

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061450.D
 Acq On : 17 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 6.50q/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:42:50 PM

Quant Time: Jan 18 04:15:34 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	4.86	168	183982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	321289	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	298201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141431	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112503	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
35) Dibromofluoromethane	4.10	113	125292	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
50) Toluene-d8	7.54	98	360297	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.40	95	161486	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	175187	48.461	ug/l	92
3) Chloromethane	1.09	50	129887	49.002	ug/l	94
4) Vinyl Chloride	1.13	62	119124	50.522	ug/l	98
5) Bromomethane	1.32	94	76538	49.779	ug/l	91
6) Chloroethane	1.39	64	47947	45.892	ug/l	95
7) Trichlorofluoromethane	1.47	101	203755	44.451	ug/l	97
8) Diethyl Ether	1.62	74	30755	52.363	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	102816	46.681	ug/l	95
10) Methyl Iodide	1.90	142	168559m	49.365	ug/l	
11) Tert butyl alcohol	2.56	59	23267	241.991	ug/l	97
12) 1,1-Dichloroethene	1.78	96	85047	51.974	ug/l	94
13) Acrolein	2.00	56	24636	295.513	ug/l	97
14) Allyl chloride	2.09	41	120623	66.339	ug/l	93
15) Acrylonitrile	2.93	53	64862	263.363	ug/l	97
16) Acetone	2.22	43	120684	264.839	ug/l	99
17) Carbon Disulfide	1.81	76	253062	49.599	ug/l	98
18) Methyl Acetate	2.34	43	46614	51.581	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	171640	46.791	ug/l	97
20) Methylene Chloride	2.17	84	83322m	54.006	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	86495	48.043	ug/l	95
22) Diisopropyl ether	2.79	45	299240	51.388	ug/l	99
23) Vinyl Acetate	3.17	43	693010	270.307	ug/l	99
24) 1,1-Dichloroethane	2.86	63	191022	52.267	ug/l	98
25) 2-Butanone	4.32	43	205473	271.148	ug/l	97
26) 2,2-Dichloropropane	3.58	77	100819	44.899	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	138200	52.002	ug/l	96
28) Bromochloromethane	3.70	49	84079	51.179	ug/l #	99
29) Tetrahydrofuran	4.05	42	79386	243.292	ug/l	97
30) Chloroform	3.84	83	253523	51.400	ug/l	99
31) Cyclohexane	3.67	56	189525	51.914	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	168390	46.561	ug/l	96
36) 1,1-Dichloropropene	4.27	75	187633	50.369	ug/l	96
37) Ethyl Acetate	4.10	43	73609	49.433	ug/l #	77
38) Carbon Tetrachloride	3.98	117	154640	47.484	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	201809	49.989	ug/l	99
40) Benzene	4.62	78	429079	51.764	ug/l	99
41) Methacrylonitrile	4.73	41	40429	51.025	ug/l	94
42) 1,2-Dichloroethane	4.93	62	141819	48.012	ug/l	98
43) Isopropyl Acetate	6.94	43	99098	53.025	ug/l #	86
44) Trichloroethene	5.49	130	130162	51.188	ug/l	98
45) 1,2-Dichloropropane	6.22	63	112388	51.660	ug/l	94
46) Dibromomethane	6.07	93	72997	50.462	ug/l	92
47) Bromodichloromethane	6.37	83	185431	51.809	ug/l	99
48) Methyl methacrylate	6.70	41	66344	52.865	ug/l #	88
49) 1,4-Dioxane	6.69	88	9115	1043.522	ug/l	84
51) 4-Methyl-2-Pentanone	8.24	43	315086	229.331	ug/l	100
52) Toluene	7.61	92	274038	50.202	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	137935	48.534	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	191102	53.794	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	82776	53.400	ug/l	95
56) Ethyl methacrylate	8.61	69	93425	51.804	ug/l	96
57) 1,3-Dichloropropane	8.84	76	149415	51.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	50019	262.896	ug/l	98
59) 2-Hexanone	9.47	43	252000	263.028	ug/l	99
60) Dibromochloromethane	8.71	129	115728	51.067	ug/l	99
61) 1,2-Dibromoethane	8.97	107	89672	50.532	ug/l	92
64) Tetrachloroethene	8.13	164	105998	47.268	ug/l	96
65) Chlorobenzene	9.78	112	306007	50.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	115939	47.993	ug/l	96
67) Ethyl Benzene	9.89	91	540487	48.783	ug/l	99
68) m/p-Xylenes	10.12	106	394356	98.962	ug/l	98
69) o-Xylene	10.70	106	218907	50.686	ug/l	97
70) Styrene	10.78	104	287564	48.642	ug/l	99
71) Bromoform	10.76	173	55281	50.931	ug/l	94
73) Isopropylbenzene	11.11	105	620461	53.940	ug/l	99
74) N-amyl acetate	11.36	43	145826	53.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	107523	52.471	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	76755	52.128	ug/l	95
77) Bromobenzene	11.49	156	132405	54.503	ug/l	99
78) n-propylbenzene	11.59	91	702170	50.137	ug/l	100
79) 2-Chlorotoluene	11.70	91	418691	52.460	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	492702	53.076	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	33021m	51.588	ug/l	
82) 4-Chlorotoluene	11.89	91	415326	51.569	ug/l	96
83) tert-Butylbenzene	12.12	119	503504	52.404	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	488792	51.118	ug/l	98
85) sec-Butylbenzene	12.30	105	656797	50.337	ug/l	98
86) p-Isopropyltoluene	12.45	119	562911	52.554	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	240490	49.773	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	238234	51.896	ug/l	99
89) n-Butylbenzene	12.83	91	573216	51.892	ug/l	97
90) Hexachloroethane	12.91	117	138316	54.782	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	229154	50.425	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18052	49.667	ug/l	65

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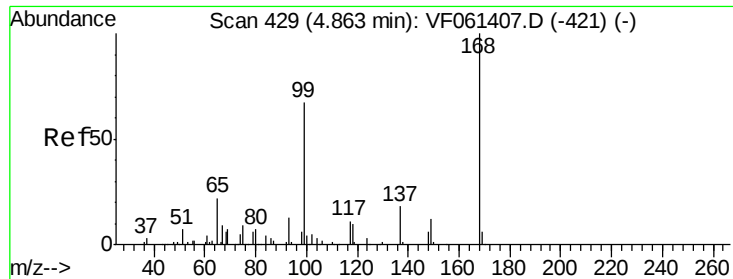
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	153487	48.213	ug/l	99
94) Hexachlorobutadiene	14.18	225	96119	48.657	ug/l	98
95) Naphthalene	14.45	128	288048	47.624	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	145682	49.435	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183982

Ion Ratio Lower Upper

168 100

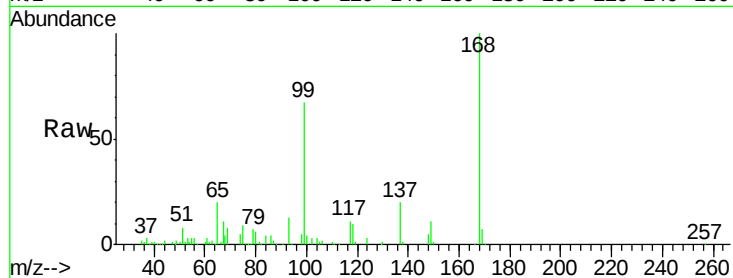
99 67.3 53.5 80.3

Manual Integrations

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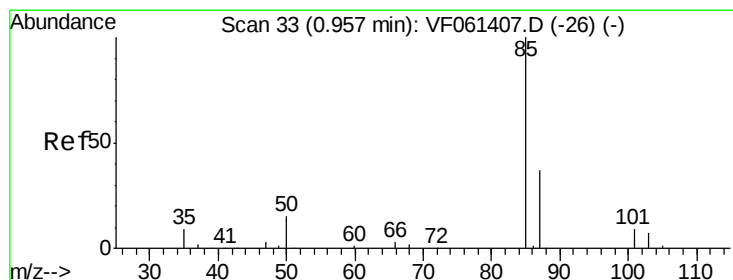
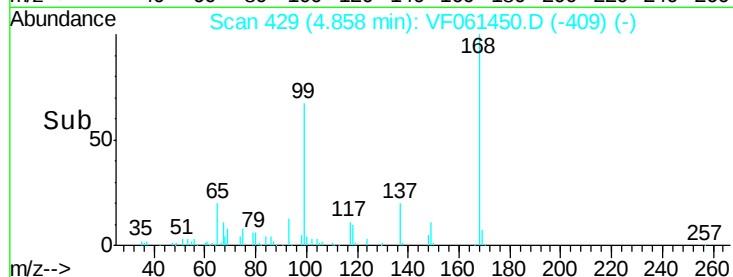
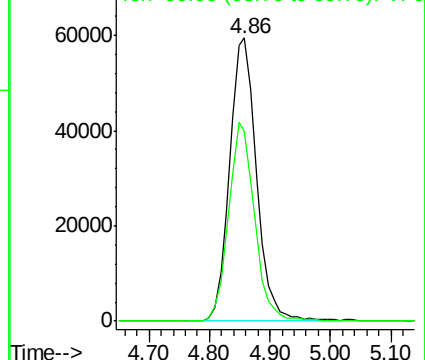
MMDadoda

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 48.461 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061450.D

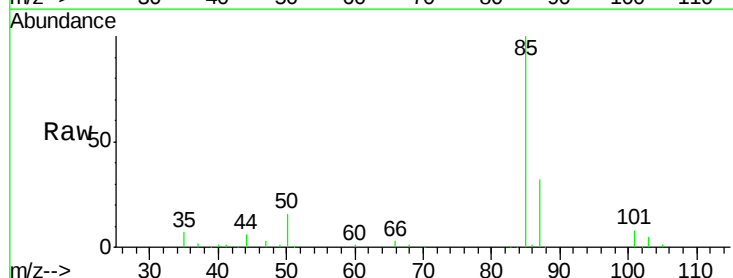
Acq: 17 Jan 2019 17:50

Tgt Ion: 85 Resp: 175187

Ion Ratio Lower Upper

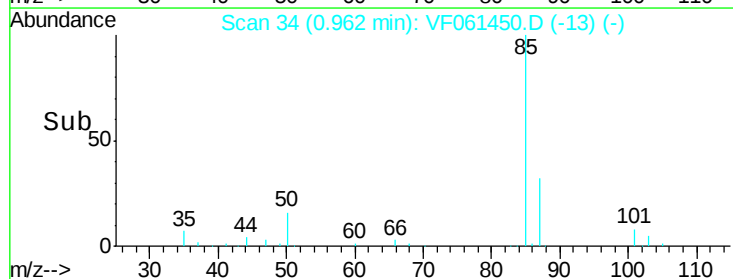
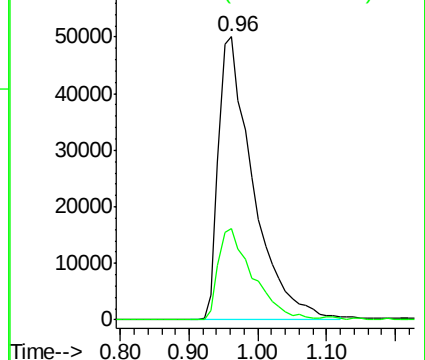
85 100

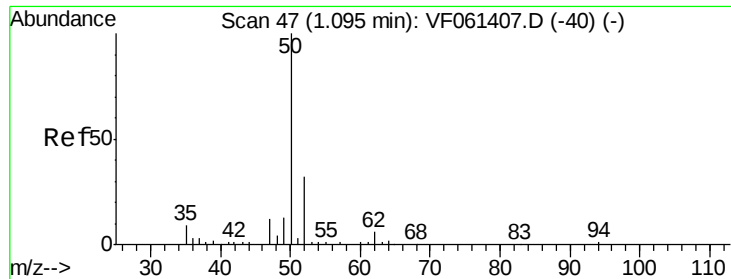
87 32.2 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 49.002 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129887

Ion Ratio Lower Upper

50 100

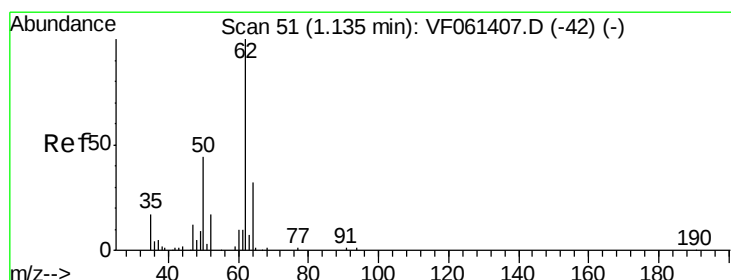
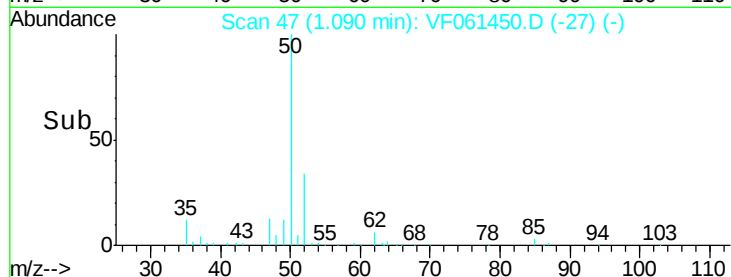
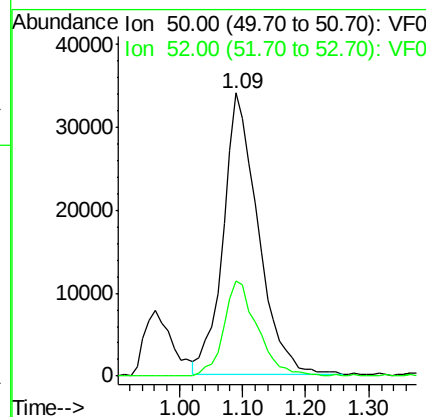
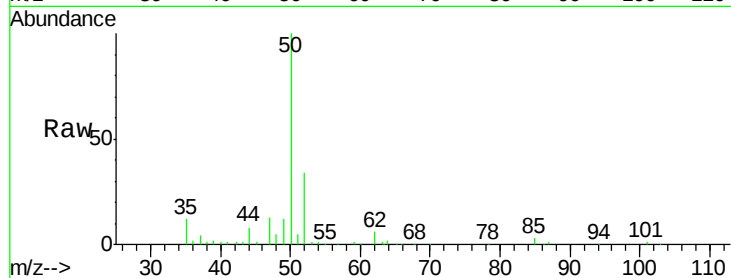
52 33.7 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.522 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061450.D

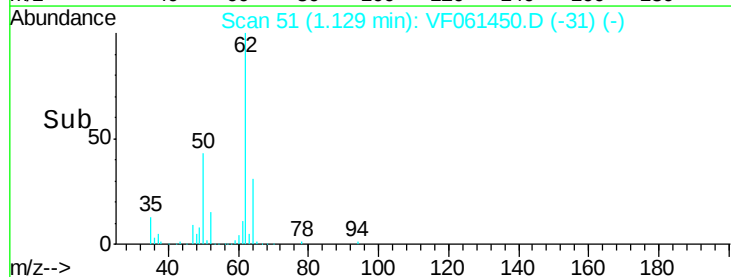
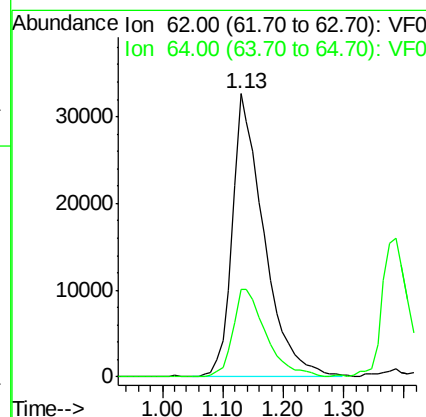
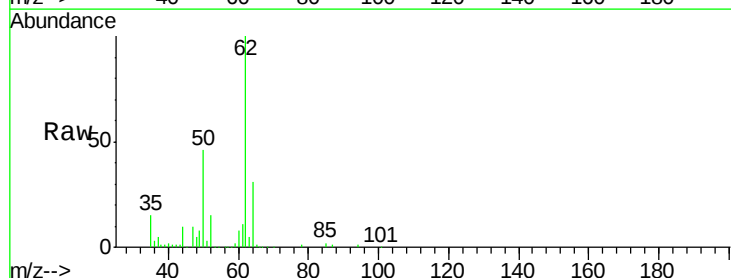
Acq: 17 Jan 2019 17:50

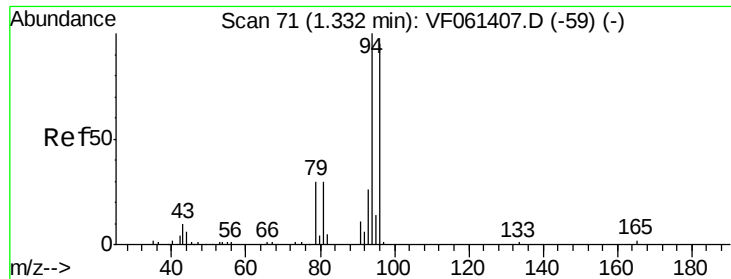
Tgt Ion: 62 Resp: 119124

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 49.779 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 76538

Ion Ratio Lower Upper

94 100

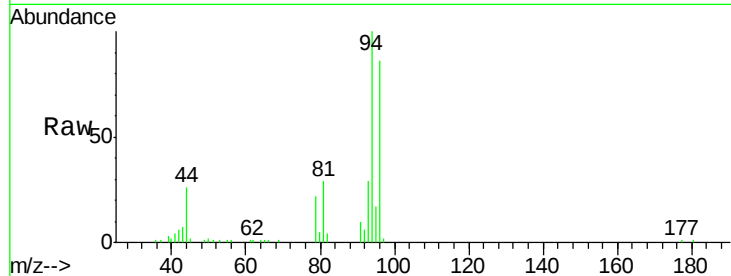
96 86.3 76.0 114.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

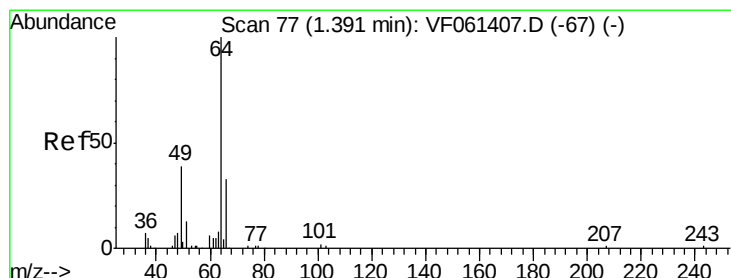
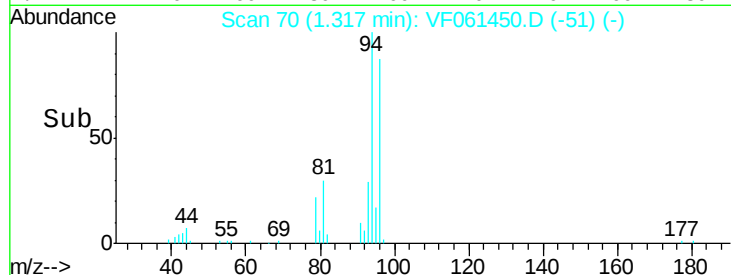
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 45.892 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061450.D

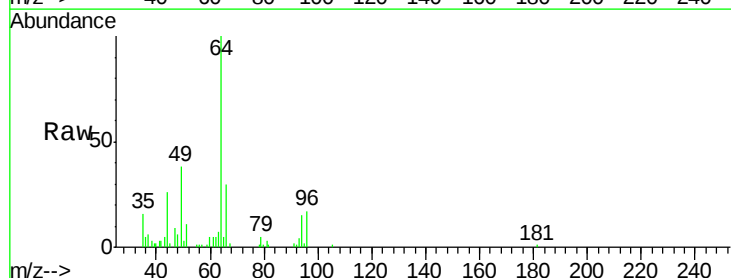
Acq: 17 Jan 2019 17:50

Tgt Ion: 64 Resp: 47947

Ion Ratio Lower Upper

64 100

66 30.4 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.39

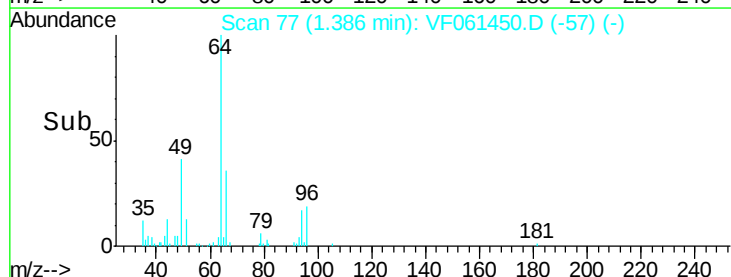
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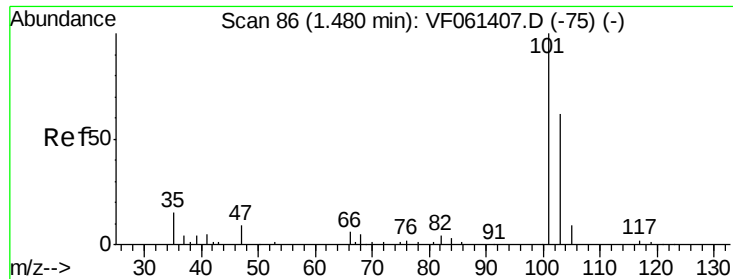
10000

5000

0

Time-->





#7

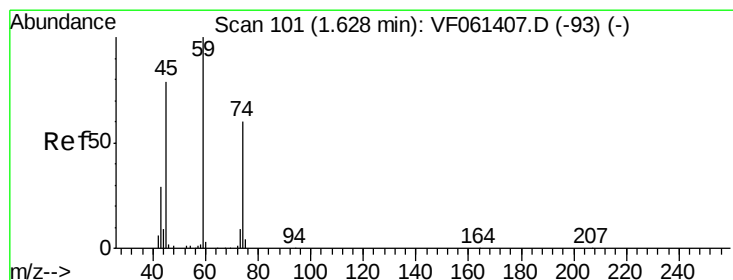
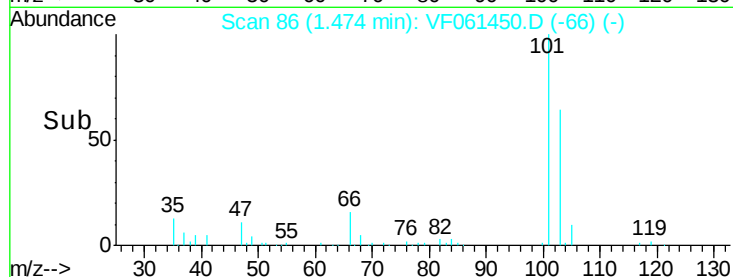
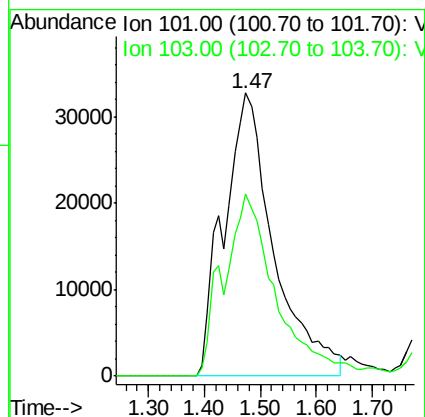
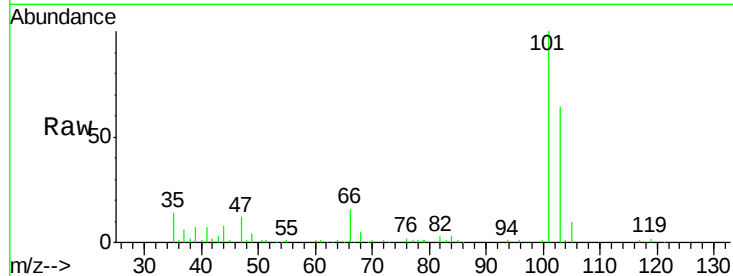
Trichlorofluoromethane
Concen: 44.451 ug/l
RT: 1.47 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061450.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	49.7	74.5

Manual Integrations
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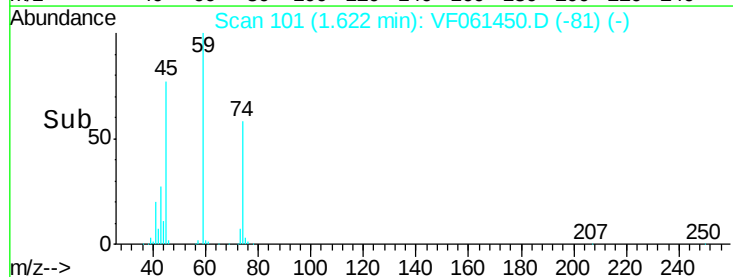
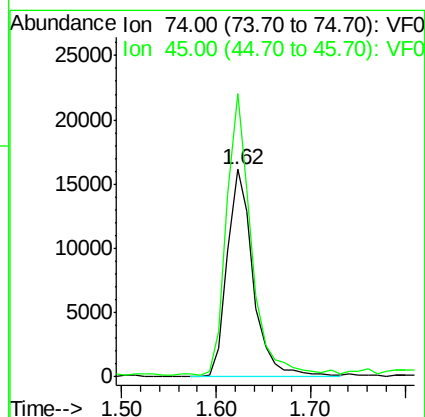
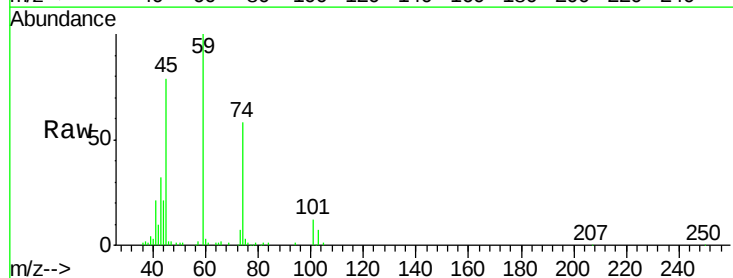
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1/18/2019 3:42:50 PM

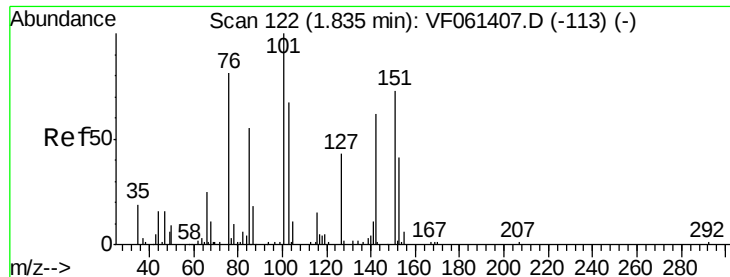


#8

Diethyl Ether
Concen: 52.363 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.4	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.681 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

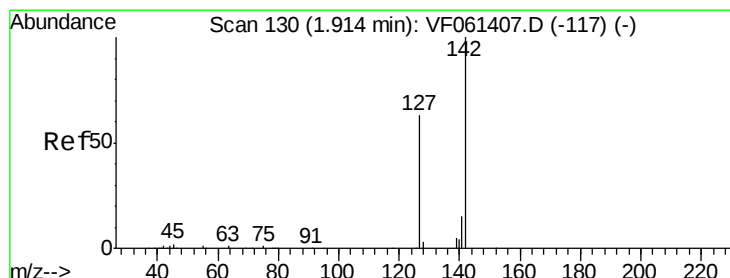
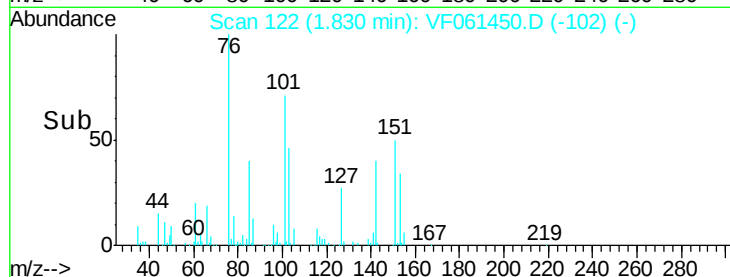
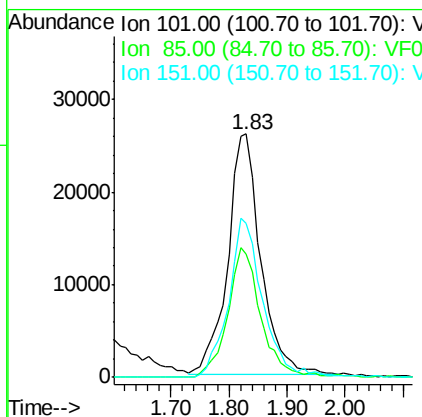
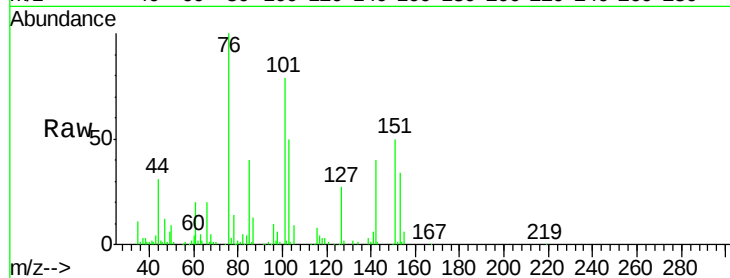
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	102816
Ion Ratio	Lower	Upper	
101	100		
85	50.7	41.9	62.9
151	63.2	55.1	82.7

Manual Integrations
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MMDadoda
1/18/2019 3:42:50 PM



#10

Methyl Iodide

Concen: 49.365 ug/l m

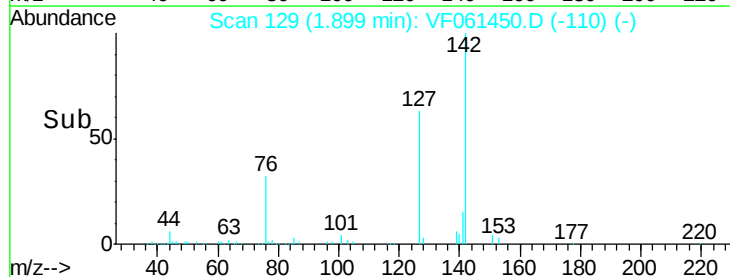
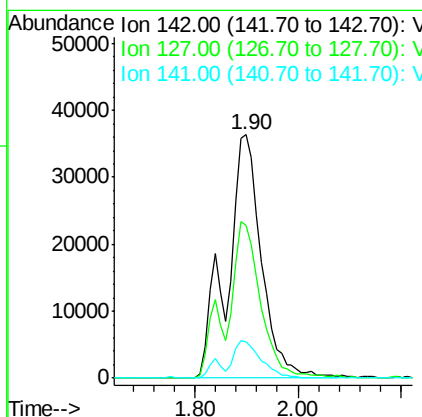
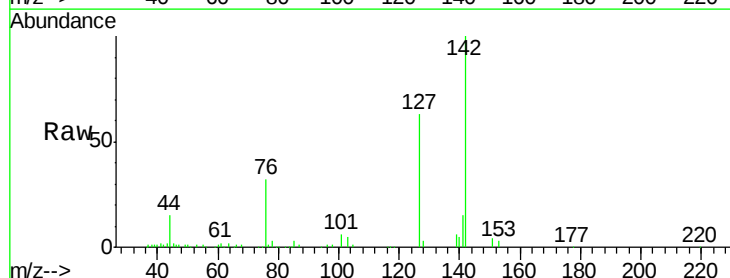
RT: 1.90 min Scan# 129

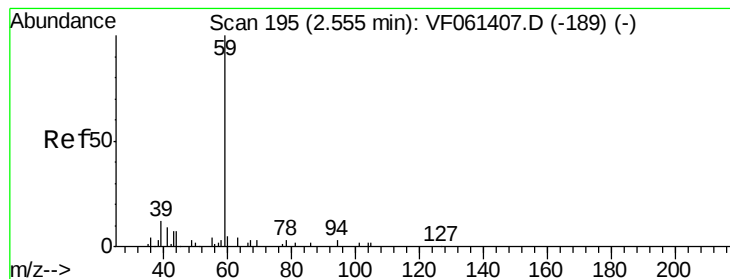
Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	142	Resp:	168559
Ion Ratio	Lower	Upper	
142	100		
127	62.6	50.7	76.1
141	14.7	11.8	17.6





