

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061274.D
 Acq On : 7 Jan 2019 12:47
 Operator : VA/AP
 Sample : VF0107SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:57:59 PM

Quant Time: Jan 08 00:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	188331	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	309206	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	290032	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	141446	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	99448	41.60	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	83.20%	
35) Dibromofluoromethane	4.08	113	122930	51.68	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	7.52	98	344743	48.84	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.39	95	155027	49.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.95	85	75276	20.817	ug/l 98
3) Chloromethane	1.08	50	63972	23.093	ug/l 97
4) Vinyl Chloride	1.13	62	59412	24.760	ug/l 98
5) Bromomethane	1.29	94	42410	25.852	ug/l 98
6) Chloroethane	1.37	64	27334	25.136	ug/l 89
7) Trichlorofluoromethane	1.46	101	105032	24.324	ug/l 99
8) Diethyl Ether	1.62	74	13169	21.378	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	1.80	101	53439	24.771	ug/l 94
10) Methyl Iodide	1.83	142	82900	23.784	ug/l 94
11) Tert butyl alcohol	2.55	59	6790	67.310	ug/l # 92
12) 1,1-Dichloroethene	1.74	96	41544	22.909	ug/l 97
13) Acrolein	1.99	56	10158	120.714	ug/l 95
14) Allyl chloride	2.08	41	79094	31.549	ug/l 96
15) Acrylonitrile	2.92	53	26820	99.449	ug/l 98
16) Acetone	2.22	43	53124	117.982	ug/l 96
17) Carbon Disulfide	1.75	76	144886	26.238	ug/l # 92
18) Methyl Acetate	2.32	43	19748	20.122	ug/l # 91
19) Methyl tert-butyl Ether	2.41	73	71534	18.924	ug/l 95
20) Methylene Chloride	2.17	84	42605	20.374	ug/l 94
21) trans-1,2-Dichloroethene	2.29	96	45490	23.851	ug/l 92
22) Diisopropyl ether	2.78	45	134050	21.265	ug/l 98
23) Vinyl Acetate	3.16	43	190219	65.889	ug/l 99
24) 1,1-Dichloroethane	2.86	63	82355	22.282	ug/l 95
25) 2-Butanone	4.31	43	75492	85.525	ug/l 98
26) 2,2-Dichloropropane	3.58	77	64466	30.289	ug/l 96
27) cis-1,2-Dichloroethene	3.45	96	60904	21.731	ug/l 98
28) Bromochloromethane	3.69	49	36073	20.617	ug/l 87
29) Tetrahydrofuran	4.04	42	29639	90.565	ug/l 99
30) Chloroform	3.83	83	104606	20.234	ug/l 100
31) Cyclohexane	3.67	56	93022	23.746	ug/l 92
32) 1,1,1-Trichloroethane	4.07	97	91039	27.111	ug/l 97
36) 1,1-Dichloropropene	4.25	75	80112	21.999	ug/l 96
37) Ethyl Acetate	4.08	43	25915	17.823	ug/l # 71
38) Carbon Tetrachloride	3.96	117	91907m	31.524	ug/l

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	96062	24.677	ug/l	95
40) Benzene	4.60	78	177861	21.520	ug/l	99
41) Methacrylonitrile	4.72	41	15756	20.033	ug/l #	93
42) 1,2-Dichloroethane	4.92	62	55243	19.978	ug/l	97
43) Isopropyl Acetate	6.93	43	33018	17.019	ug/l #	99
44) Trichloroethene	5.48	130	53973	20.980	ug/l	96
45) 1,2-Dichloropropane	6.21	63	46312	21.948	ug/l	95
46) Dibromomethane	6.06	93	26838	19.330	ug/l	97
47) Bromodichloromethane	6.36	83	69553	19.680	ug/l	96
48) Methyl methacrylate	6.68	41	21780	17.337	ug/l	89
49) 1,4-Dioxane	6.67	88	2707	310.983	ug/l	93
51) 4-Methyl-2-Pentanone	8.23	43	134382	104.582	ug/l	94
52) Toluene	7.60	92	112839	20.910	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	56106	19.474	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	72638	19.836	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	31303	20.170	ug/l #	87
56) Ethyl methacrylate	8.59	69	33419	19.485	ug/l	95
57) 1,3-Dichloropropane	8.82	76	55460	19.011	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	8511	40.863	ug/l	98
59) 2-Hexanone	9.47	43	98512	100.985	ug/l	94
60) Dibromochloromethane	8.69	129	43900	19.915	ug/l	92
61) 1,2-Dibromoethane	8.96	107	31606	18.870	ug/l	97
64) Tetrachloroethene	8.12	164	45699	20.560	ug/l	97
65) Chlorobenzene	9.77	112	123068	20.868	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.90	131	52665	21.745	ug/l	96
67) Ethyl Benzene	9.87	91	242062	22.328	ug/l	99
68) m/p-Xylenes	10.11	106	178541	45.126	ug/l	99
69) o-Xylene	10.69	106	94387	22.053	ug/l	91
70) Styrene	10.77	104	124777	21.178	ug/l	96
71) Bromoform	10.75	173	21354	18.938	ug/l	99
73) Isopropylbenzene	11.10	105	295259	24.574	ug/l	97
74) N-amyl acetate	11.35	43	63104	20.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.67	83	44693	21.296	ug/l	92
76) 1,2,3-Trichloropropane	11.77	75	33046	21.211	ug/l	96
77) Bromobenzene	11.48	156	52811	20.938	ug/l	97
78) n-propylbenzene	11.58	91	341466	23.843	ug/l	99
79) 2-Chlorotoluene	11.69	91	197720	23.905	ug/l	97
80) 1,3,5-Trimethylbenzene	11.80	105	238653	24.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	12517m	17.530	ug/l	
82) 4-Chlorotoluene	11.88	91	198319	23.653	ug/l	99
83) tert-Butylbenzene	12.11	119	229270	22.925	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	229530	23.770	ug/l	98
85) sec-Butylbenzene	12.29	105	332943	24.543	ug/l	98
86) p-Isopropyltoluene	12.44	119	272537	24.382	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	113061	23.230	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	104868	22.083	ug/l	94
89) n-Butylbenzene	12.83	91	287204	25.137	ug/l	98
90) Hexachloroethane	12.90	117	62031	22.494	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	105998	22.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7690	20.390	ug/l	81

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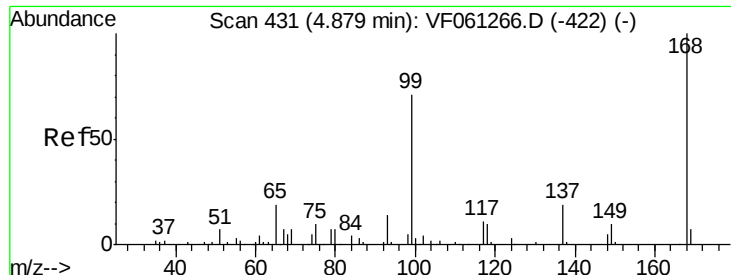
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	76682	23.291	ug/l	93
94) Hexachlorobutadiene	14.17	225	46099	21.977	ug/l	97
95) Naphthalene	14.44	128	127776	20.763	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	65030	21.303	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion:168 Resp: 188331

Ion Ratio Lower Upper

168 100

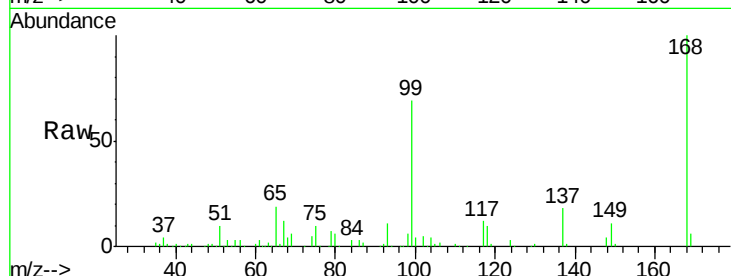
99 68.6 57.0 85.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

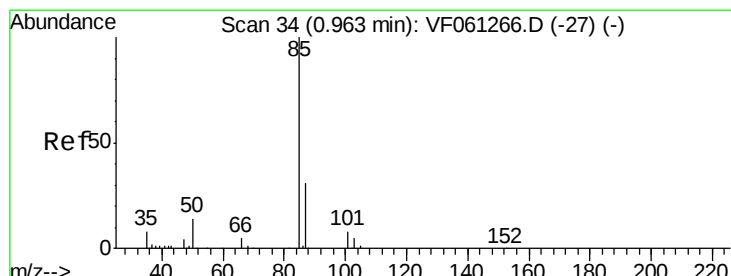
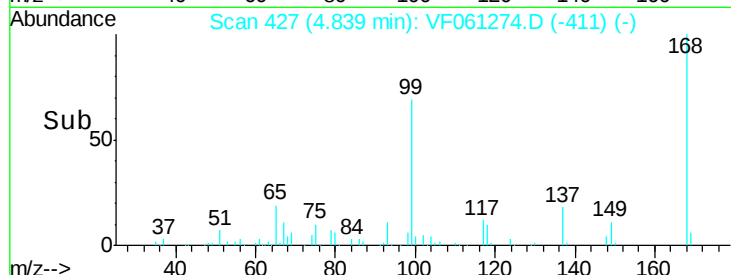
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.817 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061274.D

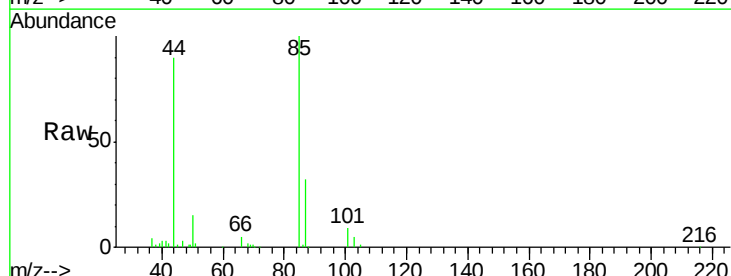
Acq: 7 Jan 2019 12:47

Tgt Ion: 85 Resp: 75276

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

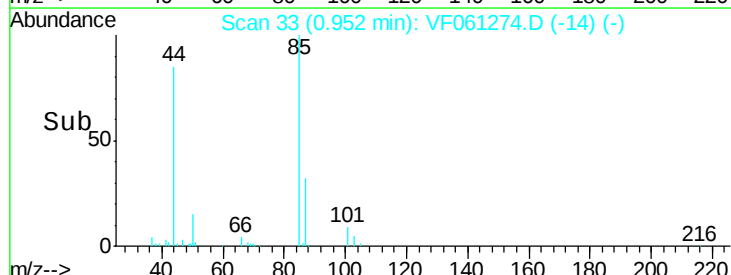
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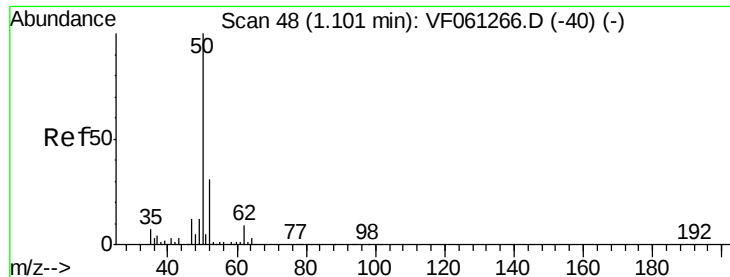
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5000

0

Time-->





#3

Chloromethane

Concen: 23.093 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 50 Resp: 63972

Ion Ratio Lower Upper

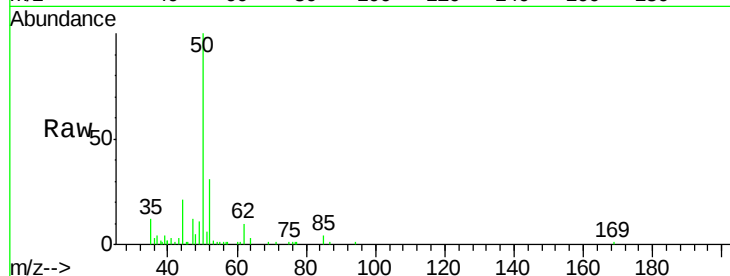
50 100

52 31.1 23.4 35.2

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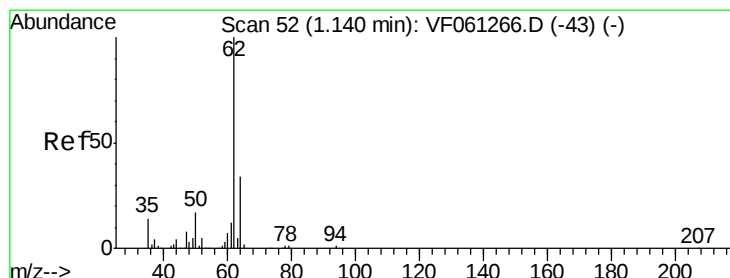
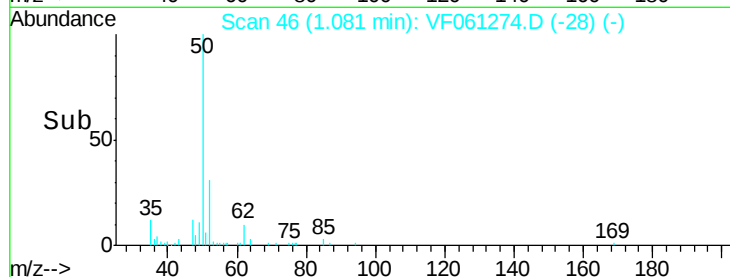
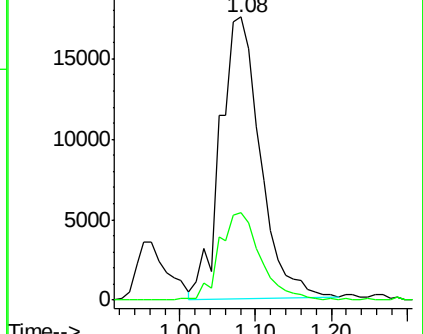
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.760 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061274.D

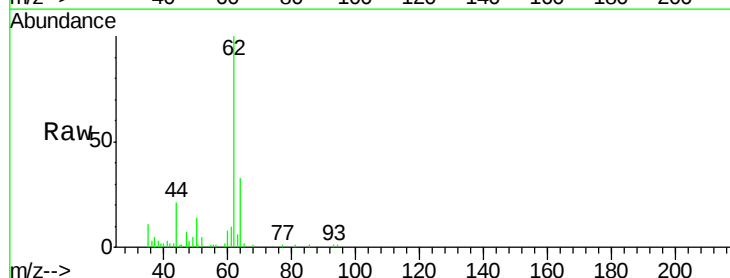
Acq: 7 Jan 2019 12:47

Tgt Ion: 62 Resp: 59412

Ion Ratio Lower Upper

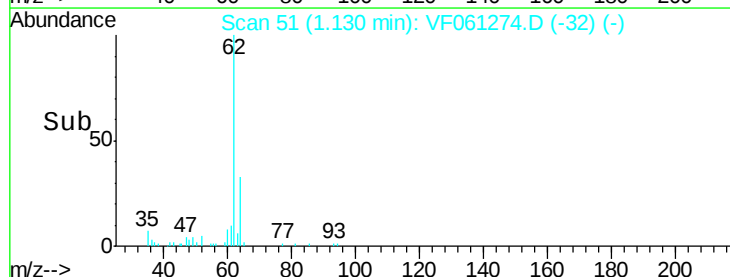
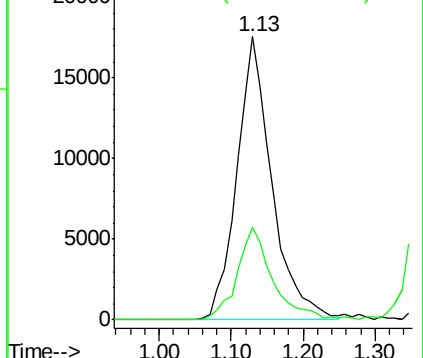
62 100

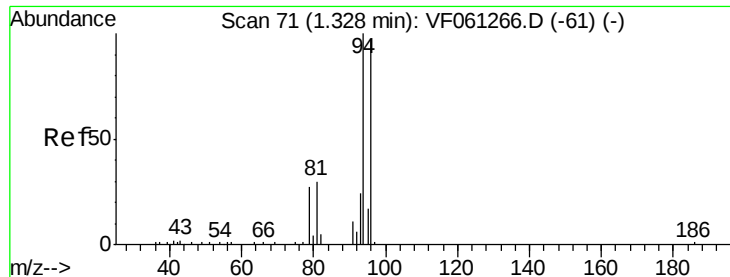
64 32.7 26.9 40.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 25.852 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 94 Resp: 42410

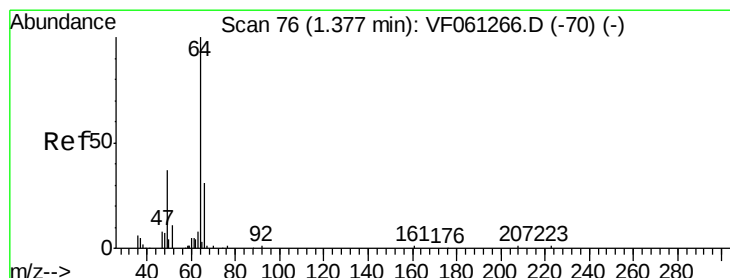
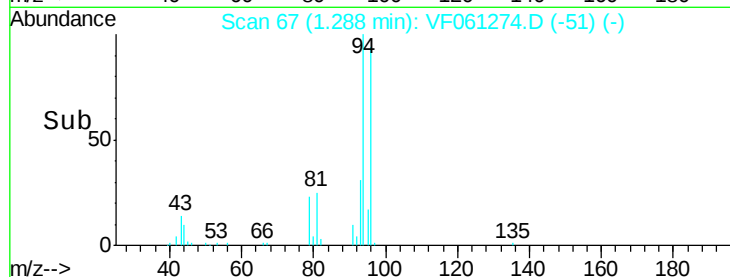
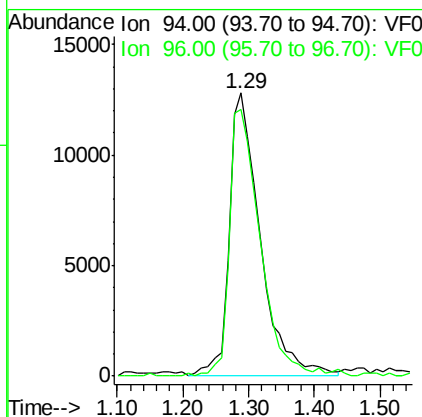
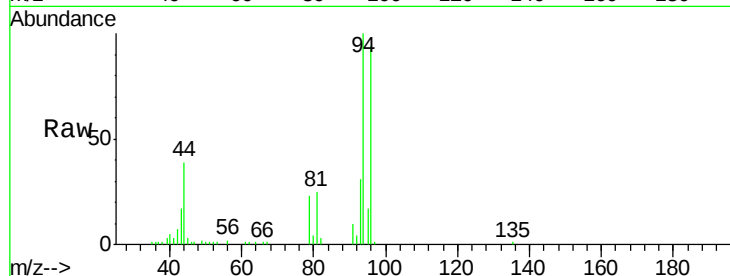
Ion Ratio Lower Upper

94 100

96 94.1 77.2 115.8

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#6

Chloroethane

Concen: 25.136 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF061274.D

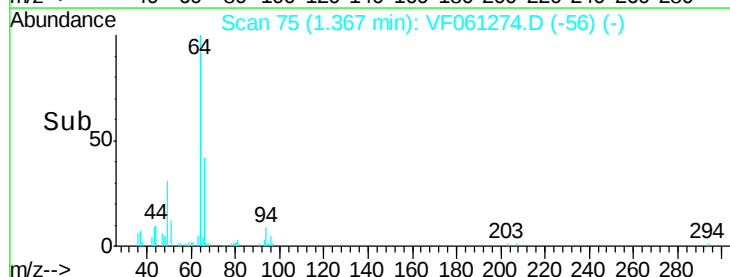
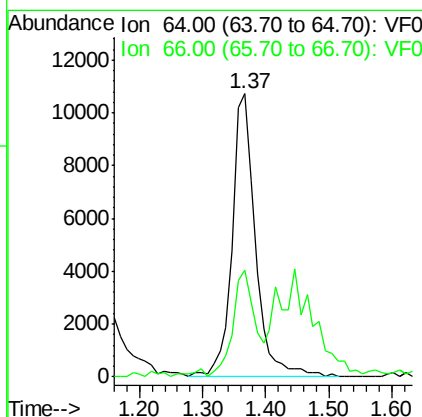
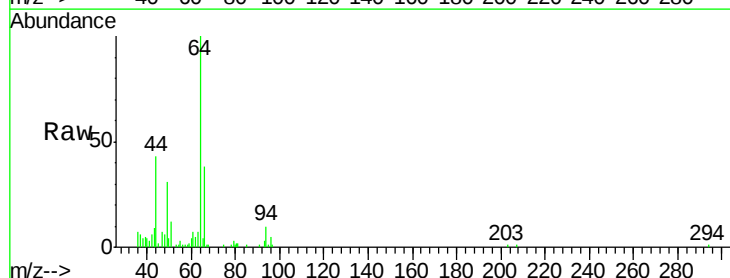
Acq: 7 Jan 2019 12:47

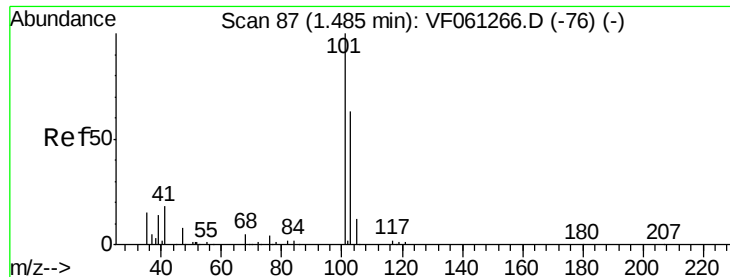
Tgt Ion: 64 Resp: 27334

Ion Ratio Lower Upper

64 100

66 37.6 25.2 37.8





#7

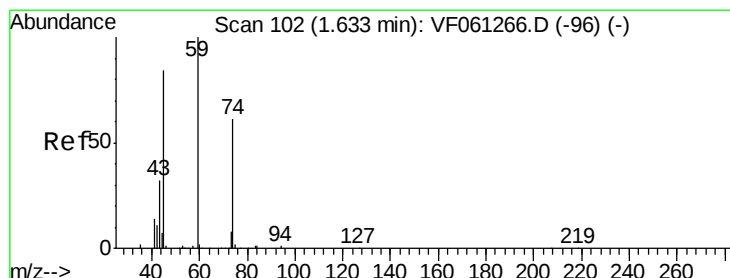
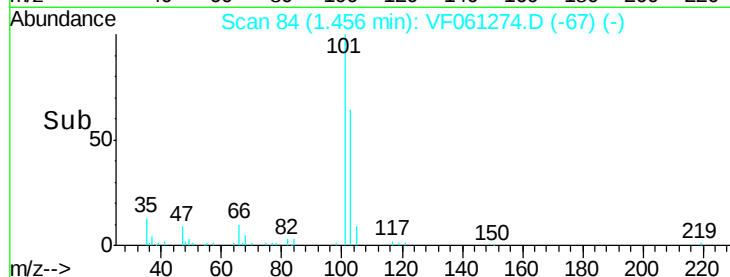
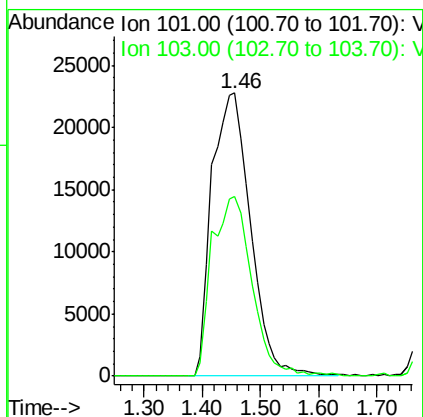
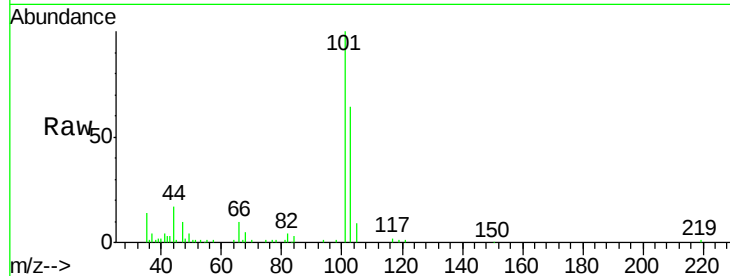
Trichlorofluoromethane
 Concen: 24.324 ug/l
 RT: 1.46 min Scan# 84
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

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 VF0107SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.3	75.5

Manual Integrations
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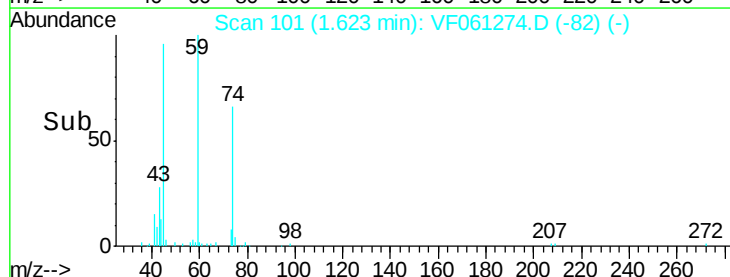
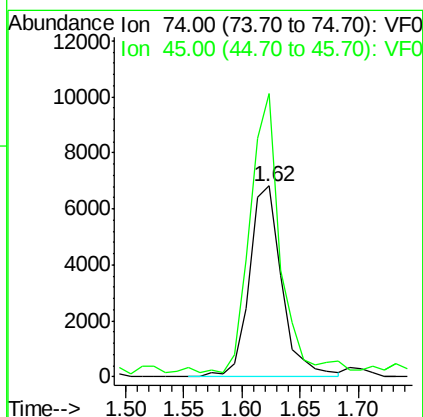
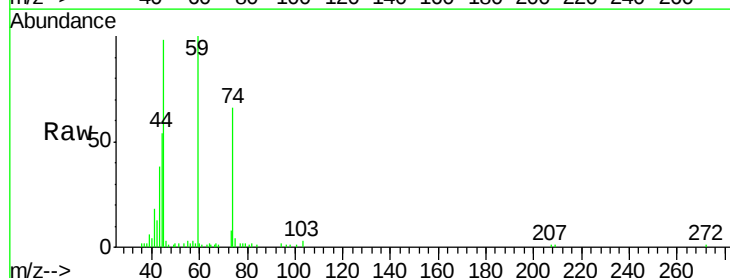
MMDadoda
 1/8/2019 12:57:59 PM

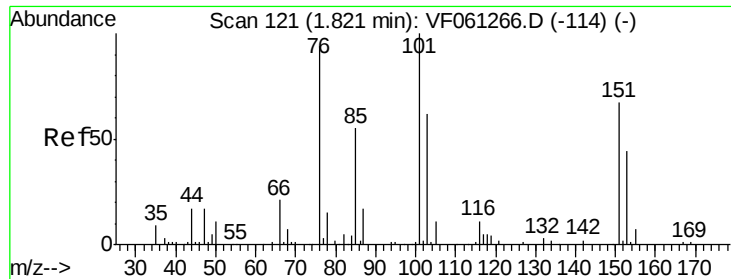


#8

Diethyl Ether
 Concen: 21.378 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	148.5	69.0	207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.771 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

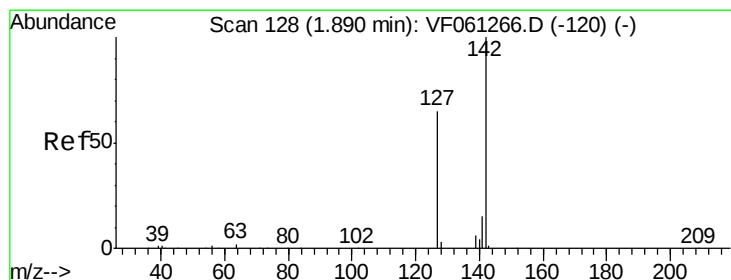
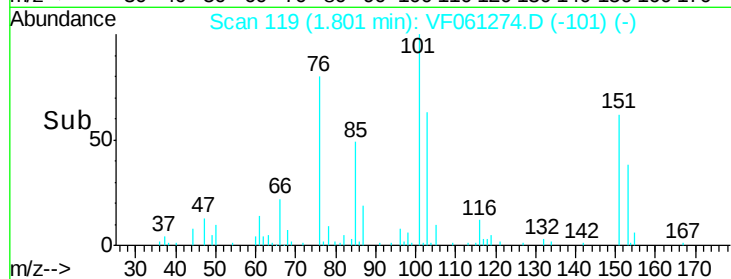
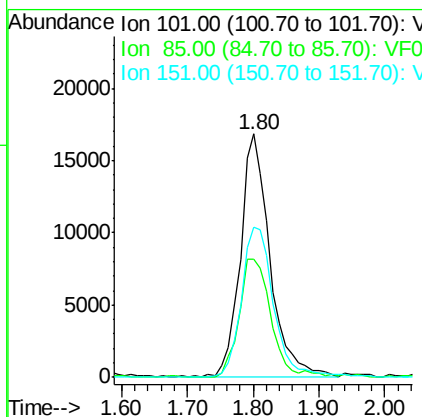
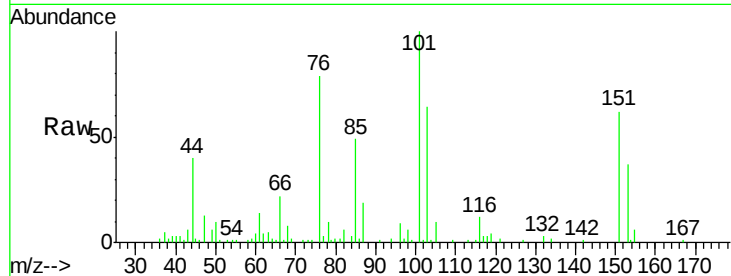
ClientSampleId :

VF0107SBS01

Tot Ion:	101	Resp:	53439
Ion Ratio	Lower	Upper	
101	100		
85	48.6	42.9	64.3
151	61.9	52.4	78.6

Manual Integrations
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#10

Methyl Iodide

Concen: 23.784 ug/l

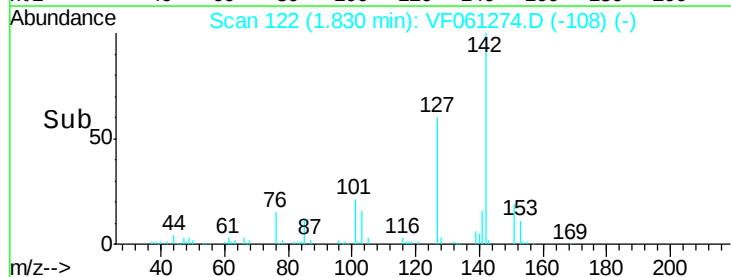
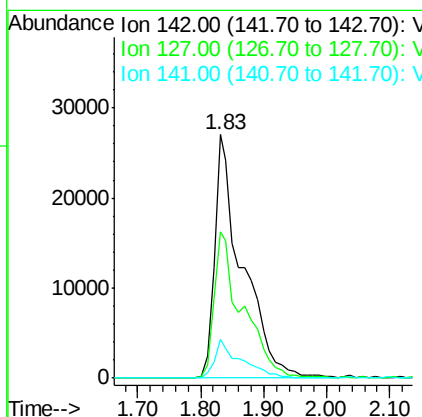
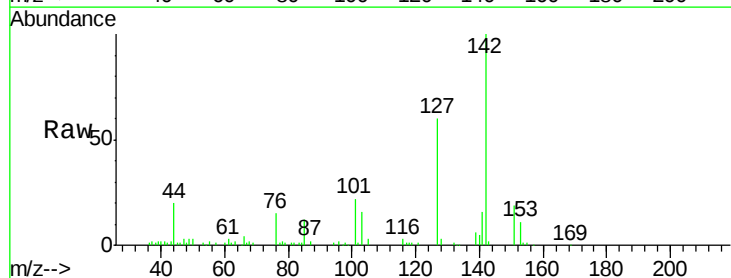
RT: 1.83 min Scan# 122

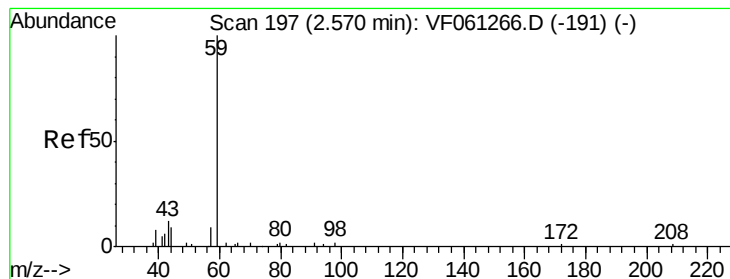
Delta R.T. -0.06 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	142	Resp:	82900
Ion Ratio	Lower	Upper	
142	100		
127	60.3	52.3	78.5
141	16.0	12.2	18.4





