

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061514.D
 Acq On : 25 Jan 2019 11:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:48:01 PM

Quant Time: Jan 28 00:28:51 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	189328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	351132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	289066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	139249	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	107619	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
35) Dibromofluoromethane	4.11	113	125975	45.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.94%	
50) Toluene-d8	7.54	98	351467	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	11.41	95	154832	43.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	174635	46.945	ug/l	91
3) Chloromethane	1.09	50	132290	48.499	ug/l	99
4) Vinyl Chloride	1.14	62	120485	49.656	ug/l	98
5) Bromomethane	1.32	94	86074	54.400	ug/l	93
6) Chloroethane	1.40	64	58247	54.176	ug/l	95
7) Trichlorofluoromethane	1.48	101	202506	42.931	ug/l	92
8) Diethyl Ether	1.63	74	29284	48.451	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	100720	44.438	ug/l	96
10) Methyl Iodide	1.91	142	173570m	49.398	ug/l	
11) Tert butyl alcohol	2.57	59	23241	234.895	ug/l	99
12) 1,1-Dichloroethene	1.79	96	87998	52.259	ug/l	84
13) Acrolein	2.00	56	26479	308.192	ug/l	95
14) Allyl chloride	2.09	41	128530	68.188	ug/l	91
15) Acrylonitrile	2.94	53	67847	267.704	ug/l	97
16) Acetone	2.24	43	127751	272.431	ug/l	98
17) Carbon Disulfide	1.81	76	266319m	50.723	ug/l	
18) Methyl Acetate	2.35	43	49062	52.757	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	179954	47.673	ug/l	99
20) Methylene Chloride	2.18	84	84862m	53.433	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	88513	47.776	ug/l	98
22) Diisopropyl ether	2.79	45	300913	50.216	ug/l	98
23) Vinyl Acetate	3.18	43	715822	271.309	ug/l	100
24) 1,1-Dichloroethane	2.87	63	177576	47.216	ug/l	96
25) 2-Butanone	4.33	43	215471	276.312	ug/l	98
26) 2,2-Dichloropropane	3.60	77	104980	45.432	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	144076	52.682	ug/l	98
28) Bromochloromethane	3.72	49	80483	47.607	ug/l	97
29) Tetrahydrofuran	4.06	42	81997	244.198	ug/l	98
30) Chloroform	3.85	83	257475	50.727	ug/l	100
31) Cyclohexane	3.69	56	182357m	48.540	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	152007m	40.844	ug/l	
36) 1,1-Dichloropropene	4.28	75	196818	48.344	ug/l	99
37) Ethyl Acetate	4.11	43	76053	46.733	ug/l #	78
38) Carbon Tetrachloride	3.98	117	143731	40.383	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	189363	42.920	ug/l	99
40) Benzene	4.62	78	416879	46.018	ug/l	98
41) Methacrylonitrile	4.74	41	43252	49.948	ug/l	94
42) 1,2-Dichloroethane	4.94	62	147504	45.693	ug/l	98
43) Isopropyl Acetate	6.95	43	96831	47.408	ug/l	91
44) Trichloroethene	5.49	130	133122	47.903	ug/l	97
45) 1,2-Dichloropropane	6.23	63	115267	48.480	ug/l	98
46) Dibromomethane	6.08	93	76336	48.285	ug/l	93
47) Bromodichloromethane	6.38	83	183217	46.840	ug/l	100
48) Methyl methacrylate	6.72	41	64204	46.812	ug/l	94
49) 1,4-Dioxane	6.70	88	9950	1042.215	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	356978	237.739	ug/l	99
52) Toluene	7.62	92	263936	44.242	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	142316	45.819	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	197558	50.885	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	82512	48.706	ug/l	98
56) Ethyl methacrylate	8.61	69	85802	43.533	ug/l	97
57) 1,3-Dichloropropane	8.85	76	146479	46.130	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	79613	370.318	ug/l	99
59) 2-Hexanone	9.49	43	247821	236.682	ug/l	97
60) Dibromochloromethane	8.71	129	117633	47.496	ug/l	98
61) 1,2-Dibromoethane	8.98	107	85109	43.884	ug/l	96
64) Tetrachloroethene	8.15	164	112277	51.650	ug/l	96
65) Chlorobenzene	9.79	112	294114	50.033	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	121192	51.753	ug/l	96
67) Ethyl Benzene	9.89	91	541666	50.434	ug/l	99
68) m/p-Xylenes	10.13	106	381569	98.779	ug/l	95
69) o-Xylene	10.71	106	214192	51.161	ug/l	94
70) Styrene	10.78	104	275989	48.159	ug/l	98
71) Bromoform	10.77	173	55288	52.547	ug/l #	98
73) Isopropylbenzene	11.12	105	621539	54.880	ug/l	99
74) N-amyl acetate	11.37	43	153098	57.168	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	108586	53.820	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	74398	51.319	ug/l	96
77) Bromobenzene	11.49	156	129010	53.938	ug/l	90
78) n-propylbenzene	11.59	91	721489	52.653	ug/l	99
79) 2-Chlorotoluene	11.72	91	412885	52.544	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	491429	53.768	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	33560m	53.252	ug/l	
82) 4-Chlorotoluene	11.89	91	413954	52.204	ug/l	98
83) tert-Butylbenzene	12.13	119	521569	55.135	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	484615	51.476	ug/l	95
85) sec-Butylbenzene	12.30	105	711413	55.377	ug/l	96
86) p-Isopropyltoluene	12.46	119	557843	52.897	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	231250	48.475	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	232768	51.500	ug/l	95
89) n-Butylbenzene	12.84	91	580810	53.403	ug/l	97
90) Hexachloroethane	12.91	117	141986	57.116	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	223782	50.015	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19526	54.564	ug/l	77

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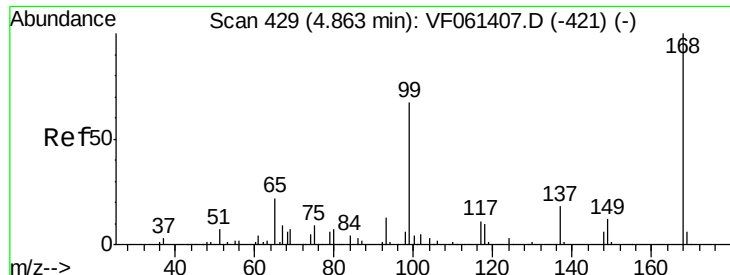
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	161550	51.541	ug/l	95
94) Hexachlorobutadiene	14.18	225	103728	53.332	ug/l	98
95) Naphthalene	14.45	128	314209	52.763	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	146473	50.482	ug/l	96

(#) = 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. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 189328

Ion Ratio Lower Upper

168 100

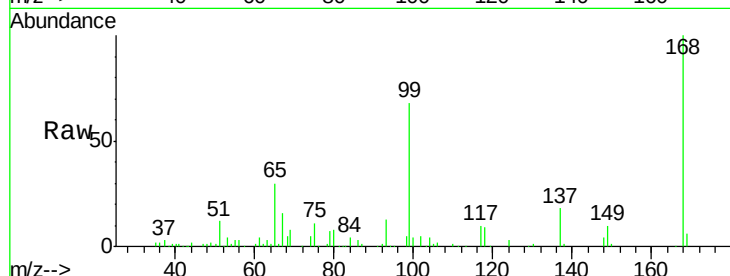
99 68.1 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

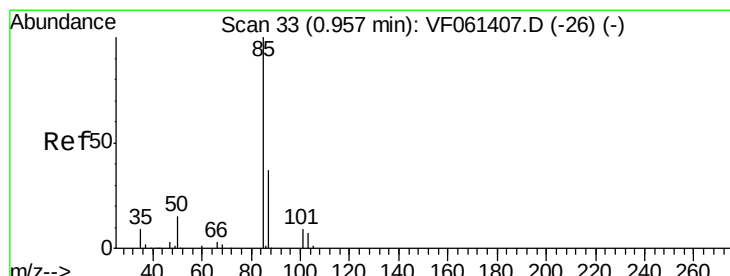
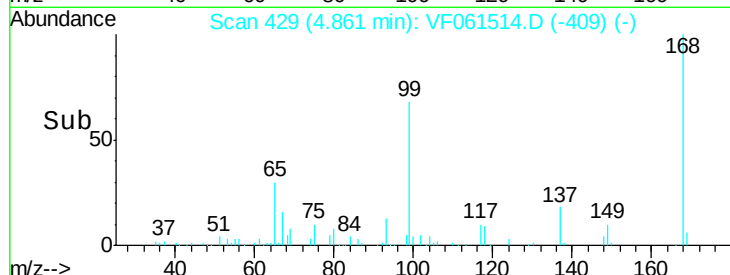
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 46.945 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061514.D

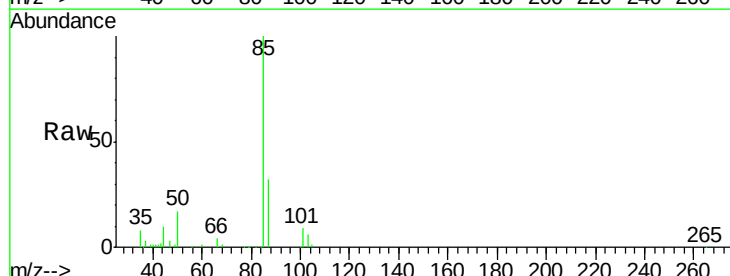
Acq: 25 Jan 2019 11:21

Tgt Ion: 85 Resp: 174635

Ion Ratio Lower Upper

85 100

87 31.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

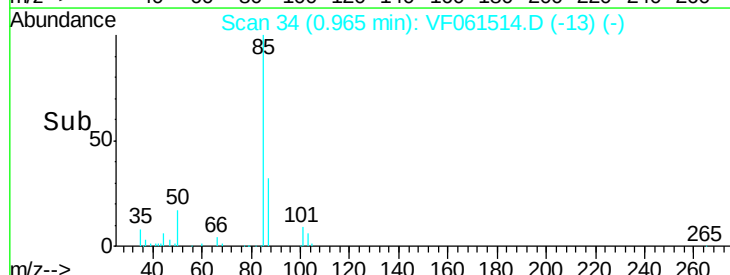
30000

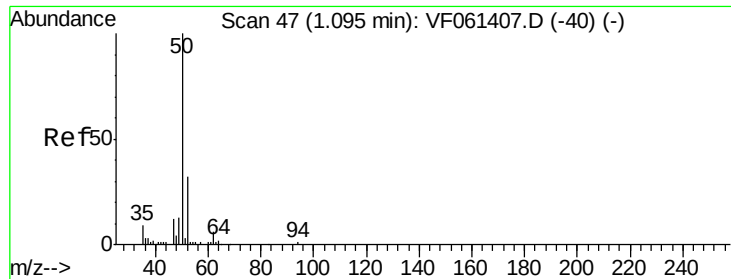
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 48.499 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 132290

Ion Ratio Lower Upper

50 100

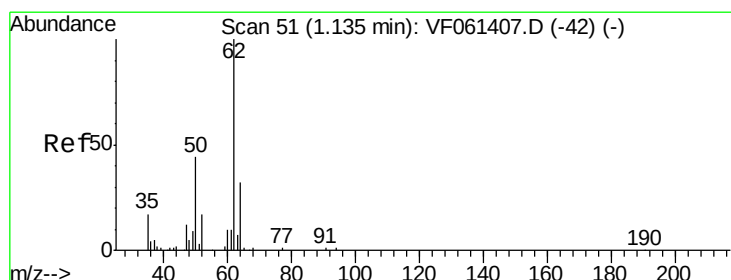
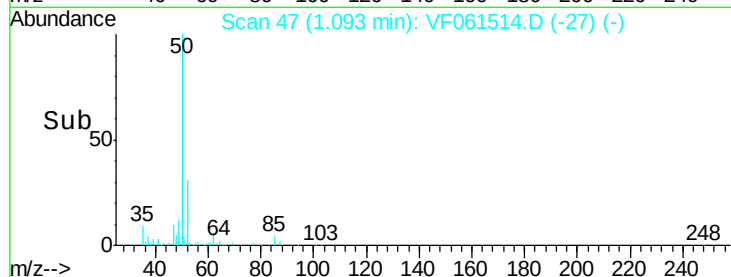
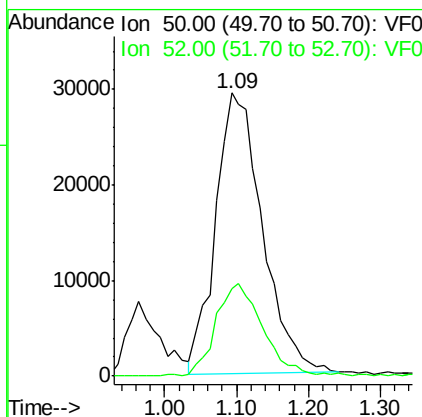
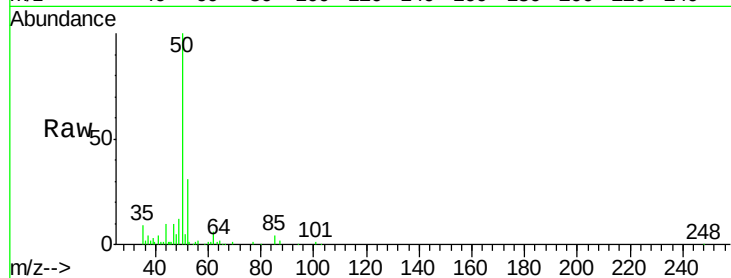
52 31.1 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.656 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061514.D

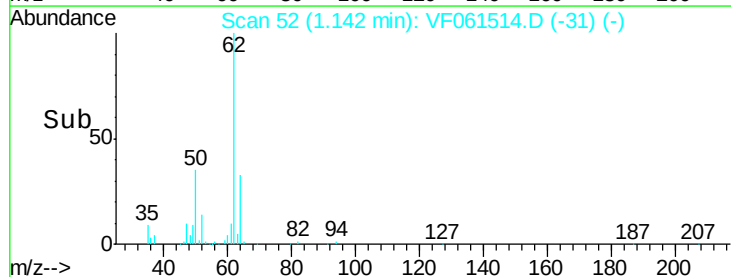
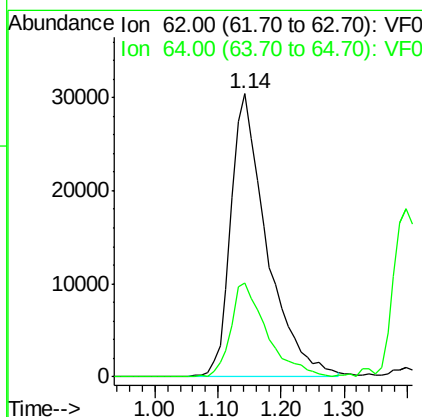
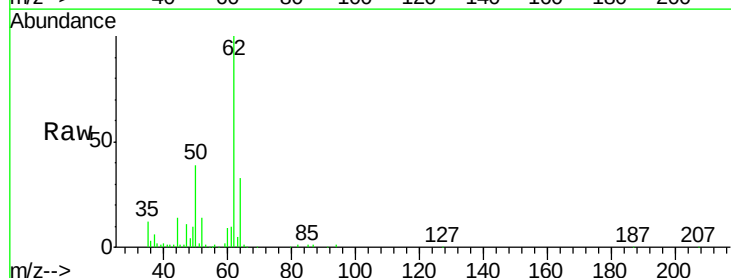
Acq: 25 Jan 2019 11:21

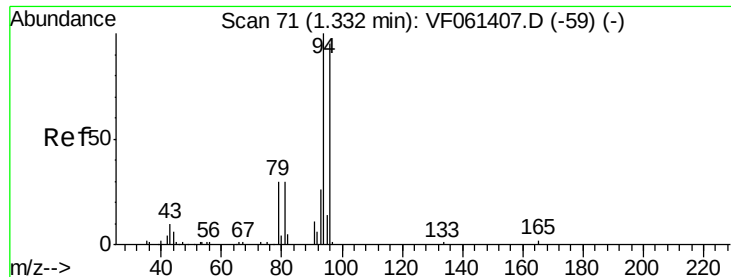
Tgt Ion: 62 Resp: 120485

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 54.400 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86074

Ion Ratio Lower Upper

94 100

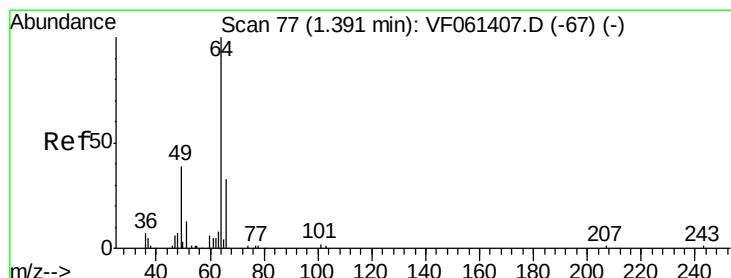
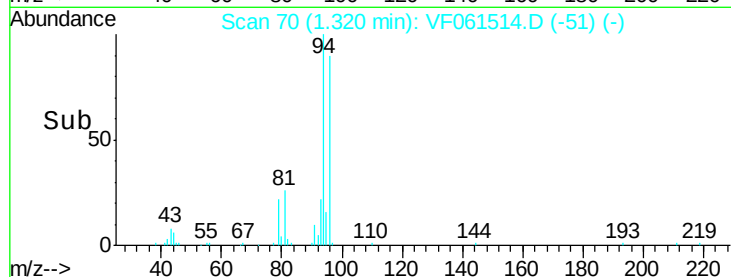
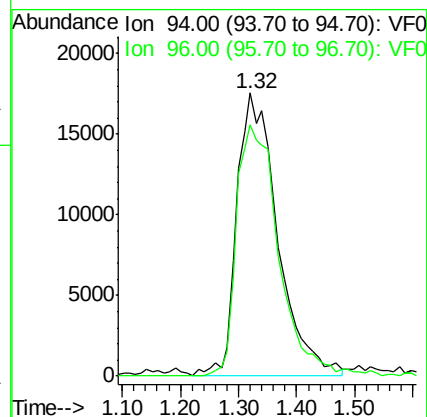
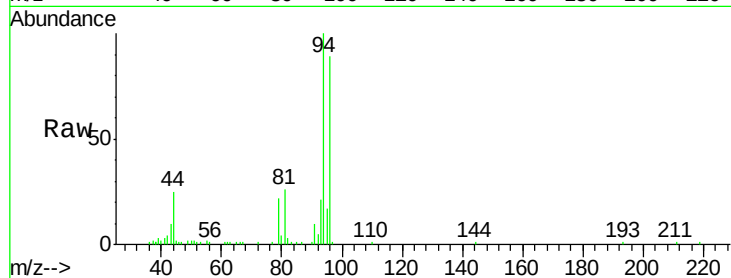
96 88.7 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 54.176 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061514.D

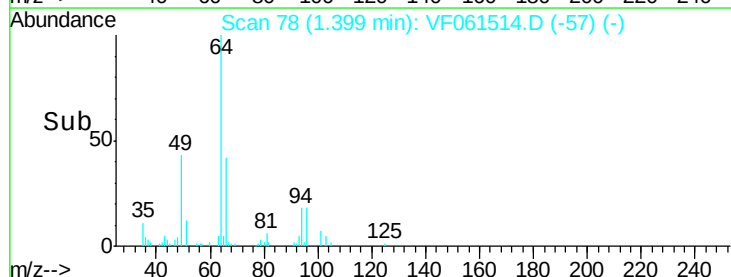
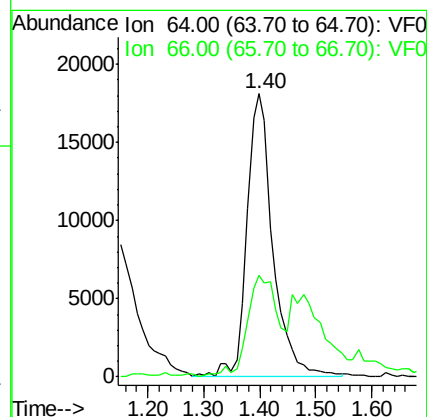
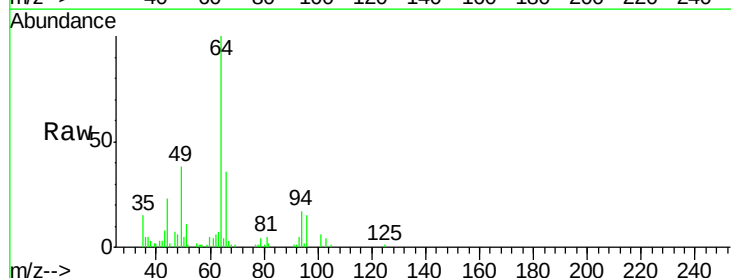
Acq: 25 Jan 2019 11:21

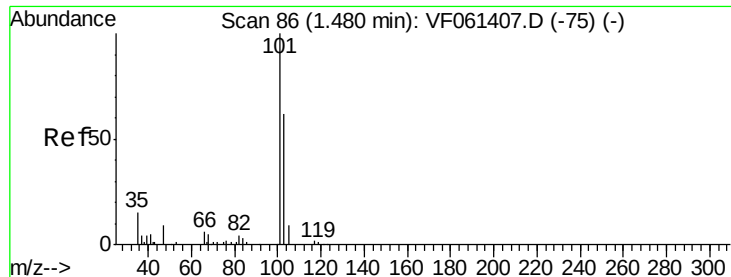
Tgt Ion: 64 Resp: 58247

Ion Ratio Lower Upper

64 100

66 35.9 26.6 40.0





#7

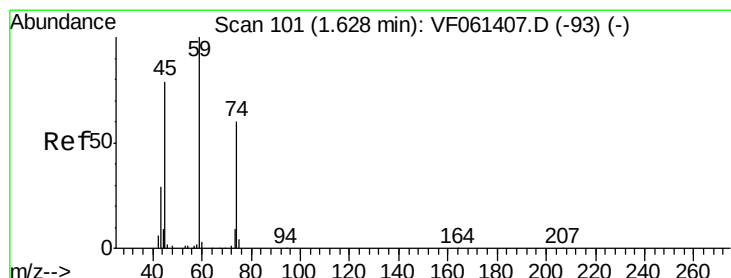
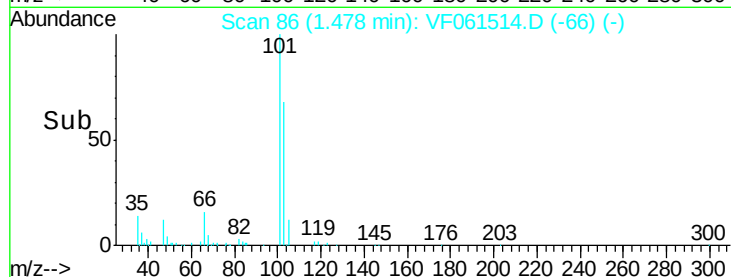
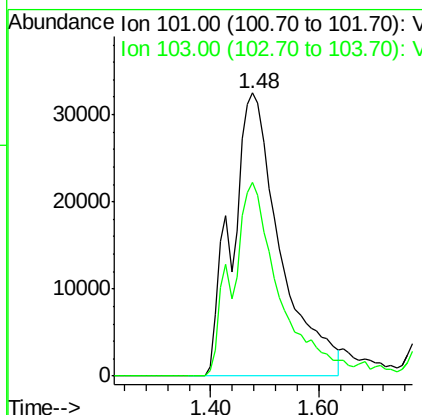
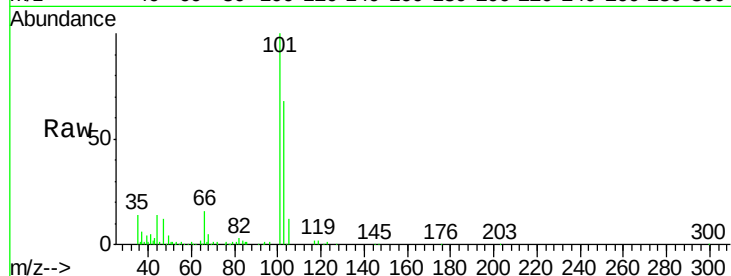
Trichlorofluoromethane
Concen: 42.931 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	49.7	74.5

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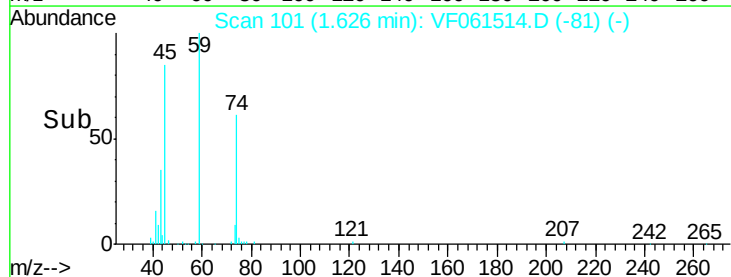
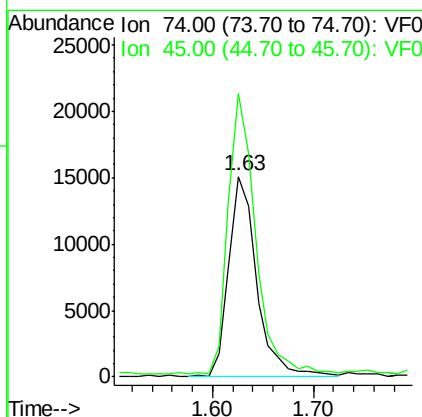
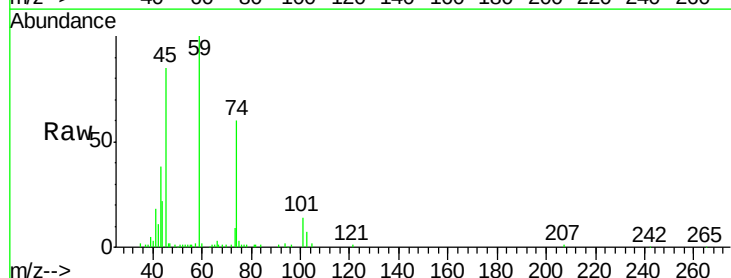
MMDadoda
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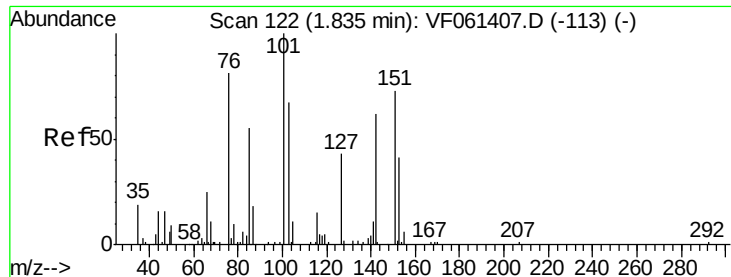


#8

Diethyl Ether
Concen: 48.451 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.2	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.438 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061514.D

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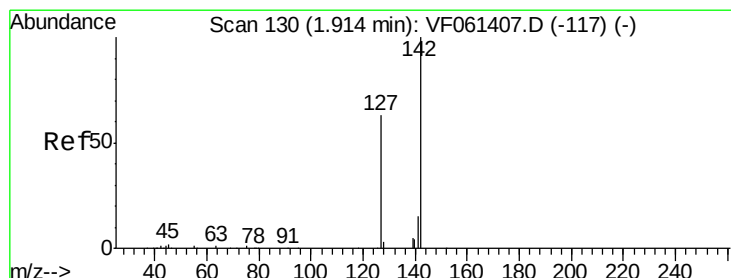
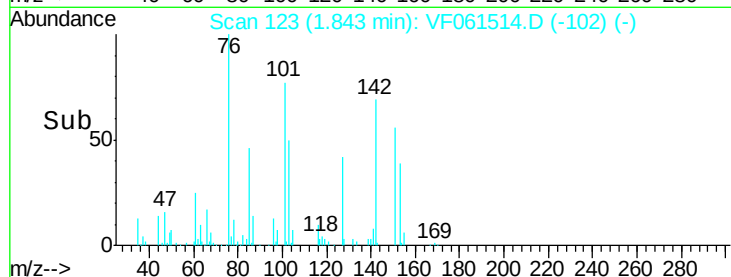
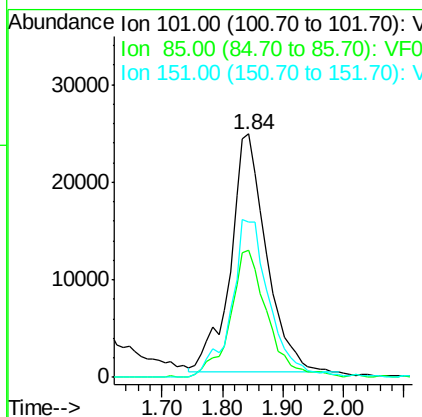
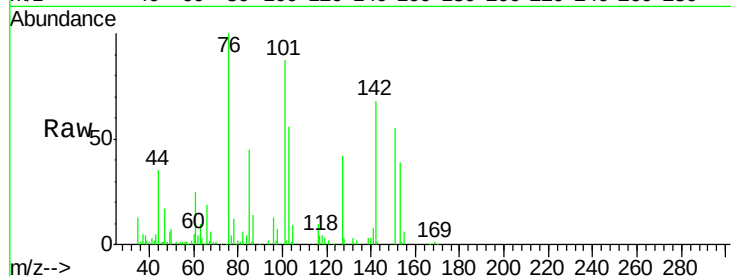
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	100720
Ion Ratio	Lower	Upper	
101	100		
85	52.0	41.9	62.9
151	63.7	55.1	82.7

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#10

Methyl Iodide

Concen: 49.398 ug/l m

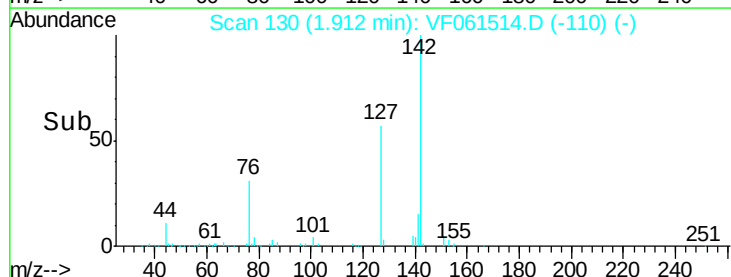
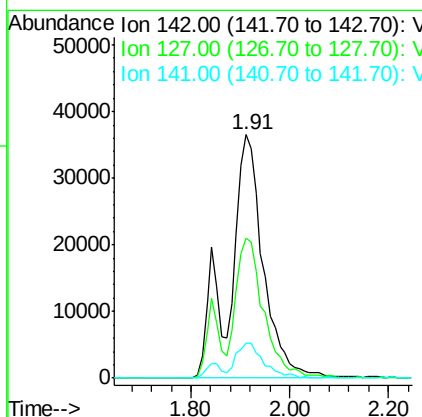
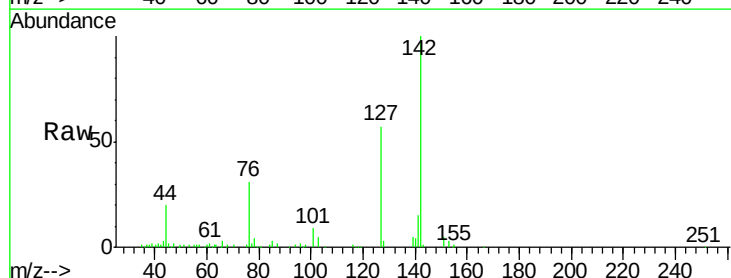
RT: 1.91 min Scan# 130

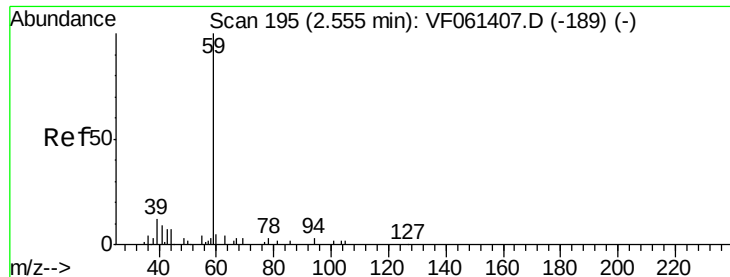
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	142	Resp:	173570
Ion Ratio	Lower	Upper	
142	100		
127	57.2	50.7	76.1
141	14.6	11.8	17.6





