

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
 Data File : VF061264.D
 Acq On : 3 Jan 2019 14:49
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Jan 04 02:42:53 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	207439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	370302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	340175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	175901	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	28248	10.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.22%	
35) Dibromofluoromethane	4.12	113	30445	10.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.58%	
50) Toluene-d8	7.56	98	91010	10.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.58%	
62) 4-Bromofluorobenzene	11.41	95	40054	10.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.96	85	40077	8.899	ug/l 99
3) Chloromethane	1.10	50	32776	12.172	ug/l 98
4) Vinyl Chloride	1.14	62	26578	10.671	ug/l 96
5) Bromomethane	1.32	94	17808	10.346	ug/l 91
6) Chloroethane	1.38	64	13654	11.968	ug/l 89
7) Trichlorofluoromethane	1.49	101	51812	11.063	ug/l 97
8) Diethyl Ether	1.64	74	7809	12.272	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	26987	11.023	ug/l 91
10) Methyl Iodide	1.91	142	32966	8.585	ug/l 95
11) Tert butyl alcohol	2.58	59	5976	56.203	ug/l 96
12) 1,1-Dichloroethene	1.79	96	22617	12.325	ug/l 99
13) Acrolein	2.00	56	7050	88.390	ug/l 84
14) Allyl chloride	2.10	41	30819	14.719	ug/l 91
15) Acrylonitrile	2.94	53	16948	67.495	ug/l 95
16) Acetone	2.24	43	35350	69.725	ug/l 92
17) Carbon Disulfide	1.83	76	66533	11.828	ug/l # 92
18) Methyl Acetate	2.43	43	15079	13.673	ug/l 96
19) Methyl tert-butyl Ether	2.44	73	46561	11.610	ug/l # 89
20) Methylene Chloride	2.18	84	13836	6.842	ug/l 93
21) trans-1,2-Dichloroethene	2.31	96	22118	11.082	ug/l 92
22) Diisopropyl ether	2.80	45	70648	11.019	ug/l # 99
23) Vinyl Acetate	3.20	43	183366	62.666	ug/l 98
24) 1,1-Dichloroethane	2.88	63	42426	11.130	ug/l 99
25) 2-Butanone	4.34	43	61183	70.935	ug/l # 88
26) 2,2-Dichloropropane	3.60	77	25138	11.415	ug/l 89
27) cis-1,2-Dichloroethene	3.48	96	32311	10.703	ug/l 99
28) Bromochloromethane	3.73	49	20271	10.714	ug/l 99
29) Tetrahydrofuran	4.09	42	23559	66.960	ug/l 98
30) Chloroform	3.87	83	59714	10.586	ug/l 94
31) Cyclohexane	3.70	56	46646	11.682	ug/l 96
32) 1,1,1-Trichloroethane	4.10	97	43529	12.365	ug/l 98
36) 1,1-Dichloropropene	4.29	75	43783	9.776	ug/l 97
37) Ethyl Acetate	4.11	43	19580	10.828	ug/l # 72
38) Carbon Tetrachloride	4.01	117	36682	10.619	ug/l 96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	47987	11.662	ug/l	93
40) Benzene	4.64	78	109654	11.308	ug/l	99
41) Methacrylonitrile	4.76	41	11848	12.785	ug/l	90
42) 1,2-Dichloroethane	4.95	62	34411	9.656	ug/l	92
43) Isopropyl Acetate	6.97	43	25401	11.765	ug/l #	93
44) Trichloroethene	5.52	130	32393	10.755	ug/l	96
45) 1,2-Dichloropropane	6.25	63	25640	9.777	ug/l	95
46) Dibromomethane	6.10	93	16930	10.107	ug/l	93
47) Bromodichloromethane	6.39	83	43615	10.059	ug/l	98
48) Methyl methacrylate	6.73	41	15723	10.437	ug/l	91
49) 1,4-Dioxane	6.71	88	2117	197.125	ug/l #	85
51) 4-Methyl-2-Pentanone	8.27	43	99797	67.590	ug/l	99
52) Toluene	7.64	92	69818	10.893	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	36596	10.356	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	45236	10.182	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	19245	10.106	ug/l	94
56) Ethyl methacrylate	8.62	69	21673	10.538	ug/l	91
57) 1,3-Dichloropropane	8.86	76	38192	11.062	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	12226	32.611	ug/l #	86
59) 2-Hexanone	9.50	43	71035	66.924	ug/l	96
60) Dibromochloromethane	8.72	129	27815	10.348	ug/l	93
61) 1,2-Dibromoethane	9.00	107	20414	10.079	ug/l	91
64) Tetrachloroethene	8.16	164	26263	9.937	ug/l	95
65) Chlorobenzene	9.81	112	72754	10.235	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	29252	10.066	ug/l	96
67) Ethyl Benzene	9.91	91	134766	10.349	ug/l	99
68) m/p-Xylenes	10.14	106	101663	22.333	ug/l	98
69) o-Xylene	10.71	106	52545	10.315	ug/l	82
70) Styrene	10.79	104	76552	10.872	ug/l	96
71) Bromoform	10.77	173	13618	10.173	ug/l #	91
73) Isopropylbenzene	11.13	105	160824	10.601	ug/l	96
74) N-amyl acetate	11.37	43	41295	12.186	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	30454	12.231	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	21698	11.701	ug/l	78
77) Bromobenzene	11.50	156	33355	10.275	ug/l	92
78) n-propylbenzene	11.60	91	189529	10.631	ug/l	98
79) 2-Chlorotoluene	11.72	91	113826	10.994	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	130353	10.512	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	12562	15.516	ug/l #	77
82) 4-Chlorotoluene	11.91	91	113365	10.537	ug/l	99
83) tert-Butylbenzene	12.13	119	136912	10.738	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	133288	10.777	ug/l	91
85) sec-Butylbenzene	12.31	105	176555	10.529	ug/l	99
86) p-Isopropyltoluene	12.46	119	151709	10.879	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	65387	10.629	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	62764	10.410	ug/l	98
89) n-Butylbenzene	12.84	91	163137	11.328	ug/l	93
90) Hexachloroethane	12.92	117	34920	10.146	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	66030	11.402	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	4763	10.533	ug/l	76

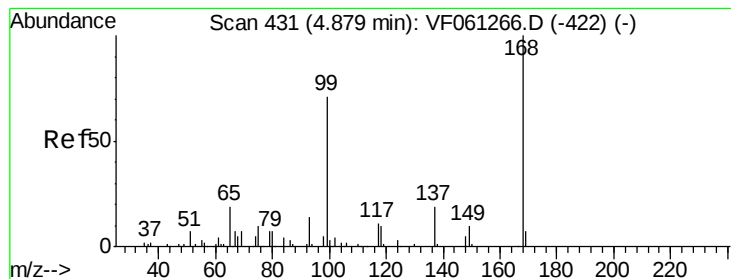
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	44556	10.796	ug/l	95
94) Hexachlorobutadiene	14.20	225	26358	10.032	ug/l	93
95) Naphthalene	14.46	128	77430	10.384	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	38242	10.129	ug/l	98

(#) = 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. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

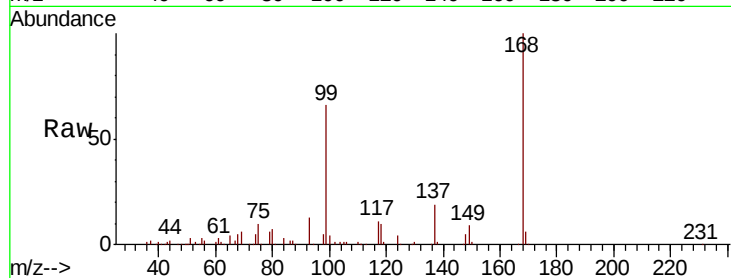
VSTDIC010

Tgt Ion:168 Resp: 207439

Ion Ratio Lower Upper

168 100

99 66.1 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

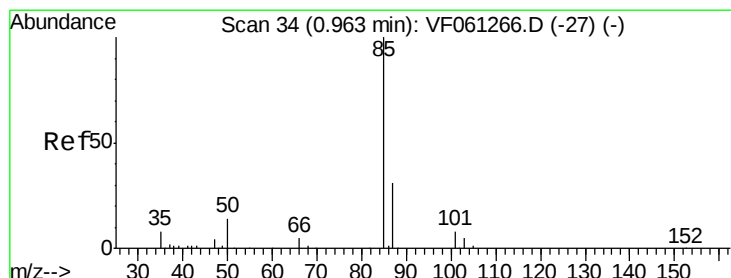
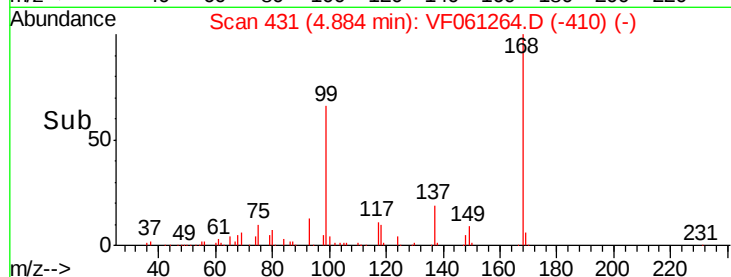
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 8.899 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061264.D

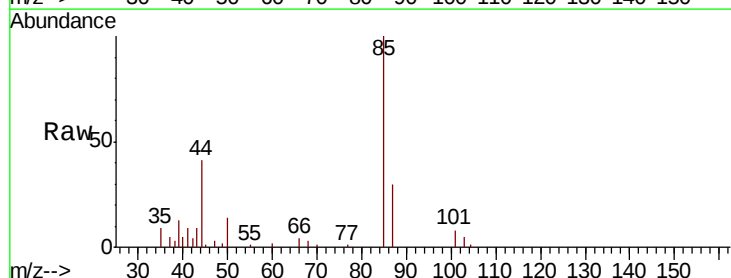
Acq: 3 Jan 2019 14:49

Tgt Ion: 85 Resp: 40077

Ion Ratio Lower Upper

85 100

87 30.4 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

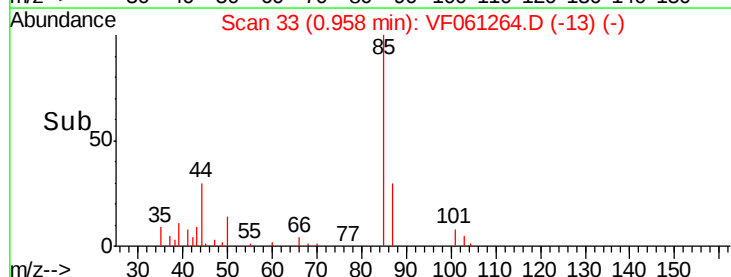
10000

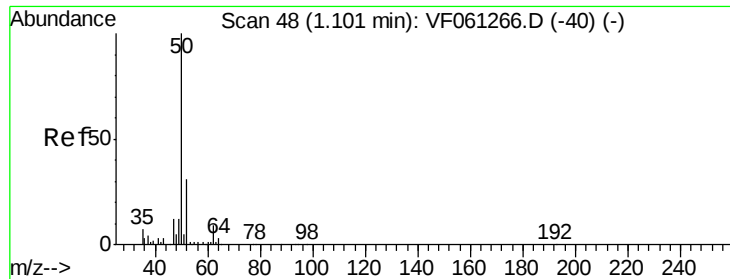
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 12.172 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

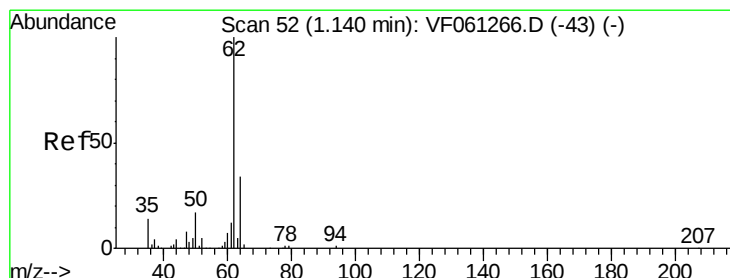
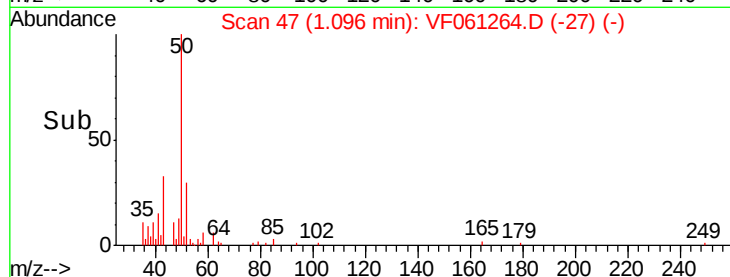
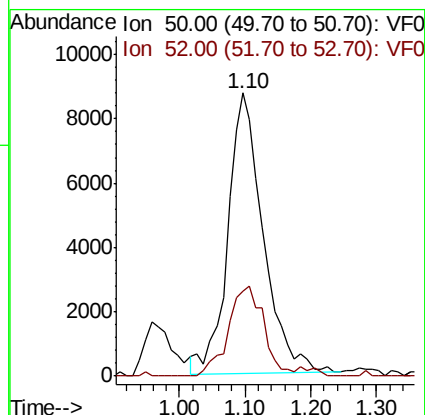
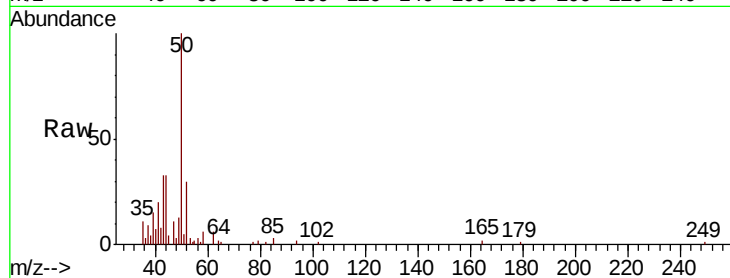
VSTDIC010

Tgt Ion: 50 Resp: 32776

Ion Ratio Lower Upper

50 100

52 30.1 23.4 35.2



#4

Vinyl Chloride

Concen: 10.671 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061264.D

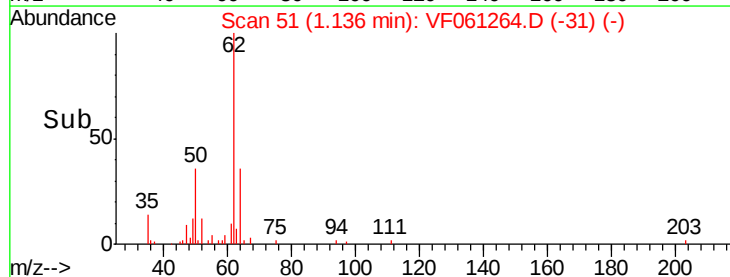
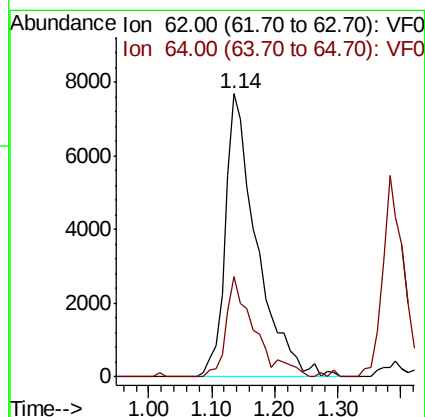
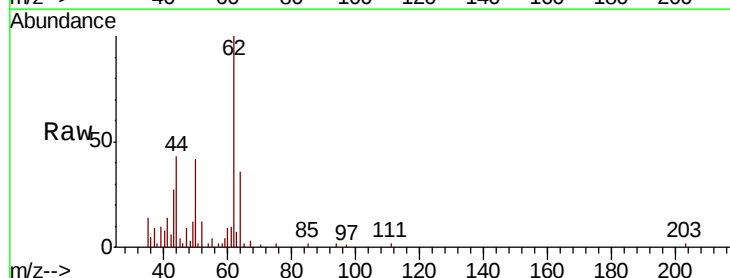
Acq: 3 Jan 2019 14:49

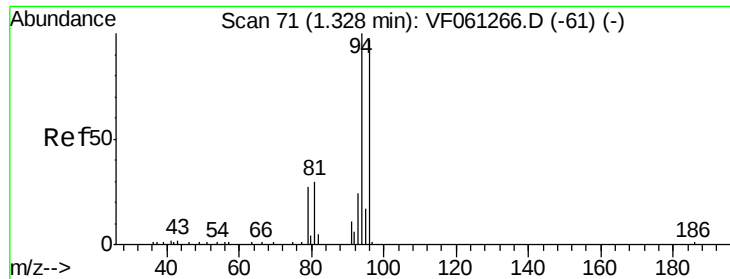
Tgt Ion: 62 Resp: 26578

Ion Ratio Lower Upper

62 100

64 35.7 26.9 40.3





#5

Bromomethane

Concen: 10.346 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

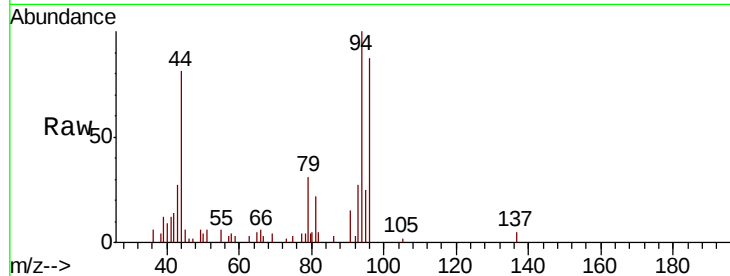
VSTDIC010

Tgt Ion: 94 Resp: 17808

Ion Ratio Lower Upper

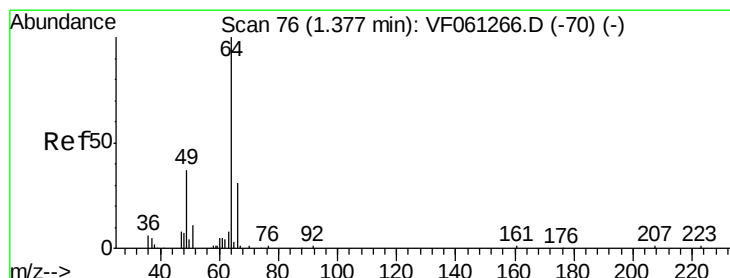
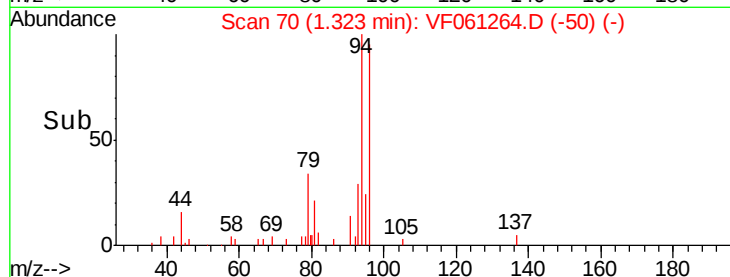
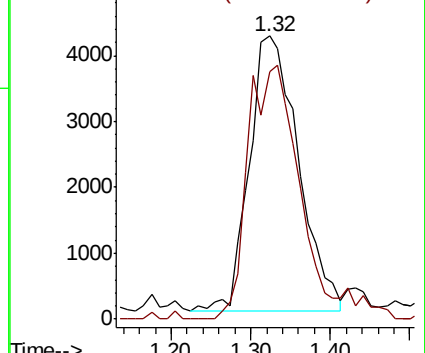
94 100

96 87.3 77.2 115.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 11.968 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061264.D

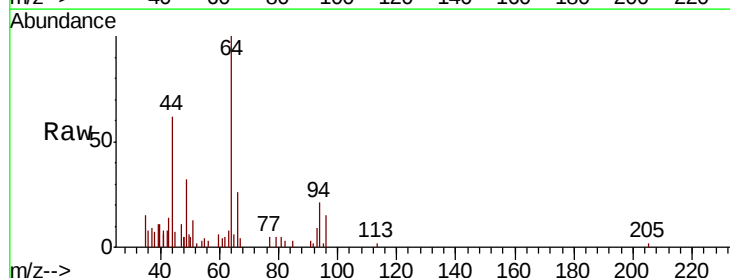
Acq: 3 Jan 2019 14:49

Tgt Ion: 64 Resp: 13654

Ion Ratio Lower Upper

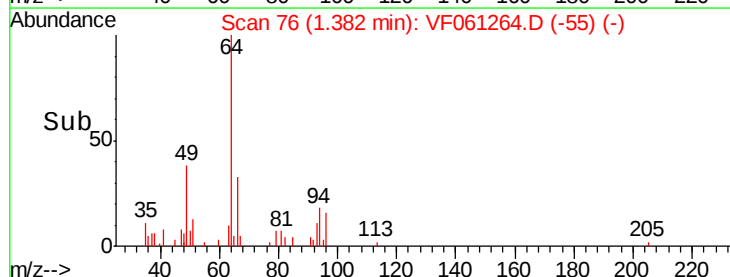
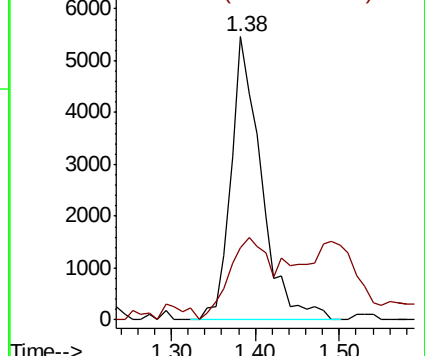
64 100

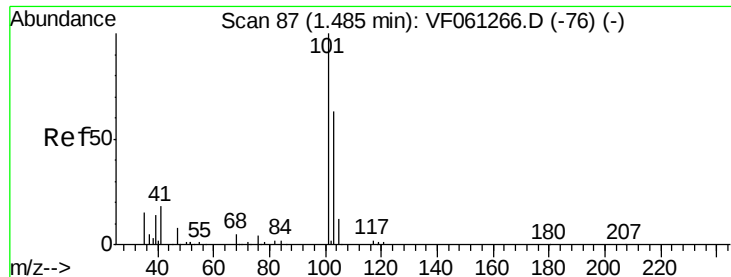
66 25.7 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 11.063 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

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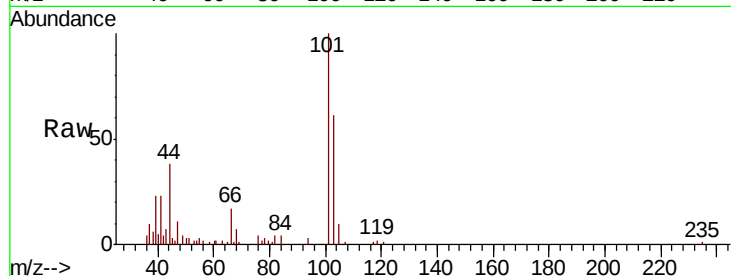
VSTDIC010

Tgt Ion:101 Resp: 51812

Ion Ratio Lower Upper

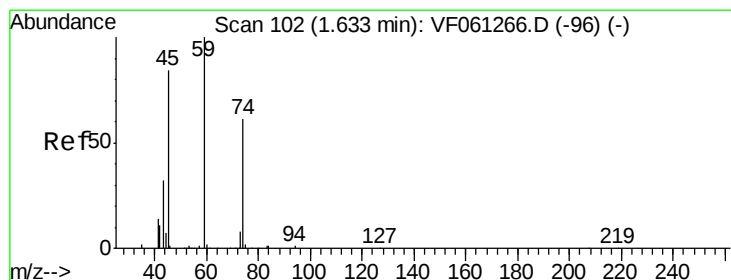
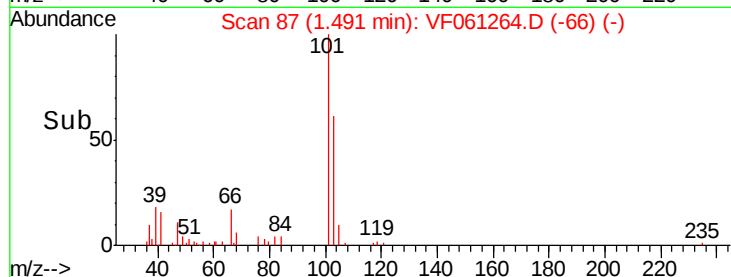
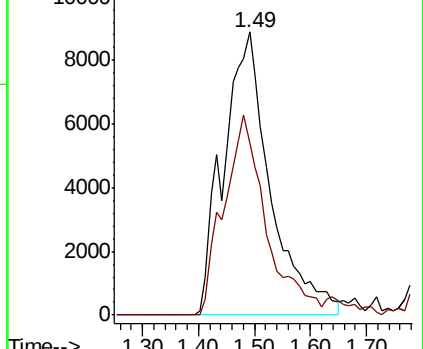
101 100

103 60.8 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: 12.272 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061264.D

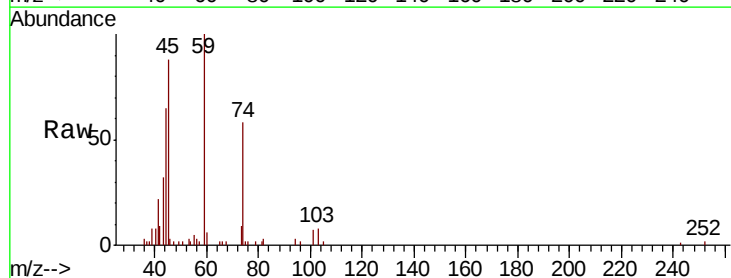
Acq: 3 Jan 2019 14:49

Tgt Ion: 74 Resp: 7809

Ion Ratio Lower Upper

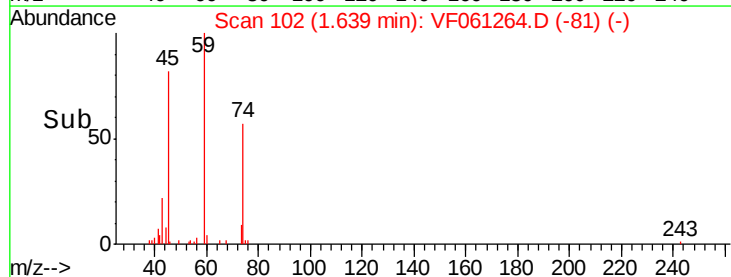
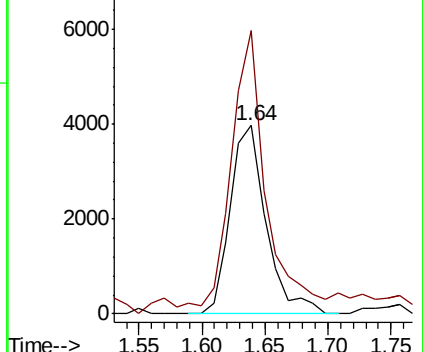
74 100