#11

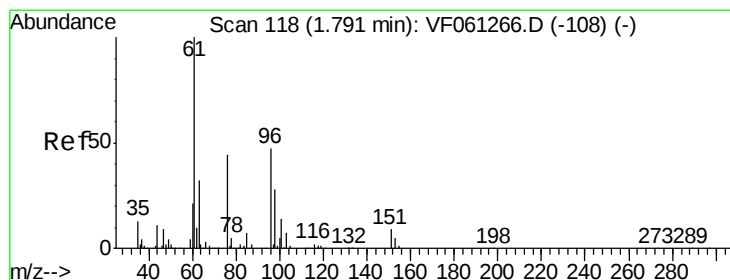
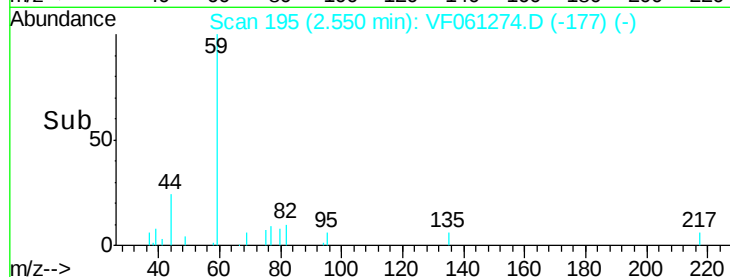
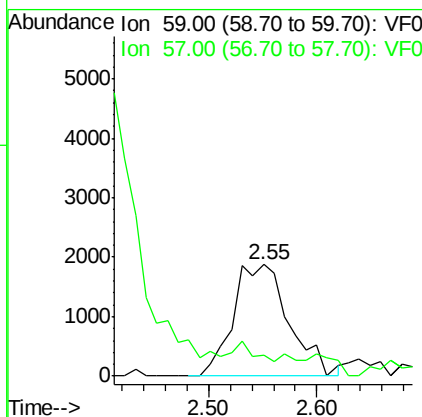
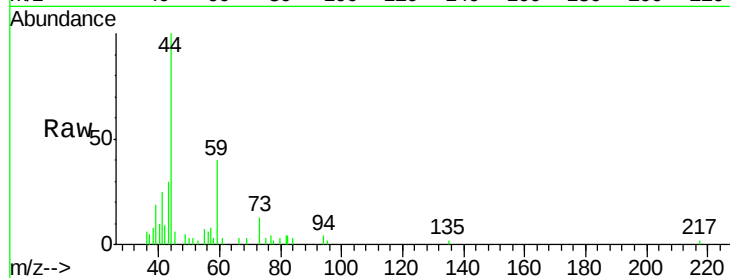
Tert butyl alcohol
Concen: 67.310 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampled :
VF0107SBS01

Tot Ion	59	Resp	6790
Ion Ratio	100	Lower	Upper
57	18.9	12.6	18.8#

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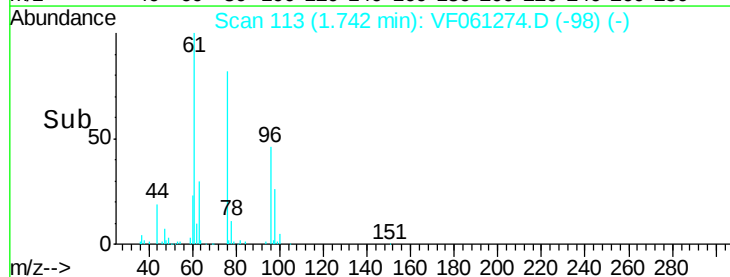
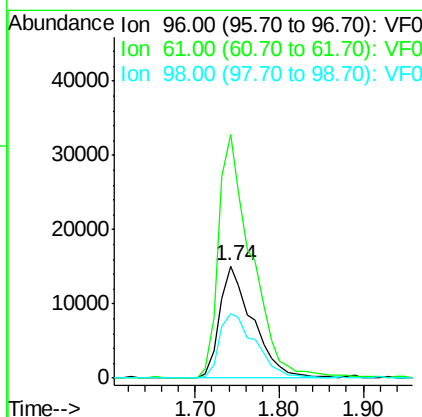
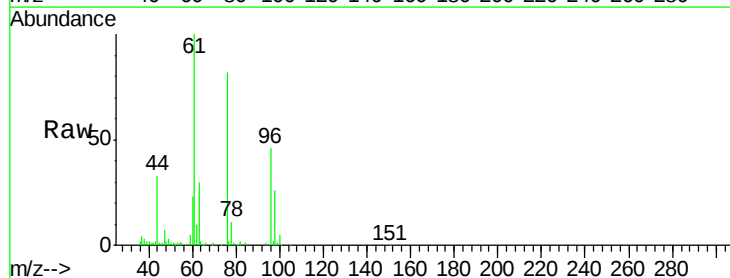
MMDadoda
1/8/2019 12:57:59 PM

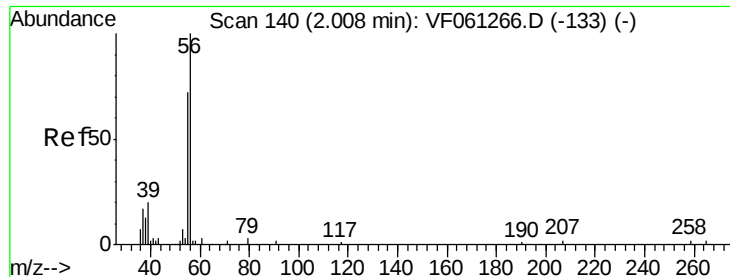


#12

1,1-Dichloroethene
Concen: 22.909 ug/l
RT: 1.74 min Scan# 113
Delta R.T. -0.05 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	96	Resp	41544
Ion Ratio	100	Lower	Upper
61	217.6	171.6	257.4
98	57.1	48.6	72.8





#13

Acrolein

Concen: 120.714 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 56 Resp: 10158

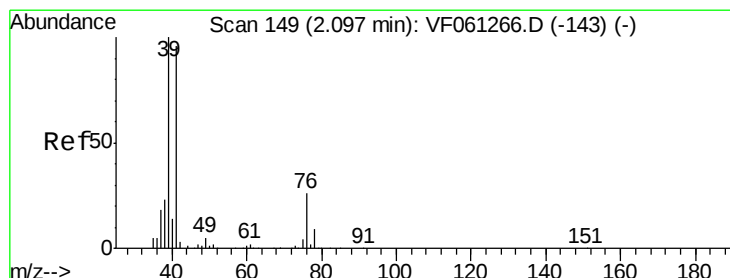
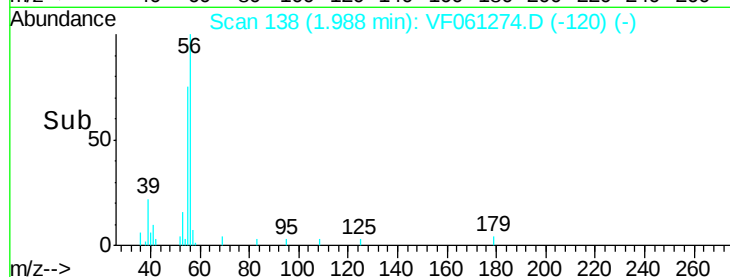
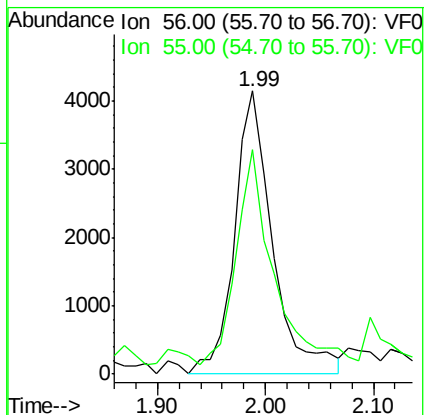
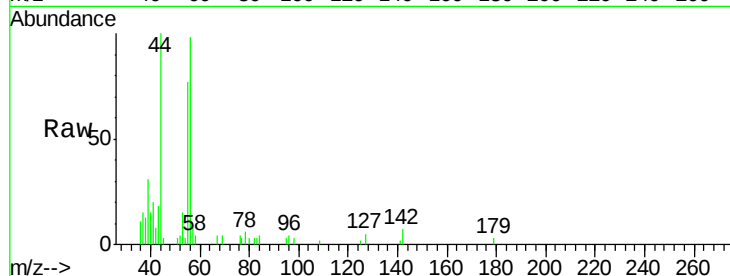
Ion Ratio Lower Upper

56 100

55 79.2 59.7 89.5

Manual Integrations
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#14

Allyl chloride

Concen: 31.549 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

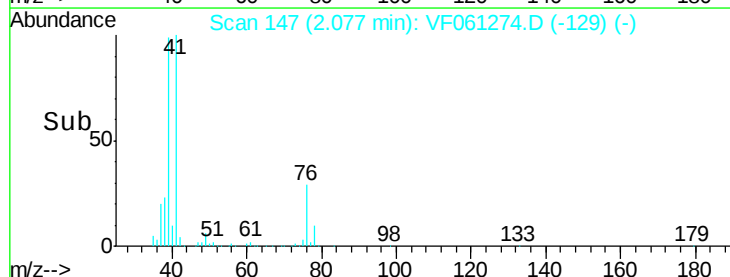
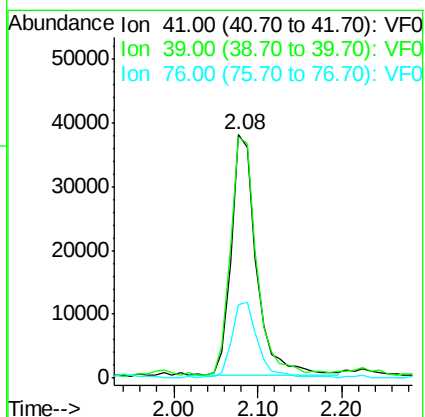
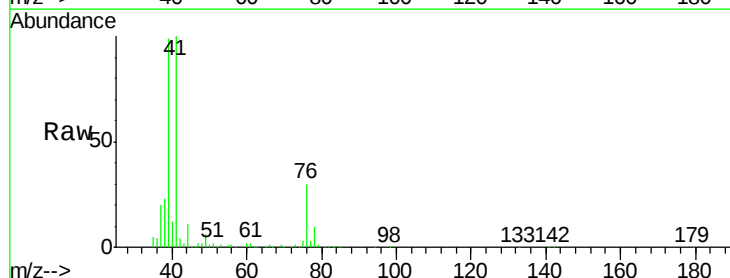
Tgt Ion: 41 Resp: 79094

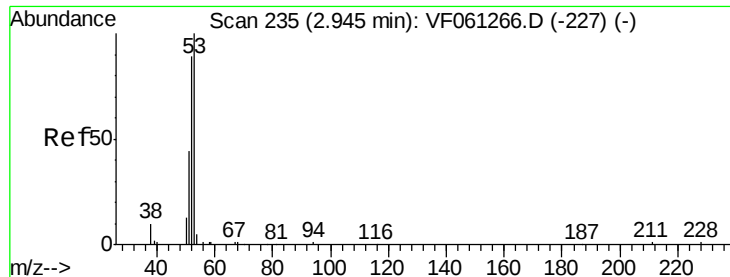
Ion Ratio Lower Upper

41 100

39 99.0 83.4 125.2

76 30.2 23.9 35.9





#15

Acrylonitrile

Concen: 99.449 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

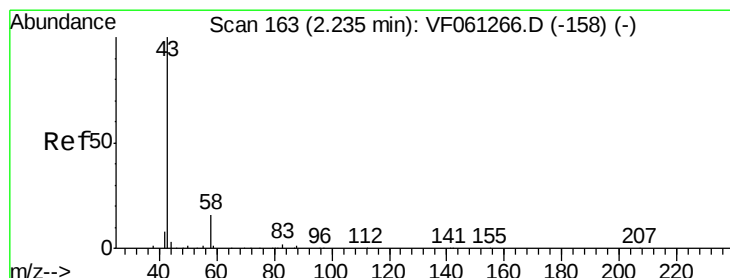
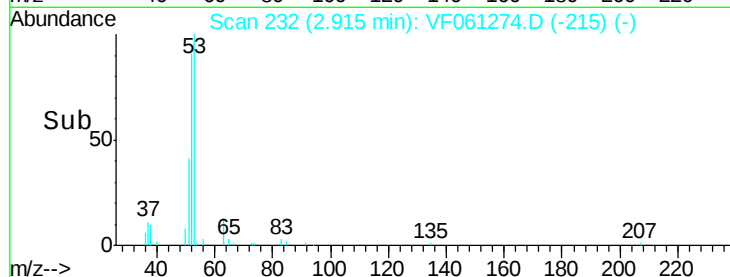
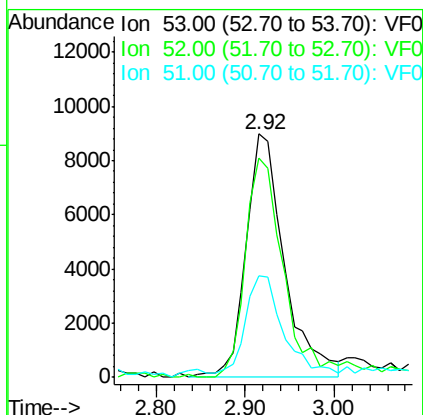
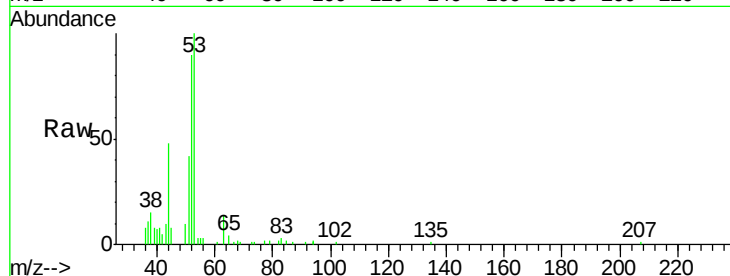
ClientSampleId :

VF0107SBS01

Tot Ion:	53	Resp:	26820
Ion	Ratio	Lower	Upper
53	100		
52	90.2	71.3	106.9
51	42.0	36.2	54.4

Manual Integrations
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#16

Acetone

Concen: 117.982 ug/l

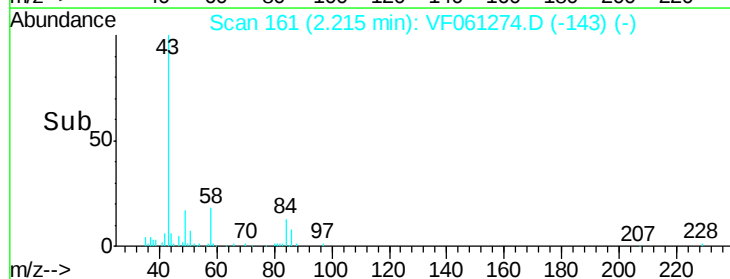
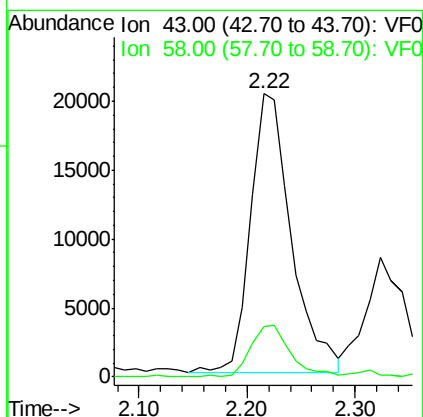
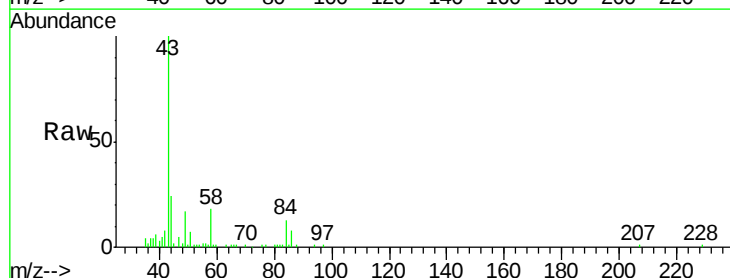
RT: 2.22 min Scan# 161

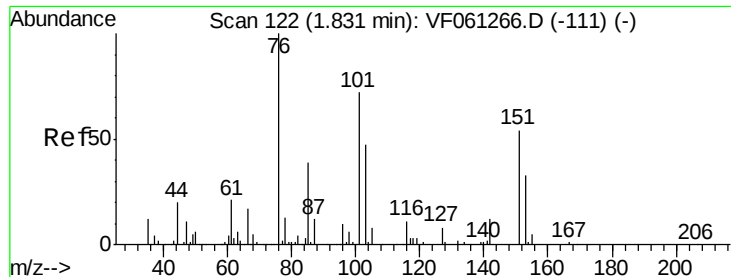
Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	43	Resp:	53124
Ion	Ratio	Lower	Upper
43	100		
58	18.0	13.0	19.4





#17

Carbon Disulfide

Concen: 26.238 ug/l

RT: 1.75 min Scan# 114

Delta R.T. -0.08 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 76 Resp: 144886

Ion Ratio Lower Upper

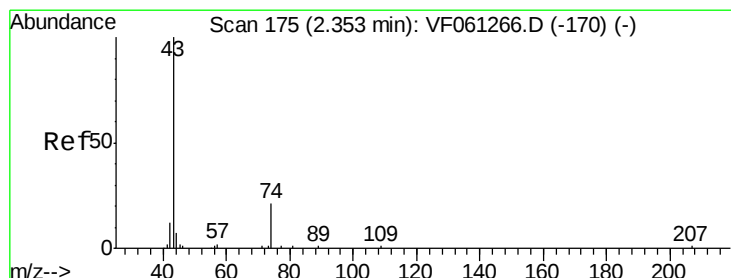
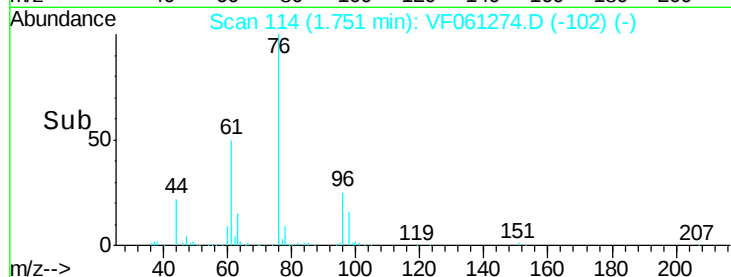
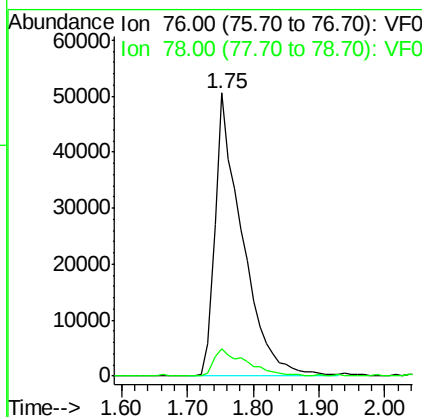
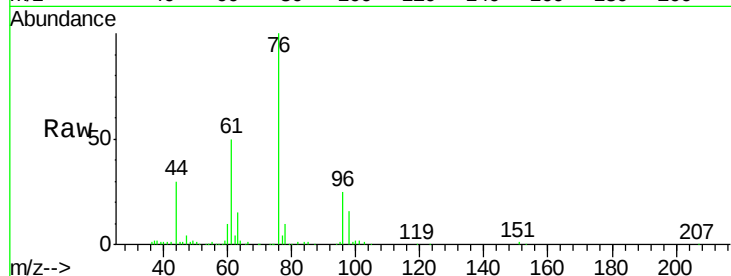
76 100

78 9.5 10.2 15.4#

Manual Integrations
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#18

Methyl Acetate

Concen: 20.122 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.03 min

Lab File: VF061274.D

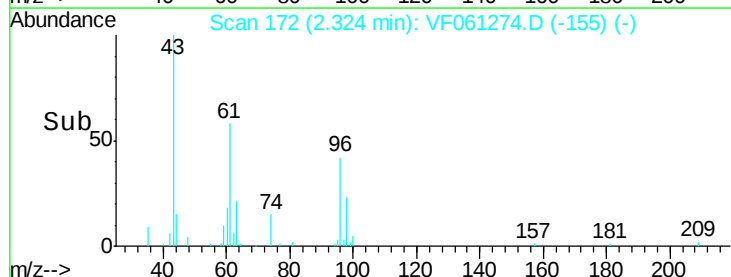
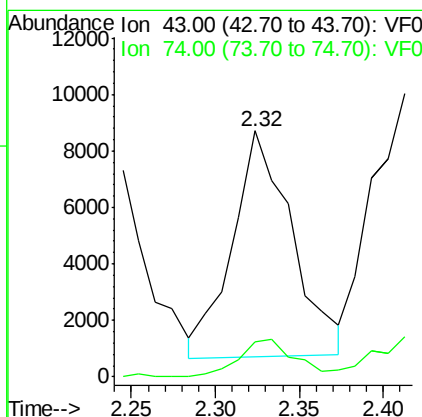
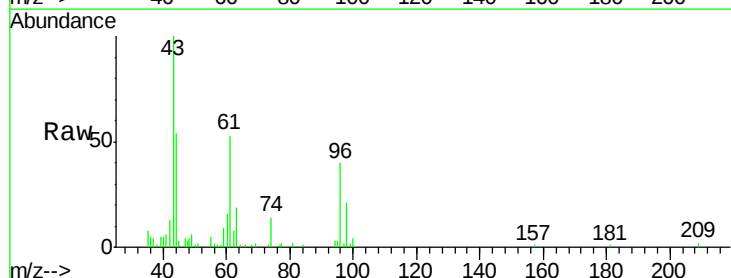
Acq: 7 Jan 2019 12:47

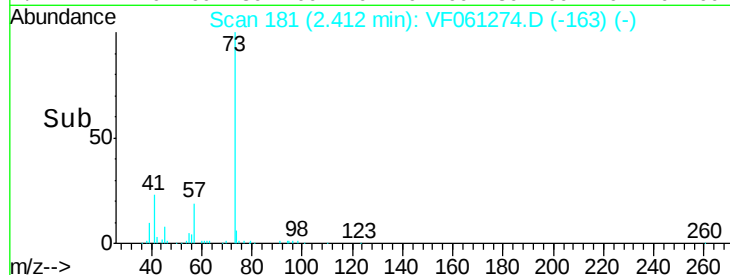
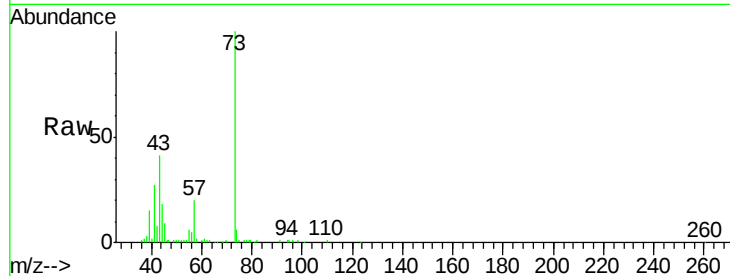
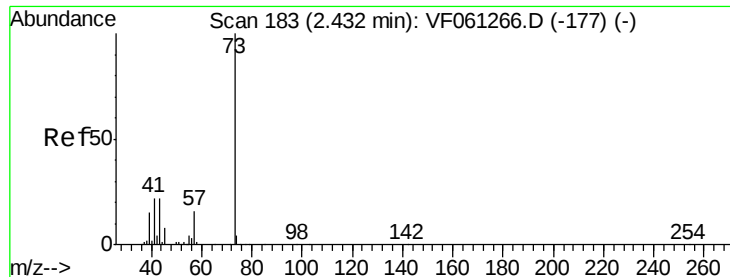
Tgt Ion: 43 Resp: 19748

Ion Ratio Lower Upper

43 100

74 14.0 14.4 21.6#





#19

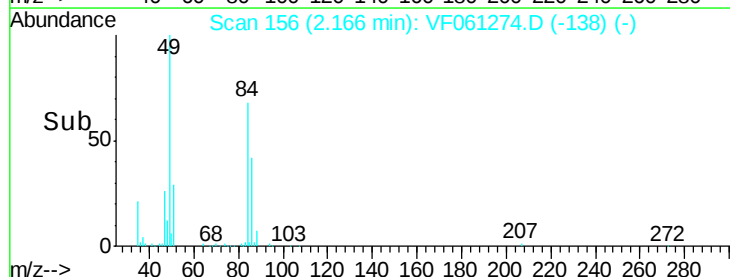
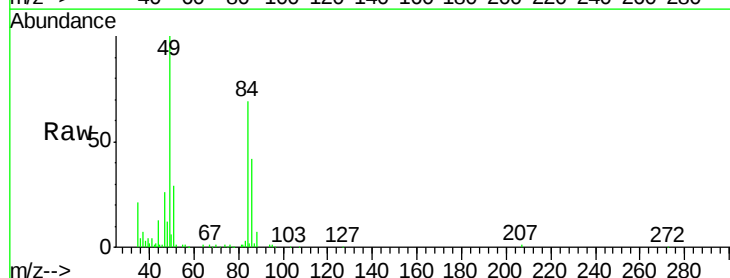
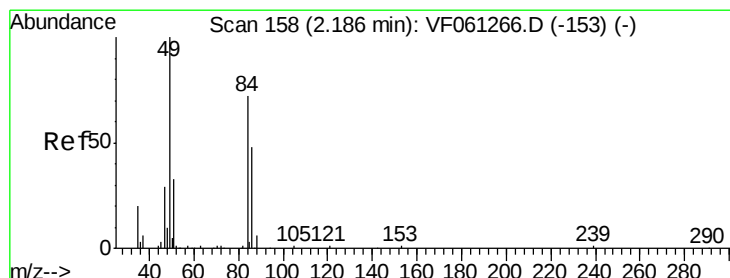
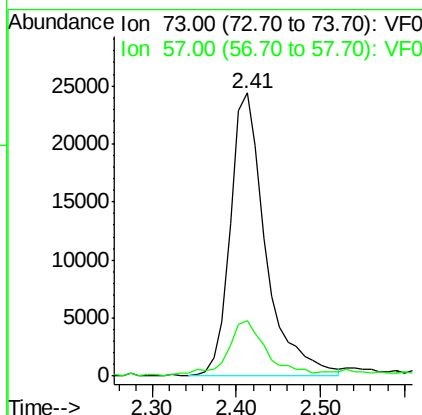
Methyl tert-butyl Ether
Concen: 18.924 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tot Ion	73	Resp	71534
Ion Ratio	100	Lower	Upper
73	100	14.0	21.0
57	19.5		

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

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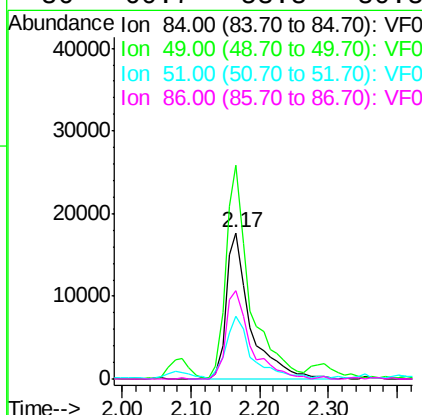
MMDadoda
1/8/2019 12:57:59 PM

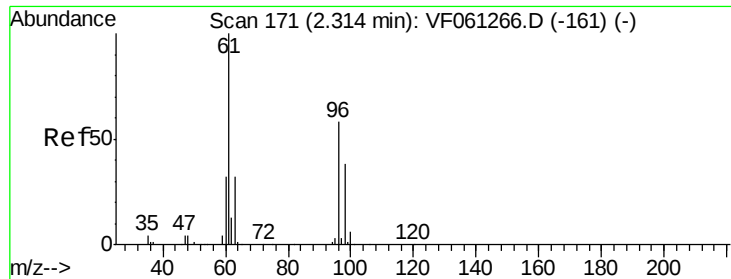


#20

Methylene Chloride
Concen: 20.374 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	84	Resp	42605
Ion Ratio	100	Lower	Upper
84	100	112.9	169.3
49	145.9	37.9	56.9
51	42.5	53.8	80.8
86	60.7		





#21

trans-1,2-Dichloroethene

Concen: 23.851 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

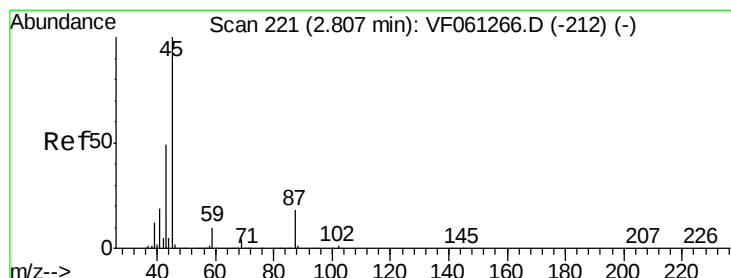
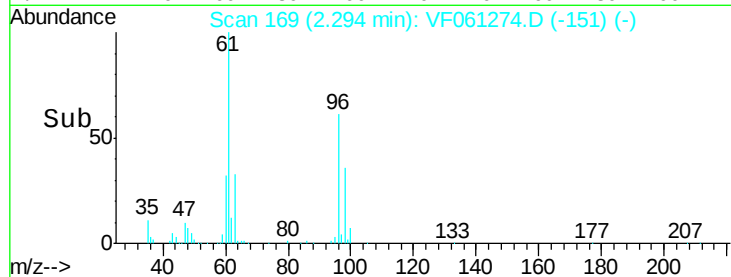
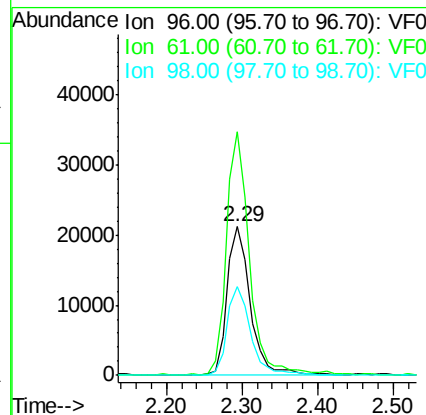
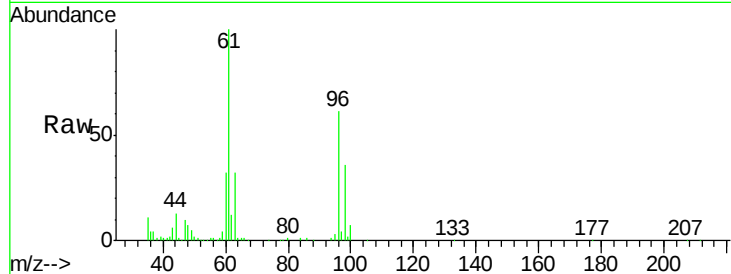
ClientSampleId :

VF0107SBS01

Tot Ion:	96	Resp:	45490
Ion	Ratio	Lower	Upper
96	100		
61	163.6	139.3	208.9
98	59.4	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.265 ug/l

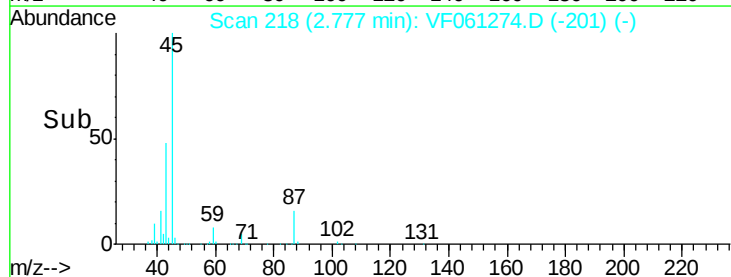
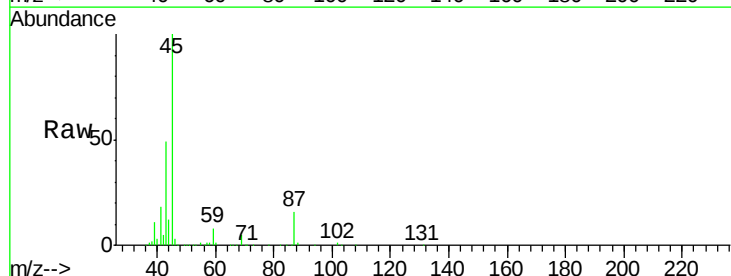
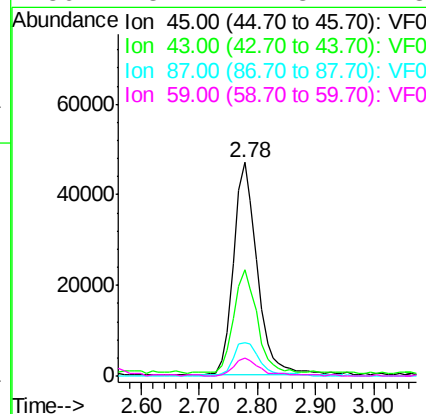
RT: 2.78 min Scan# 218