#11

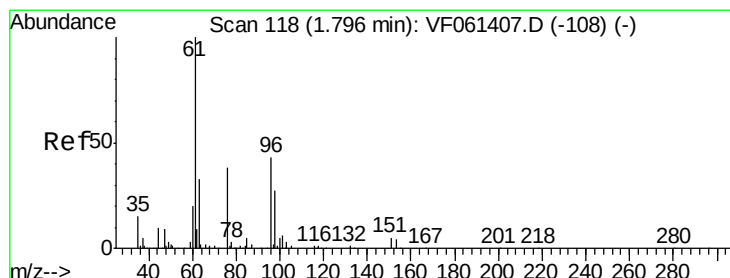
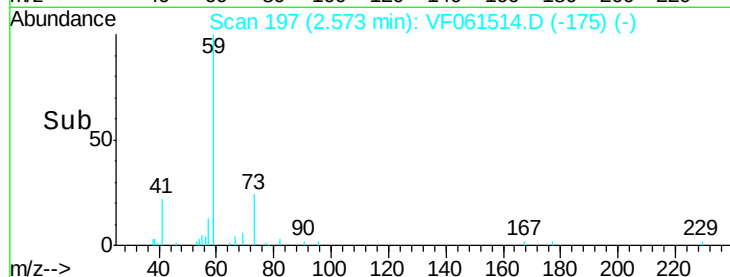
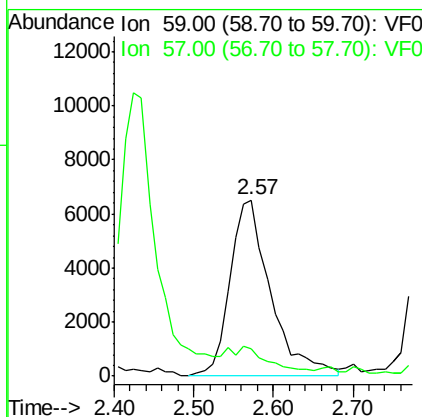
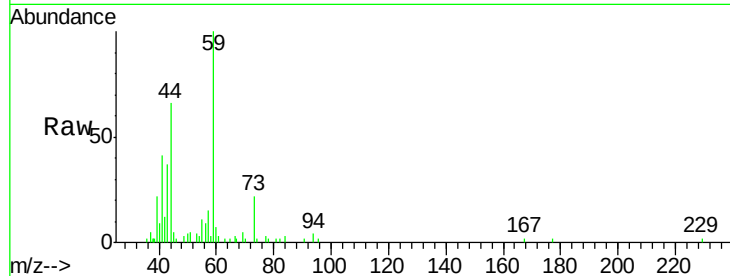
Tert butyl alcohol
Concen: 234.895 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	23241
Ion Ratio	100	Lower	Upper
57	15.3	11.9	17.9

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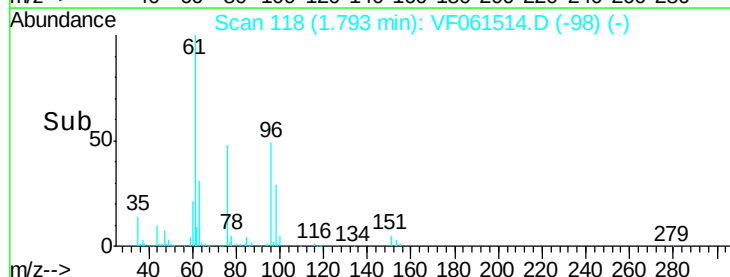
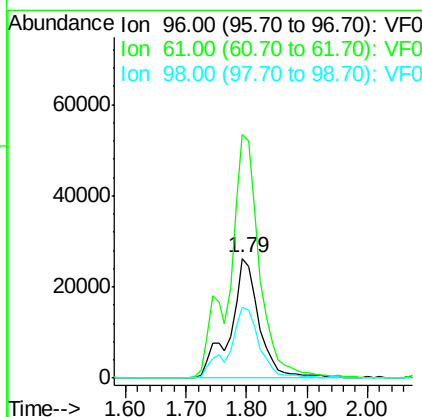
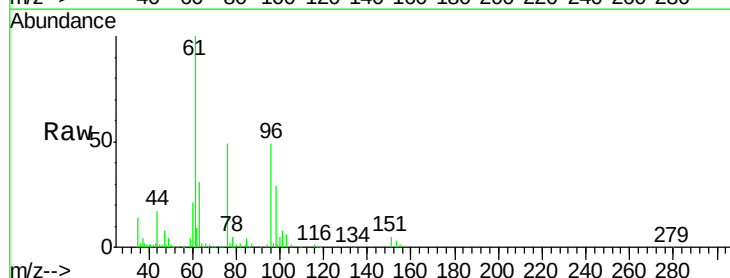
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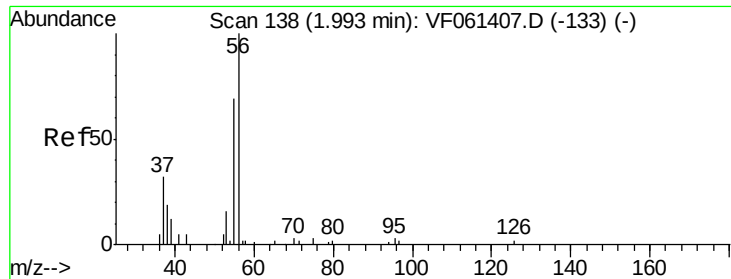


#12

1,1-Dichloroethene
Concen: 52.259 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	96	Resp	87998
Ion Ratio	100	Lower	Upper
61	203.4	186.9	280.3
98	59.4	53.0	79.4





#13

Acrolein

Concen: 308.192 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 26479

Ion Ratio Lower Upper

56 100

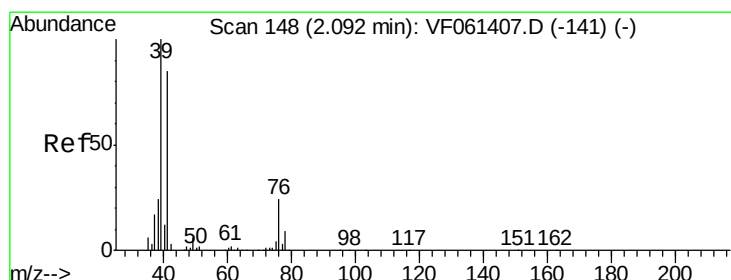
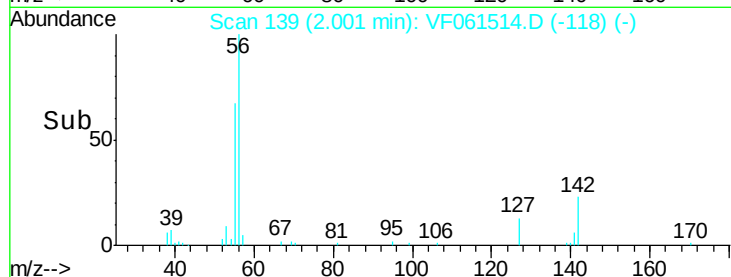
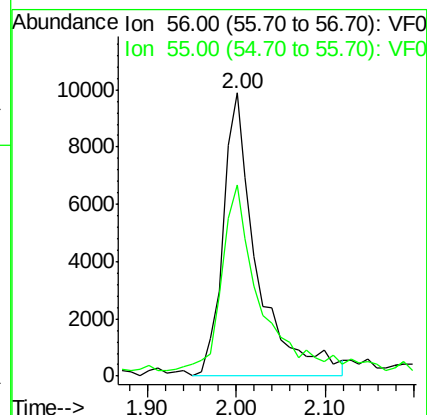
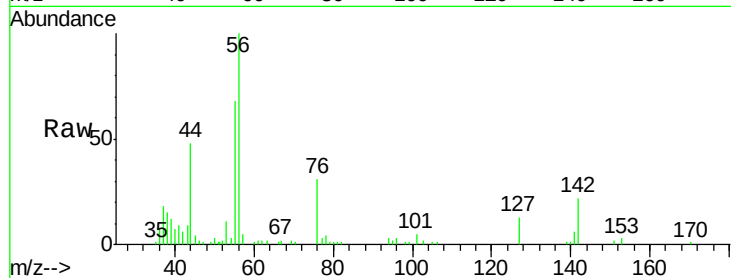
55 67.6 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 68.188 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

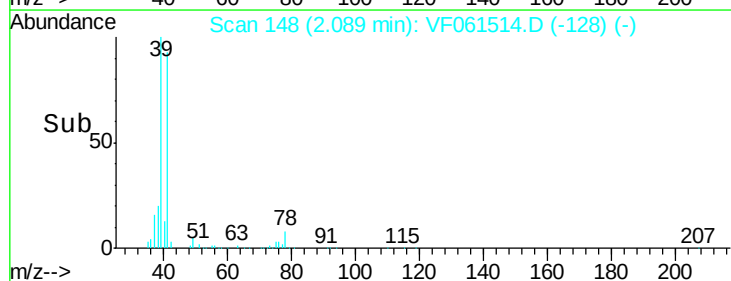
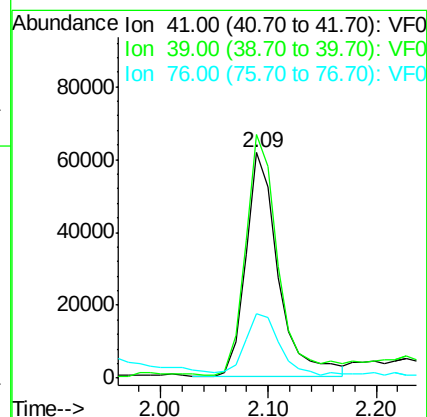
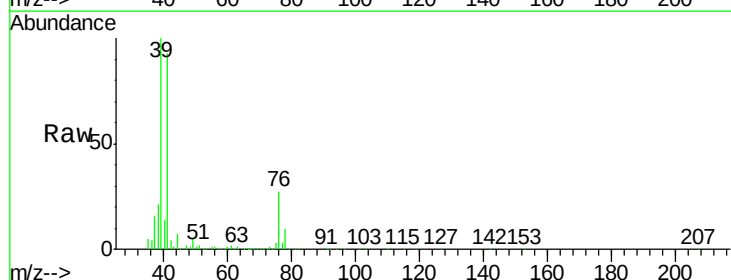
Tgt Ion: 41 Resp: 128530

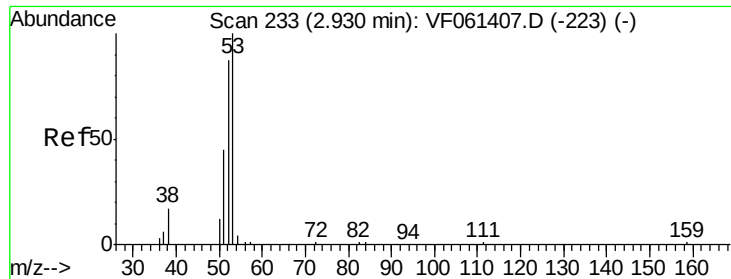
Ion Ratio Lower Upper

41 100

39 108.0 94.6 141.8

76 28.8 25.9 38.9





#15

Acrylonitrile

Concen: 267.704 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

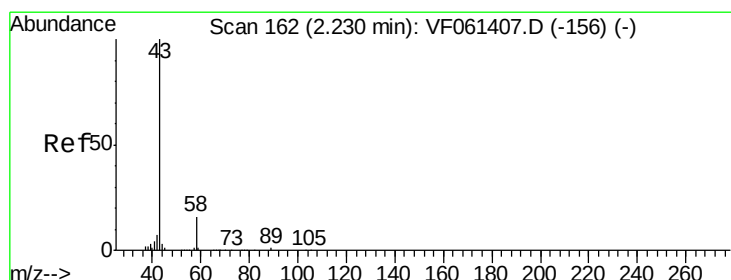
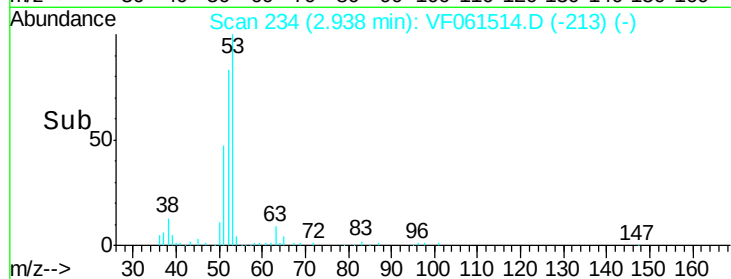
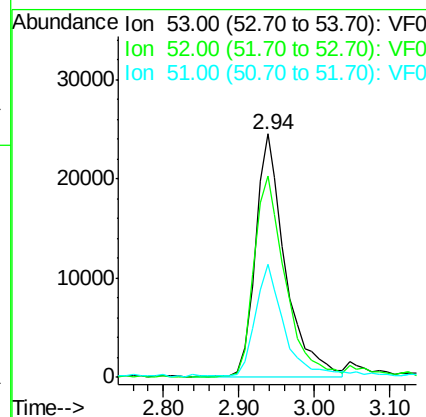
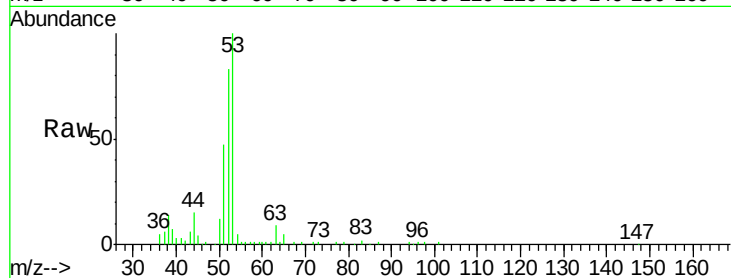
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	67847
Ion	Ratio	Lower	Upper
53	100		
52	82.7	69.6	104.4
51	46.7	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 272.431 ug/l

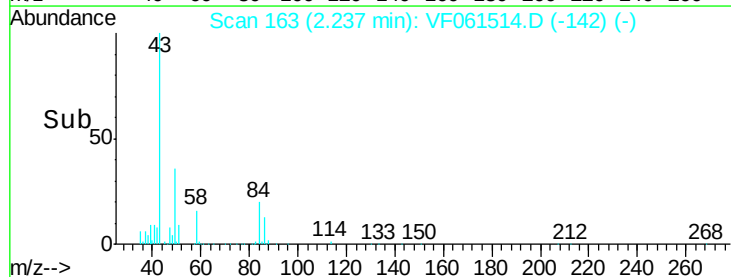
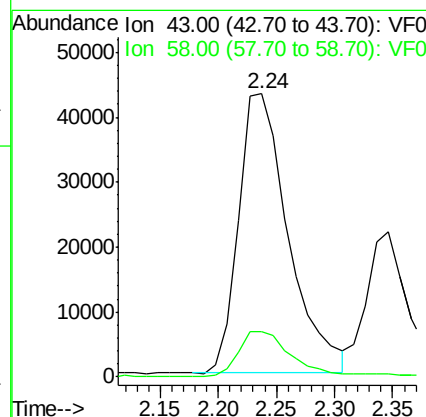
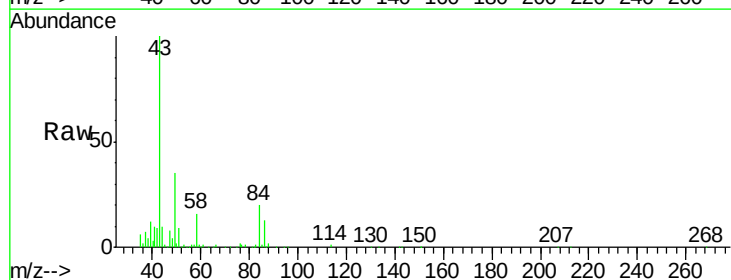
RT: 2.24 min Scan# 163

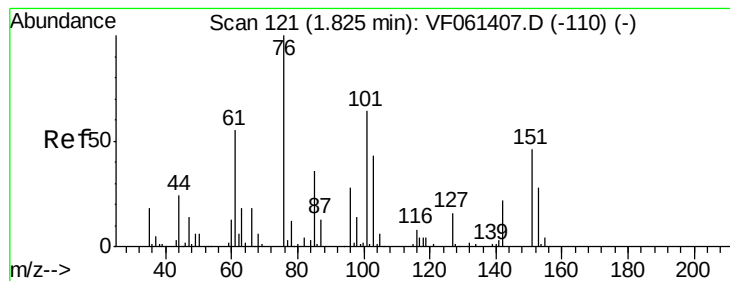
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	43	Resp:	127751
Ion	Ratio	Lower	Upper
43	100		
58	15.8	13.3	19.9





#17

Carbon Disulfide

Concen: 50.723 ug/l m

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 266319

Ion Ratio Lower Upper

76 100

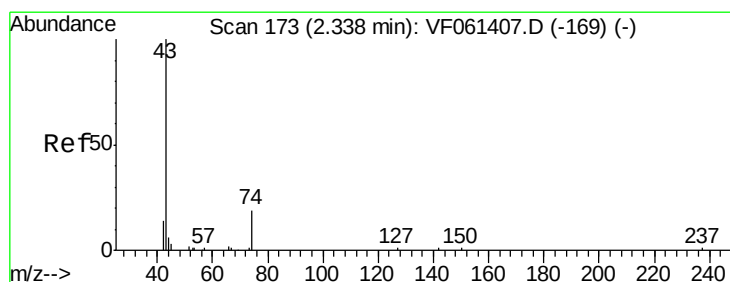
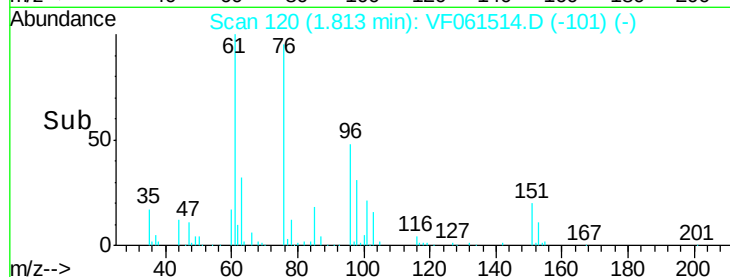
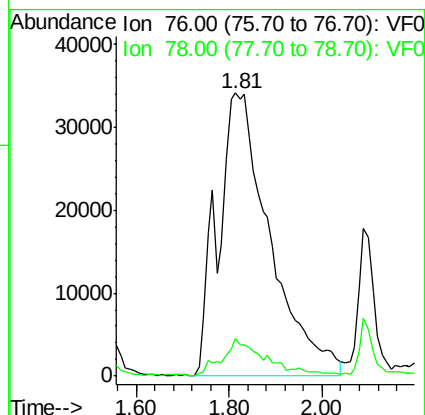
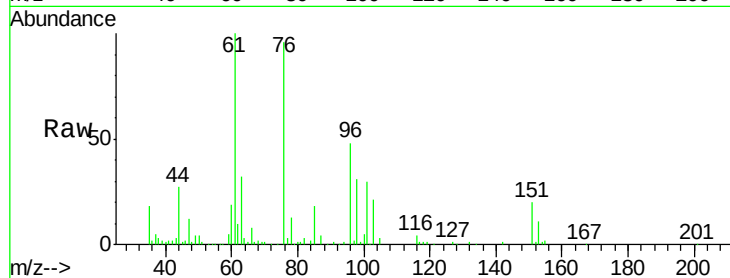
78 13.1 9.6 14.4

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#18

Methyl Acetate

Concen: 52.757 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061514.D

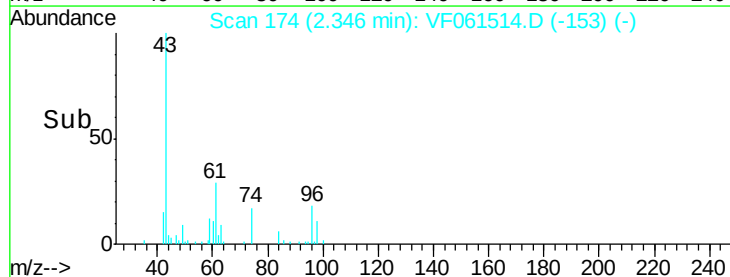
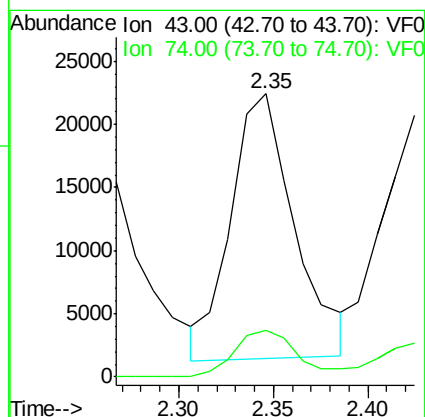
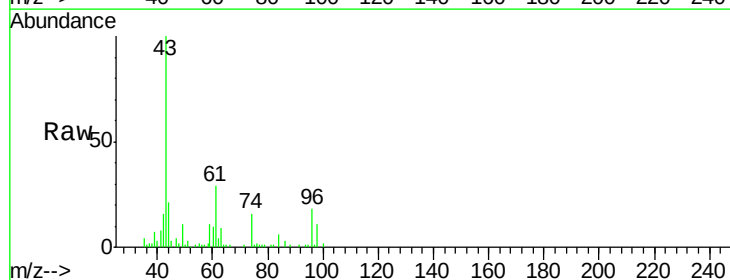
Acq: 25 Jan 2019 11:21

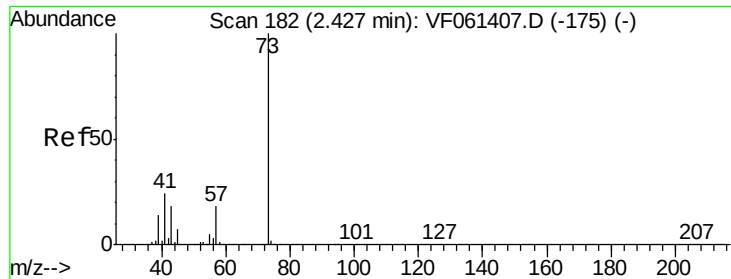
Tgt Ion: 43 Resp: 49062

Ion Ratio Lower Upper

43 100

74 16.5 13.4 20.0





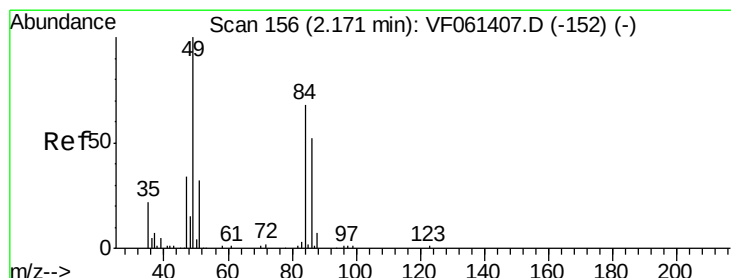
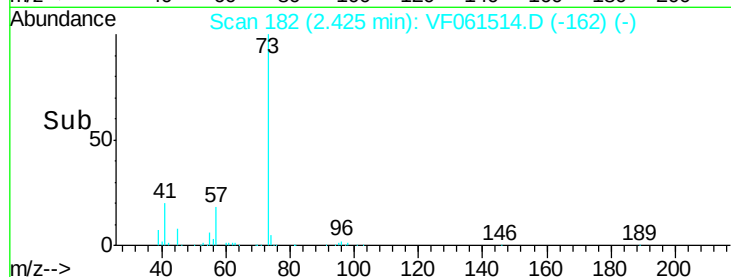
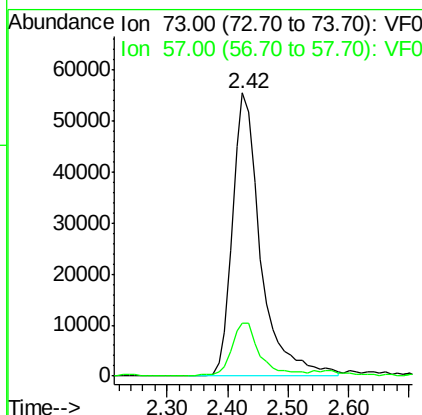
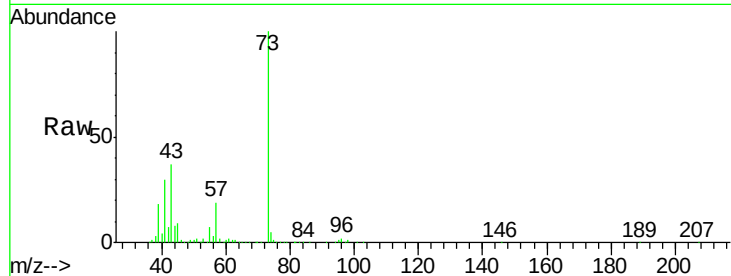
#19
Methyl tert-butyl Ether
Concen: 47.673 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 179954
Ion Ratio Lower Upper
73 100
57 18.9 14.8 22.2

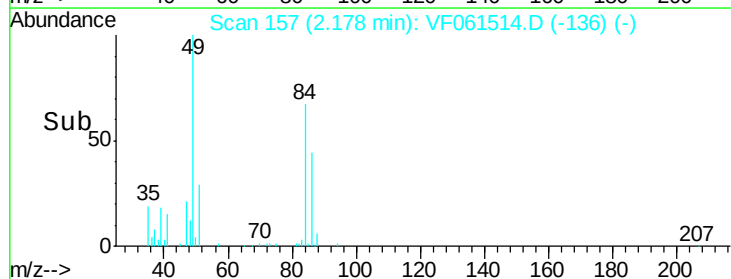
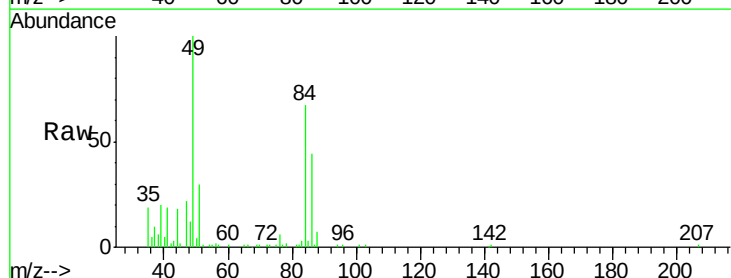
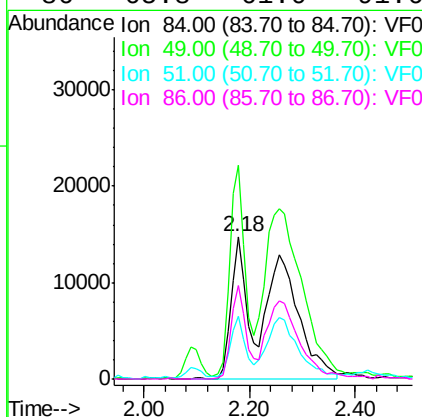
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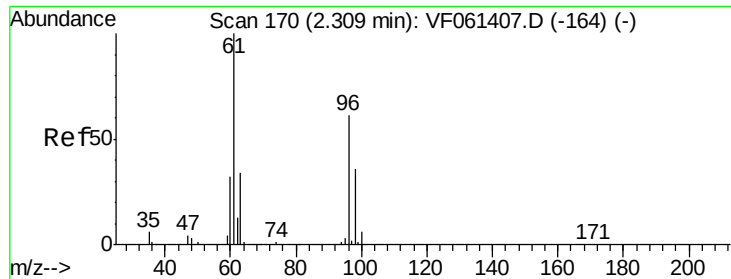
MMDadoda
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#20
Methylene Chloride
Concen: 53.433 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 84 Resp: 84862
Ion Ratio Lower Upper
84 100
49 150.3 120.0 180.0
51 44.5 38.6 58.0
86 65.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 47.776 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

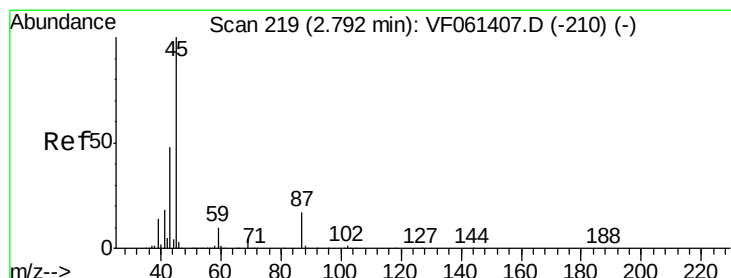
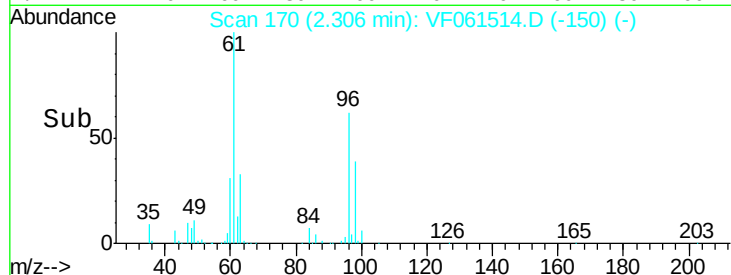
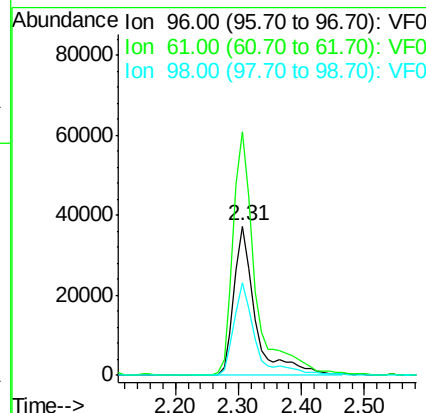
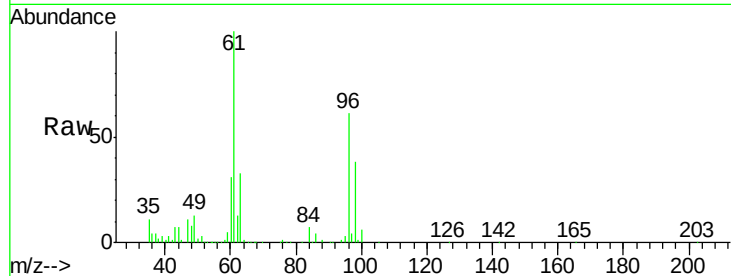
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	88513
Ion	Ratio	Lower	Upper
96	100		
61	163.5	131.8	197.8
98	62.5	47.4	71.0

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#22

Diisopropyl ether

Concen: 50.216 ug/l

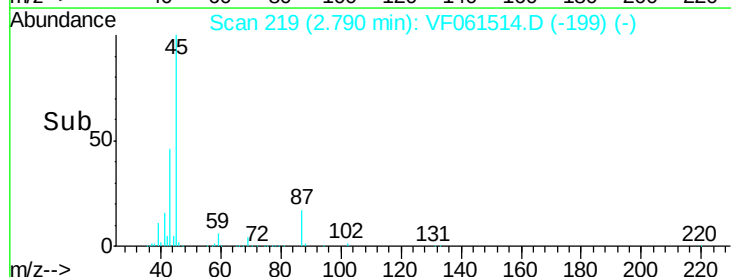
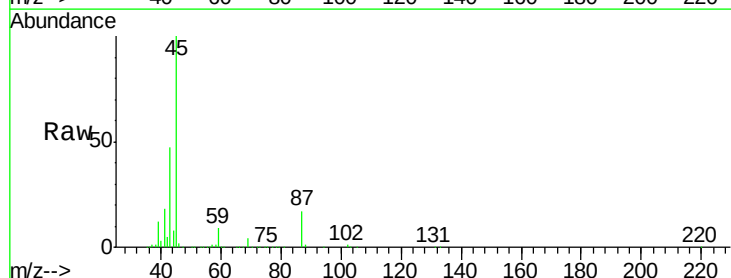
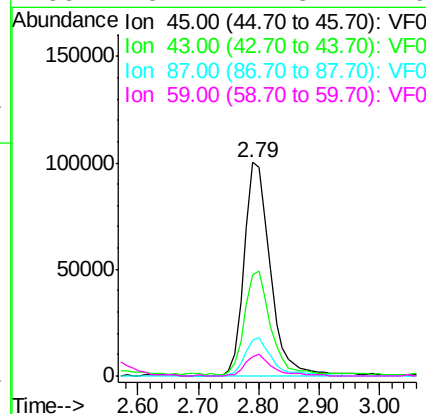
RT: 2.79 min Scan# 219

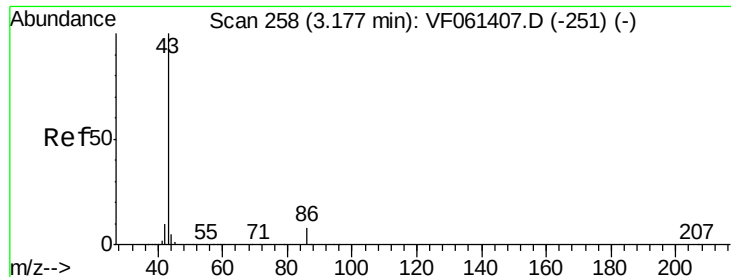
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	45	Resp:	300913
Ion	Ratio	Lower	Upper
45	100		
43	47.4	39.0	58.6
87	16.6	13.9	20.9
59	9.2	7.8	11.6





