

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
 Data File : VF061266.D
 Acq On : 3 Jan 2019 15:46
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jan 04 02:43:50 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	4.88	168	206405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	367614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	328875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	162479	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	124136	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
35) Dibromofluoromethane	4.12	113	134225	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
50) Toluene-d8	7.56	98	412462	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.41	95	176355	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	199280	44.472	ug/l	100
3) Chloromethane	1.10	50	145780	54.409	ug/l	100
4) Vinyl Chloride	1.14	62	136838	55.214	ug/l	100
5) Bromomethane	1.33	94	92463	53.987	ug/l	100
6) Chloroethane	1.38	64	59625	52.522	ug/l	100
7) Trichlorofluoromethane	1.49	101	241506	51.823	ug/l	100
8) Diethyl Ether	1.63	74	31026	49.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	120350	49.406	ug/l	100
10) Methyl Iodide	1.89	142	147685	38.652	ug/l	100
11) Tert butyl alcohol	2.57	59	25668	242.609	ug/l	100
12) 1,1-Dichloroethene	1.79	96	94507	51.758	ug/l	100
13) Acrolein	2.01	56	19634	247.396	ug/l	100
14) Allyl chloride	2.10	41	145885	70.022	ug/l	100
15) Acrylonitrile	2.95	53	68902	275.777	ug/l	100
16) Acetone	2.24	43	101280	200.768	ug/l	100
17) Carbon Disulfide	1.83	76	300575	53.705	ug/l	100
18) Methyl Acetate	2.35	43	49004	44.656	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	186900	46.839	ug/l	100
20) Methylene Chloride	2.19	84	40727	20.242	ug/l	100
21) trans-1,2-Dichloroethene	2.31	96	102363	51.547	ug/l	100
22) Diisopropyl ether	2.81	45	334319	52.404	ug/l	100
23) Vinyl Acetate	3.19	43	737834	253.422	ug/l	100
24) 1,1-Dichloroethane	2.88	63	207964	54.830	ug/l	100
25) 2-Butanone	4.35	43	212017	247.043	ug/l	100
26) 2,2-Dichloropropane	3.61	77	121054	55.246	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	150148	49.984	ug/l	100
28) Bromochloromethane	3.72	49	90353	47.996	ug/l	100
29) Tetrahydrofuran	4.08	42	84740	242.056	ug/l	100
30) Chloroform	3.86	83	285753	50.912	ug/l	100
31) Cyclohexane	3.70	56	217948	54.858	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	207595	59.264	ug/l	100
36) 1,1-Dichloropropene	4.29	75	226809	51.012	ug/l	100
37) Ethyl Acetate	4.11	43	78231	43.578	ug/l	100
38) Carbon Tetrachloride	3.99	117	184000	53.657	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	241787	59.188	ug/l	100
40) Benzene	4.63	78	496689	51.597	ug/l	100
41) Methacrylonitrile	4.75	41	41301	44.894	ug/l	100
42) 1,2-Dichloroethane	4.95	62	157296	44.460	ug/l	100
43) Isopropyl Acetate	6.96	43	103628	48.348	ug/l	100
44) Trichloroethene	5.51	130	145781	48.756	ug/l	100
45) 1,2-Dichloropropane	6.24	63	130785	50.237	ug/l	100
46) Dibromomethane	6.09	93	78829	47.402	ug/l	100
47) Bromodichloromethane	6.39	83	207396	48.181	ug/l	100
48) Methyl methacrylate	6.71	41	75764	50.661	ug/l	100
49) 1,4-Dioxane	6.71	88	10227	959.251	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	356435	243.170	ug/l	100
52) Toluene	7.63	92	320110	50.307	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	165456	47.163	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	211283	47.905	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	88352	46.735	ug/l	100
56) Ethyl methacrylate	8.63	69	100556	49.252	ug/l	100
57) 1,3-Dichloropropane	8.85	76	166816	48.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	63030	169.353	ug/l	100
59) 2-Hexanone	9.50	43	254183	241.222	ug/l	100
60) Dibromochloromethane	8.72	129	126223	47.300	ug/l	100
61) 1,2-Dibromoethane	8.99	107	97984	48.731	ug/l	100
64) Tetrachloroethene	8.15	164	129411	50.649	ug/l	100
65) Chlorobenzene	9.80	112	345909	50.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	138678	49.362	ug/l	100
67) Ethyl Benzene	9.90	91	651453	51.748	ug/l	100
68) m/p-Xylenes	10.14	106	439098	99.775	ug/l	100
69) o-Xylene	10.72	106	257441	52.273	ug/l	100
70) Styrene	10.79	104	330901	48.608	ug/l	100
71) Bromoform	10.78	173	63926	49.396	ug/l	100
73) Isopropylbenzene	11.13	105	720057	51.383	ug/l	100
74) N-amyl acetate	11.37	43	162512	51.919	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	109585	47.649	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	82207	47.994	ug/l	100
77) Bromobenzene	11.50	156	147913	49.327	ug/l	100
78) n-propylbenzene	11.60	91	803568	48.797	ug/l	100
79) 2-Chlorotoluene	11.72	91	471213	49.274	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	556012	48.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	52607	70.344	ug/l	100
82) 4-Chlorotoluene	11.90	91	481063	48.406	ug/l	100
83) tert-Butylbenzene	12.13	119	568523	48.275	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	539720	47.244	ug/l	100
85) sec-Butylbenzene	12.31	105	773194	49.918	ug/l	100
86) p-Isopropyltoluene	12.46	119	652338	50.645	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	271835	47.840	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	277381	49.806	ug/l	100
89) n-Butylbenzene	12.85	91	664644	49.963	ug/l	100
90) Hexachloroethane	12.92	117	162944	51.254	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	260360	48.671	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	20010	47.904	ug/l	100

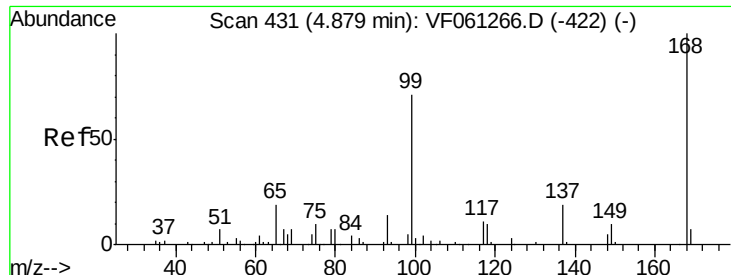
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	185976	48.784	ug/l	100
94) Hexachlorobutadiene	14.19	225	121318	49.987	ug/l	100
95) Naphthalene	14.46	128	337599	49.013	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	175060	50.197	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

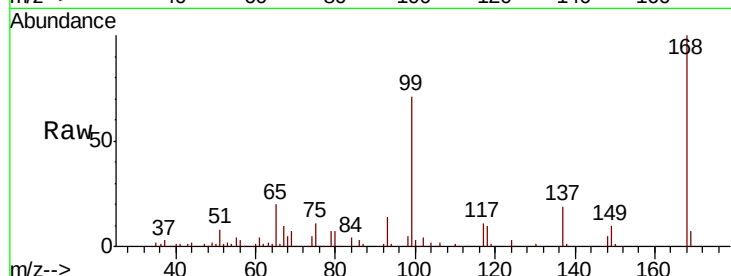
VSTDICCC050

Tgt Ion:168 Resp: 206405

Ion Ratio Lower Upper

168 100

99 71.3 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

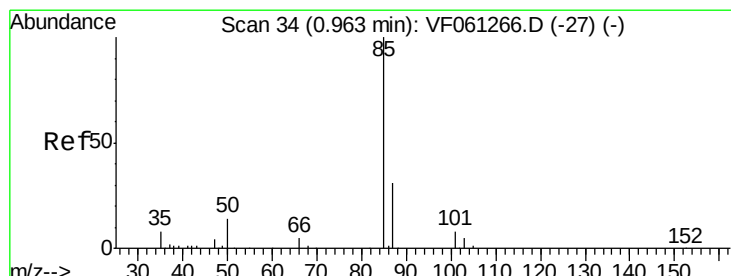
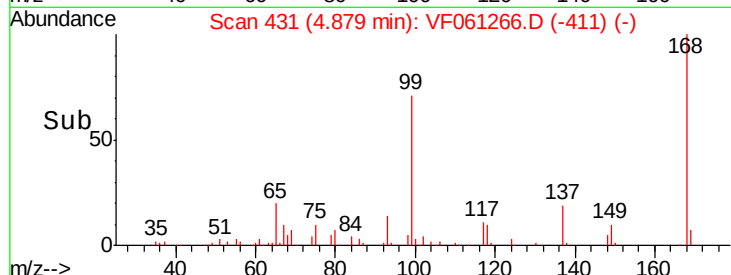
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 44.472 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061266.D

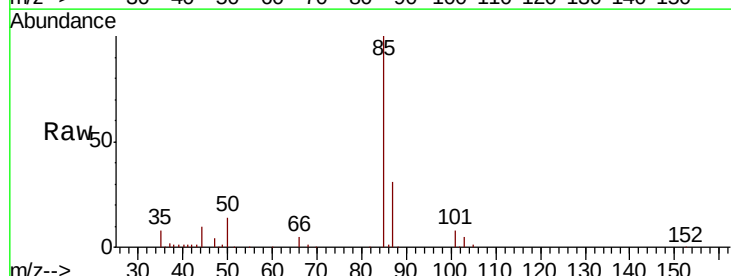
Acq: 3 Jan 2019 15:46

Tgt Ion: 85 Resp: 199280

Ion Ratio Lower Upper

85 100

87 31.2 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

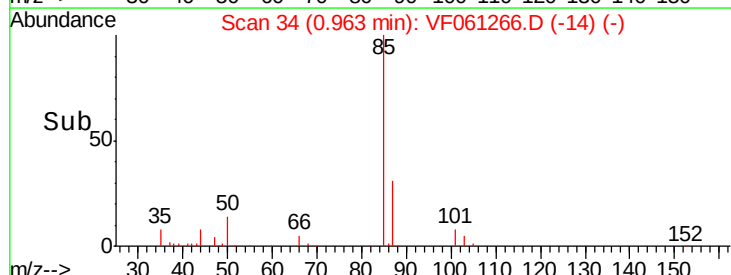
60000

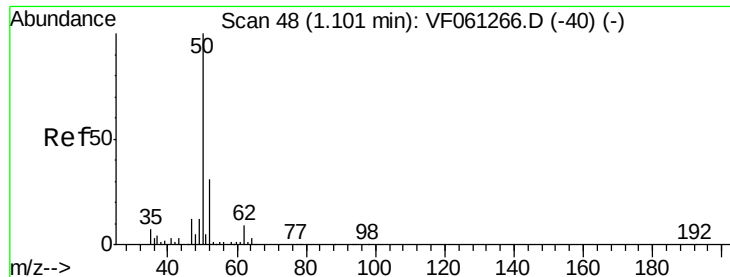
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 54.409 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

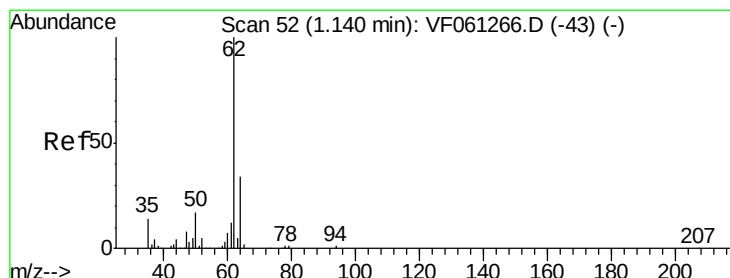
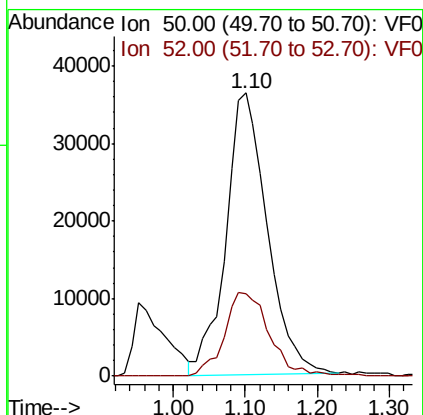
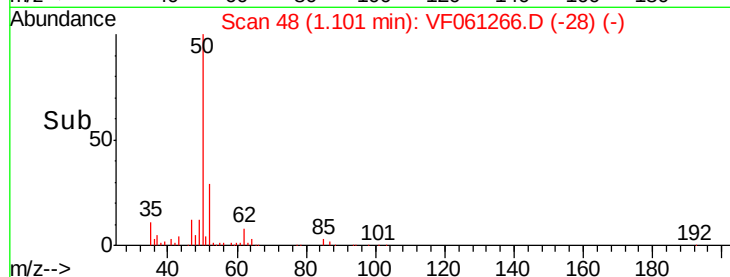
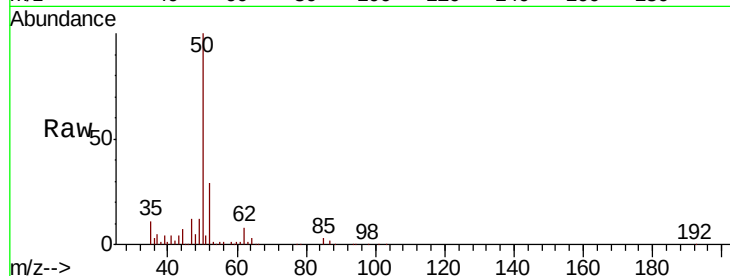
VSTDICCC050

Tgt Ion: 50 Resp: 145780

Ion Ratio Lower Upper

50 100

52 29.3 23.4 35.2



#4

Vinyl Chloride

Concen: 55.214 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061266.D

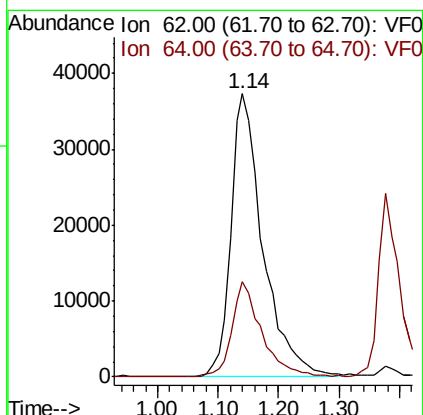
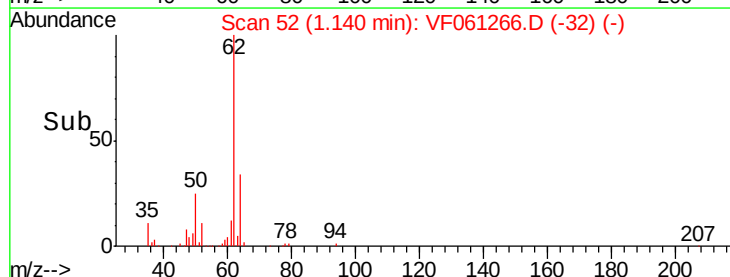
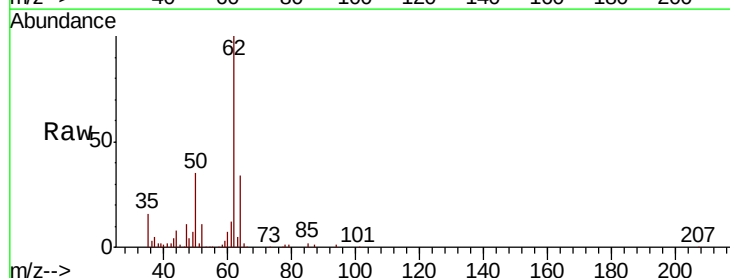
Acq: 3 Jan 2019 15:46

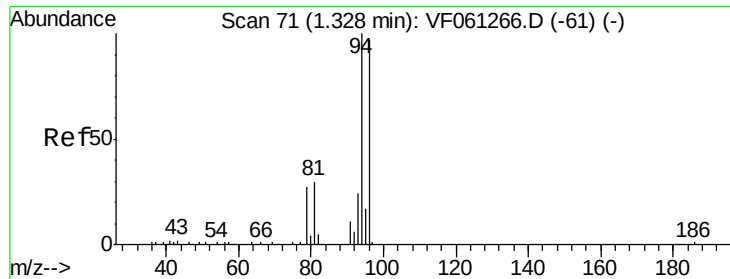
Tgt Ion: 62 Resp: 136838

Ion Ratio Lower Upper

62 100

64 33.6 26.9 40.3





#5

Bromomethane

Concen: 53.987 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

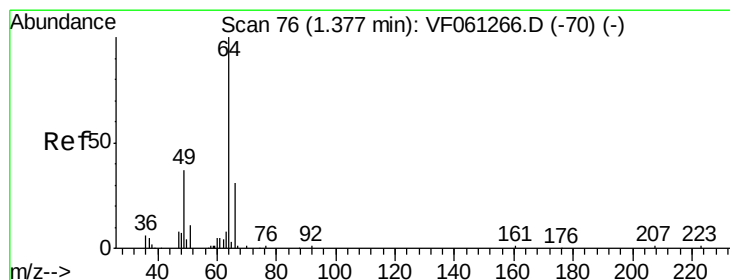
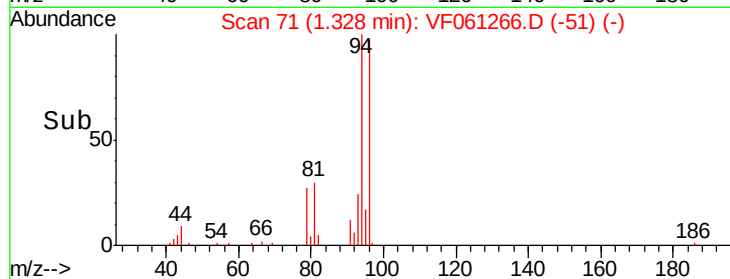
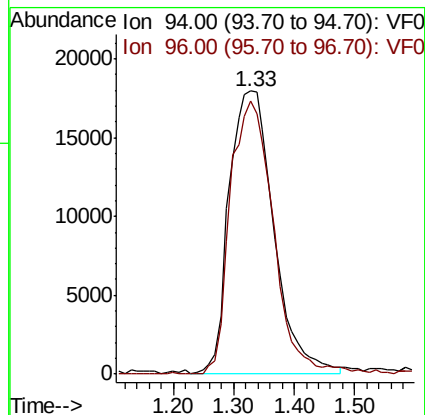
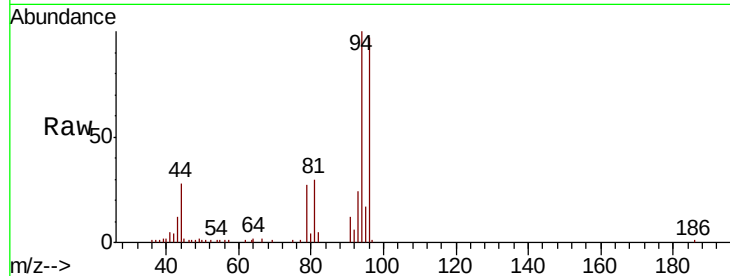
VSTDICCC050

Tgt Ion: 94 Resp: 92463

Ion Ratio Lower Upper

94 100

96 96.5 77.2 115.8



#6

Chloroethane

Concen: 52.522 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.00 min

Lab File: VF061266.D

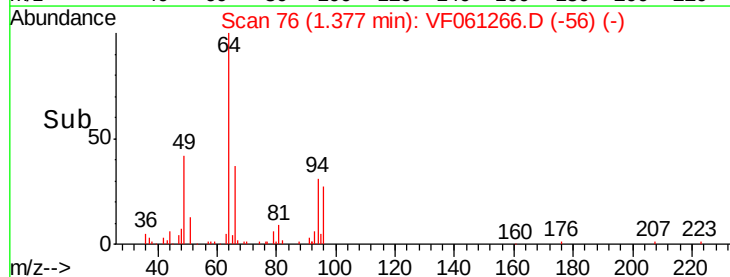
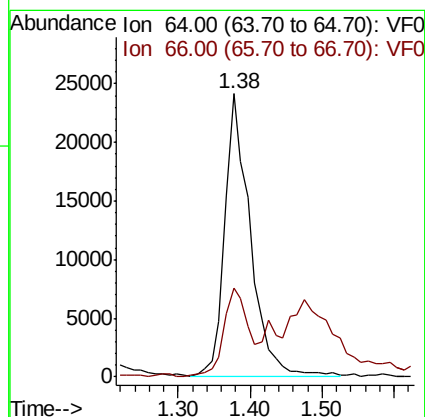
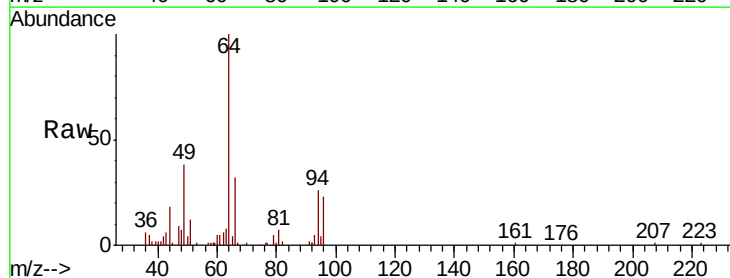
Acq: 3 Jan 2019 15:46

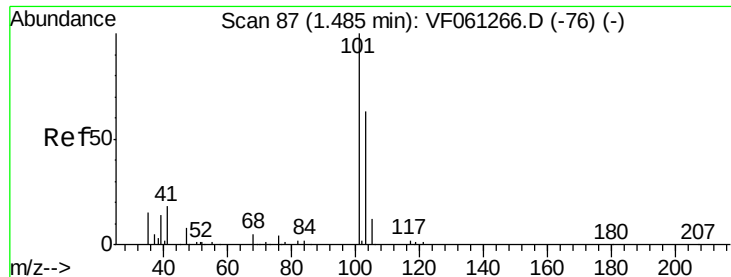
Tgt Ion: 64 Resp: 59625

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8





#7

Trichlorofluoromethane

Concen: 51.823 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

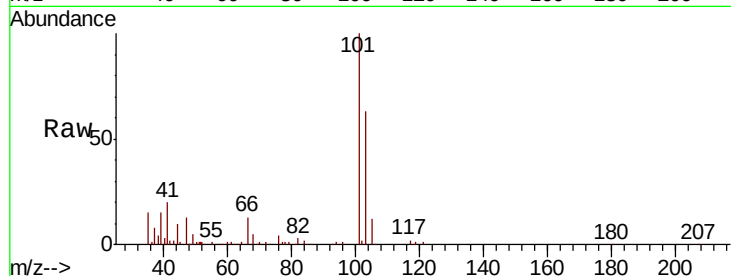
VSTDICCC050

Tgt Ion:101 Resp: 241506

Ion Ratio Lower Upper

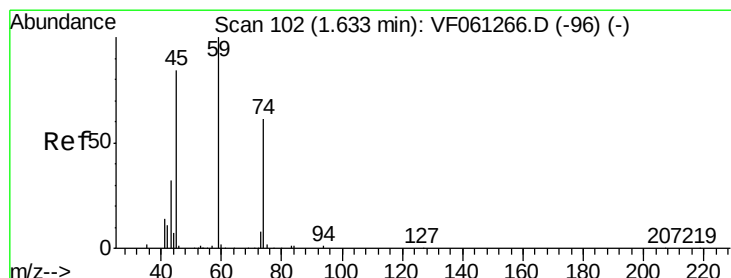
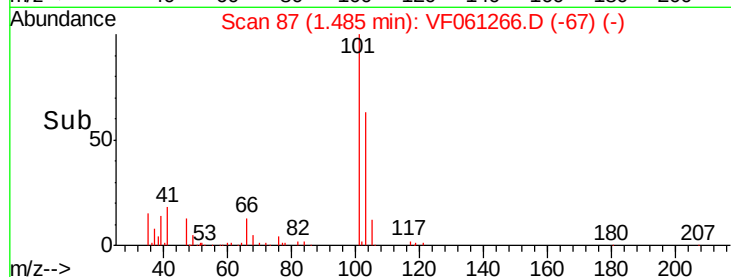
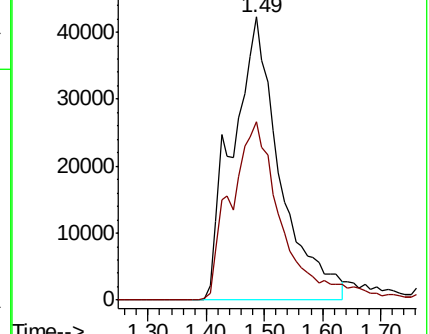
101 100

103 62.9 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.001 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061266.D

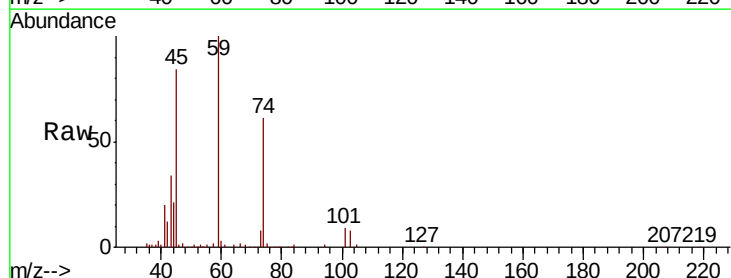
Acq: 3 Jan 2019 15:46

Tgt Ion: 74 Resp: 31026

Ion Ratio Lower Upper

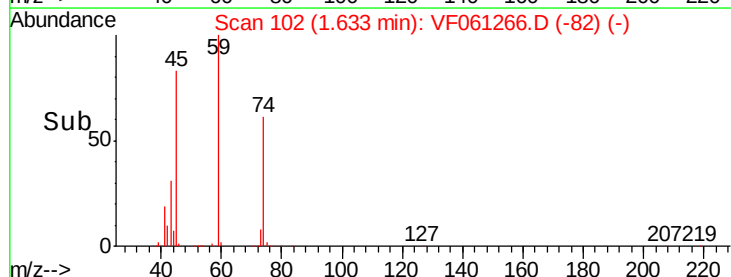
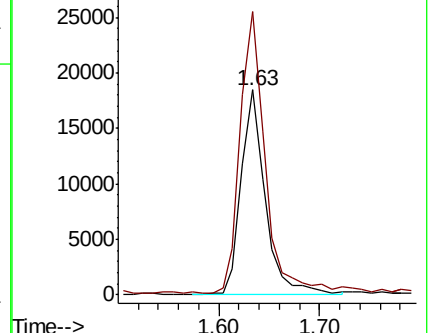
74 100

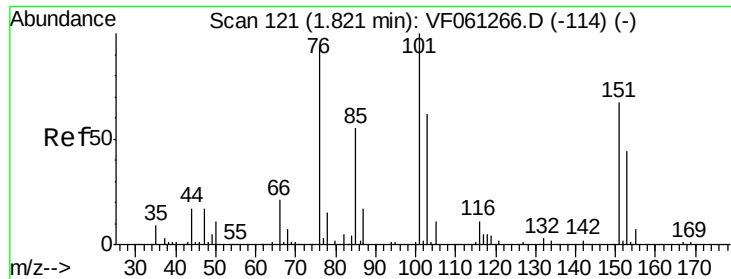
45 138.0 69.0 207.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.406 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

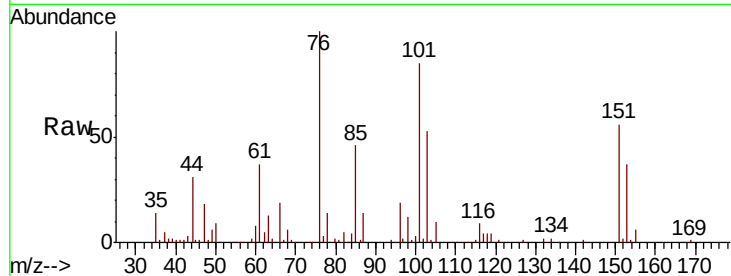
Tgt Ion:101 Resp: 120350

Ion Ratio Lower Upper

101 100

85 53.6 42.9 64.3

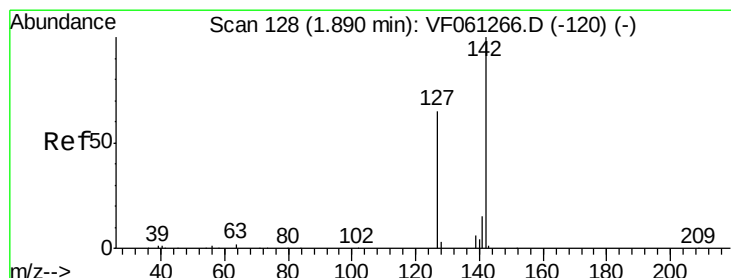
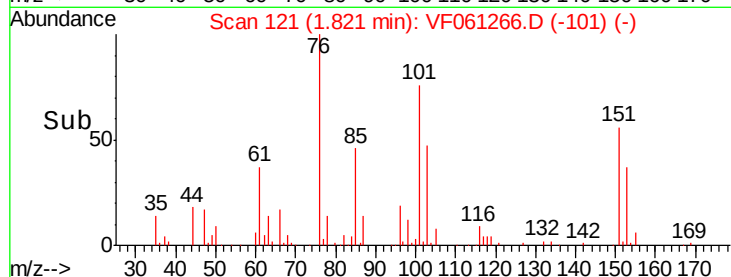
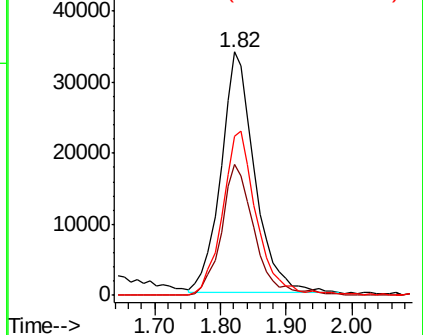
151 65.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 38.652 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

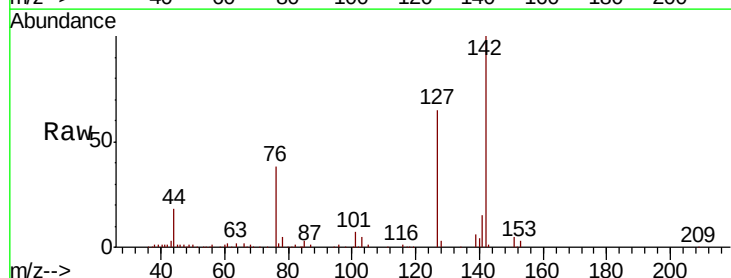
Tgt Ion:142 Resp: 147685

Ion Ratio Lower Upper

142 100

127 65.4 52.3 78.5

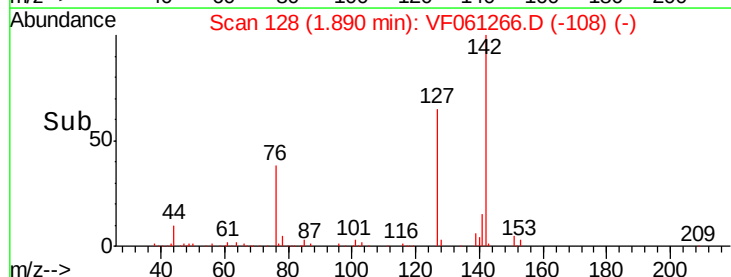
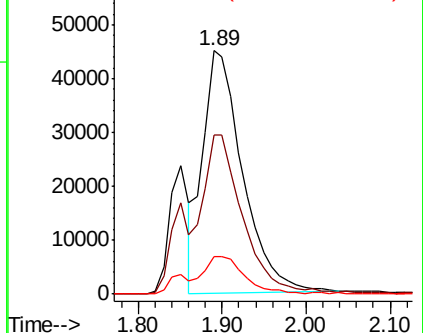
141 15.3 12.2 18.4