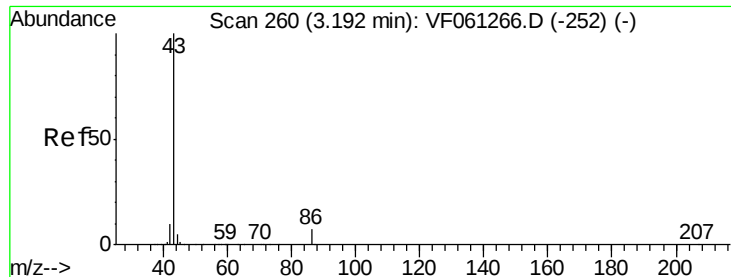
Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	45	Resp:	134050
Ion	Ratio	Lower	Upper
45	100		
43	49.5	39.5	59.3
87	15.6	14.8	22.2
59	8.4	7.8	11.8





#23

Vinyl Acetate

Concen: 65.889 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 43 Resp: 190219

Ion Ratio Lower Upper

43 100

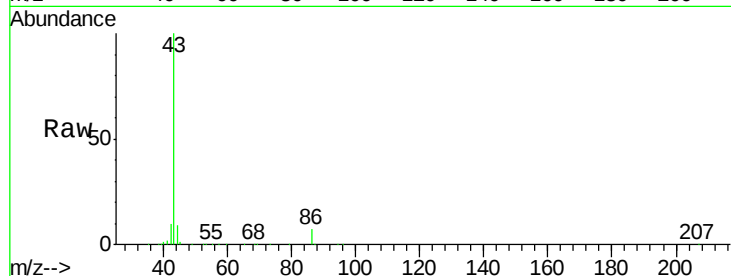
86 7.1 6.0 9.0

Manual Integrations

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1/8/2019 12:57:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

80000

60000

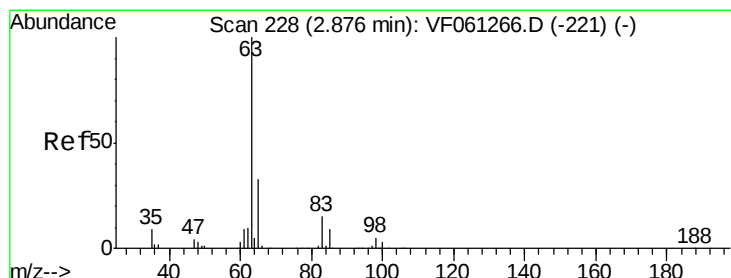
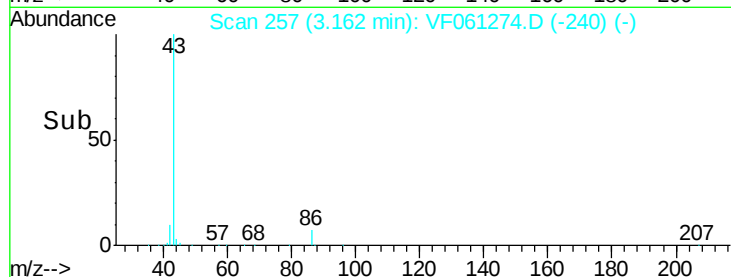
40000

20000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 22.282 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

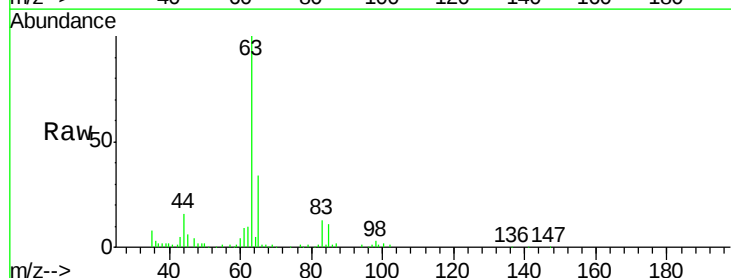
Tgt Ion: 63 Resp: 82355

Ion Ratio Lower Upper

63 100

98 3.0 2.5 7.5

100 1.9 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

40000

30000

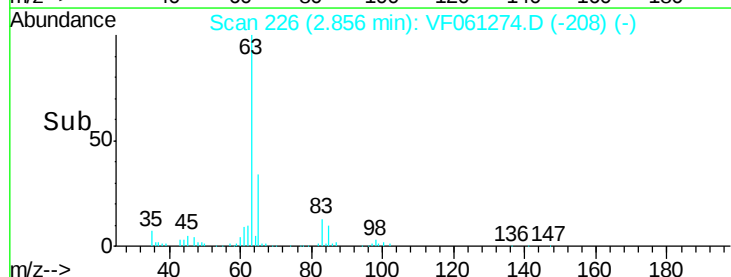
20000

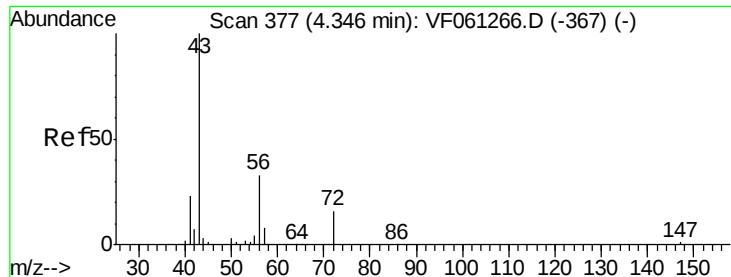
10000

0

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 85.525 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tot Ion: 43 Resp: 75492

Ion Ratio Lower Upper

43 100

72 15.5 13.0 19.6

Instrument :

MSVOA_F

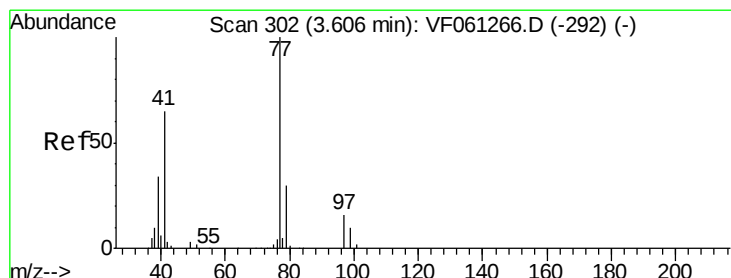
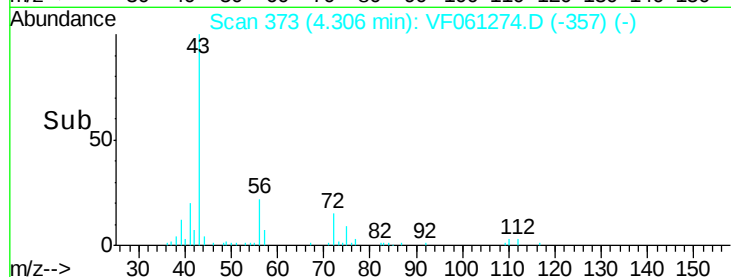
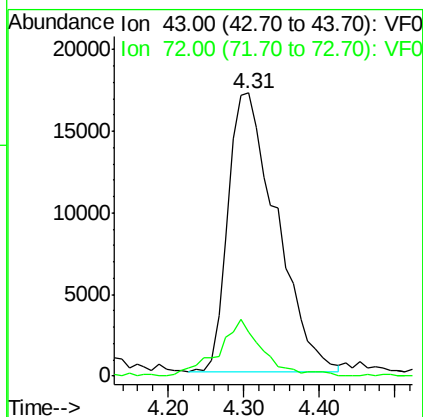
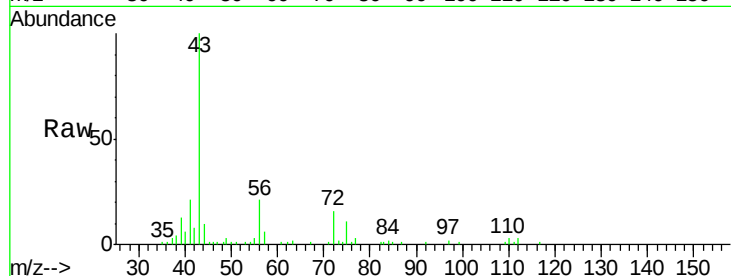
ClientSampleId :

VF0107SBS01

Manual Integrations
APPROVED

MMDadoda

1/8/2019 12:57:59 PM



#26

2,2-Dichloropropane

Concen: 30.289 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061274.D

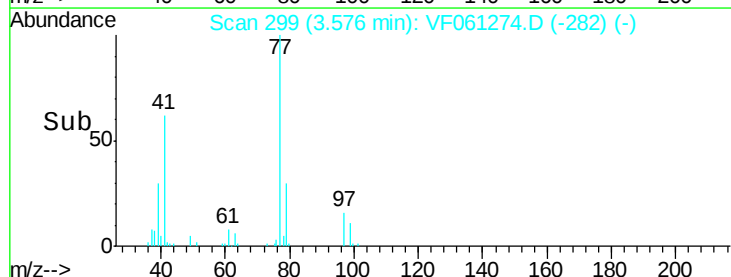
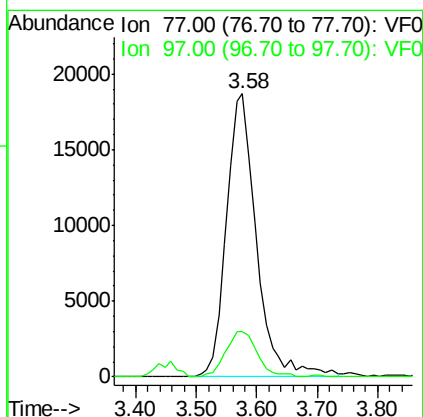
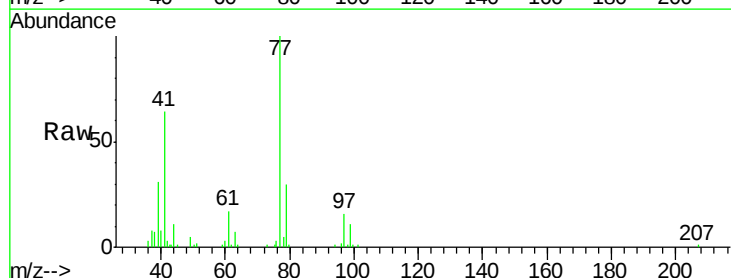
Acq: 7 Jan 2019 12:47

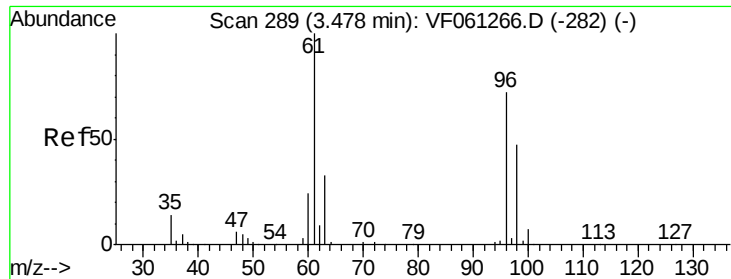
Tgt Ion: 77 Resp: 64466

Ion Ratio Lower Upper

77 100

97 16.2 8.9 26.7





#27

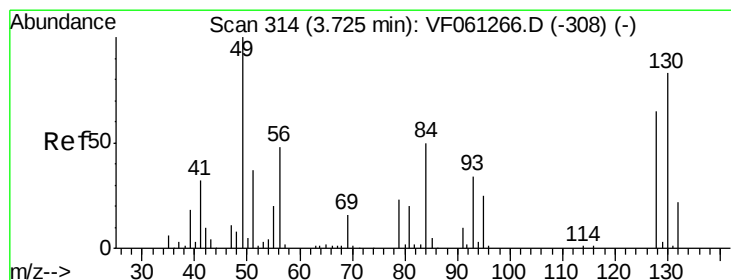
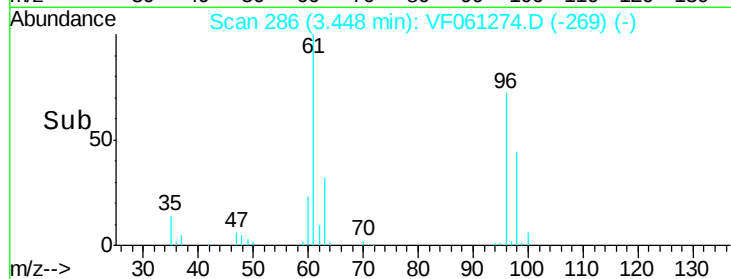
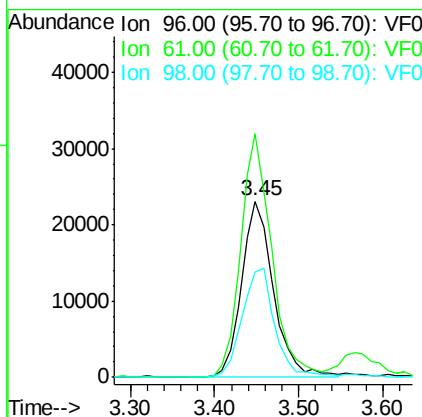
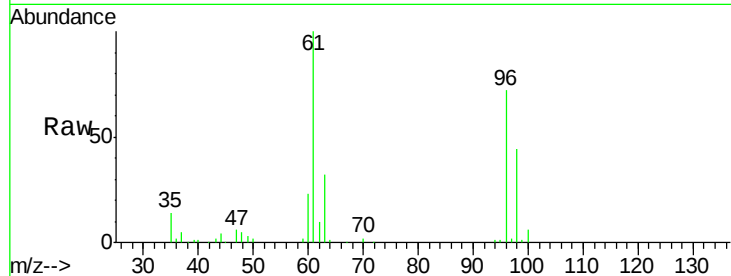
cis-1,2-Dichloroethene
Concen: 21.731 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	277.8
98	60.3	0.0	130.8

Manual Integrations
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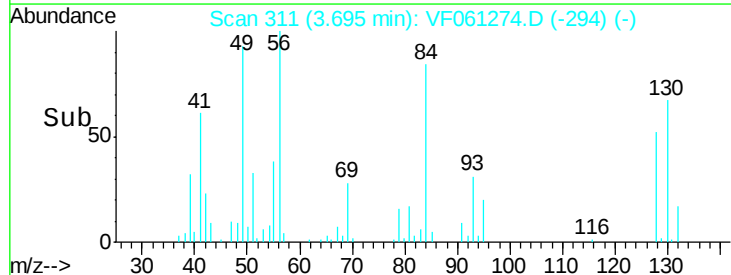
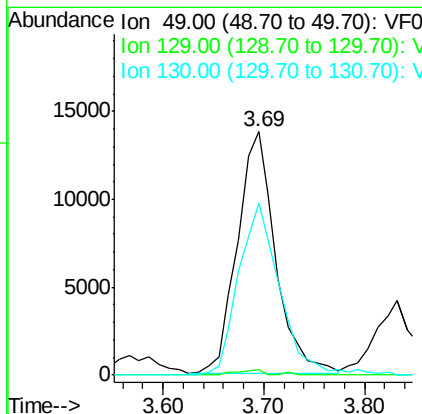
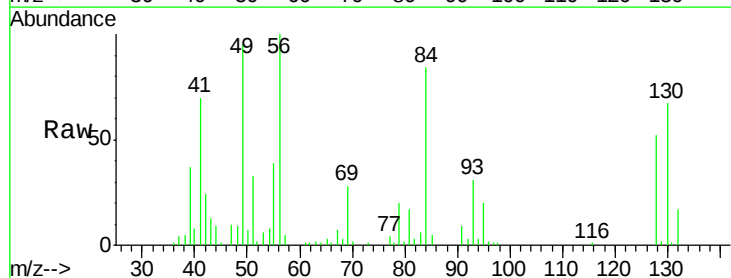
MMDadoda
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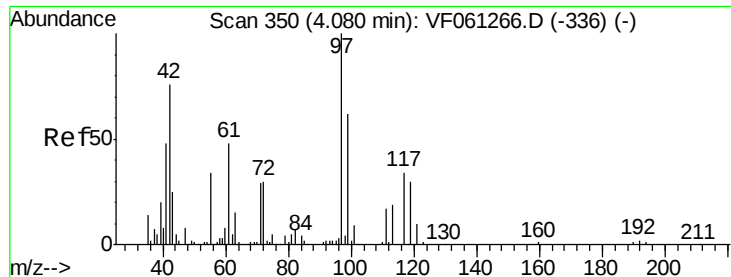


#28

Bromochloromethane
Concen: 20.617 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	70.5	65.7	98.5





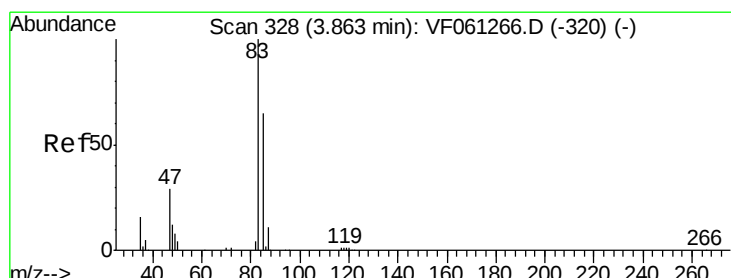
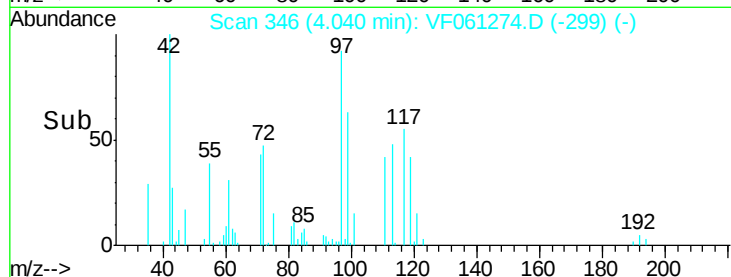
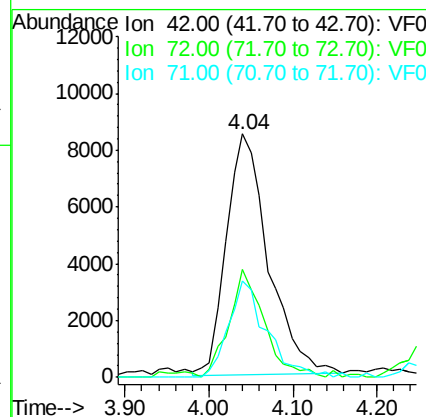
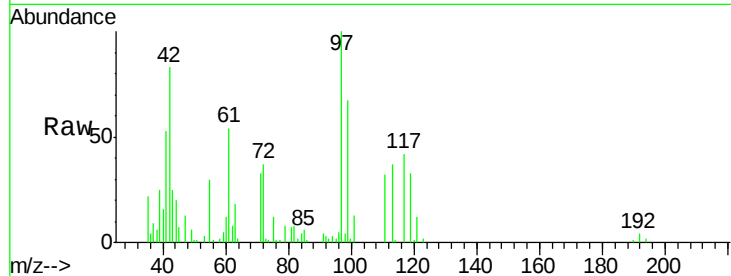
#29
Tetrahydrofuran
Concen: 90.565 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.04 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.2	43.8
71	36.3	29.1	43.7

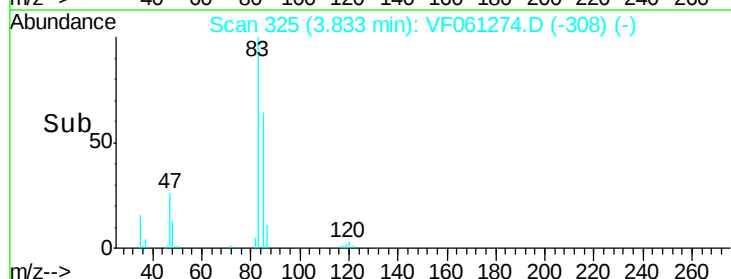
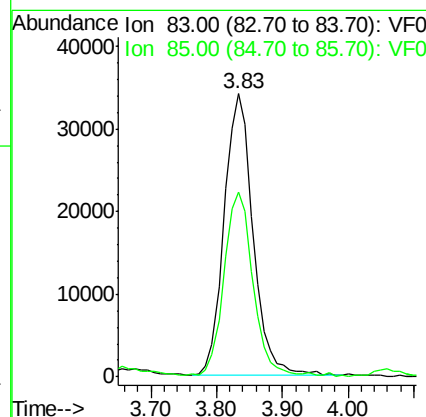
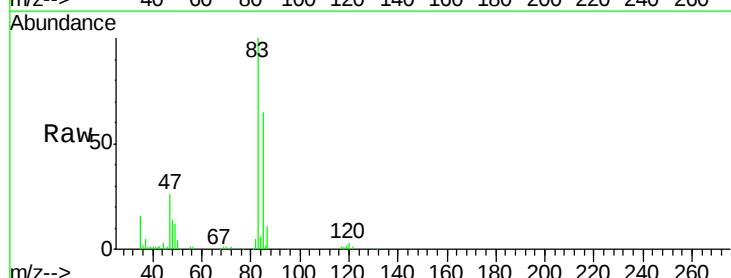
Manual Integrations
APPROVED

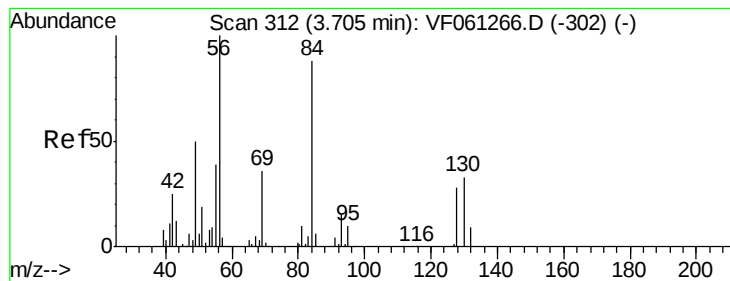
MMDadoda
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#30
Chloroform
Concen: 20.234 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4





#31

Cyclohexane

Concen: 23.746 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

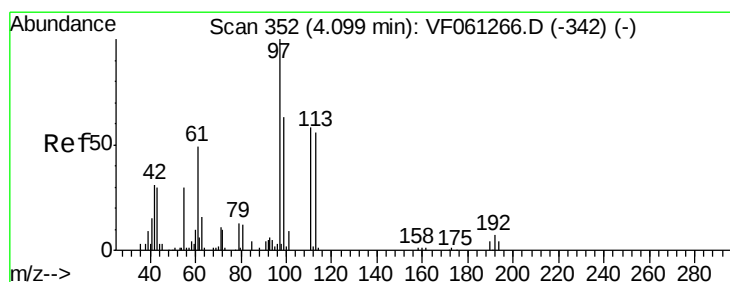
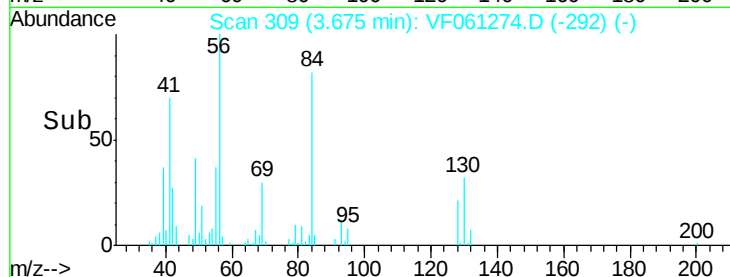
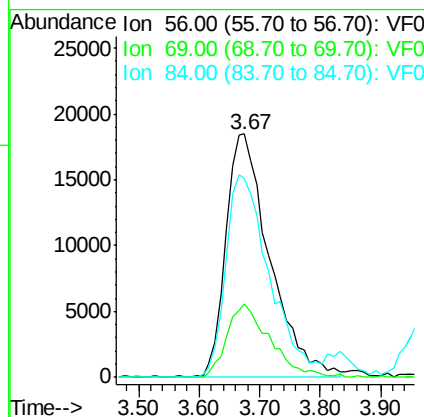
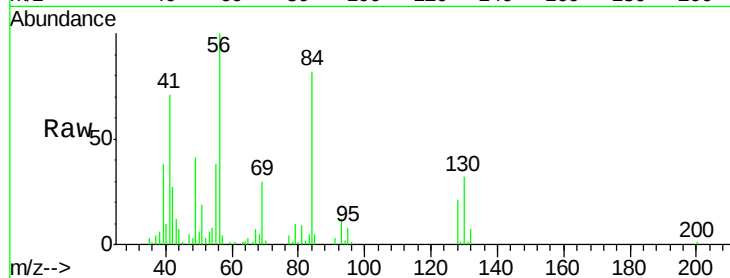
ClientSampleId :

VF0107SBS01

Tot Ion:	56	Resp:	93022
Ion	Ratio	Lower	Upper
56	100		
69	30.2	28.7	43.1
84	81.7	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 27.111 ug/l

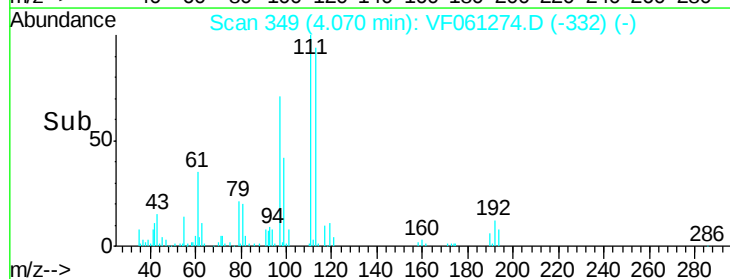
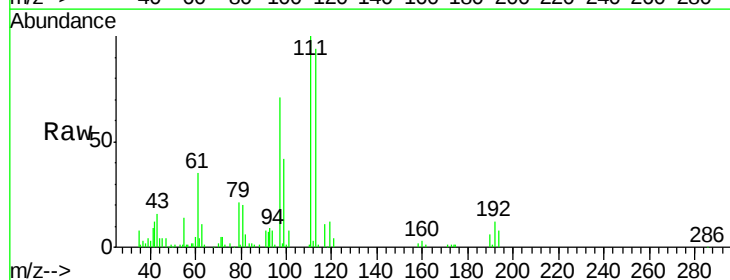
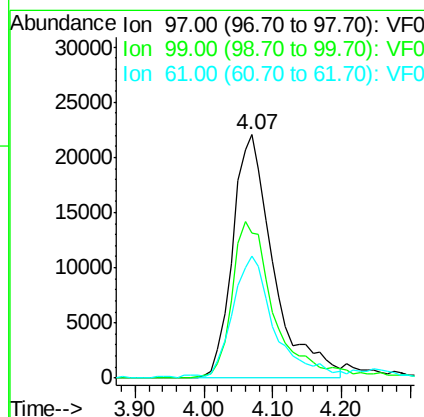
RT: 4.07 min Scan# 349

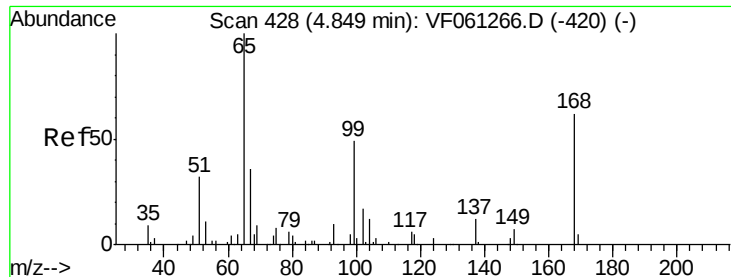
Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	97	Resp:	91039
Ion	Ratio	Lower	Upper
97	100		
99	59.6	50.6	76.0
61	49.9	39.6	59.4





#33

1,2-Dichloroethane-d4

Concen: 41.599 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tot Ion: 65 Resp: 99448

Ion Ratio Lower Upper

65 100

67 45.8 0.0 90.4

Instrument :

MSVOA_F

ClientSampleId :

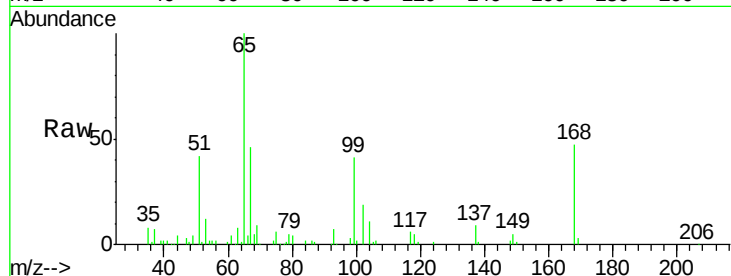
VF0107SBS01

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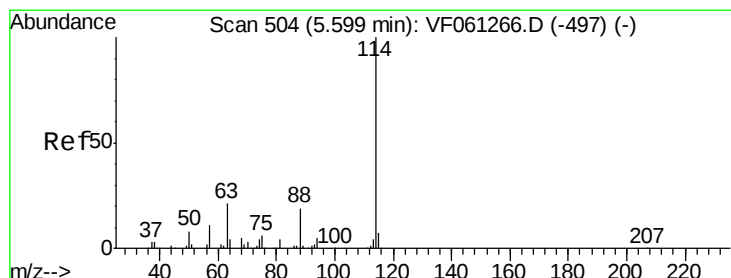
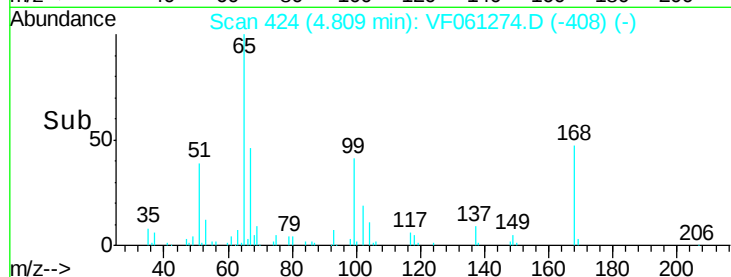
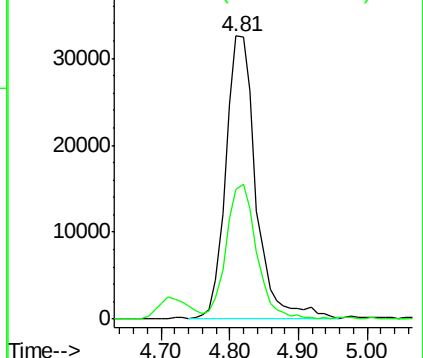
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

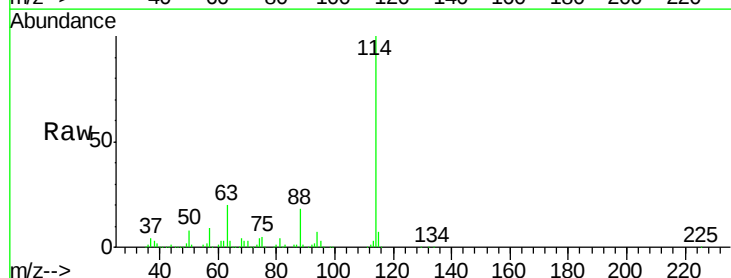
Tgt Ion: 114 Resp: 309206

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

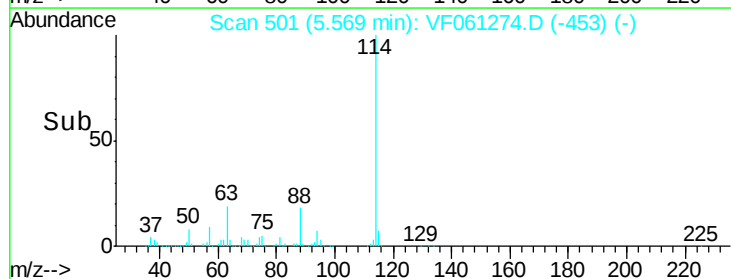
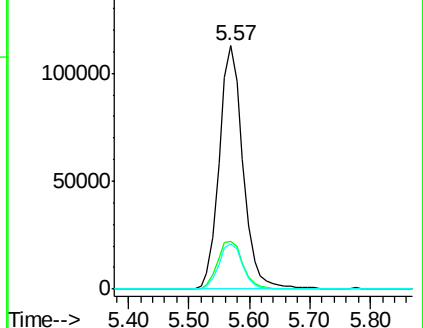
88 18.5 0.0 38.4

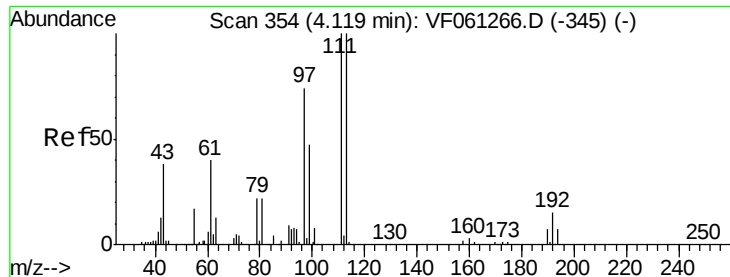


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.676 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