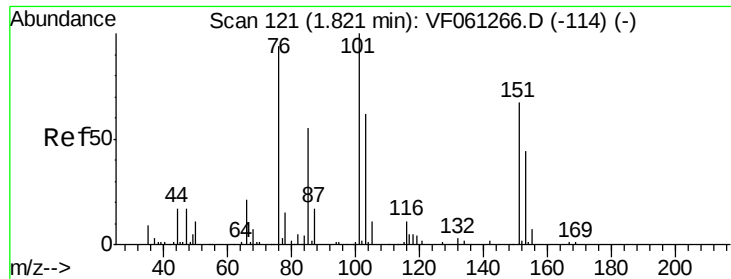
45 150.5 69.0 207.0



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: 11.023 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

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VSTDIC010

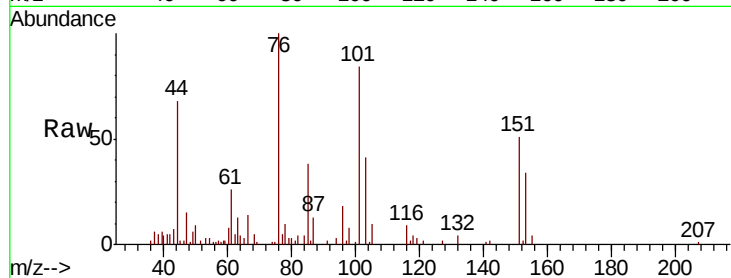
Tgt Ion:101 Resp: 26987

Ion Ratio Lower Upper

101 100

85 45.1 42.9 64.3

151 60.7 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

10000

8000

6000

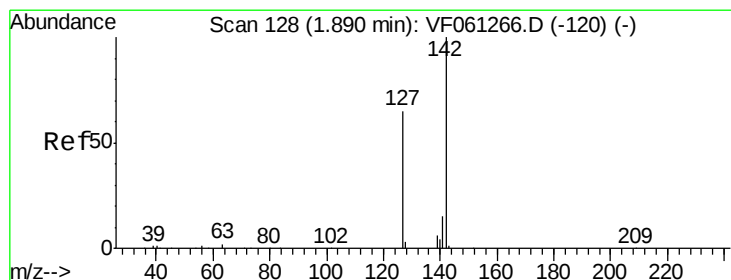
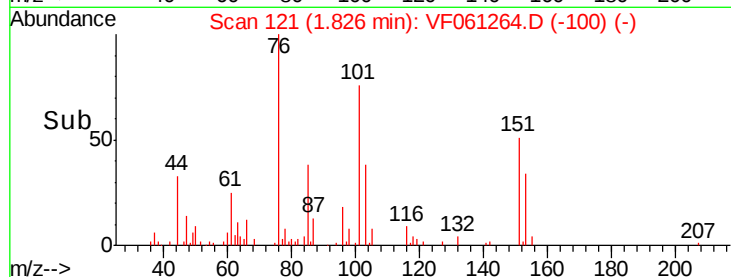
4000

2000

0

1.70 1.80 1.90 2.00

Time-->



#10

Methyl Iodide

Concen: 8.585 ug/l

RT: 1.91 min Scan# 129

Delta R.T. 0.02 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

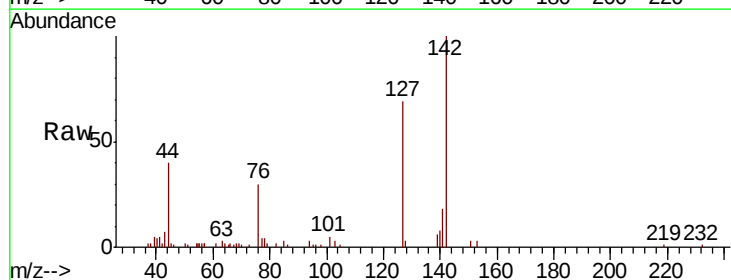
Tgt Ion:142 Resp: 32966

Ion Ratio Lower Upper

142 100

127 69.0 52.3 78.5

141 17.5 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

12000

10000

8000

6000

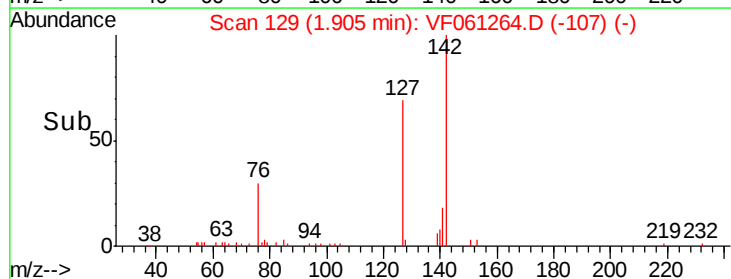
4000

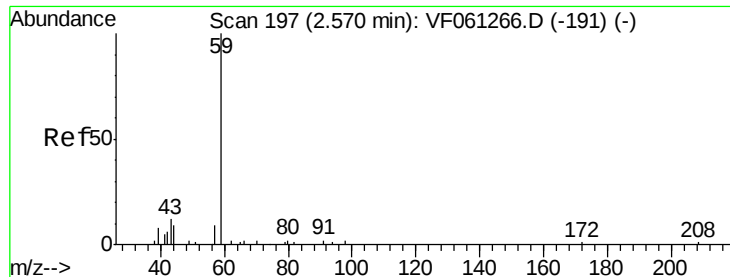
2000

0

1.80 1.90 2.00 2.10

Time-->

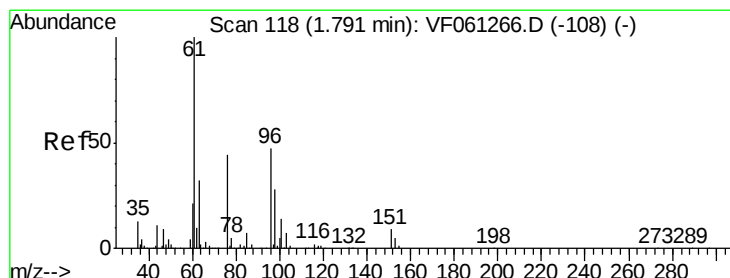
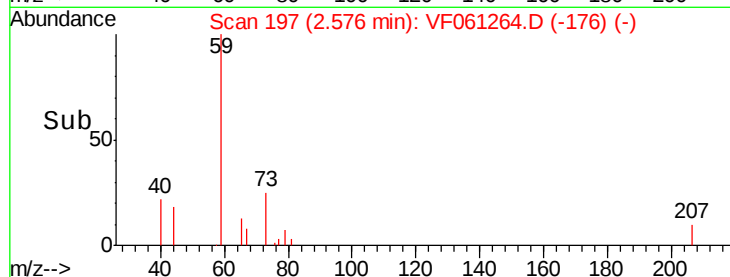
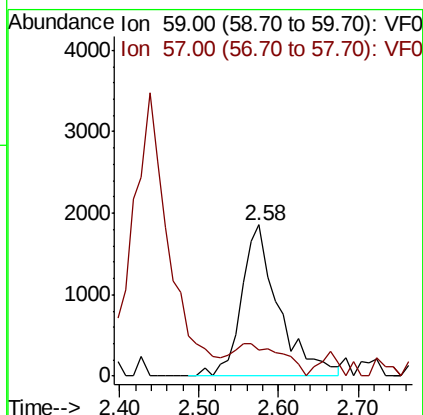
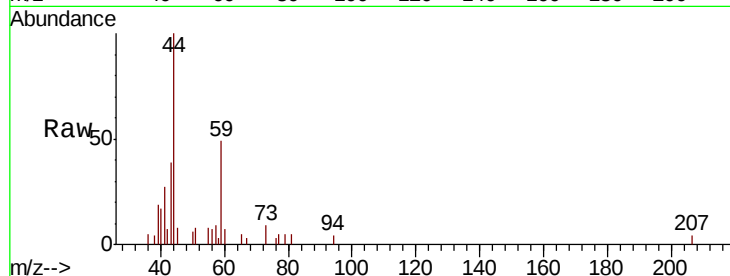




#11
Tert butyl alcohol
Concen: 56.203 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

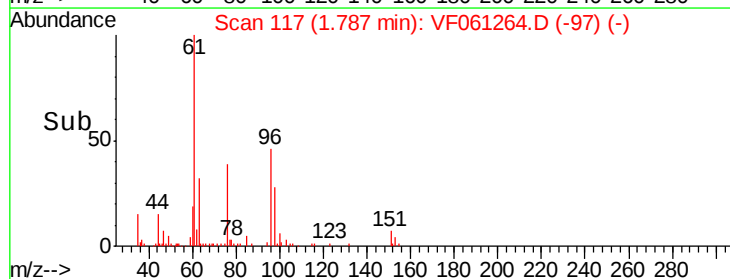
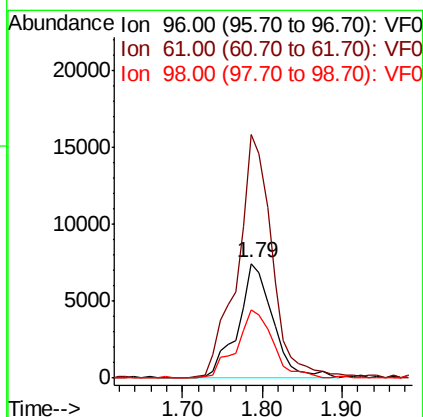
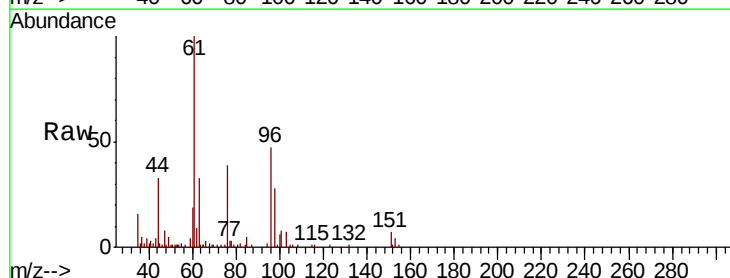
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

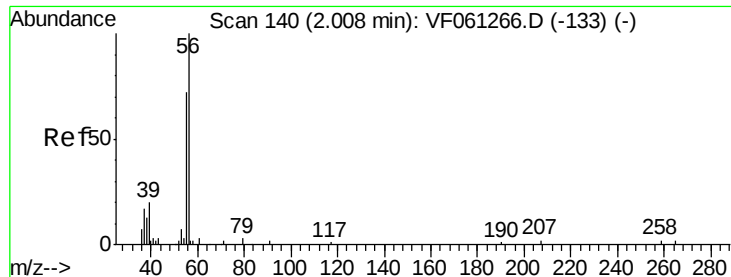
Tgt Ion: 59 Resp: 5976
Ion Ratio Lower Upper
59 100
57 17.3 12.6 18.8



#12
1,1-Dichloroethene
Concen: 12.325 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 96 Resp: 22617
Ion Ratio Lower Upper
96 100
61 212.1 171.6 257.4
98 59.7 48.6 72.8





#13

Acrolein

Concen: 88.390 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

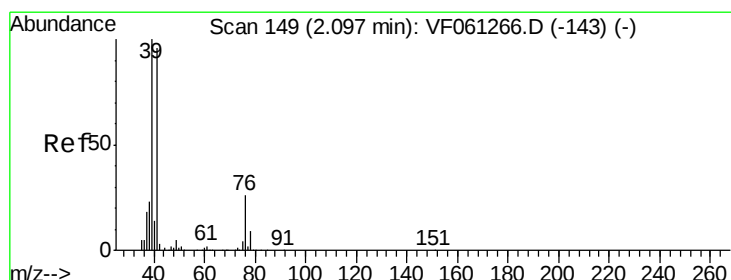
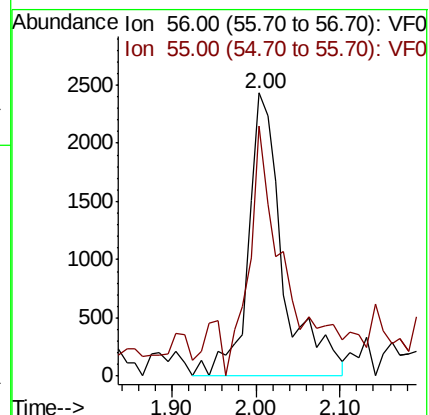
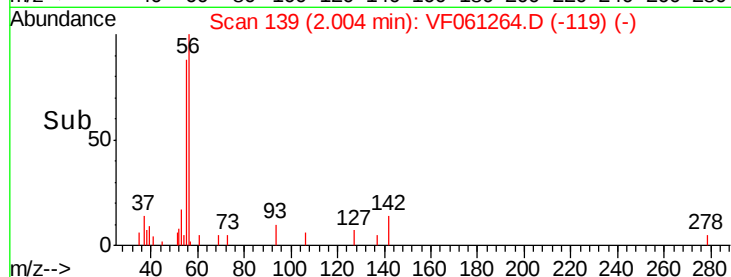
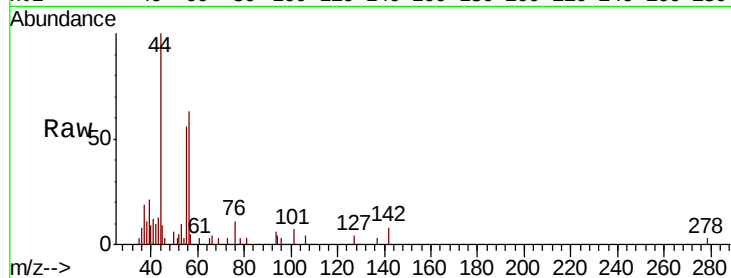
VSTDIC010

Tgt Ion: 56 Resp: 7050

Ion Ratio Lower Upper

56 100

55 88.2 59.7 89.5



#14

Allyl chloride

Concen: 14.719 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

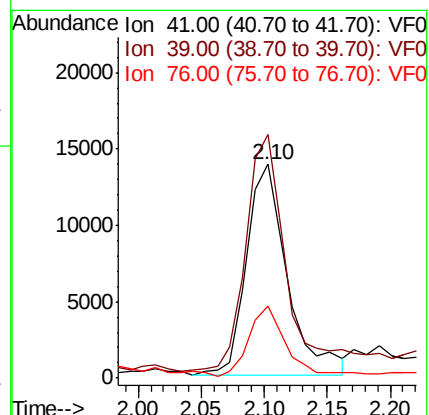
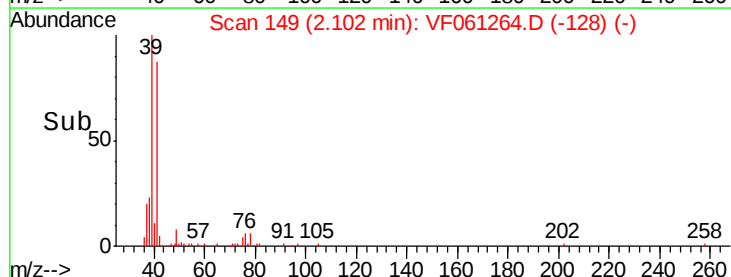
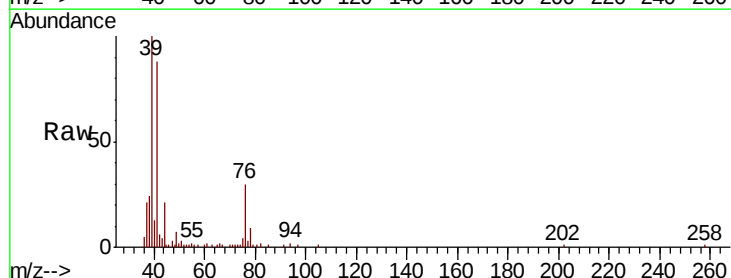
Tgt Ion: 41 Resp: 30819

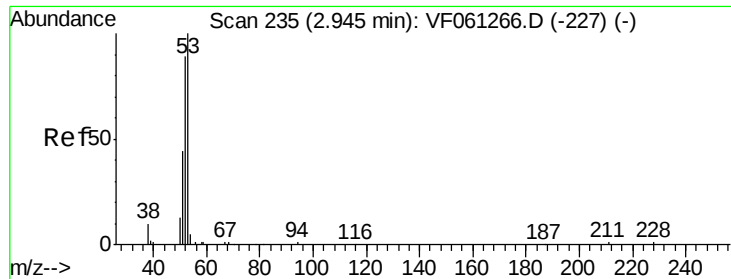
Ion Ratio Lower Upper

41 100

39 114.0 83.4 125.2

76 34.0 23.9 35.9





#15

Acrylonitrile

Concen: 67.495 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

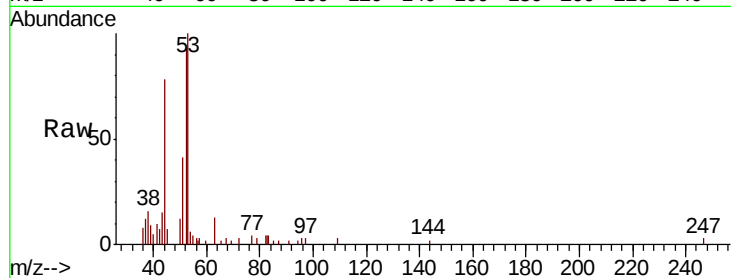
Tgt Ion: 53 Resp: 16948

Ion Ratio Lower Upper

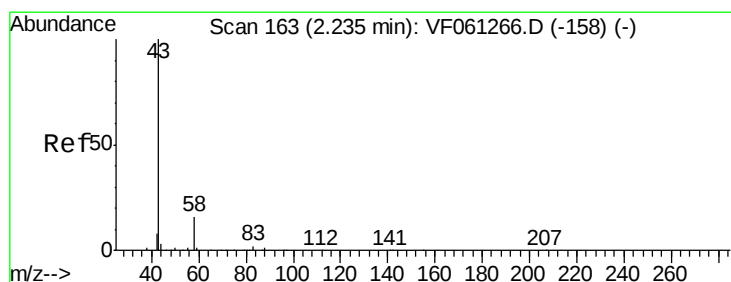
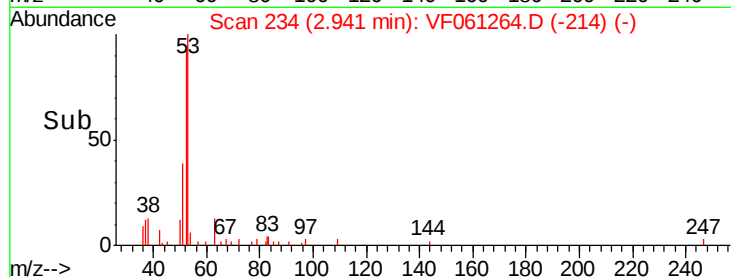
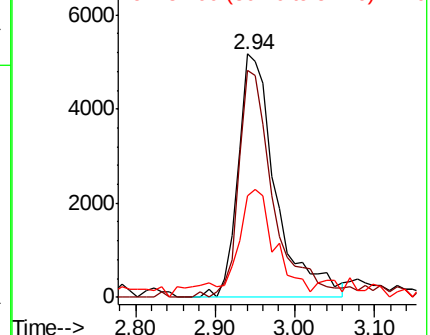
53 100

52 93.5 71.3 106.9

51 41.5 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: 69.725 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061264.D

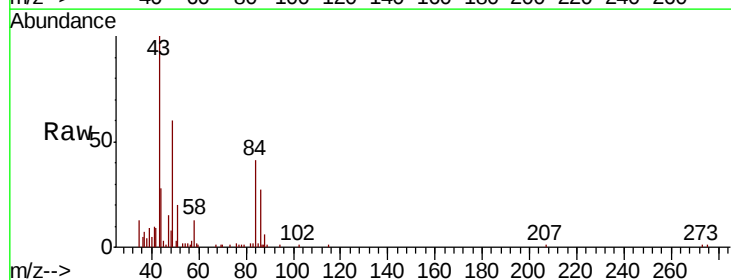
Acq: 3 Jan 2019 14:49

Tgt Ion: 43 Resp: 35350

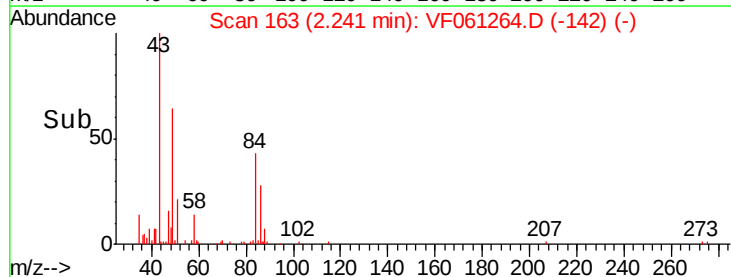
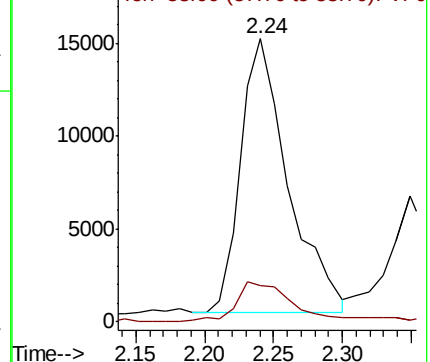
Ion Ratio Lower Upper

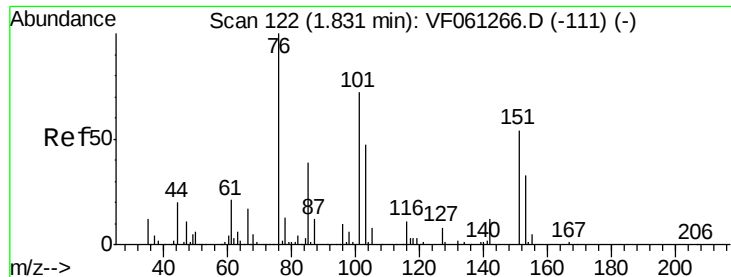
43 100

58 13.0 13.0 19.4



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

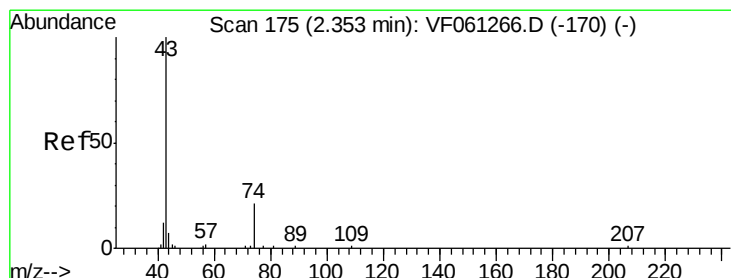
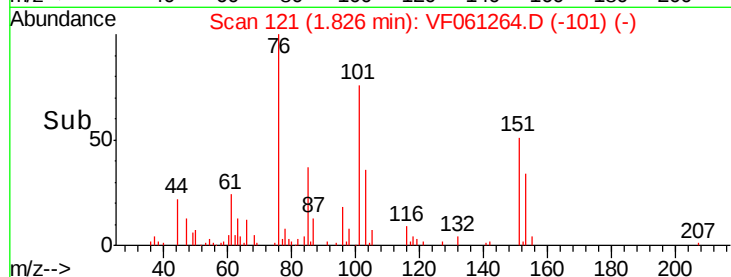
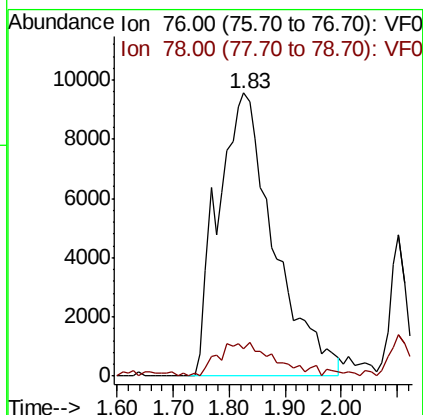
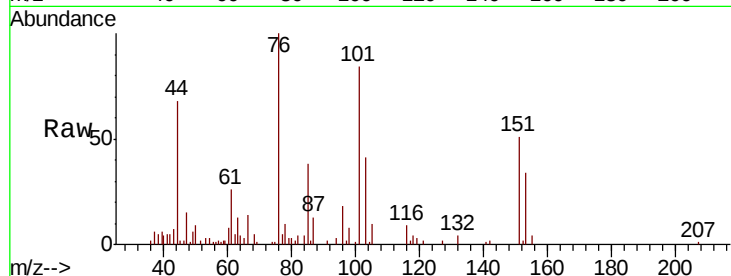




#17
Carbon Disulfide
Concen: 11.828 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