#11

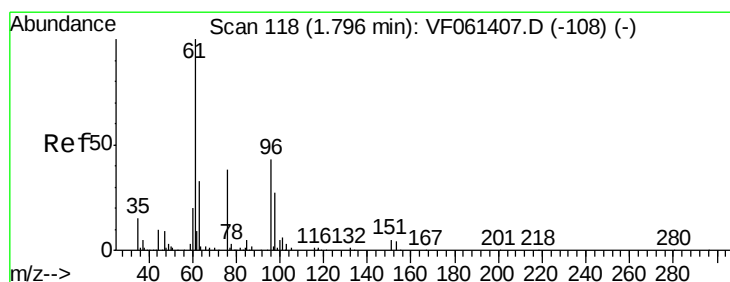
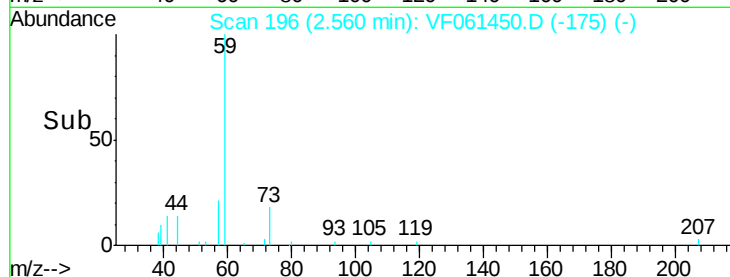
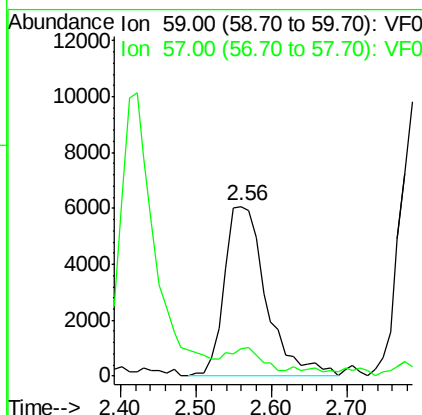
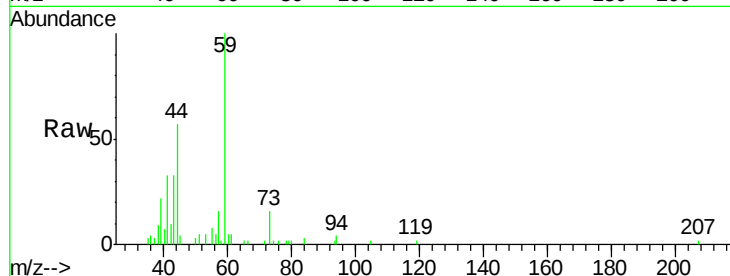
Tert butyl alcohol
Concen: 241.991 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	23267
Ion Ratio	100	Lower	Upper
57	16.0	11.9	17.9

Manual Integrations
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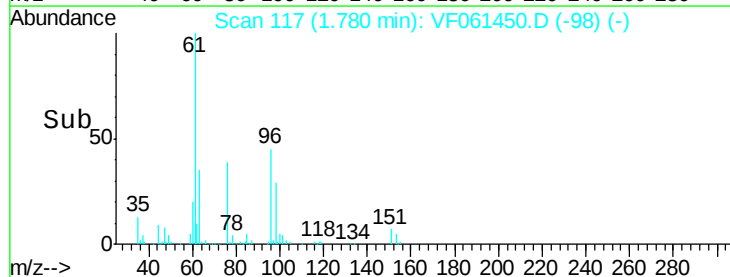
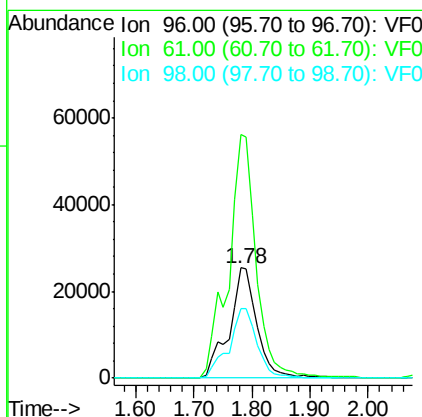
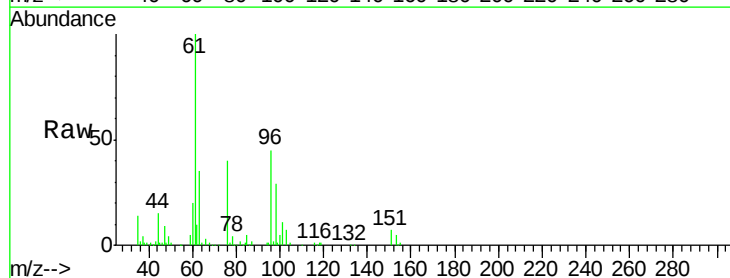
MMDadoda
1/18/2019 3:42:50 PM

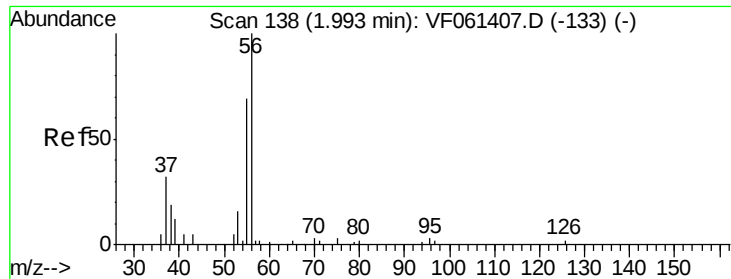


#12

1,1-Dichloroethene
Concen: 51.974 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	96	Resp	85047
Ion Ratio	100	Lower	Upper
61	221.4	186.9	280.3
98	63.6	53.0	79.4





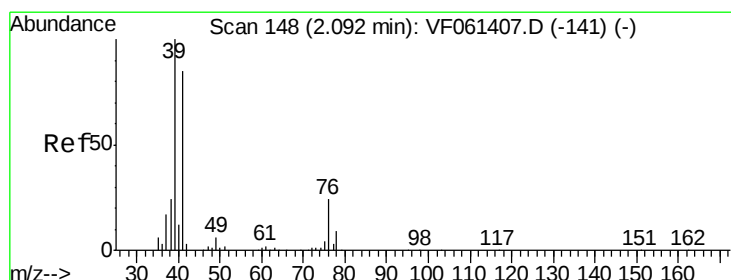
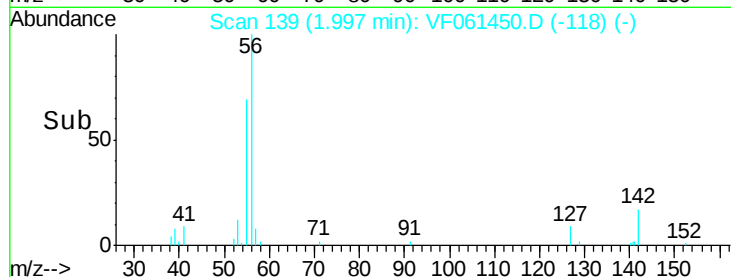
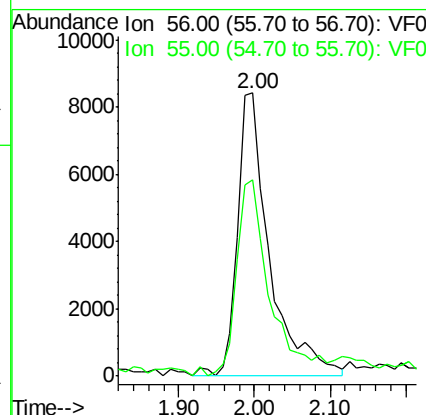
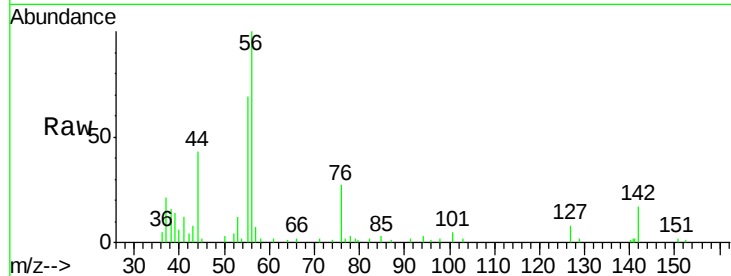
#13
Acrolein
Concen: 295.513 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 24636
Ion Ratio Lower Upper
56 100
55 69.4 57.5 86.3

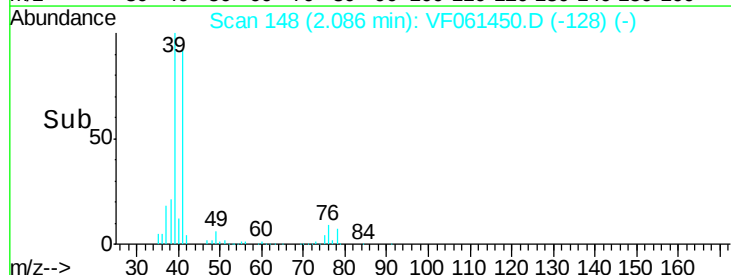
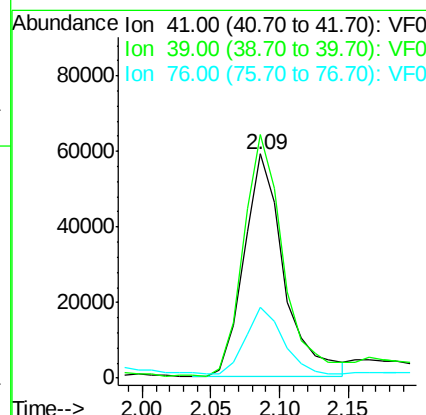
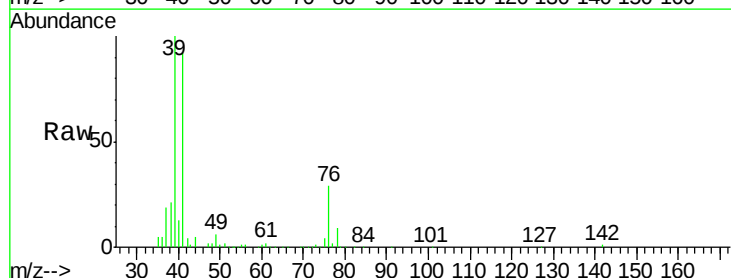
Manual Integrations
APPROVED

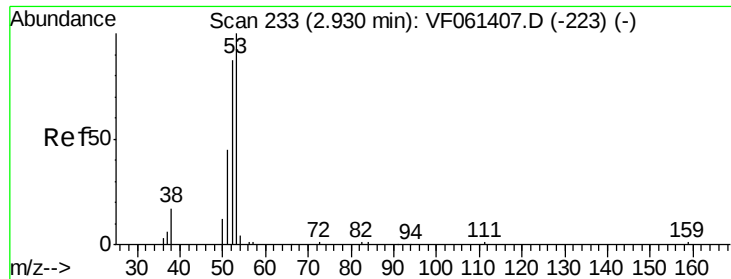
MMDadoda
1/18/2019 3:42:50 PM



#14
Allyl chloride
Concen: 66.339 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 41 Resp: 120623
Ion Ratio Lower Upper
41 100
39 108.7 94.6 141.8
76 31.8 25.9 38.9





#15

Acrylonitrile

Concen: 263.363 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

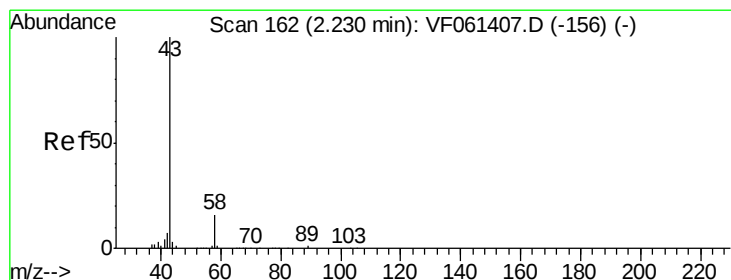
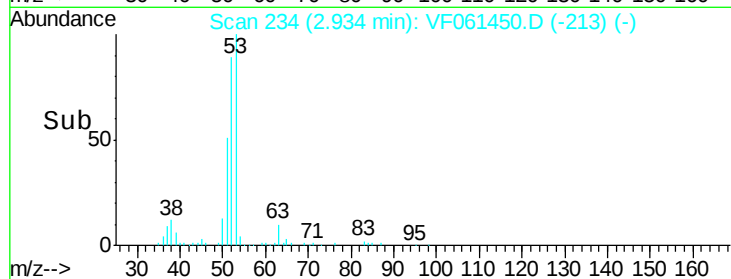
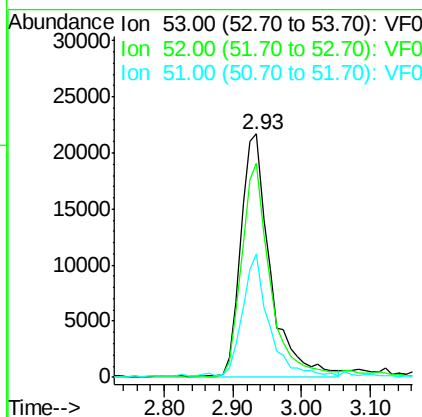
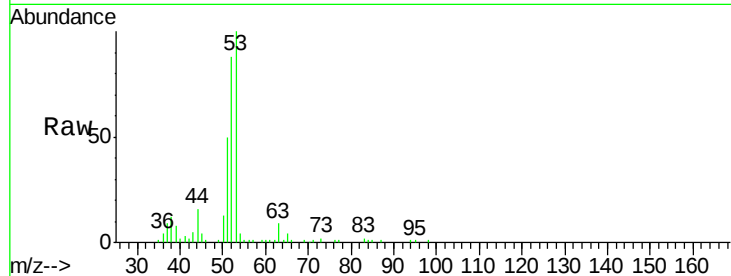
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	64862
Ion	Ratio	Lower	Upper
53	100		
52	88.1	69.6	104.4
51	50.4	36.8	55.2

Manual Integrations
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MMDadoda
1/18/2019 3:42:50 PM



#16

Acetone

Concen: 264.839 ug/l

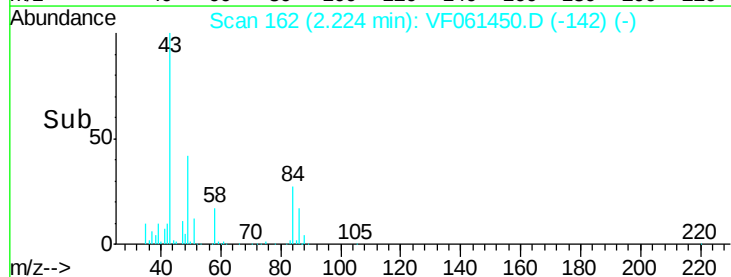
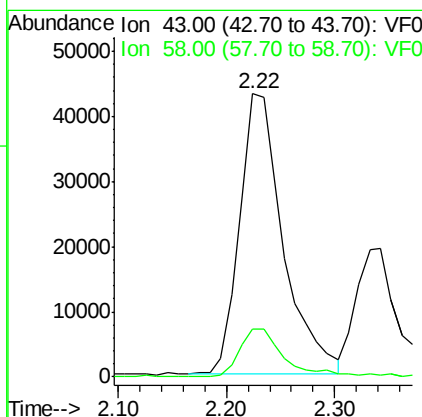
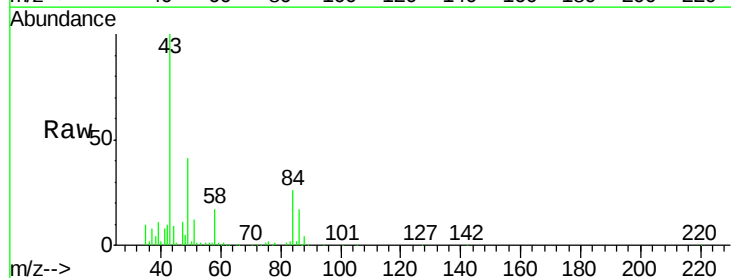
RT: 2.22 min Scan# 162

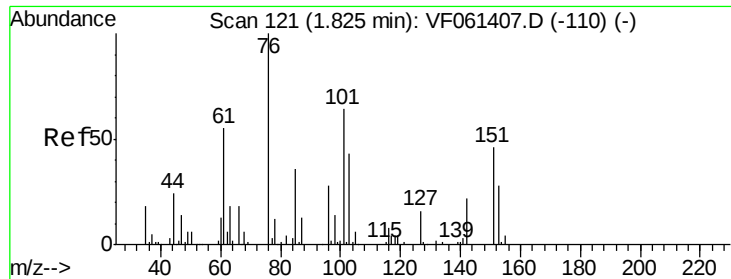
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	43	Resp:	120684
Ion	Ratio	Lower	Upper
43	100		
58	17.0	13.3	19.9





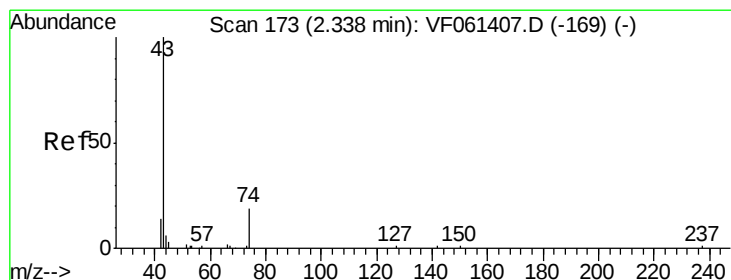
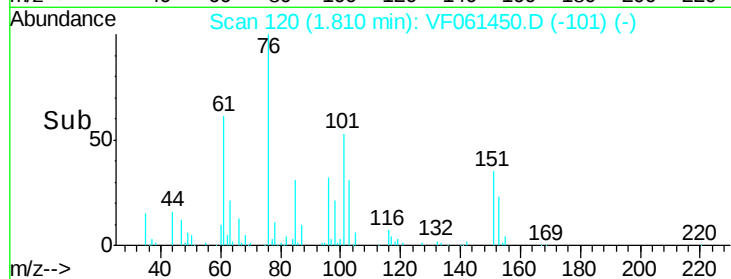
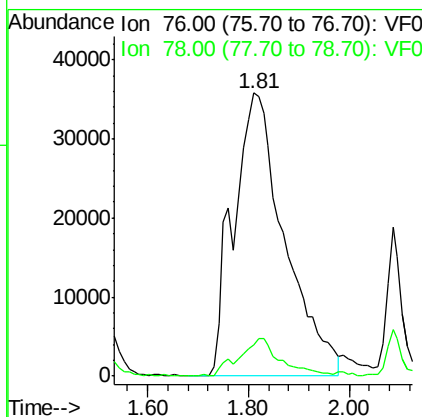
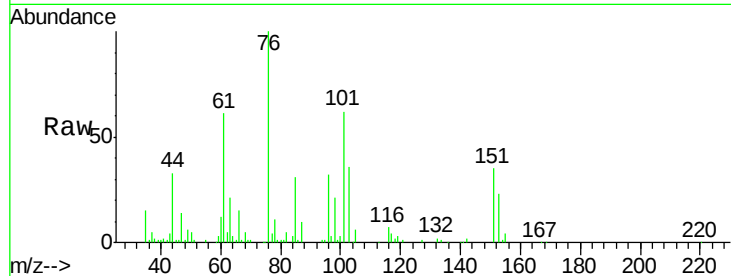
#17
Carbon Disulfide
Concen: 49.599 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 253062
Ion Ratio Lower Upper
76 100
78 11.3 9.6 14.4

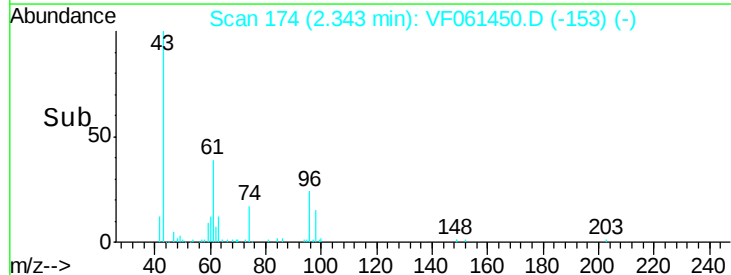
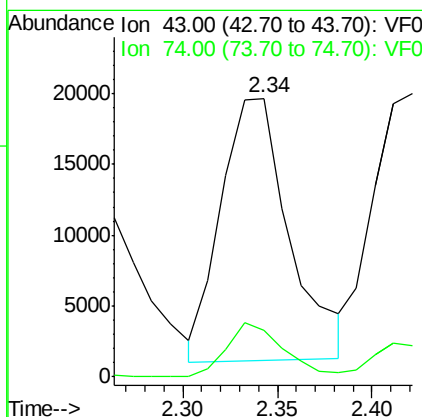
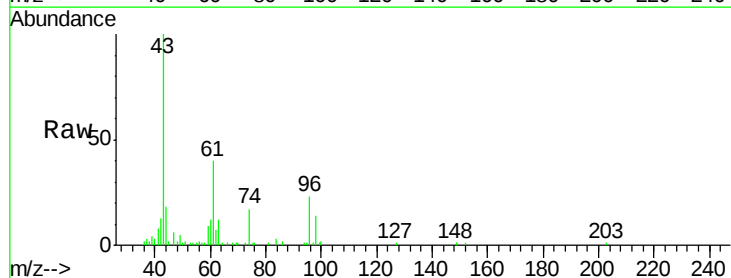
Manual Integrations
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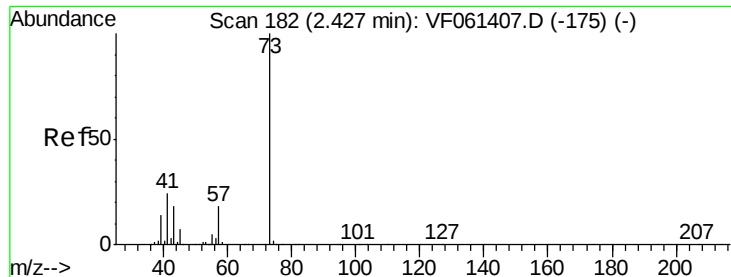
MMDadoda
1/18/2019 3:42:50 PM



#18
Methyl Acetate
Concen: 51.581 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 43 Resp: 46614
Ion Ratio Lower Upper
43 100
74 16.9 13.4 20.0





#19

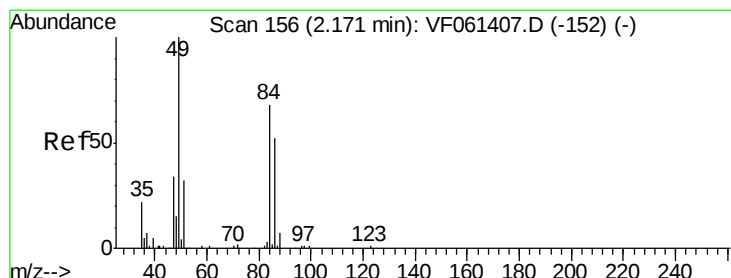
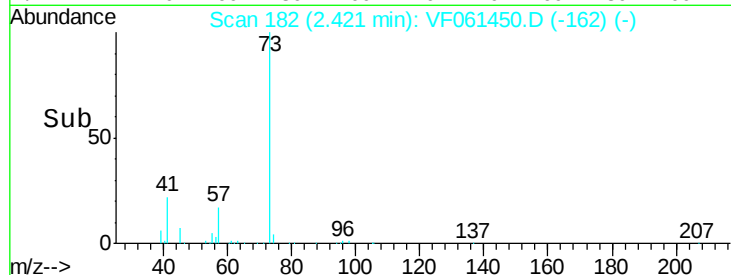
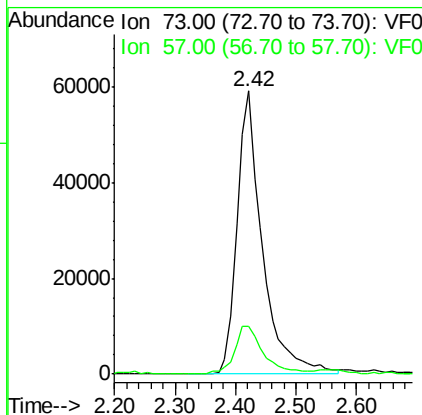
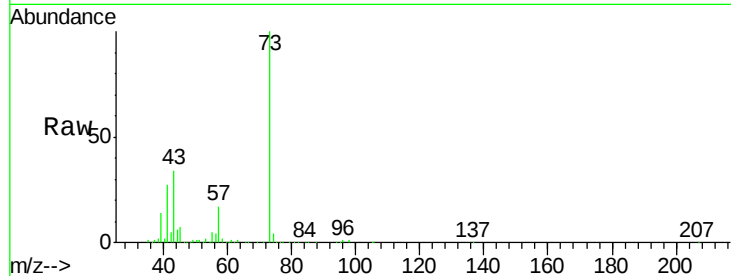
Methyl tert-butyl Ether
 Concen: 46.791 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	17.1	14.8	22.2

Manual Integrations
 APPROVED

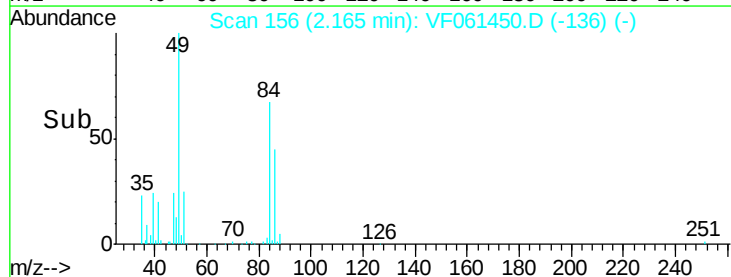
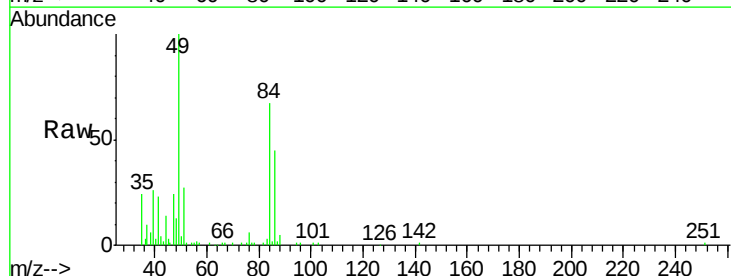
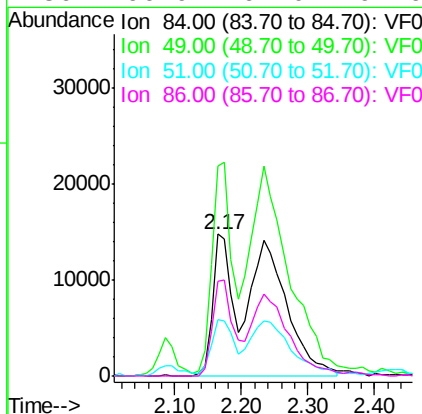
MMDadoda
 1/18/2019 3:42:50 PM

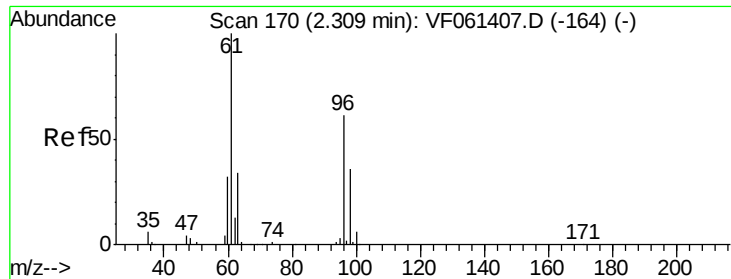


#20

Methylene Chloride
 Concen: 54.006 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	148.4	120.0	180.0
51	51	39.5	38.6	58.0
86	86	66.9	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 48.043 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

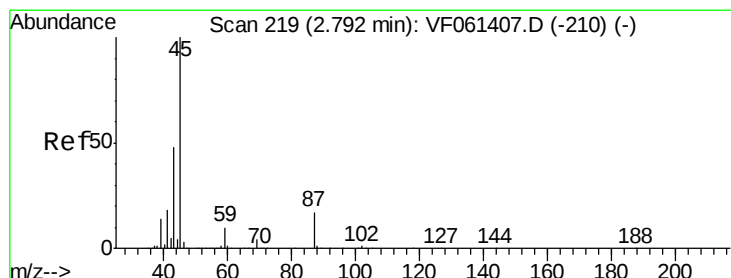
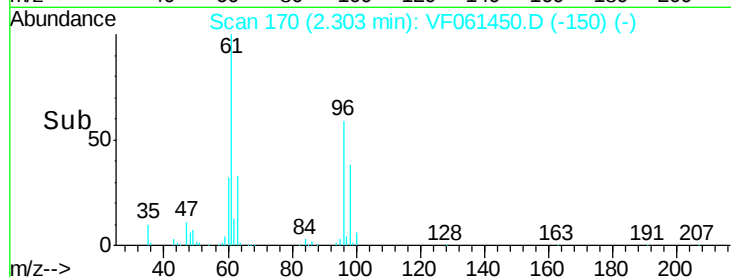
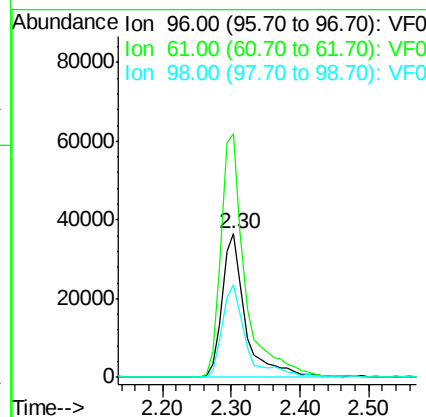
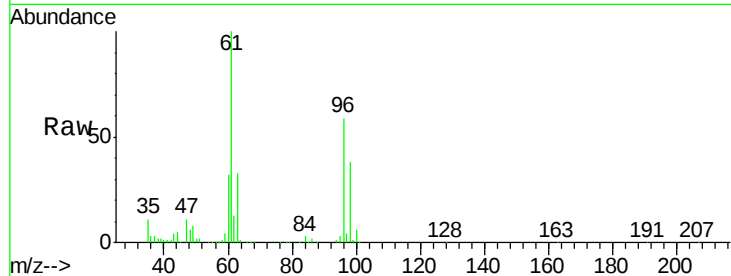
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86495
Ion	Ratio	Lower	Upper
96	100		
61	170.0	131.8	197.8
98	65.0	47.4	71.0

Manual Integrations
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MMDadoda
1/18/2019 3:42:50 PM



#22

Diisopropyl ether

Concen: 51.388 ug/l

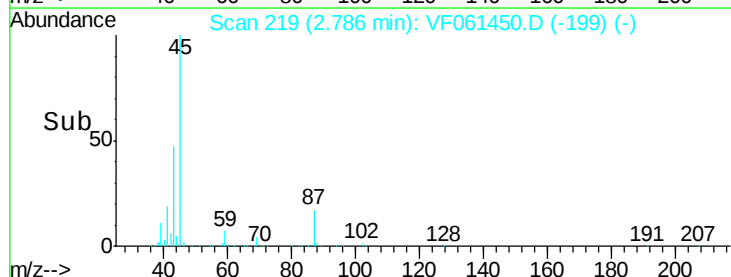
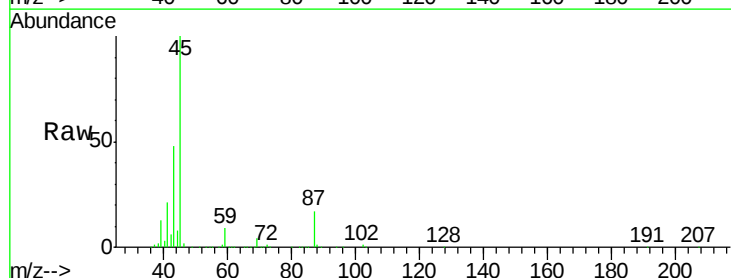
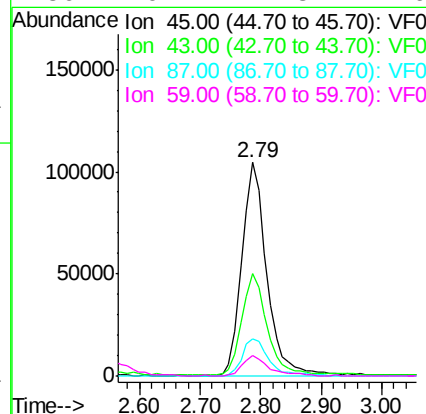
RT: 2.79 min Scan# 219

