

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061478.D
 Acq On : 23 Jan 2019 10:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:56:35 PM

Quant Time: Jan 24 03:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	188077	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	326961	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	292060	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	141389	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	106647	45.93	ug/l	-0.01
Spiked Amount			Recovery	=	91.86%	
35) Dibromofluoromethane	4.09	113	130240	50.48	ug/l	-0.01
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	7.53	98	358538	50.72	ug/l	-0.01
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.39	95	158661	48.04	ug/l	-0.01
Spiked Amount			Recovery	=	96.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	178979	48.432	ug/l	89
3) Chloromethane	1.09	50	147623	54.481	ug/l	99
4) Vinyl Chloride	1.13	62	126318	52.406	ug/l	99
5) Bromomethane	1.30	94	82206	52.301	ug/l	99
6) Chloroethane	1.38	64	57968	54.275	ug/l	92
7) Trichlorofluoromethane	1.48	101	221694	47.311	ug/l	95
8) Diethyl Ether	1.62	74	30669	51.080	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	113665	50.483	ug/l	96
10) Methyl Iodide	1.89	142	182580m	52.307	ug/l	
11) Tert butyl alcohol	2.55	59	22587	229.804	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	91234	54.541	ug/l	91
13) Acrolein	1.99	56	21720	256.285	ug/l	93
14) Allyl chloride	2.09	41	159655	80.697	ug/l	87
15) Acrylonitrile	2.93	53	67079	266.435	ug/l	99
16) Acetone	2.22	43	159335	342.045	ug/l	95
17) Carbon Disulfide	1.79	76	282735m	54.208	ug/l	
18) Methyl Acetate	2.33	43	41986	45.448	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	178137	47.505	ug/l	98
20) Methylene Chloride	2.17	84	84697m	53.692	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	89446	48.601	ug/l	95
22) Diisopropyl ether	2.79	45	308818	51.878	ug/l	99
23) Vinyl Acetate	3.17	43	689260	263.077	ug/l	99
24) 1,1-Dichloroethane	2.86	63	188739	50.518	ug/l	98
25) 2-Butanone	4.31	43	213988	276.236	ug/l	97
26) 2,2-Dichloropropane	3.58	77	118945	51.818	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	139040	51.179	ug/l	98
28) Bromochloromethane	3.69	49	77388	46.081	ug/l #	95
29) Tetrahydrofuran	4.05	42	75720	227.004	ug/l	98
30) Chloroform	3.84	83	261958	51.954	ug/l	97
31) Cyclohexane	3.67	56	185585	49.728	ug/l	91
32) 1,1,1-Trichloroethane	4.07	97	184973	50.032	ug/l	93
36) 1,1-Dichloropropene	4.26	75	192506	50.780	ug/l	98
37) Ethyl Acetate	4.09	43	67428	44.496	ug/l	93
38) Carbon Tetrachloride	3.97	117	173616	52.386	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215846	52.539	ug/l	98
40) Benzene	4.61	78	417433	49.485	ug/l	100
41) Methacrylonitrile	4.72	41	37690	46.742	ug/l	93
42) 1,2-Dichloroethane	4.92	62	140081	46.601	ug/l	99
43) Isopropyl Acetate	6.94	43	92070	48.410	ug/l #	90
44) Trichloroethene	5.48	130	136008	52.559	ug/l	99
45) 1,2-Dichloropropane	6.21	63	114593	51.760	ug/l	95
46) Dibromomethane	6.06	93	70968	48.208	ug/l	90
47) Bromodichloromethane	6.36	83	184313	50.603	ug/l	98
48) Methyl methacrylate	6.69	41	61334	48.025	ug/l #	90
49) 1,4-Dioxane	6.68	88	9014	1011.951	ug/l #	76
51) 4-Methyl-2-Pentanone	8.23	43	318503	227.797	ug/l	99
52) Toluene	7.60	92	281070	50.597	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	138899	48.025	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	203842	56.385	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	79818	50.598	ug/l	95
56) Ethyl methacrylate	8.60	69	85734	46.714	ug/l	96
57) 1,3-Dichloropropane	8.83	76	142514	48.199	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	42468	223.896	ug/l	93
59) 2-Hexanone	9.47	43	281188	288.402	ug/l	95
60) Dibromochloromethane	8.70	129	116029	50.312	ug/l	95
61) 1,2-Dibromoethane	8.96	107	84030	46.531	ug/l	87
64) Tetrachloroethene	8.13	164	112763	51.342	ug/l	98
65) Chlorobenzene	9.78	112	300737	50.636	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	124881	52.782	ug/l	97
67) Ethyl Benzene	9.88	91	575111	53.000	ug/l	99
68) m/p-Xylenes	10.11	106	399243	102.295	ug/l	98
69) o-Xylene	10.69	106	229681	54.298	ug/l	96
70) Styrene	10.77	104	294040	50.783	ug/l	99
71) Bromoform	10.76	173	54152	50.940	ug/l #	95
73) Isopropylbenzene	11.10	105	642819	55.900	ug/l	99
74) N-amyl acetate	11.36	43	146186	53.761	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	105732	51.612	ug/l	97
76) 1,2,3-Trichloropropane	11.77	75	76278	51.819	ug/l	97
77) Bromobenzene	11.48	156	132333	54.490	ug/l	91
78) n-propylbenzene	11.58	91	761772	55.089	ug/l	98
79) 2-Chlorotoluene	11.70	91	433782	54.367	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	504675	54.382	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	32764m	51.202	ug/l	
82) 4-Chlorotoluene	11.88	91	418009	51.918	ug/l	99
83) tert-Butylbenzene	12.12	119	532000	55.386	ug/l	95
84) 1,2,4-Trimethylbenzene	12.19	105	499539	52.258	ug/l	97
85) sec-Butylbenzene	12.30	105	724841	55.568	ug/l	99
86) p-Isopropyltoluene	12.44	119	572868	53.500	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	237149	49.016	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	240897	52.492	ug/l	96
89) n-Butylbenzene	12.83	91	587824	53.230	ug/l	98
90) Hexachloroethane	12.90	117	145524	57.654	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	231860	51.036	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18769	51.655	ug/l	79

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QLast Update : Wed Jan 16 04:51:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	164057	51.549	ug/l	97
94) Hexachlorobutadiene	14.18	225	112163	56.796	ug/l	98
95) Naphthalene	14.44	128	293113	48.476	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	147954	50.221	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

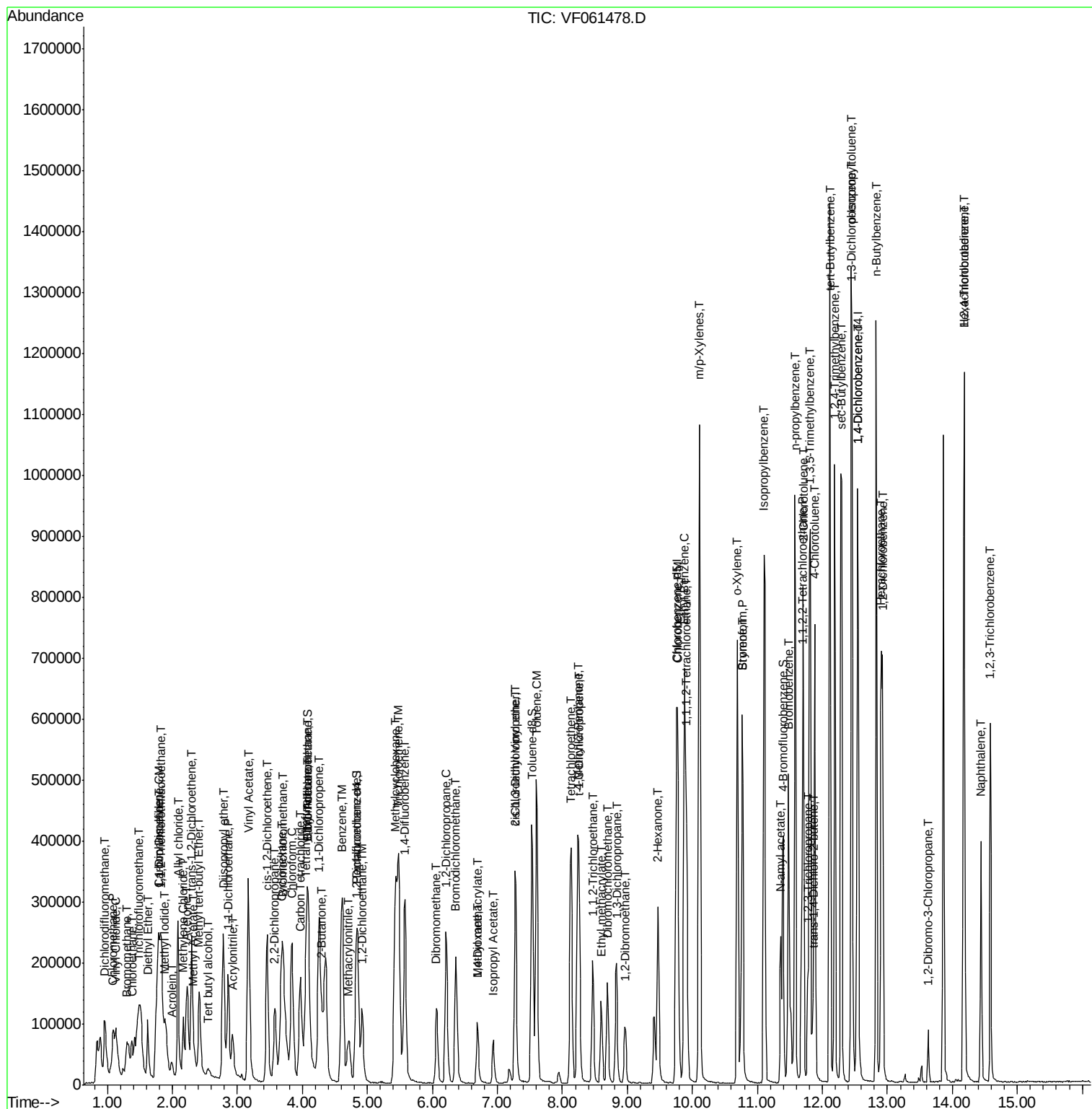
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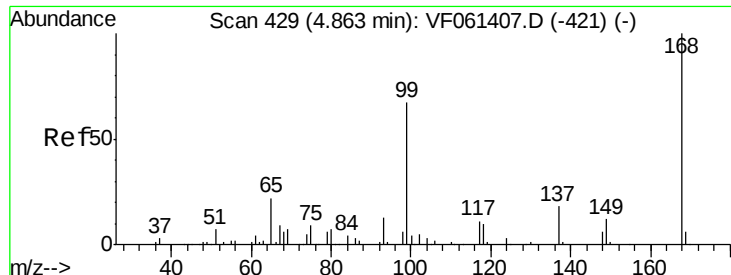
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188077

Ion Ratio Lower Upper

168 100

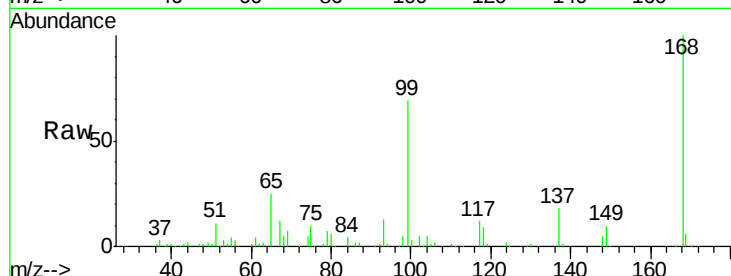
99 68.6 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

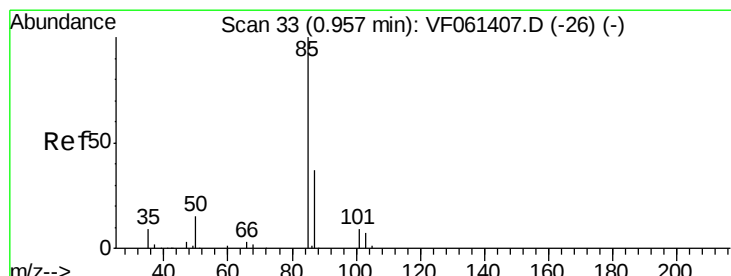
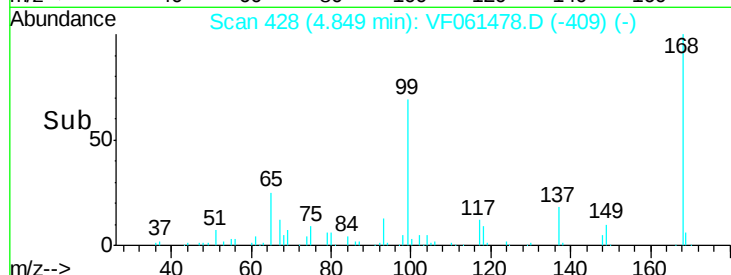
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 48.432 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061478.D

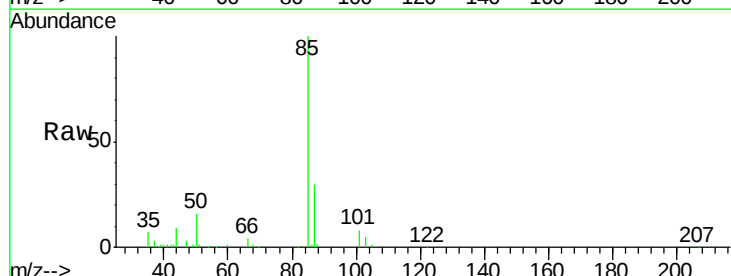
Acq: 23 Jan 2019 10:29

Tgt Ion: 85 Resp: 178979

Ion Ratio Lower Upper

85 100

87 30.2 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

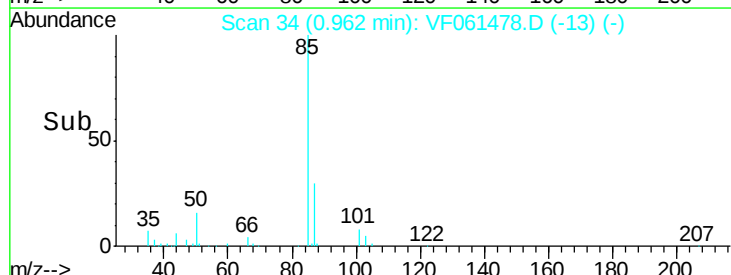
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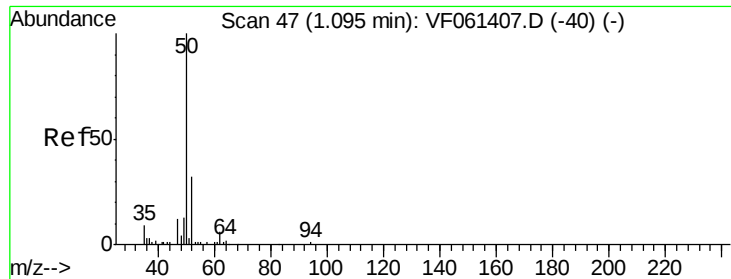
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 54.481 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 147623

Ion Ratio Lower Upper

50 100

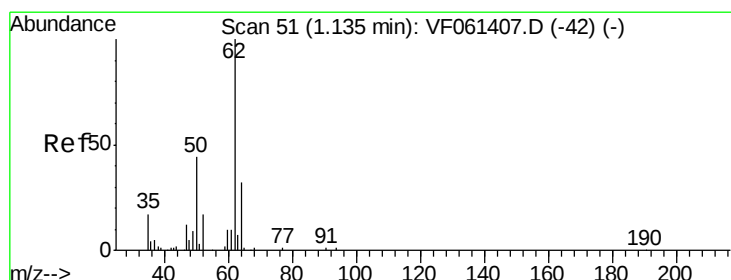
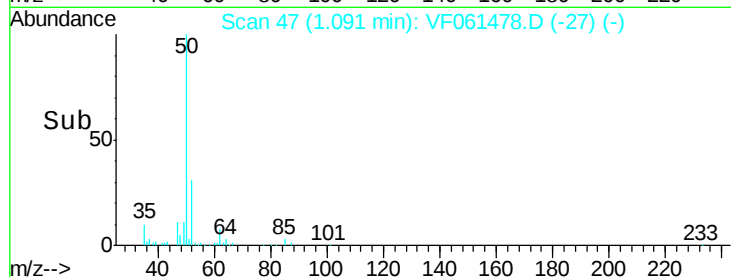
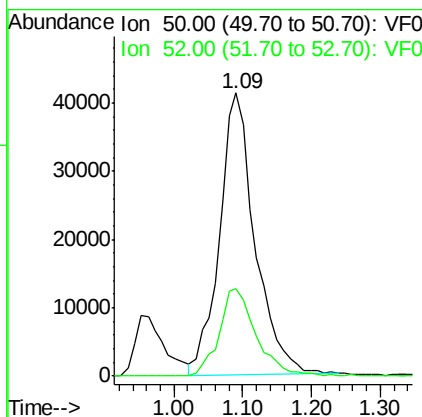
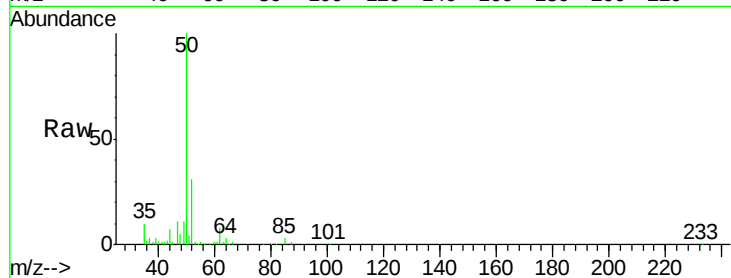
52 31.1 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.406 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061478.D

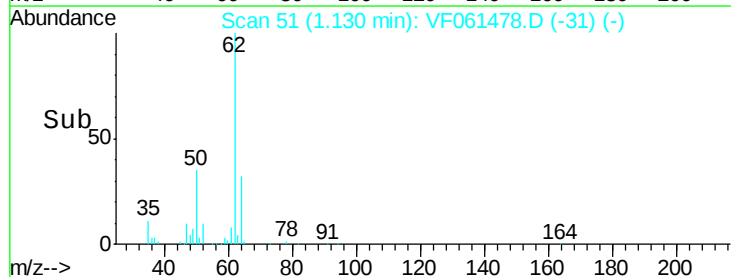
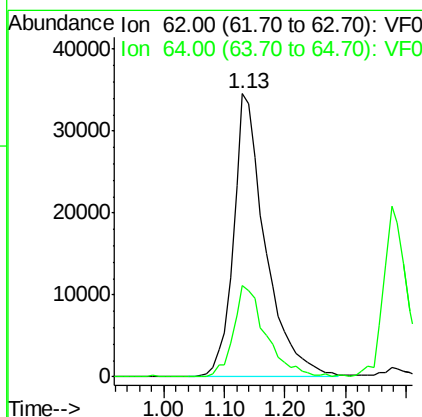
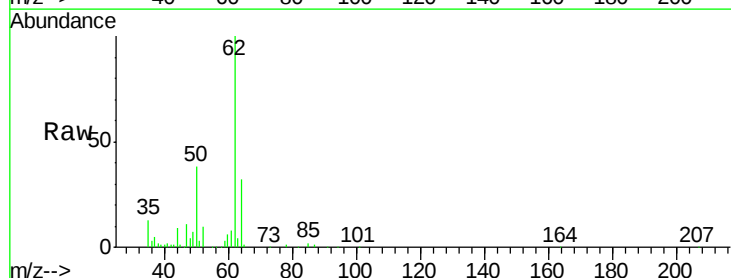
Acq: 23 Jan 2019 10:29

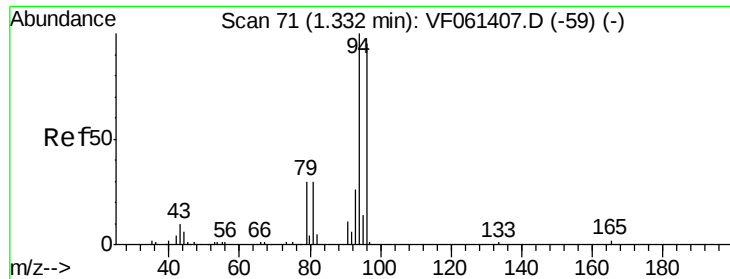
Tgt Ion: 62 Resp: 126318

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 52.301 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 82206

Ion Ratio Lower Upper

94 100

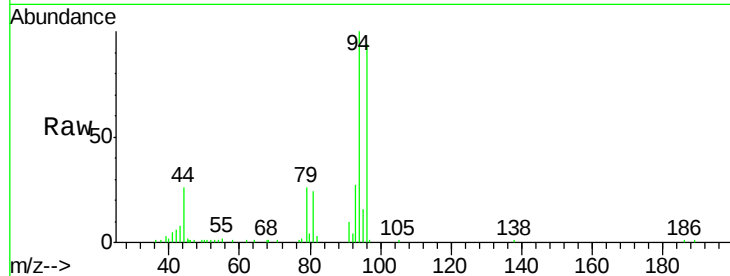
96 93.9 76.0 114.0

Manual Integrations

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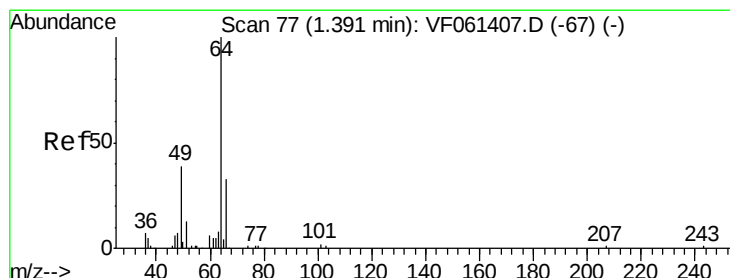
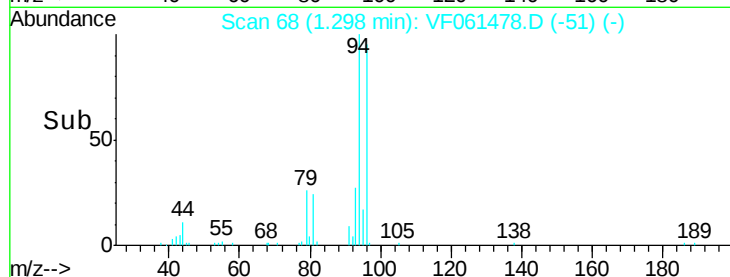
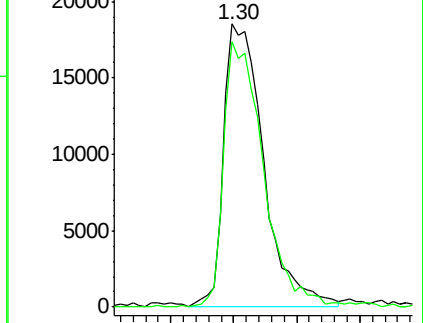
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 54.275 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061478.D

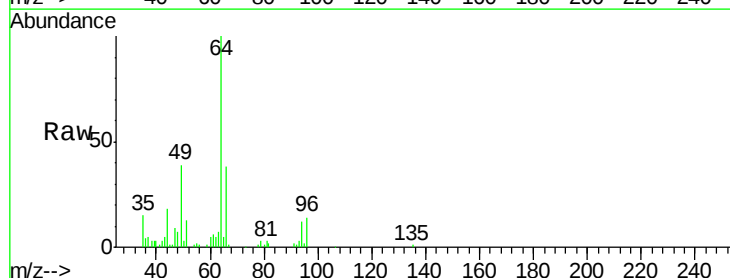
Acq: 23 Jan 2019 10:29

Tgt Ion: 64 Resp: 57968

Ion Ratio Lower Upper

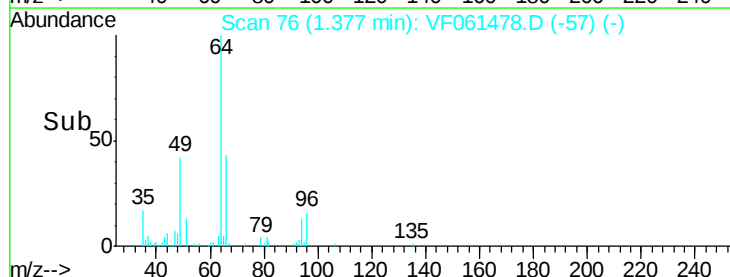
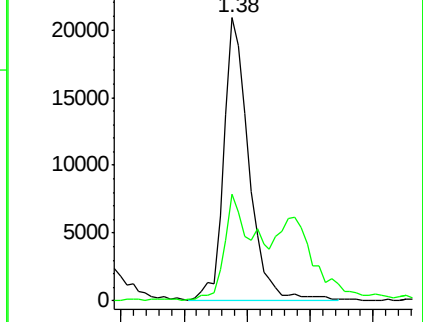
64 100

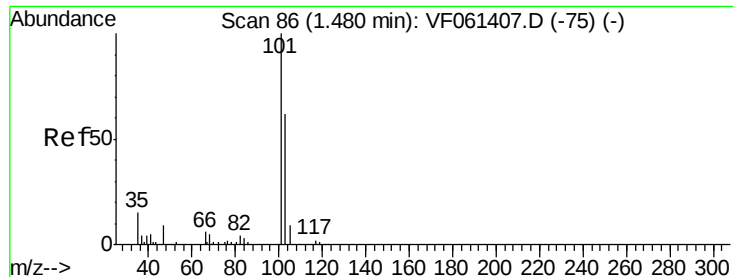
66 37.9 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

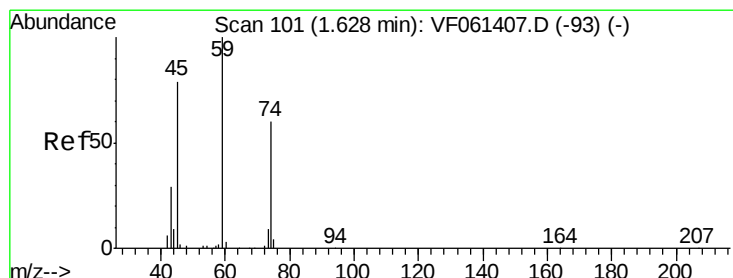
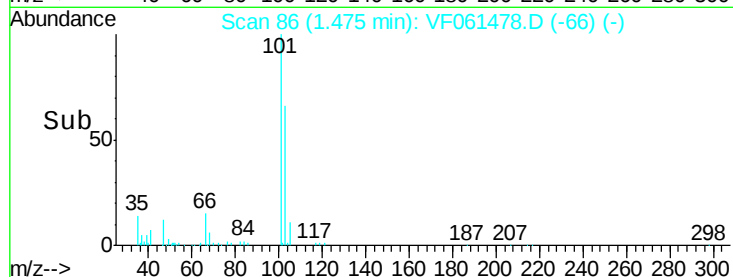
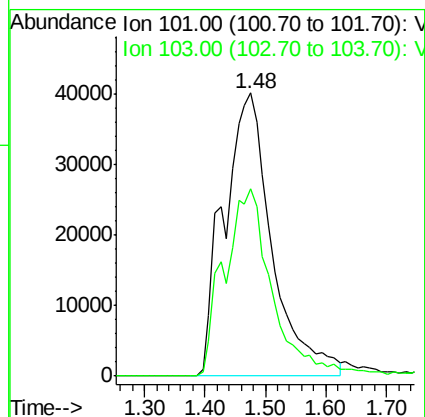
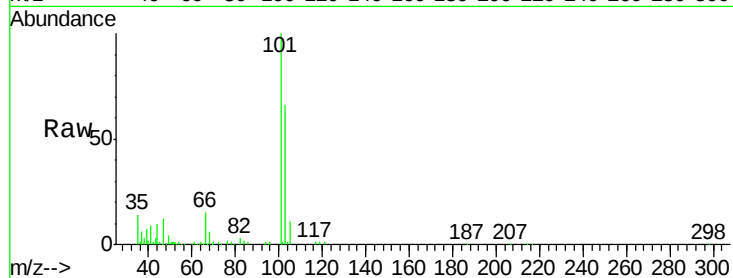
Trichlorofluoromethane
 Concen: 47.311 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
221694	101	100		
	103	66.2	49.7	74.5

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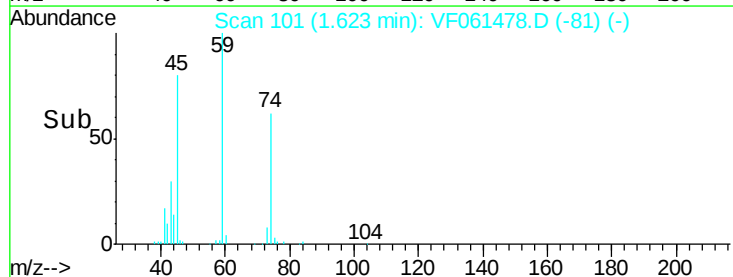
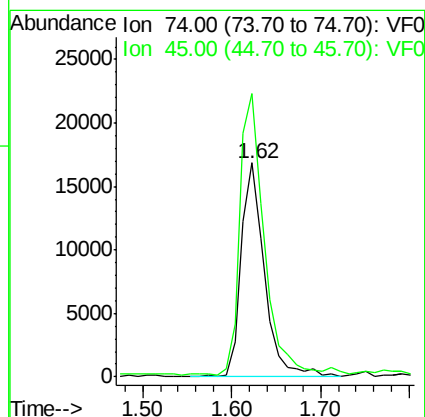
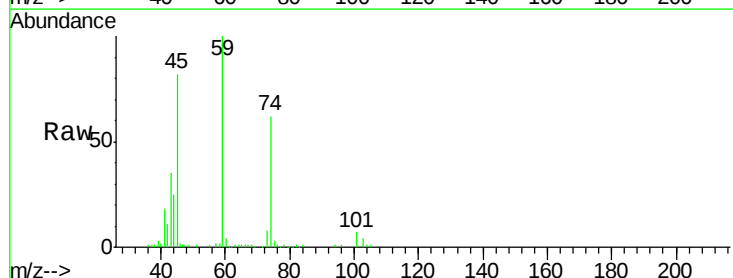
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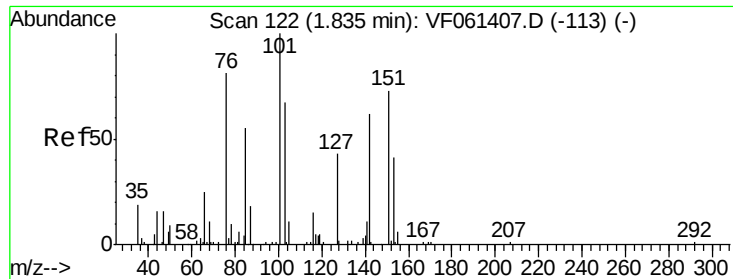


#8

Diethyl Ether
 Concen: 51.080 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
30669	74	100		
	45	132.1	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.483 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

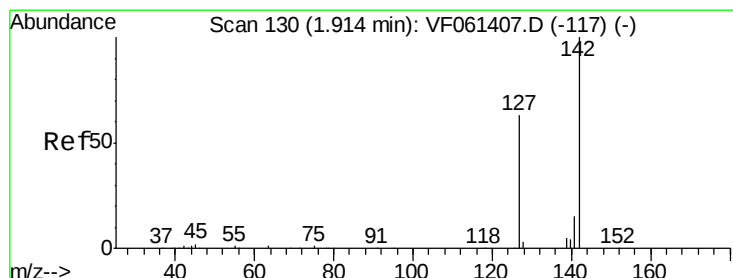
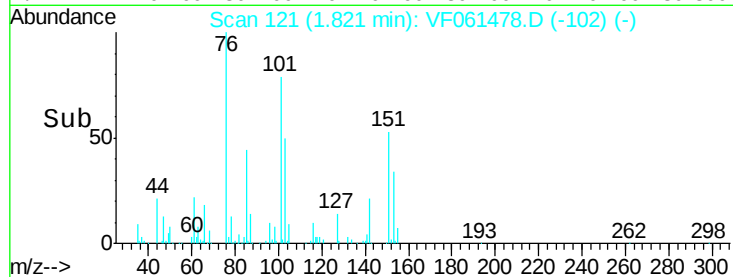
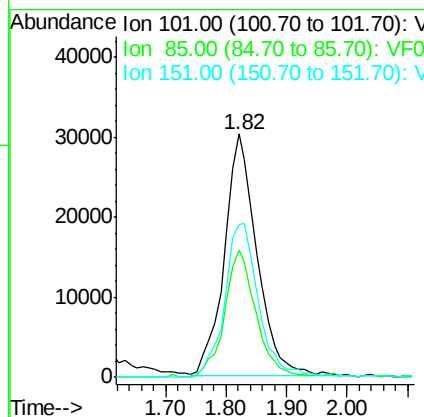
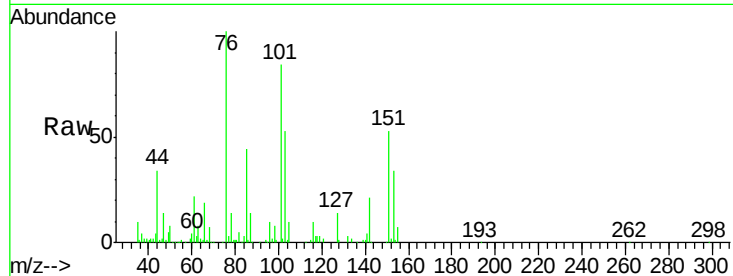
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	113665
Ion Ratio	Lower	Upper	
101	100		
85	52.3	41.9	62.9
151	62.6	55.1	82.7