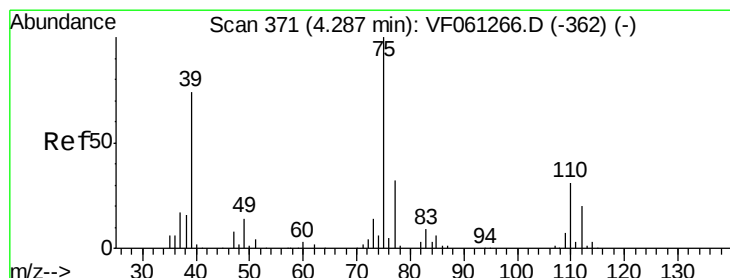
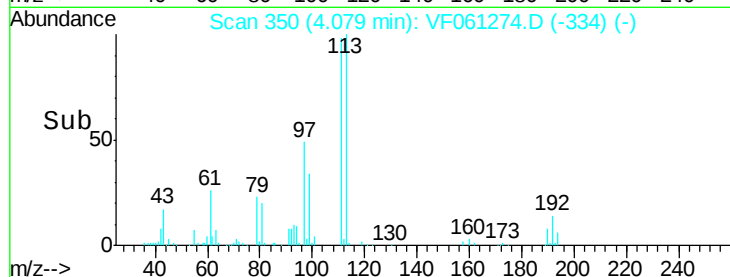
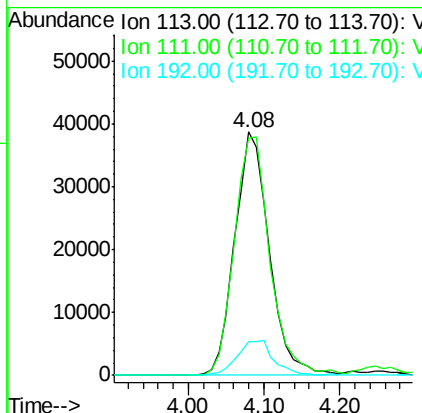
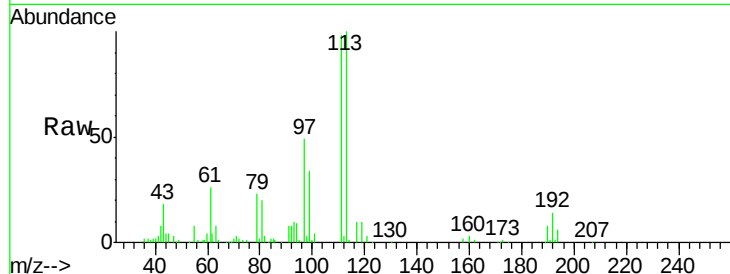
ClientSampleId :

VF0107SBS01

Tot Ion:	113	Resp:	122930
Ion Ratio	Lower	Upper	
113	100		
111	97.6	79.8	119.6
192	13.8	11.9	17.9

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#36

1,1-Dichloropropene

Concen: 21.999 ug/l

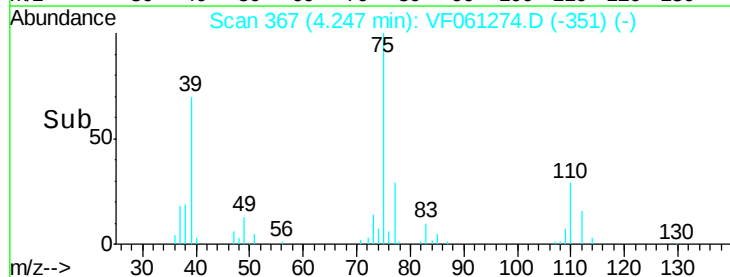
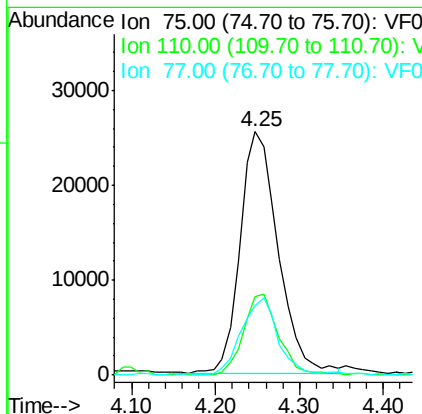
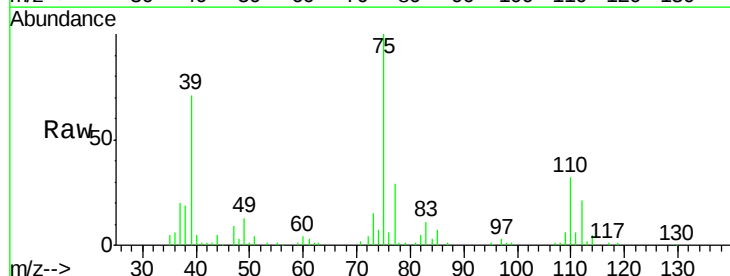
RT: 4.25 min Scan# 367

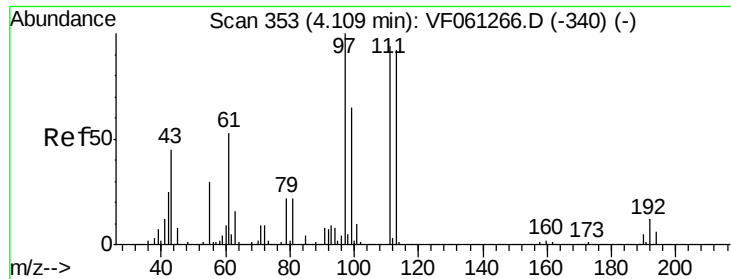
Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	75	Resp:	80112
Ion Ratio	Lower	Upper	
75	100		
110	32.3	15.4	46.4
77	28.8	25.6	38.4





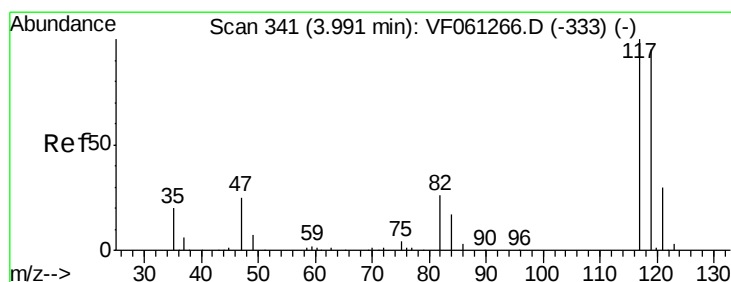
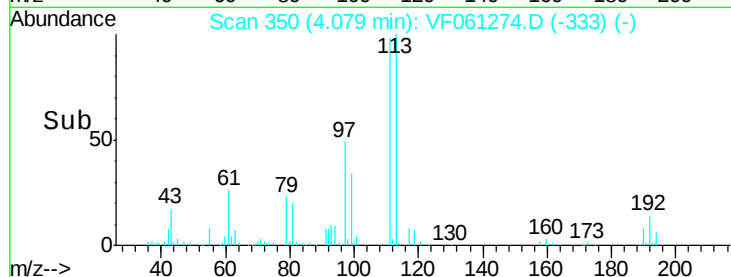
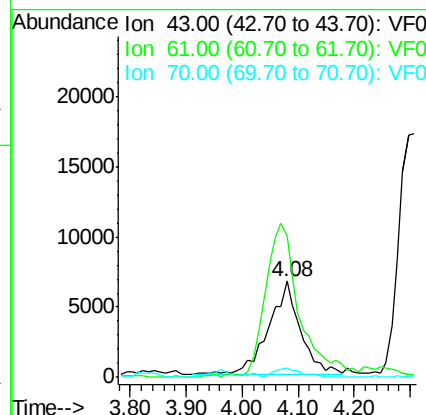
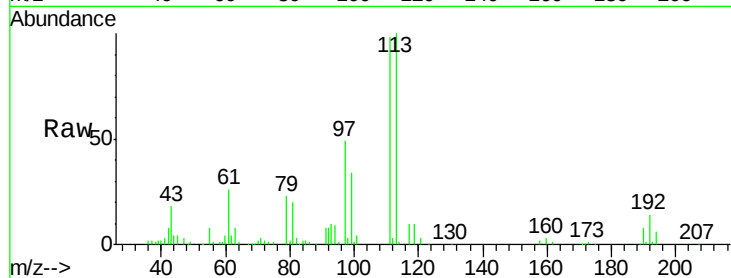
#37
Ethyl Acetate
Concen: 17.823 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	147.8	91.2	136.8#
70	9.6	7.1	10.7

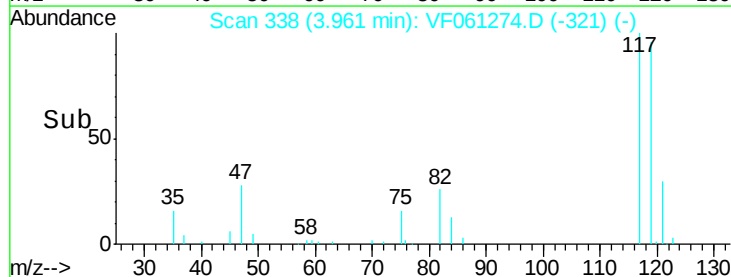
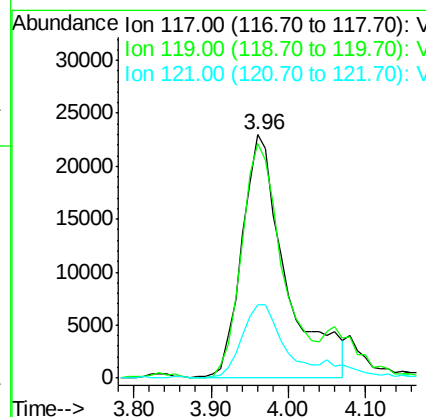
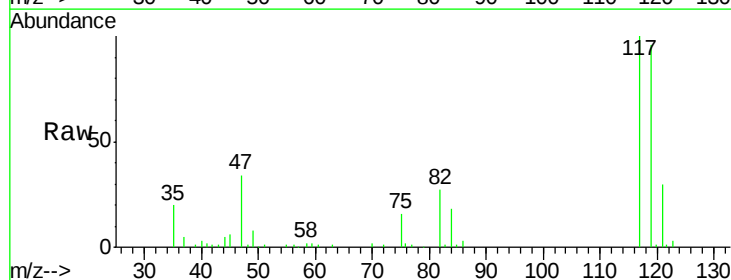
Manual Integrations
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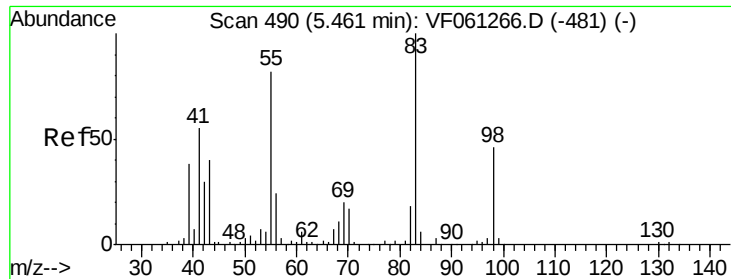
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#38
Carbon Tetrachloride
Concen: 31.524 ug/l m
RT: 3.96 min Scan# 338
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0
121	30.3	23.8	35.8





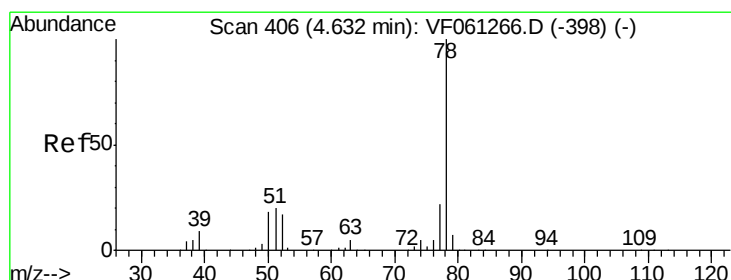
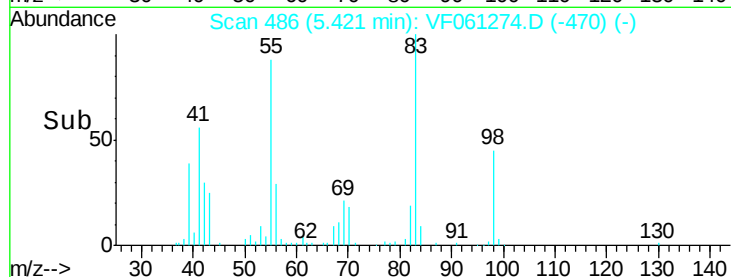
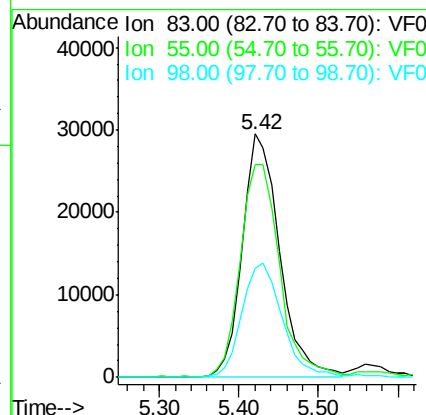
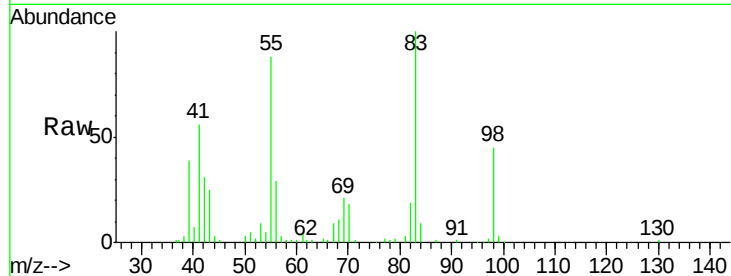
#39
Methvlcvclohexane
Concen: 24.677 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	65.6	98.4
98	44.7	36.7	55.1

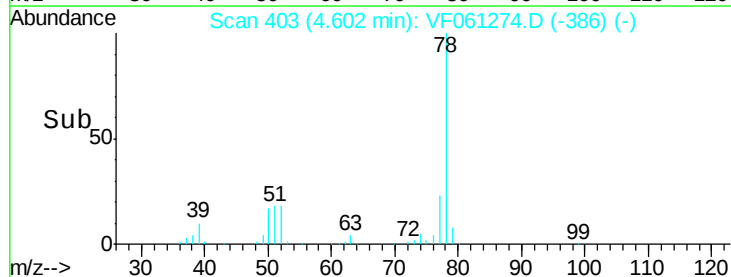
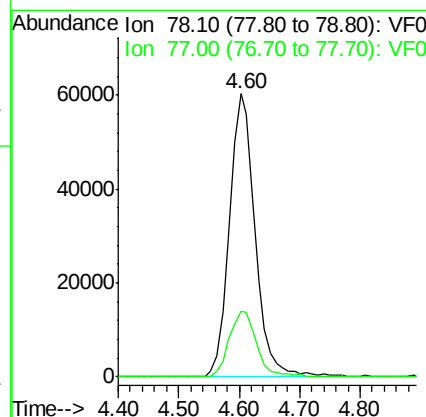
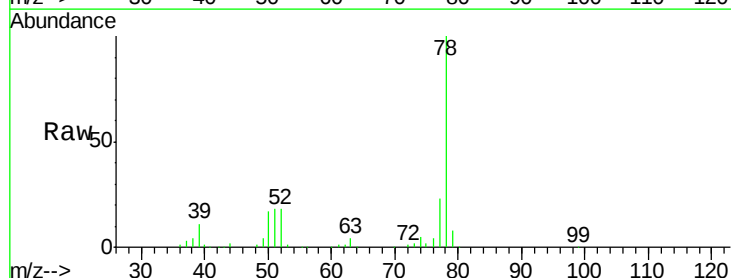
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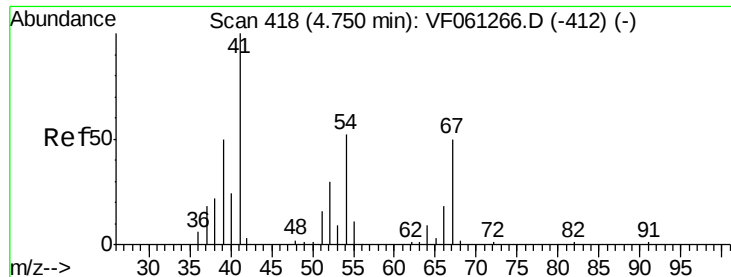
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#40
Benzene
Concen: 21.520 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.0	27.0





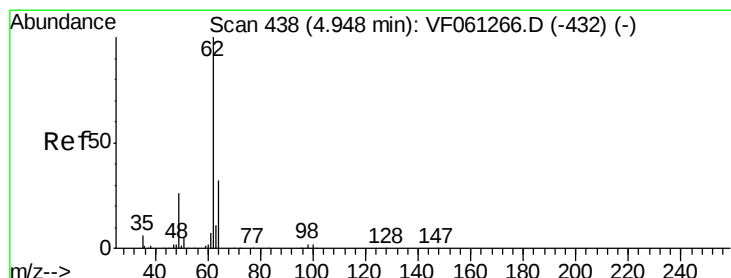
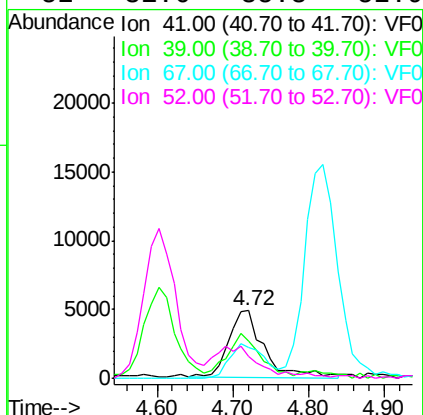
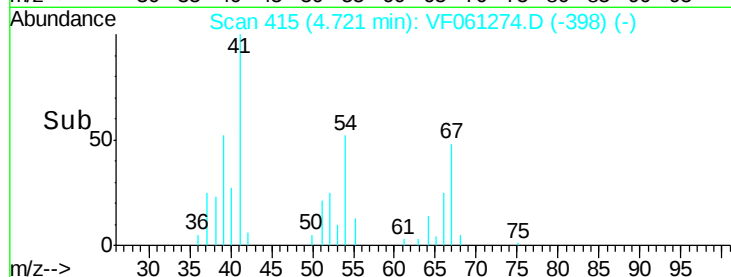
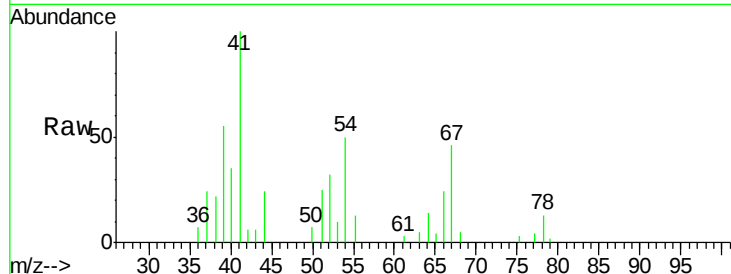
#41
Methacrylonitrile
Concen: 20.033 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.6	66.8
67	46.0	39.3	58.9
52	31.6	35.3	52.9#

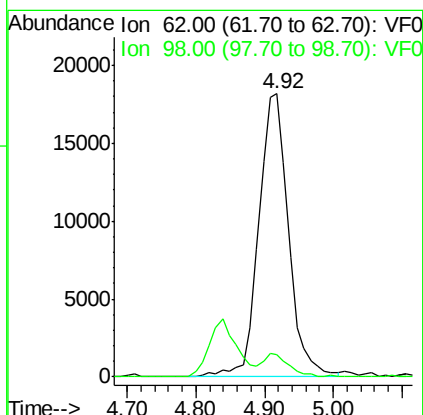
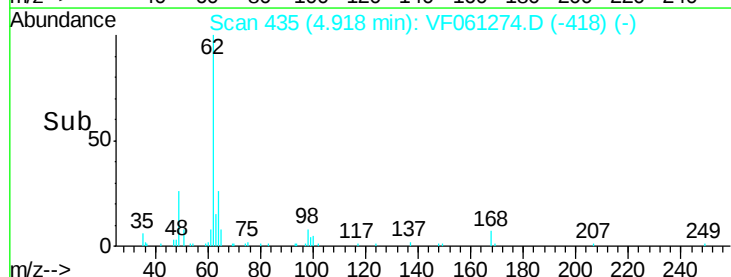
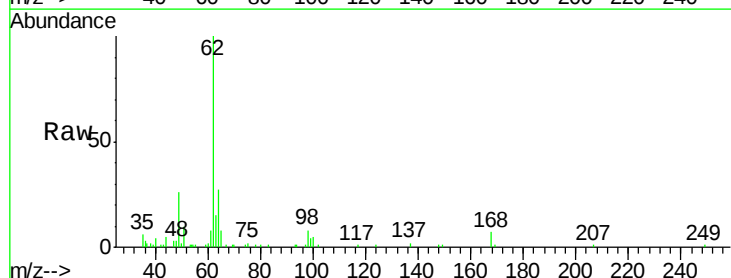
Manual Integrations
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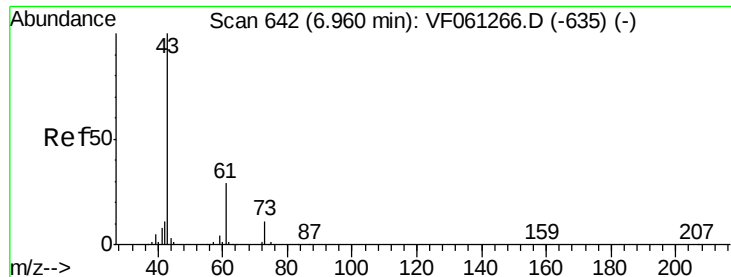
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#42
1,2-Dichloroethane
Concen: 19.978 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	13.4





#43

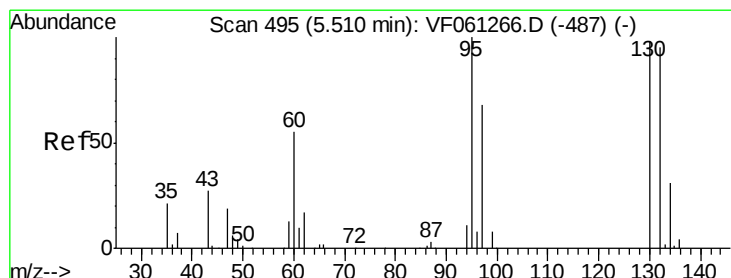
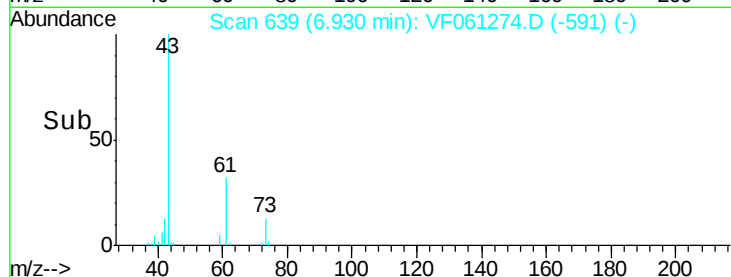
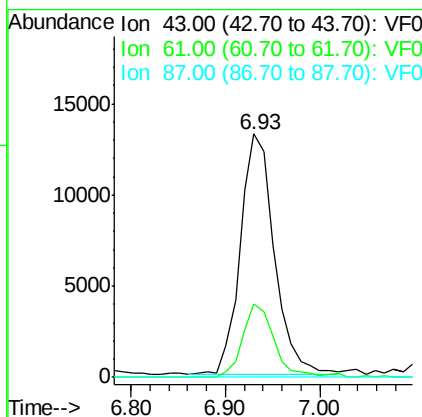
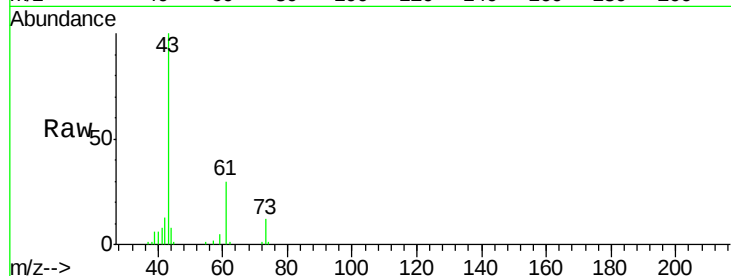
Isopropyl Acetate
 Concen: 17.019 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion	43.00	Resp	33018
Ion Ratio	100	Lower	Upper
43	100		
61	30.1	23.4	35.2
87	0.0	0.3	0.5

Manual Integrations
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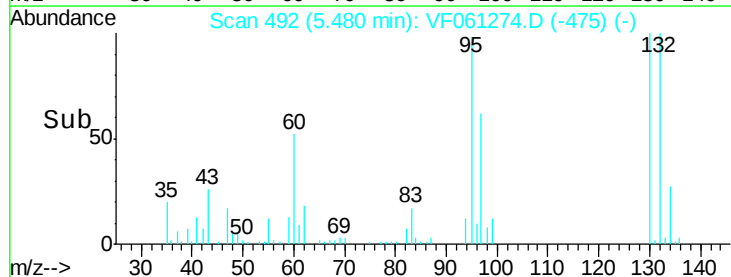
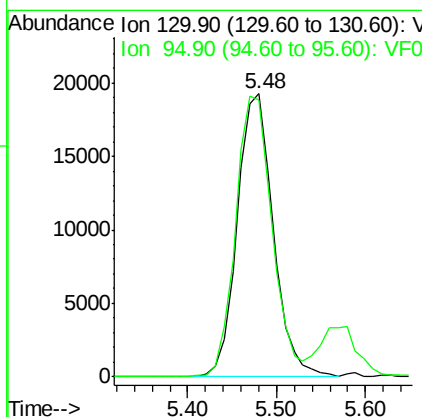
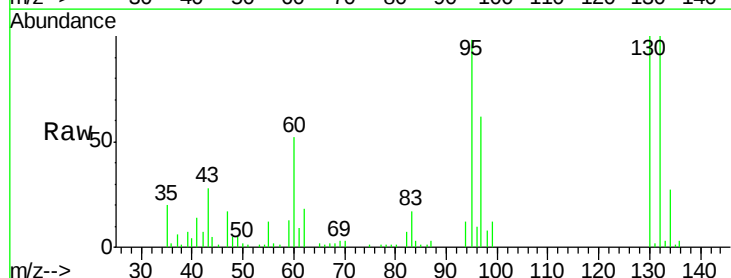
MMDadoda
 1/8/2019 12:57:59 PM

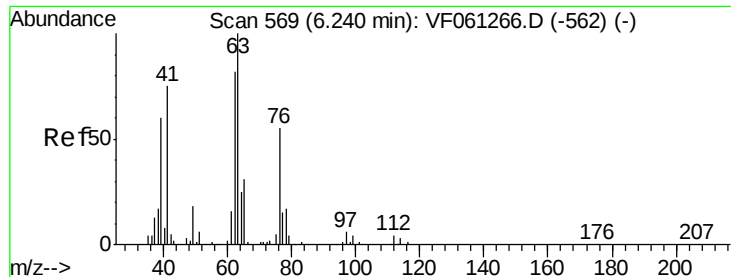


#44

Trichloroethene
 Concen: 20.980 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion	130	Resp	53973
Ion Ratio	100	Lower	Upper
130	100		
95	97.8	0.0	204.0





#45

1,2-Dichloropropane

Concen: 21.948 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 63 Resp: 46312

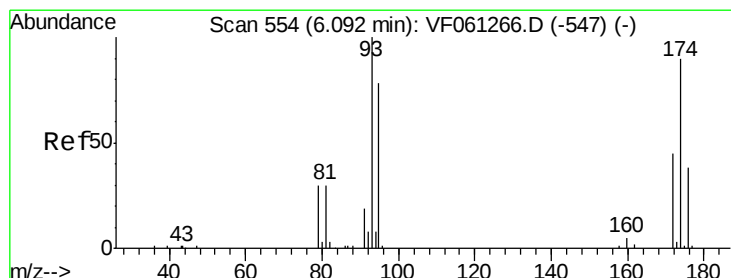
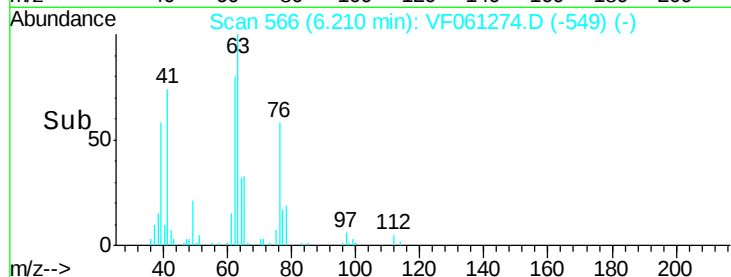
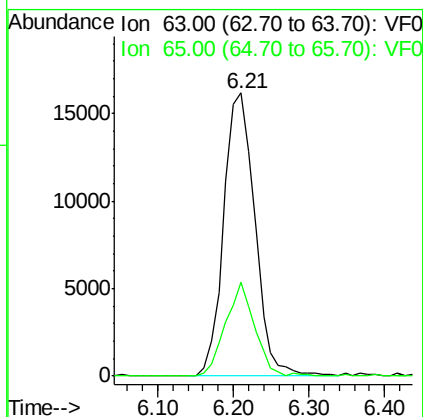
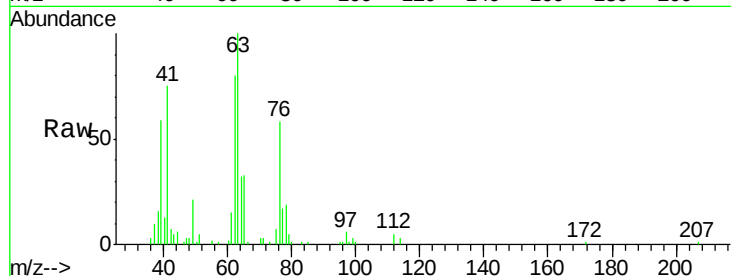
Ion Ratio Lower Upper

63 100

65 33.1 24.4 36.6

Manual Integrations
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#46

Dibromomethane

Concen: 19.330 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

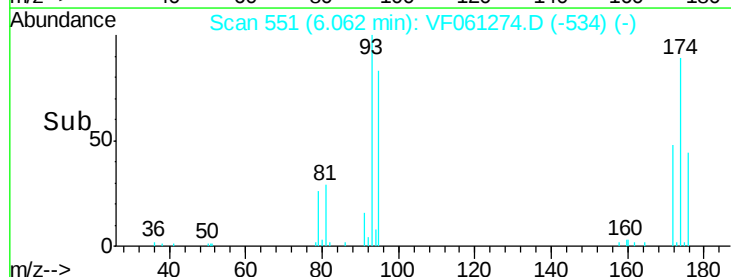
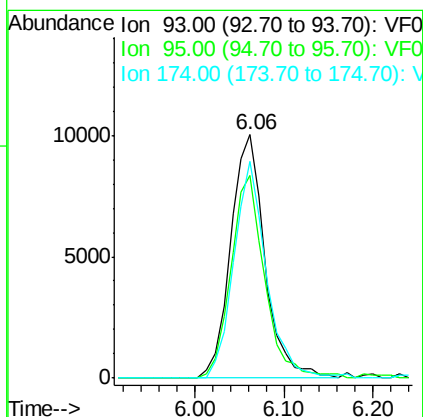
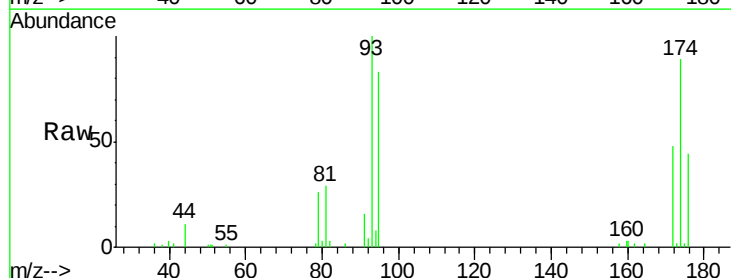
Tgt Ion: 93 Resp: 26838

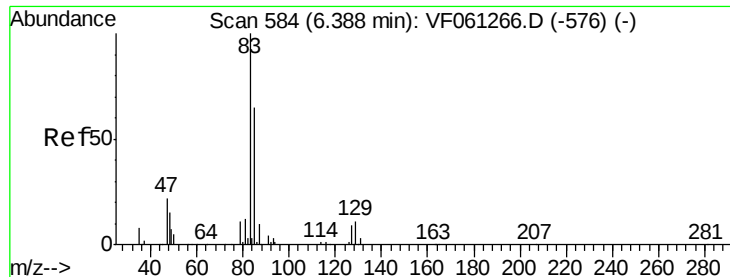
Ion Ratio Lower Upper

93 100

95 83.2 62.4 93.6

174 89.1 71.9 107.9





#47

Bromodichloromethane

Concen: 19.680 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

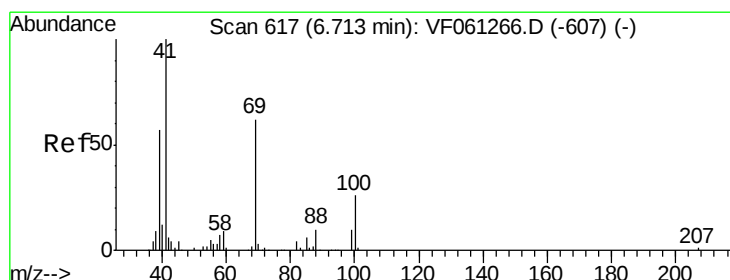
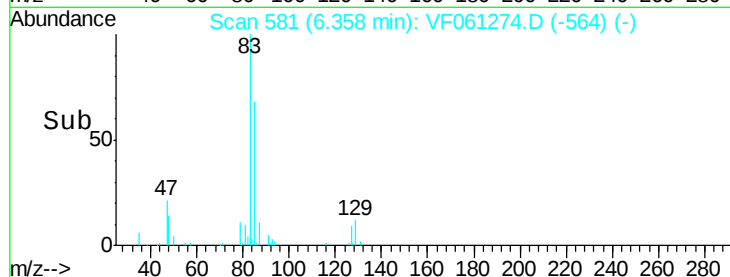
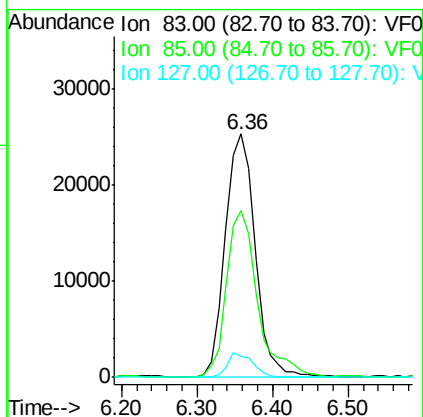
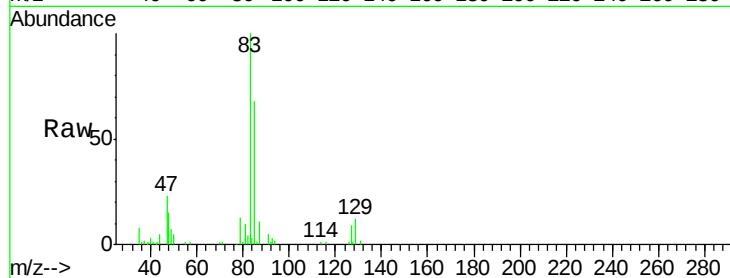
ClientSampleId :