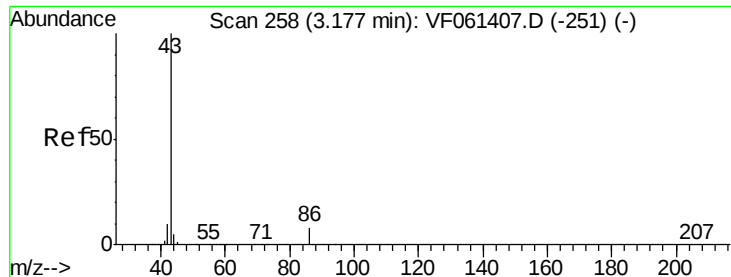
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	45	Resp:	299240
Ion	Ratio	Lower	Upper
45	100		
43	48.2	39.0	58.6
87	17.3	13.9	20.9
59	9.4	7.8	11.6





#23

Vinyl Acetate

Concen: 270.307 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 693010

Ion Ratio Lower Upper

43 100

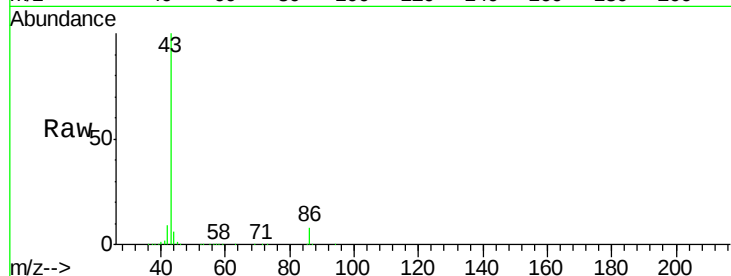
86 7.5 6.2 9.4

Manual Integrations

APPROVED

MMDadoda

1/18/2019 3:42:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

250000

200000

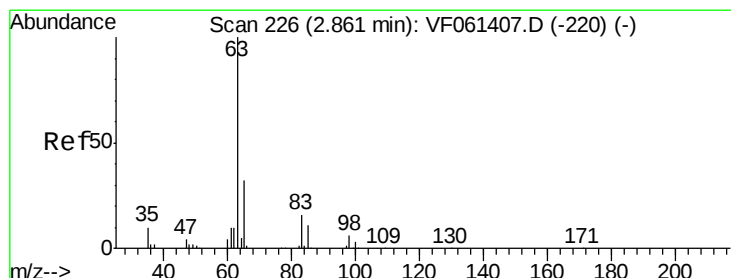
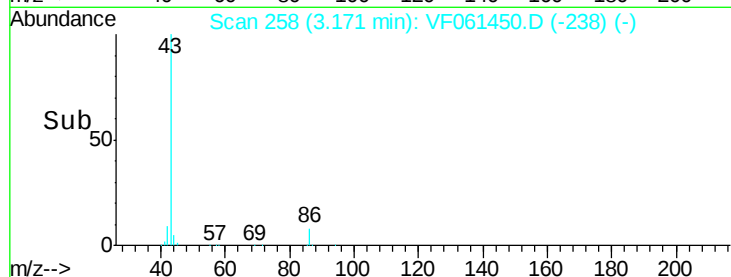
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.267 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

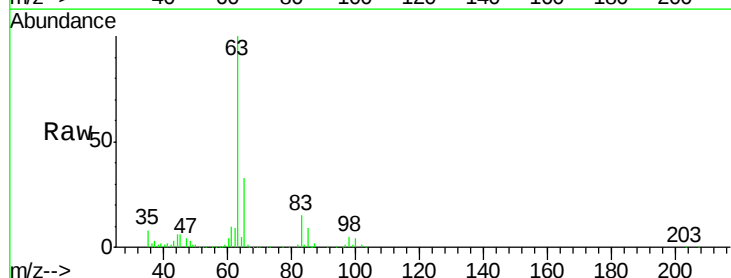
Tgt Ion: 63 Resp: 191022

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.8

100 4.0 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

100000

80000

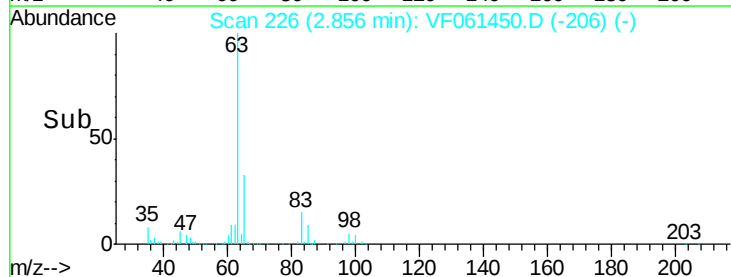
60000

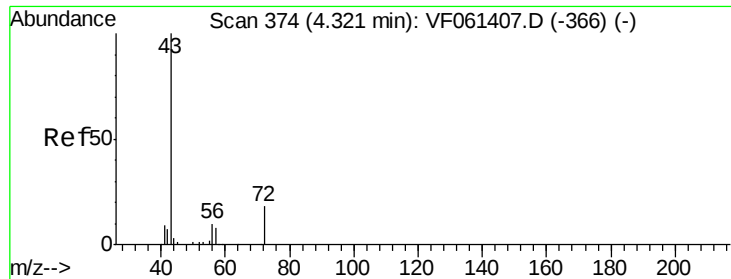
40000

20000

0

Time-->





#25

2-Butanone

Concen: 271.148 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 205473

Ion Ratio Lower Upper

43 100

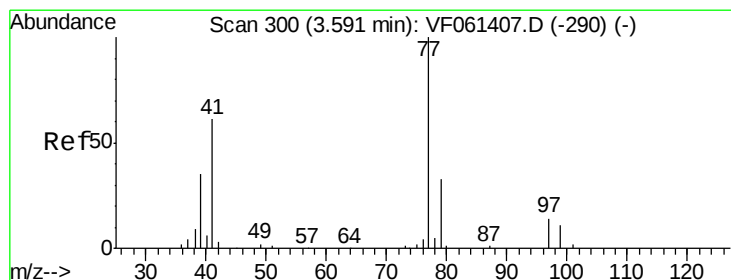
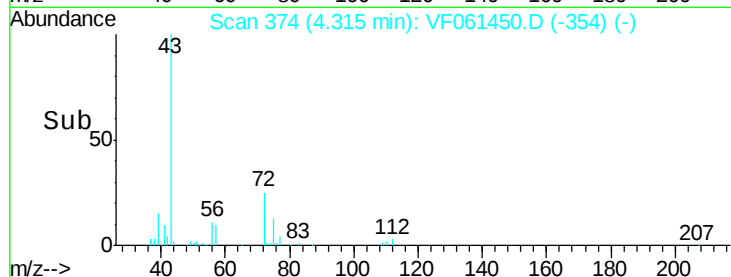
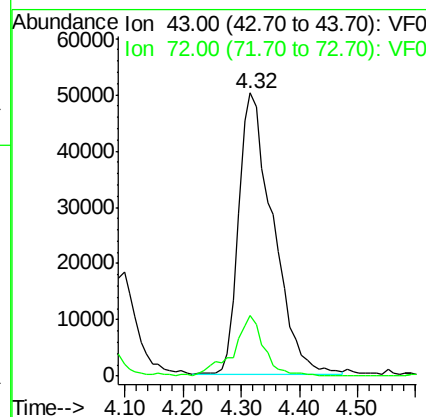
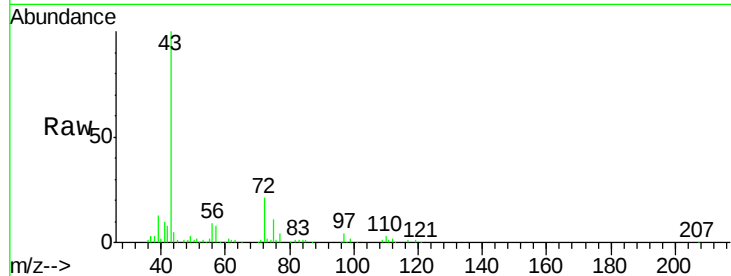
72 21.3 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.899 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061450.D

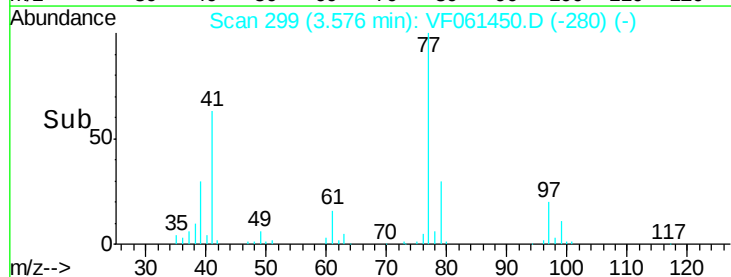
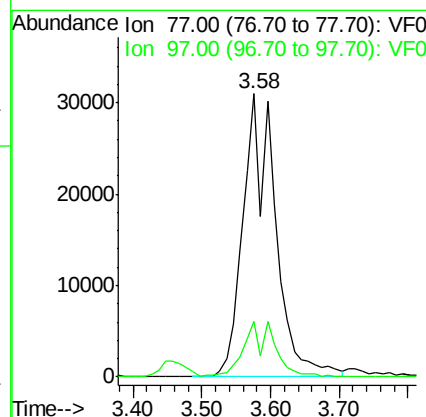
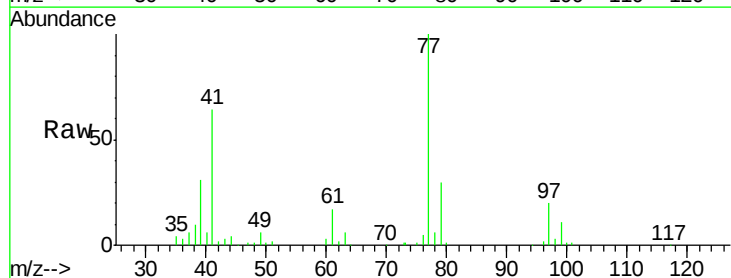
Acq: 17 Jan 2019 17:50

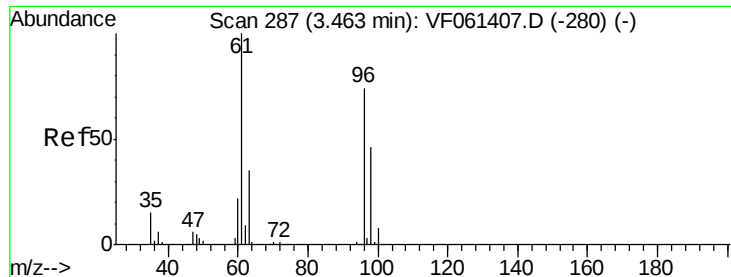
Tgt Ion: 77 Resp: 100819

Ion Ratio Lower Upper

77 100

97 19.5 8.5 25.5





#27

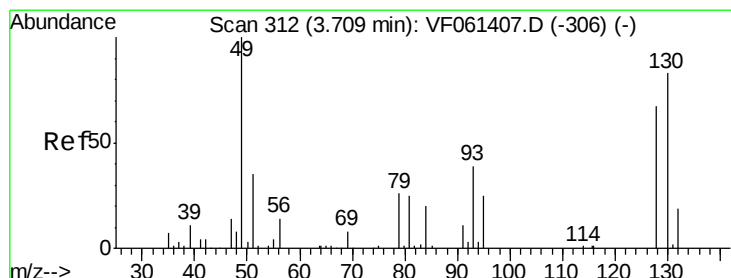
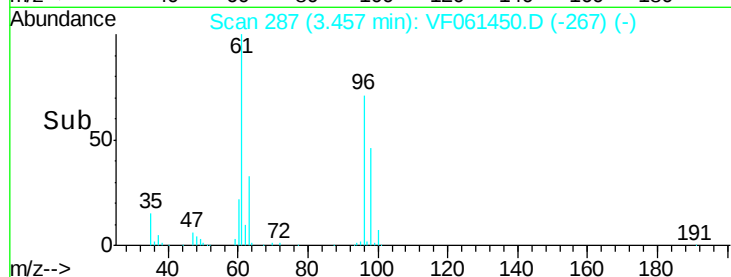
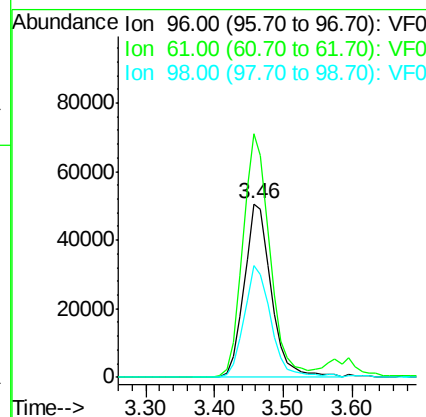
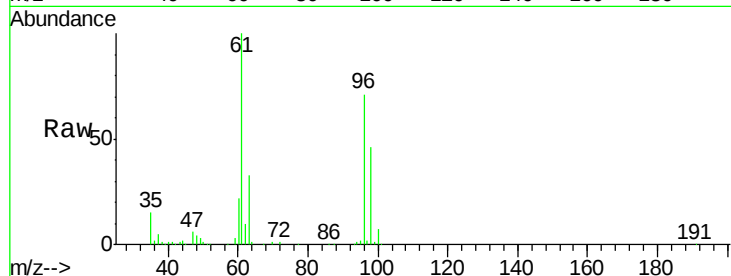
cis-1,2-Dichloroethene
Concen: 52.002 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138200		
61	140.1	0.0	270.2	
98	64.7	0.0	124.0	

Manual Integrations
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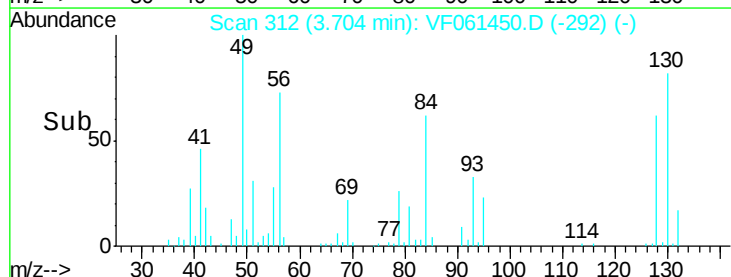
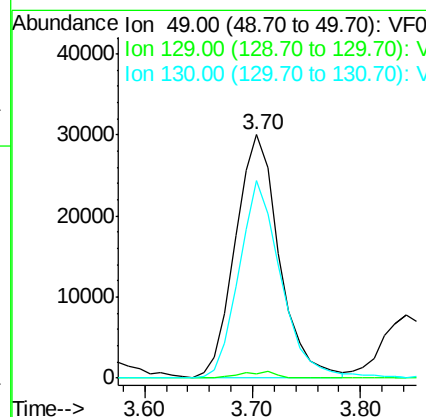
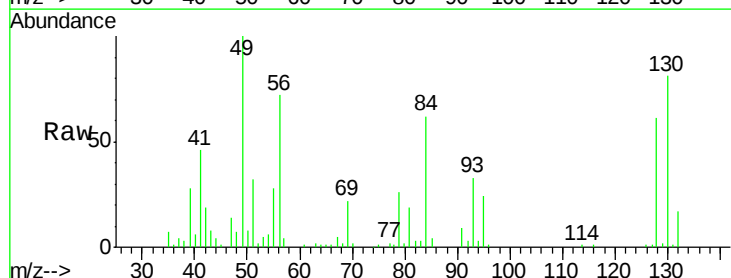
MMDadoda
1/18/2019 3:42:50 PM

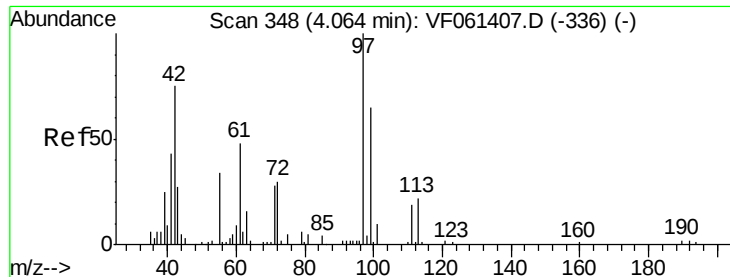


#28

Bromochloromethane
Concen: 51.179 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84079		
129	1.9	0.0	0.0#	
130	81.0	65.4	98.2	





#29

Tetrahydrofuran

Concen: 243.292 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

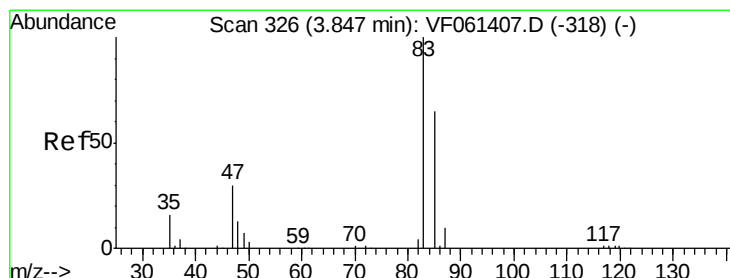
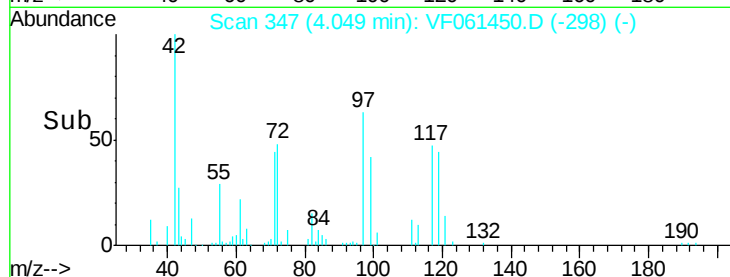
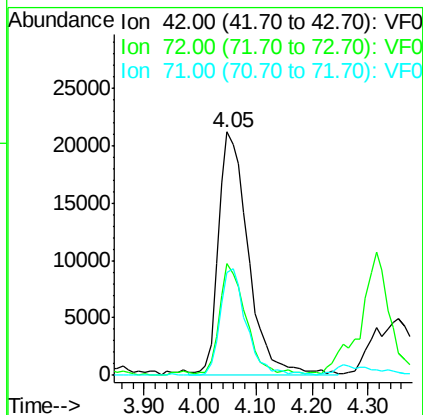
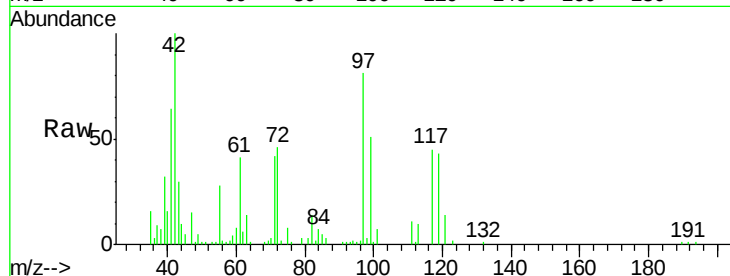
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	79386
Ion	Ratio	Lower	Upper
42	100		
72	37.9	28.9	43.3
71	38.3	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 51.400 ug/l

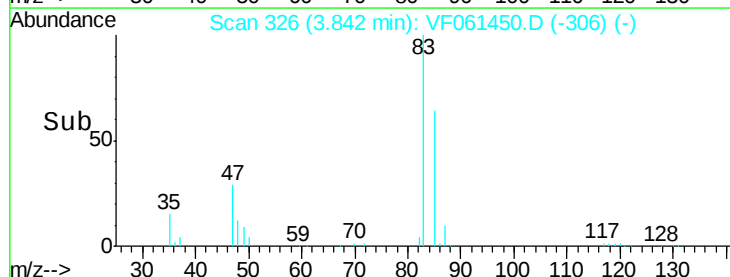
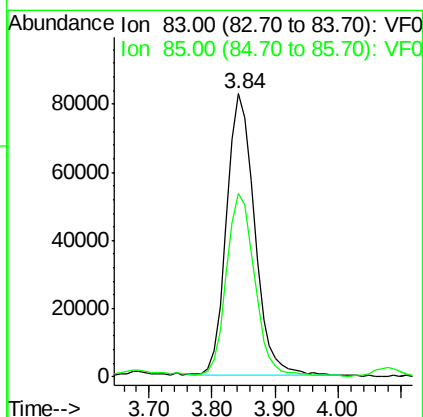
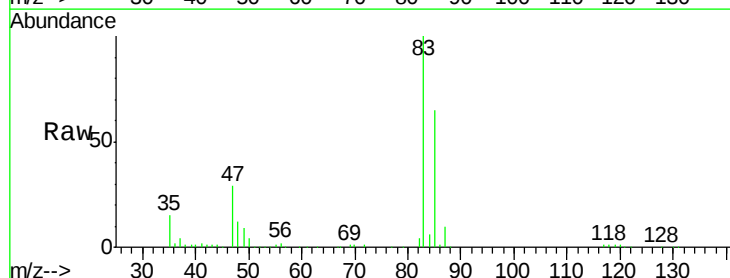
RT: 3.84 min Scan# 326

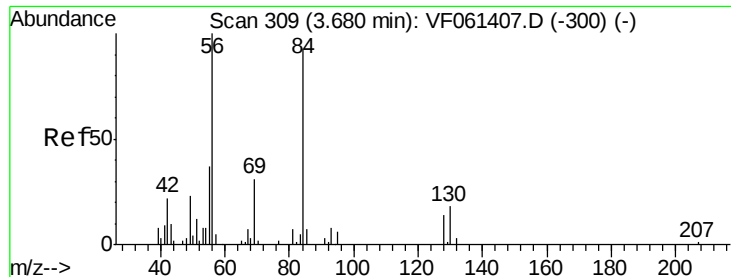
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	83	Resp:	253523
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.7	79.1





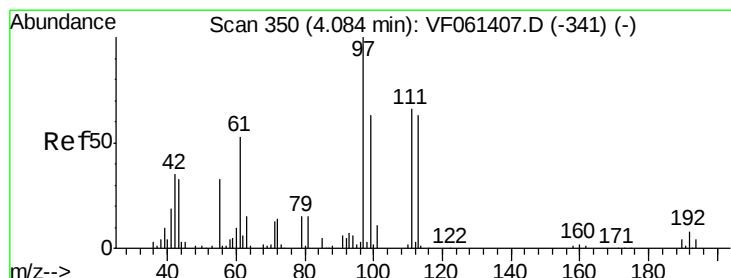
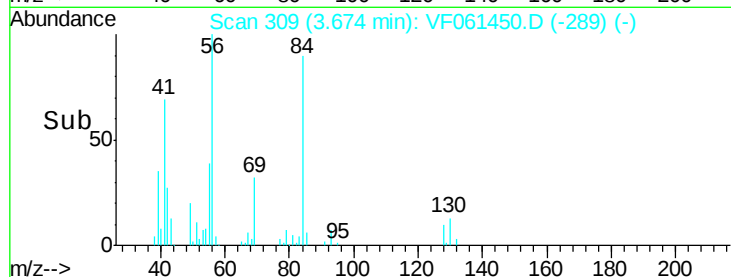
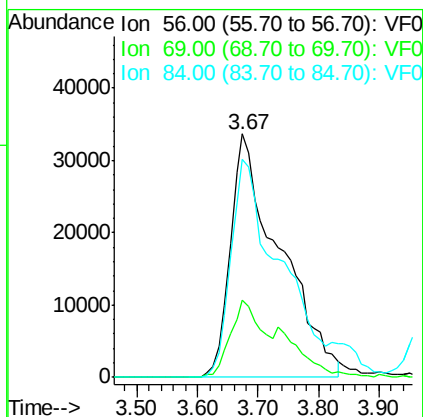
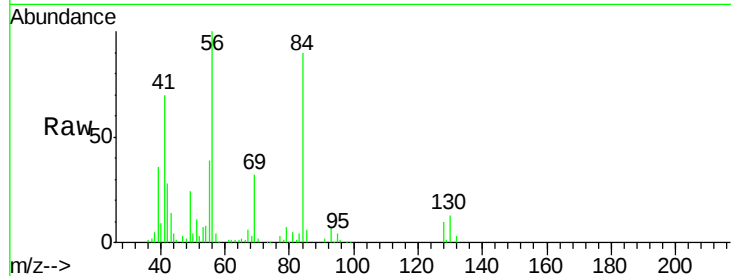
#31
Cyclohexane
Concen: 51.914 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.6	36.8
84	89.7	74.2	111.2

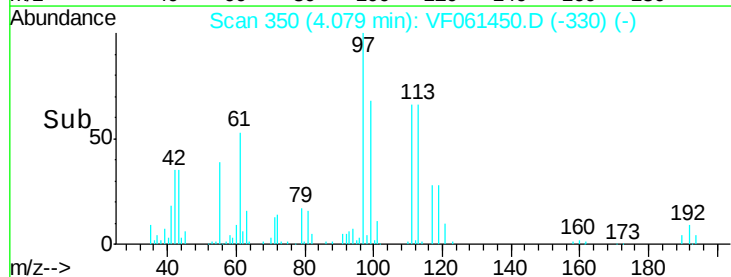
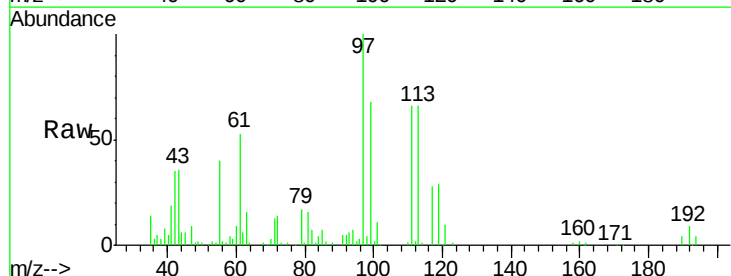
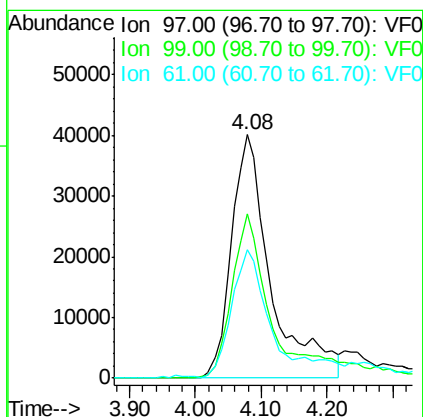
Manual Integrations
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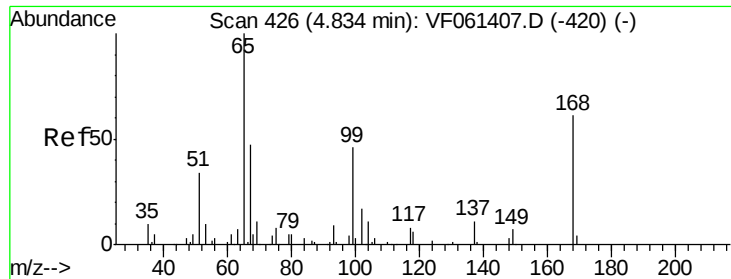
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.561 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.7	50.1	75.1
61	52.8	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 49.528 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tot Ion: 65 Resp: 112503

Ion Ratio Lower Upper

65 100

67 44.9 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

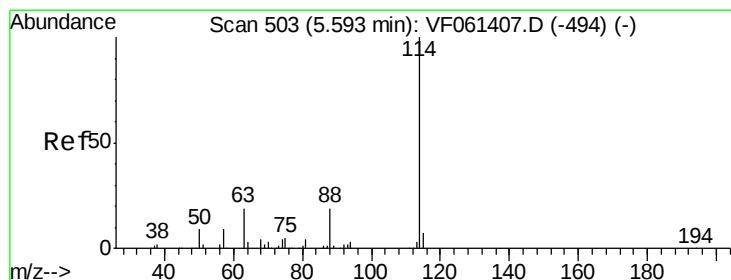
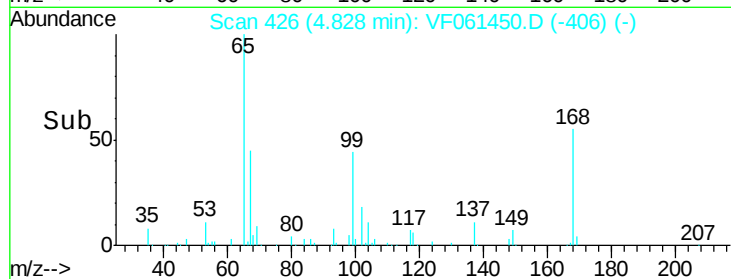
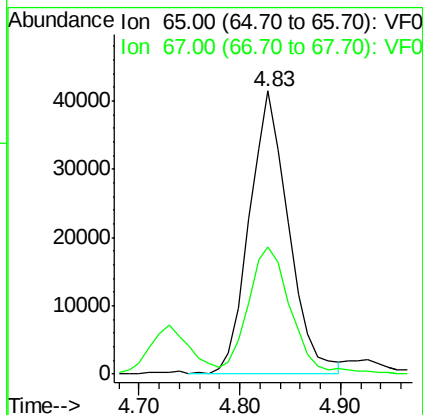
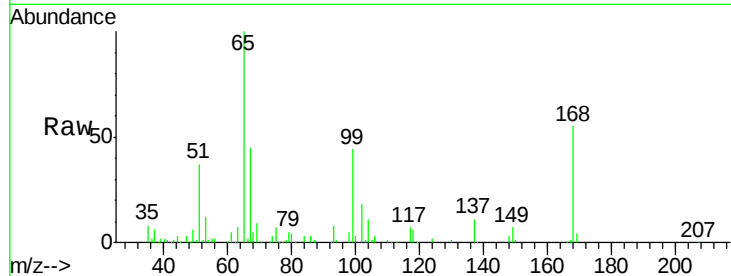
VSTDCCC050EC

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

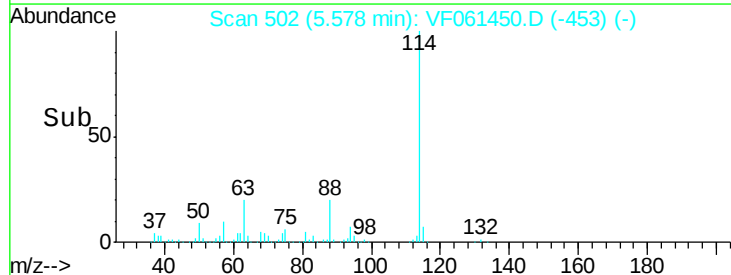
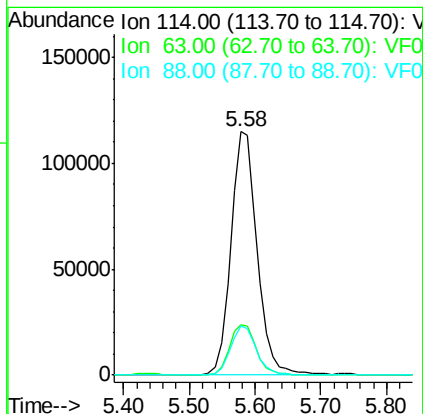
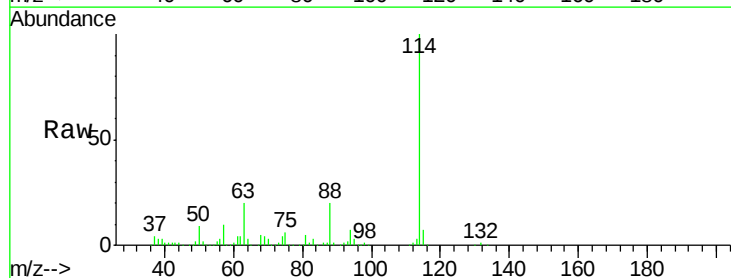
Tgt Ion: 114 Resp: 321289

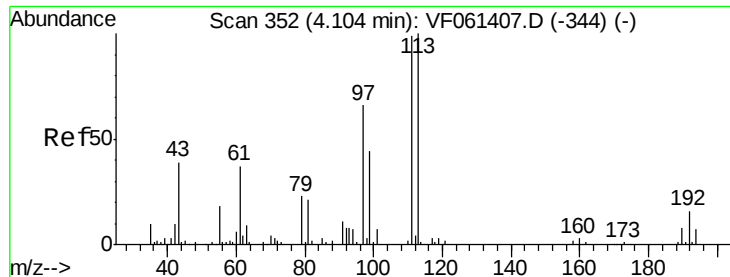
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