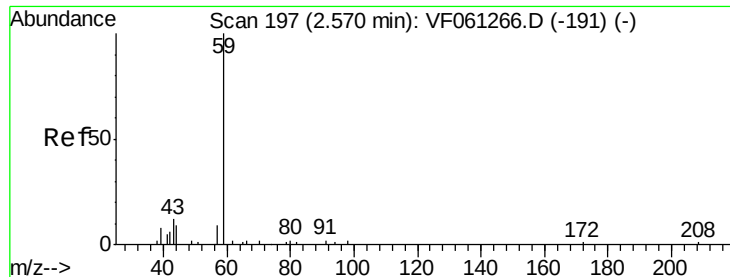


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

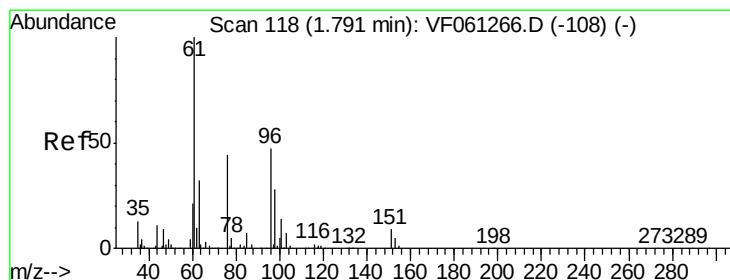
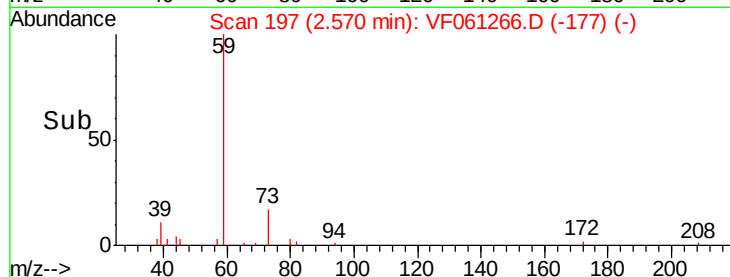
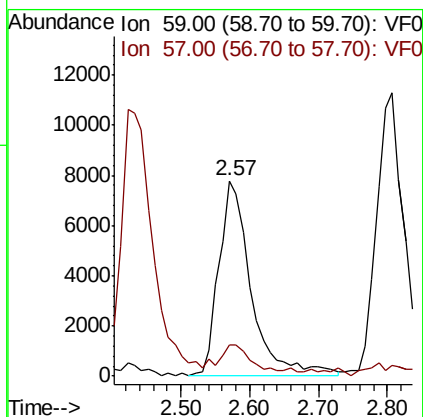
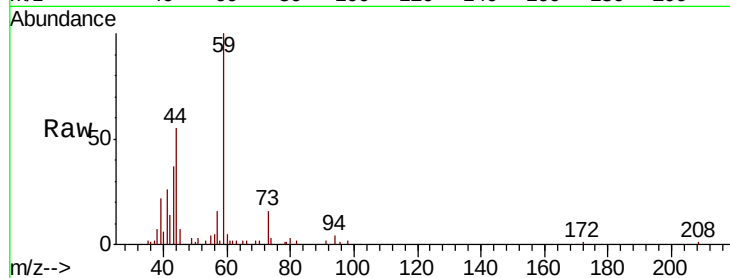




#11
Tert butyl alcohol
Concen: 242.609 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

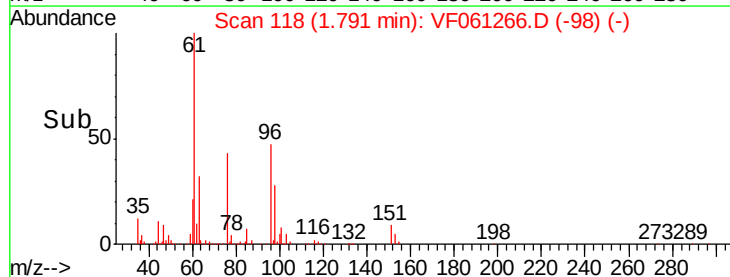
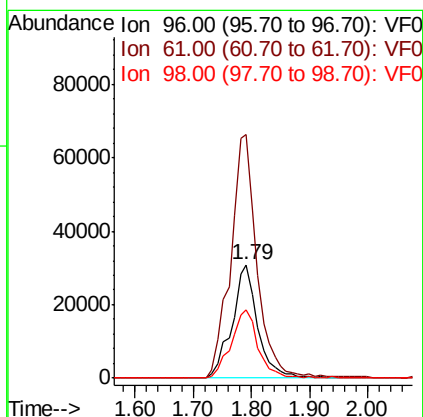
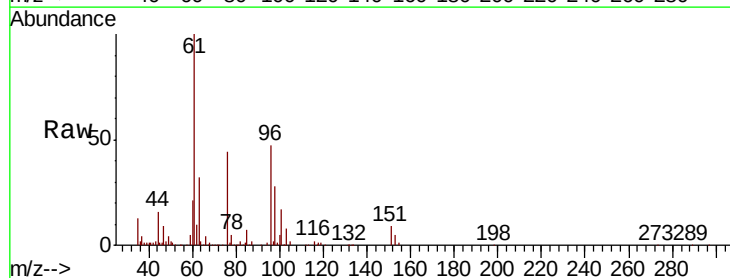
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

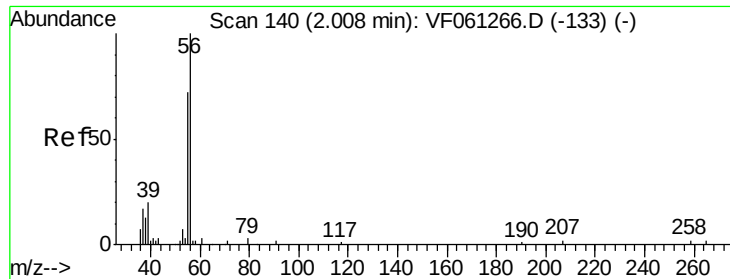
Tgt Ion: 59 Resp: 25668
Ion Ratio Lower Upper
59 100
57 15.7 12.6 18.8



#12
1,1-Dichloroethene
Concen: 51.758 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 96 Resp: 94507
Ion Ratio Lower Upper
96 100
61 214.5 171.6 257.4
98 60.7 48.6 72.8





#13

Acrolein

Concen: 247.396 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

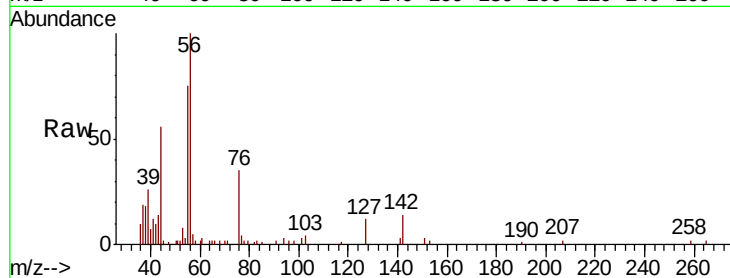
VSTDICCC050

Tgt Ion: 56 Resp: 19634

Ion Ratio Lower Upper

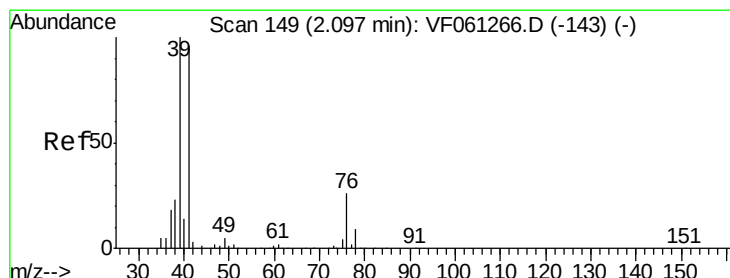
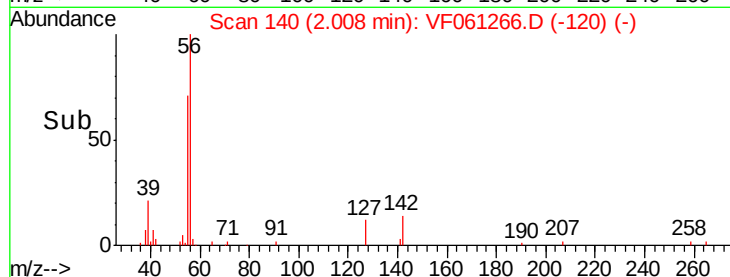
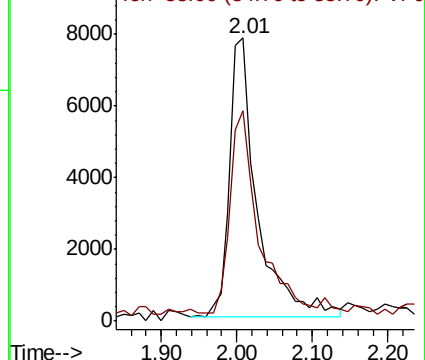
56 100

55 74.6 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 70.022 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

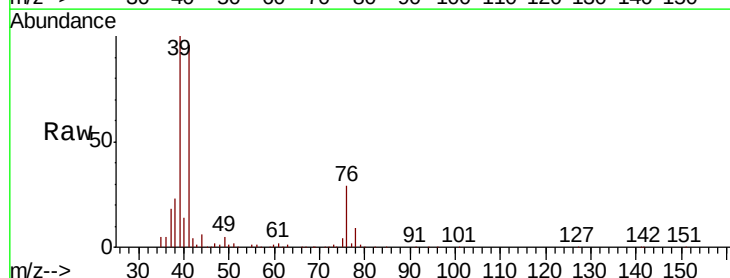
Tgt Ion: 41 Resp: 145885

Ion Ratio Lower Upper

41 100

39 104.3 83.4 125.2

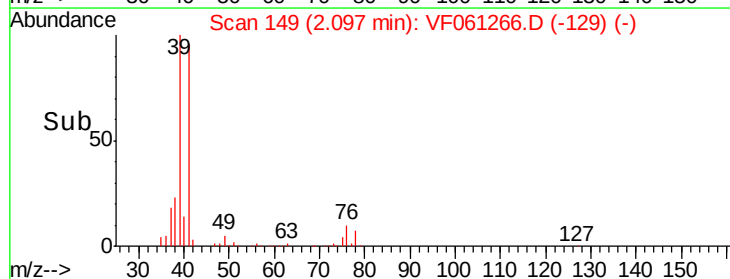
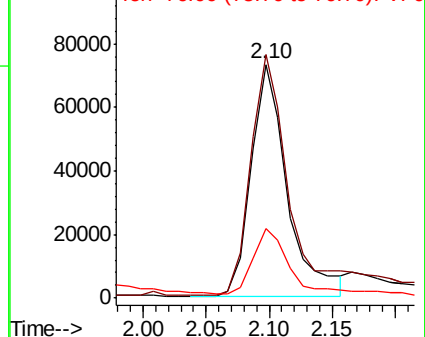
76 29.9 23.9 35.9

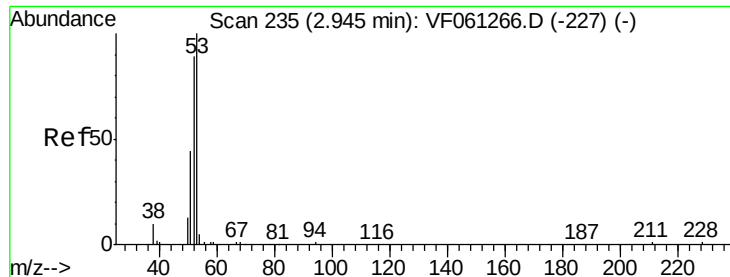


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 275.777 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

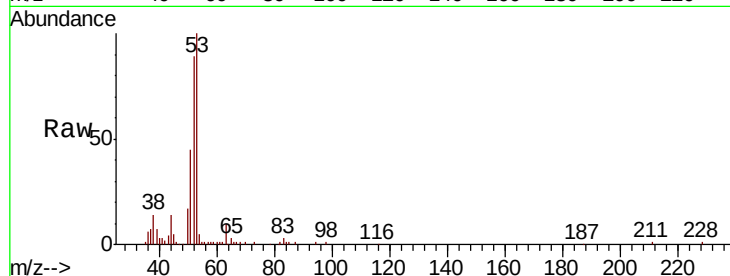
Tgt Ion: 53 Resp: 68902

Ion Ratio Lower Upper

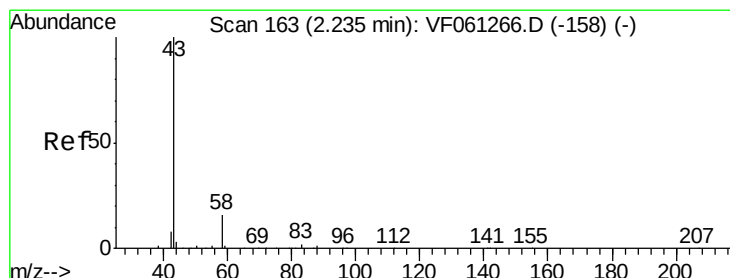
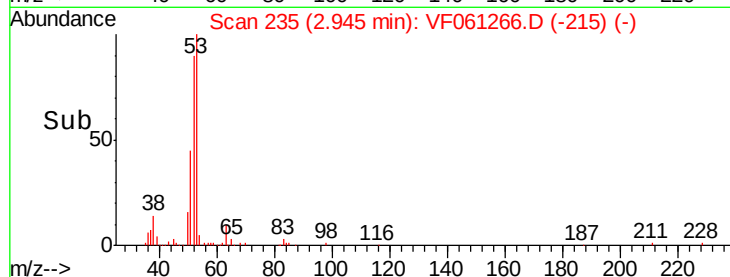
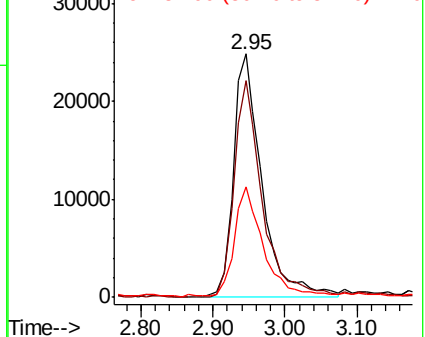
53 100

52 89.1 71.3 106.9

51 45.3 36.2 54.4



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 200.768 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061266.D

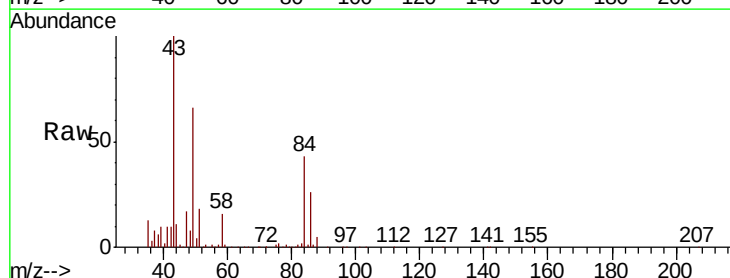
Acq: 3 Jan 2019 15:46

Tgt Ion: 43 Resp: 101280

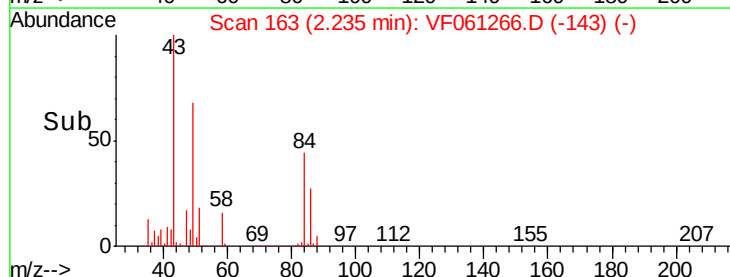
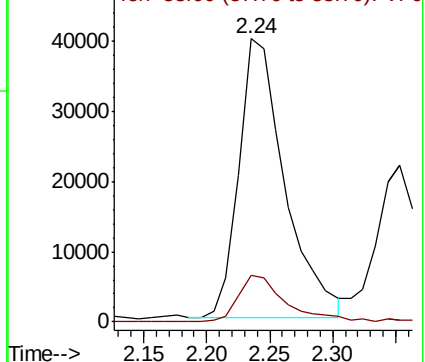
Ion Ratio Lower Upper

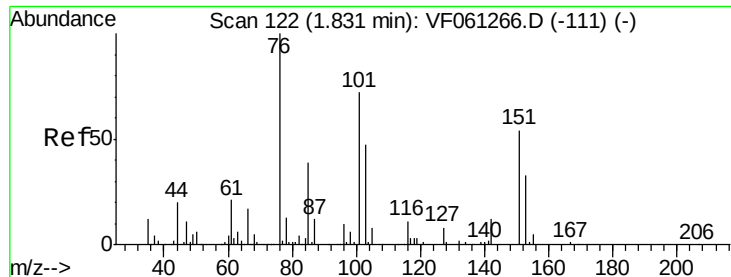
43 100

58 16.2 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

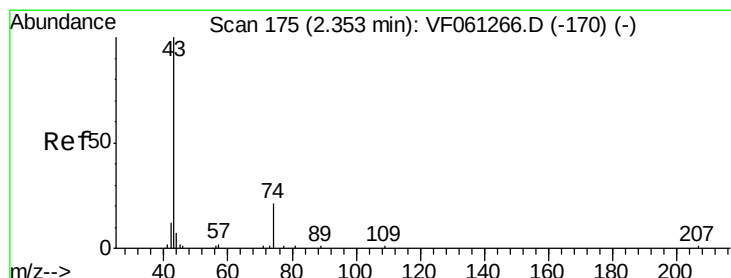
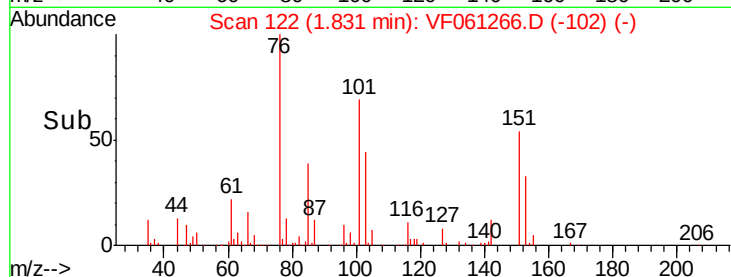
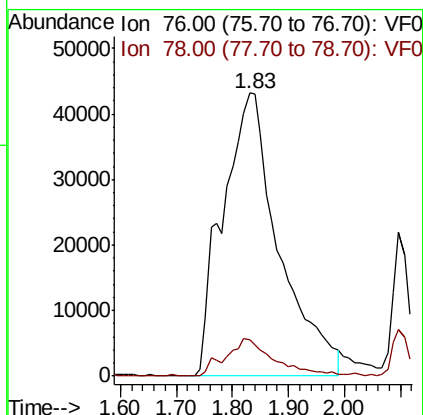
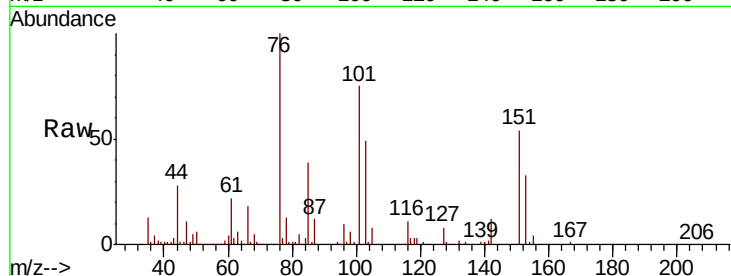




#17
Carbon Disulfide
Concen: 53.705 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

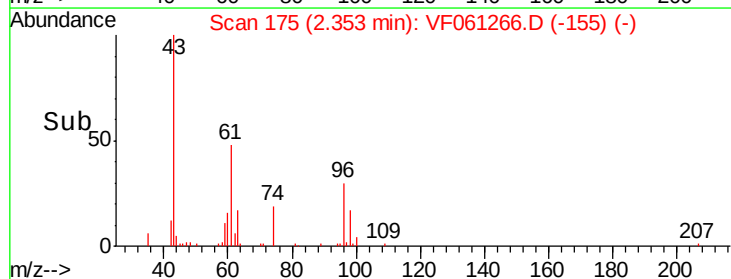
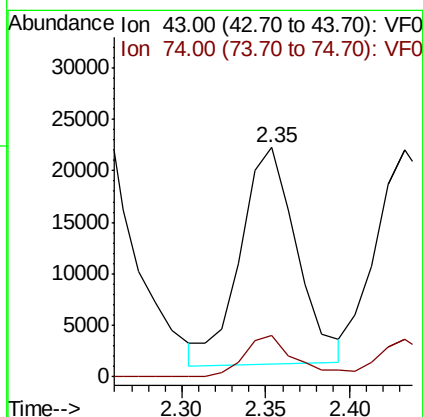
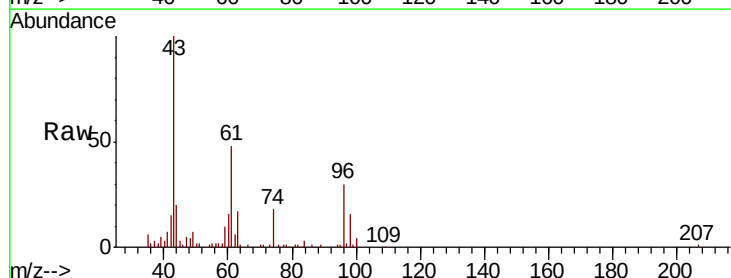
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

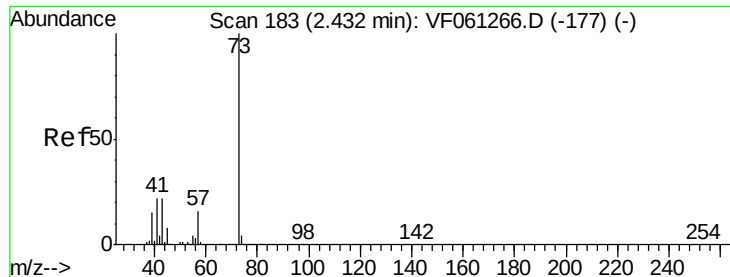
Tgt Ion: 76 Resp: 300575
Ion Ratio Lower Upper
76 100
78 12.8 10.2 15.4



#18
Methyl Acetate
Concen: 44.656 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 43 Resp: 49004
Ion Ratio Lower Upper
43 100
74 18.0 14.4 21.6



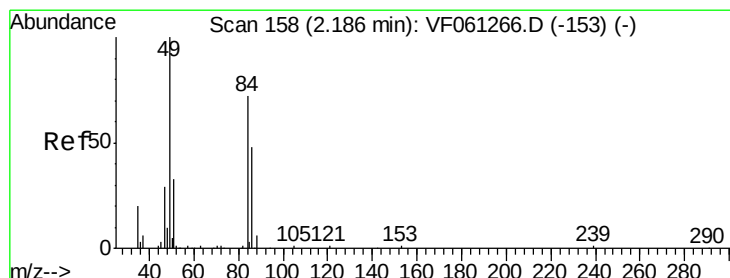
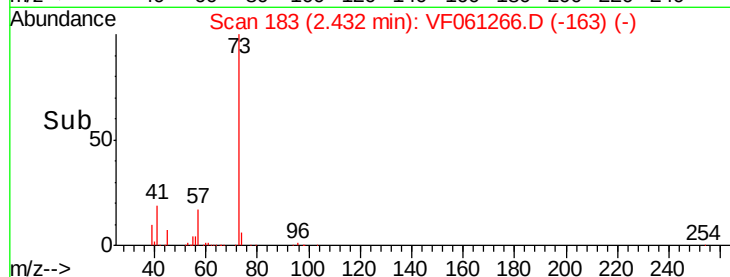
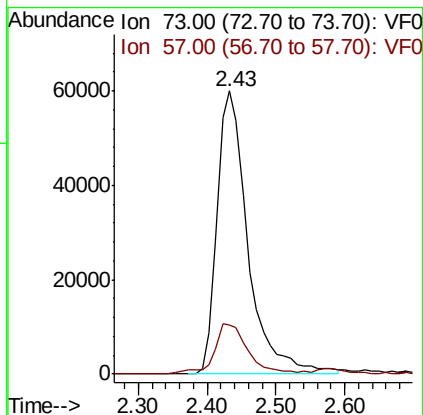
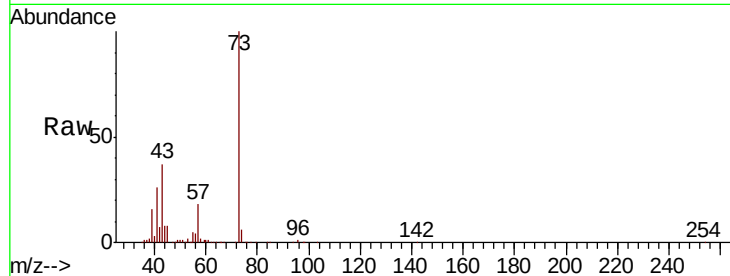


#19

Methyl tert-butyl Ether
Concen: 46.839 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

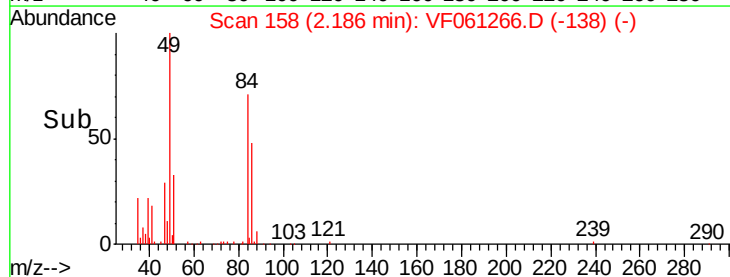
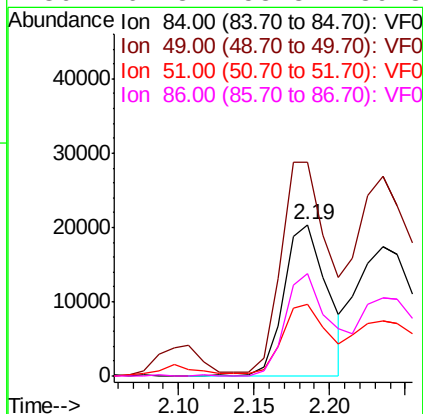
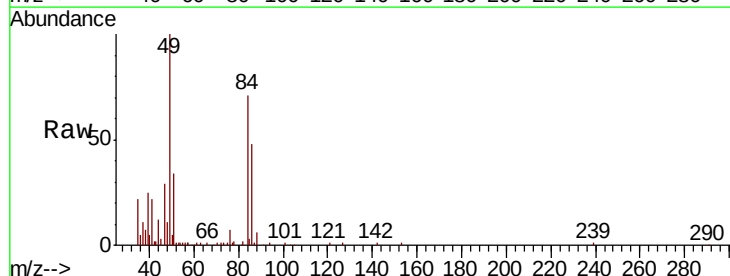
Tgt Ion: 73 Resp: 186900
Ion Ratio Lower Upper
73 100
57 17.5 14.0 21.0

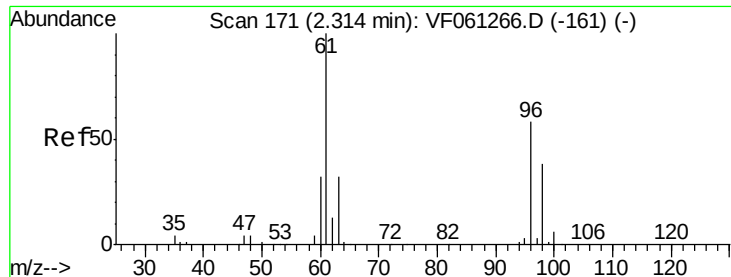


#20

Methylene Chloride
Concen: 20.242 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 84 Resp: 40727
Ion Ratio Lower Upper
84 100
49 141.1 112.9 169.3
51 47.4 37.9 56.9
86 67.3 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 51.547 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

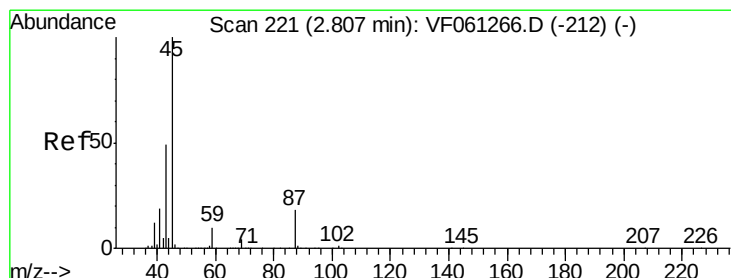
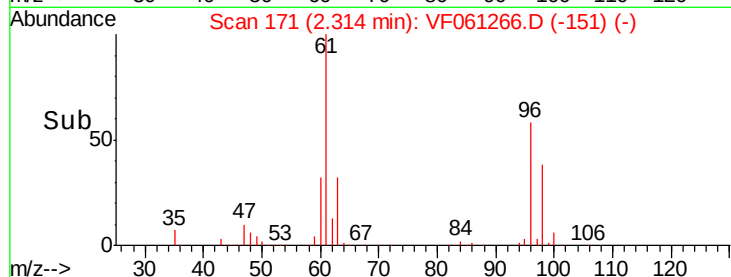
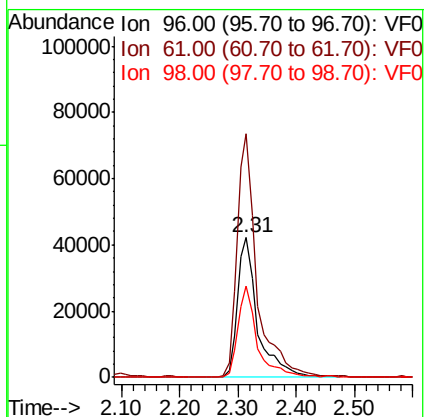
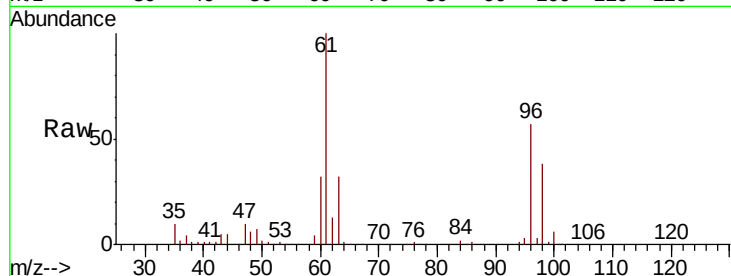
Tgt Ion: 96 Resp: 102363

Ion Ratio Lower Upper

96 100

61 174.1 139.3 208.9

98 65.7 52.6 78.8



#22

Diisopropyl ether

Concen: 52.404 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion: 45 Resp: 334319

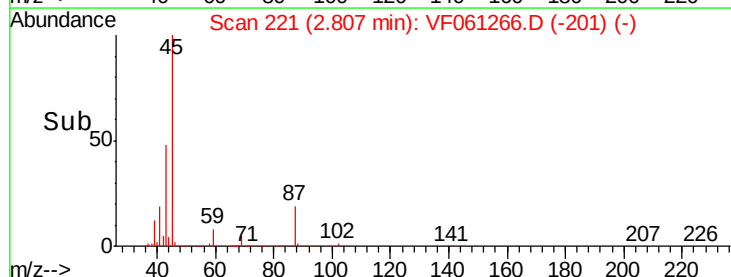
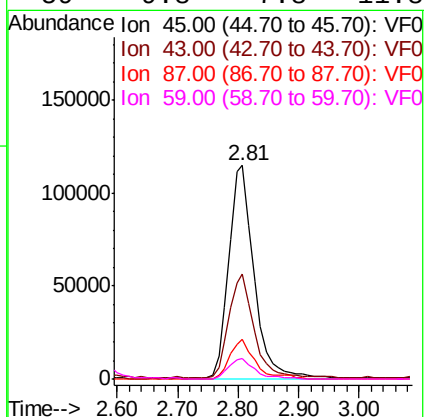
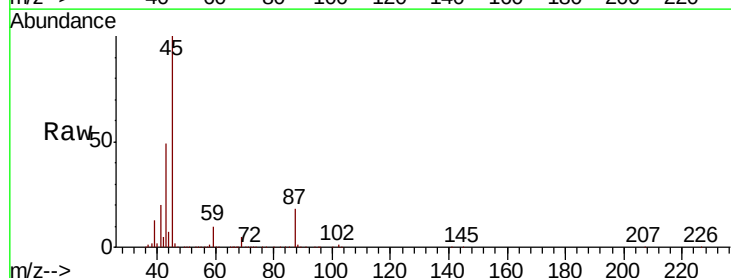
Ion Ratio Lower Upper