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#10

Methyl Iodide

Concen: 52.307 ug/l m

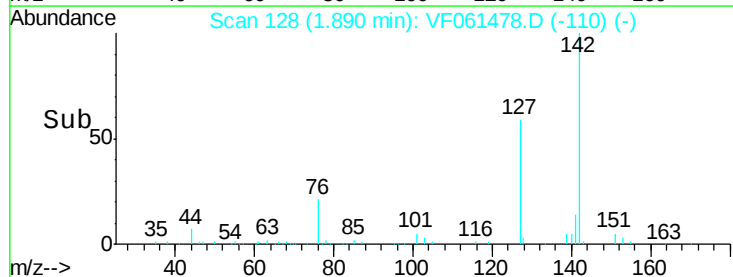
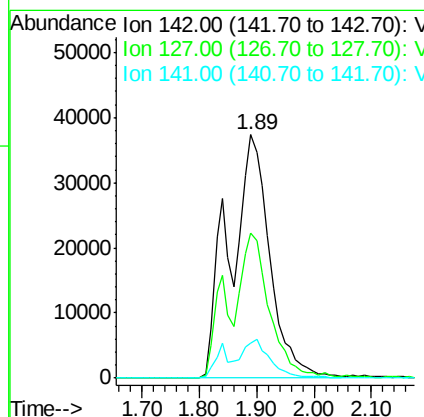
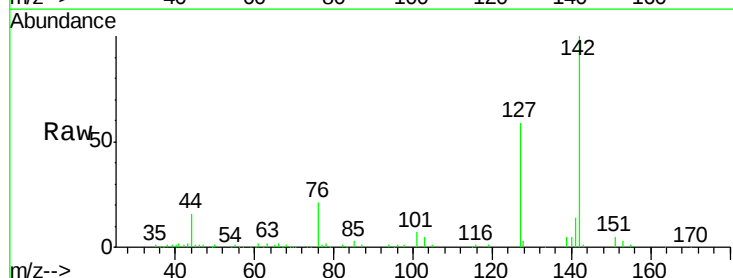
RT: 1.89 min Scan# 128

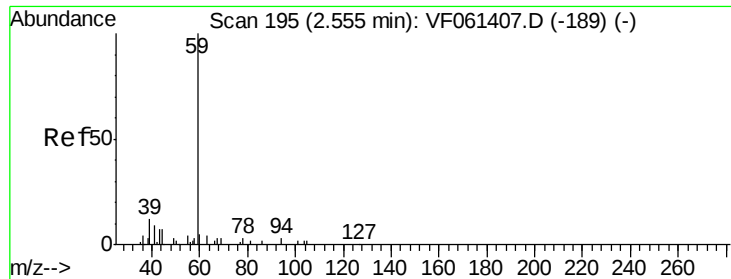
Delta R.T. -0.02 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	142	Resp:	182580
Ion Ratio	Lower	Upper	
142	100		
127	59.4	50.7	76.1
141	14.4	11.8	17.6





#11

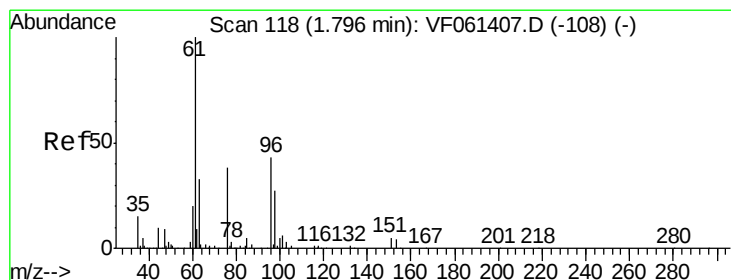
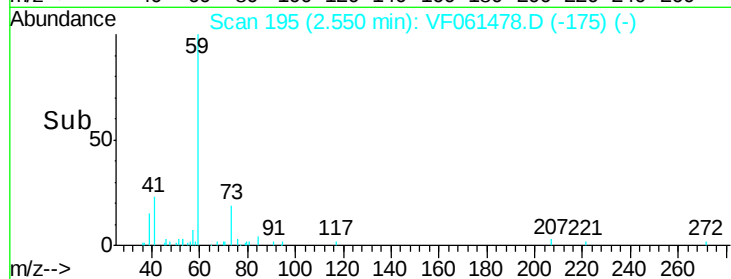
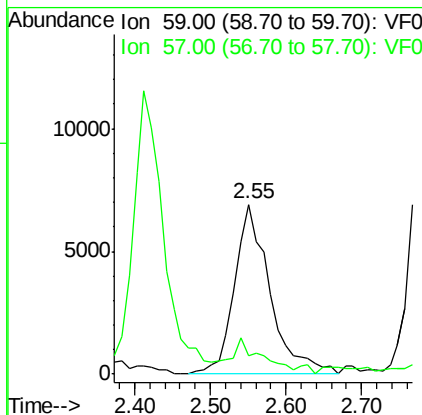
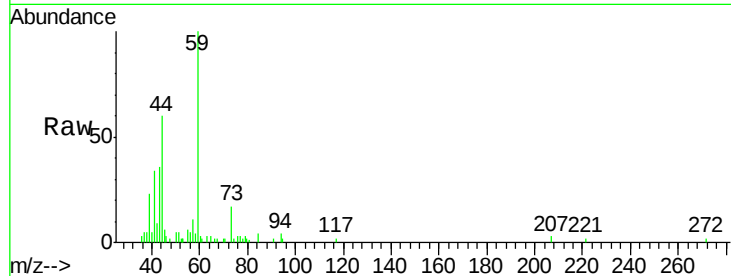
Tert butyl alcohol
Concen: 229.804 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	11.9	17.9#

Manual Integrations
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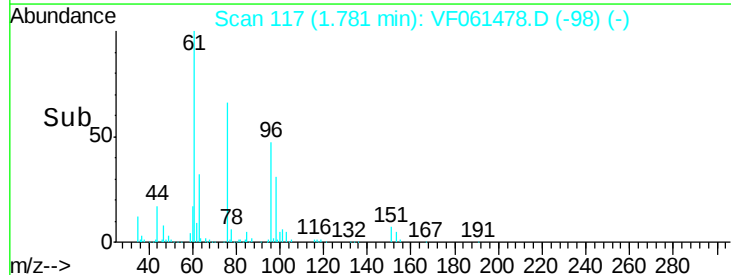
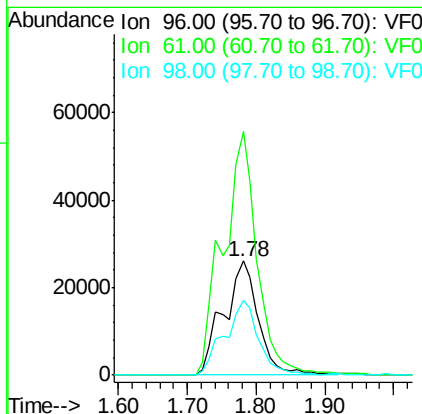
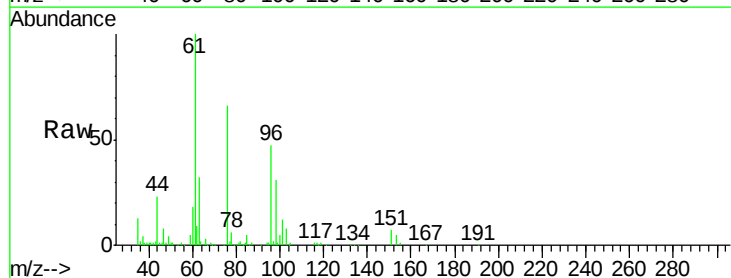
MMDadoda
1/24/2019 12:56:35 PM

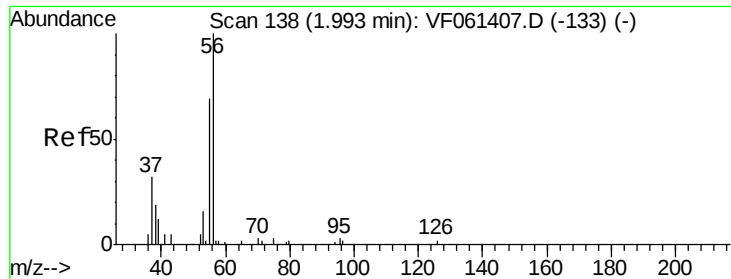


#12

1,1-Dichloroethene
Concen: 54.541 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	214.1	186.9	280.3
98	65.4	53.0	79.4





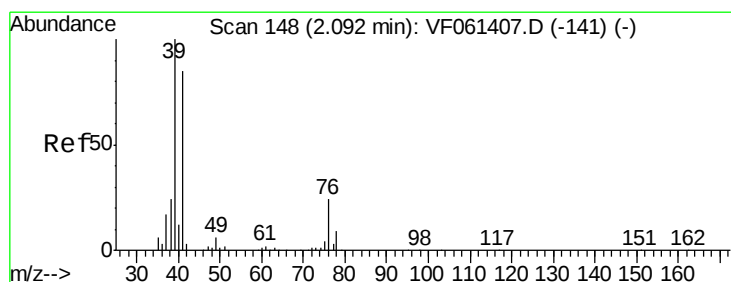
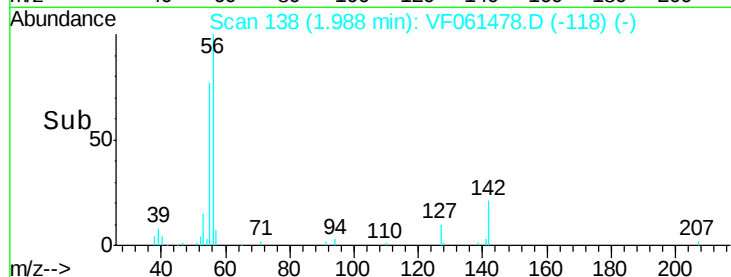
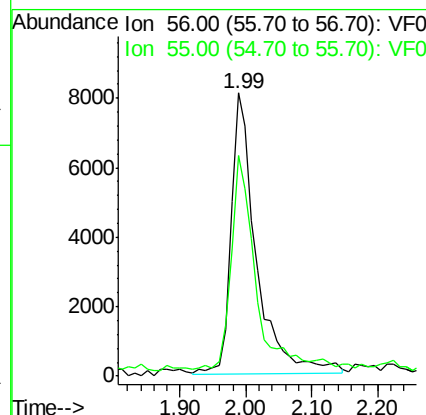
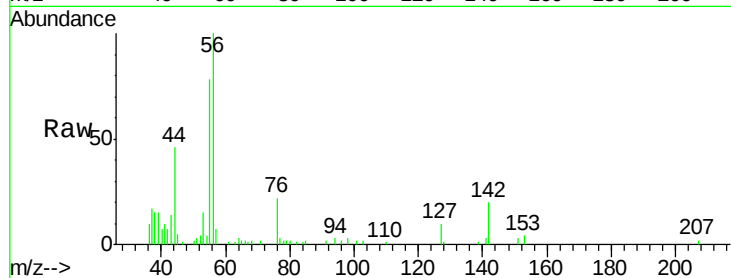
#13
Acrolein
Concen: 256.285 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	21720
Ion Ratio	100	Lower	Upper
56	100		
55	77.8	57.5	86.3

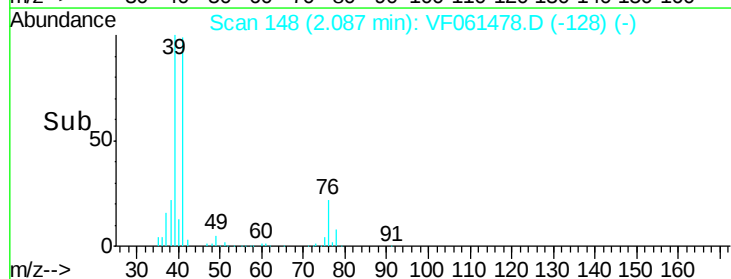
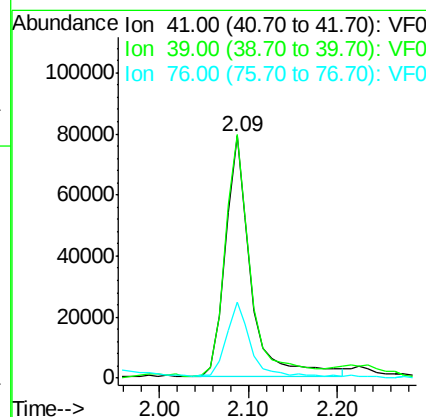
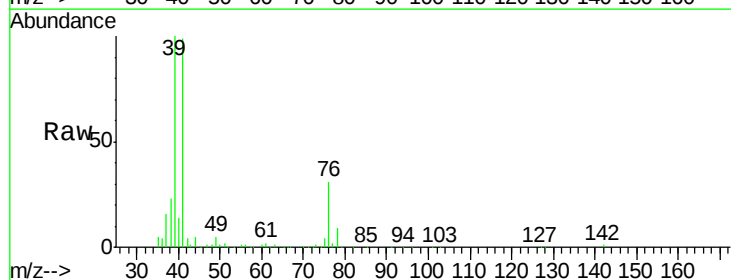
Manual Integrations
APPROVED

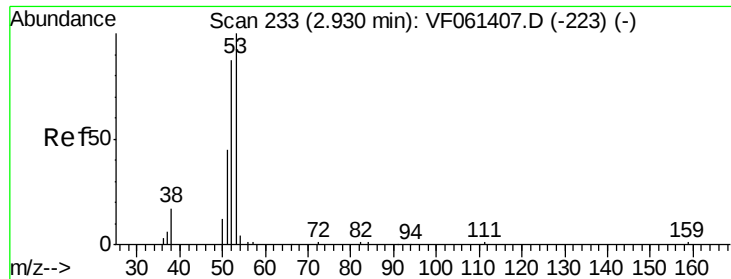
MMDadoda
1/24/2019 12:56:35 PM



#14
Allyl chloride
Concen: 80.697 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	41	Resp	159655
Ion Ratio	100	Lower	Upper
41	100		
39	100.7	94.6	141.8
76	31.5	25.9	38.9





#15

Acrylonitrile

Concen: 266.435 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

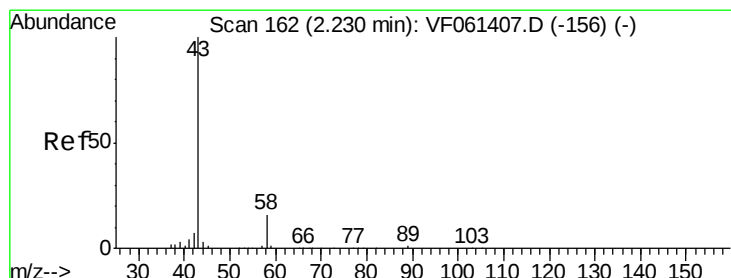
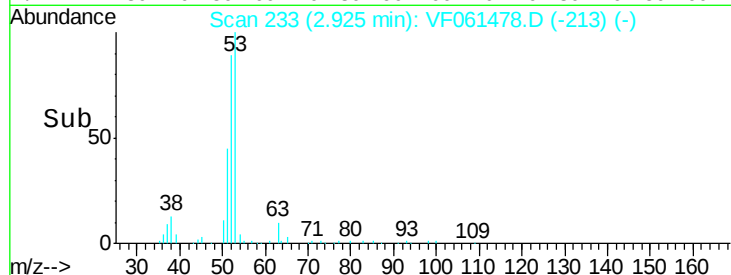
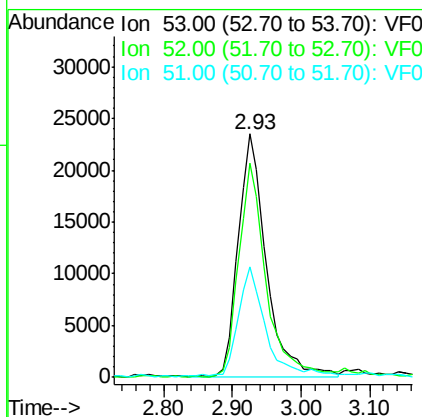
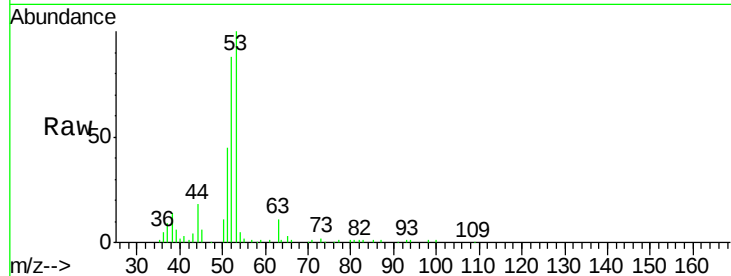
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	67079
Ion	Ratio	Lower	Upper
53	100		
52	88.0	69.6	104.4
51	45.4	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 342.045 ug/l

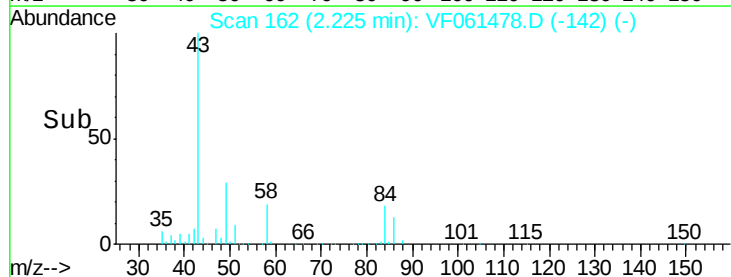
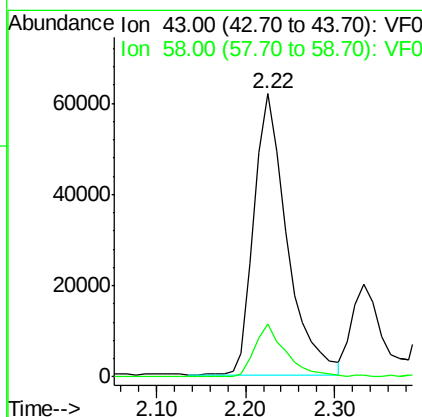
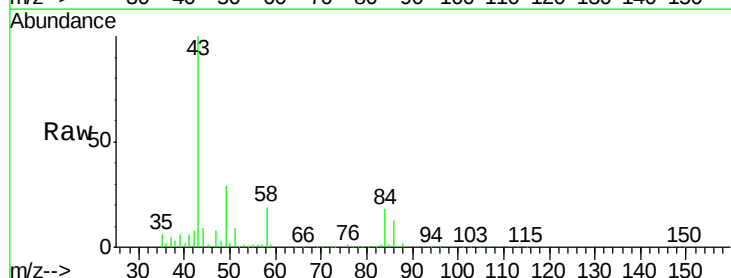
RT: 2.22 min Scan# 162

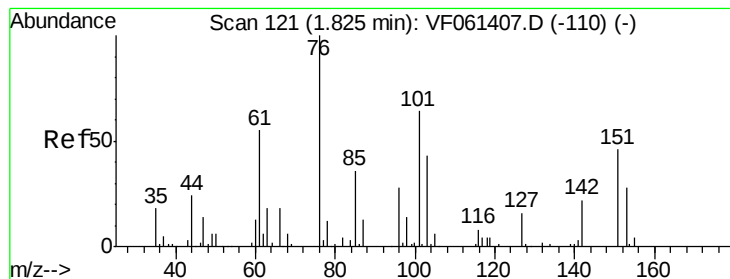
Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	43	Resp:	159335
Ion	Ratio	Lower	Upper
43	100		
58	18.6	13.3	19.9





#17

Carbon Disulfide

Concen: 54.208 ug/l m

RT: 1.79 min Scan# 118

Delta R.T. -0.03 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 282735

Ion Ratio Lower Upper

76 100

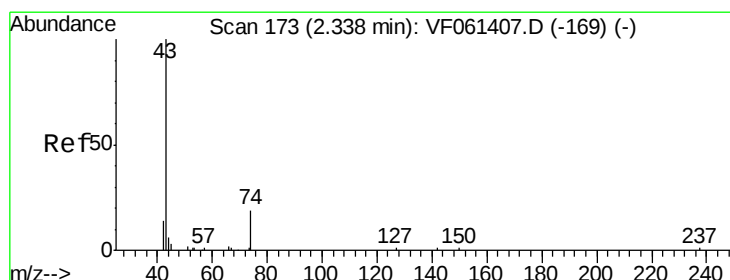
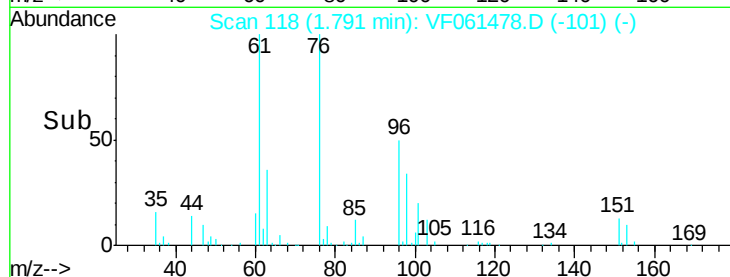
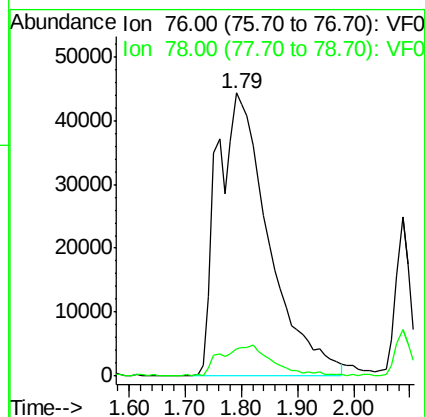
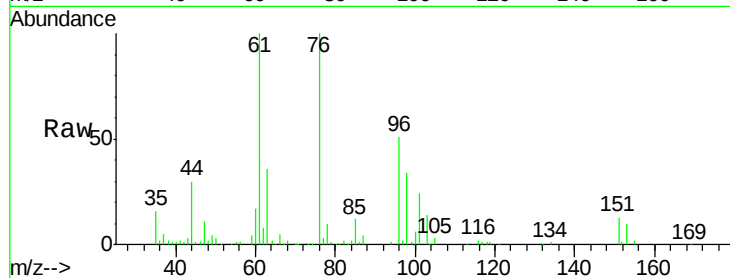
78 9.5 9.6 14.4#

Manual Integrations

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1/24/2019 12:56:35 PM



#18

Methyl Acetate

Concen: 45.448 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF061478.D

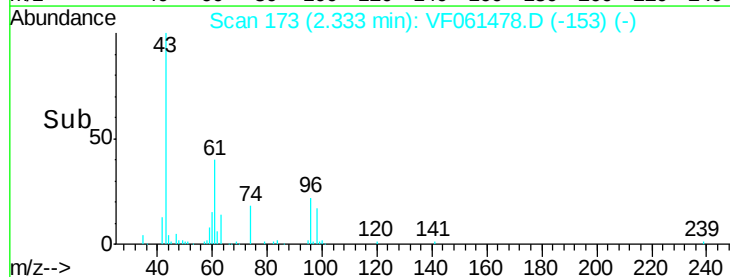
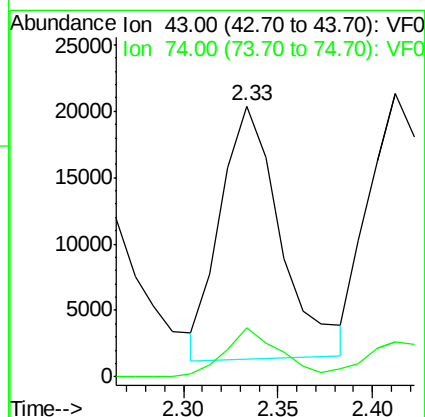
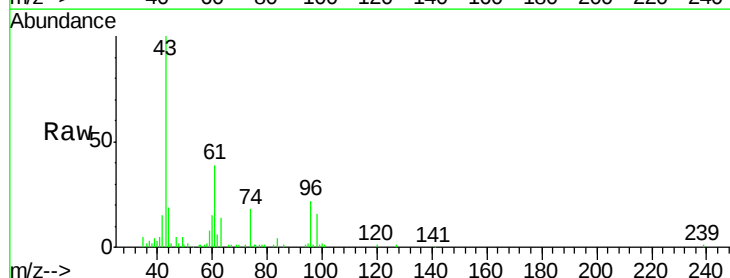
Acq: 23 Jan 2019 10:29

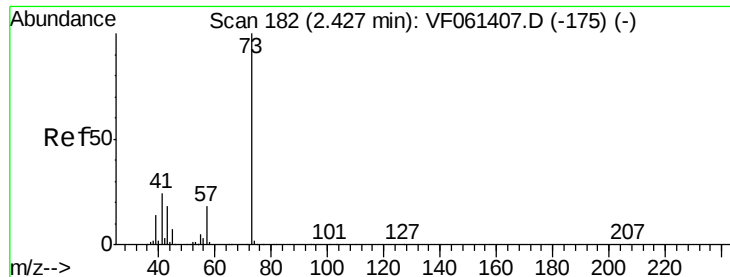
Tgt Ion: 43 Resp: 41986

Ion Ratio Lower Upper

43 100

74 17.9 13.4 20.0





#19

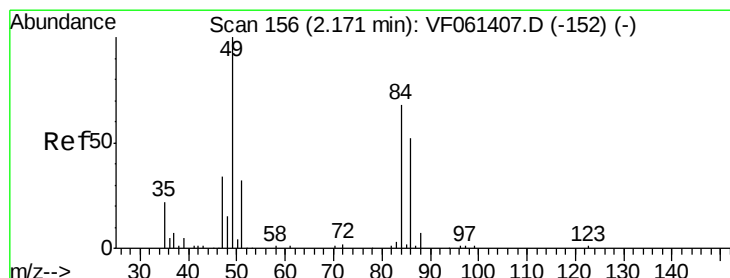
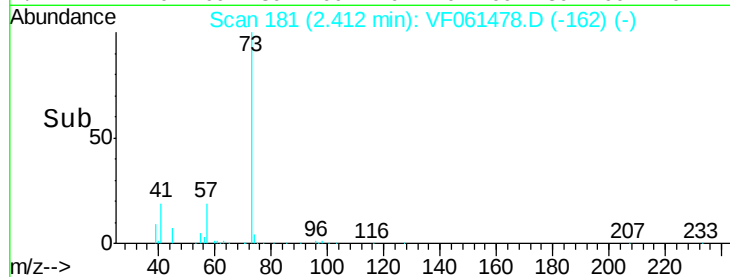
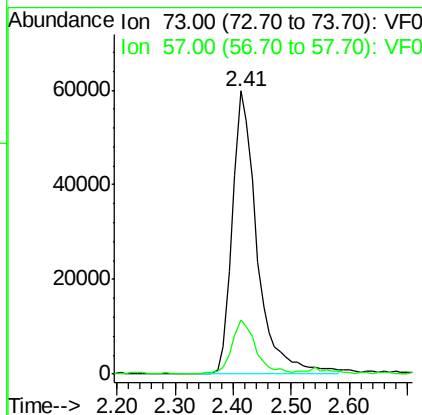
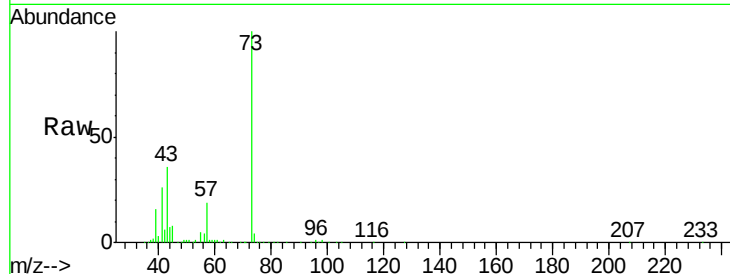
Methyl tert-butyl Ether
 Concen: 47.505 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	14.8	22.2

Manual Integrations
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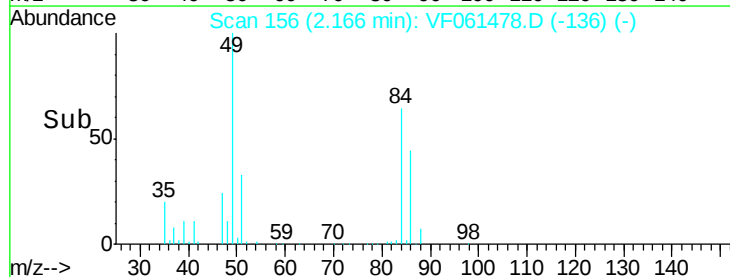
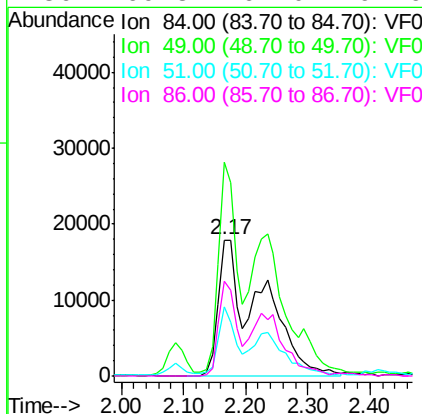
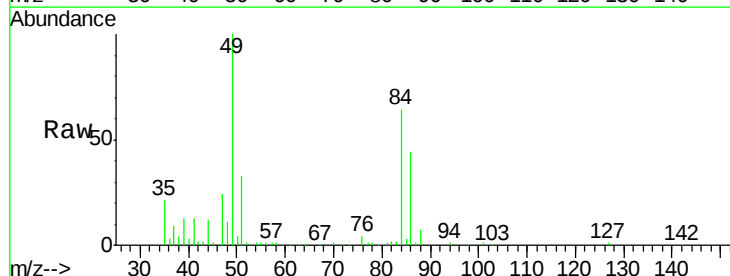
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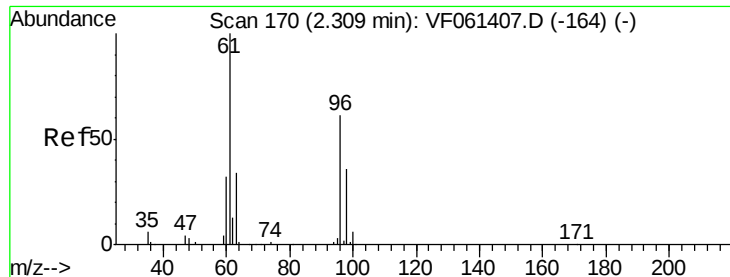


#20

Methylene Chloride
 Concen: 53.692 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.0	120.0	180.0
51	51.2	38.6	58.0
86	69.8	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 48.601 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

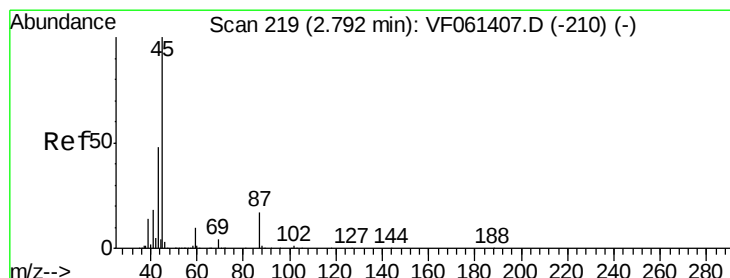
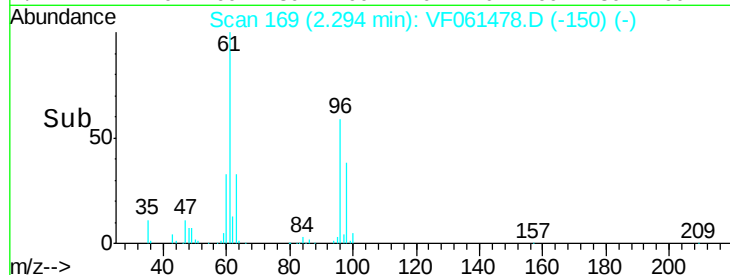
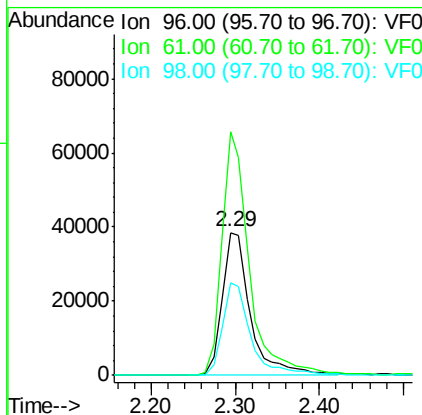
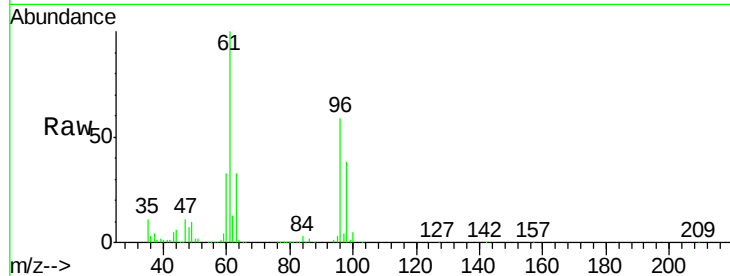
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	89446
Ion	Ratio	Lower	Upper
96	100		
61	170.1	131.8	197.8
98	65.1	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.878 ug/l

