

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061267.D
 Acq On : 3 Jan 2019 16:14
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 1/4/2019 2:12:39 PM

Quant Time: Jan 04 02:58:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	195665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	347625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	320350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	153438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	183004	72.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.74%	
35) Dibromofluoromethane	4.12	113	195268	70.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.60%	
50) Toluene-d8	7.56	98	571581	72.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.40%	
62) 4-Bromofluorobenzene	11.41	95	246527	67.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	274130	64.534	ug/l	96
3) Chloromethane	1.10	50	199473	78.535	ug/l	97
4) Vinyl Chloride	1.14	62	172342	73.357	ug/l	95
5) Bromomethane	1.33	94	122731	75.593	ug/l	96
6) Chloroethane	1.38	64	83308	77.412	ug/l	95
7) Trichlorofluoromethane	1.48	101	329840	74.663	ug/l	98
8) Diethyl Ether	1.63	74	48982	81.606	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	161833	70.082	ug/l	97
10) Methyl Iodide	1.90	142	272656m	75.275	ug/l	
11) Tert butyl alcohol	2.57	59	37220	371.107	ug/l	93
12) 1,1-Dichloroethene	1.79	96	139284	80.468	ug/l	96
13) Acrolein	2.00	56	30170	401.020	ug/l	95
14) Allyl chloride	2.09	41	195143	98.806	ug/l	93
15) Acrylonitrile	2.94	53	95509	403.253	ug/l	98
16) Acetone	2.24	43	152233	318.336	ug/l	97
17) Carbon Disulfide	1.83	76	428352	80.736	ug/l	98
18) Methyl Acetate	2.35	43	80148m	77.046	ug/l	
19) Methyl tert-butyl Ether	2.43	73	277032	73.237	ug/l	97
20) Methylene Chloride	2.18	84	139507m	73.143	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	142637	75.770	ug/l	95
22) Diisopropyl ether	2.80	45	466119	77.074	ug/l	98
23) Vinyl Acetate	3.19	43	1085600	393.335	ug/l	99
24) 1,1-Dichloroethane	2.87	63	284207	79.045	ug/l	99
25) 2-Butanone	4.33	43	299190	367.754	ug/l	94
26) 2,2-Dichloropropane	3.60	77	155975	75.090	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	204285	71.740	ug/l	98
28) Bromochloromethane	3.72	49	128936	72.252	ug/l	89
29) Tetrahydrofuran	4.08	42	128438	387.015	ug/l	95
30) Chloroform	3.86	83	365692	68.730	ug/l	98
31) Cyclohexane	3.70	56	292007	77.533	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	281301	84.713	ug/l	99
36) 1,1-Dichloropropene	4.28	75	296653	70.557	ug/l	99
37) Ethyl Acetate	4.11	43	113345	66.769	ug/l	81
38) Carbon Tetrachloride	4.00	117	243376	75.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	326501	84.522	ug/l	97
40) Benzene	4.64	78	647649	71.147	ug/l	98
41) Methacrylonitrile	4.75	41	64664	74.331	ug/l	96
42) 1,2-Dichloroethane	4.94	62	231228	69.114	ug/l	98
43) Isopropyl Acetate	6.97	43	155506	76.723	ug/l #	97
44) Trichloroethene	5.51	130	195287	69.068	ug/l	99
45) 1,2-Dichloropropane	6.24	63	181600	73.767	ug/l	98
46) Dibromomethane	6.09	93	115687	73.566	ug/l	98
47) Bromodichloromethane	6.39	83	295839	72.679	ug/l	98
48) Methyl methacrylate	6.72	41	105365	74.506	ug/l	91
49) 1,4-Dioxane	6.71	88	16505	1637.120	ug/l	87
51) 4-Methyl-2-Pentanone	8.26	43	519395	374.722	ug/l	98
52) Toluene	7.63	92	414360	68.864	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	226968	68.417	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	298083	71.471	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	128219	71.723	ug/l	96
56) Ethyl methacrylate	8.62	69	134342	69.584	ug/l	93
57) 1,3-Dichloropropane	8.86	76	236211	72.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	91128	258.928	ug/l	95
59) 2-Hexanone	9.49	43	380846	382.209	ug/l	100
60) Dibromochloromethane	8.72	129	184765	73.219	ug/l	99
61) 1,2-Dibromoethane	8.99	107	135134	71.071	ug/l	96
64) Tetrachloroethene	8.16	164	179060	71.946	ug/l	99
65) Chlorobenzene	9.81	112	464865	69.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	190835	69.735	ug/l	98
67) Ethyl Benzene	9.90	91	857612	69.937	ug/l	95
68) m/p-Xylenes	10.14	106	577462	134.707	ug/l	95
69) o-Xylene	10.71	106	325541	67.860	ug/l	93
70) Styrene	10.79	104	433942	65.440	ug/l	100
71) Bromoform	10.78	173	86560	68.666	ug/l #	95
73) Isopropylbenzene	11.13	105	939269	70.976	ug/l	100
74) N-amyl acetate	11.37	43	235657	79.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	159576	73.475	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	115694	71.524	ug/l	97
77) Bromobenzene	11.50	156	200117	70.669	ug/l	90
78) n-propylbenzene	11.60	91	1037297	66.702	ug/l	96
79) 2-Chlorotoluene	11.72	91	618493	68.486	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	747877	69.140	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	50151m	71.011	ug/l	
82) 4-Chlorotoluene	11.91	91	631099	67.245	ug/l	99
83) tert-Butylbenzene	12.13	119	769498	69.190	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	750602	69.575	ug/l	96
85) sec-Butylbenzene	12.31	105	1034265	70.708	ug/l	96
86) p-Isopropyltoluene	12.46	119	825447	67.861	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	362209	67.501	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	375987	71.489	ug/l	98
89) n-Butylbenzene	12.84	91	857415	68.251	ug/l	97
90) Hexachloroethane	12.92	117	214416	71.418	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	350012	69.286	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	29633	75.122	ug/l	79

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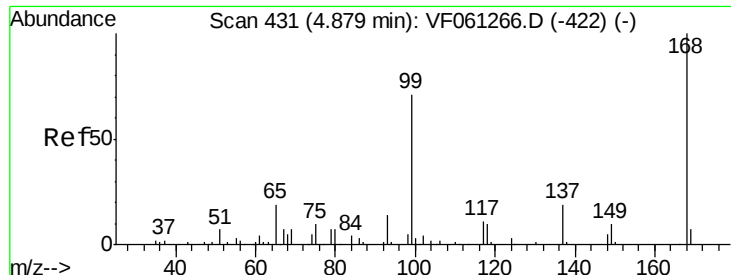
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	248888	69.133	ug/l	96
94) Hexachlorobutadiene	14.20	225	163666	71.409	ug/l	97
95) Naphthalene	14.46	128	503009	77.331	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	247242	75.072	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 195665

Ion Ratio Lower Upper

168 100

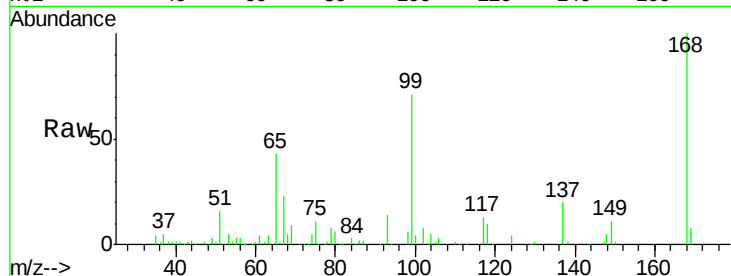
99 70.7 57.0 85.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

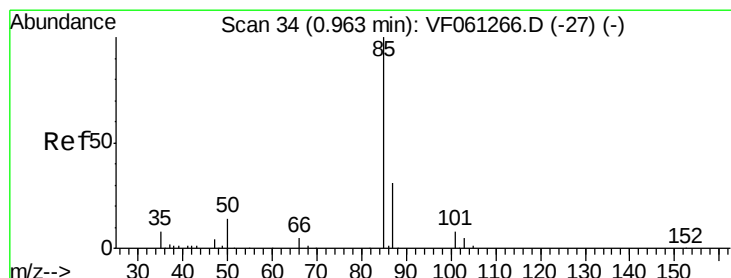
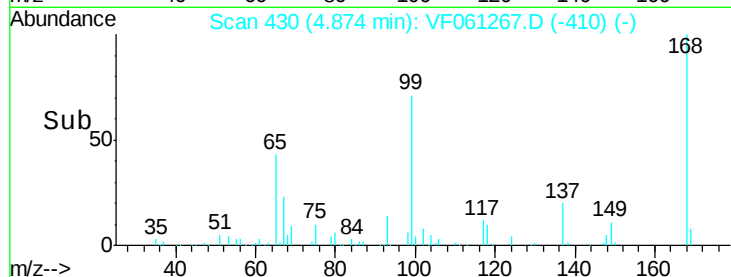
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 64.534 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061267.D

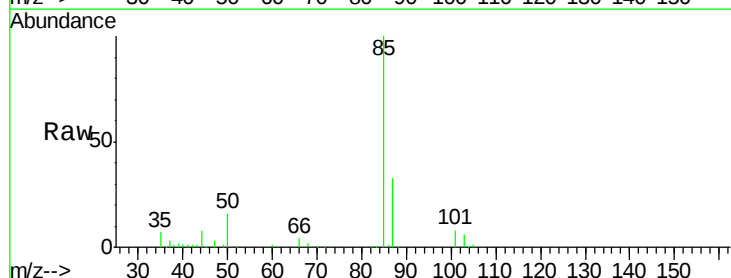
Acq: 3 Jan 2019 16:14

Tgt Ion: 85 Resp: 274130

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

100000

80000

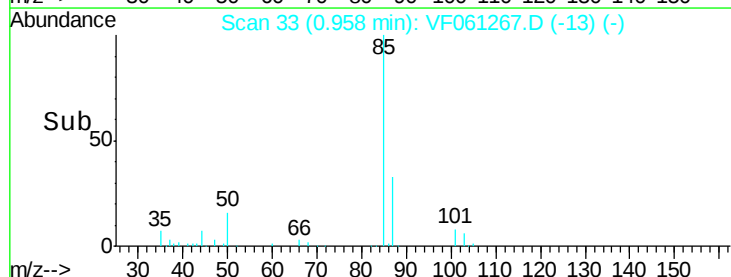
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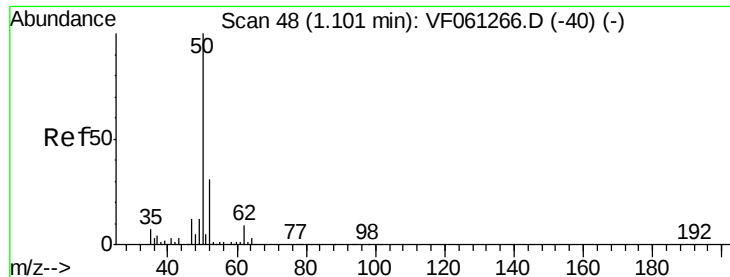
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 78.535 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 199473

Ion Ratio Lower Upper

50 100

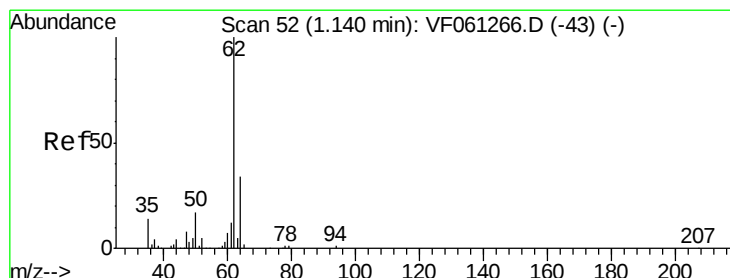
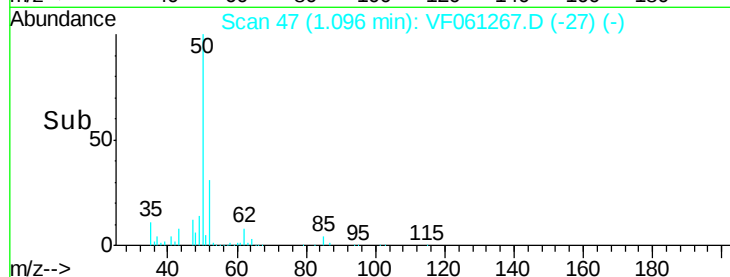
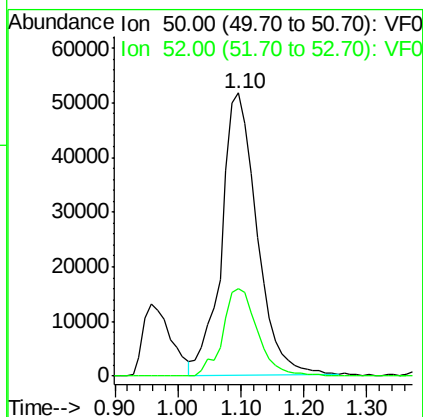
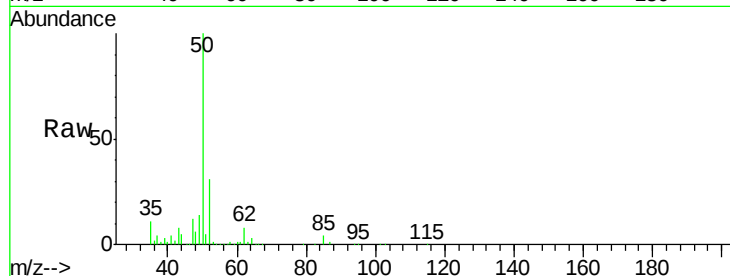
52 30.9 23.4 35.2

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#4

Vinyl Chloride

Concen: 73.357 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061267.D

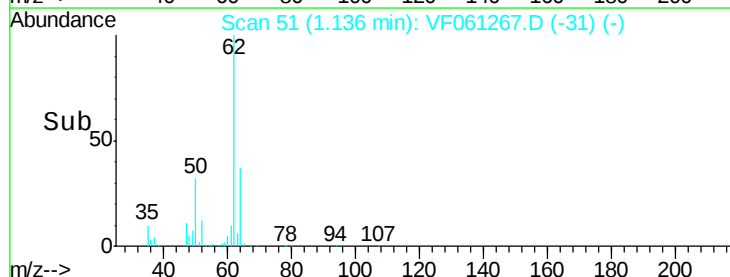
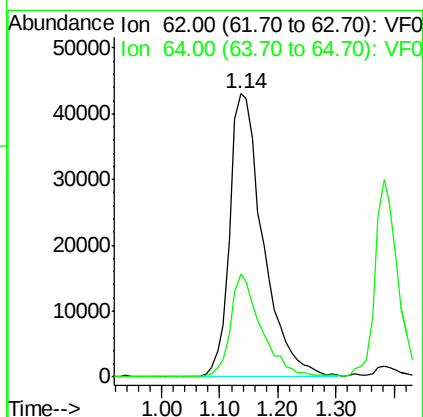
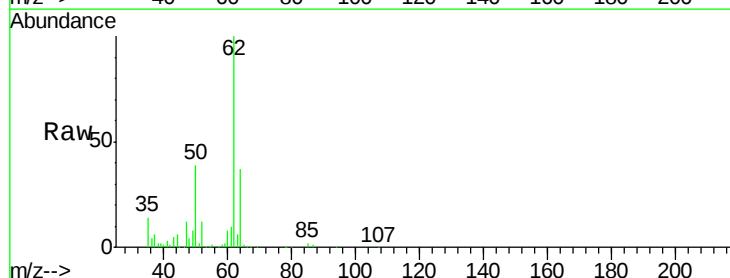
Acq: 3 Jan 2019 16:14

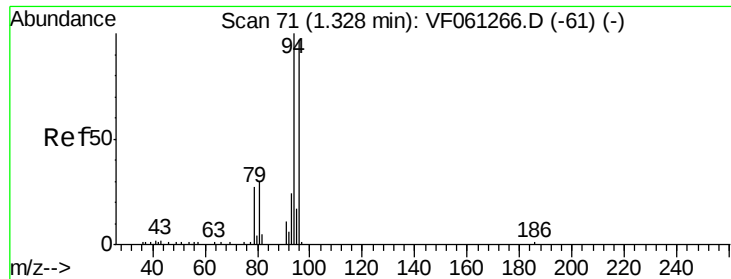
Tgt Ion: 62 Resp: 172342

Ion Ratio Lower Upper

62 100

64 36.6 26.9 40.3





#5

Bromomethane

Concen: 75.593 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 122731

Ion Ratio Lower Upper

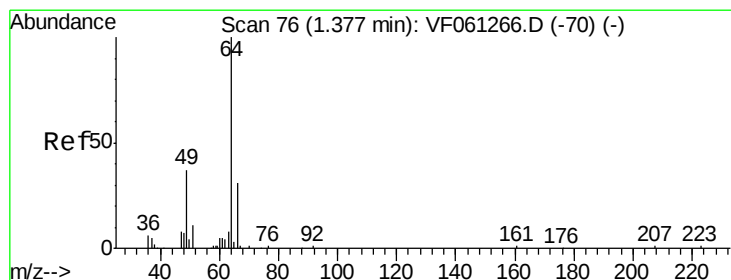
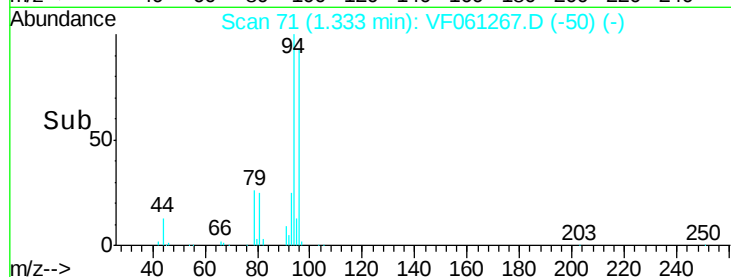
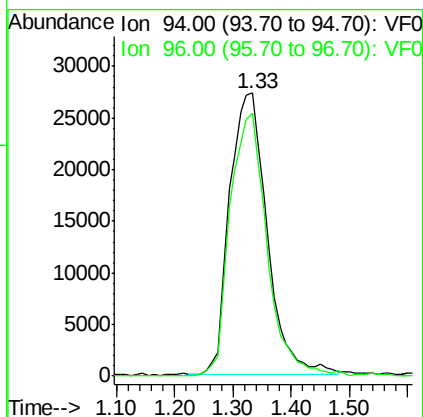
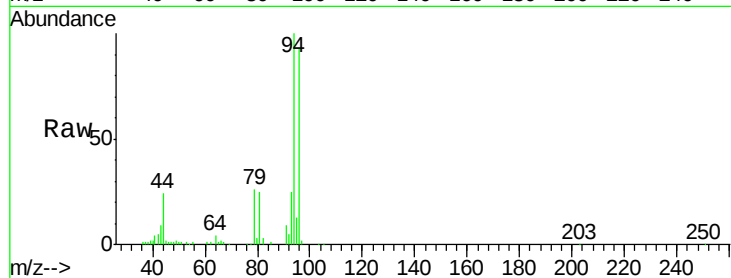
94 100

96 92.8 77.2 115.8

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#6

Chloroethane

Concen: 77.412 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061267.D

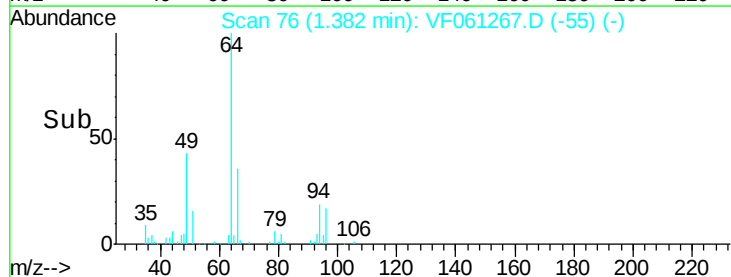
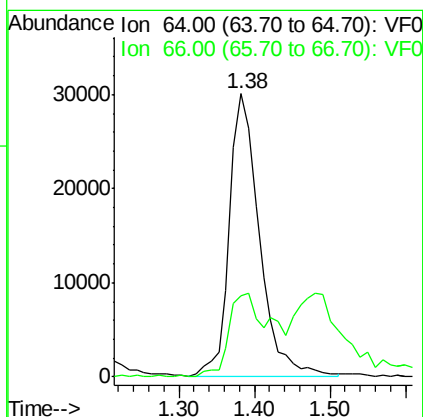
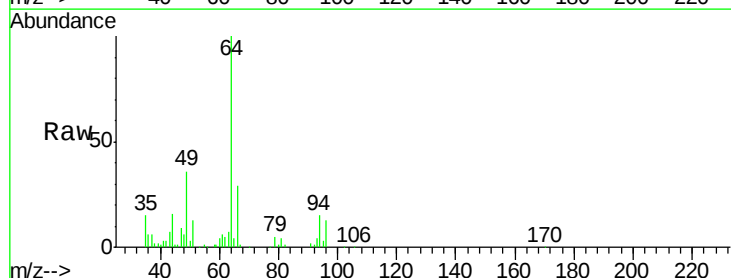
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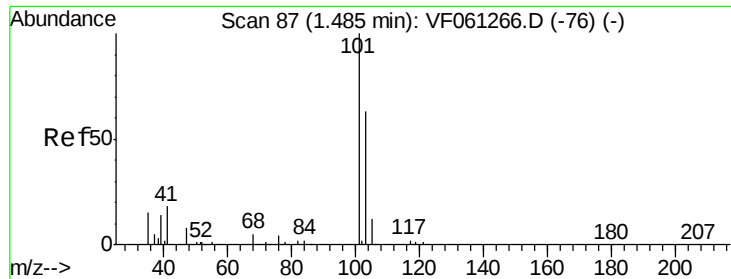
Tgt Ion: 64 Resp: 83308

Ion Ratio Lower Upper

64 100

66 28.8 25.2 37.8





#7

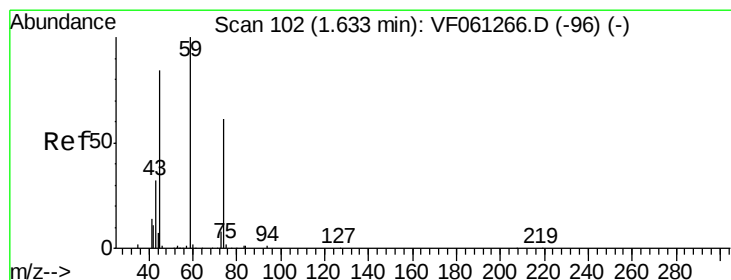
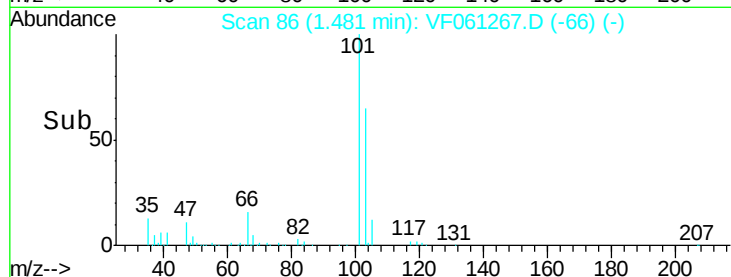
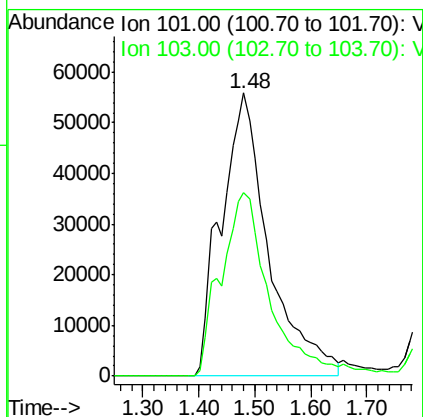
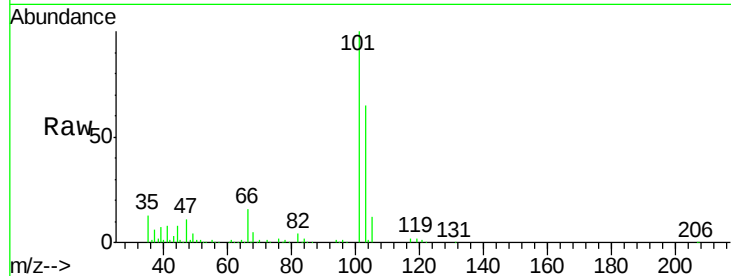
Trichlorofluoromethane
Concen: 74.663 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.3	75.5

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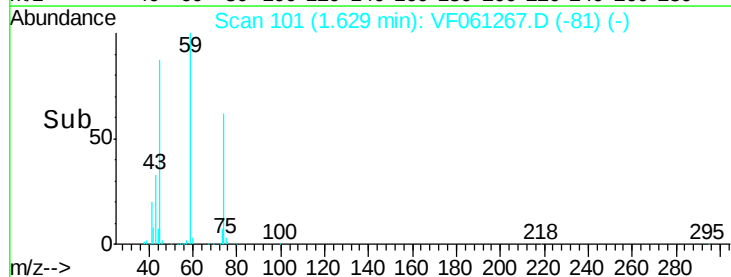
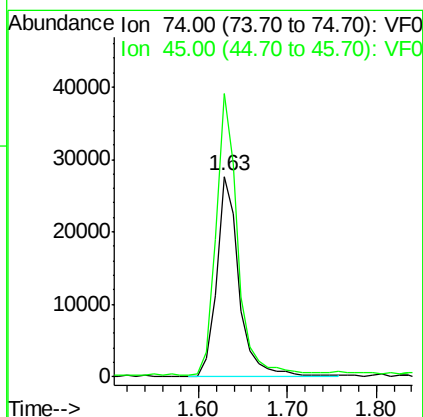
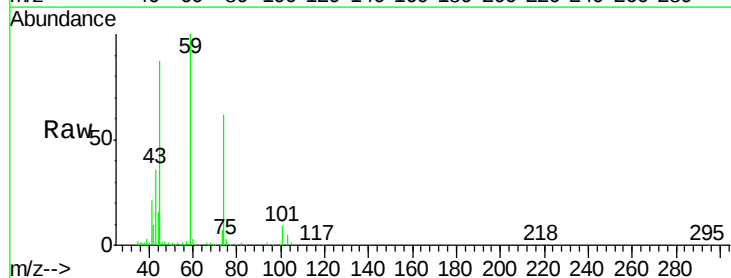
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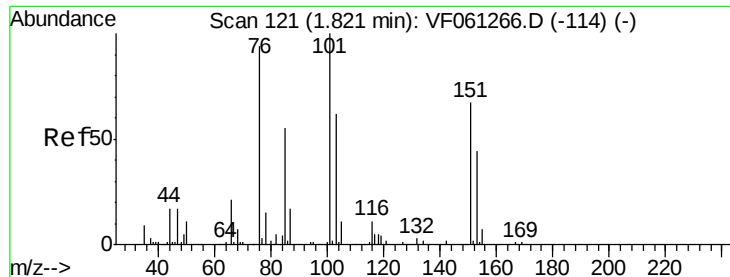


#8

Diethyl Ether
Concen: 81.606 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.4	69.0	207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.082 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061267.D

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Instrument :

MSVOA_F

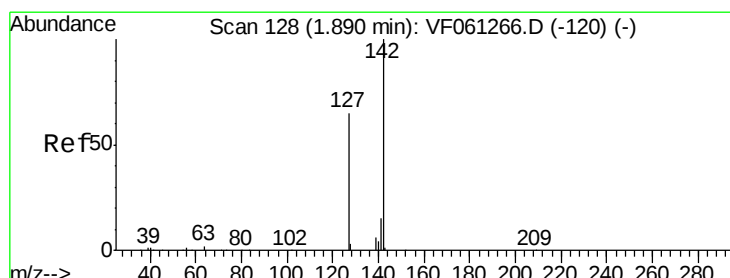
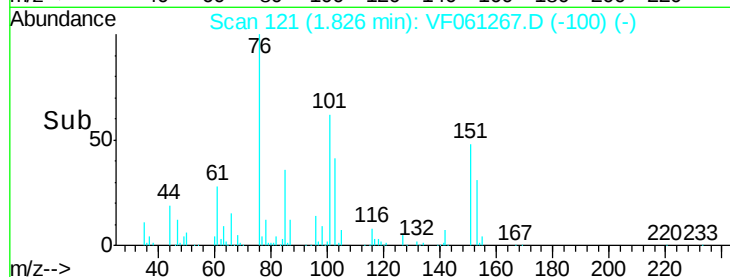
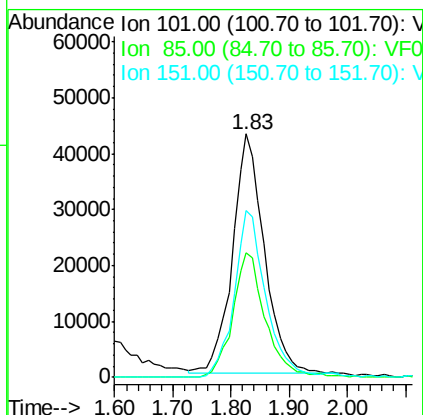
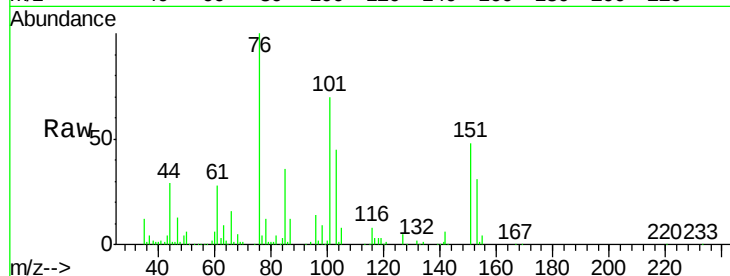
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	161833
Ion Ratio	Lower	Upper	
101	100		
85	51.3	42.9	64.3
151	68.4	52.4	78.6

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#10

Methyl Iodide

Concen: 75.275 ug/l m

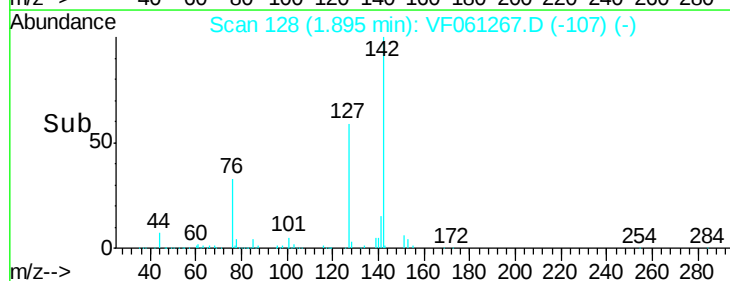
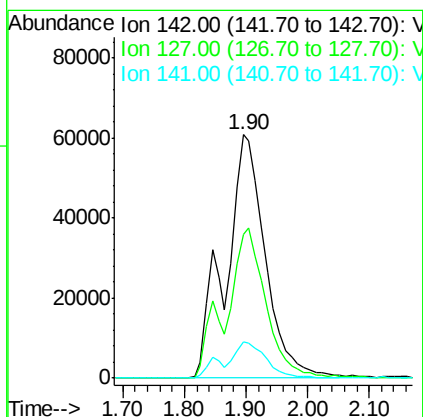
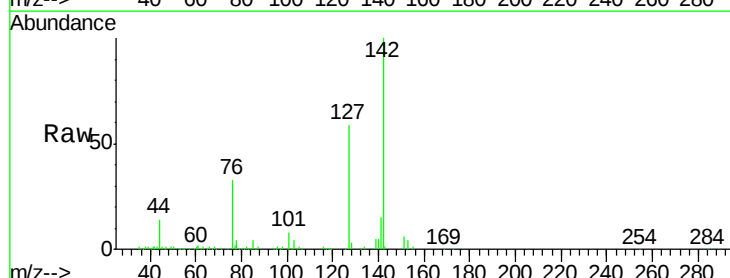
RT: 1.90 min Scan# 128

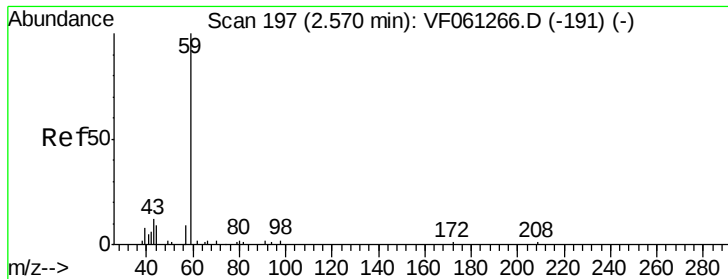
Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	142	Resp:	272656
Ion Ratio	Lower	Upper	
142	100		
127	59.1	52.3	78.5
141	14.8	12.2	18.4