VF0107SBS01

Tot Ion:	83	Resp:	69553
Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.1	78.1
127	8.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.337 ug/l

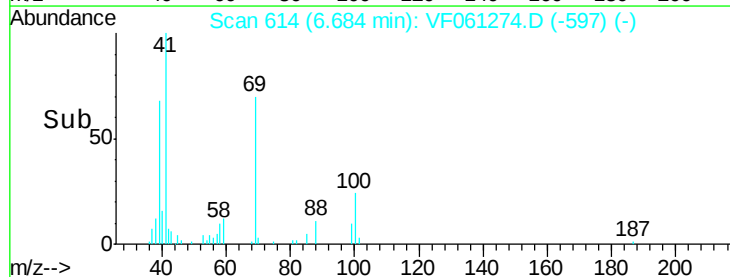
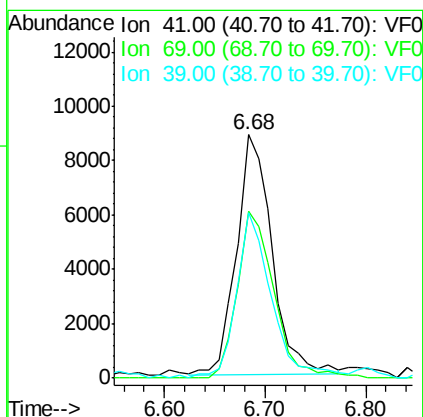
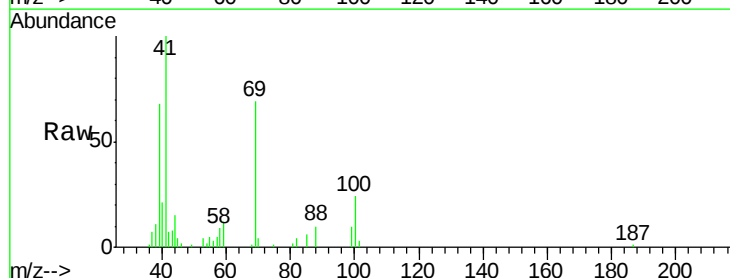
RT: 6.68 min Scan# 614

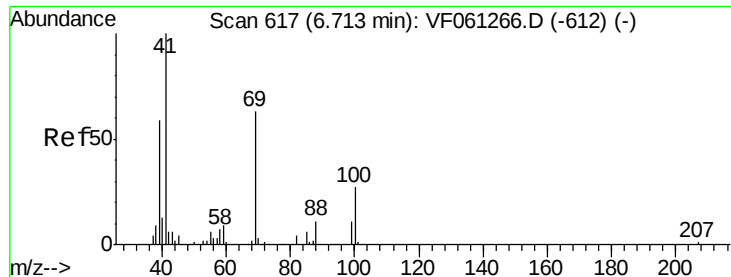
Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	41	Resp:	21780
Ion	Ratio	Lower	Upper
41	100		
69	68.6	49.8	74.8
39	67.8	46.4	69.6





#49

1,4-Dioxane

Concen: 310.983 ug/l

RT: 6.67 min Scan# 613

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

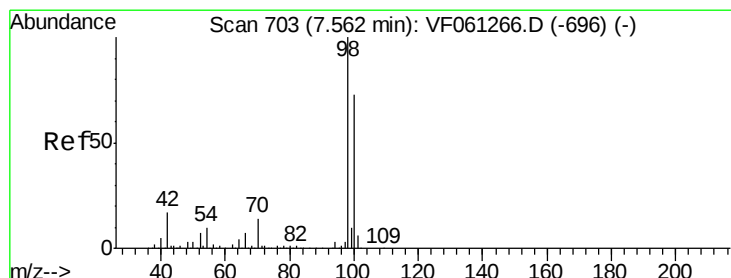
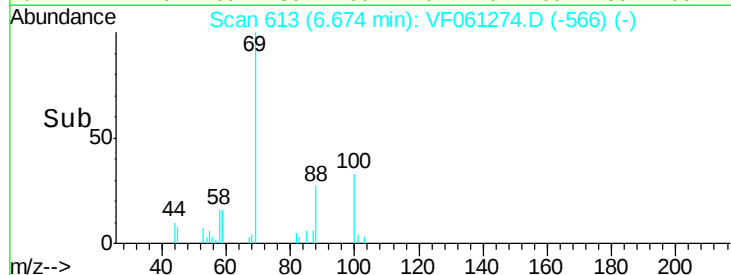
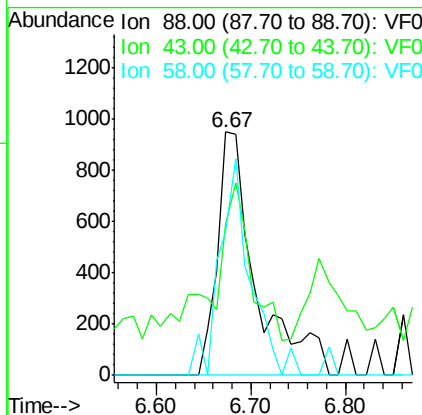
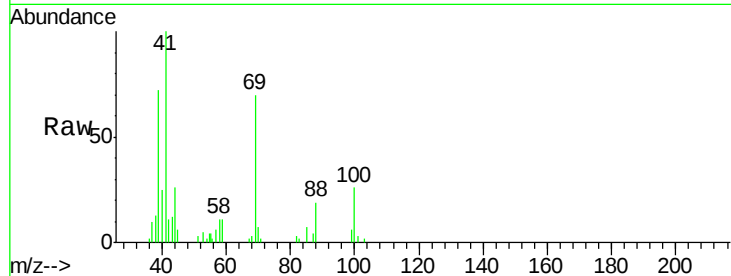
ClientSampleId :

VF0107SBS01

Tot Ion:	88	Resp:	2707
Ion	Ratio	Lower	Upper
88	100		
43	62.4	55.2	82.8
58	58.9	50.9	76.3

Manual Integrations
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#50

Toluene-d8

Concen: 48.835 ug/l

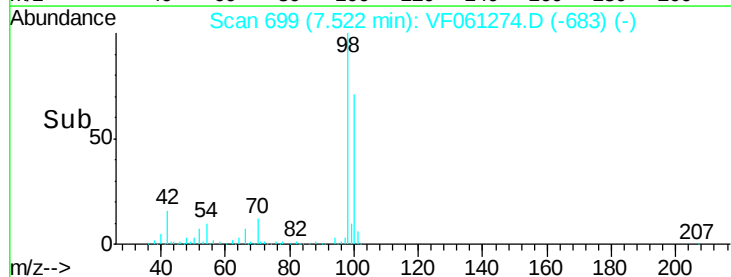
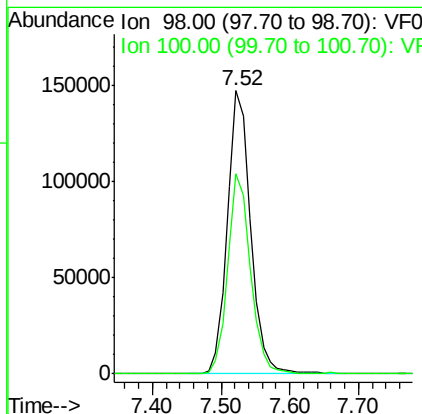
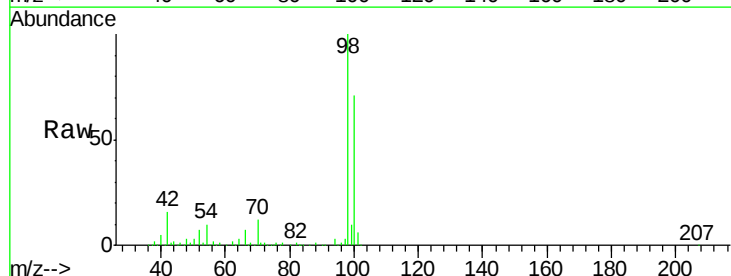
RT: 7.52 min Scan# 699

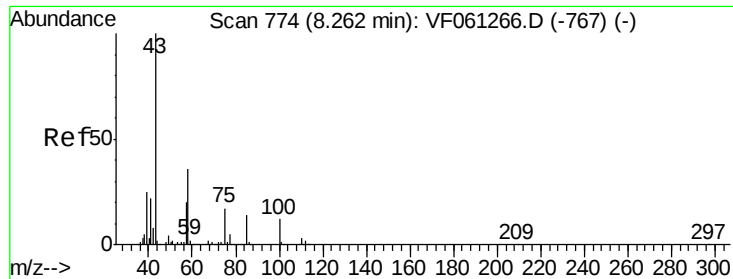
Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	98	Resp:	344743
Ion	Ratio	Lower	Upper
98	100		
100	70.9	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 104.582 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tot Ion: 43 Resp: 134382

Ion Ratio Lower Upper

43 100

58 39.9 29.1 43.7

Instrument :

MSVOA_F

ClientSampleId :

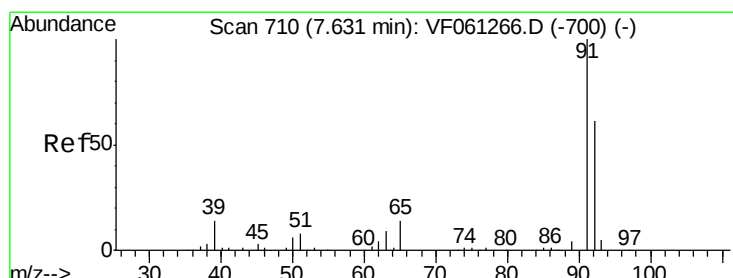
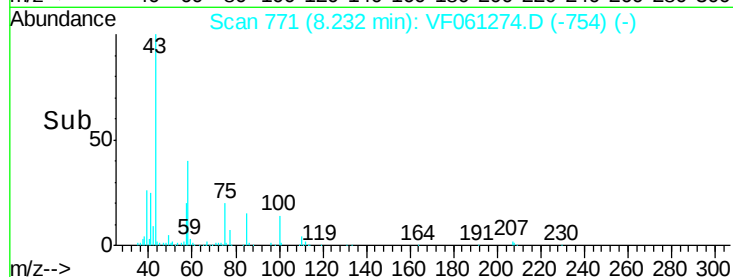
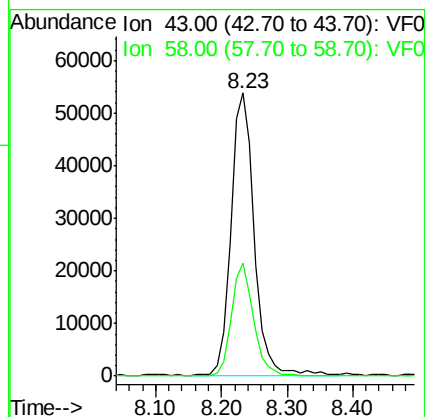
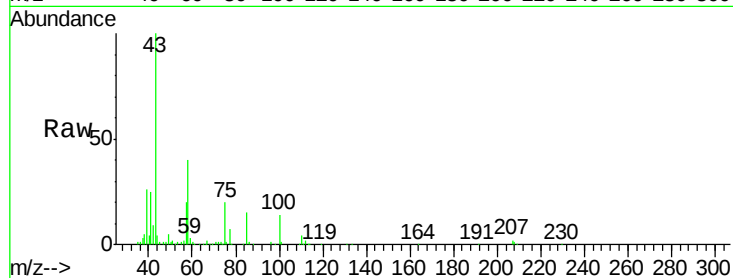
VF0107SBS01

Manual Integrations

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#52

Toluene

Concen: 20.910 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061274.D

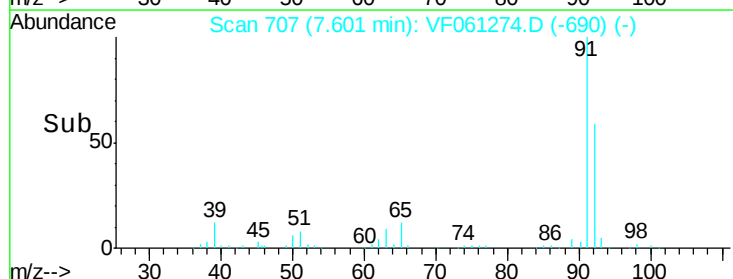
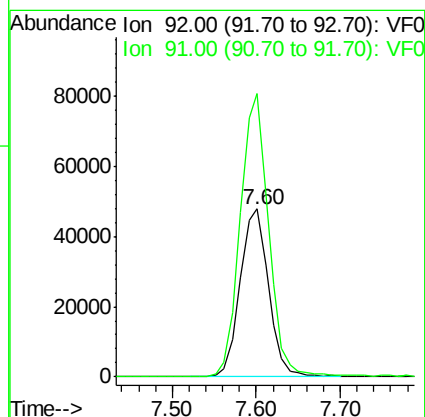
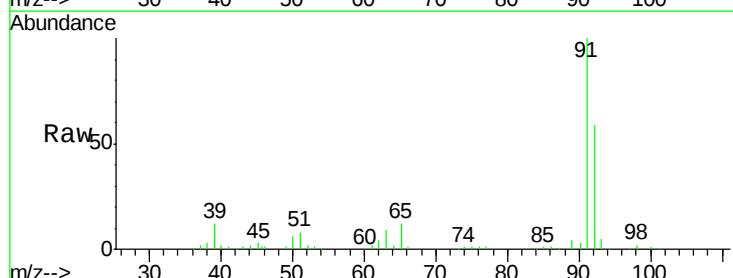
Acq: 7 Jan 2019 12:47

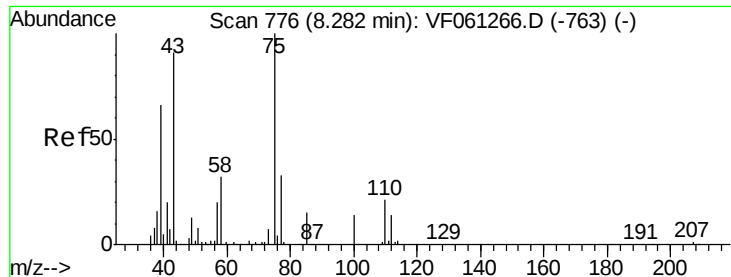
Tgt Ion: 92 Resp: 112839

Ion Ratio Lower Upper

92 100

91 168.5 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 19.474 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 75 Resp: 56106

Ion Ratio Lower Upper

75 100

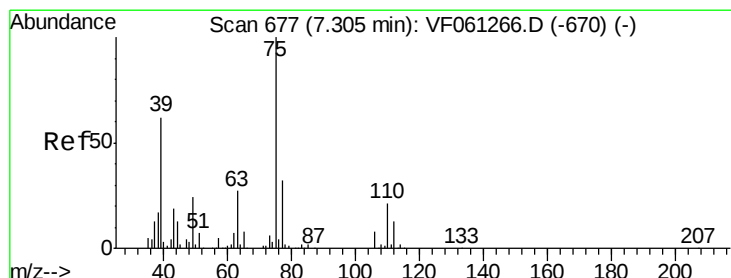
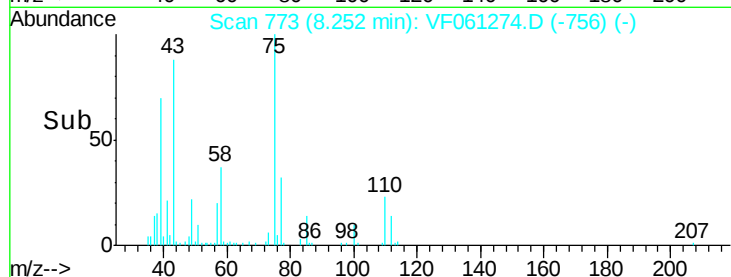
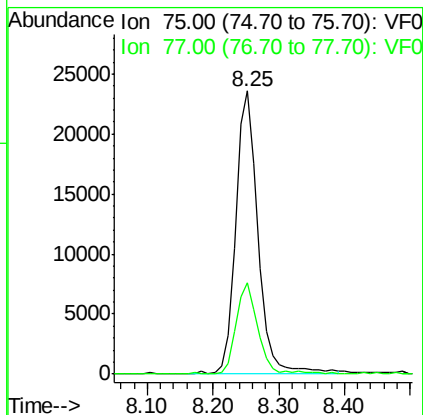
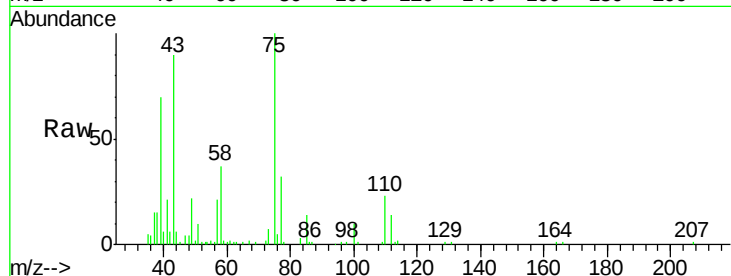
77 32.1 26.8 40.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.836 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

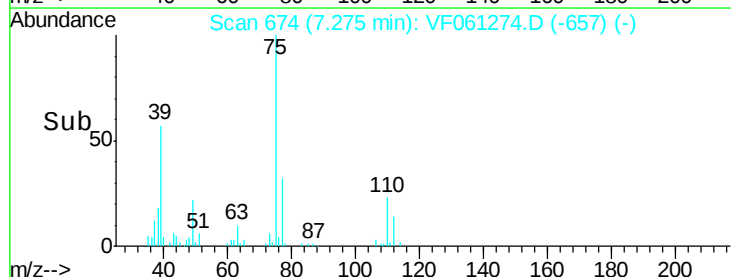
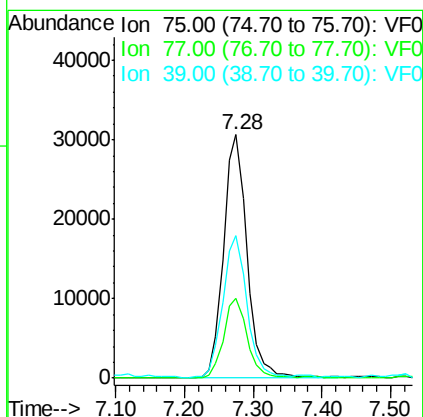
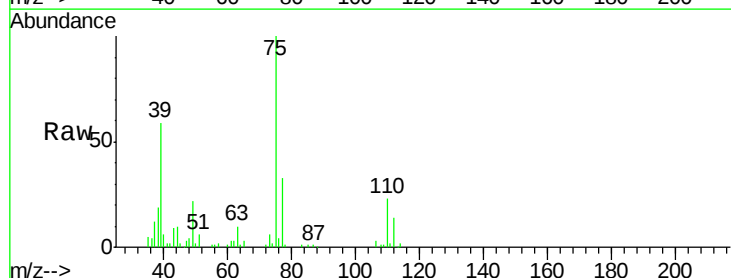
Tgt Ion: 75 Resp: 72638

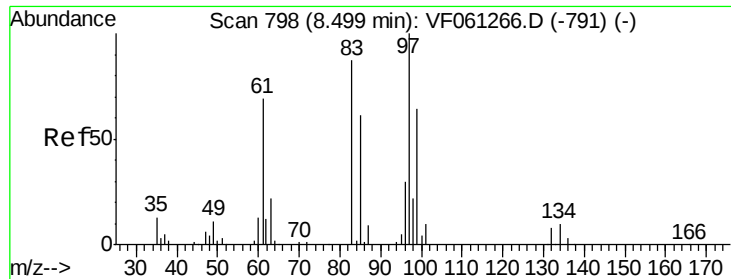
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

39 58.7 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 20.170 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

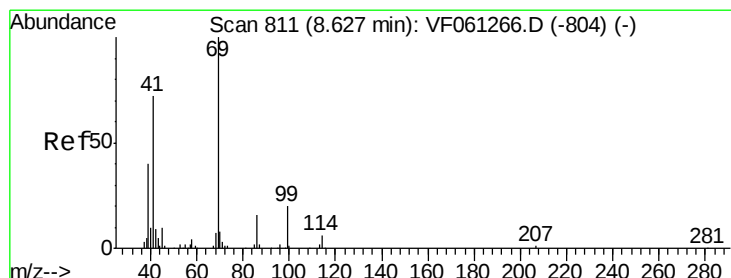
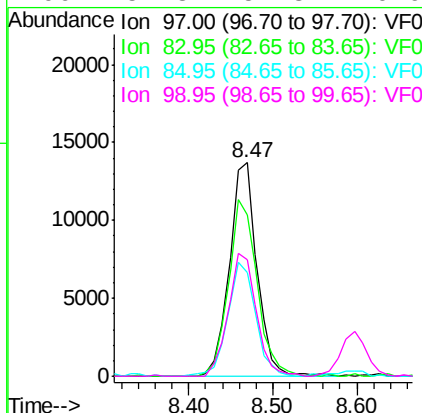
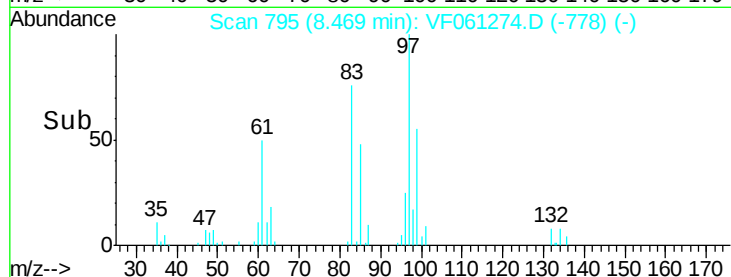
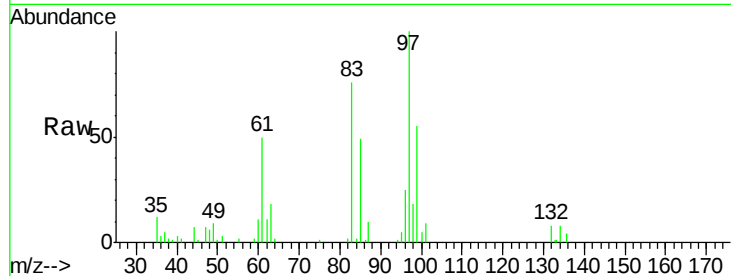
ClientSampleId :

VF0107SBS01

Tot Ion:	97	Resp:	31303
Ion	Ratio	Lower	Upper
97	100		
83	75.6	69.7	104.5
85	48.8	49.1	73.7#
99	54.8	51.3	76.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.485 ug/l

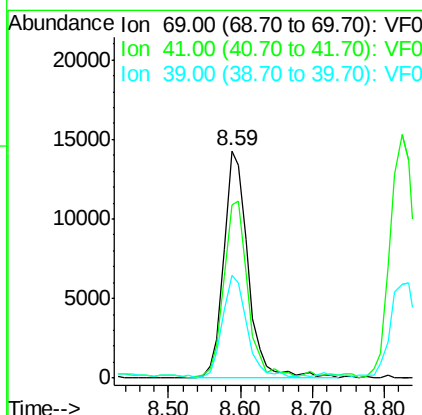
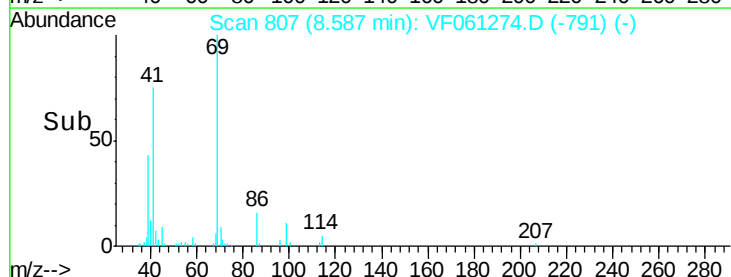
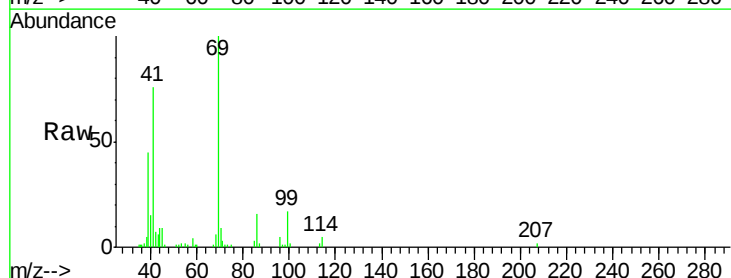
RT: 8.59 min Scan# 807

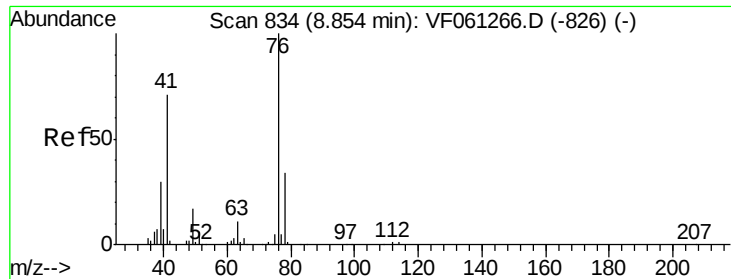
Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	69	Resp:	33419
Ion	Ratio	Lower	Upper
69	100		
41	76.1	58.1	87.1
39	45.1	32.6	49.0





#57

1,3-Dichloropropane

Concen: 19.011 ug/l

RT: 8.82 min Scan# 831

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 76 Resp: 55460

Ion Ratio Lower Upper

76 100

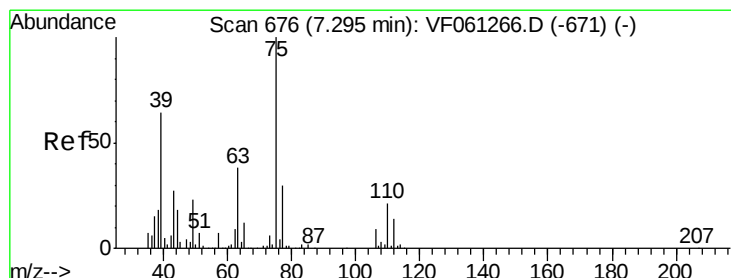
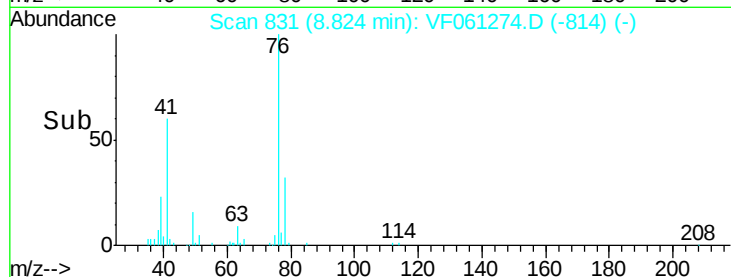
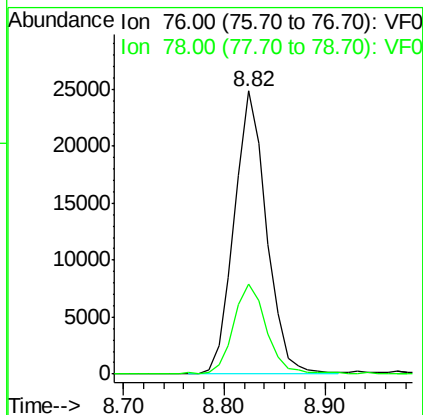
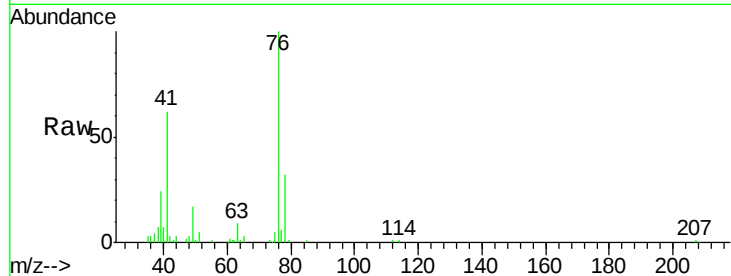
78 32.0 26.8 40.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 40.863 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.03 min

Lab File: VF061274.D

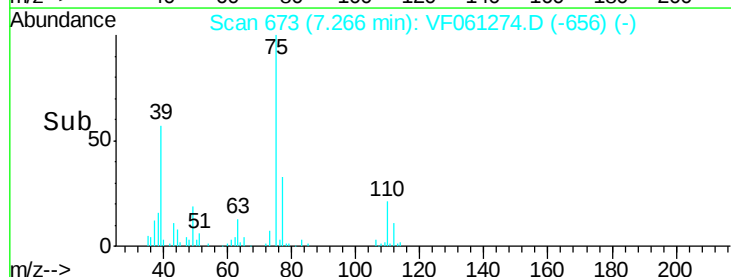
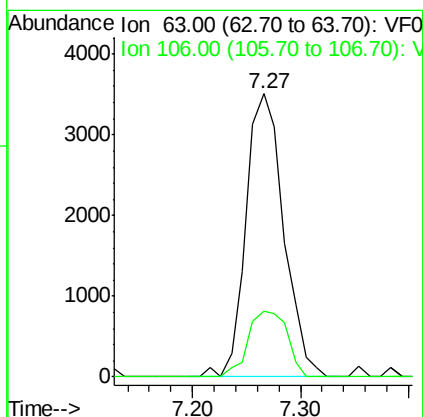
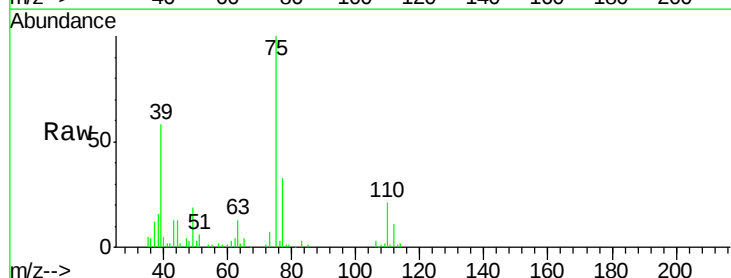
Acq: 7 Jan 2019 12:47

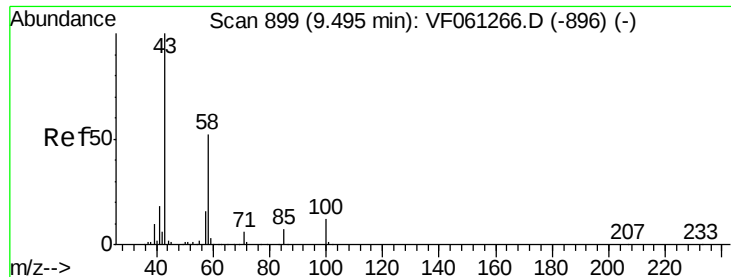
Tgt Ion: 63 Resp: 8511

Ion Ratio Lower Upper

63 100

106 23.2 19.2 28.8





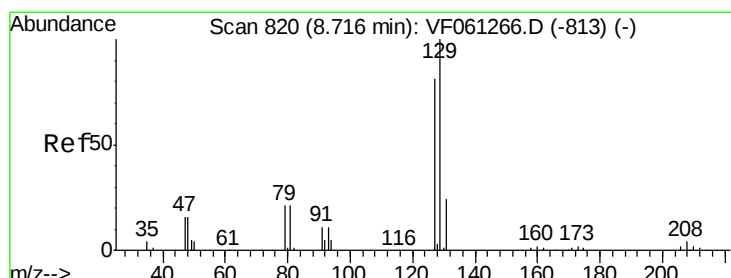
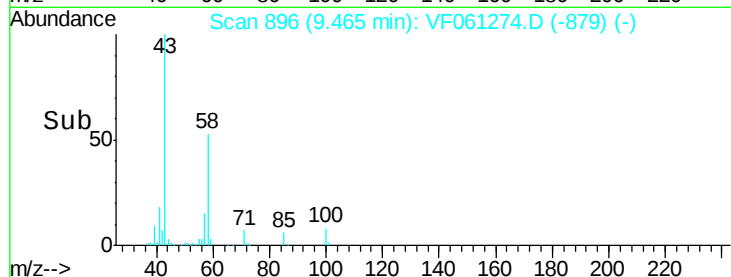
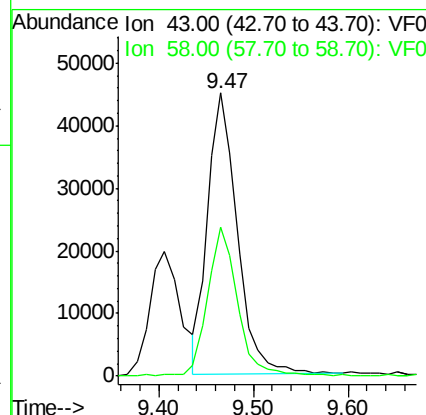
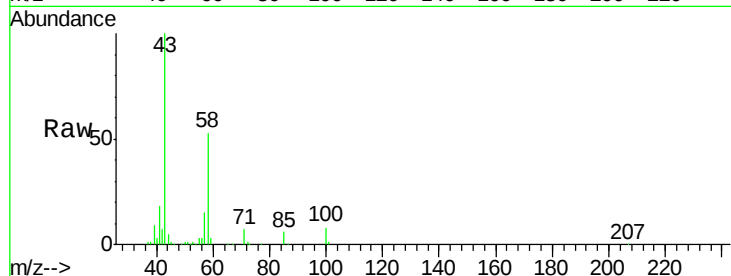
#59
2-Hexanone
Concen: 100.985 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion: 43 Resp: 98512
Ion Ratio Lower Upper
43 100
58 52.8 24.4 73.4