#23

Vinyl Acetate

Concen: 271.309 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 715822

Ion Ratio Lower Upper

43 100

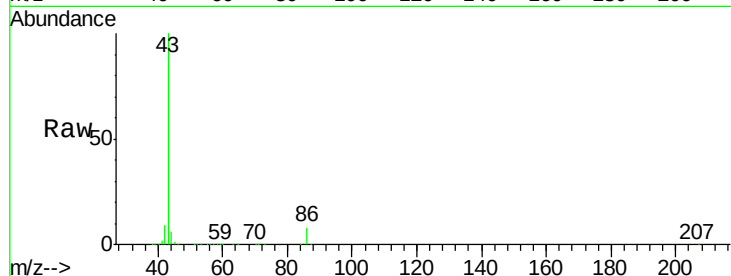
86 7.7 6.2 9.4

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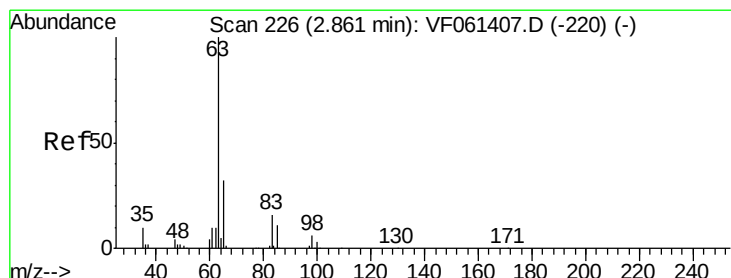
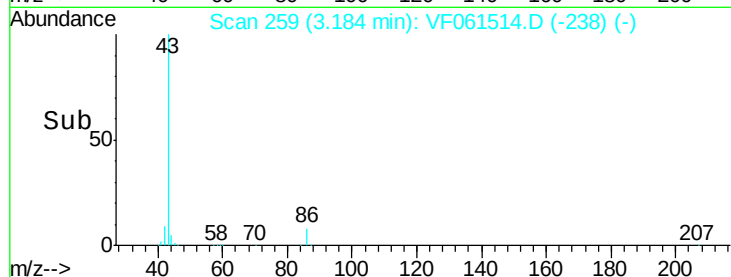
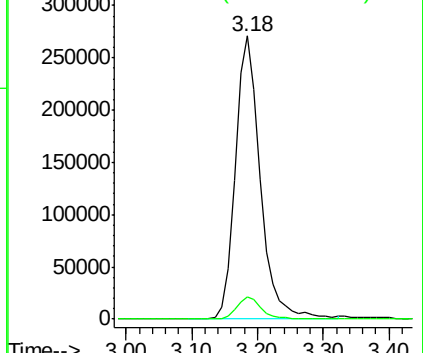
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 47.216 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

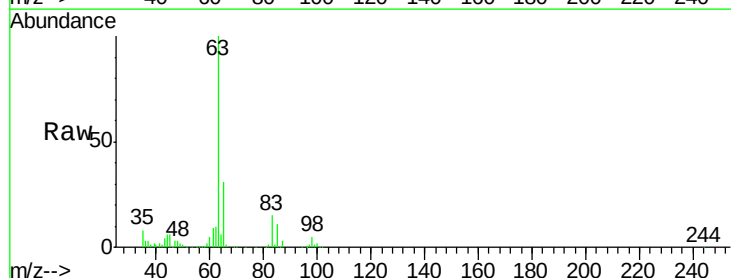
Tgt Ion: 63 Resp: 177576

Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.8

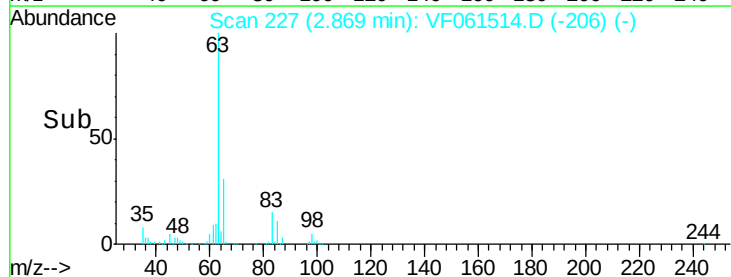
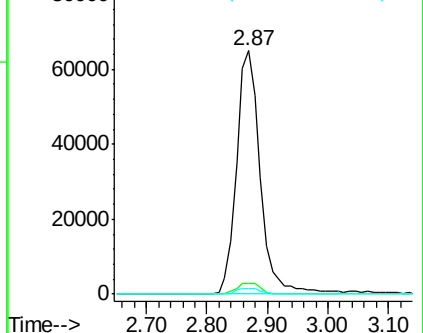
100 2.4 1.6 4.8

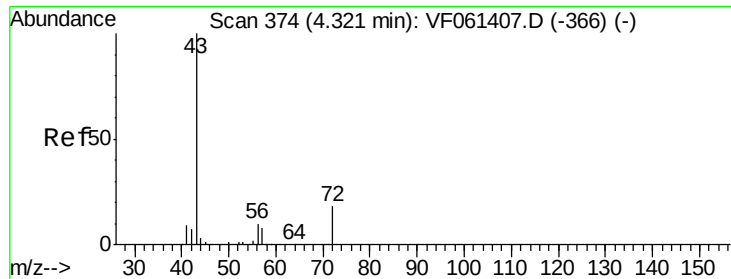


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 276.312 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 215471

Ion Ratio Lower Upper

43 100

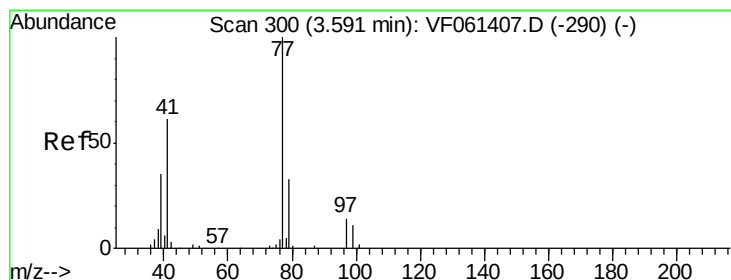
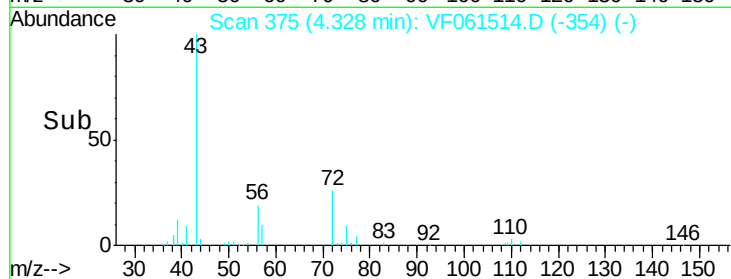
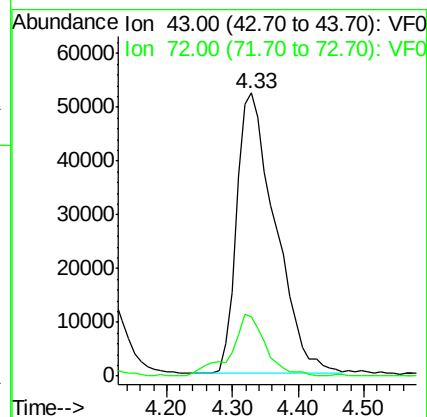
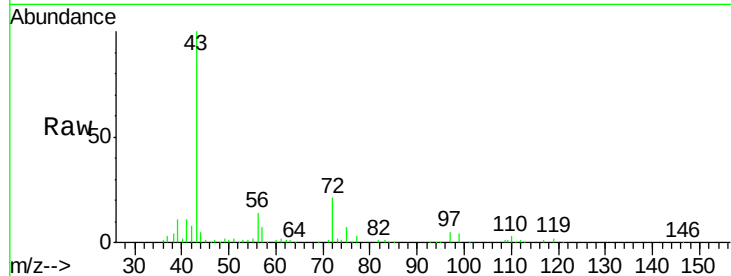
72 20.8 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.432 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061514.D

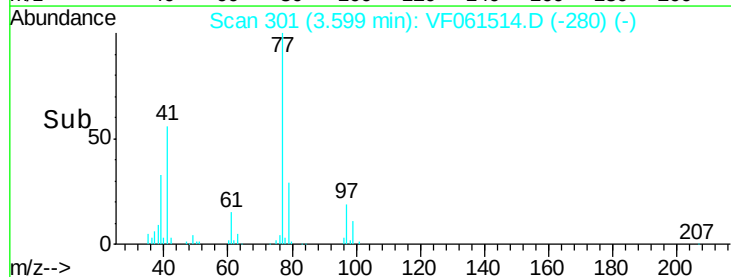
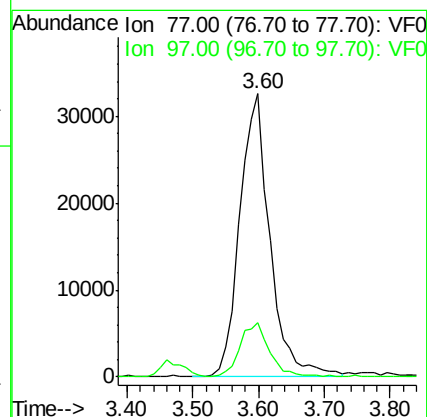
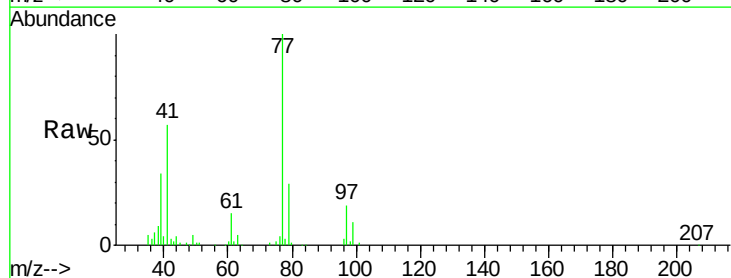
Acq: 25 Jan 2019 11:21

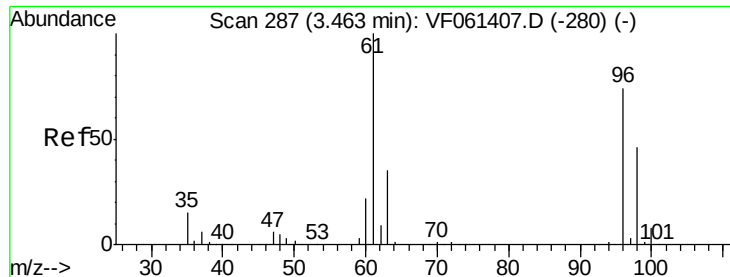
Tgt Ion: 77 Resp: 104980

Ion Ratio Lower Upper

77 100

97 19.0 8.5 25.5





#27

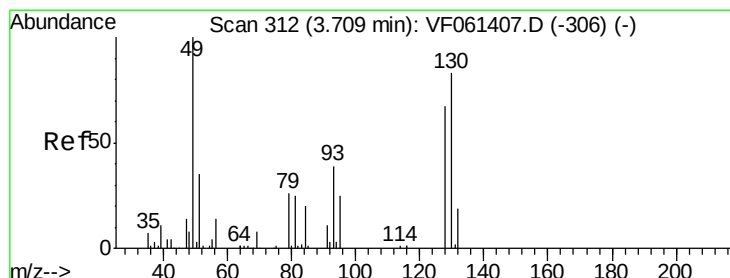
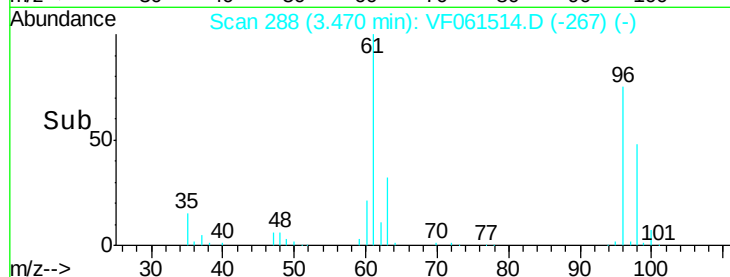
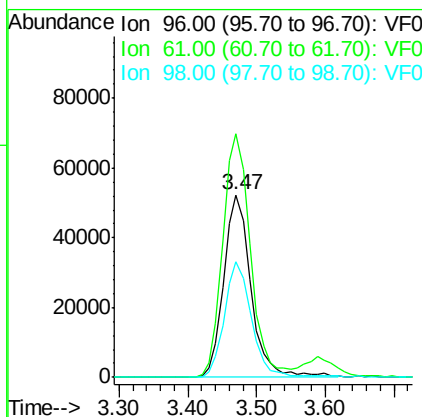
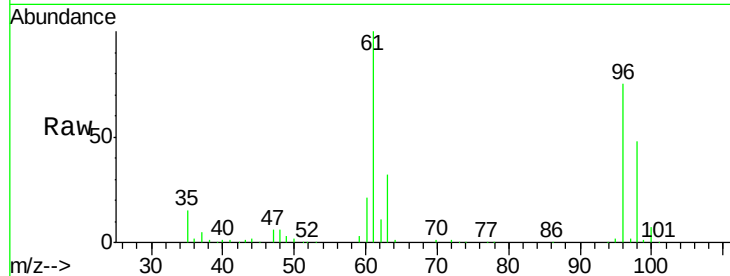
cis-1,2-Dichloroethene
Concen: 52.682 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144076		
61	133.7	0.0	270.2	
98	63.7	0.0	124.0	

Manual Integrations
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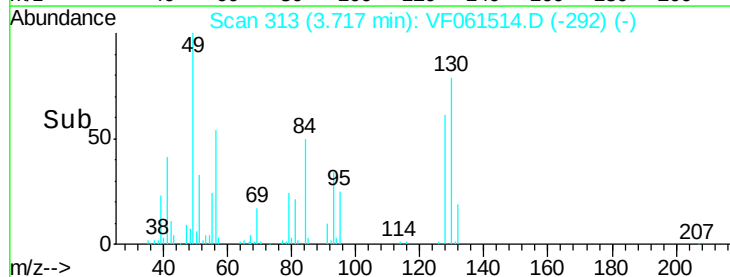
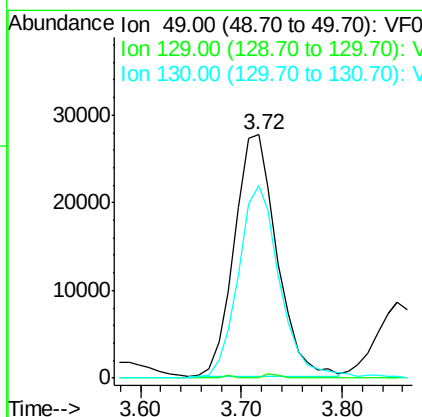
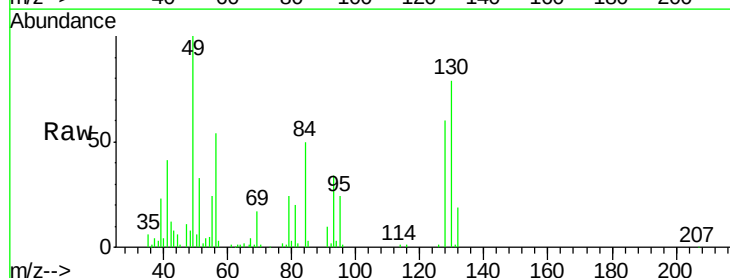
MMDadoda
1/28/2019 12:48:01 PM

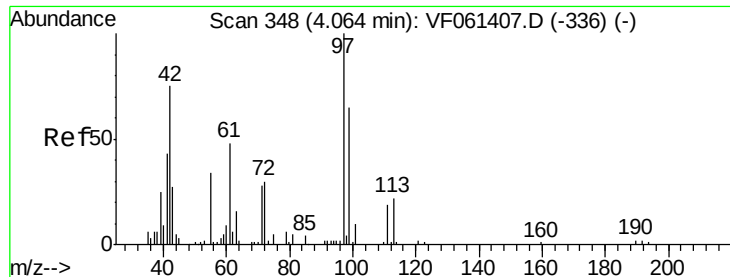


#28

Bromochloromethane
Concen: 47.607 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80483		
129	0.0	0.0	0.0	
130	78.8	65.4	98.2	





#29

Tetrahydrofuran

Concen: 244.198 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

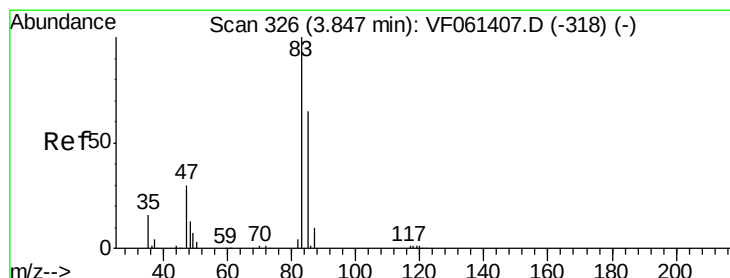
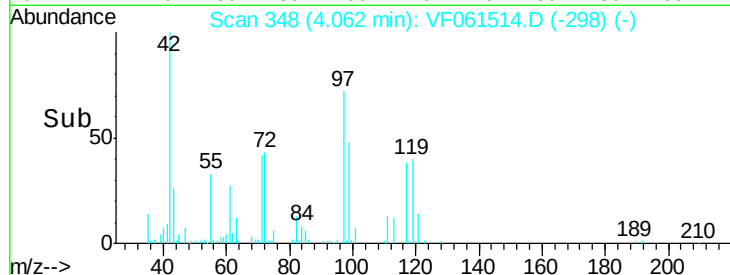
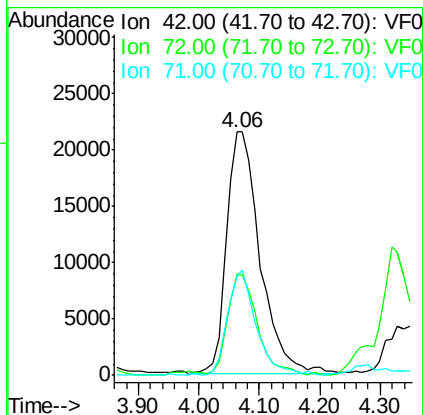
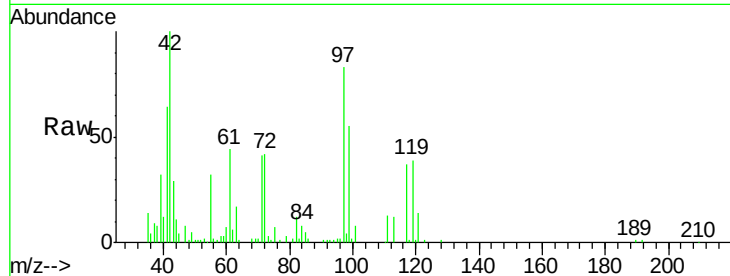
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	81997
Ion	Ratio	Lower	Upper
42	100		
72	37.3	28.9	43.3
71	37.7	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 50.727 ug/l

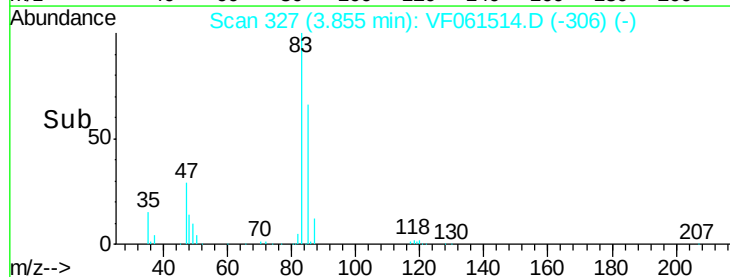
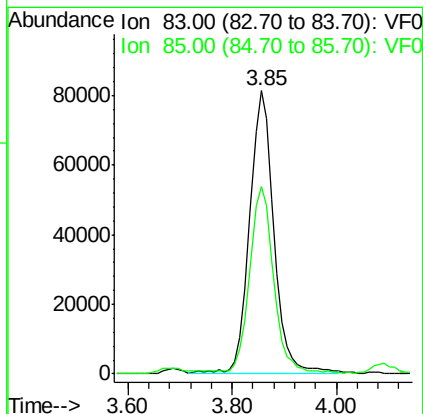
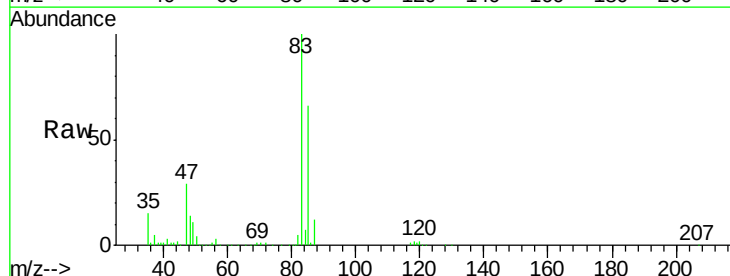
RT: 3.85 min Scan# 327

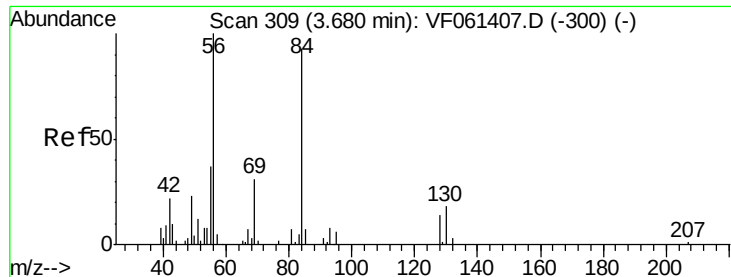
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	83	Resp:	257475
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.7	79.1





#31

Cyclohexane

Concen: 48.540 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

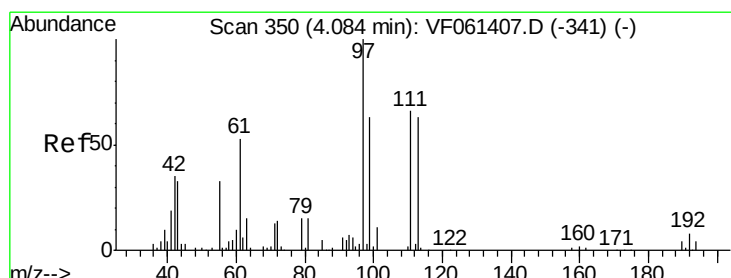
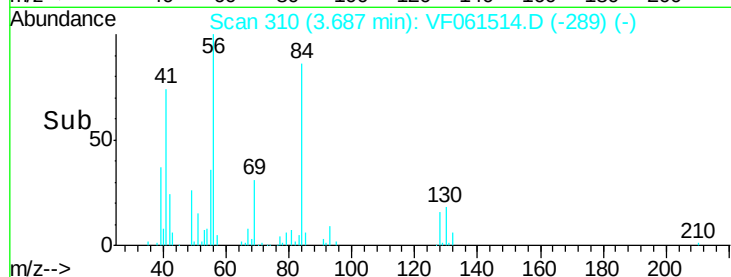
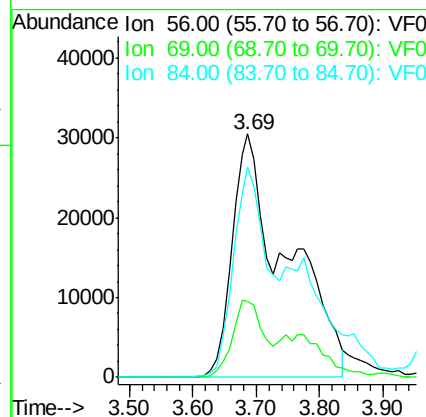
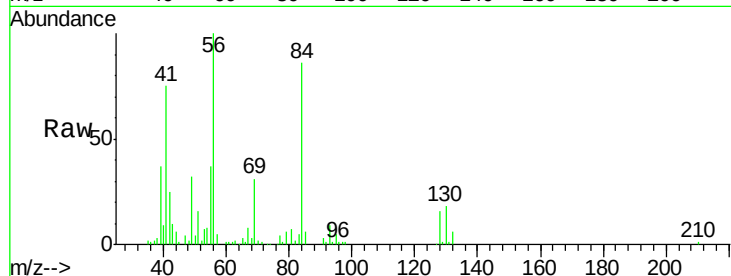
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	182357
Ion Ratio		Lower	Upper
56	100		
69	31.0	24.6	36.8
84	86.3	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 40.844 ug/l m

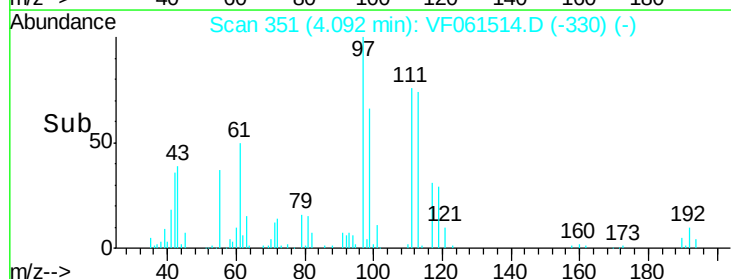
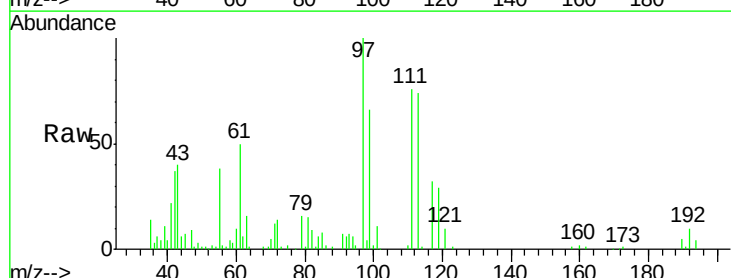
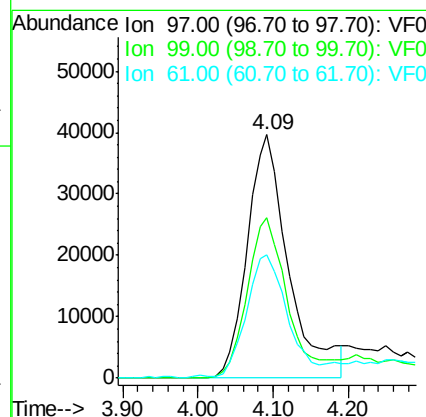
RT: 4.09 min Scan# 351

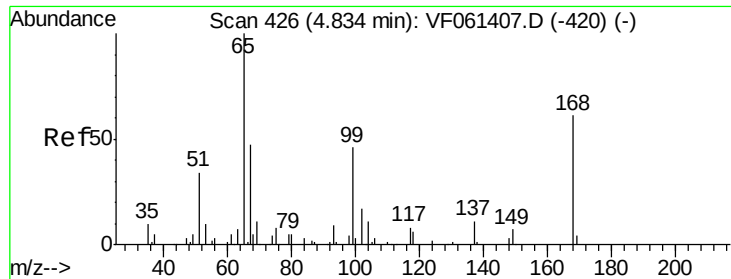
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	97	Resp:	152007
Ion Ratio		Lower	Upper
97	100		
99	65.7	50.1	75.1
61	50.5	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 46.040 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tot Ion: 65 Resp: 107619

Ion Ratio Lower Upper

65 100

67 47.2 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

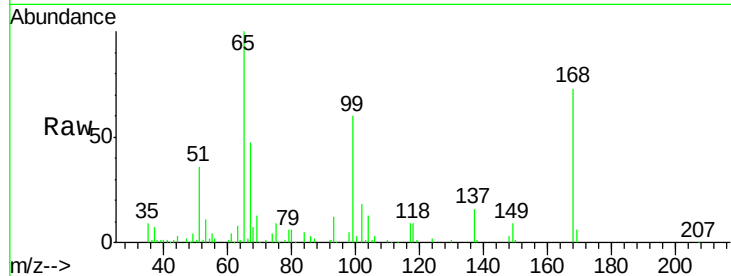
VSTDCCC050

Manual Integrations

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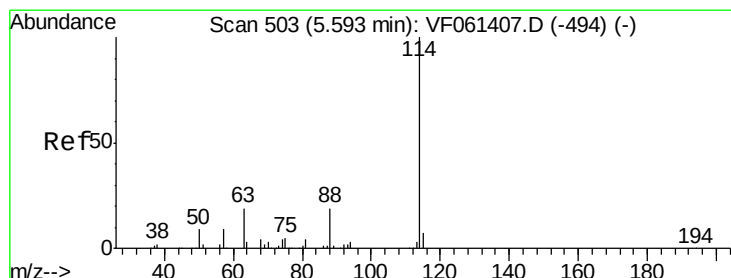
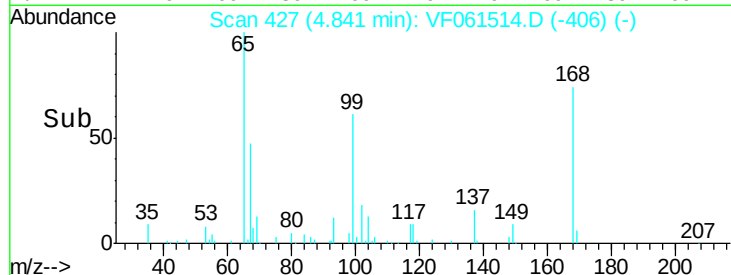


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

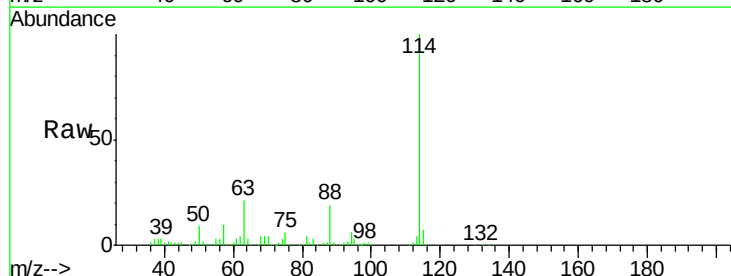
Tgt Ion:114 Resp: 351132

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 19.4 0.0 37.4



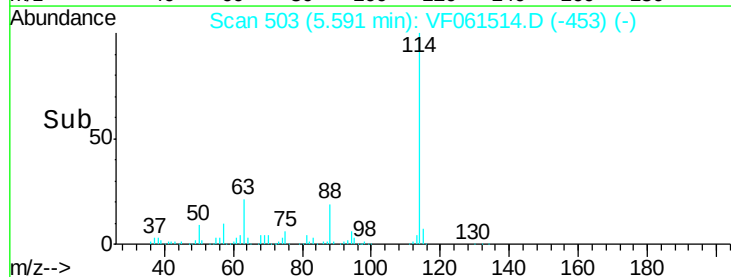
Abundance Ion 114.00 (113.70 to 114.70): V

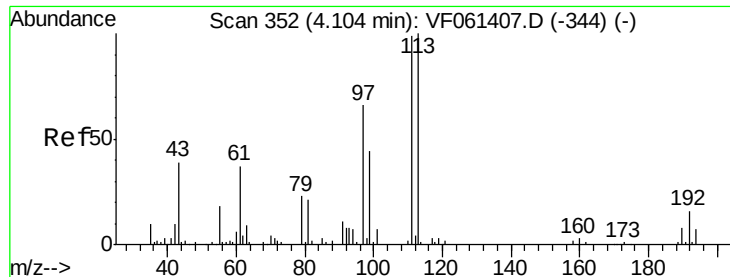
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.59