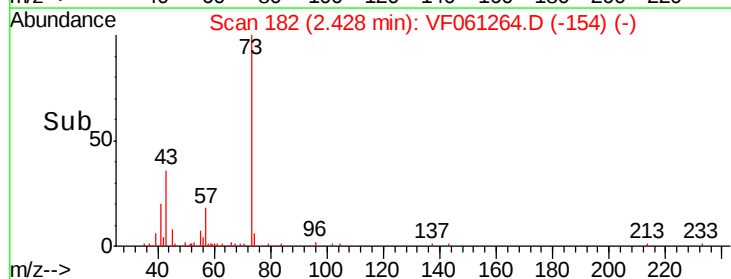
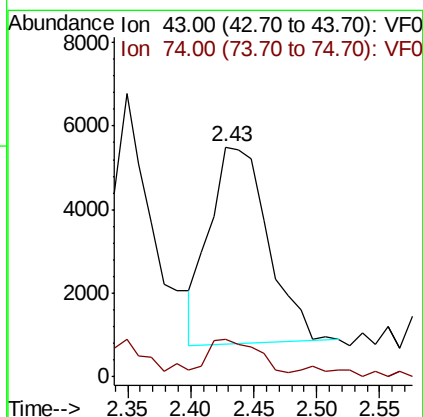
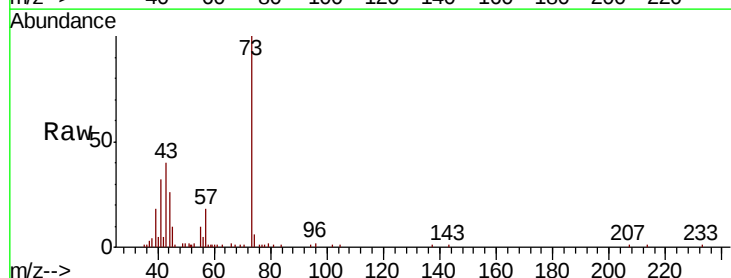
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

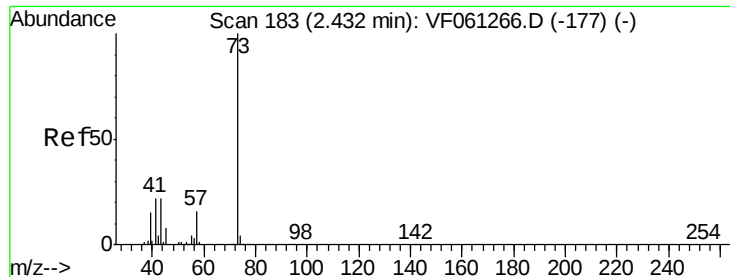
Tgt Ion: 76 Resp: 66533
Ion Ratio Lower Upper
76 100
78 9.5 10.2 15.4#



#18
Methyl Acetate
Concen: 13.673 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.07 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 43 Resp: 15079
Ion Ratio Lower Upper
43 100
74 16.3 14.4 21.6

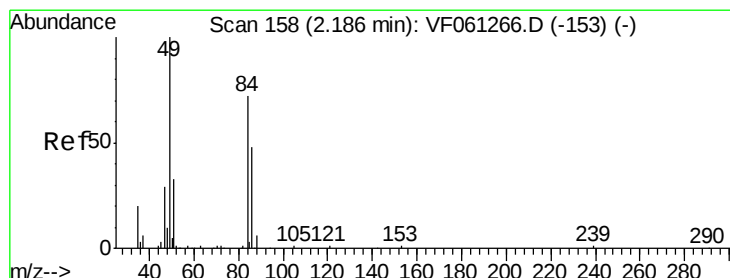
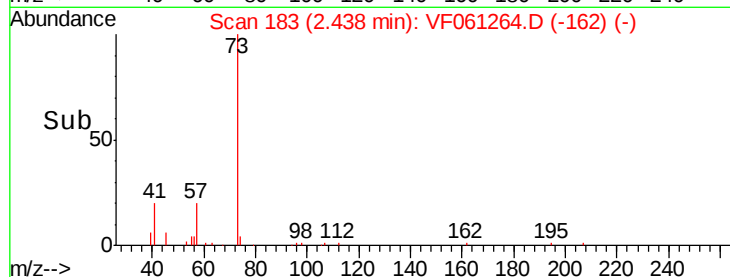
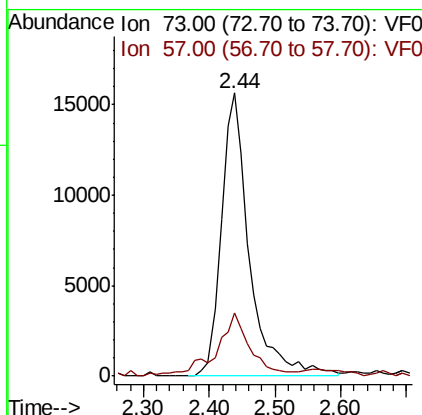
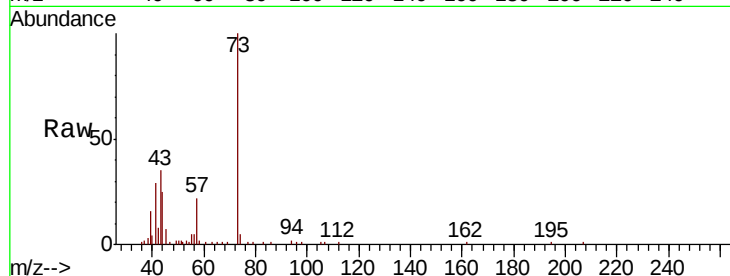




#19
Methyl tert-butyl Ether
Concen: 11.610 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

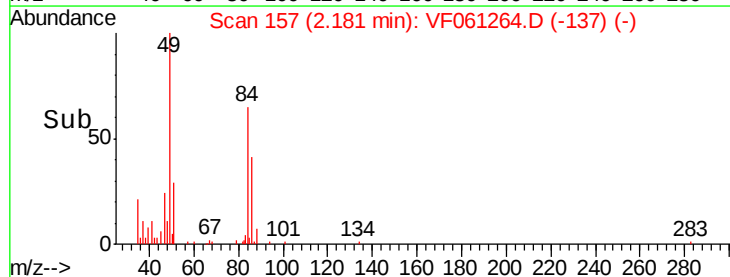
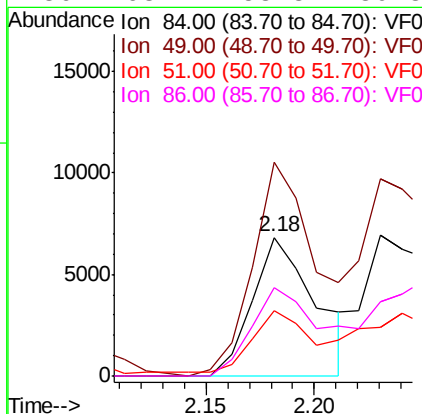
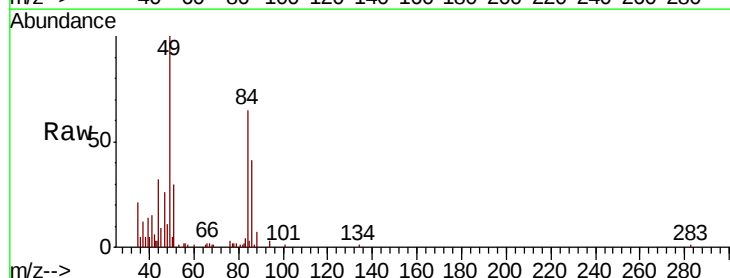
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

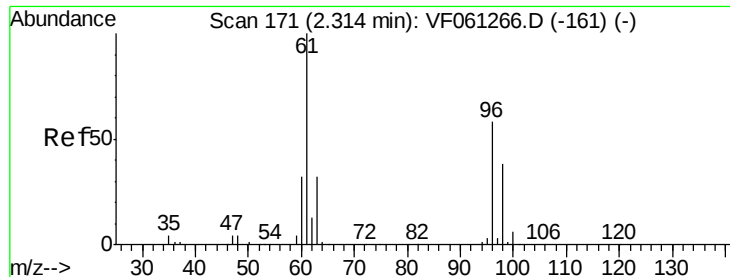
Tgt Ion: 73 Resp: 46561
Ion Ratio Lower Upper
73 100
57 22.2 14.0 21.0#



#20
Methylene Chloride
Concen: 6.842 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 84 Resp: 13836
Ion Ratio Lower Upper
84 100
49 154.4 112.9 169.3
51 47.0 37.9 56.9
86 63.4 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 11.082 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

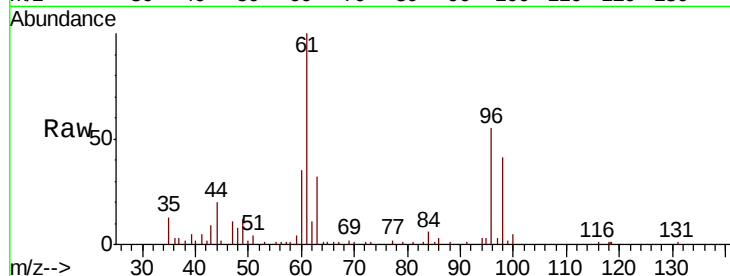
Tgt Ion: 96 Resp: 22118

Ion Ratio Lower Upper

96 100

61 183.3 139.3 208.9

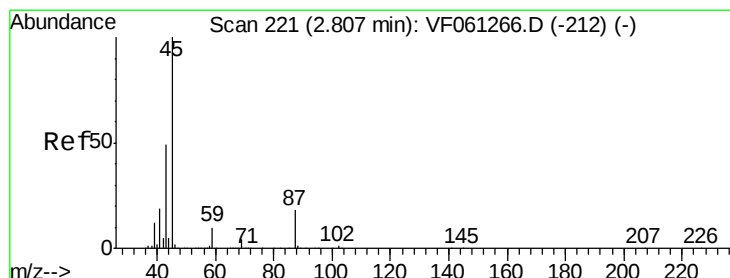
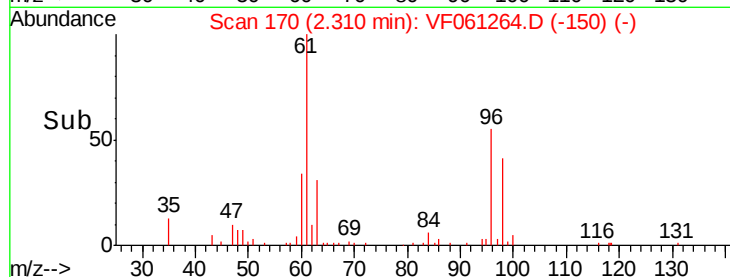
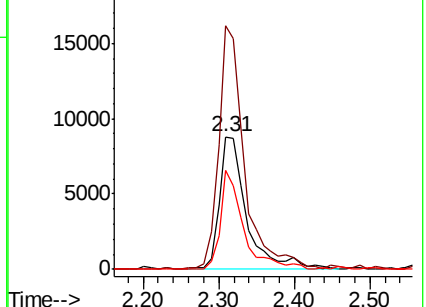
98 74.8 52.6 78.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 11.019 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion: 45 Resp: 70648

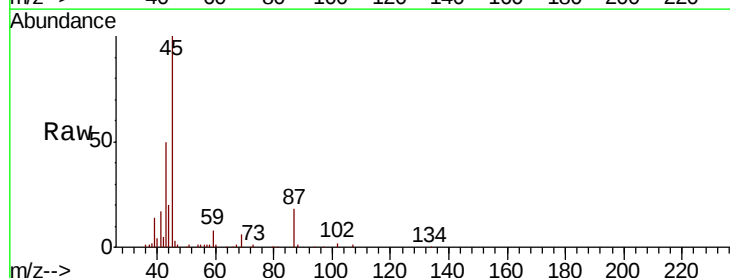
Ion Ratio Lower Upper

45 100

43 49.5 39.5 59.3

87 18.2 14.8 22.2

59 7.8 7.8 11.8#

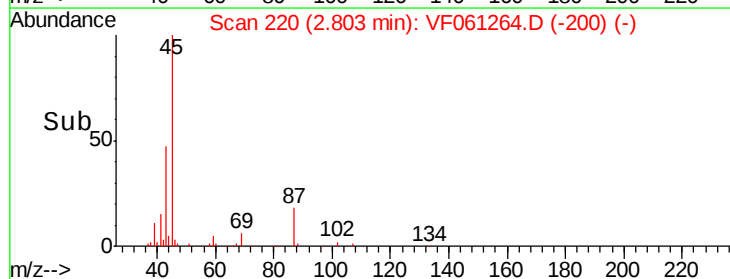
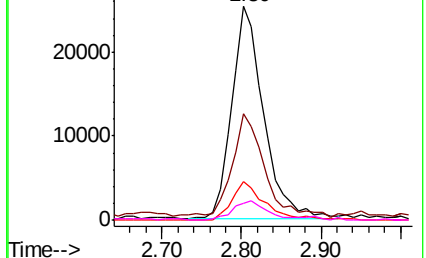


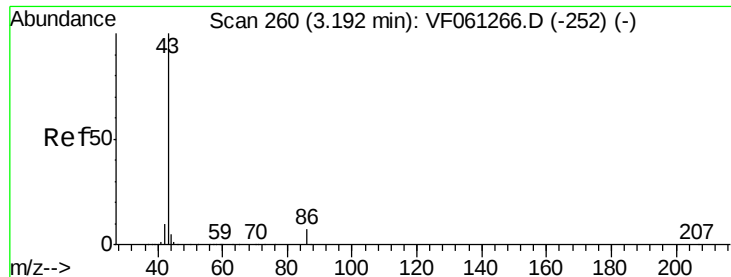
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 62.666 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

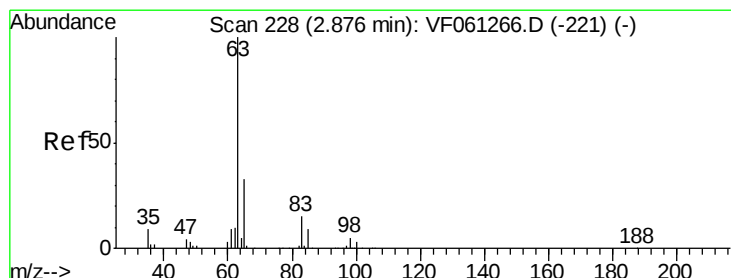
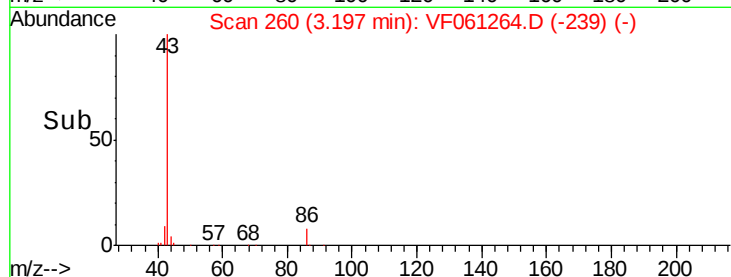
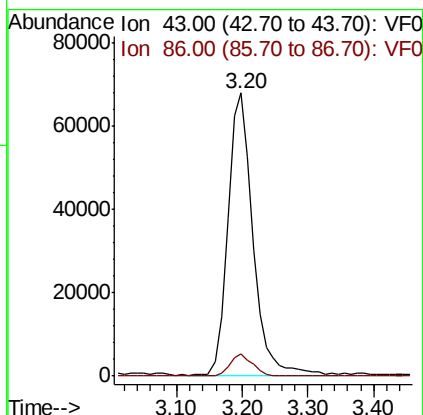
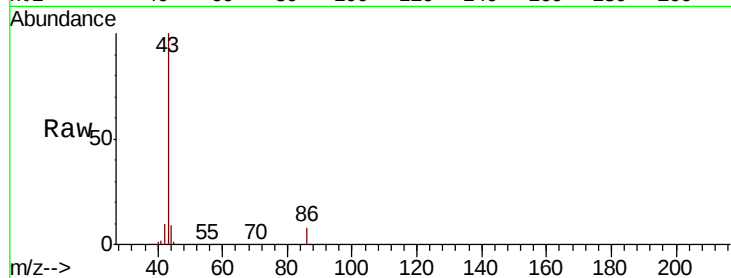
VSTDIC010

Tgt Ion: 43 Resp: 183366

Ion Ratio Lower Upper

43 100

86 8.1 6.0 9.0



#24

1,1-Dichloroethane

Concen: 11.130 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

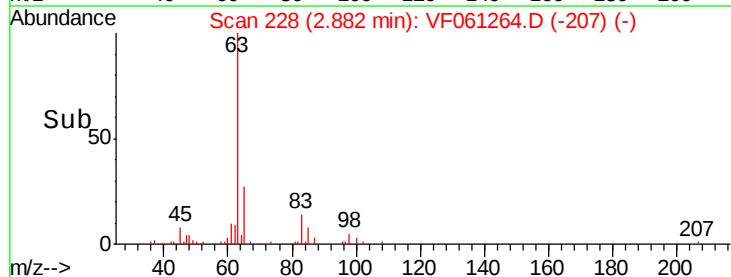
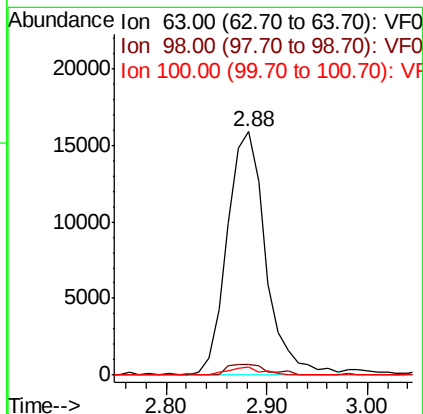
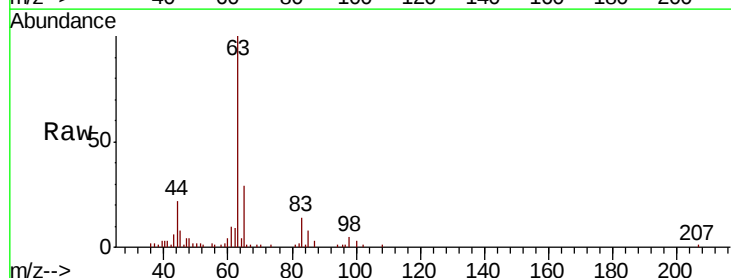
Tgt Ion: 63 Resp: 42426

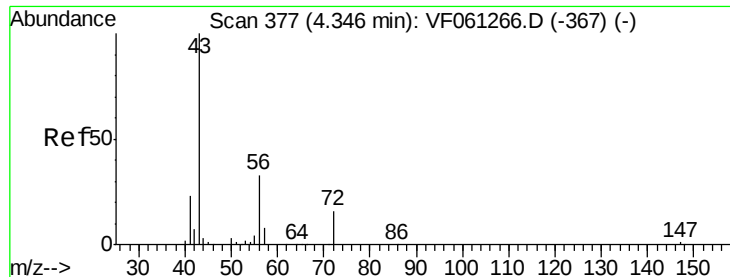
Ion Ratio Lower Upper

63 100

98 4.6 2.5 7.5

100 3.4 1.6 4.8





#25

2-Butanone

Concen: 70.935 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

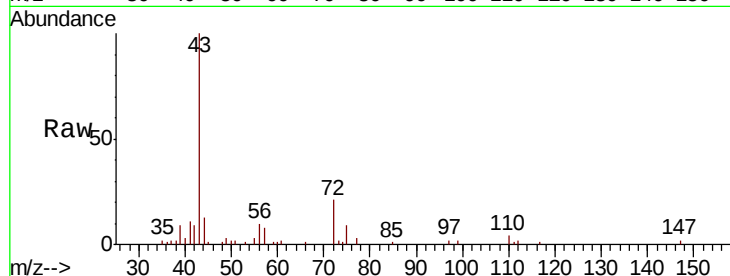
VSTDIC010

Tgt Ion: 43 Resp: 61183

Ion Ratio Lower Upper

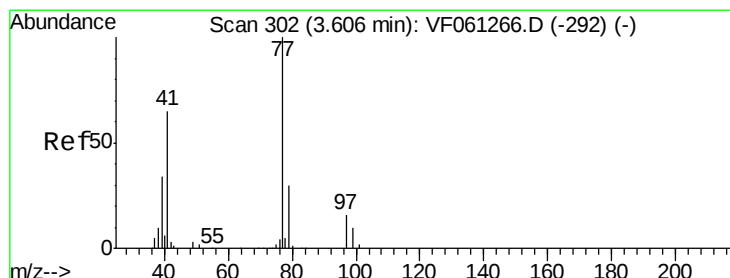
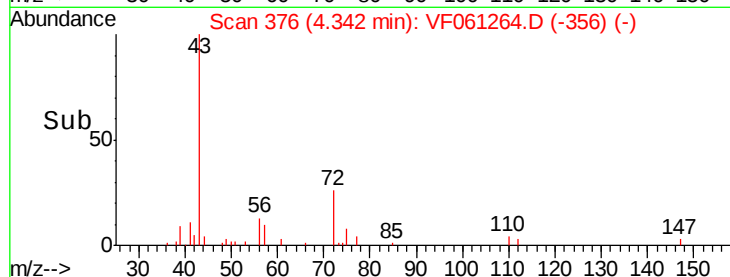
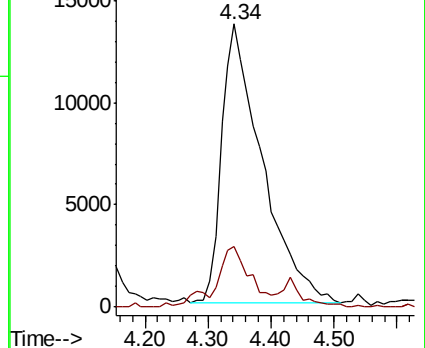
43 100

72 21.4 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 11.415 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061264.D

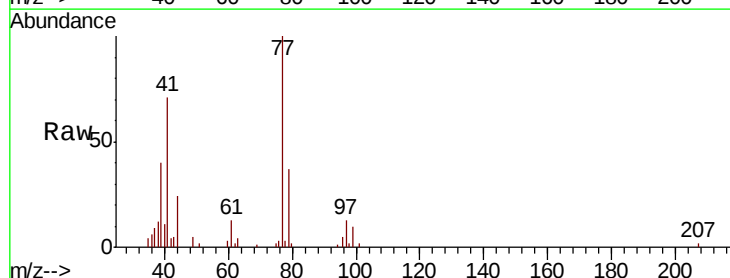
Acq: 3 Jan 2019 14:49

Tgt Ion: 77 Resp: 25138

Ion Ratio Lower Upper

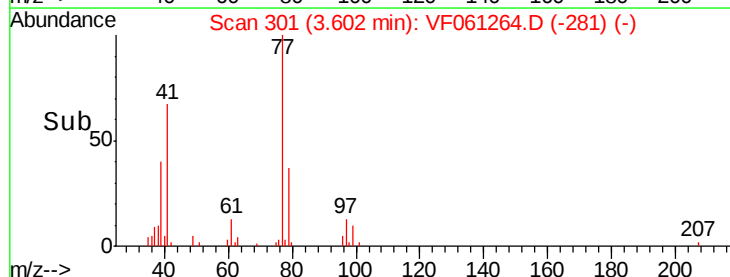
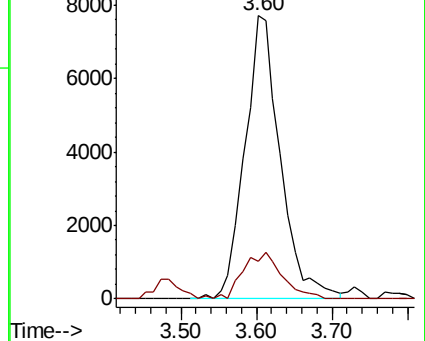
77 100

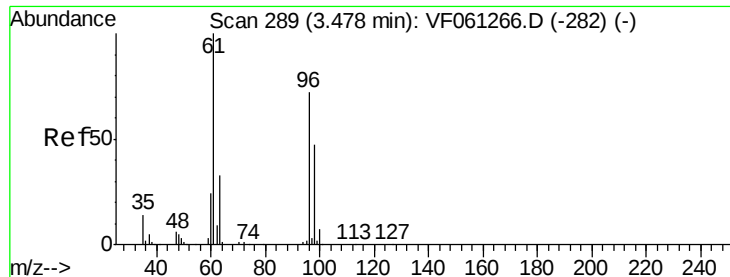
97 13.1 8.9 26.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 10.703 ug/l

RT: 3.48 min Scan# 289

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

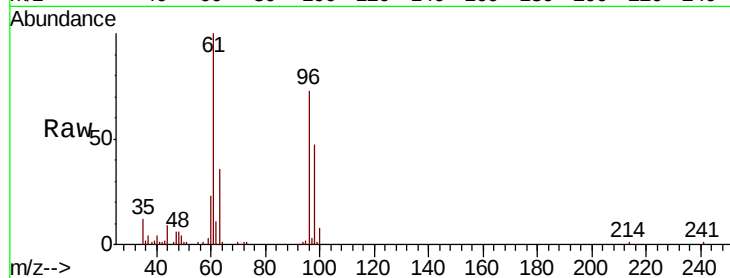
Tgt Ion: 96 Resp: 32311

Ion Ratio Lower Upper

96 100

61 136.9 0.0 277.8

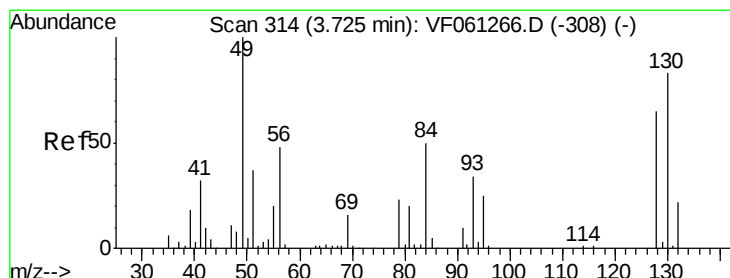
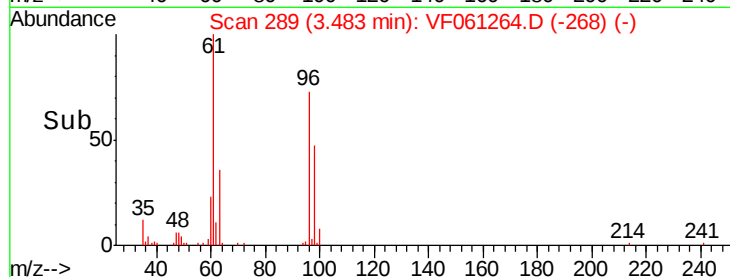
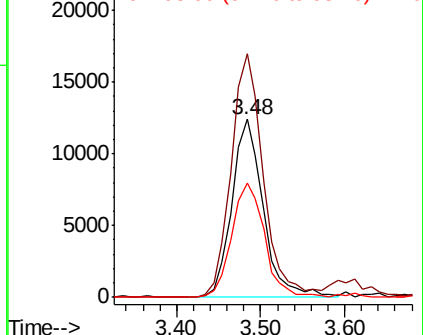
98 64.6 0.0 130.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 10.714 ug/l