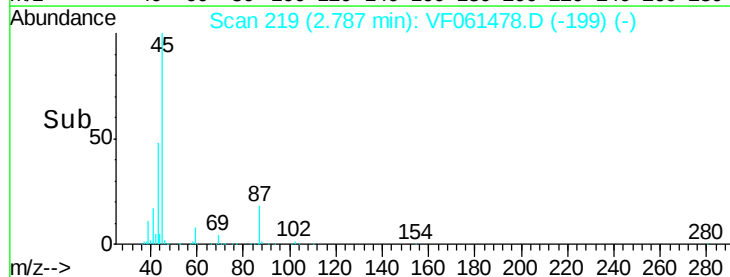
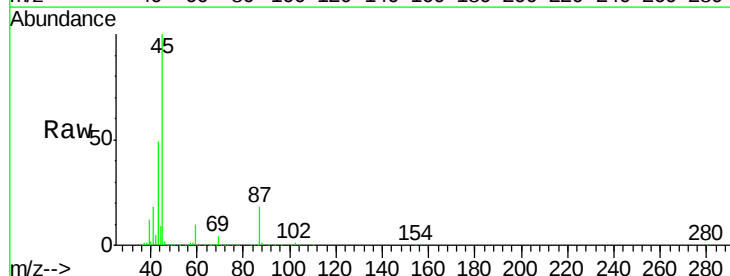
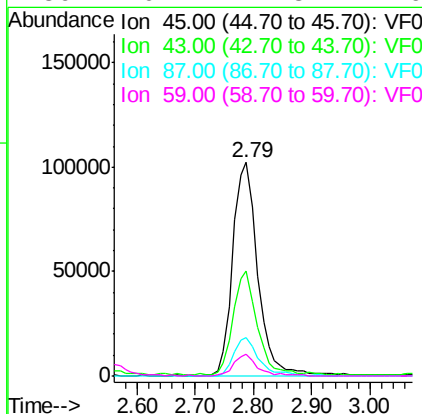
RT: 2.79 min Scan# 219

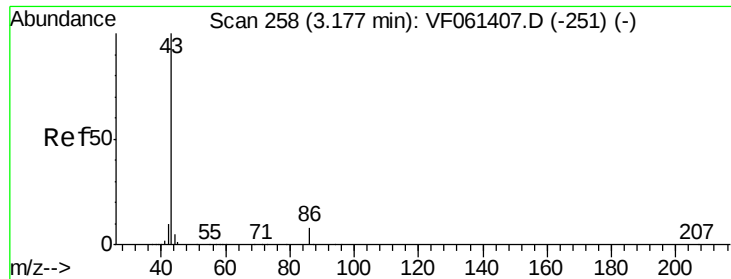
Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	45	Resp:	308818
Ion	Ratio	Lower	Upper
45	100		
43	49.4	39.0	58.6
87	18.0	13.9	20.9
59	10.1	7.8	11.6





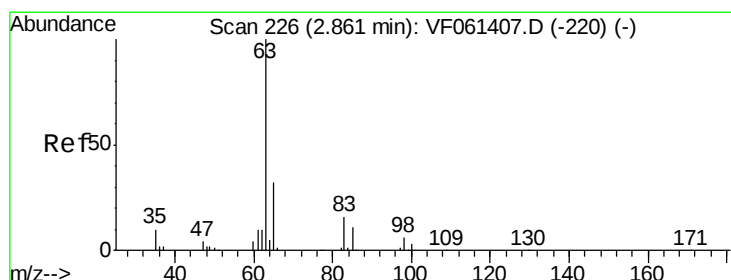
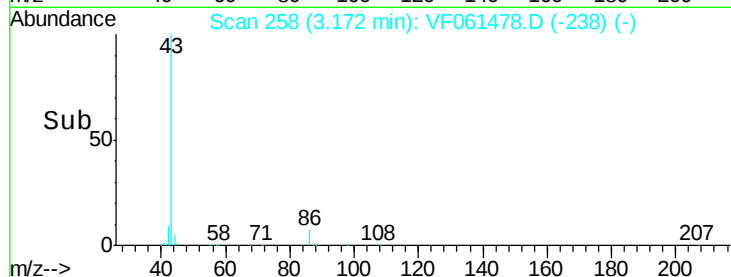
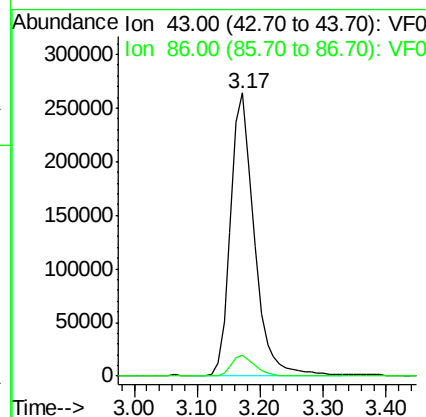
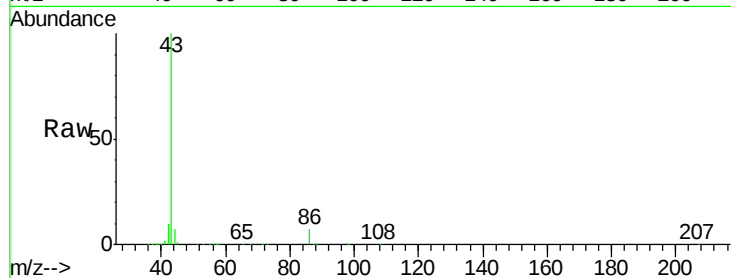
#23
 Vinyl Acetate
 Concen: 263.077 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	689260
Ion Ratio	100	Lower	Upper
43	100		
86	7.4	6.2	9.4

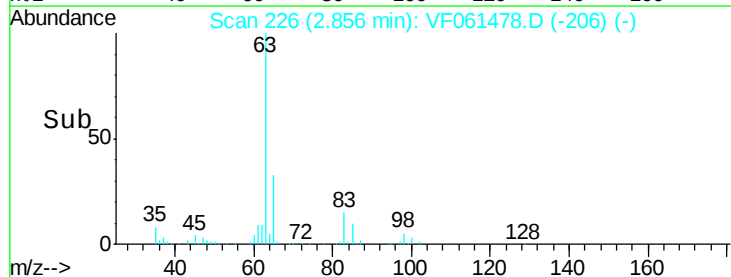
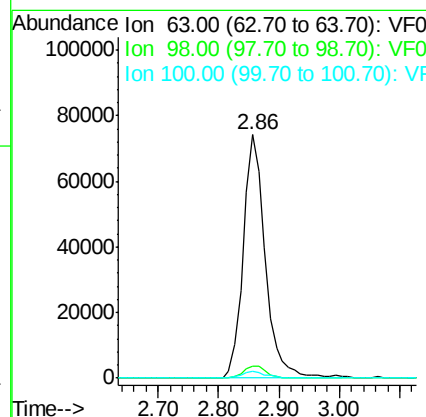
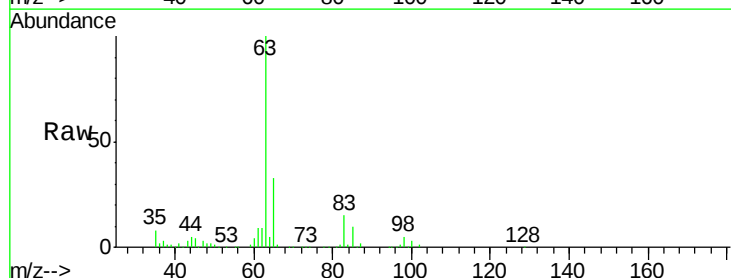
Manual Integrations
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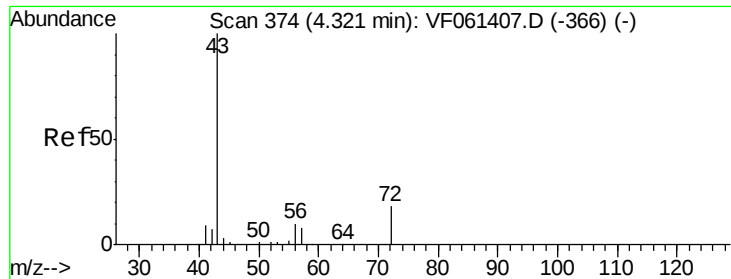
MMDadoda
 1/24/2019 12:56:35 PM



#24
 1,1-Dichloroethane
 Concen: 50.518 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	63	Resp	188739
Ion Ratio	100	Lower	Upper
63	100		
98	5.0	2.9	8.8
100	2.7	1.6	4.8





#25

2-Butanone

Concen: 276.236 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 213988

Ion Ratio Lower Upper

43 100

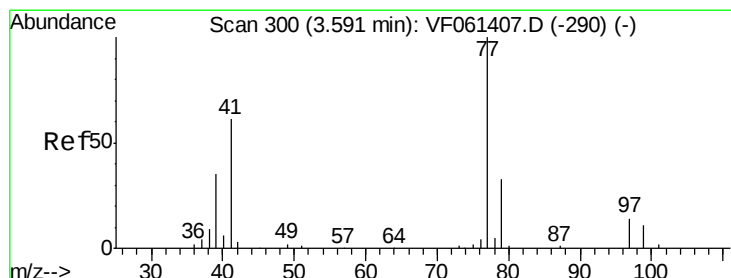
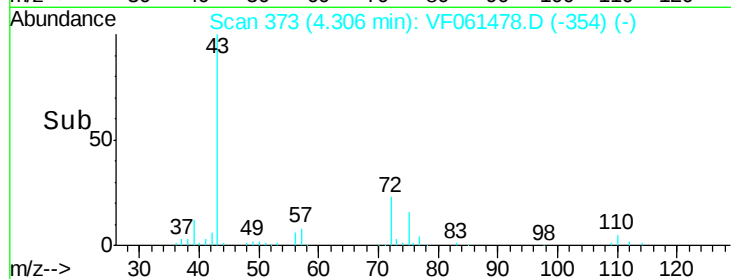
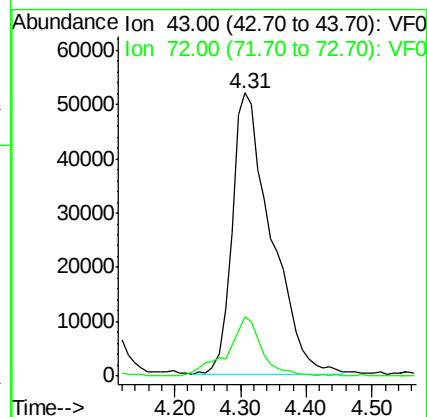
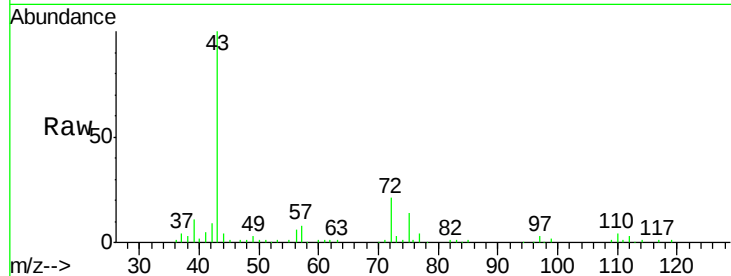
72 21.1 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.818 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061478.D

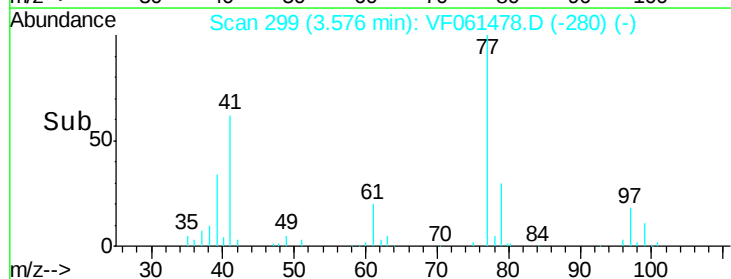
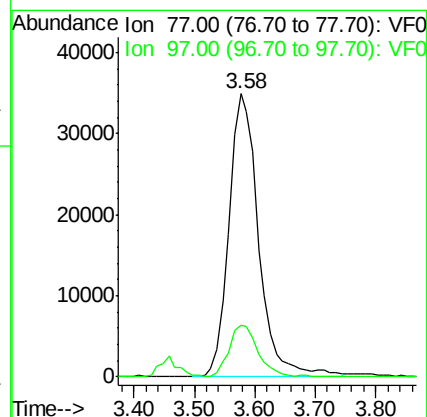
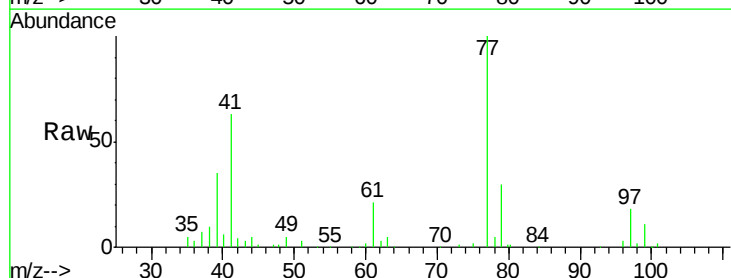
Acq: 23 Jan 2019 10:29

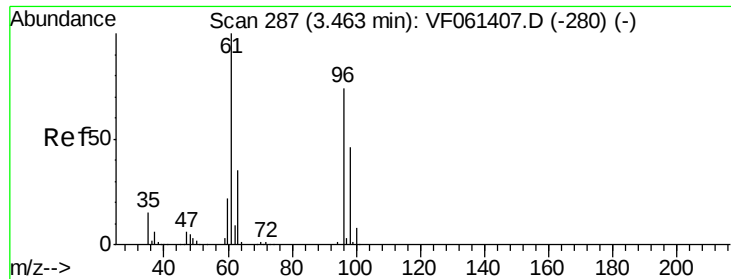
Tgt Ion: 77 Resp: 118945

Ion Ratio Lower Upper

77 100

97 18.3 8.5 25.5





#27

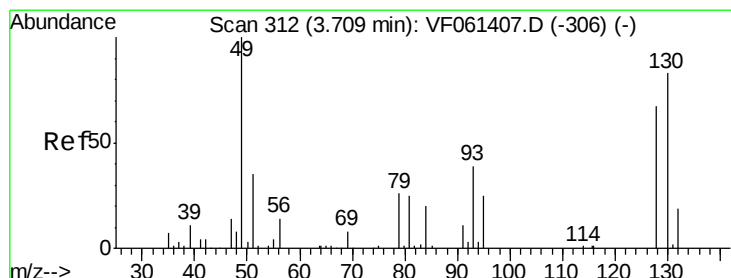
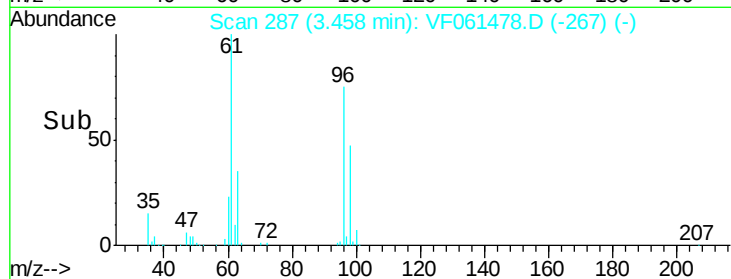
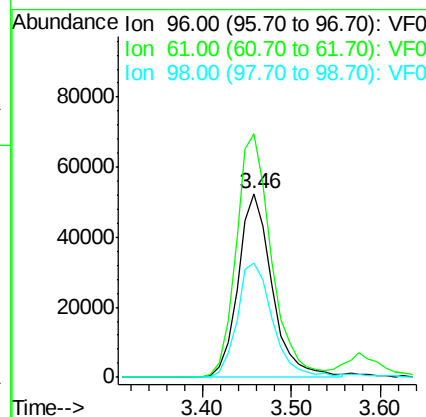
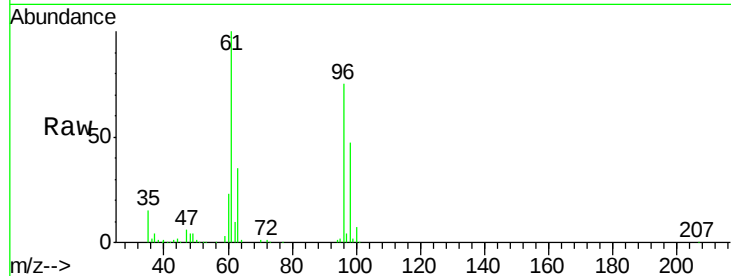
cis-1,2-Dichloroethene
Concen: 51.179 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		139040		
61	132.7	0.0	270.2		
98	62.7	0.0	124.0		

Manual Integrations
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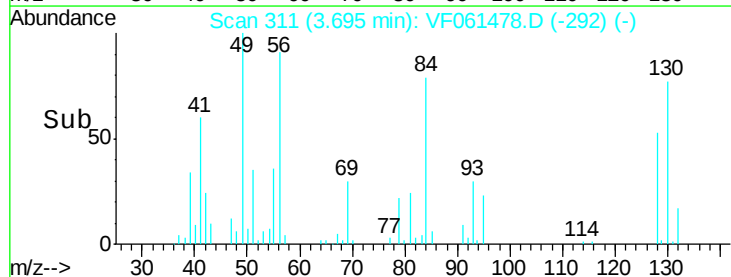
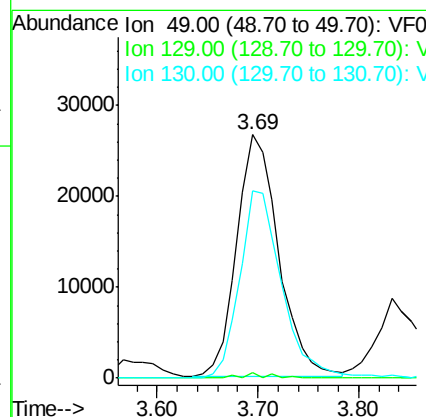
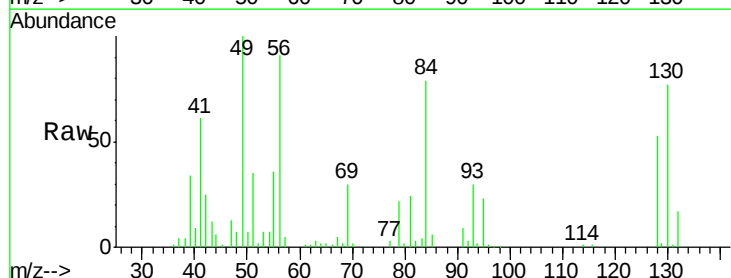
MMDadoda
1/24/2019 12:56:35 PM

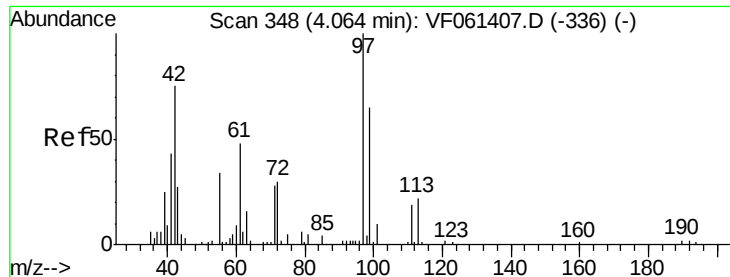


#28

Bromochloromethane
Concen: 46.081 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		77388		
129	2.0	0.0	0.0#		
130	77.1	65.4	98.2		





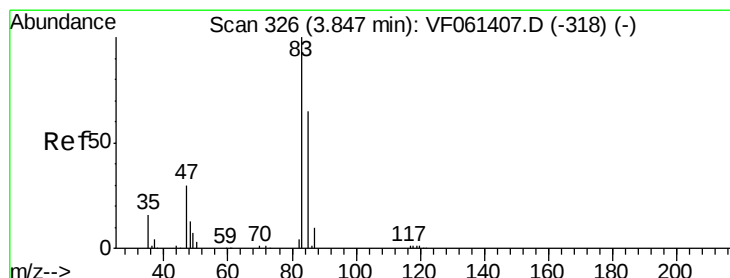
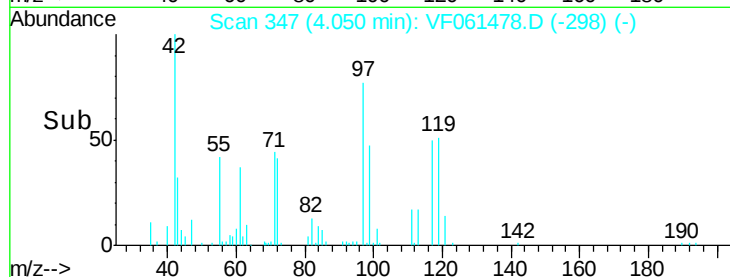
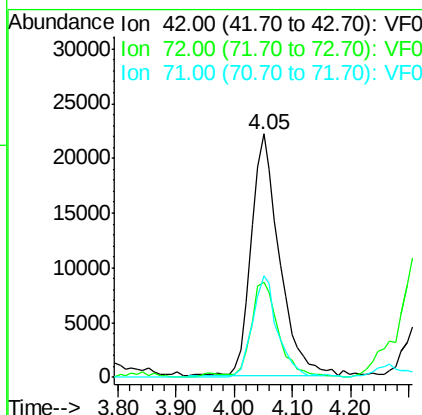
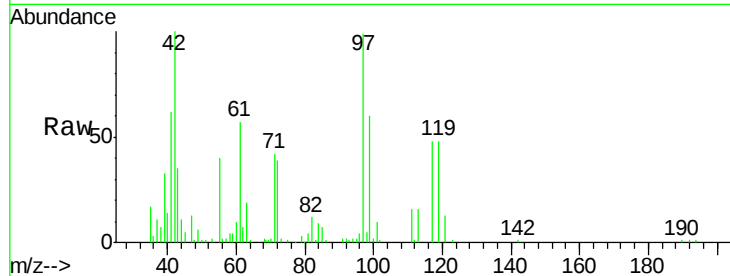
#29
Tetrahydrofuran
Concen: 227.004 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	75720		
72	38.1		28.9	43.3
71	37.6		29.6	44.4

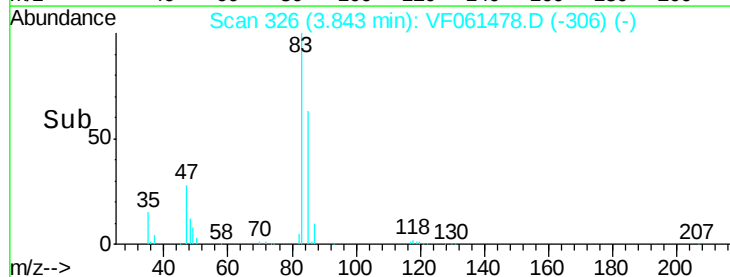
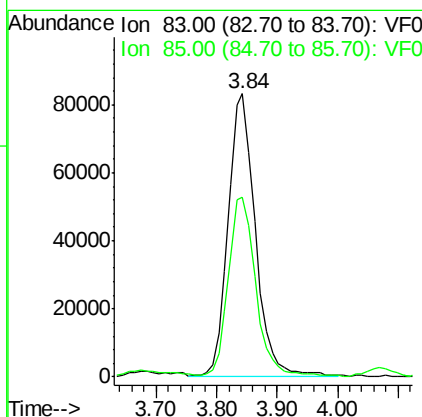
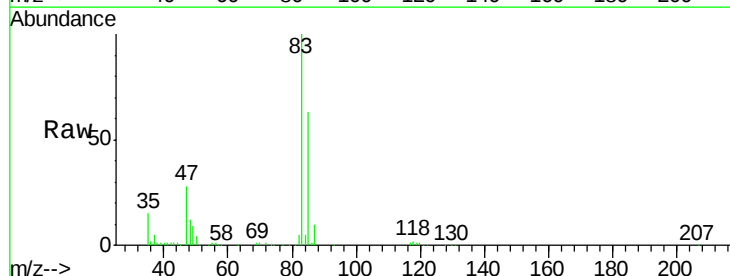
Manual Integrations
APPROVED

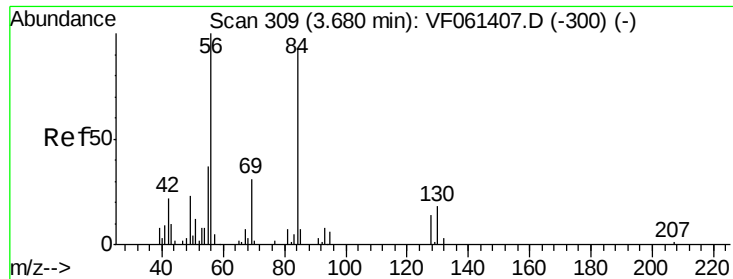
MMDadoda
1/24/2019 12:56:35 PM



#30
Chloroform
Concen: 51.954 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	261958		
85	63.3		52.7	79.1





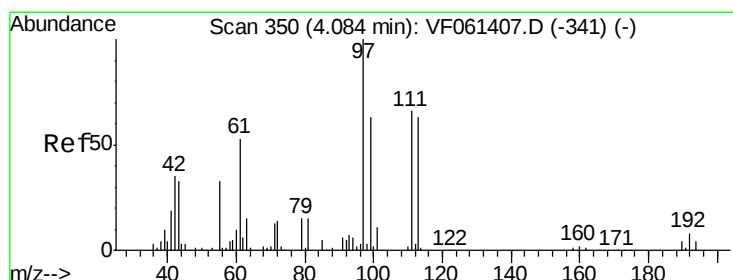
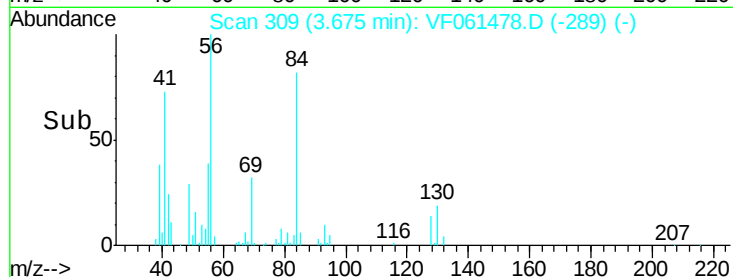
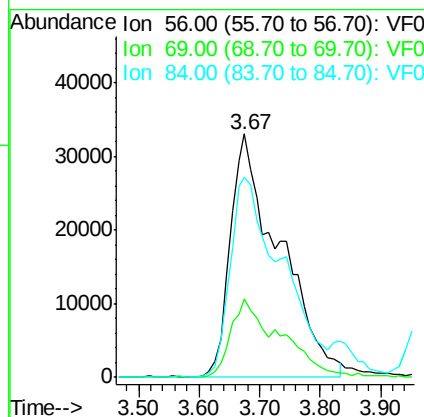
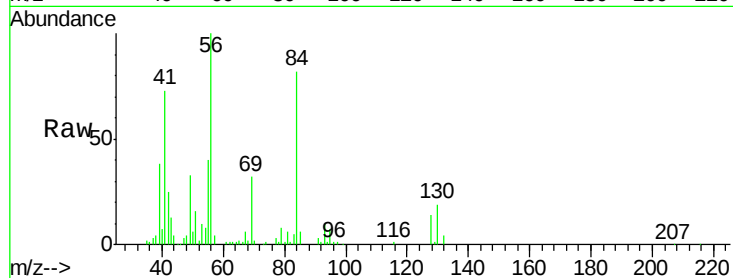
#31
Cyclohexane
Concen: 49.728 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.6	36.8
84	82.1	74.2	111.2

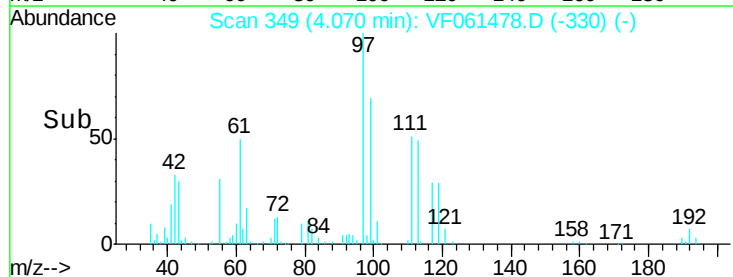
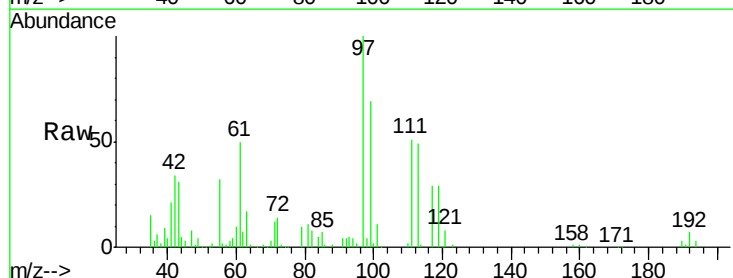
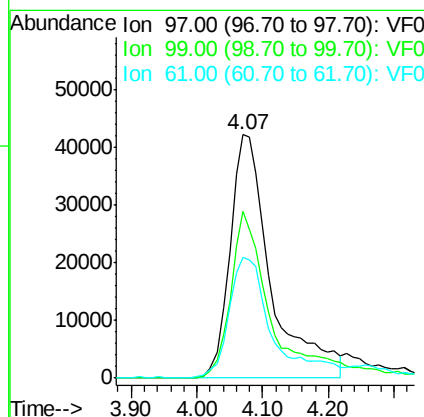
Manual Integrations
APPROVED

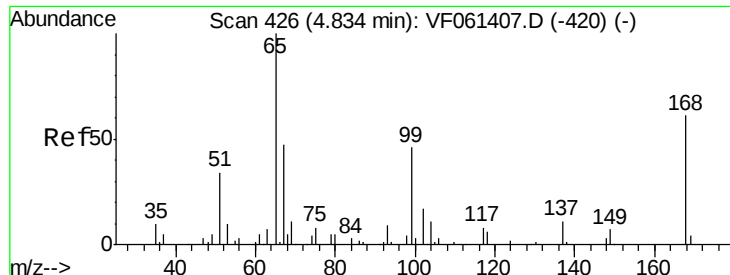
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.032 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.7	50.1	75.1
61	49.6	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 45.928 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tot Ion: 65 Resp: 106647

Ion Ratio Lower Upper

65 100

67 46.9 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

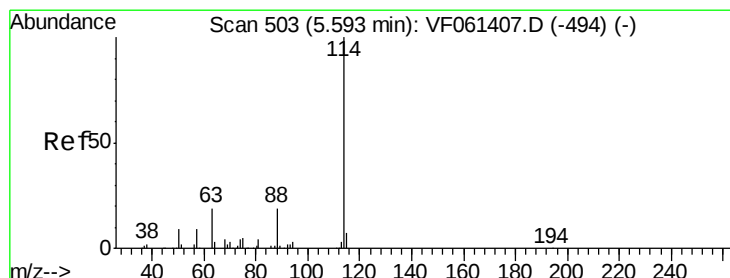
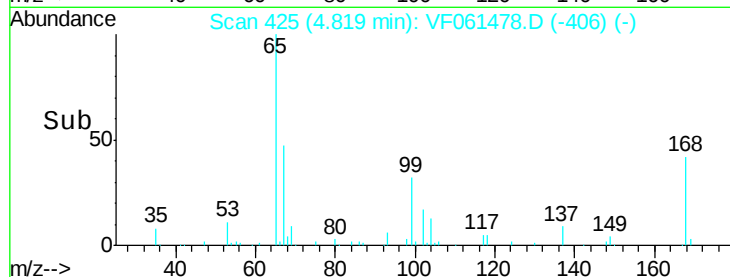
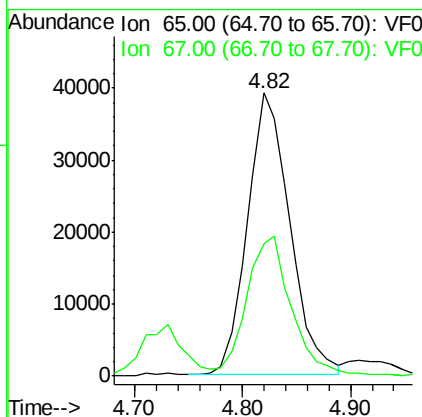
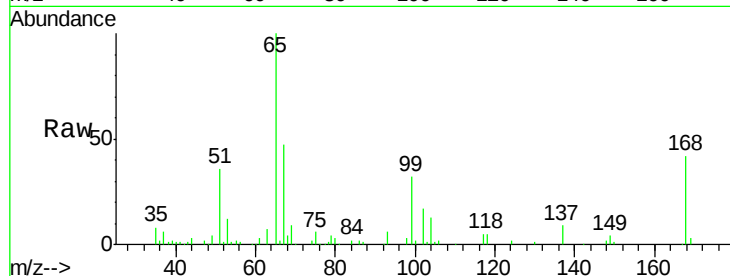
VSTDCCC050