Time-->





#35

Dibromofluoromethane

Concen: 45.466 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

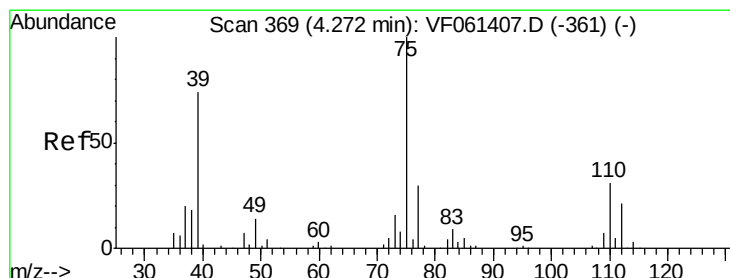
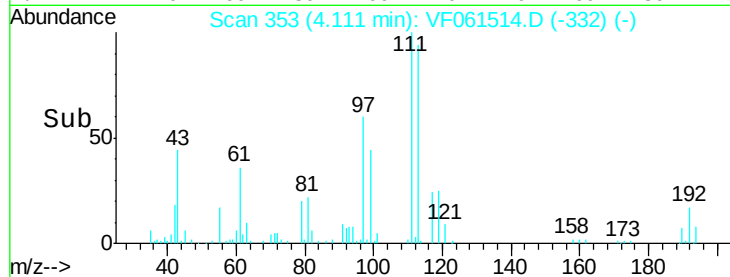
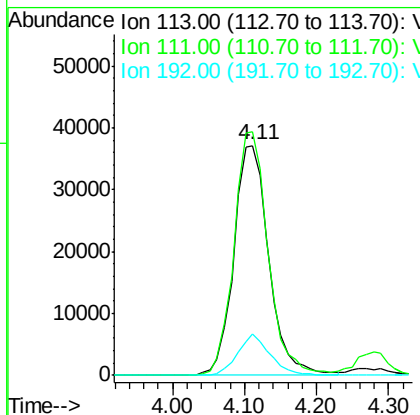
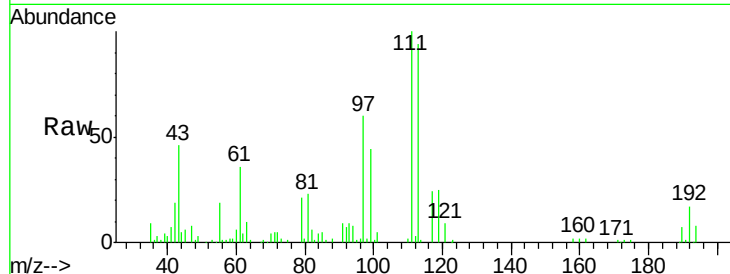
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	125975
Ion	Ratio	Lower	Upper
113	100		
111	105.9	79.4	119.0
192	17.7	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.344 ug/l

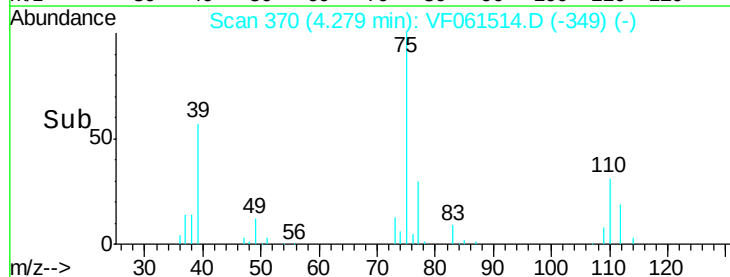
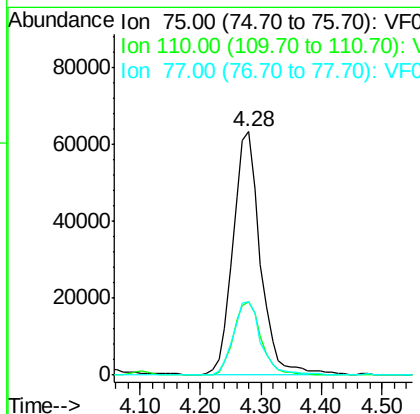
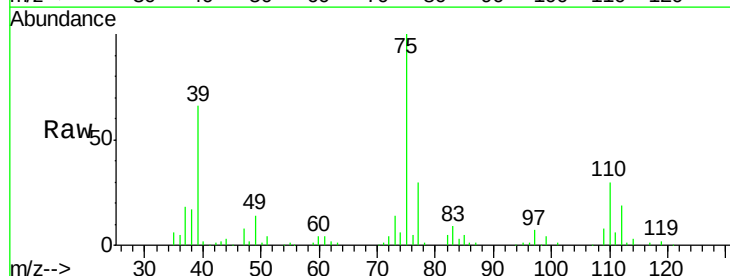
RT: 4.28 min Scan# 370

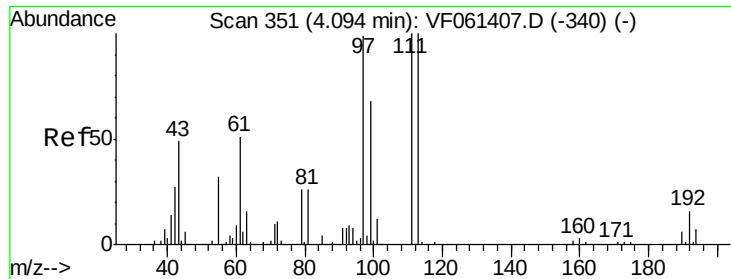
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	75	Resp:	196818
Ion	Ratio	Lower	Upper
75	100		
110	30.2	15.8	47.3
77	30.0	24.0	36.0





#37

Ethyl Acetate

Concen: 46.733 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

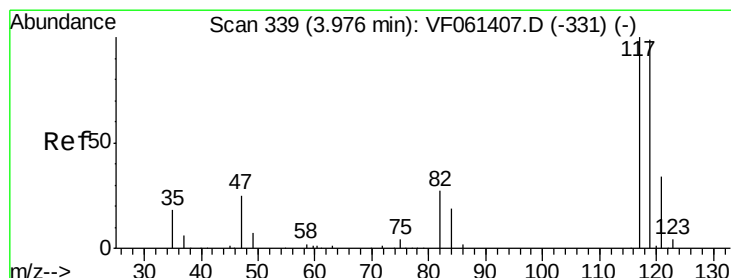
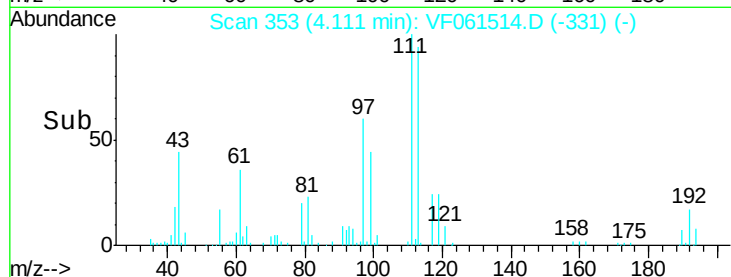
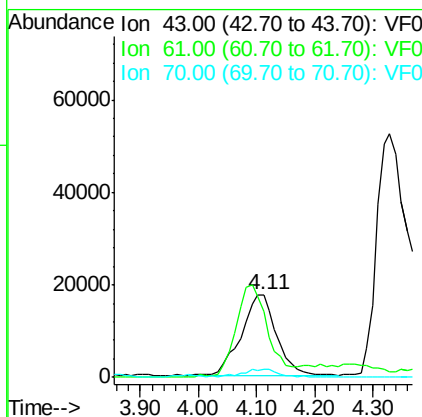
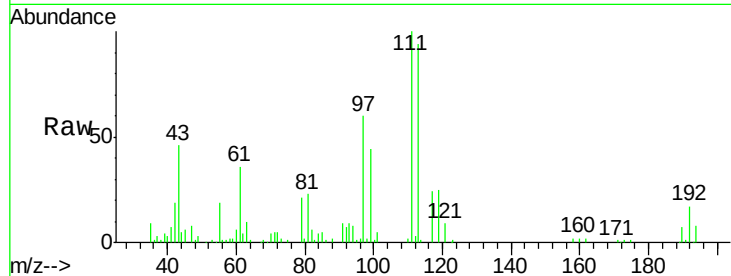
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	76053
Ion	Ratio	Lower	Upper
43	100		
61	79.0	81.7	122.5#
70	9.2	6.2	9.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 40.383 ug/l

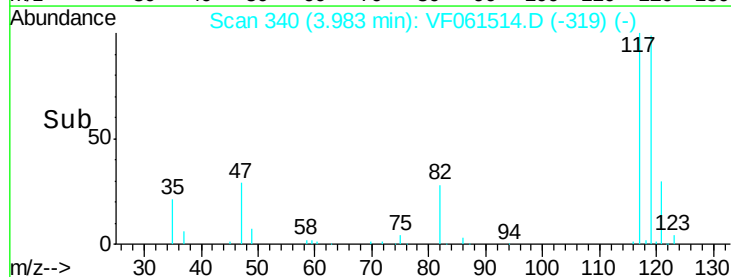
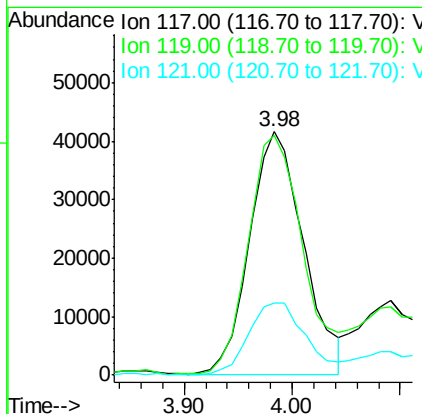
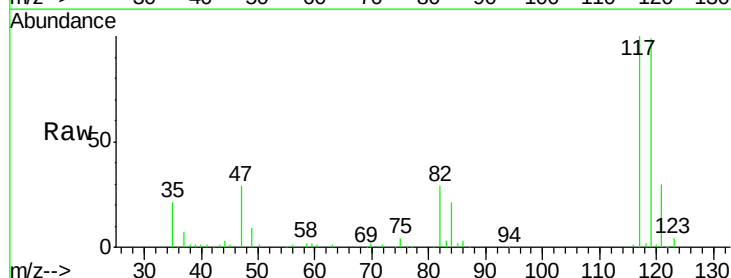
RT: 3.98 min Scan# 340

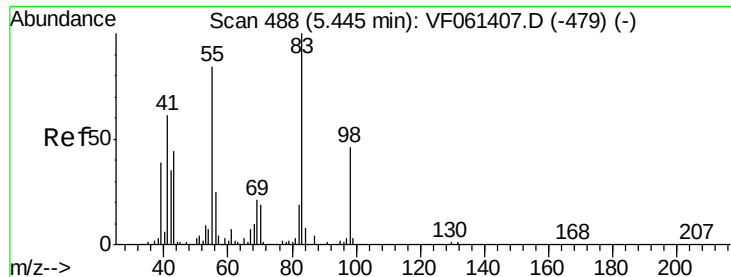
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	117	Resp:	143731
Ion	Ratio	Lower	Upper
117	100		
119	98.6	79.0	118.6
121	29.7	27.0	40.6





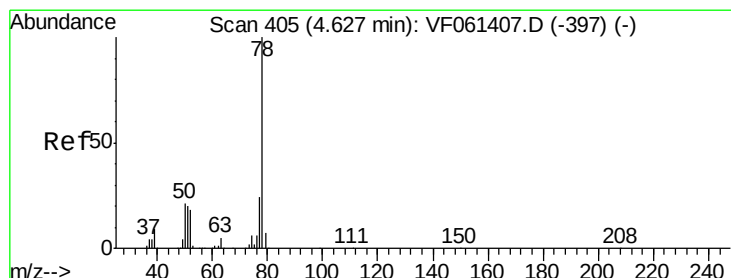
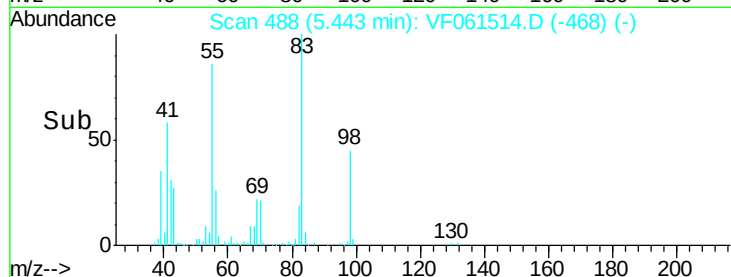
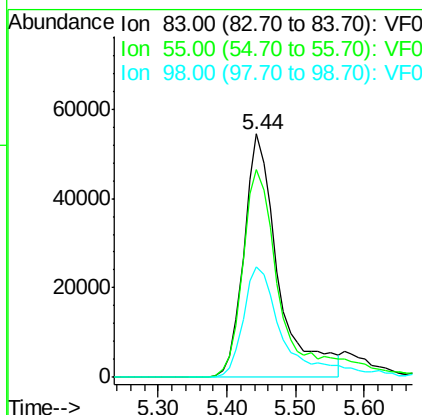
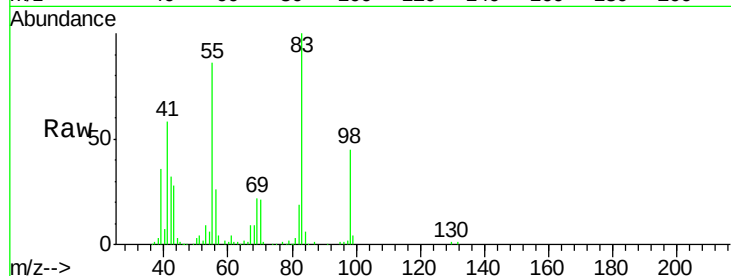
#39
Methylvlcyclohexane
Concen: 42.920 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	67.4	101.2
98	45.2	36.7	55.1

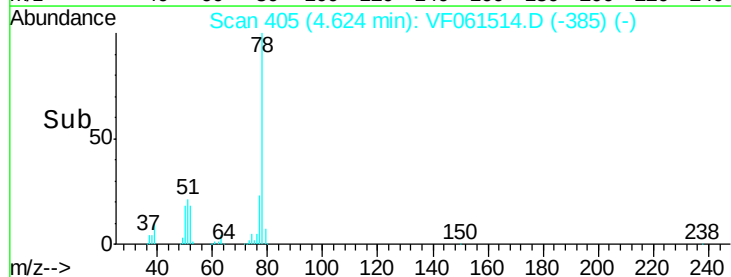
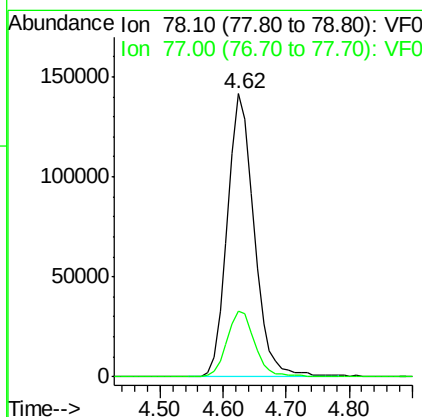
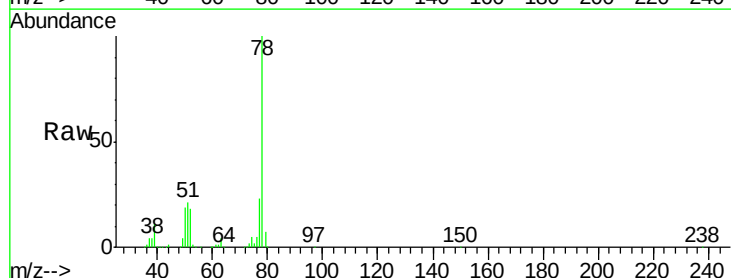
Manual Integrations
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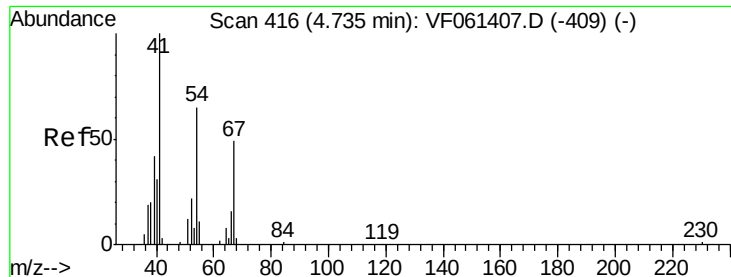
MMDadoda
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#40
Benzene
Concen: 46.018 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





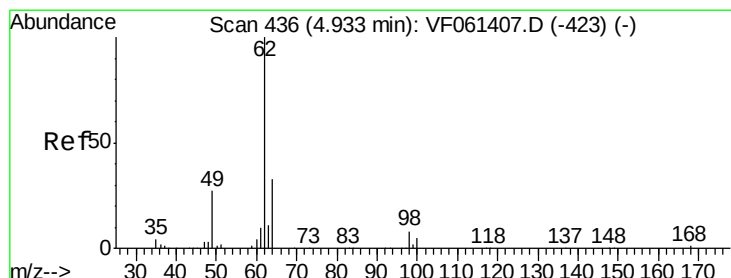
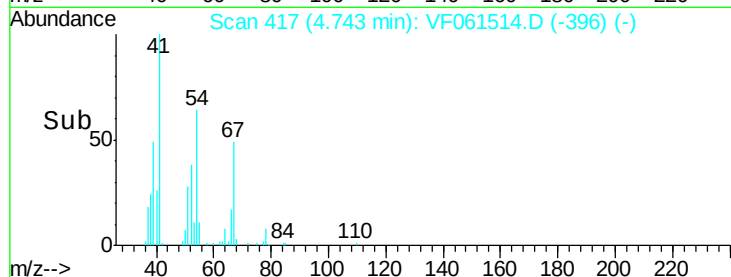
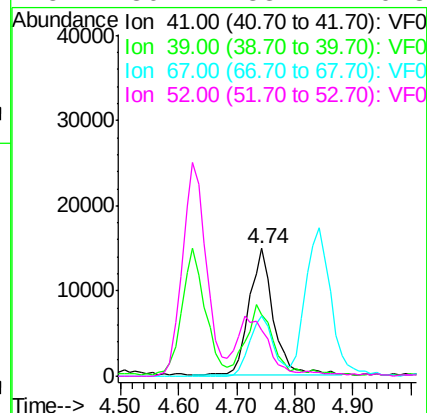
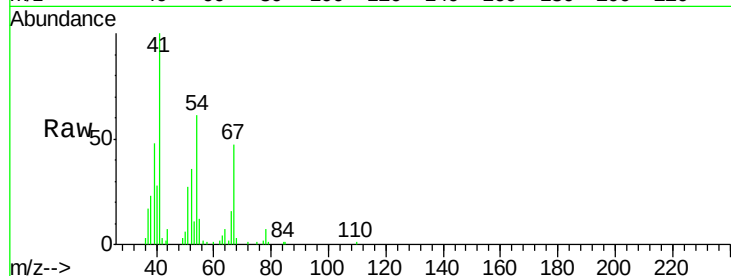
#41
Methacrylonitrile
Concen: 49.948 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	43.1	64.7
67	47.3	38.8	58.2
52	36.4	33.2	49.8

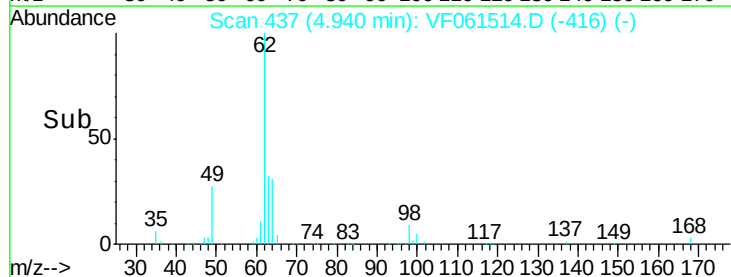
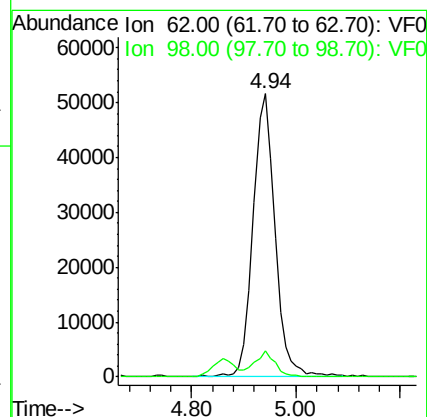
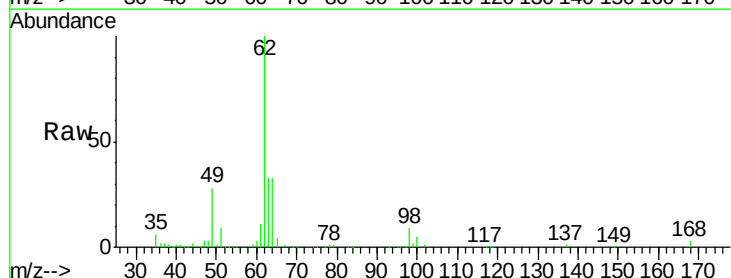
Manual Integrations
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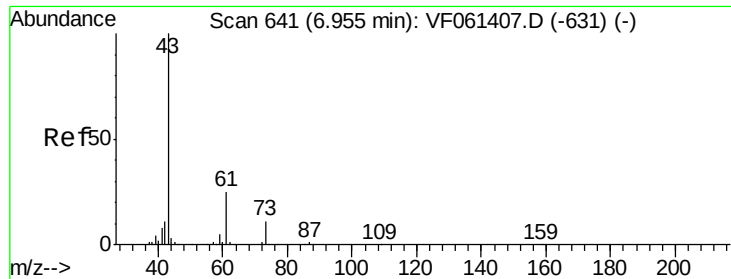
MMDadoda
1/28/2019 12:48:01 PM



#42
1,2-Dichloroethane
Concen: 45.693 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.0





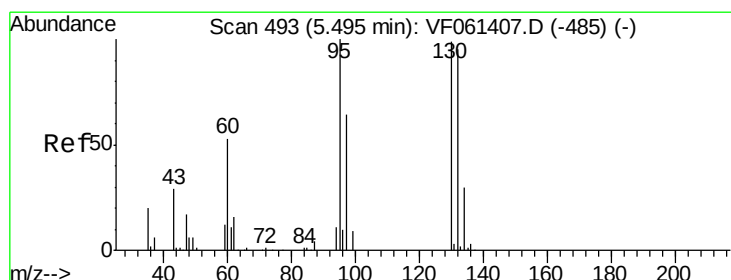
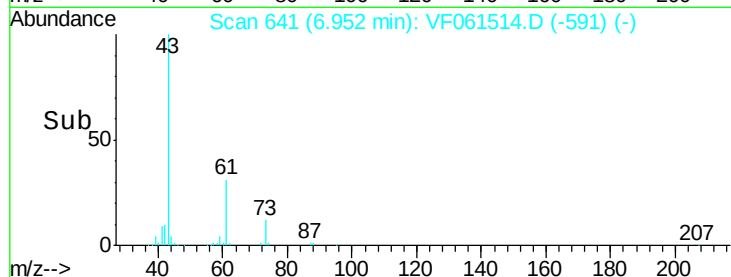
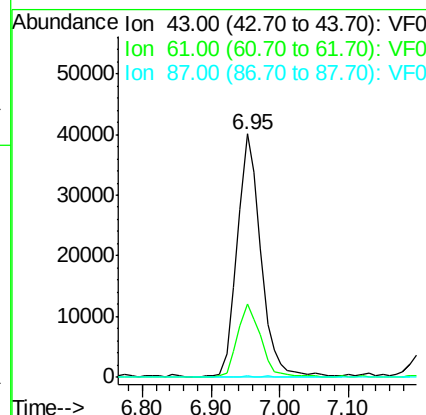
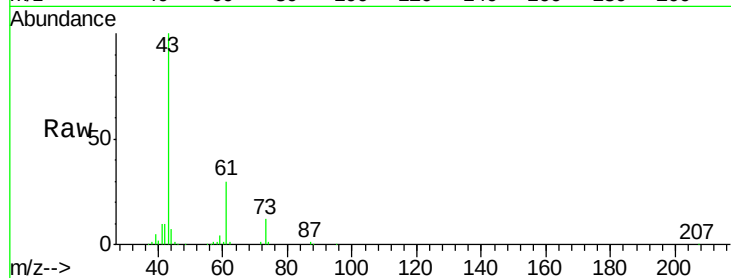
#43
Isopropyl Acetate
Concen: 47.408 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	20.3	30.5
87	0.5	0.5	0.7

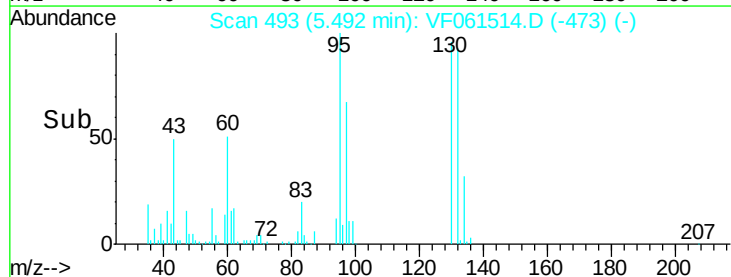
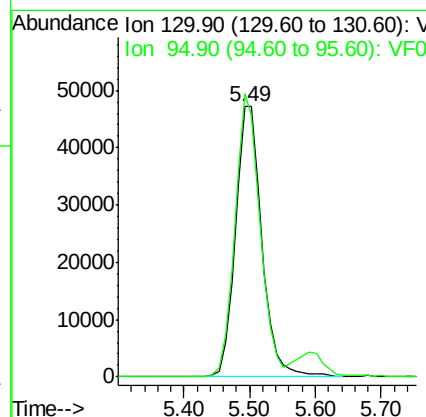
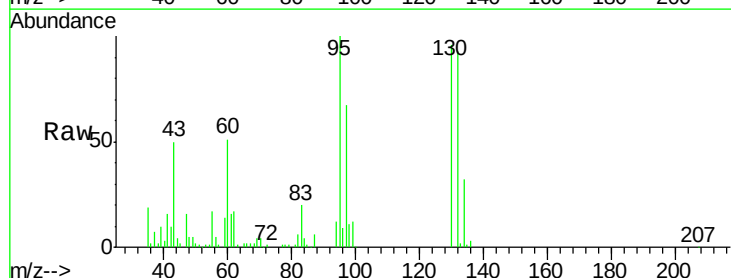
Manual Integrations
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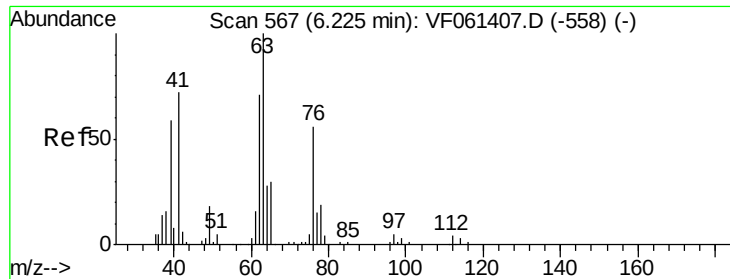
MMDadoda
1/28/2019 12:48:01 PM



#44
Trichloroethene
Concen: 47.903 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	202.8





#45

1,2-Dichloropropane

Concen: 48.480 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 115267

Ion Ratio Lower Upper

63 100

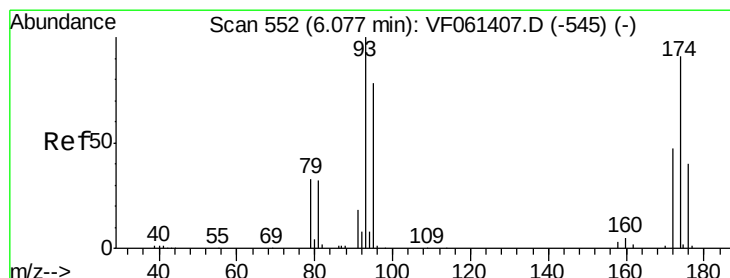
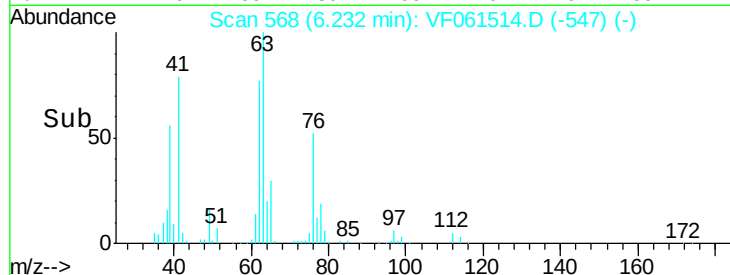
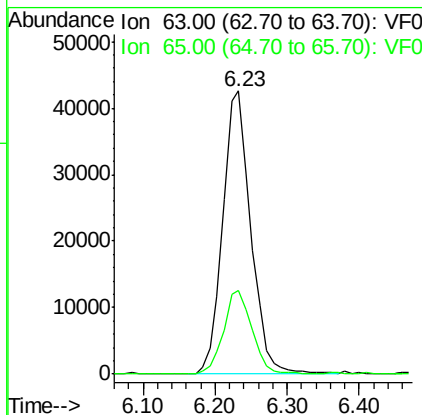
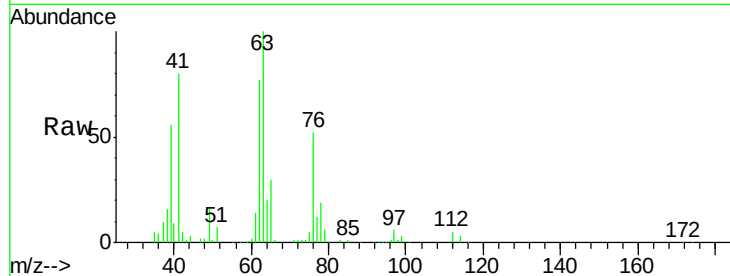
65 29.5 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 48.285 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

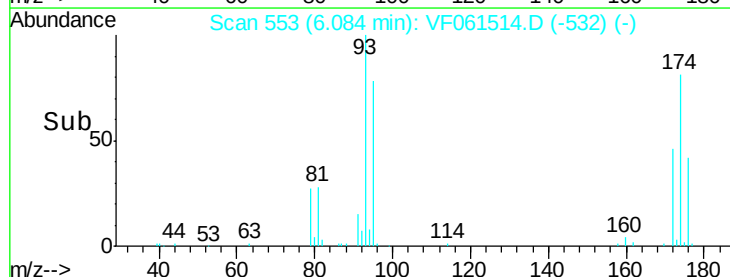
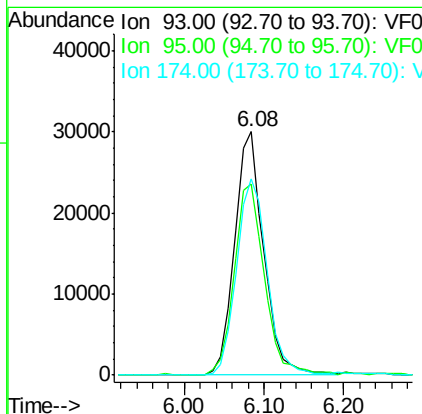
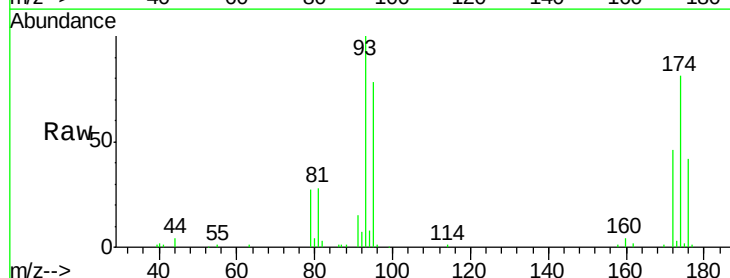
Tgt Ion: 93 Resp: 76336

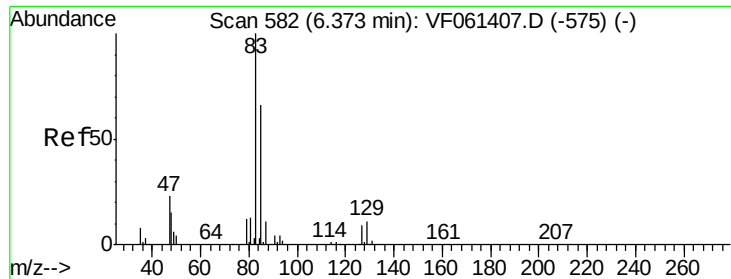
Ion Ratio Lower Upper

93 100

95 78.3 62.1 93.1

174 80.8 74.6 111.8





#47

Bromodichloromethane

Concen: 46.840 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

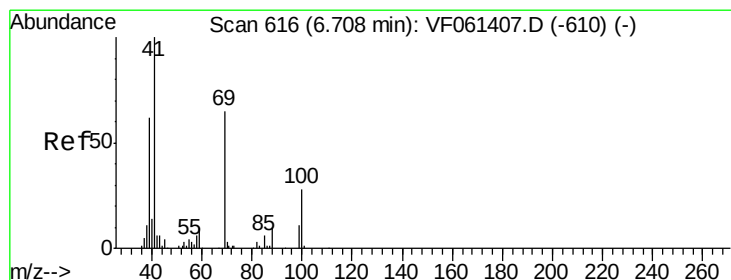
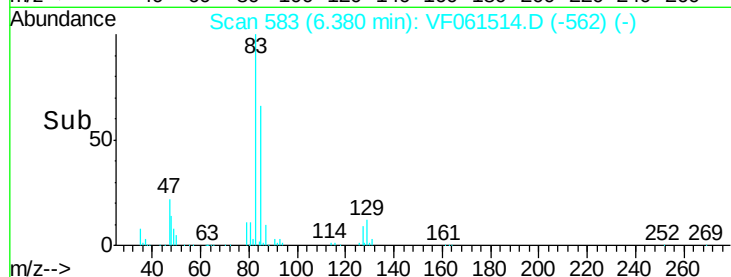
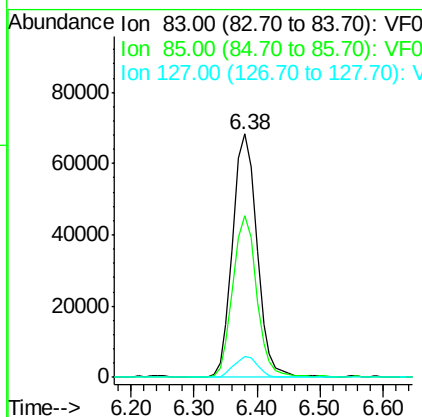
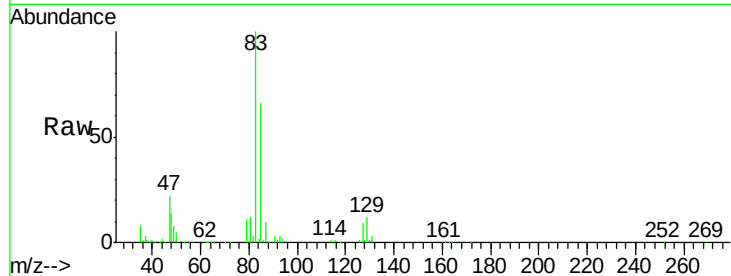
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	183217
Ion Ratio	Lower	Upper	
83	100		
85	66.3	53.0	79.4
127	8.7	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.812 ug/l