RT: 3.73 min Scan# 314

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

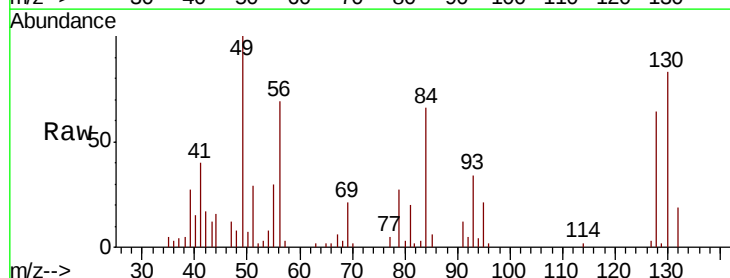
Tgt Ion: 49 Resp: 20271

Ion Ratio Lower Upper

49 100

129 2.1 0.0 5.4

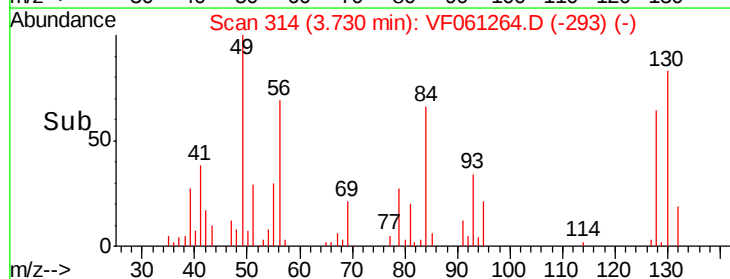
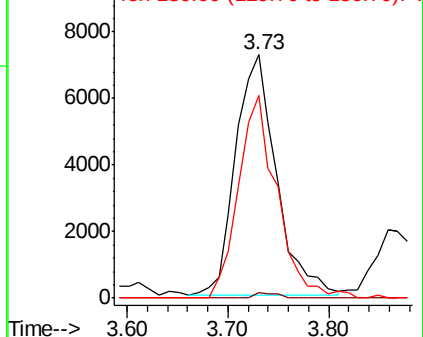
130 83.1 65.7 98.5

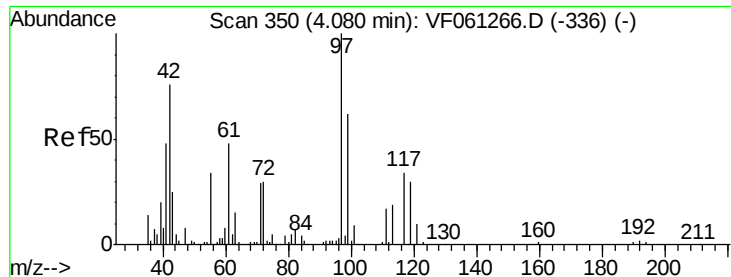


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 66.960 ug/l

RT: 4.09 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

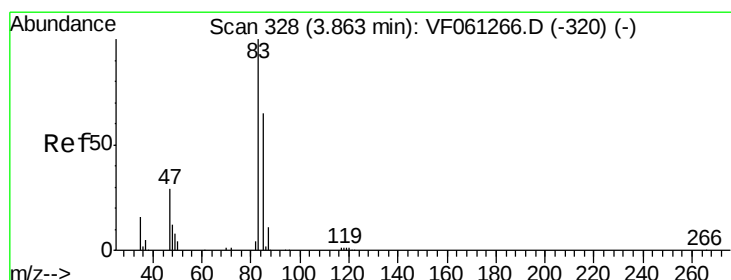
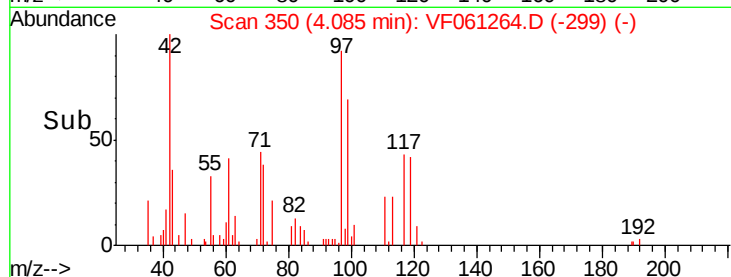
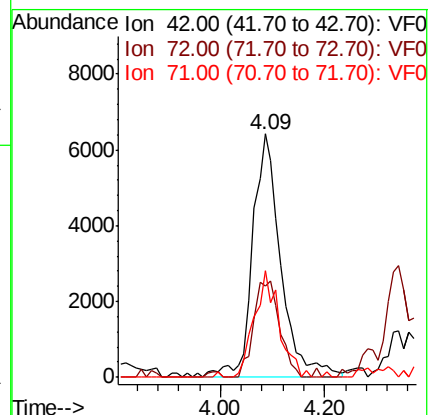
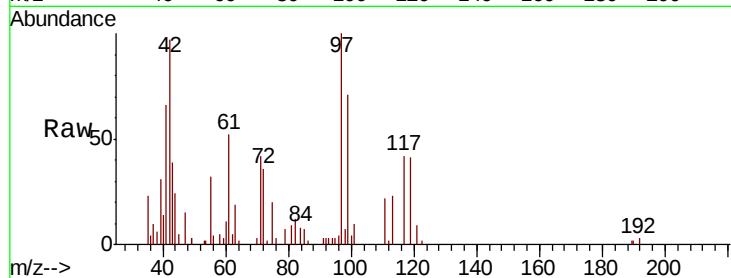
Tgt Ion: 42 Resp: 23559

Ion Ratio Lower Upper

42 100

72 36.2 29.2 43.8

71 38.2 29.1 43.7



#30

Chloroform

Concen: 10.586 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF061264.D

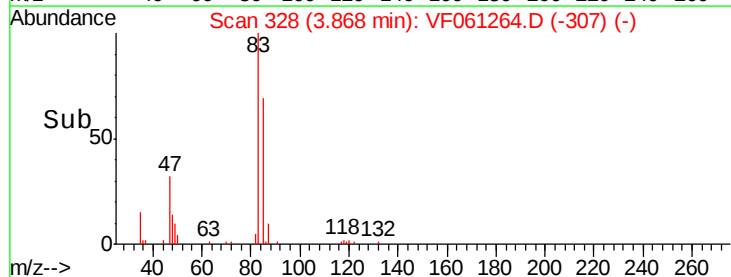
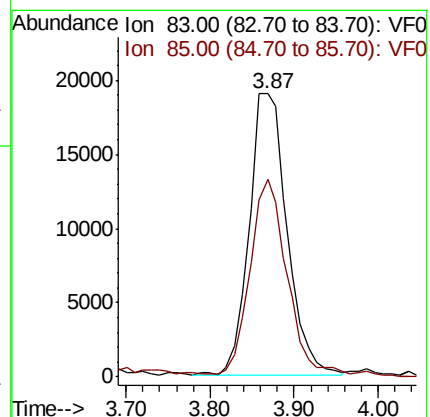
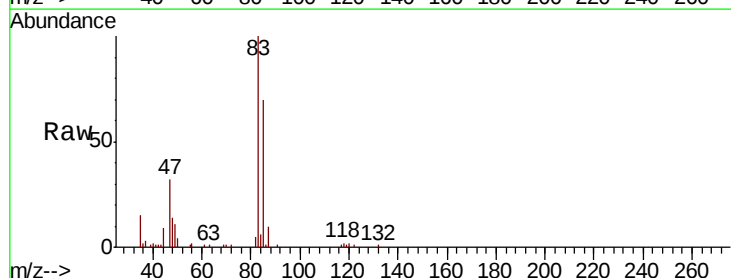
Acq: 3 Jan 2019 14:49

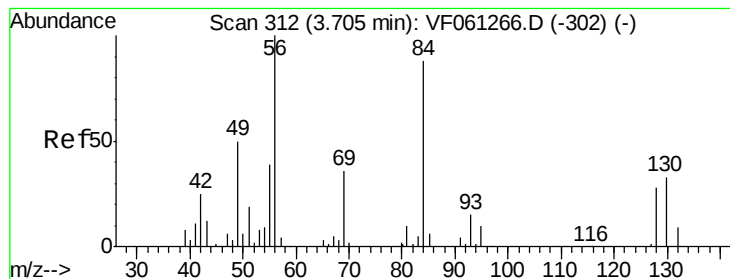
Tgt Ion: 83 Resp: 59714

Ion Ratio Lower Upper

83 100

85 70.0 52.2 78.4





#31

Cyclohexane

Concen: 11.682 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

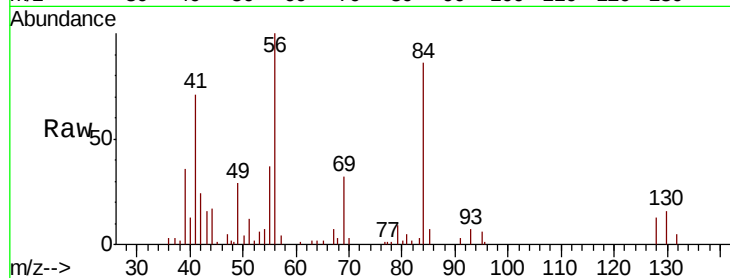
Tgt Ion: 56 Resp: 46646

Ion Ratio Lower Upper

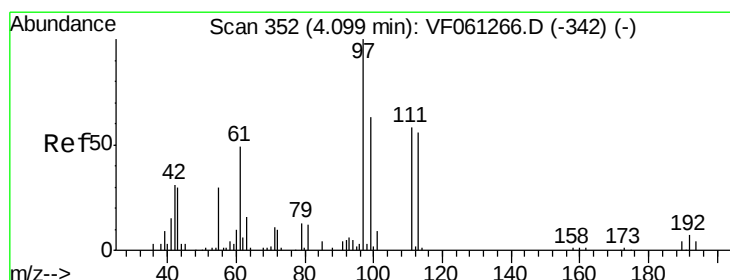
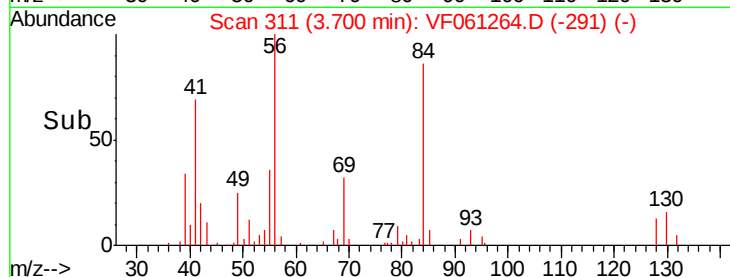
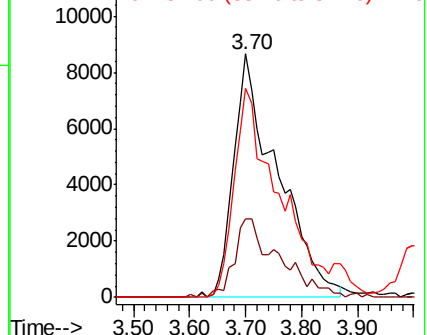
56 100

69 32.1 28.7 43.1

84 85.9 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 12.365 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

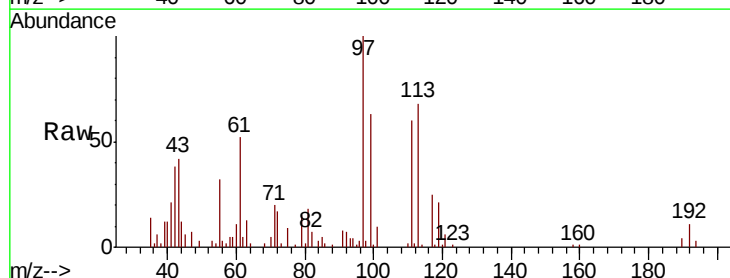
Tgt Ion: 97 Resp: 43529

Ion Ratio Lower Upper

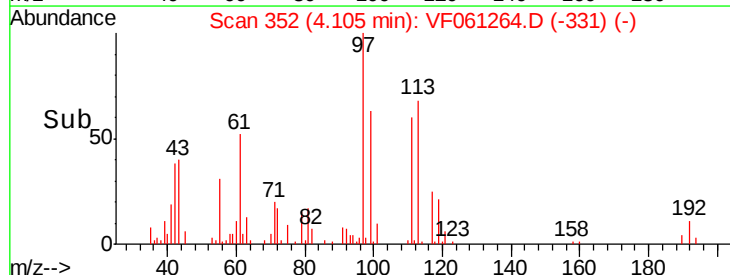
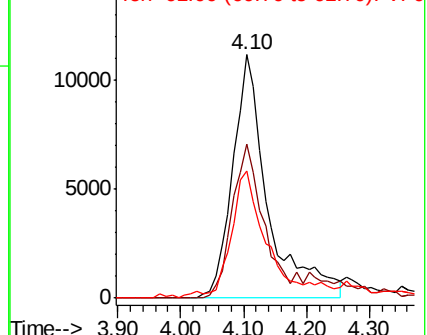
97 100

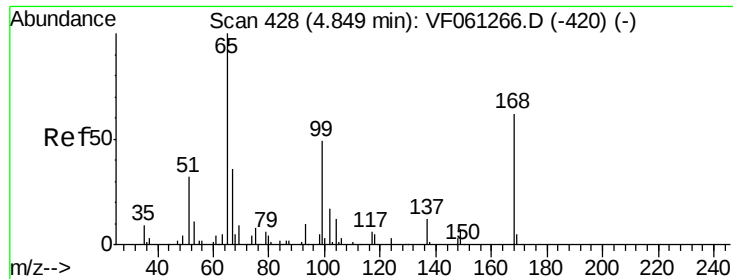
99 63.2 50.6 76.0

61 52.4 39.6 59.4



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

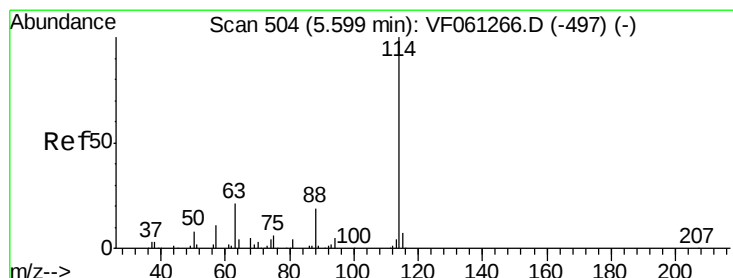
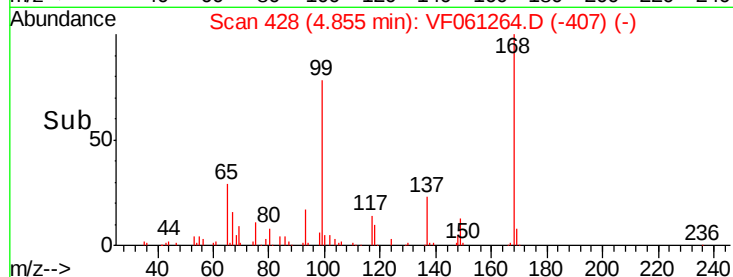
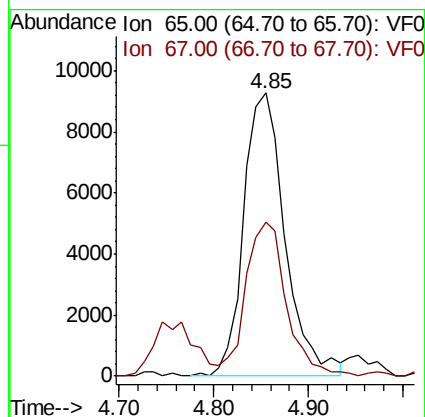
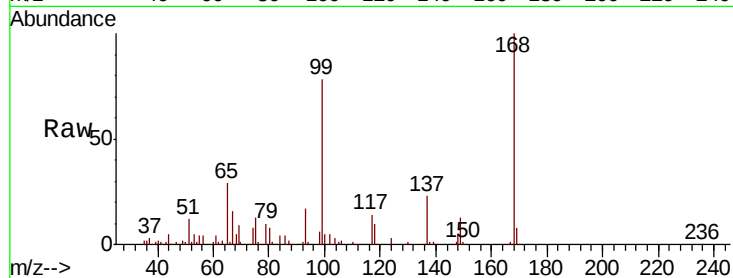




#33
 1,2-Dichloroethane-d4
 Concen: 10.610 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

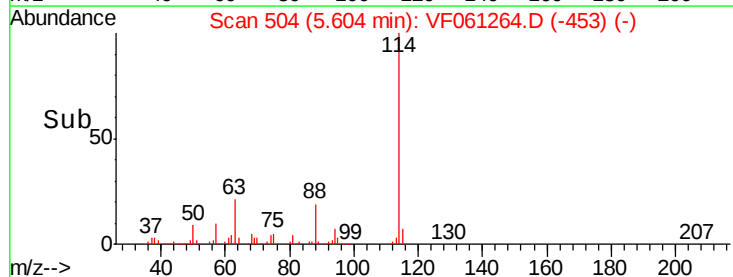
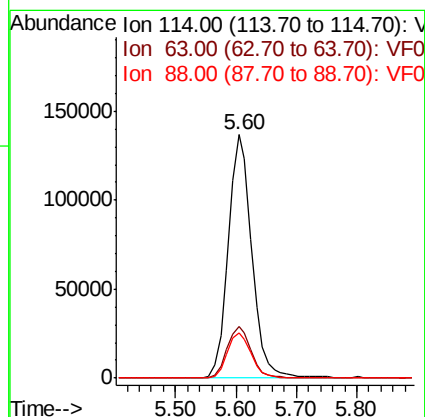
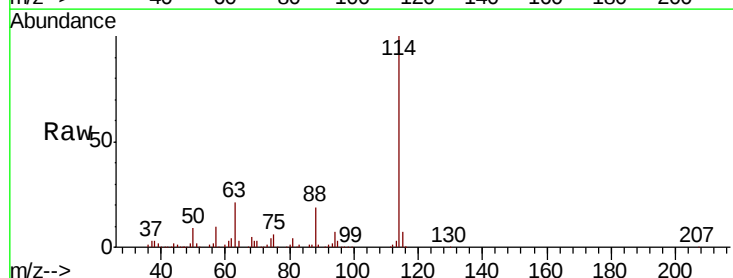
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

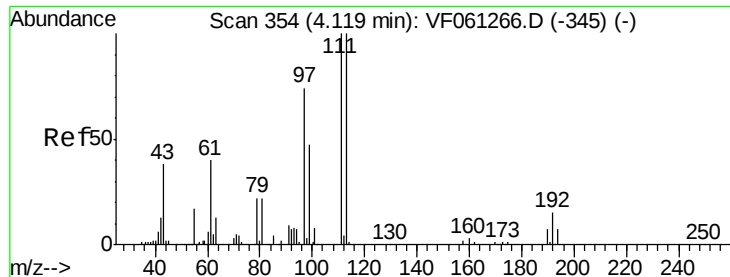
Tgt Ion: 65 Resp: 28248
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 90.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion: 114 Resp: 370302
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.8
 88 18.5 0.0 38.4





#35

Dibromofluoromethane

Concen: 10.290 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

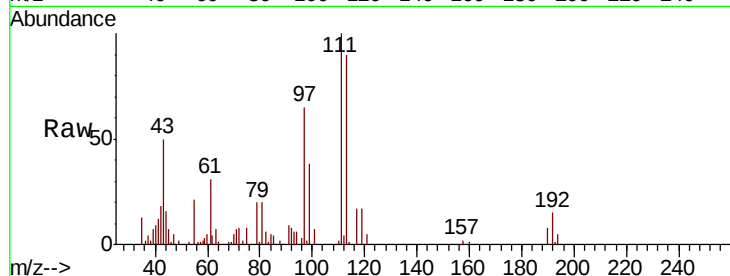
Tgt Ion:113 Resp: 30445

Ion Ratio Lower Upper

113 100

111 111.3 79.8 119.6

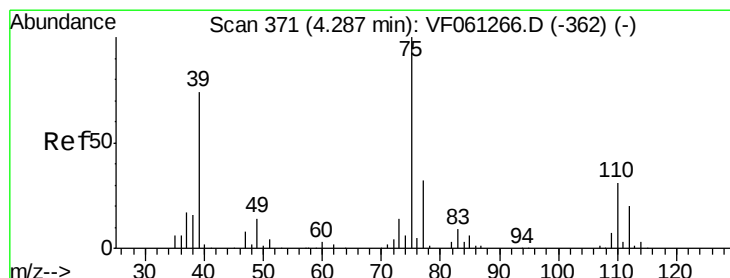
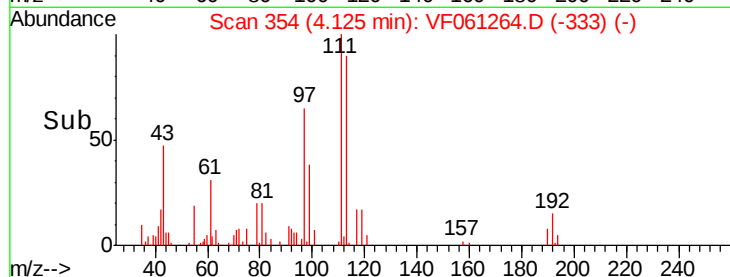
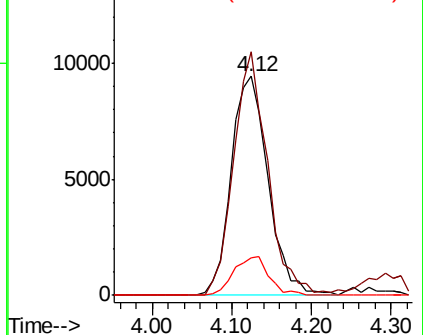
192 17.0 11.9 17.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 9.776 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

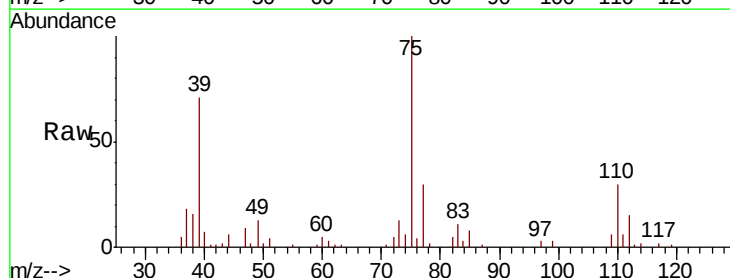
Tgt Ion: 75 Resp: 43783

Ion Ratio Lower Upper

75 100

110 29.9 15.4 46.4

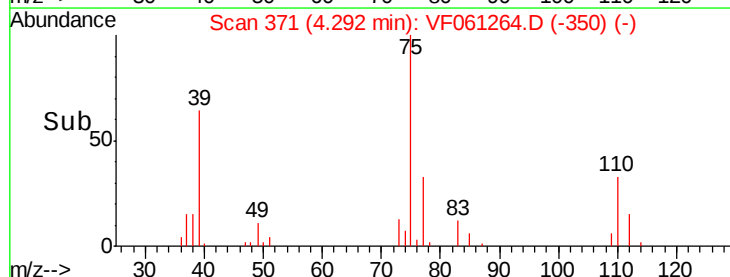
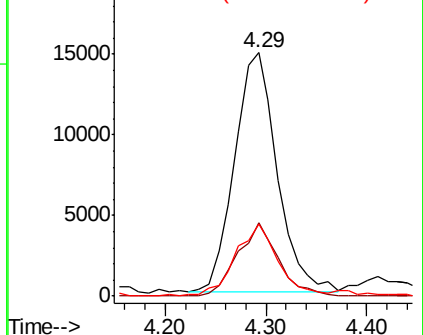
77 29.6 25.6 38.4

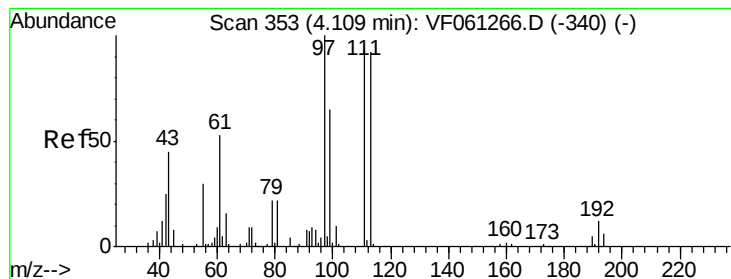


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 10.828 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