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

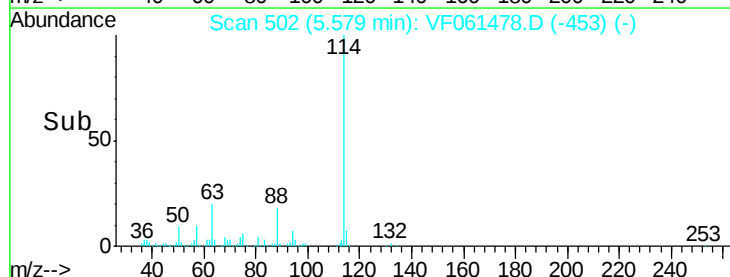
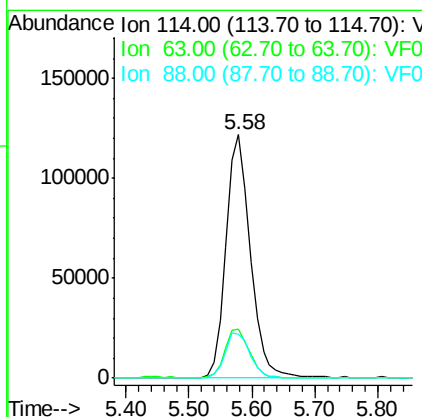
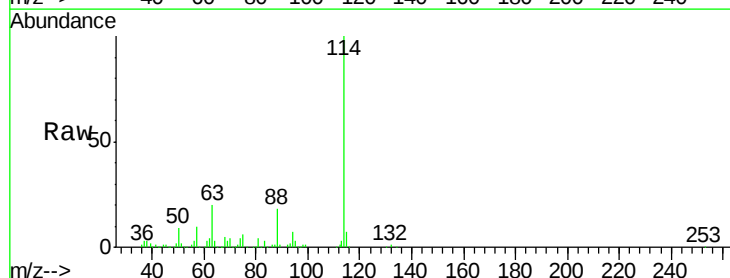
Tgt Ion: 114 Resp: 326961

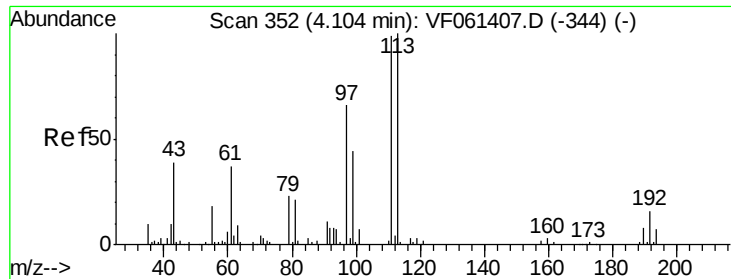
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 18.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 50.481 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

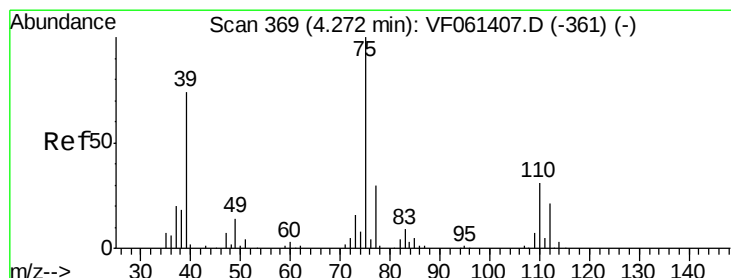
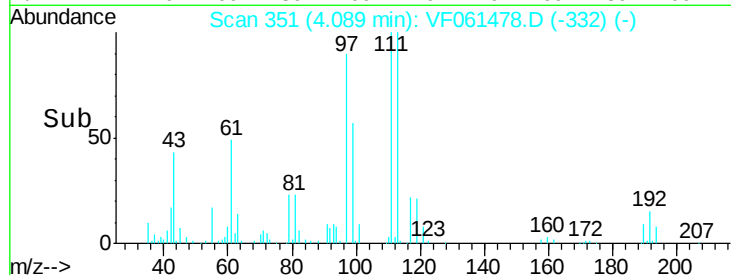
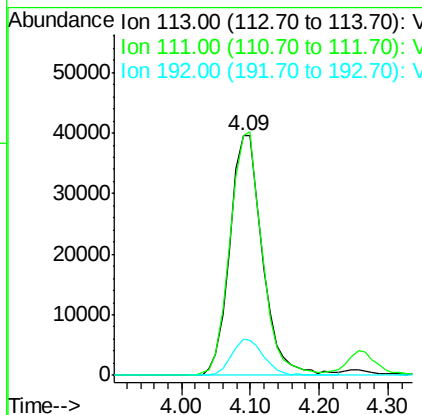
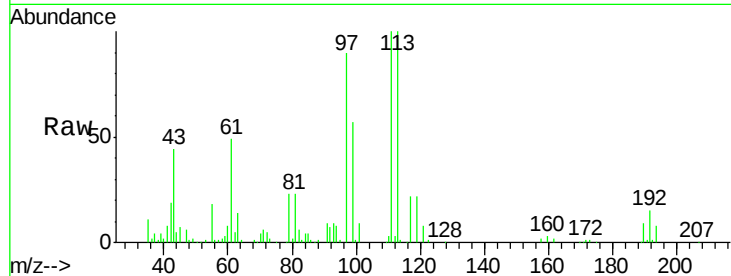
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	130240
Ion Ratio	Lower	Upper	
113	100		
111	100.2	79.4	119.0
192	16.2	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.780 ug/l

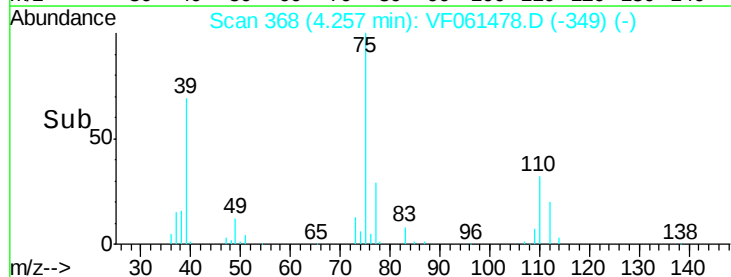
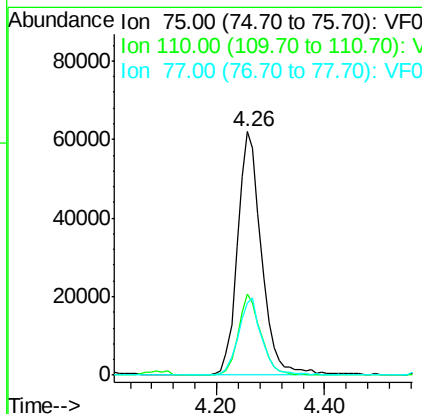
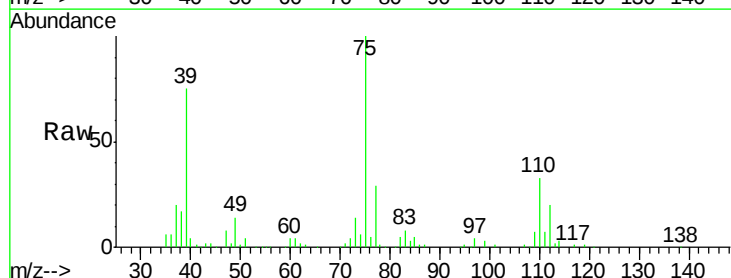
RT: 4.26 min Scan# 368

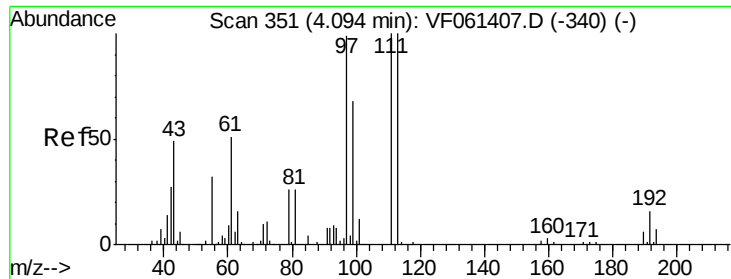
Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	75	Resp:	192506
Ion Ratio	Lower	Upper	
75	100		
110	33.4	15.8	47.3
77	29.4	24.0	36.0





#37

Ethyl Acetate

Concen: 44.496 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 67428

Ion Ratio Lower Upper

43 100

61 109.8 81.7 122.5

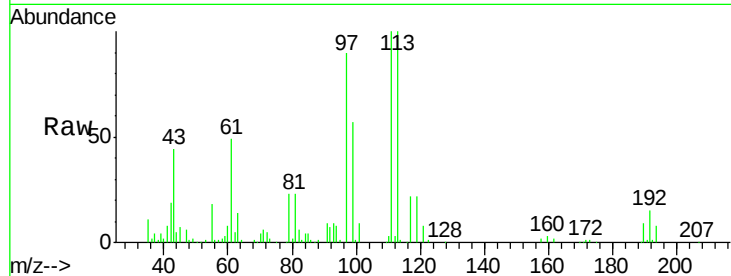
70 9.2 6.2 9.2

Manual Integrations

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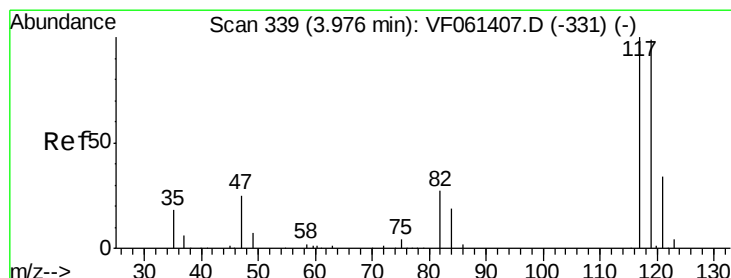
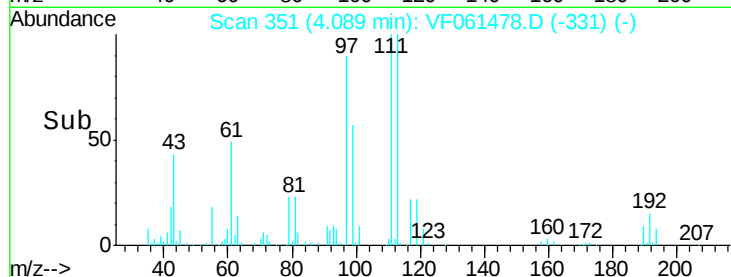
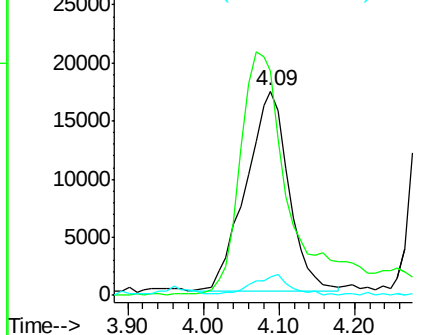
1/24/2019 12:56:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.386 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

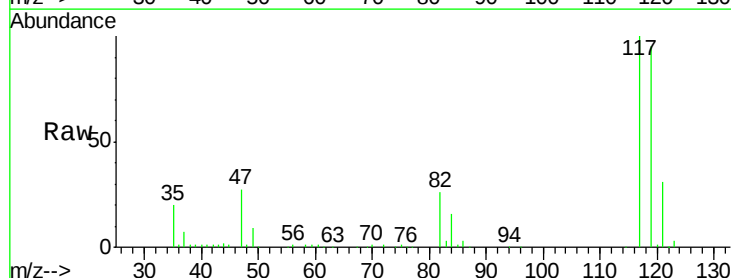
Tgt Ion: 117 Resp: 173616

Ion Ratio Lower Upper

117 100

119 94.6 79.0 118.6

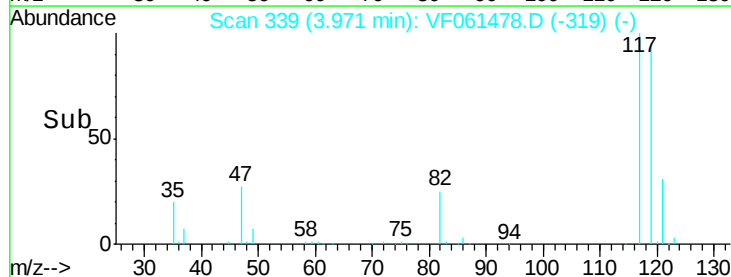
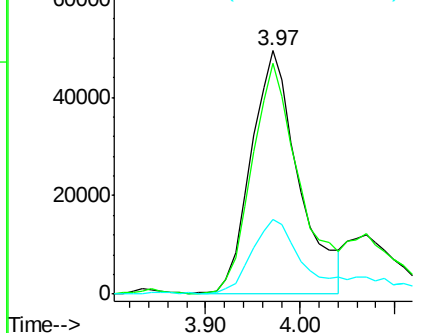
121 30.8 27.0 40.6

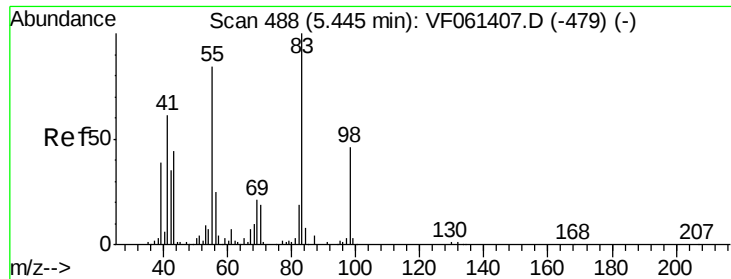


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





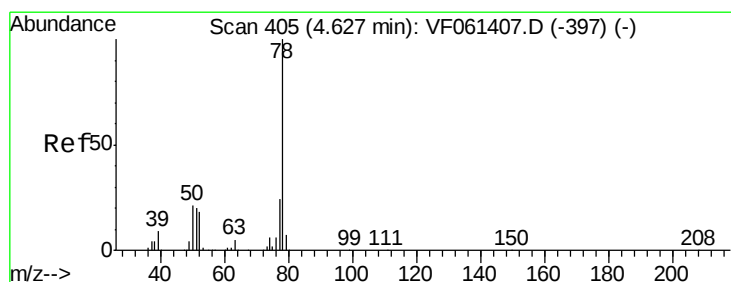
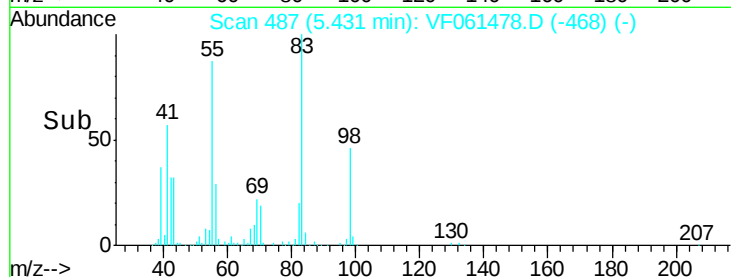
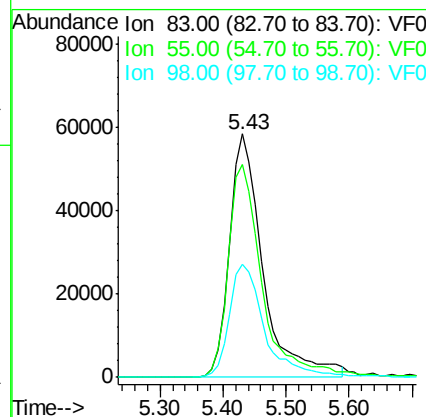
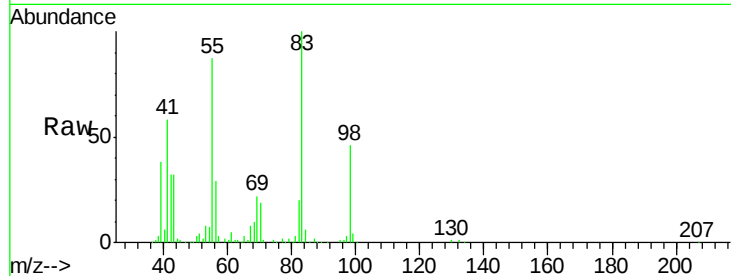
#39
Methylvlcvclohexane
Concen: 52.539 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	67.4	101.2
98	46.3	36.7	55.1

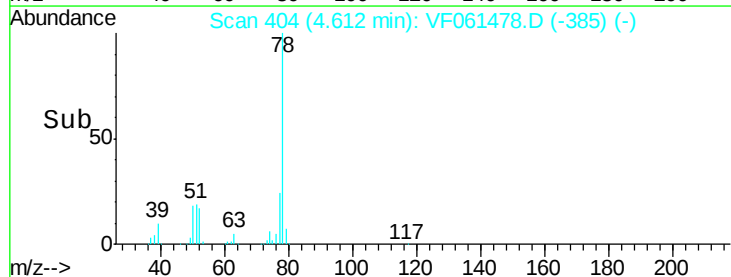
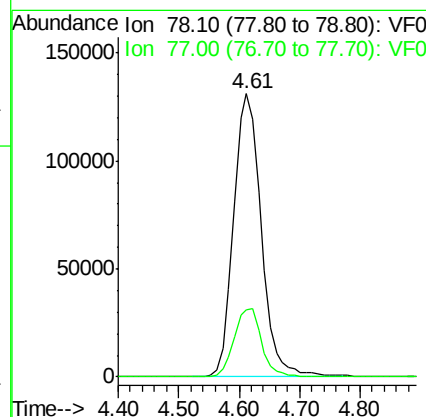
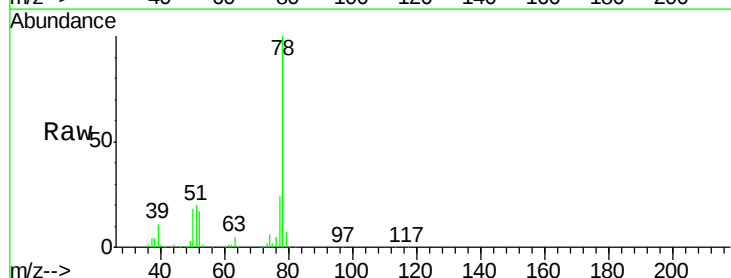
Manual Integrations
APPROVED

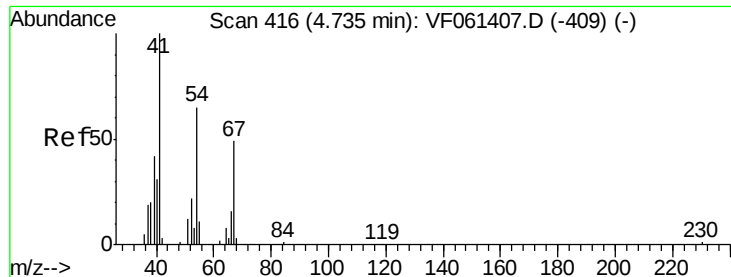
MMDadoda
1/24/2019 12:56:35 PM



#40
Benzene
Concen: 49.485 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





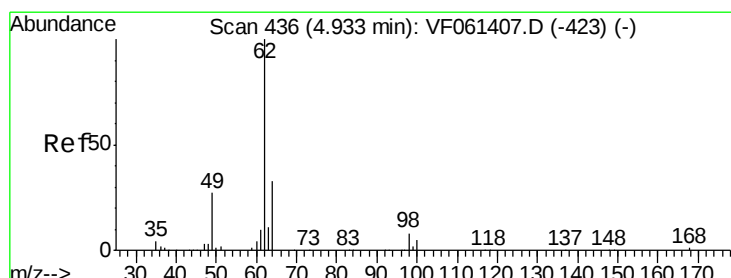
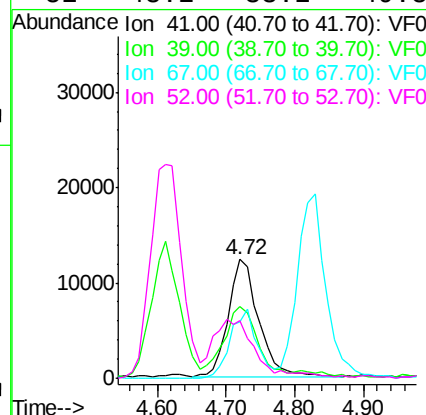
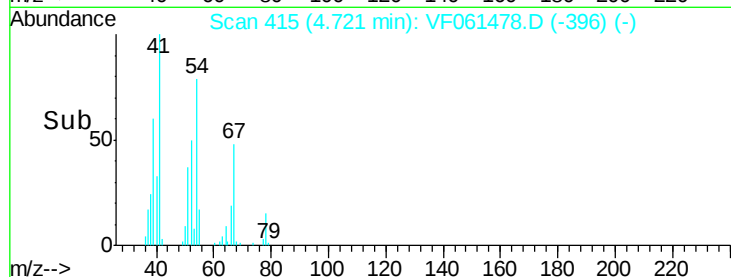
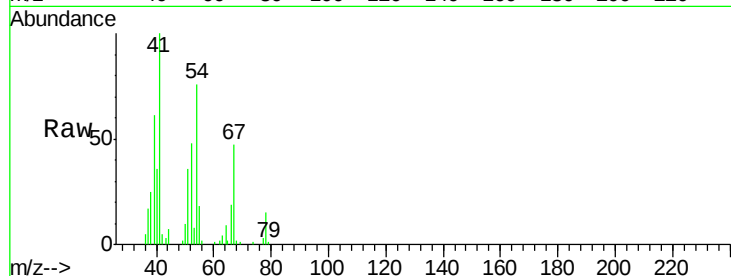
#41
Methacrylonitrile
Concen: 46.742 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.5	43.1	64.7
67	46.9	38.8	58.2
52	48.2	33.2	49.8

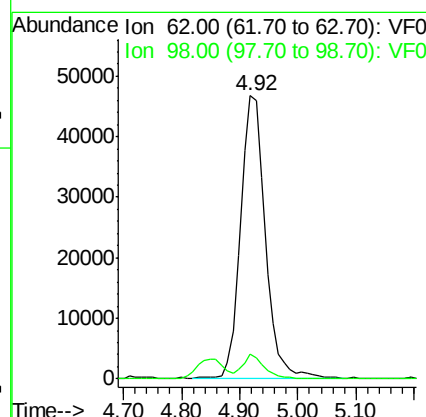
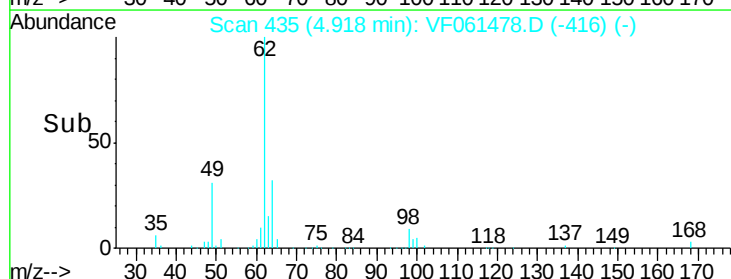
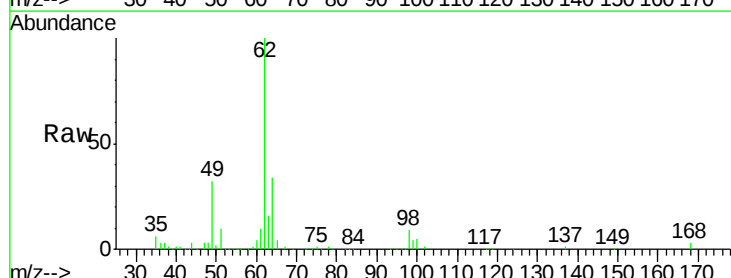
Manual Integrations
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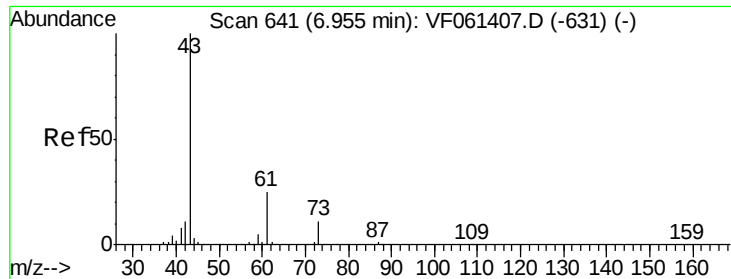
MMDadoda
1/24/2019 12:56:35 PM



#42
1,2-Dichloroethane
Concen: 46.601 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0





#43

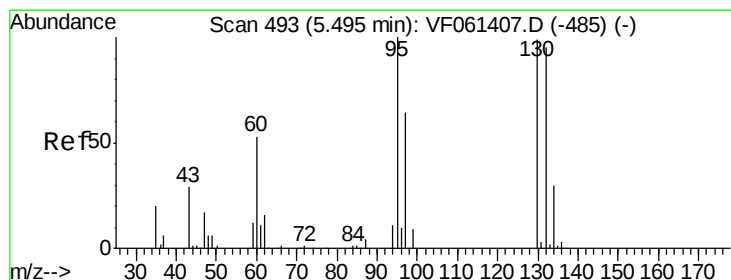
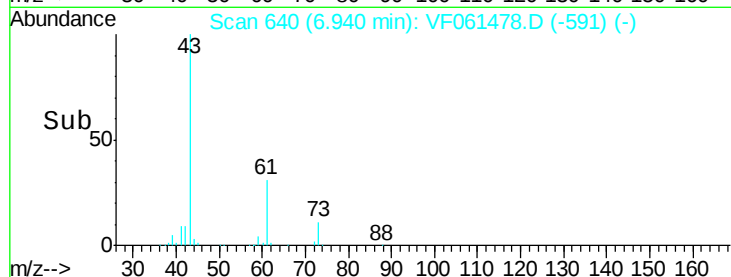
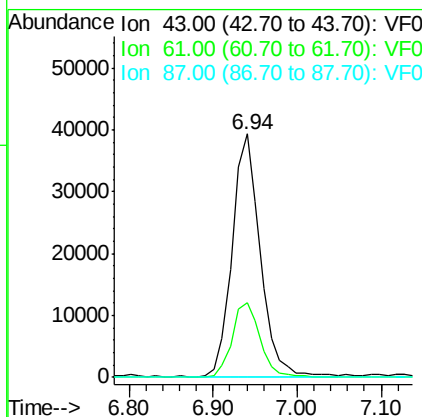
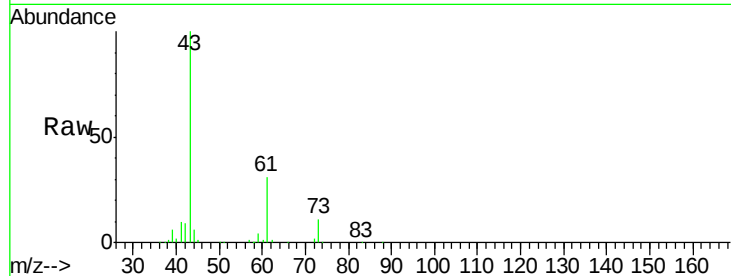
Isopropyl Acetate
 Concen: 48.410 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	20.3	30.5#
87	0.0	0.5	0.7#

Manual Integrations
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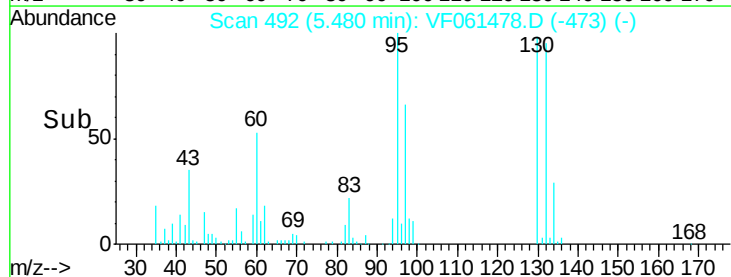
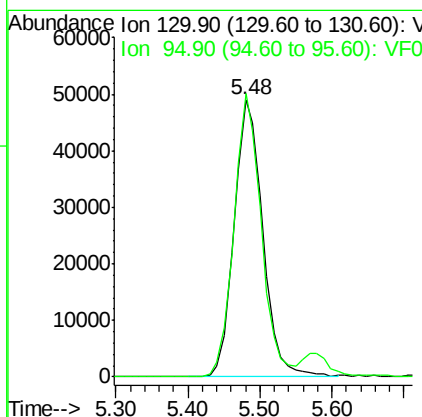
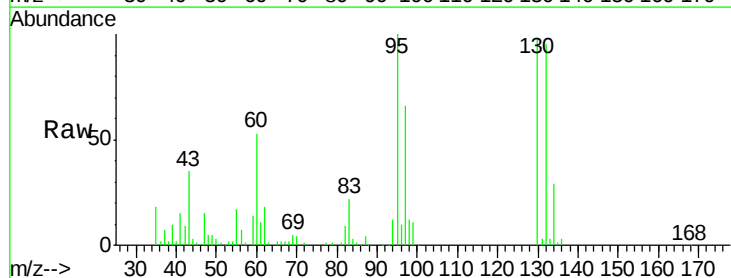
MMDadoda
 1/24/2019 12:56:35 PM

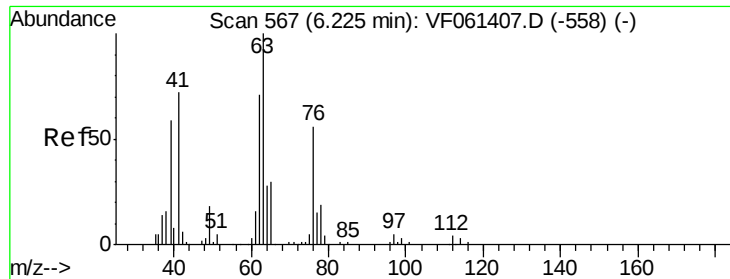


#44

Trichloroethene
 Concen: 52.559 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.8





#45

1,2-Dichloropropane

Concen: 51.760 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 114593

Ion Ratio Lower Upper

63 100

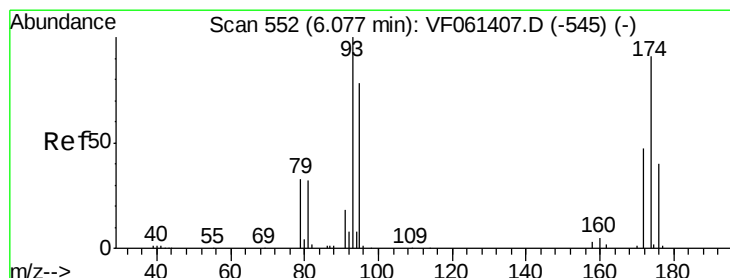
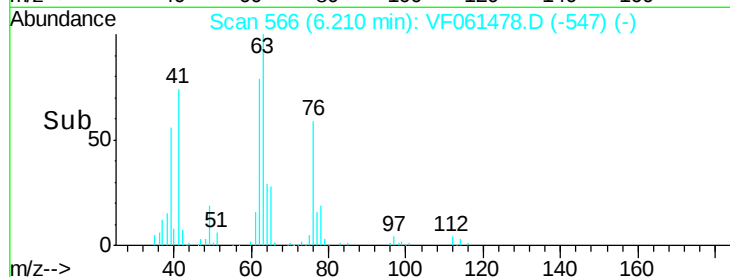
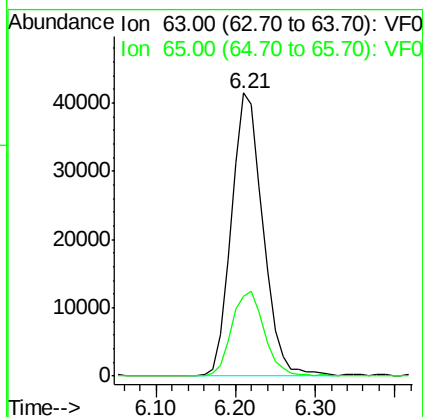
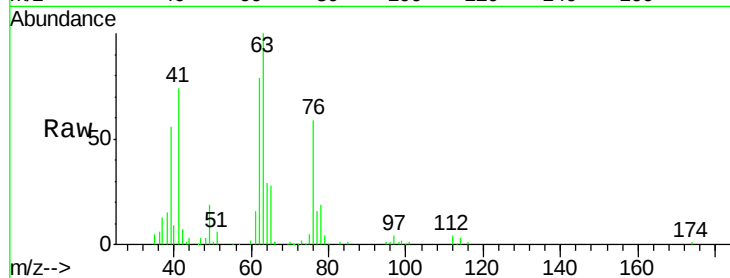
65 28.0 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 48.208 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

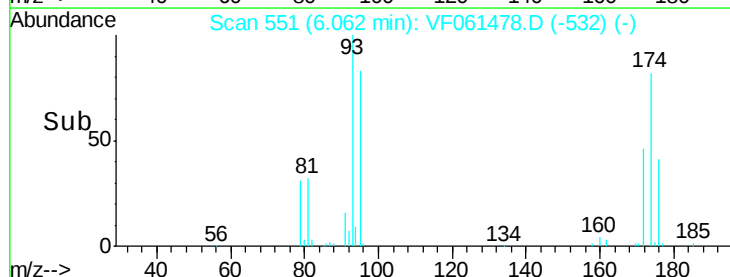
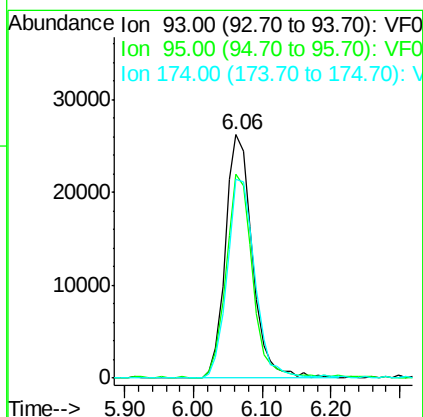
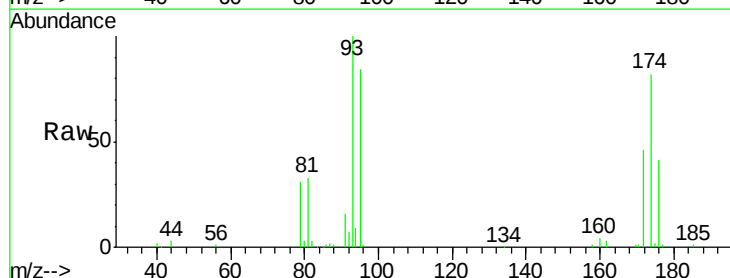
Tgt Ion: 93 Resp: 70968