#11

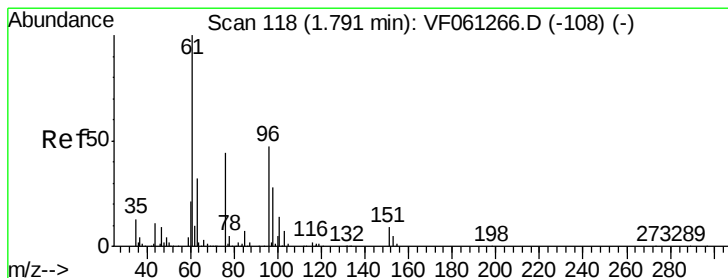
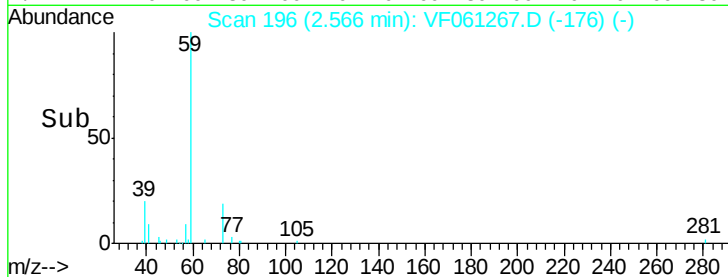
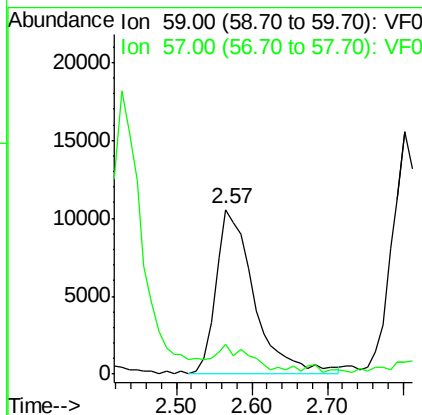
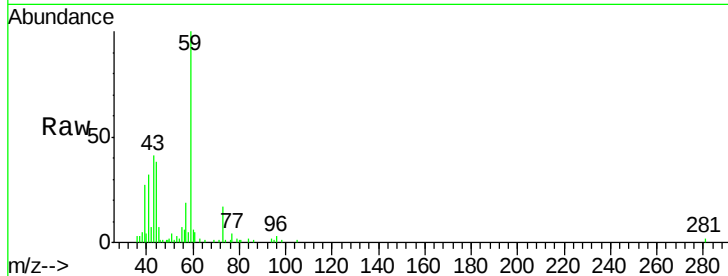
Tert butyl alcohol
Concen: 371.107 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	37220
Ion	Ratio	Lower	Upper
59	100		
57	18.5	12.6	18.8

Manual Integrations
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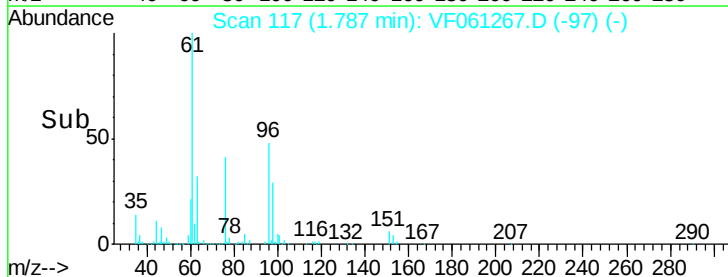
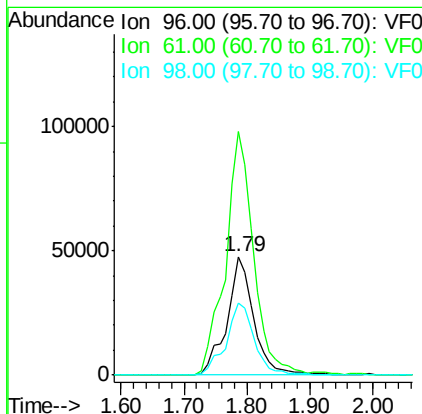
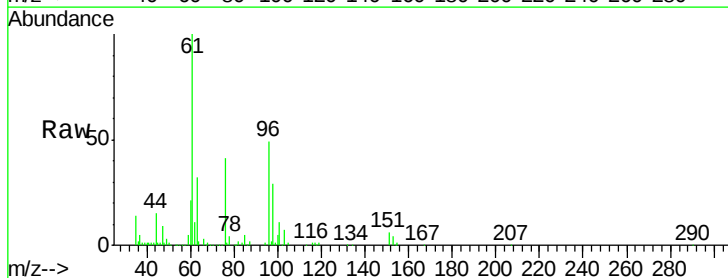
apatel
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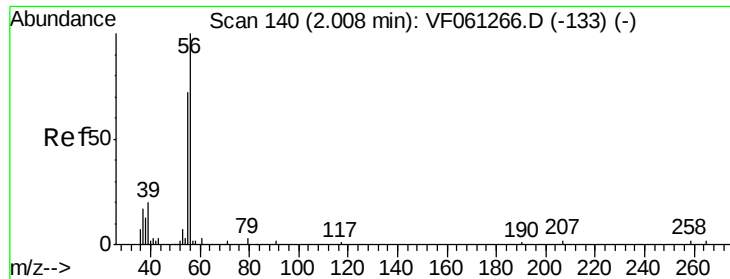


#12

1,1-Dichloroethene
Concen: 80.468 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	139284
Ion	Ratio	Lower	Upper
96	100		
61	205.9	171.6	257.4
98	60.5	48.6	72.8





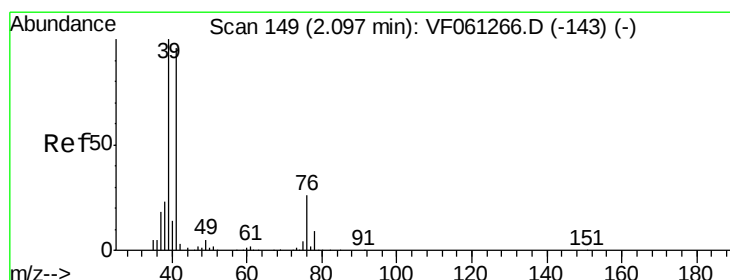
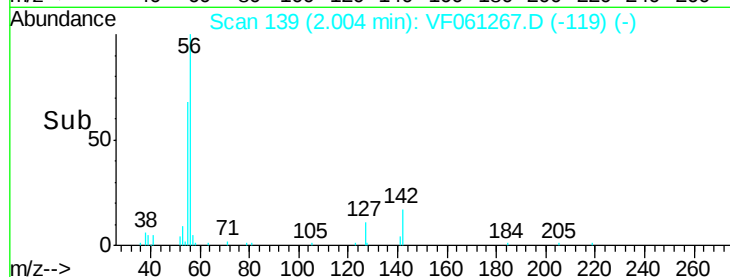
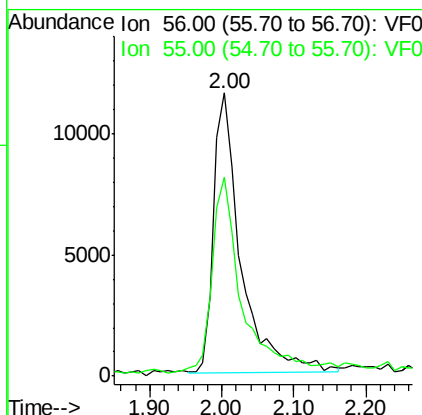
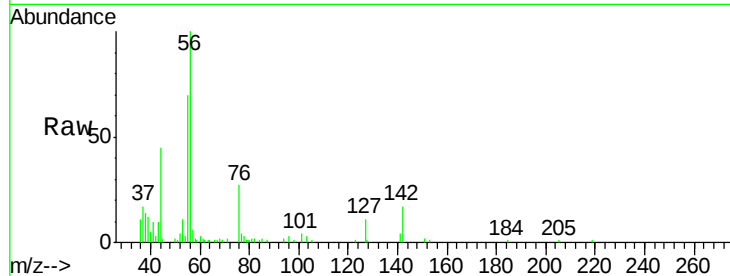
#13
Acrolein
Concen: 401.020 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tot Ion	56	Resp	30170
Ion Ratio	100	Lower	Upper
55	70.5	59.7	89.5

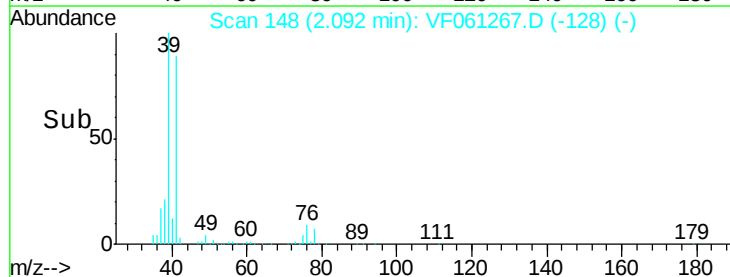
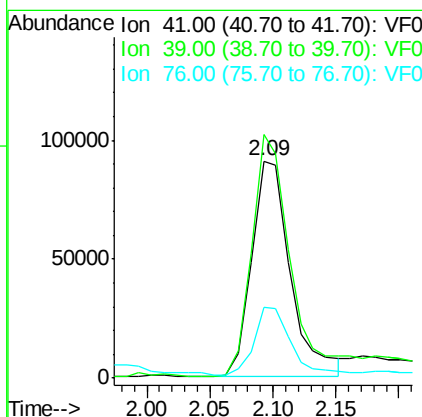
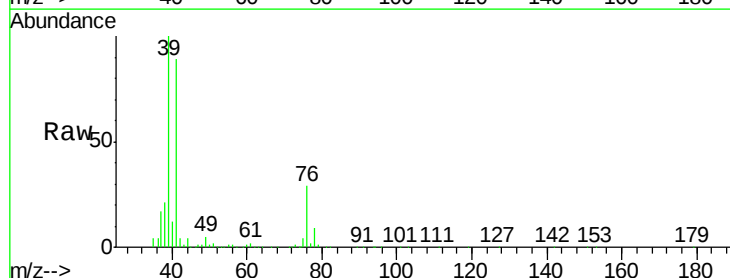
Manual Integrations
APPROVED

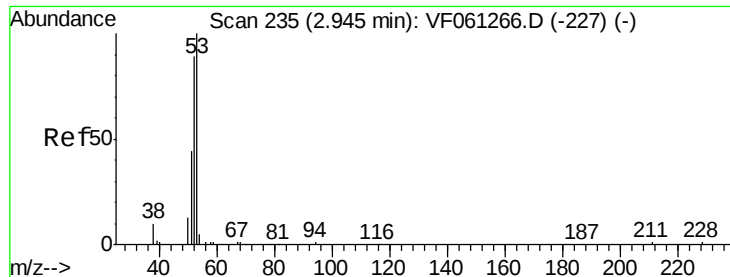
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#14
Allyl chloride
Concen: 98.806 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	41	Resp	195143
Ion Ratio	100	Lower	Upper
39	112.3	83.4	125.2
76	32.5	23.9	35.9





#15

Acrylonitrile

Concen: 403.253 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

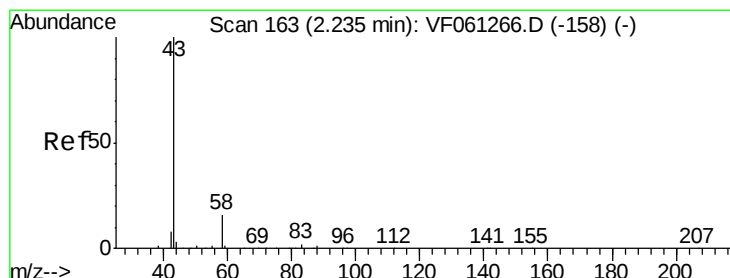
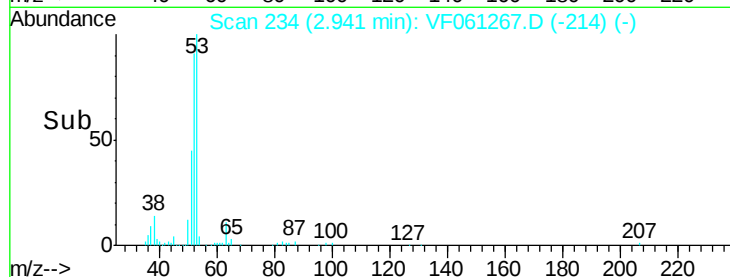
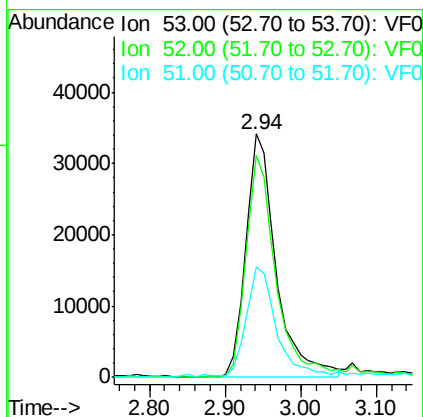
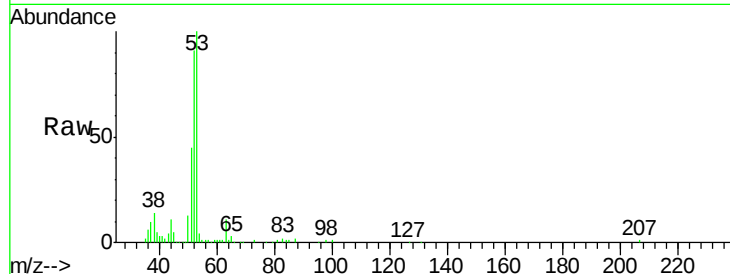
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	95509
Ion	Ratio	Lower	Upper
53	100		
52	91.1	71.3	106.9
51	45.2	36.2	54.4

Manual Integrations
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#16

Acetone

Concen: 318.336 ug/l

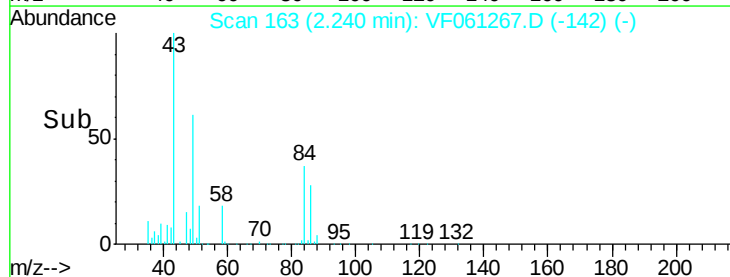
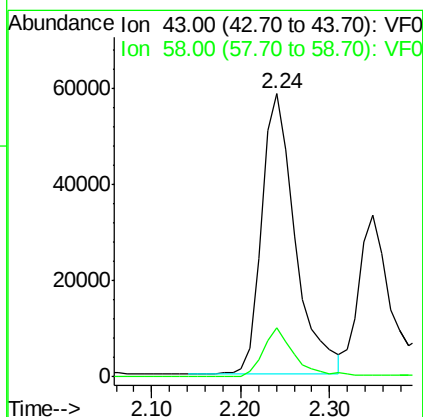
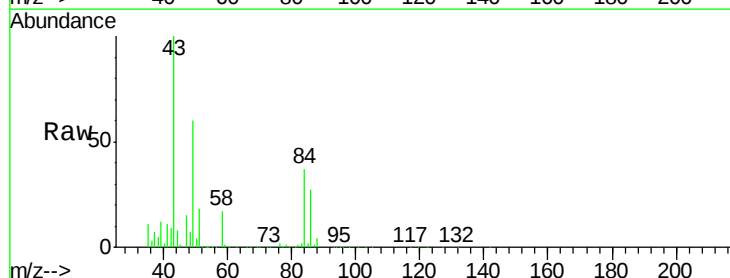
RT: 2.24 min Scan# 163

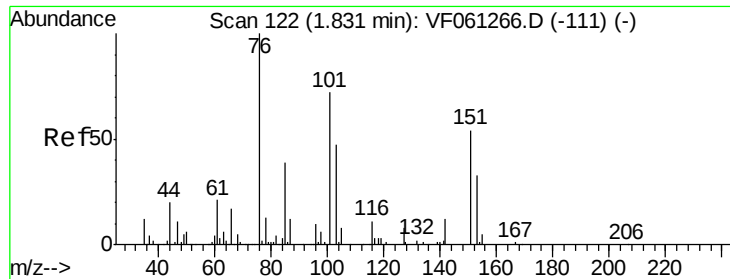
Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	43	Resp:	152233
Ion	Ratio	Lower	Upper
43	100		
58	17.4	13.0	19.4





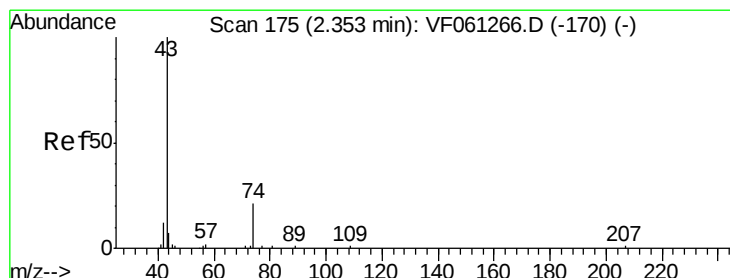
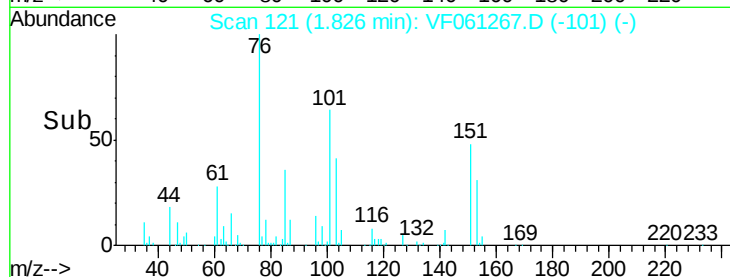
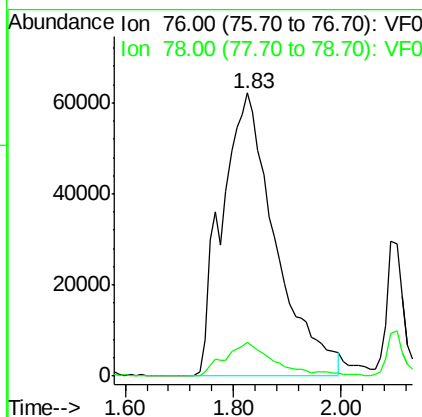
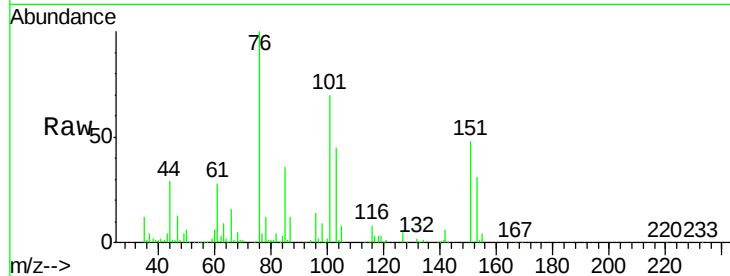
#17
Carbon Disulfide
Concen: 80.736 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 428352
Ion Ratio Lower Upper
76 100
78 12.0 10.2 15.4

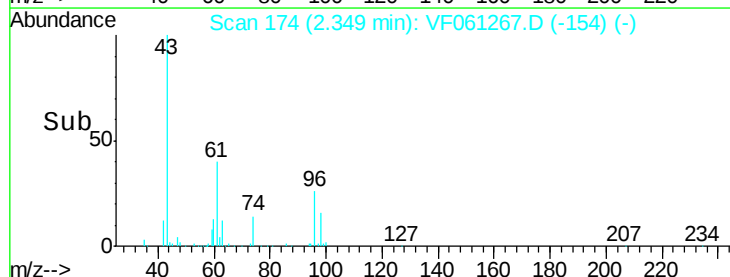
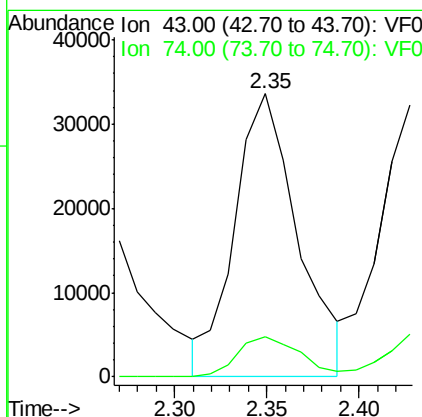
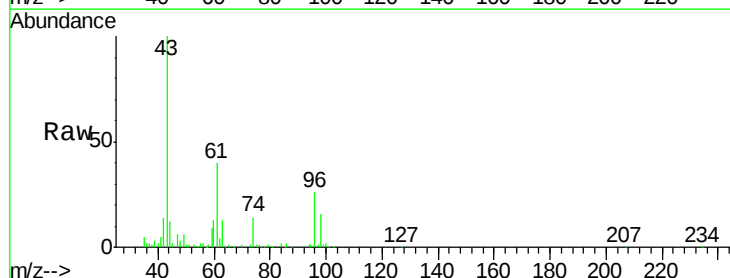
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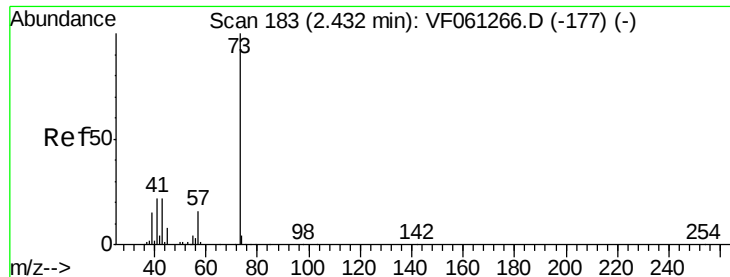
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#18
Methyl Acetate
Concen: 77.046 ug/l m
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 43 Resp: 80148
Ion Ratio Lower Upper
43 100
74 14.3 14.4 21.6#





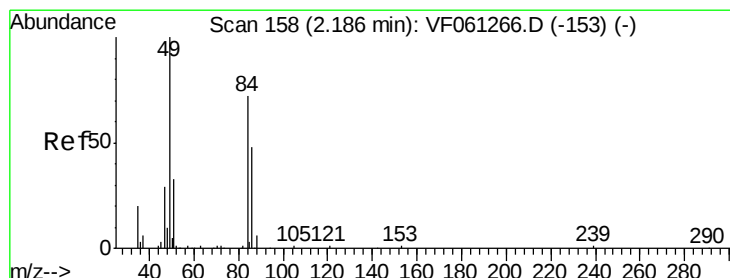
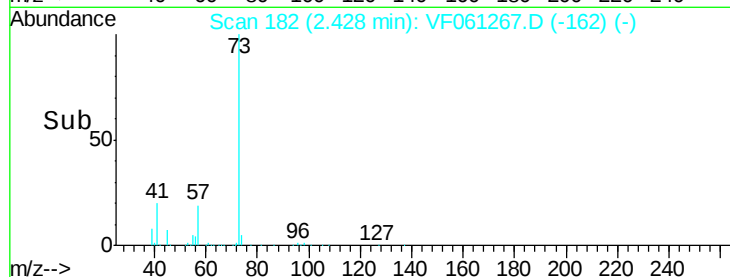
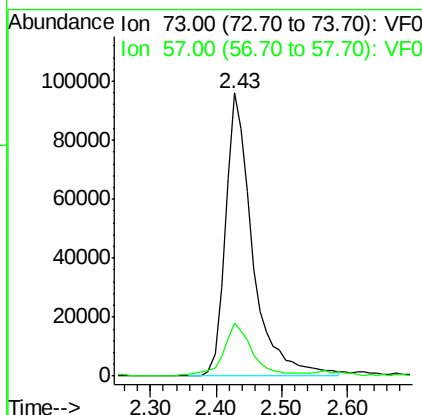
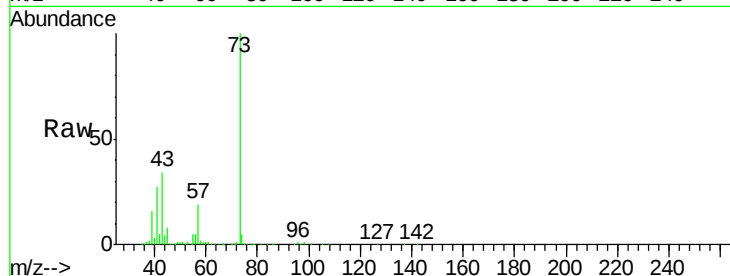
#19
Methyl tert-butyl Ether
Concen: 73.237 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.0	21.0

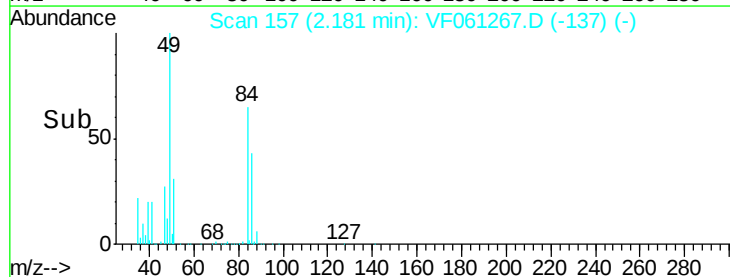
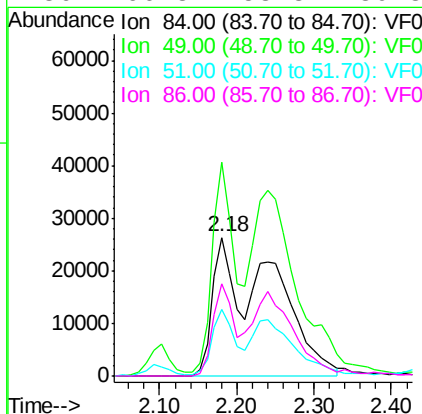
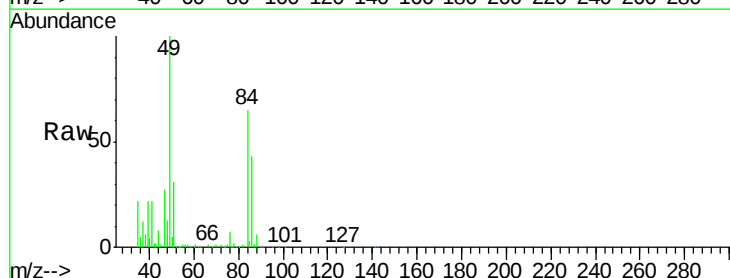
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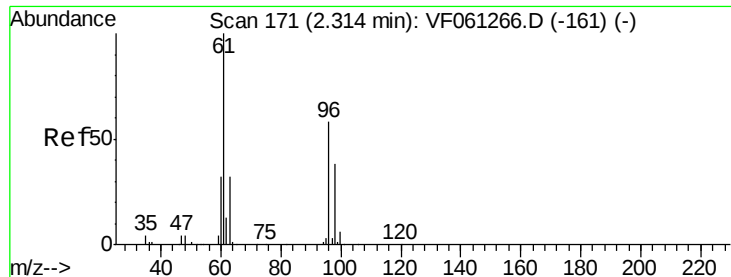
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#20
Methylene Chloride
Concen: 73.143 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.0	112.9	169.3
51	48.2	37.9	56.9
86	66.8	53.8	80.8





#21

trans-1,2-Dichloroethene

Concen: 75.770 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

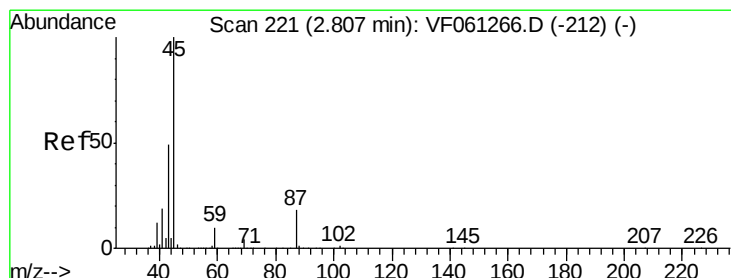
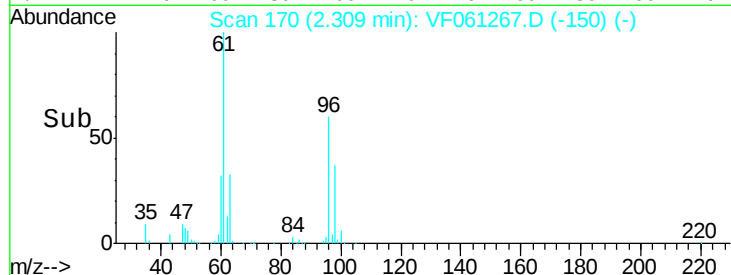
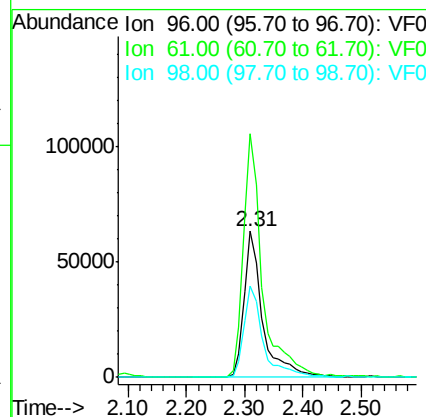
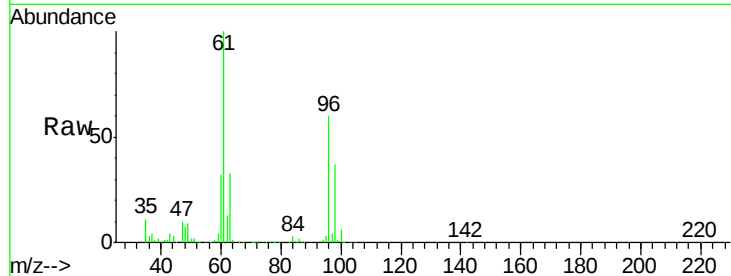
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	142637
Ion	Ratio	Lower	Upper
96	100		
61	166.6	139.3	208.9
98	62.2	52.6	78.8

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#22

Diisopropyl ether

Concen: 77.074 ug/l

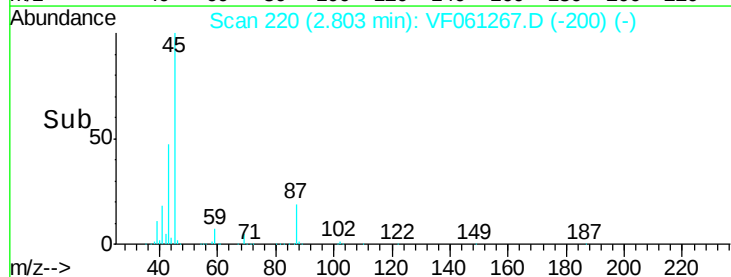
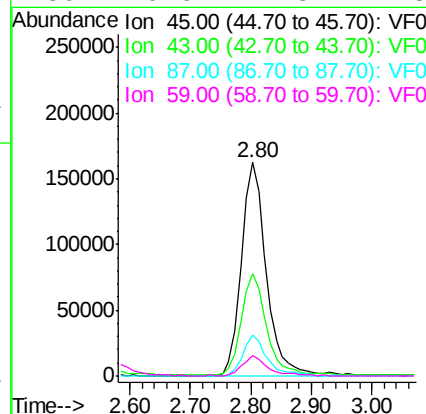
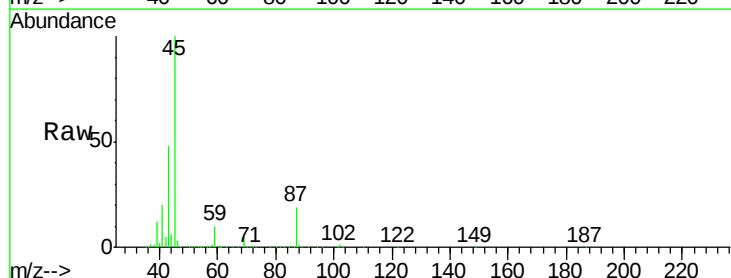
RT: 2.80 min Scan# 220

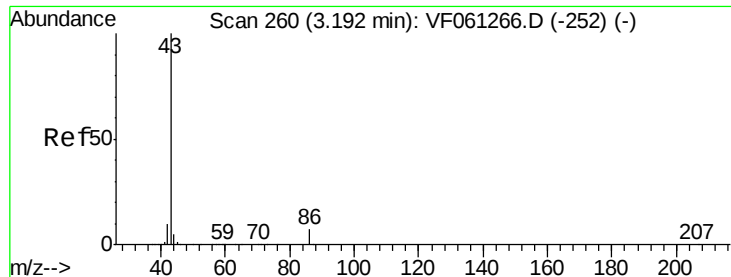
Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	45	Resp:	466119
Ion	Ratio	Lower	Upper
45	100		
43	47.7	39.5	59.3
87	19.1	14.8	22.2
59	9.6	7.8	11.8