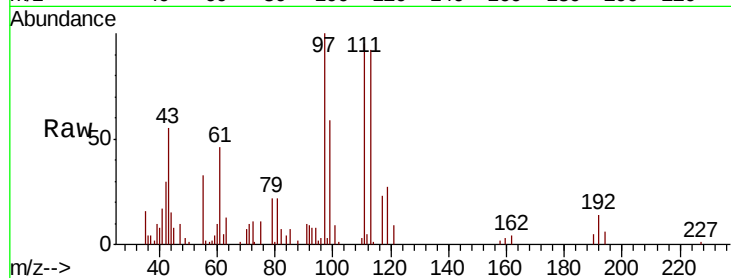
Tgt Ion: 43 Resp: 19580

Ion Ratio Lower Upper

43 100

61 82.4 91.2 136.8#

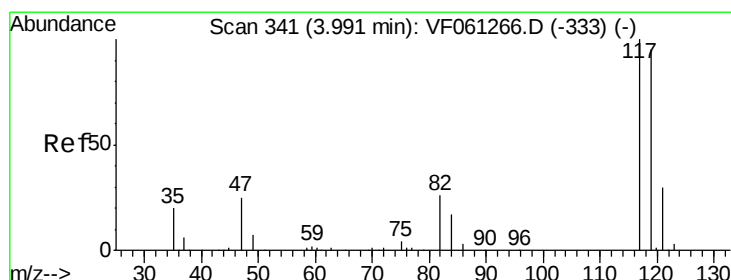
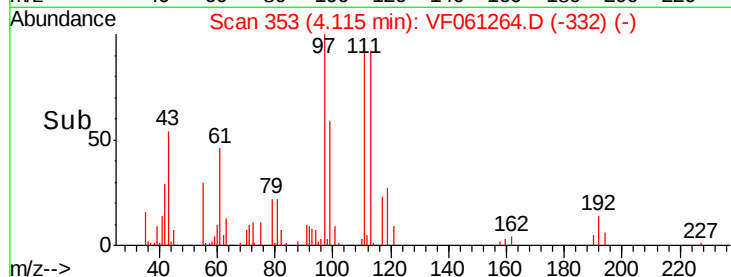
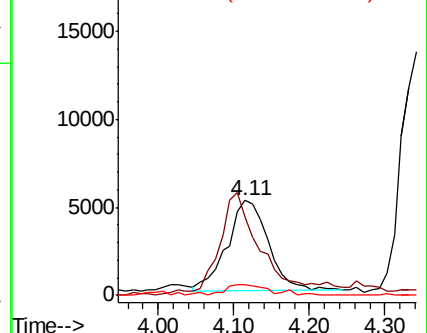
70 11.9 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 10.619 ug/l

RT: 4.01 min Scan# 342

Delta R.T. 0.02 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

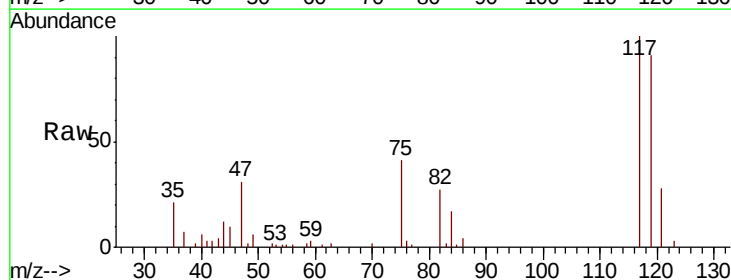
Tgt Ion: 117 Resp: 36682

Ion Ratio Lower Upper

117 100

119 90.8 76.0 114.0

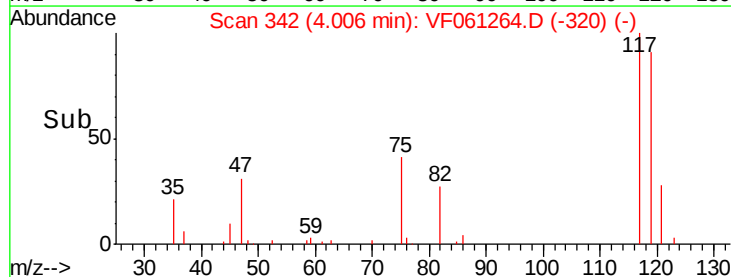
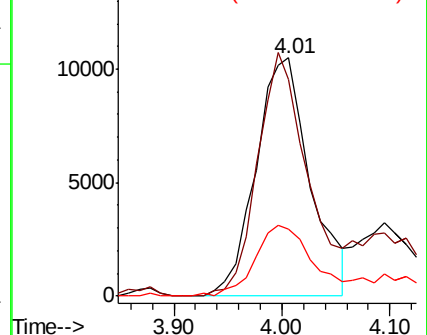
121 28.0 23.8 35.8

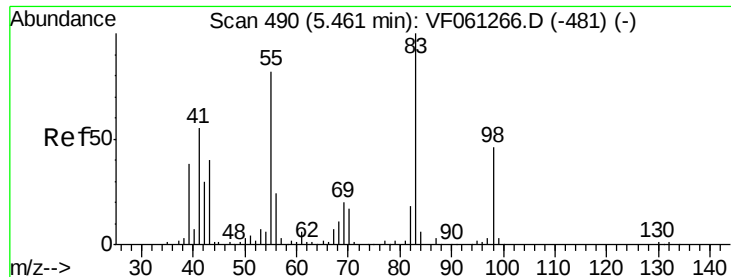


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

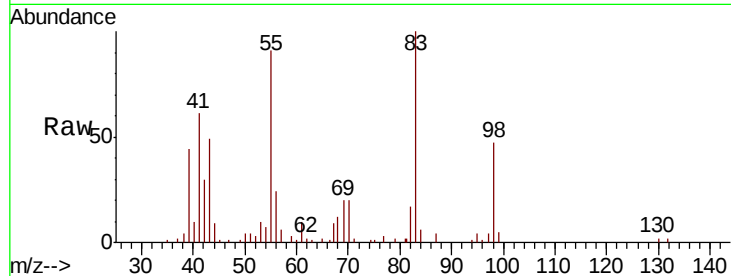




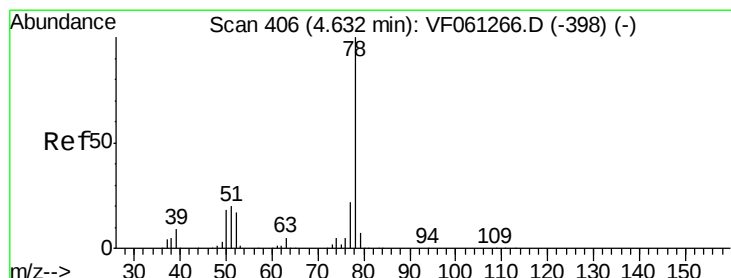
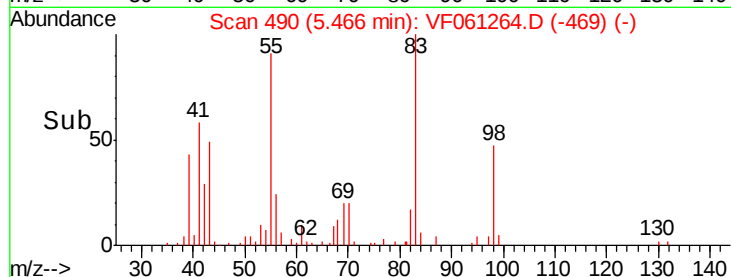
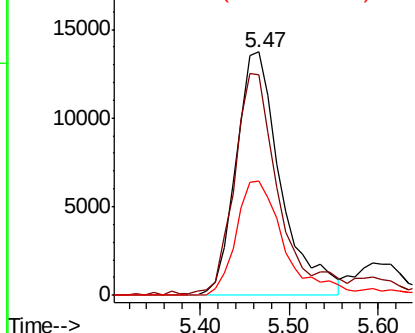
#39
Methylcyclohexane
Concen: 11.662 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 47987
Ion Ratio Lower Upper
83 100
55 90.7 65.6 98.4
98 47.2 36.7 55.1

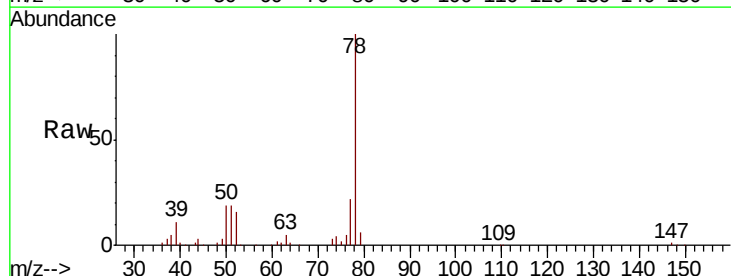


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

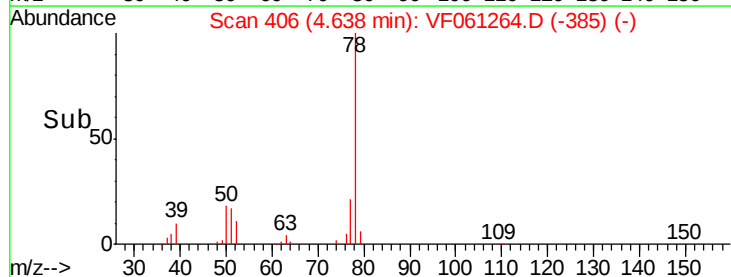
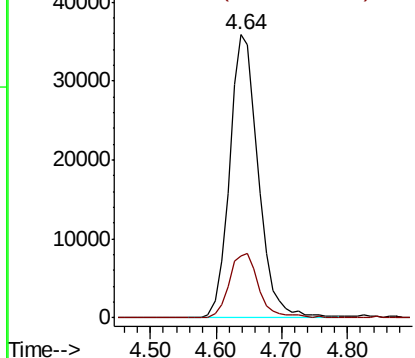


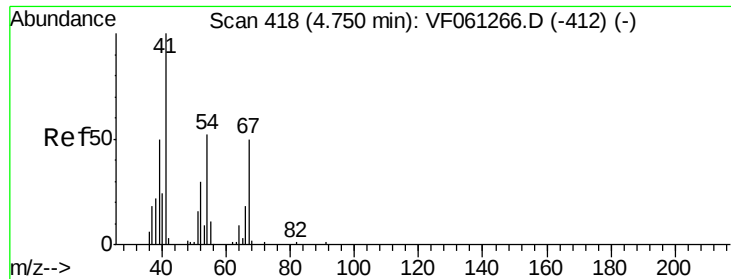
#40
Benzene
Concen: 11.308 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 78 Resp: 109654
Ion Ratio Lower Upper
78 100
77 21.8 18.0 27.0



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 12.785 ug/l

RT: 4.76 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 11848

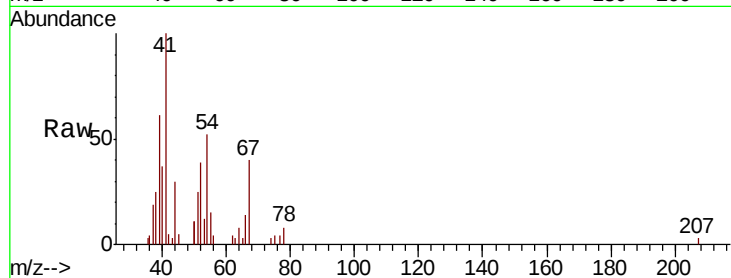
Ion Ratio Lower Upper

41 100

39 61.2 44.6 66.8

67 39.8 39.3 58.9

52 38.8 35.3 52.9

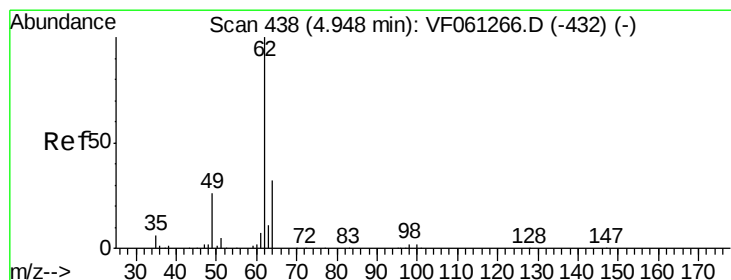
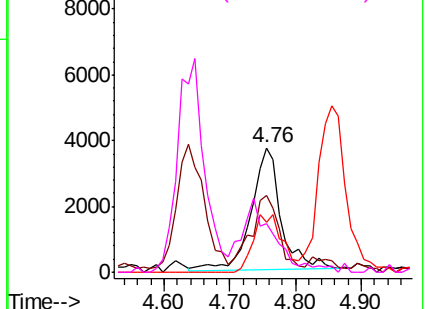
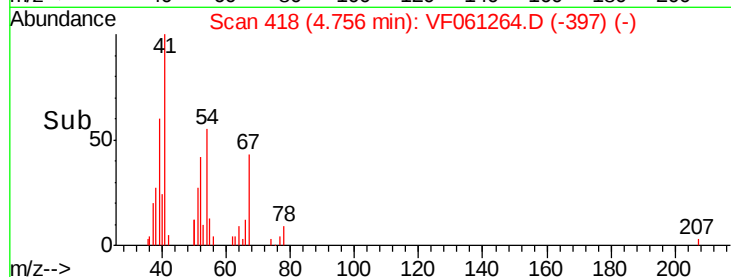


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 9.656 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.01 min

Lab File: VF061264.D

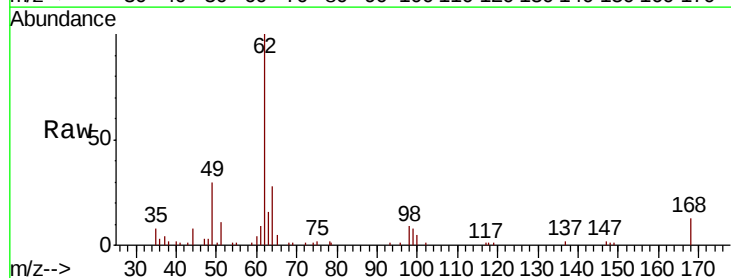
Acq: 3 Jan 2019 14:49

Tgt Ion: 62 Resp: 34411

Ion Ratio Lower Upper

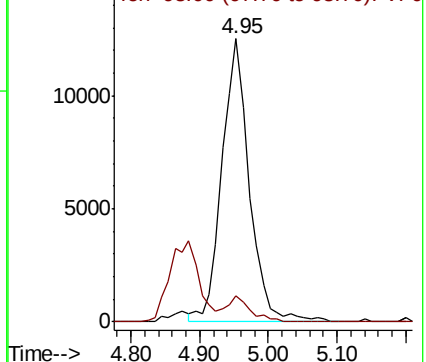
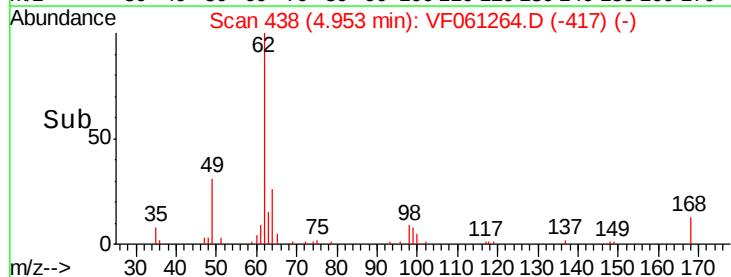
62 100

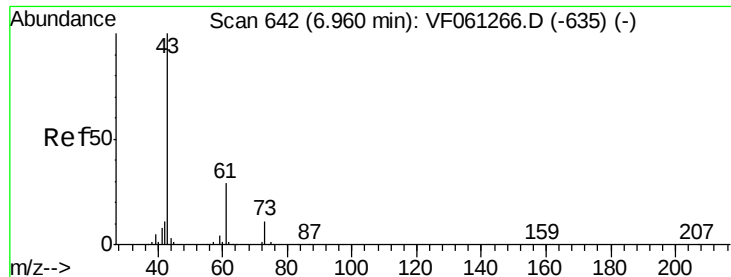
98 9.3 0.0 13.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

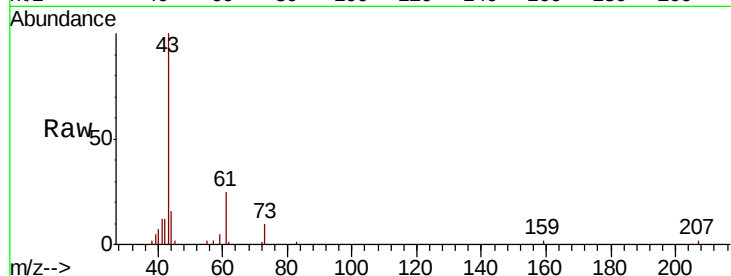




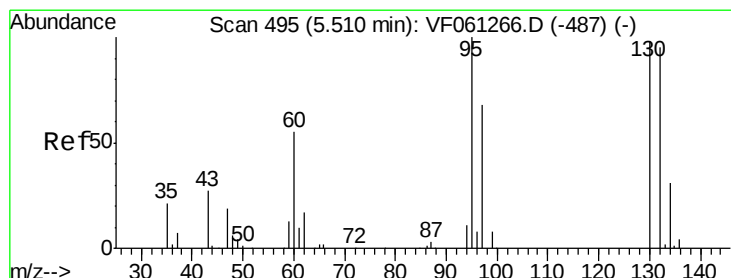
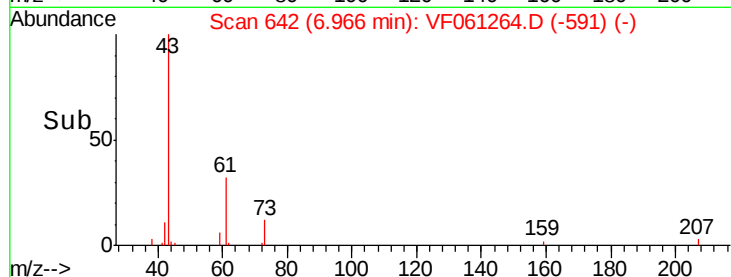
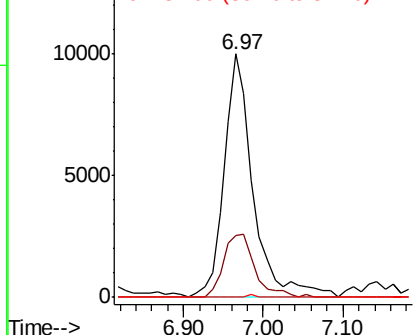
#43
Isopropyl Acetate
Concen: 11.765 ug/l
RT: 6.97 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 25401
Ion Ratio Lower Upper
43 100
61 25.4 23.4 35.2
87 0.0 0.3 0.5#

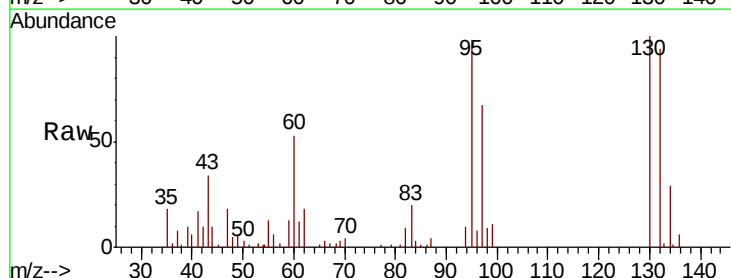


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

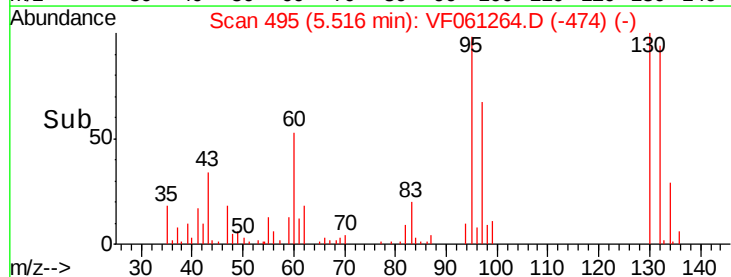
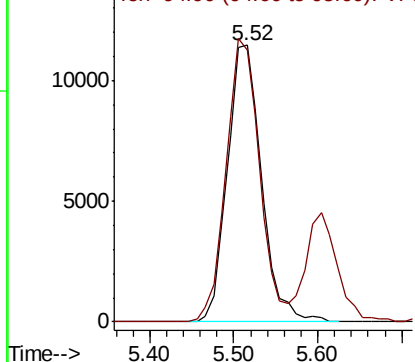


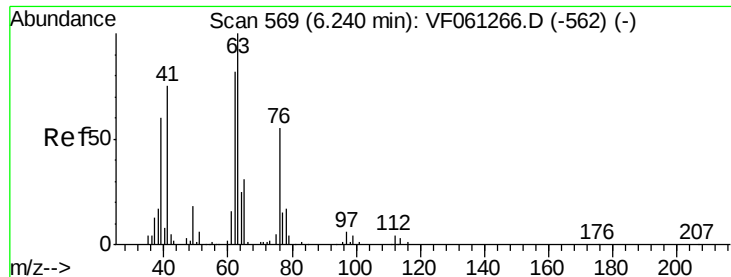
#44
Trichloroethene
Concen: 10.755 ug/l
RT: 5.52 min Scan# 495
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 130 Resp: 32393
Ion Ratio Lower Upper
130 100
95 98.3 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: 9.777 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

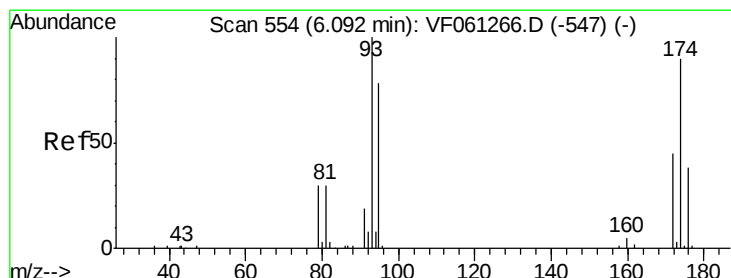
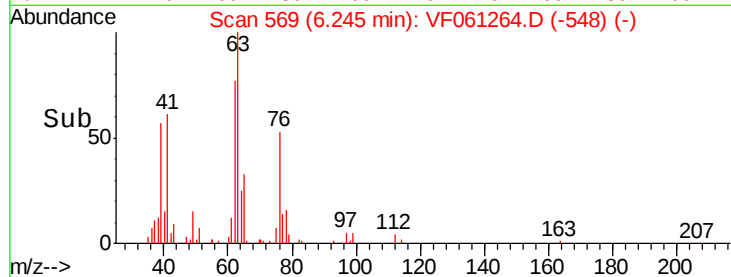
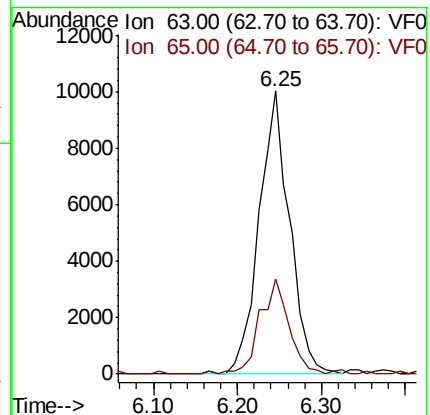
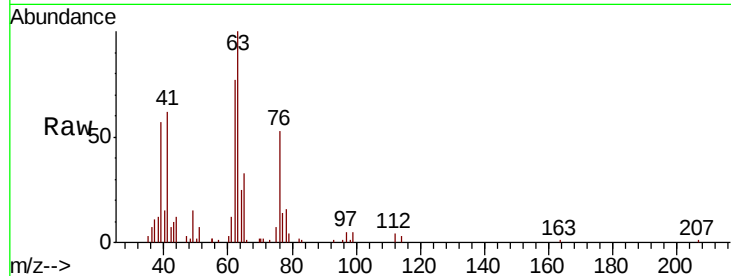
VSTDIC010

Tgt Ion: 63 Resp: 25640

Ion Ratio Lower Upper

63 100

65 33.5 24.4 36.6



#46

Dibromomethane

Concen: 10.107 ug/l

RT: 6.10 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

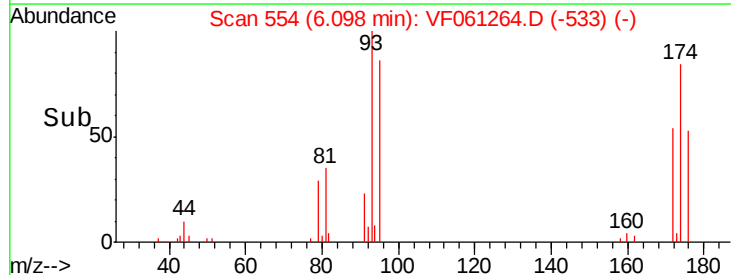
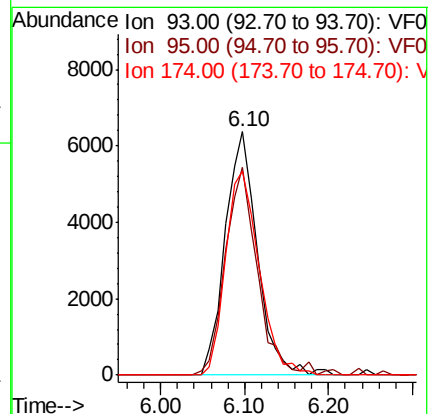
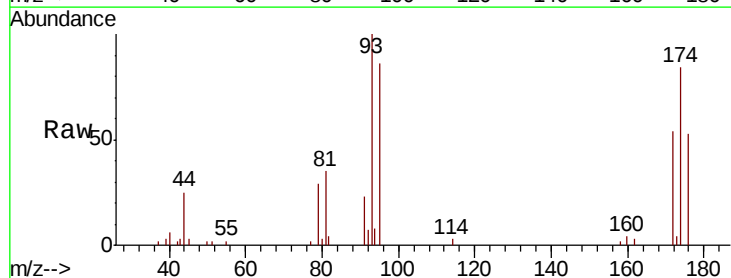
Tgt Ion: 93 Resp: 16930