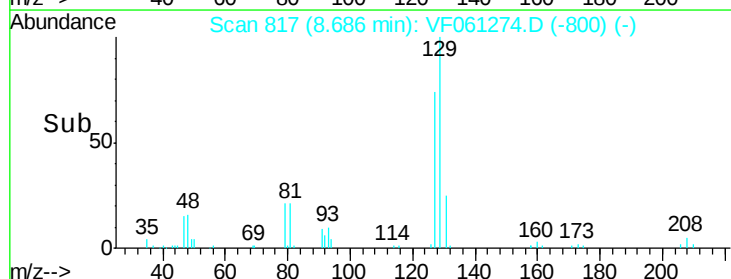
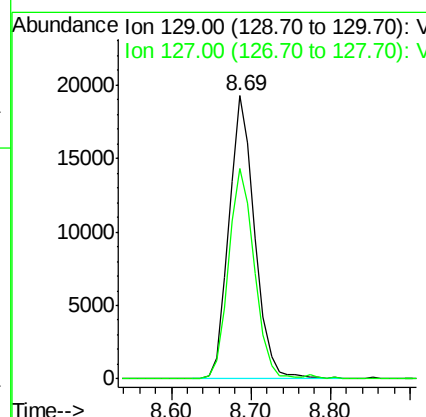
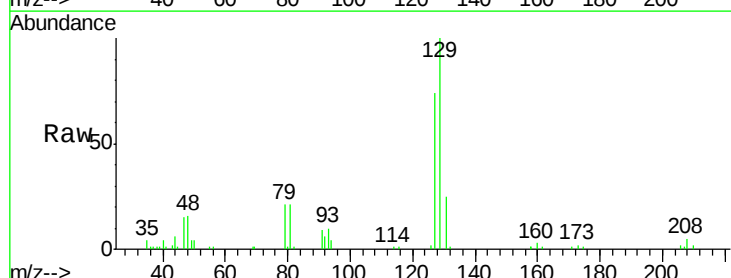
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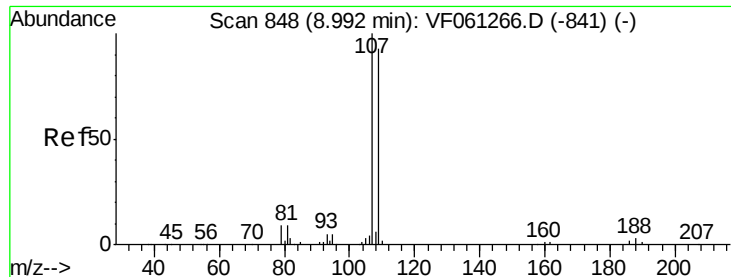
MMDadoda
1/8/2019 12:57:59 PM



#60
Dibromochloromethane
Concen: 19.915 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 129 Resp: 43900
Ion Ratio Lower Upper
129 100
127 74.1 40.7 122.1





#61

1,2-Dibromoethane

Concen: 18.870 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion:107 Resp: 31606

Ion Ratio Lower Upper

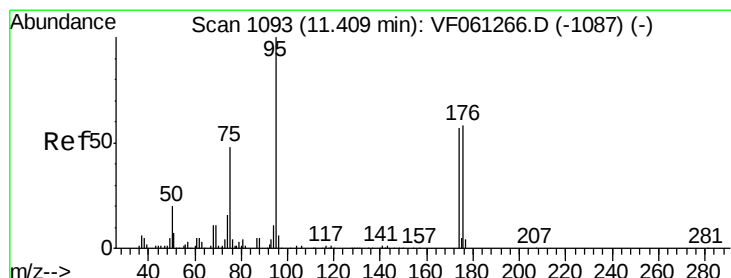
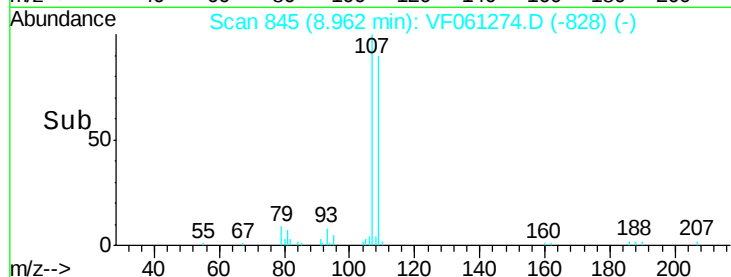
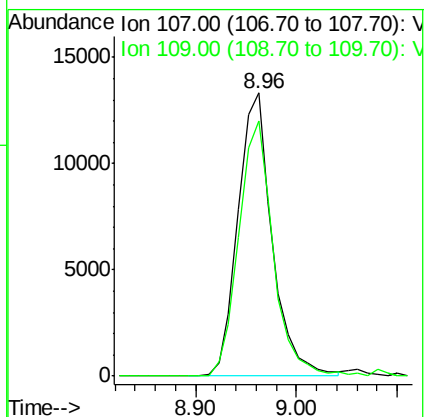
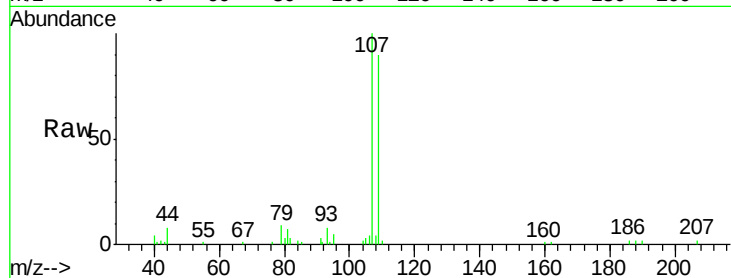
107 100

109 90.3 74.2 111.4

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#62

4-Bromofluorobenzene

Concen: 49.563 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

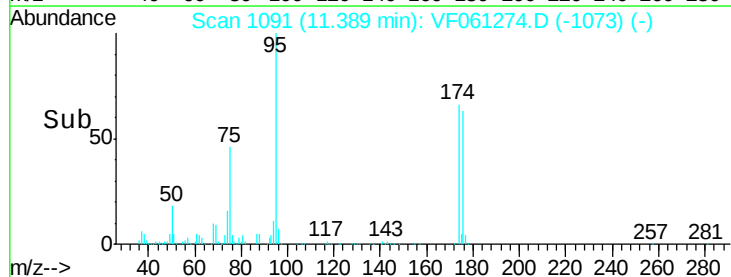
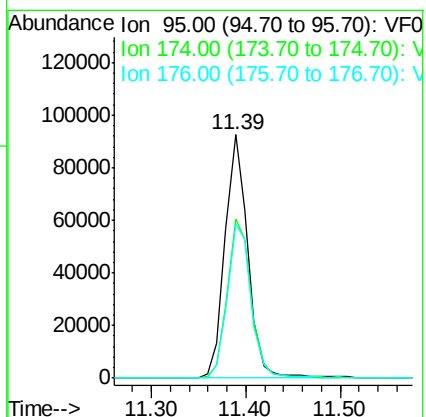
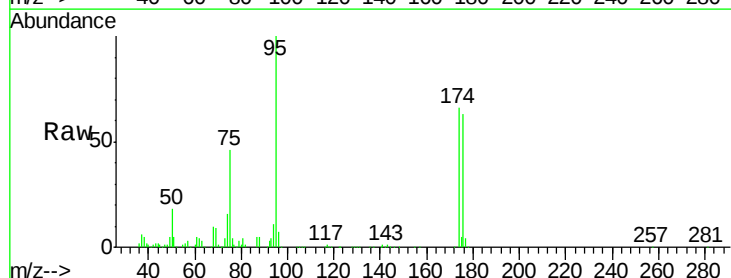
Tgt Ion: 95 Resp: 155027

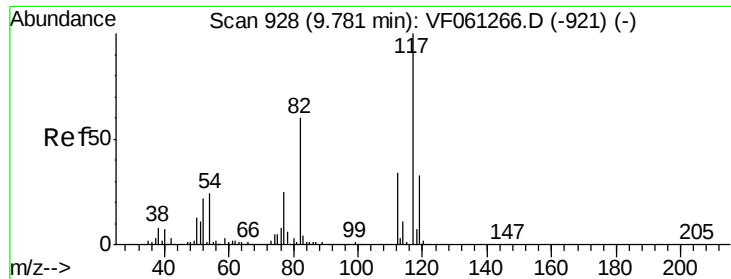
Ion Ratio Lower Upper

95 100

174 65.6 0.0 113.2

176 63.2 0.0 115.6





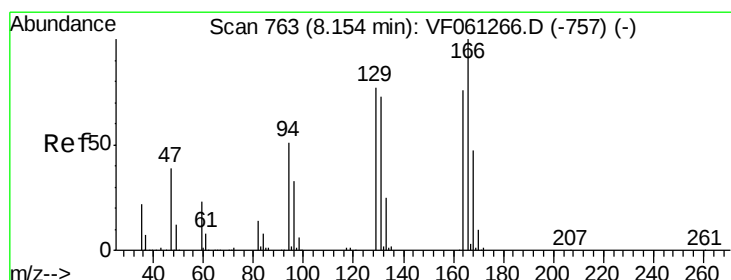
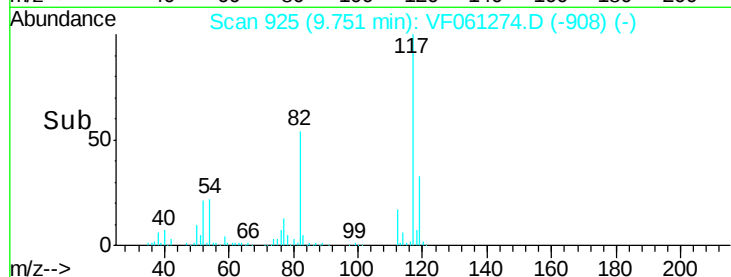
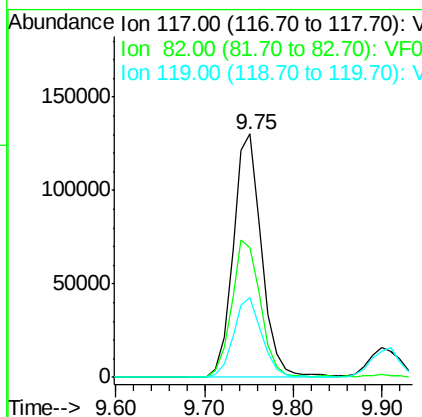
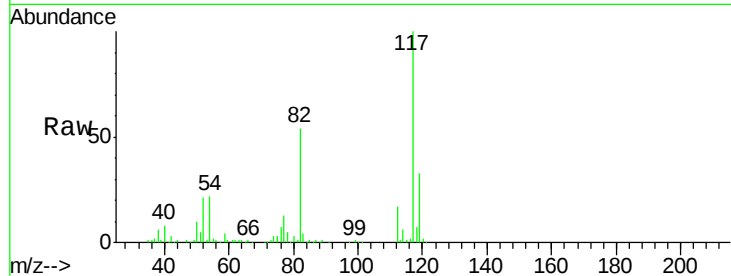
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290032		
82	53.5		47.8	71.6
119	32.9		26.1	39.1

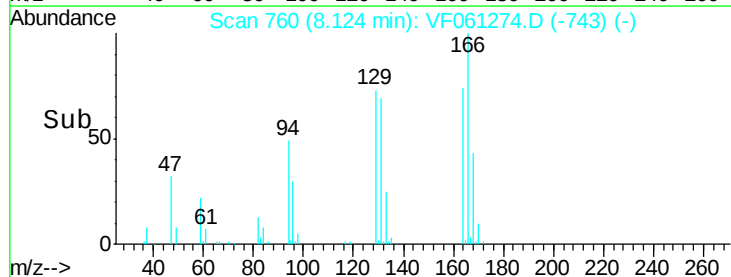
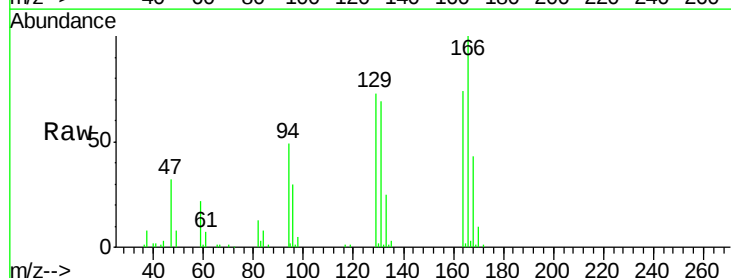
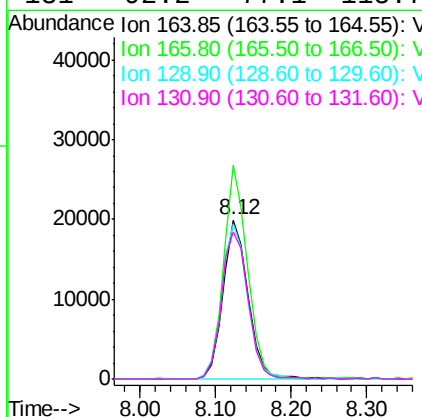
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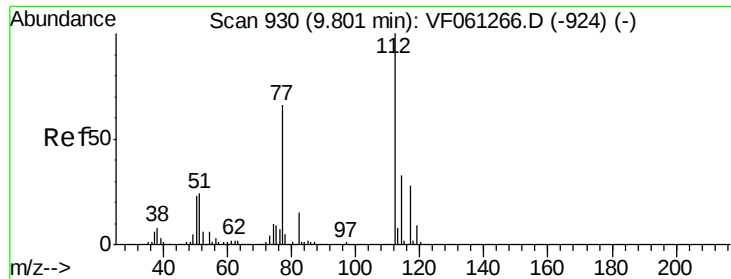
MMDadoda
1/8/2019 12:57:59 PM



#64
Tetrachloroethene
Concen: 20.560 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45699		
166	134.3		105.1	157.7
129	97.6		81.0	121.6
131	92.2		77.1	115.7





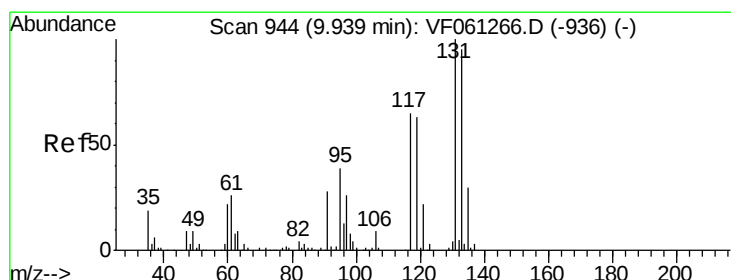
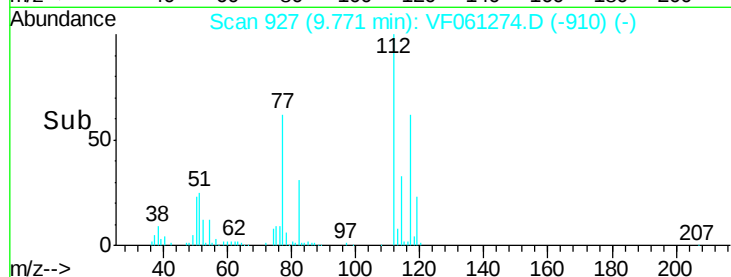
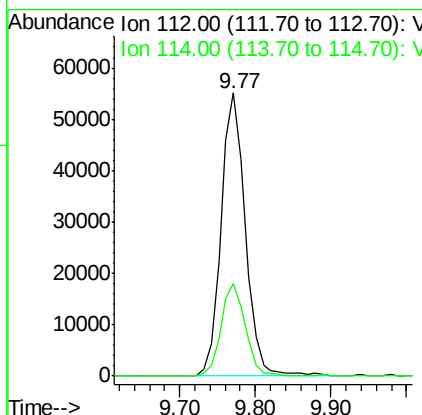
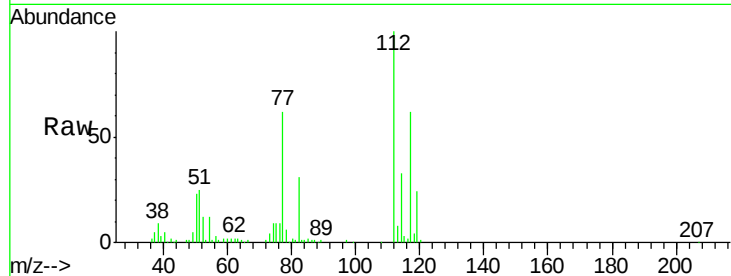
#65
Chlorobenzene
Concen: 20.868 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.4	39.6

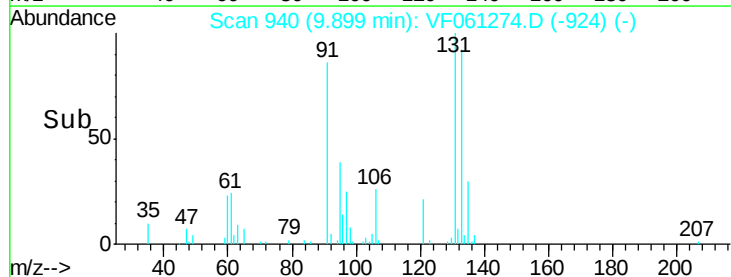
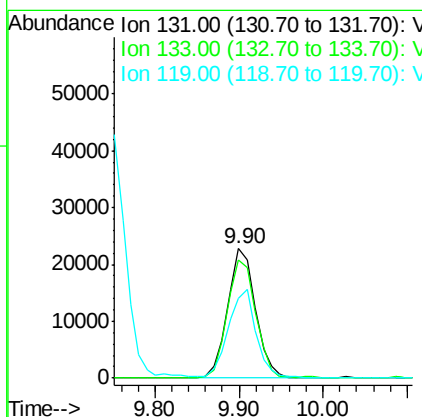
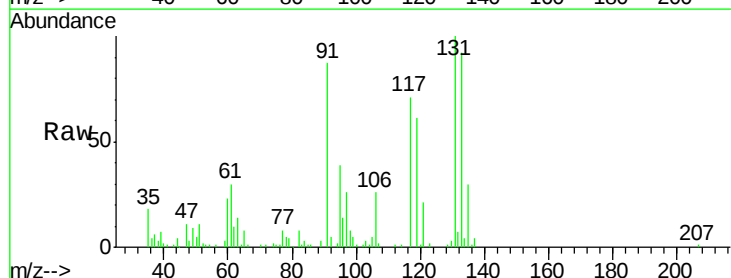
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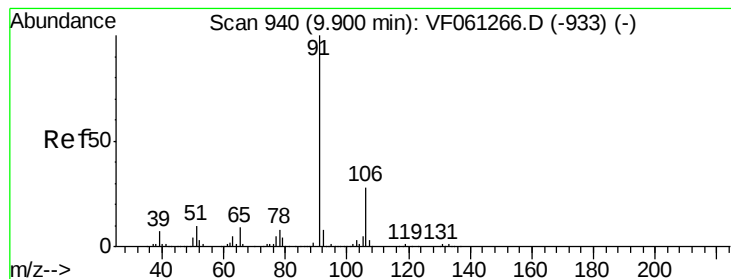
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.745 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.04 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.5	47.5	142.5
119	61.1	32.2	96.6





#67

Ethyl Benzene

Concen: 22.328 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 91 Resp: 242062

Ion Ratio Lower Upper

91 100

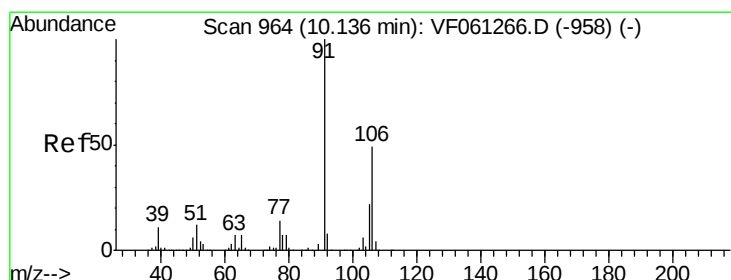
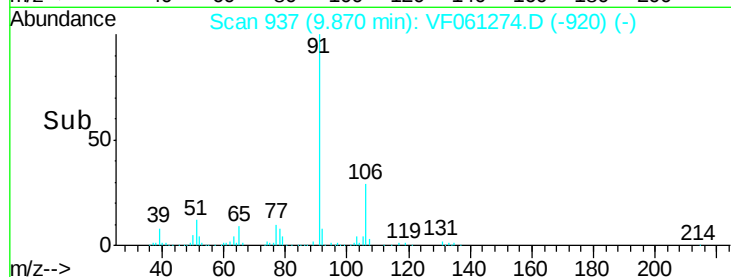
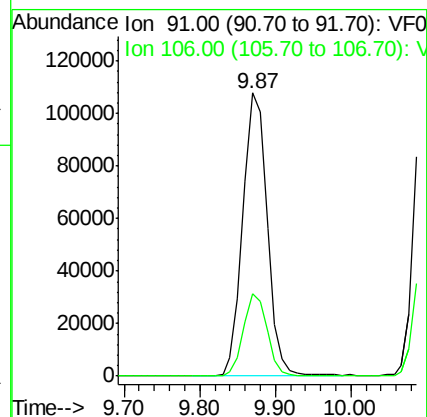
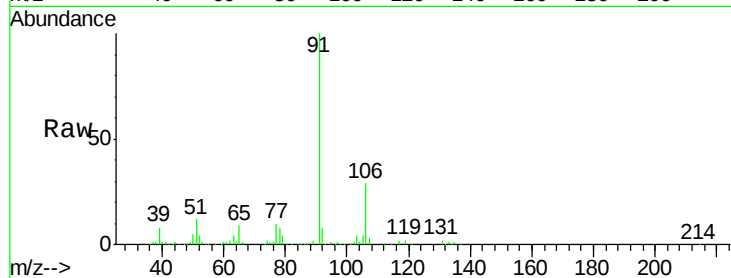
106 29.2 22.8 34.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.126 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061274.D

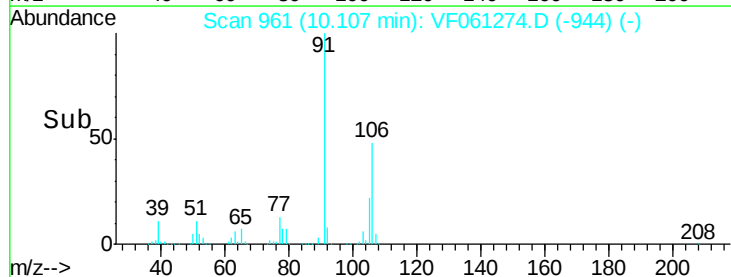
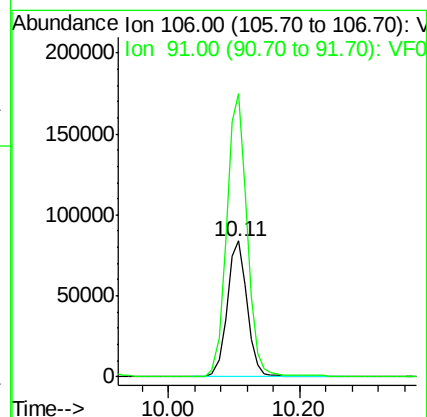
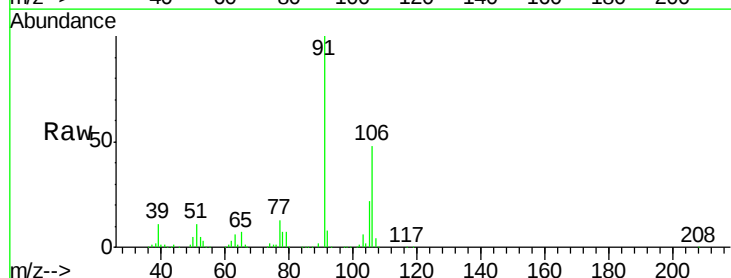
Acq: 7 Jan 2019 12:47

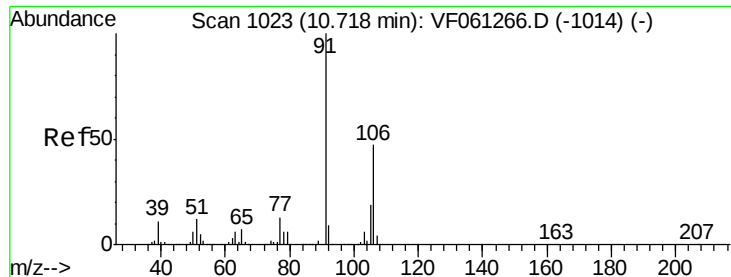
Tgt Ion: 106 Resp: 178541

Ion Ratio Lower Upper

106 100

91 208.2 164.8 247.2





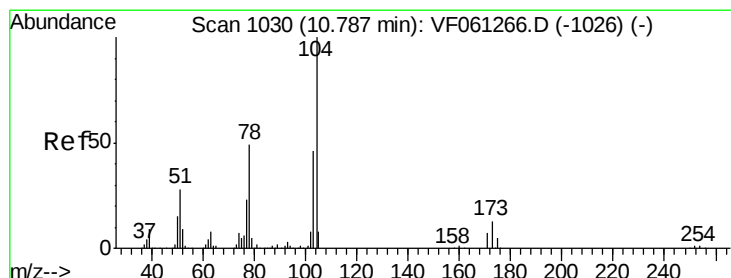
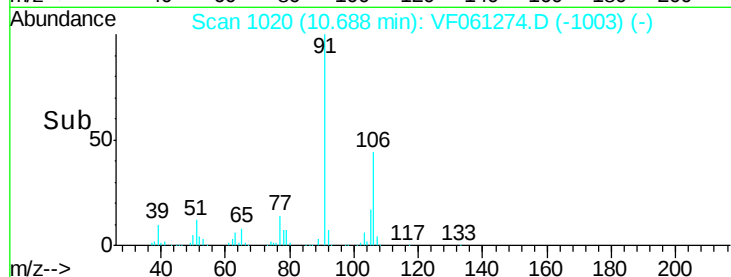
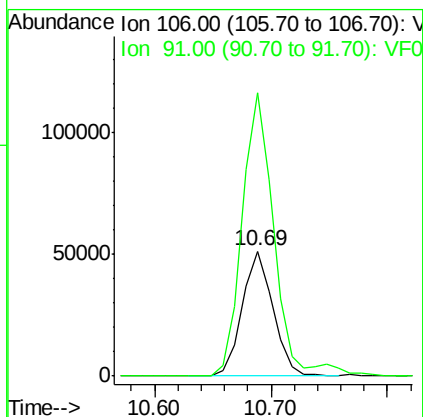
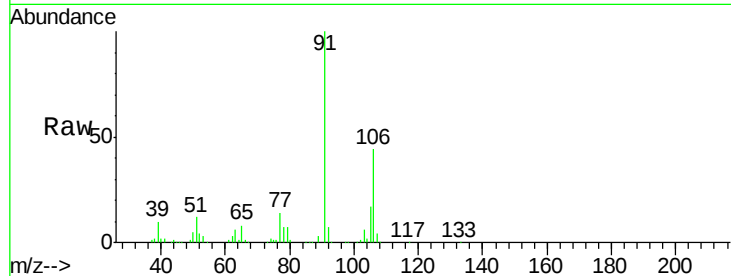
#69
o-Xylene
Concen: 22.053 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion:106 Resp: 94387
Ion Ratio Lower Upper
106 100
91 226.7 106.2 318.5

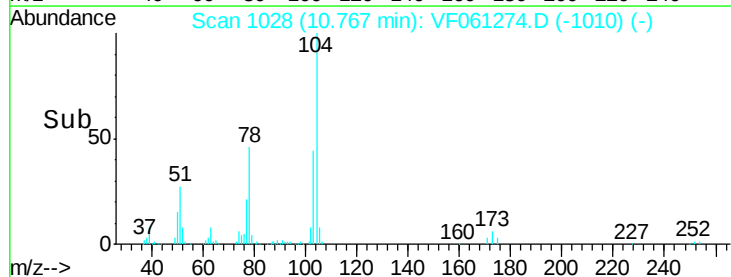
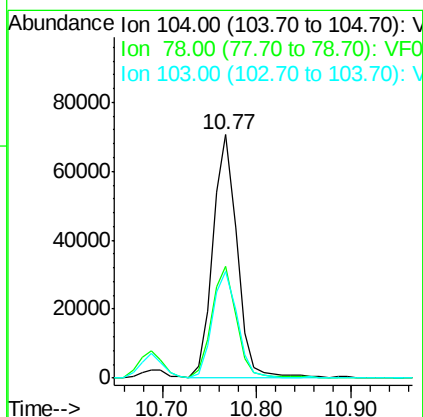
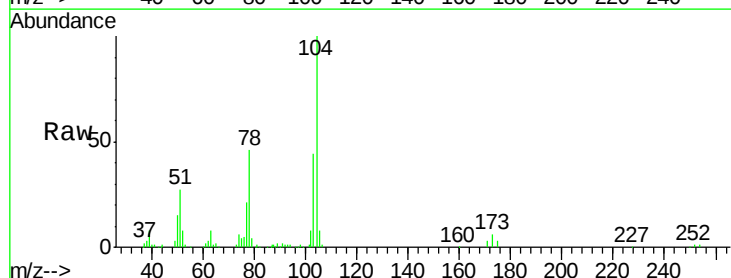
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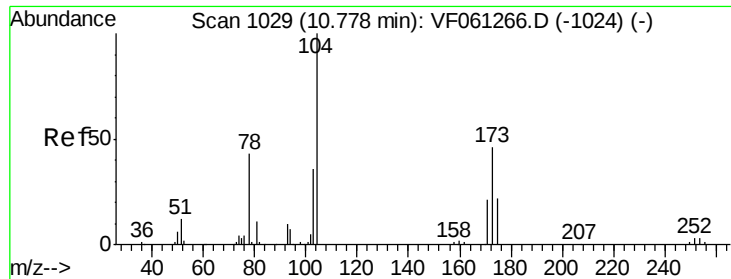
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#70
Styrene
Concen: 21.178 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion:104 Resp: 124777
Ion Ratio Lower Upper
104 100
78 46.1 39.3 58.9
103 43.8 37.3 55.9





#71

Bromoform

Concen: 18.938 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion:173 Resp: 21354

Ion Ratio Lower Upper

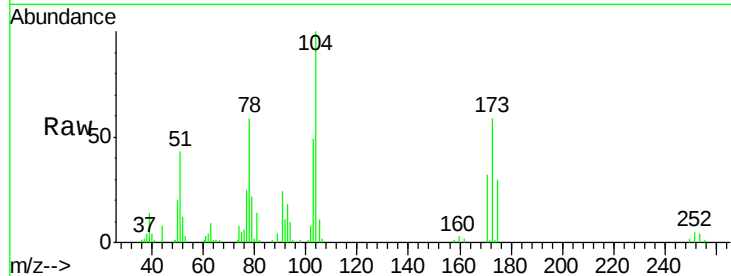
173 100

175 49.8 24.6 73.6

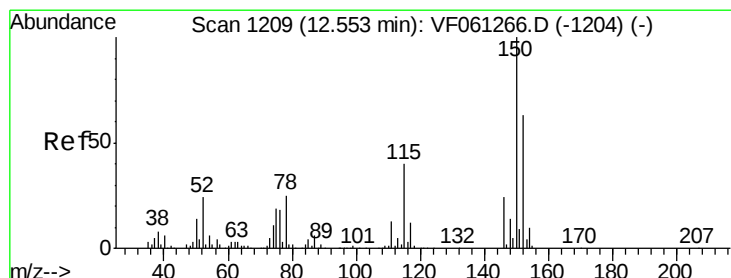
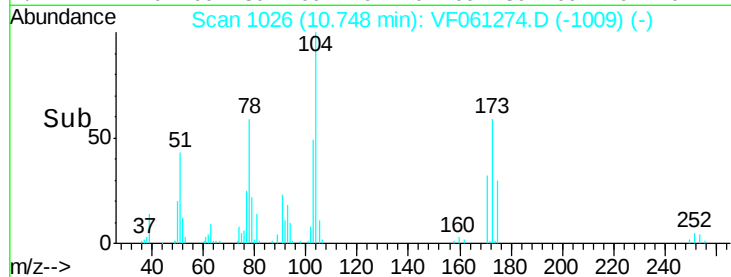
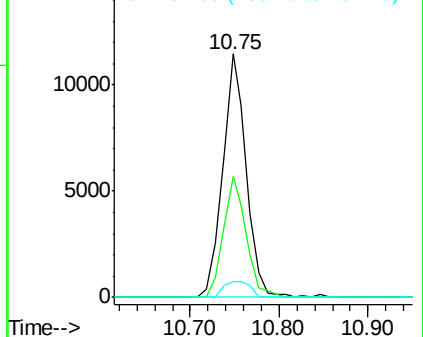
254 6.6 5.3 7.9