#23

Vinyl Acetate

Concen: 393.335 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1085600

Ion Ratio Lower Upper

43 100

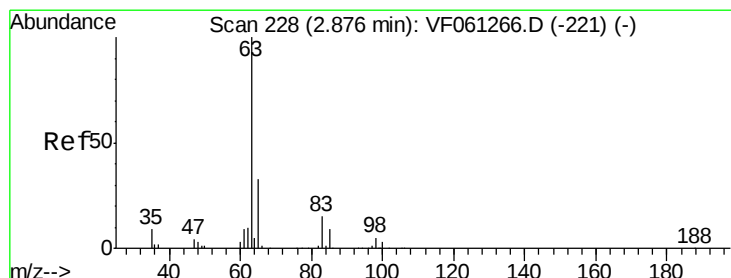
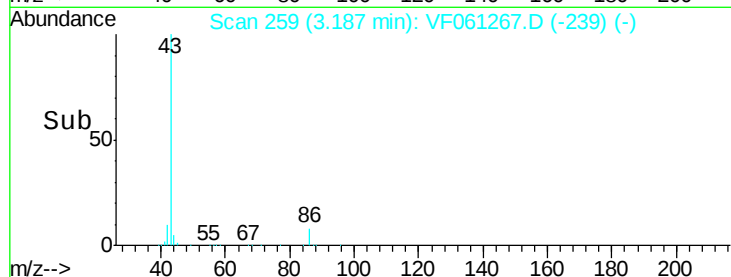
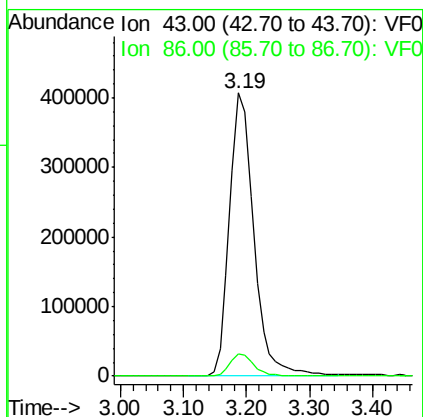
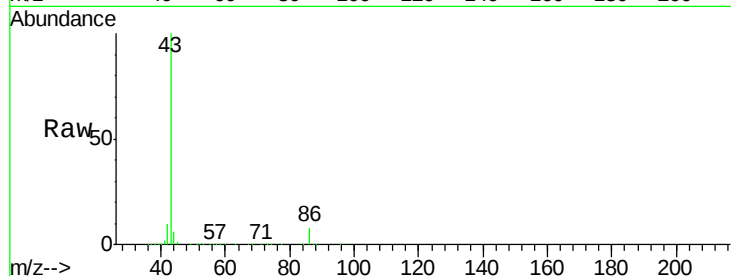
86 7.7 6.0 9.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 79.045 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

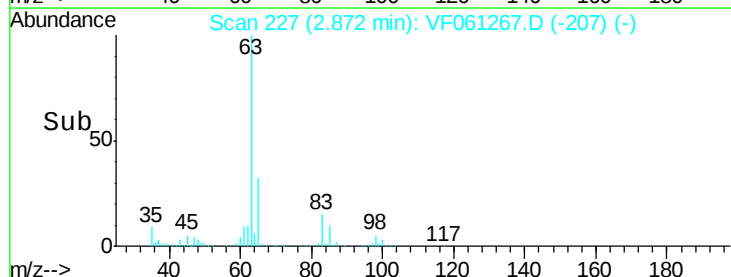
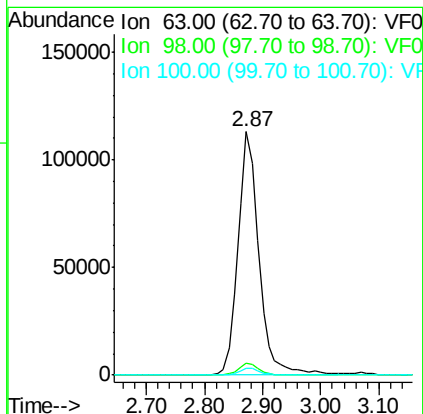
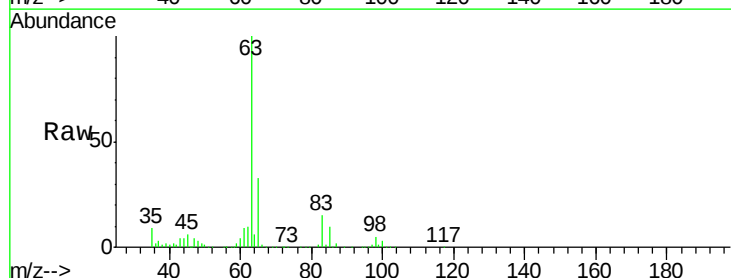
Tgt Ion: 63 Resp: 284207

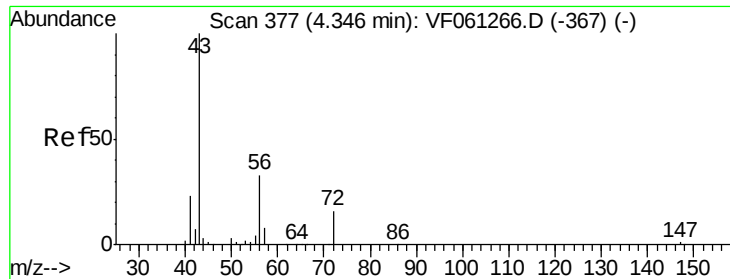
Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

100 2.8 1.6 4.8





#25

2-Butanone

Concen: 367.754 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 299190

Ion Ratio Lower Upper

43 100

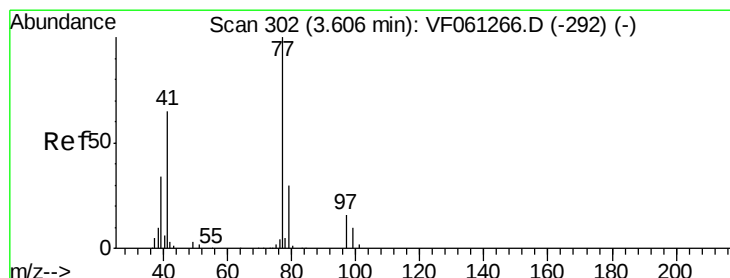
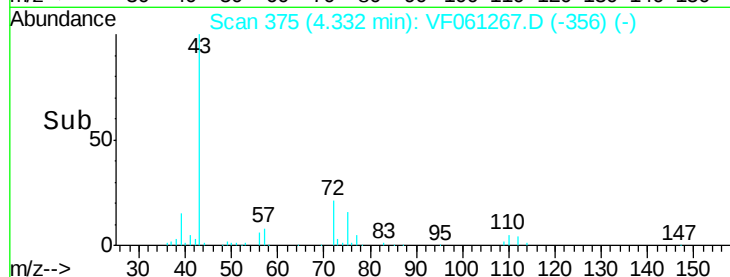
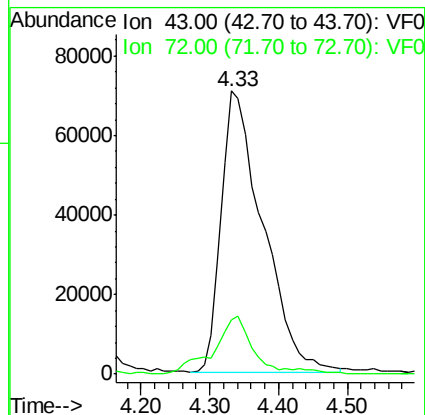
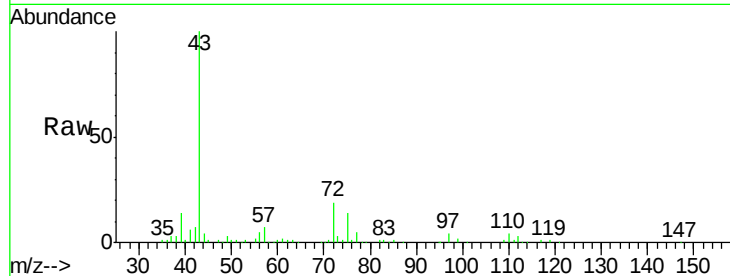
72 19.0 13.0 19.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 75.090 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061267.D

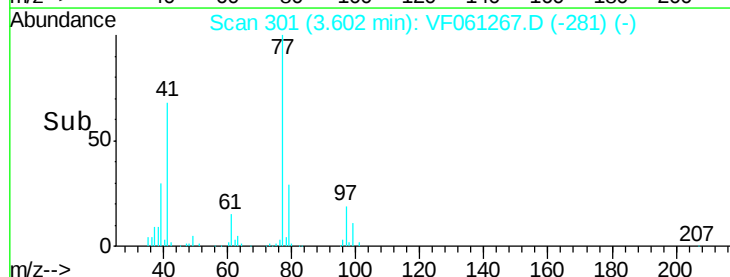
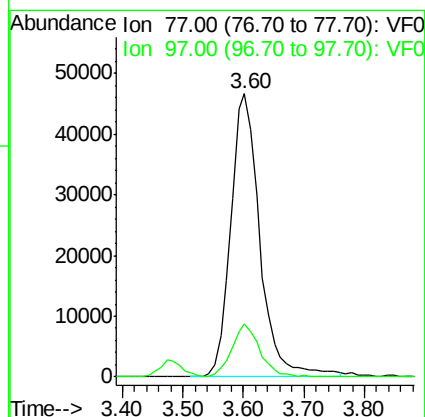
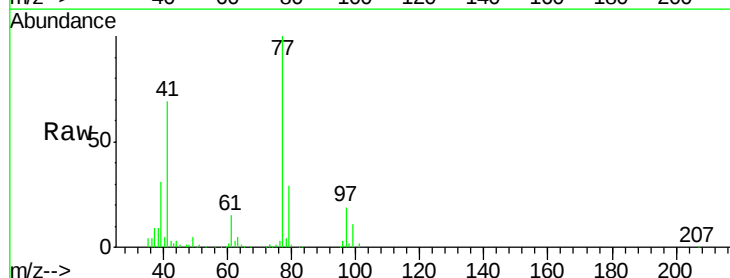
Acq: 3 Jan 2019 16:14

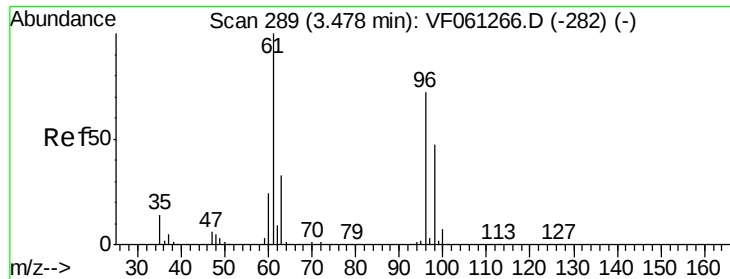
Tgt Ion: 77 Resp: 155975

Ion Ratio Lower Upper

77 100

97 18.9 8.9 26.7





#27

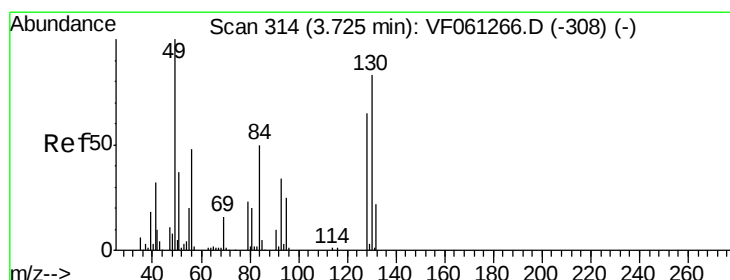
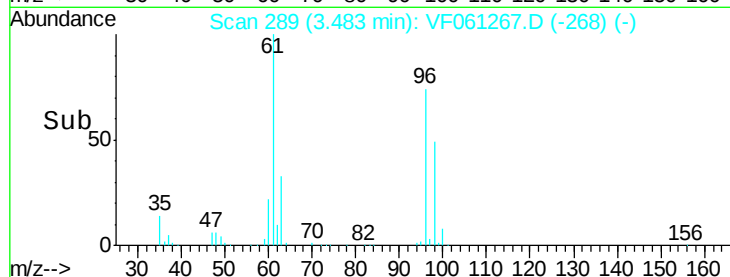
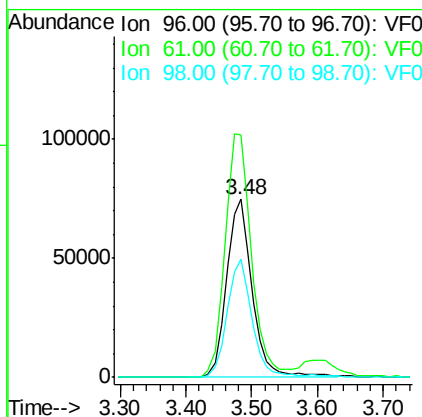
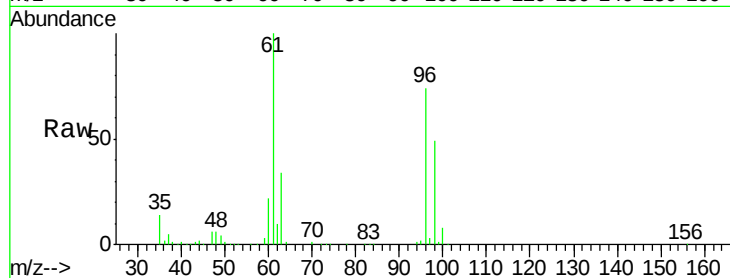
cis-1,2-Dichloroethene
Concen: 71.740 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	204285		
61	136.0	0.0	277.8	
98	66.5	0.0	130.8	

Manual Integrations
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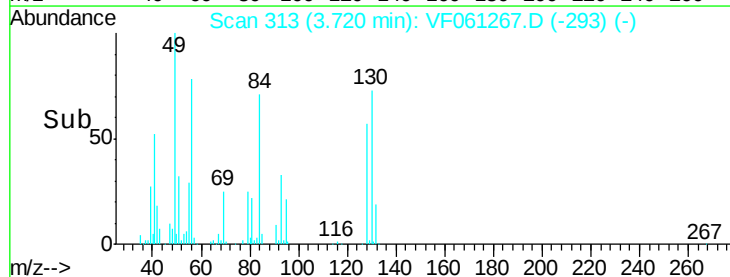
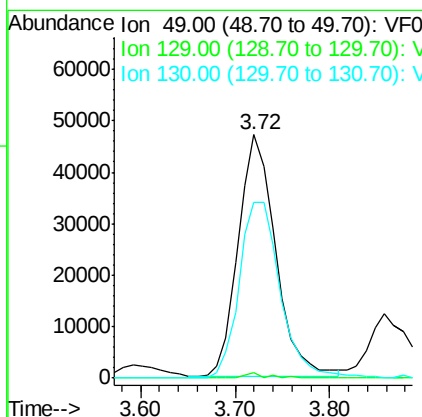
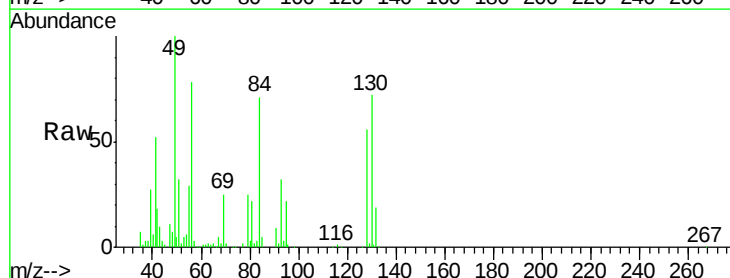
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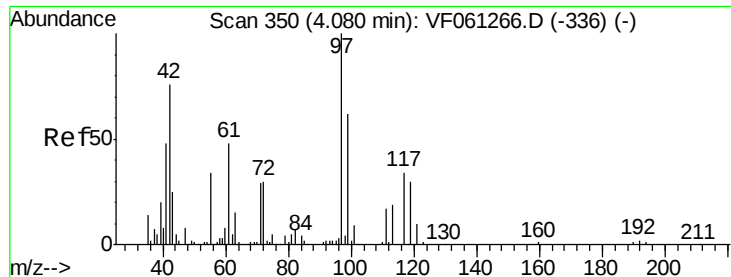


#28

Bromochloromethane
Concen: 72.252 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128936		
129	2.0	0.0	5.4	
130	72.3	65.7	98.5	





#29

Tetrahydrofuran

Concen: 387.015 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

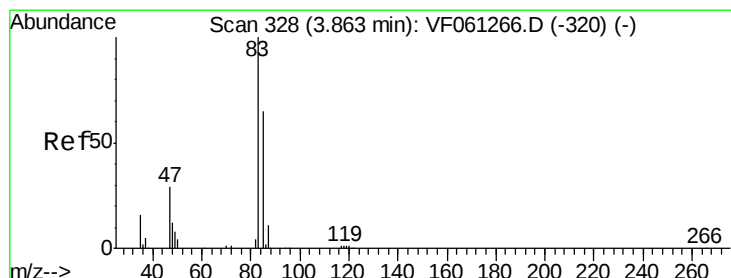
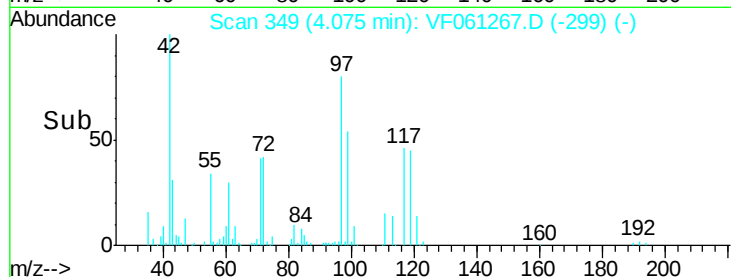
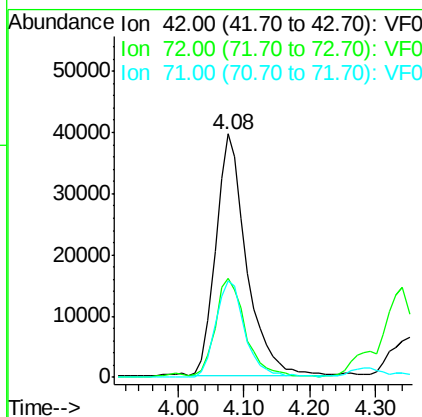
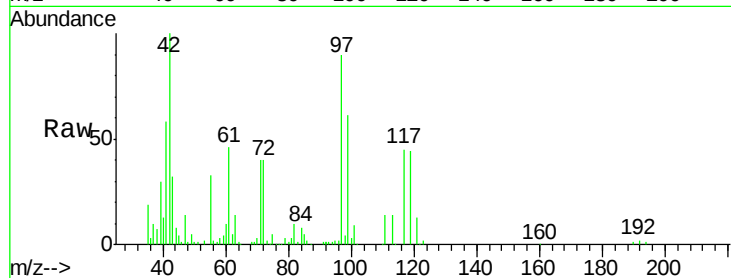
ClientSampleId :

VSTDIC075

Tot Ion:	42	Resp:	128438
Ion	Ratio	Lower	Upper
42	100		
72	40.5	29.2	43.8
71	38.3	29.1	43.7

Manual Integrations
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#30

Chloroform

Concen: 68.730 ug/l

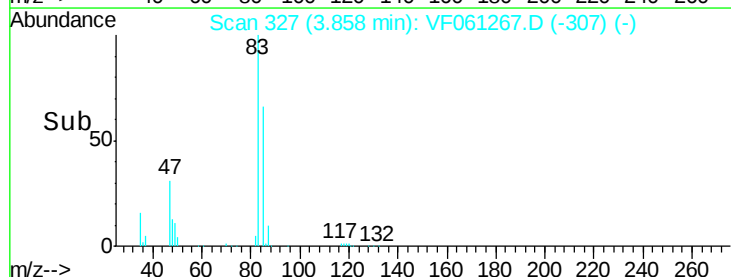
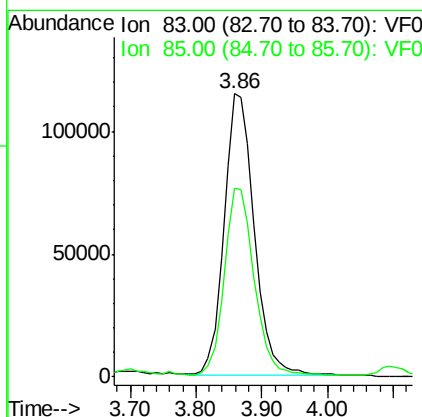
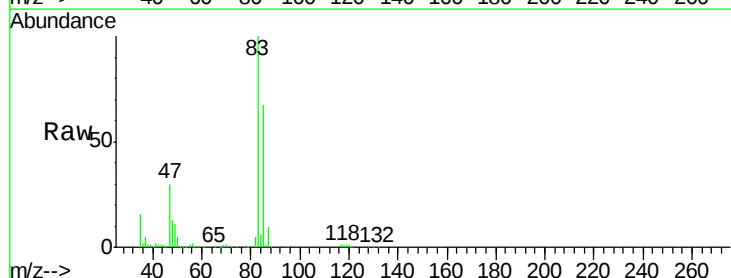
RT: 3.86 min Scan# 327

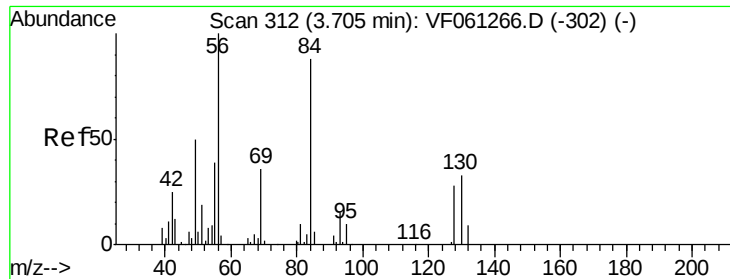
Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	83	Resp:	365692
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4





#31

Cyclohexane

Concen: 77.533 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

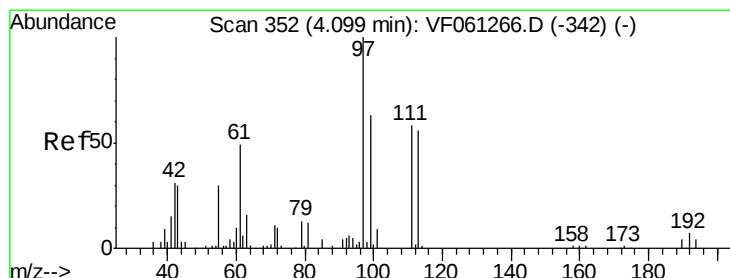
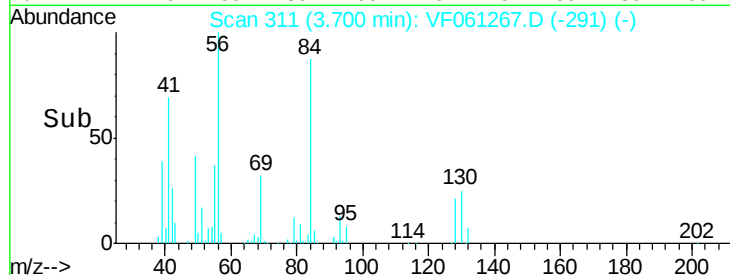
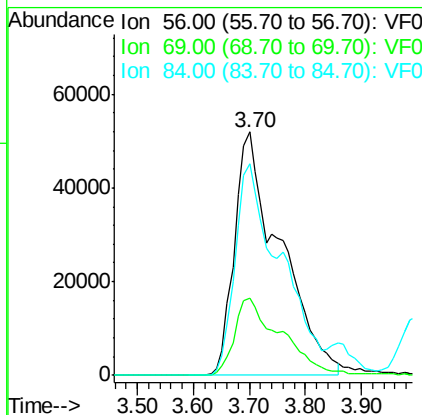
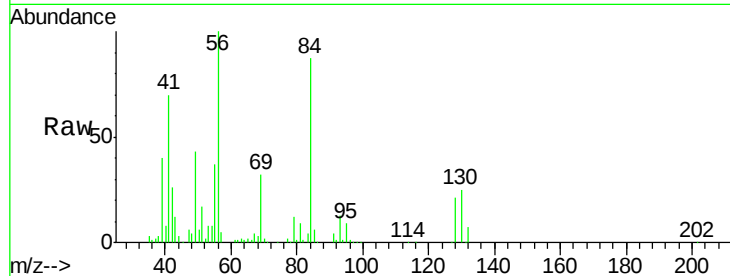
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	292007
Ion	Ratio	Lower	Upper
56	100		
69	31.8	28.7	43.1
84	87.0	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 84.713 ug/l

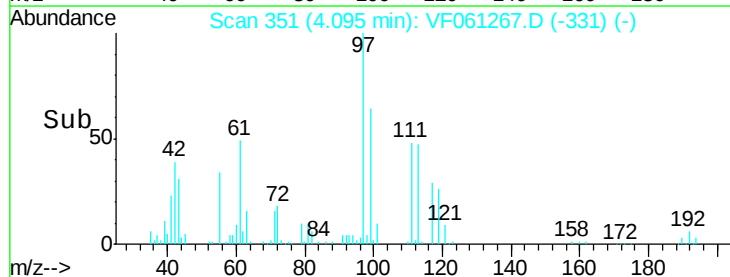
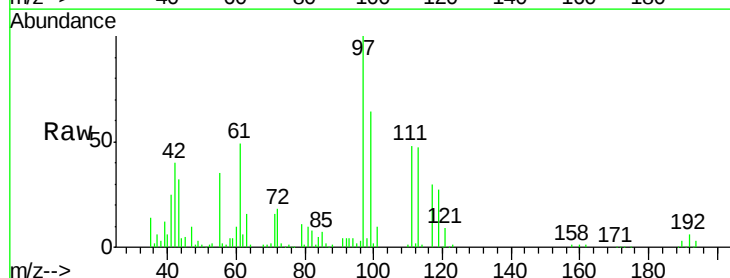
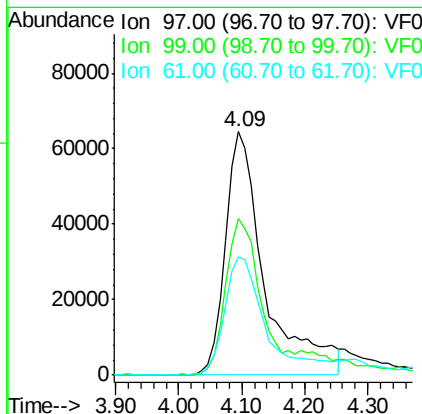
RT: 4.09 min Scan# 351

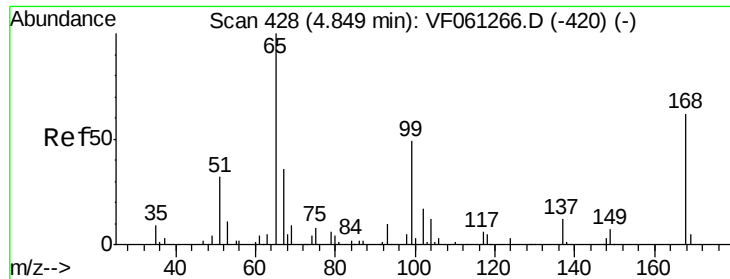
Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	97	Resp:	281301
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	48.8	39.6	59.4





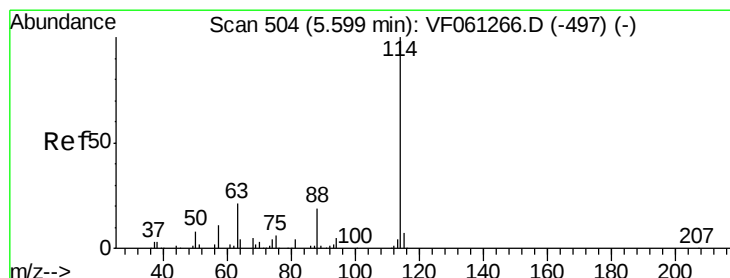
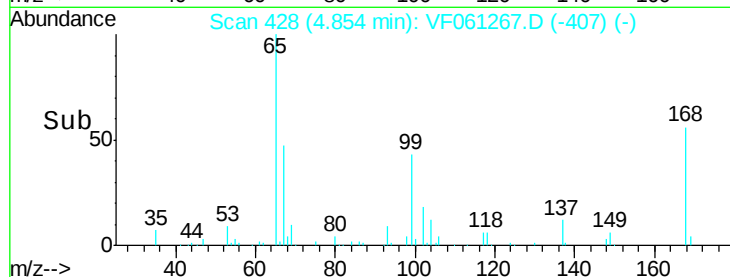
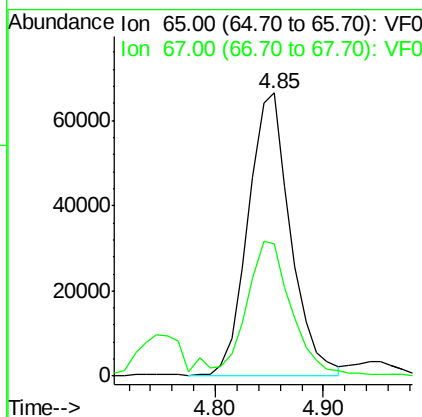
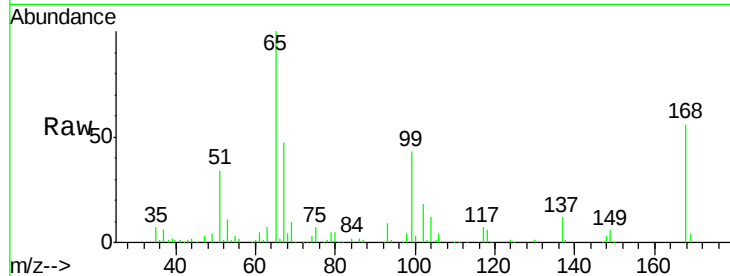
#33
 1,2-Dichloroethane-d4
 Concen: 72.871 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183004		
67	46.8	0.0	90.4	

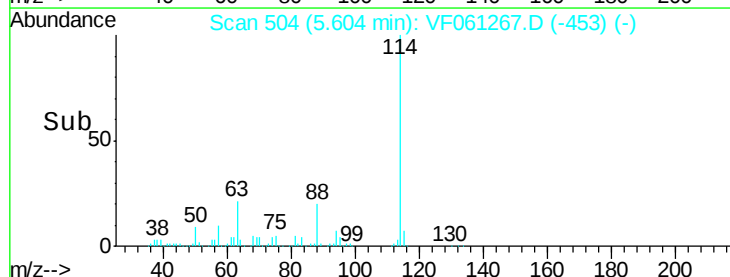
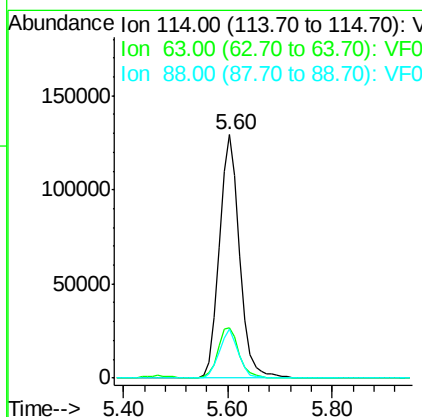
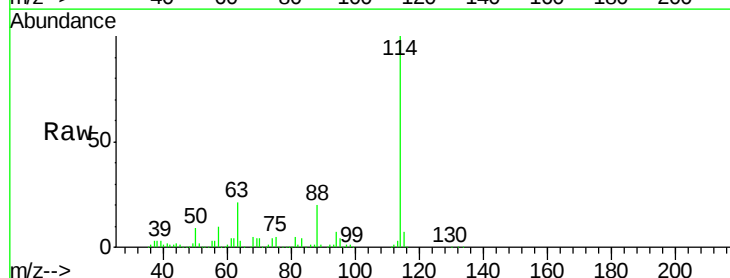
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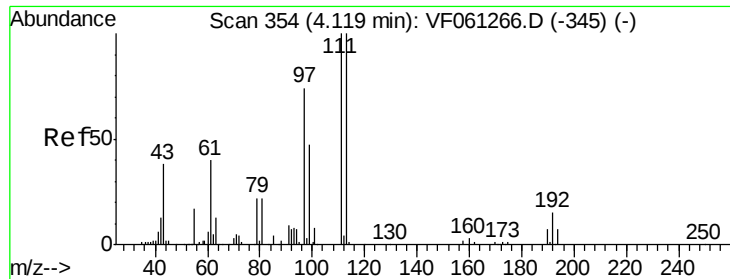
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	347625		
63	20.8	0.0	41.8	
88	20.4	0.0	38.4	