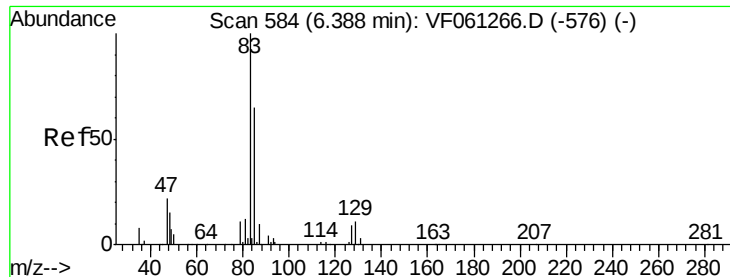
Ion Ratio Lower Upper

93 100

95 85.6 62.4 93.6

174 83.9 71.9 107.9





#47

Bromodichloromethane

Concen: 10.059 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

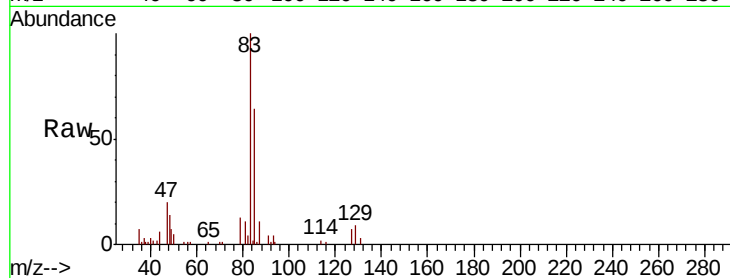
Tgt Ion: 83 Resp: 43615

Ion Ratio Lower Upper

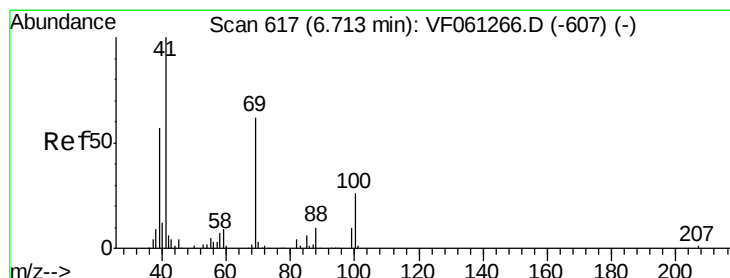
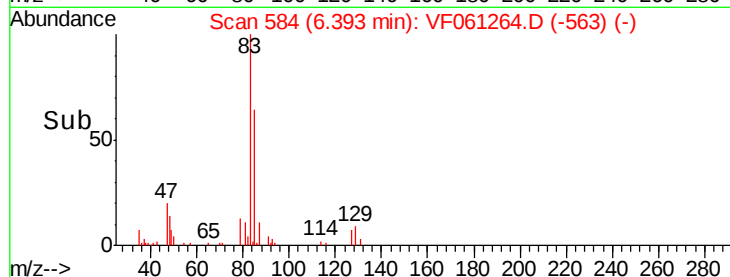
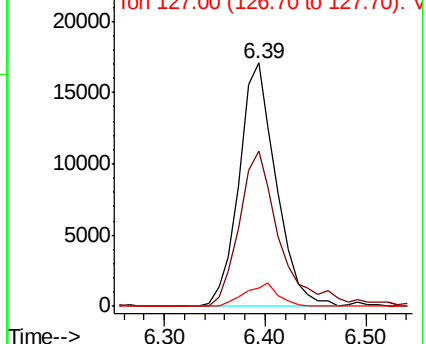
83 100

85 63.6 52.1 78.1

127 7.4 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 10.437 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.02 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

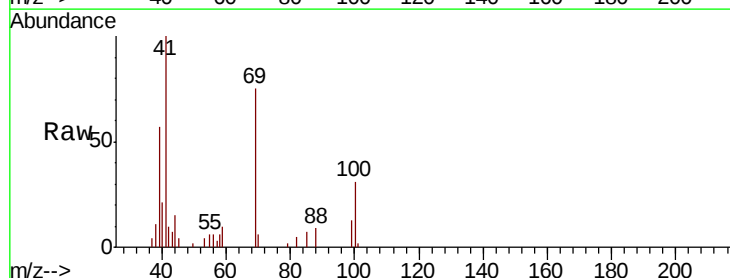
Tgt Ion: 41 Resp: 15723

Ion Ratio Lower Upper

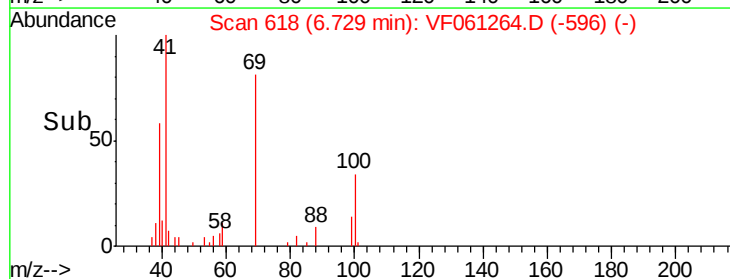
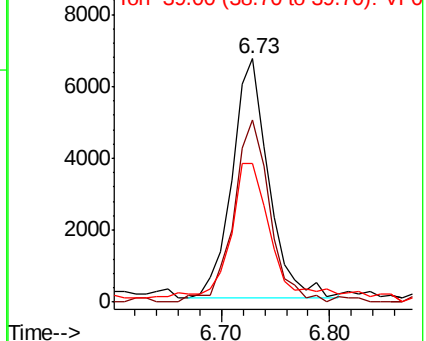
41 100

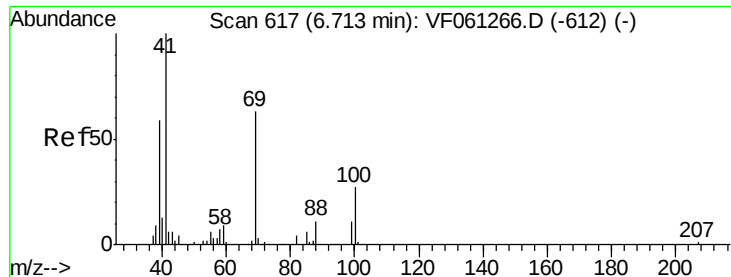
69 74.8 49.8 74.8

39 56.7 46.4 69.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 197.125 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

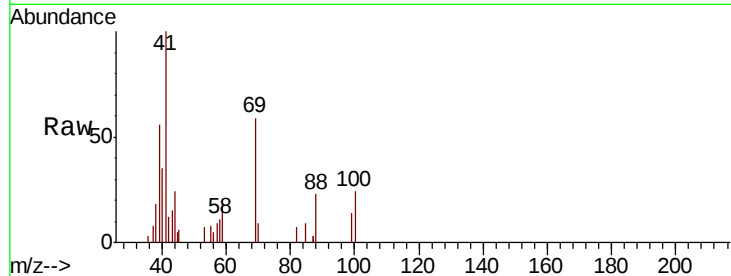
Tgt Ion: 88 Resp: 2117

Ion Ratio Lower Upper

88 100

43 62.8 55.2 82.8

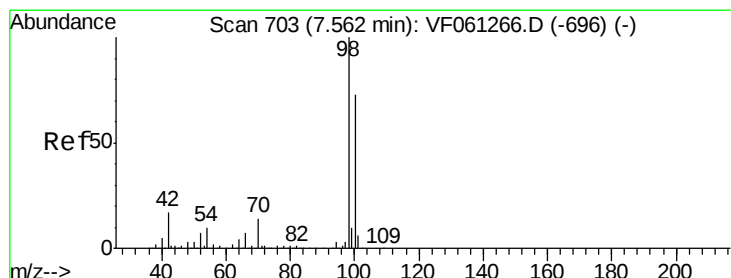
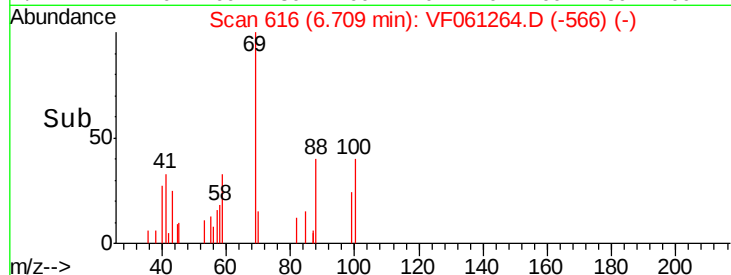
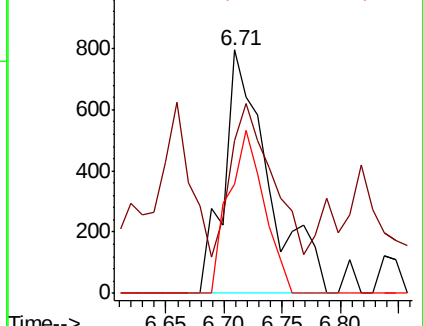
58 45.0 50.9 76.3#



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: 10.792 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061264.D

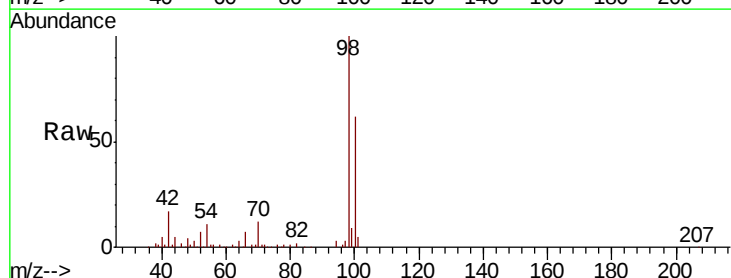
Acq: 3 Jan 2019 14:49

Tgt Ion: 98 Resp: 91010

Ion Ratio Lower Upper

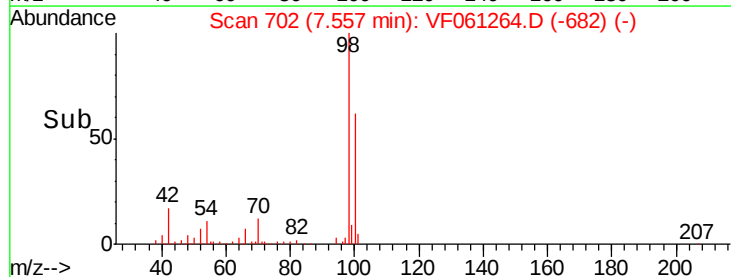
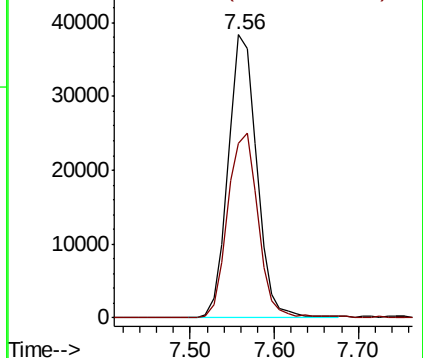
98 100

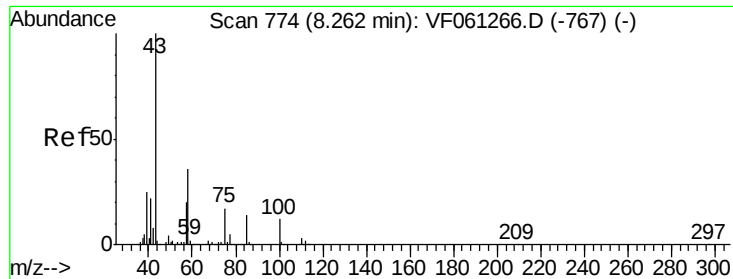
100 61.5 58.1 87.1



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

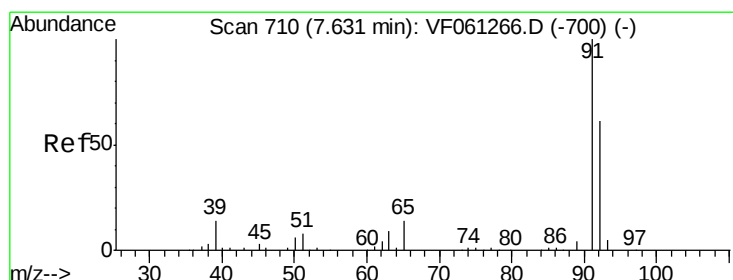
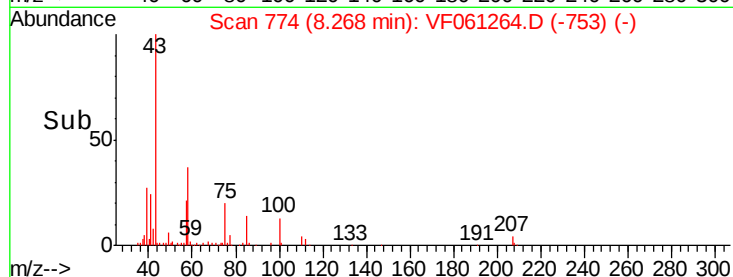
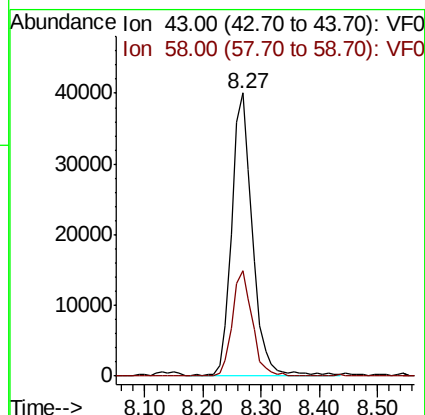
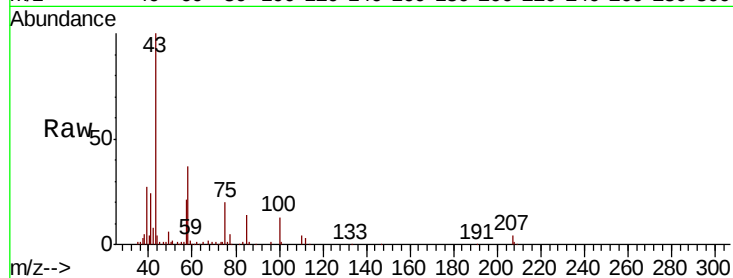




#51
 4-Methyl-2-Pentanone
 Concen: 67.590 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

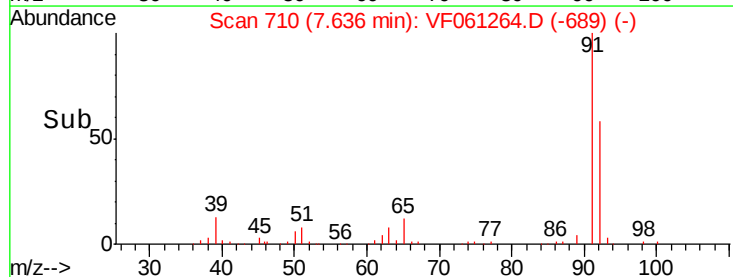
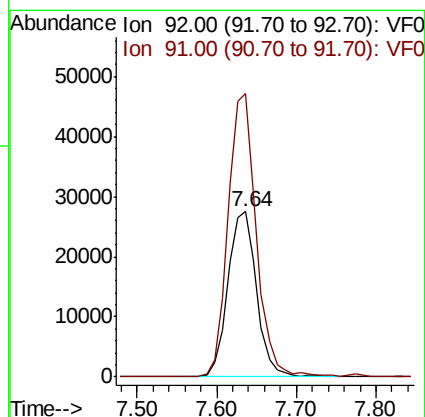
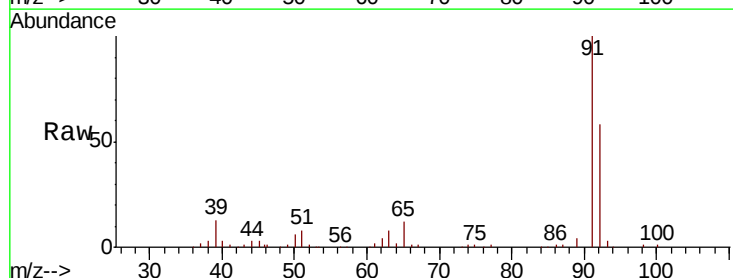
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

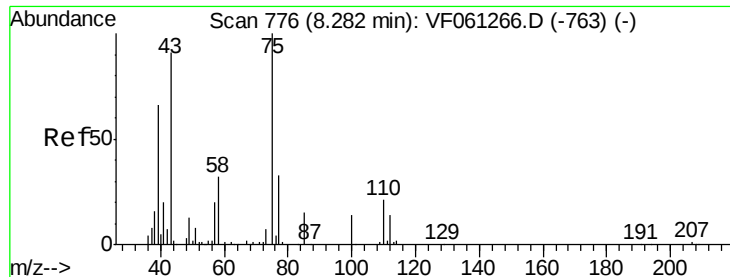
Tgt Ion: 43 Resp: 99797
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.1 43.7



#52
 Toluene
 Concen: 10.893 ug/l
 RT: 7.64 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion: 92 Resp: 69818
 Ion Ratio Lower Upper
 92 100
 91 171.5 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 10.356 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

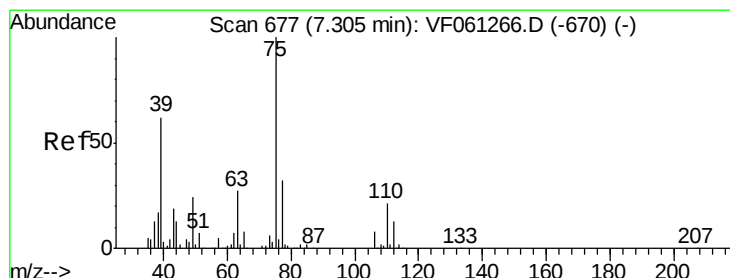
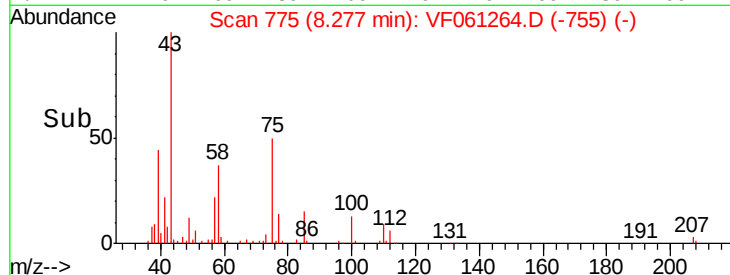
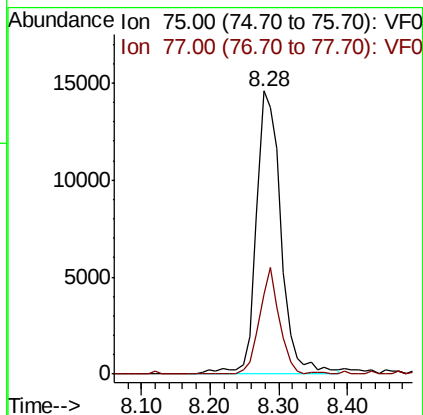
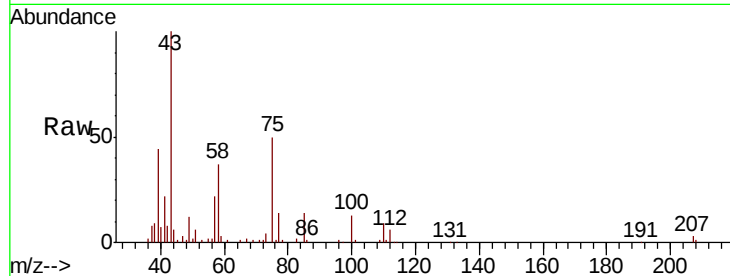
VSTDIC010

Tgt Ion: 75 Resp: 36596

Ion Ratio Lower Upper

75 100

77 28.2 26.8 40.2



#54

cis-1,3-Dichloropropene

Concen: 10.182 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

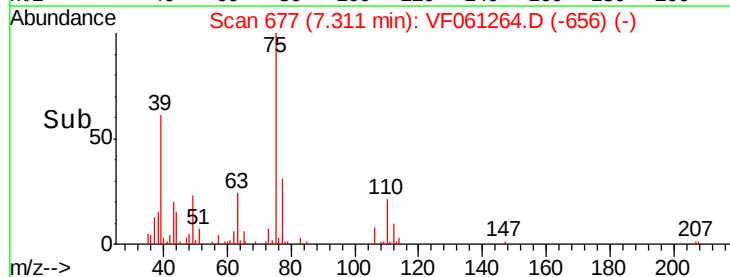
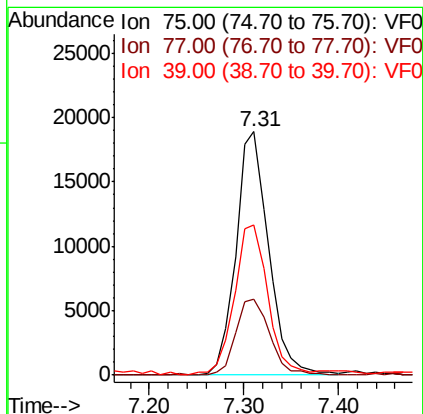
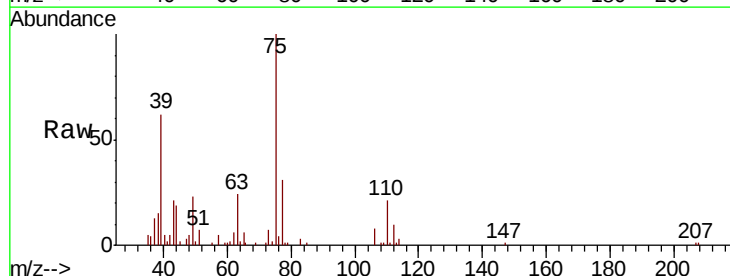
Tgt Ion: 75 Resp: 45236

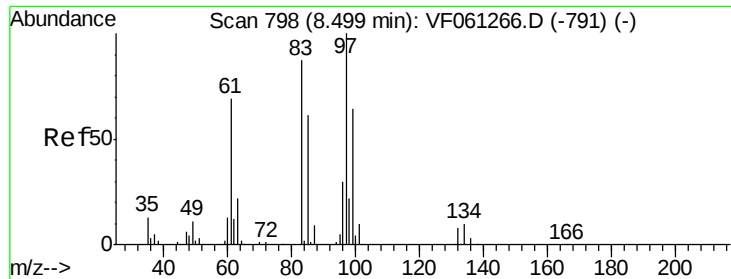
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2

39 61.9 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 10.106 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 19245

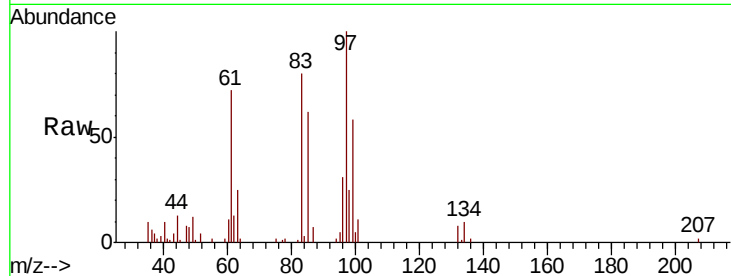
Ion Ratio Lower Upper

97 100

83 80.0 69.7 104.5

85 61.6 49.1 73.7

99 57.7 51.3 76.9

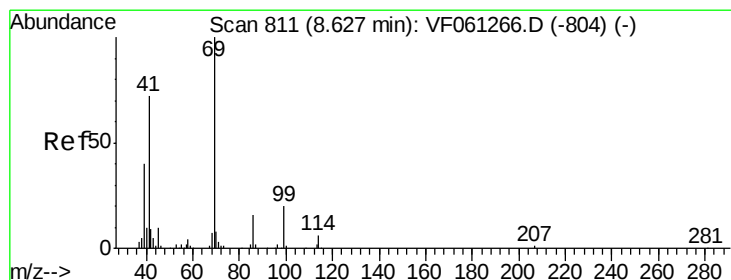
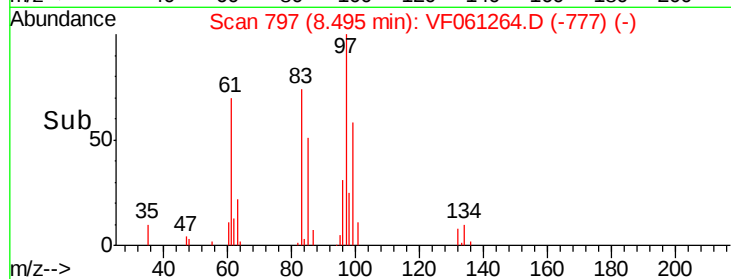
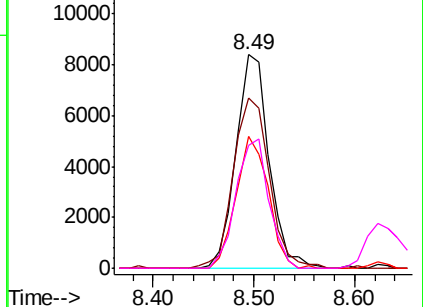


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 10.538 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

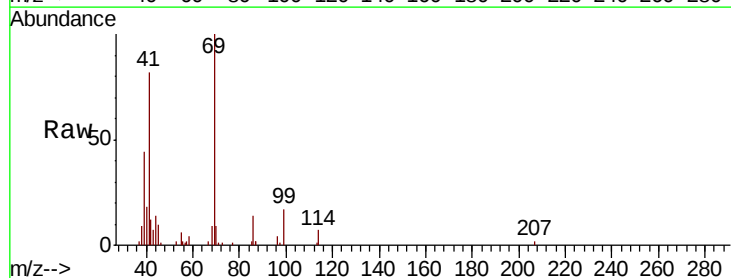
Tgt Ion: 69 Resp: 21673

Ion Ratio Lower Upper

69 100

41 81.8 58.1 87.1

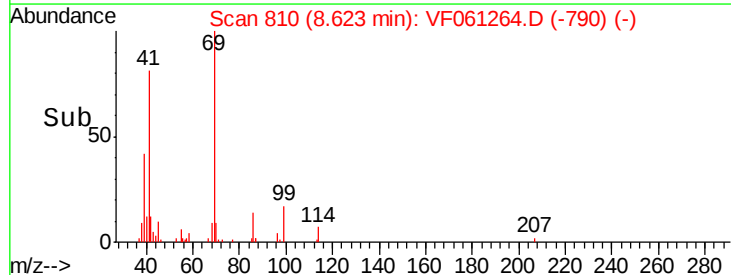
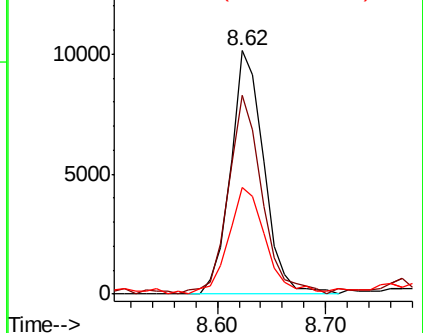
39 43.8 32.6 49.0