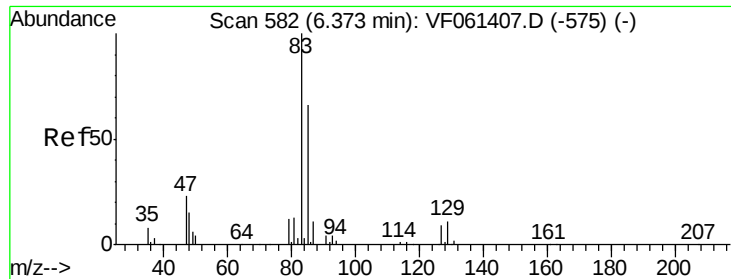
Ion Ratio Lower Upper

93 100

95 83.8 62.1 93.1

174 81.8 74.6 111.8





#47

Bromodichloromethane

Concen: 50.603 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

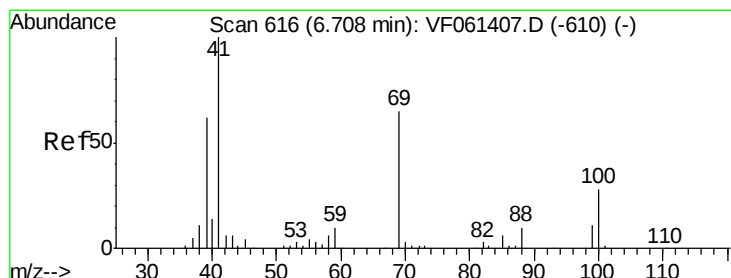
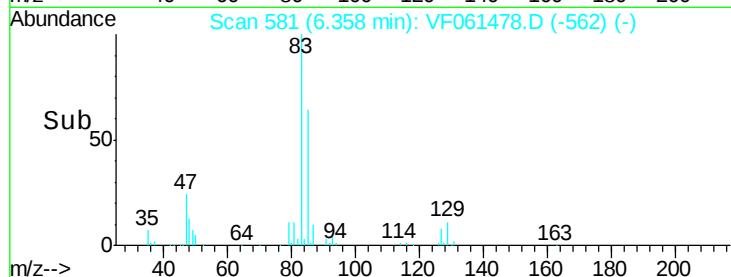
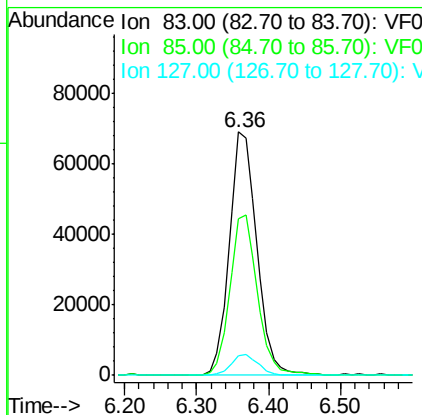
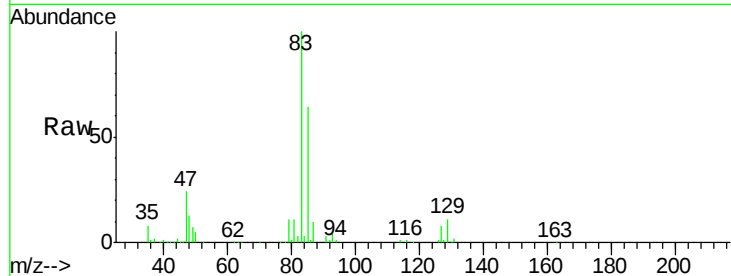
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	184313
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.0	79.4
127	8.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.025 ug/l

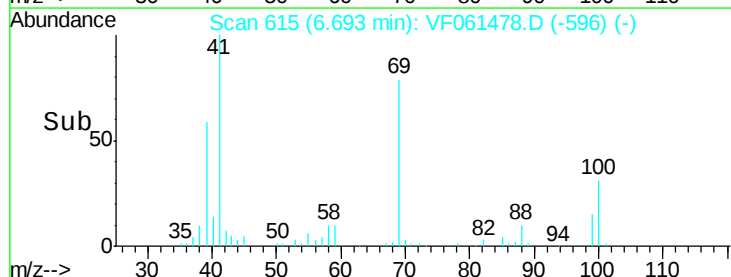
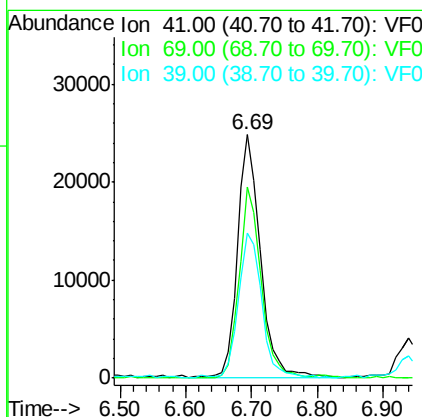
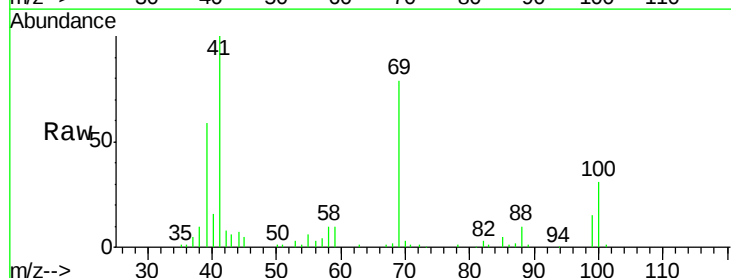
RT: 6.69 min Scan# 615

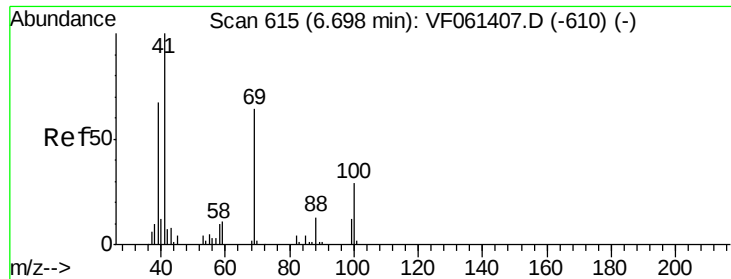
Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	41	Resp:	61334
Ion Ratio	Lower	Upper	
41	100		
69	78.5	51.7	77.5#
39	59.4	49.2	73.8





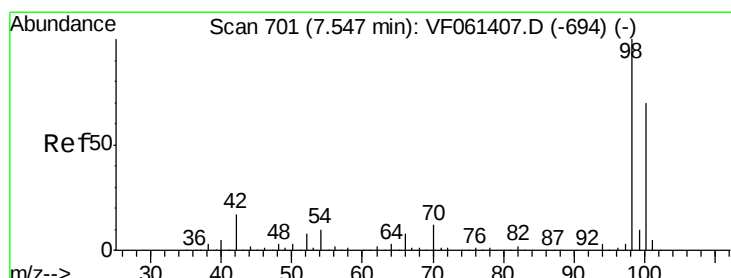
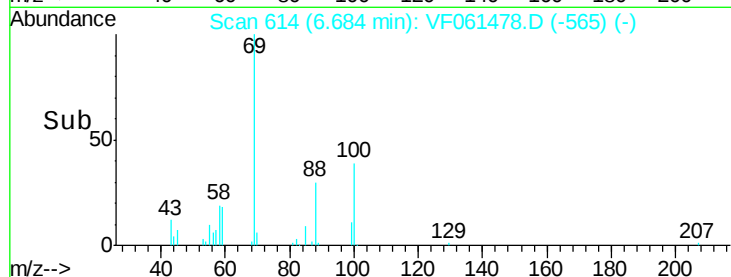
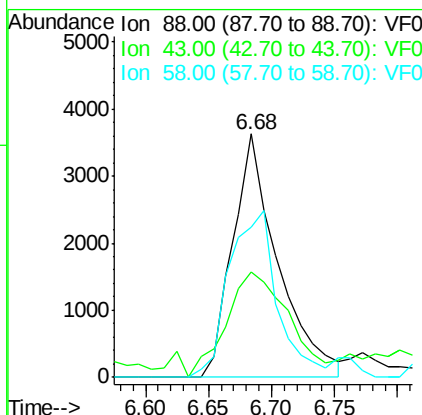
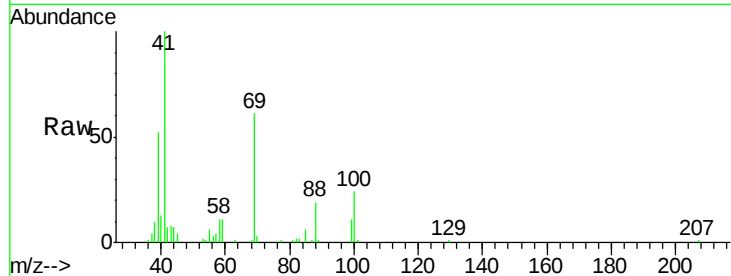
#49
1,4-Dioxane
Concen: 1011.951 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.1	55.5	83.3#
58	61.7	59.9	89.9

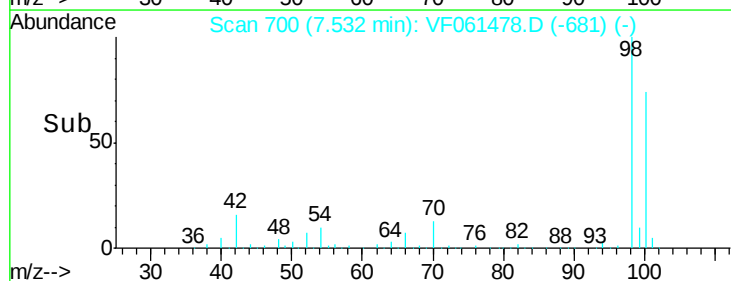
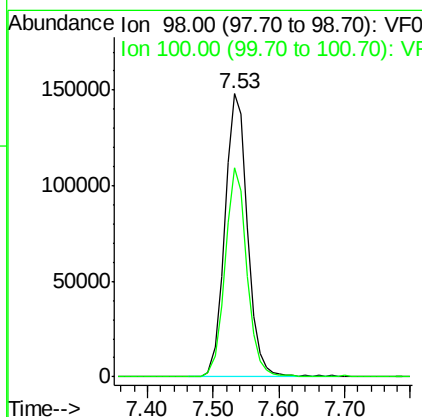
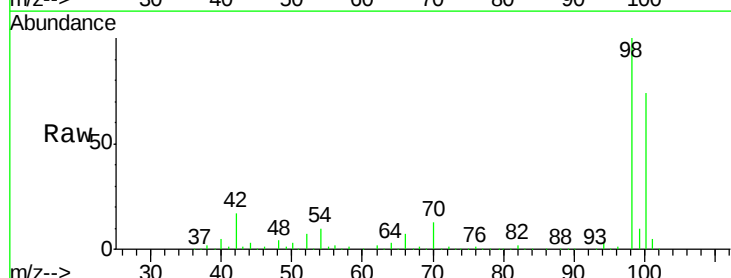
Manual Integrations
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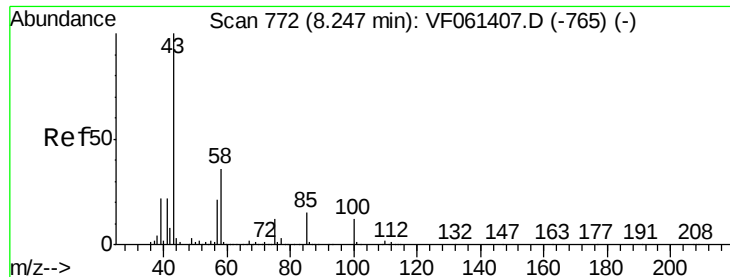
MMDadoda
1/24/2019 12:56:35 PM



#50
Toluene-d8
Concen: 50.722 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.8	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 227.797 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 318503

Ion Ratio Lower Upper

43 100

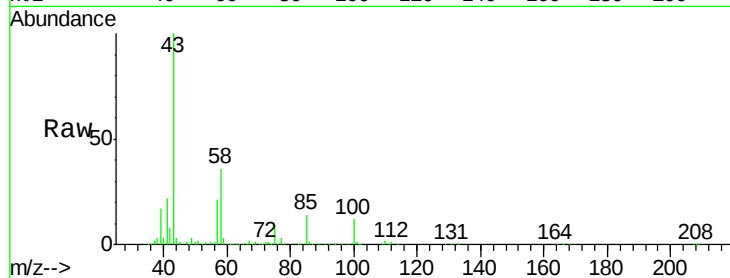
58 36.4 28.8 43.2

Manual Integrations

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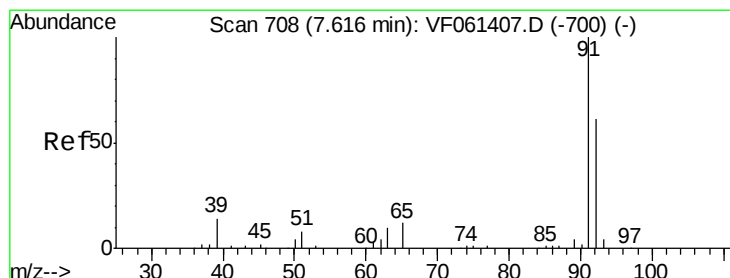
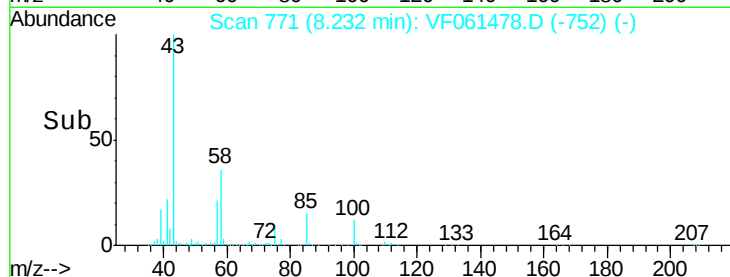
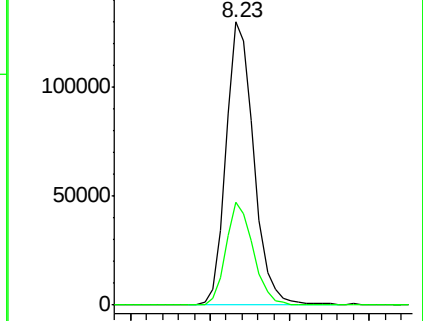
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.597 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061478.D

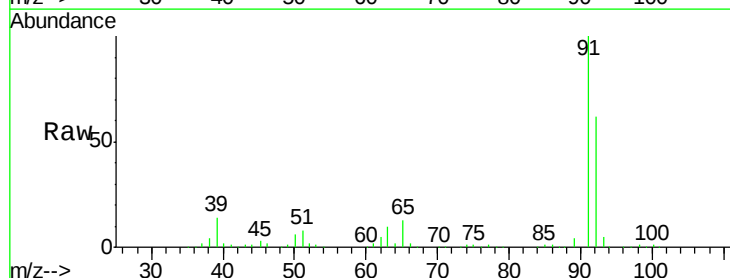
Acq: 23 Jan 2019 10:29

Tgt Ion: 92 Resp: 281070

Ion Ratio Lower Upper

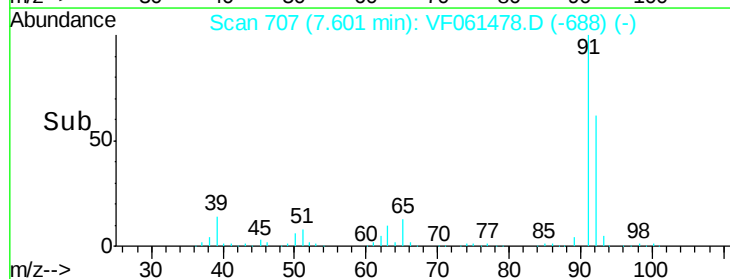
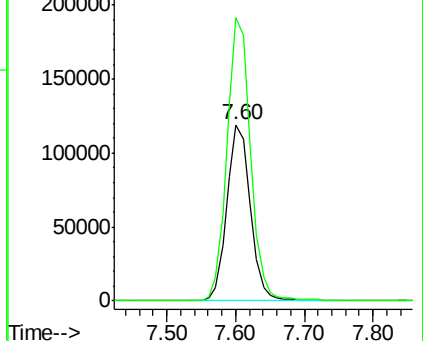
92 100

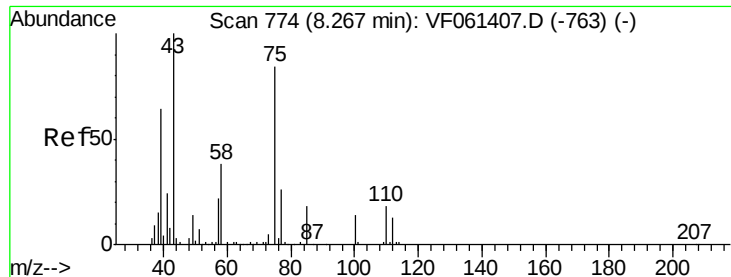
91 160.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.025 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 138899

Ion Ratio Lower Upper

75 100

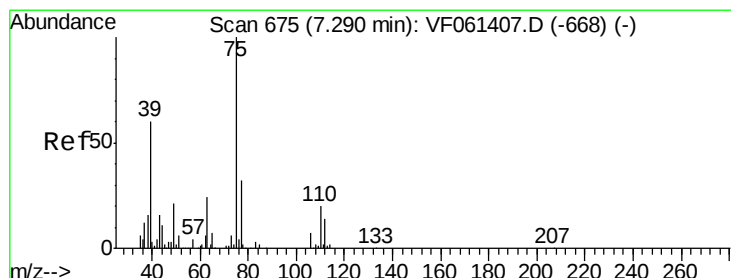
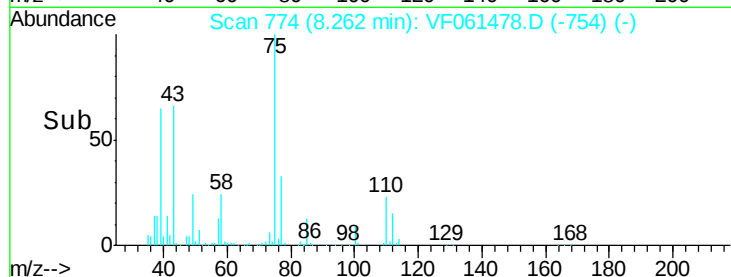
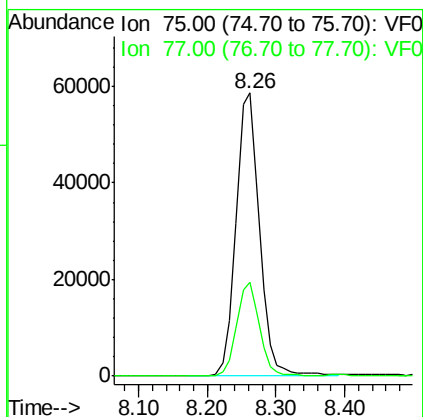
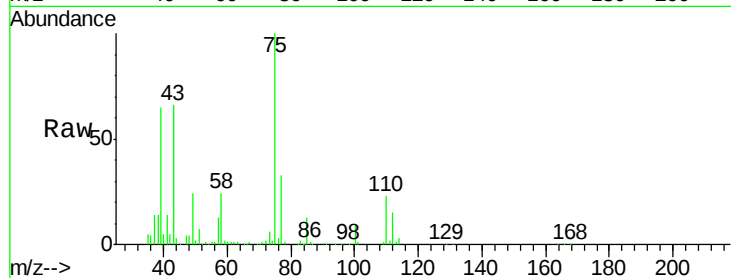
77 33.1 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 56.385 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

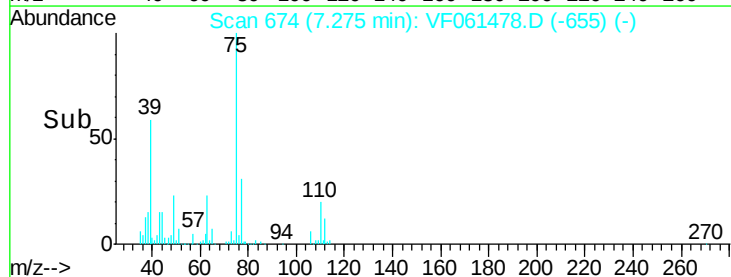
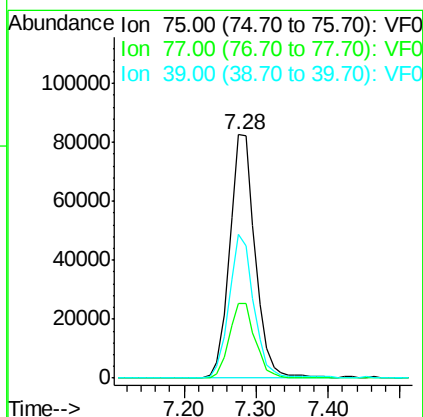
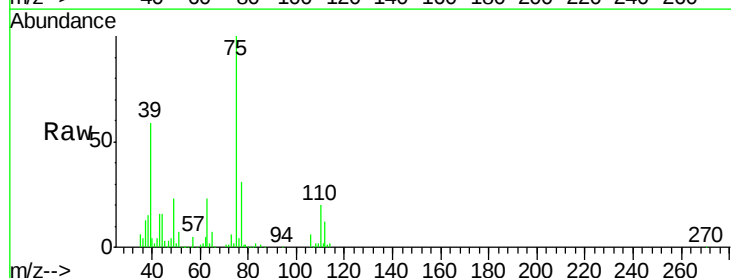
Tgt Ion: 75 Resp: 203842

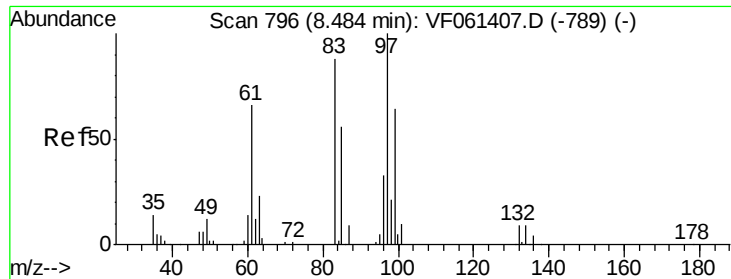
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 59.2 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 50.598 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

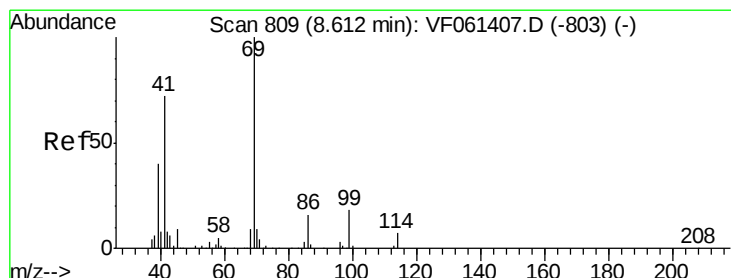
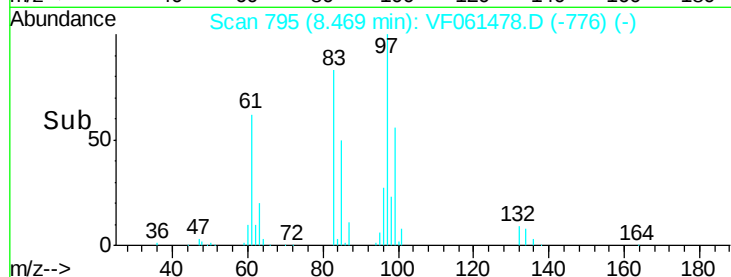
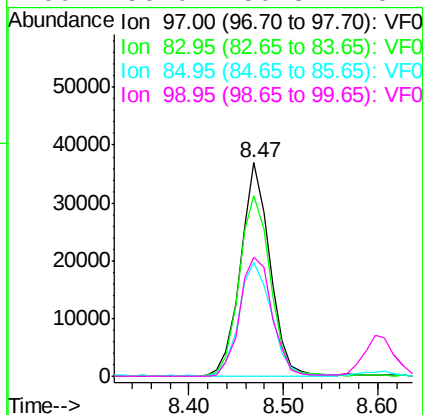
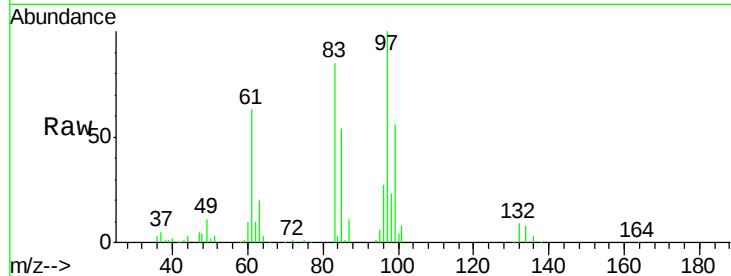
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	79818
Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.4	105.6
85	53.5	44.7	67.1
99	56.0	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 46.714 ug/l

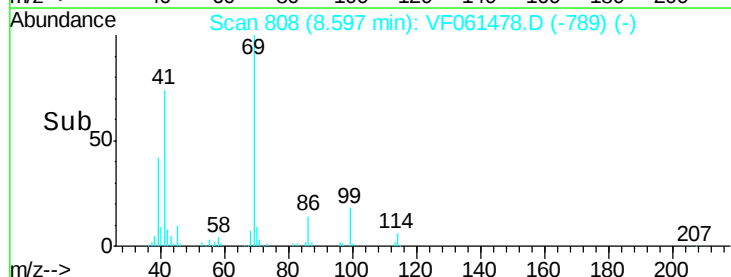
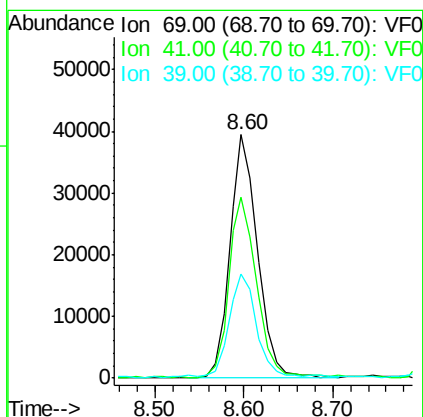
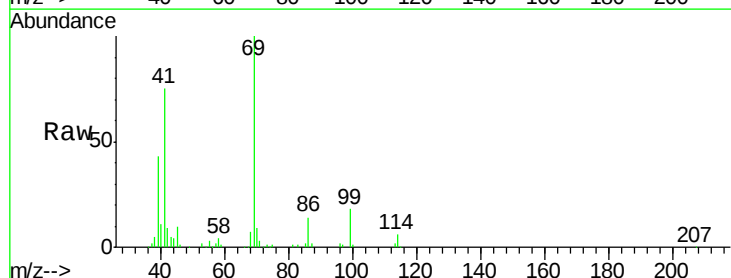
RT: 8.60 min Scan# 808

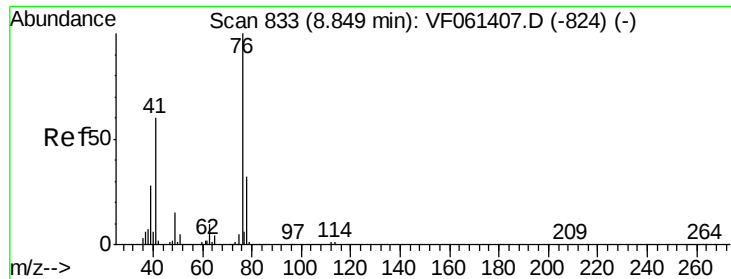
Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	69	Resp:	85734
Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.5	86.3
39	42.8	32.0	48.0





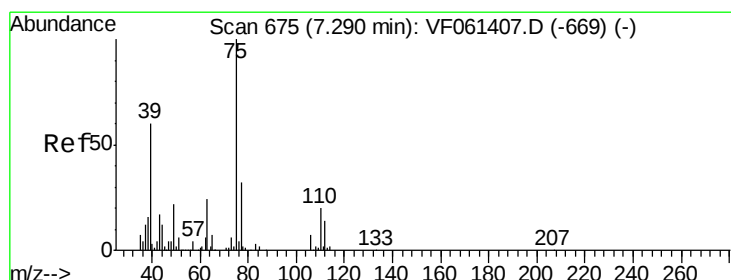
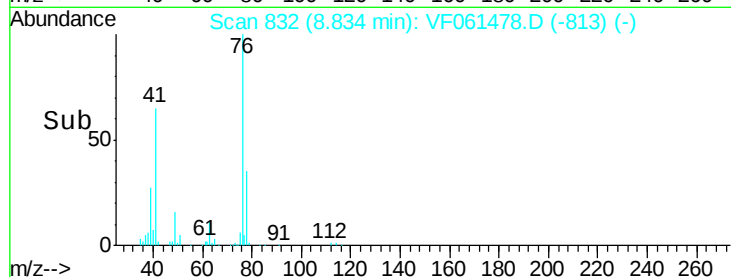
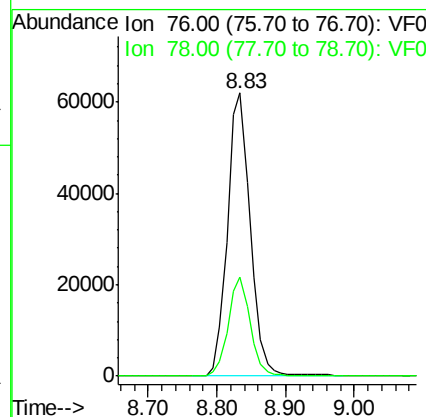
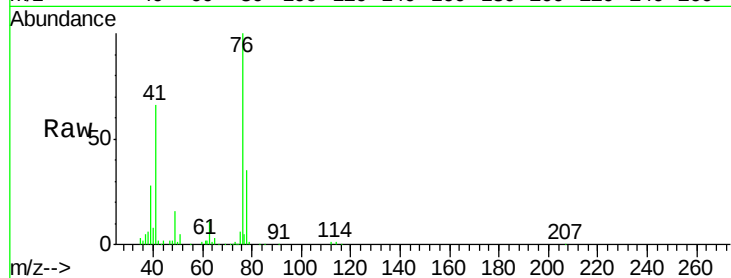
#57
 1,3-Dichloropropane
 Concen: 48.199 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.9	25.3	37.9

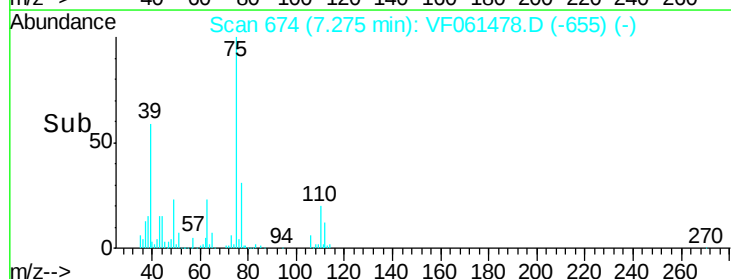
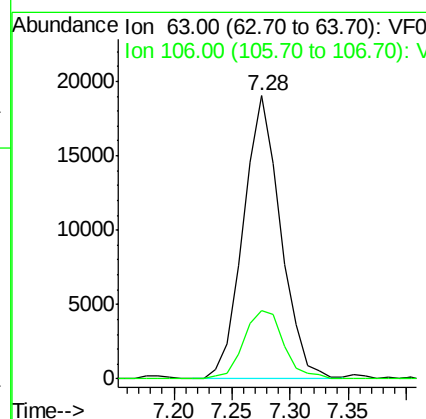
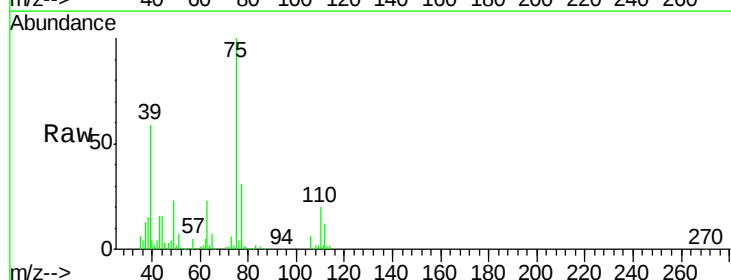
Manual Integrations
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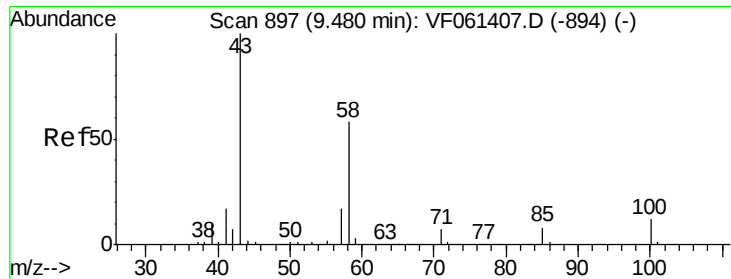
MMDadoda
 1/24/2019 12:56:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.896 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	21.9	32.9