#35

Dibromofluoromethane

Concen: 70.302 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

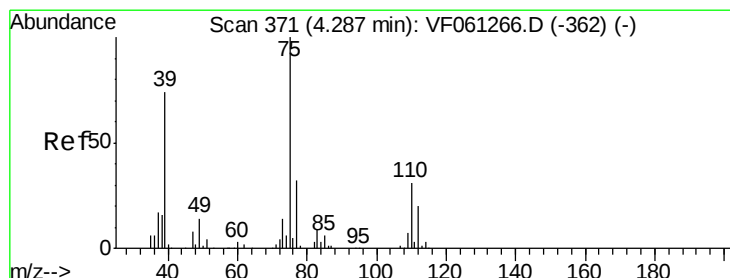
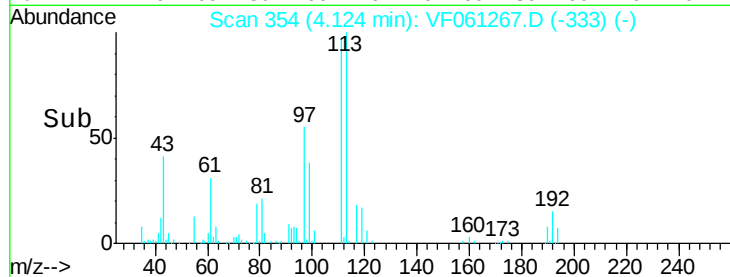
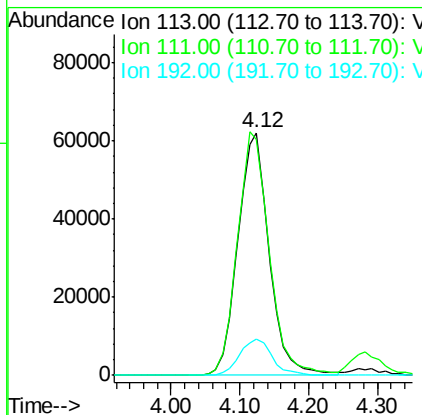
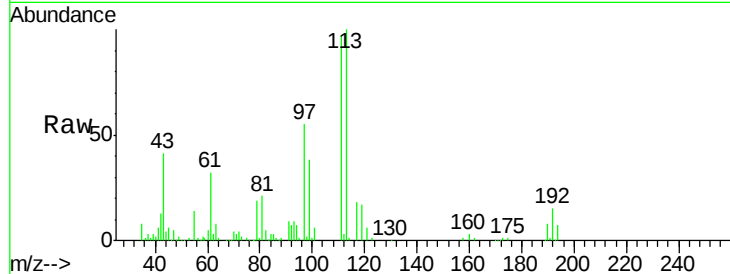
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	195268
Ion Ratio	Lower	Upper	
113	100		
111	97.0	79.8	119.6
192	15.2	11.9	17.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 70.557 ug/l

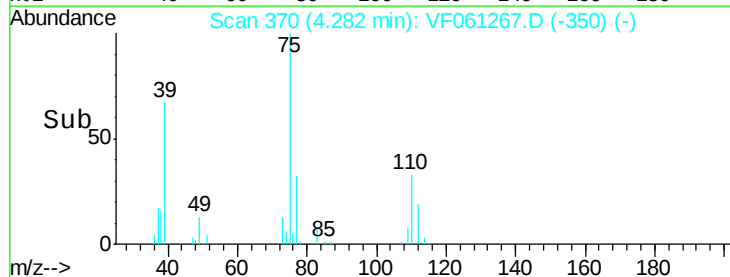
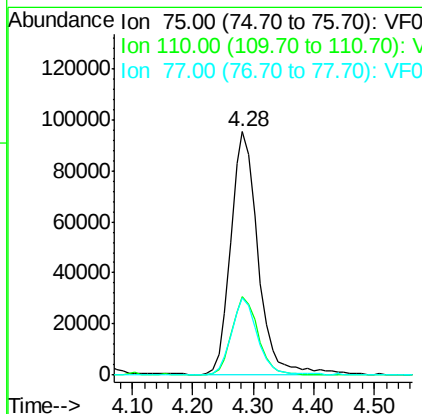
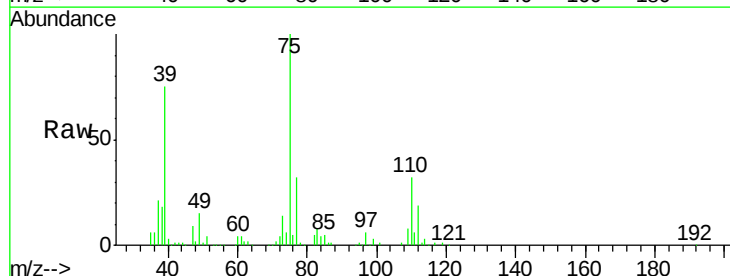
RT: 4.28 min Scan# 370

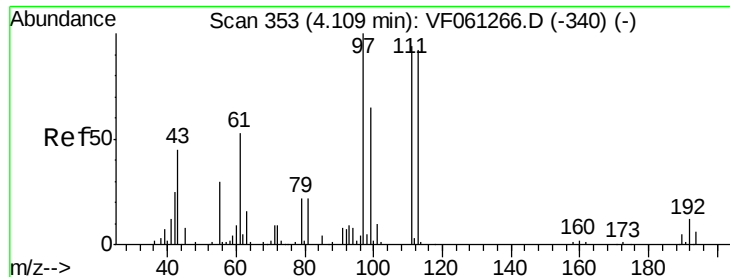
Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	75	Resp:	296653
Ion Ratio	Lower	Upper	
75	100		
110	32.4	15.4	46.4
77	31.8	25.6	38.4





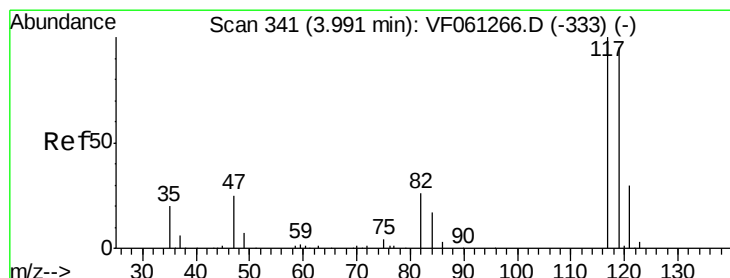
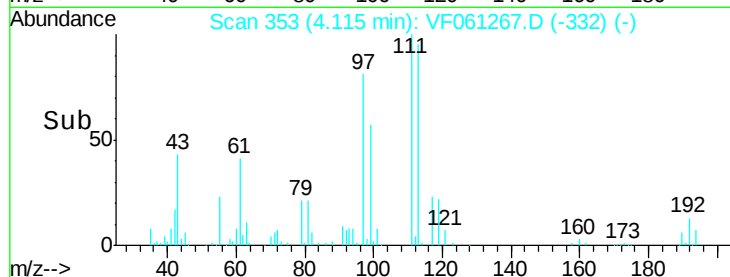
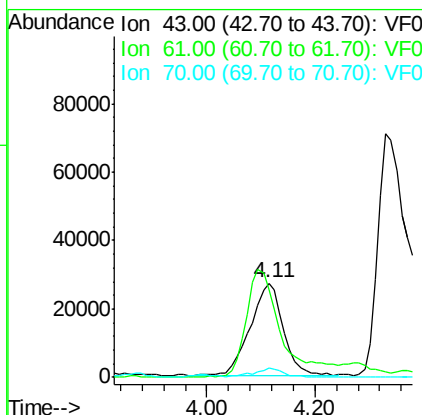
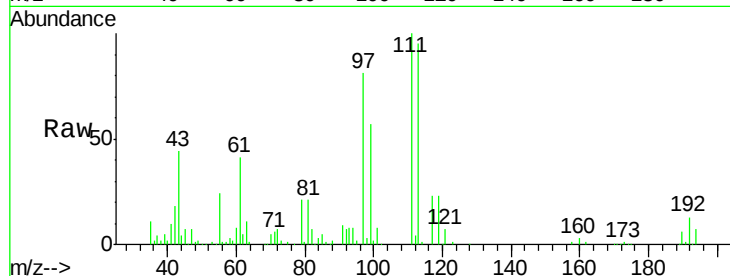
#37
Ethyl Acetate
Concen: 66.769 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	43	61	70	Ratio	Lower	Upper
113345	100	92.7	10.3			
		91.2	7.1		136.8	10.7

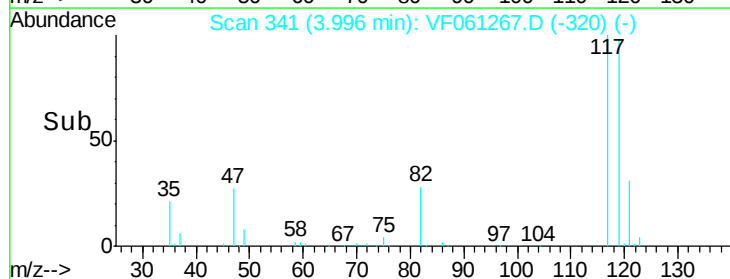
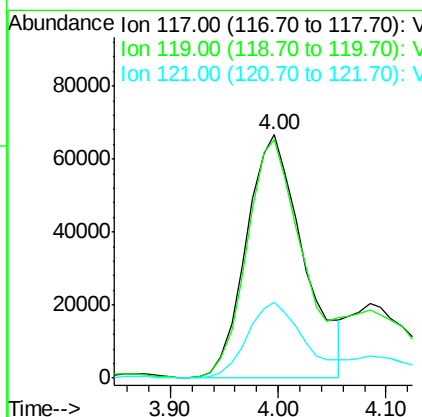
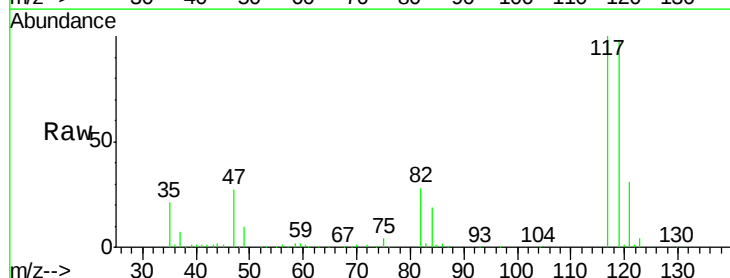
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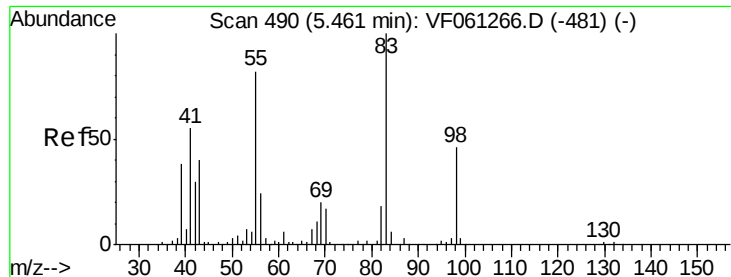
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#38
Carbon Tetrachloride
Concen: 75.052 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	117	119	121	Ratio	Lower	Upper
243376	100	98.0	31.3			
		76.0	23.8		114.0	35.8





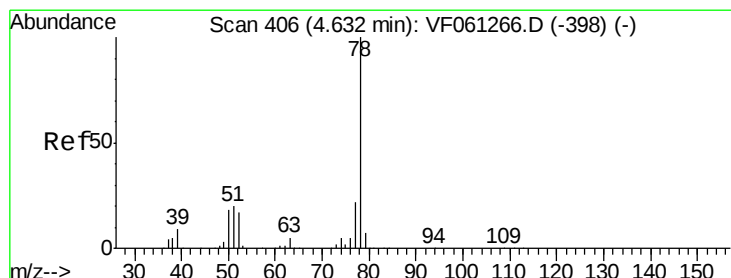
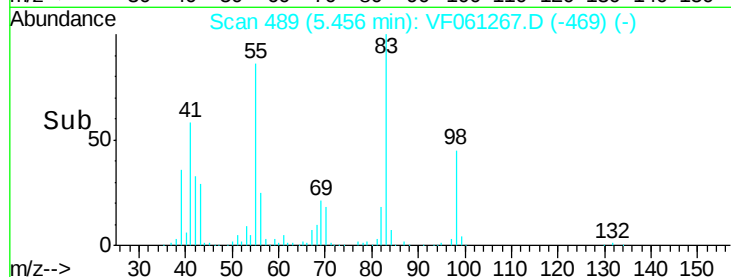
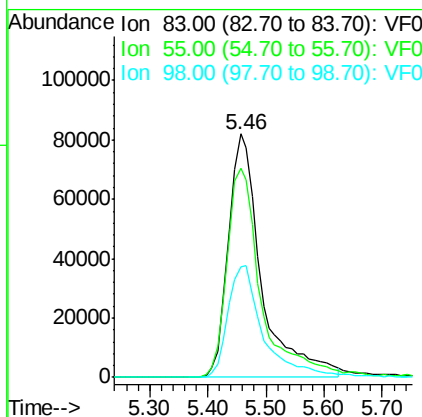
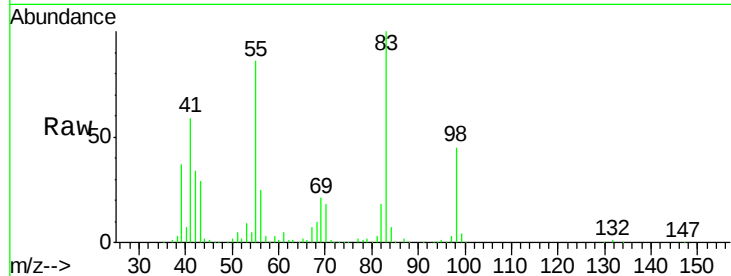
#39
Methvlcvclohexane
Concen: 84.522 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	65.6	98.4
98	45.5	36.7	55.1

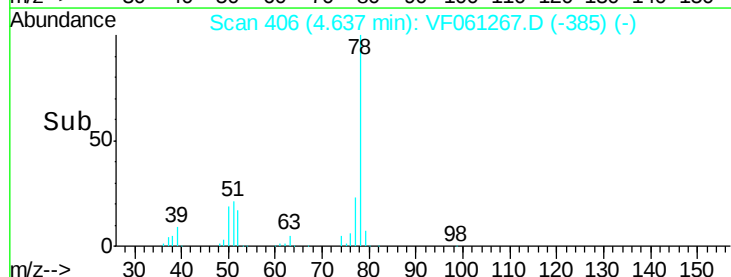
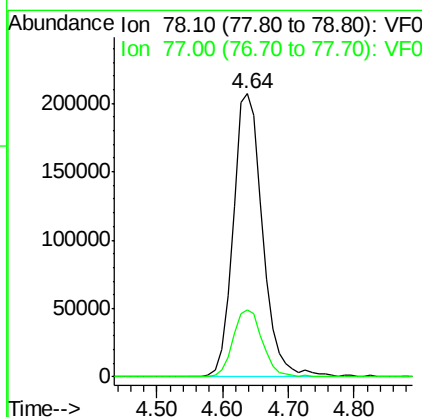
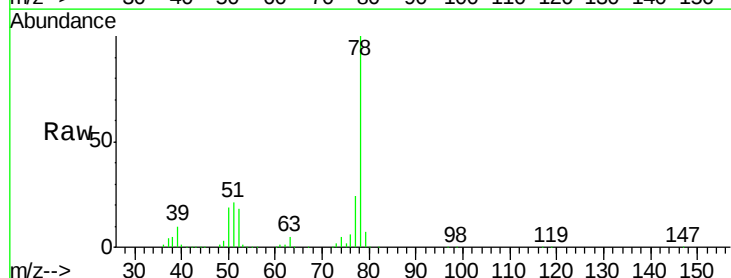
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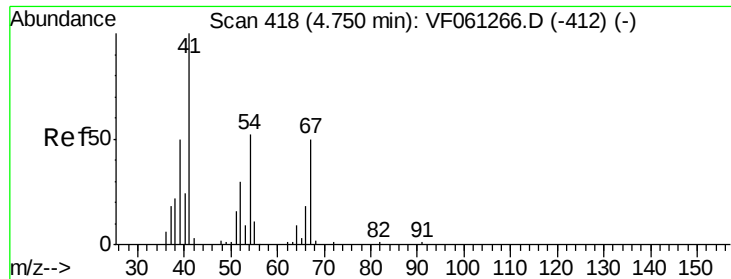
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#40
Benzene
Concen: 71.147 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.0	27.0





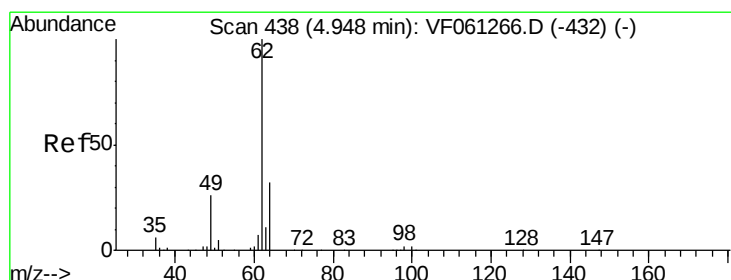
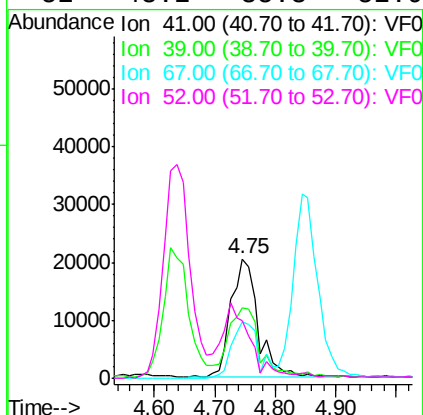
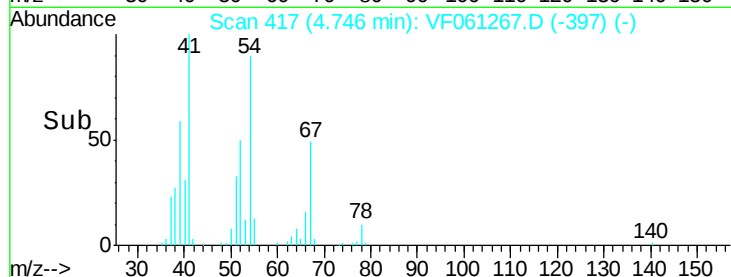
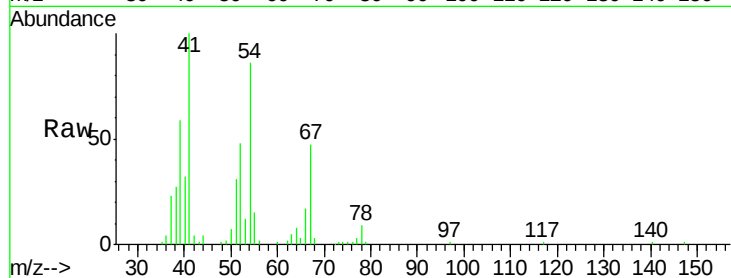
#41
Methacrylonitrile
Concen: 74.331 ug/l
RT: 4.75 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:	41	Resp:	64664
Ion	Ratio	Lower	Upper
41	100		
39	59.1	44.6	66.8
67	47.2	39.3	58.9
52	48.2	35.3	52.9

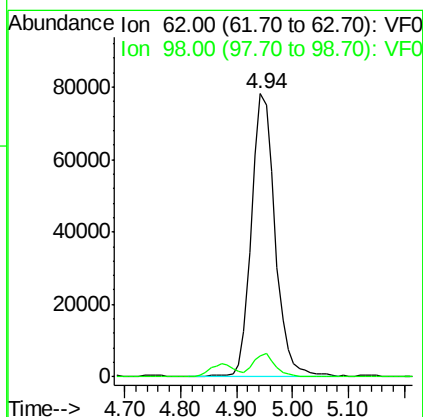
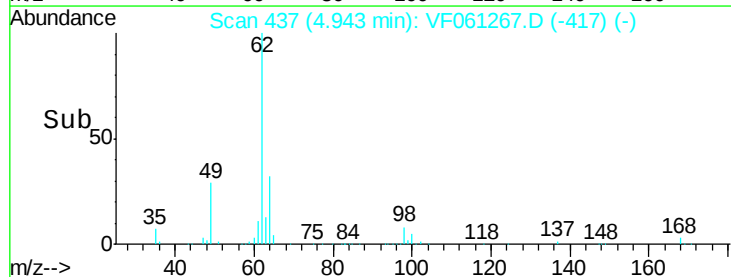
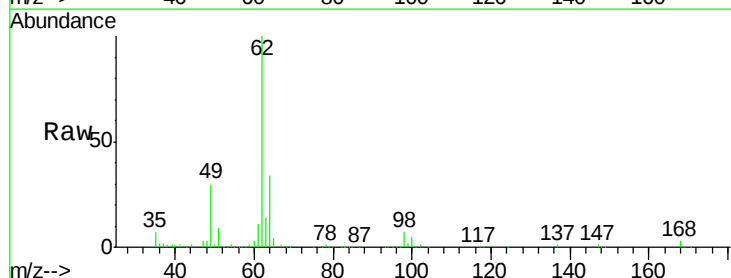
Manual Integrations
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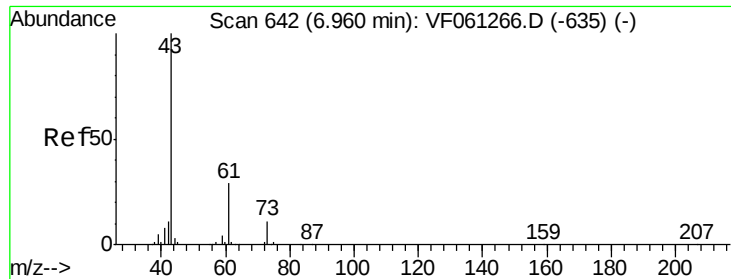
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#42
1,2-Dichloroethane
Concen: 69.114 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion:	62	Resp:	231228
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	13.4





#43

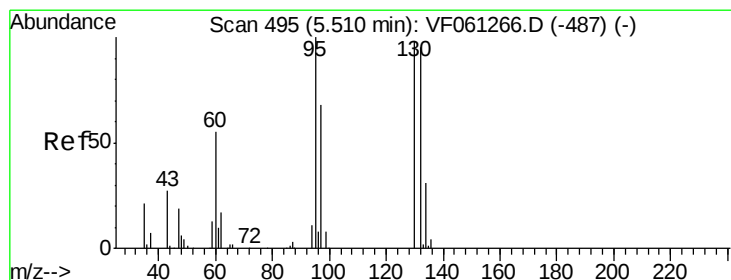
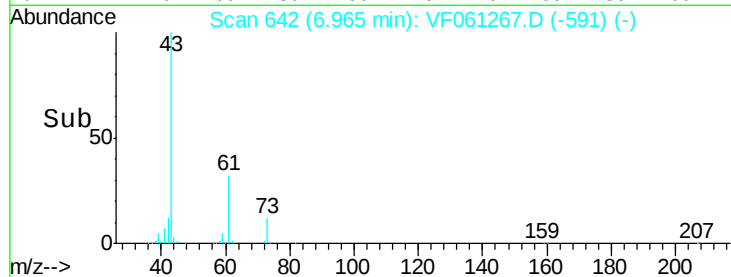
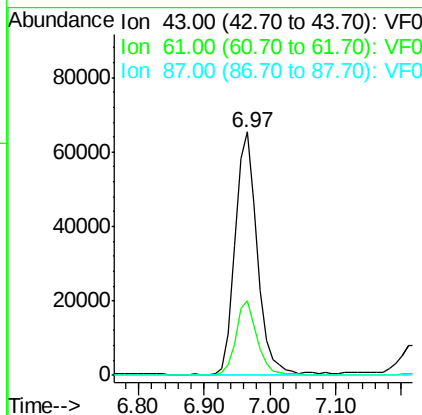
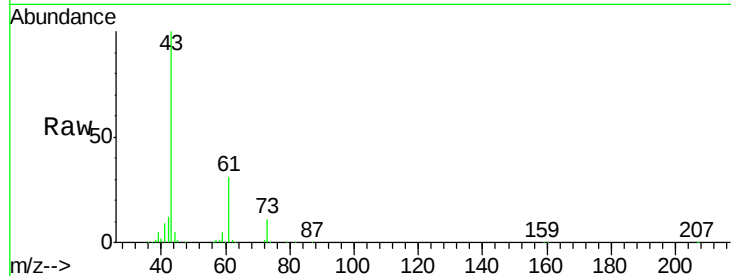
Isopropyl Acetate
 Concen: 76.723 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.4	35.2
87	0.3	0.3	0.5

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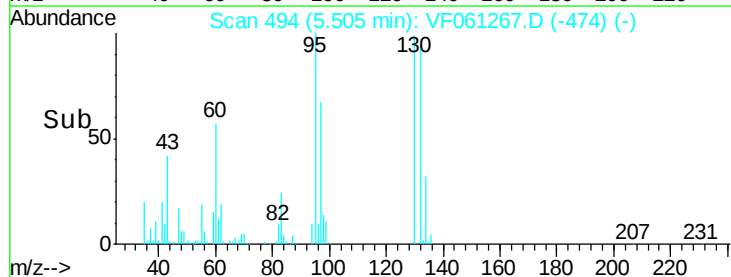
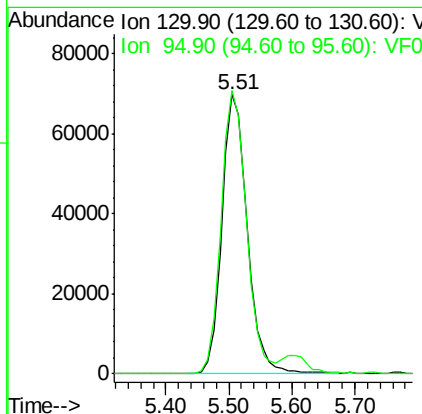
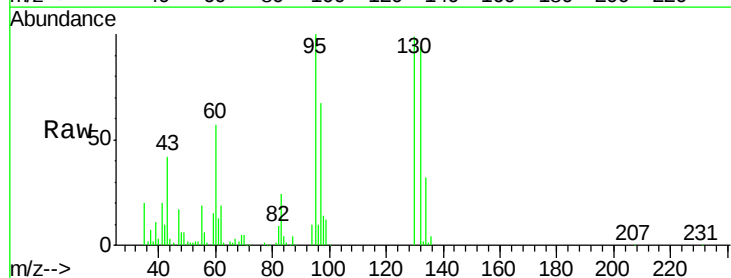
apatel
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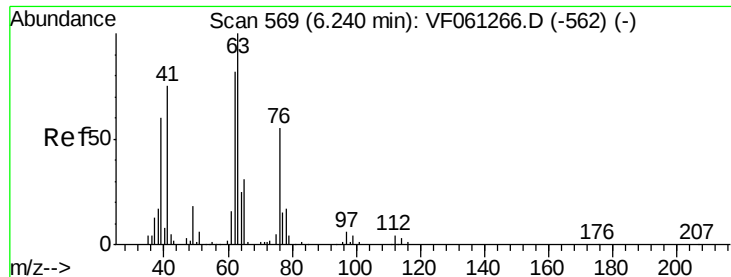


#44

Trichloroethene
 Concen: 69.068 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	204.0





#45

1,2-Dichloropropane

Concen: 73.767 ug/l

RT: 6.24 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 181600

Ion Ratio Lower Upper

63 100

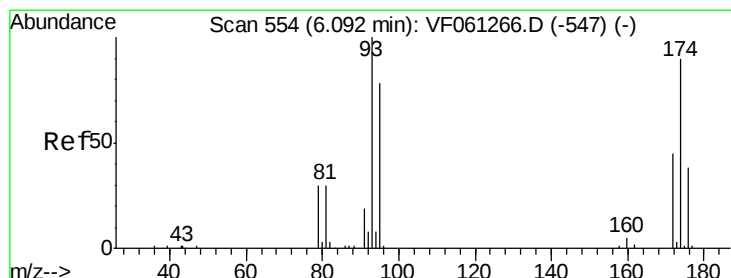
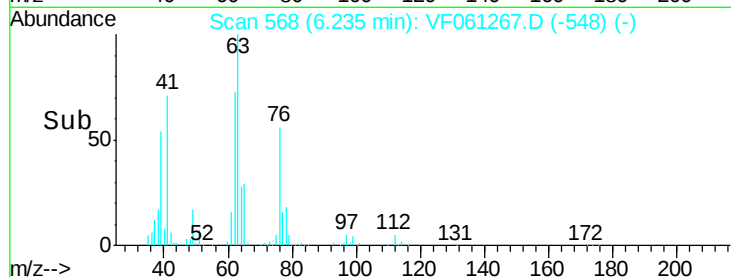
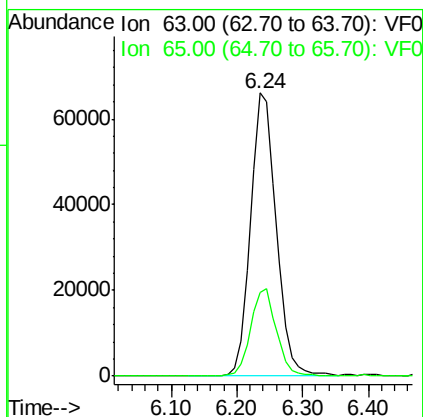
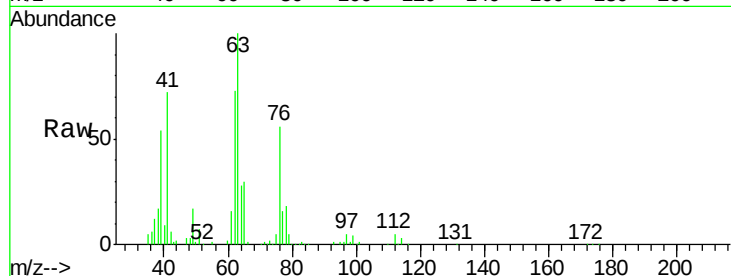
65 29.7 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 73.566 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

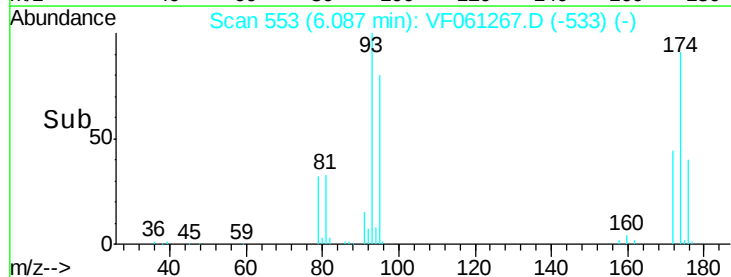
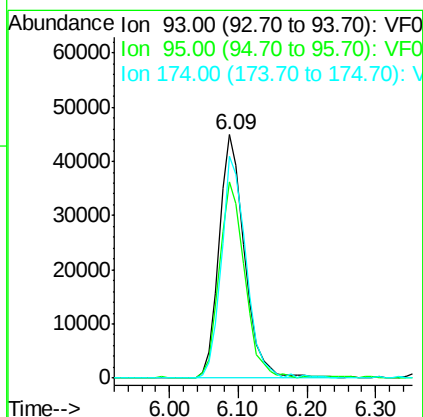
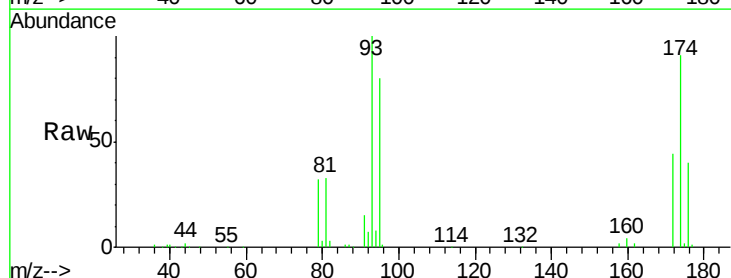
Tgt Ion: 93 Resp: 115687