88 20.2 0.0 37.4





#35

Dibromofluoromethane

Concen: 49.420 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

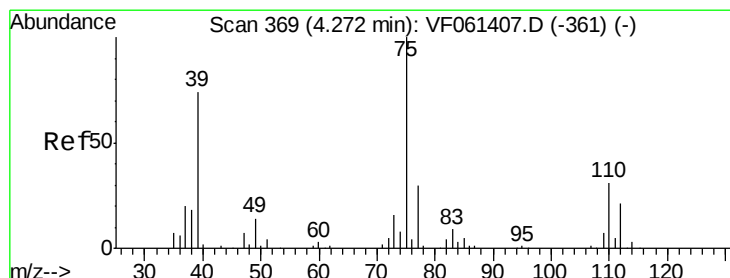
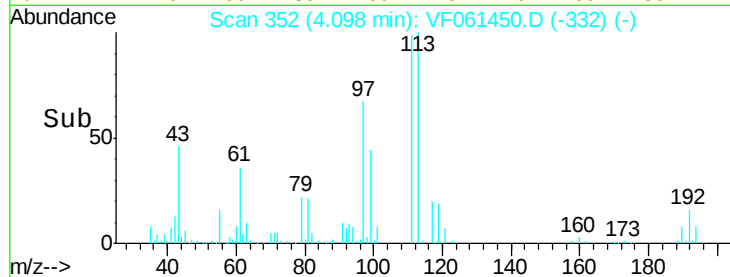
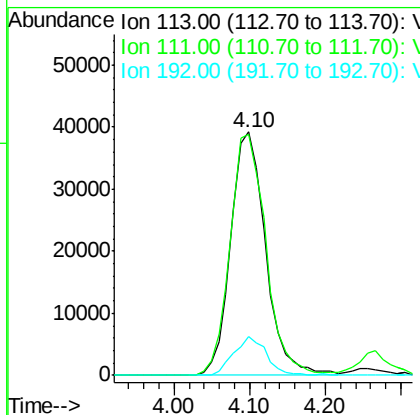
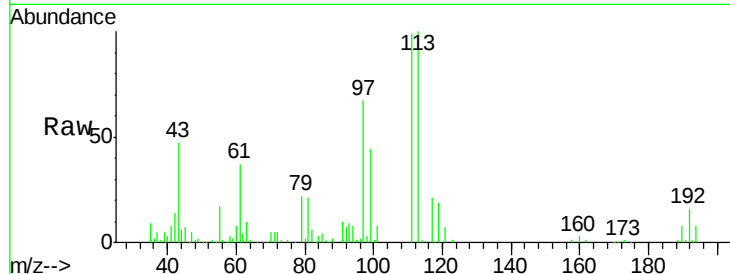
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	125292
Ion	Ratio	Lower	Upper
113	100		
111	98.9	79.4	119.0
192	15.9	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.369 ug/l

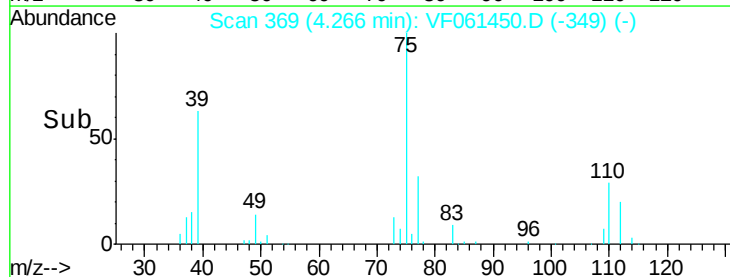
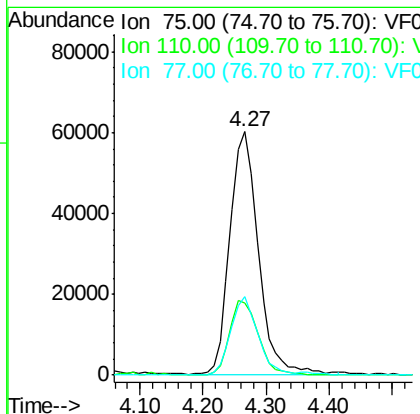
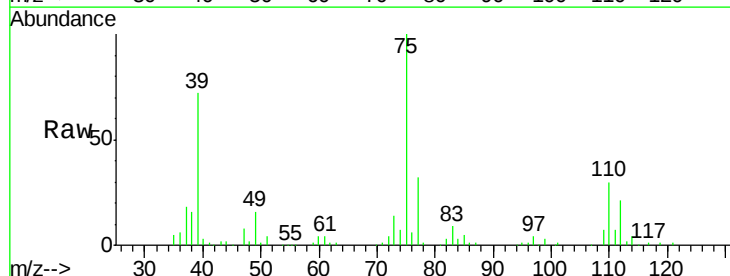
RT: 4.27 min Scan# 369

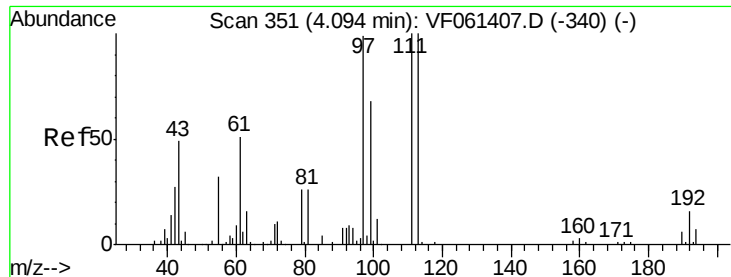
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	75	Resp:	187633
Ion	Ratio	Lower	Upper
75	100		
110	29.5	15.8	47.3
77	32.0	24.0	36.0





#37

Ethyl Acetate

Concen: 49.433 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 73609

Ion Ratio Lower Upper

43 100

61 77.5 81.7 122.5#

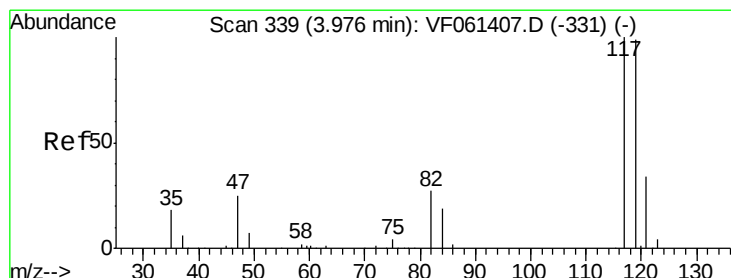
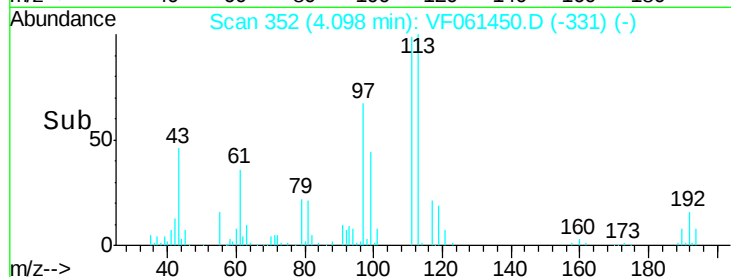
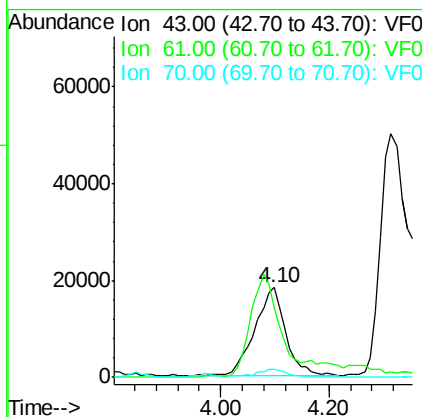
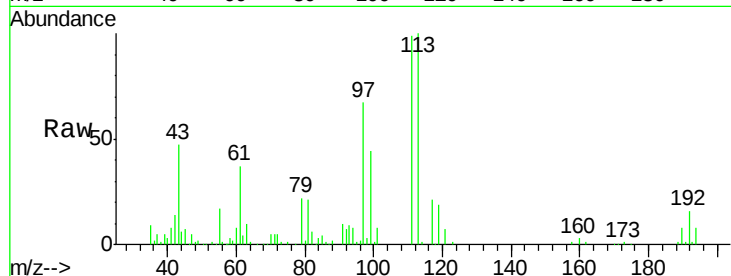
70 9.7 6.2 9.2#

Manual Integrations

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#38

Carbon Tetrachloride

Concen: 47.484 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

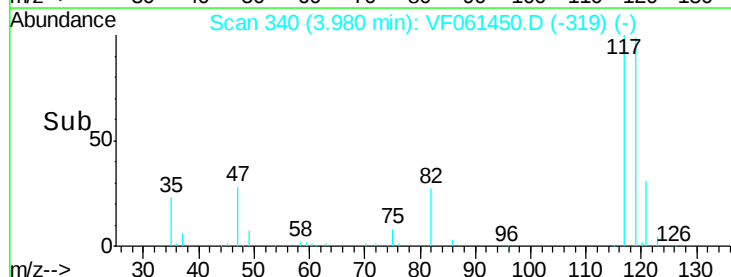
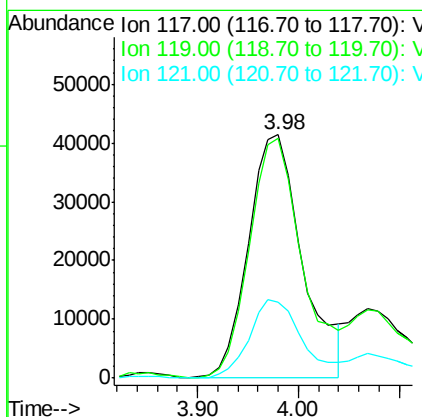
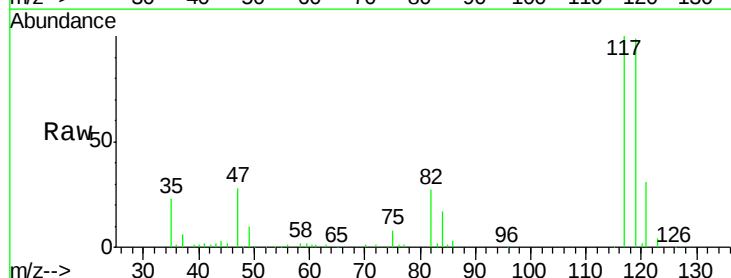
Tgt Ion: 117 Resp: 154640

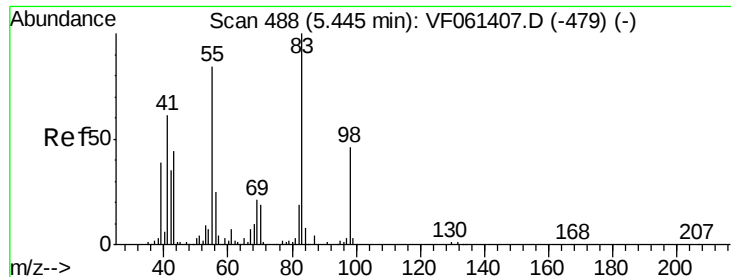
Ion Ratio Lower Upper

117 100

119 98.7 79.0 118.6

121 31.1 27.0 40.6





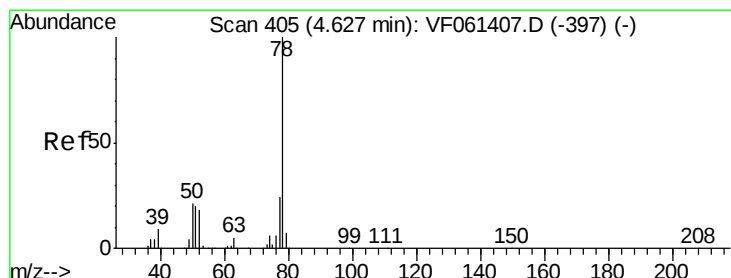
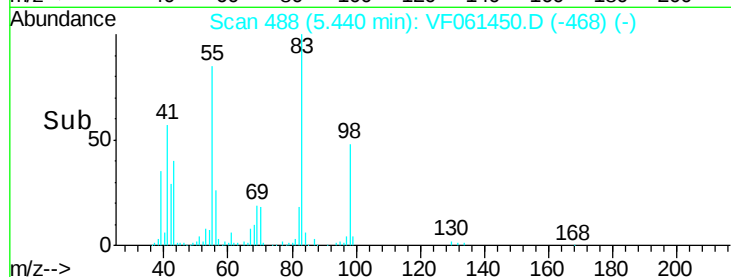
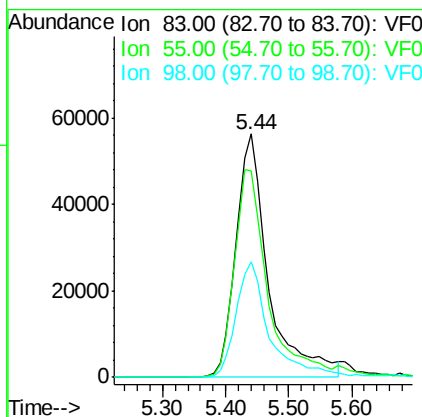
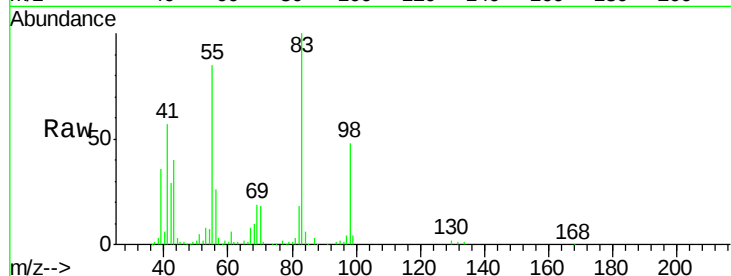
#39
Methvlcvclohexane
Concen: 49.989 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	67.4	101.2
98	47.7	36.7	55.1

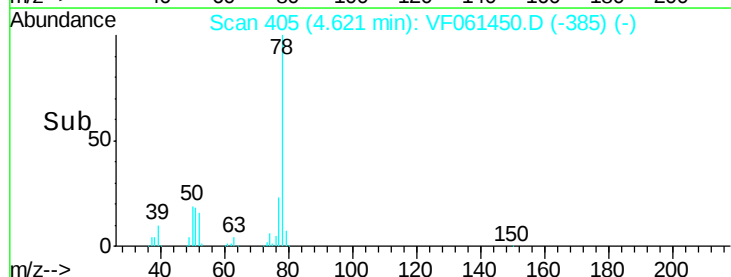
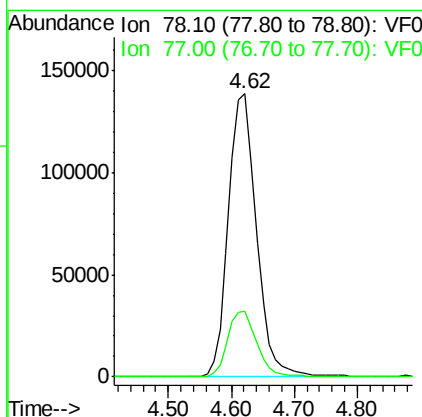
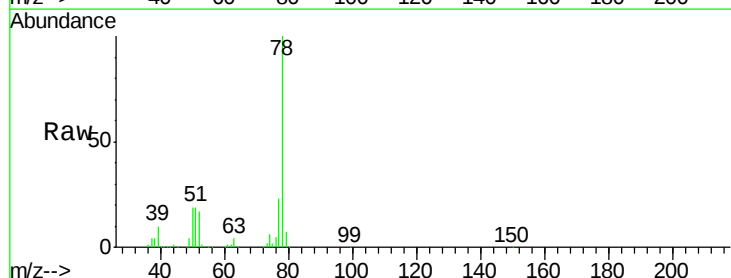
Manual Integrations
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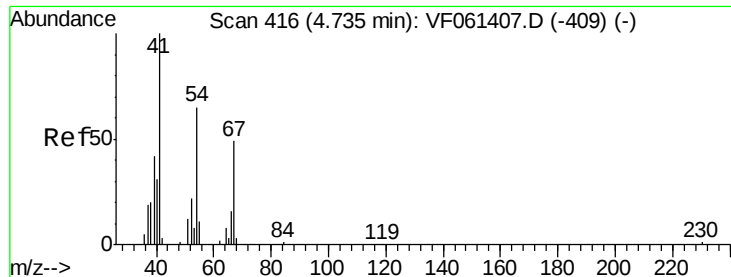
MMDadoda
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#40
Benzene
Concen: 51.764 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





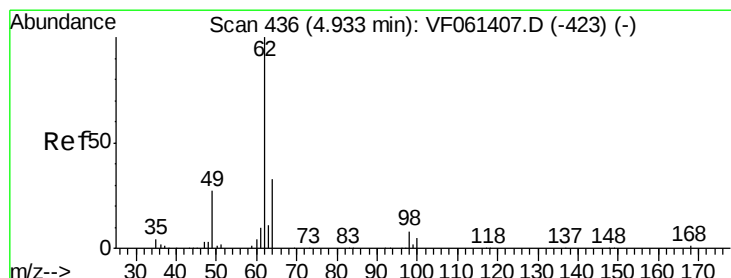
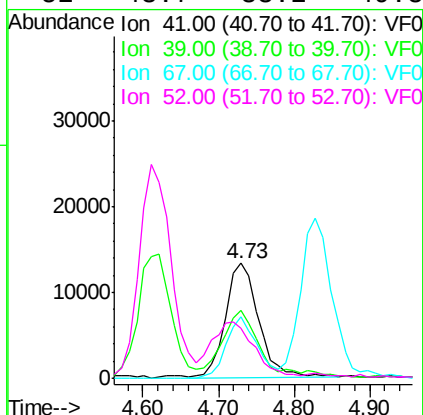
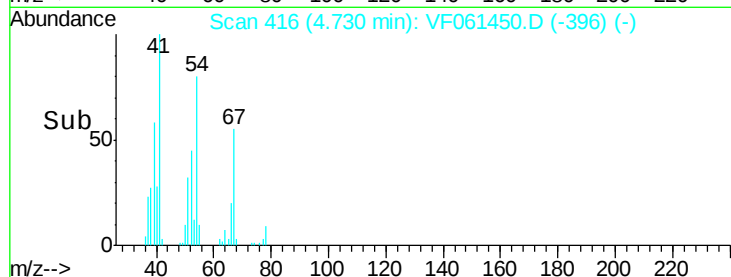
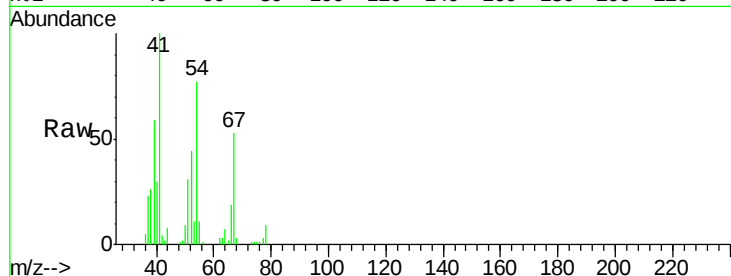
#41
Methacrylonitrile
Concen: 51.025 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.3	43.1	64.7	
67	53.3	38.8	58.2	
52	43.7	33.2	49.8	

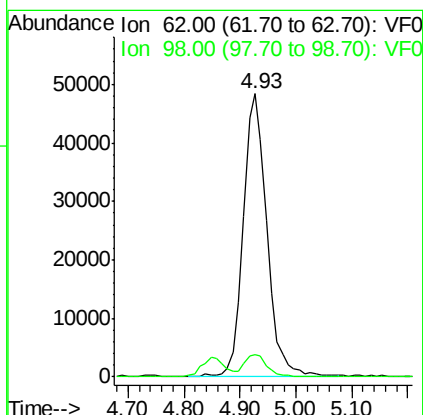
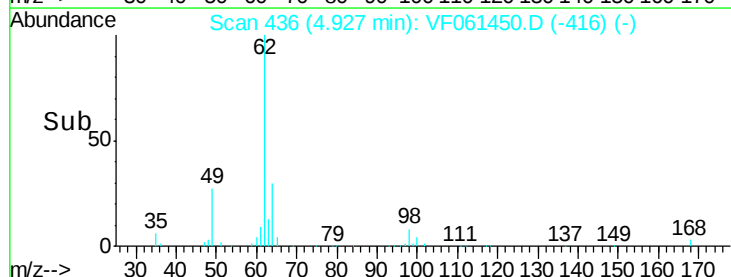
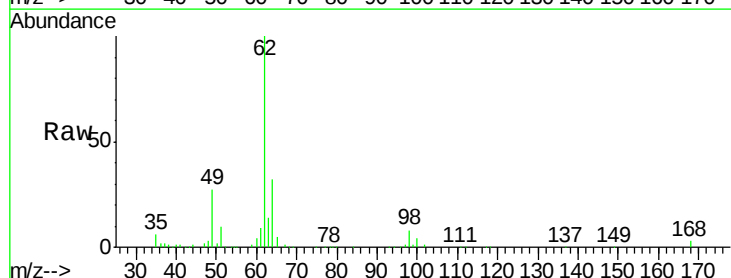
Manual Integrations
APPROVED

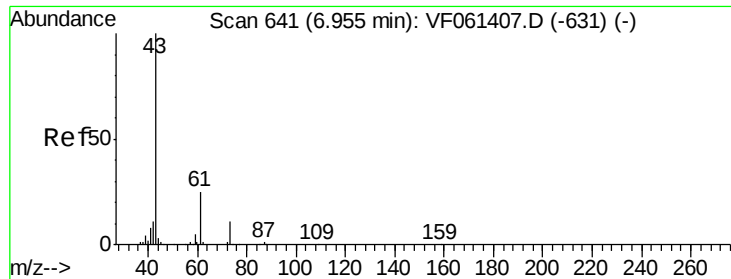
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.012 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	17.0	





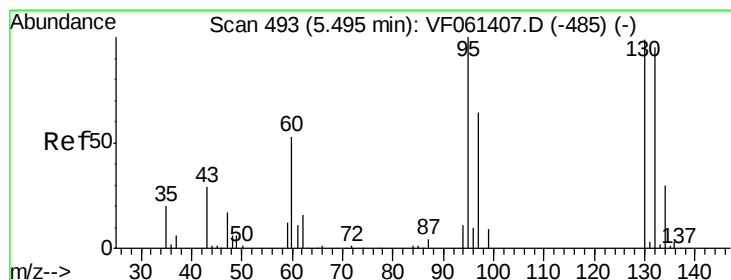
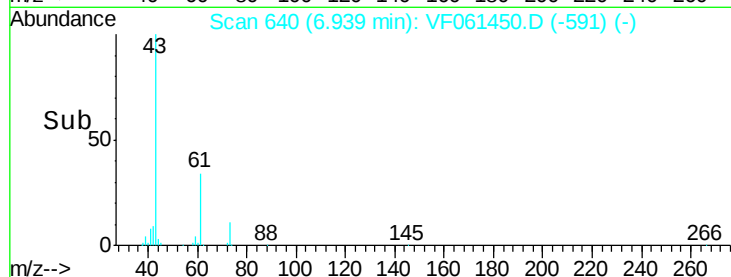
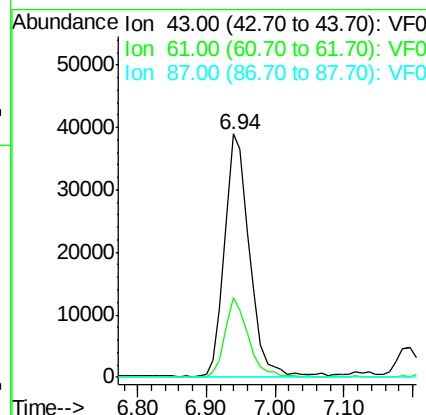
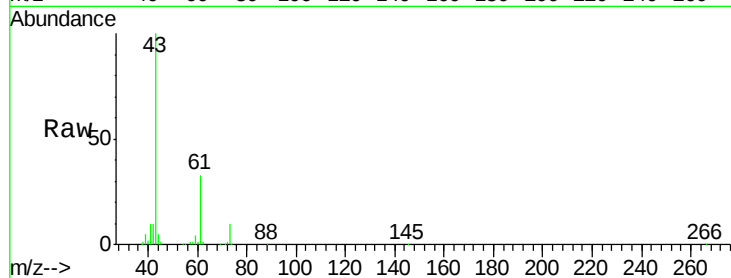
#43
Isopropyl Acetate
Concen: 53.025 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	20.3	30.5#
87	0.0	0.5	0.7#

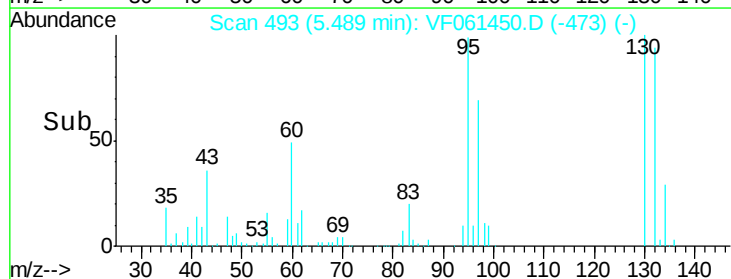
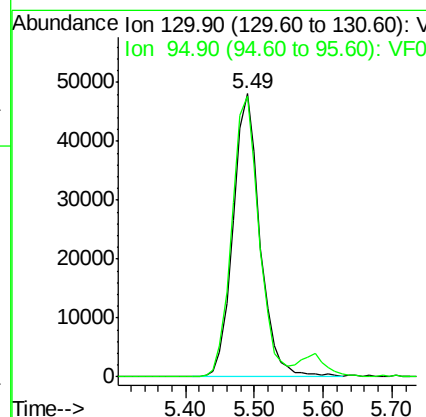
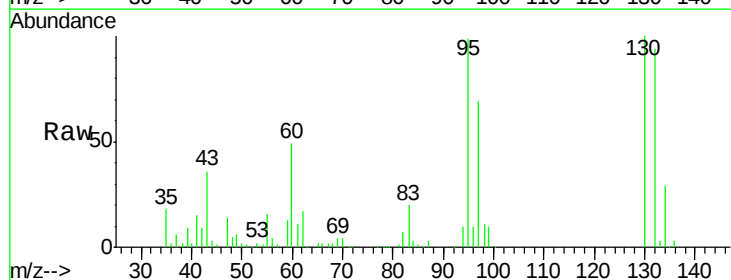
Manual Integrations
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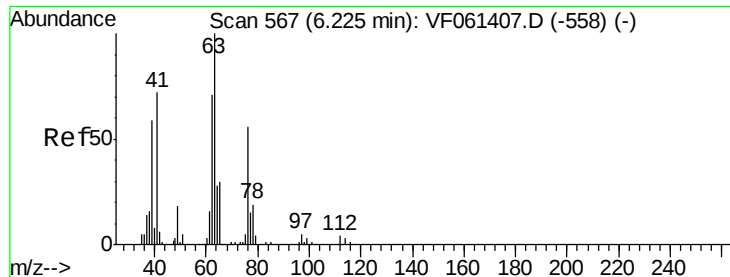
MMDadoda
1/18/2019 3:42:50 PM



#44
Trichloroethene
Concen: 51.188 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	202.8





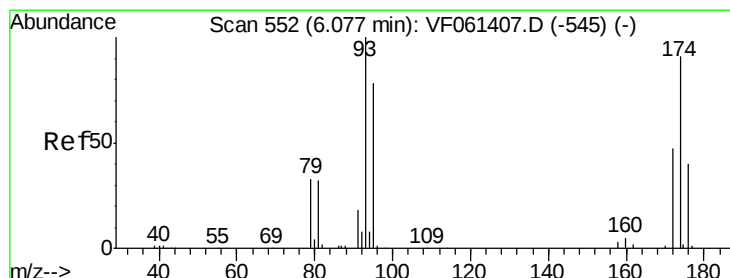
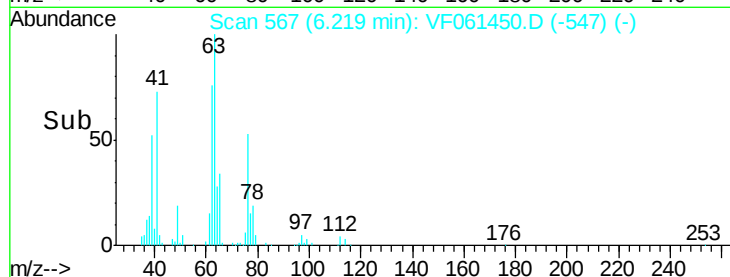
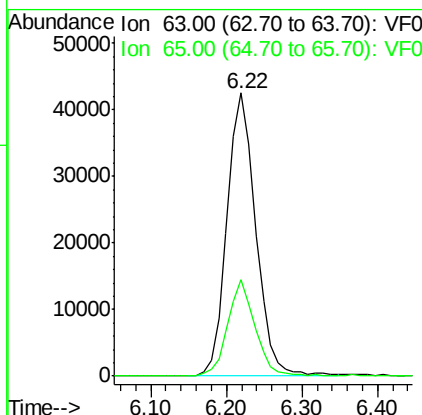
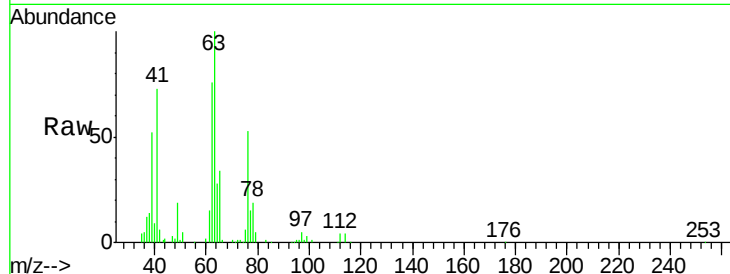
#45
 1,2-Dichloropropane
 Concen: 51.660 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 112388
 Ion Ratio Lower Upper
 63 100
 65 34.0 24.4 36.6

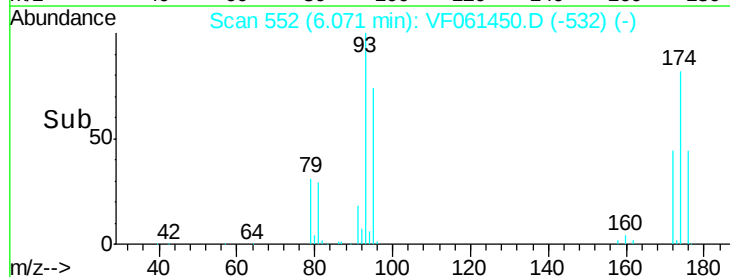
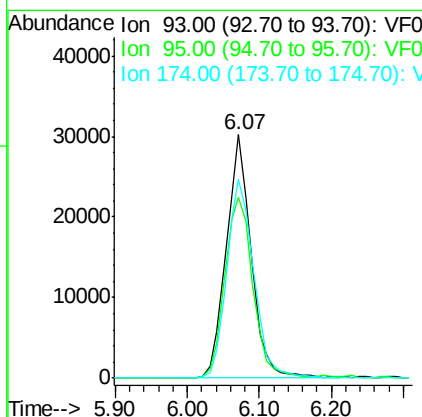
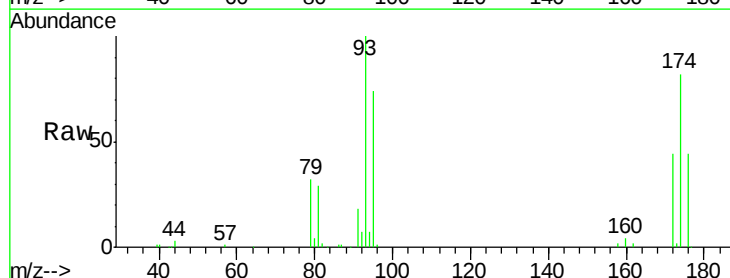
Manual Integrations
 APPROVED

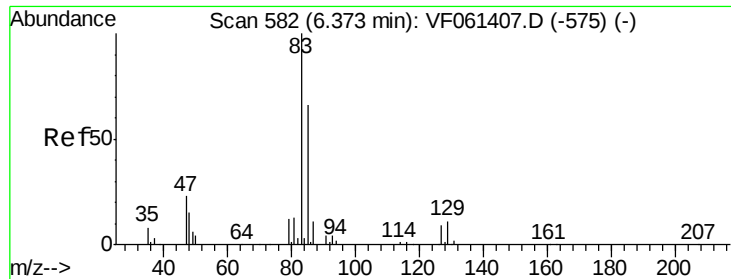
MMDadoda
 1/18/2019 3:42:50 PM



#46
 Dibromomethane
 Concen: 50.462 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion: 93 Resp: 72997
 Ion Ratio Lower Upper
 93 100
 95 74.1 62.1 93.1
 174 81.5 74.6 111.8