#59

2-Hexanone

Concen: 288.402 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 281188

Ion Ratio Lower Upper

43 100

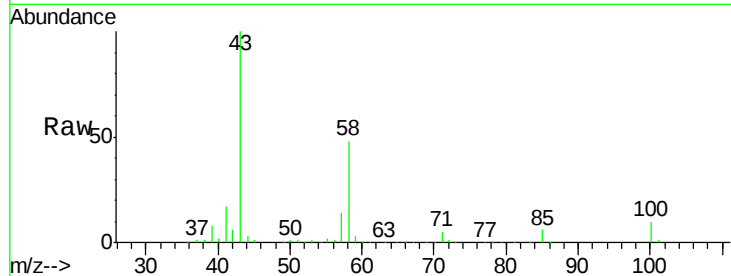
58 48.3 25.9 77.6

Manual Integrations

APPROVED

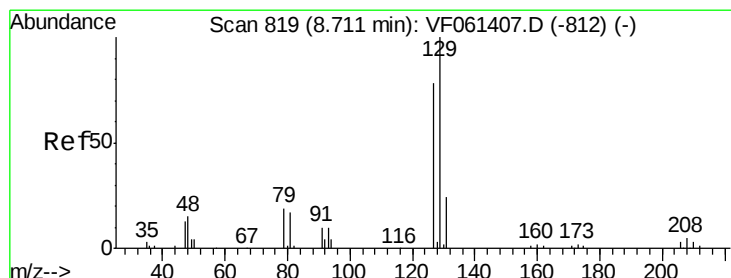
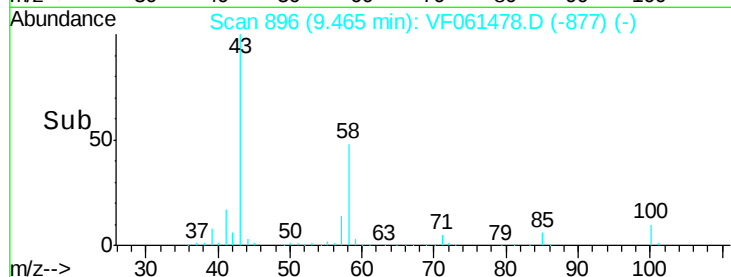
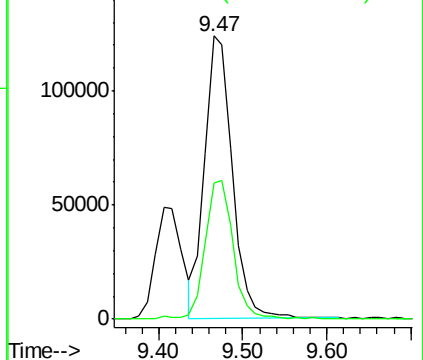
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 50.312 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.01 min

Lab File: VF061478.D

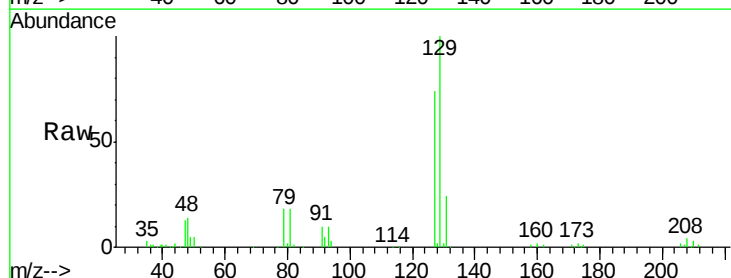
Acq: 23 Jan 2019 10:29

Tgt Ion: 129 Resp: 116029

Ion Ratio Lower Upper

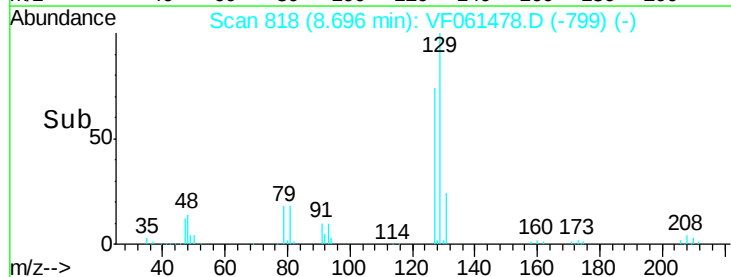
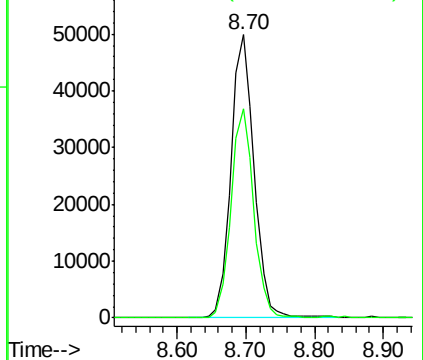
129 100

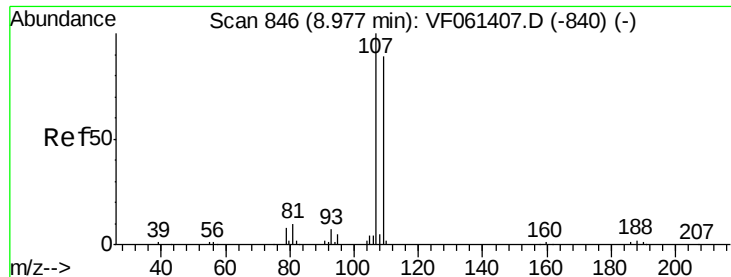
127 73.8 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 46.531 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 84030

Ion Ratio Lower Upper

107 100

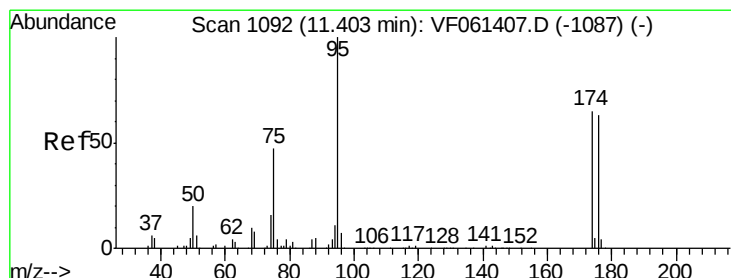
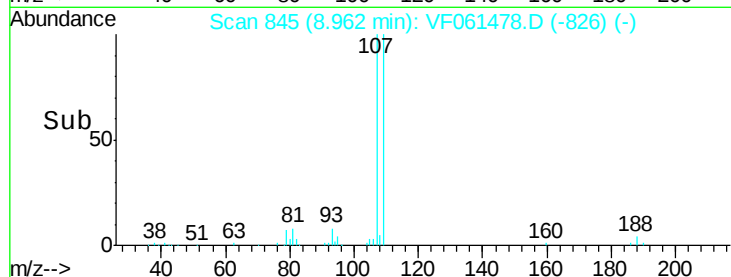
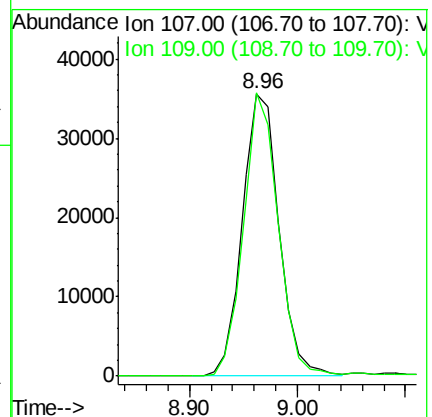
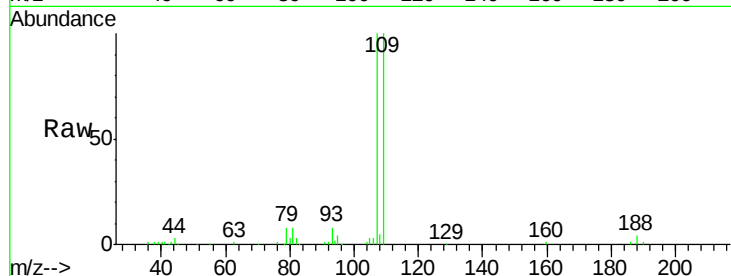
109 100.3 70.8 106.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.040 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

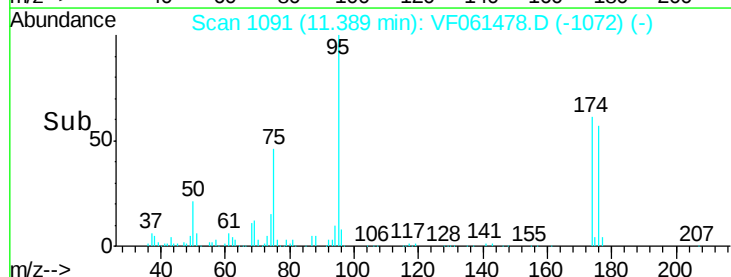
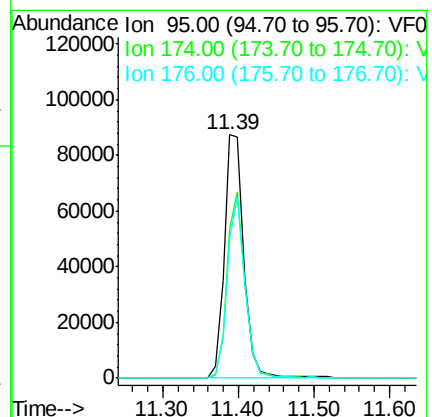
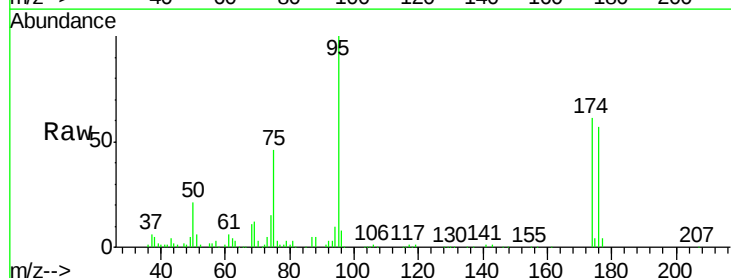
Tgt Ion: 95 Resp: 158661

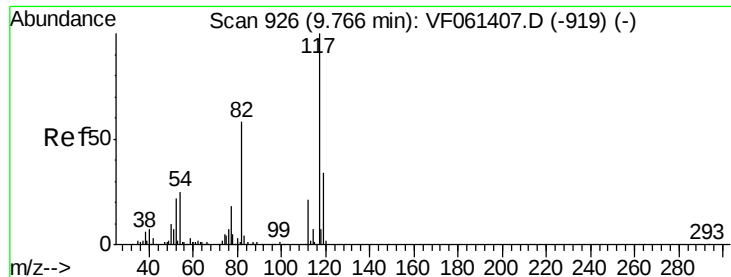
Ion Ratio Lower Upper

95 100

174 61.3 0.0 130.4

176 56.7 0.0 126.2





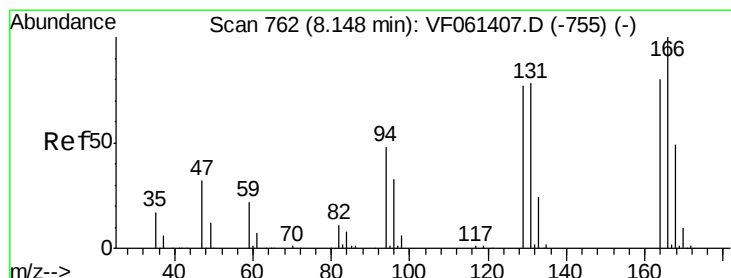
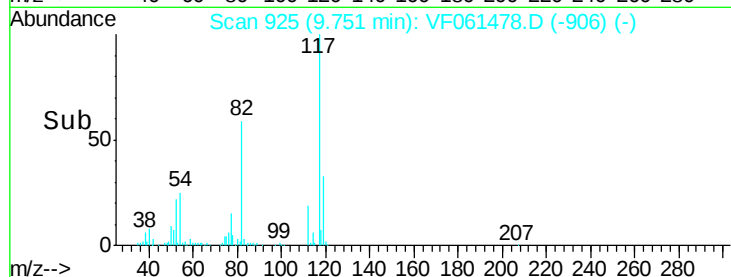
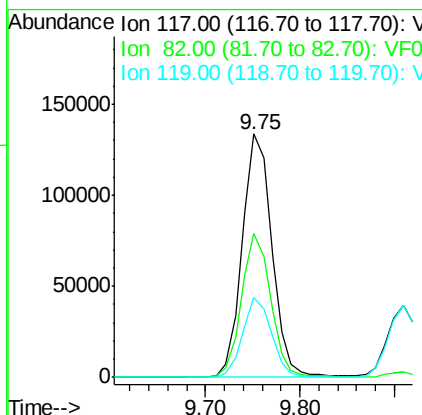
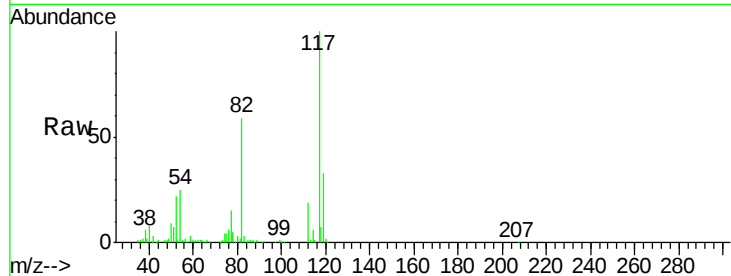
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292060		
82	59.0		46.4	69.6
119	32.9		27.2	40.8

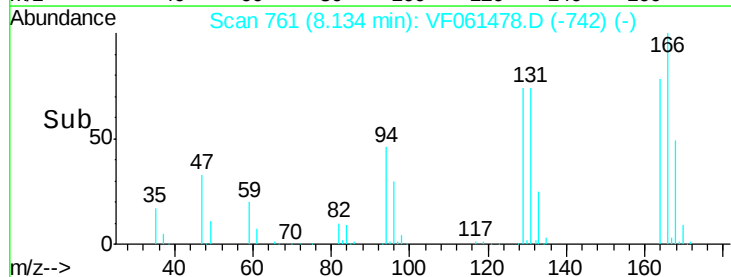
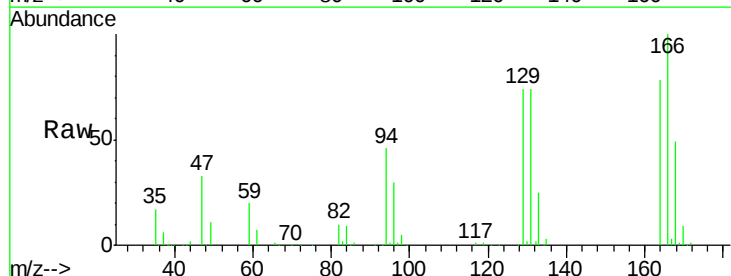
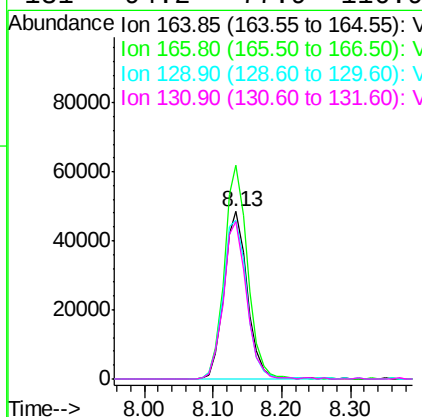
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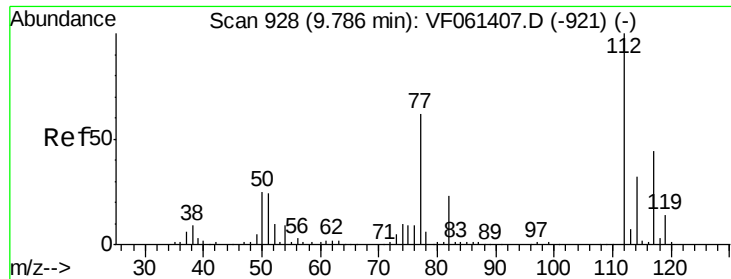
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#64
Tetrachloroethene
Concen: 51.342 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112763		
166	127.5		99.6	149.4
129	94.6		76.4	114.6
131	94.2		77.9	116.9





#65

Chlorobenzene

Concen: 50.636 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 300737

Ion Ratio Lower Upper

112 100

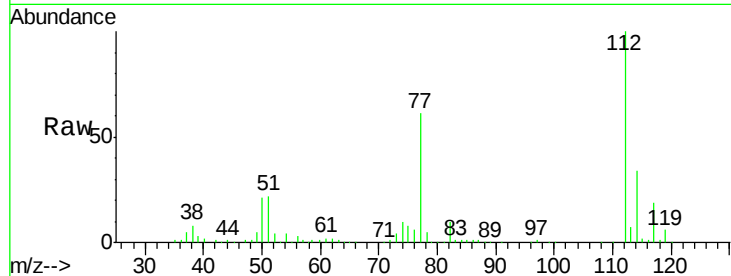
114 33.7 25.4 38.0

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

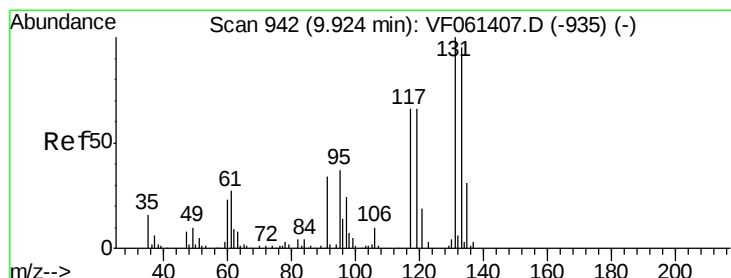
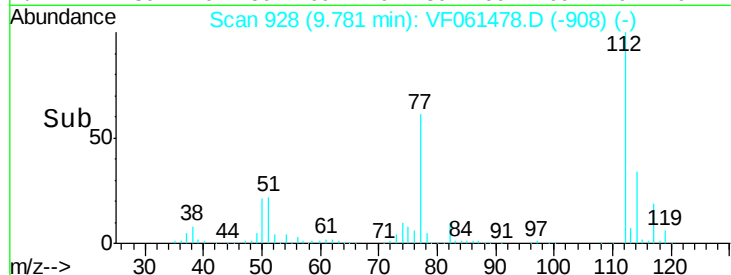
100000

50000

0

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.782 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

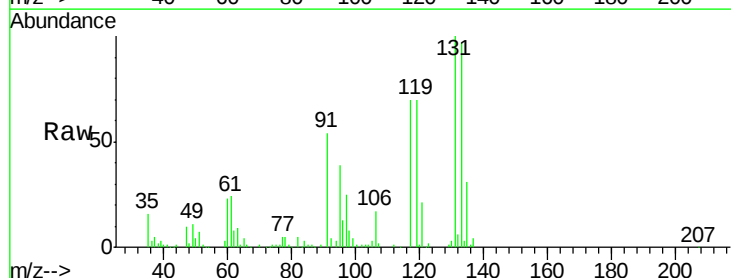
Tgt Ion:131 Resp: 124881

Ion Ratio Lower Upper

131 100

133 97.1 47.4 142.2

119 69.9 33.1 99.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

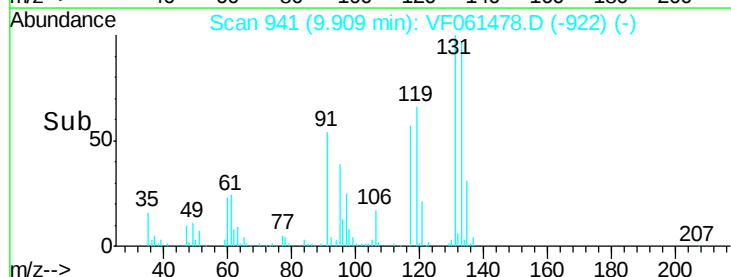
40000

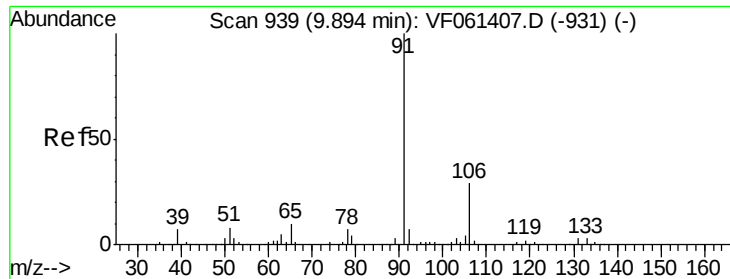
20000

0

9.80 9.90 10.00

Time-->





#67

Ethyl Benzene

Concen: 53.000 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 575111

Ion Ratio Lower Upper

91 100

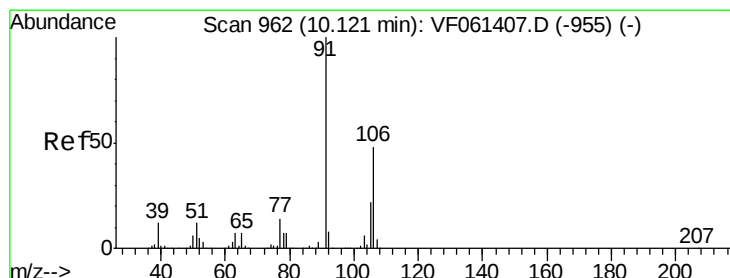
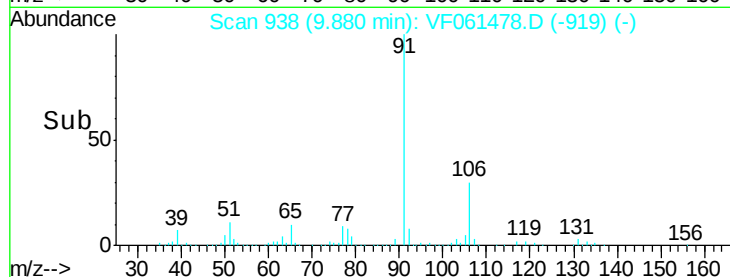
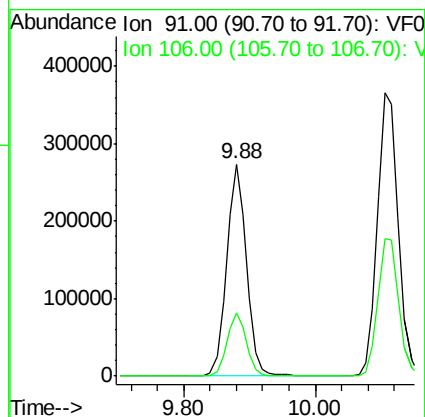
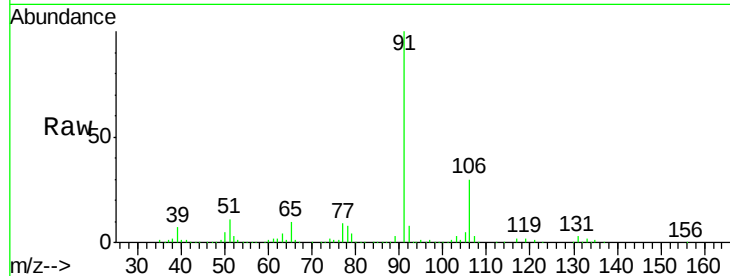
106 29.7 23.1 34.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.295 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF061478.D

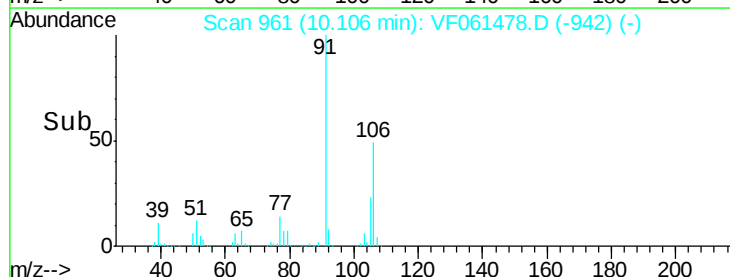
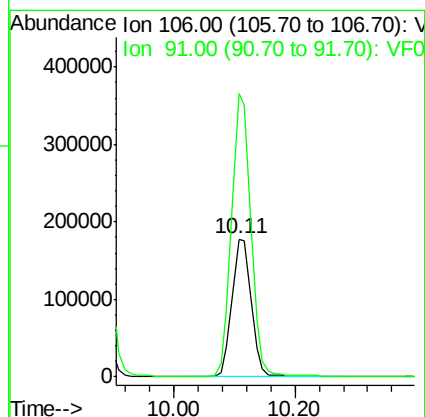
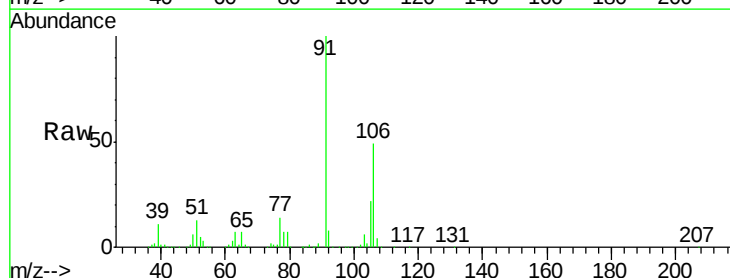
Acq: 23 Jan 2019 10:29

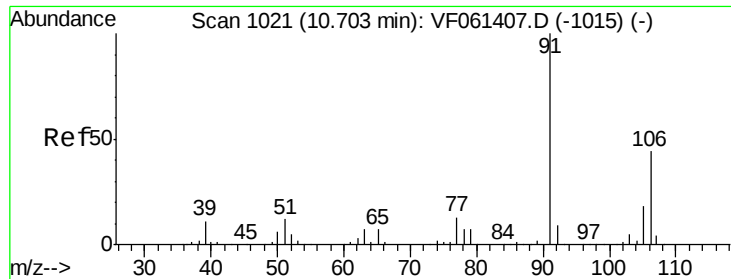
Tgt Ion: 106 Resp: 399243

Ion Ratio Lower Upper

106 100

91 205.1 166.2 249.4





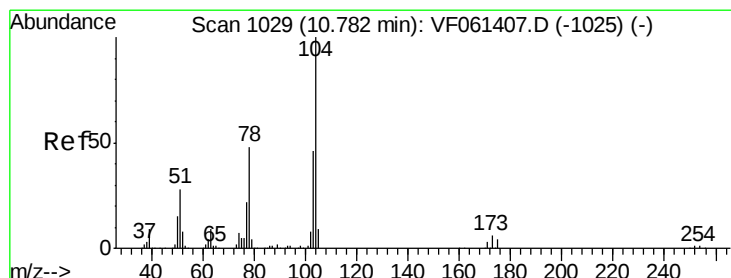
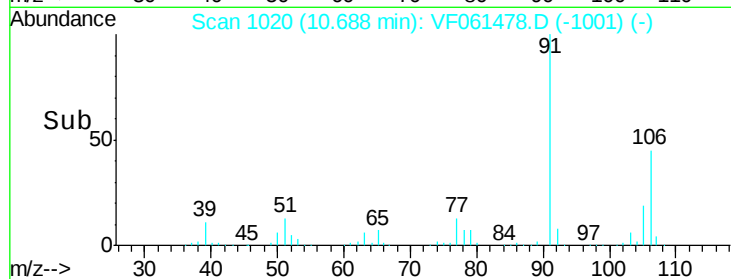
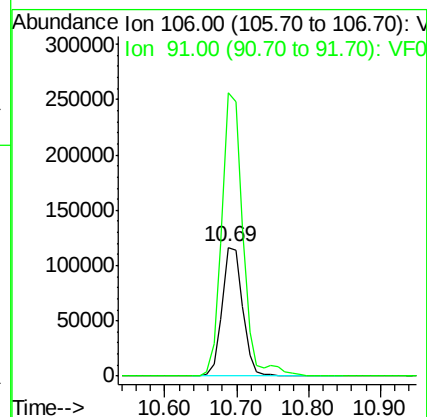
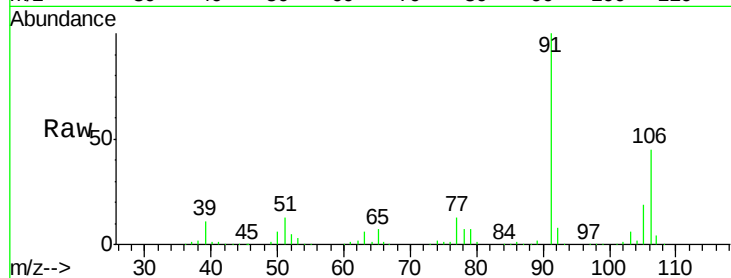
#69
o-Xylene
Concen: 54.298 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.0	113.3	339.8

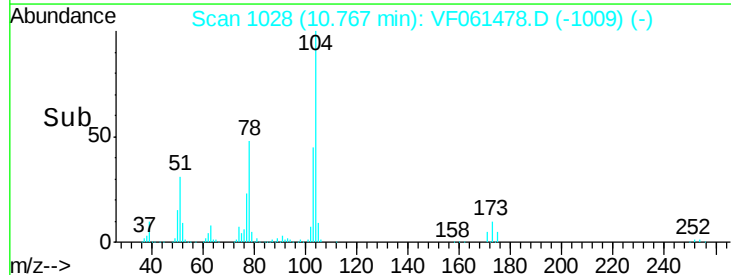
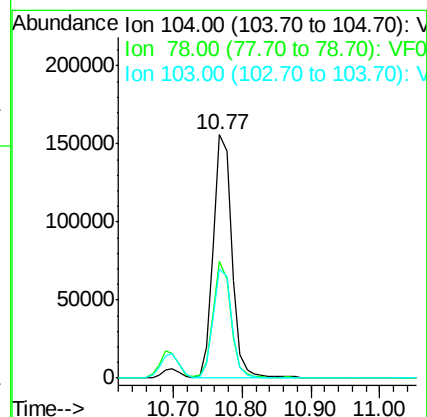
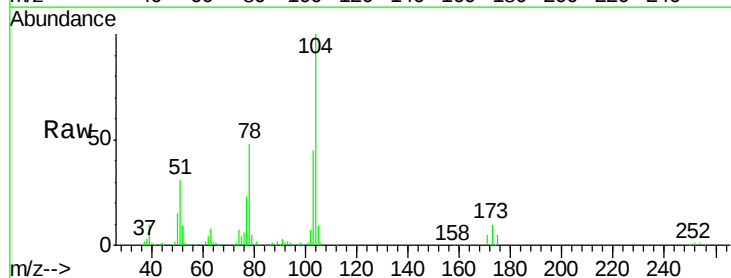
Manual Integrations
APPROVED

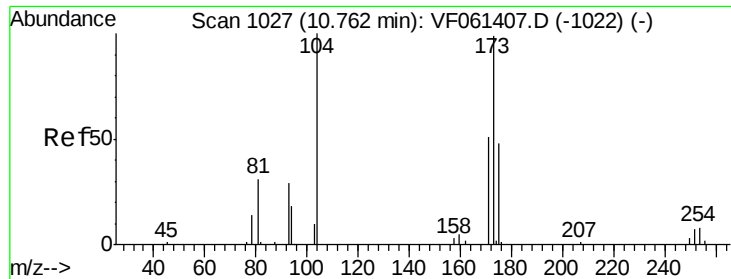
MMDadoda
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#70
Styrene
Concen: 50.783 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.8	58.2
103	45.0	37.0	55.6





#71

Bromoform

Concen: 50.940 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 54152

Ion Ratio Lower Upper

173 100

175 45.0 24.1 72.4

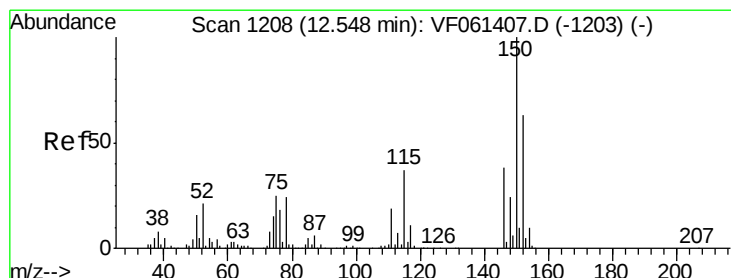
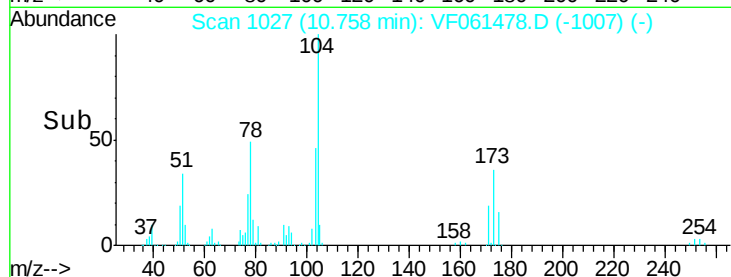
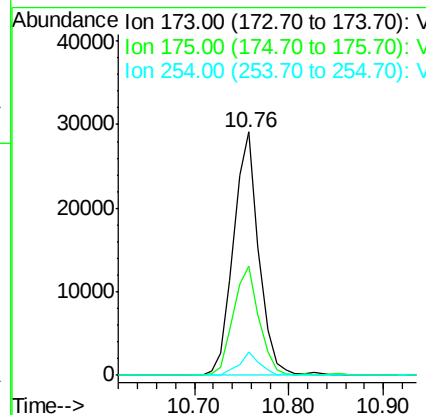
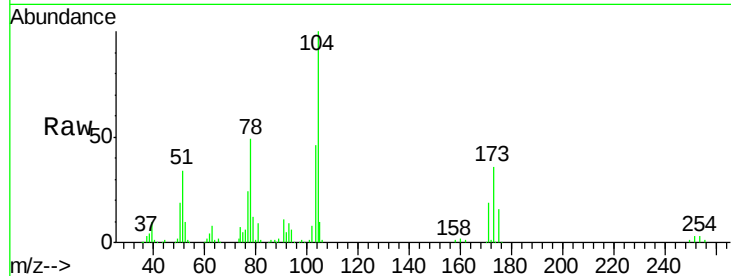
254 9.4 0.0 0.0#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