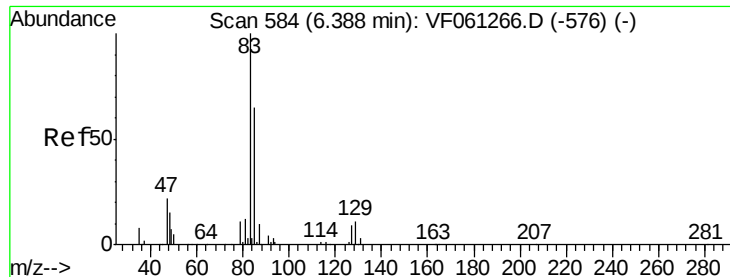
Ion Ratio Lower Upper

93 100

95 80.4 62.4 93.6

174 91.3 71.9 107.9





#47

Bromodichloromethane

Concen: 72.679 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

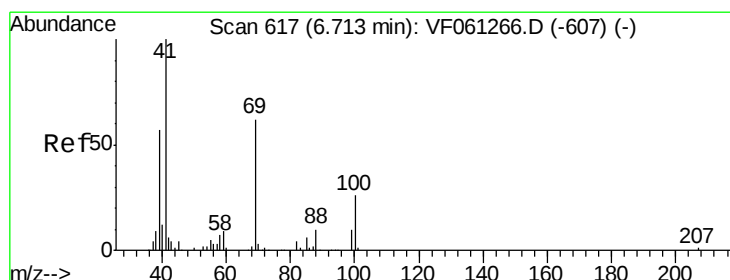
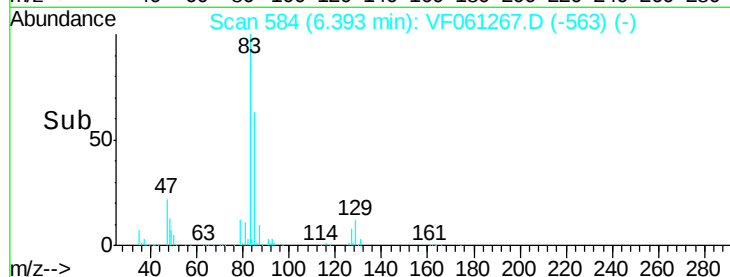
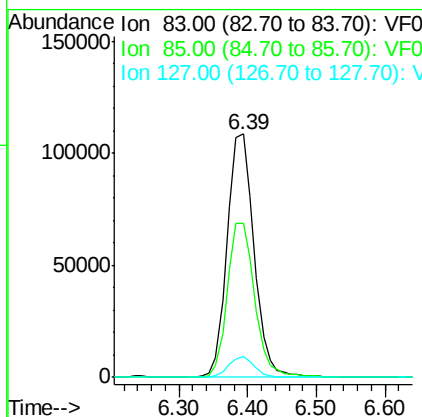
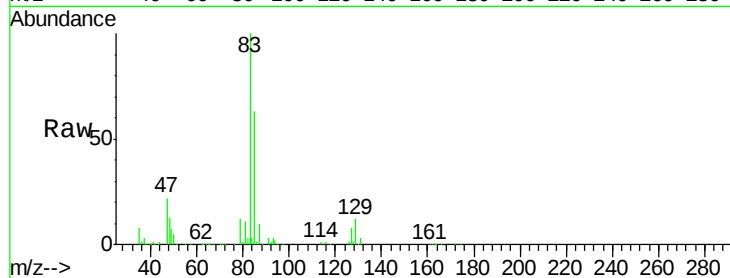
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	295839
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1
127	8.5	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 74.506 ug/l

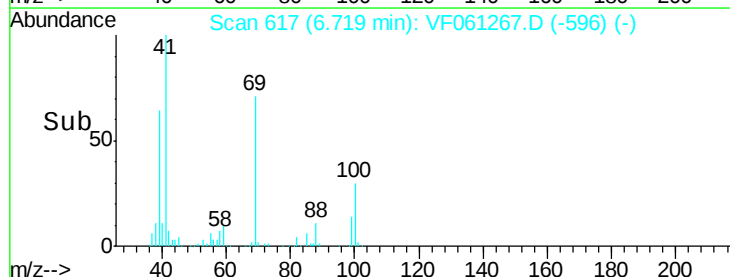
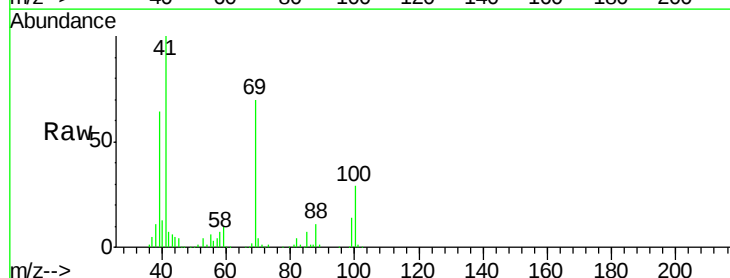
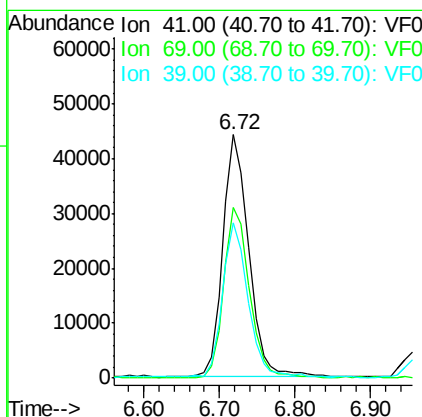
RT: 6.72 min Scan# 617

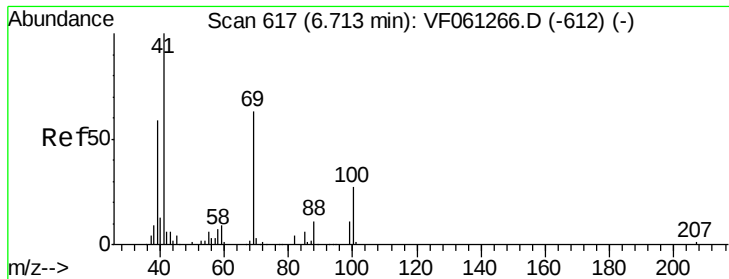
Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	41	Resp:	105365
Ion	Ratio	Lower	Upper
41	100		
69	69.9	49.8	74.8
39	63.8	46.4	69.6





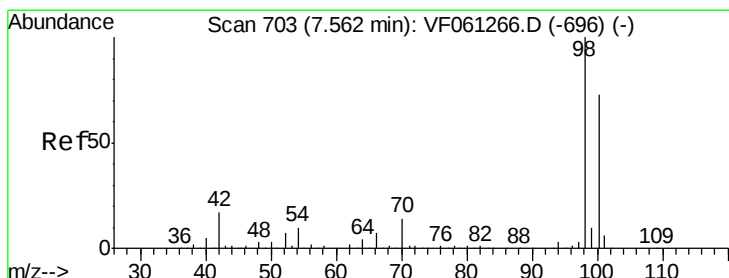
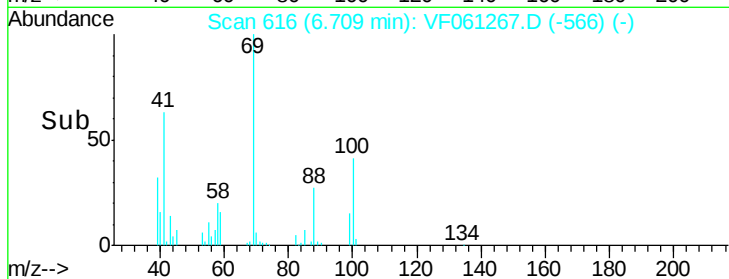
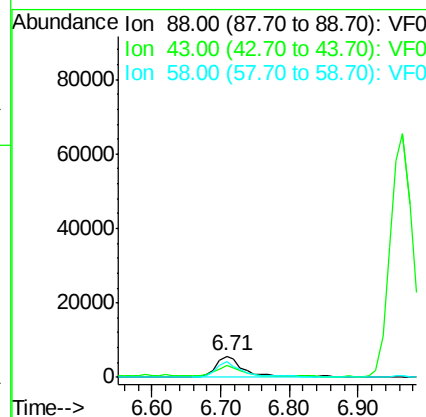
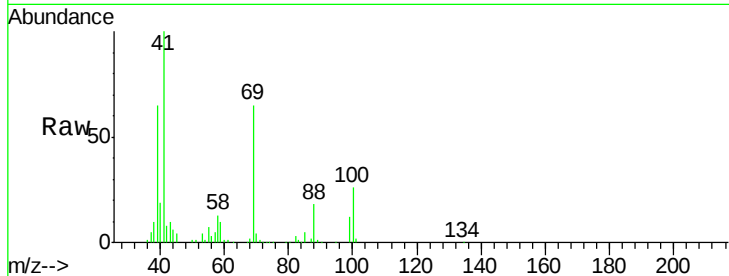
#49
1,4-Dioxane
Concen: 1637.120 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.4	55.2	82.8
58	71.4	50.9	76.3

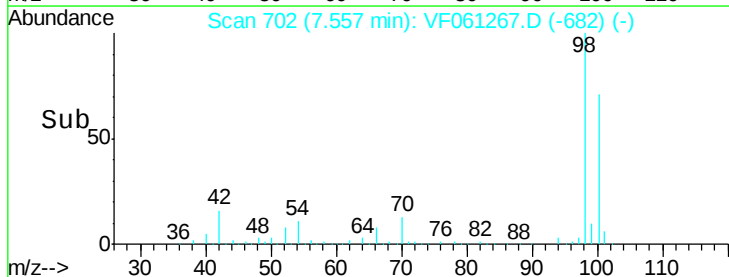
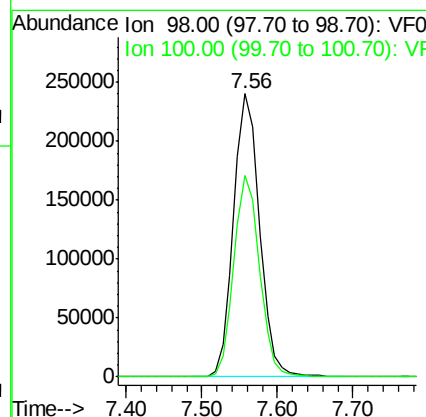
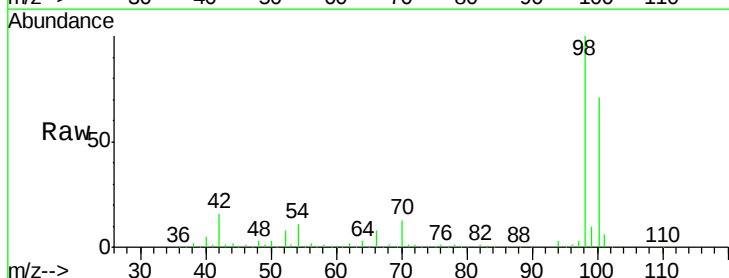
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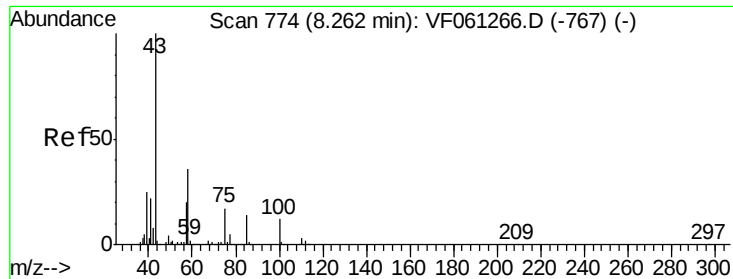
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#50
Toluene-d8
Concen: 72.200 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.2	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 374.722 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 519395

Ion Ratio Lower Upper

43 100

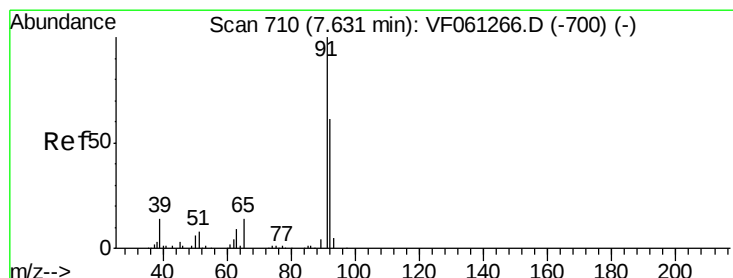
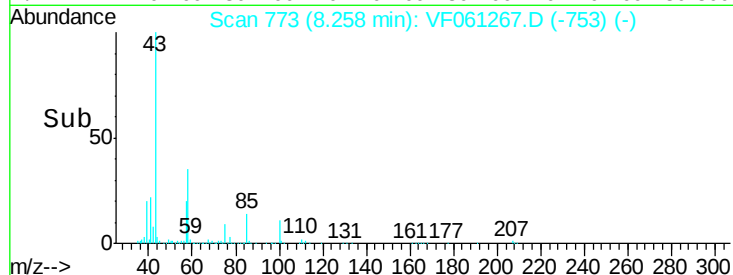
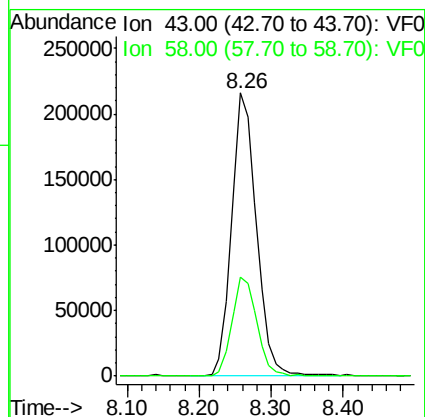
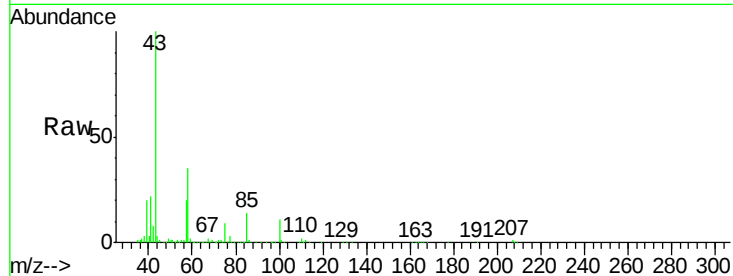
58 35.1 29.1 43.7

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#52

Toluene

Concen: 68.864 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061267.D

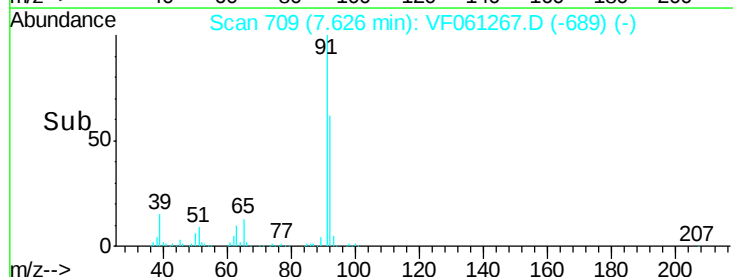
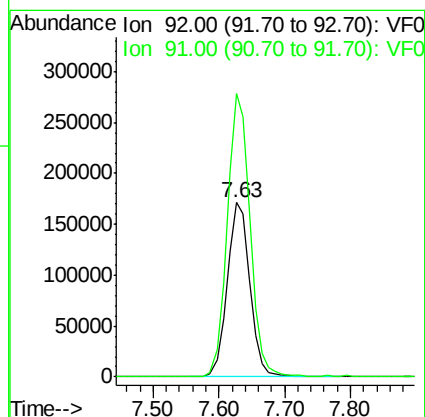
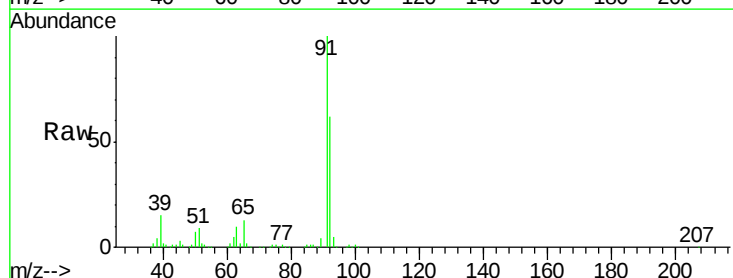
Acq: 3 Jan 2019 16:14

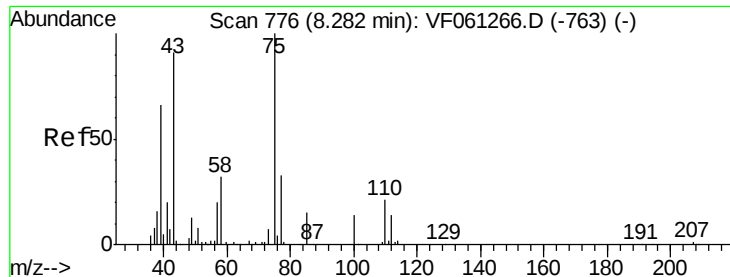
Tgt Ion: 92 Resp: 414360

Ion Ratio Lower Upper

92 100

91 162.3 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 68.417 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tot Ion: 75 Resp: 226968

Ion Ratio Lower Upper

75 100

77 32.8 26.8 40.2

Instrument :

MSVOA_F

ClientSampleId :

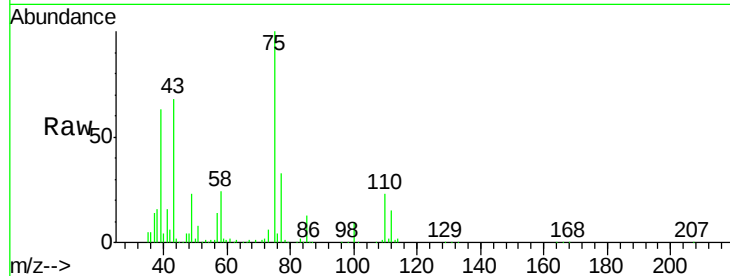
VSTDIC075

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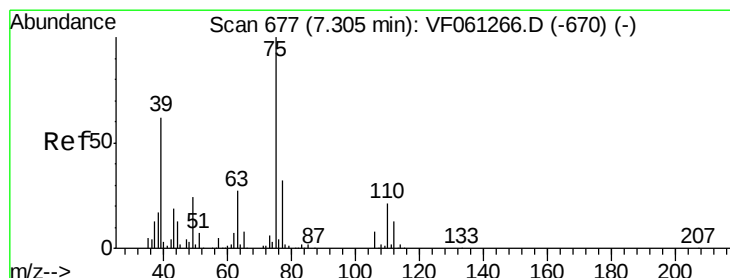
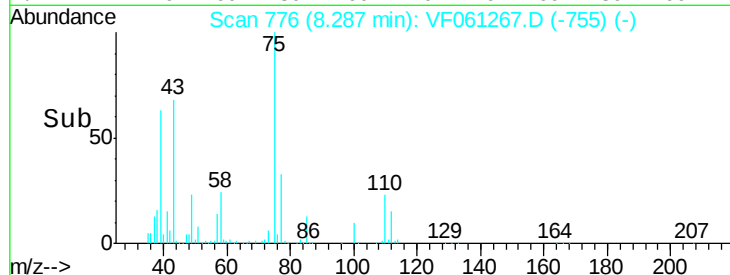
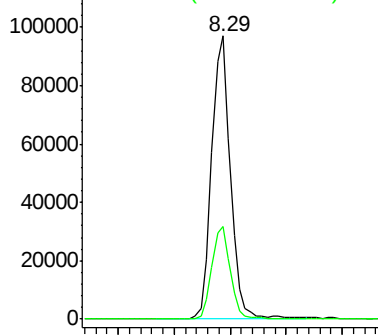
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 71.471 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

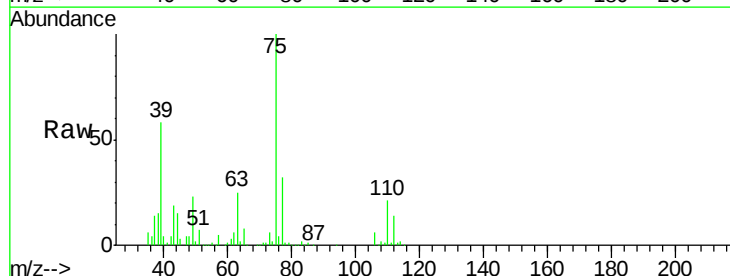
Tgt Ion: 75 Resp: 298083

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

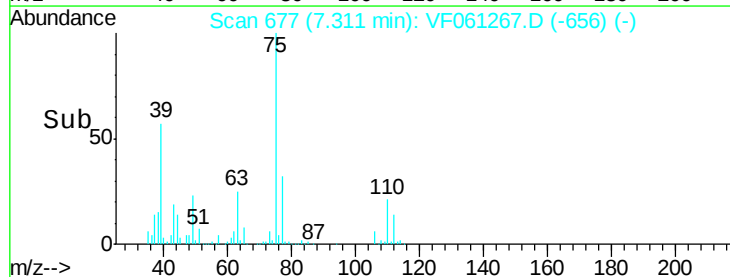
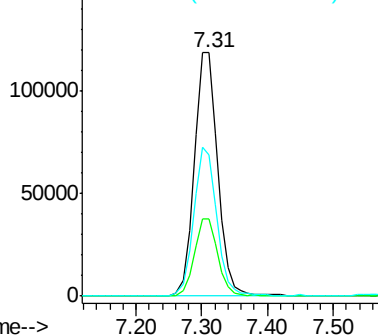
39 57.9 49.5 74.3

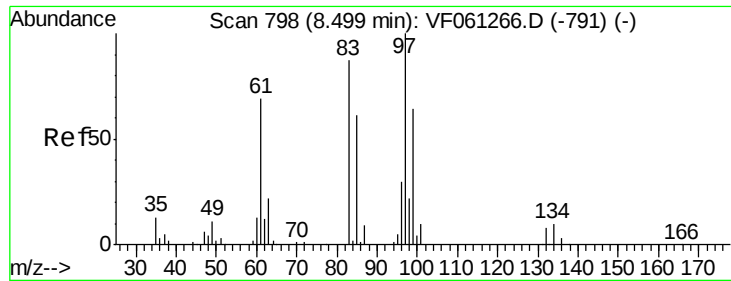


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 71.723 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

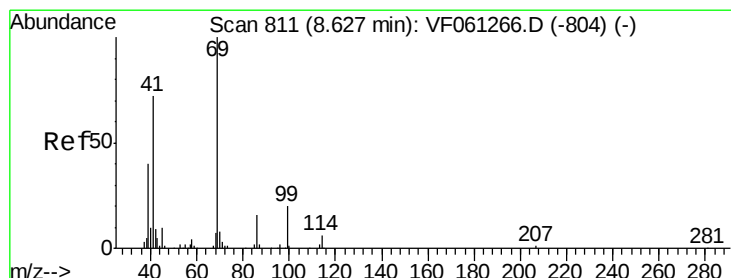
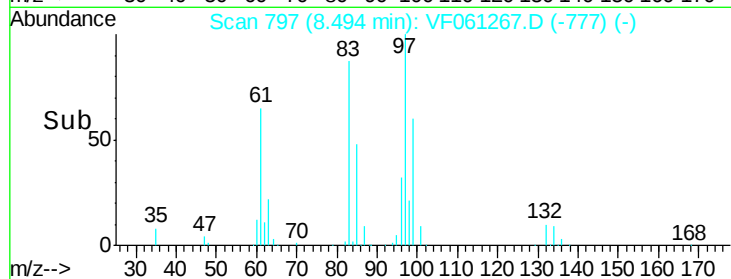
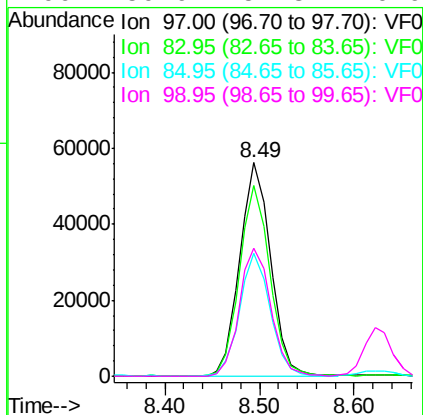
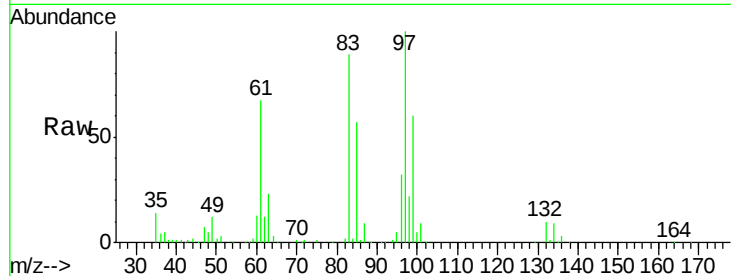
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	128219
Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.7	104.5
85	57.5	49.1	73.7
99	59.9	51.3	76.9

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#56

Ethyl methacrylate

Concen: 69.584 ug/l

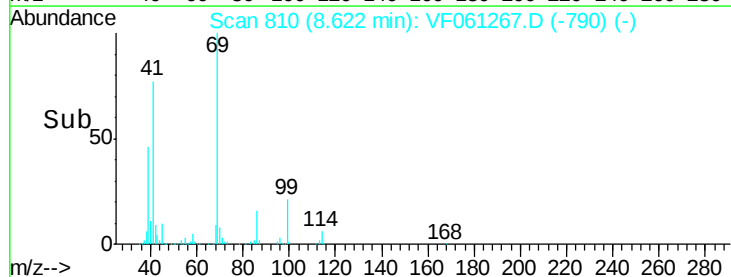
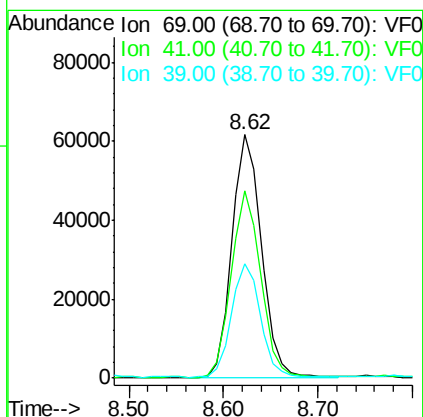
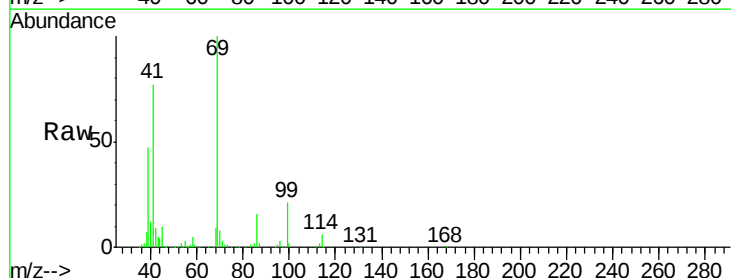
RT: 8.62 min Scan# 810

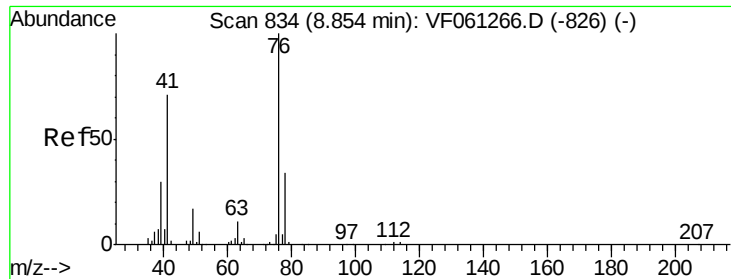
Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	69	Resp:	134342
Ion	Ratio	Lower	Upper
69	100		
41	76.9	58.1	87.1
39	46.8	32.6	49.0





#57

1,3-Dichloropropane

Concen: 72.882 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 236211

Ion Ratio Lower Upper

76 100

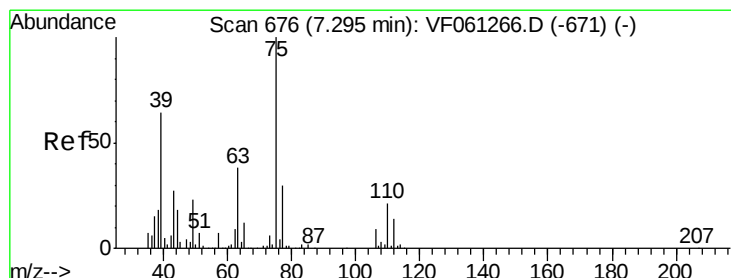
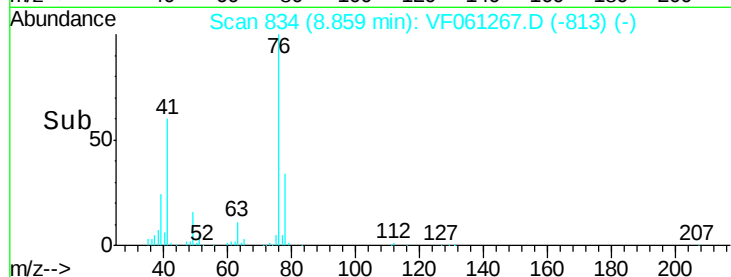
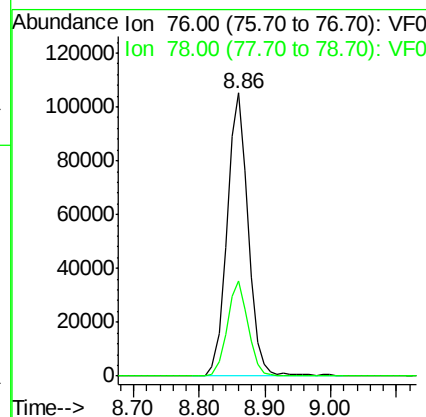
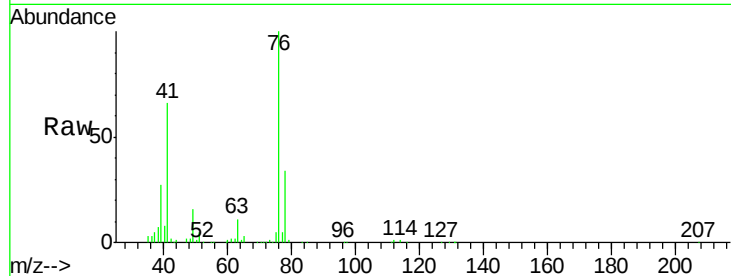
78 33.5 26.8 40.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 258.928 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061267.D

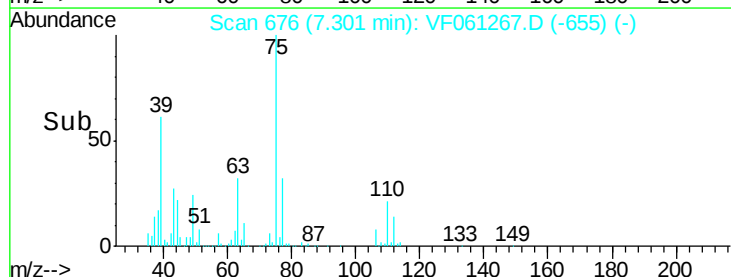
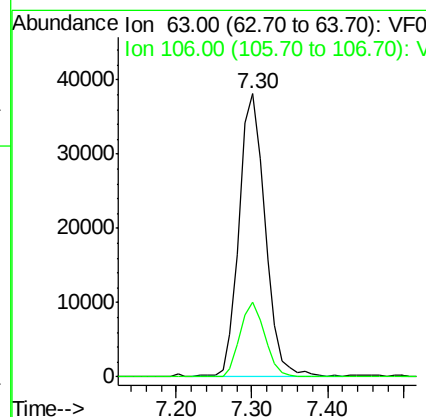
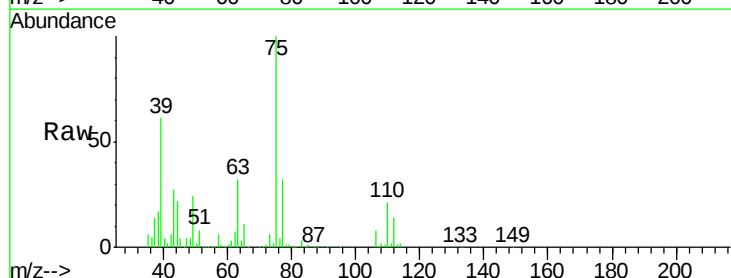
Acq: 3 Jan 2019 16:14

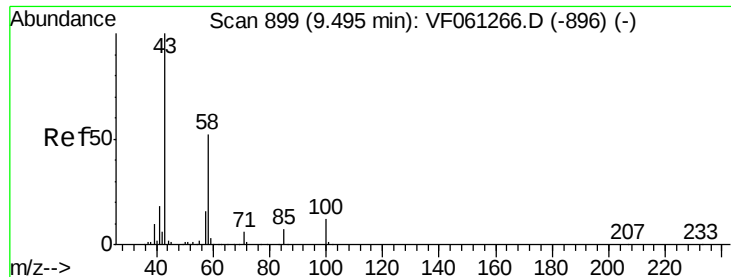
Tgt Ion: 63 Resp: 91128

Ion Ratio Lower Upper

63 100

106 26.4 19.2 28.8





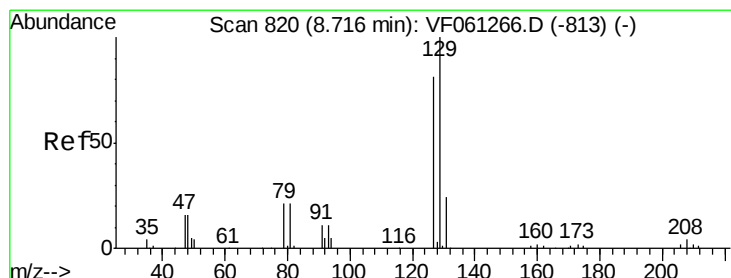
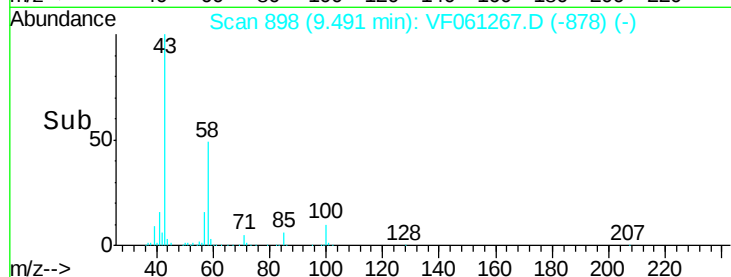
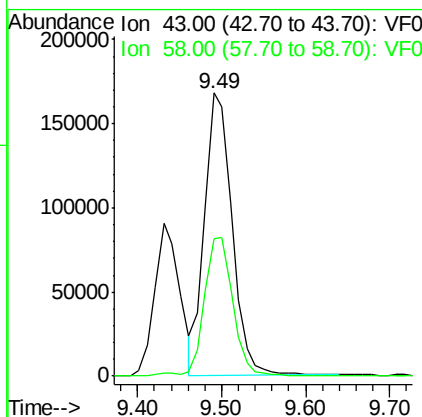
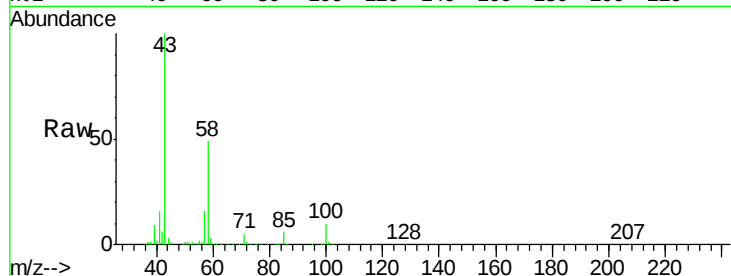
#59
2-Hexanone
Concen: 382.209 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 380846
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4