#47

Bromodichloromethane

Concen: 51.809 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

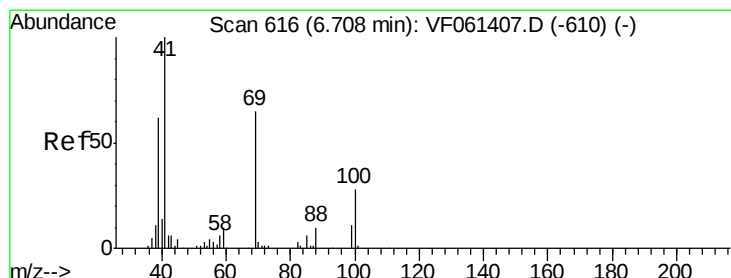
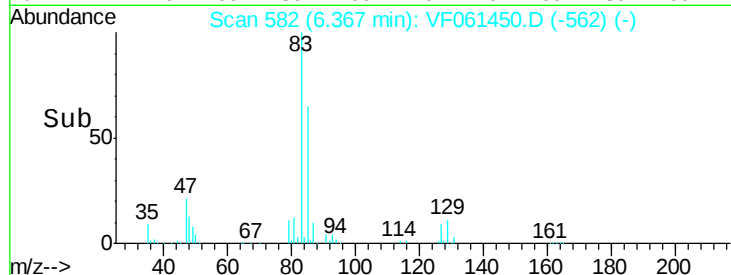
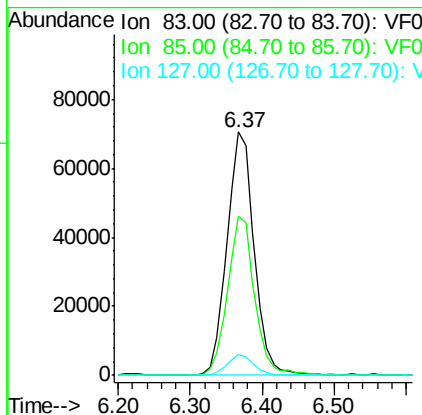
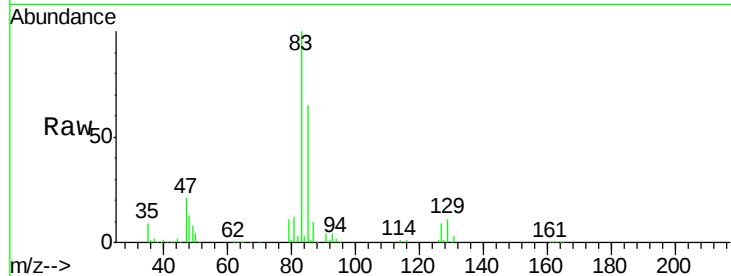
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	185431
Ion Ratio	Lower	Upper	
83	100		
85	65.2	53.0	79.4
127	8.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.865 ug/l

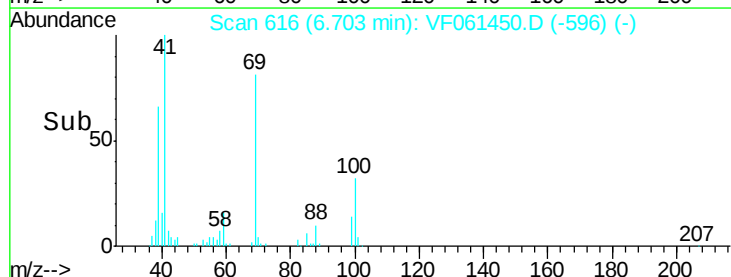
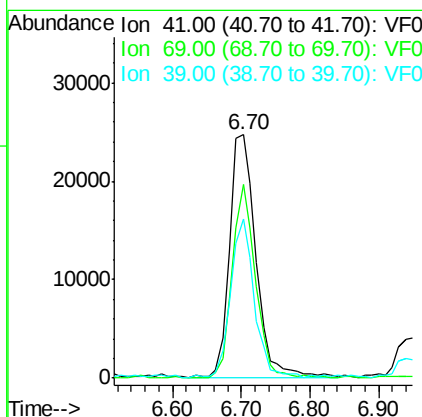
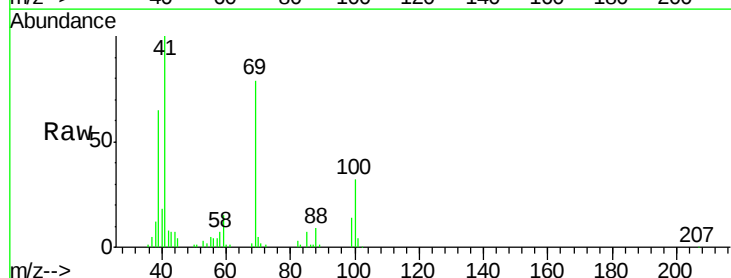
RT: 6.70 min Scan# 616

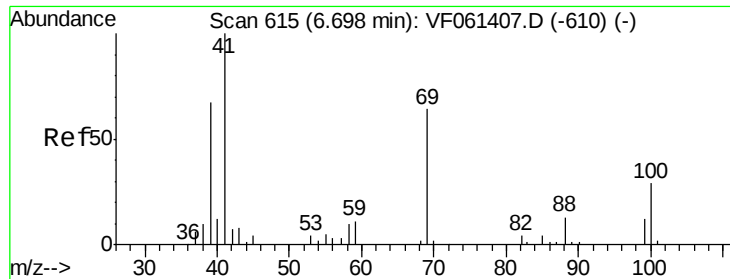
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	41	Resp:	66344
Ion Ratio	Lower	Upper	
41	100		
69	79.3	51.7	77.5#
39	65.2	49.2	73.8





#49

1,4-Dioxane

Concen: 1043.522 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

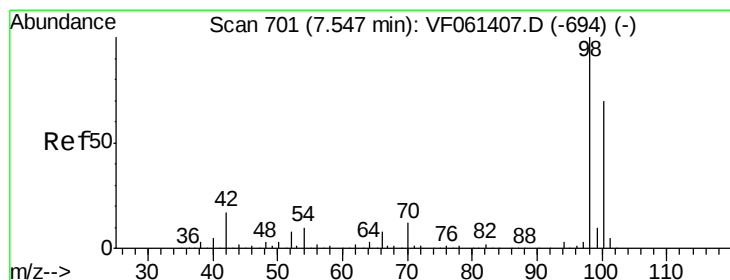
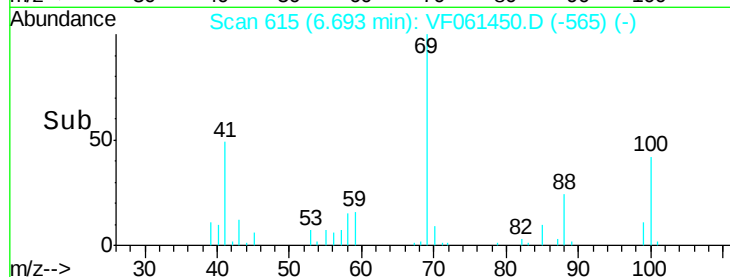
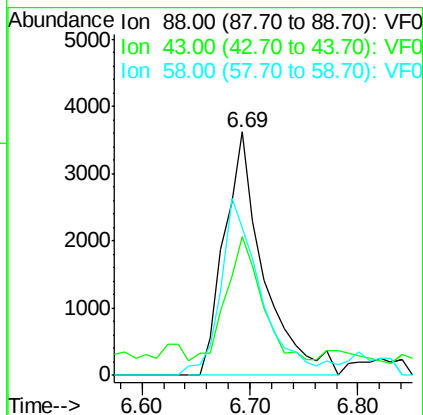
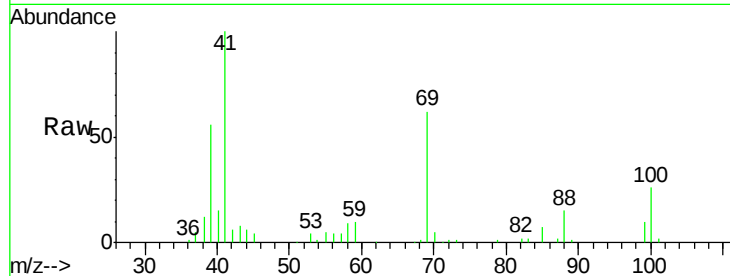
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	9115
Ion	Ratio	Lower	Upper
88	100		
43	56.9	55.5	83.3
58	60.6	59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.870 ug/l

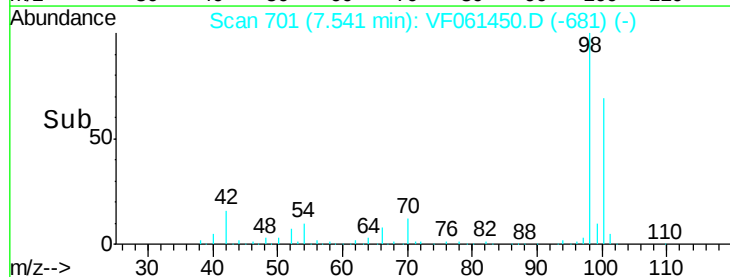
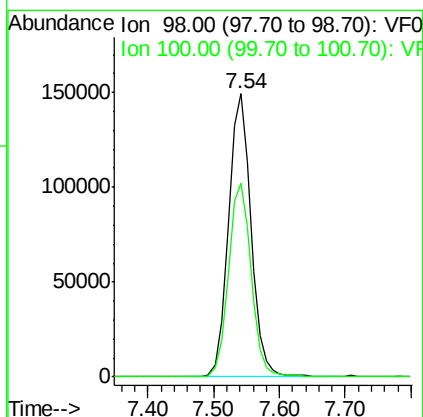
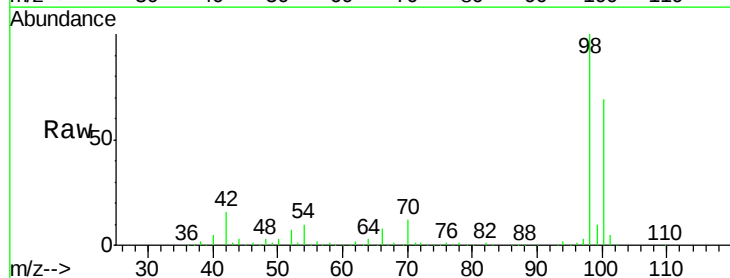
RT: 7.54 min Scan# 701

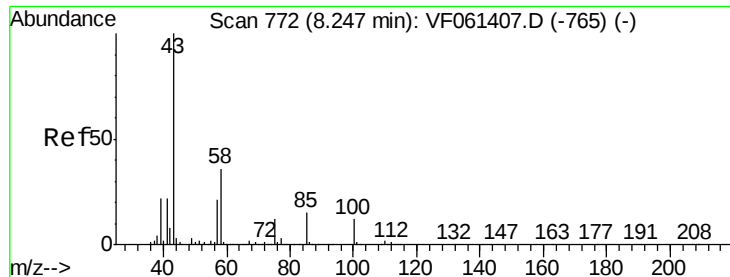
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	98	Resp:	360297
Ion	Ratio	Lower	Upper
98	100		
100	68.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 229.331 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 315086

Ion Ratio Lower Upper

43 100

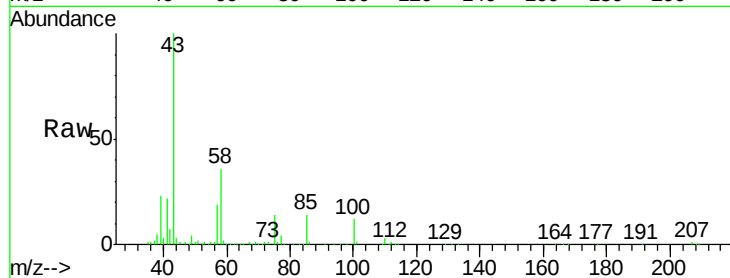
58 35.9 28.8 43.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

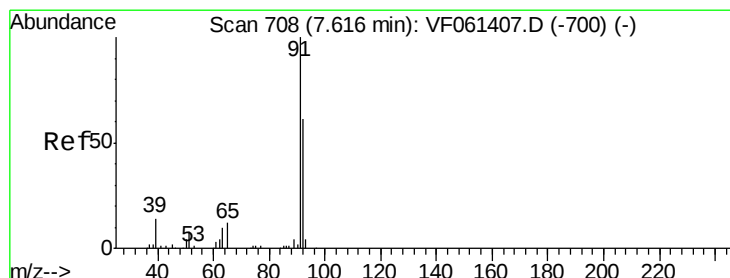
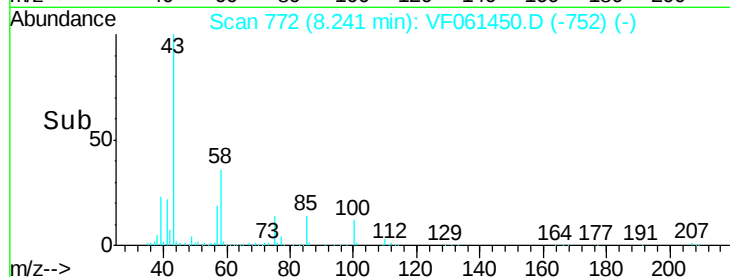
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 50.202 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061450.D

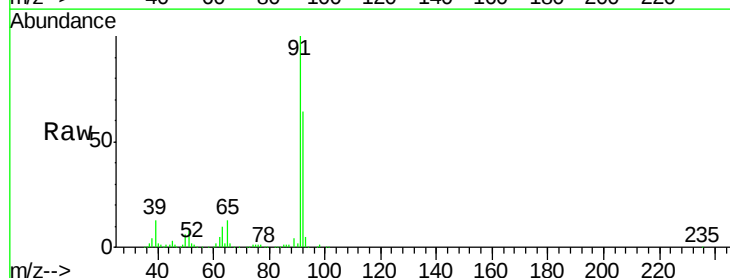
Acq: 17 Jan 2019 17:50

Tgt Ion: 92 Resp: 274038

Ion Ratio Lower Upper

92 100

91 157.1 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

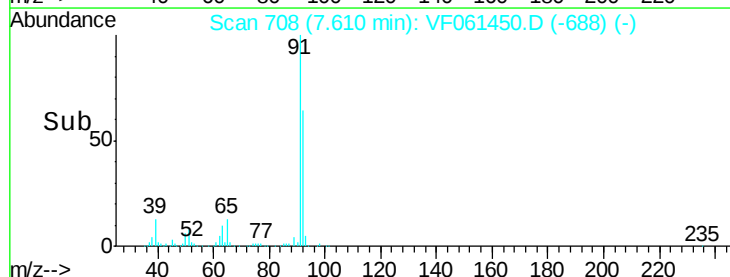
100000

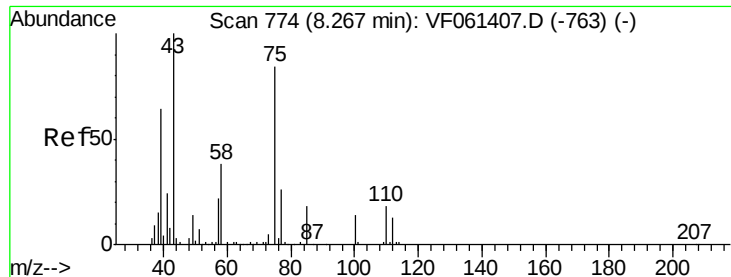
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.534 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 137935

Ion Ratio Lower Upper

75 100

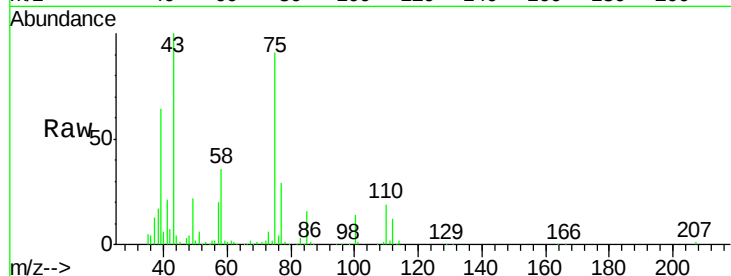
77 31.6 24.4 36.6

Manual Integrations

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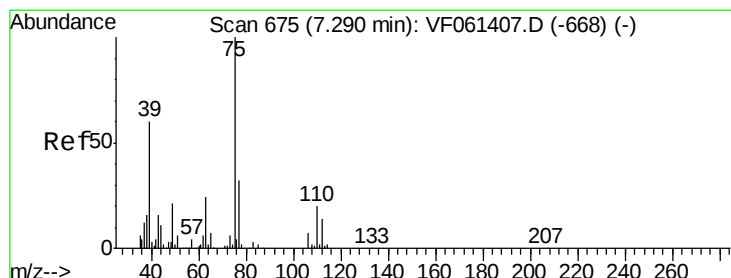
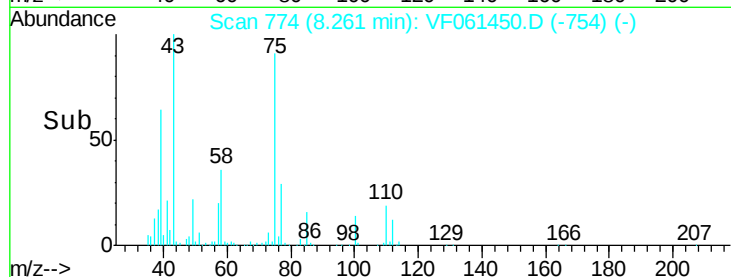
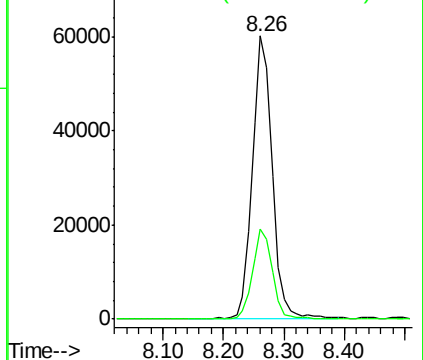
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 53.794 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

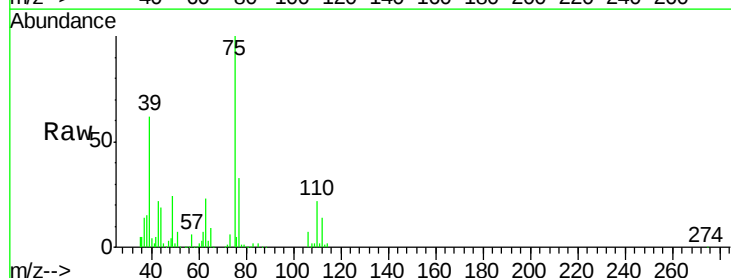
Tgt Ion: 75 Resp: 191102

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.0

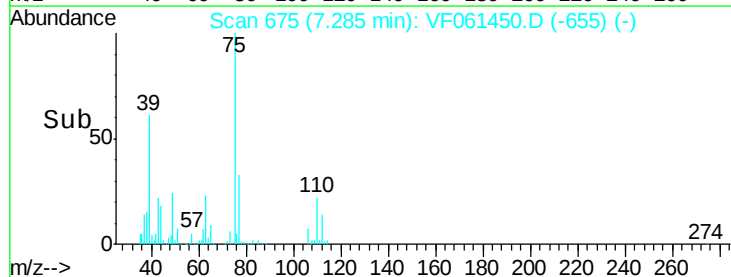
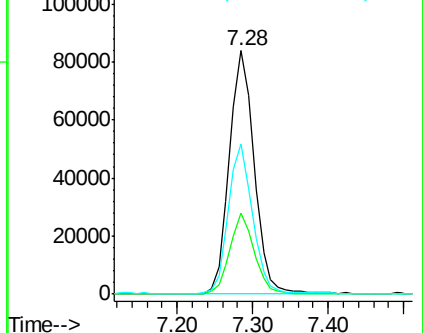
39 61.6 47.8 71.8

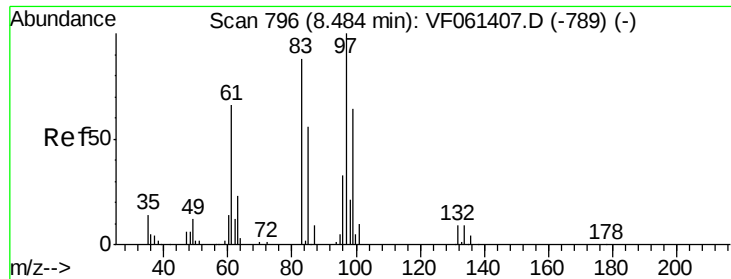


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 53.400 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

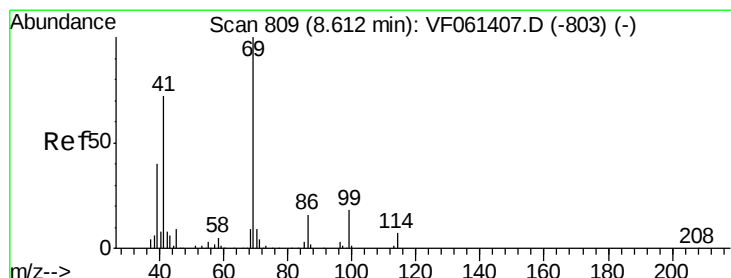
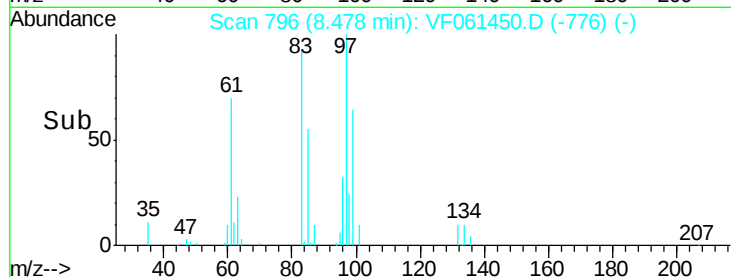
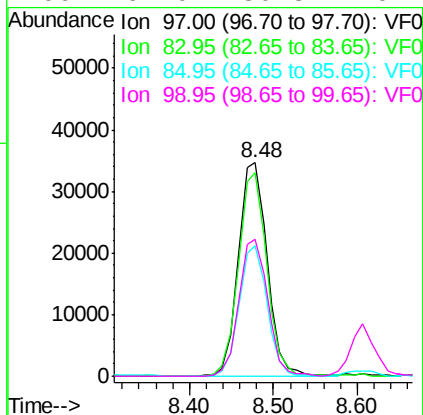
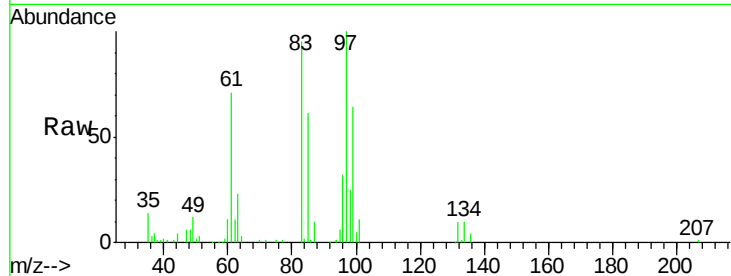
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	82776
Ion	Ratio	Lower	Upper
97	100		
83	95.1	70.4	105.6
85	61.3	44.7	67.1
99	64.0	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.804 ug/l

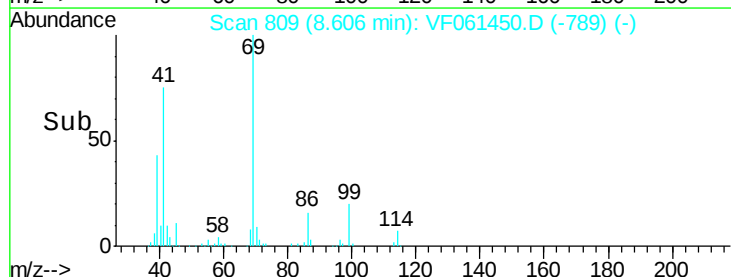
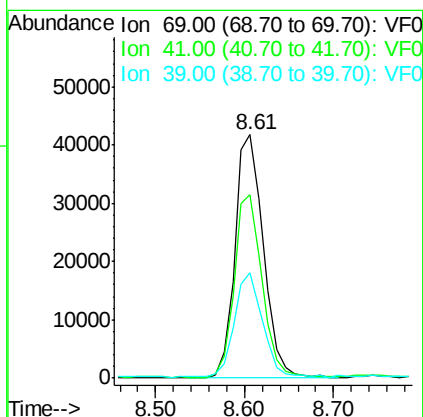
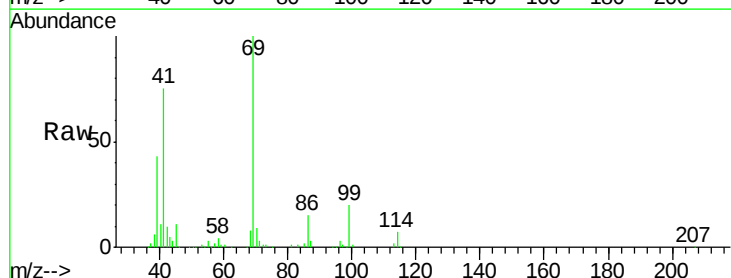
RT: 8.61 min Scan# 809

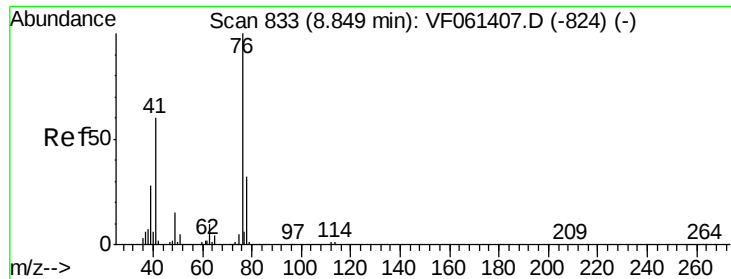
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	69	Resp:	93425
Ion	Ratio	Lower	Upper
69	100		
41	75.1	57.5	86.3
39	43.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 51.425 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 149415

Ion Ratio Lower Upper

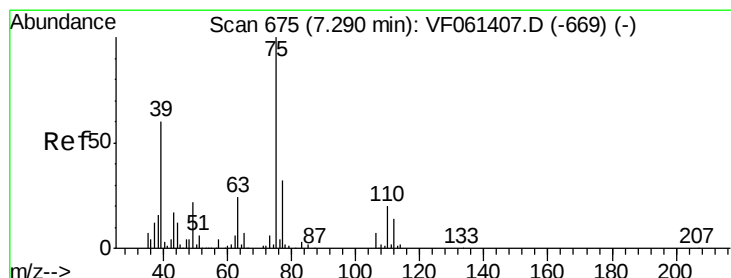
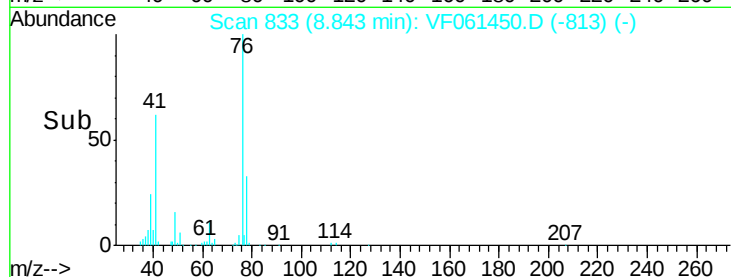
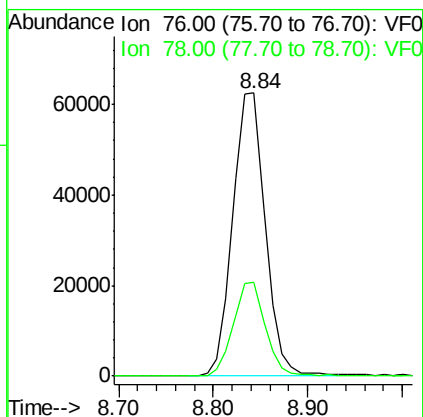
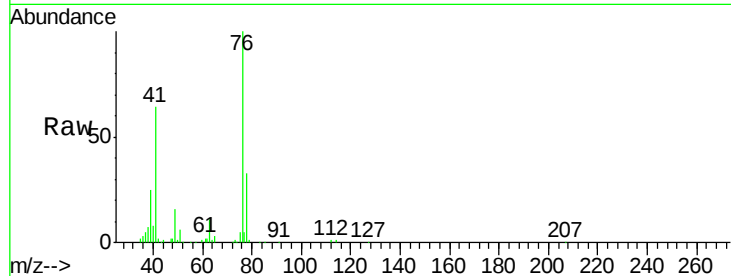
76 100

78 33.0 25.3 37.9

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 262.896 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061450.D

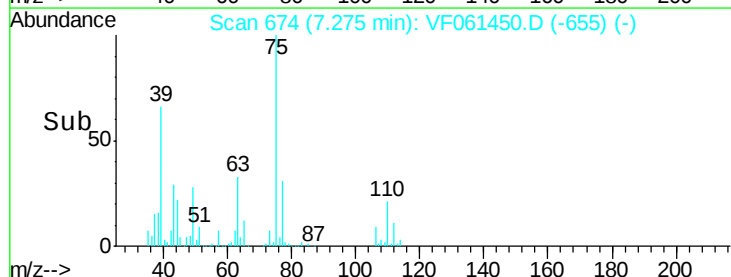
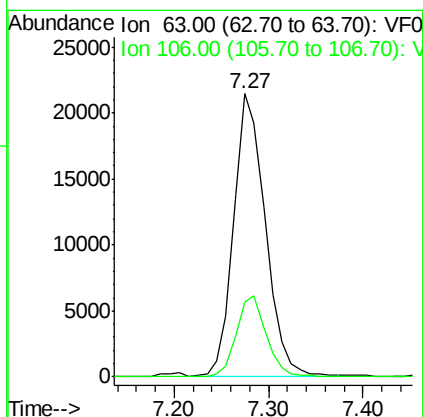
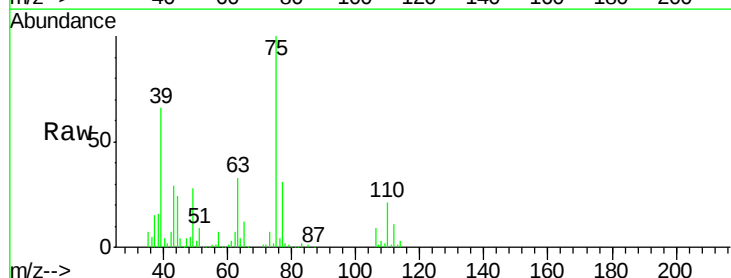
Acq: 17 Jan 2019 17:50

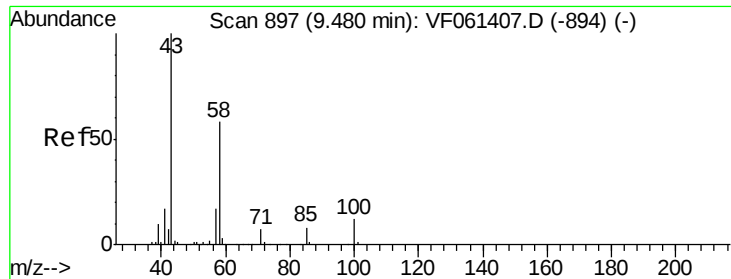
Tgt Ion: 63 Resp: 50019

Ion Ratio Lower Upper

63 100

106 26.5 21.9 32.9





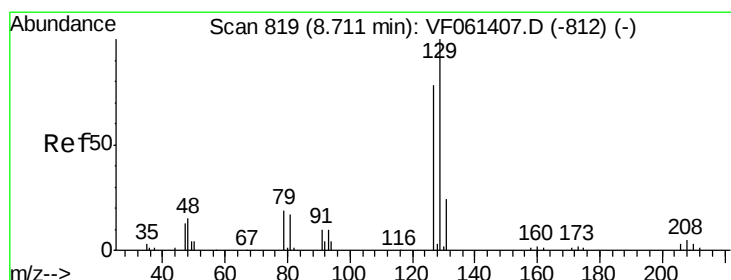
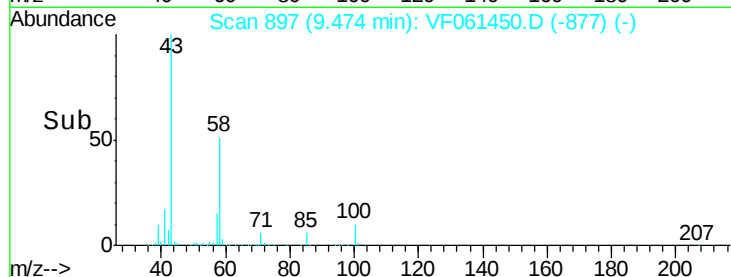
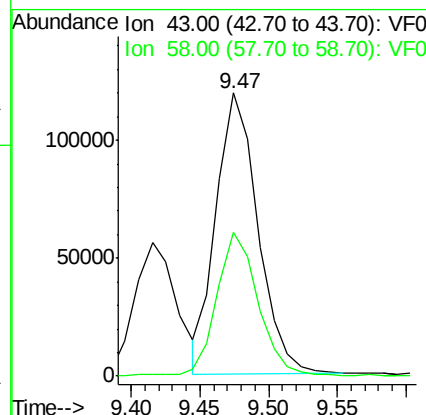
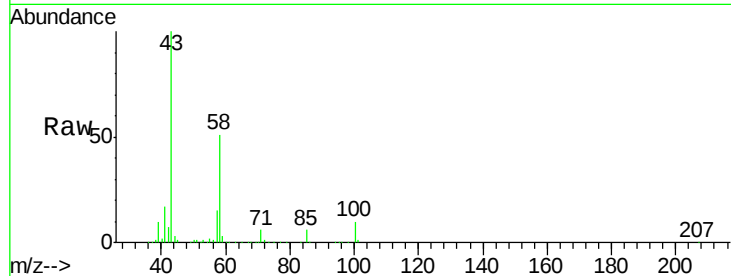
#59
2-Hexanone
Concen: 263.028 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 252000
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.6