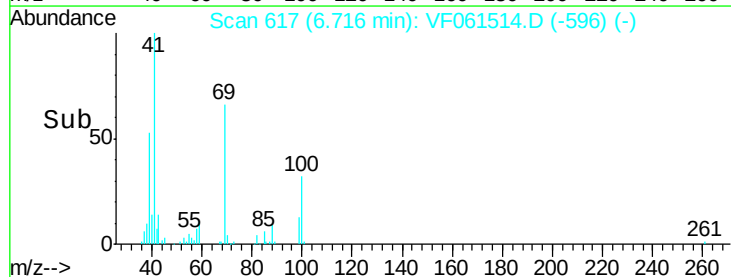
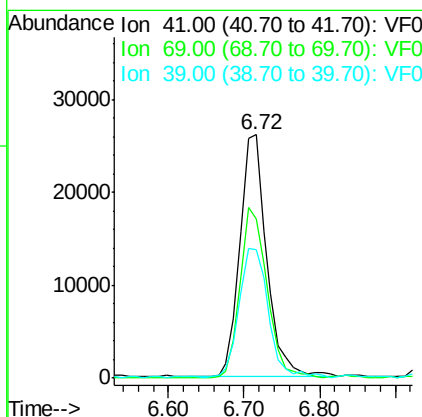
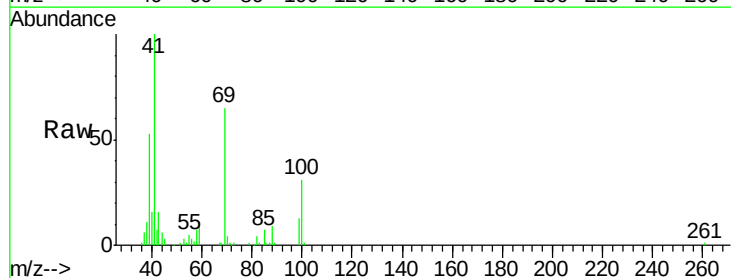
RT: 6.72 min Scan# 617

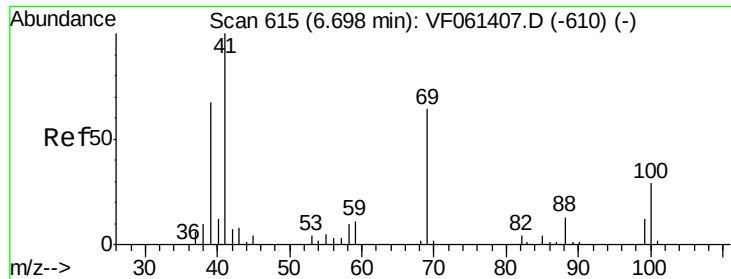
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	41	Resp:	64204
Ion Ratio	Lower	Upper	
41	100		
69	65.2	51.7	77.5
39	52.5	49.2	73.8





#49

1,4-Dioxane

Concen: 1042.215 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

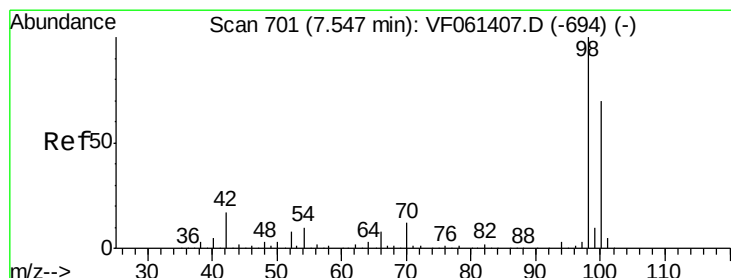
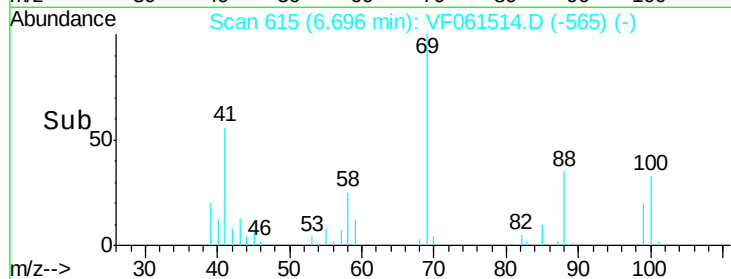
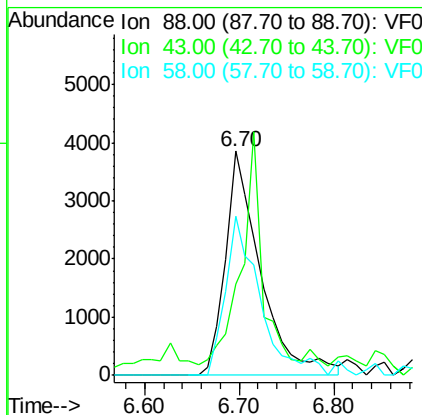
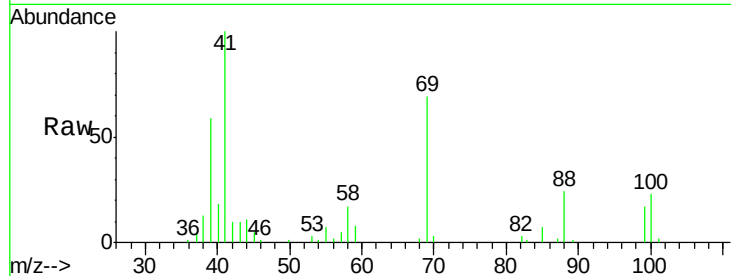
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	9950		
43	40.8		55.5	83.3#
58	71.1		59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 46.299 ug/l

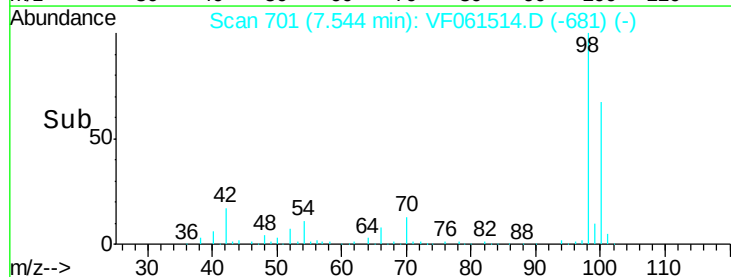
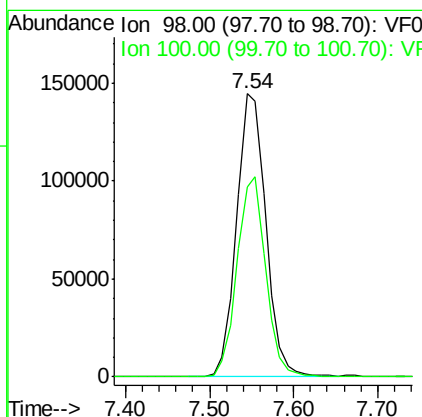
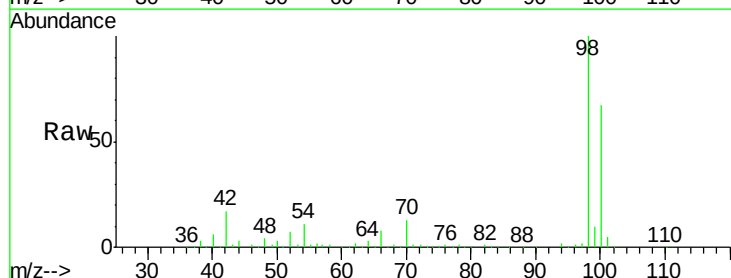
RT: 7.54 min Scan# 701

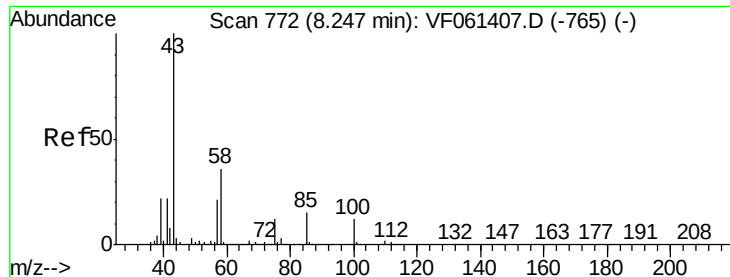
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	351467		
100	67.2		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 237.739 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 356978

Ion Ratio Lower Upper

43 100

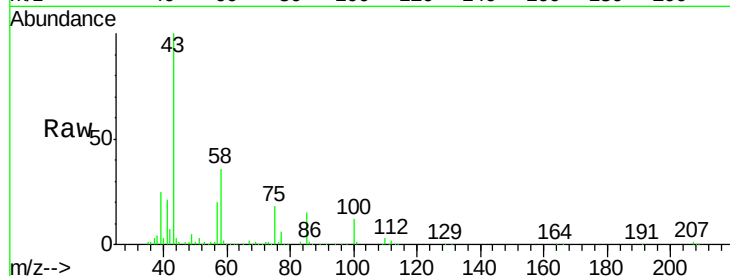
58 35.6 28.8 43.2

Manual Integrations

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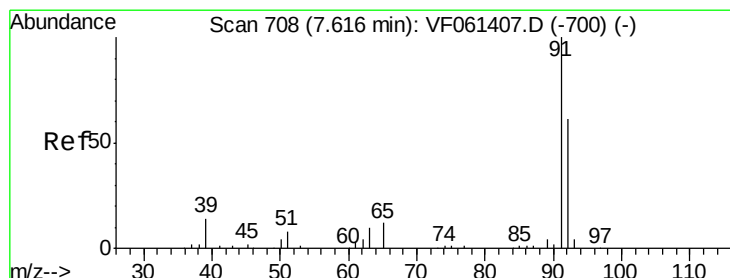
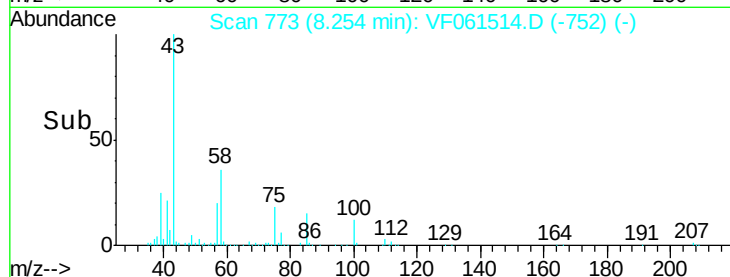
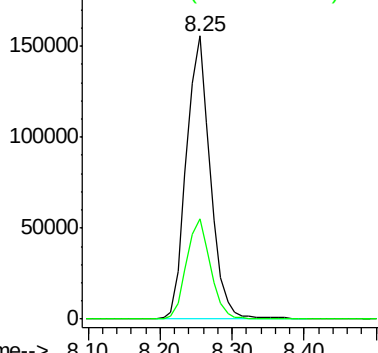
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 44.242 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061514.D

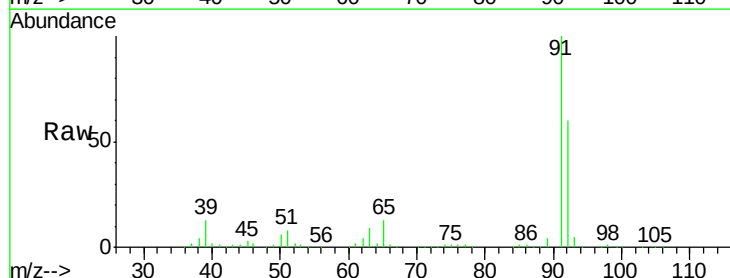
Acq: 25 Jan 2019 11:21

Tgt Ion: 92 Resp: 263936

Ion Ratio Lower Upper

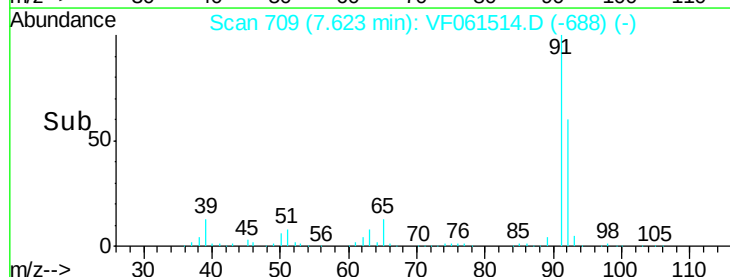
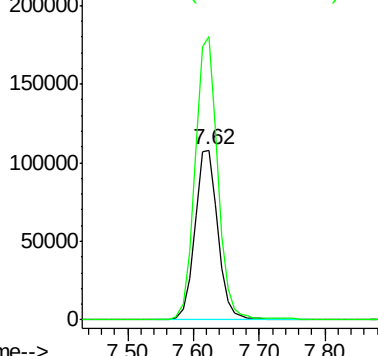
92 100

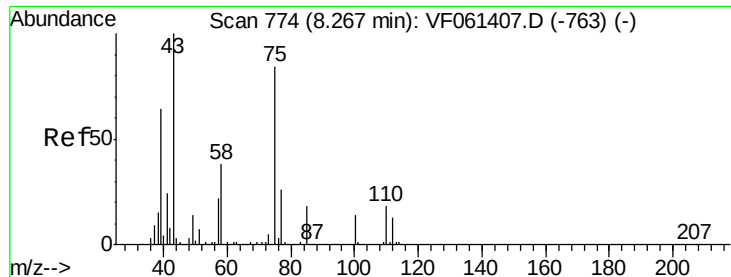
91 166.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 45.819 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 142316

Ion Ratio Lower Upper

75 100

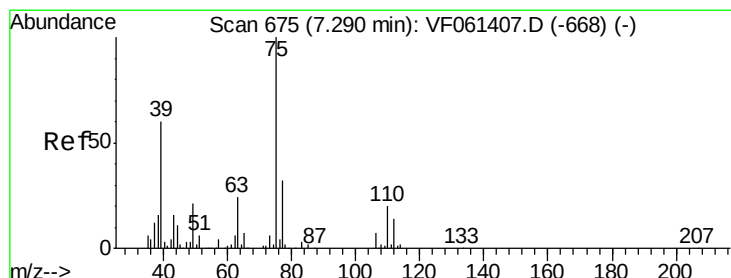
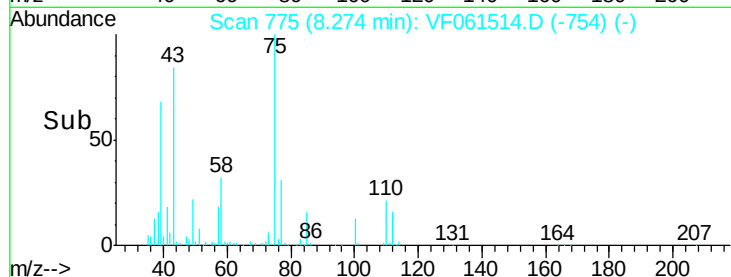
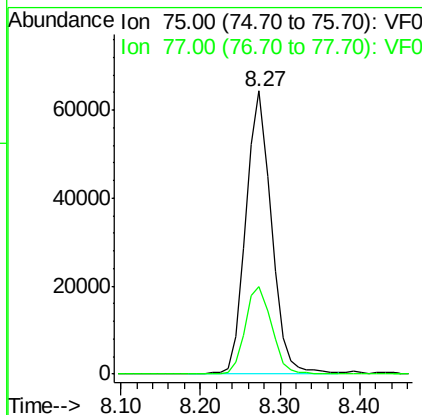
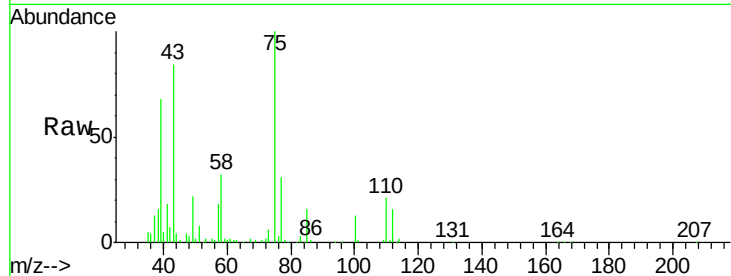
77 31.1 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.885 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

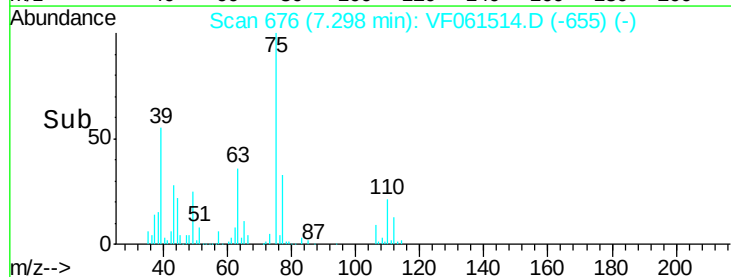
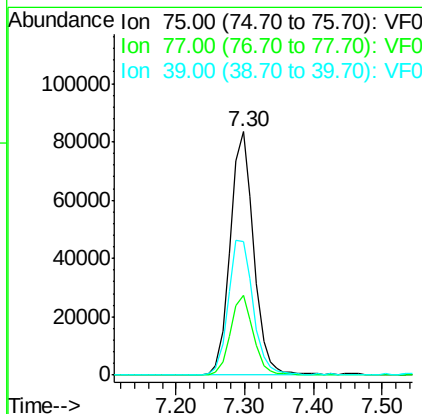
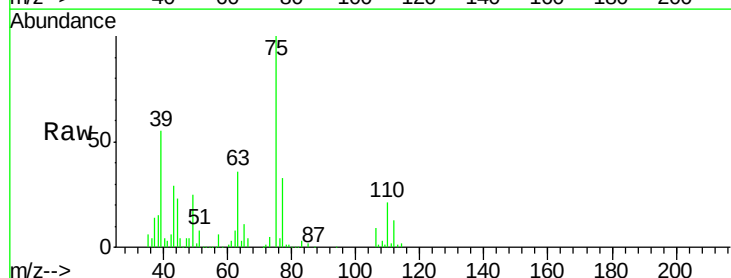
Tgt Ion: 75 Resp: 197558

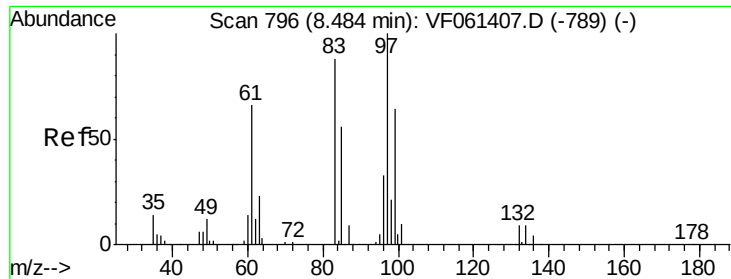
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 54.7 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 48.706 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

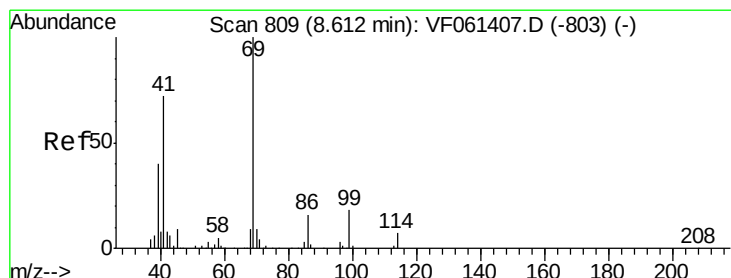
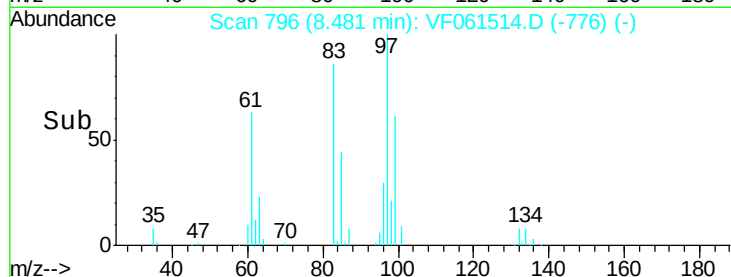
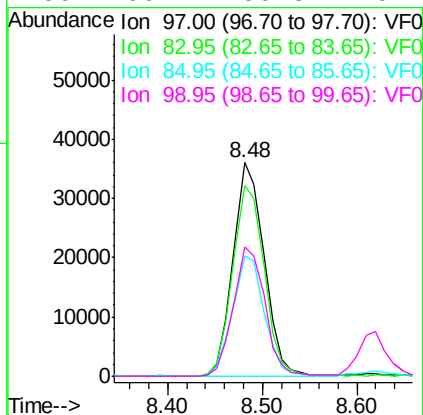
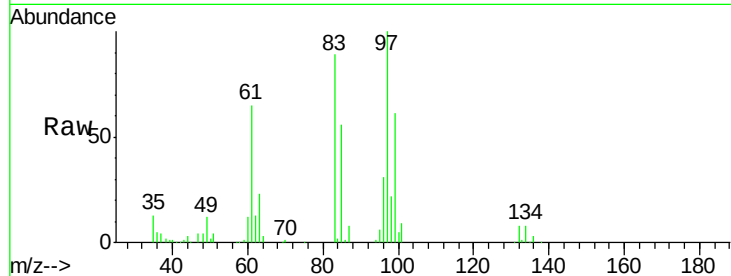
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	82512
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	56.2	44.7	67.1
99	60.7	50.8	76.2

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#56

Ethyl methacrylate

Concen: 43.533 ug/l

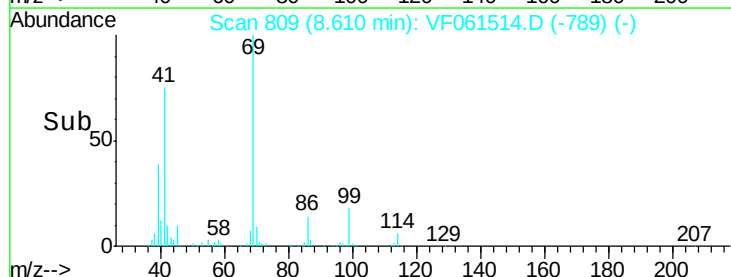
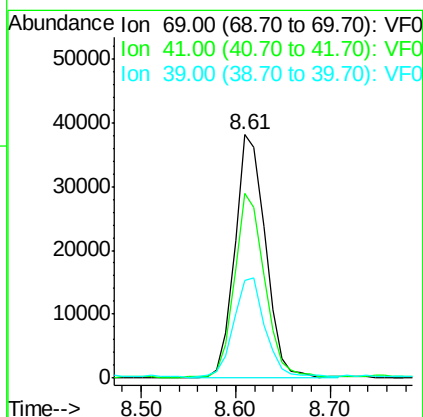
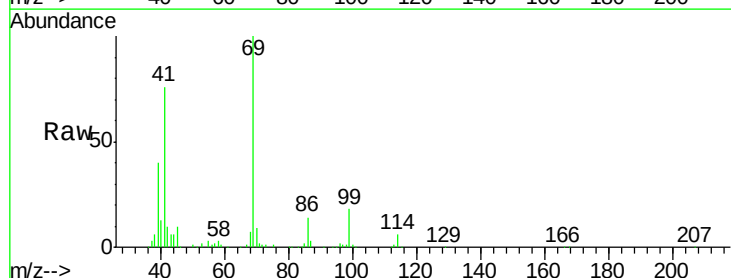
RT: 8.61 min Scan# 809

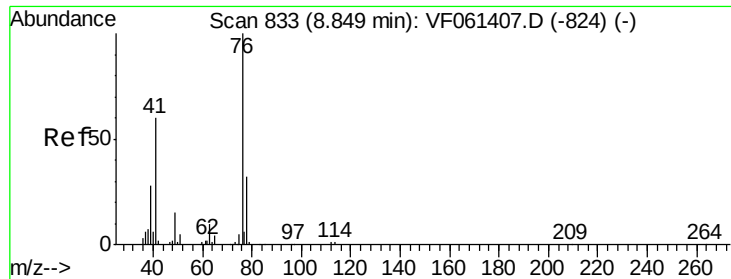
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	69	Resp:	85802
Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.5	86.3
39	40.1	32.0	48.0





#57

1,3-Dichloropropane

Concen: 46.130 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 146479

Ion Ratio Lower Upper

76 100

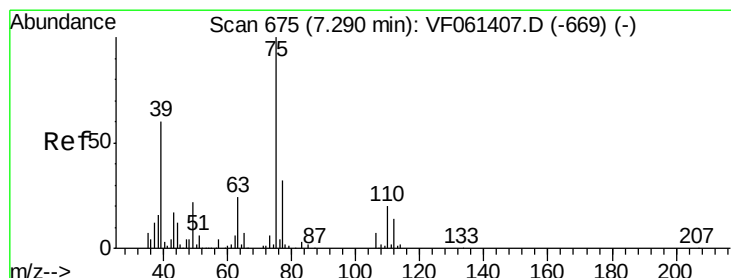
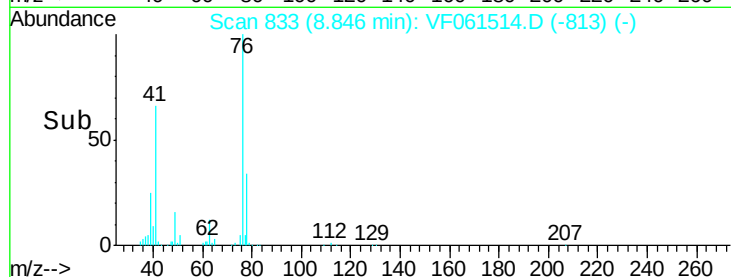
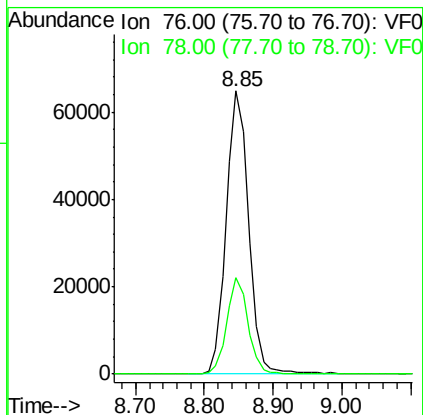
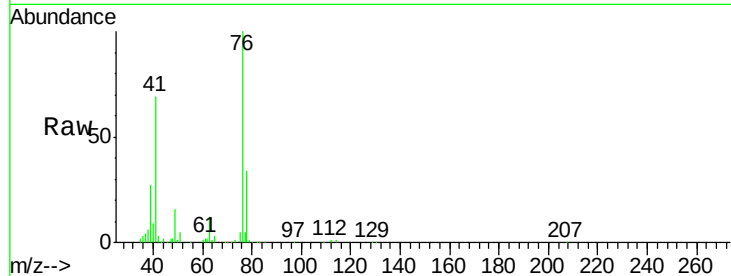
78 34.1 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 370.318 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061514.D

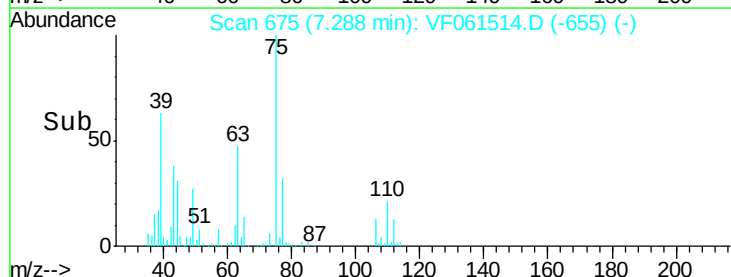
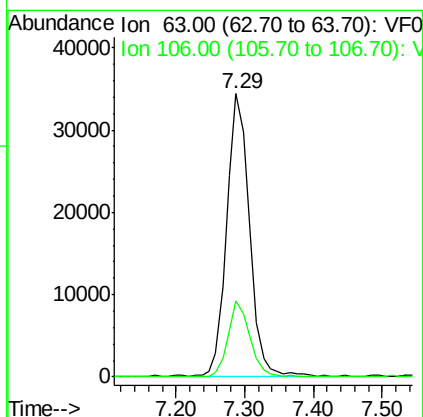
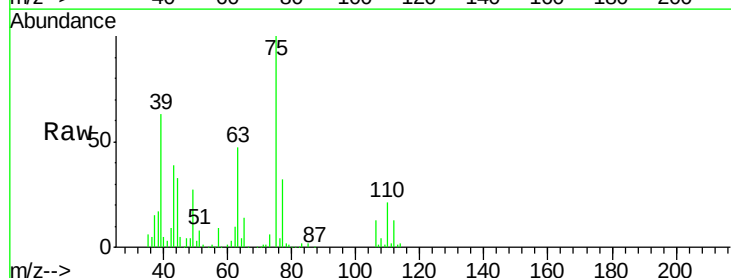
Acq: 25 Jan 2019 11:21

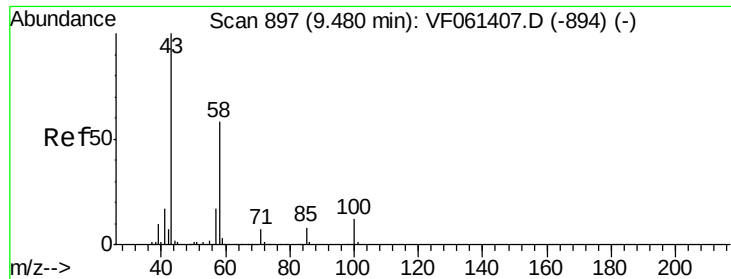
Tgt Ion: 63 Resp: 79613

Ion Ratio Lower Upper

63 100

106 27.0 21.9 32.9





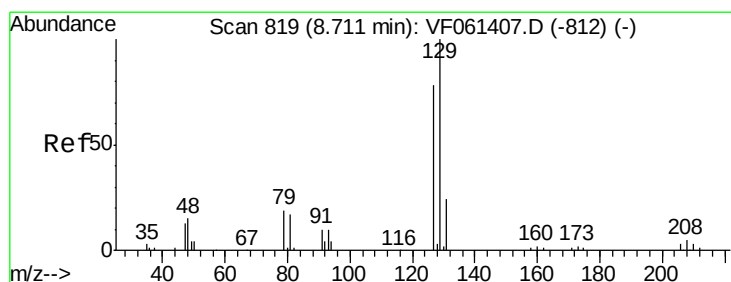
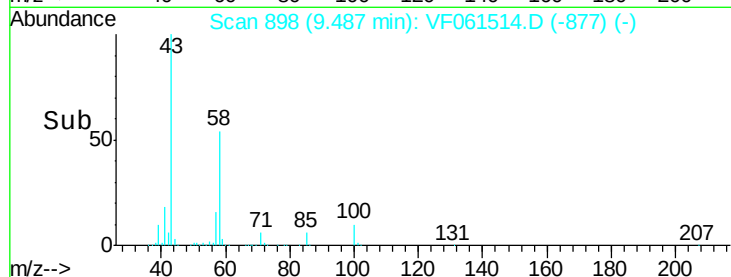
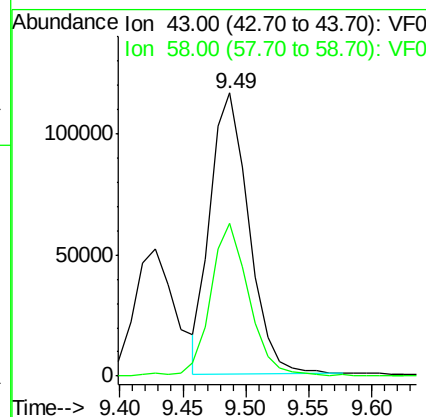
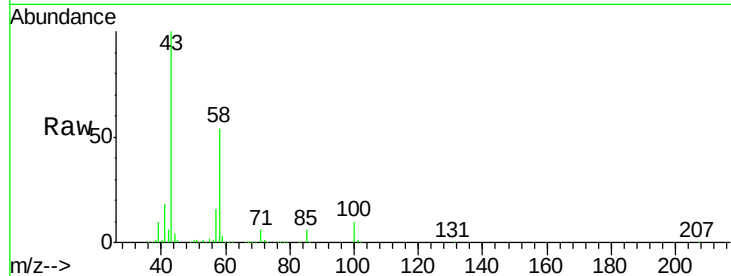
#59
2-Hexanone
Concen: 236.682 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 247821
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.6