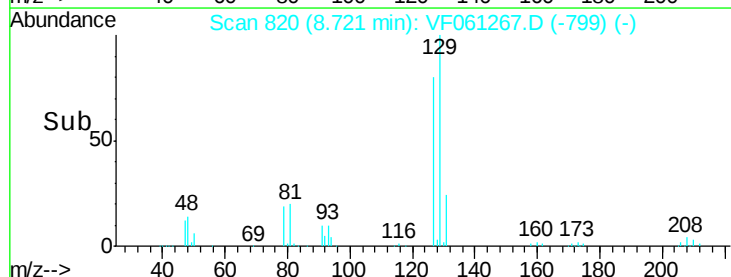
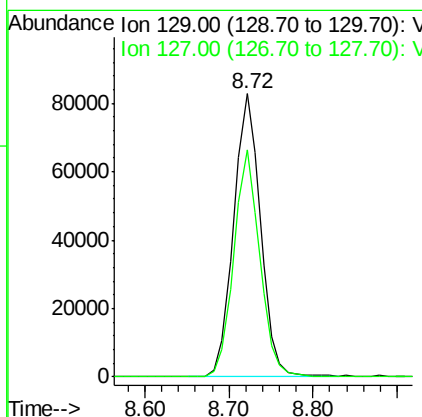
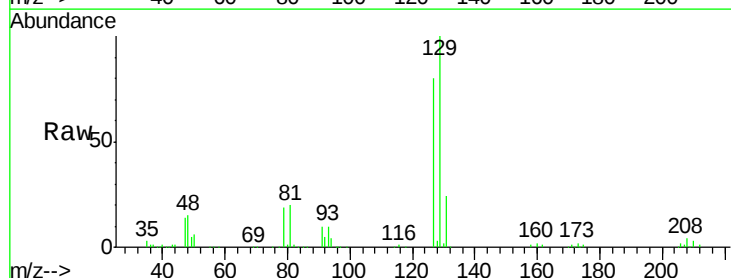
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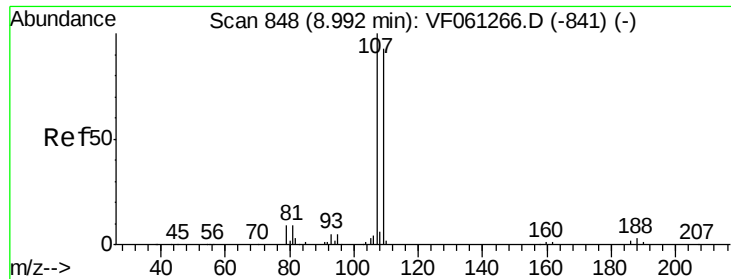
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#60
Dibromochloromethane
Concen: 73.219 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 129 Resp: 184765
Ion Ratio Lower Upper
129 100
127 80.2 40.7 122.1





#61

1,2-Dibromoethane

Concen: 71.071 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 135134

Ion Ratio Lower Upper

107 100

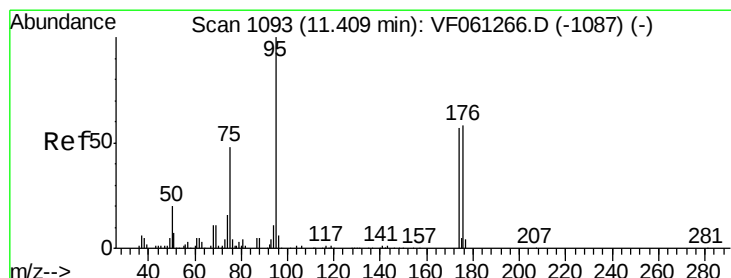
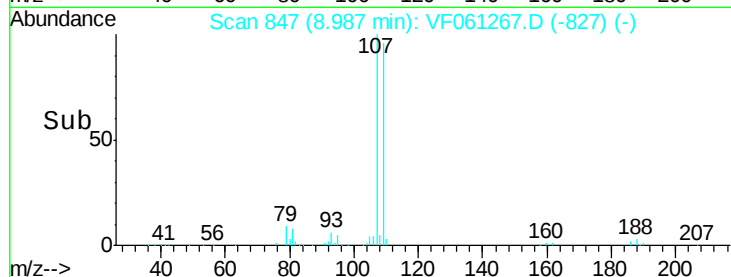
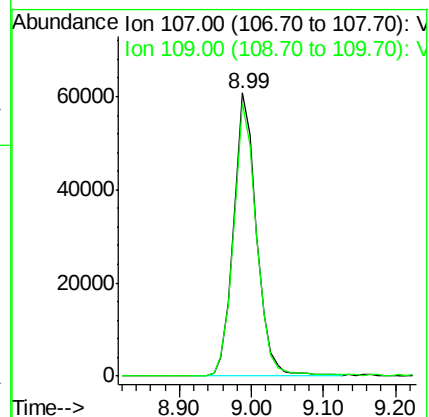
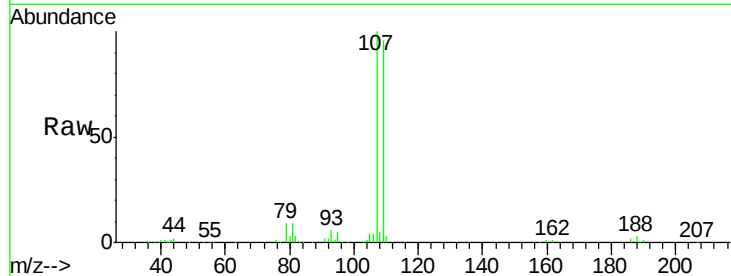
109 96.4 74.2 111.4

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#62

4-Bromofluorobenzene

Concen: 67.918 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

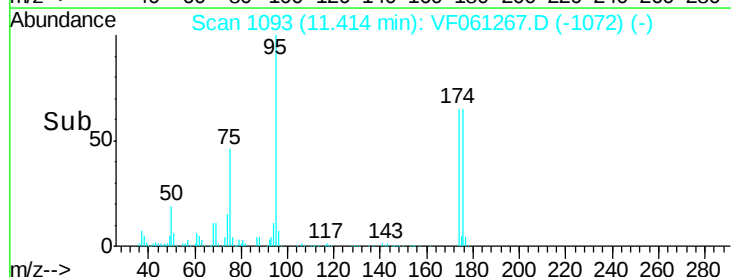
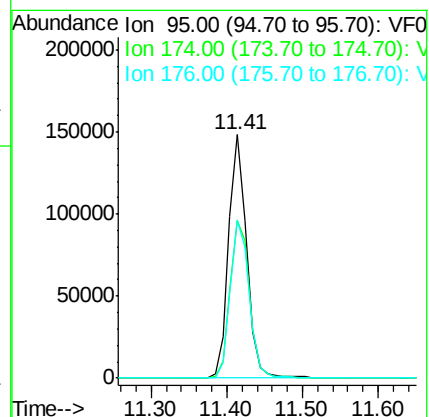
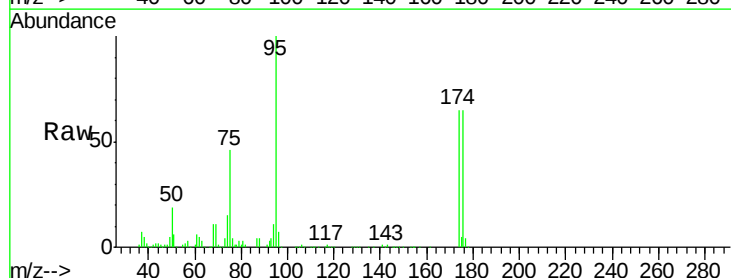
Tgt Ion: 95 Resp: 246527

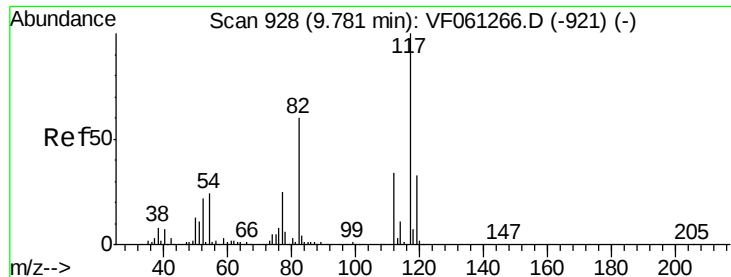
Ion Ratio Lower Upper

95 100

174 65.1 0.0 113.2

176 64.8 0.0 115.6





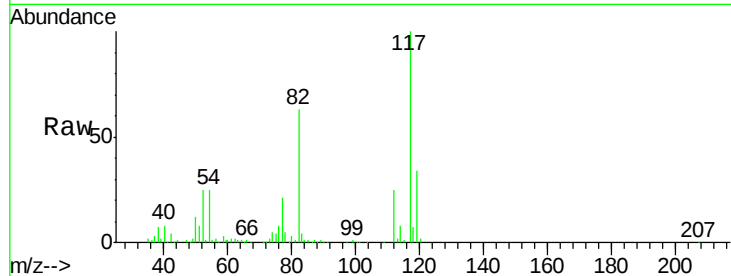
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

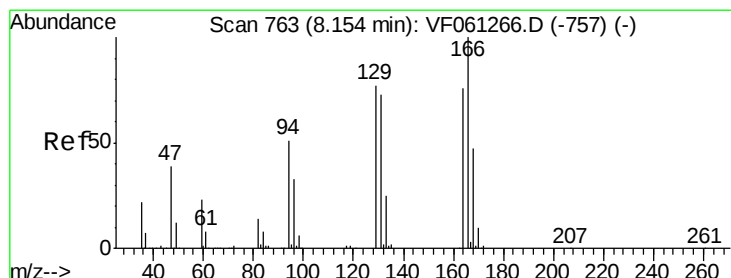
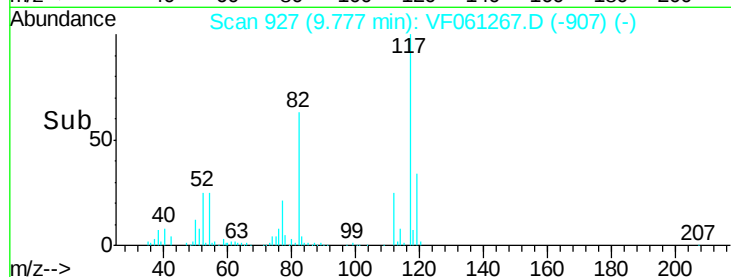
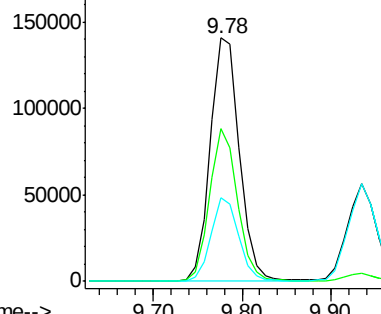
Tot Ion	Ratio	Resp	Lower	Upper
117	100	320350		
82	62.5		47.8	71.6
119	34.3		26.1	39.1

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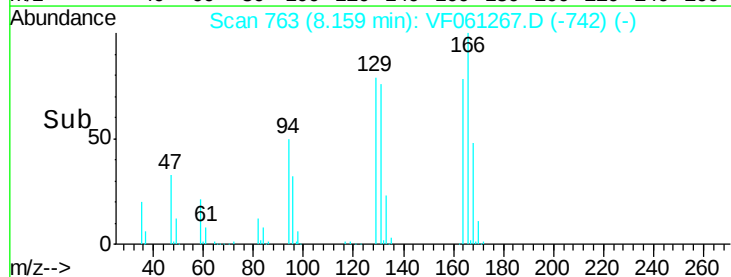
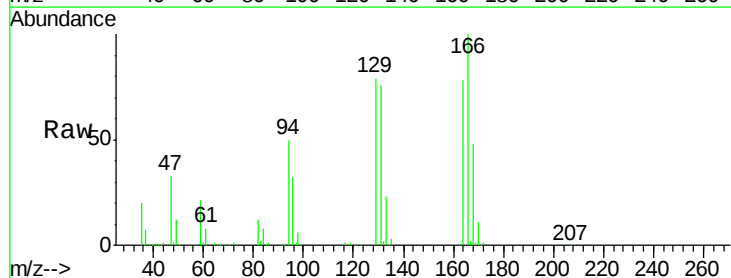
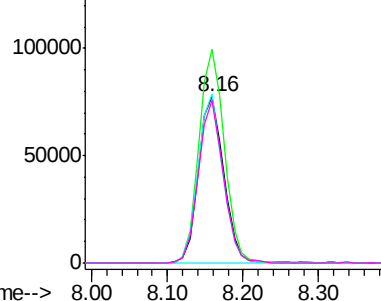
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

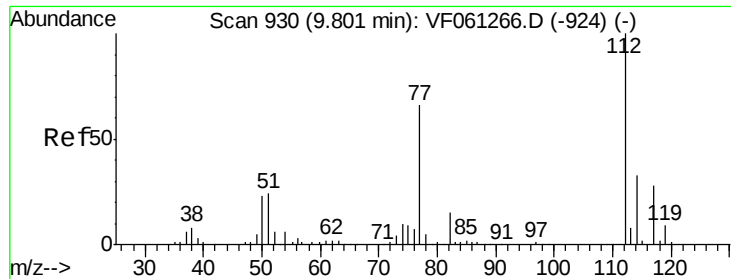


#64
Tetrachloroethene
Concen: 71.946 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179060		
166	128.8		105.1	157.7
129	101.9		81.0	121.6
131	97.8		77.1	115.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 69.445 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:112 Resp: 464865

Ion Ratio Lower Upper

112 100

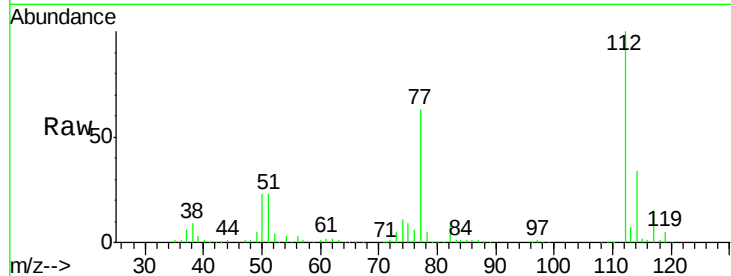
114 33.7 26.4 39.6

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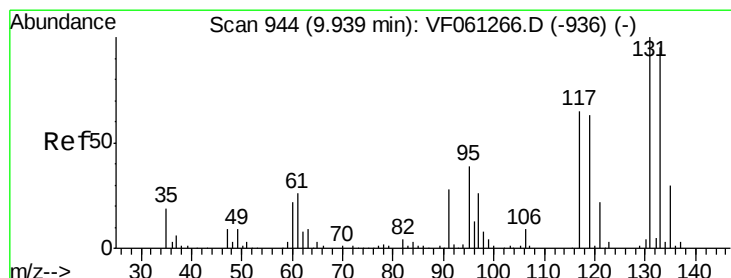
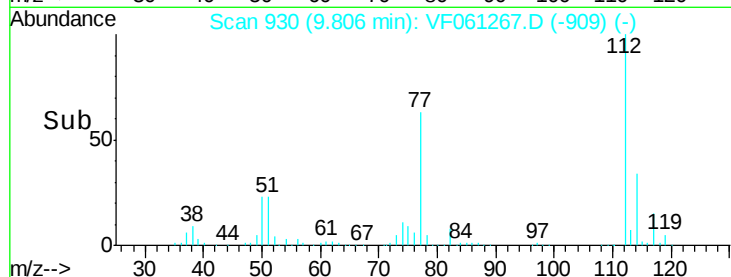
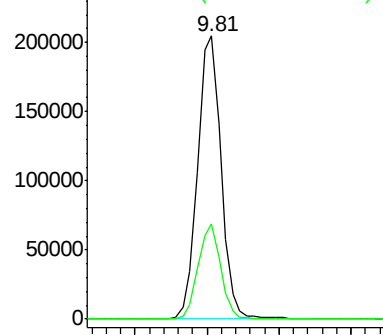
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 69.735 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

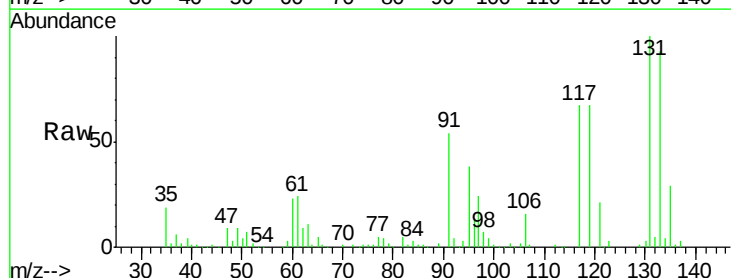
Tgt Ion:131 Resp: 190835

Ion Ratio Lower Upper

131 100

133 93.2 47.5 142.5

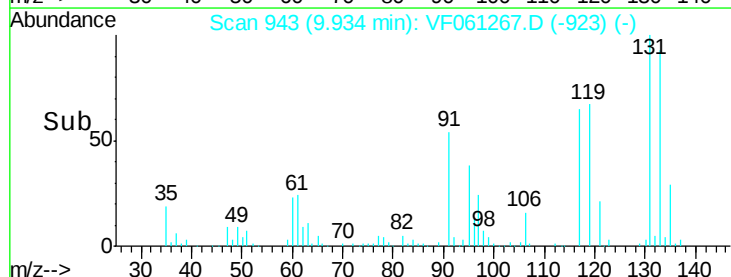
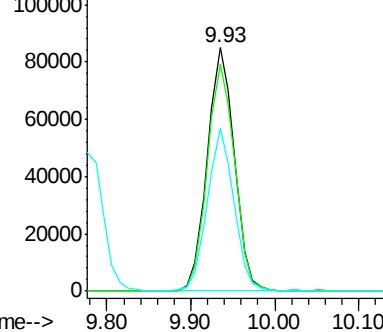
119 66.9 32.2 96.6

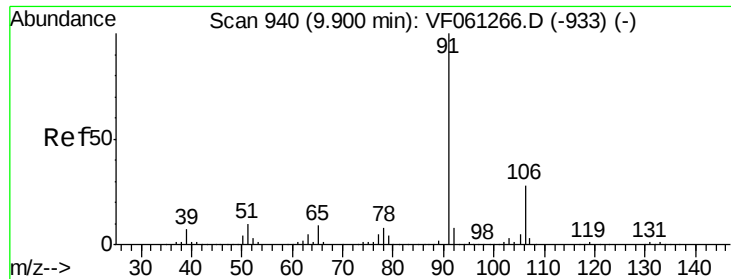


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 69.937 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 857612

Ion Ratio Lower Upper

91 100

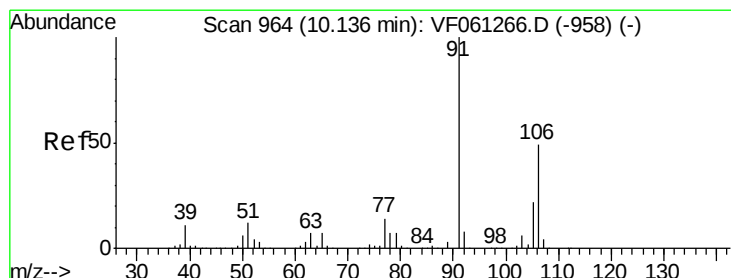
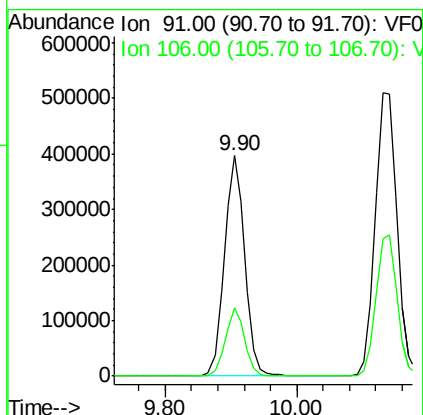
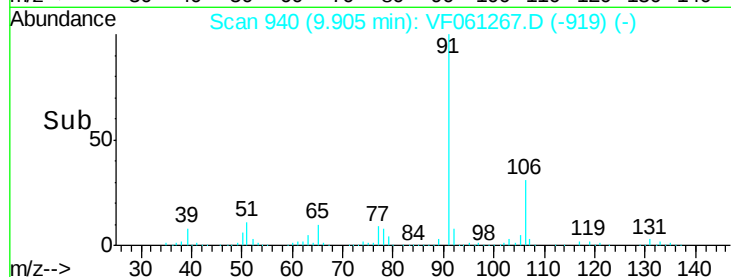
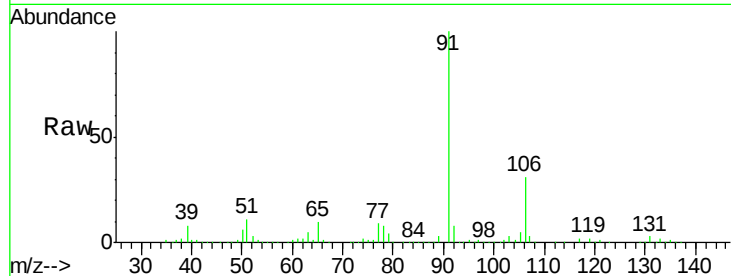
106 31.1 22.8 34.2

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#68

m/p-Xylenes

Concen: 134.707 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061267.D

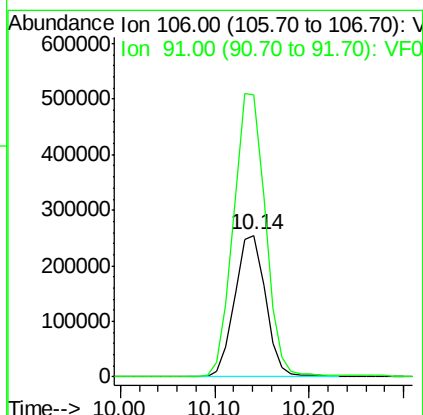
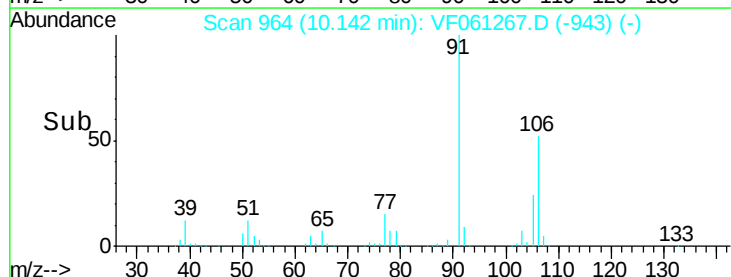
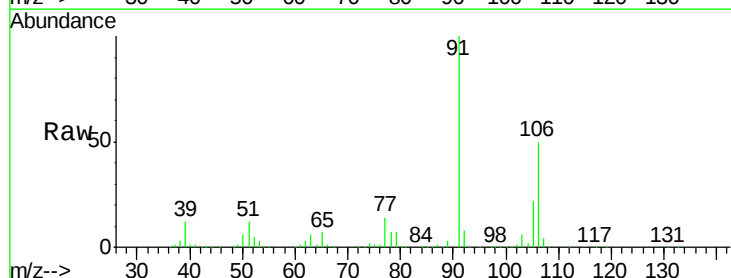
Acq: 3 Jan 2019 16:14

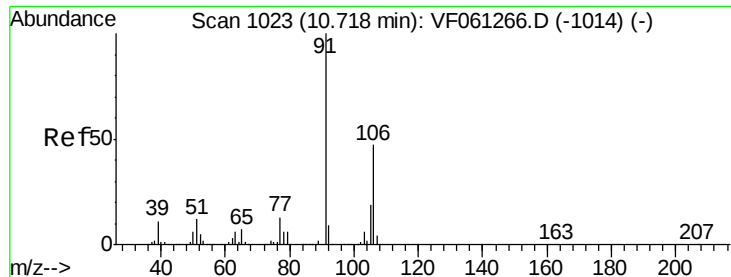
Tgt Ion: 106 Resp: 577462

Ion Ratio Lower Upper

106 100

91 198.8 164.8 247.2





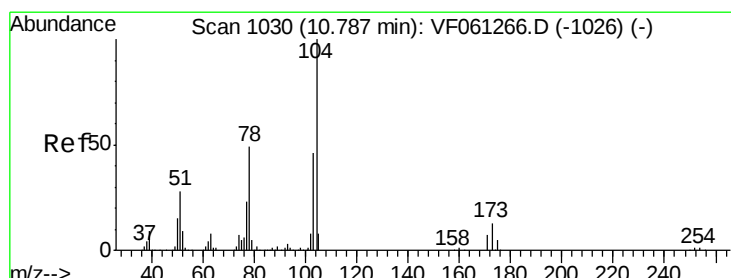
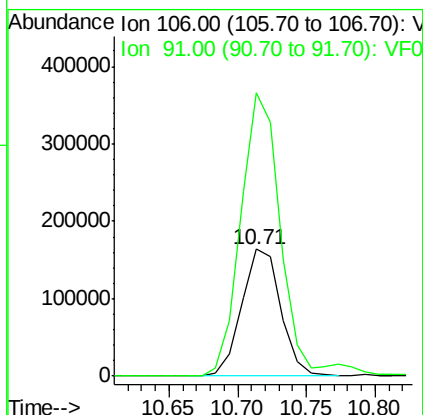
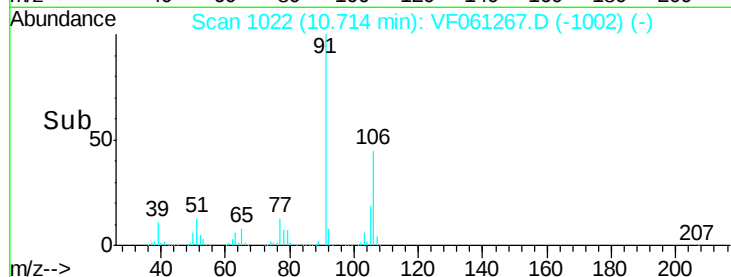
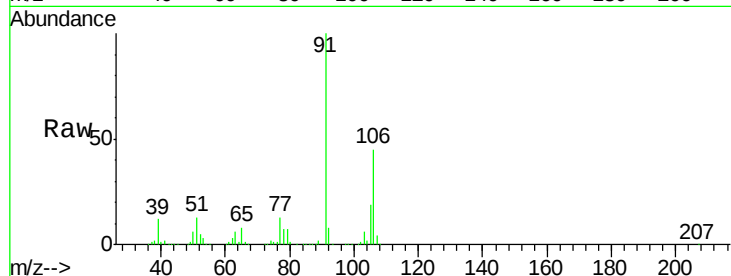
#69
o-Xylene
Concen: 67.860 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	222.7	106.2	318.5		

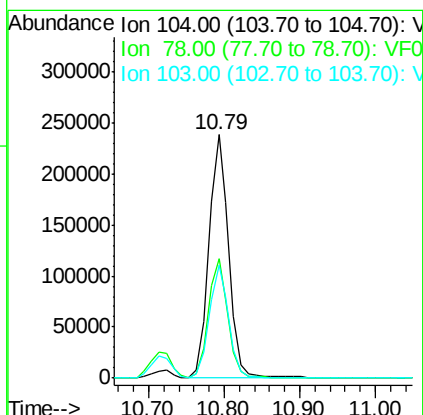
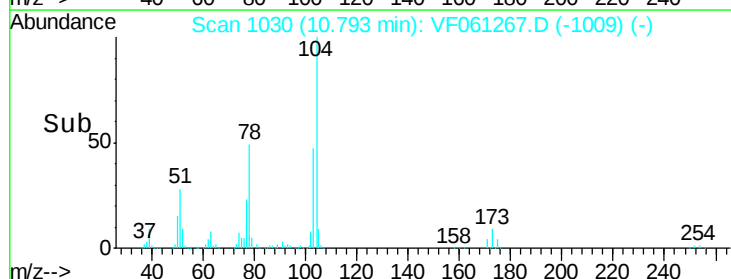
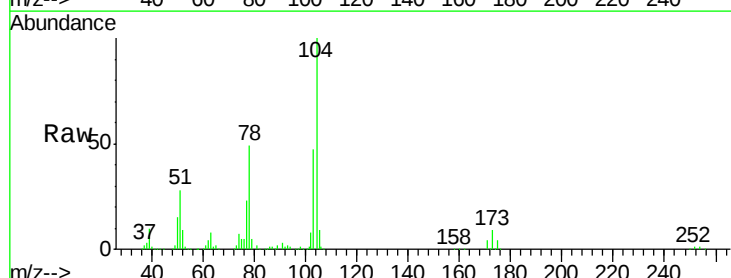
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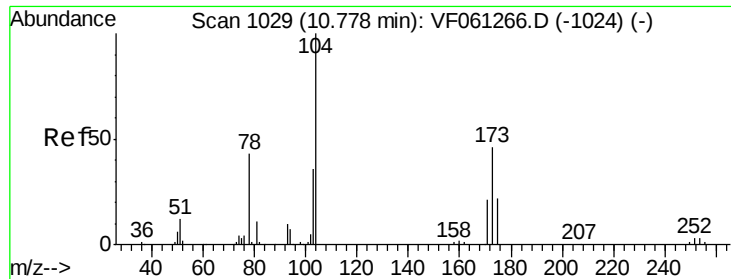
apatel
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#70
Styrene
Concen: 65.440 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.2	39.3	58.9		
103	46.6	37.3	55.9		





#71

Bromoform

Concen: 68.666 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

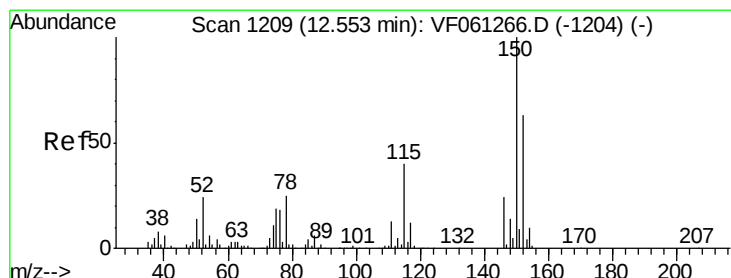
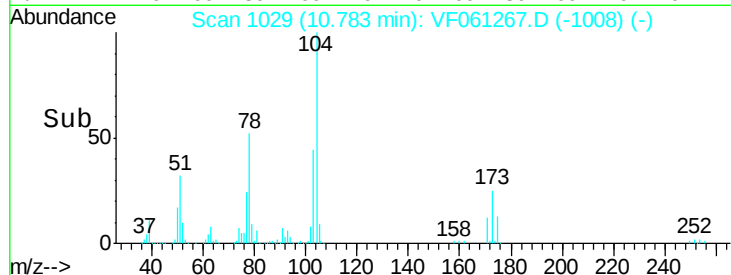
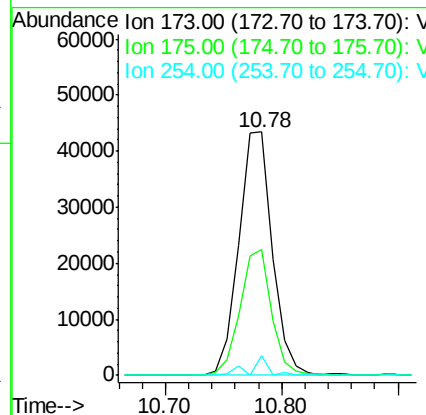
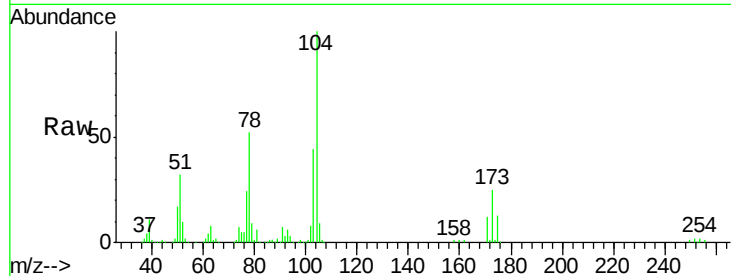
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.6	24.6	73.6
254	8.1	5.3	7.9