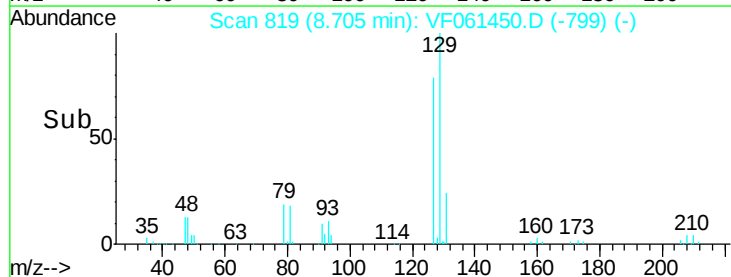
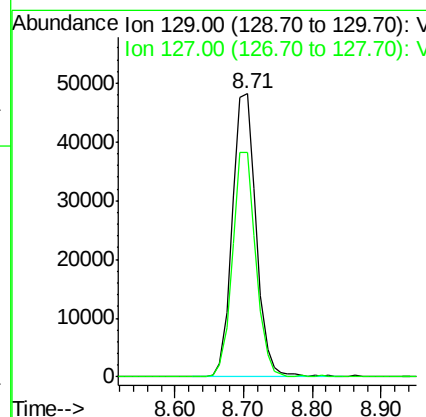
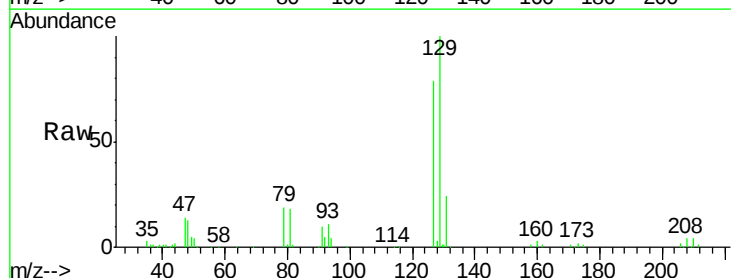
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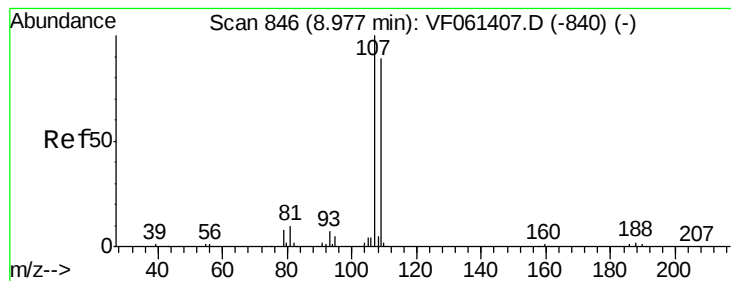
MMDadoda
1/18/2019 3:42:50 PM



#60
Dibromochloromethane
Concen: 51.067 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 129 Resp: 115728
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.532 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 89672

Ion Ratio Lower Upper

107 100

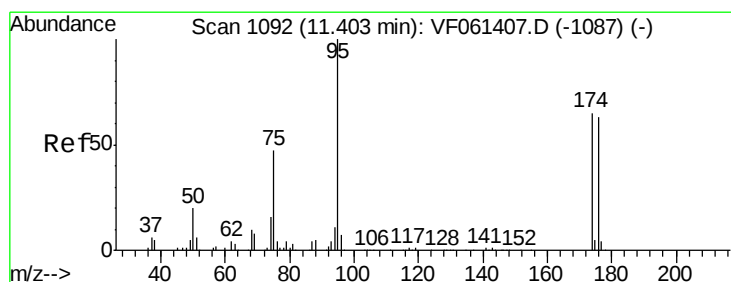
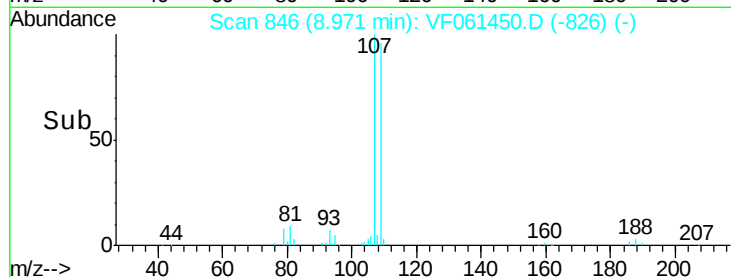
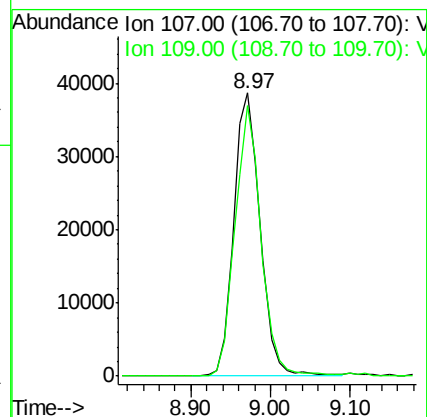
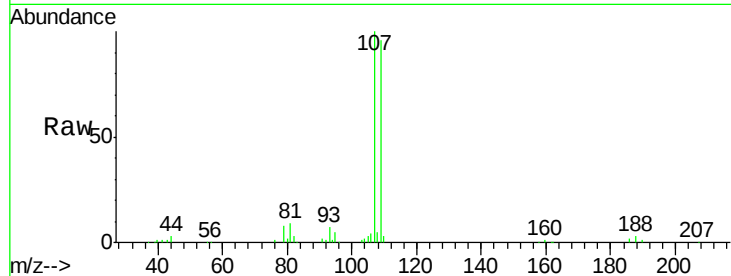
109 95.6 70.8 106.2

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#62

4-Bromofluorobenzene

Concen: 49.758 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

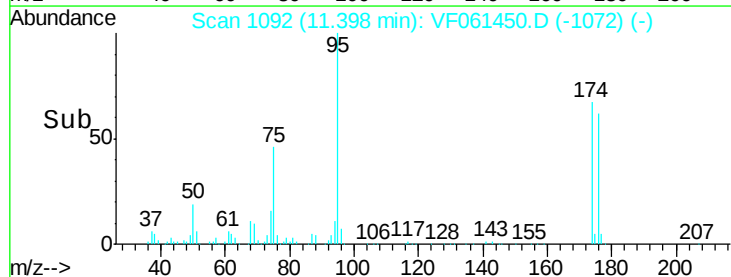
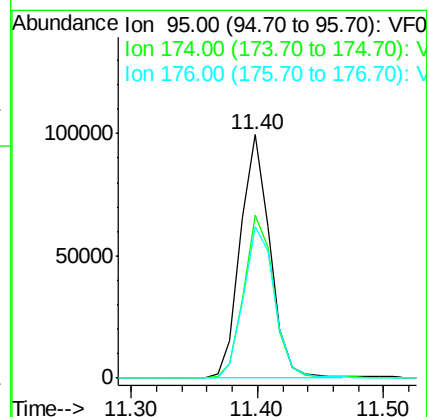
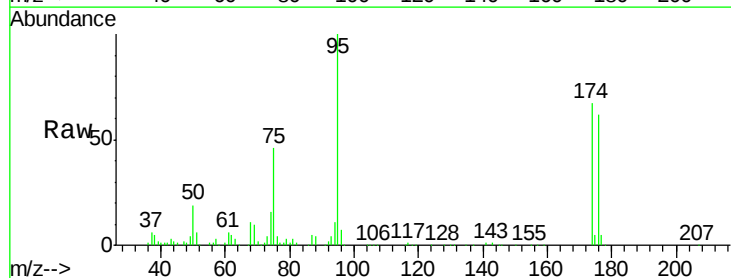
Tgt Ion: 95 Resp: 161486

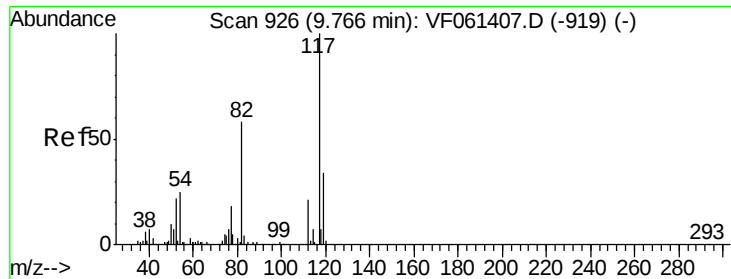
Ion Ratio Lower Upper

95 100

174 67.0 0.0 130.4

176 62.2 0.0 126.2





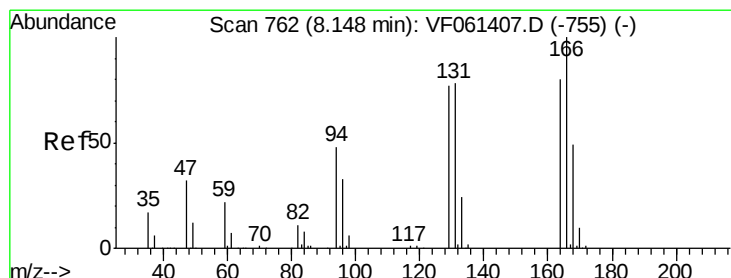
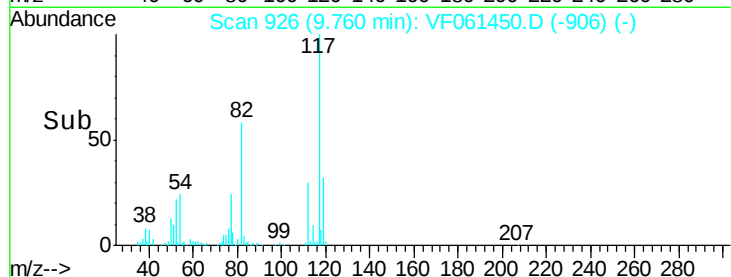
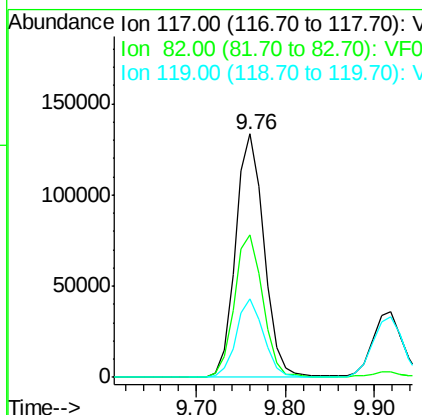
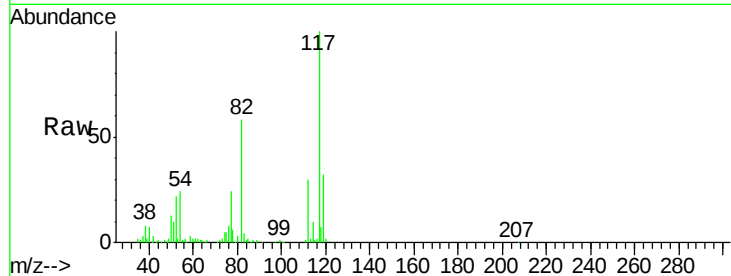
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.4	69.6
119	32.3	27.2	40.8

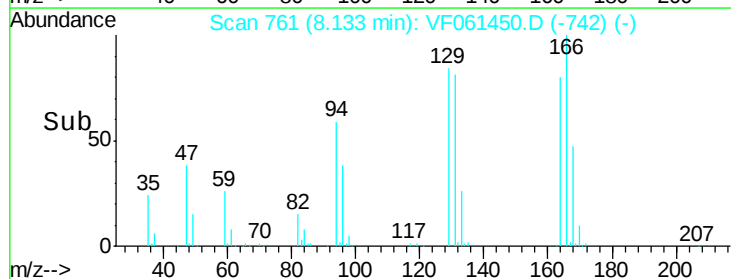
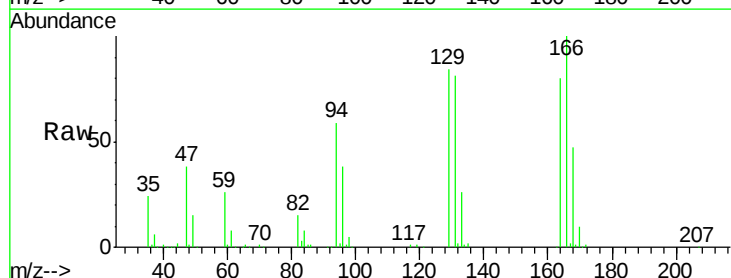
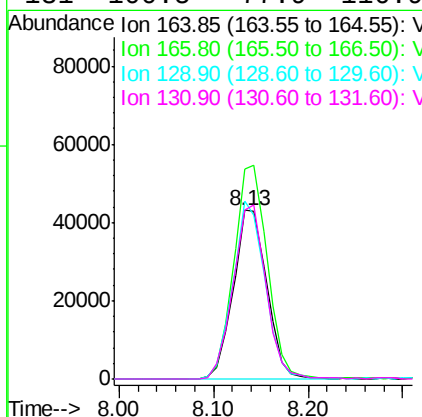
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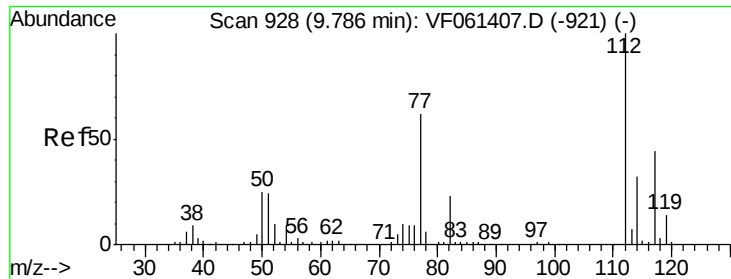
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#64
Tetrachloroethene
Concen: 47.268 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.6	149.4
129	105.1	76.4	114.6
131	100.5	77.9	116.9





#65

Chlorobenzene

Concen: 50.462 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 306007

Ion Ratio Lower Upper

112 100

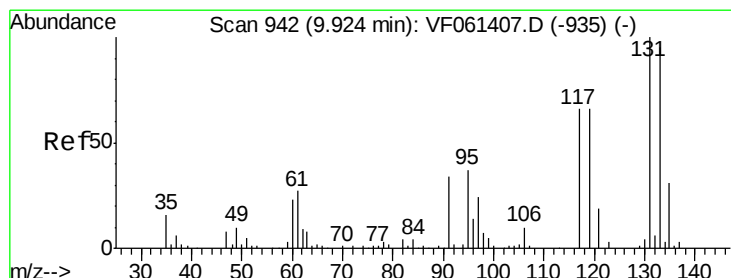
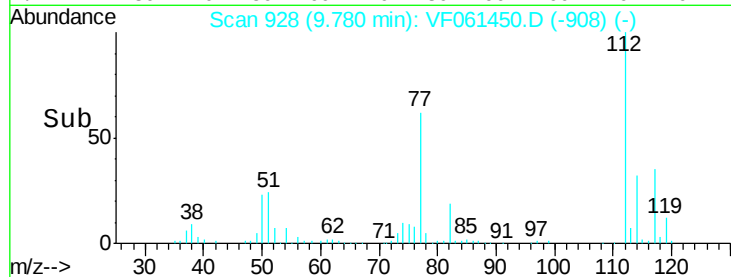
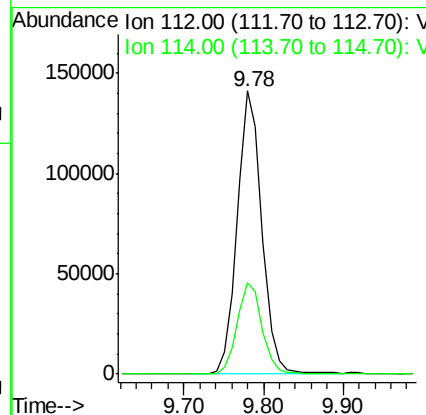
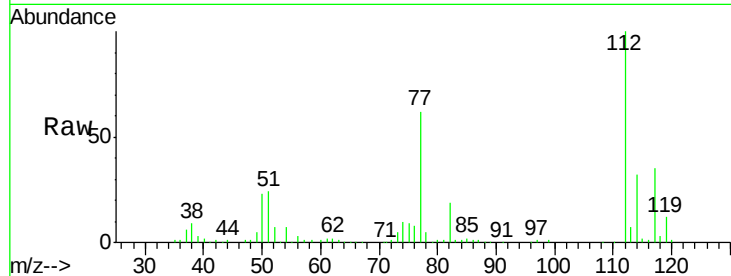
114 32.2 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.993 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

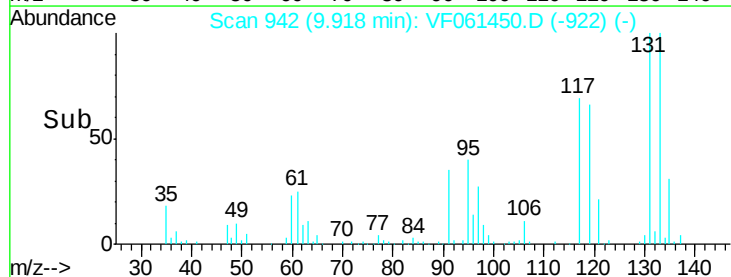
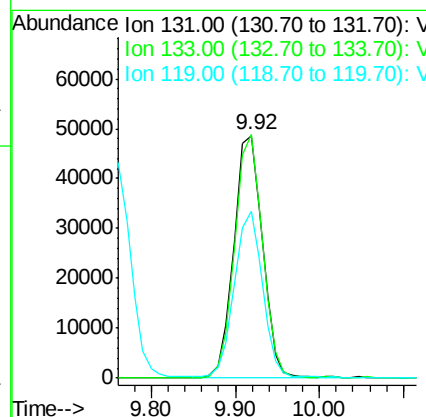
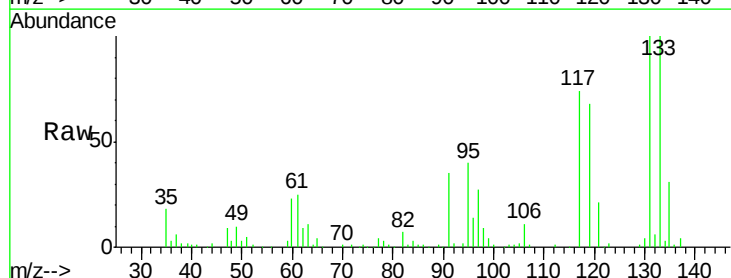
Tgt Ion:131 Resp: 115939

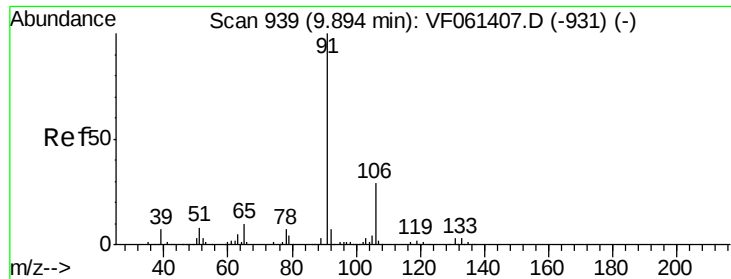
Ion Ratio Lower Upper

131 100

133 100.3 47.4 142.2

119 68.5 33.1 99.3





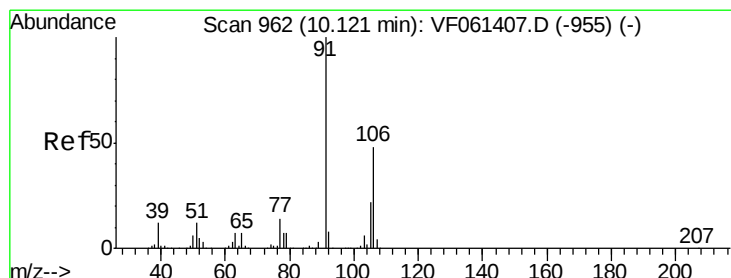
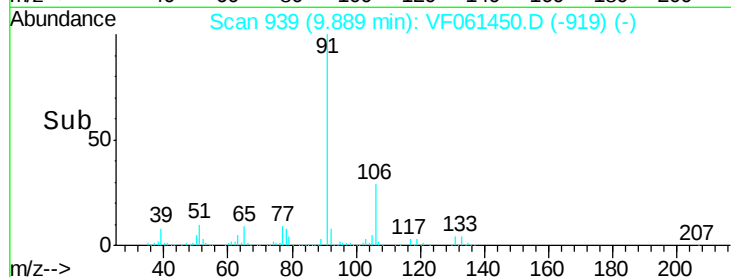
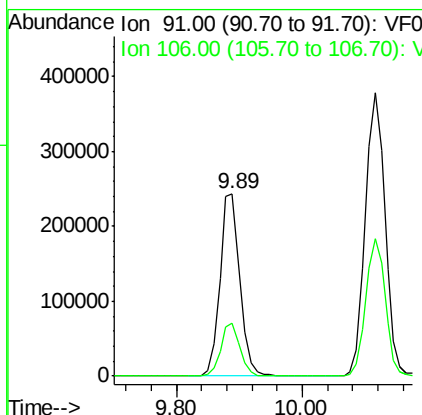
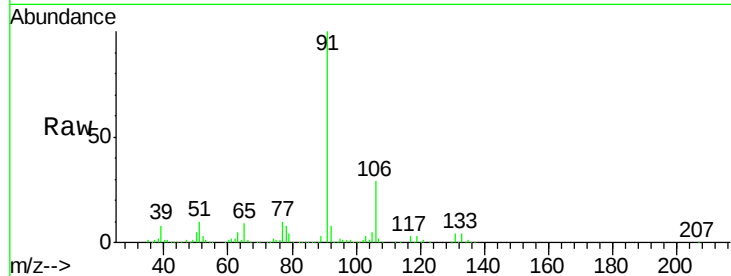
#67
Ethyl Benzene
Concen: 48.783 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 540487
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7

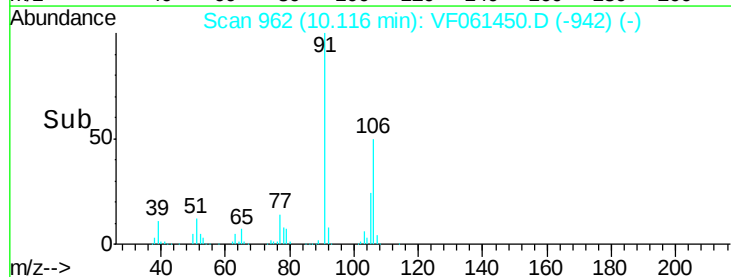
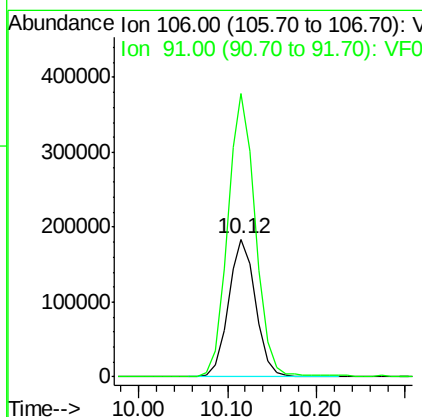
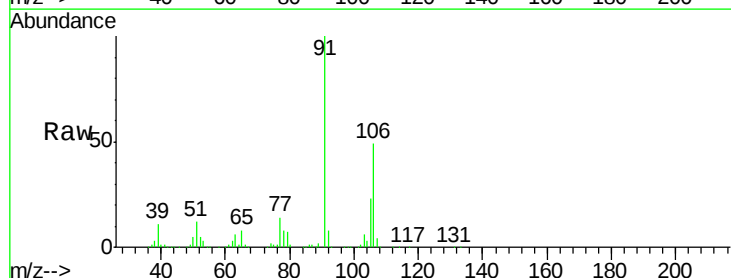
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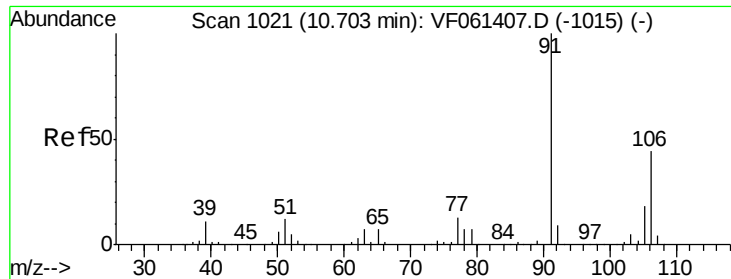
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#68
m/p-Xylenes
Concen: 98.962 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 106 Resp: 394356
Ion Ratio Lower Upper
106 100
91 205.0 166.2 249.4





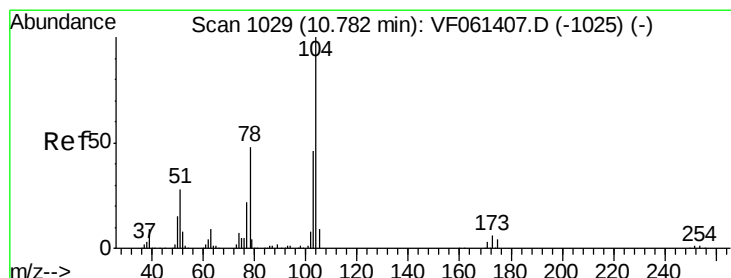
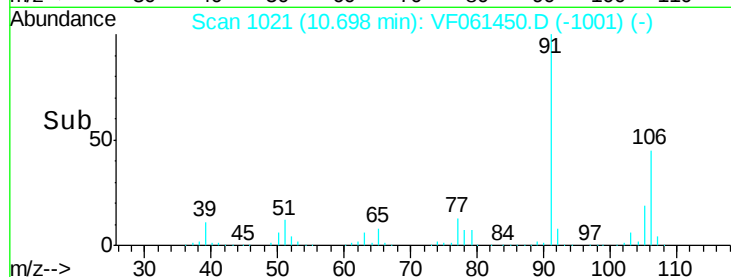
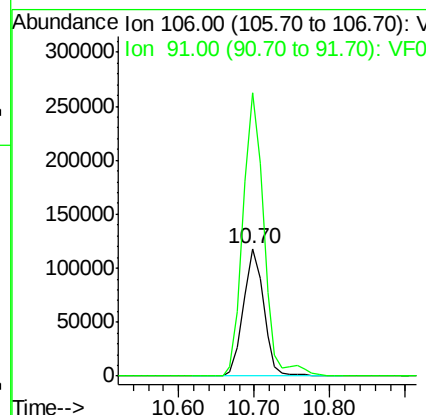
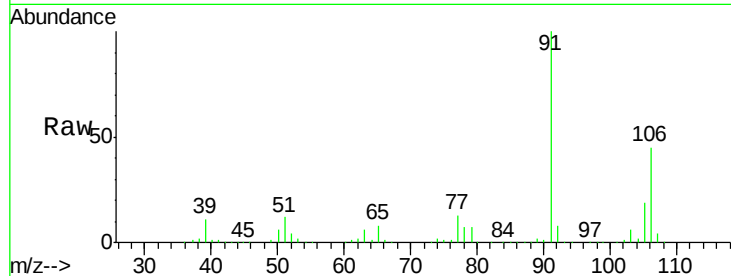
#69
o-Xylene
Concen: 50.686 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 218907
Ion Ratio Lower Upper
106 100
91 221.9 113.3 339.8

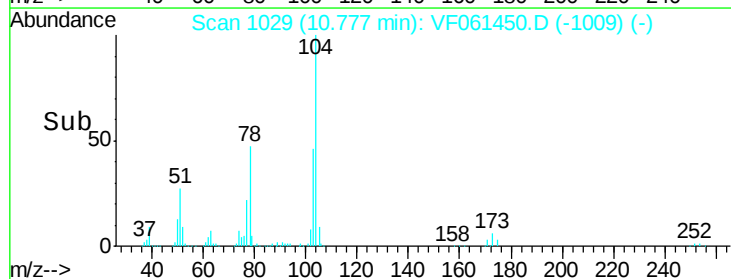
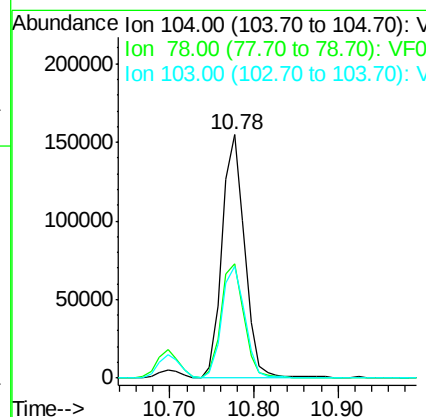
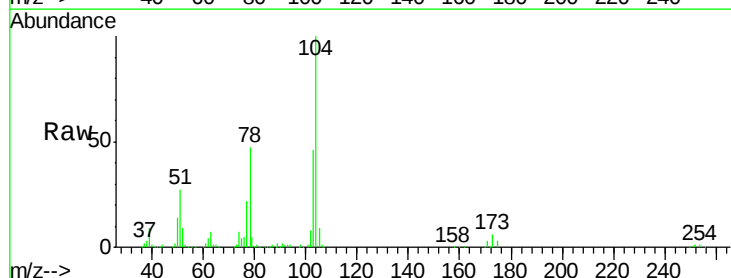
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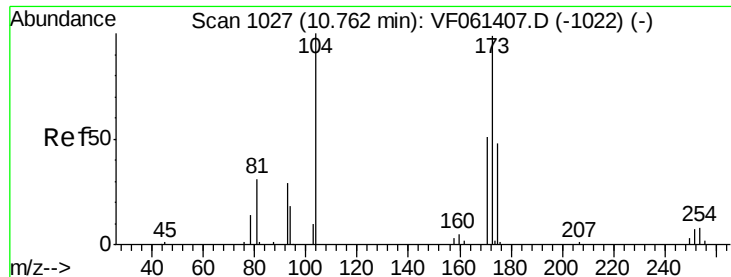
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#70
Styrene
Concen: 48.642 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion:104 Resp: 287564
Ion Ratio Lower Upper
104 100
78 47.0 38.8 58.2
103 45.9 37.0 55.6