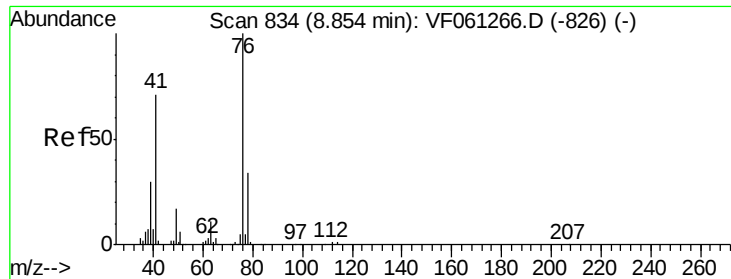


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 11.062 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

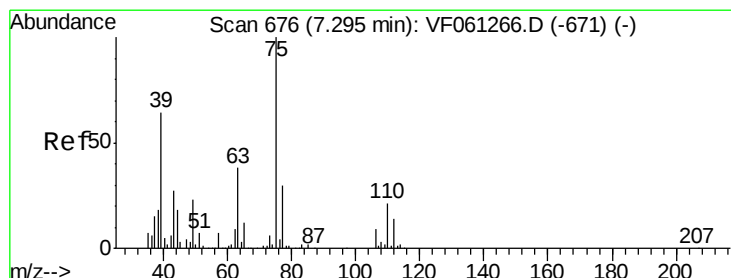
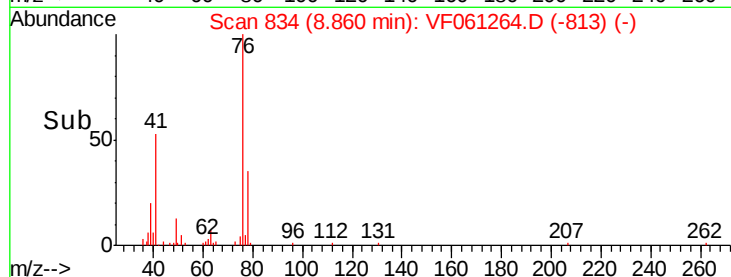
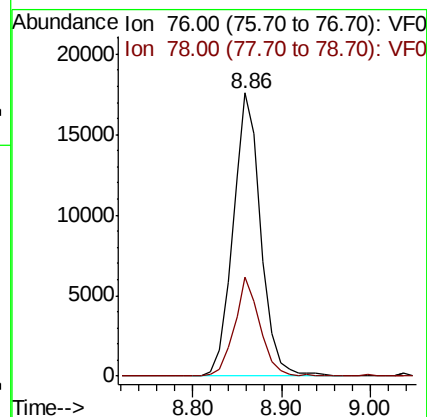
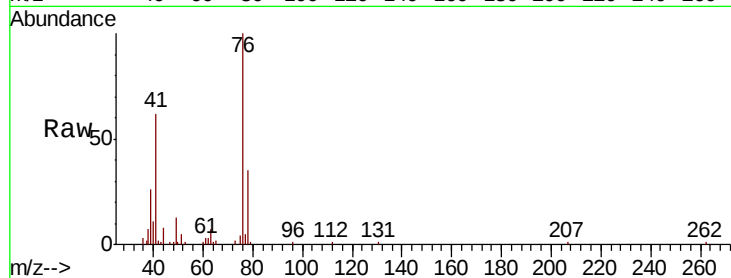
VSTDIC010

Tgt Ion: 76 Resp: 38192

Ion Ratio Lower Upper

76 100

78 34.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 32.611 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061264.D

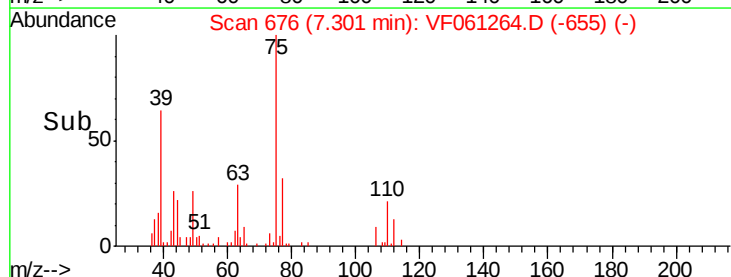
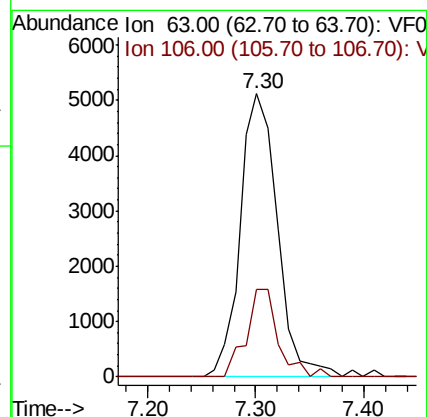
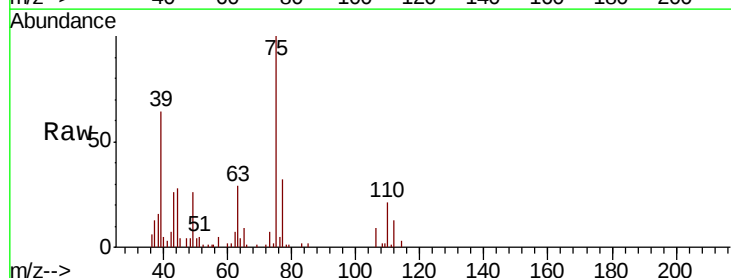
Acq: 3 Jan 2019 14:49

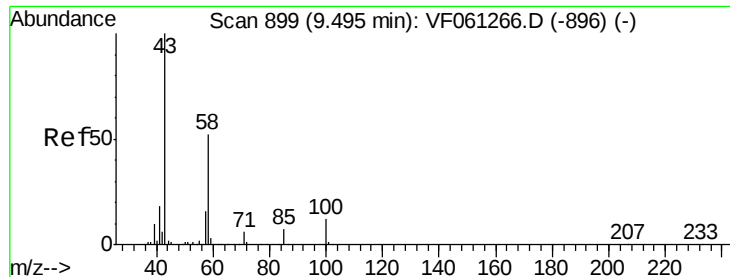
Tgt Ion: 63 Resp: 12226

Ion Ratio Lower Upper

63 100

106 30.8 19.2 28.8#

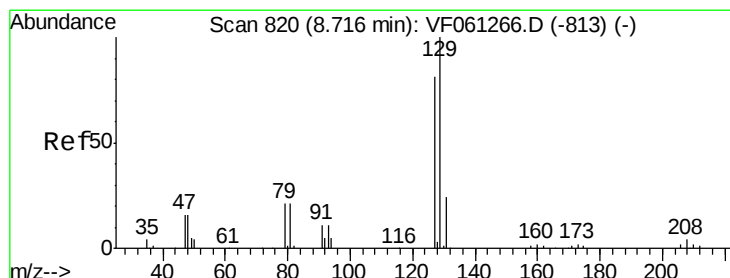
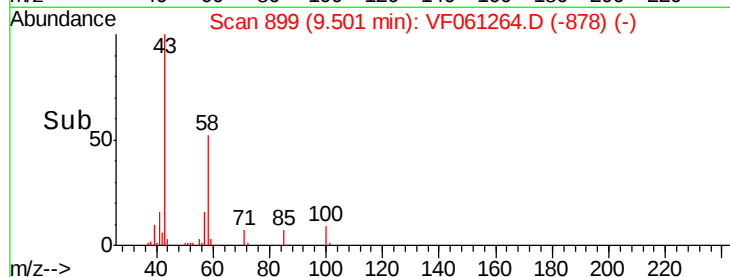
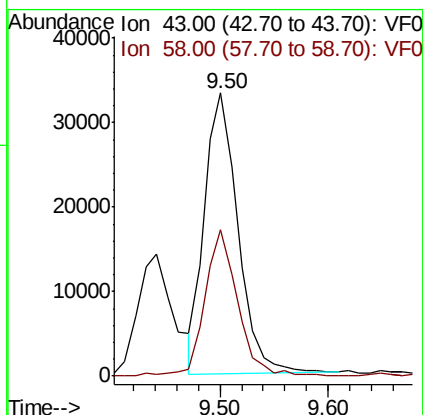
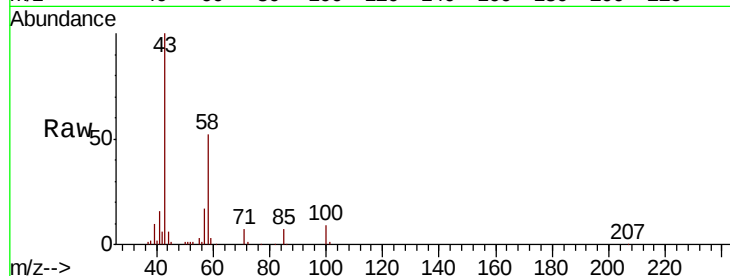




#59
2-Hexanone
Concen: 66.924 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

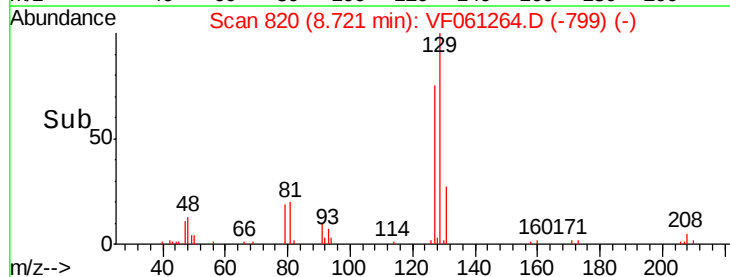
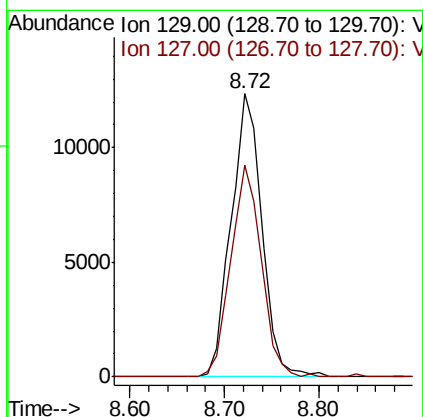
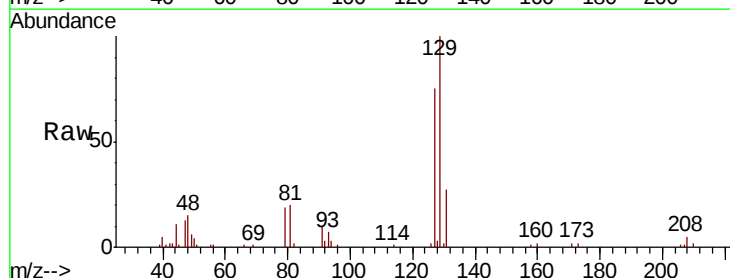
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

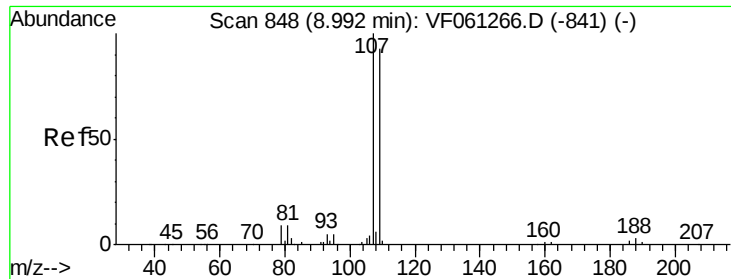
Tgt Ion: 43 Resp: 71035
Ion Ratio Lower Upper
43 100
58 51.7 24.4 73.4



#60
Dibromochloromethane
Concen: 10.348 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 129 Resp: 27815
Ion Ratio Lower Upper
129 100
127 74.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 10.079 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

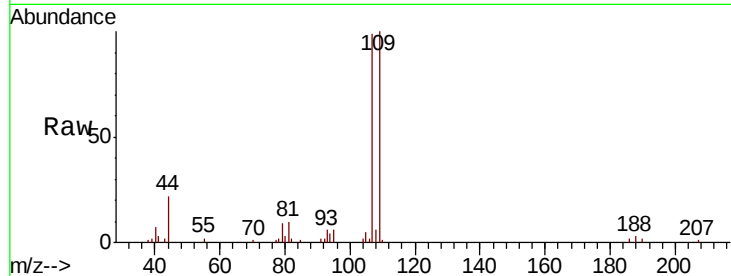
VSTDIC010

Tgt Ion:107 Resp: 20414

Ion Ratio Lower Upper

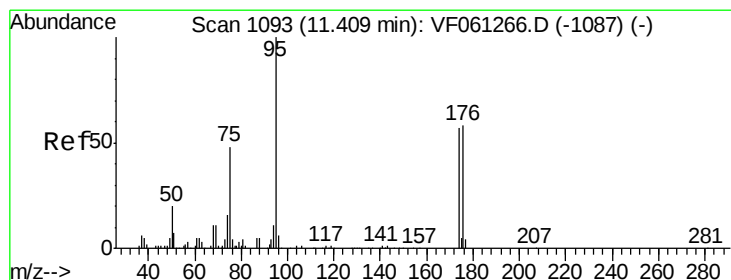
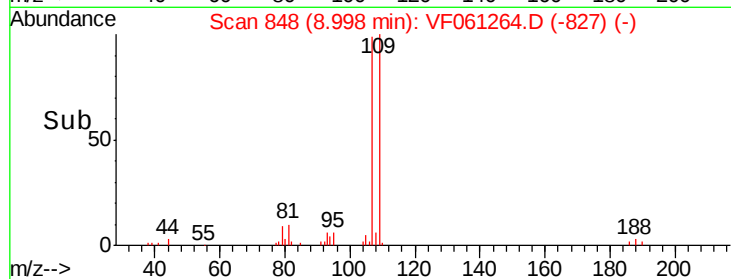
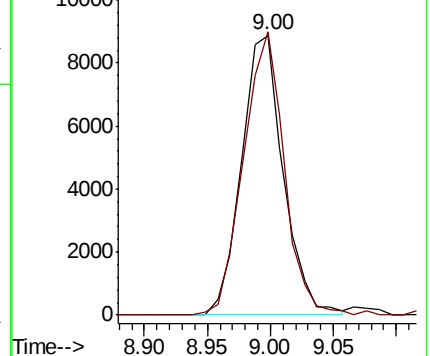
107 100

109 101.1 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: 10.359 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

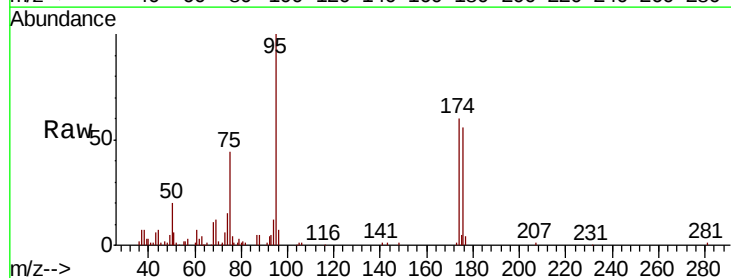
Tgt Ion: 95 Resp: 40054

Ion Ratio Lower Upper

95 100

174 60.3 0.0 113.2

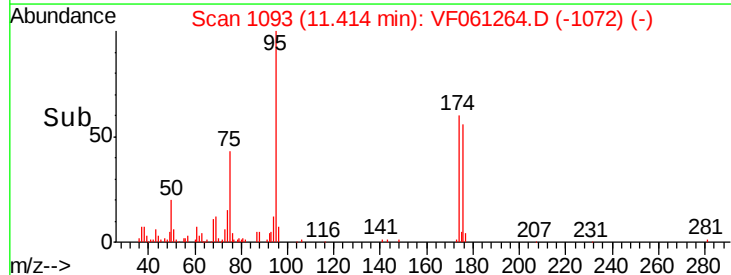
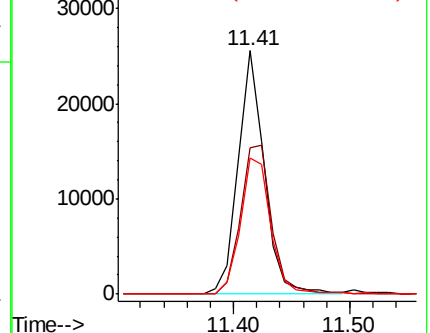
176 55.8 0.0 115.6

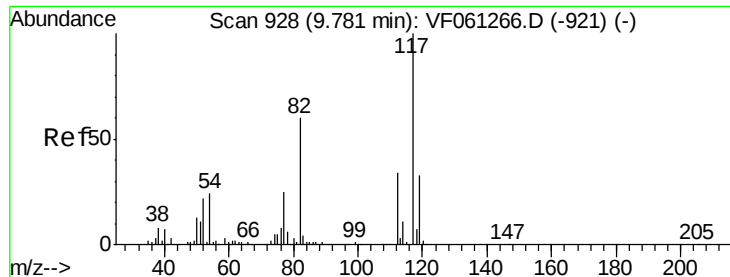


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

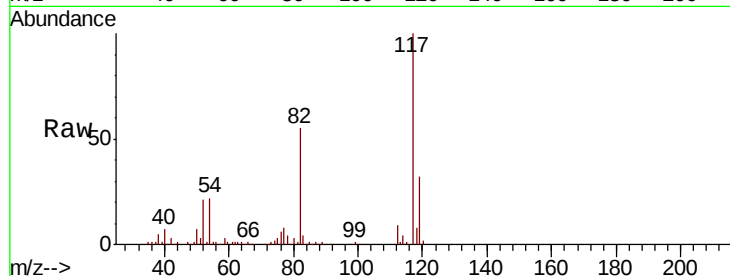




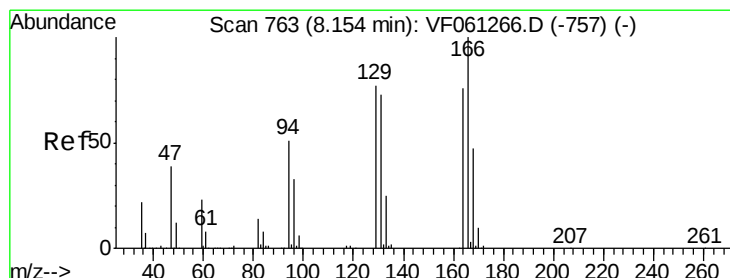
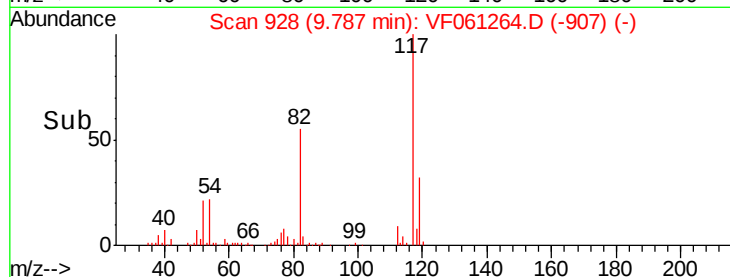
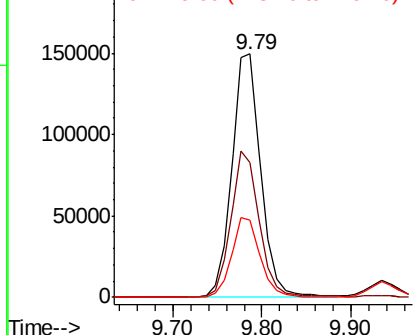
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	47.8	71.6
119	31.6	26.1	39.1



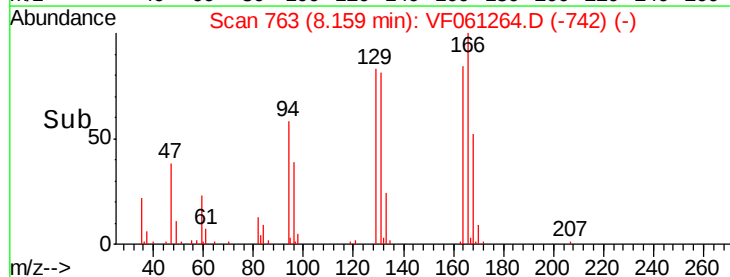
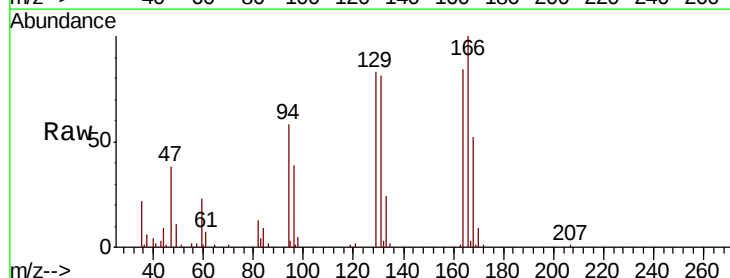
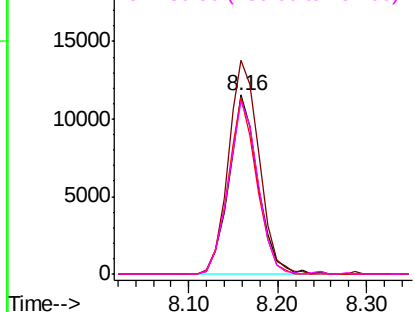
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

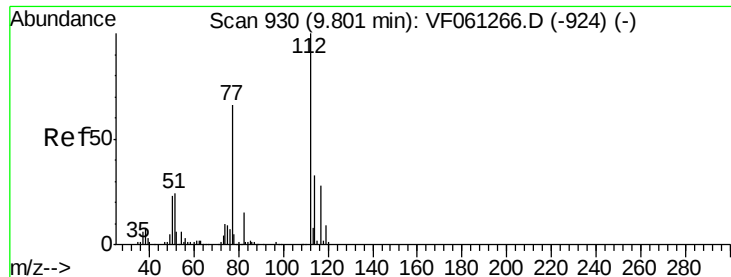


#64
Tetrachloroethene
Concen: 9.937 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.3	105.1	157.7
129	98.8	81.0	121.6
131	96.2	77.1	115.7

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

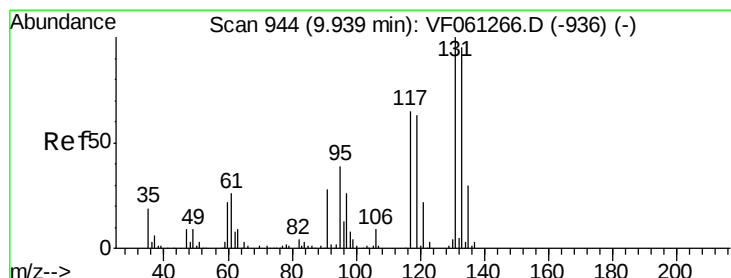
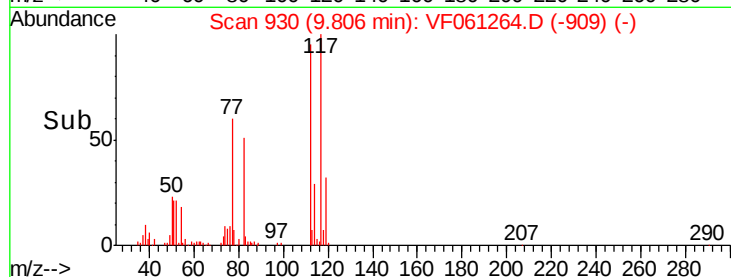
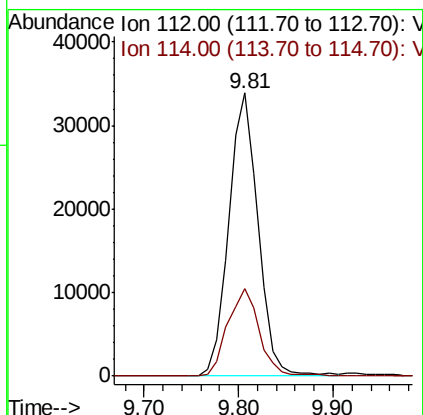
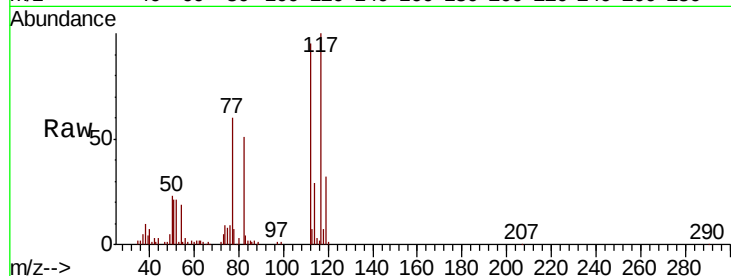




#65
Chlorobenzene
Concen: 10.235 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

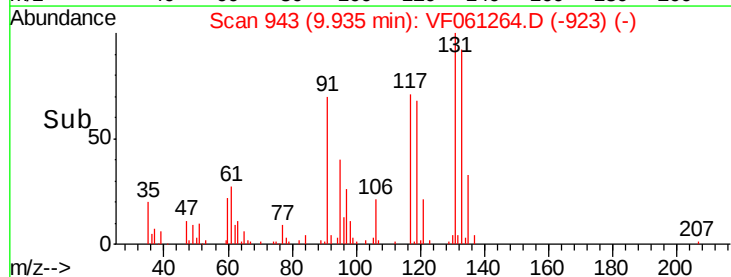
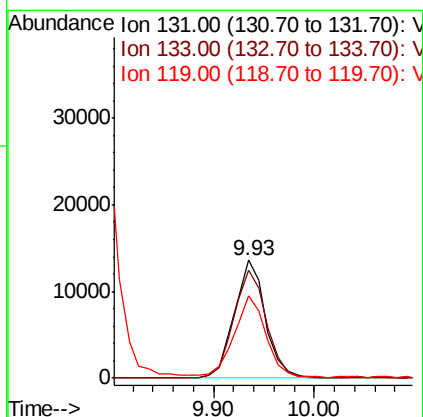
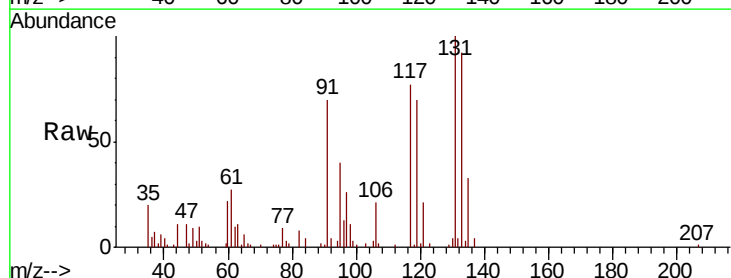
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