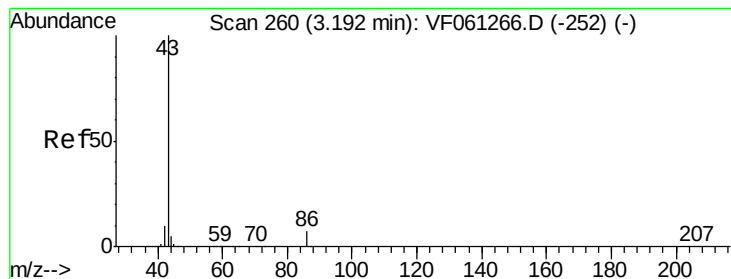
45 100

43 49.4 39.5 59.3

87 18.5 14.8 22.2

59 9.8 7.8 11.8





#23

Vinyl Acetate

Concen: 253.422 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

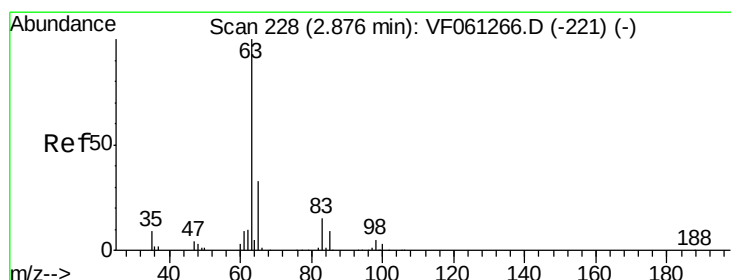
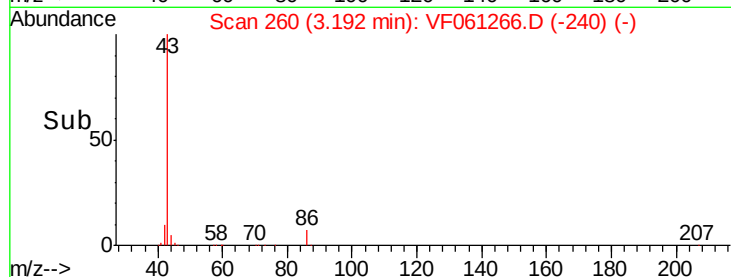
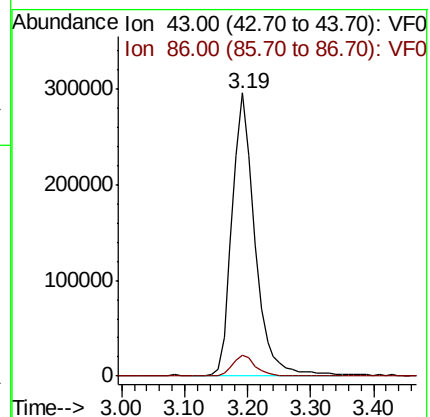
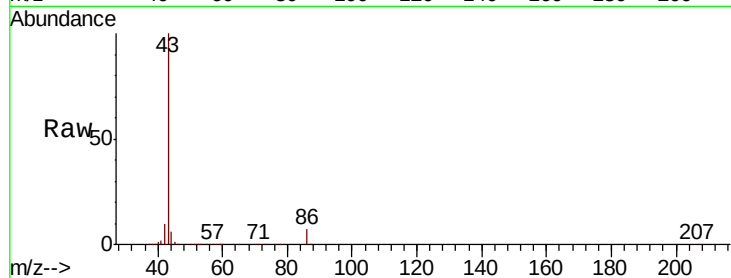
VSTDICCC050

Tgt Ion: 43 Resp: 737834

Ion Ratio Lower Upper

43 100

86 7.5 6.0 9.0



#24

1,1-Dichloroethane

Concen: 54.830 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

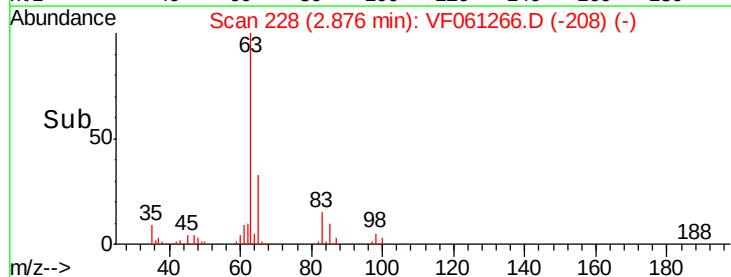
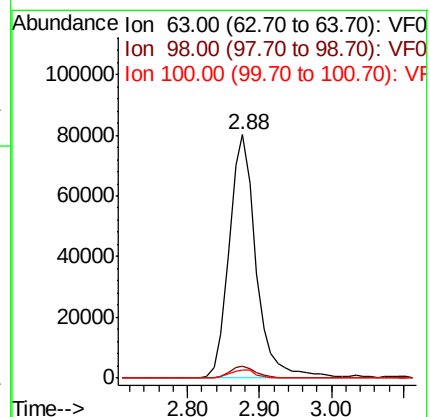
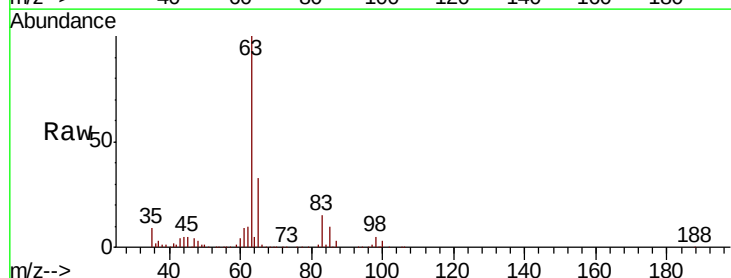
Tgt Ion: 63 Resp: 207964

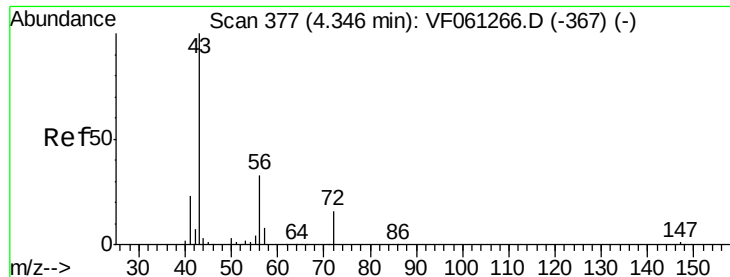
Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

100 3.2 1.6 4.8





#25

2-Butanone

Concen: 247.043 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

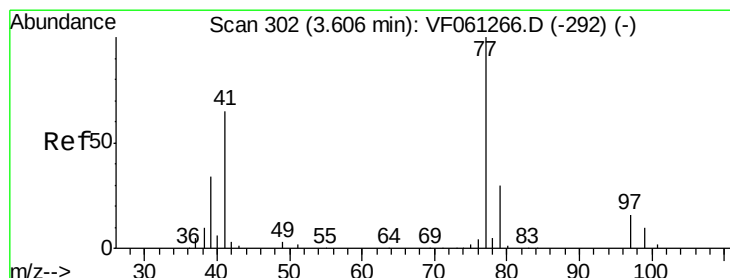
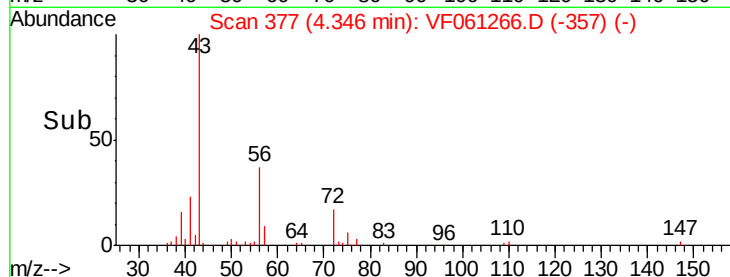
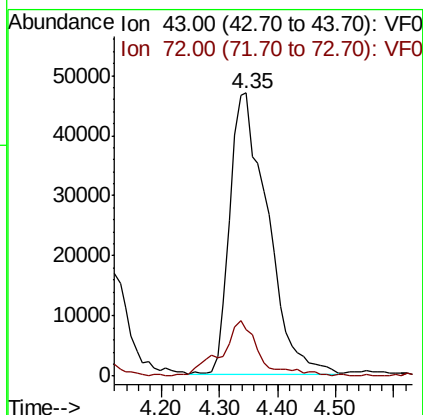
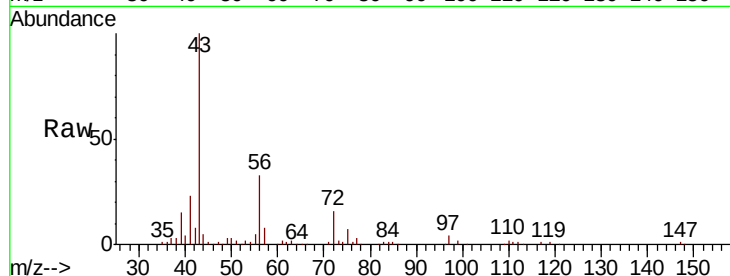
VSTDICCC050

Tgt Ion: 43 Resp: 212017

Ion Ratio Lower Upper

43 100

72 16.3 13.0 19.6



#26

2,2-Dichloropropane

Concen: 55.246 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.00 min

Lab File: VF061266.D

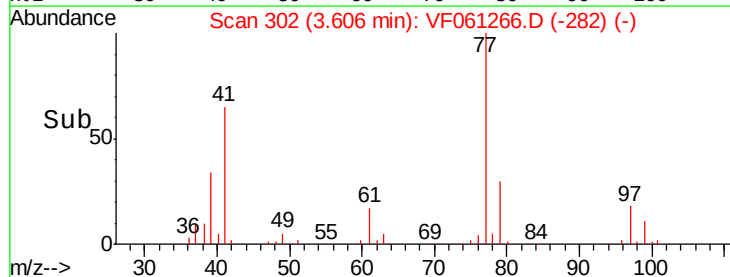
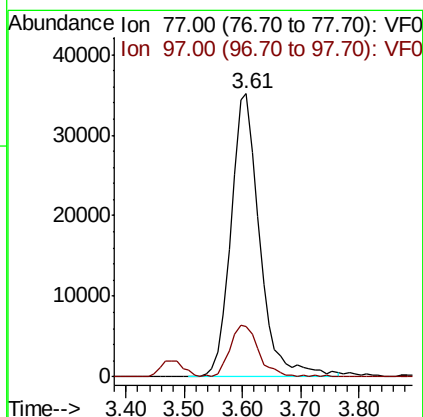
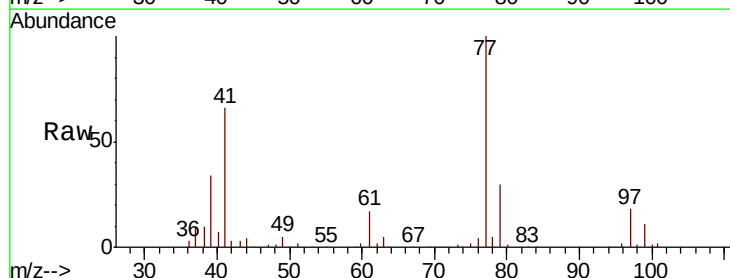
Acq: 3 Jan 2019 15:46

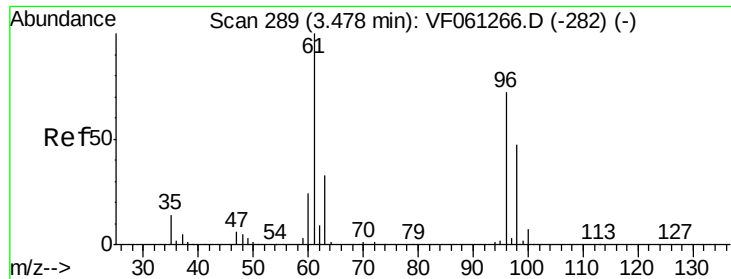
Tgt Ion: 77 Resp: 121054

Ion Ratio Lower Upper

77 100

97 17.8 8.9 26.7



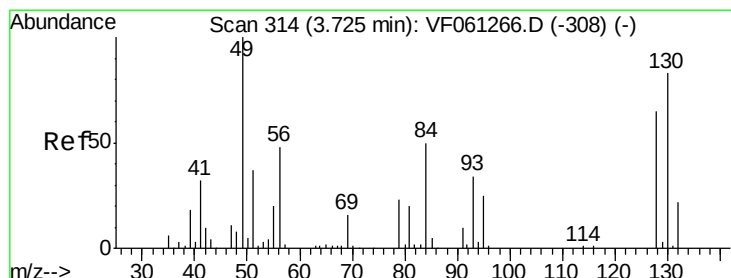
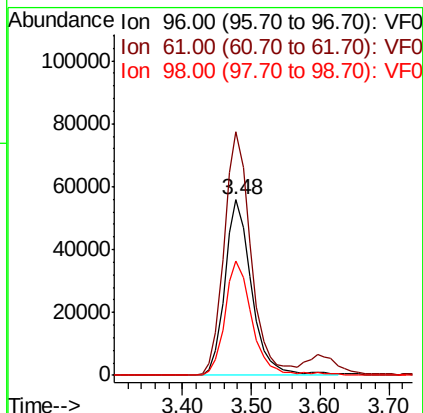
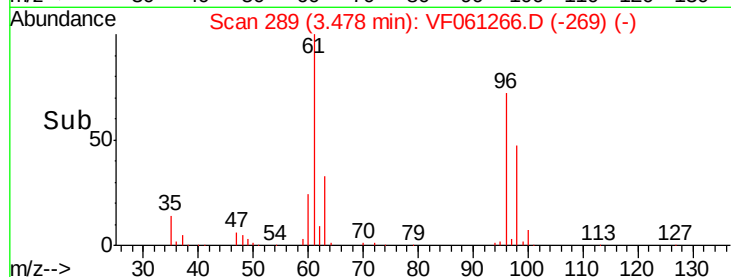
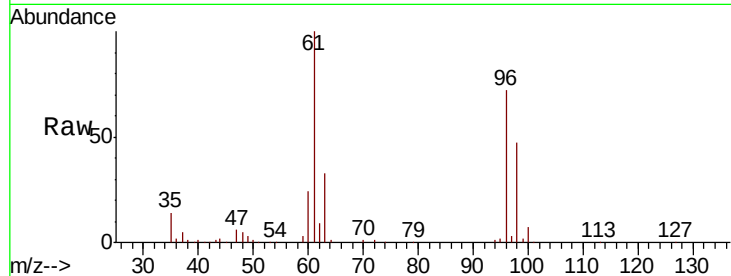


#27

cis-1,2-Dichloroethene
 Concen: 49.984 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

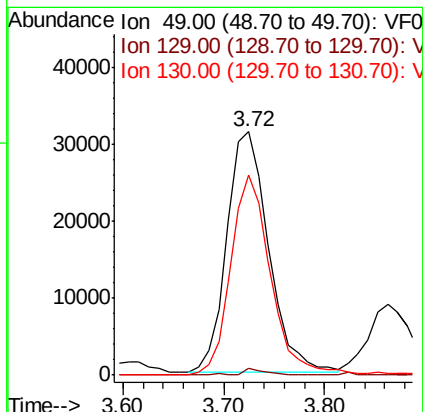
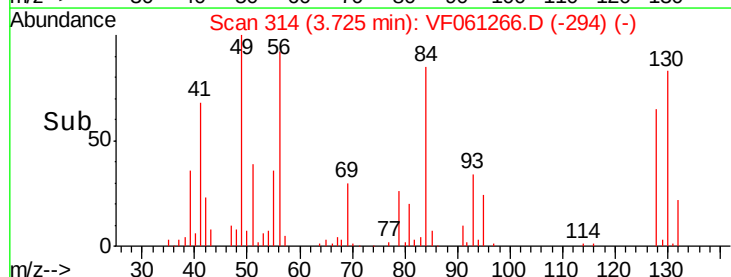
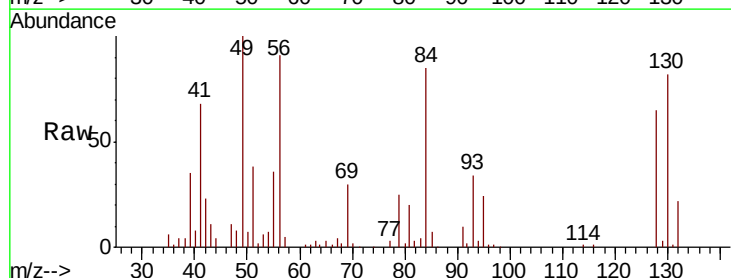
Tgt Ion: 96 Resp: 150148
 Ion Ratio Lower Upper
 96 100
 61 138.9 0.0 277.8
 98 65.4 0.0 130.8

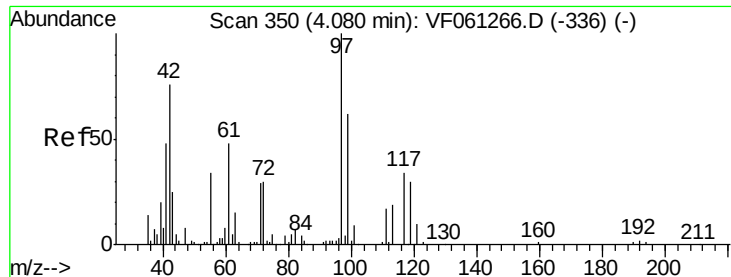


#28

Bromochloromethane
 Concen: 47.996 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 49 Resp: 90353
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.4
 130 82.1 65.7 98.5





#29

Tetrahydrofuran

Concen: 242.056 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

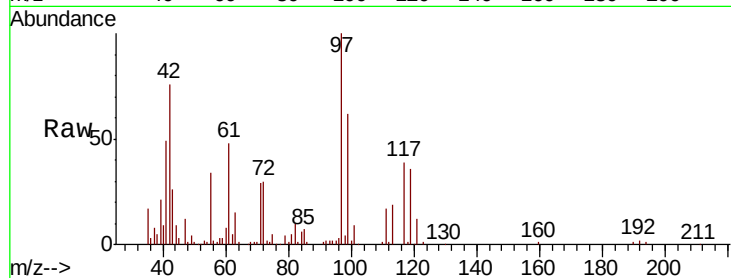
Tgt Ion: 42 Resp: 84740

Ion Ratio Lower Upper

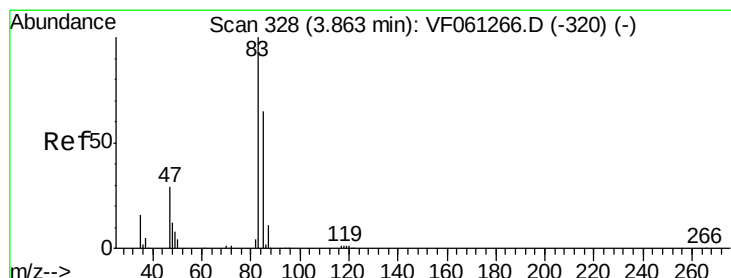
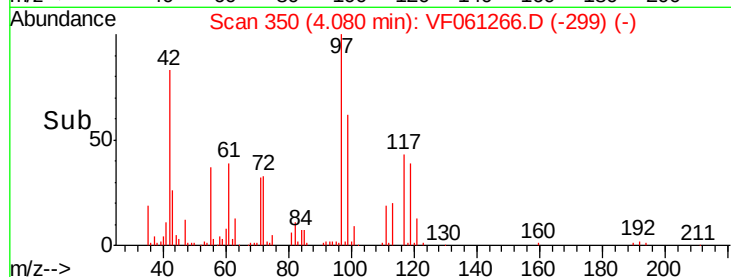
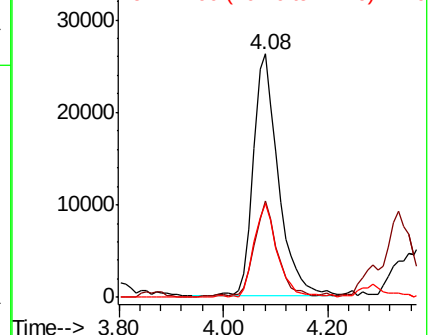
42 100

72 36.5 29.2 43.8

71 36.4 29.1 43.7



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 50.912 ug/l

RT: 3.86 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF061266.D

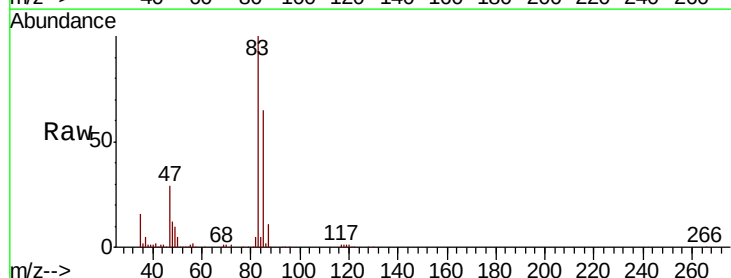
Acq: 3 Jan 2019 15:46

Tgt Ion: 83 Resp: 285753

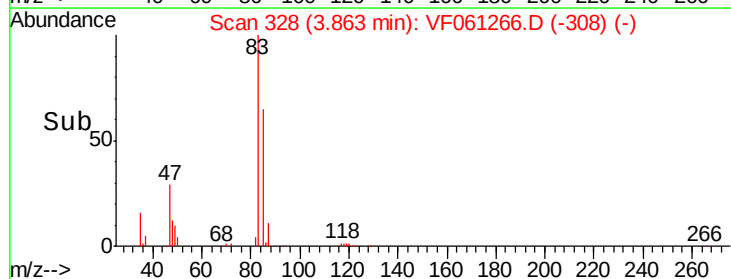
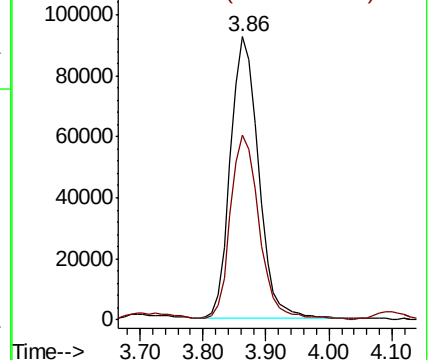
Ion Ratio Lower Upper

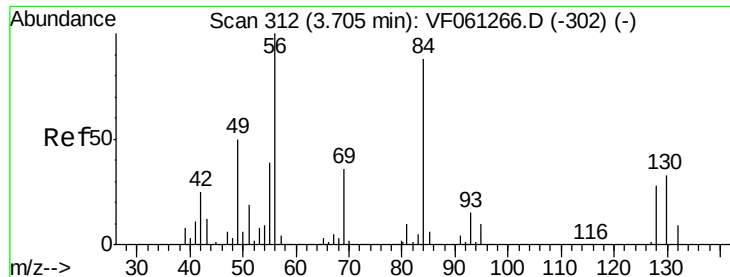
83 100

85 65.3 52.2 78.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

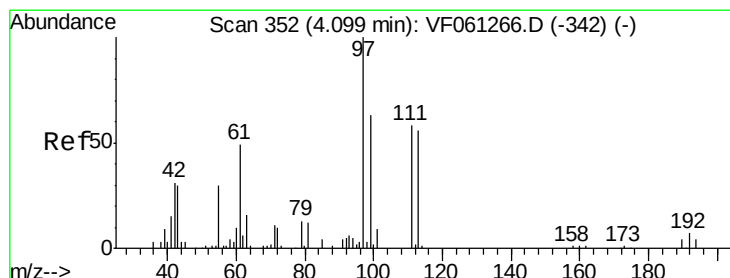
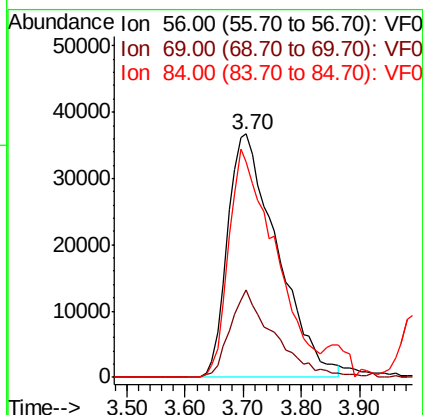
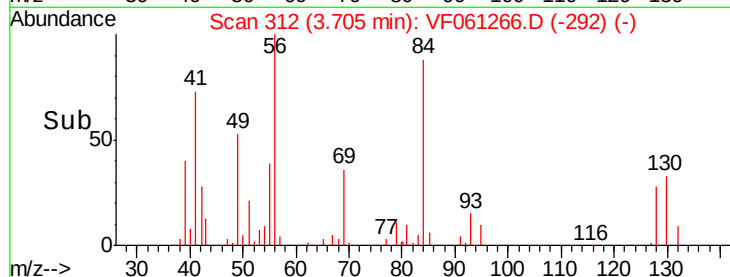
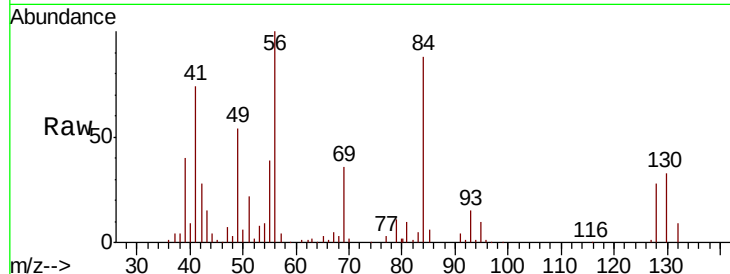




#31
Cyclohexane
Concen: 54.858 ug/l
RT: 3.70 min Scan# 312
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

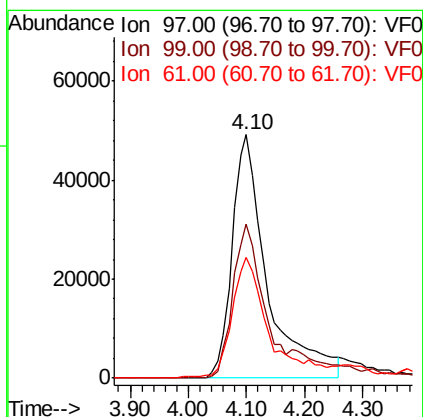
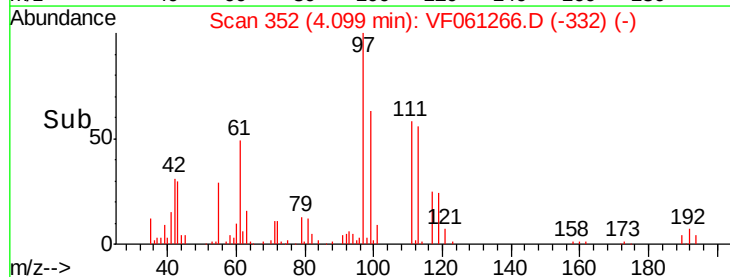
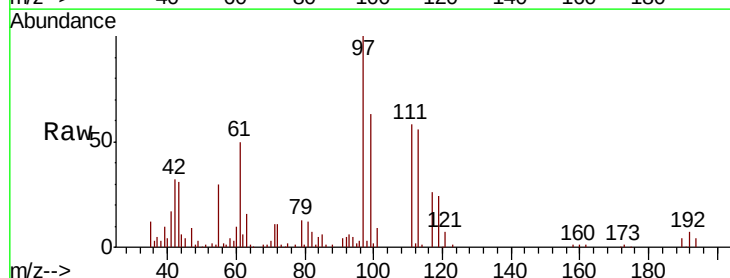
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

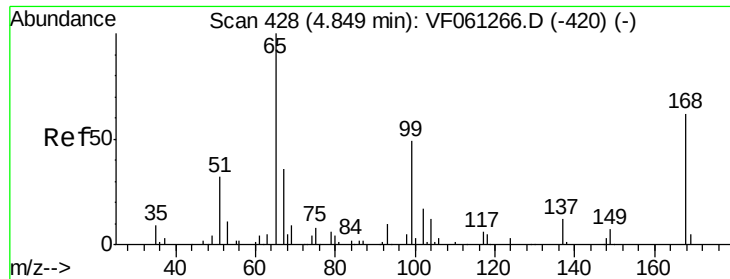
Tgt Ion: 56 Resp: 217948
Ion Ratio Lower Upper
56 100
69 35.9 28.7 43.1
84 88.3 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 59.264 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 97 Resp: 207595
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 49.5 39.6 59.4

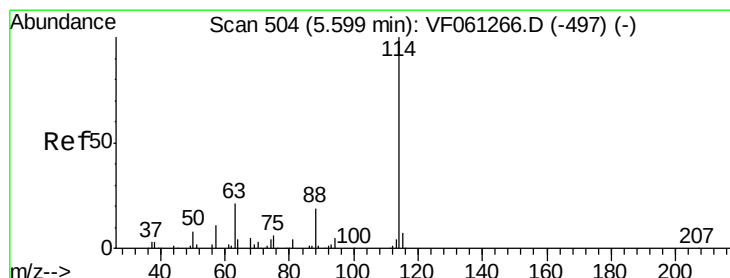
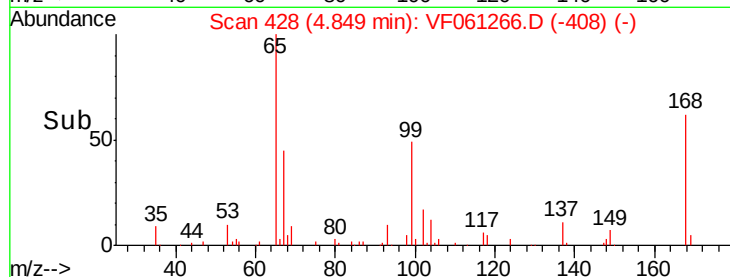
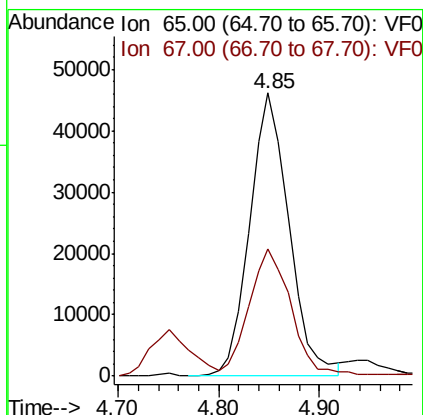
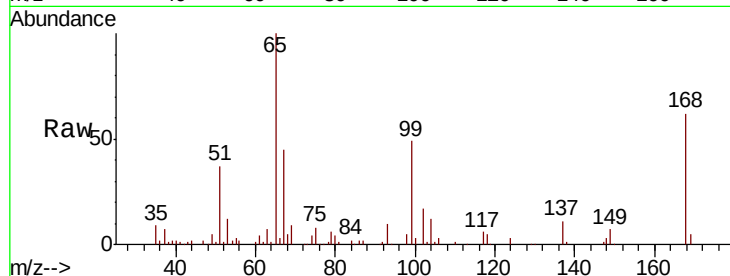




#33
 1,2-Dichloroethane-d4
 Concen: 46.858 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

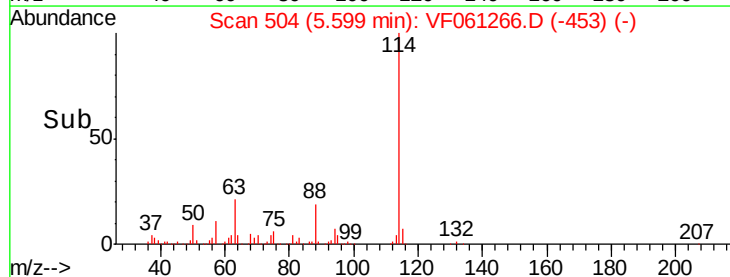
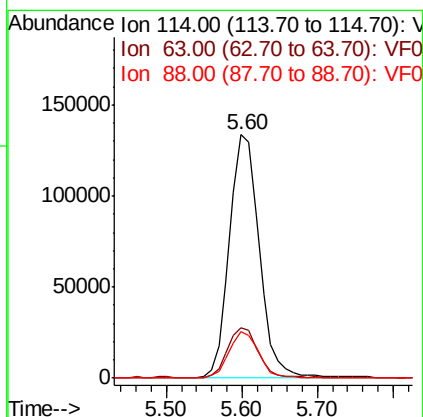
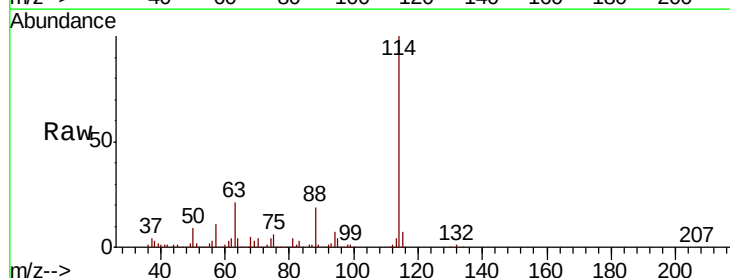
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

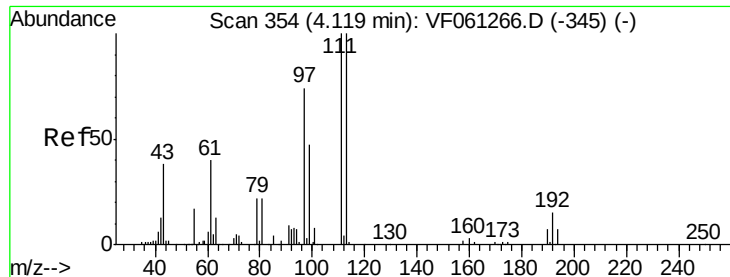
Tgt Ion: 65 Resp: 124136
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 90.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 114 Resp: 367614
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 19.2 0.0 38.4