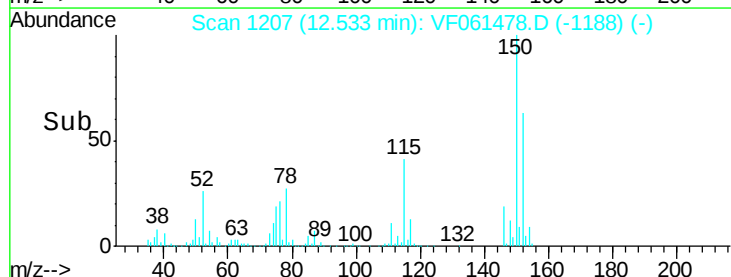
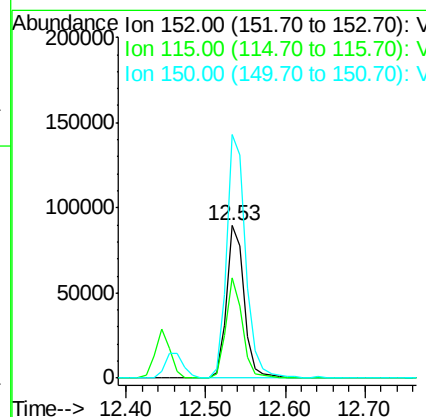
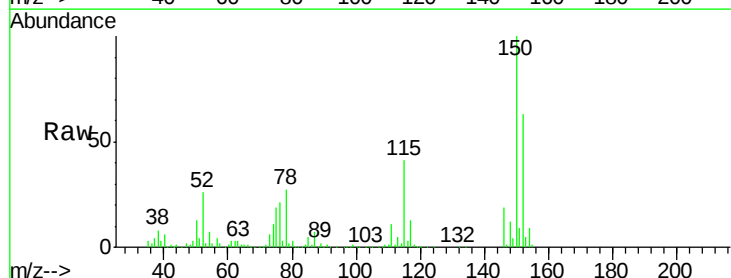
Tgt Ion:152 Resp: 141389

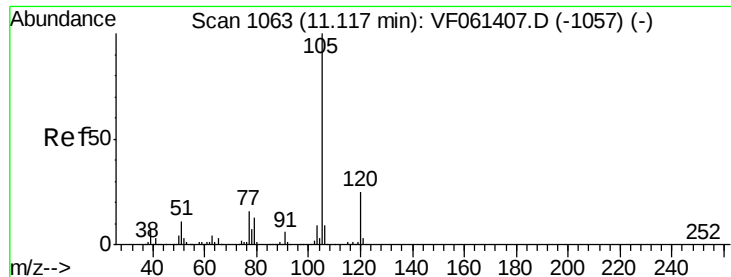
Ion Ratio Lower Upper

152 100

115 65.7 30.0 90.0

150 159.8 0.0 321.4





#73

Isopropylbenzene

Concen: 55.900 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 642819

Ion Ratio Lower Upper

105 100

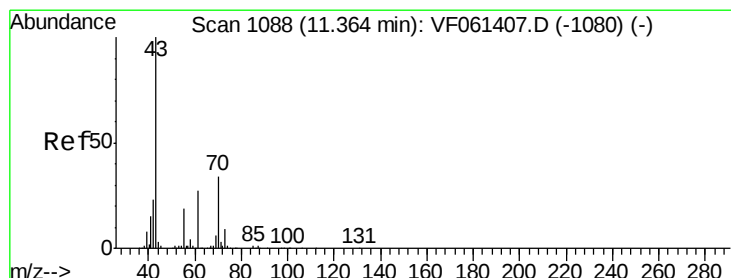
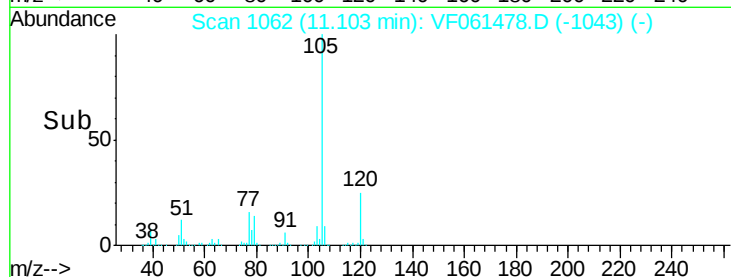
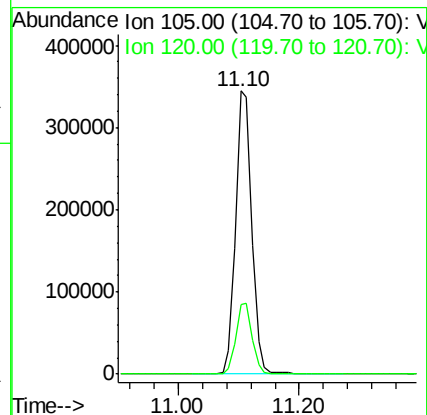
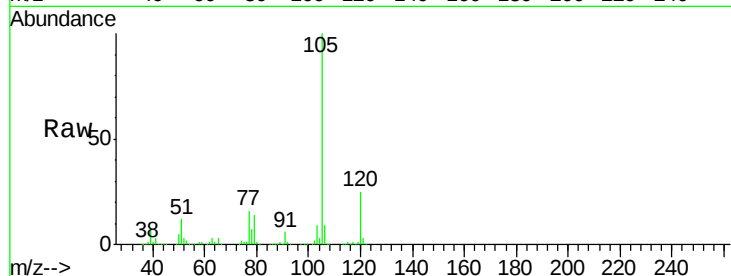
120 24.8 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.761 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion: 43 Resp: 146186

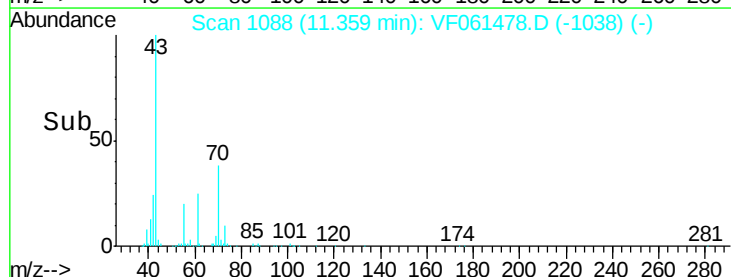
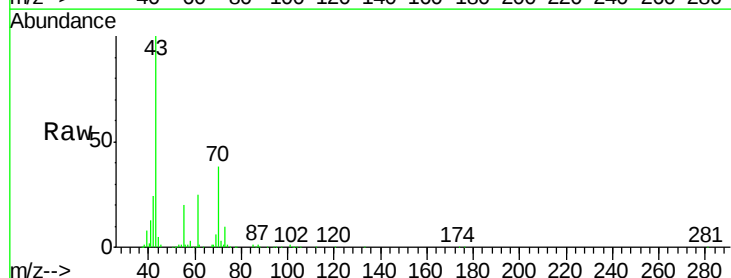
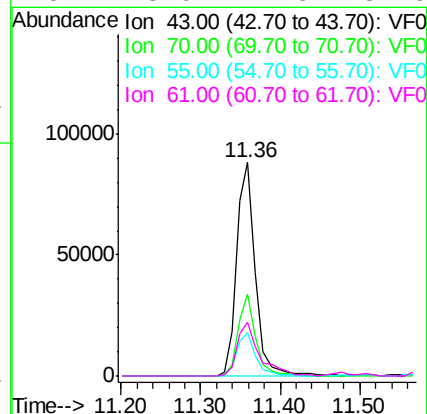
Ion Ratio Lower Upper

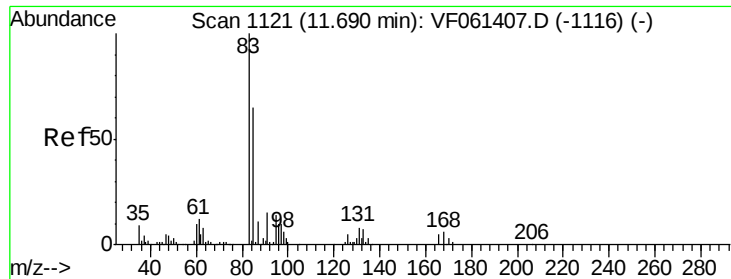
43 100

70 38.3 27.6 41.4

55 20.2 15.4 23.2

61 25.0 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.612 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

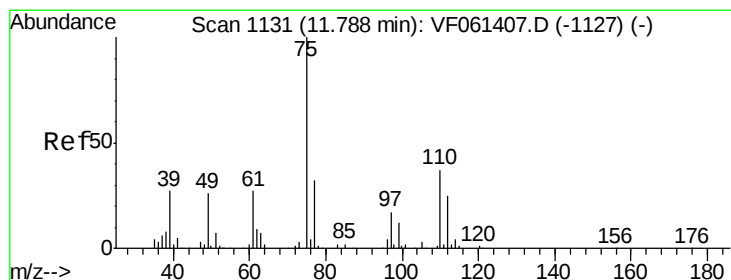
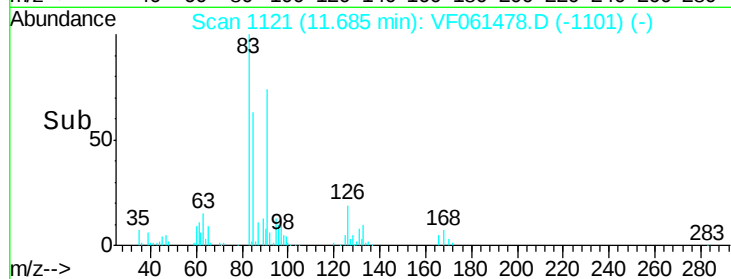
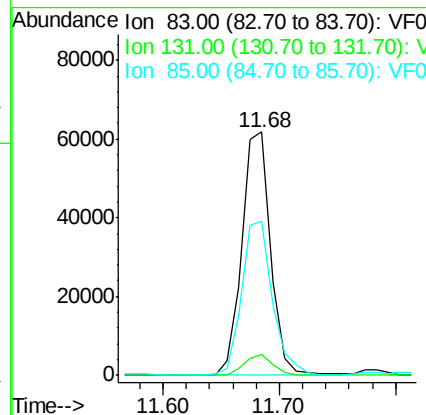
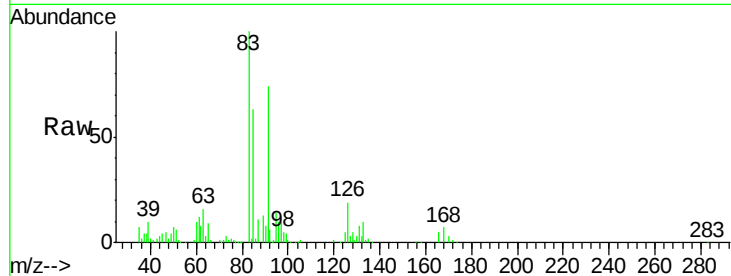
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105732
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.0	12.2
85	63.0	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 51.819 ug/l

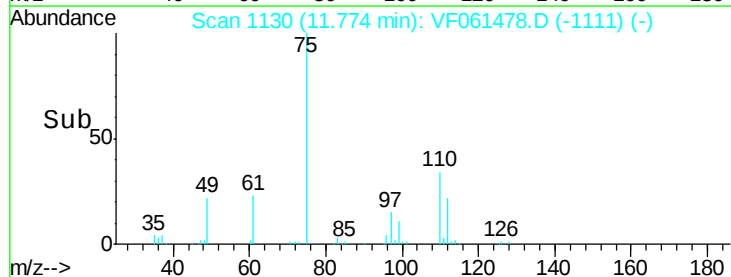
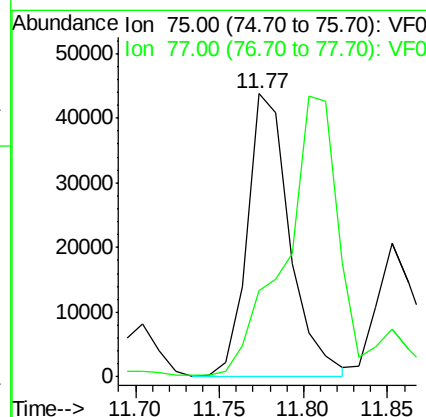
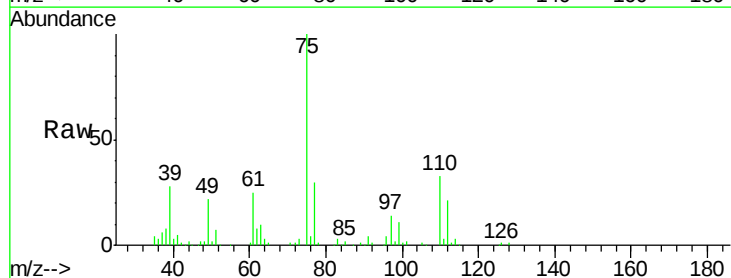
RT: 11.77 min Scan# 1130

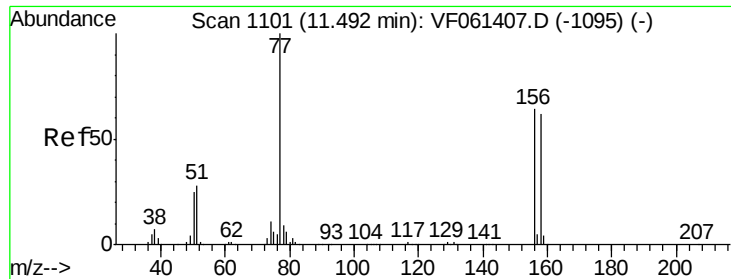
Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	75	Resp:	76278
Ion Ratio	Lower	Upper	
75	100		
77	30.5	16.1	48.3





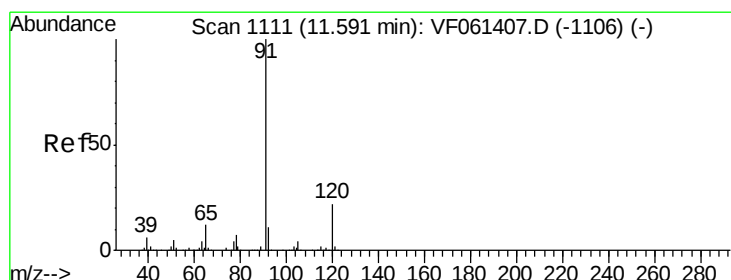
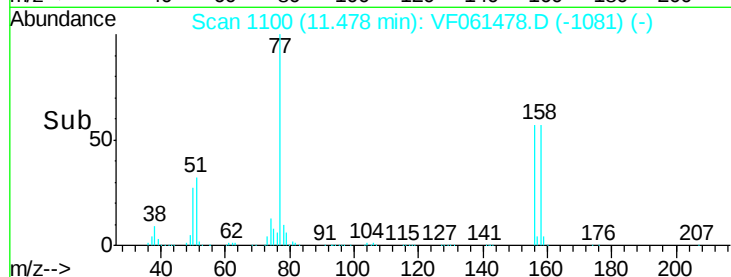
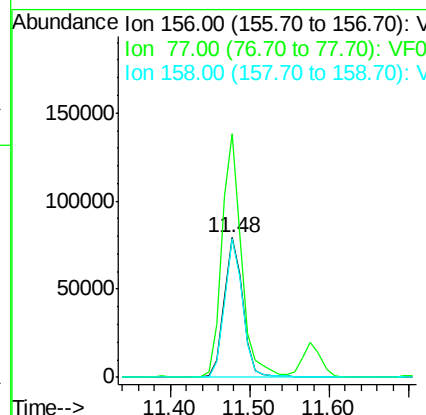
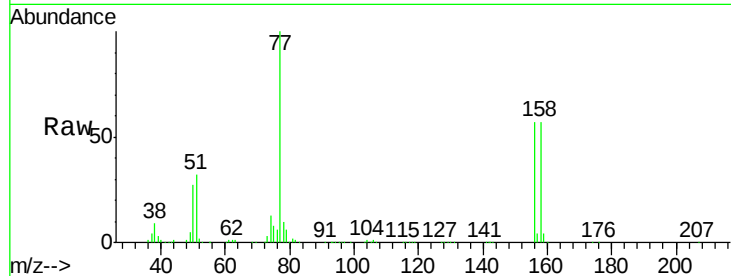
#77
Bromobenzene
Concen: 54.490 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.3	78.3	234.9
158	99.3	48.9	146.7

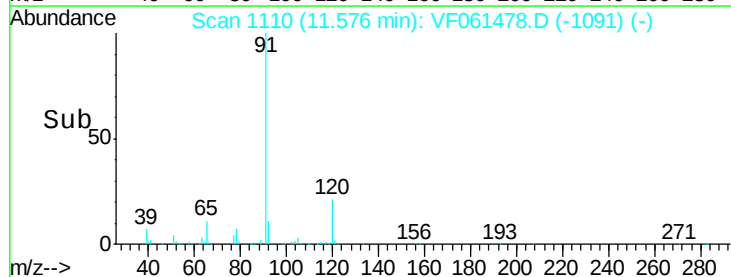
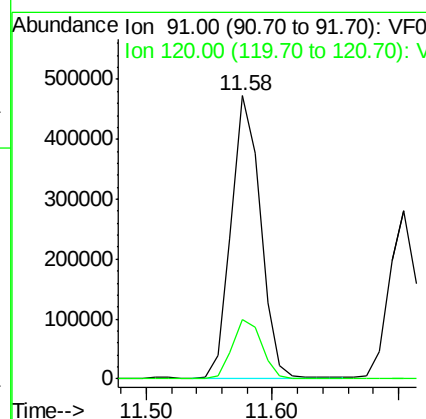
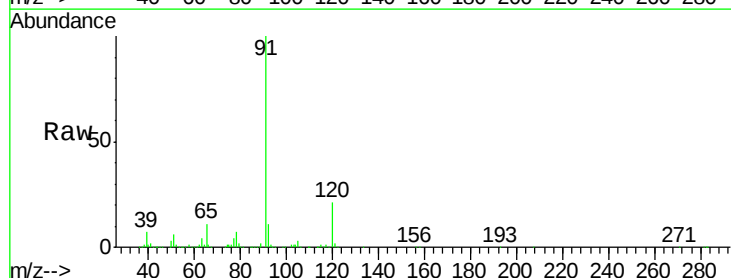
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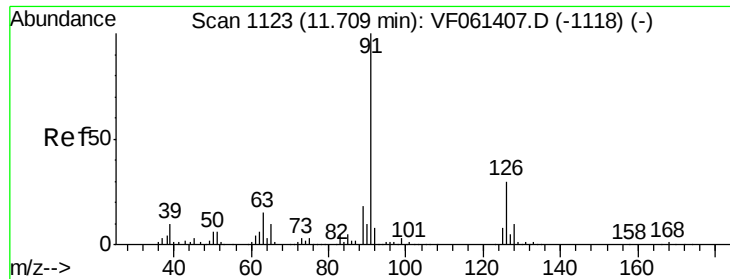
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#78
n-propylbenzene
Concen: 55.089 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6





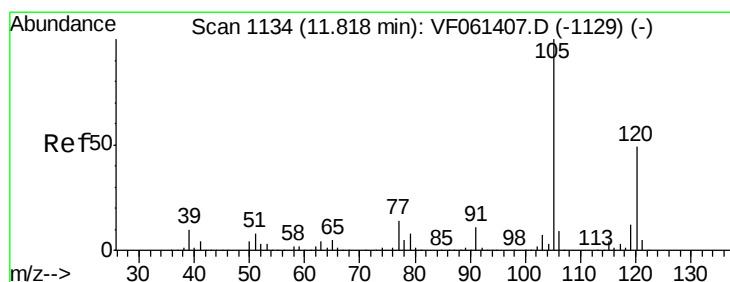
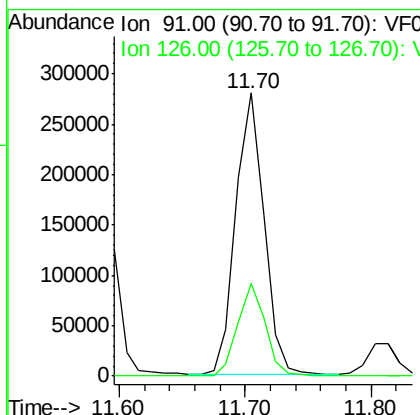
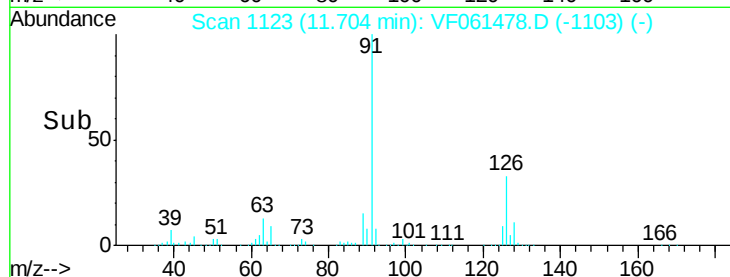
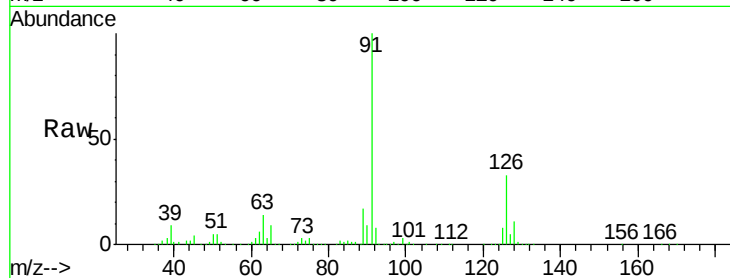
#79
2-Chlorotoluene
Concen: 54.367 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 433782
Ion Ratio Lower Upper
91 100
126 32.8 15.0 45.1

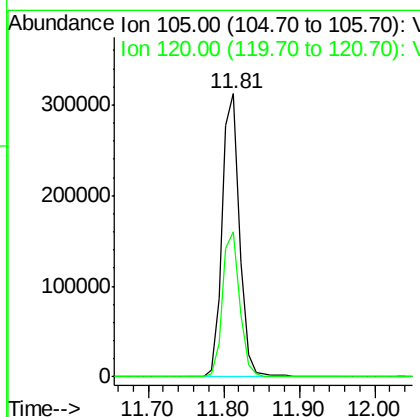
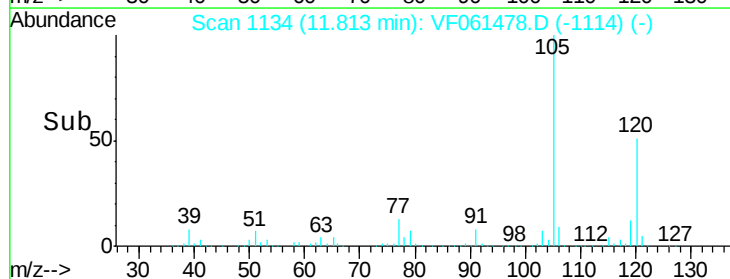
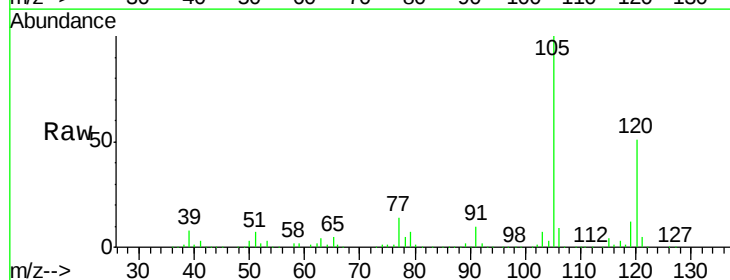
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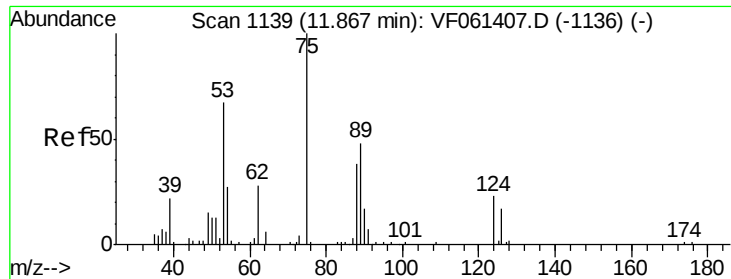
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#80
1,3,5-Trimethylbenzene
Concen: 54.382 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 105 Resp: 504675
Ion Ratio Lower Upper
105 100
120 51.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.202 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 32764

Ion Ratio Lower Upper

75 100

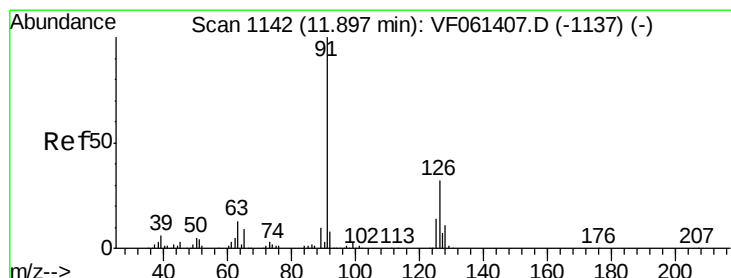
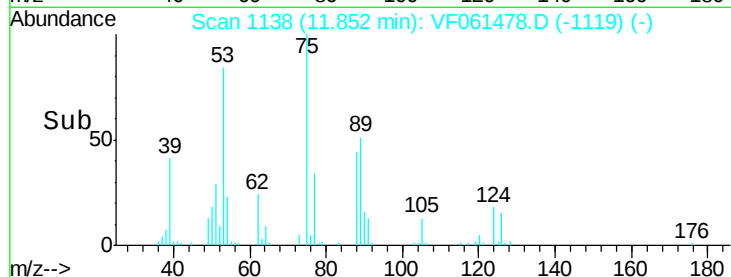
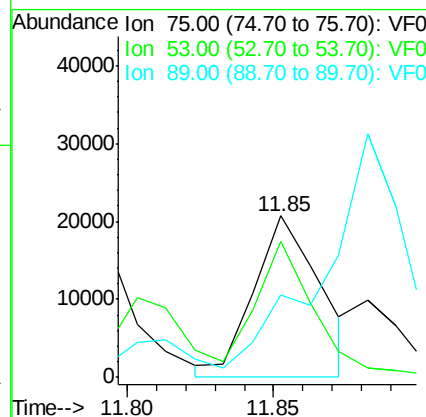
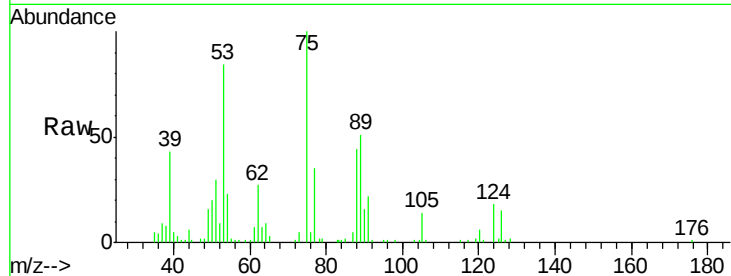
53 84.3 57.8 86.6

89 51.1 40.7 61.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.918 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061478.D

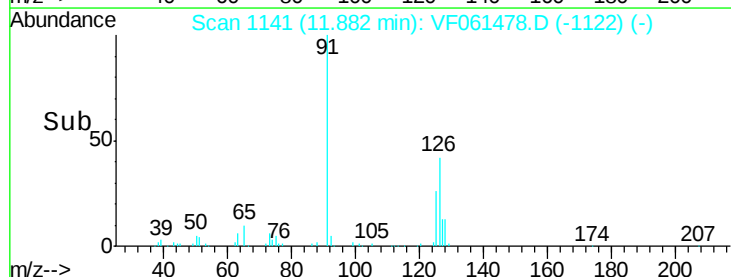
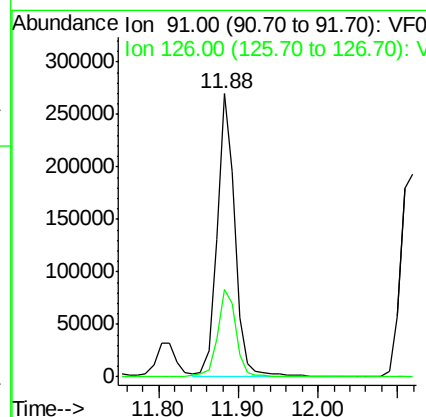
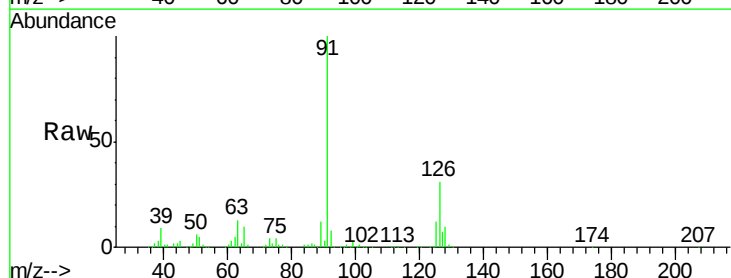
Acq: 23 Jan 2019 10:29

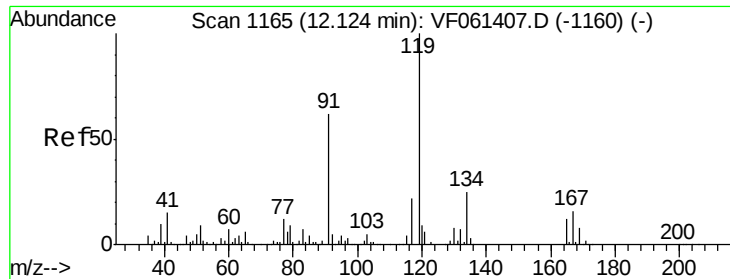
Tgt Ion: 91 Resp: 418009

Ion Ratio Lower Upper

91 100

126 31.1 16.0 47.9





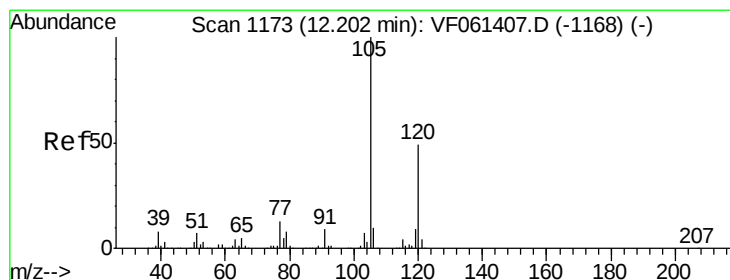
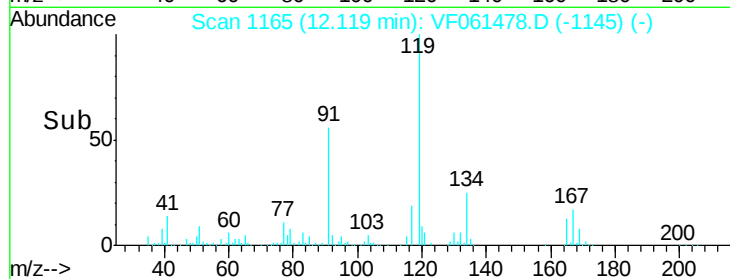
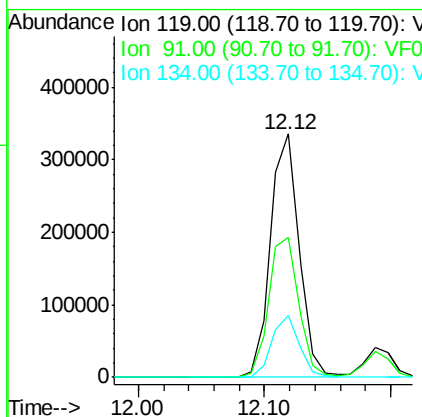
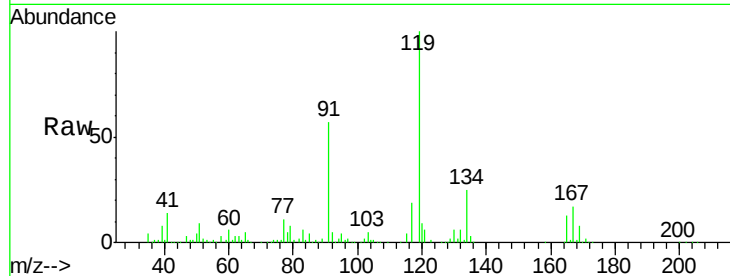
#83
 tert-Butylbenzene
 Concen: 55.386 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	532000		
91	57.5		31.3	93.8
134	25.3		12.4	37.0