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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

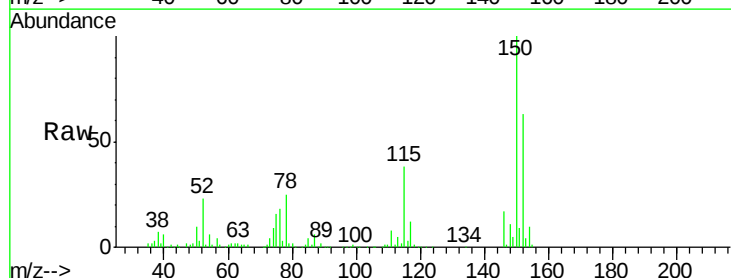
Tgt Ion:152 Resp: 141446

Ion Ratio Lower Upper

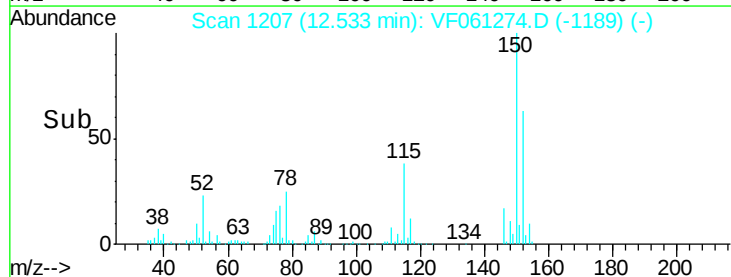
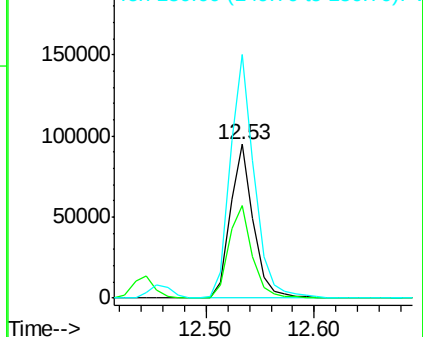
152 100

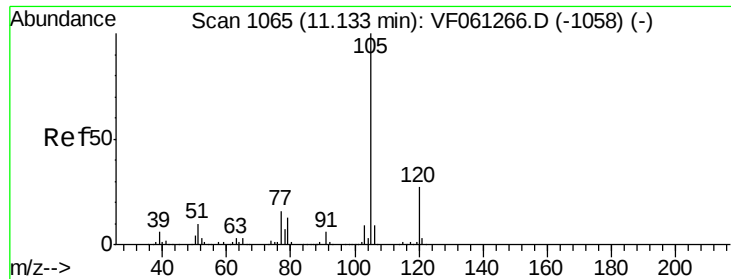
115 60.1 31.6 94.7

150 158.4 0.0 320.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.574 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion:105 Resp: 295259

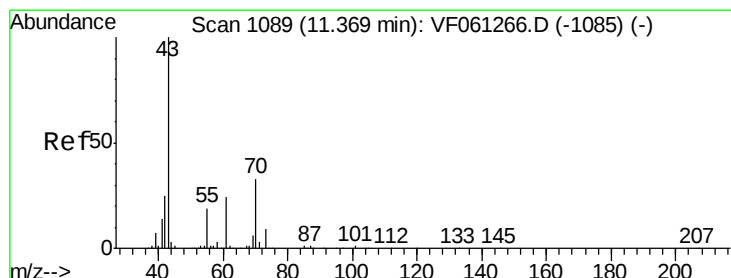
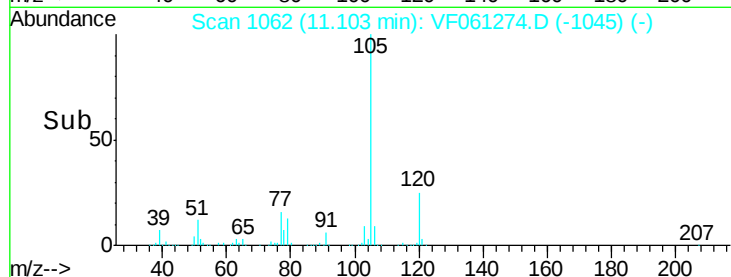
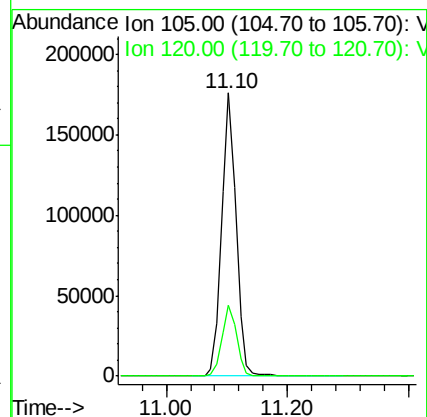
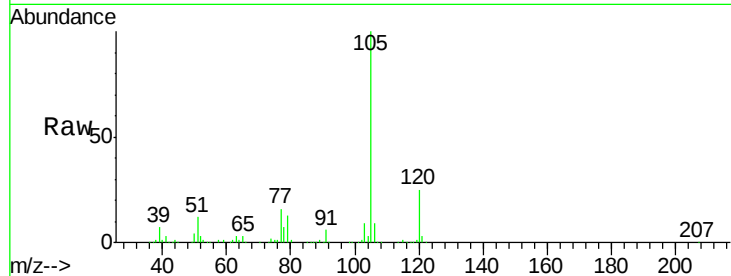
Ion Ratio Lower Upper

105 100

120 25.1 13.4 40.1

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#74

N-ethyl acetate

Concen: 20.803 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion: 43 Resp: 63104

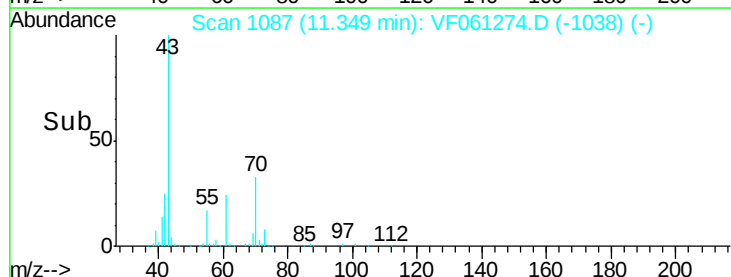
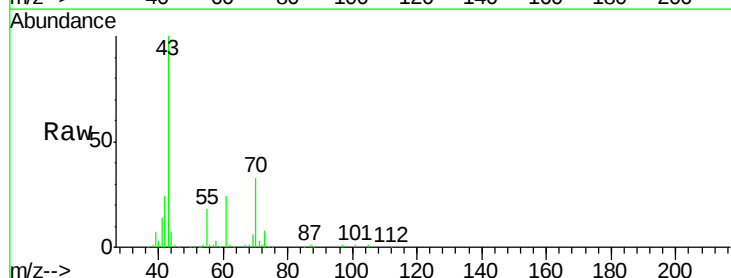
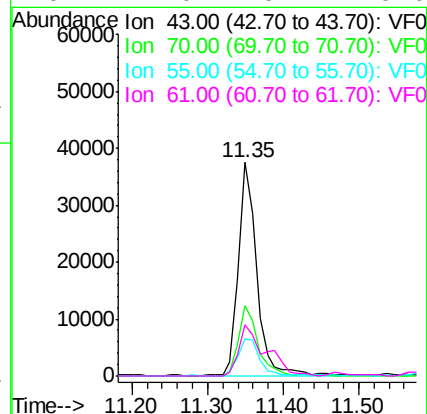
Ion Ratio Lower Upper

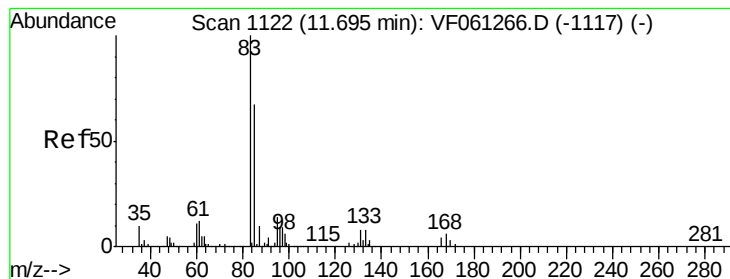
43 100

70 33.0 26.7 40.1

55 17.7 15.4 23.0

61 24.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.296 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

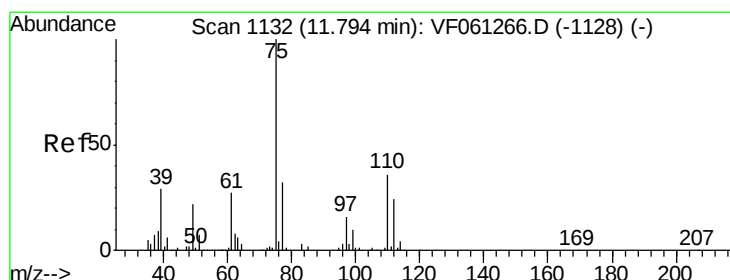
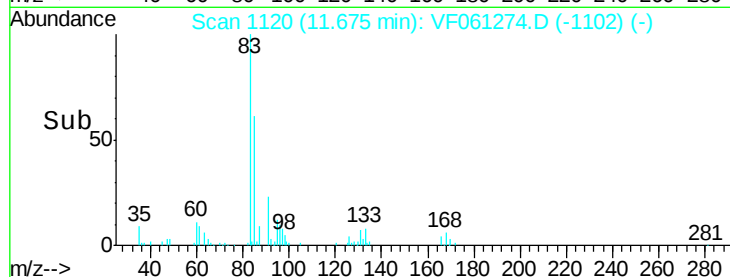
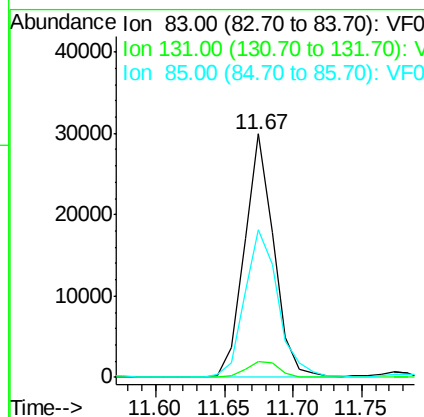
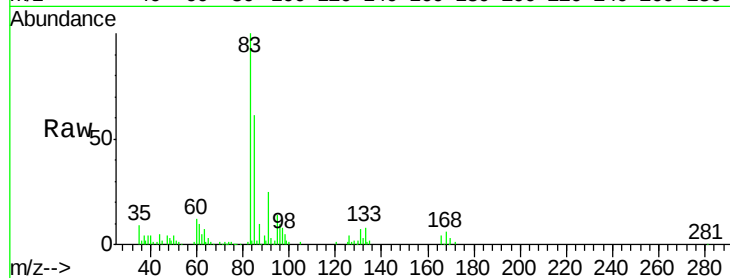
ClientSampleId :

VF0107SBS01

Tot Ion:	83	Resp:	44693
Ion Ratio	Lower	Upper	
83	100		
131	6.5	4.0	12.0
85	60.5	33.6	100.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.211 ug/l

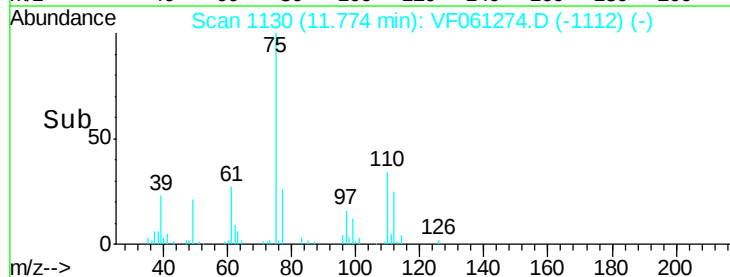
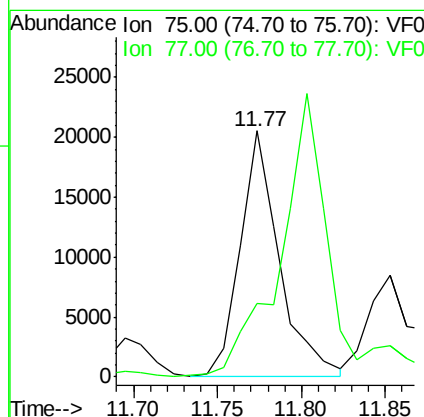
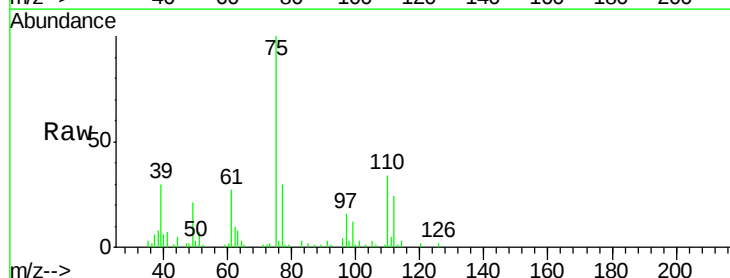
RT: 11.77 min Scan# 1130

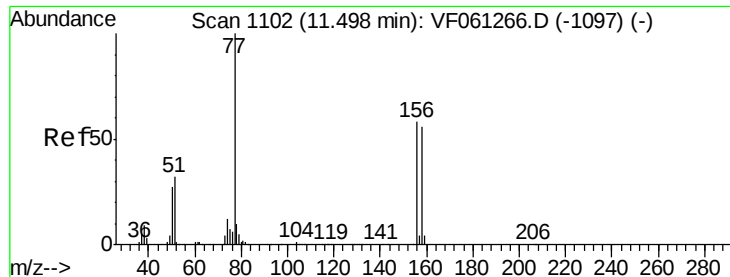
Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	75	Resp:	33046
Ion Ratio	Lower	Upper	
75	100		
77	29.7	15.9	47.7





#77

Bromobenzene

Concen: 20.938 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

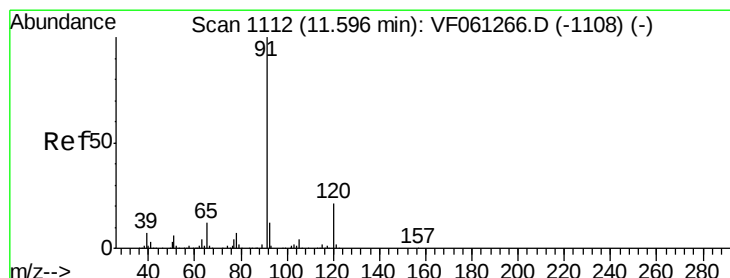
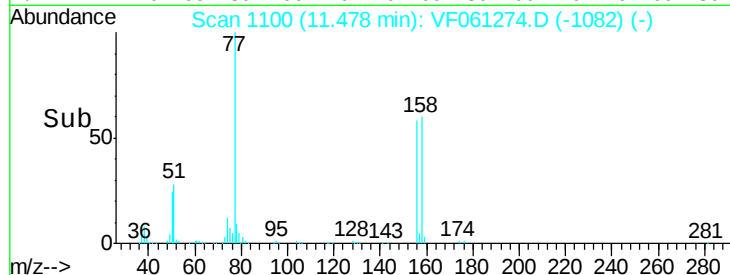
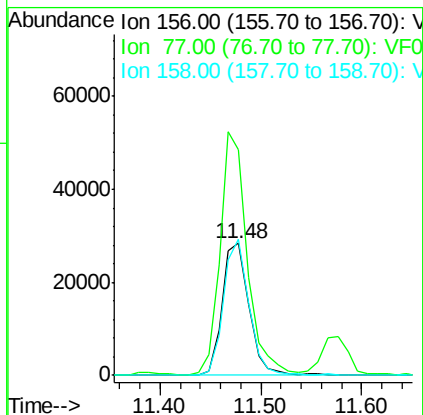
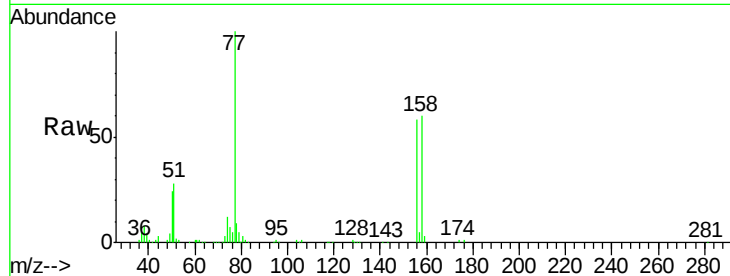
ClientSampleId :

VF0107SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.2	85.8	257.3
158	102.9	47.6	142.8

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#78

n-propylbenzene

Concen: 23.843 ug/l

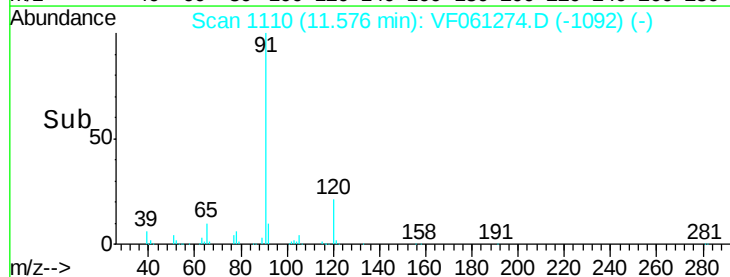
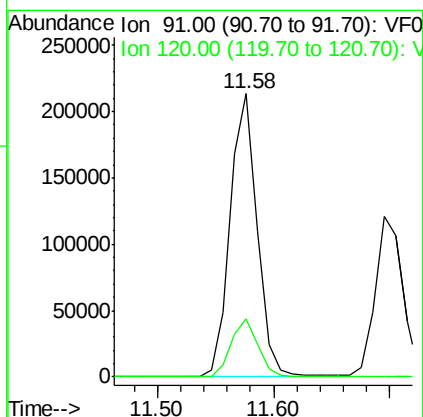
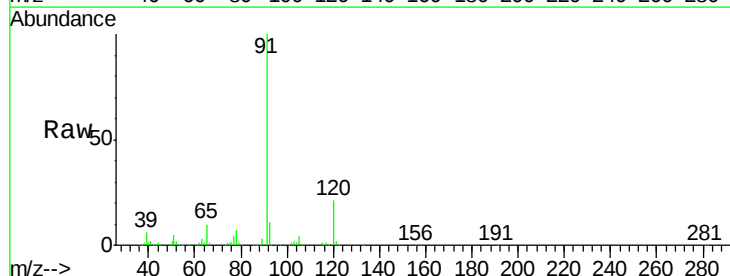
RT: 11.58 min Scan# 1110

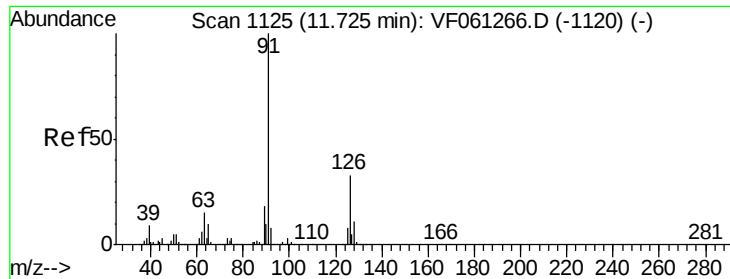
Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.6	31.8





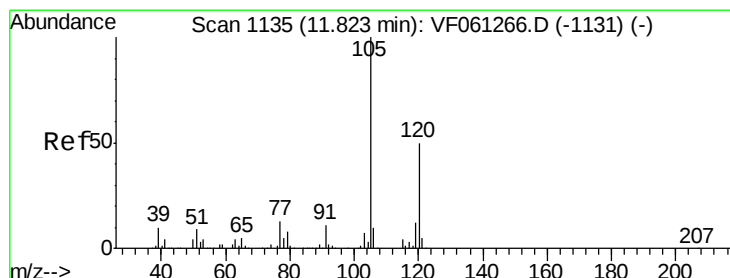
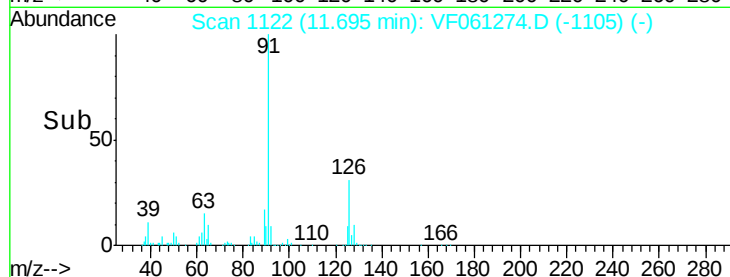
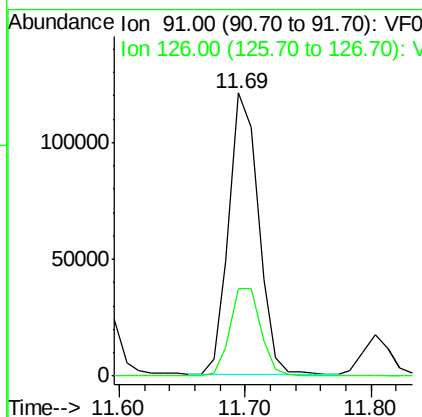
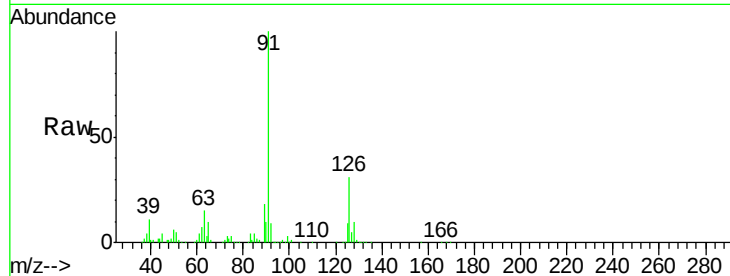
#79
 2-Chlorotoluene
 Concen: 23.905 ug/l
 RT: 11.69 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion: 91 Resp: 197720
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.3 48.8

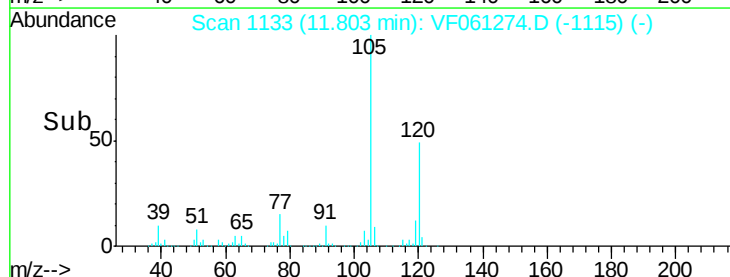
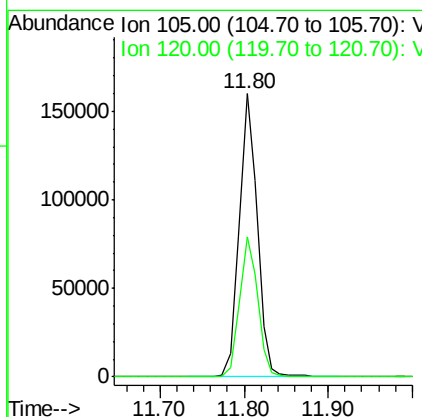
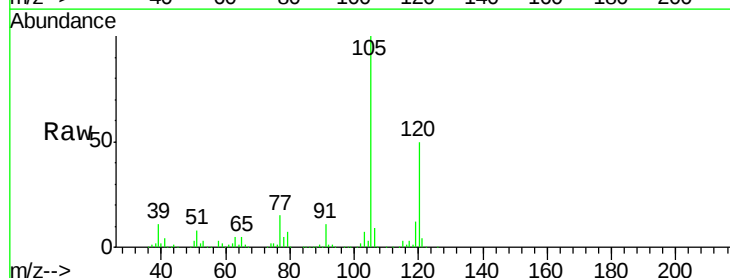
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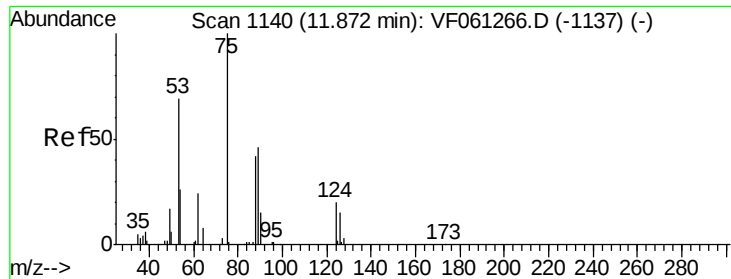
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.604 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion: 105 Resp: 238653
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.530 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

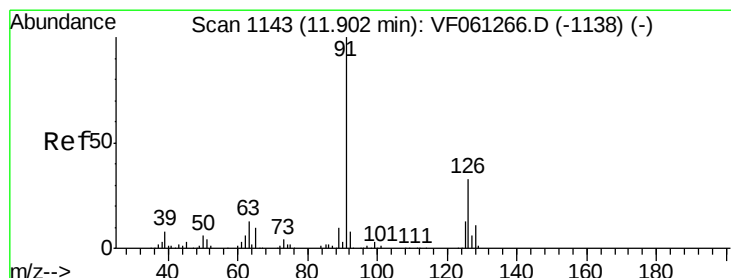
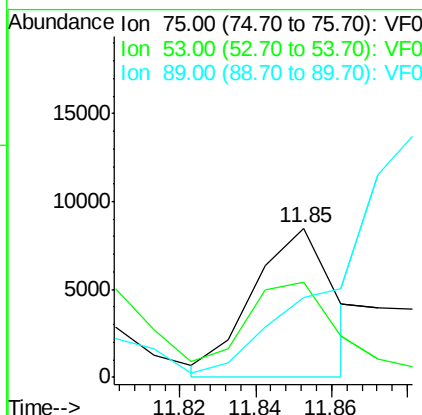
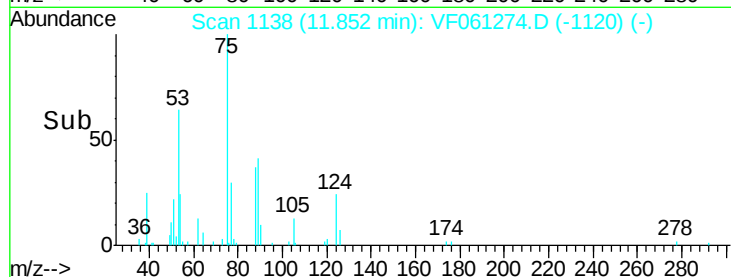
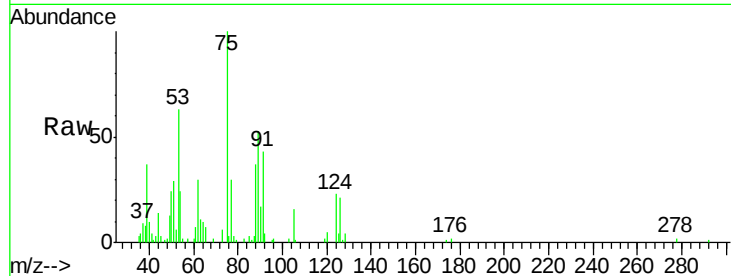
ClientSampleId :

VF0107SBS01

Tot Ion:	75	Resp:	12517
Ion	Ratio	Lower	Upper
75	100		
53	63.5	61.7	92.5
89	53.1	40.3	60.5

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#82

4-Chlorotoluene

Concen: 23.653 ug/l

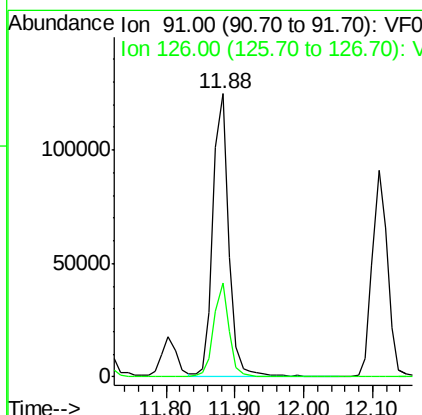
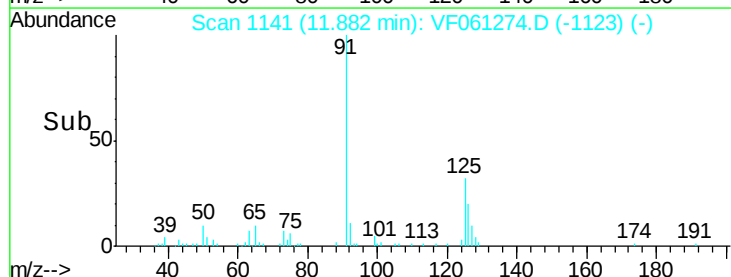
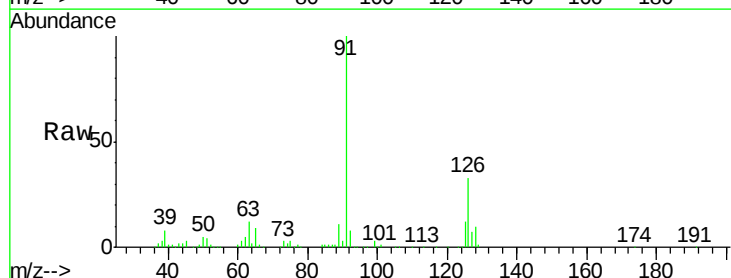
RT: 11.88 min Scan# 1141

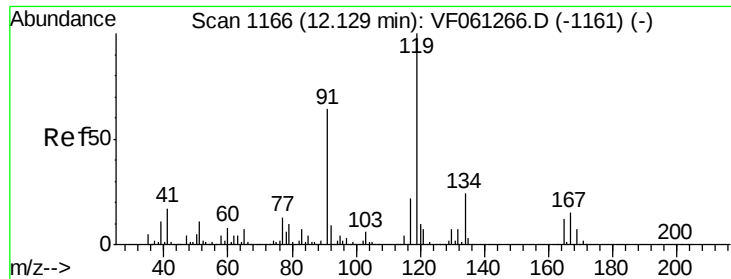
Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	91	Resp:	198319
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 22.925 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

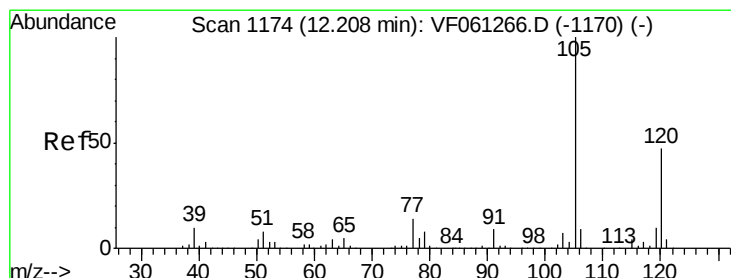
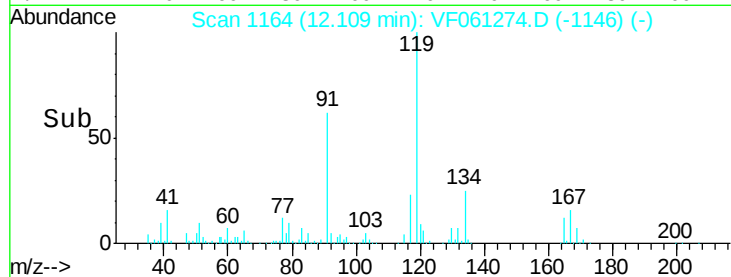
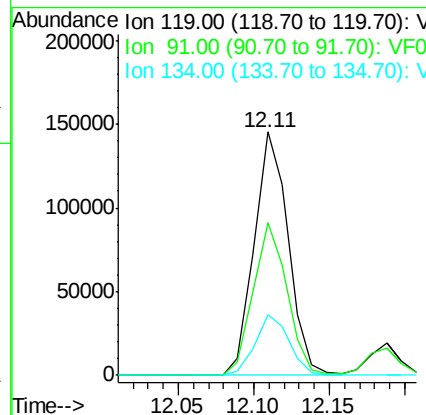
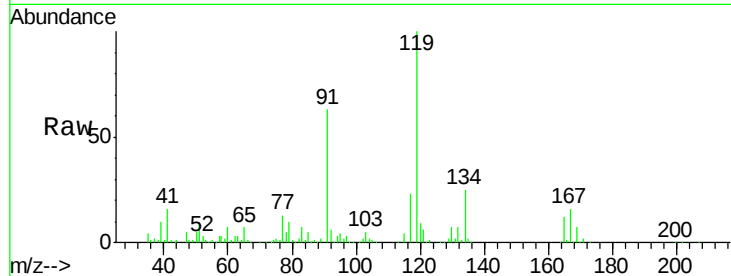
ClientSampleId :