#71

Bromoform

Concen: 50.931 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 55281

Ion Ratio Lower Upper

173 100

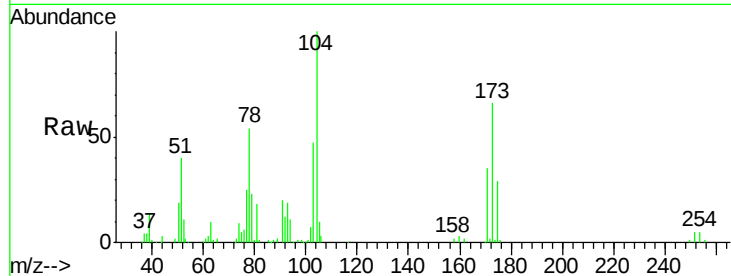
175 44.2 24.1 72.4

254 0.0 0.0 0.0

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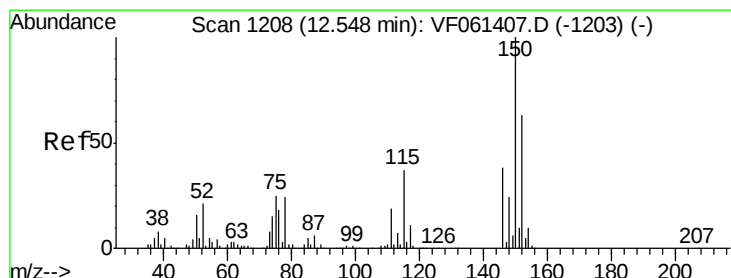
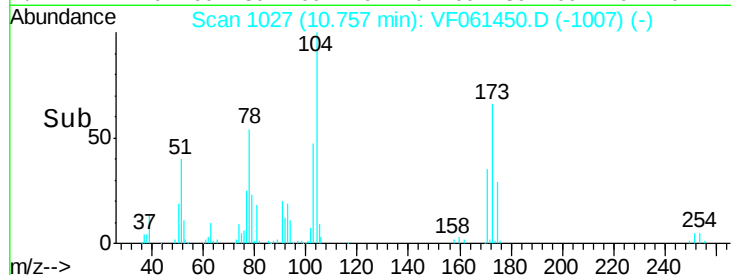
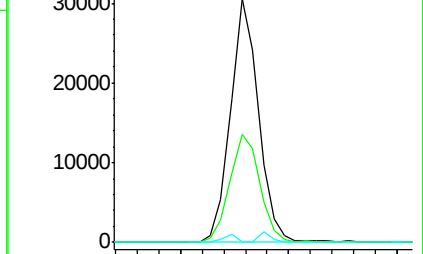
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

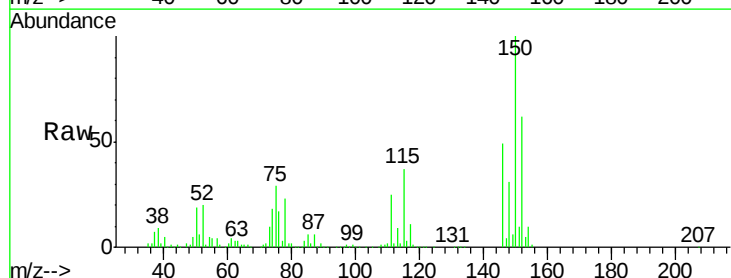
Tgt Ion:152 Resp: 141431

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

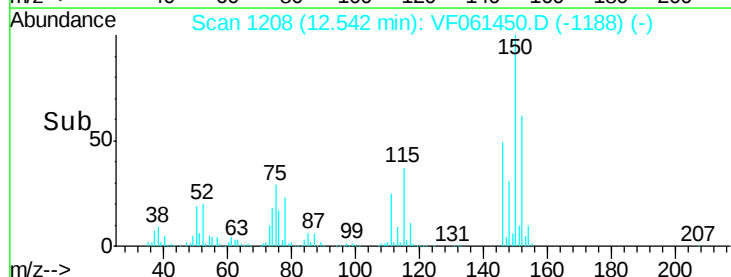
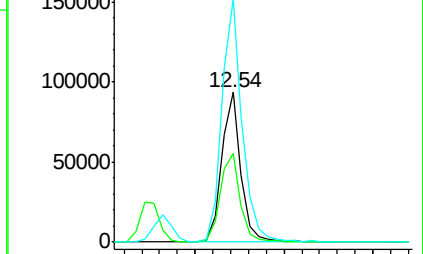
150 162.4 0.0 321.4

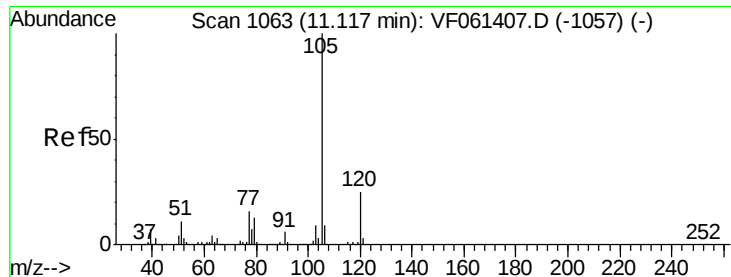


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.940 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 620461

Ion Ratio Lower Upper

105 100

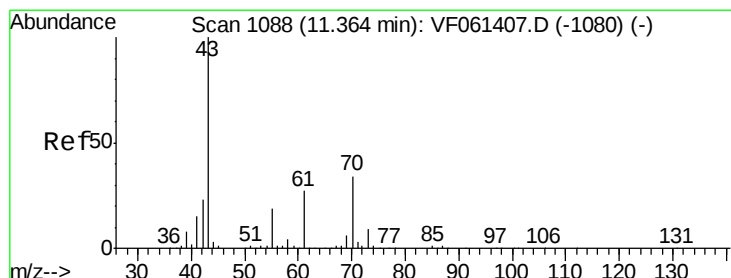
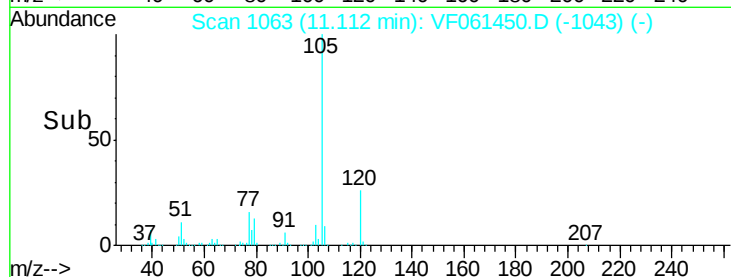
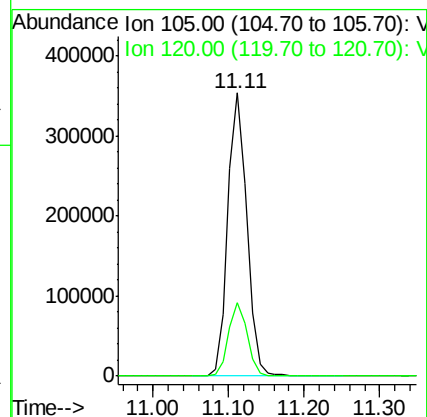
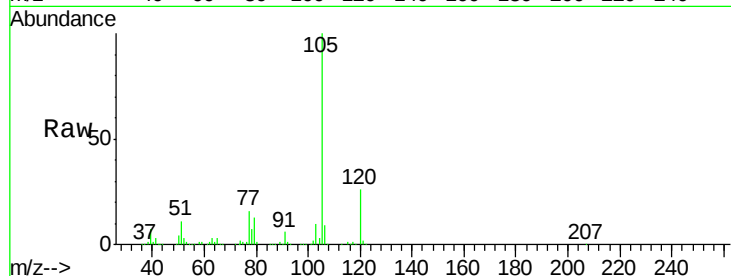
120 26.0 12.6 37.8

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#74

N-ethyl acetate

Concen: 53.612 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion: 43 Resp: 145826

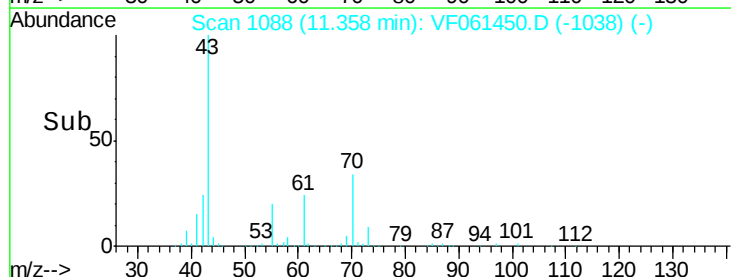
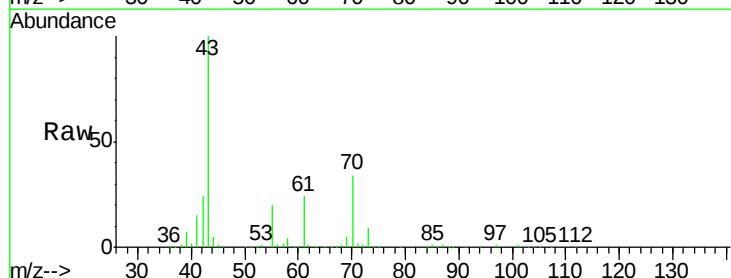
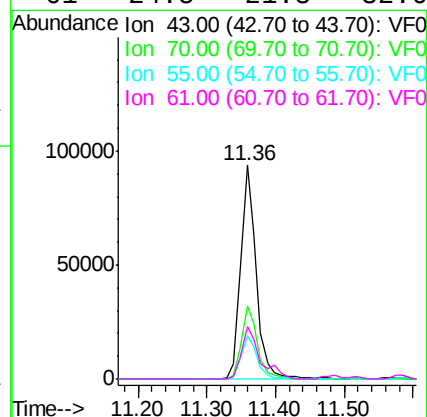
Ion Ratio Lower Upper

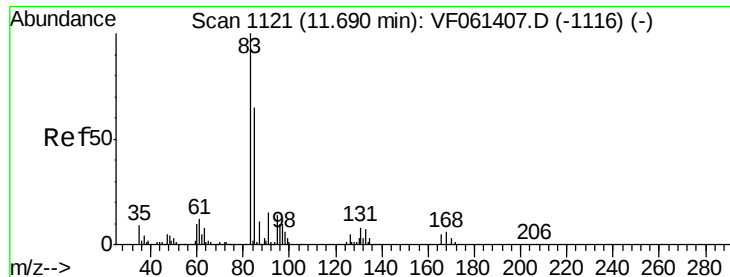
43 100

70 34.1 27.6 41.4

55 20.3 15.4 23.2

61 24.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.471 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 107523
Ion Ratio Lower Upper

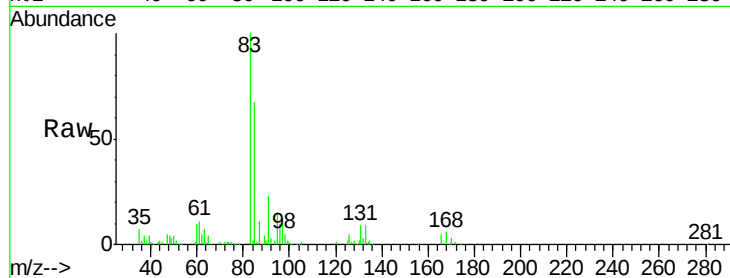
83 100

131 9.2 4.0 12.2

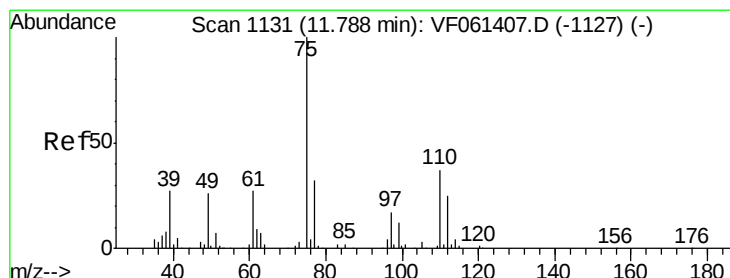
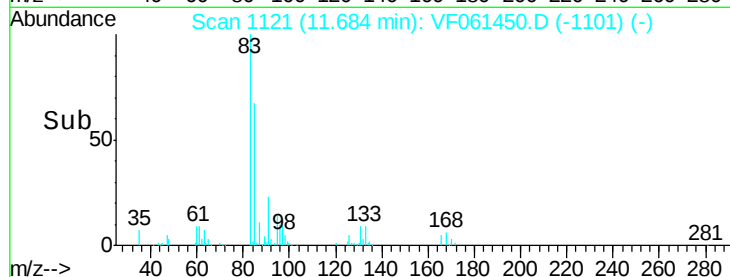
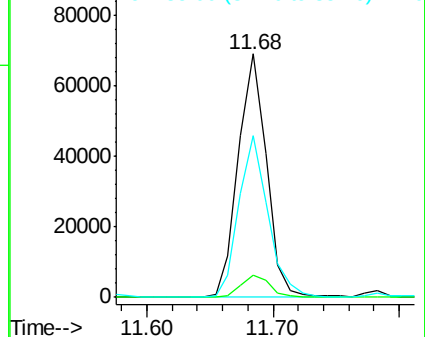
85 66.6 32.7 98.1

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 52.128 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

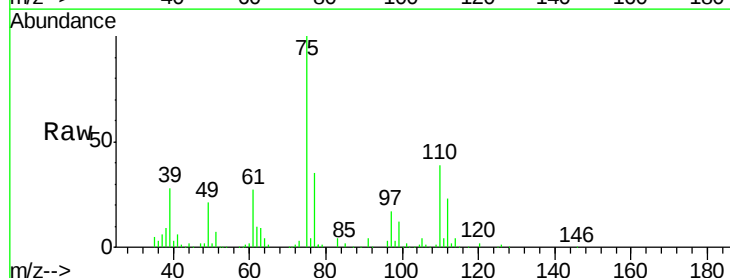
Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

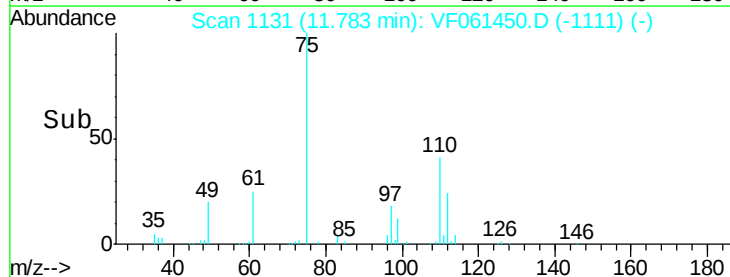
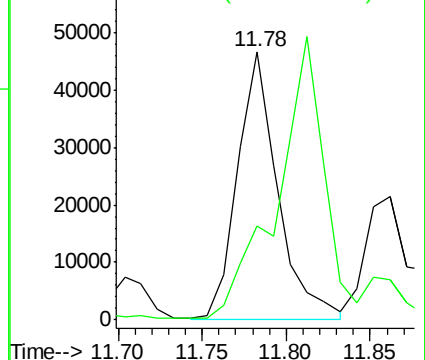
Tgt Ion: 75 Resp: 76755
Ion Ratio Lower Upper

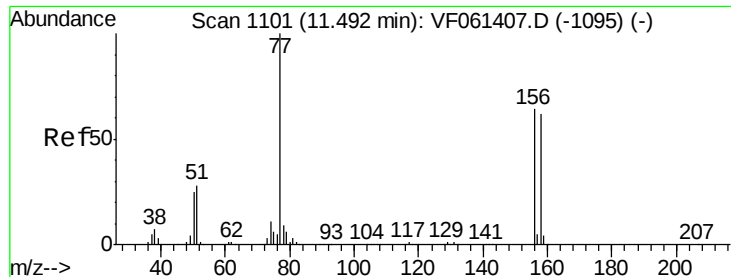
75 100

77 34.8 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.503 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

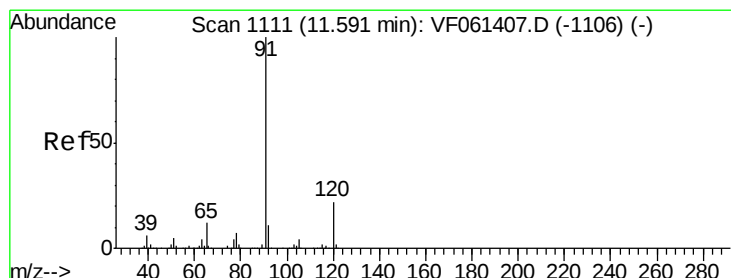
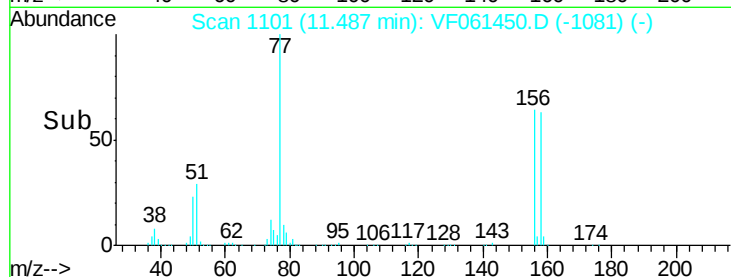
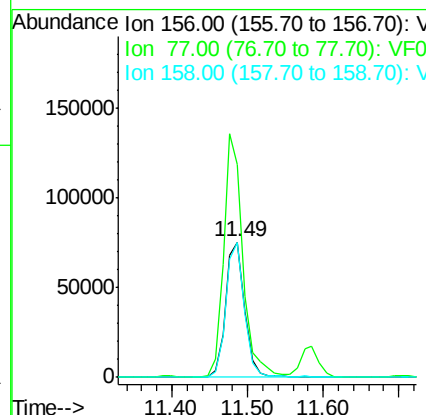
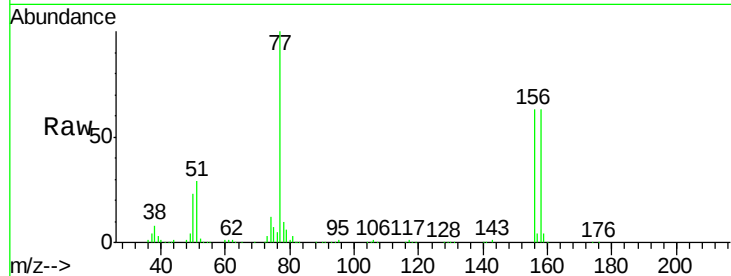
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	132405
Ion Ratio	Lower	Upper	
156	100		
77	157.5	78.3	234.9
158	99.3	48.9	146.7

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#78

n-propylbenzene

Concen: 50.137 ug/l

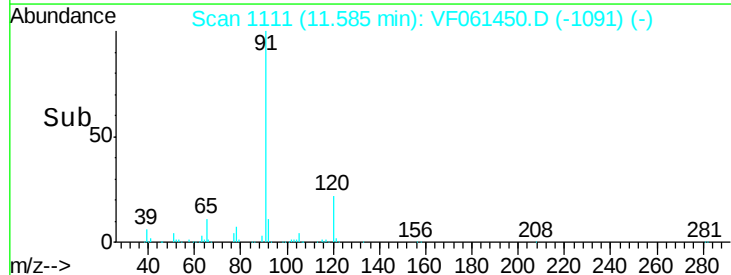
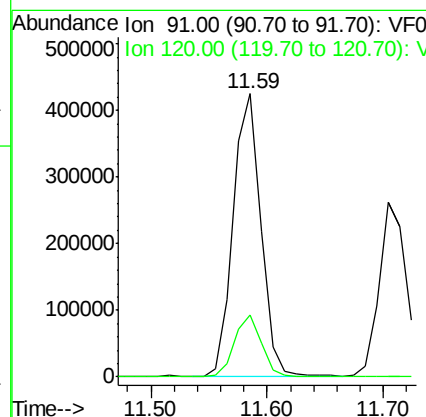
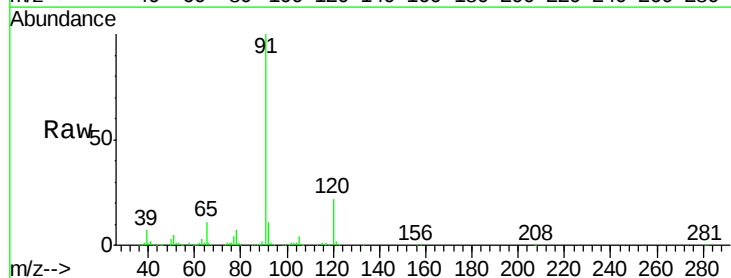
RT: 11.59 min Scan# 1111

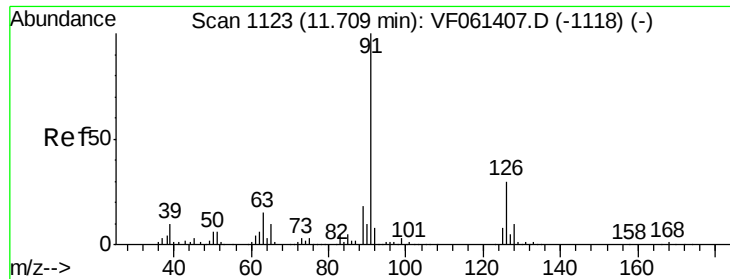
Delta R.T. -0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	91	Resp:	702170
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.6





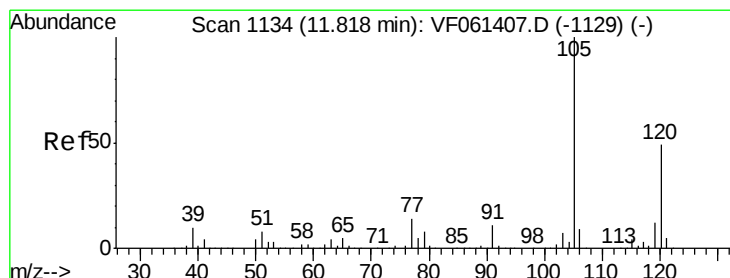
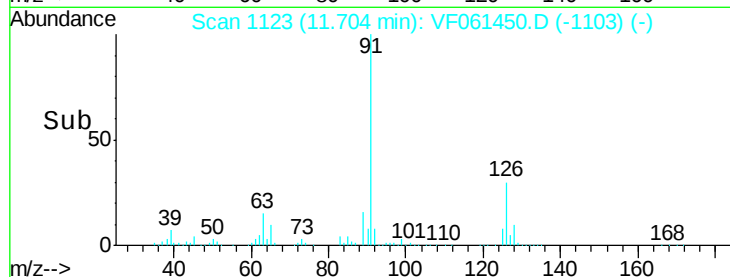
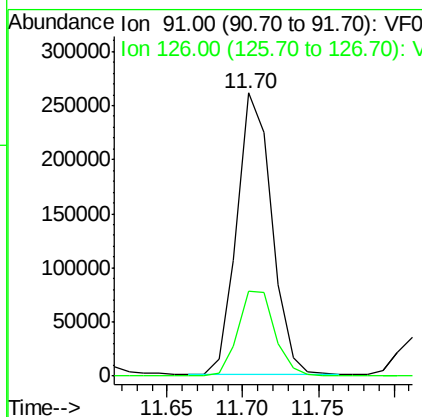
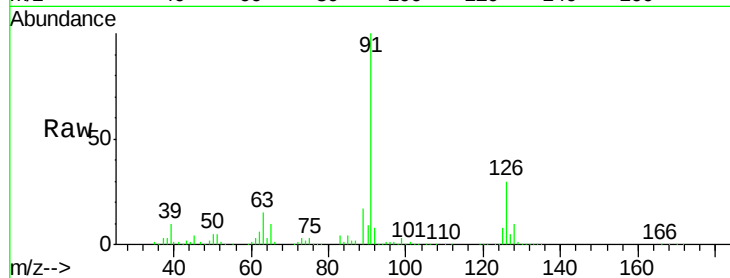
#79
2-Chlorotoluene
Concen: 52.460 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 418691
Ion Ratio Lower Upper
91 100
126 30.2 15.0 45.1

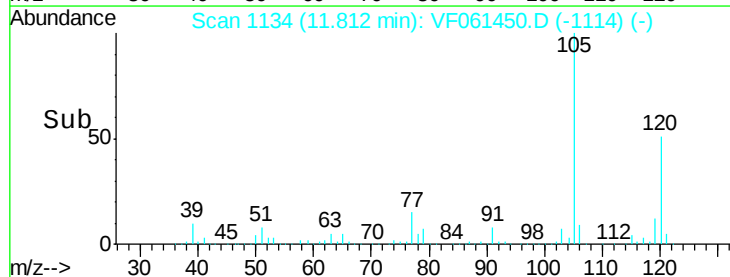
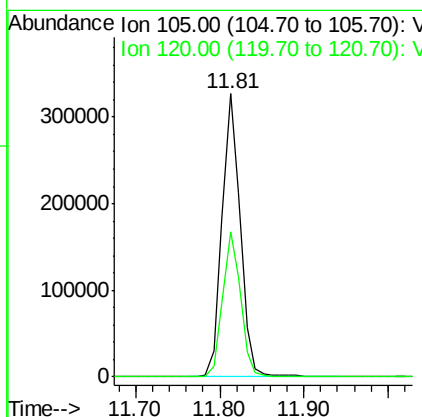
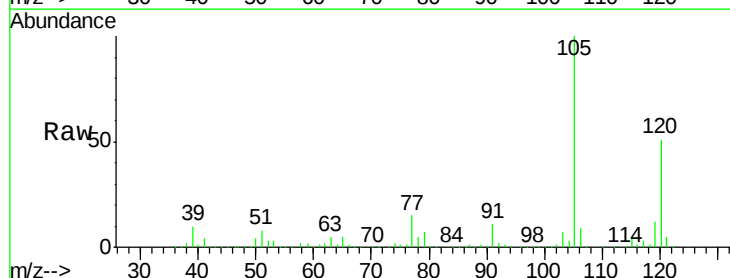
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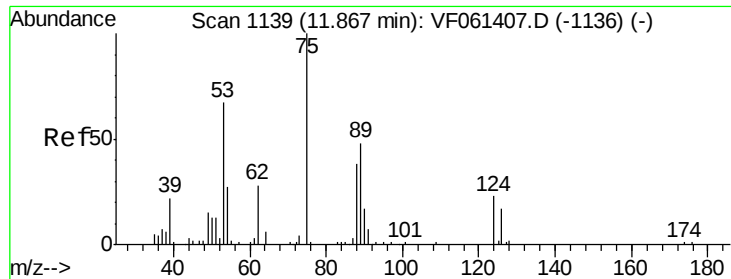
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#80
1,3,5-Trimethylbenzene
Concen: 53.076 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 105 Resp: 492702
Ion Ratio Lower Upper
105 100
120 51.5 24.7 74.1





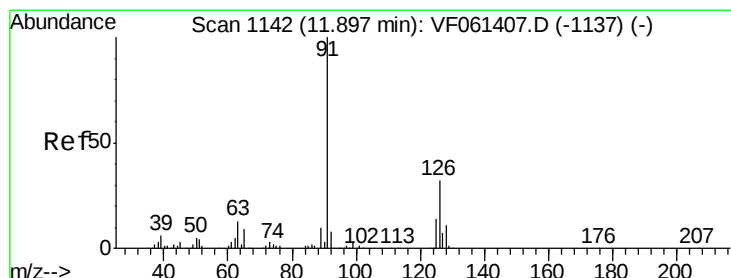
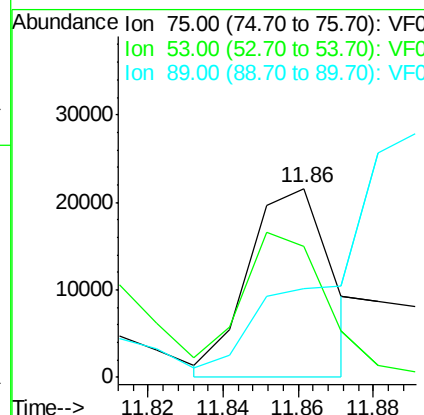
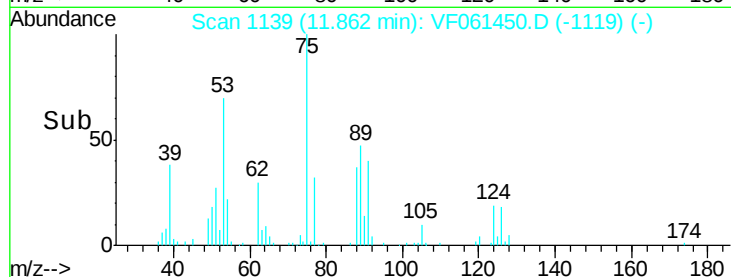
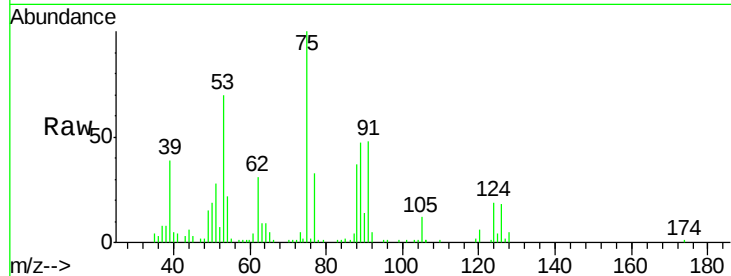
#81
trans-1,4-Dichloro-2-butene
Concen: 51.588 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	69.7	57.8	86.6
89	47.3	40.7	61.1

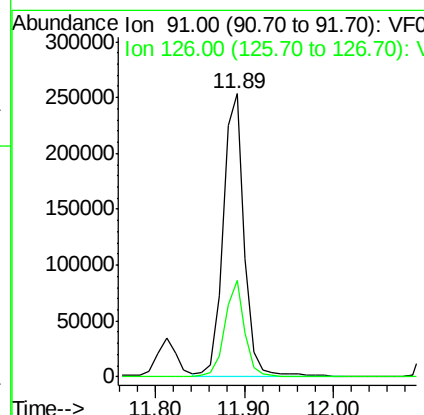
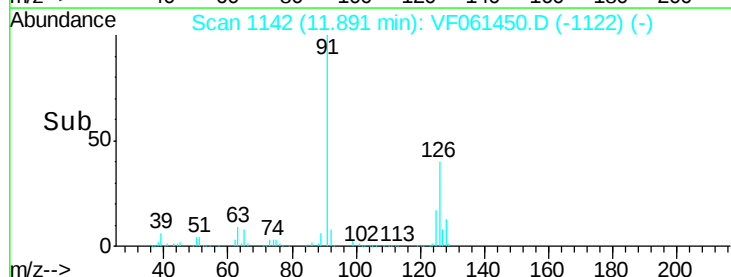
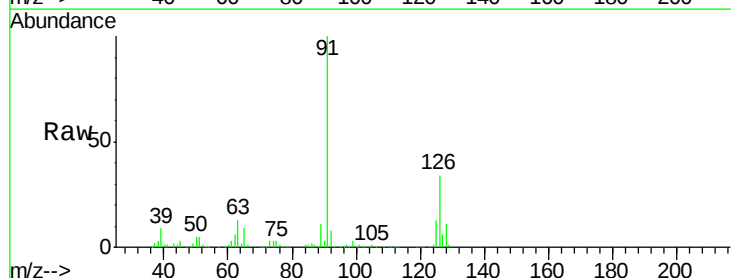
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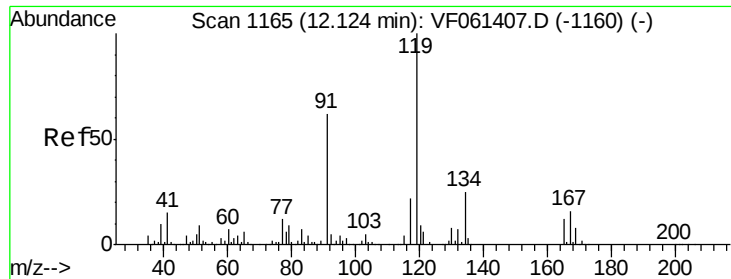
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#82
4-Chlorotoluene
Concen: 51.569 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.0	47.9





#83

tert-Butylbenzene

Concen: 52.404 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

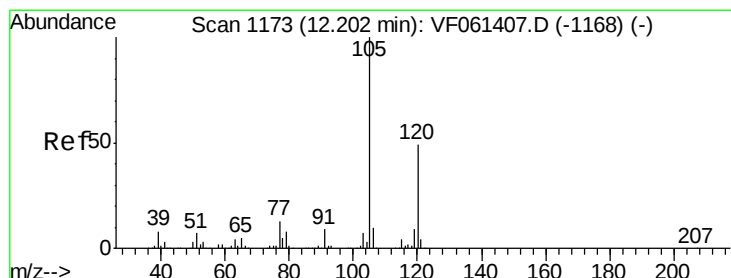
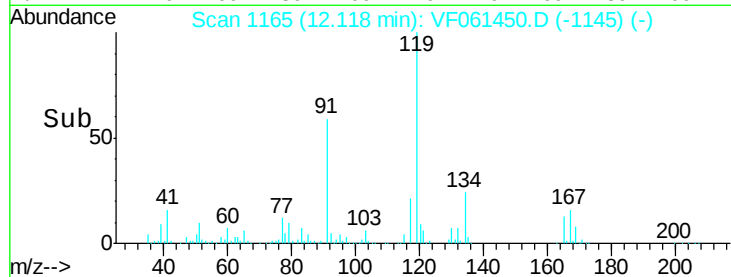
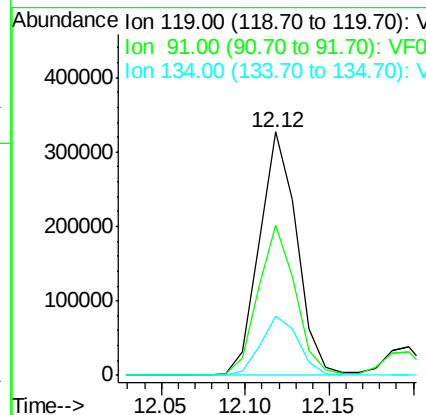
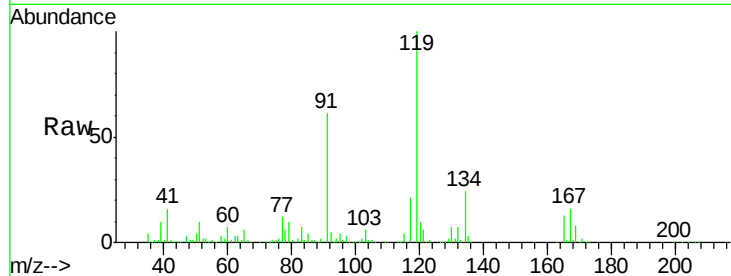
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	503504
Ion Ratio	Lower	Upper	
119	100		
91	61.5	31.3	93.8
134	24.4	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 51.118 ug/l