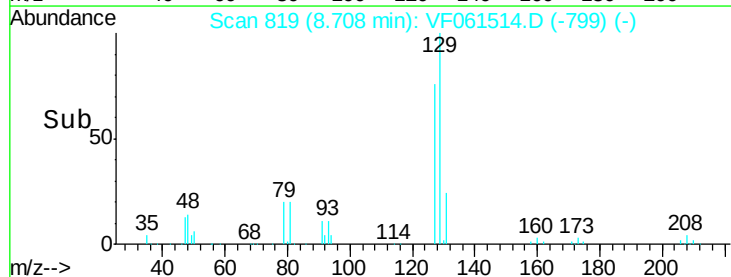
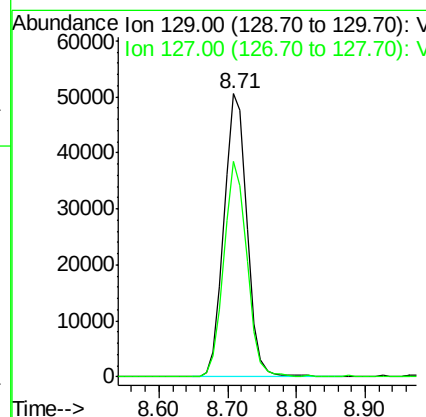
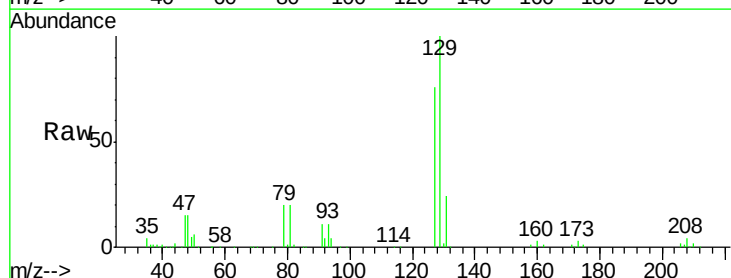
Manual Integrations
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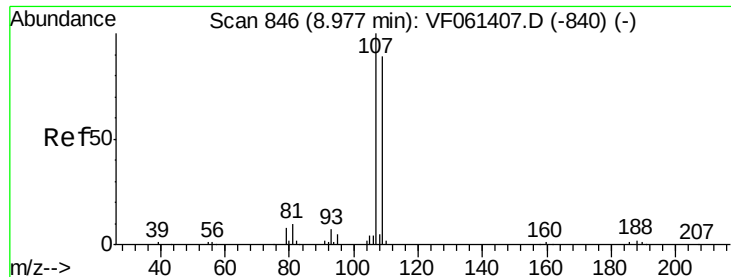
MMDadoda
1/28/2019 12:48:01 PM



#60
Dibromochloromethane
Concen: 47.496 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 129 Resp: 117633
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 43.884 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 85109

Ion Ratio Lower Upper

107 100

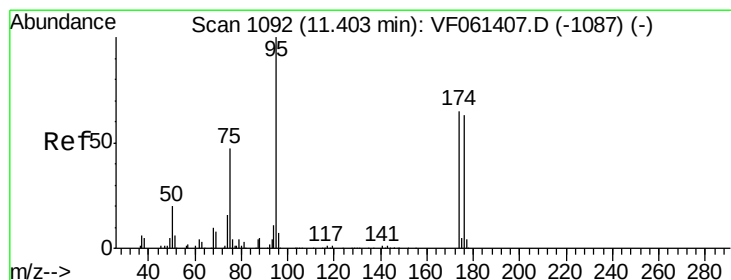
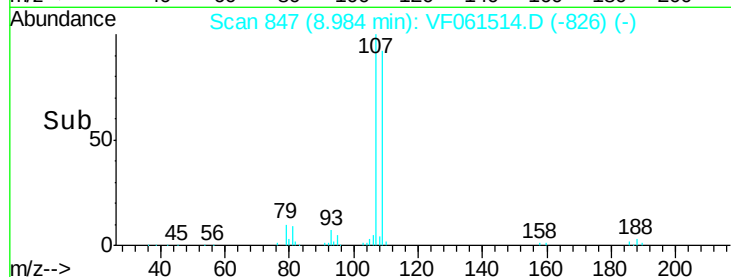
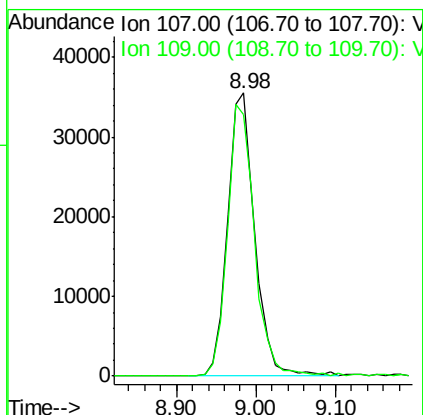
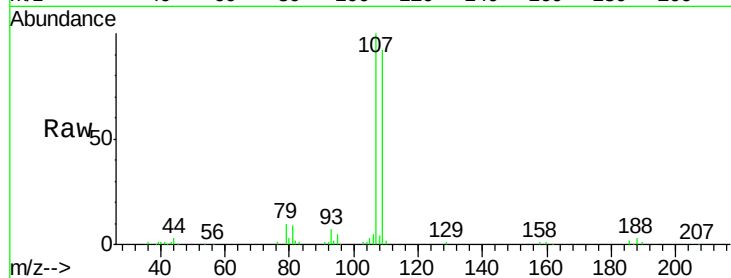
109 92.3 70.8 106.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 43.653 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

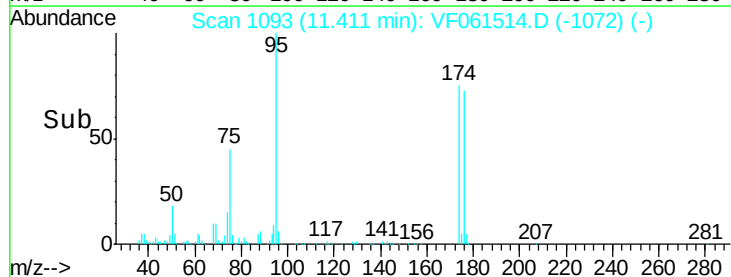
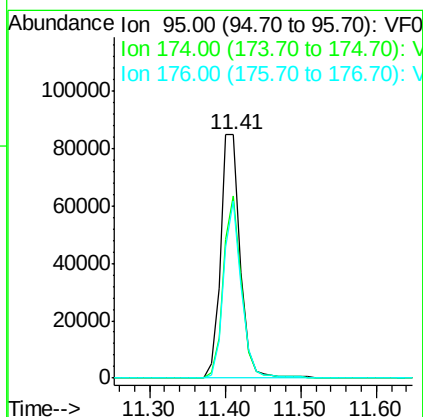
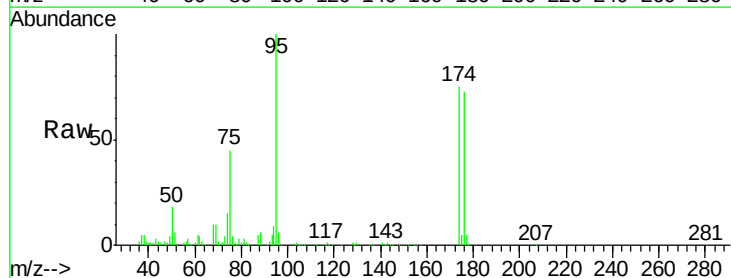
Tgt Ion: 95 Resp: 154832

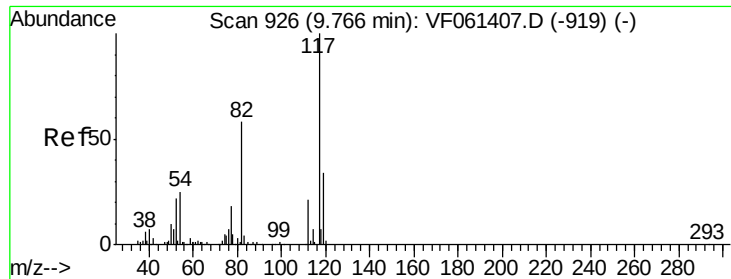
Ion Ratio Lower Upper

95 100

174 75.0 0.0 130.4

176 72.8 0.0 126.2





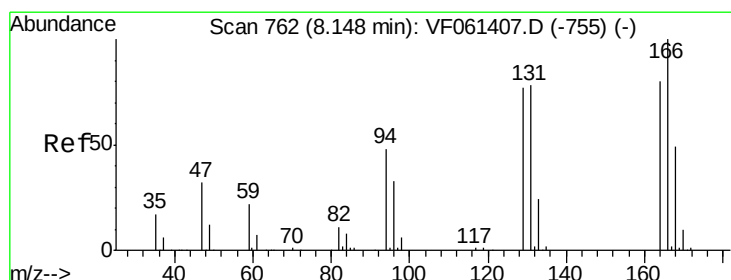
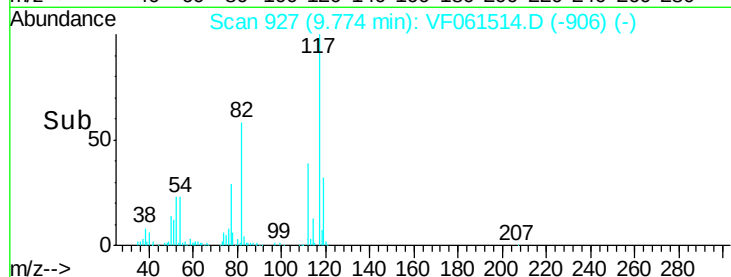
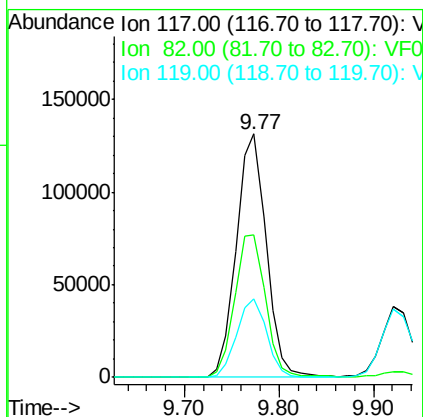
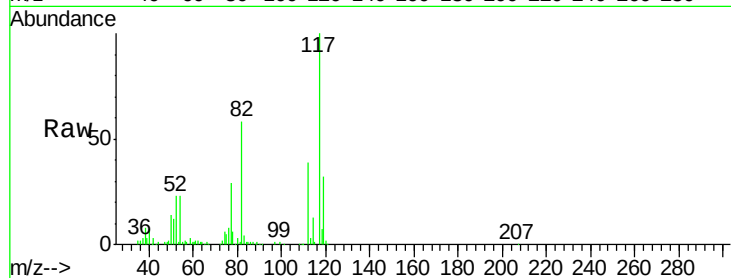
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289066		
82	58.3		46.4	69.6
119	32.3		27.2	40.8

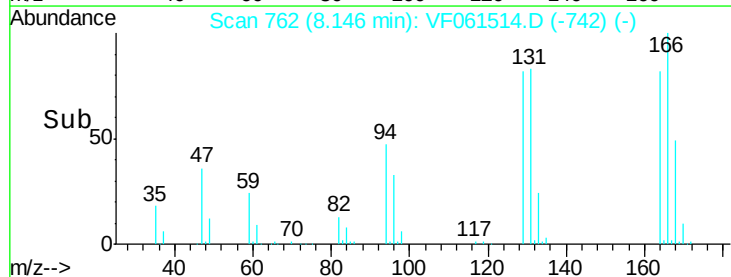
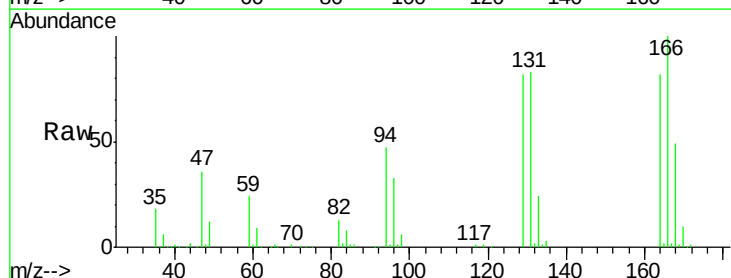
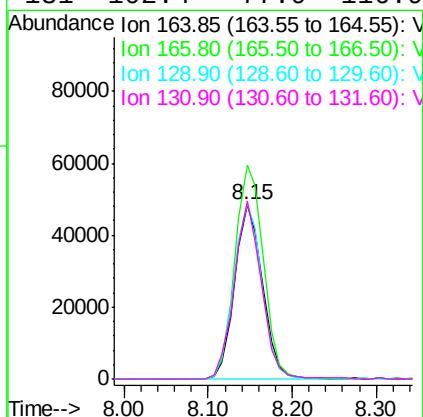
Manual Integrations
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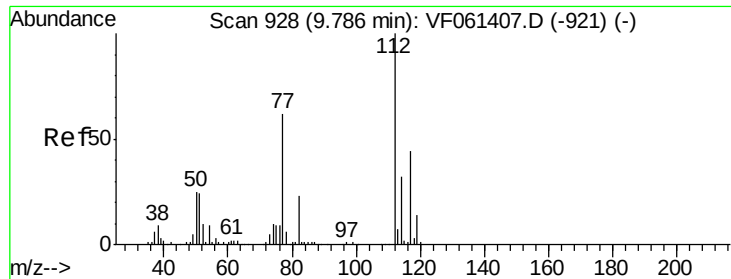
MMDadoda
1/28/2019 12:48:01 PM



#64
Tetrachloroethene
Concen: 51.650 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112277		
166	122.7		99.6	149.4
129	100.7		76.4	114.6
131	102.4		77.9	116.9





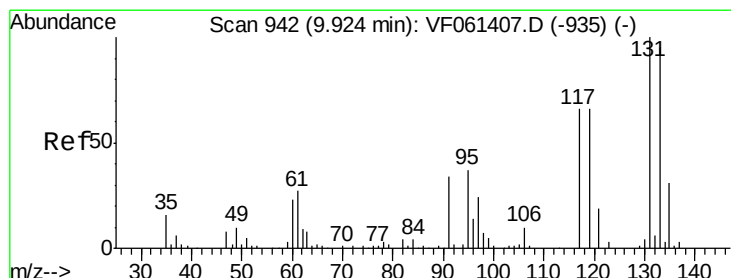
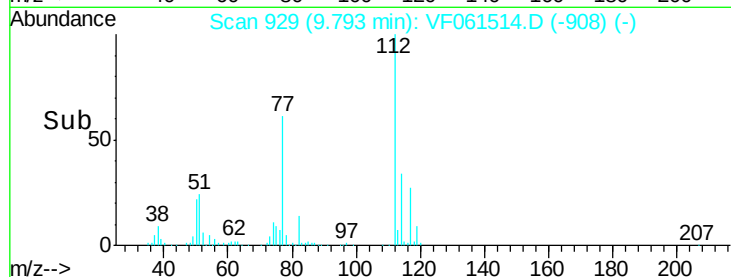
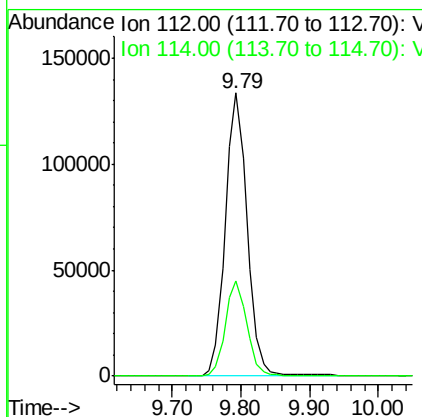
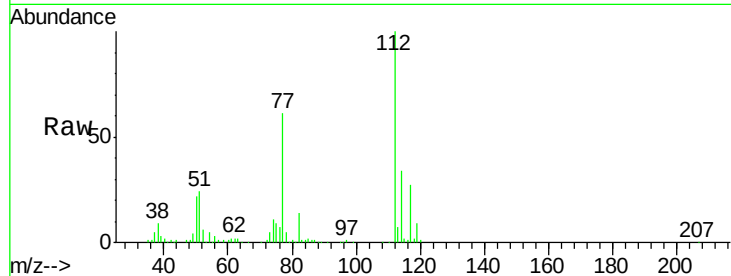
#65
Chlorobenzene
Concen: 50.033 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.4	38.0

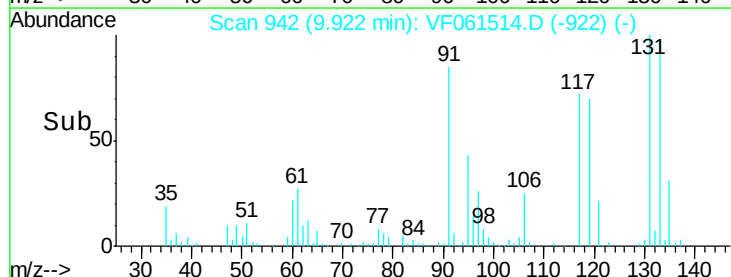
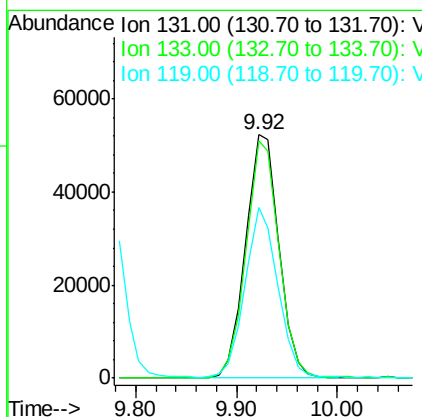
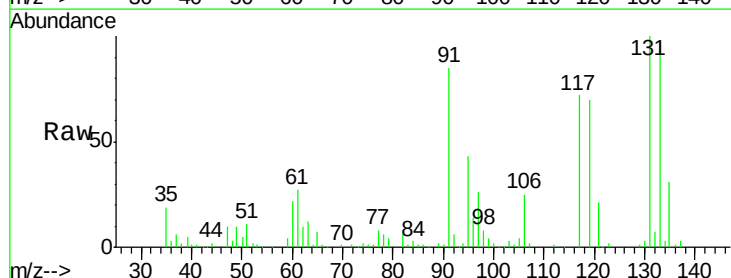
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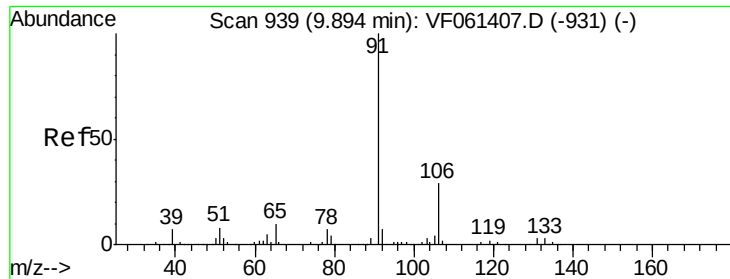
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.753 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.4	142.2
119	70.1	33.1	99.3





#67

Ethyl Benzene

Concen: 50.434 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 541666

Ion Ratio Lower Upper

91 100

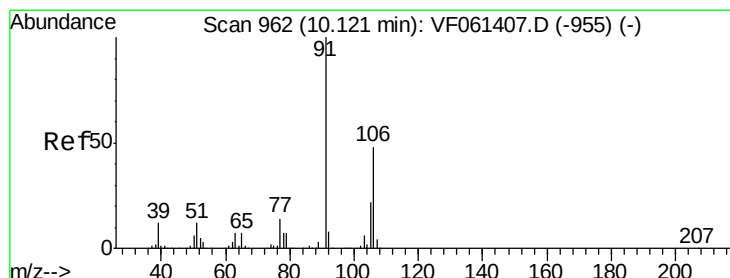
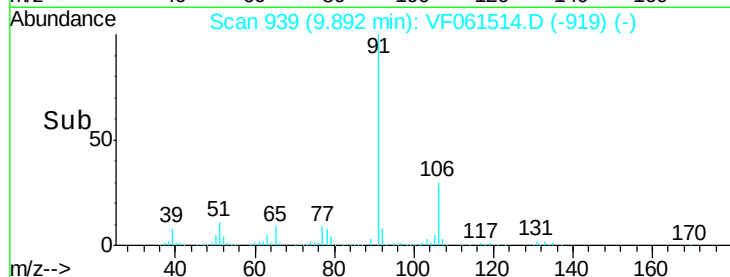
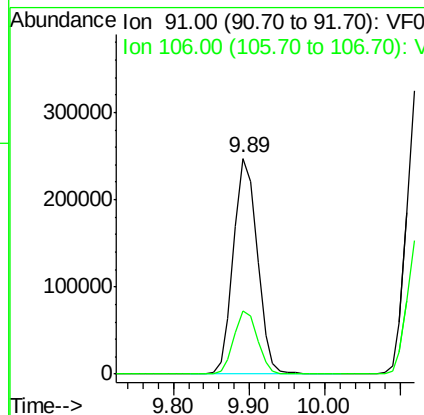
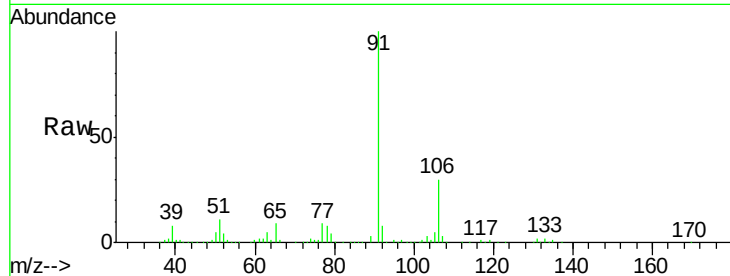
106 29.5 23.1 34.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.779 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061514.D

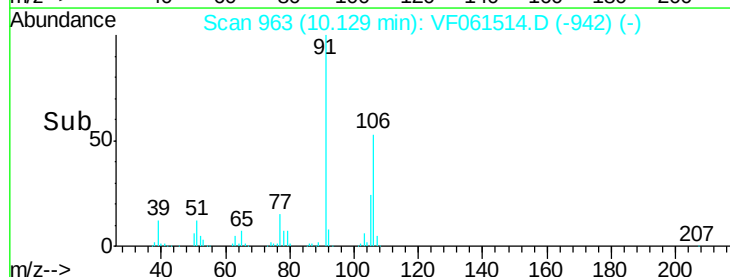
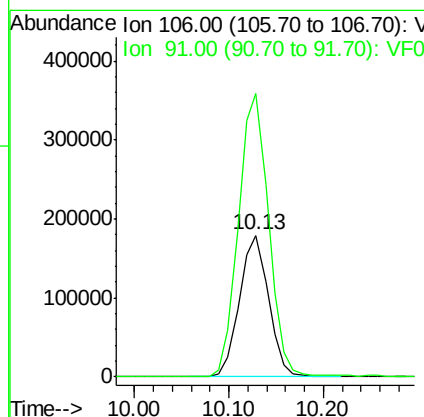
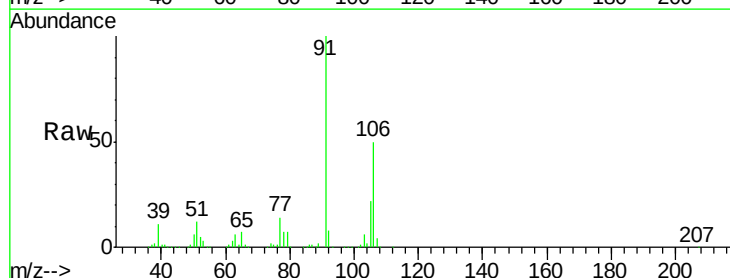
Acq: 25 Jan 2019 11:21

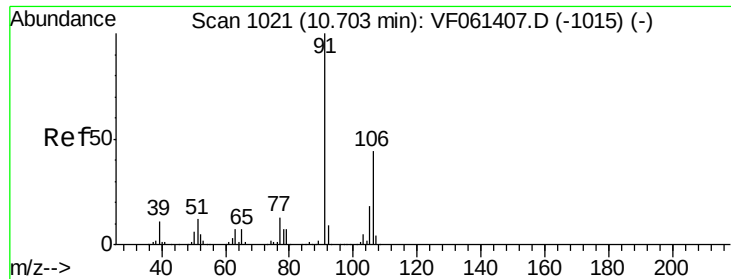
Tgt Ion: 106 Resp: 381569

Ion Ratio Lower Upper

106 100

91 200.1 166.2 249.4





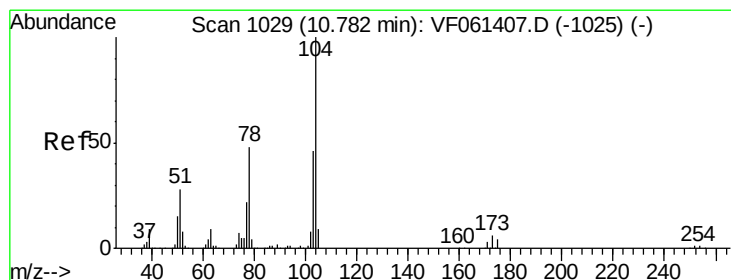
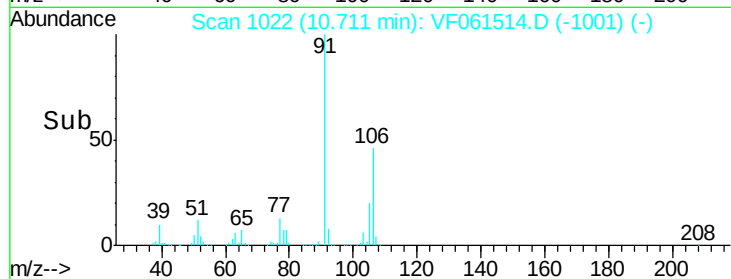
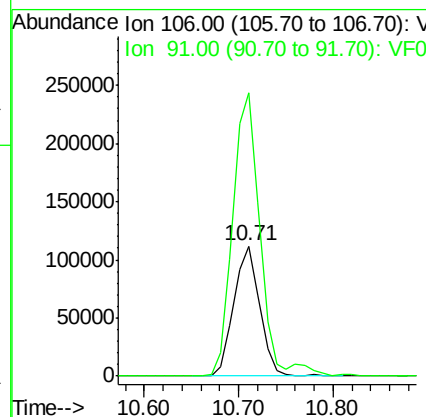
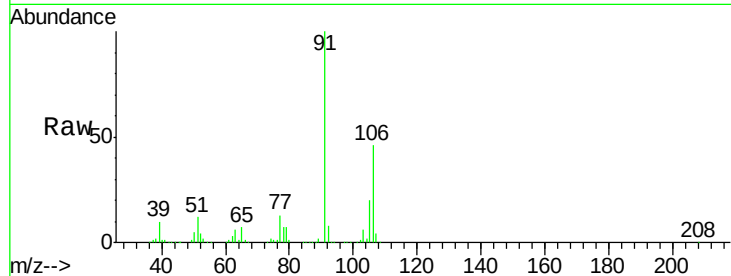
#69
o-Xylene
Concen: 51.161 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	214192		
91	217.5	113.3	339.8	

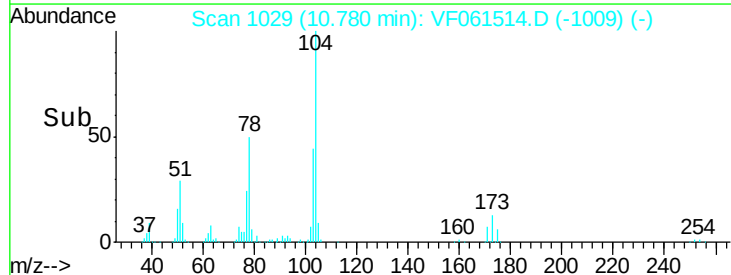
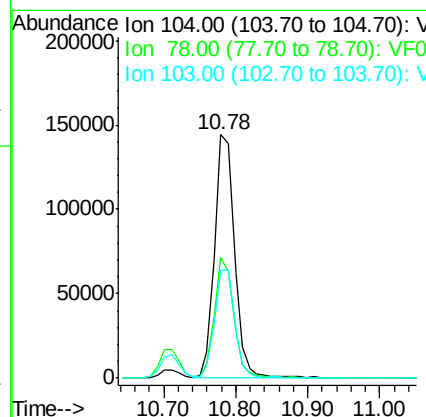
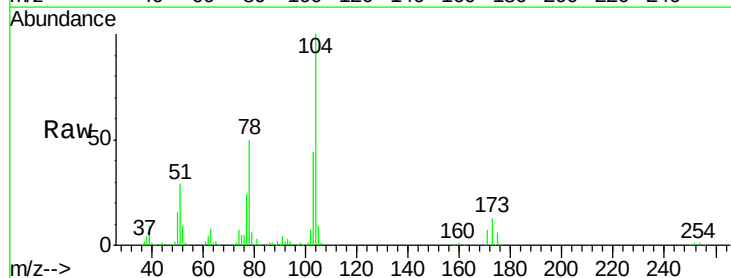
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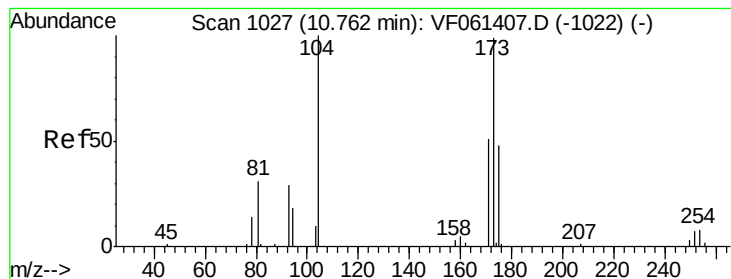
MMDadoda
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#70
Styrene
Concen: 48.159 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	275989		
78	49.6	38.8	58.2	
103	44.5	37.0	55.6	





#71

Bromoform

Concen: 52.547 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55288

Ion Ratio Lower Upper

173 100

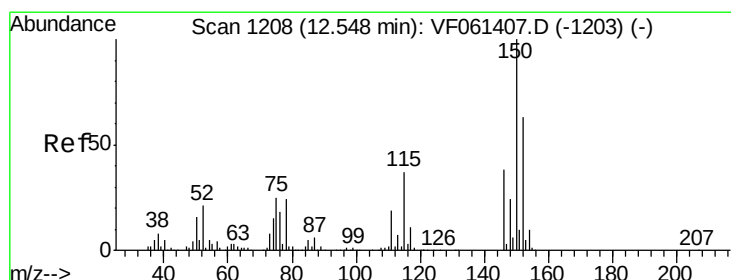
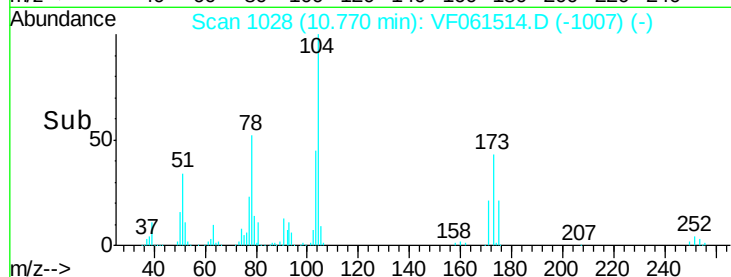
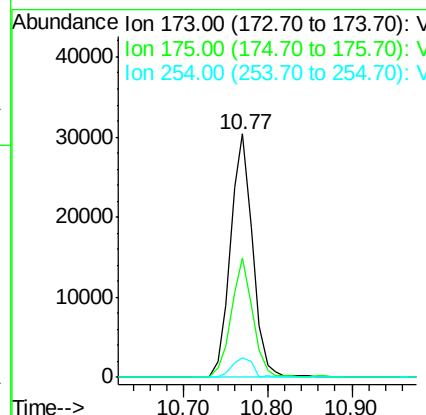
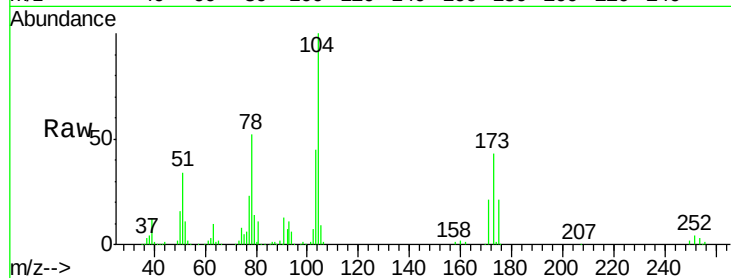
175 49.7 24.1 72.4