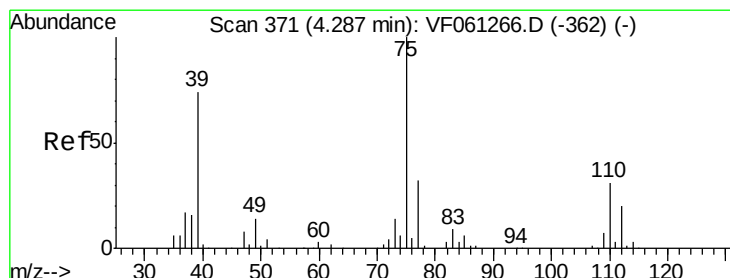
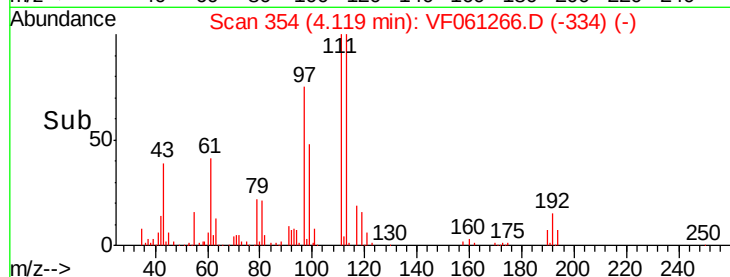
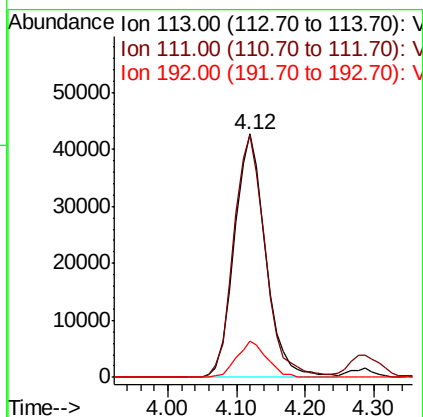
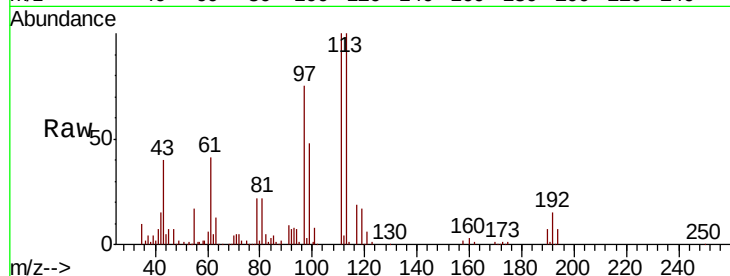




#35
 Dibromofluoromethane
 Concen: 45.697 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

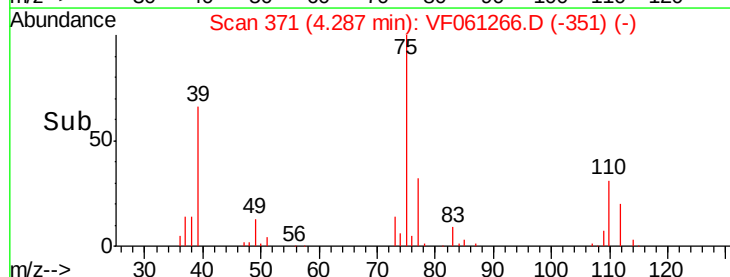
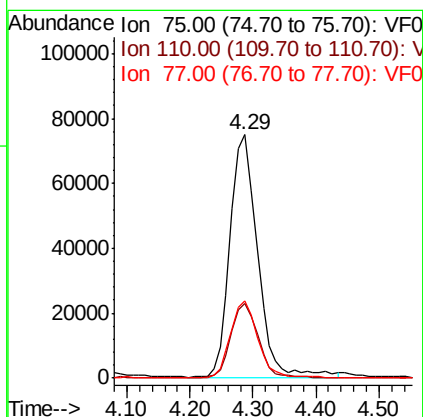
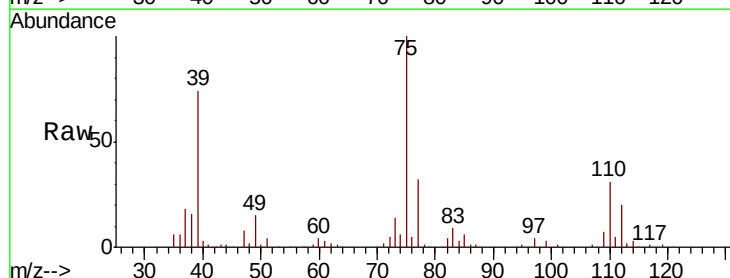
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

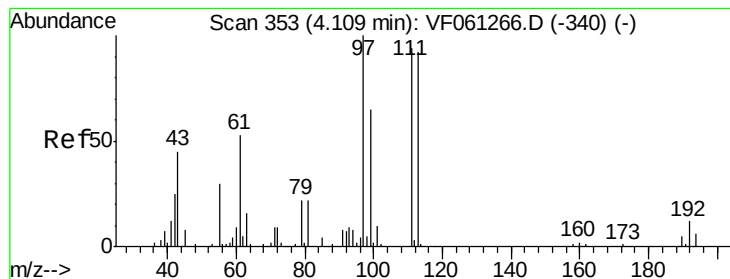
Tgt Ion:113 Resp: 134225
 Ion Ratio Lower Upper
 113 100
 111 99.7 79.8 119.6
 192 14.9 11.9 17.9



#36
 1,1-Dichloropropene
 Concen: 51.012 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 75 Resp: 226809
 Ion Ratio Lower Upper
 75 100
 110 30.9 15.4 46.4
 77 32.0 25.6 38.4





#37

Ethyl Acetate

Concen: 43.578 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

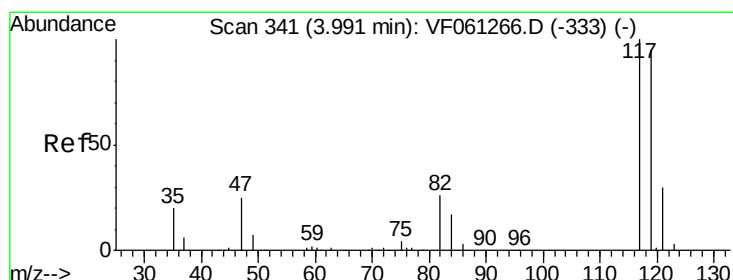
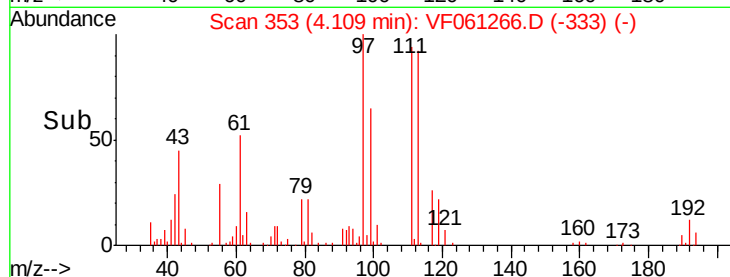
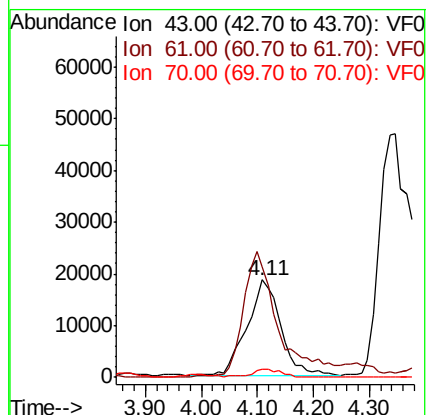
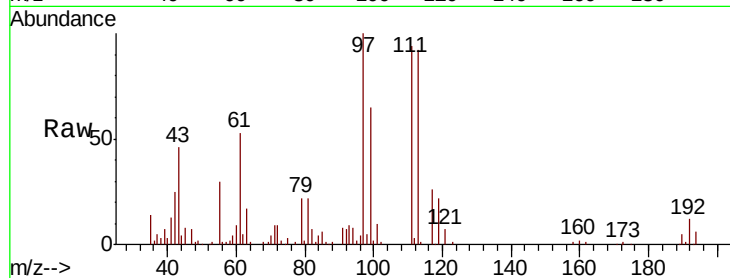
Tgt Ion: 43 Resp: 78231

Ion Ratio Lower Upper

43 100

61 114.0 91.2 136.8

70 8.9 7.1 10.7



#38

Carbon Tetrachloride

Concen: 53.657 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

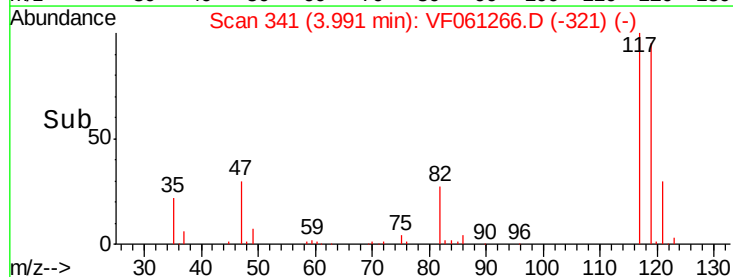
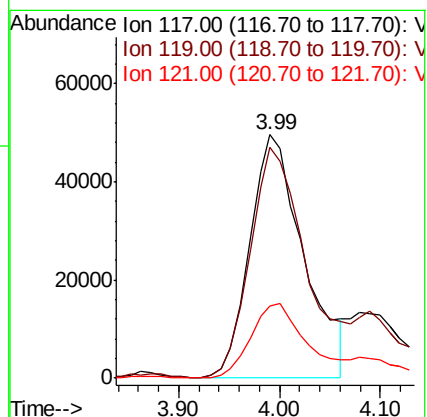
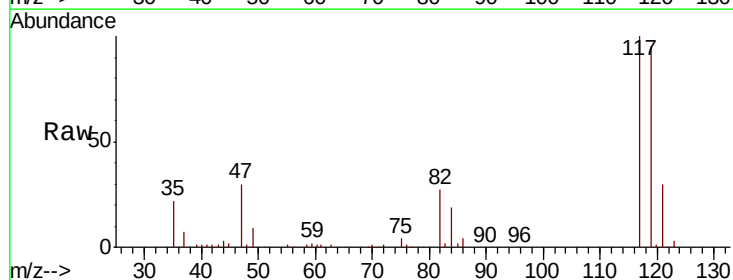
Tgt Ion: 117 Resp: 184000

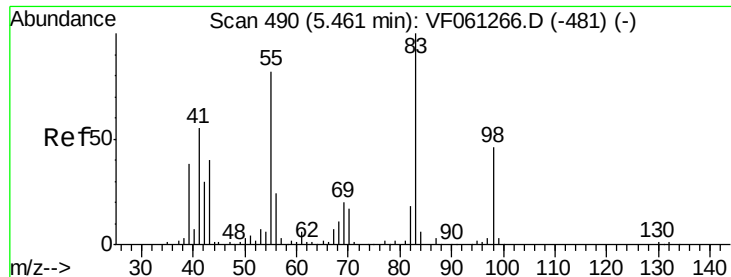
Ion Ratio Lower Upper

117 100

119 95.0 76.0 114.0

121 29.8 23.8 35.8

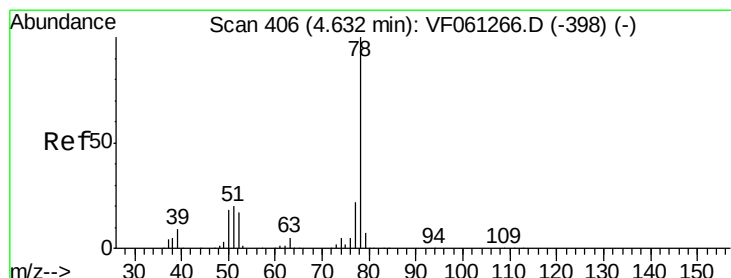
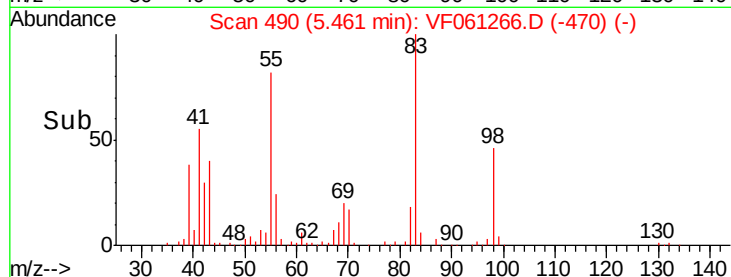
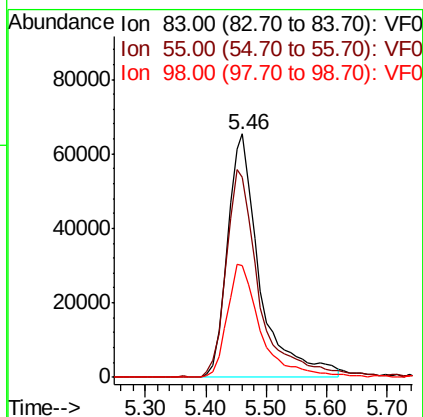
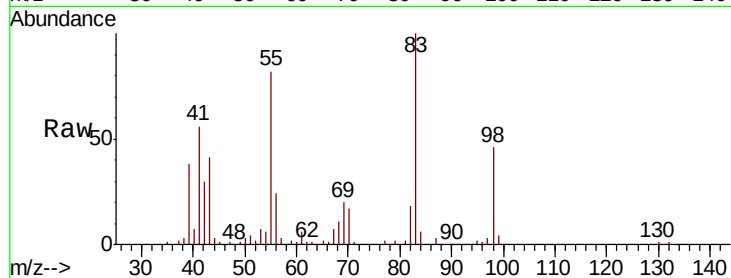




#39
Methylcyclohexane
Concen: 59.188 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

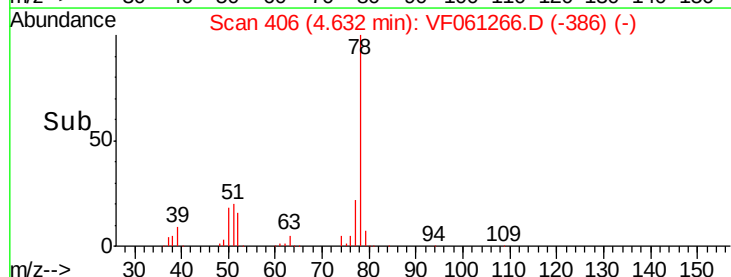
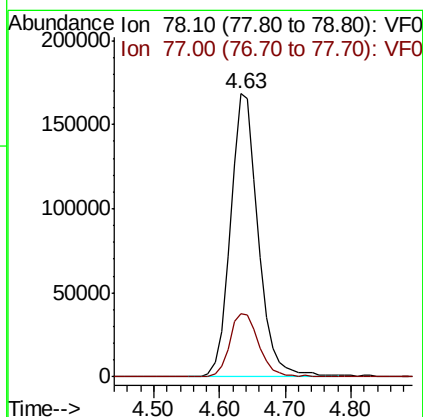
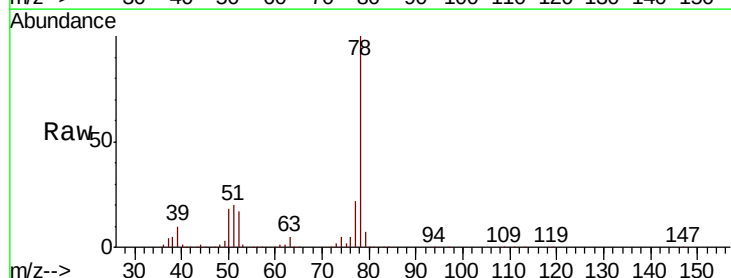
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

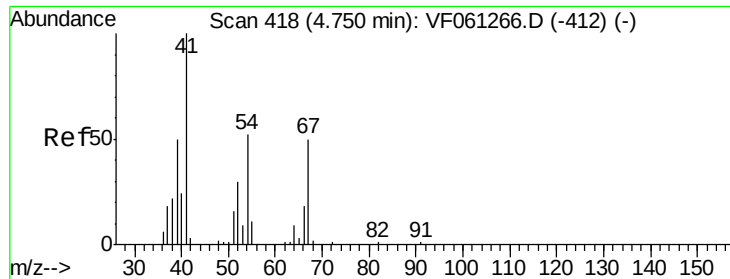
Tgt Ion: 83 Resp: 241787
Ion Ratio Lower Upper
83 100
55 82.0 65.6 98.4
98 45.9 36.7 55.1



#40
Benzene
Concen: 51.597 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 78 Resp: 496689
Ion Ratio Lower Upper
78 100
77 22.5 18.0 27.0

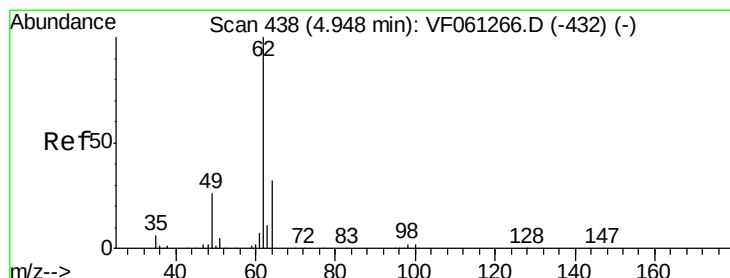
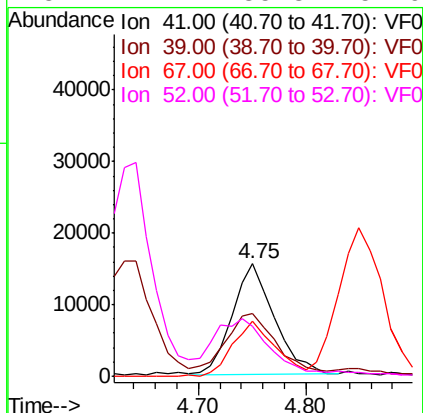
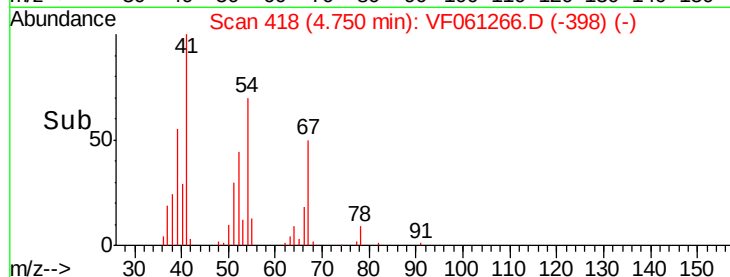
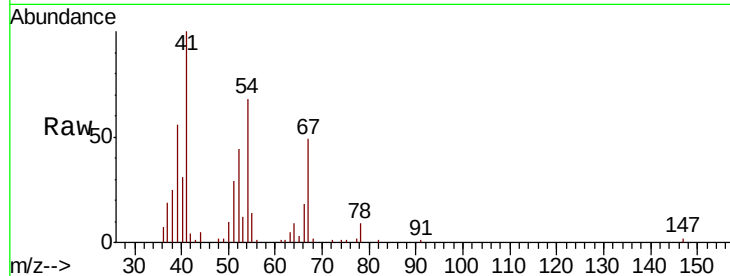




#41
Methacrylonitrile
Concen: 44.894 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

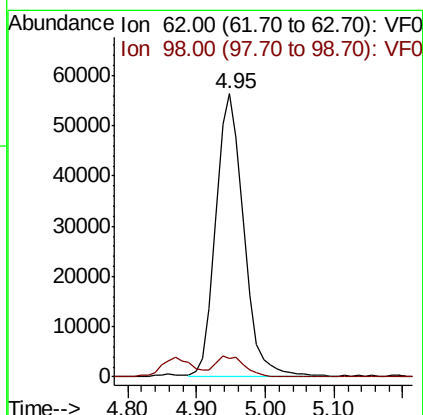
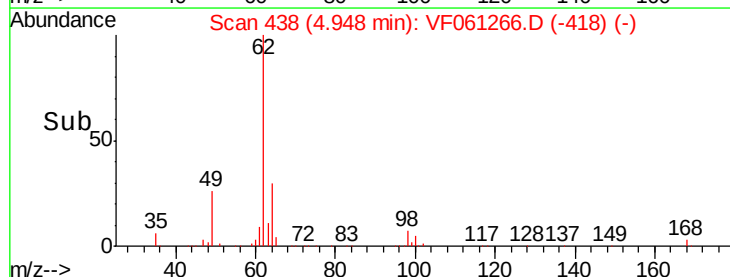
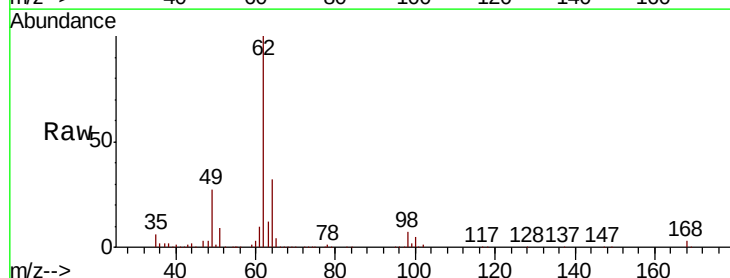
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

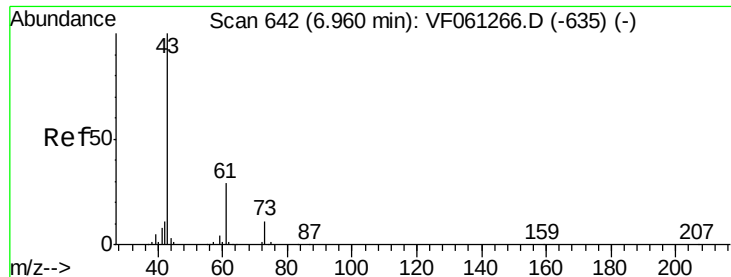
Tgt Ion:	41	Resp:	41301
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	66.8
67	49.1	39.3	58.9
52	44.1	35.3	52.9



#42
1,2-Dichloroethane
Concen: 44.460 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion:	62	Resp:	157296
Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	13.4





#43

Isopropyl Acetate

Concen: 48.348 ug/l

RT: 6.96 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

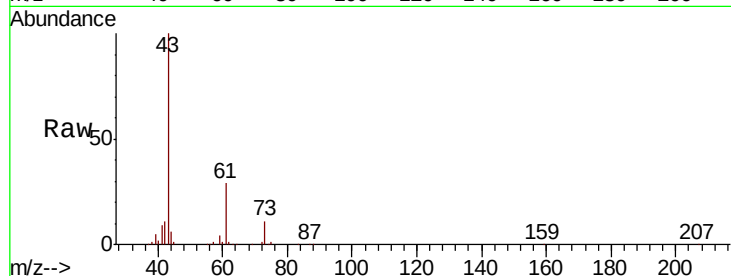
Tgt Ion: 43 Resp: 103628

Ion Ratio Lower Upper

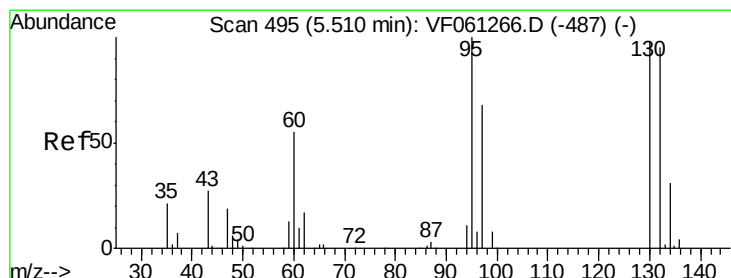
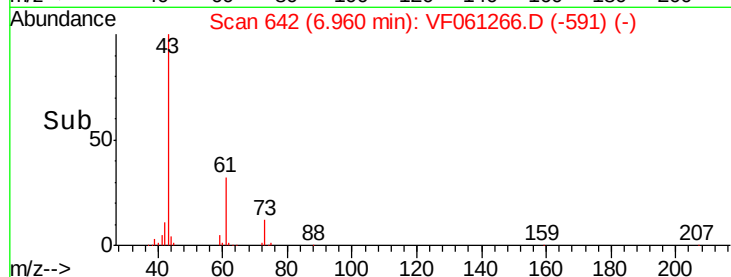
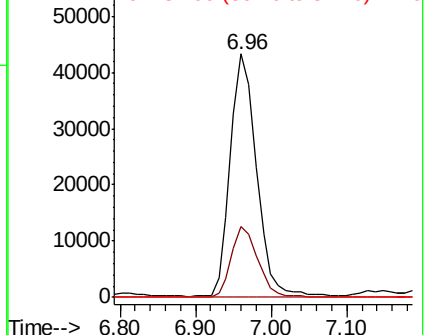
43 100

61 29.3 23.4 35.2

87 0.4 0.3 0.5



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 48.756 ug/l

RT: 5.51 min Scan# 495

Delta R.T. 0.00 min

Lab File: VF061266.D

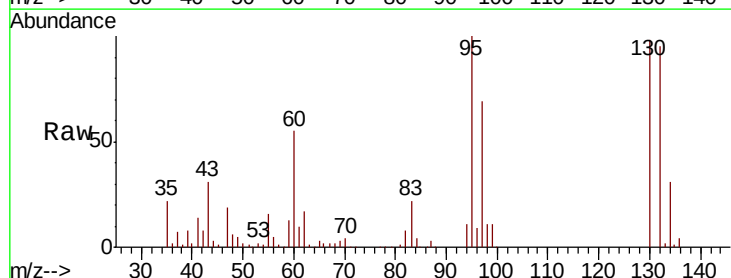
Acq: 3 Jan 2019 15:46

Tgt Ion: 130 Resp: 145781

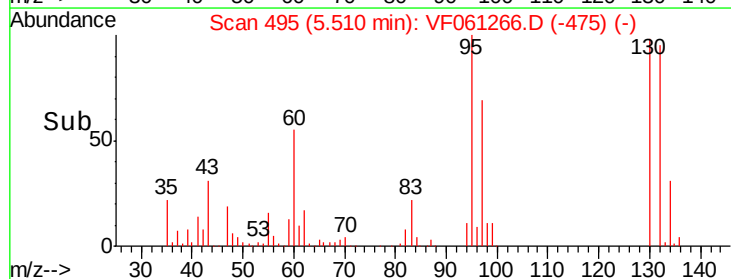
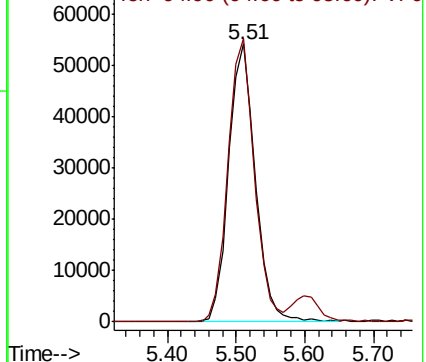
Ion Ratio Lower Upper

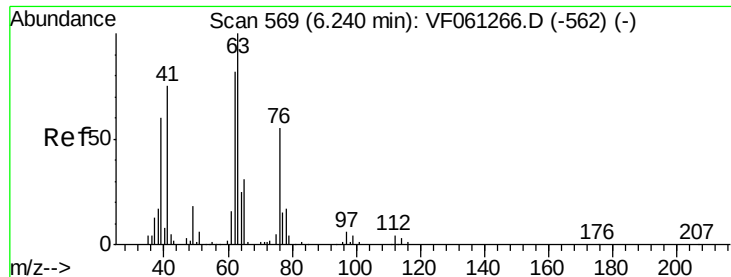
130 100

95 102.0 0.0 204.0



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.237 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

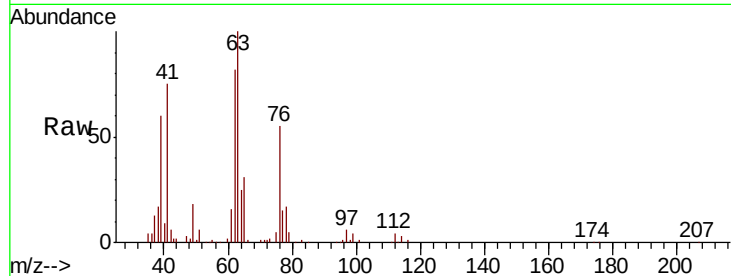
VSTDICCC050

Tgt Ion: 63 Resp: 130785

Ion Ratio Lower Upper

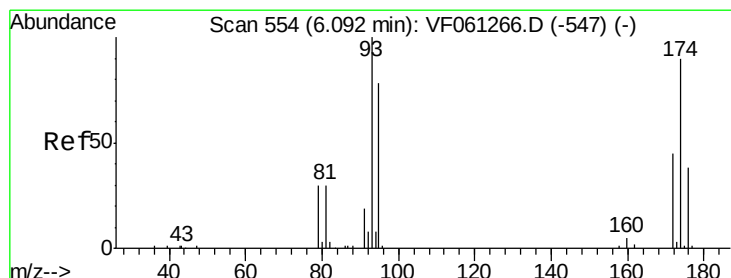
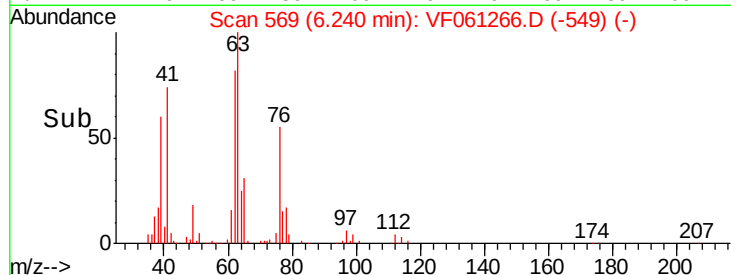
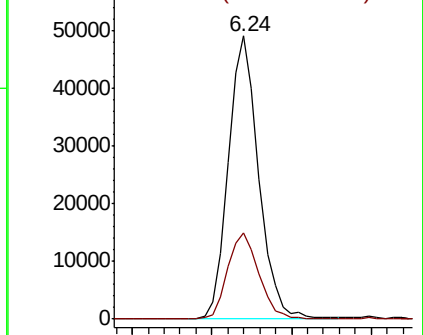
63 100

65 30.5 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.402 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

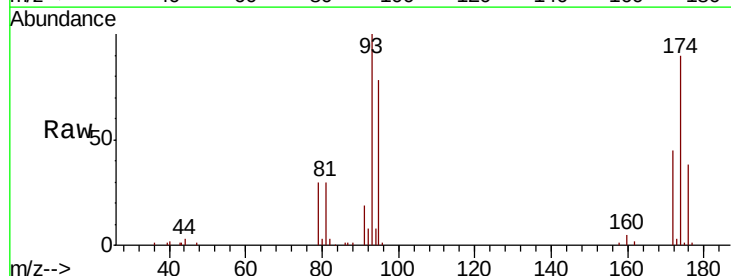
Tgt Ion: 93 Resp: 78829

Ion Ratio Lower Upper

93 100

95 78.0 62.4 93.6

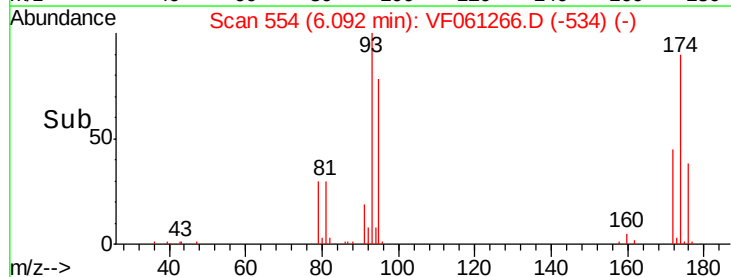
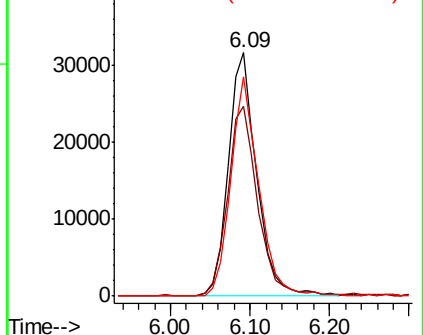
174 89.9 71.9 107.9

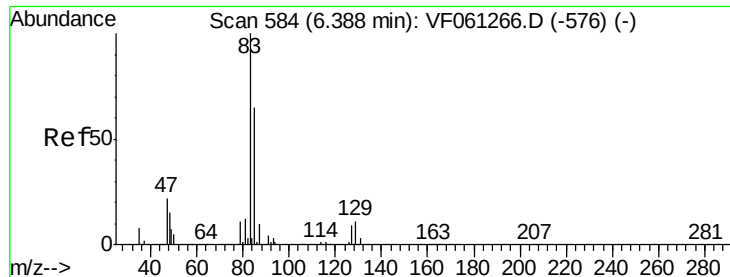


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.181 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