VF0107SBS01

Tot Ion:	119	Resp:	229270
Ion Ratio	Lower	Upper	
119	100		
91	62.7	32.0	96.0
134	24.6	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 23.770 ug/l

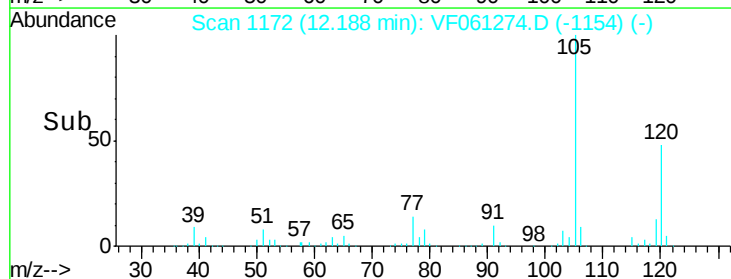
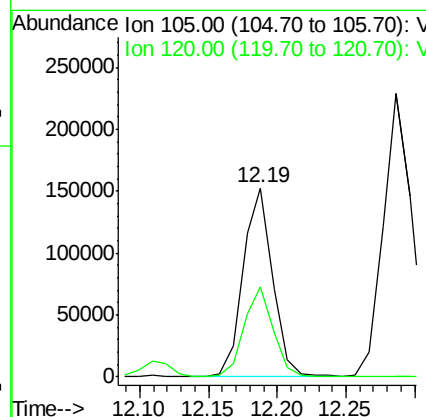
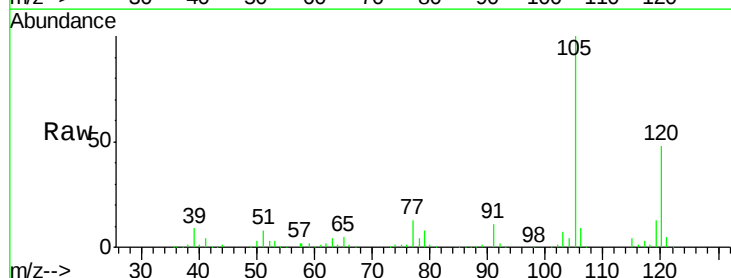
RT: 12.19 min Scan# 1172

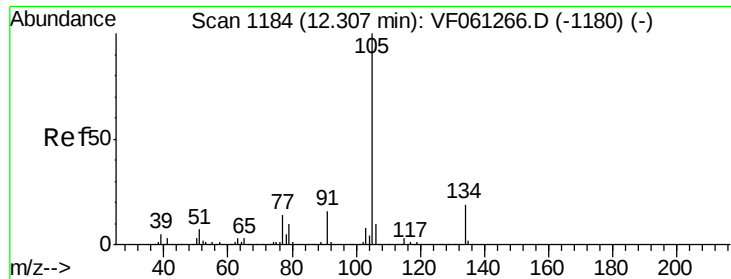
Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion:	105	Resp:	229530
Ion Ratio	Lower	Upper	
105	100		
120	48.0	23.3	69.9





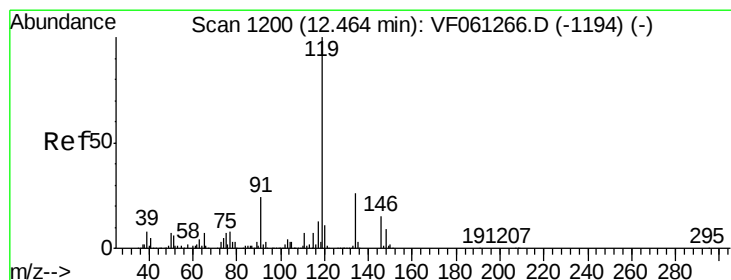
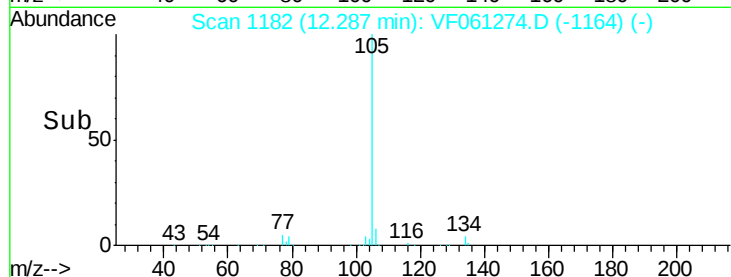
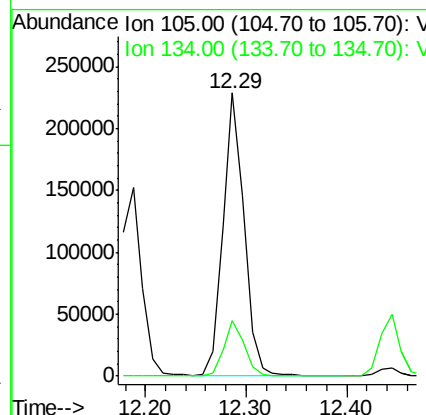
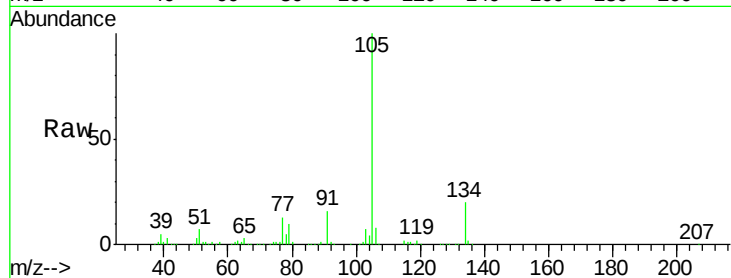
#85
 sec-Butylbenzene
 Concen: 24.543 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	332943		
134	19.7	9.4	28.2	

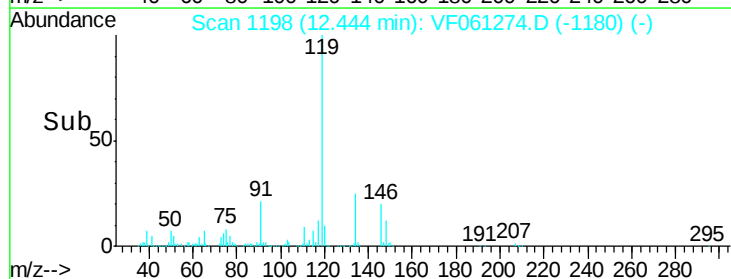
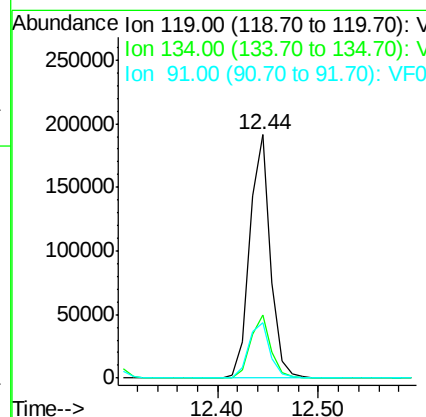
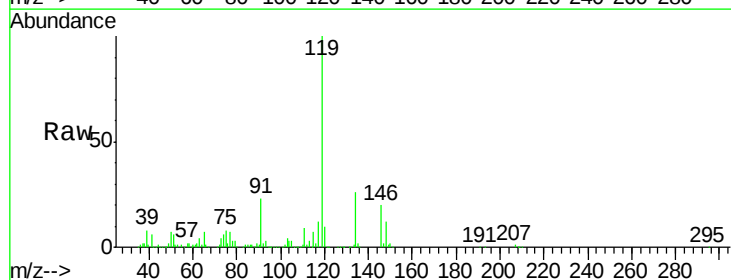
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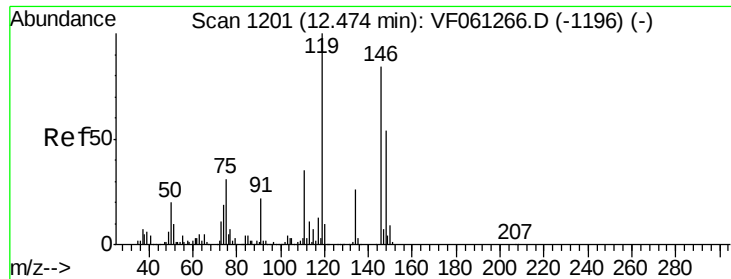
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#86
 p-Isopropyltoluene
 Concen: 24.382 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	272537		
134	25.9	13.2	39.6	
91	22.9	11.9	35.7	





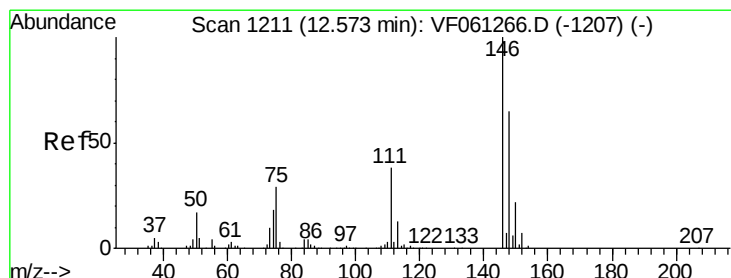
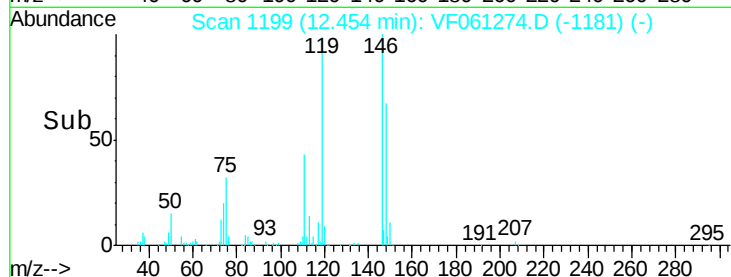
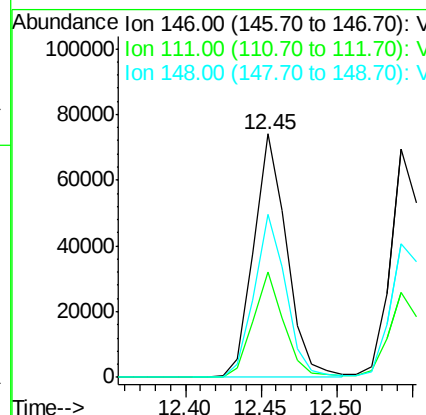
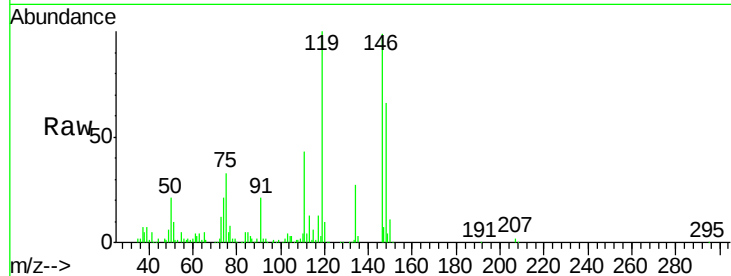
#87
 1,3-Dichlorobenzene
 Concen: 23.230 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.9	62.8
148	67.1	32.5	97.4

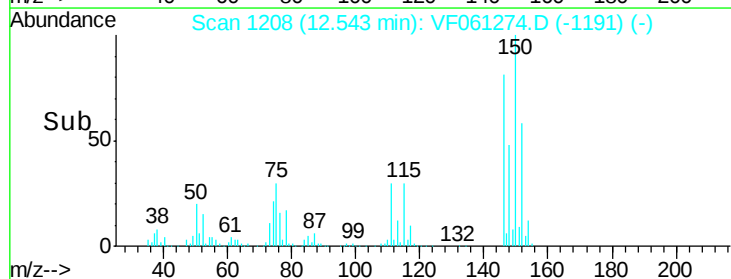
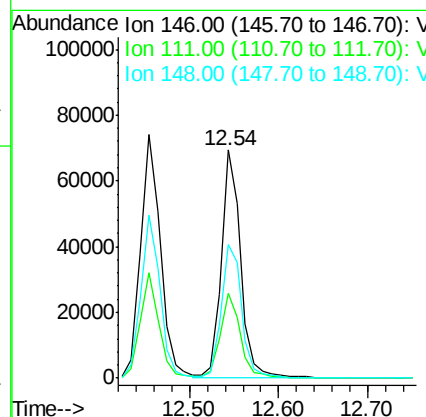
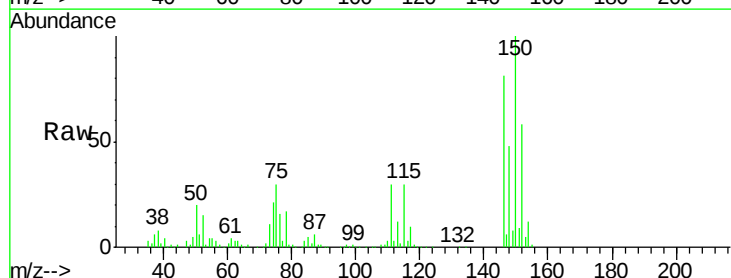
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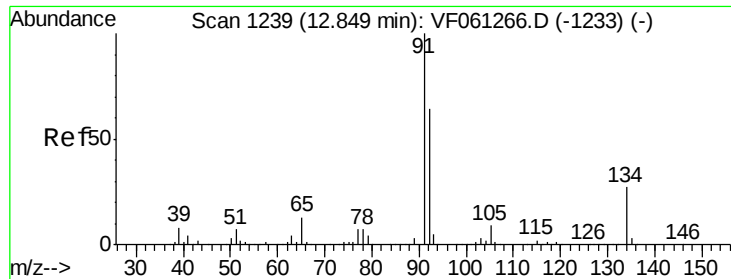
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#88
 1,4-Dichlorobenzene
 Concen: 22.083 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	58.4	32.6	98.0





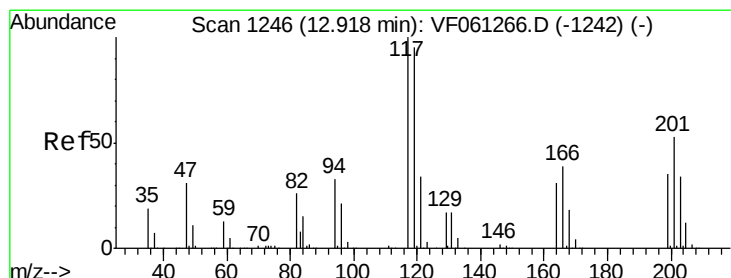
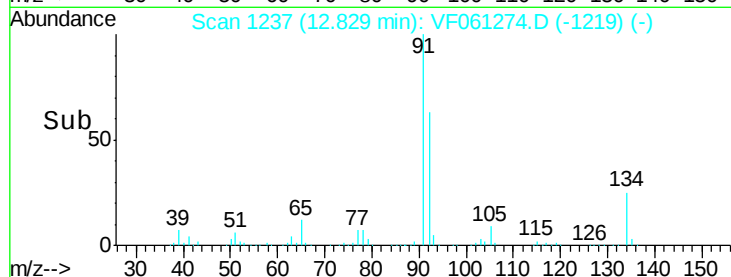
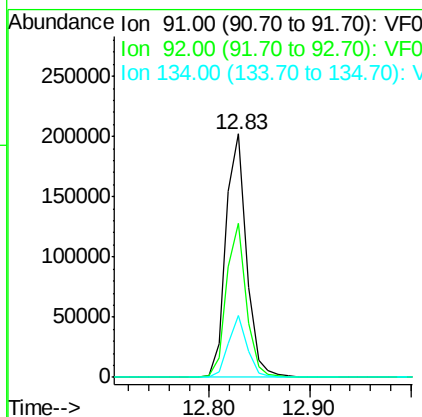
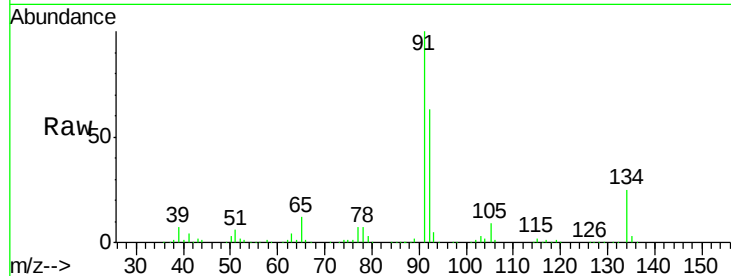
#89
n-Butylbenzene
Concen: 25.137 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	287204		
92	63.2		31.9	95.7
134	25.2		13.6	40.7

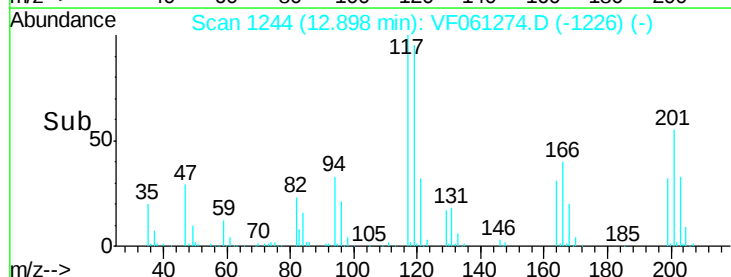
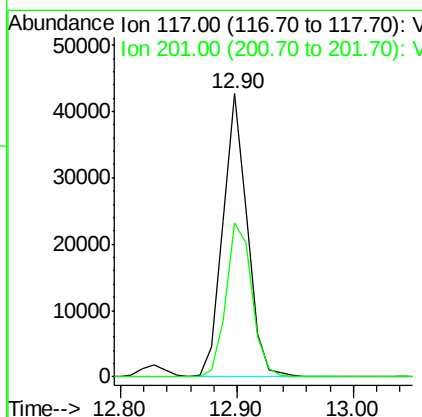
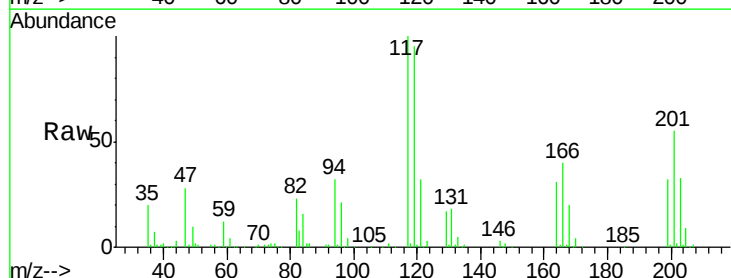
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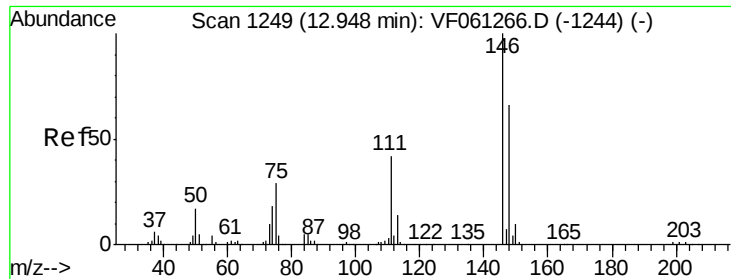
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#90
Hexachloroethane
Concen: 22.494 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62031		
201	54.6		26.6	79.7





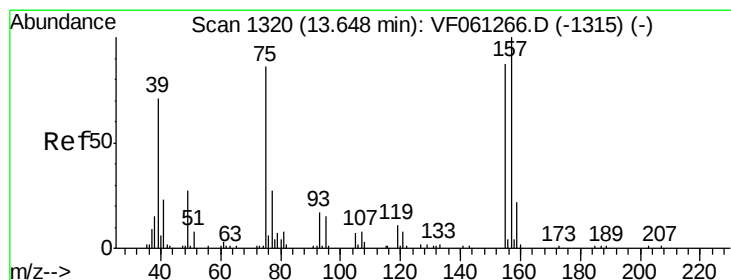
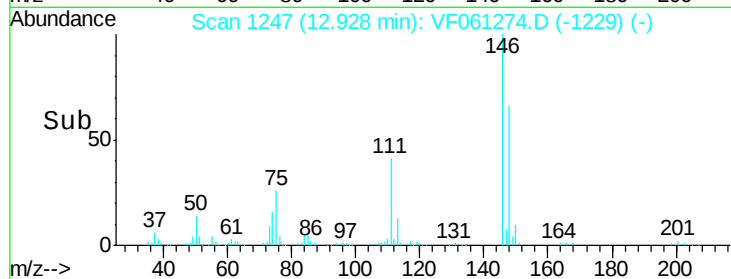
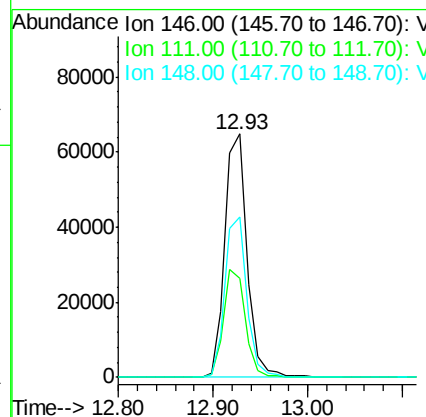
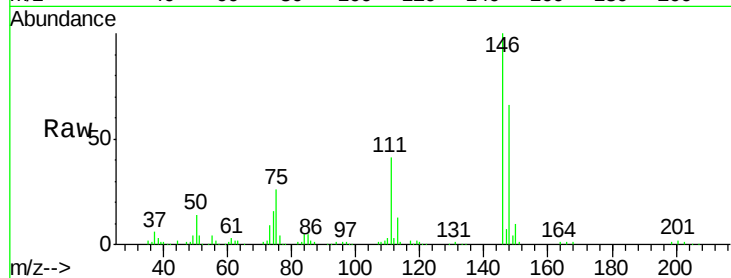
#91
 1,2-Dichlorobenzene
 Concen: 22.545 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.4
148	66.1	32.8	98.4

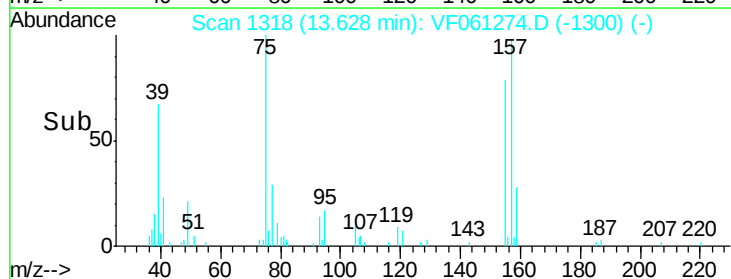
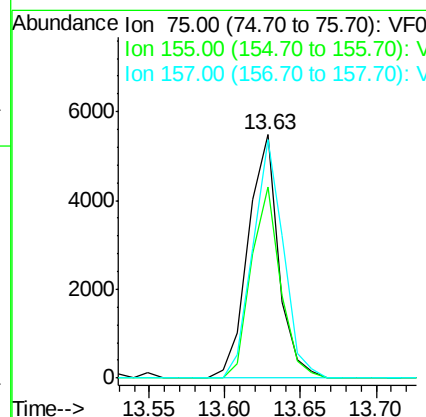
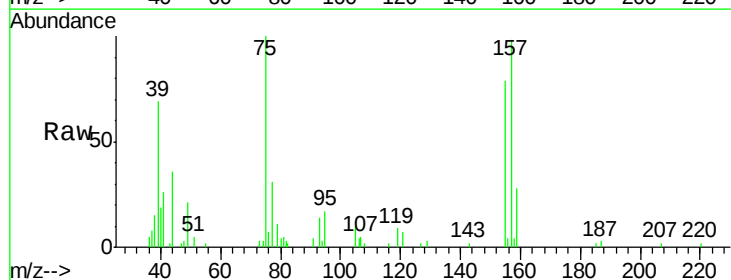
Manual Integrations
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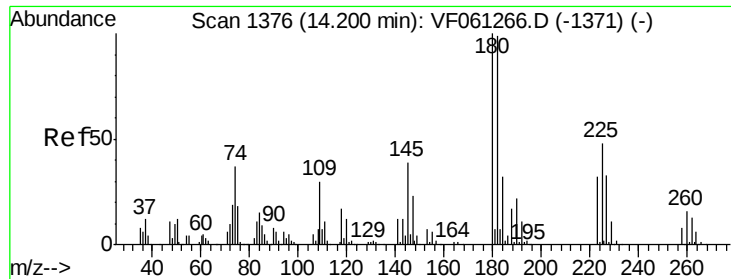
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.390 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	50.6	151.8
157	98.0	58.0	173.9





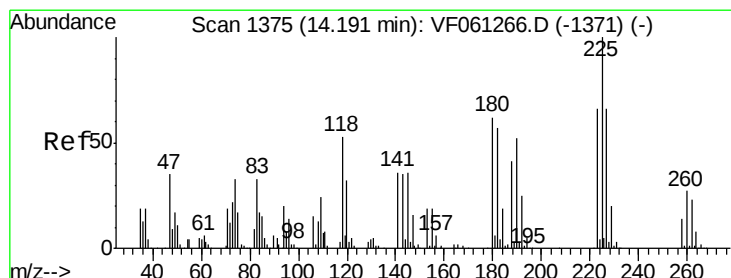
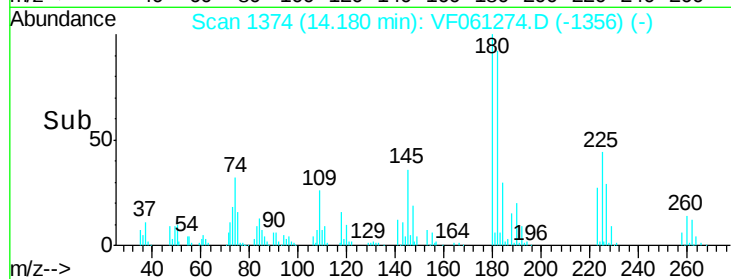
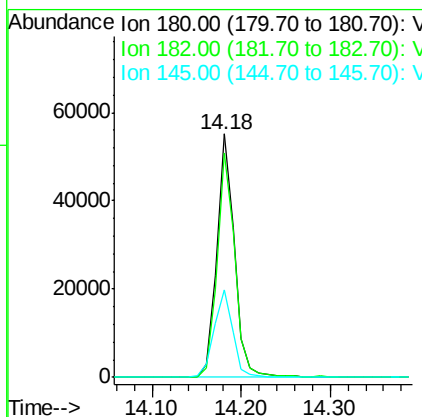
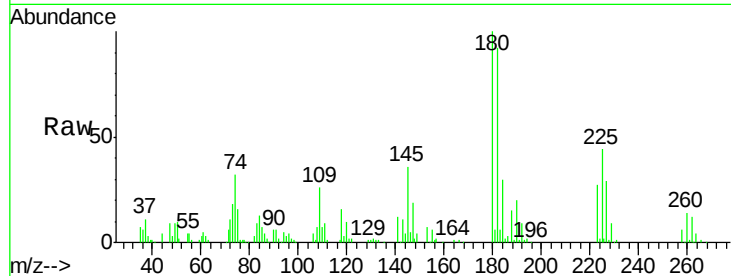
#93
 1,2,4-Trichlorobenzene
 Concen: 23.291 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	49.5	148.3
145	35.7	19.7	59.0

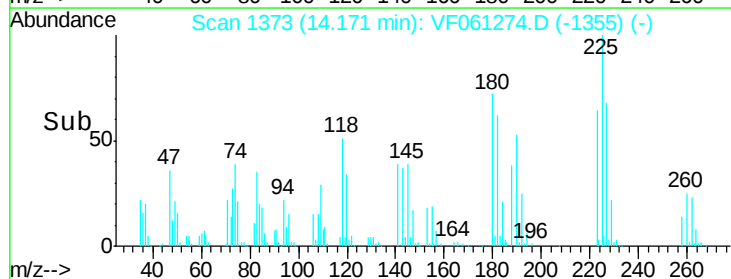
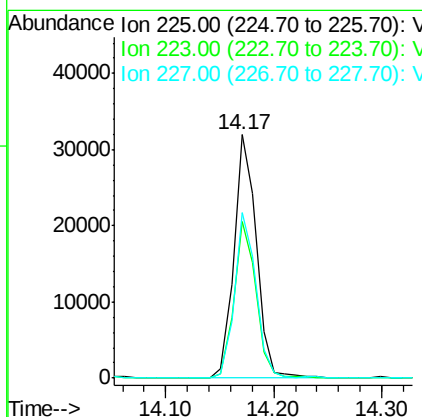
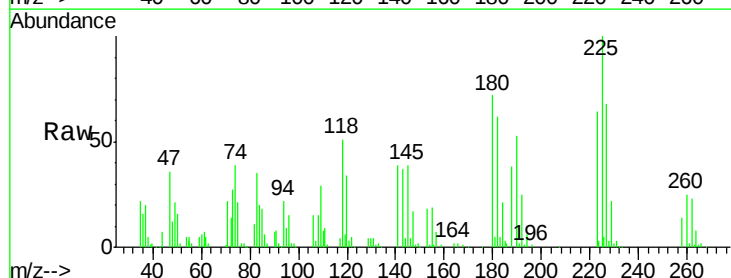
Manual Integrations
 APPROVED

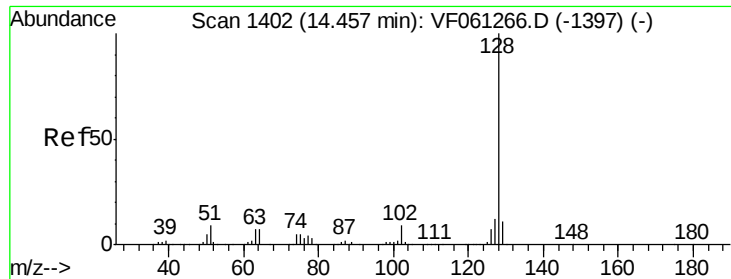
MMDadoda
 1/8/2019 12:57:59 PM



#94
 Hexachlorobutadiene
 Concen: 21.977 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.0	99.0
227	67.9	32.8	98.4





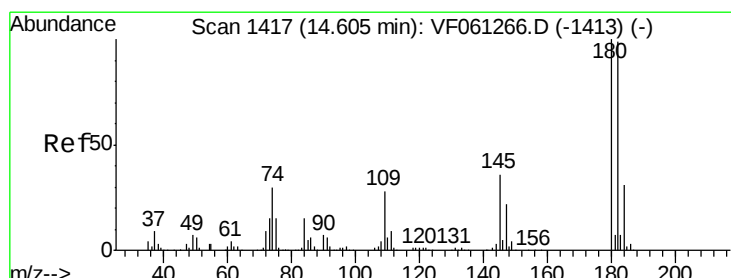
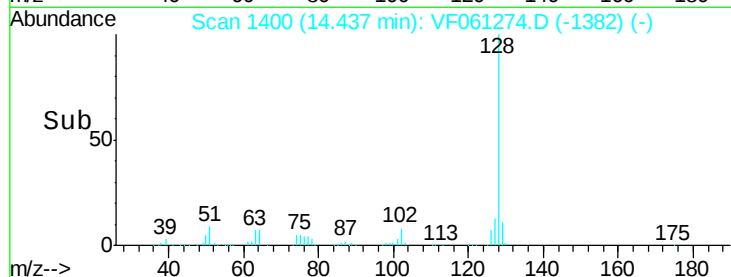
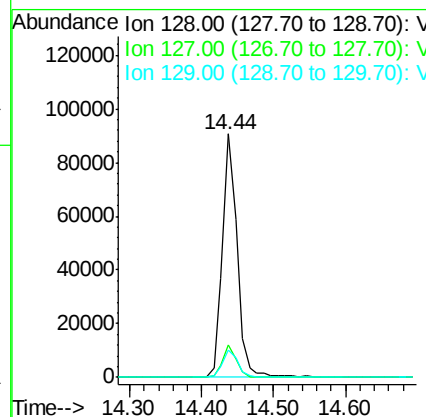
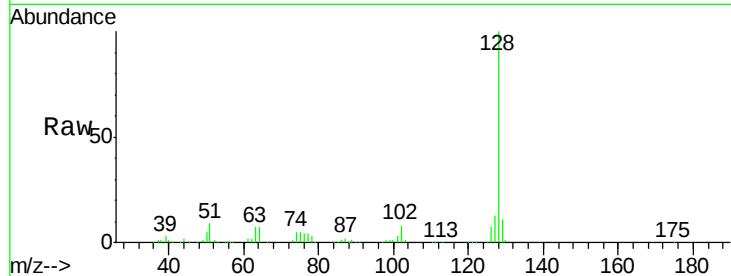
#95
Naphthalene
Concen: 20.763 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.8	14.6
129	11.0	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
1/8/2019 12:57:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.303 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.9	49.5	148.5
145	34.4	18.0	54.0