254 8.2 0.0 0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

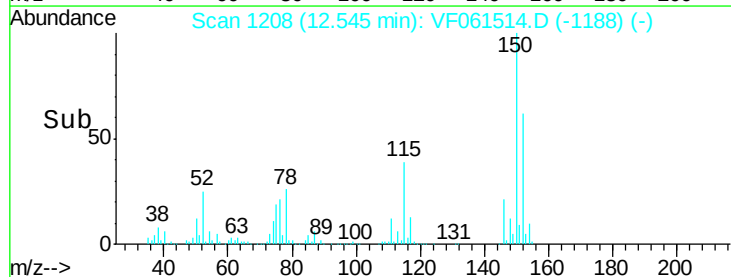
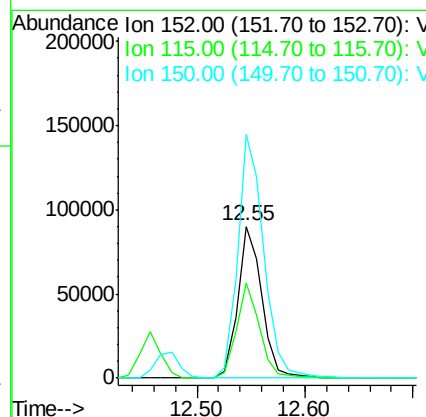
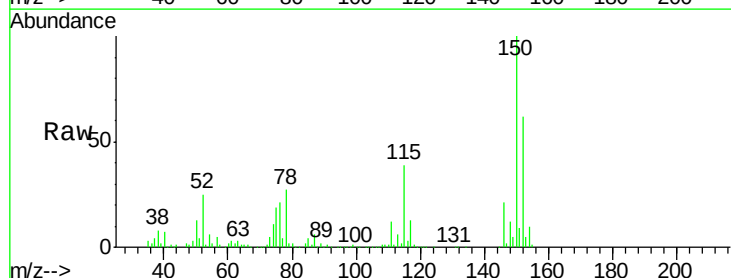
Tgt Ion:152 Resp: 139249

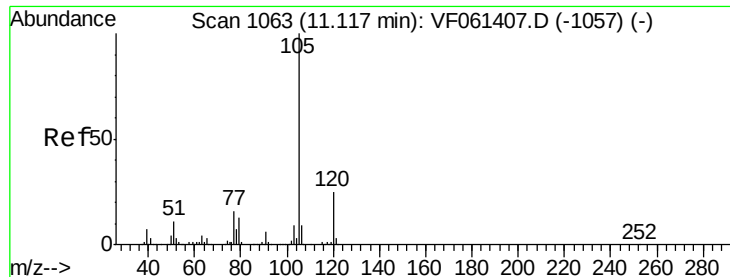
Ion Ratio Lower Upper

152 100

115 62.8 30.0 90.0

150 160.4 0.0 321.4





#73

Isopropylbenzene

Concen: 54.880 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 621539

Ion Ratio Lower Upper

105 100

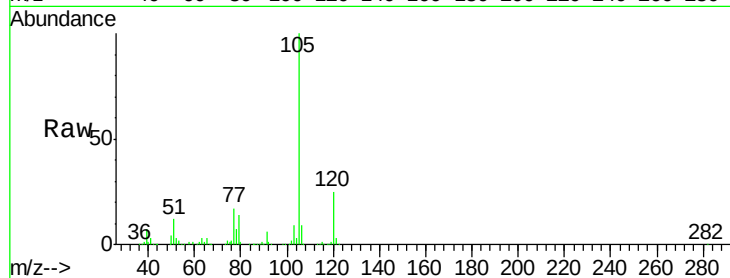
120 24.7 12.6 37.8

Manual Integrations

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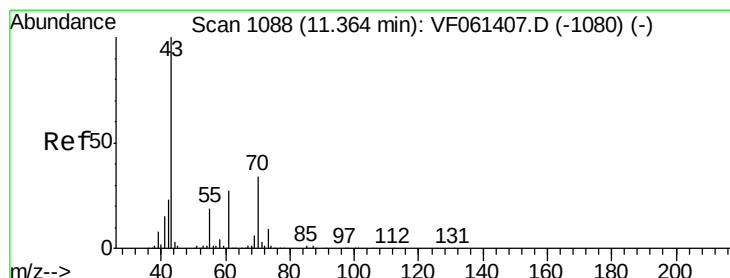
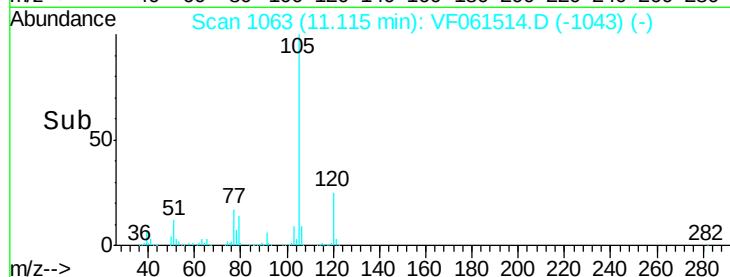
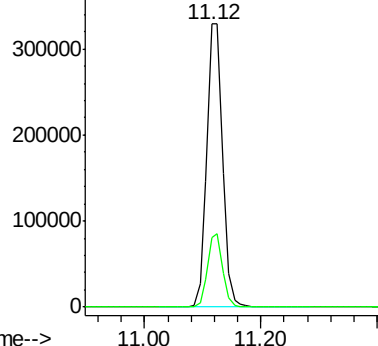
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.168 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion: 43 Resp: 153098

Ion Ratio Lower Upper

43 100

70 35.7 27.6 41.4

55 21.0 15.4 23.2

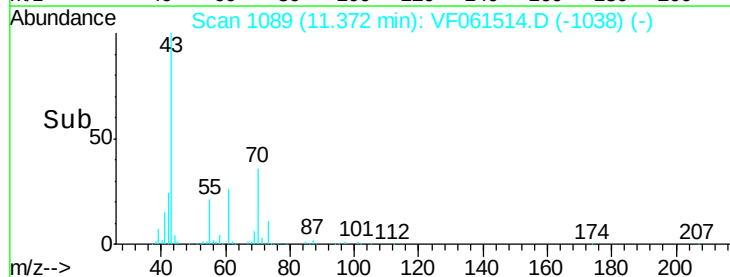
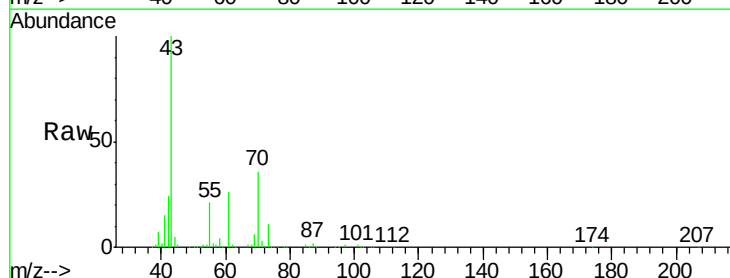
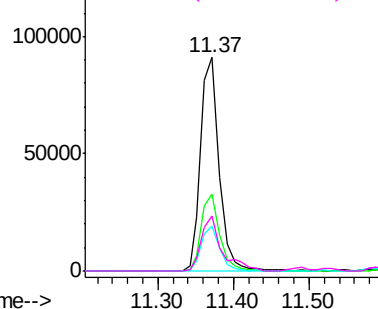
61 26.0 21.8 32.6

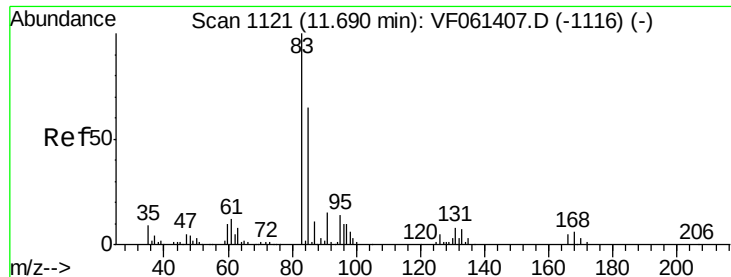
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.820 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

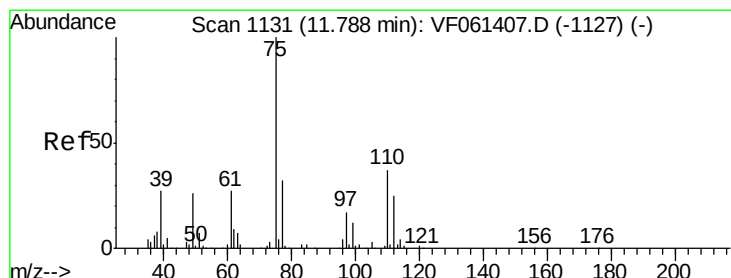
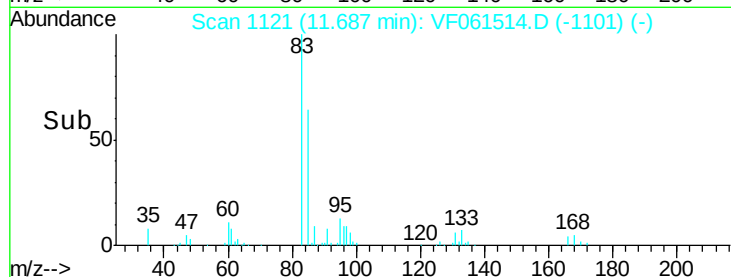
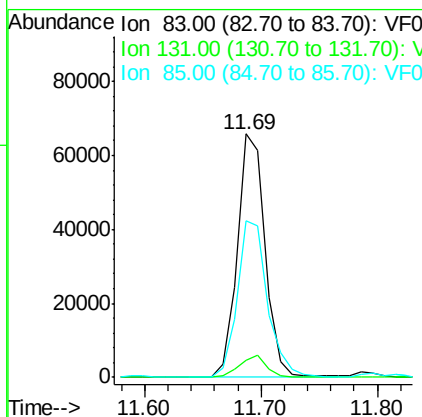
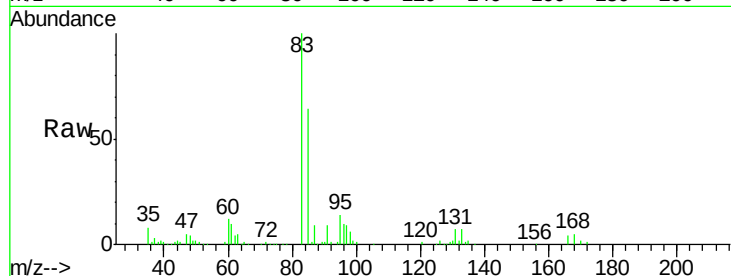
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	108586
Ion	Ratio	Lower	Upper
83	100		
131	7.0	4.0	12.2
85	64.2	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 51.319 ug/l

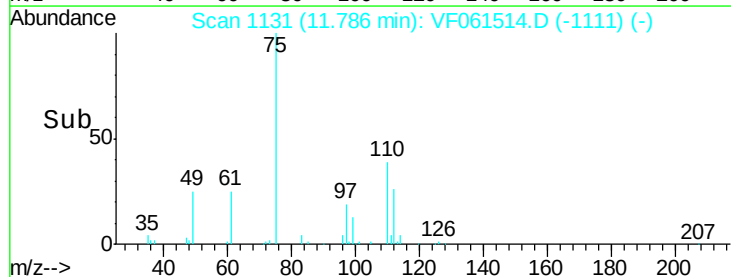
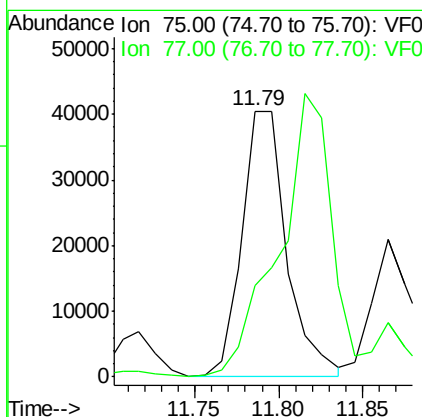
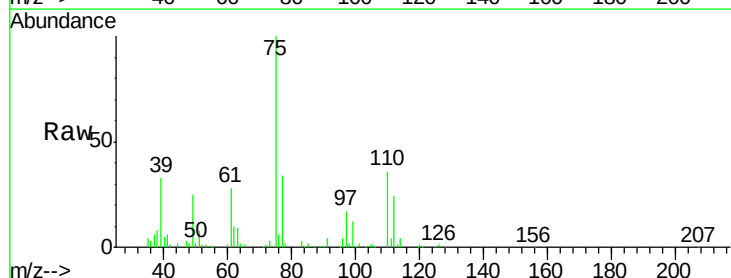
RT: 11.79 min Scan# 1131

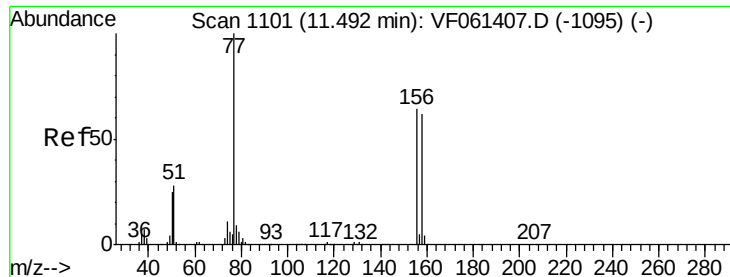
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion	75	Resp	74398
Ion	Ratio	Lower	Upper
75	100		
77	34.4	16.1	48.3





#77

Bromobenzene

Concen: 53.938 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

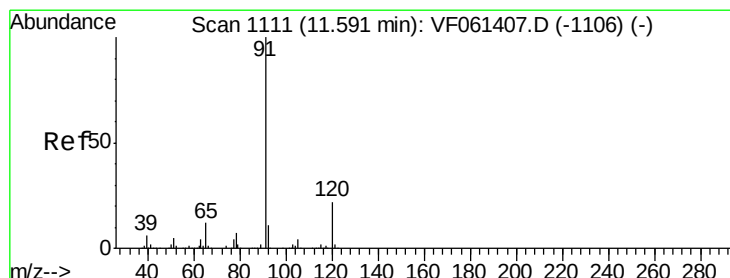
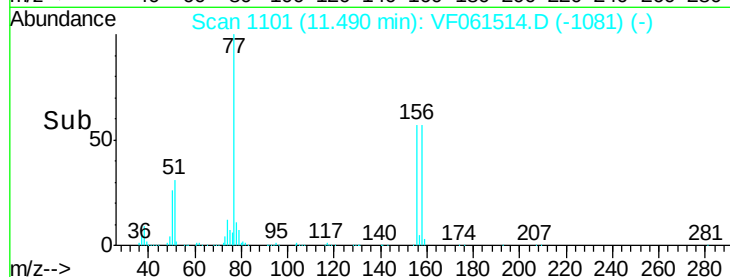
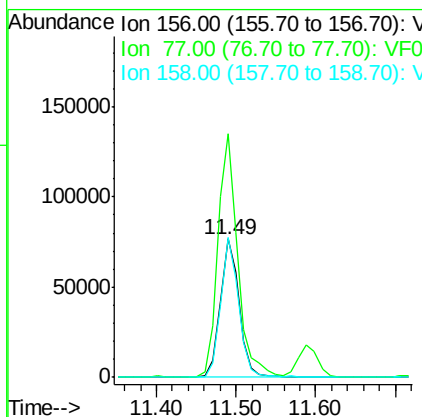
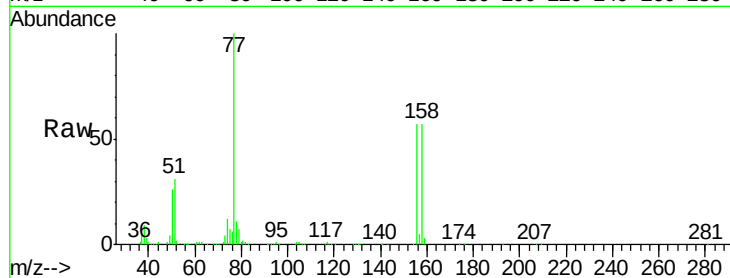
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	129010
Ion	Ratio	Lower	Upper
156	100		
77	175.6	78.3	234.9
158	100.5	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 52.653 ug/l

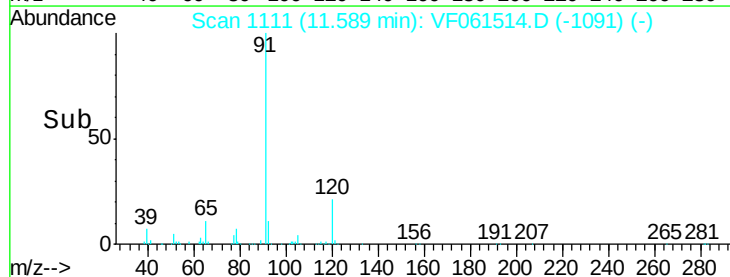
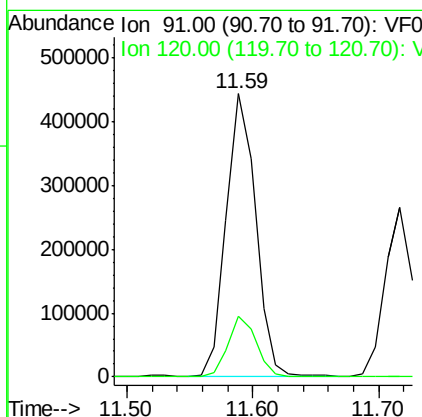
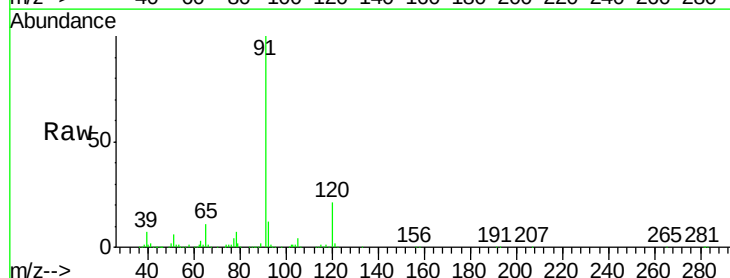
RT: 11.59 min Scan# 1111

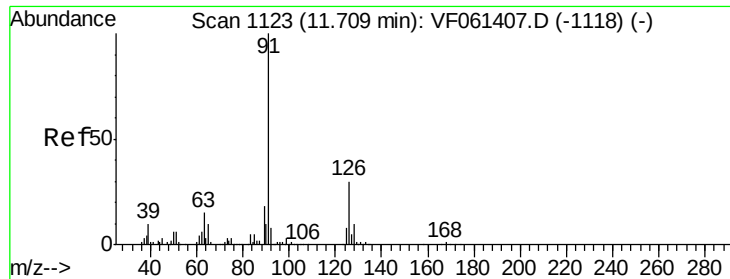
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	91	Resp:	721489
Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.9	32.6





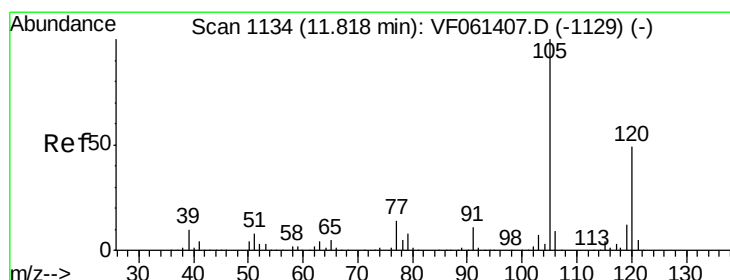
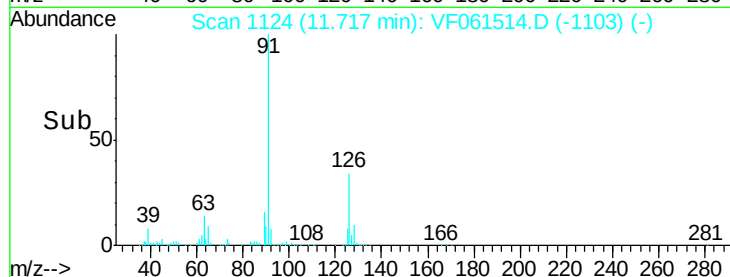
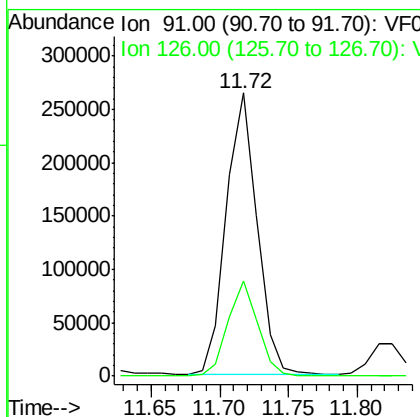
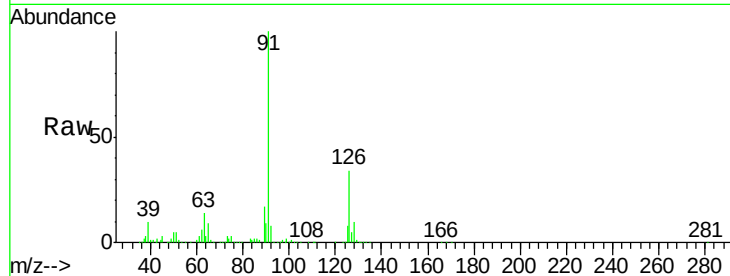
#79
 2-Chlorotoluene
 Concen: 52.544 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 412885
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.0 45.1

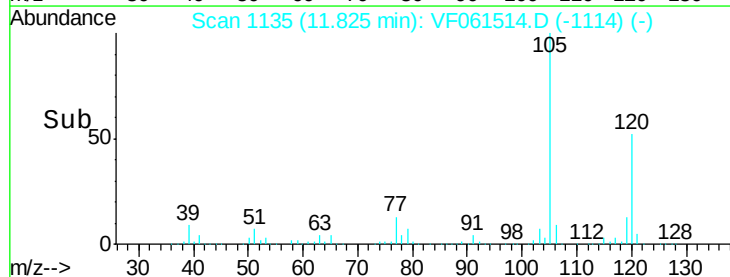
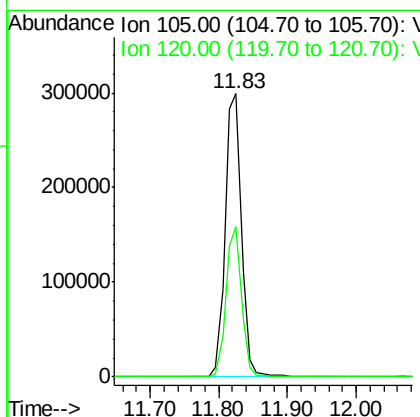
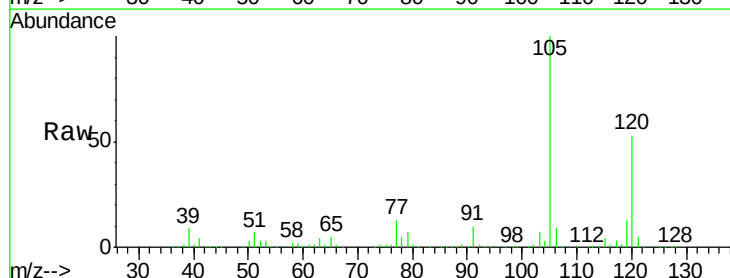
Manual Integrations
 APPROVED

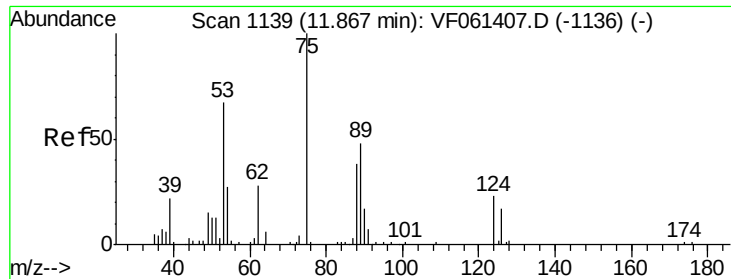
MMDadoda
 1/28/2019 12:48:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.768 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion: 105 Resp: 491429
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.7 74.1





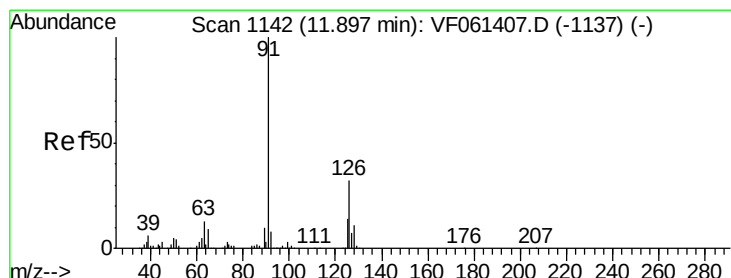
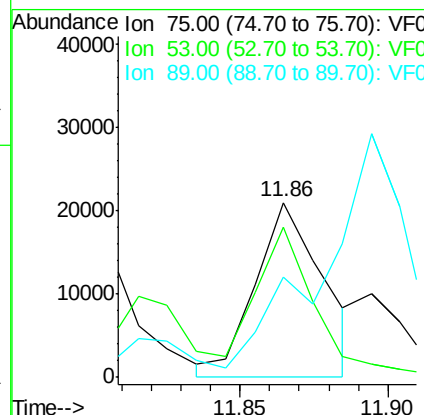
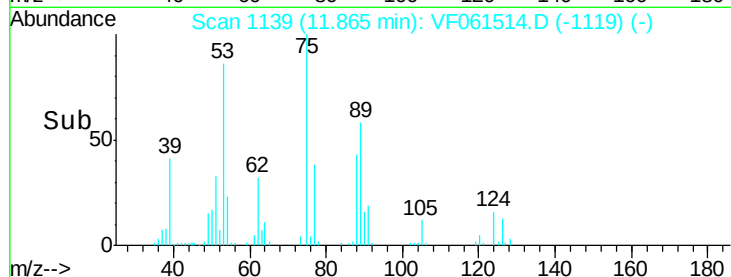
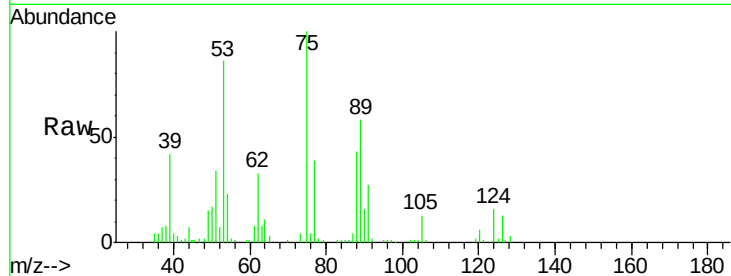
#81
trans-1,4-Dichloro-2-butene
Concen: 53.252 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	57.8	86.6
89	57.7	40.7	61.1

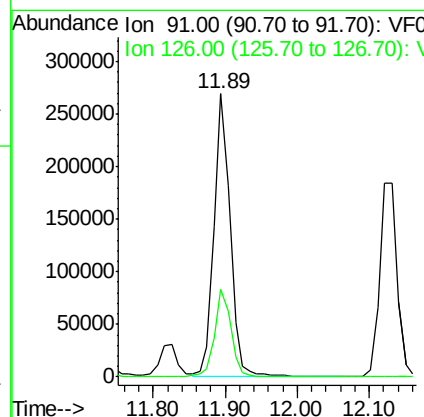
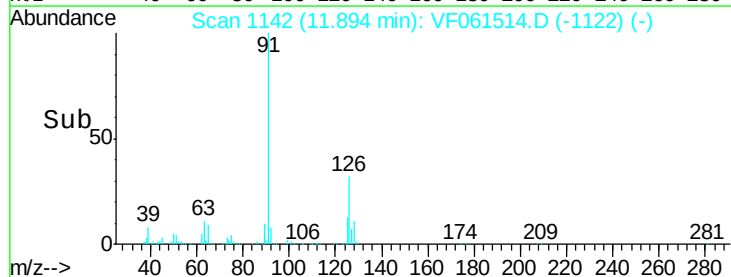
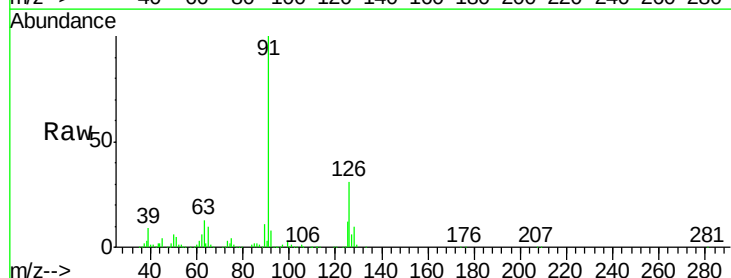
Manual Integrations
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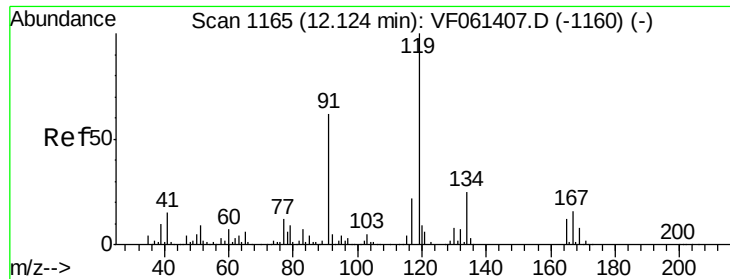
MMDadoda
1/28/2019 12:48:01 PM



#82
4-Chlorotoluene
Concen: 52.204 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	16.0	47.9





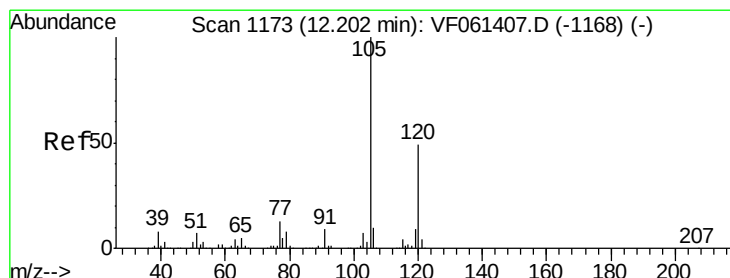
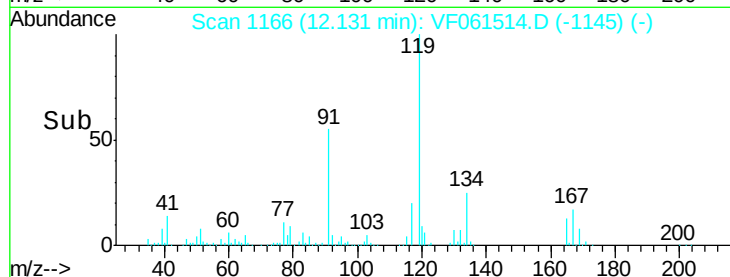
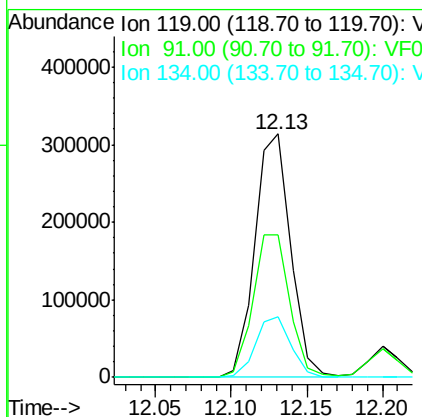
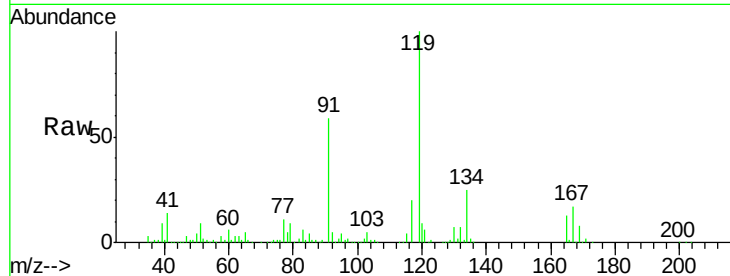
#83
 tert-Butylbenzene
 Concen: 55.135 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	521569		
91	58.5		31.3	93.8
134	25.0		12.4	37.0