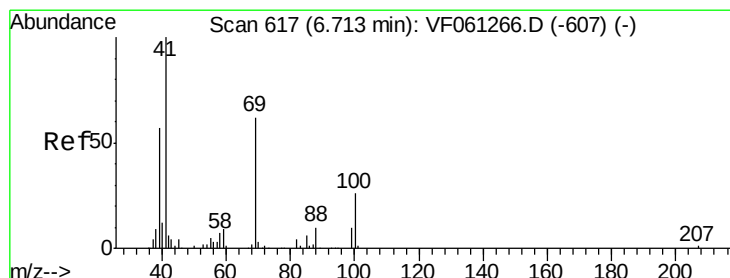
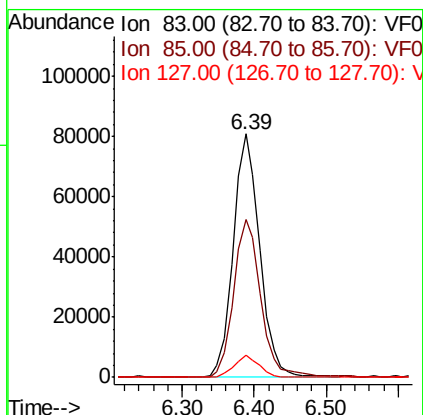
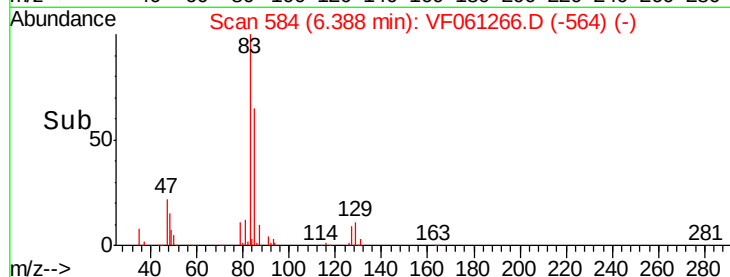
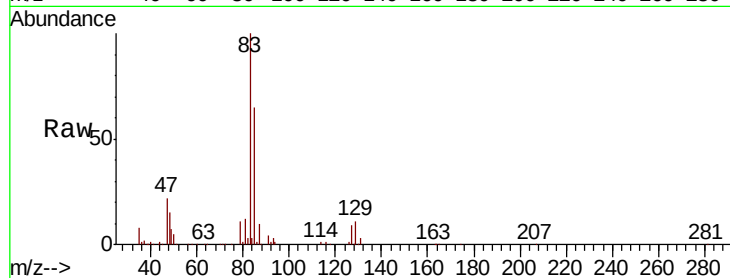
Tgt Ion: 83 Resp: 207396

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

127 8.9 7.1 10.7



#48

Methyl methacrylate

Concen: 50.661 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

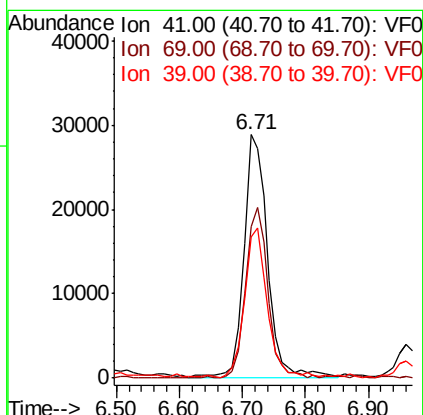
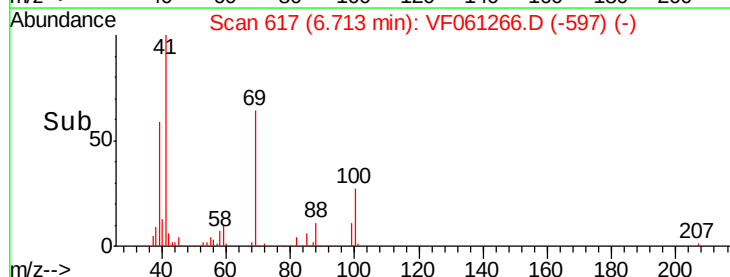
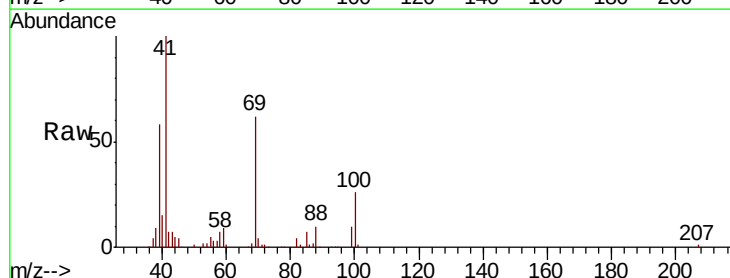
Tgt Ion: 41 Resp: 75764

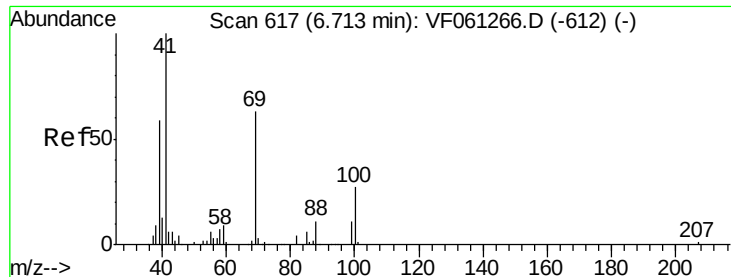
Ion Ratio Lower Upper

41 100

69 62.3 49.8 74.8

39 58.0 46.4 69.6





#49

1,4-Dioxane

Concen: 959.251 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

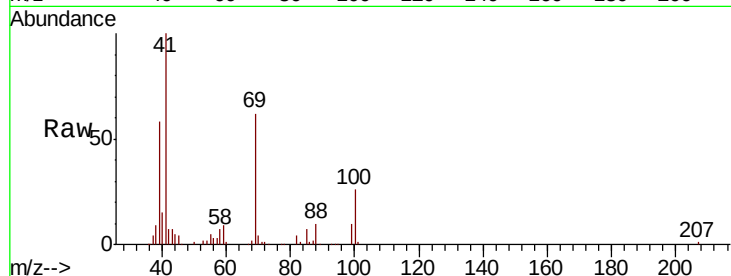
Tgt Ion: 88 Resp: 10227

Ion Ratio Lower Upper

88 100

43 69.0 55.2 82.8

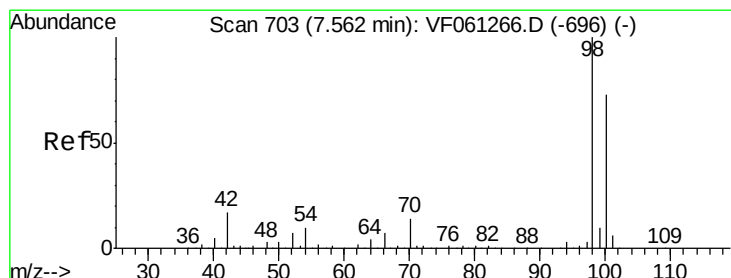
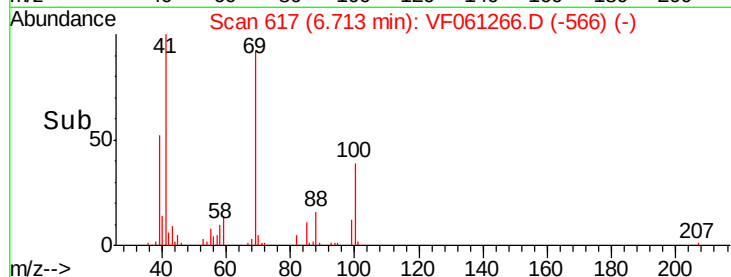
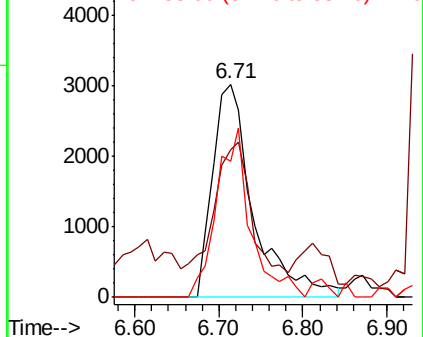
58 63.6 50.9 76.3



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.267 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061266.D

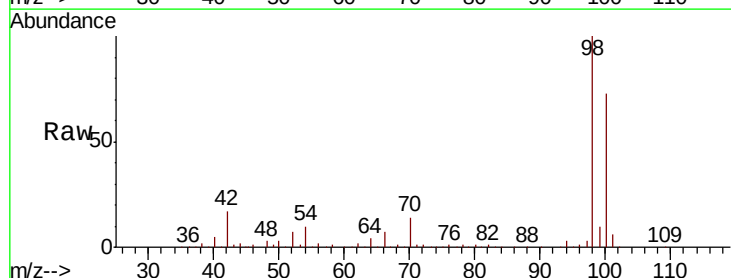
Acq: 3 Jan 2019 15:46

Tgt Ion: 98 Resp: 412462

Ion Ratio Lower Upper

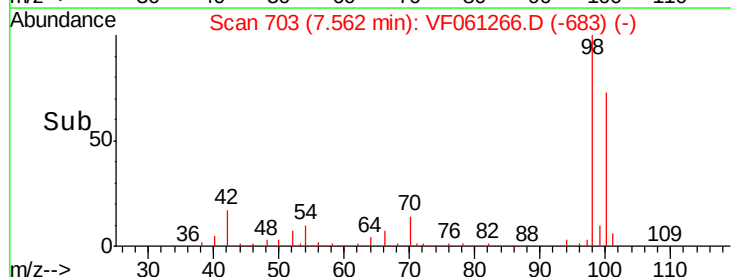
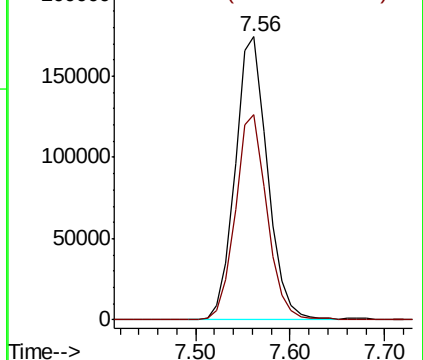
98 100

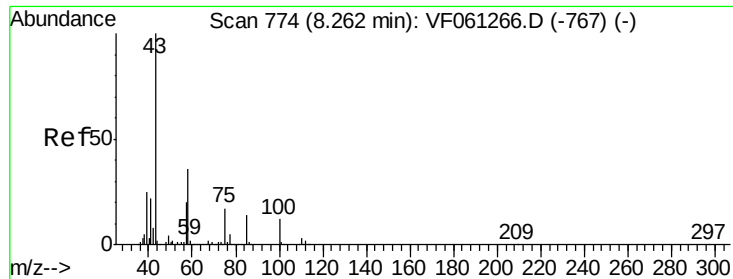
100 72.6 58.1 87.1



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

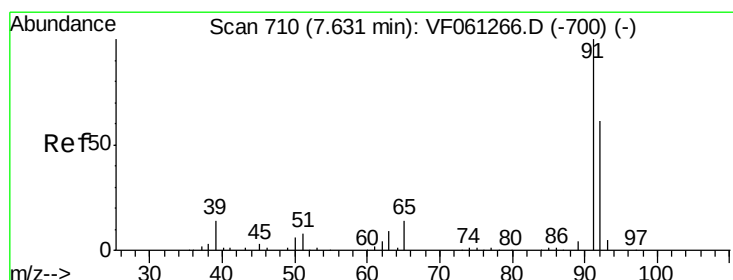
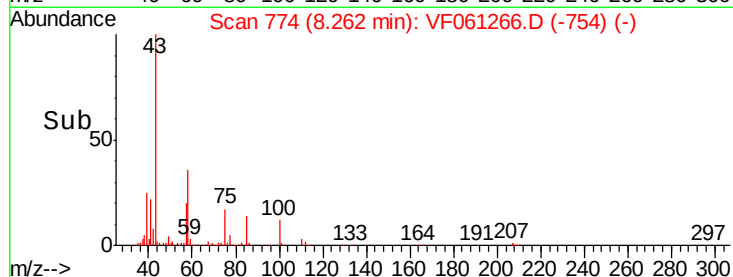
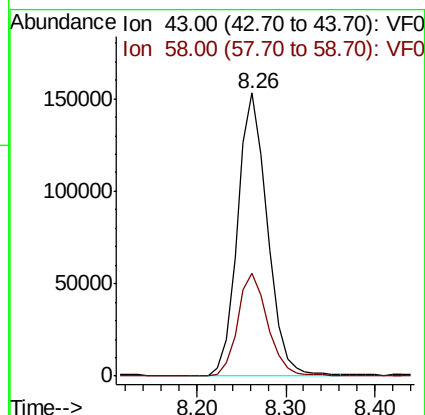
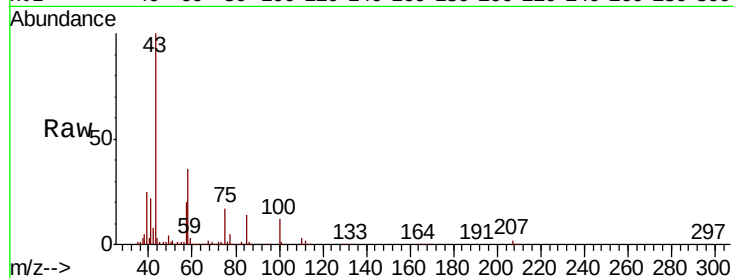




#51
 4-Methyl-2-Pentanone
 Concen: 243.170 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

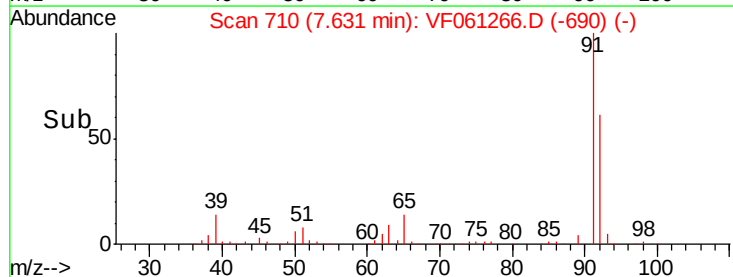
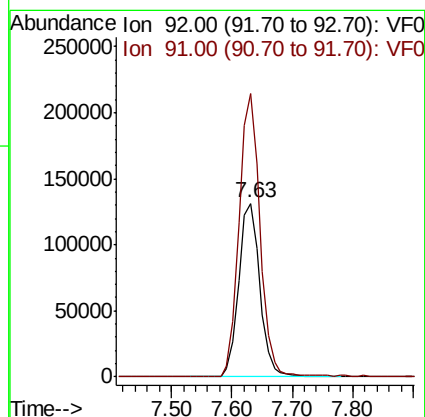
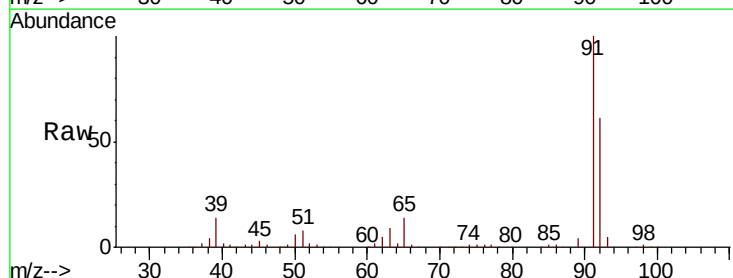
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

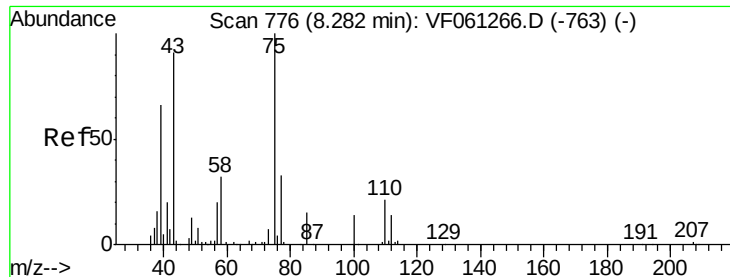
Tgt Ion: 43 Resp: 356435
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.1 43.7



#52
 Toluene
 Concen: 50.307 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 92 Resp: 320110
 Ion Ratio Lower Upper
 92 100
 91 163.1 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 47.163 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

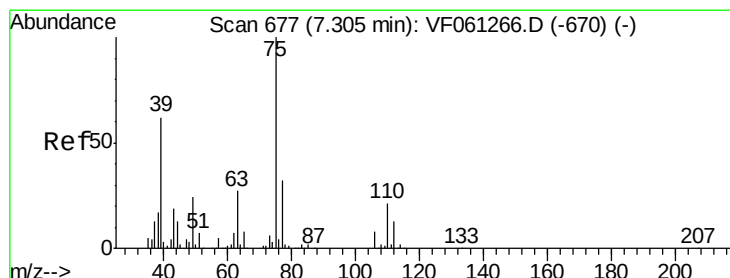
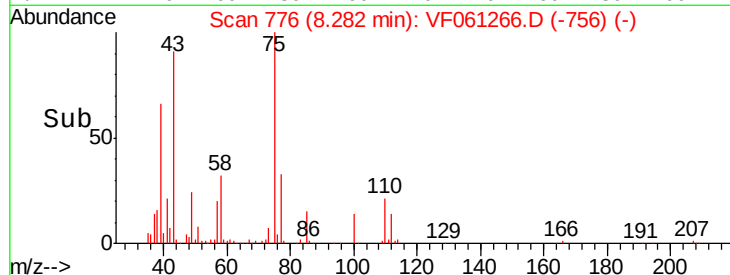
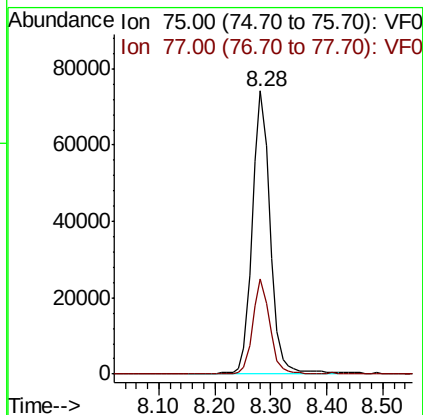
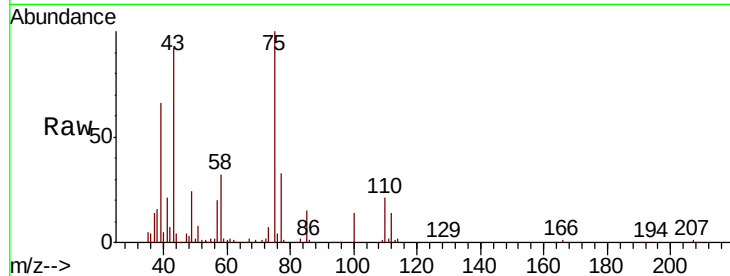
VSTDICCC050

Tgt Ion: 75 Resp: 165456

Ion Ratio Lower Upper

75 100

77 33.5 26.8 40.2



#54

cis-1,3-Dichloropropene

Concen: 47.905 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

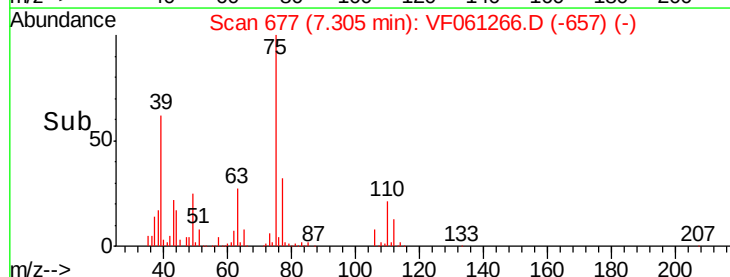
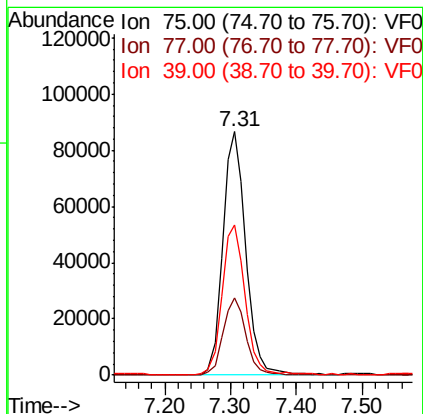
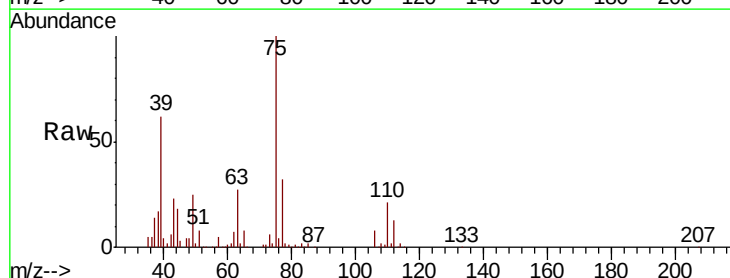
Tgt Ion: 75 Resp: 211283

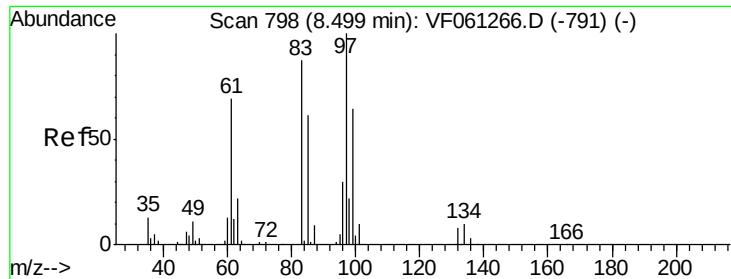
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 61.9 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 46.735 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 88352

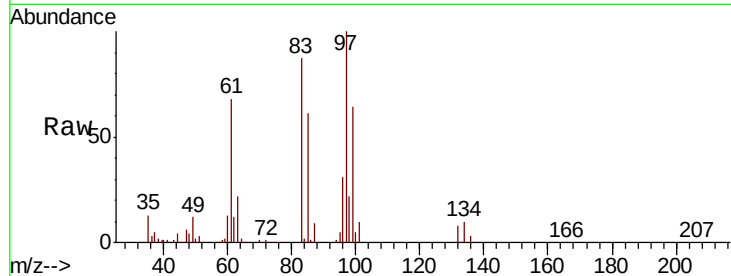
Ion Ratio Lower Upper

97 100

83 87.1 69.7 104.5

85 61.4 49.1 73.7

99 64.1 51.3 76.9

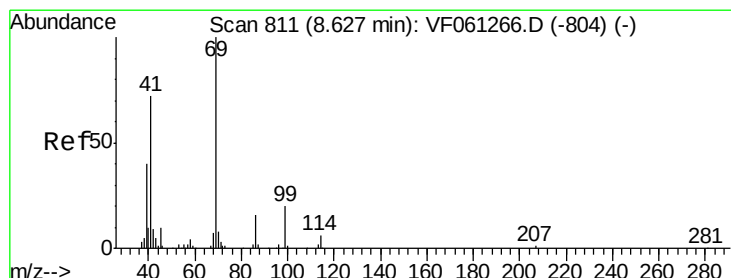
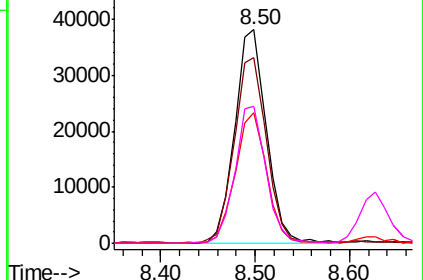
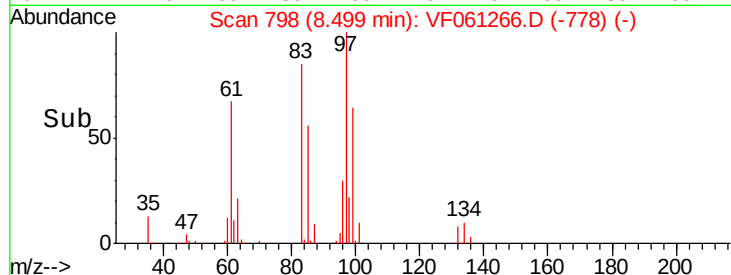


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 49.252 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

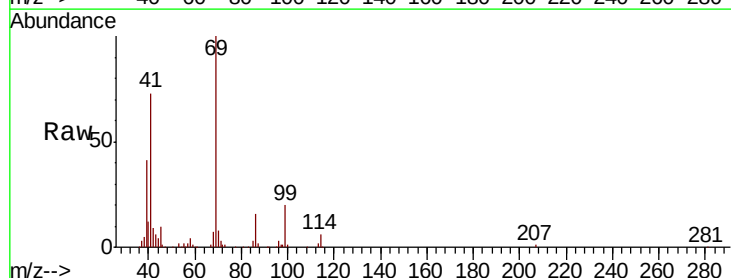
Tgt Ion: 69 Resp: 100556

Ion Ratio Lower Upper

69 100

41 72.6 58.1 87.1

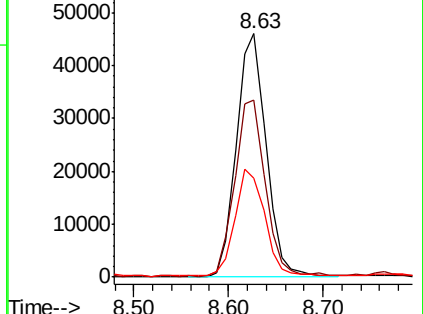
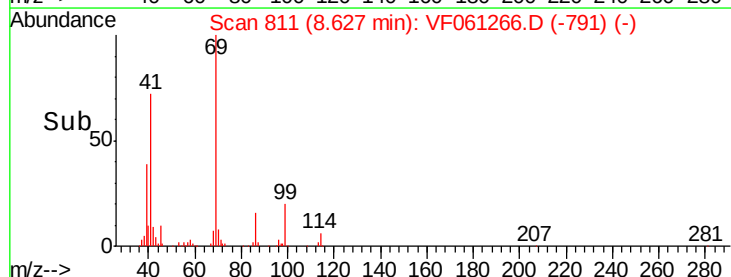
39 40.8 32.6 49.0

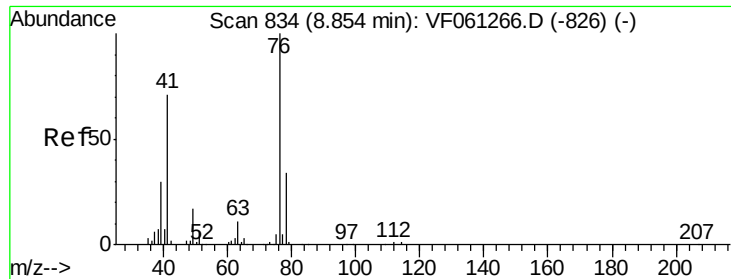


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

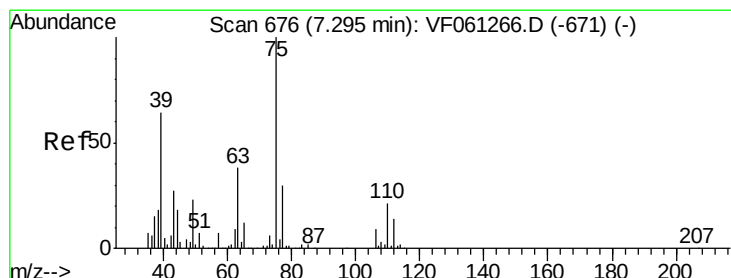
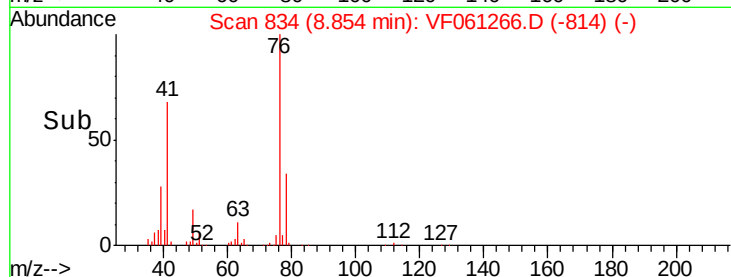
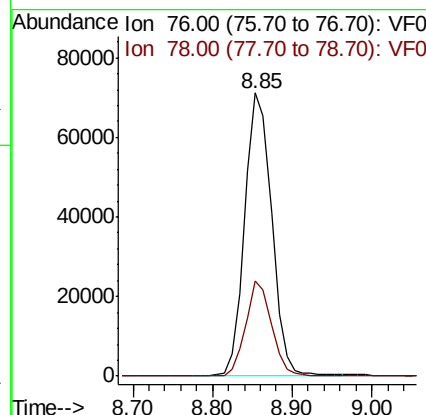
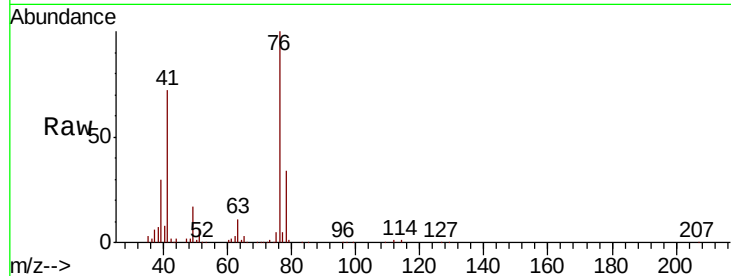




#57
 1,3-Dichloropropane
 Concen: 48.672 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

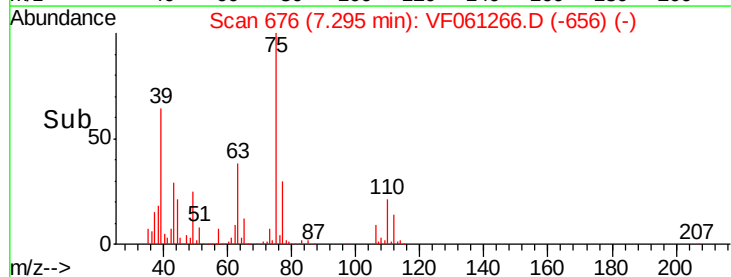
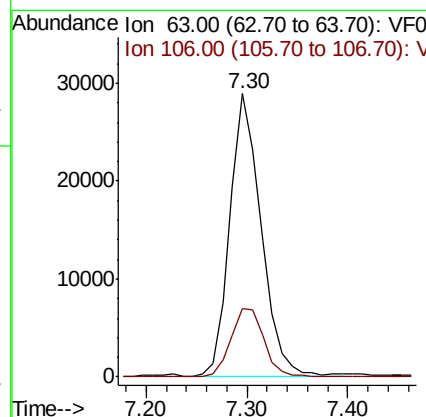
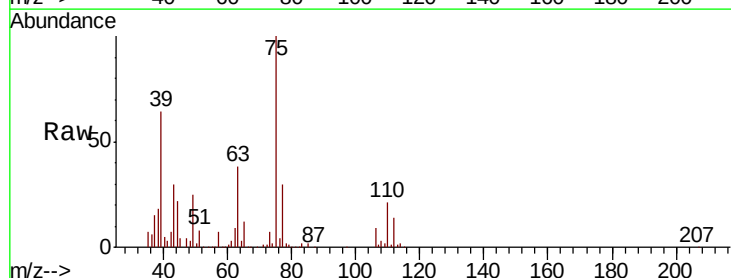
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

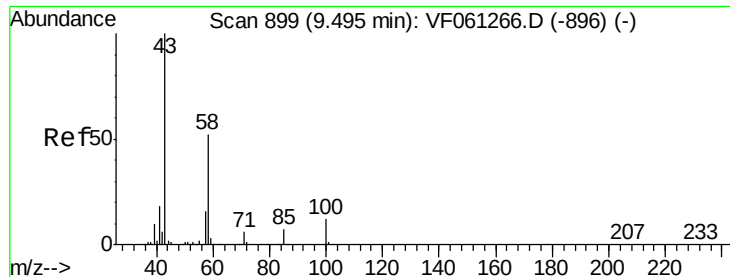
Tgt Ion: 76 Resp: 166816
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 169.353 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 63 Resp: 63030
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.2 28.8

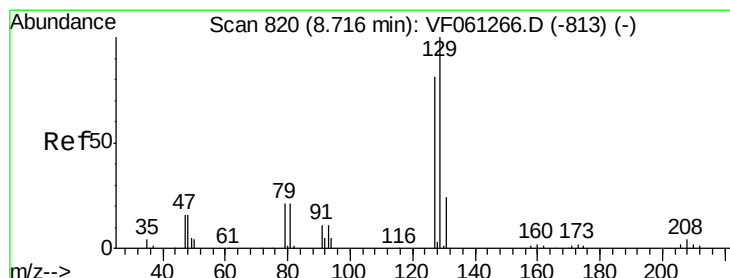
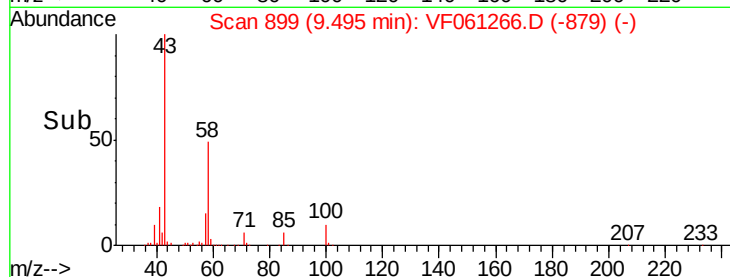
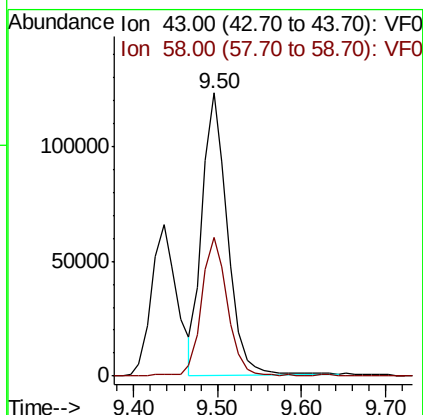
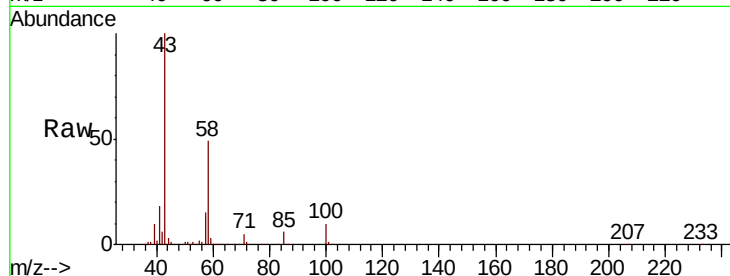