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

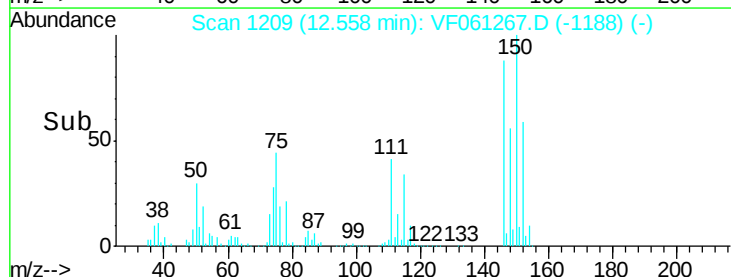
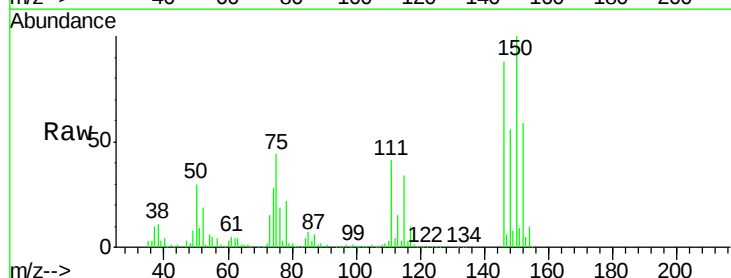
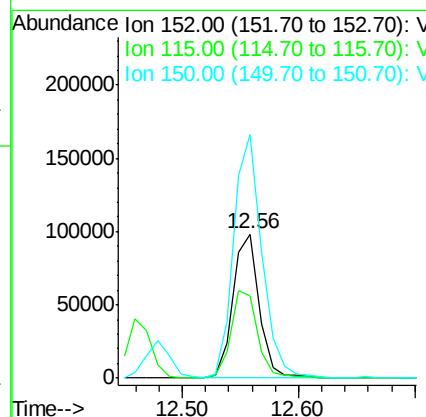
RT: 12.56 min Scan# 1209

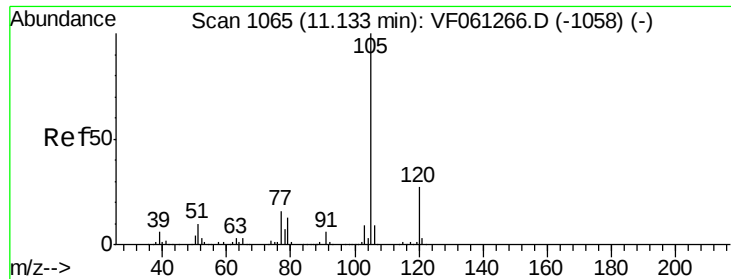
Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	31.6	94.7
150	169.2	0.0	320.2





#73

Isopropylbenzene

Concen: 70.976 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 939269

Ion Ratio Lower Upper

105 100

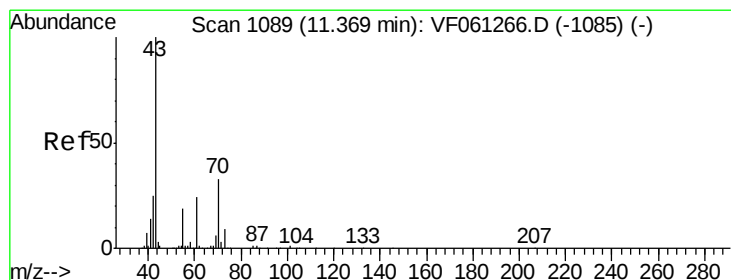
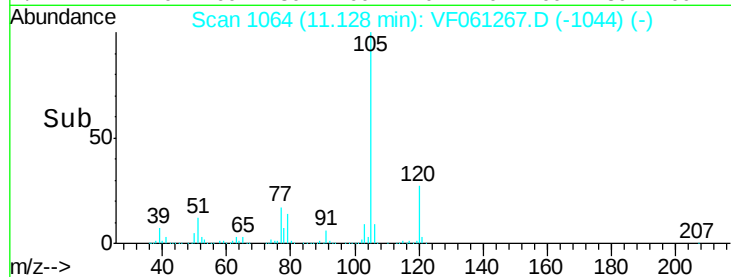
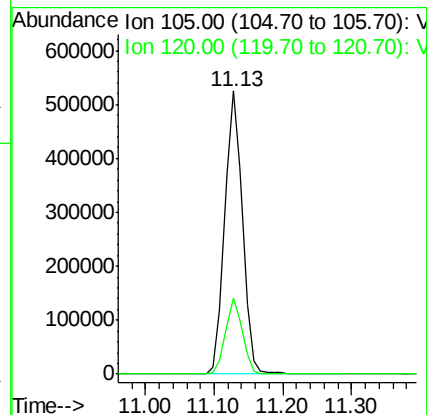
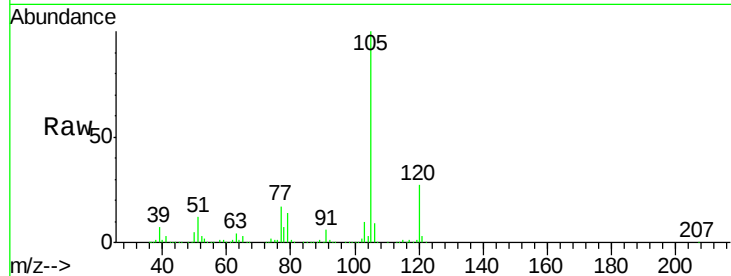
120 26.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 79.723 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion: 43 Resp: 235657

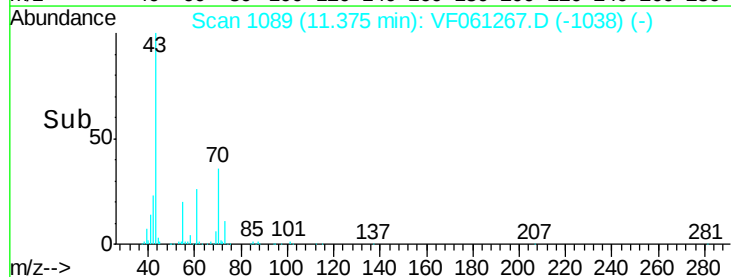
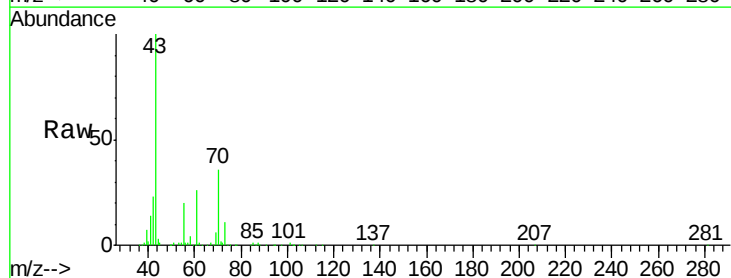
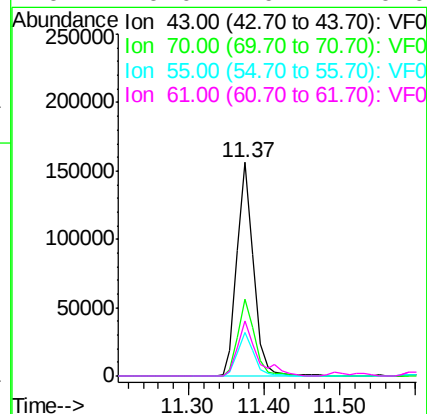
Ion Ratio Lower Upper

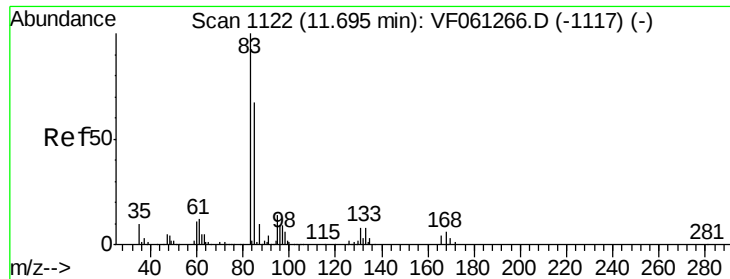
43 100

70 36.2 26.7 40.1

55 20.2 15.4 23.0

61 26.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 73.475 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

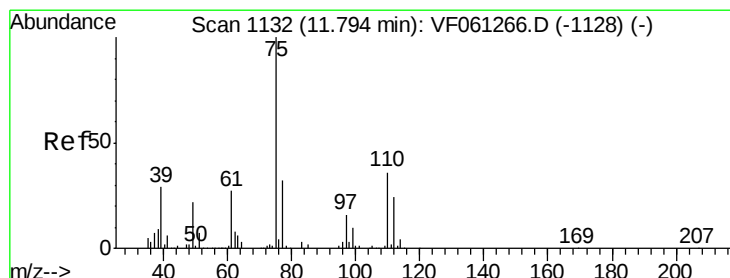
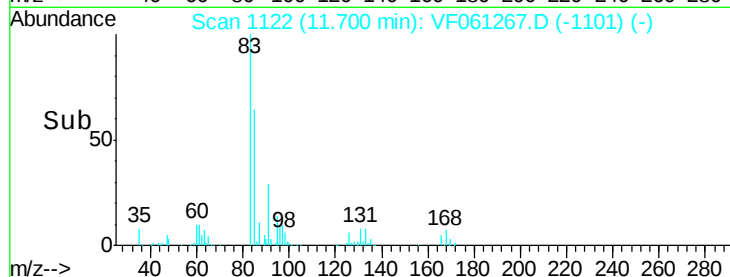
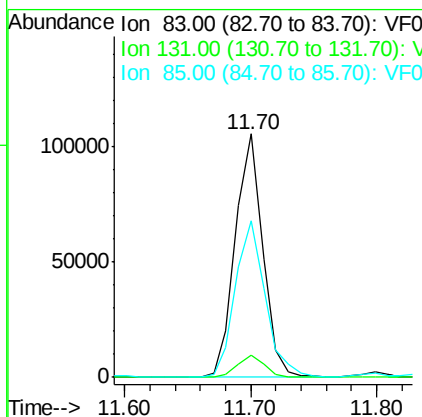
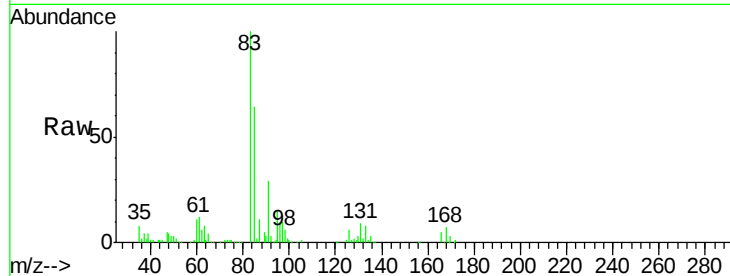
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	159576
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.0	12.0
85	64.3	33.6	100.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 71.524 ug/l

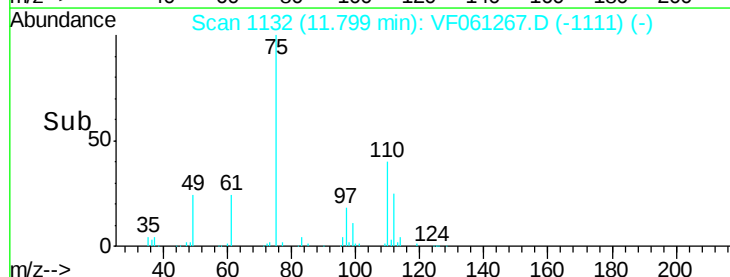
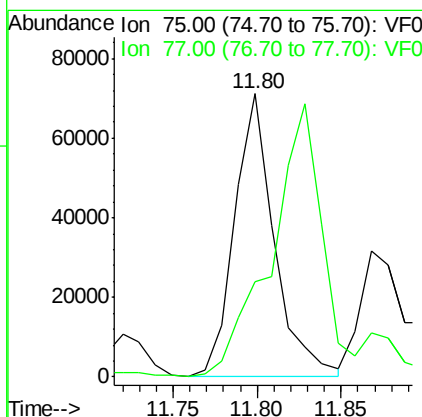
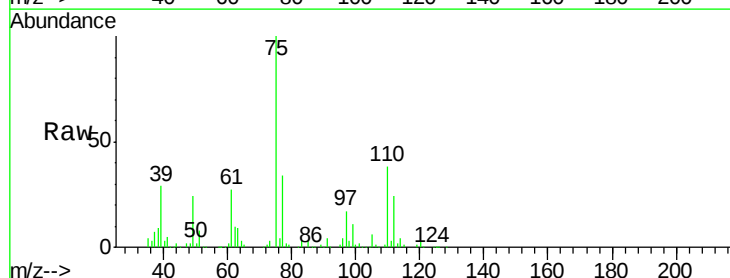
RT: 11.80 min Scan# 1132

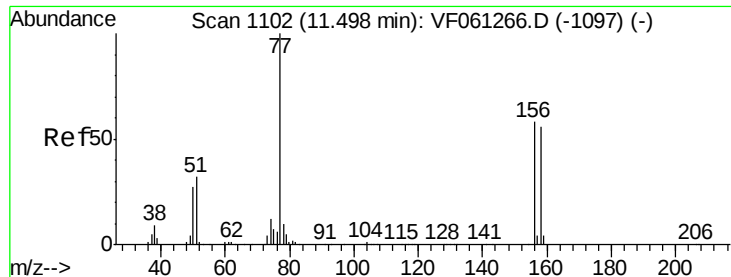
Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	75	Resp:	115694
Ion Ratio	Lower	Upper	
75	100		
77	33.5	15.9	47.7





#77

Bromobenzene

Concen: 70.669 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

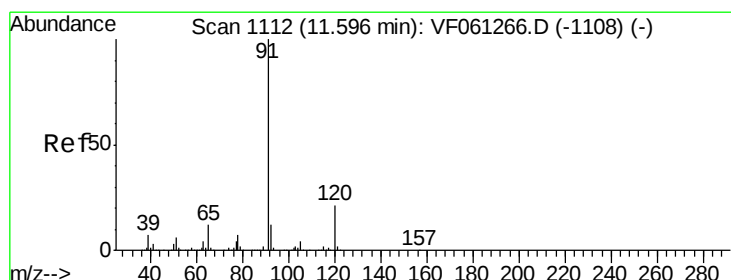
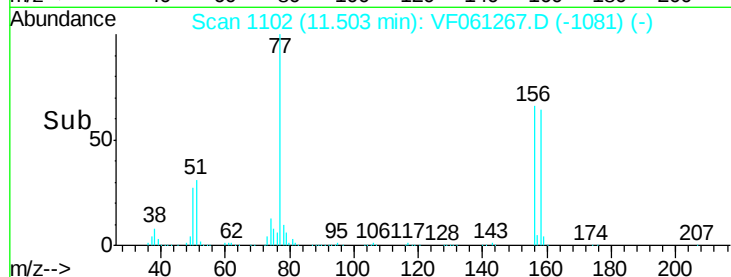
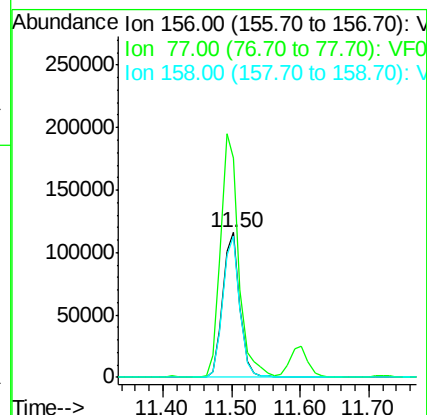
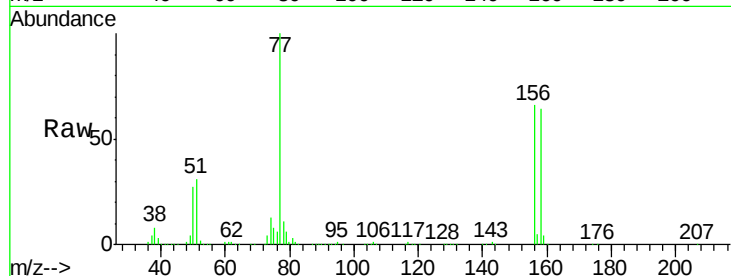
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.5	85.8	257.3
158	97.3	47.6	142.8

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#78

n-propylbenzene

Concen: 66.702 ug/l

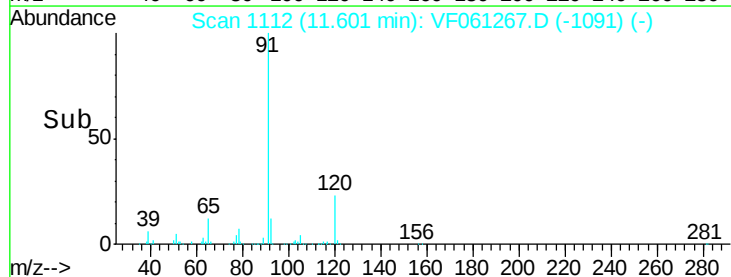
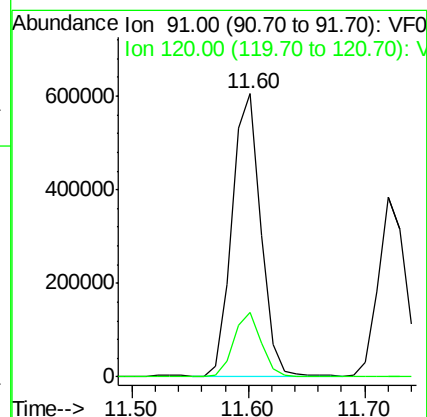
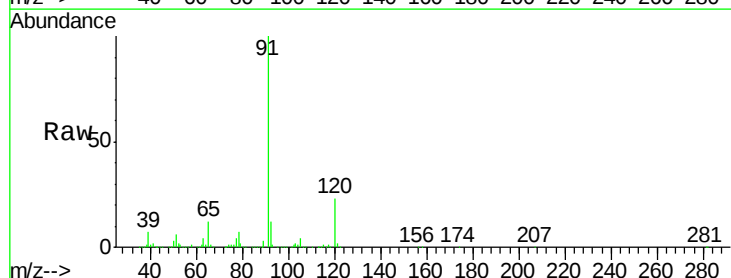
RT: 11.60 min Scan# 1112

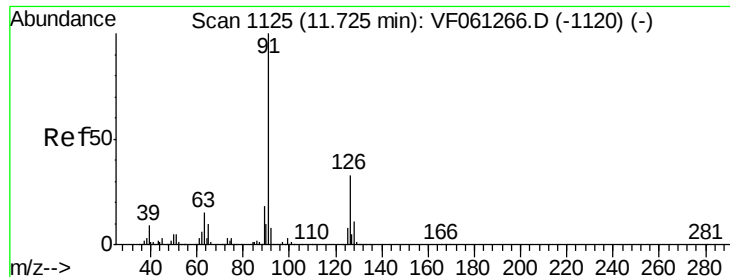
Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	10.6	31.8





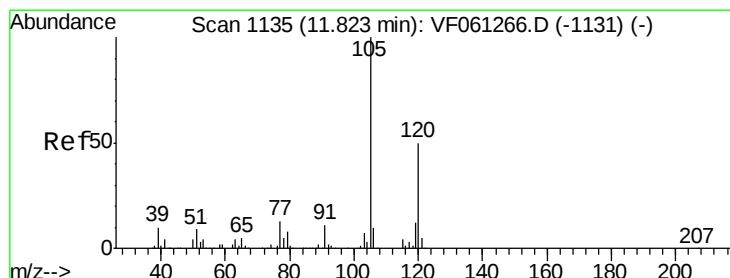
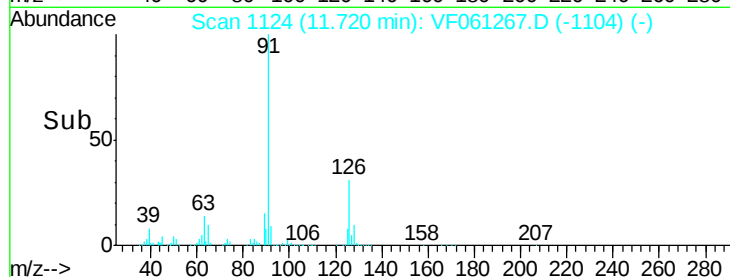
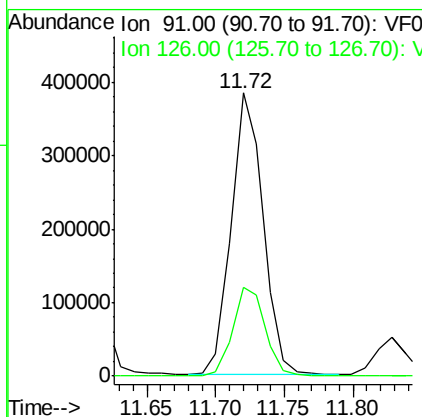
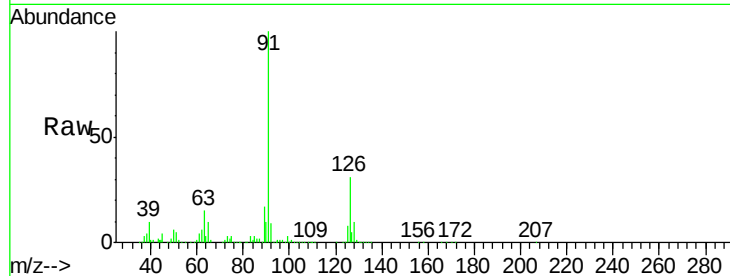
#79
2-Chlorotoluene
Concen: 68.486 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 618493
Ion Ratio Lower Upper
91 100
126 31.4 16.3 48.8

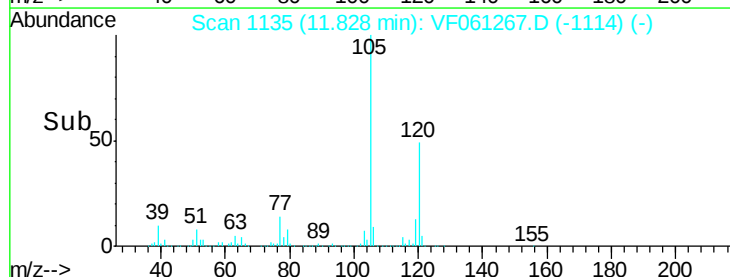
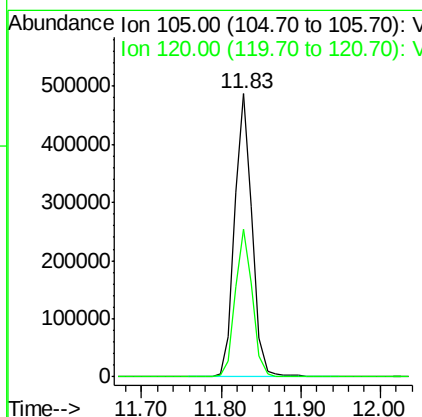
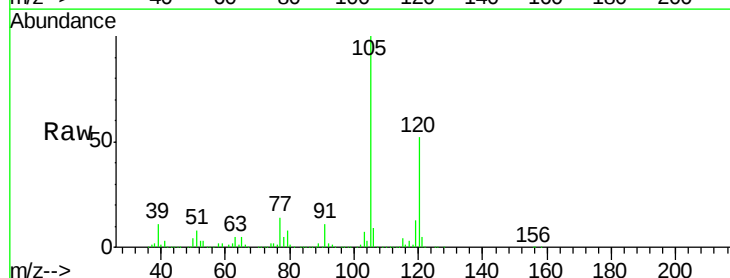
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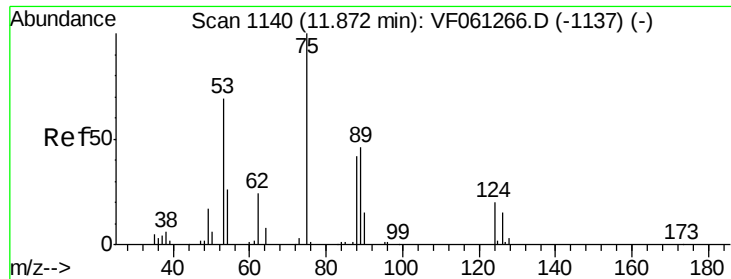
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#80
1,3,5-Trimethylbenzene
Concen: 69.140 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 105 Resp: 747877
Ion Ratio Lower Upper
105 100
120 52.4 24.8 74.4





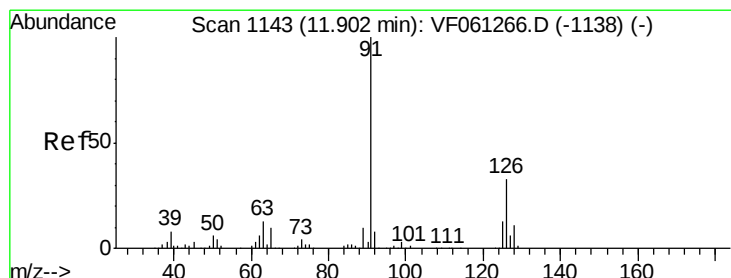
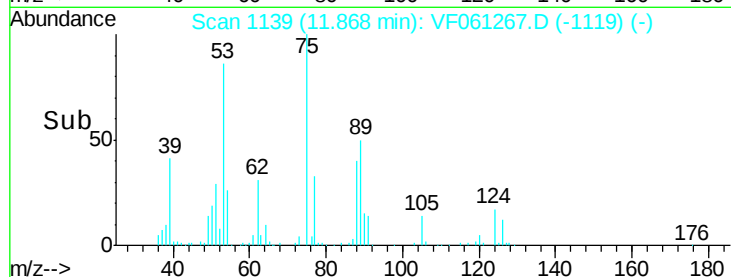
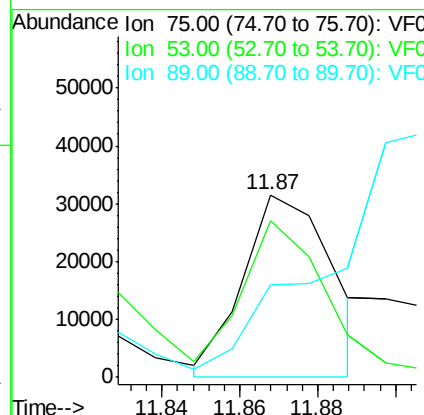
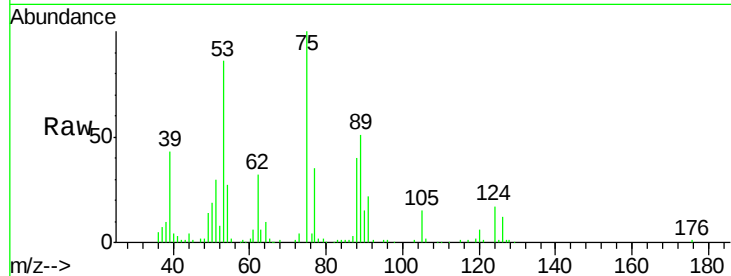
#81
trans-1,4-Dichloro-2-butene
Concen: 71.011 ug/l m
RT: 11.87 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	61.7	92.5
89	50.9	40.3	60.5

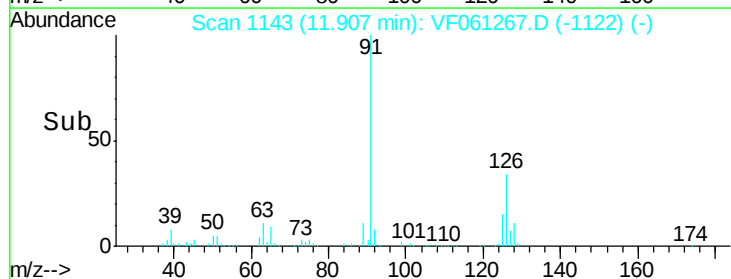
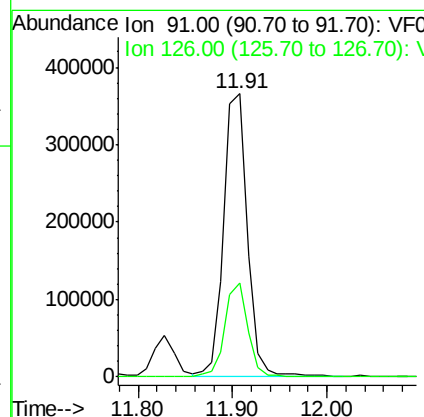
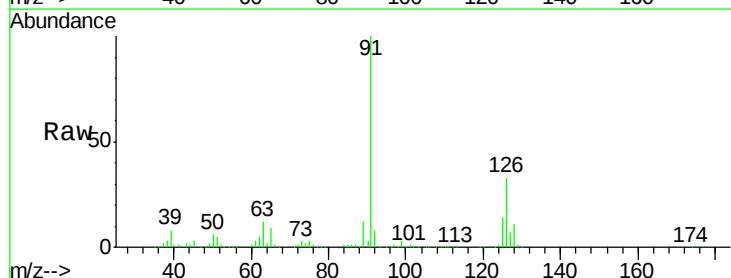
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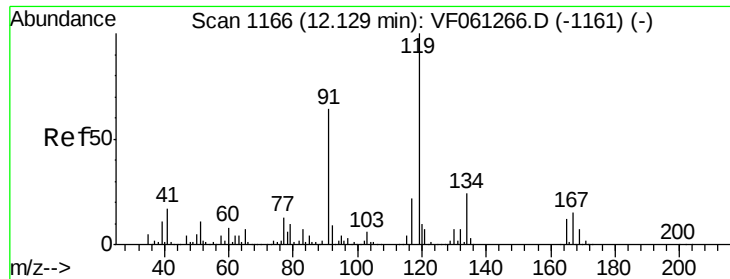
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#82
4-Chlorotoluene
Concen: 67.245 ug/l
RT: 11.91 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.8





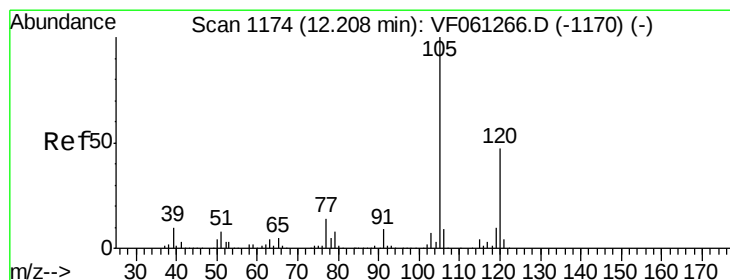
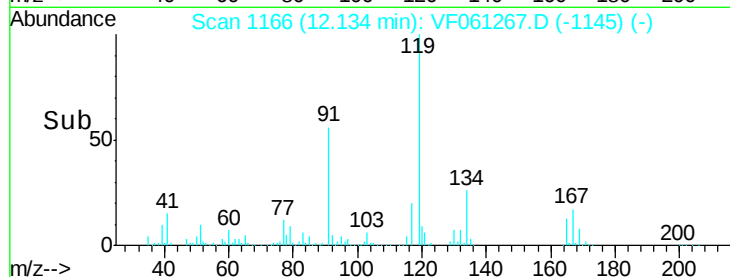
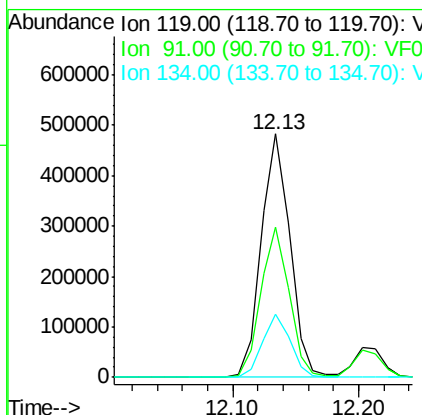
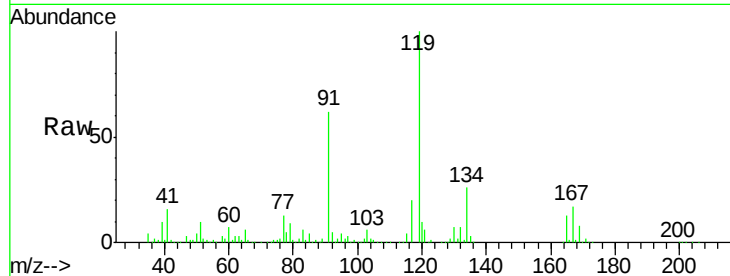
#83
 tert-Butylbenzene
 Concen: 69.190 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	769498		
91	61.7		32.0	96.0
134	26.0		12.1	36.3