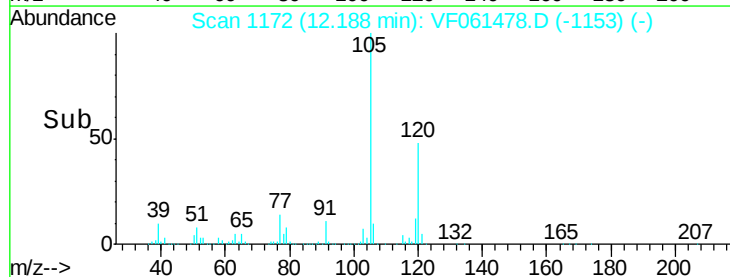
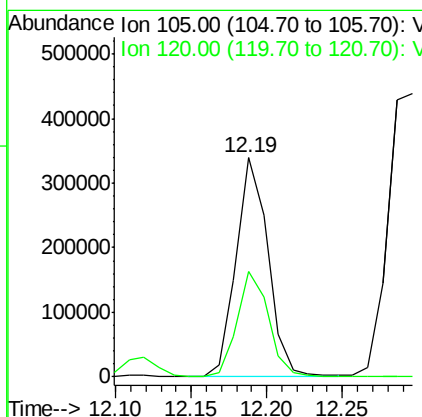
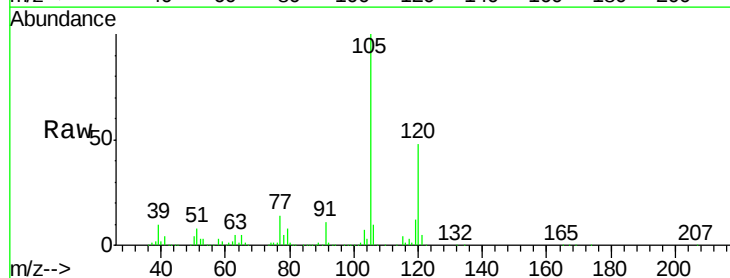
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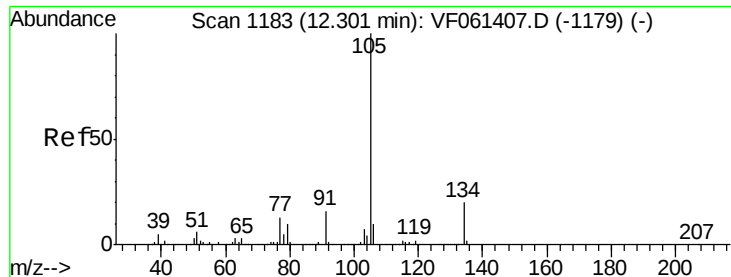
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.258 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	499539		
120	47.9		24.9	74.6





#85

sec-Butylbenzene

Concen: 55.568 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 724841

Ion Ratio Lower Upper

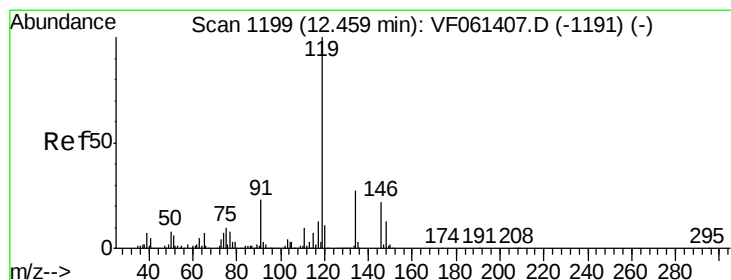
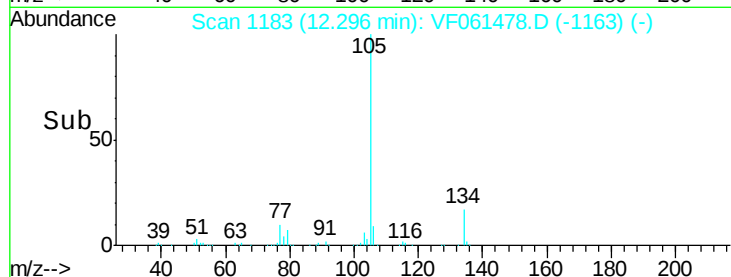
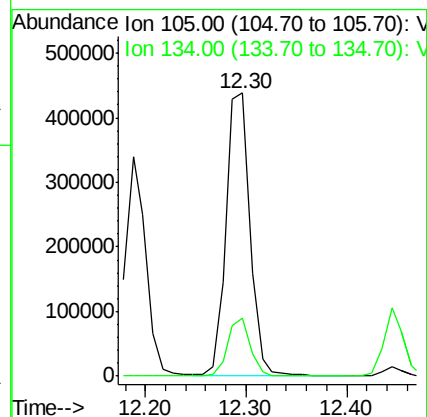
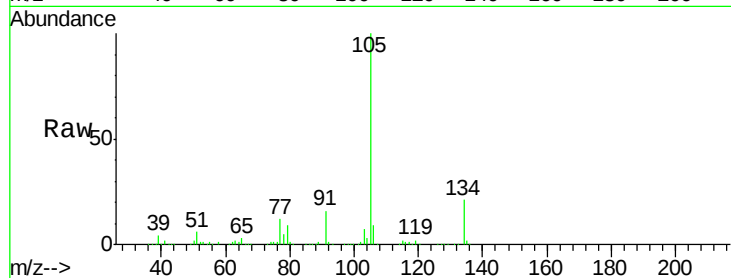
105 100

134 20.5 10.0 30.0

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.500 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

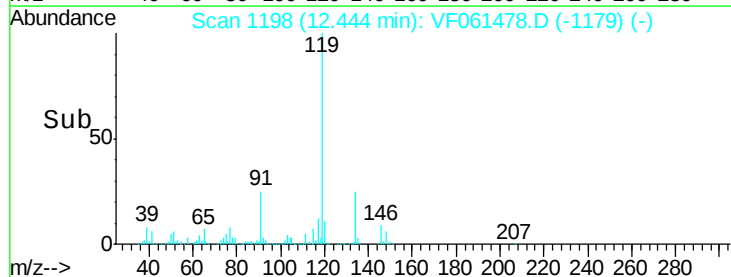
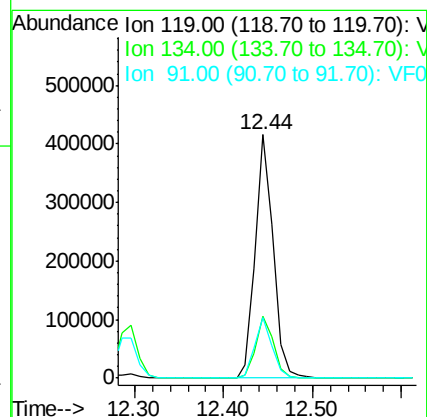
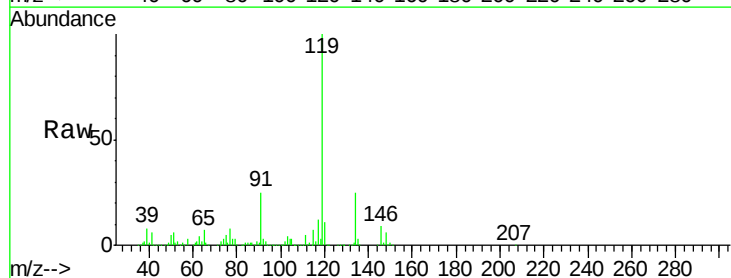
Tgt Ion:119 Resp: 572868

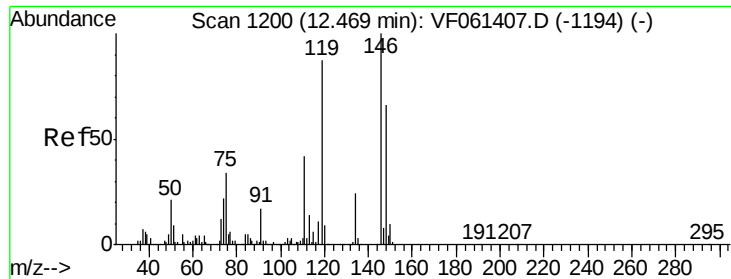
Ion Ratio Lower Upper

119 100

134 25.4 13.4 40.2

91 24.7 11.4 34.2





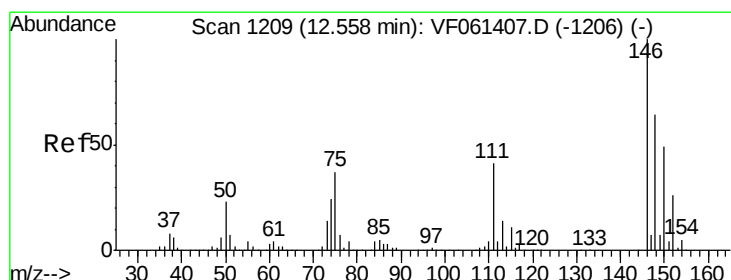
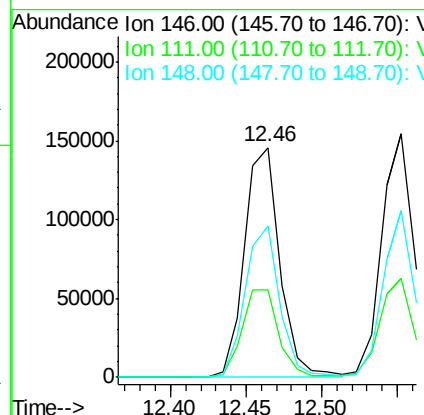
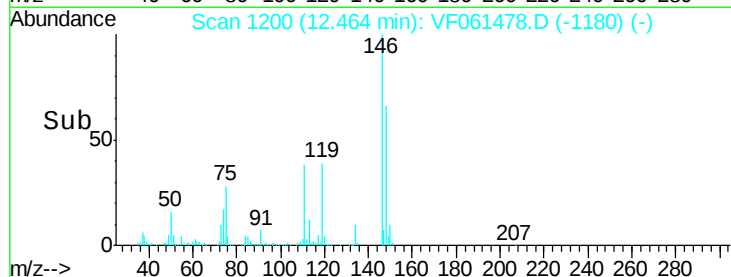
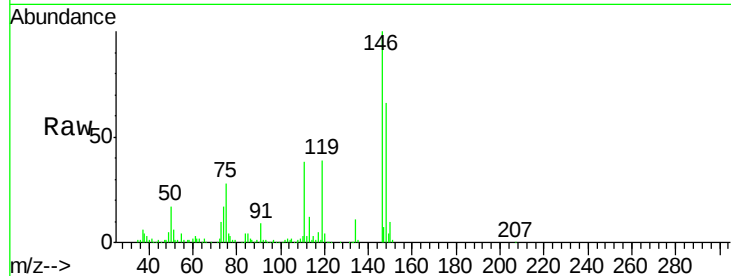
#87
 1,3-Dichlorobenzene
 Concen: 49.016 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.1	63.4
148	65.8	32.9	98.6

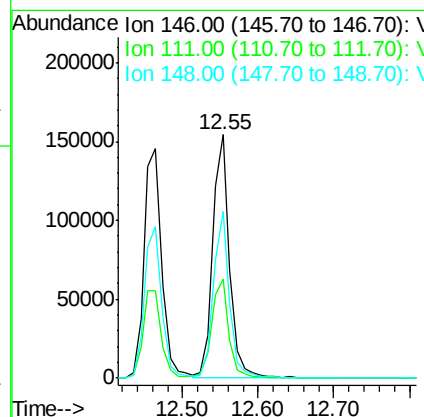
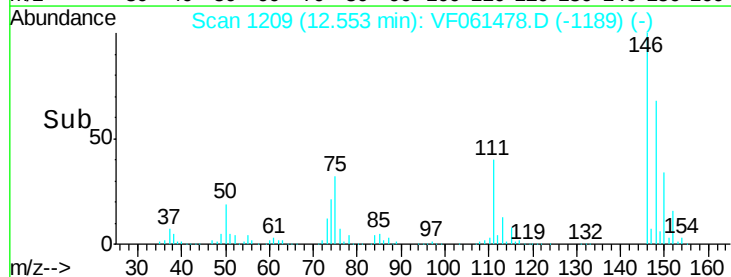
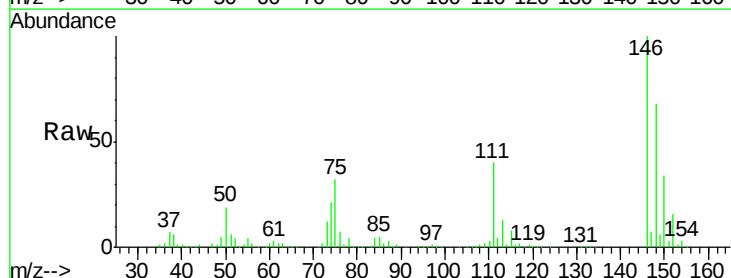
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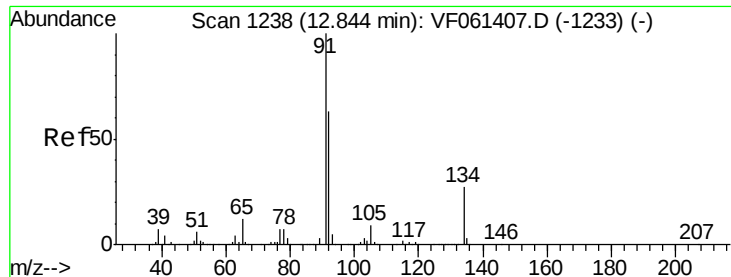
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#88
 1,4-Dichlorobenzene
 Concen: 52.492 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.2
148	68.4	32.1	96.5





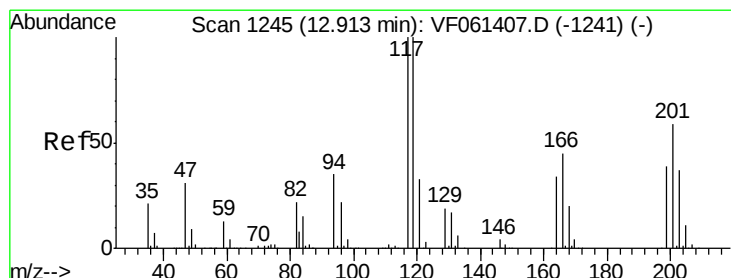
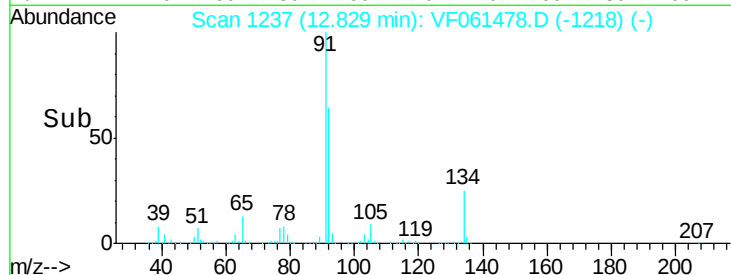
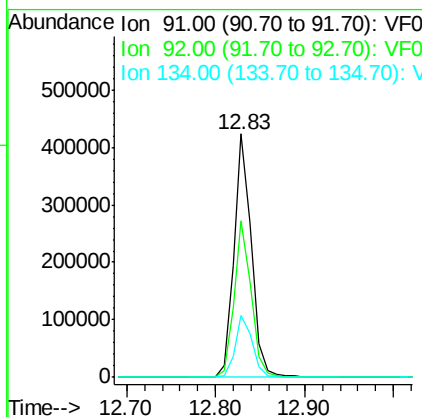
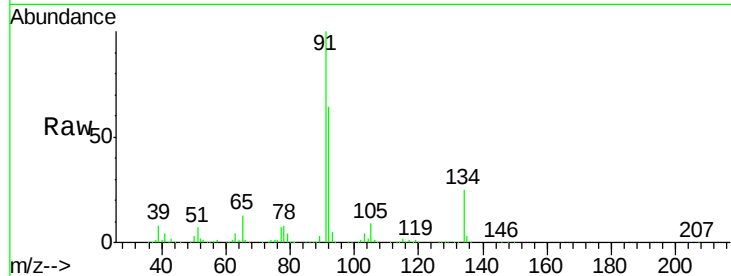
#89
n-Butylbenzene
Concen: 53.230 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	587824		
92	64.4		31.6	94.7
134	25.3		13.6	40.8

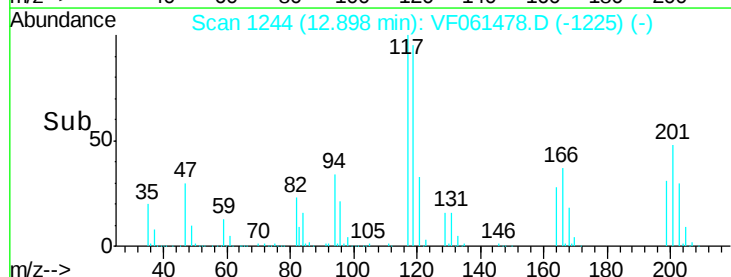
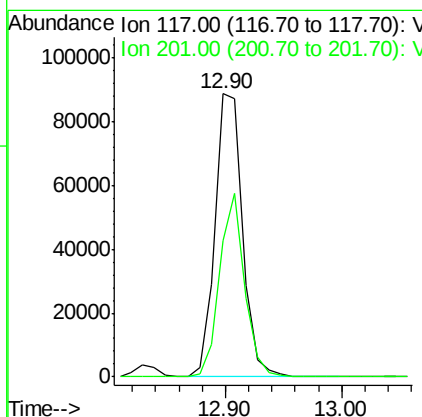
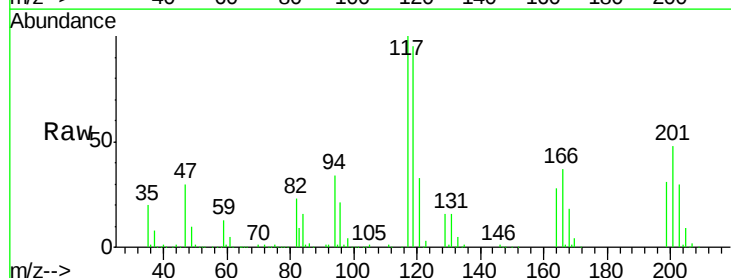
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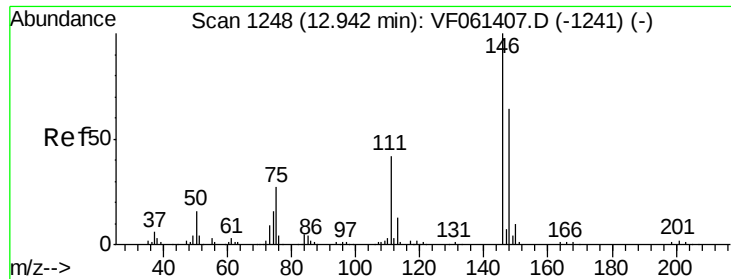
MMDadoda
1/24/2019 12:56:35 PM



#90
Hexachloroethane
Concen: 57.654 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	145524		
201	48.1		29.3	87.8





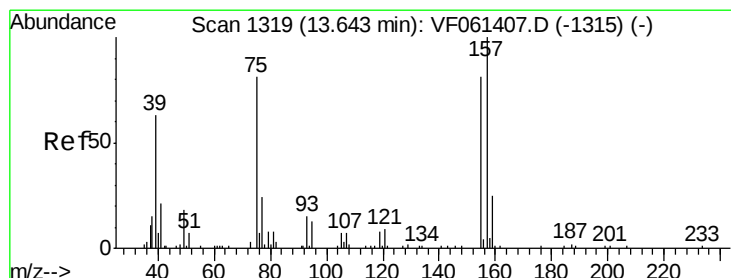
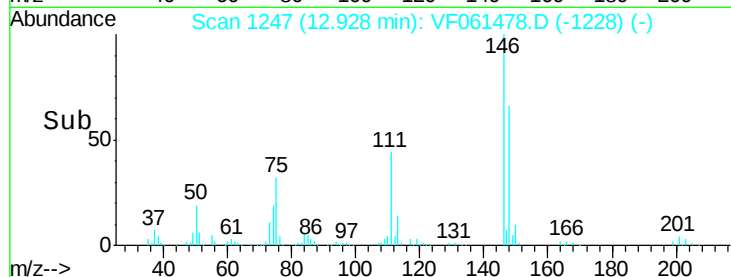
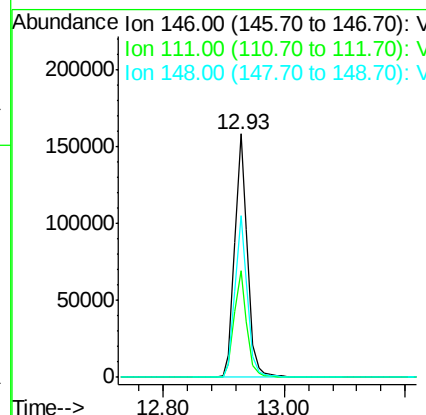
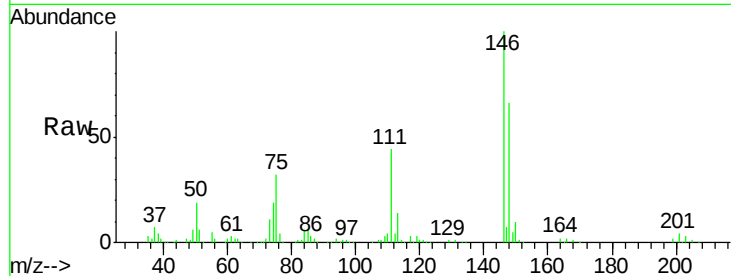
#91
 1,2-Dichlorobenzene
 Concen: 51.036 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	231860		
111	43.6	21.1	63.3	
148	66.2	31.9	95.7	

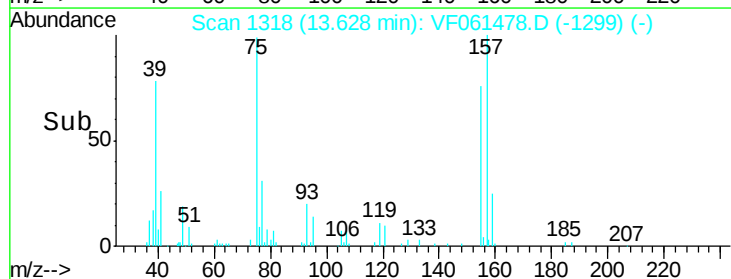
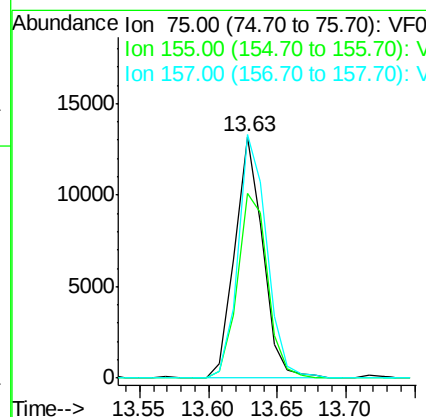
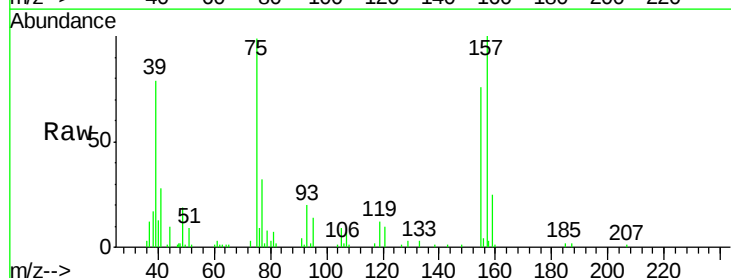
Manual Integrations
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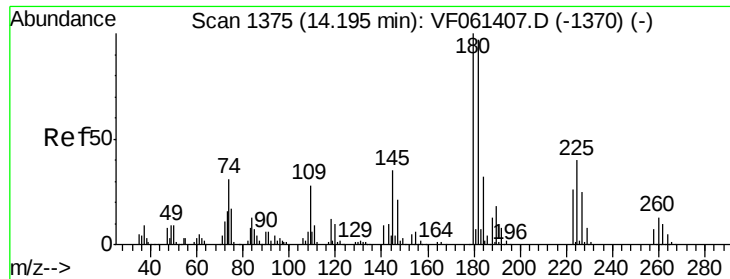
MMDadoda
 1/24/2019 12:56:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.655 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18769		
155	76.6	49.7	149.1	
157	100.8	61.4	184.1	





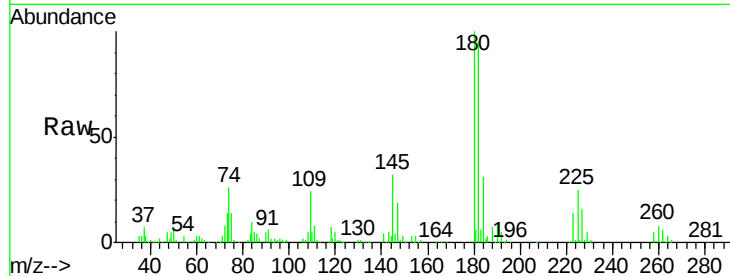
#93
 1,2,4-Trichlorobenzene
 Concen: 51.549 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

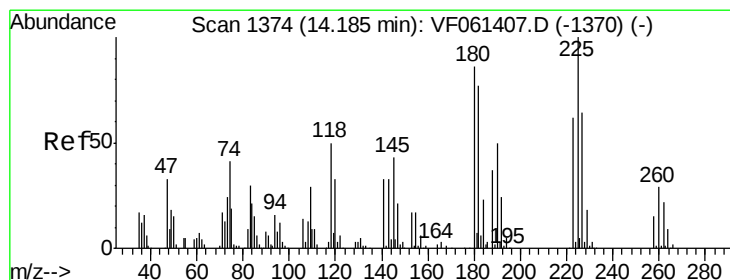
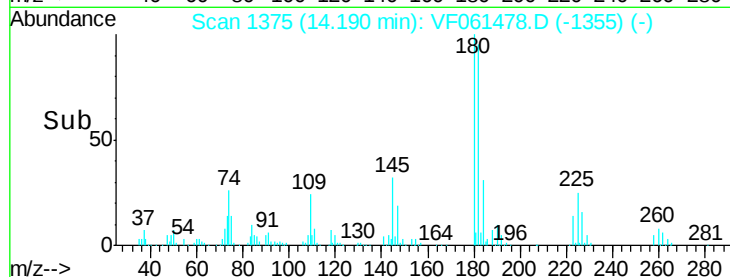
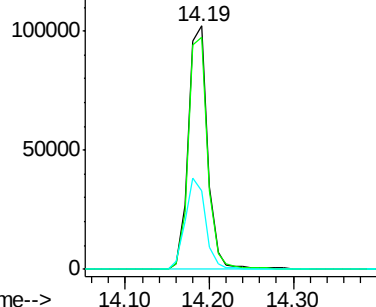
Tot Ion	Ratio	Resp	Lower	Upper
180	100	164057		
182	95.2	48.5	145.6	
145	32.2	17.5	52.6	

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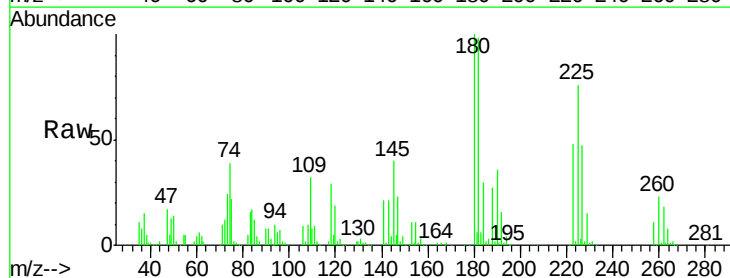


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

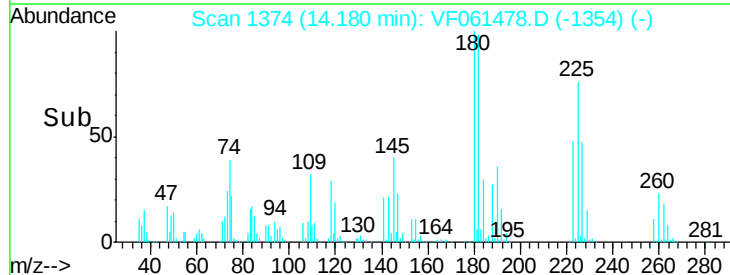
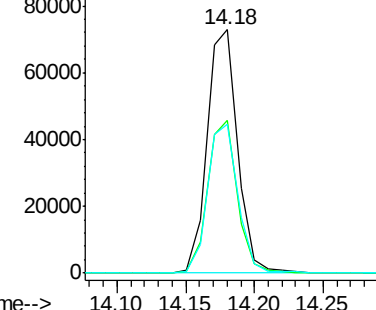


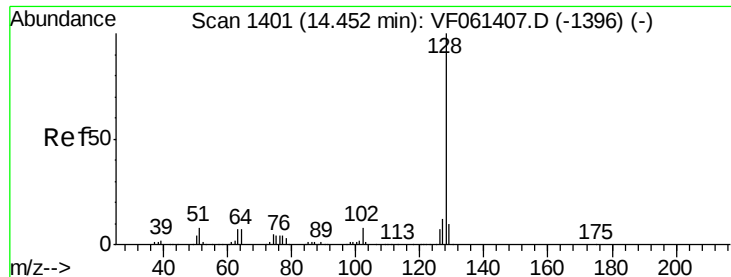
#94
 Hexachlorobutadiene
 Concen: 56.796 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112163		
223	62.7	31.1	93.2	
227	61.3	32.2	96.6	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 48.476 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

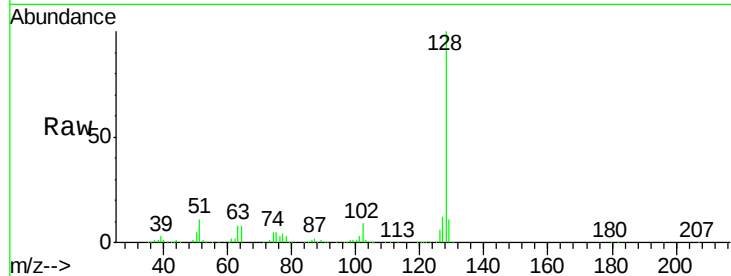
ClientSampleId :

VSTDCCC050

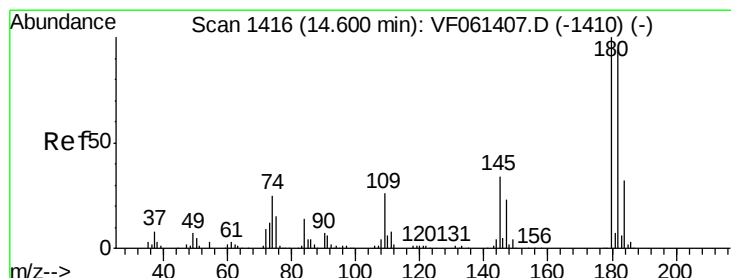
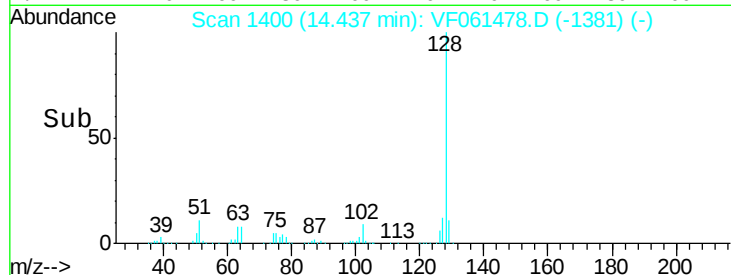
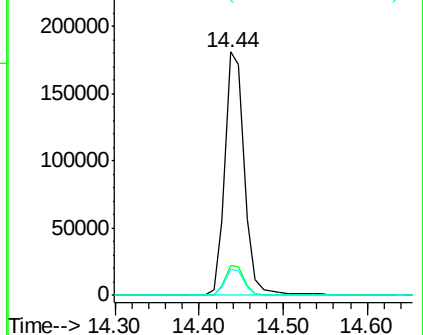
Tot Ion:	128	Resp:	293113
Ion Ratio		Lower	Upper
128	100		
127	12.4	9.5	14.3
129	10.9	8.4	12.6

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.221 ug/l

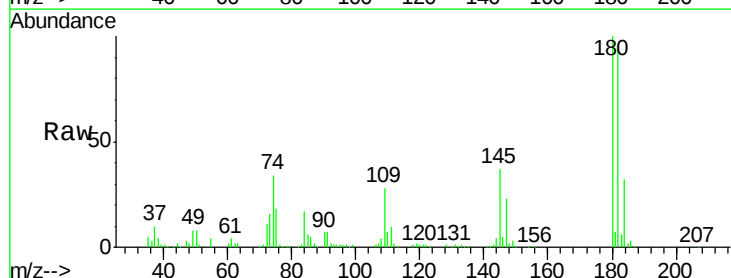
RT: 14.58 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion:	180	Resp:	147954
Ion Ratio		Lower	Upper
180	100		
182	95.8	47.0	141.2
145	36.6	17.1	51.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