#59
2-Hexanone
Concen: 241.222 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

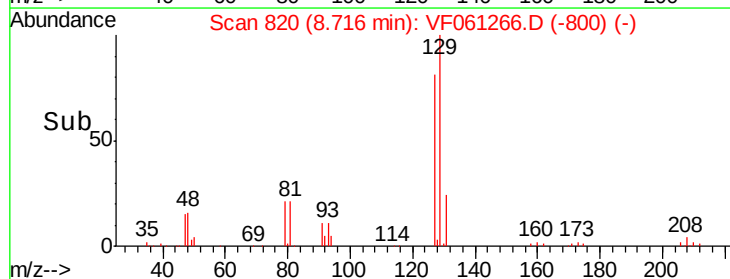
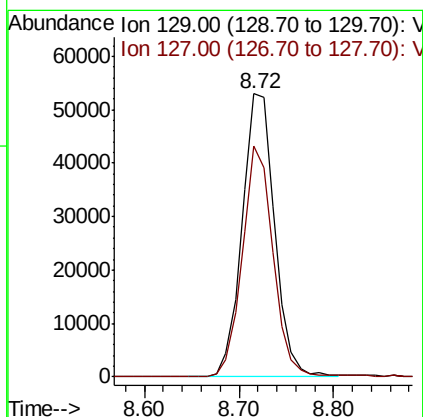
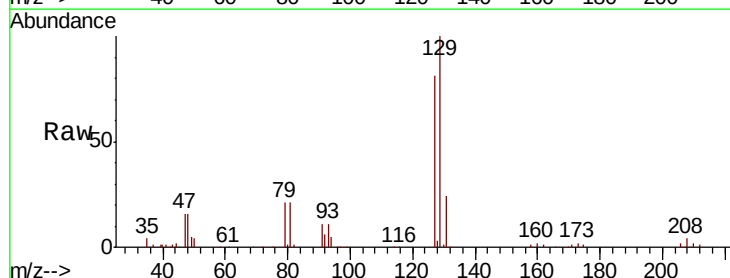
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

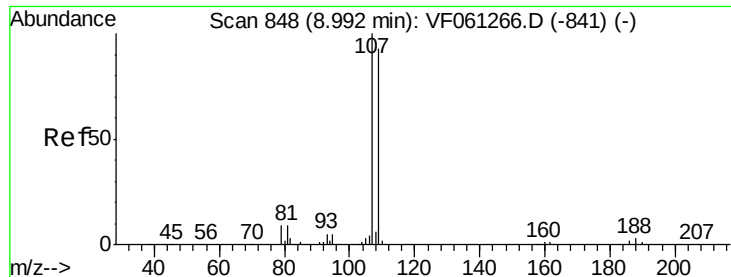
Tgt Ion: 43 Resp: 254183
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4



#60
Dibromochloromethane
Concen: 47.300 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 129 Resp: 126223
Ion Ratio Lower Upper
129 100
127 81.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 48.731 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

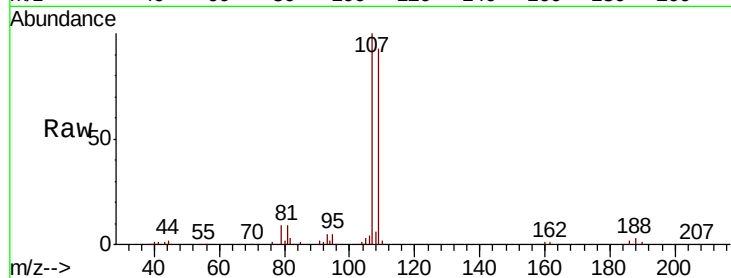
VSTDICCC050

Tgt Ion: 107 Resp: 97984

Ion Ratio Lower Upper

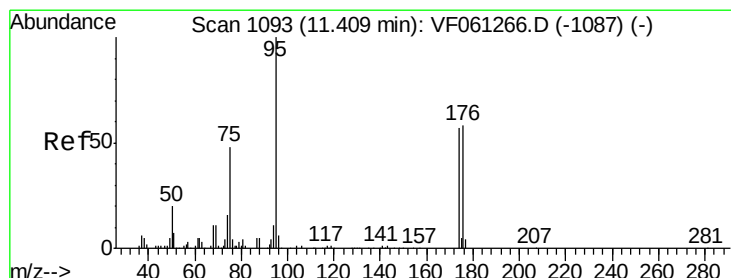
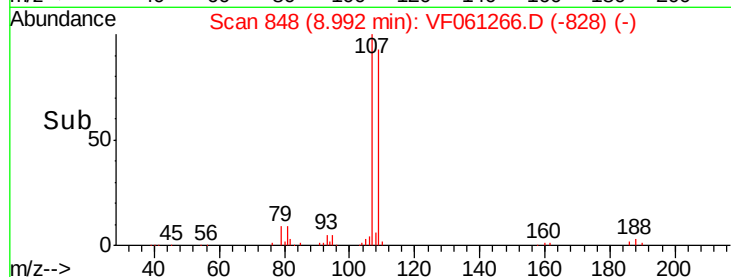
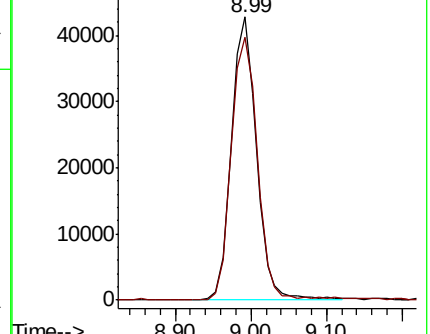
107 100

109 92.8 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.944 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

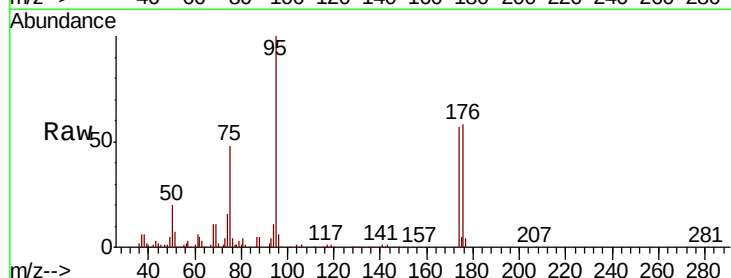
Tgt Ion: 95 Resp: 176355

Ion Ratio Lower Upper

95 100

174 56.6 0.0 113.2

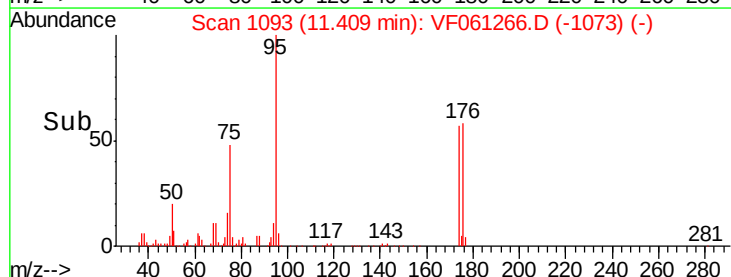
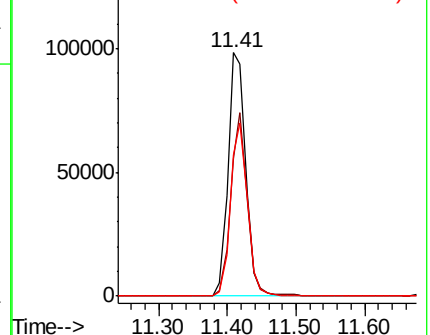
176 57.8 0.0 115.6

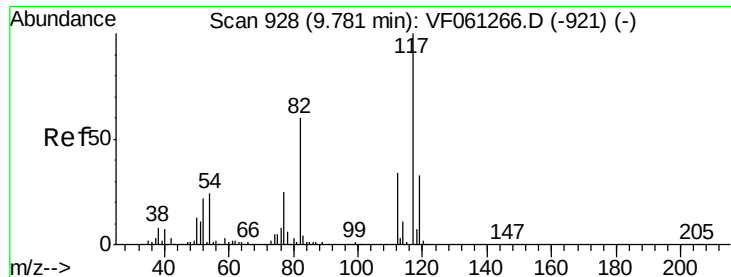


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

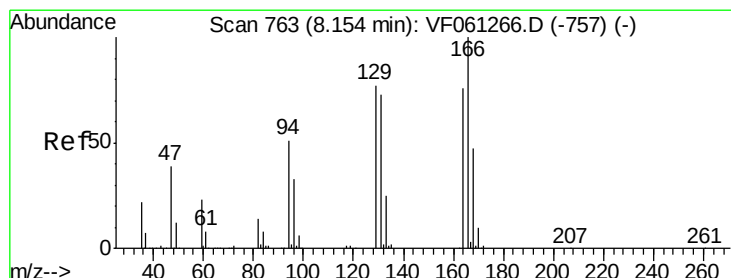
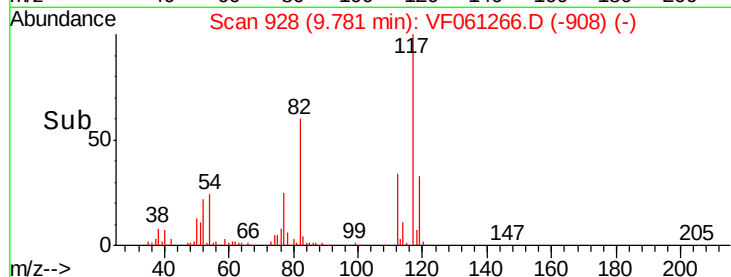
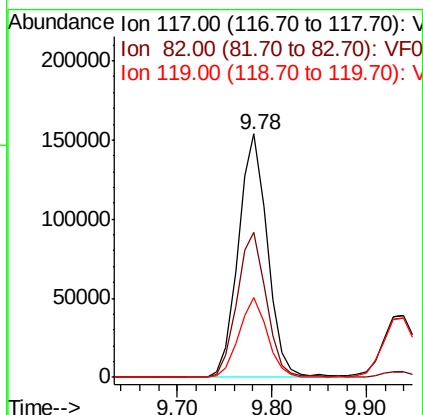
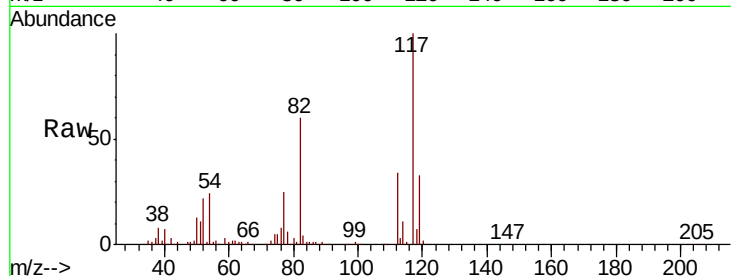




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

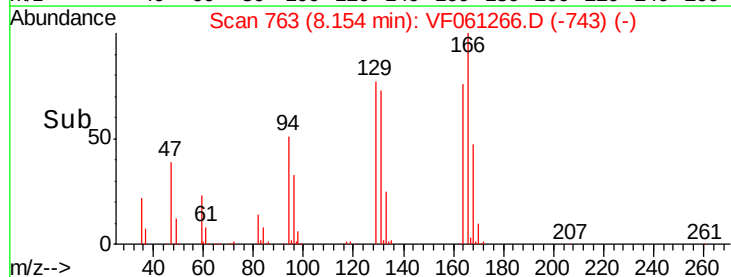
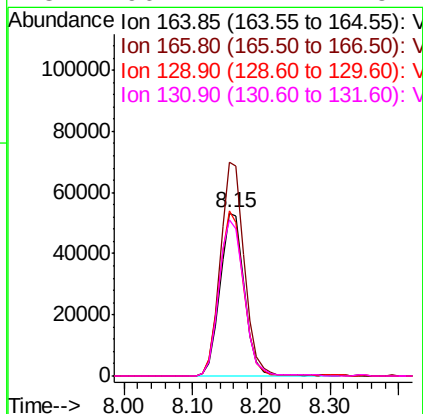
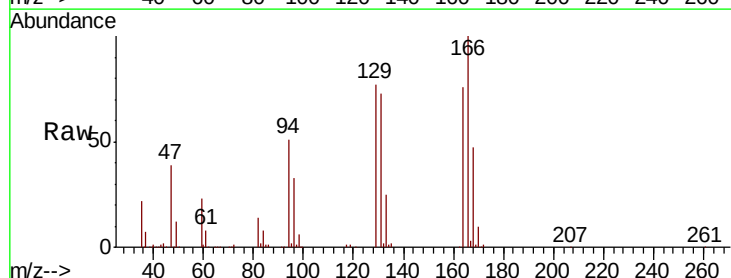
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

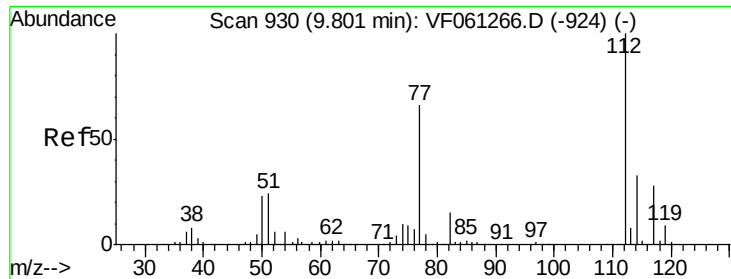
Tgt Ion:117 Resp: 328875
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 32.6 26.1 39.1



#64
Tetrachloroethene
Concen: 50.649 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion:164 Resp: 129411
Ion Ratio Lower Upper
164 100
166 131.4 105.1 157.7
129 101.3 81.0 121.6
131 96.4 77.1 115.7

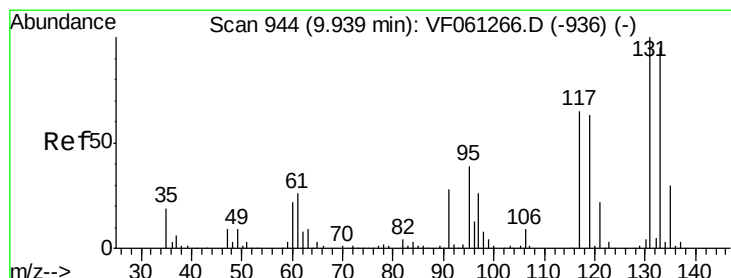
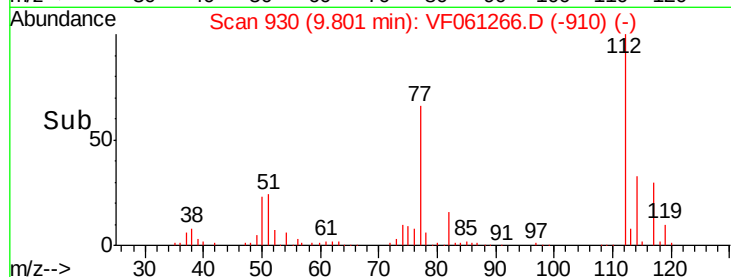
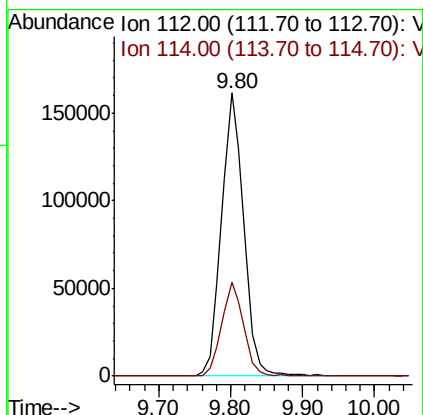
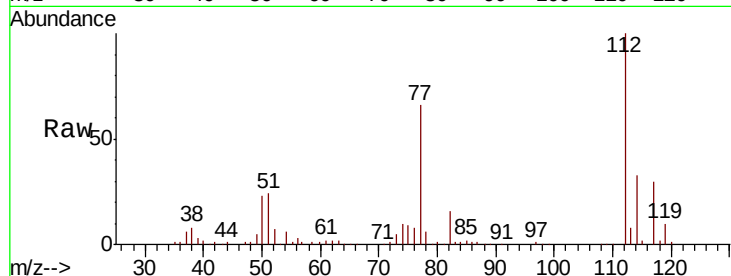




#65
Chlorobenzene
Concen: 50.335 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

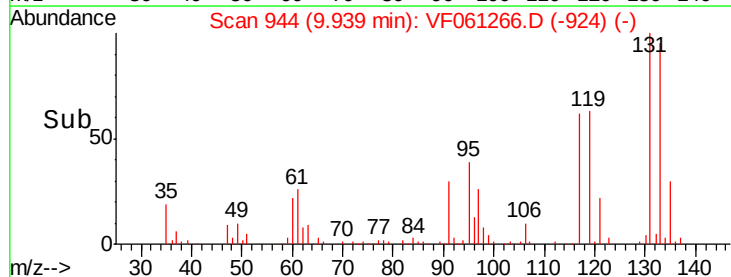
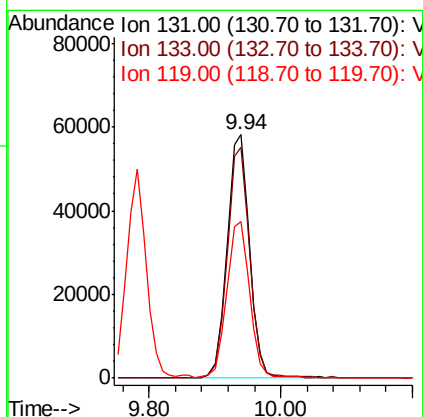
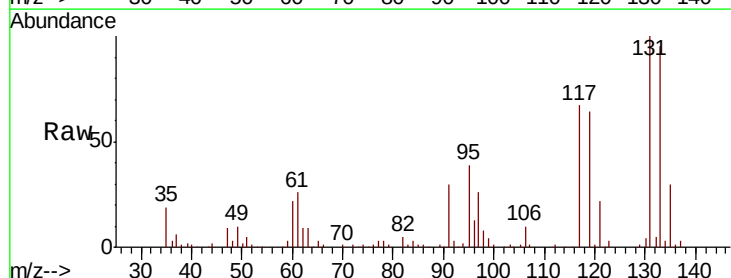
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

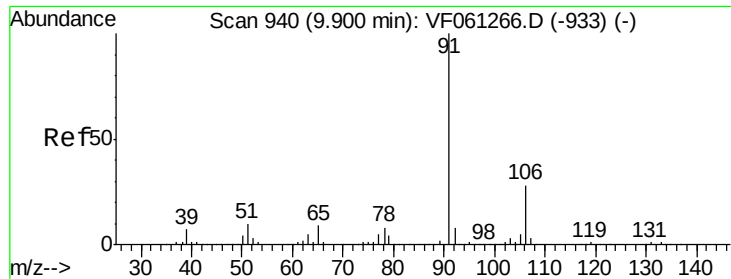
Tgt Ion:112 Resp: 345909
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.362 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion:131 Resp: 138678
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 64.4 32.2 96.6

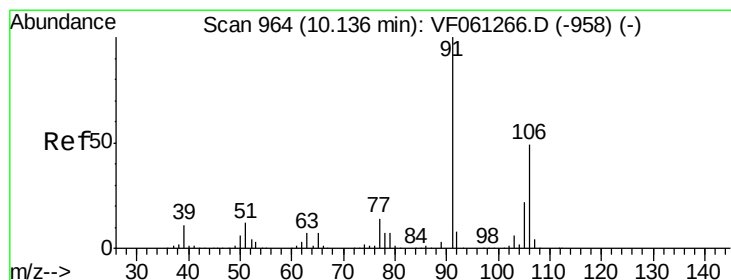
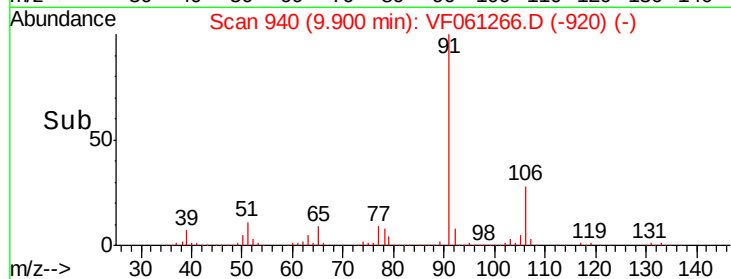
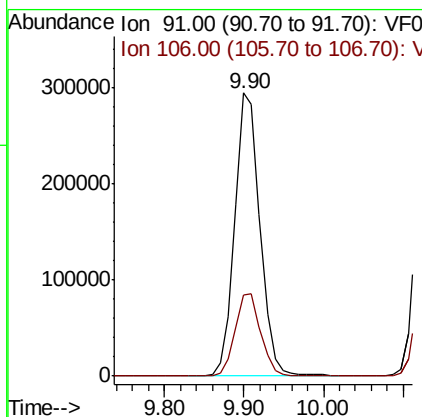
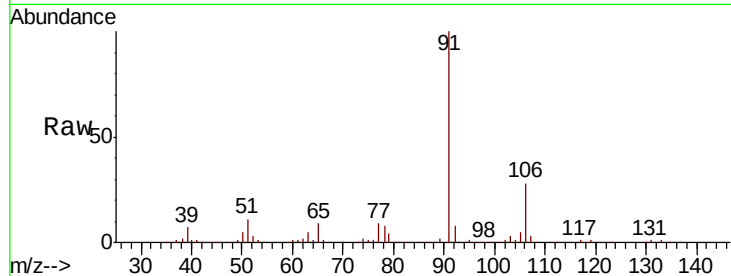




#67
Ethyl Benzene
Concen: 51.748 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

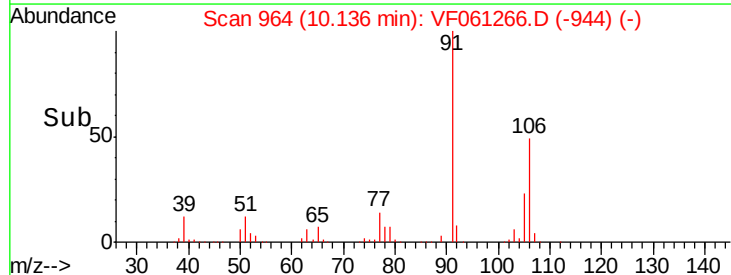
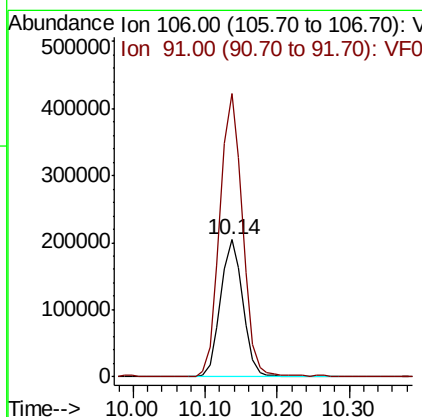
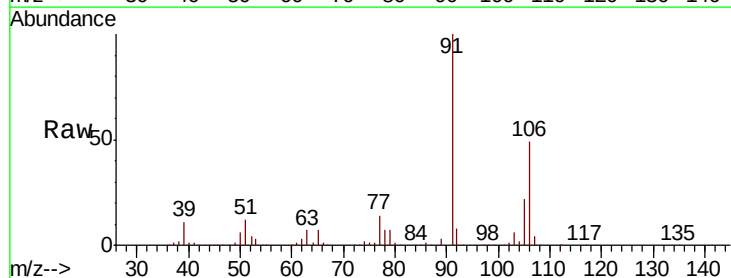
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

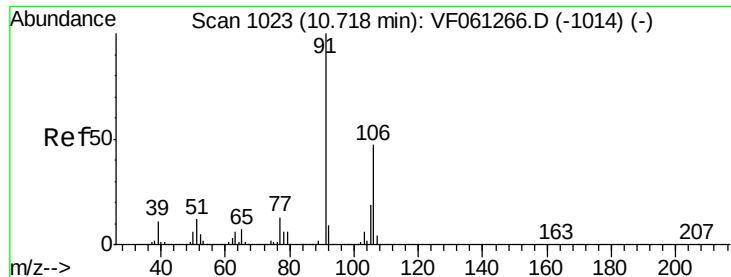
Tgt Ion: 91 Resp: 651453
Ion Ratio Lower Upper
91 100
106 28.5 22.8 34.2



#68
m/p-Xylenes
Concen: 99.775 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 106 Resp: 439098
Ion Ratio Lower Upper
106 100
91 206.0 164.8 247.2

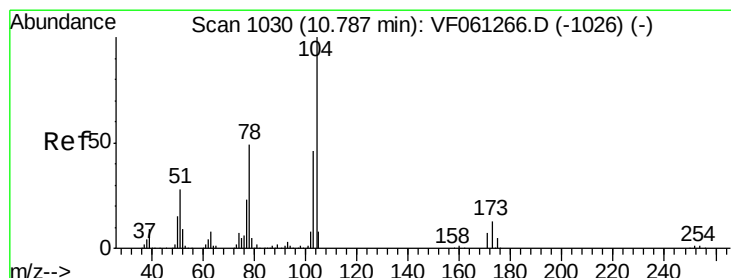
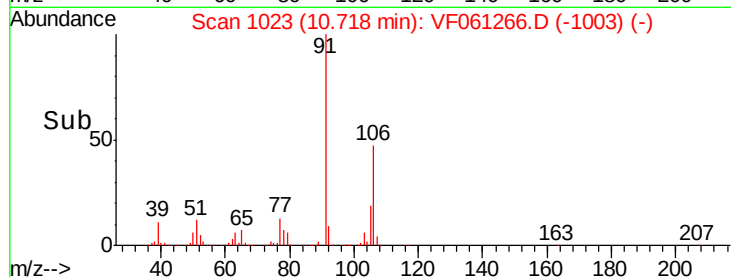
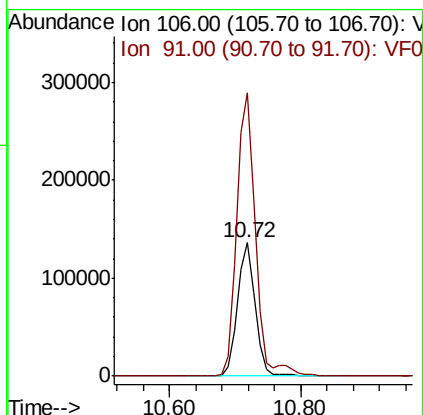
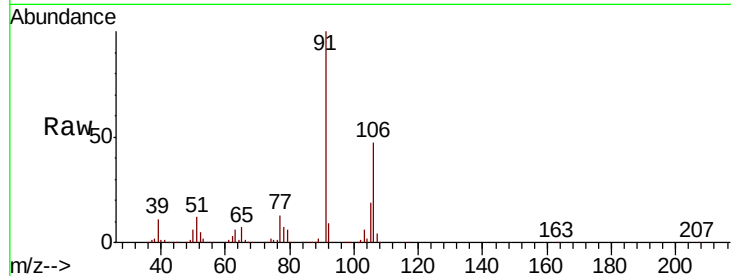




#69
o-Xylene
Concen: 52.273 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

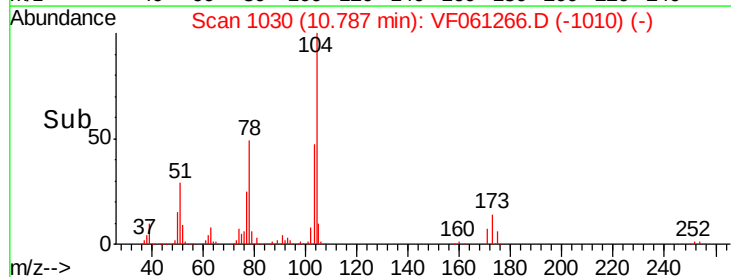
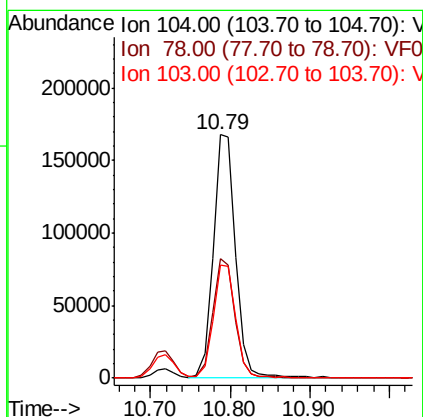
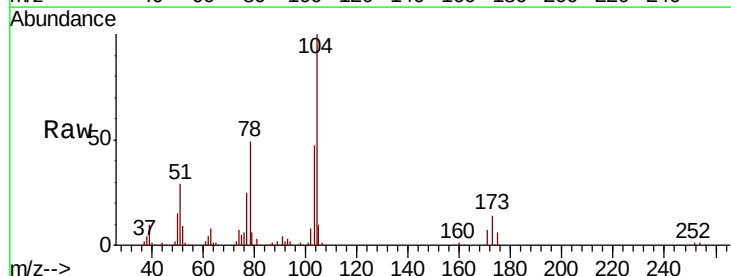
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

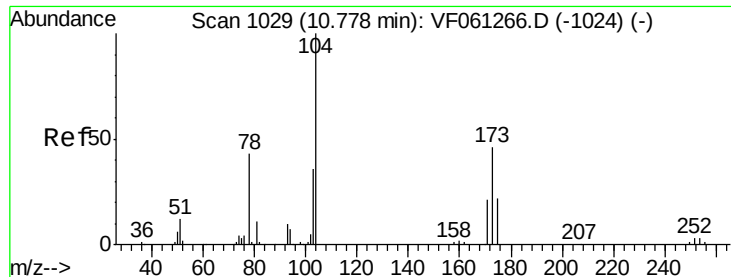
Tgt Ion:106 Resp: 257441
Ion Ratio Lower Upper
106 100
91 212.3 106.2 318.5



#70
Styrene
Concen: 48.608 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion:104 Resp: 330901
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 46.6 37.3 55.9





#71

Bromoform

Concen: 49.396 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

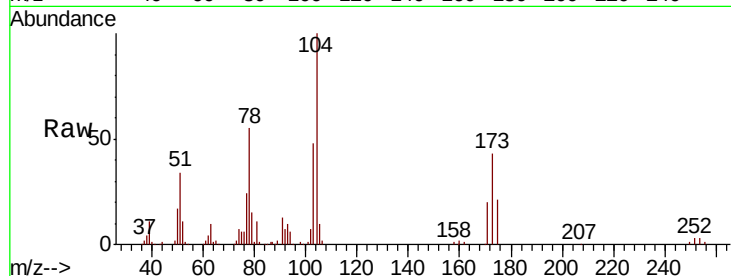
Tgt Ion:173 Resp: 63926

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.6

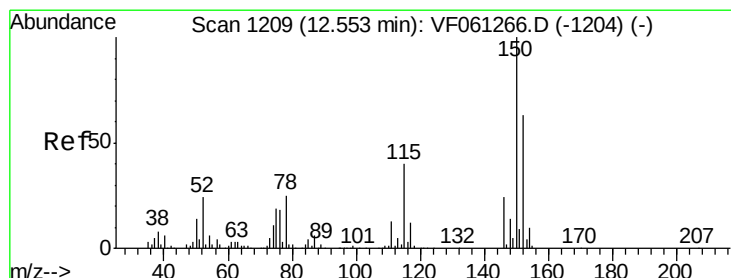
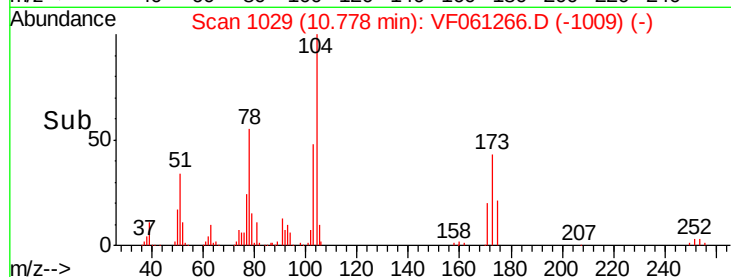
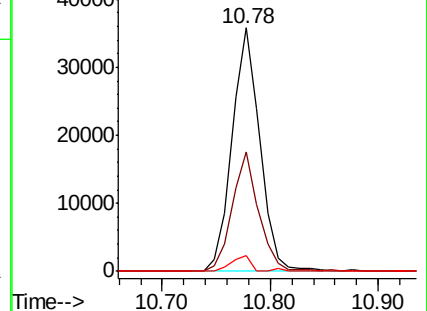
254 6.6 5.3 7.9