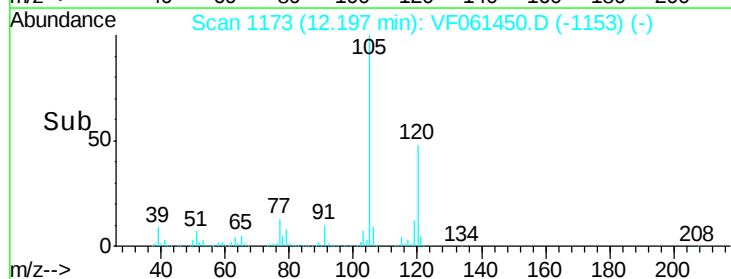
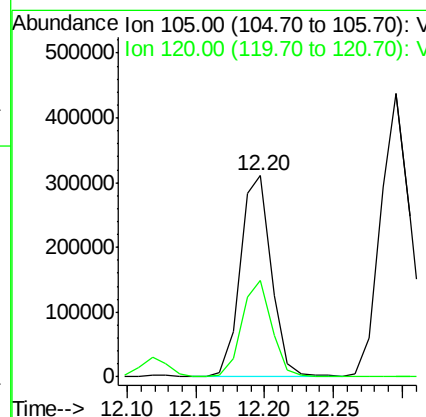
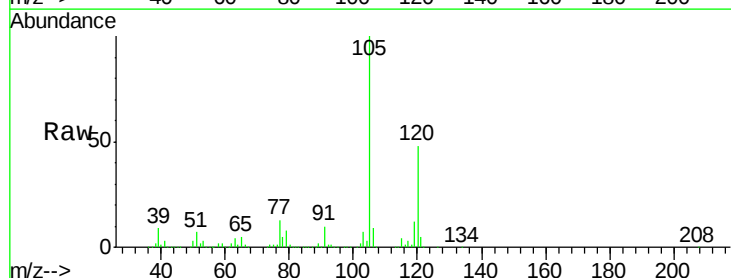
RT: 12.20 min Scan# 1173

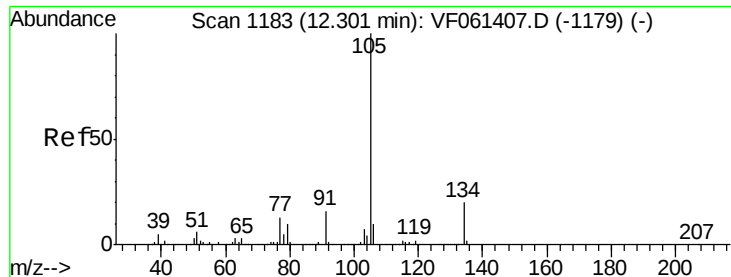
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	105	Resp:	488792
Ion Ratio	Lower	Upper	
105	100		
120	48.2	24.9	74.6





#85

sec-Butylbenzene

Concen: 50.337 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 656797

Ion Ratio Lower Upper

105 100

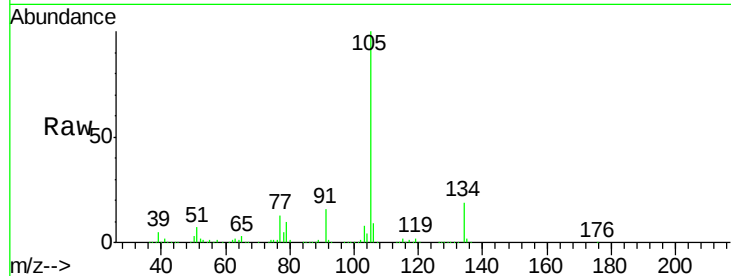
134 19.2 10.0 30.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

400000

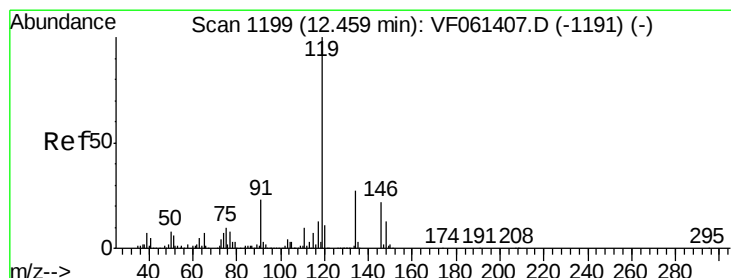
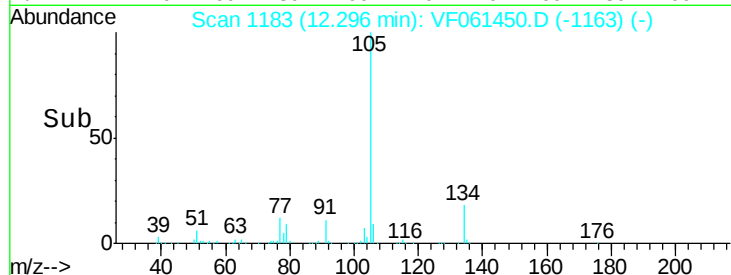
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.554 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

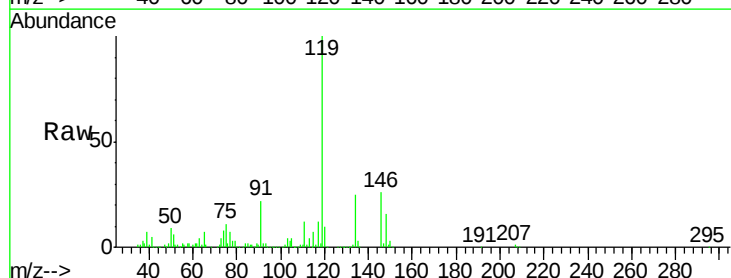
Tgt Ion:119 Resp: 562911

Ion Ratio Lower Upper

119 100

134 25.0 13.4 40.2

91 21.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.45

400000

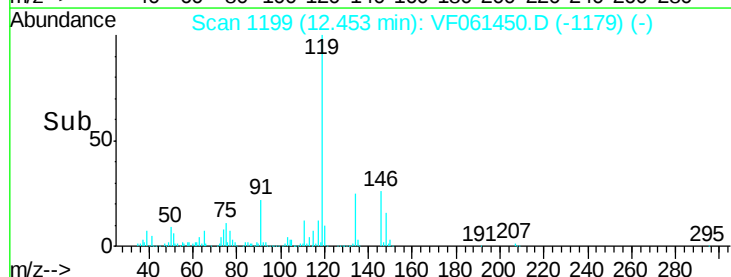
300000

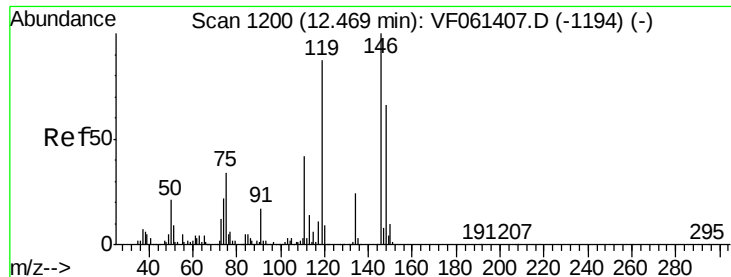
200000

100000

0

Time-->





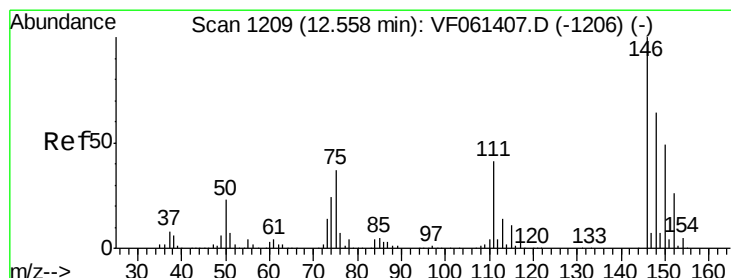
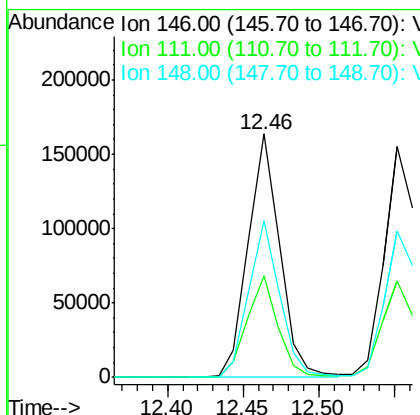
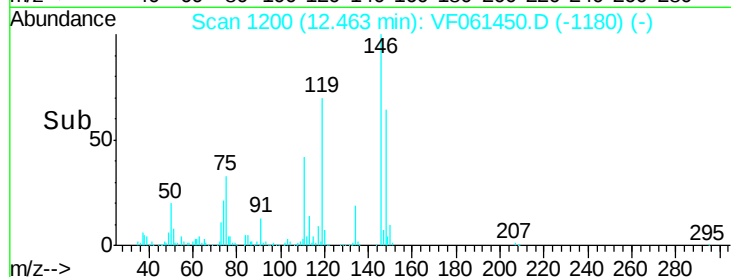
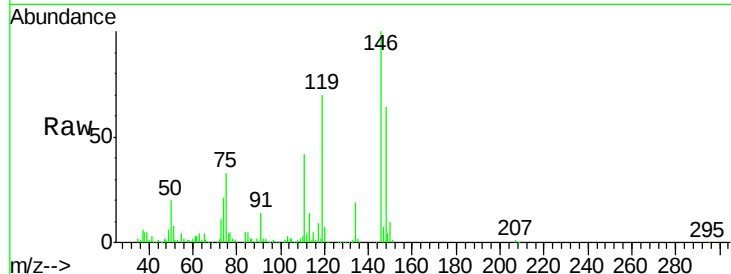
#87
 1,3-Dichlorobenzene
 Concen: 49.773 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.4
148	64.1	32.9	98.6

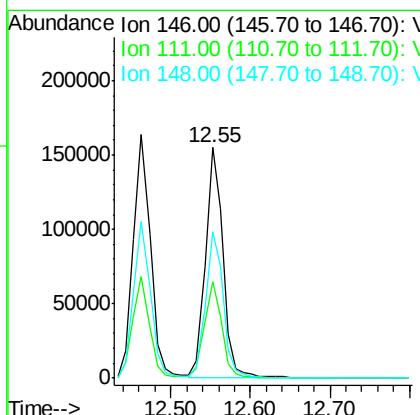
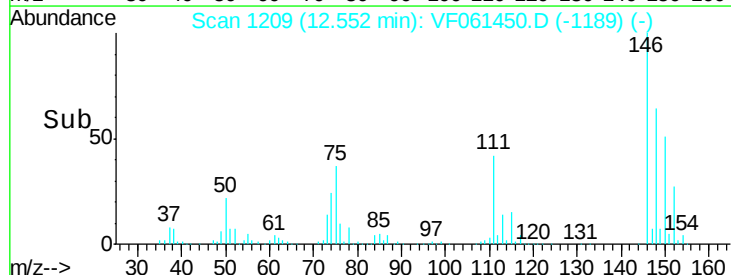
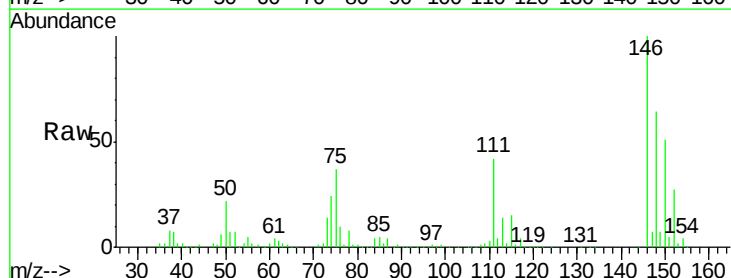
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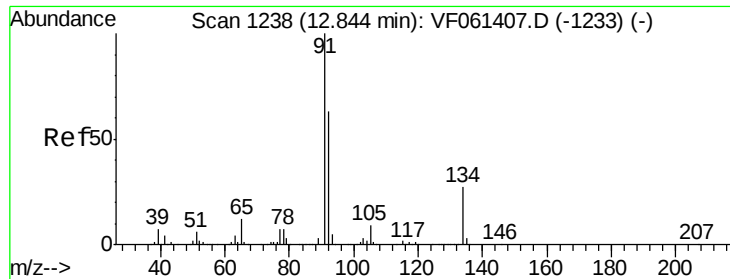
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#88
 1,4-Dichlorobenzene
 Concen: 51.896 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	63.8	32.1	96.5





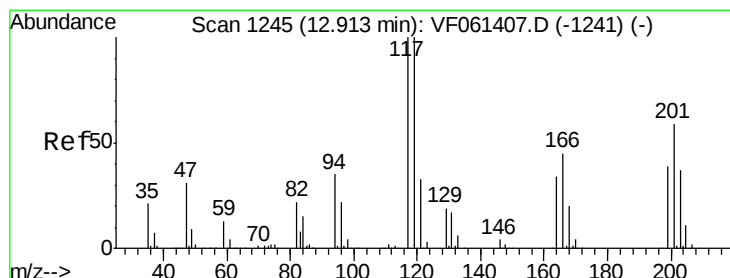
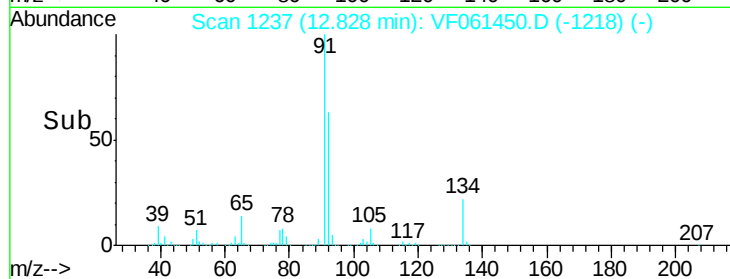
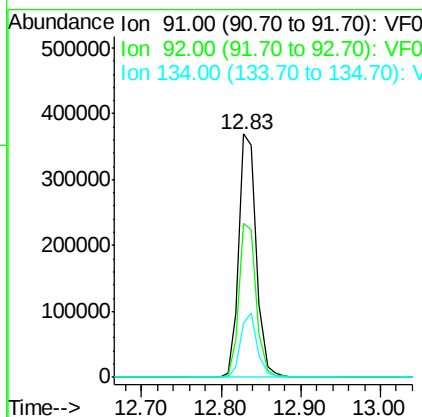
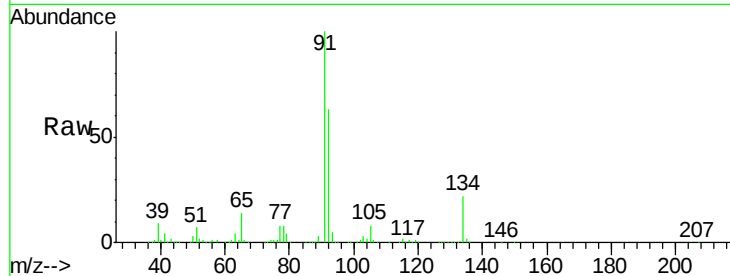
#89
n-Butylbenzene
Concen: 51.892 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.2	31.6	94.7
134	22.1	13.6	40.8

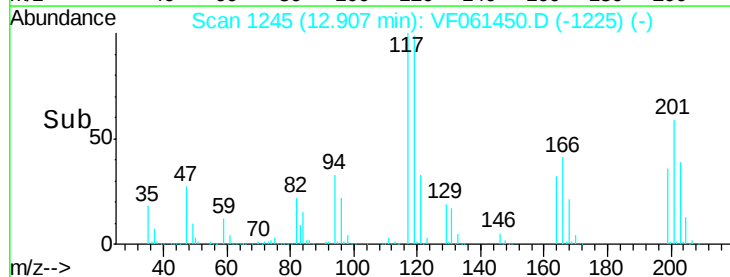
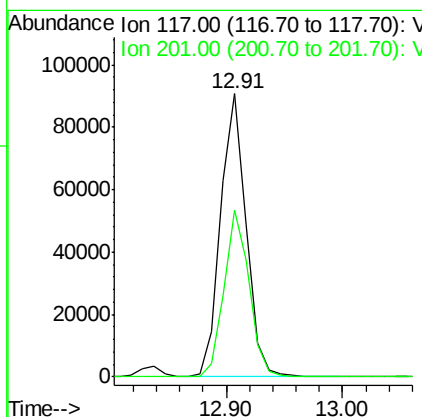
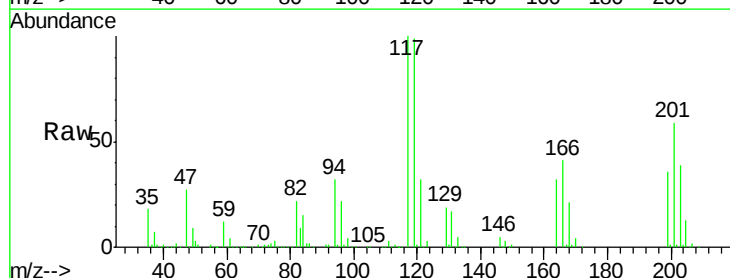
Manual Integrations
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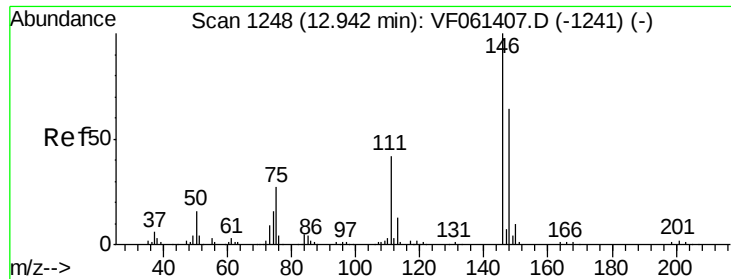
MMDadoda
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#90
Hexachloroethane
Concen: 54.782 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.1	29.3	87.8





#91

1,2-Dichlorobenzene

Concen: 50.425 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

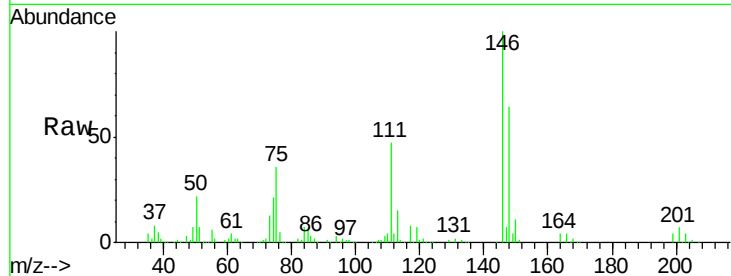
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	229154
Ion Ratio		Lower	Upper
146	100		
111	46.9	21.1	63.3
148	64.1	31.9	95.7

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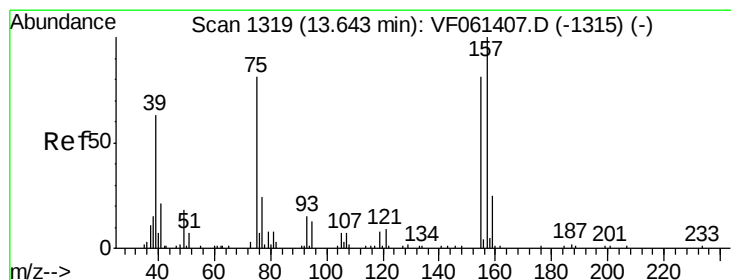
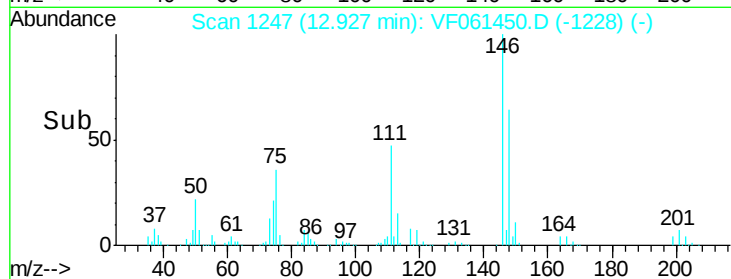
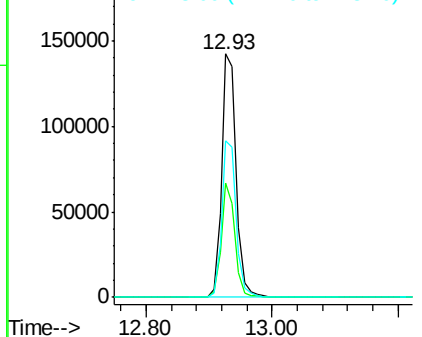
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.667 ug/l

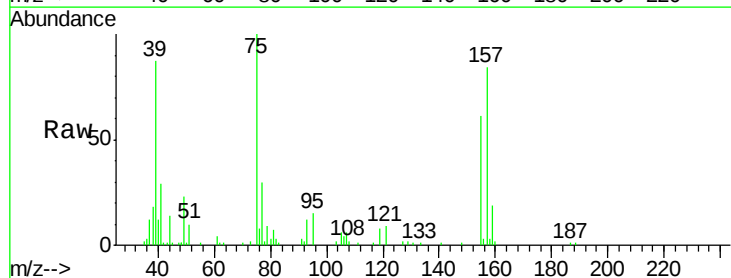
RT: 13.63 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

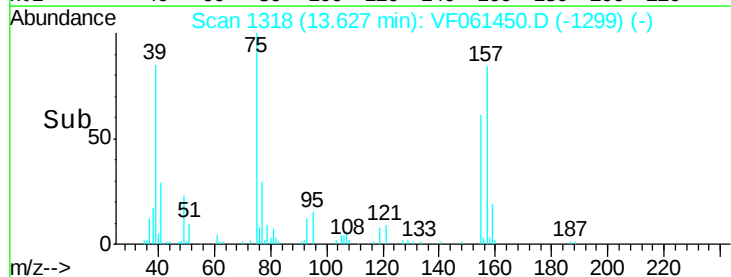
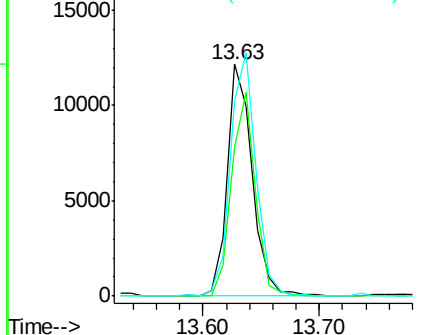
Tgt Ion:	75	Resp:	18052
Ion Ratio		Lower	Upper
75	100		
155	64.2	49.7	149.1
157	84.4	61.4	184.1

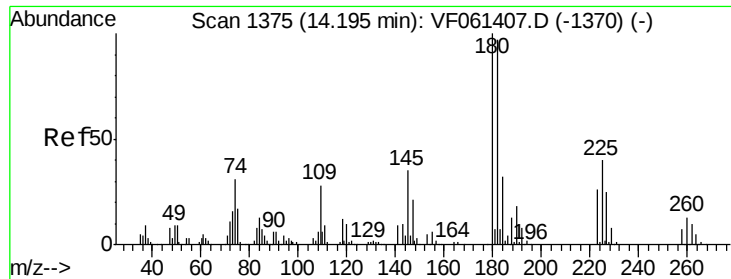


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





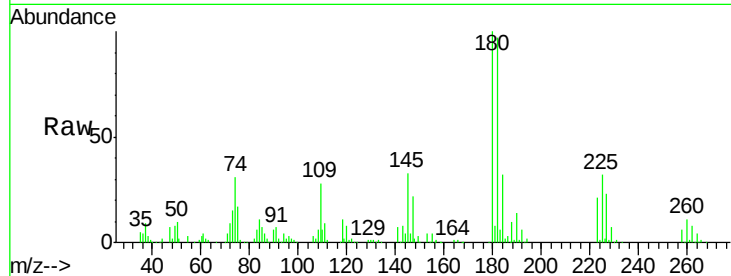
#93
 1,2,4-Trichlorobenzene
 Concen: 48.213 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

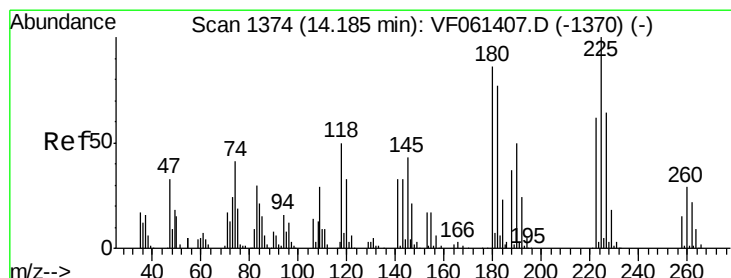
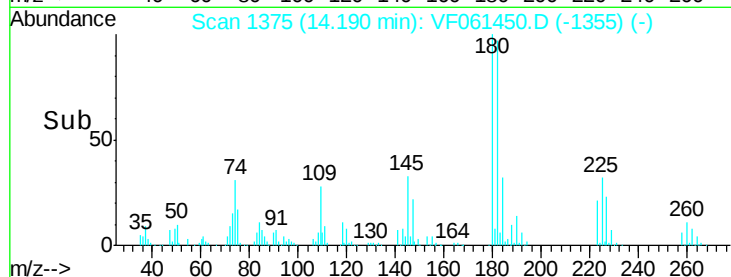
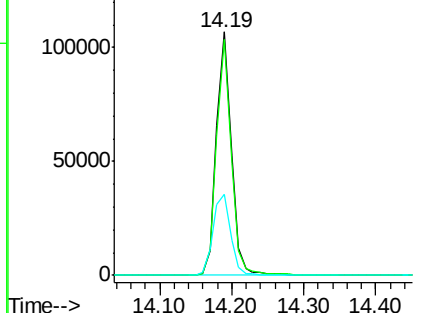
Tot Ion	Ratio	Resp	Lower	Upper
180	100	153487		
182	97.0	48.5	145.6	
145	33.4	17.5	52.6	

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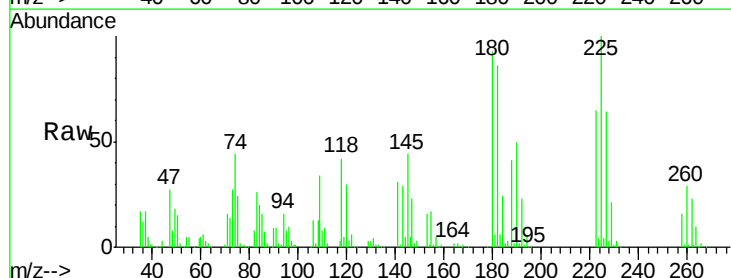


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

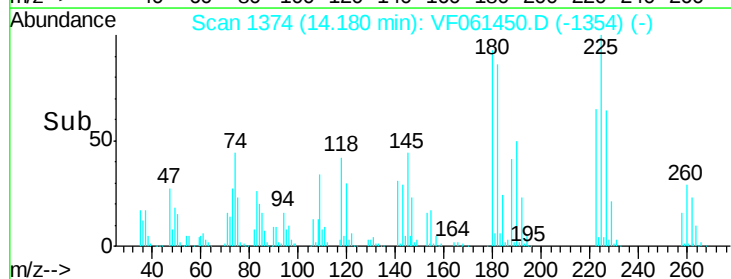
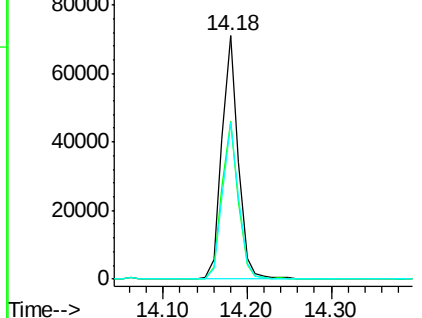


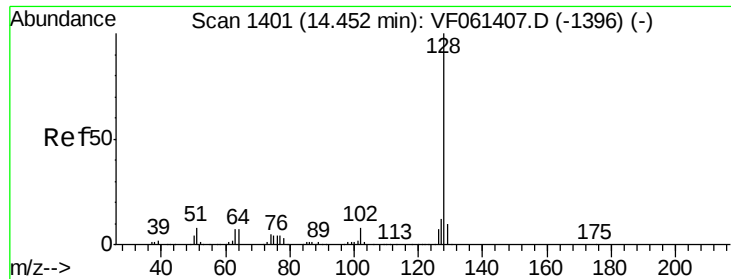
#94
 Hexachlorobutadiene
 Concen: 48.657 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96119		
223	65.1	31.1	93.2	
227	64.1	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: 47.624 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

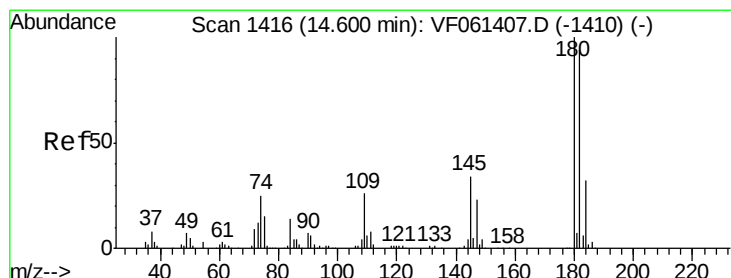
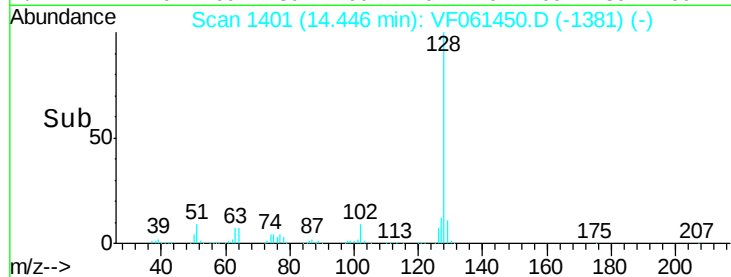
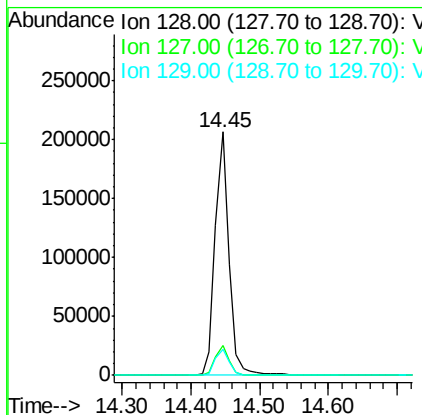
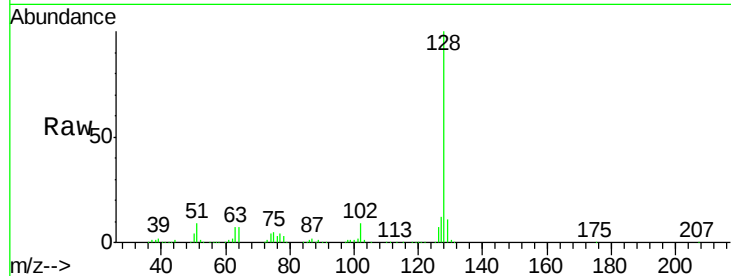
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	288048
Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.5	14.3
129	10.7	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.435 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion:	180	Resp:	145682
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.0	141.2
145	33.6	17.1	51.2