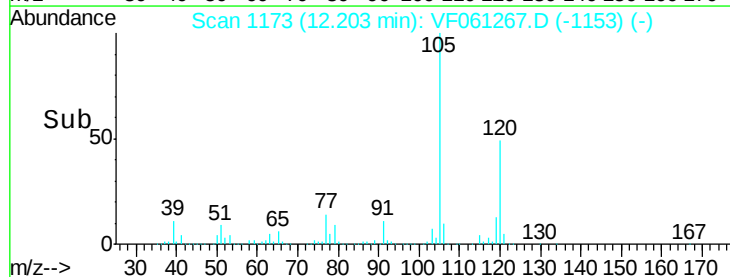
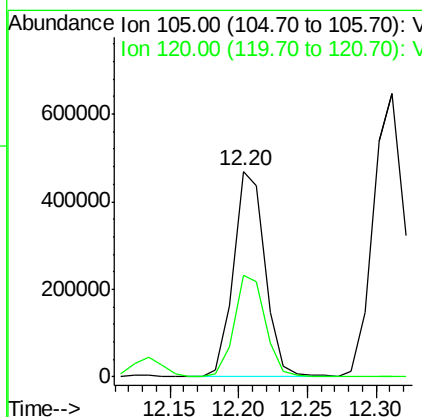
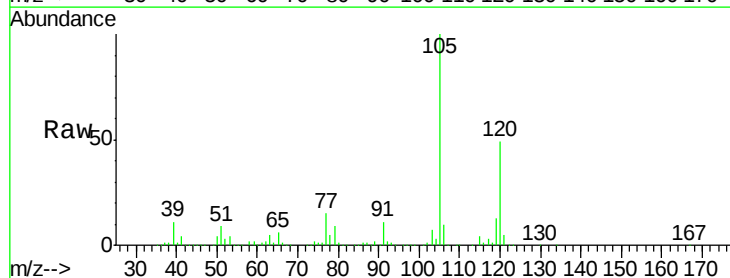
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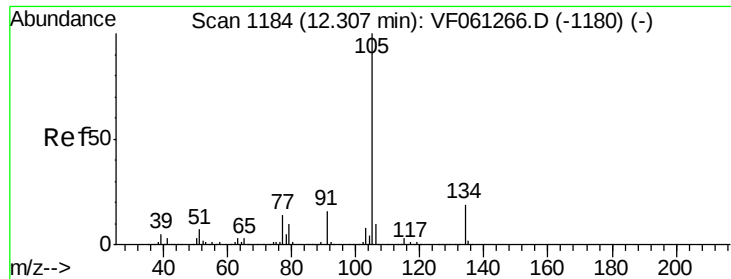
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#84
 1,2,4-Trimethylbenzene
 Concen: 69.575 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	750602		
120	49.2		23.3	69.9





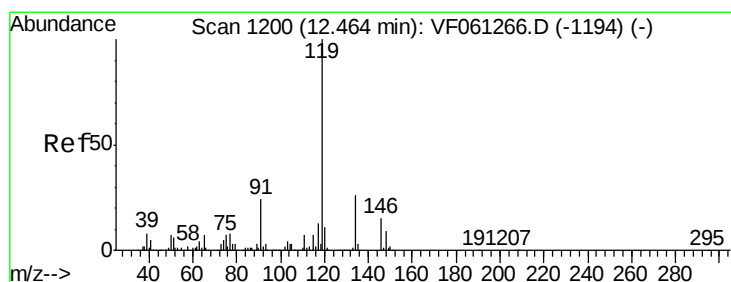
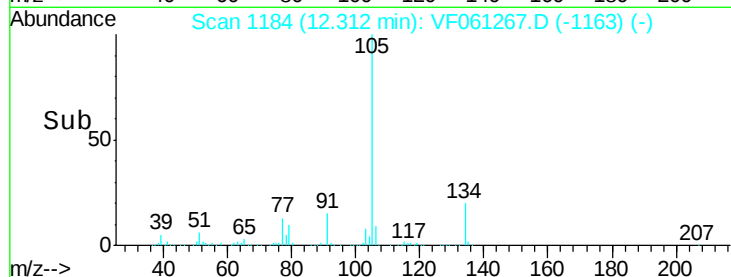
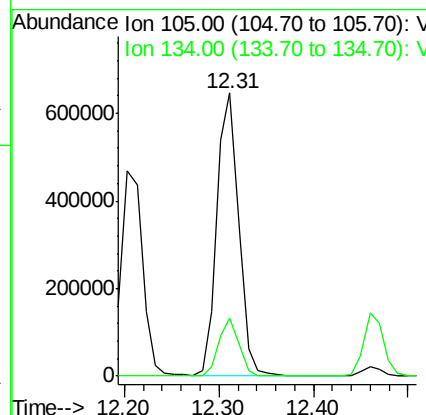
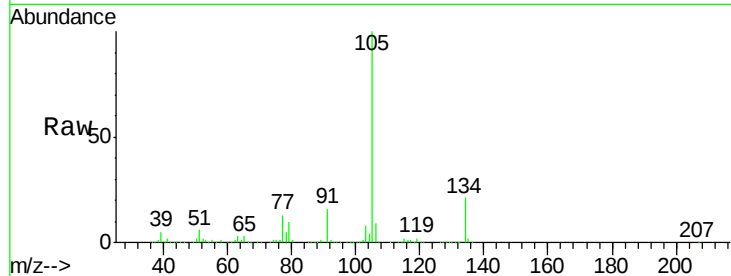
#85
 sec-Butylbenzene
 Concen: 70.708 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 1034265
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.4 28.2

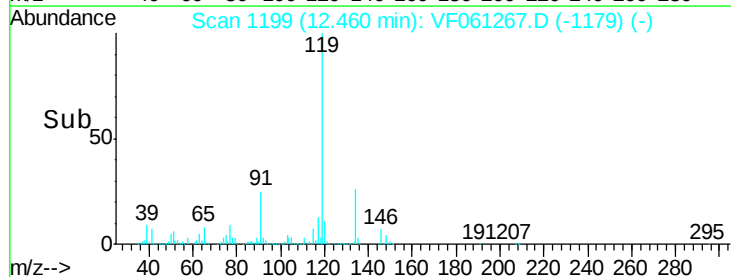
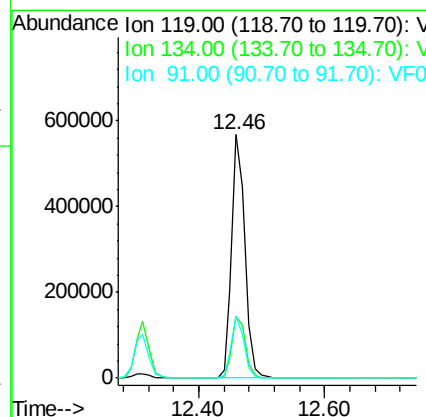
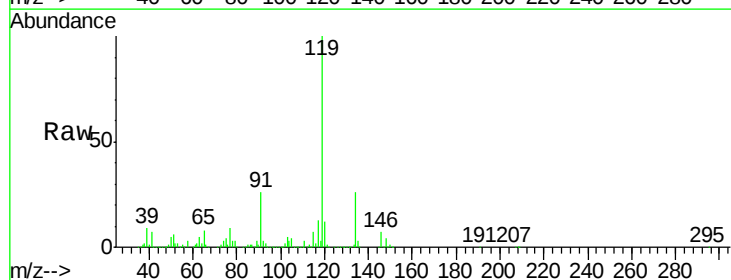
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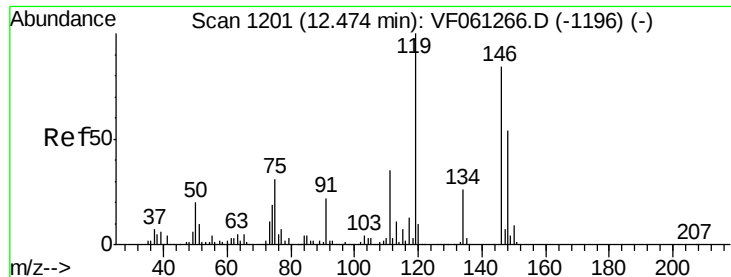
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#86
 p-Isopropyltoluene
 Concen: 67.861 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion:119 Resp: 825447
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.6
 91 25.6 11.9 35.7





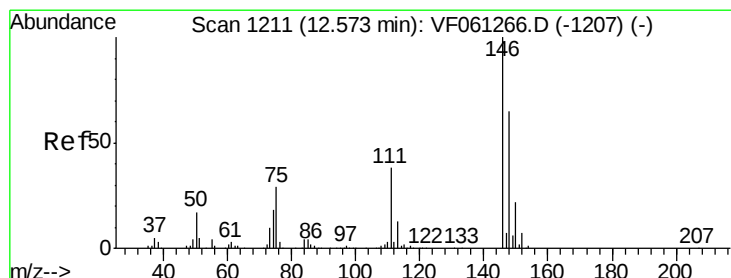
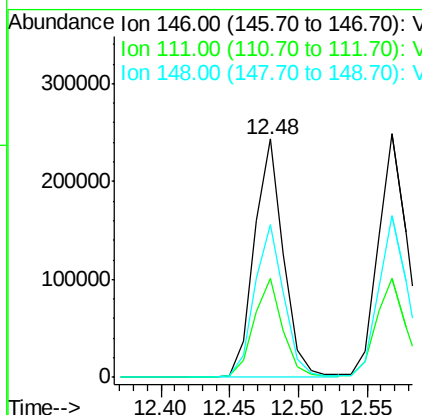
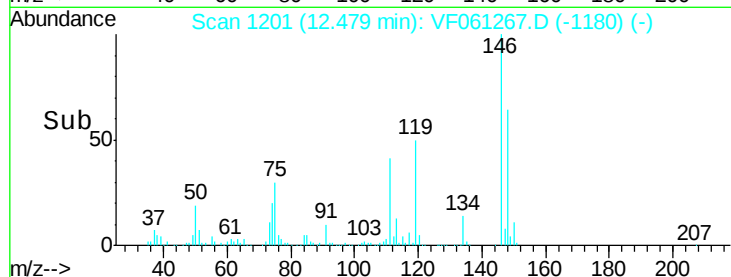
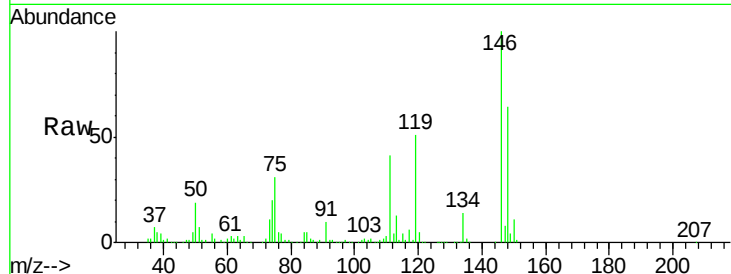
#87
 1,3-Dichlorobenzene
 Concen: 67.501 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	64.4	32.5	97.4

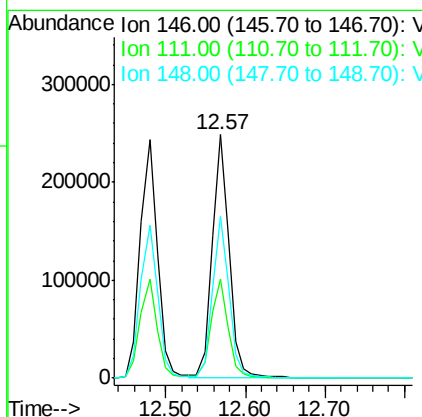
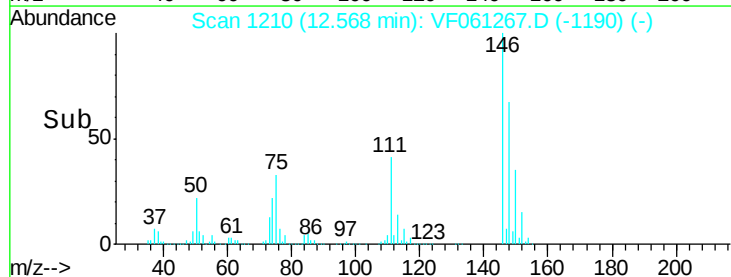
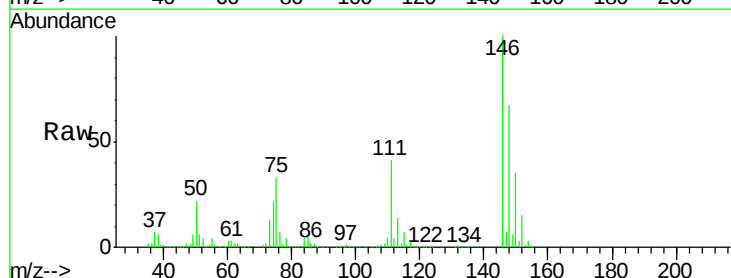
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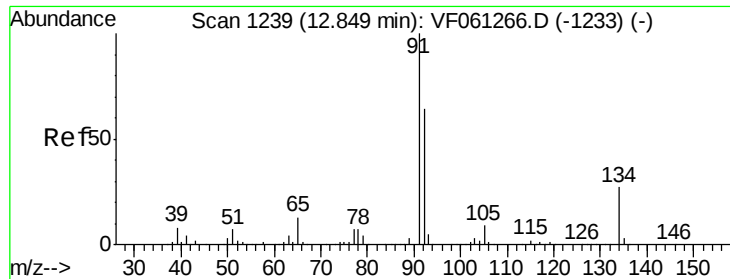
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#88
 1,4-Dichlorobenzene
 Concen: 71.489 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.3	57.9
148	66.5	32.6	98.0





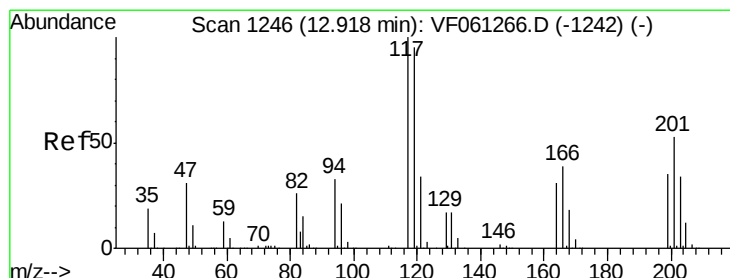
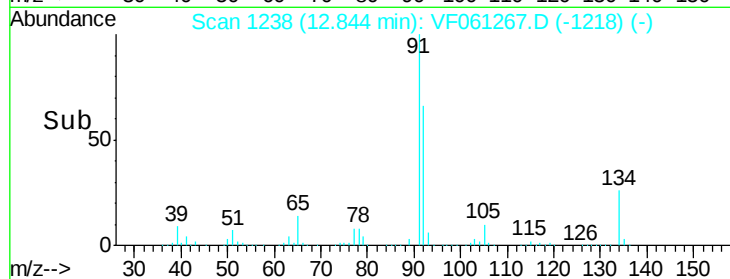
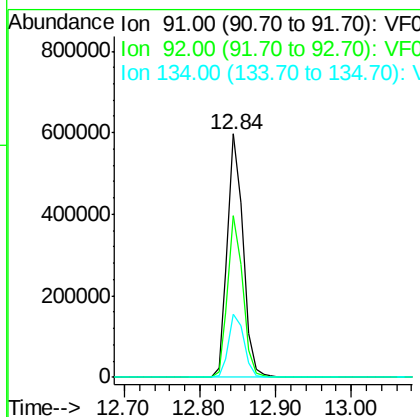
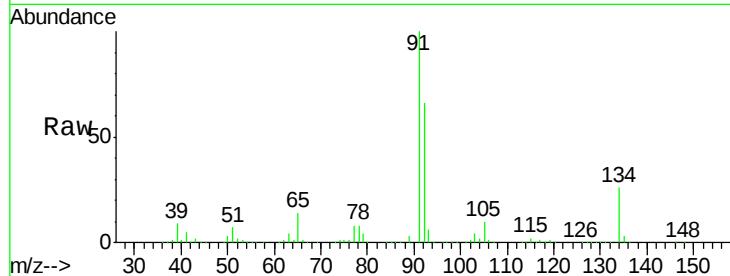
#89
n-Butylbenzene
Concen: 68.251 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.4	31.9	95.7
134	26.0	13.6	40.7

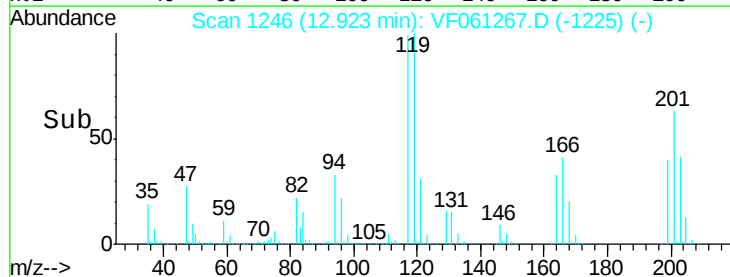
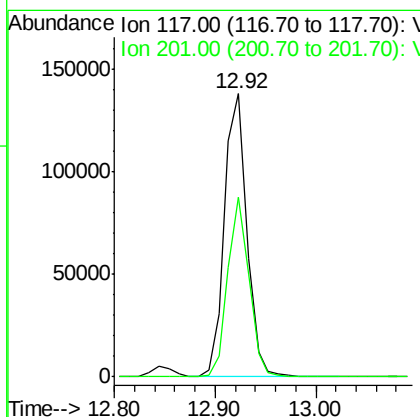
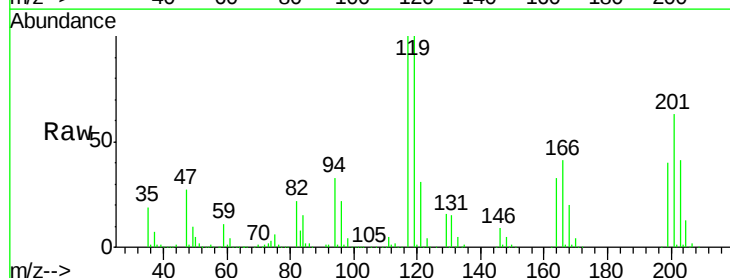
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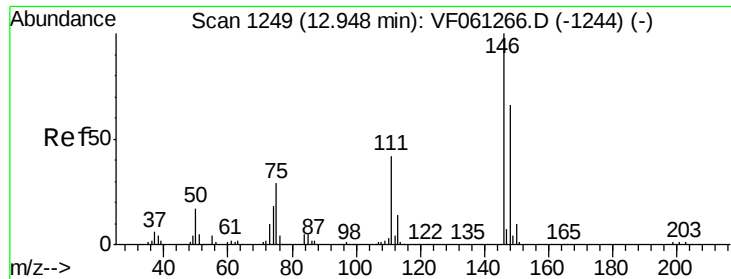
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#90
Hexachloroethane
Concen: 71.418 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.5	26.6	79.7





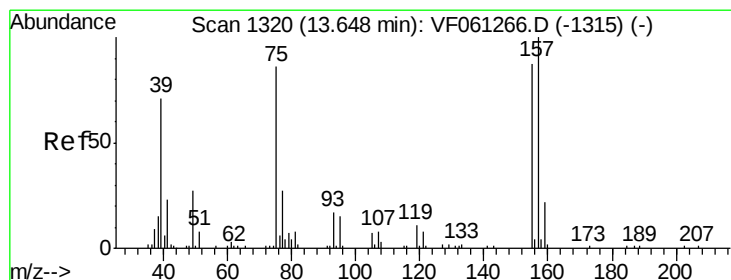
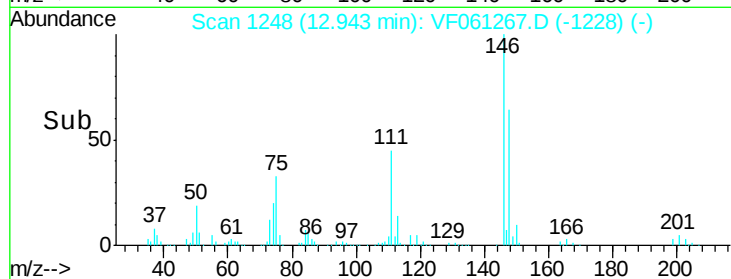
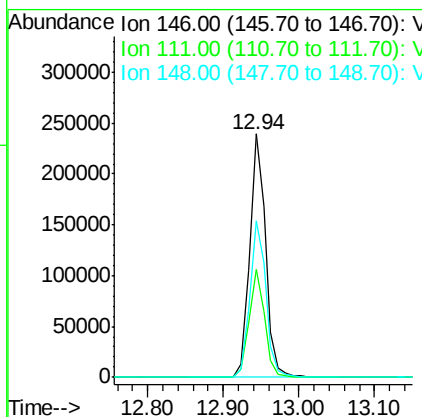
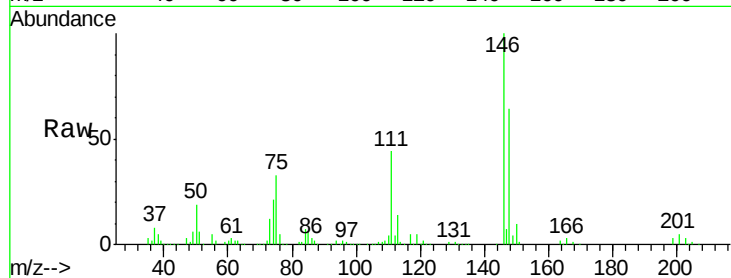
#91
 1,2-Dichlorobenzene
 Concen: 69.286 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.4
148	64.1	32.8	98.4

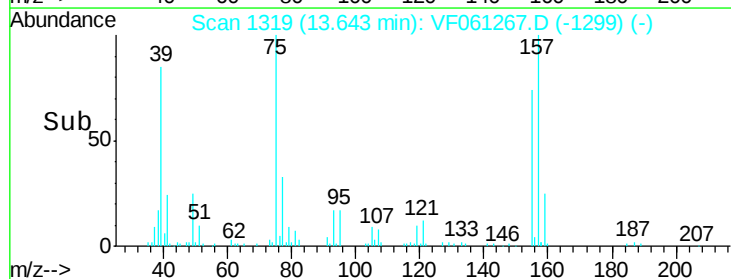
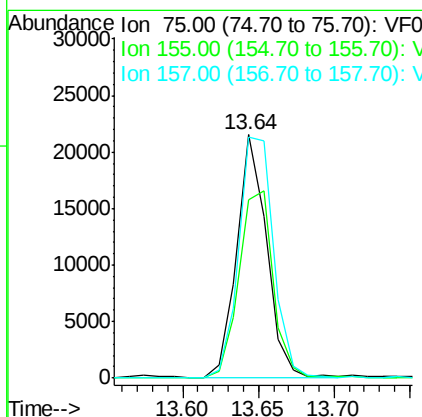
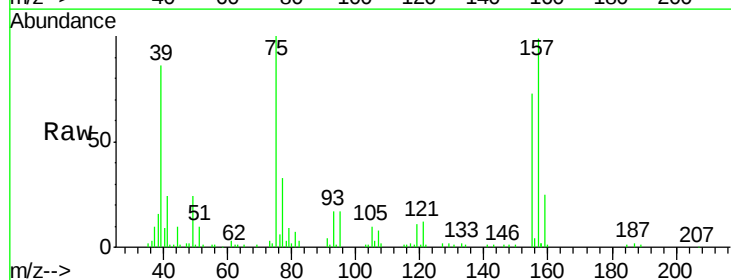
Manual Integrations
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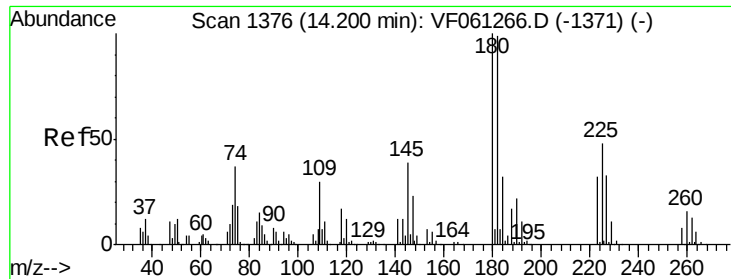
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 75.122 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	50.6	151.8
157	99.0	58.0	173.9





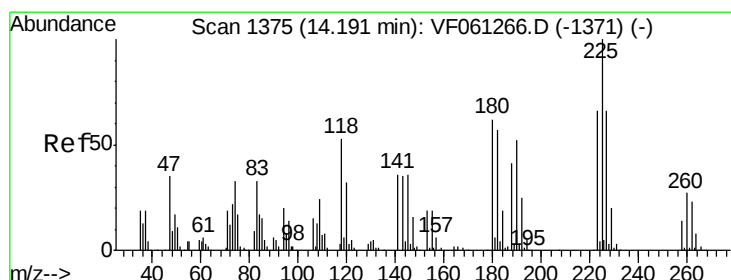
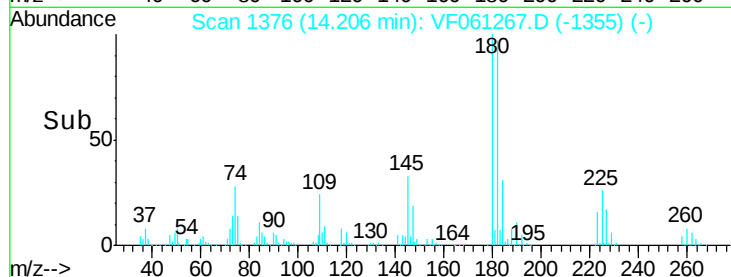
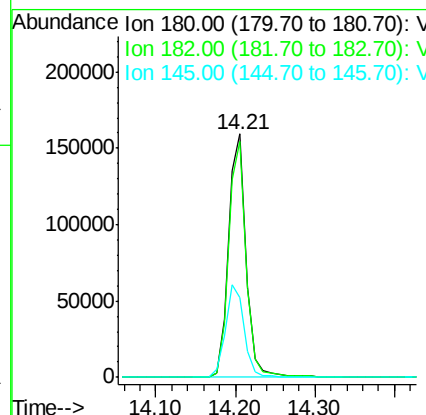
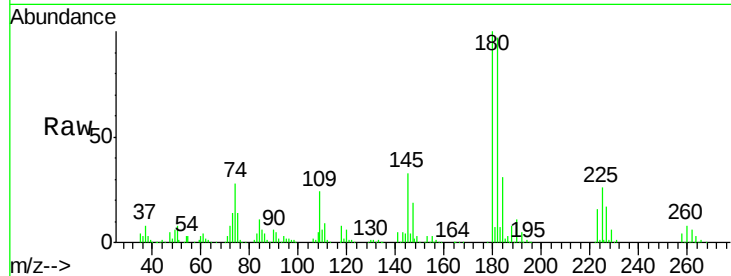
#93
 1,2,4-Trichlorobenzene
 Concen: 69.133 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248888		
182	97.1	49.5	148.3	
145	32.9	19.7	59.0	

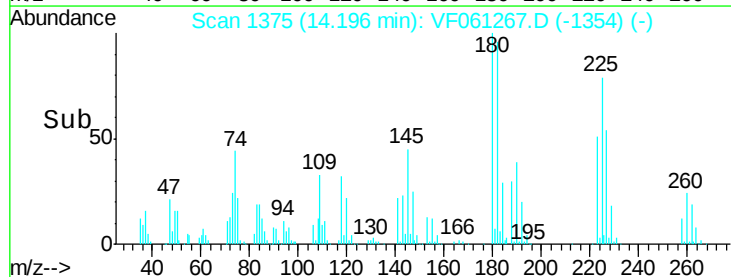
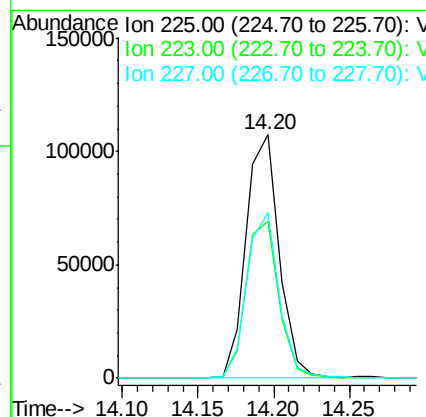
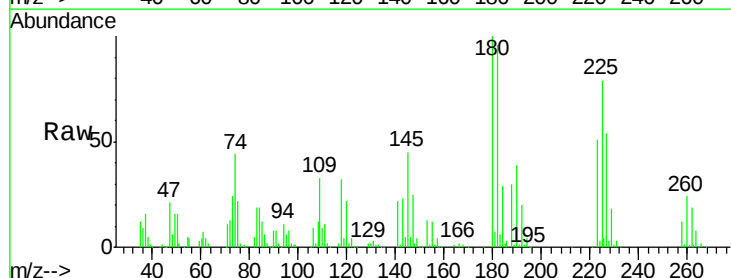
Manual Integrations
 APPROVED

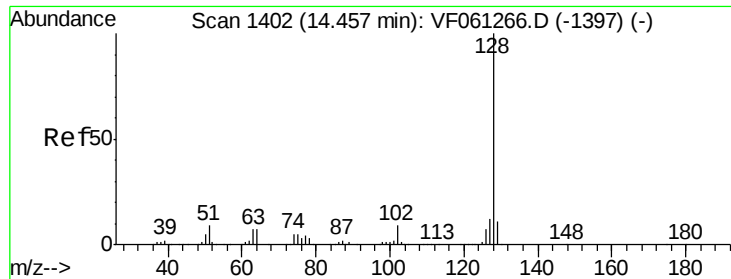
apatel
 1/4/2019 2:12:39 PM



#94
 Hexachlorobutadiene
 Concen: 71.409 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163666		
223	64.1	33.0	99.0	
227	67.8	32.8	98.4	





#95

Naphthalene

Concen: 77.331 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

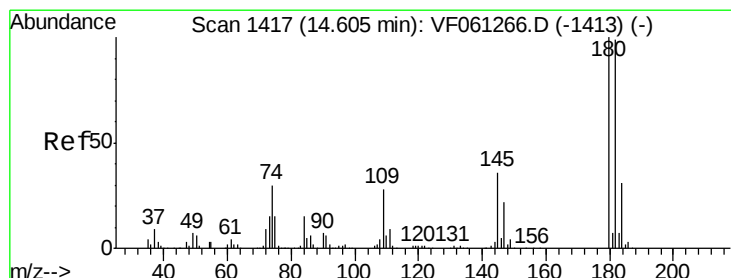
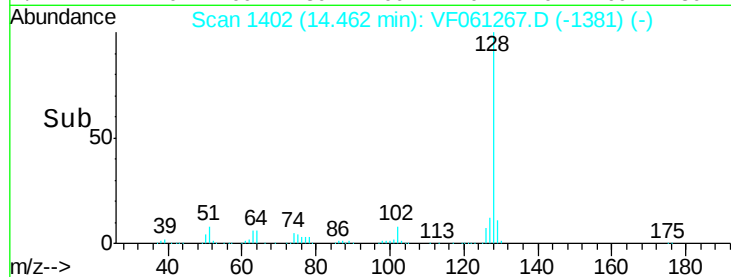
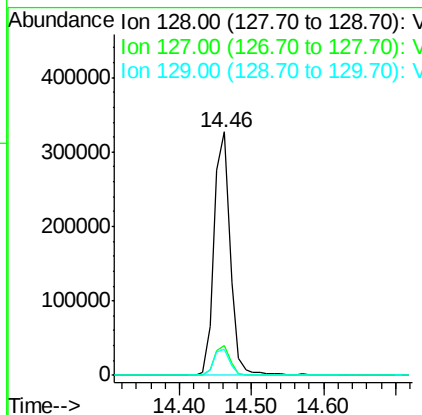
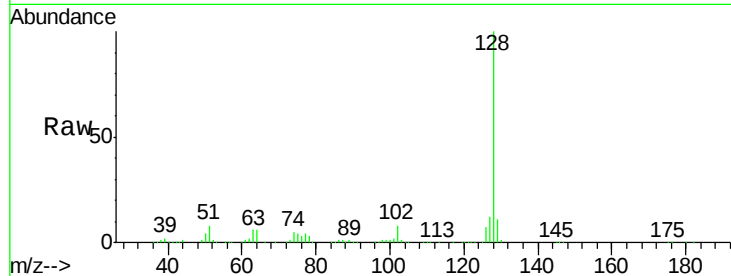
ClientSampleId :

VSTDIC075

Tot Ion:	128	Resp:	503009
Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.8	14.6
129	10.8	9.0	13.4

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 75.072 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion:	180	Resp:	247242
Ion	Ratio	Lower	Upper
180	100		
182	93.6	49.5	148.5
145	36.5	18.0	54.0