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

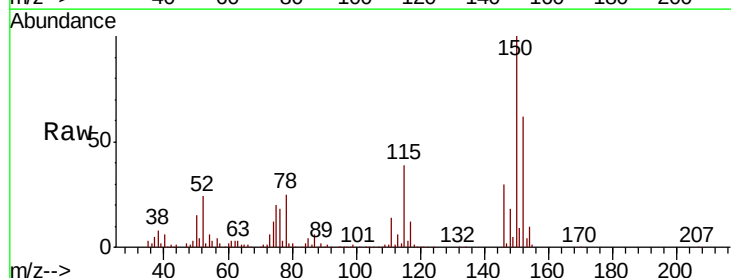
Tgt Ion:152 Resp: 162479

Ion Ratio Lower Upper

152 100

115 63.1 31.6 94.7

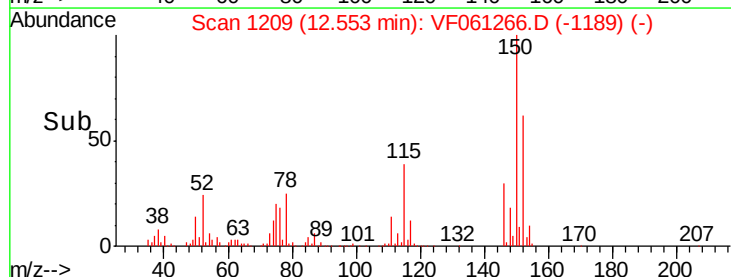
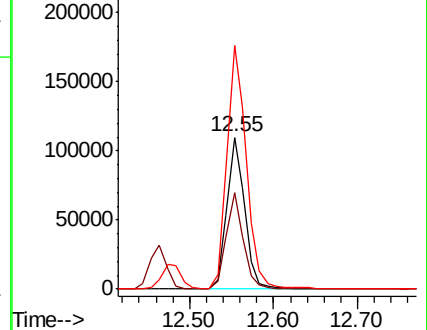
150 160.1 0.0 320.2

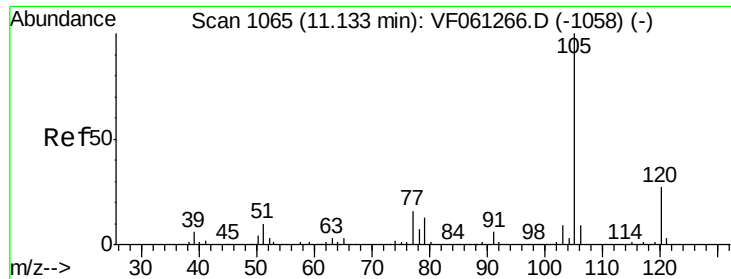


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.383 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

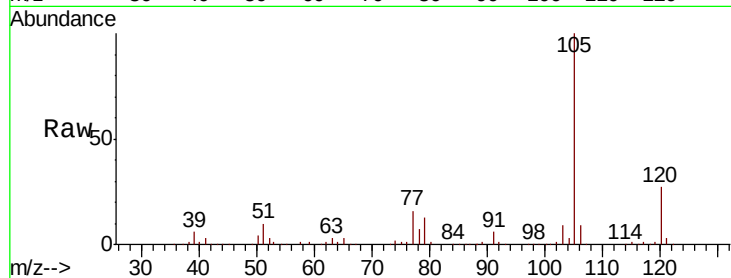
VSTDICCC050

Tgt Ion:105 Resp: 720057

Ion Ratio Lower Upper

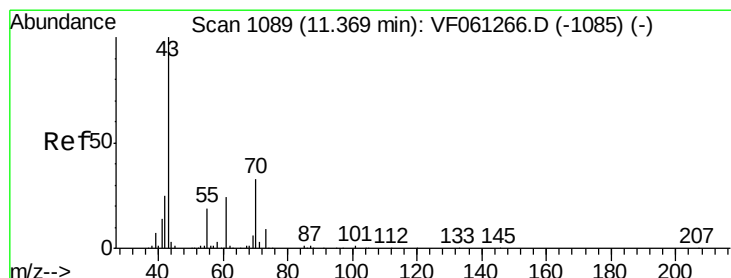
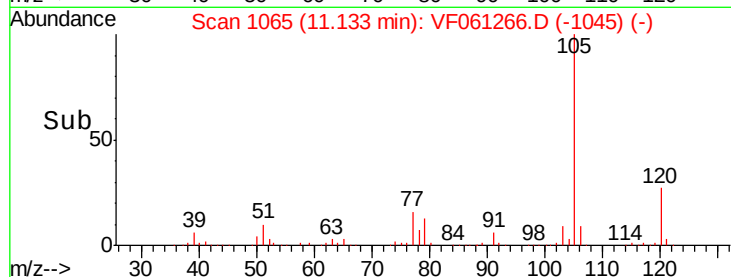
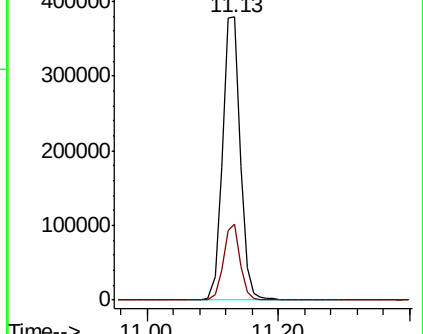
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.919 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion: 43 Resp: 162512

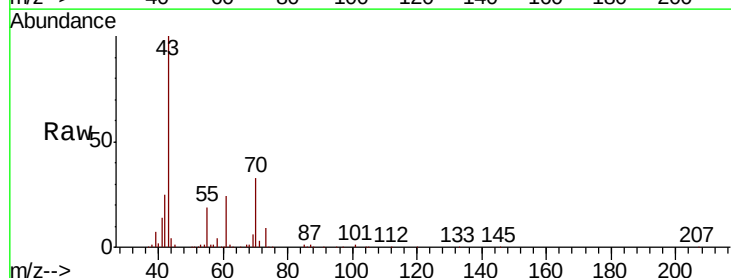
Ion Ratio Lower Upper

43 100

70 33.4 26.7 40.1

55 19.2 15.4 23.0

61 24.2 19.4 29.0

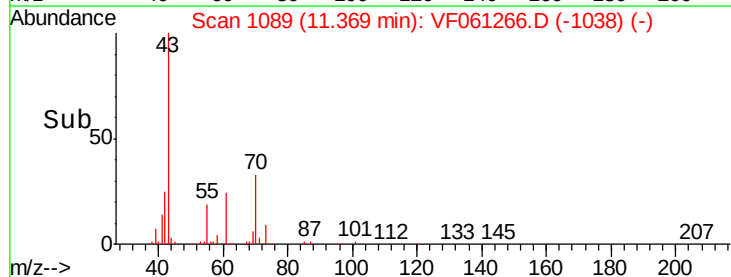
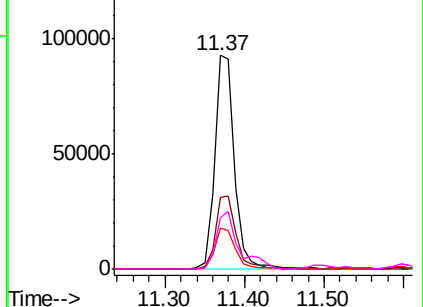


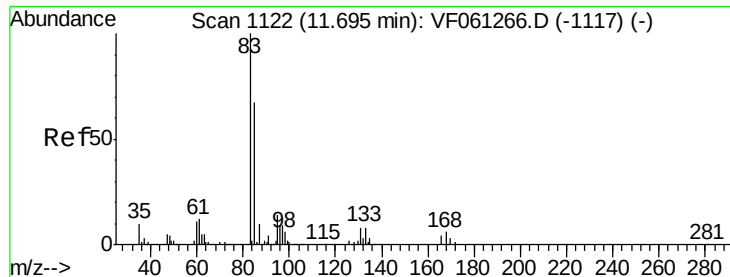
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.649 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

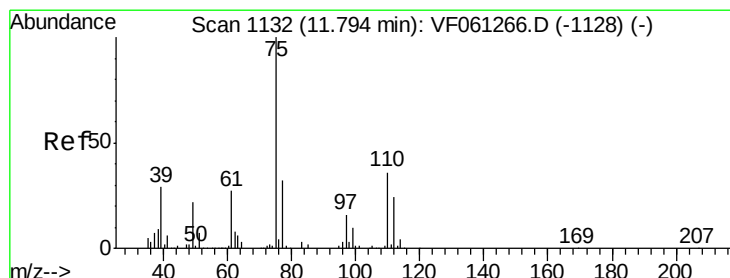
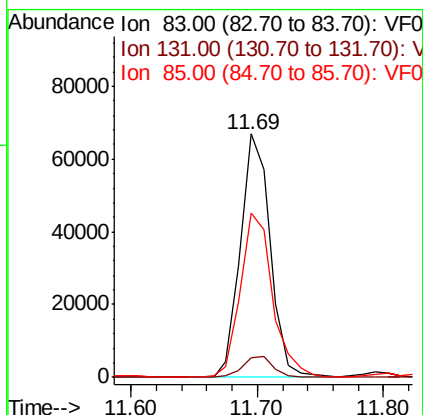
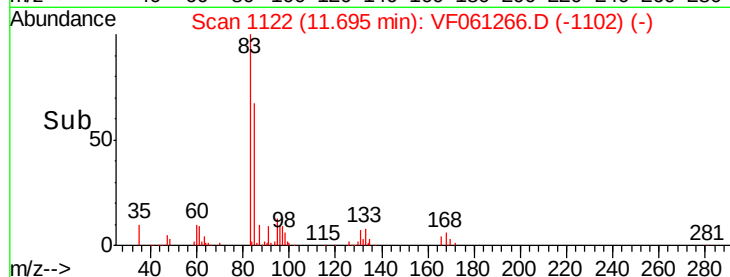
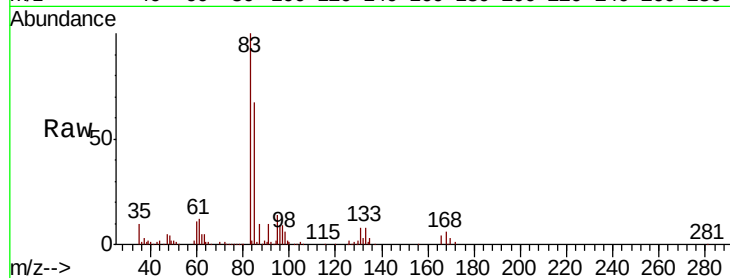
Tgt Ion: 83 Resp: 109585

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.0

85 67.2 33.6 100.8



#76

1,2,3-Trichloropropane

Concen: 47.994 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061266.D

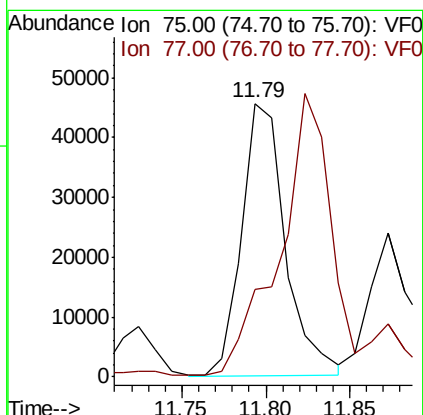
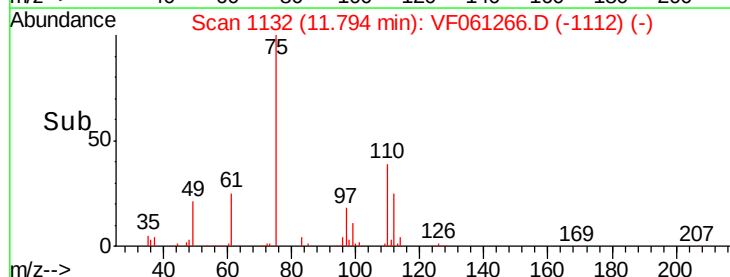
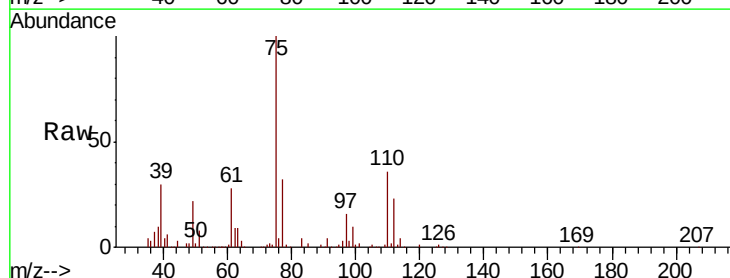
Acq: 3 Jan 2019 15:46

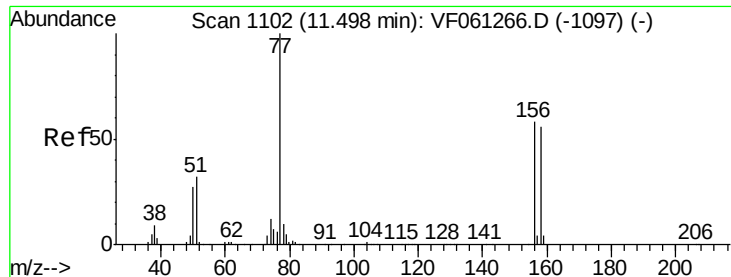
Tgt Ion: 75 Resp: 82207

Ion Ratio Lower Upper

75 100

77 31.8 15.9 47.7





#77

Bromobenzene

Concen: 49.327 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

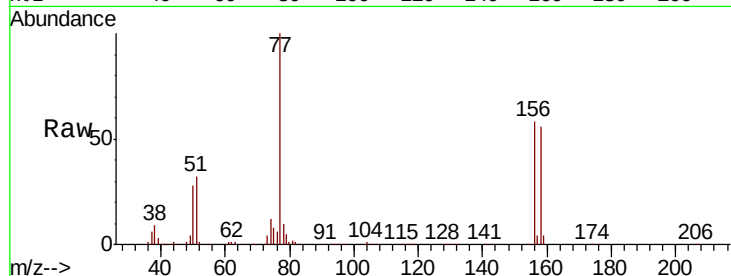
Tgt Ion:156 Resp: 147913

Ion Ratio Lower Upper

156 100

77 171.5 85.8 257.3

158 95.2 47.6 142.8

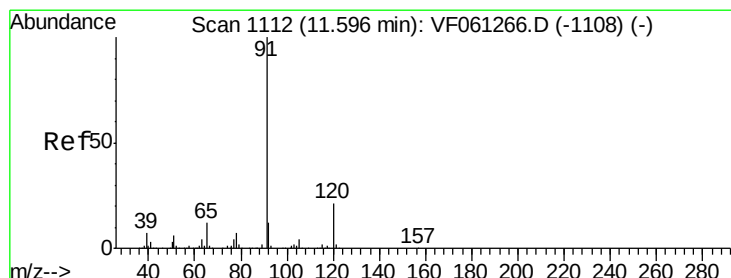
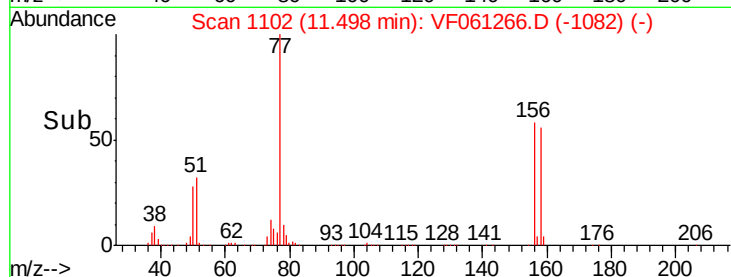
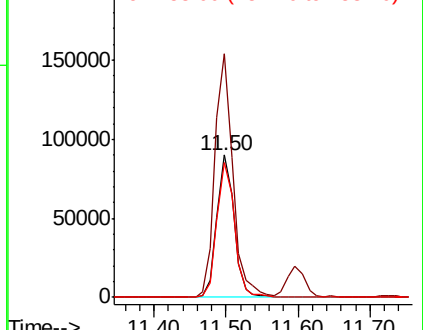


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.797 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF061266.D

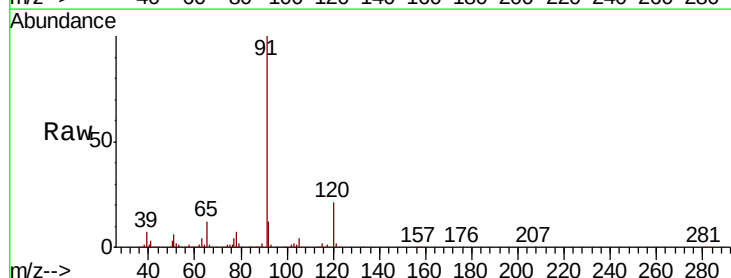
Acq: 3 Jan 2019 15:46

Tgt Ion: 91 Resp: 803568

Ion Ratio Lower Upper

91 100

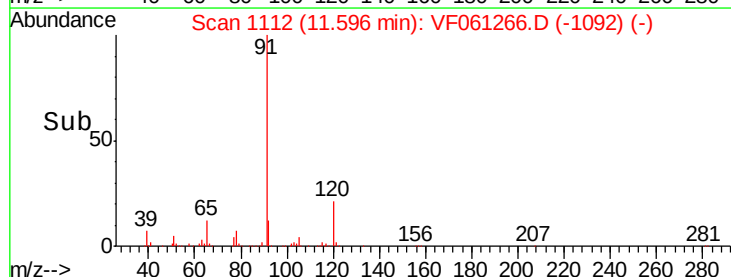
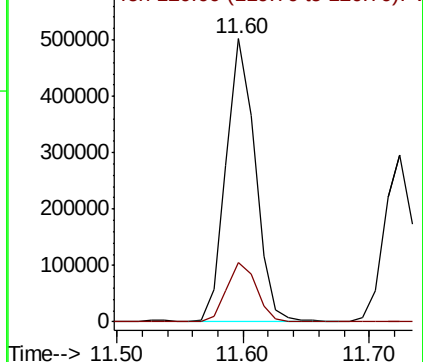
120 21.2 10.6 31.8

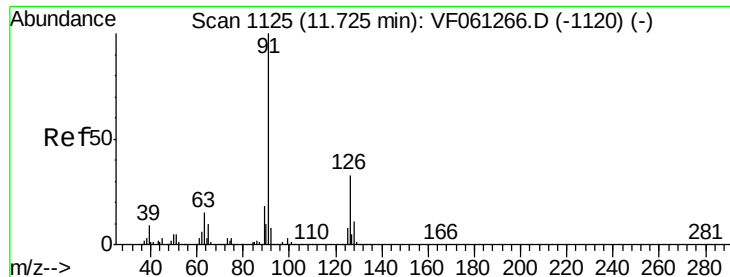


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

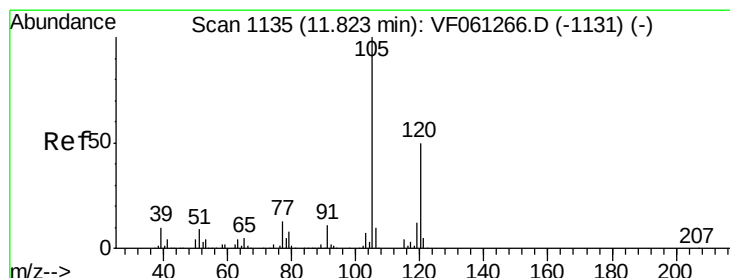
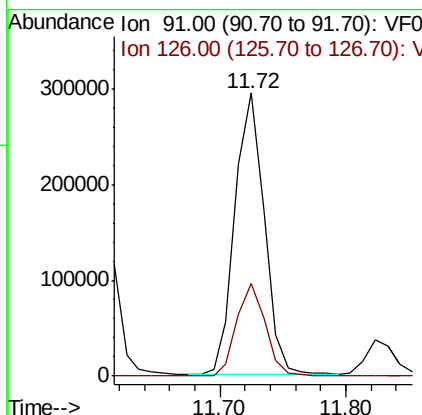
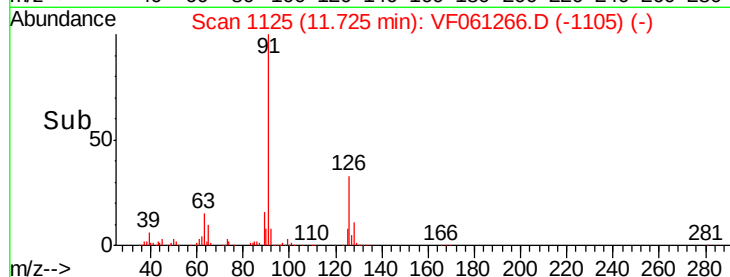
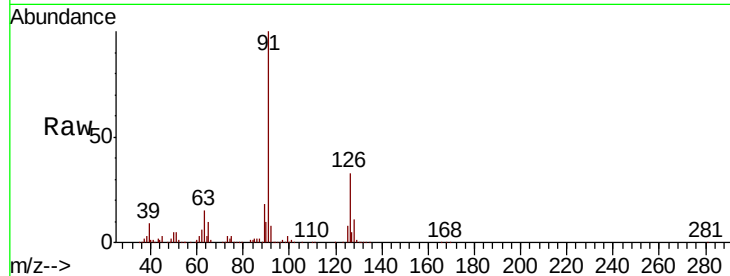




#79
 2-Chlorotoluene
 Concen: 49.274 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

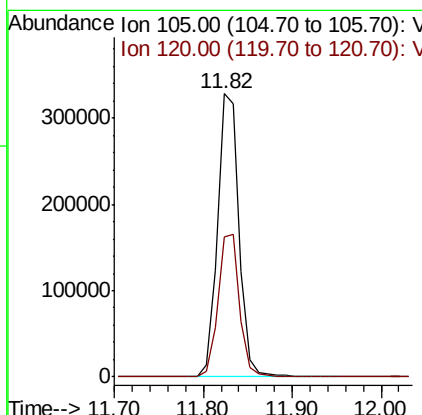
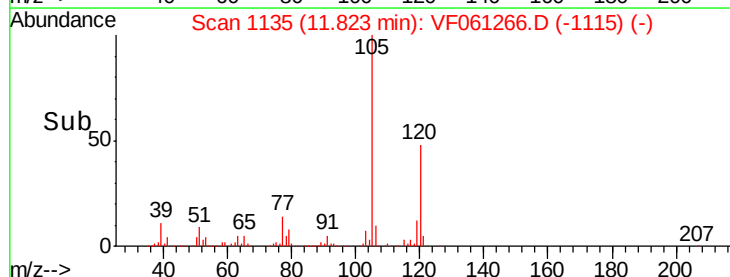
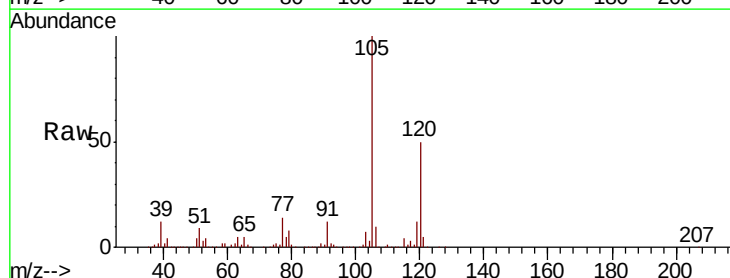
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

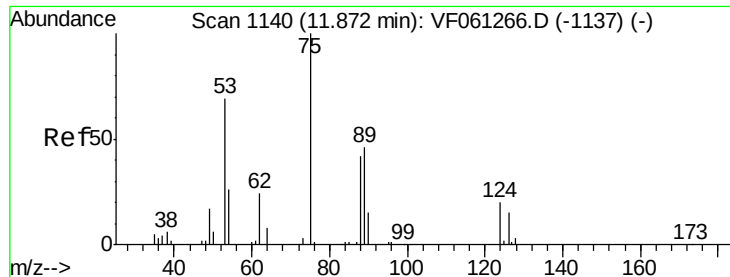
Tgt Ion: 91 Resp: 471213
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.542 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 105 Resp: 556012
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 70.344 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

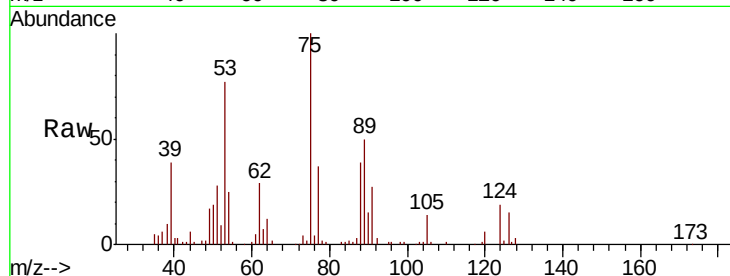
Tgt Ion: 75 Resp: 52607

Ion Ratio Lower Upper

75 100

53 77.1 61.7 92.5

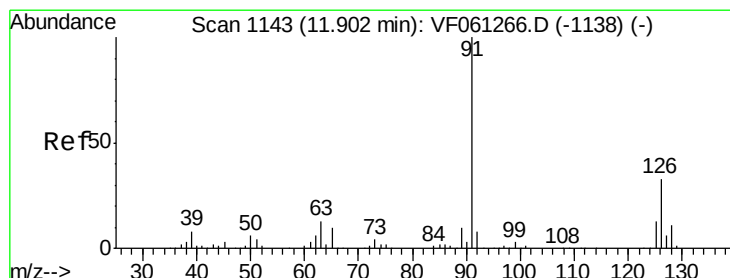
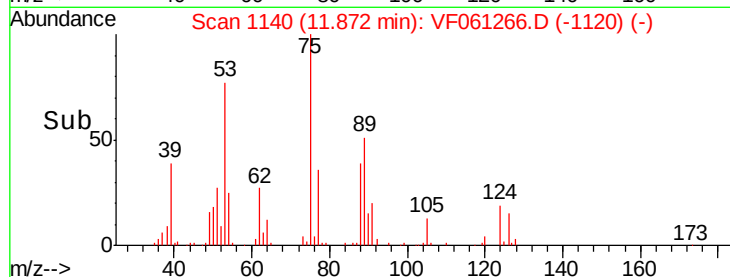
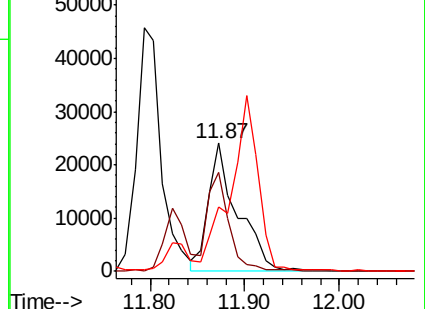
89 50.4 40.3 60.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 48.406 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF061266.D

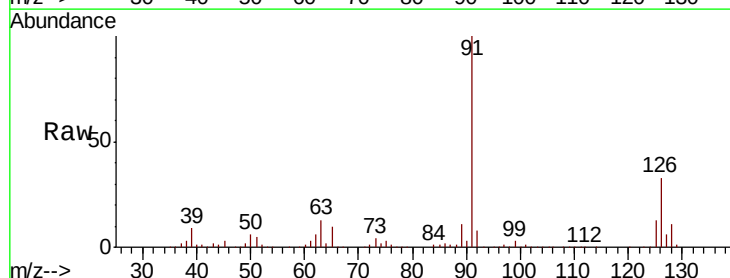
Acq: 3 Jan 2019 15:46

Tgt Ion: 91 Resp: 481063

Ion Ratio Lower Upper

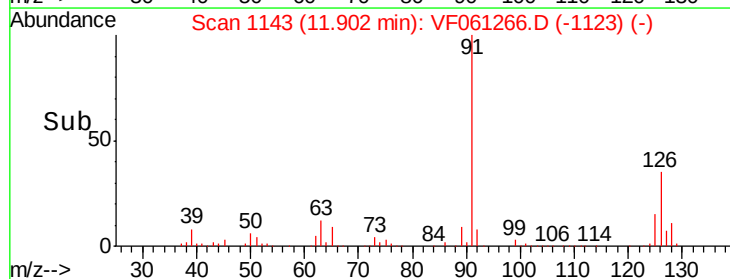
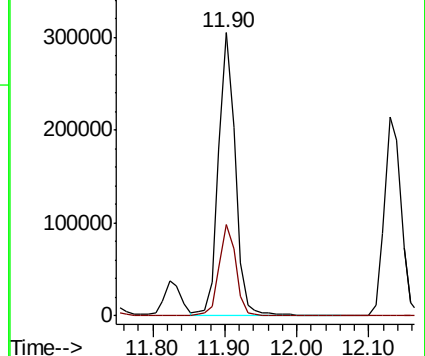
91 100

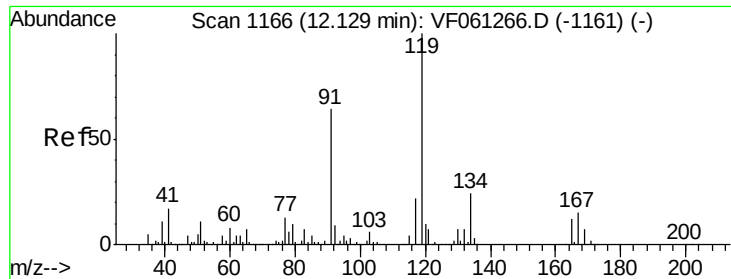
126 32.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

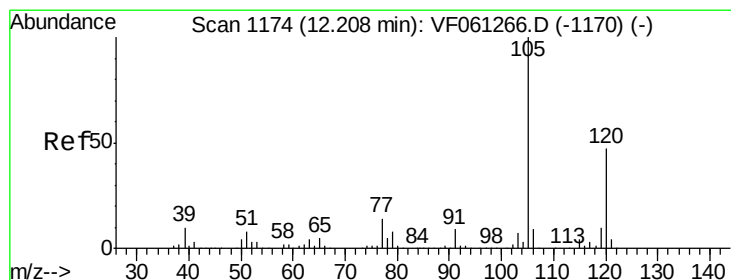
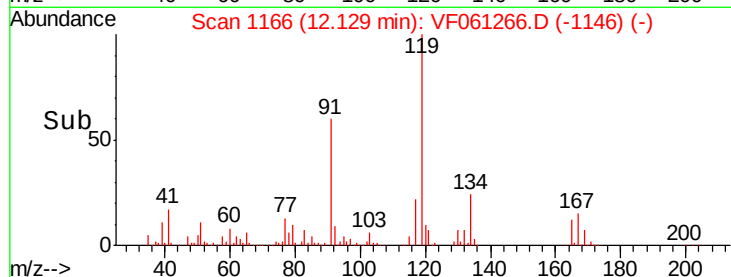
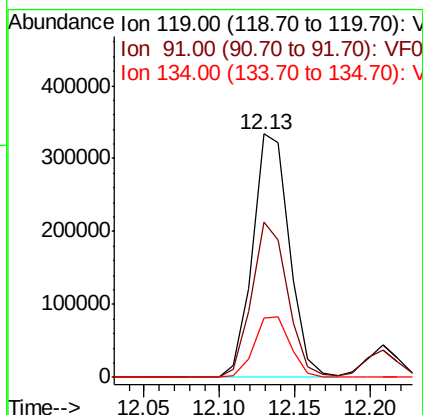
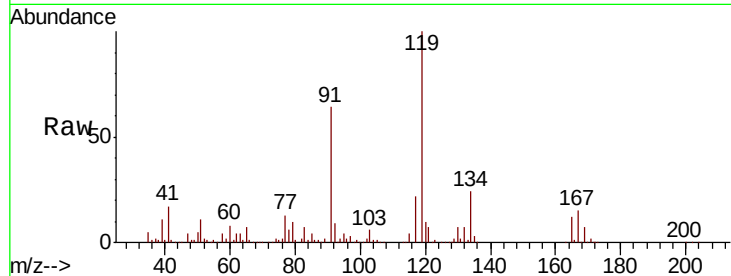




#83
 tert-Butylbenzene
 Concen: 48.275 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