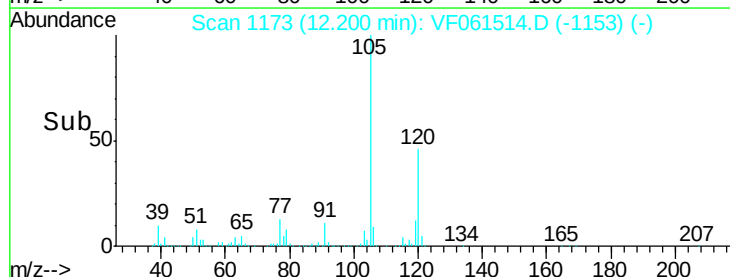
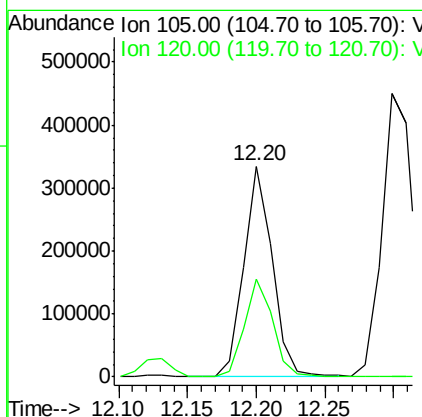
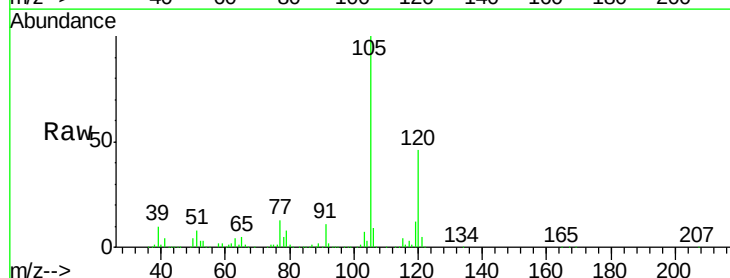
Manual Integrations
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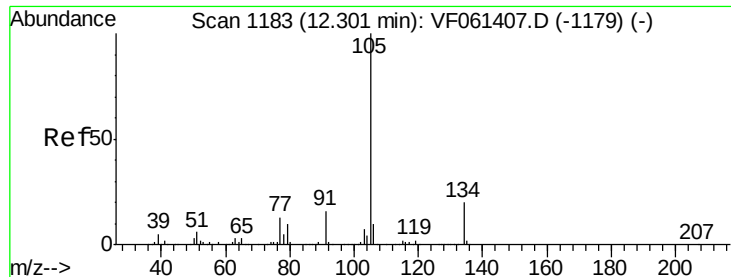
MMDadoda
 1/28/2019 12:48:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.476 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	484615		
120	46.3		24.9	74.6





#85

sec-Butylbenzene

Concen: 55.377 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 711413

Ion Ratio Lower Upper

105 100

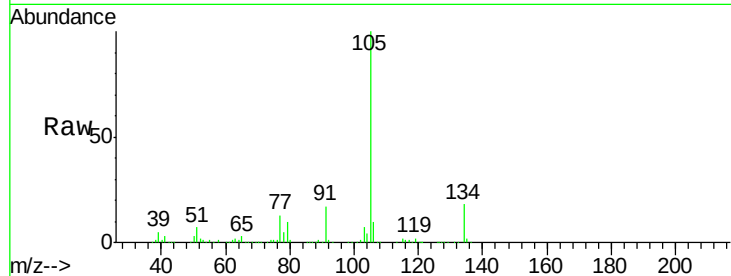
134 18.1 10.0 30.0

Manual Integrations

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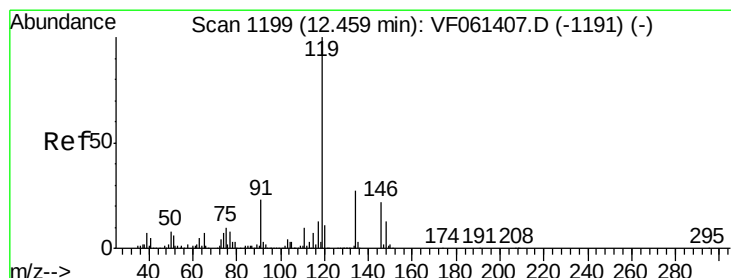
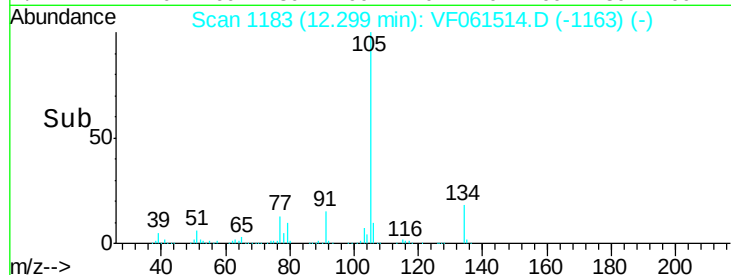
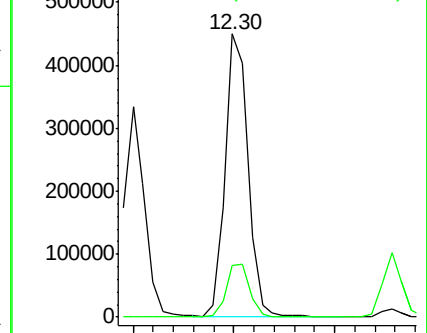
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.897 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

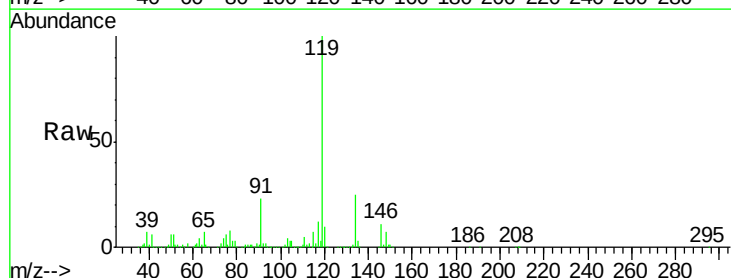
Tgt Ion:119 Resp: 557843

Ion Ratio Lower Upper

119 100

134 24.8 13.4 40.2

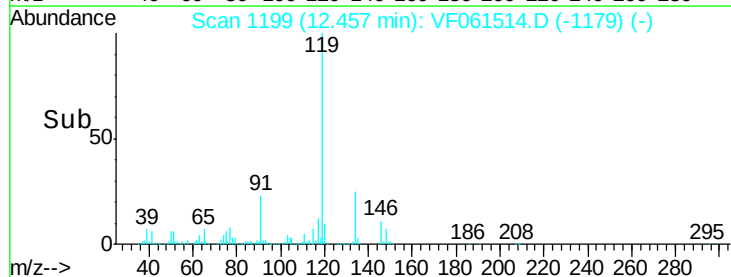
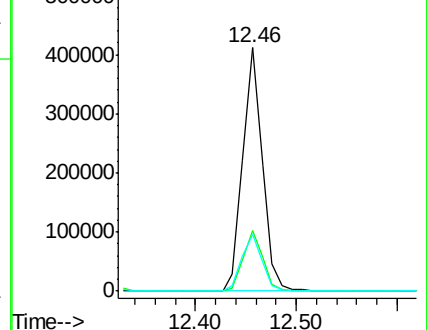
91 23.2 11.4 34.2

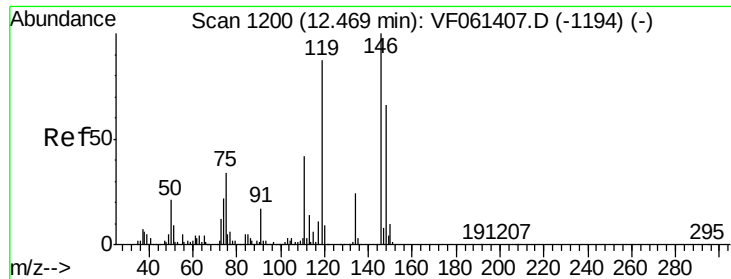


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





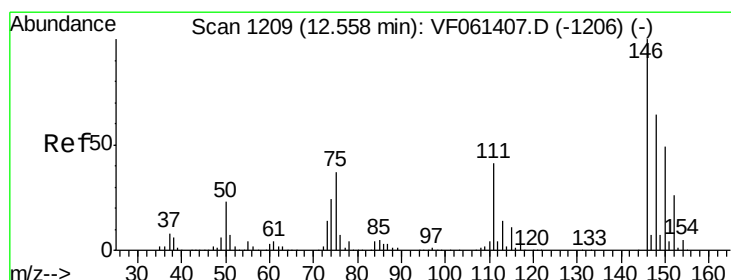
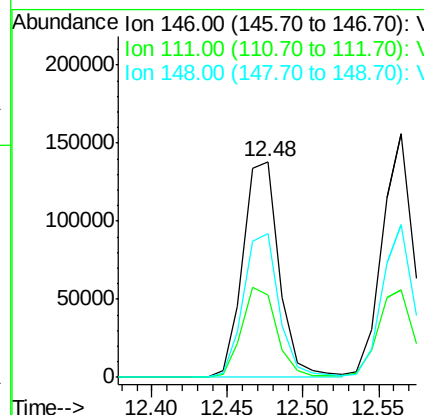
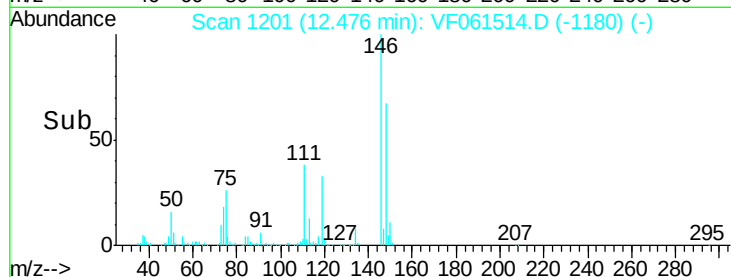
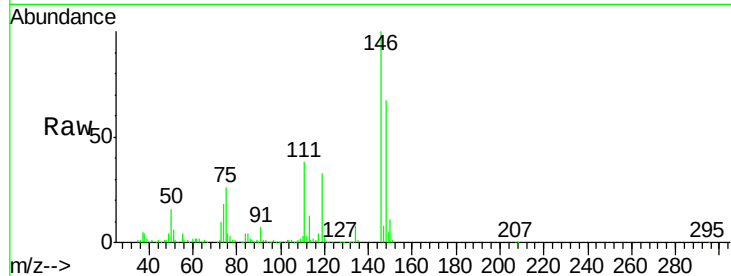
#87
 1,3-Dichlorobenzene
 Concen: 48.475 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	21.1	63.4
148	66.7	32.9	98.6

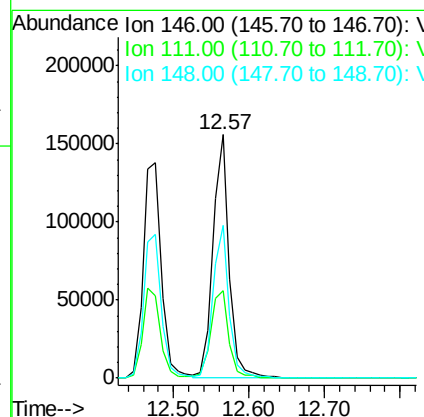
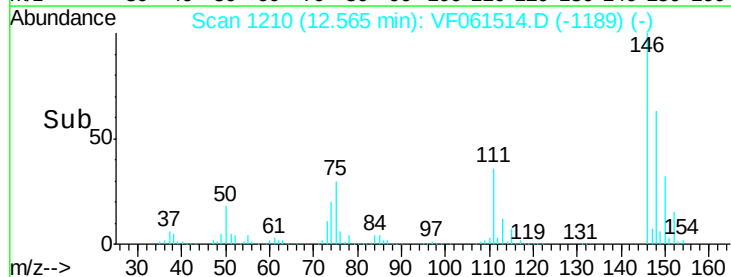
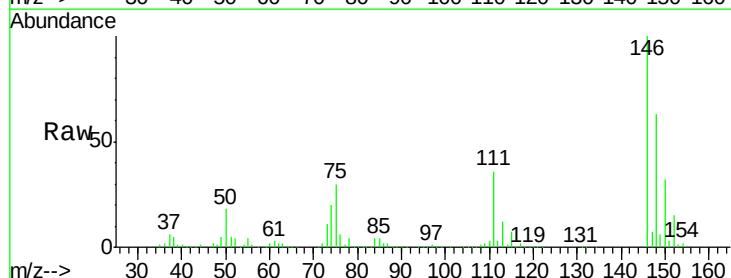
Manual Integrations
 APPROVED

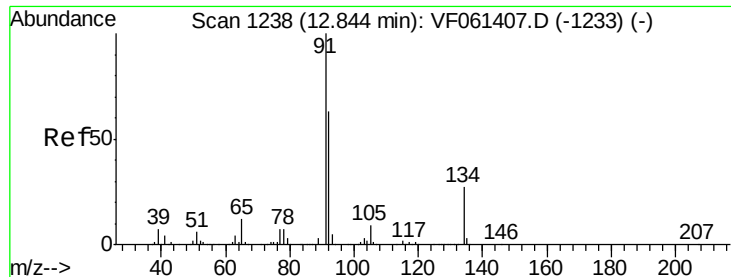
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#88
 1,4-Dichlorobenzene
 Concen: 51.500 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.8	62.2
148	62.6	32.1	96.5





#89

n-Butylbenzene

Concen: 53.403 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

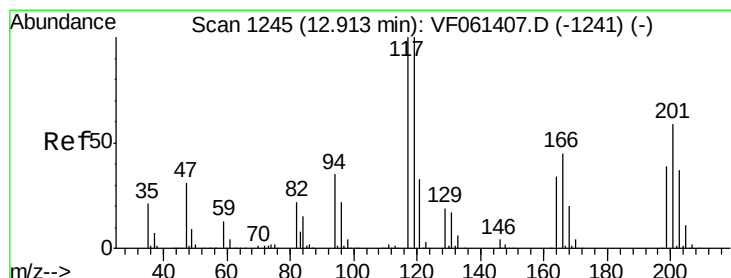
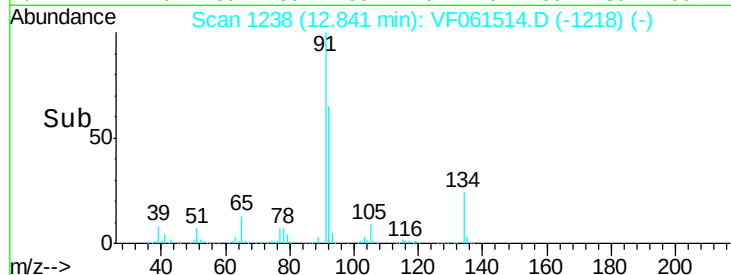
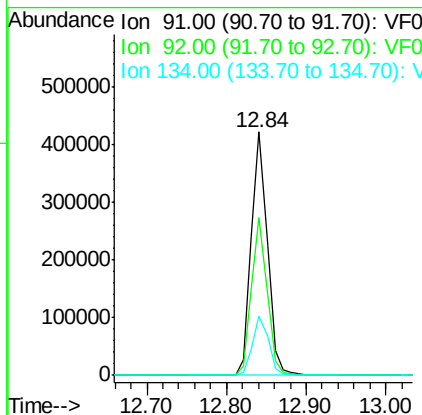
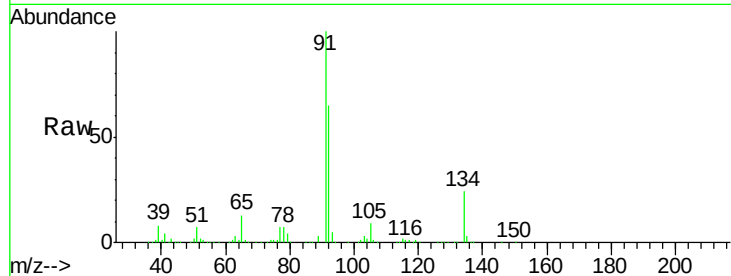
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	580810
Ion	Ratio	Lower	Upper
91	100		
92	64.8	31.6	94.7
134	24.5	13.6	40.8

Manual Integrations
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#90

Hexachloroethane

Concen: 57.116 ug/l

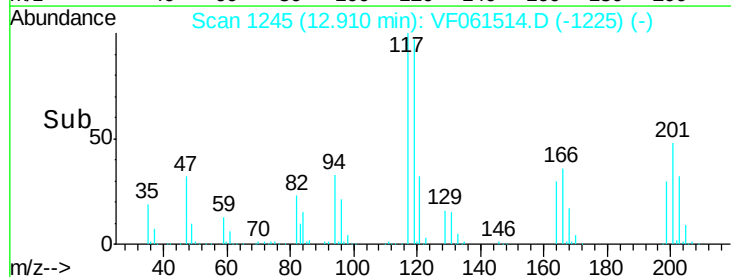
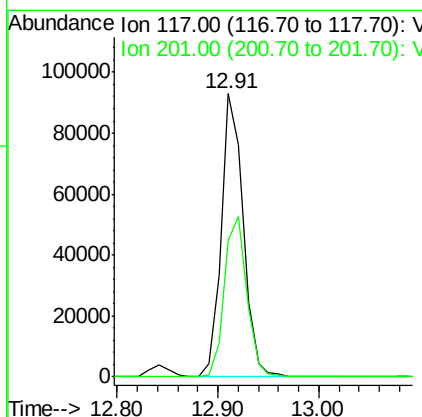
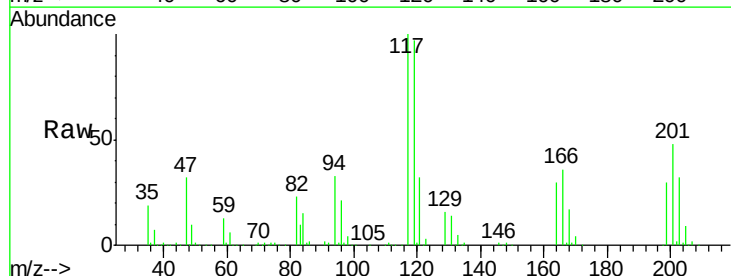
RT: 12.91 min Scan# 1245

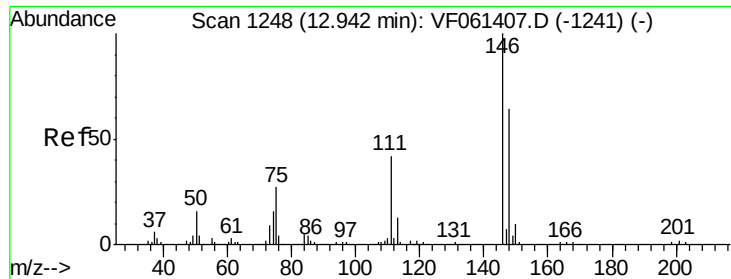
Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion:	117	Resp:	141986
Ion	Ratio	Lower	Upper
117	100		
201	48.3	29.3	87.8





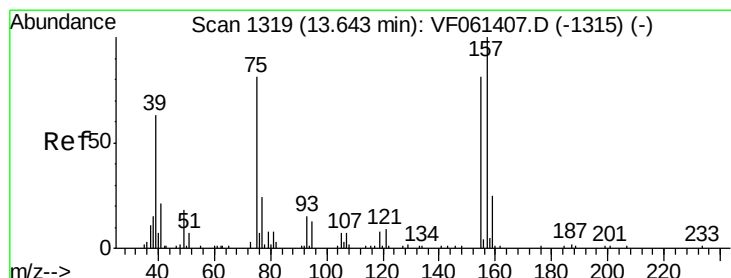
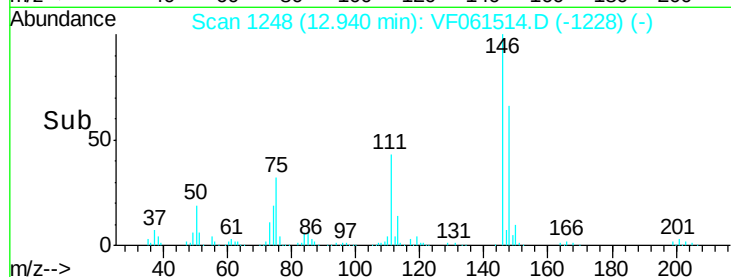
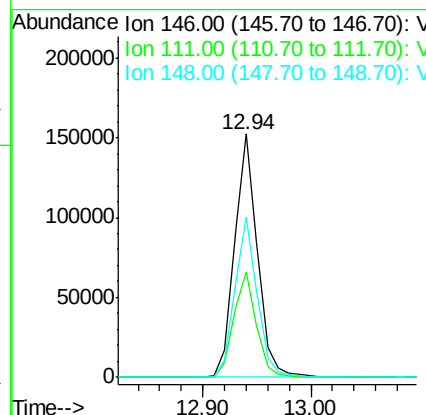
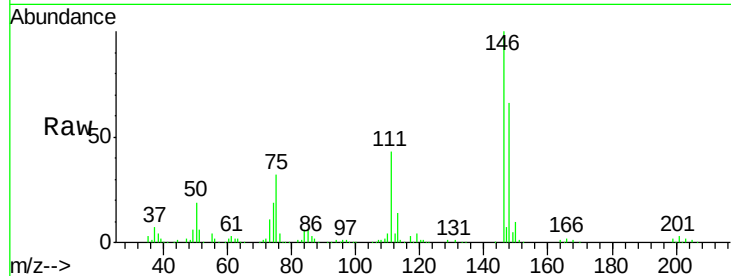
#91
 1,2-Dichlorobenzene
 Concen: 50.015 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	65.8	31.9	95.7

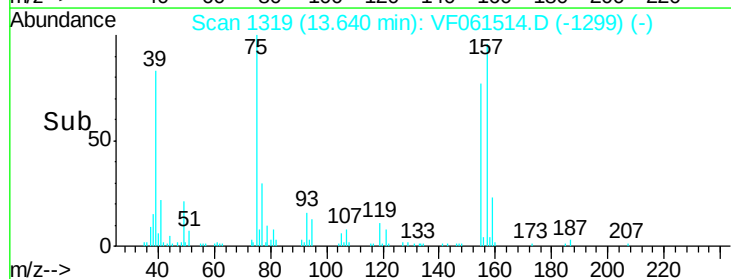
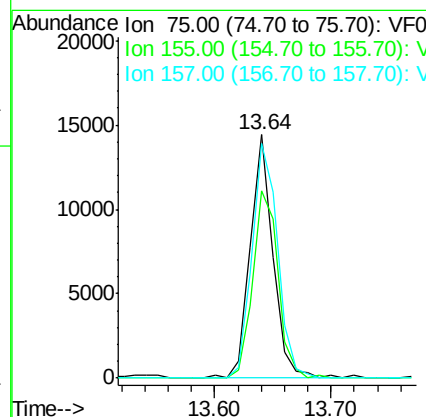
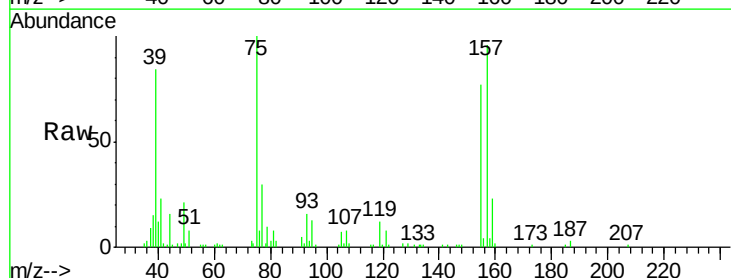
Manual Integrations
 APPROVED

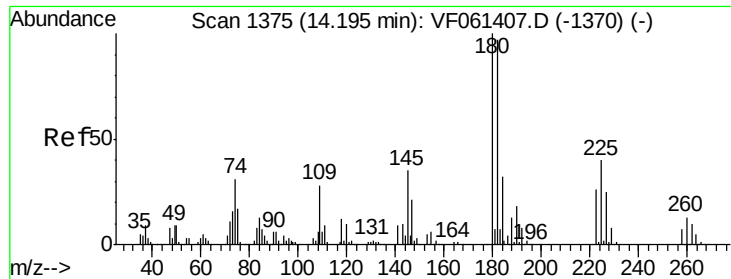
MMDadoda
 1/28/2019 12:48:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.564 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	49.7	149.1
157	96.5	61.4	184.1





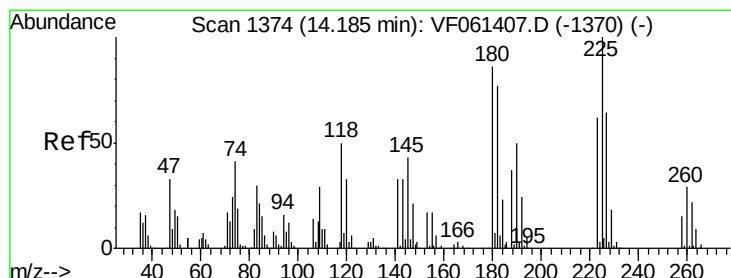
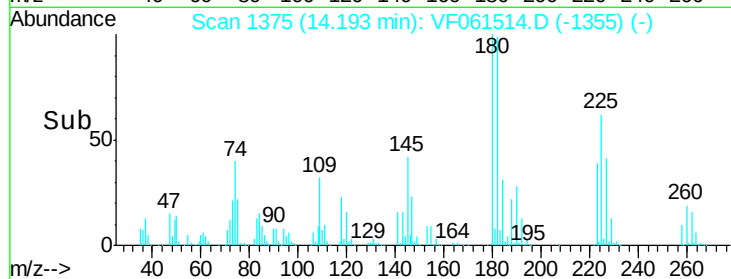
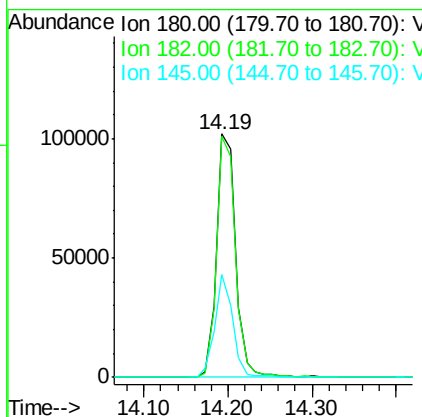
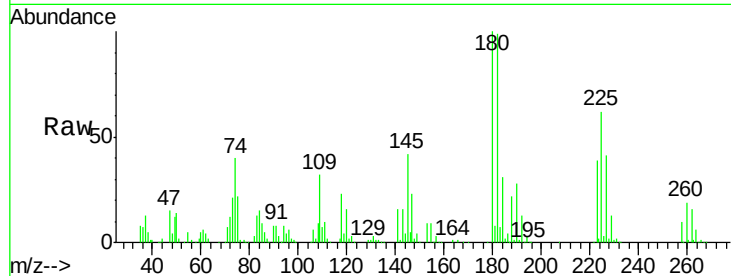
#93
 1,2,4-Trichlorobenzene
 Concen: 51.541 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161550		
182	98.8	48.5	145.6	
145	42.3	17.5	52.6	

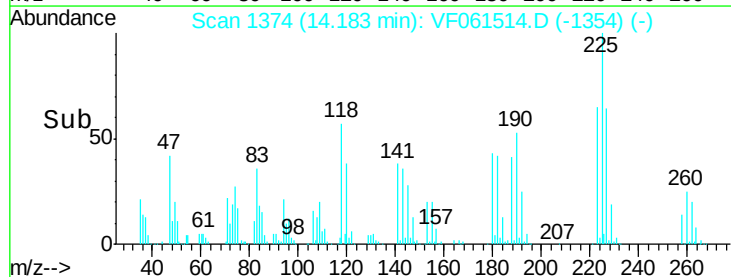
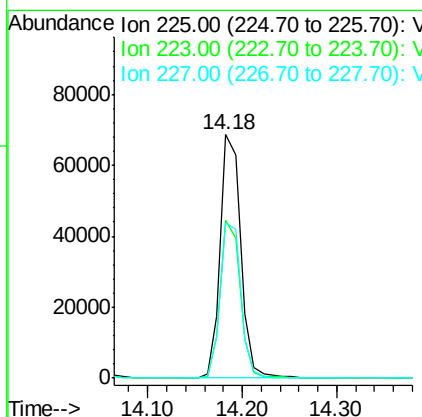
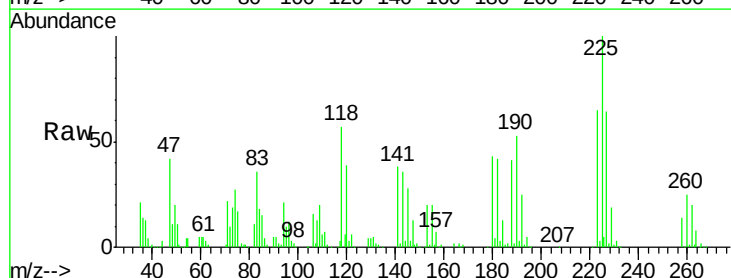
Manual Integrations
 APPROVED

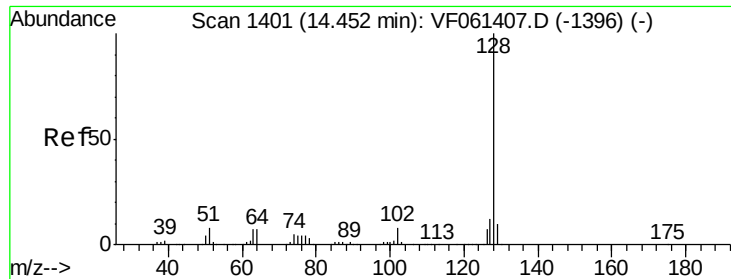
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 53.332 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103728		
223	65.1	31.1	93.2	
227	63.8	32.2	96.6	





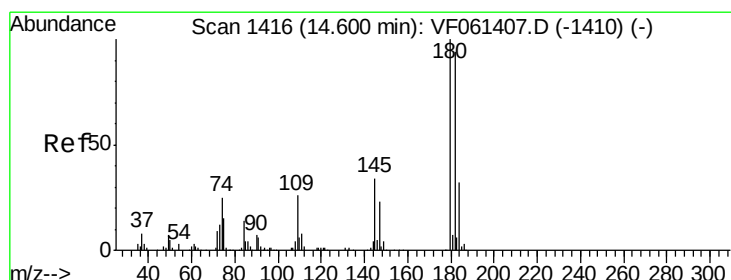
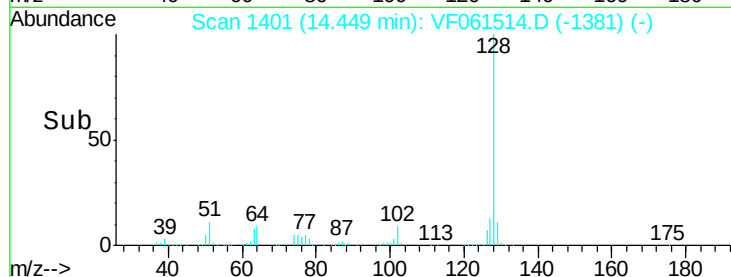
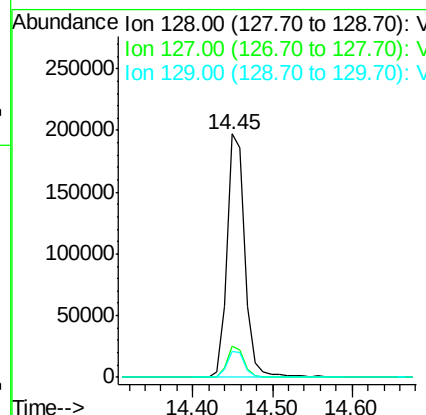
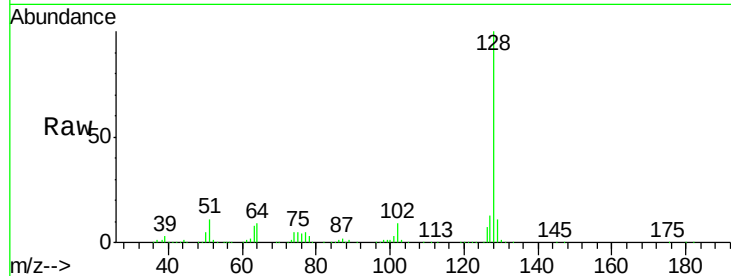
#95
Naphthalene
Concen: 52.763 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.5	14.3
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:48:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.482 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.0	141.2
145	36.5	17.1	51.2