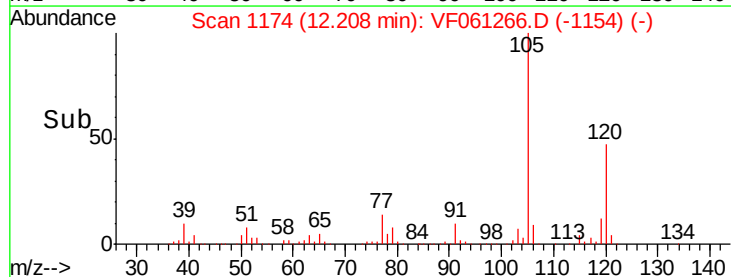
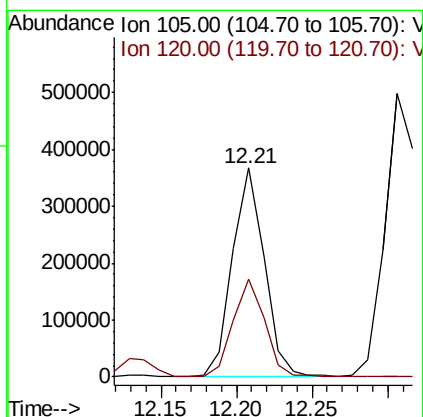
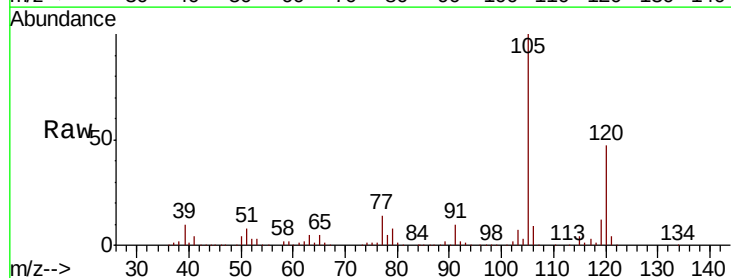
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

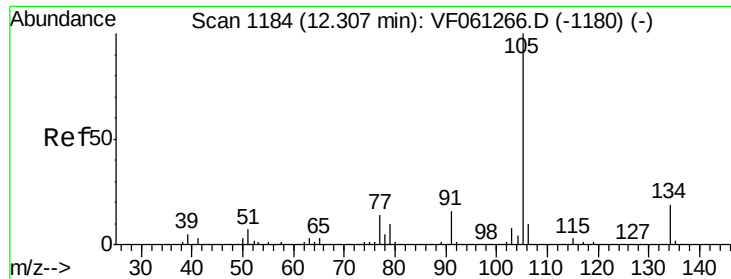
Tgt Ion:119 Resp: 568523
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.0 96.0
 134 24.2 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 47.244 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion:105 Resp: 539720
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9

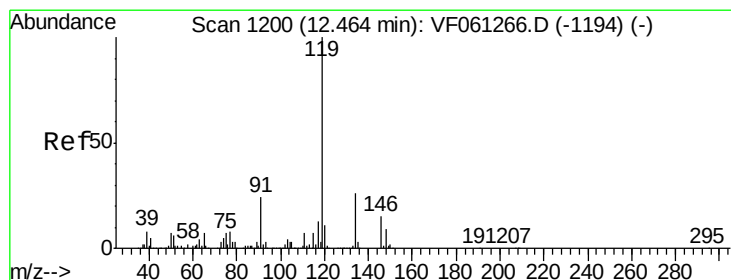
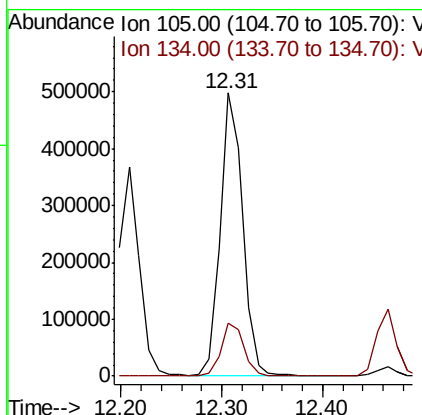
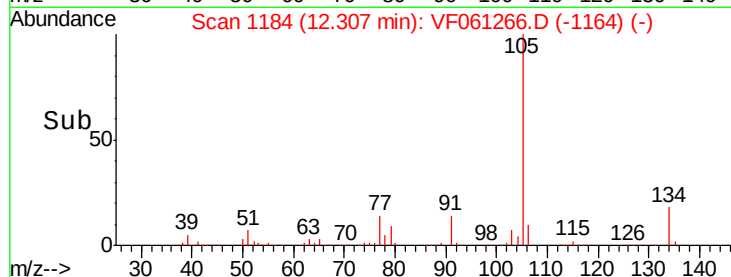
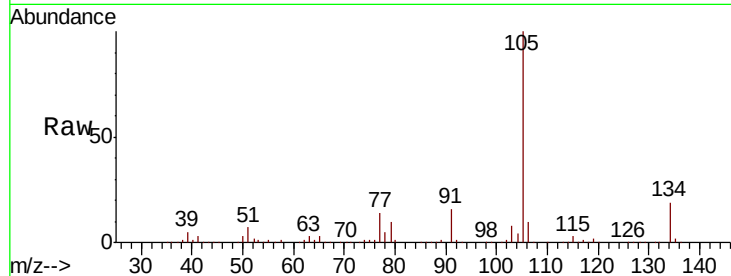




#85
 sec-Butylbenzene
 Concen: 49.918 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

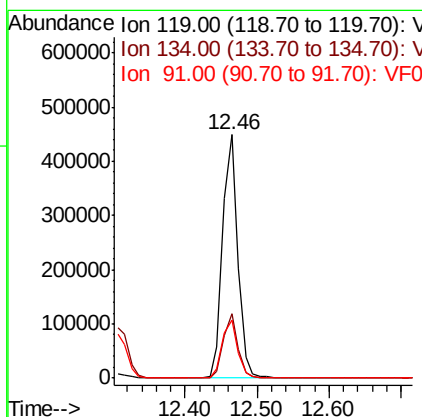
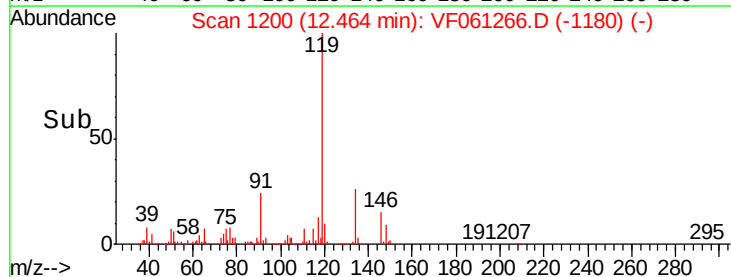
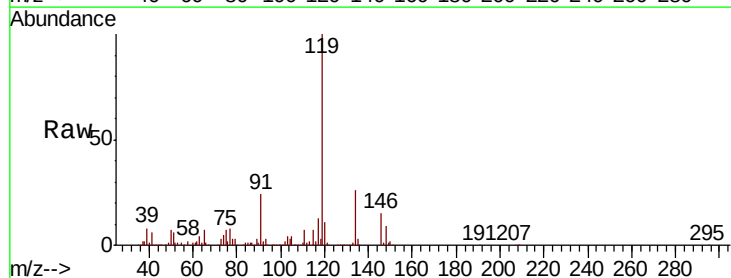
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

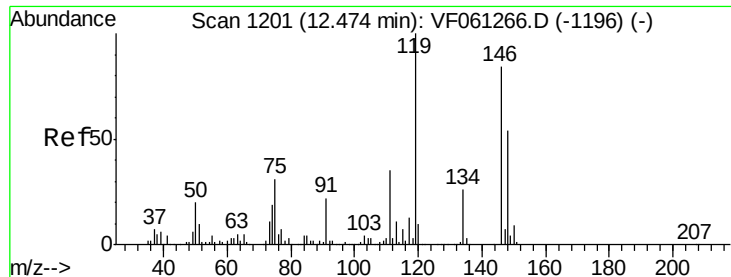
Tgt Ion:105 Resp: 773194
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 50.645 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion:119 Resp: 652338
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 23.8 11.9 35.7

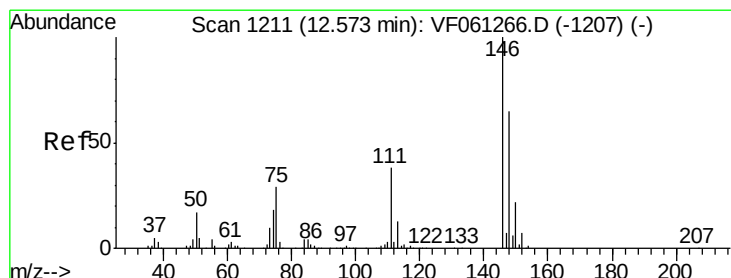
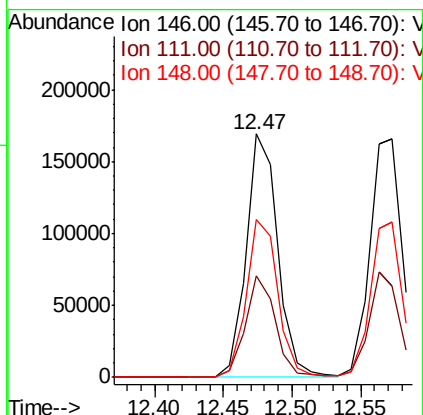
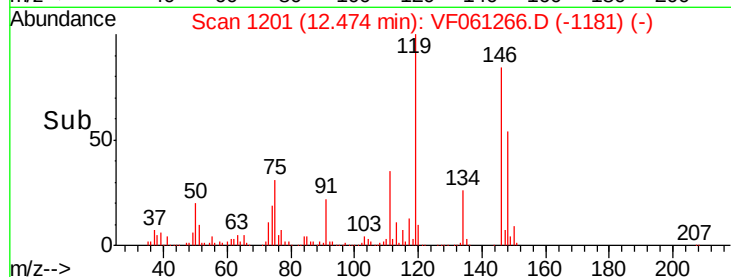
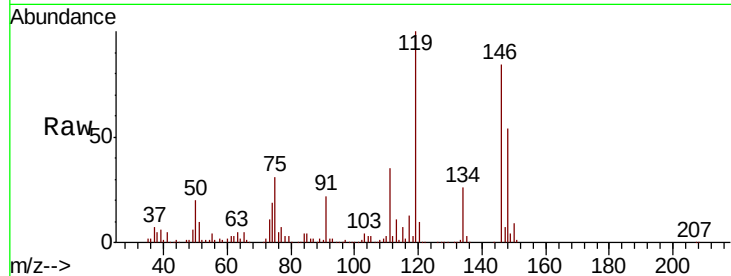




#87
 1,3-Dichlorobenzene
 Concen: 47.840 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

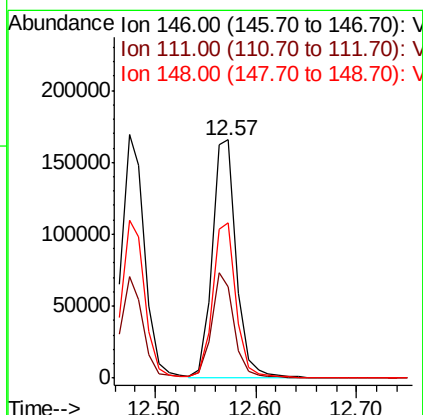
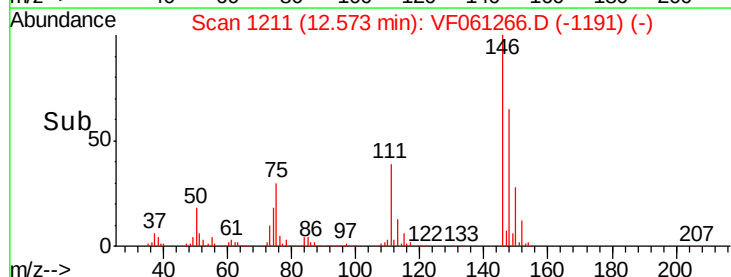
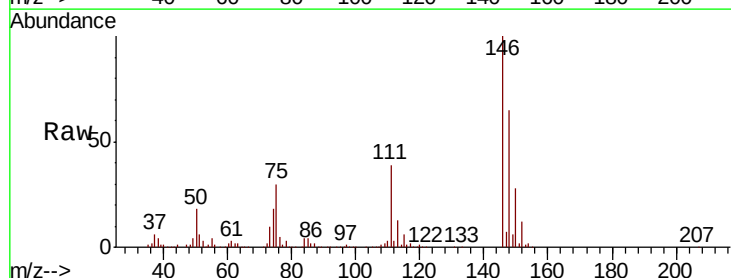
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

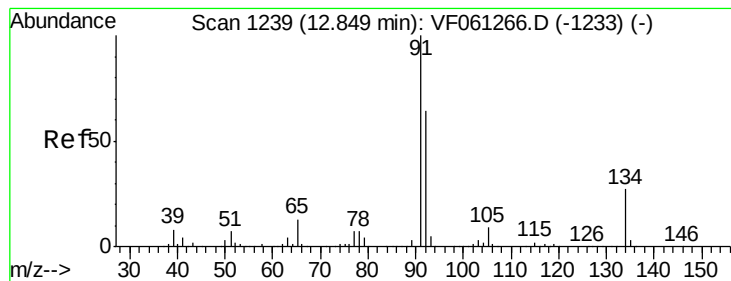
Tgt Ion:146 Resp: 271835
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.9 62.8
 148 64.9 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 49.806 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion:146 Resp: 277381
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 65.3 32.6 98.0





#89

n-Butylbenzene

Concen: 49.963 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

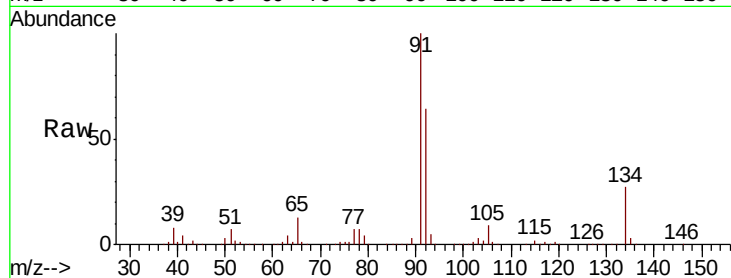
Tgt Ion: 91 Resp: 664644

Ion Ratio Lower Upper

91 100

92 63.8 31.9 95.7

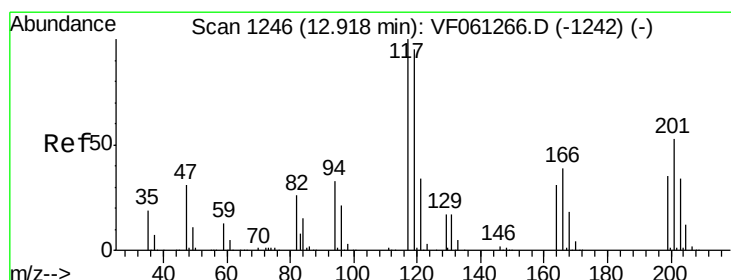
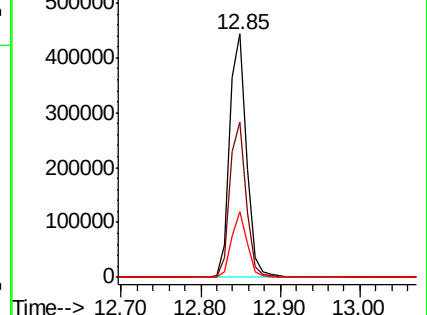
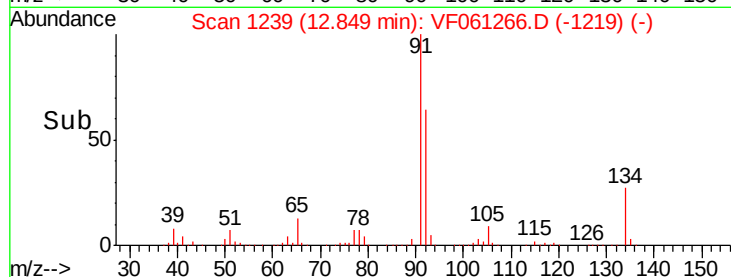
134 27.1 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VF061266.D (-1233) (-)

Ion 92.00 (91.70 to 92.70): VF061266.D (-1233) (-)

Ion 134.00 (133.70 to 134.70): VF061266.D (-1233) (-)



#90

Hexachloroethane

Concen: 51.254 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF061266.D

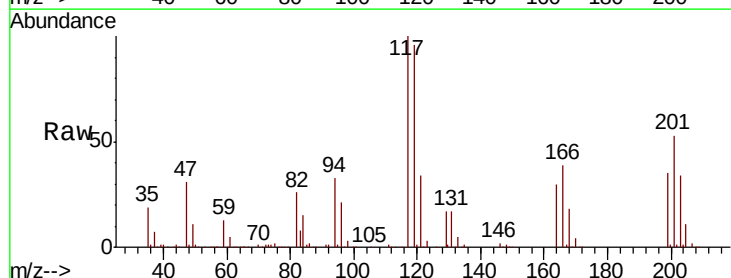
Acq: 3 Jan 2019 15:46

Tgt Ion: 117 Resp: 162944

Ion Ratio Lower Upper

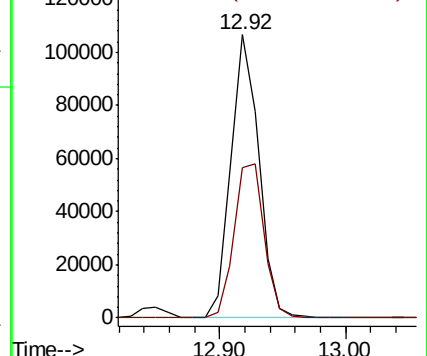
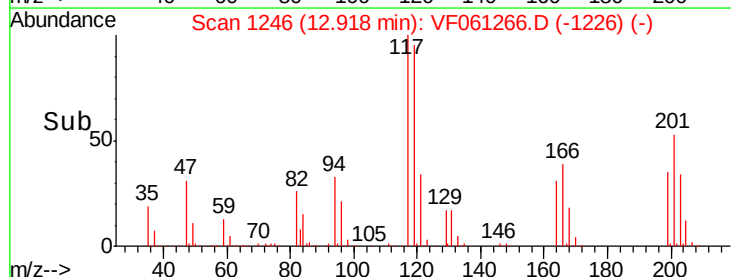
117 100

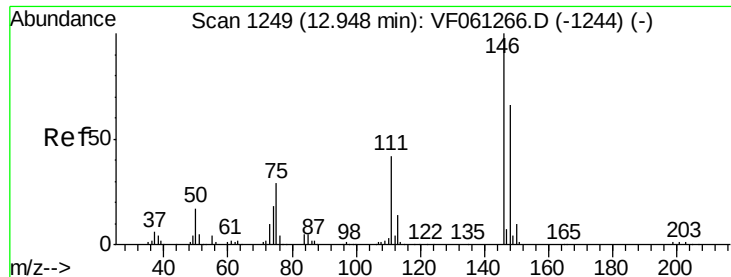
201 53.1 26.6 79.7



Abundance Ion 117.00 (116.70 to 117.70): VF061266.D (-1242) (-)

Ion 201.00 (200.70 to 201.70): VF061266.D (-1242) (-)

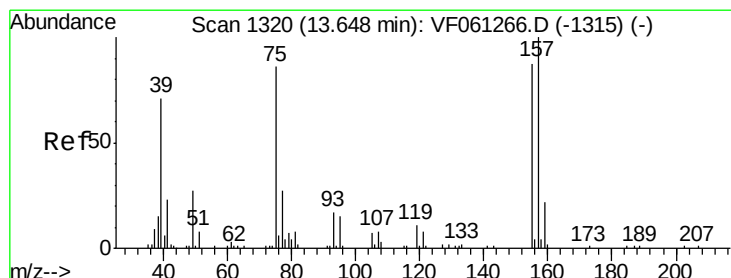
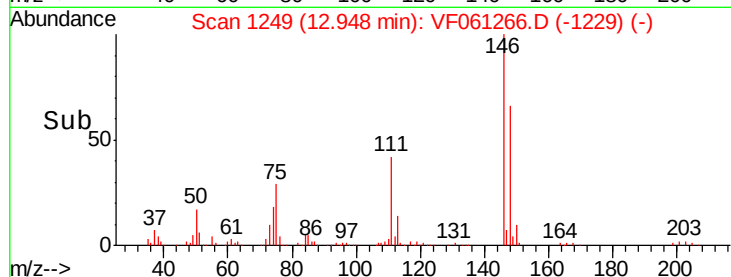
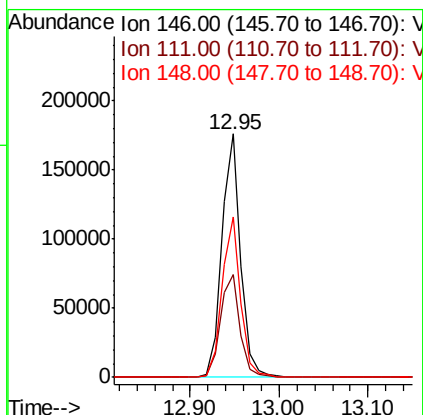
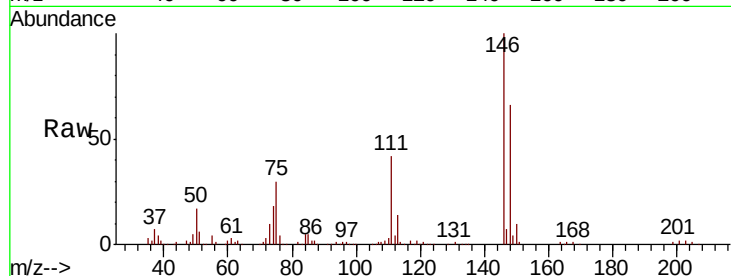




#91
 1,2-Dichlorobenzene
 Concen: 48.671 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

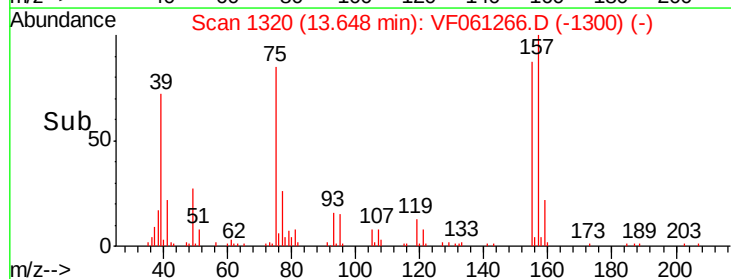
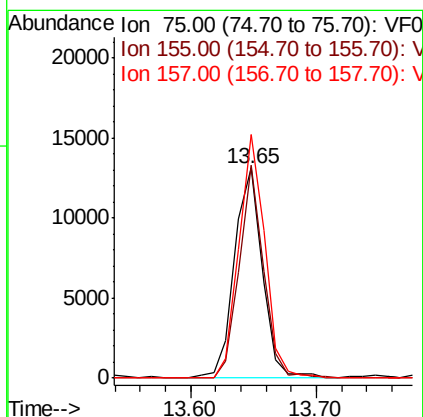
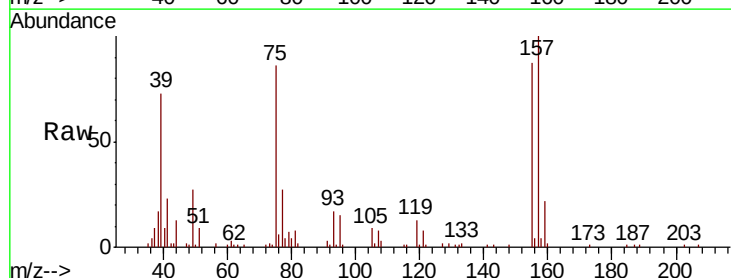
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

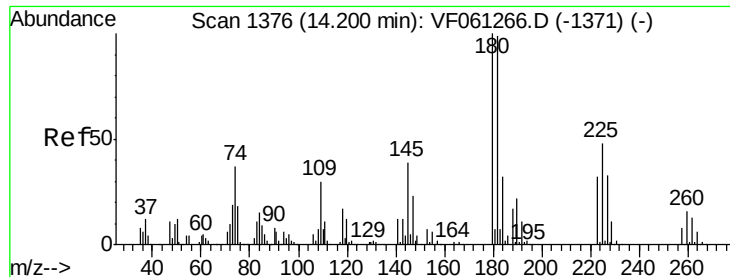
Tgt Ion: 146 Resp: 260360
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.4
 148 65.6 32.8 98.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.904 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 75 Resp: 20010
 Ion Ratio Lower Upper
 75 100
 155 101.2 50.6 151.8
 157 115.9 58.0 173.9

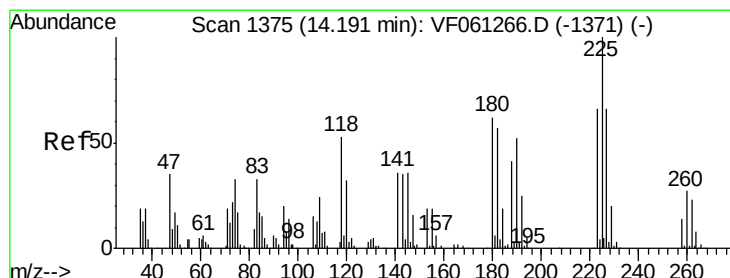
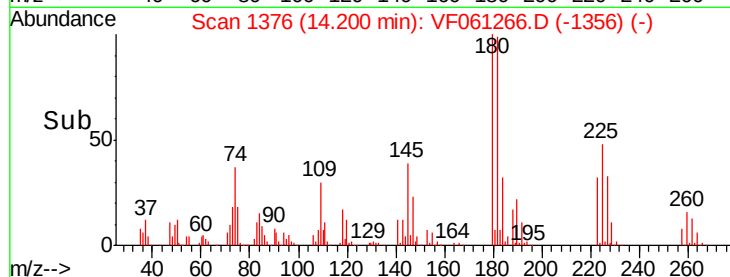
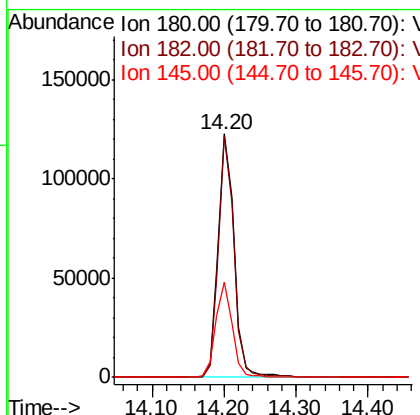
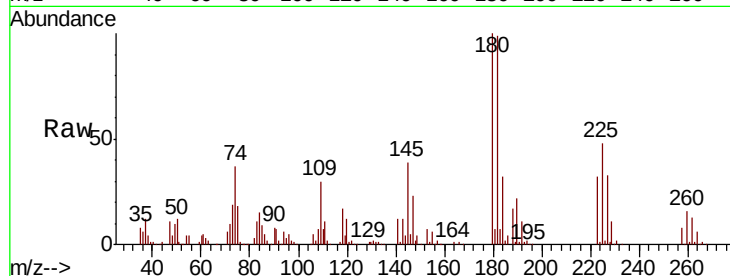




#93
 1,2,4-Trichlorobenzene
 Concen: 48.784 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

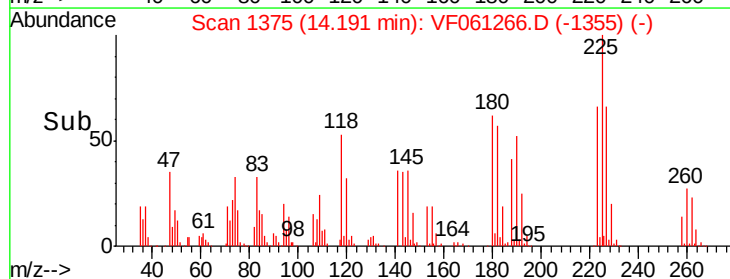
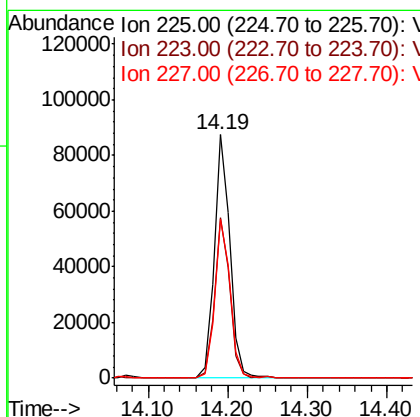
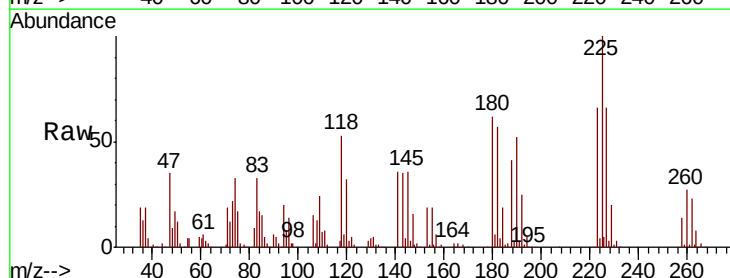
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

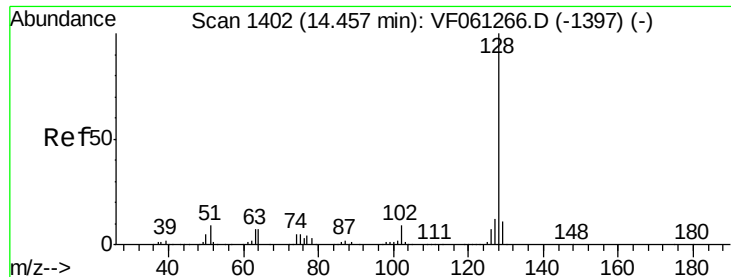
Tgt Ion:180 Resp: 185976
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.5 148.3
 145 39.3 19.7 59.0



#94
 Hexachlorobutadiene
 Concen: 49.987 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion:225 Resp: 121318
 Ion Ratio Lower Upper
 225 100
 223 66.0 33.0 99.0
 227 65.6 32.8 98.4





#95

Naphthalene

Concen: 49.013 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

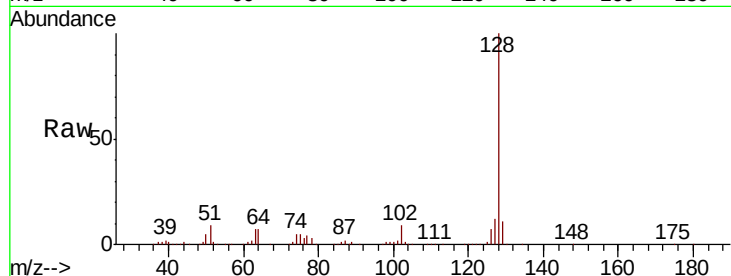
Tgt Ion:128 Resp: 337599

Ion Ratio Lower Upper

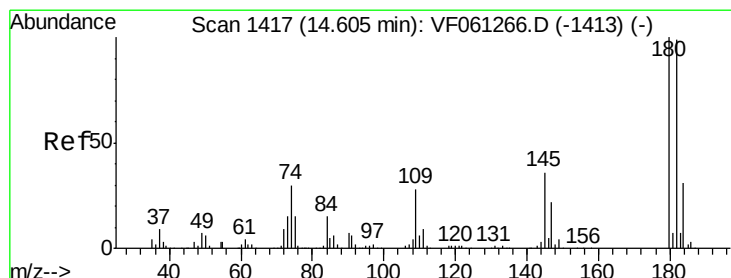
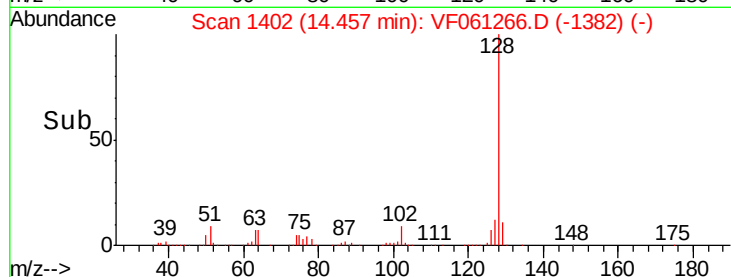
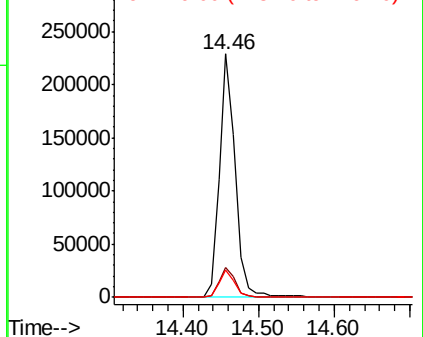
128 100

127 12.2 9.8 14.6

129 11.2 9.0 13.4



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



#96

1,2,3-Trichlorobenzene

Concen: 50.197 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

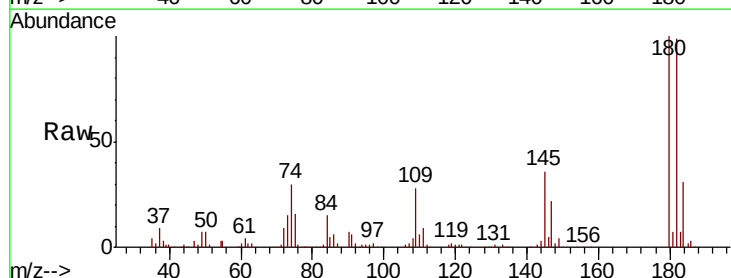
Tgt Ion:180 Resp: 175060

Ion Ratio Lower Upper

180 100

182 99.0 49.5 148.5

145 36.0 18.0 54.0



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