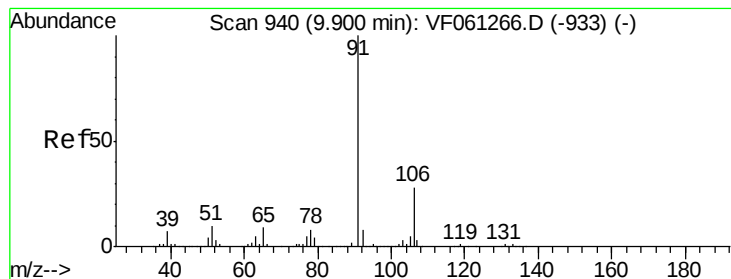
Tgt Ion:112 Resp: 72754
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 10.066 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion:131 Resp: 29252
Ion Ratio Lower Upper
131 100
133 92.3 47.5 142.5
119 69.6 32.2 96.6





#67

Ethyl Benzene

Concen: 10.349 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

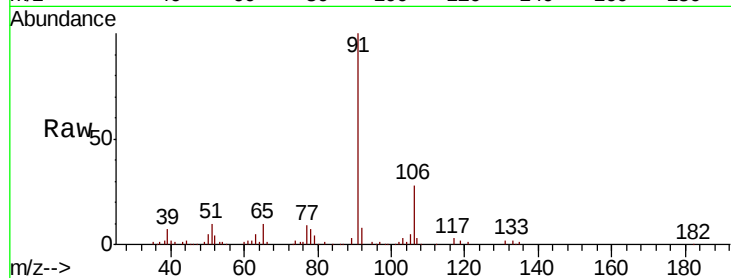
VSTDIC010

Tgt Ion: 91 Resp: 134766

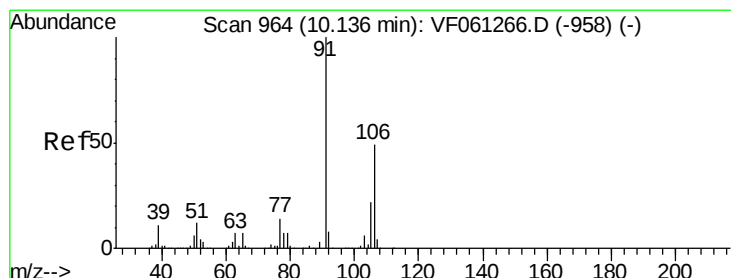
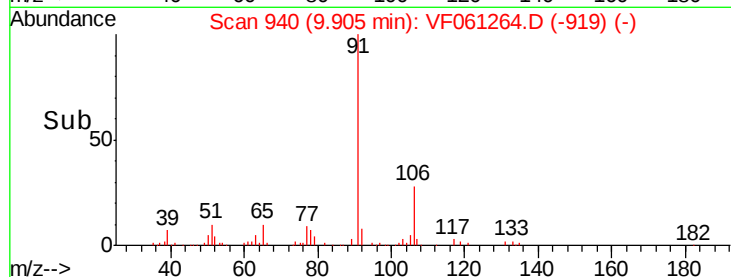
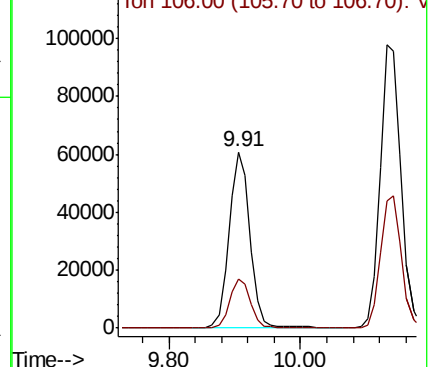
Ion Ratio Lower Upper

91 100

106 28.1 22.8 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 22.333 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061264.D

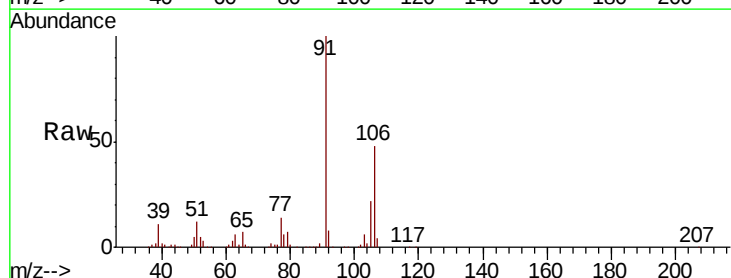
Acq: 3 Jan 2019 14:49

Tgt Ion:106 Resp: 101663

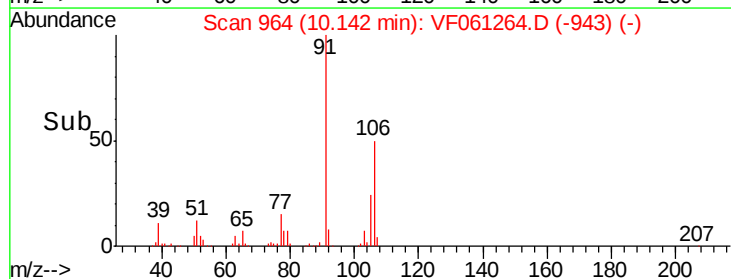
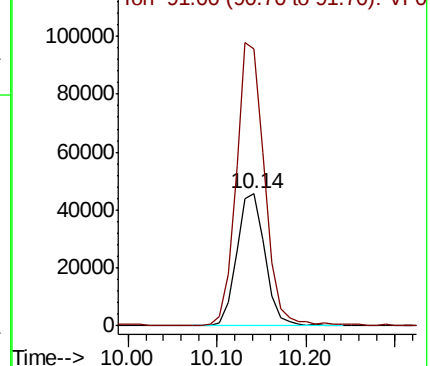
Ion Ratio Lower Upper

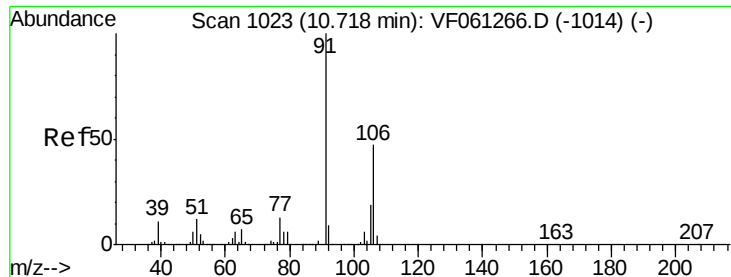
106 100

91 209.3 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

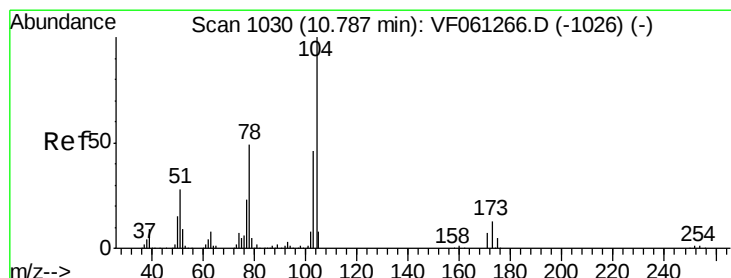
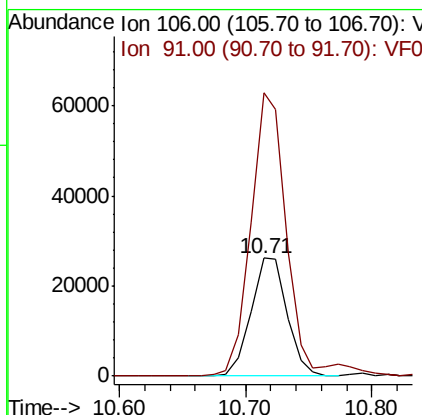
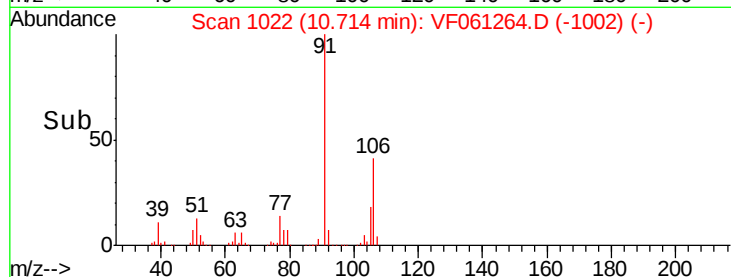
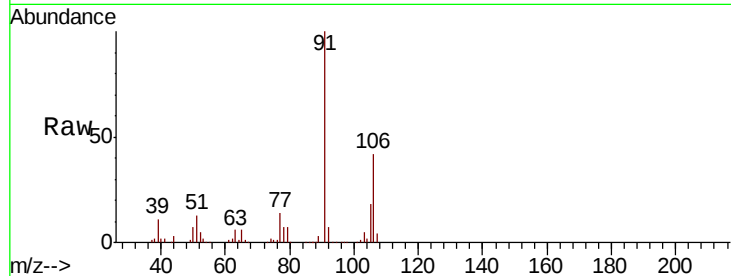




#69
o-Xylene
Concen: 10.315 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

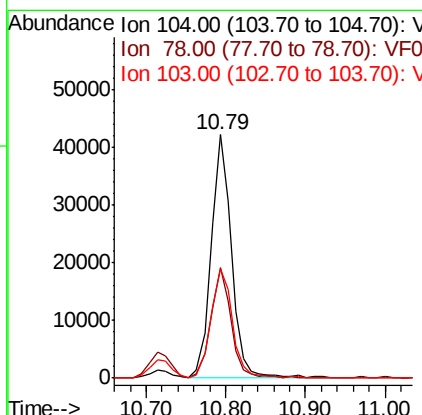
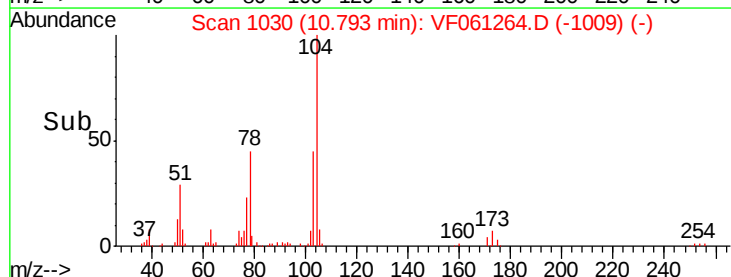
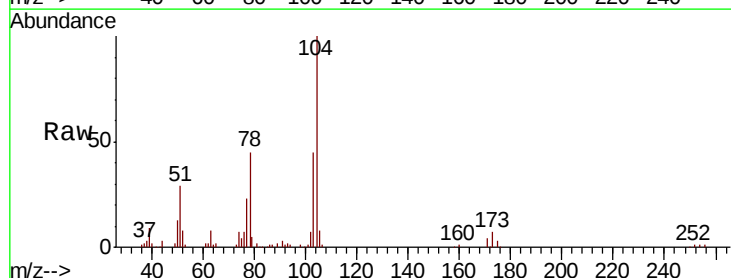
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

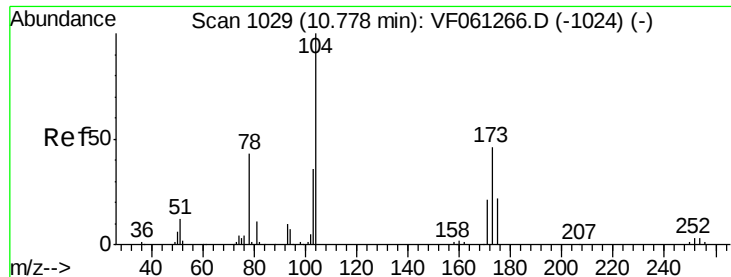
Tgt Ion:106 Resp: 52545
Ion Ratio Lower Upper
106 100
91 240.6 106.2 318.5



#70
Styrene
Concen: 10.872 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion:104 Resp: 76552
Ion Ratio Lower Upper
104 100
78 45.2 39.3 58.9
103 45.0 37.3 55.9





#71

Bromoform

Concen: 10.173 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

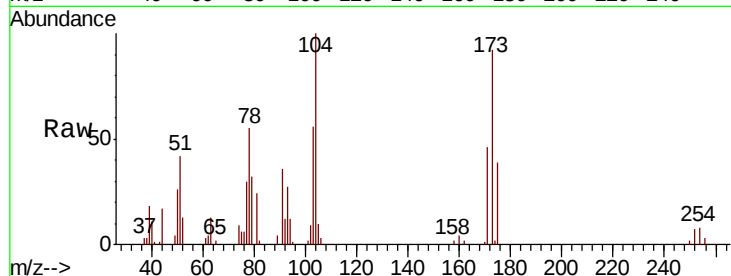
Tgt Ion:173 Resp: 13618

Ion Ratio Lower Upper

173 100

175 42.5 24.6 73.6

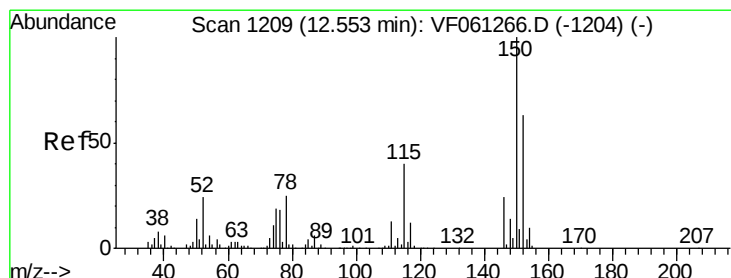
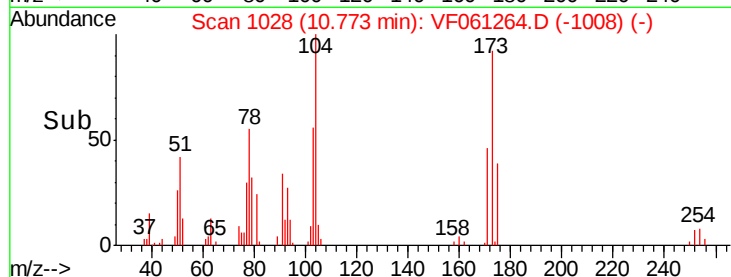
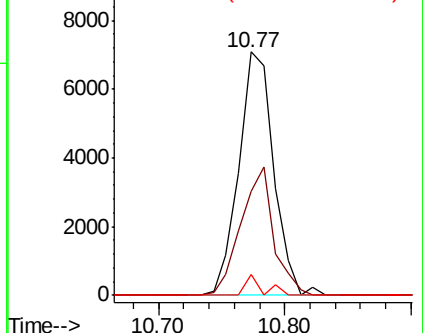
254 8.7 5.3 7.9#



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: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

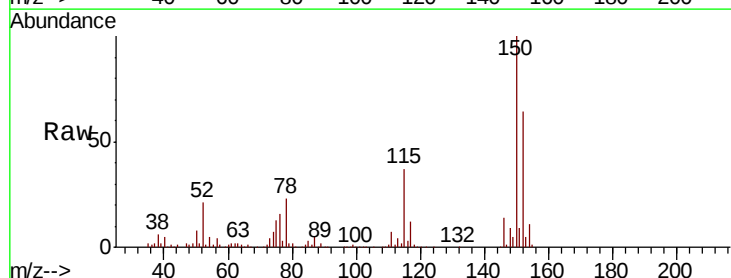
Tgt Ion:152 Resp: 175901

Ion Ratio Lower Upper

152 100

115 56.8 31.6 94.7

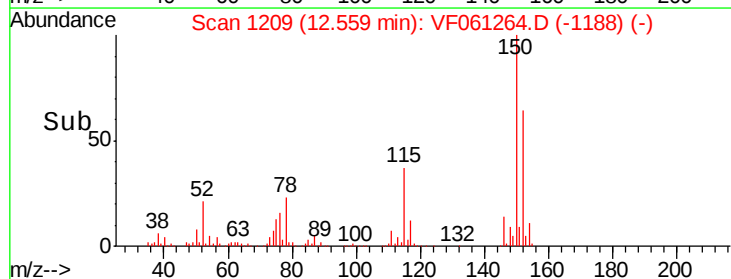
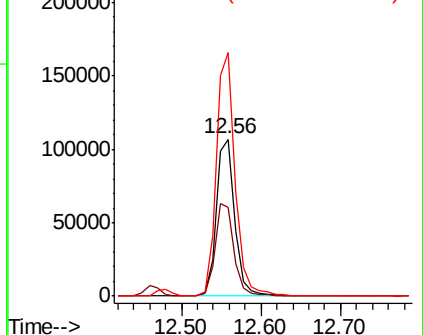
150 155.3 0.0 320.2

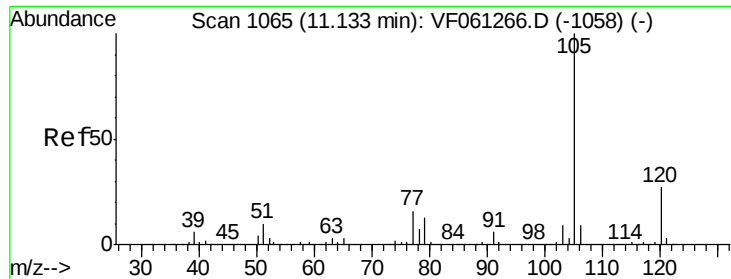


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.601 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

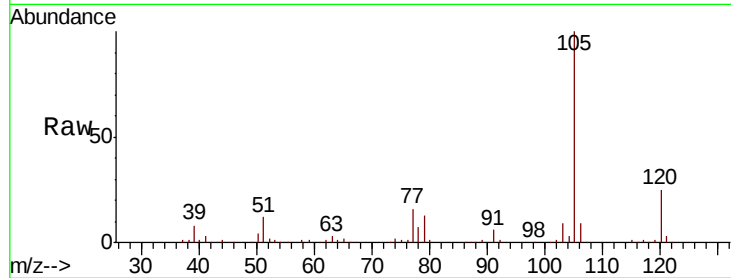
VSTDIC010

Tgt Ion: 105 Resp: 160824

Ion Ratio Lower Upper

105 100

120 24.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

100000

80000

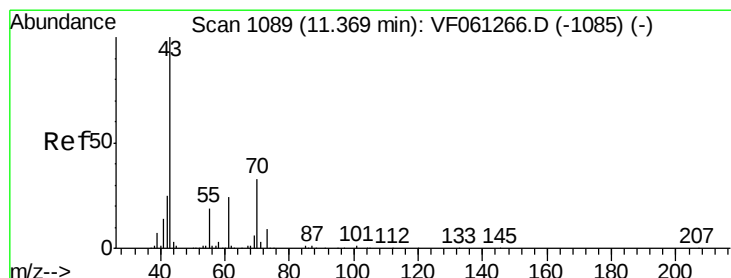
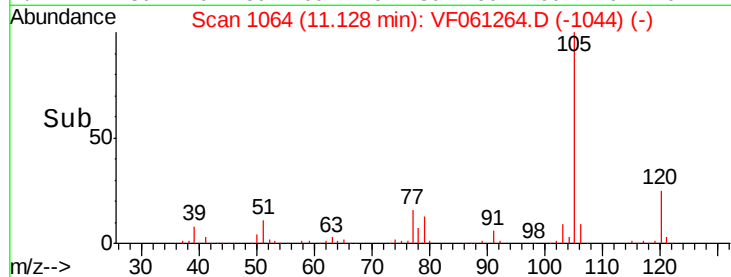
60000

40000

20000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 12.186 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion: 43 Resp: 41295

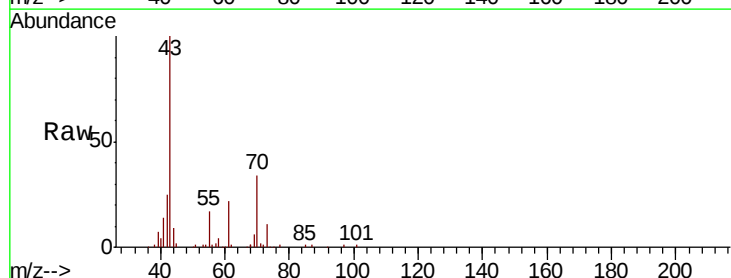
Ion Ratio Lower Upper

43 100

70 34.4 26.7 40.1

55 17.0 15.4 23.0

61 22.2 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

40000

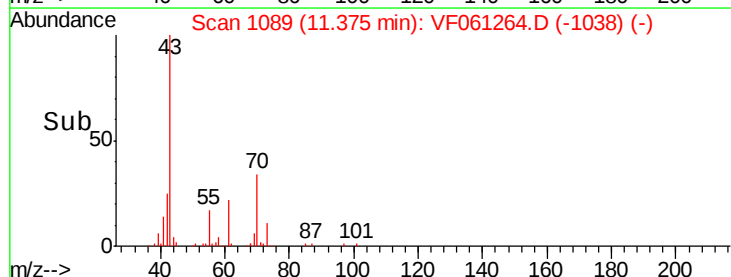
30000

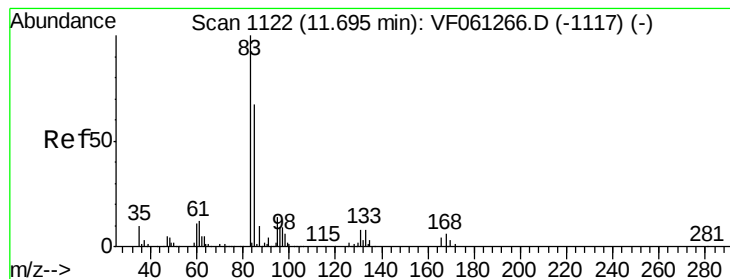
20000

10000

0

Time--> 11.30 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 12.231 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

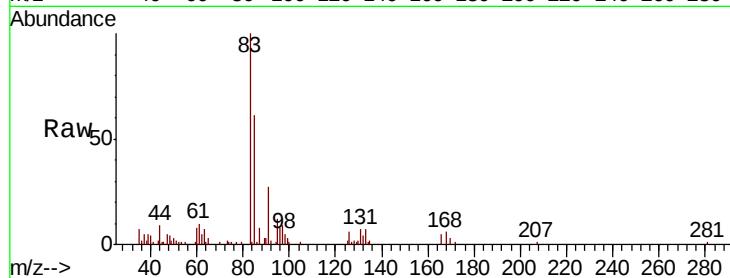
Tgt Ion: 83 Resp: 30454

Ion Ratio Lower Upper

83 100

131 7.5 4.0 12.0

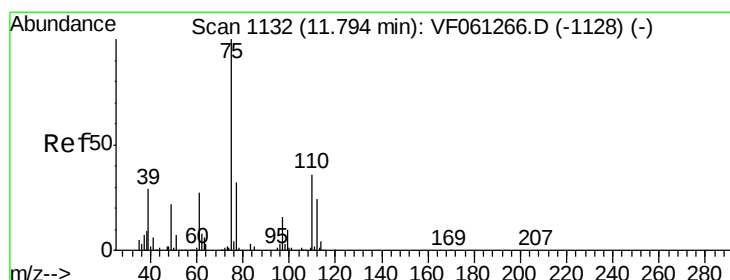
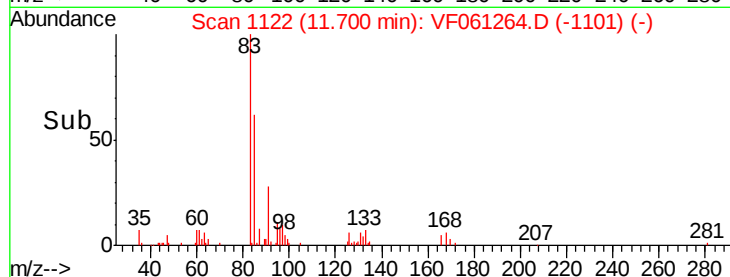
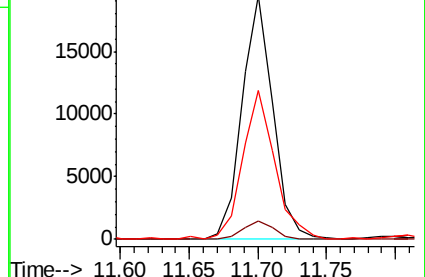
85 61.1 33.6 100.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 11.701 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061264.D

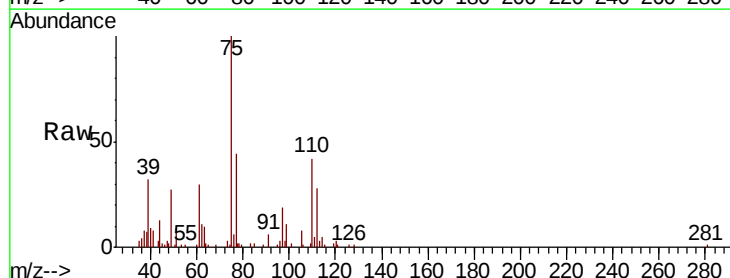
Acq: 3 Jan 2019 14:49

Tgt Ion: 75 Resp: 21698

Ion Ratio Lower Upper

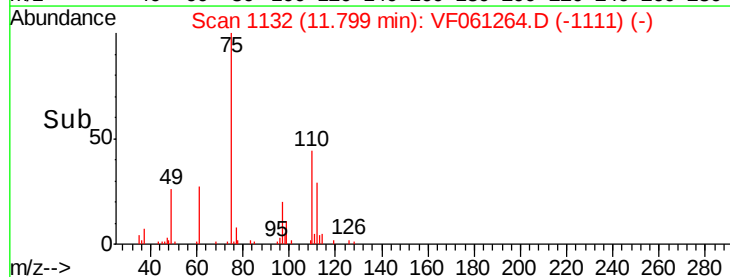
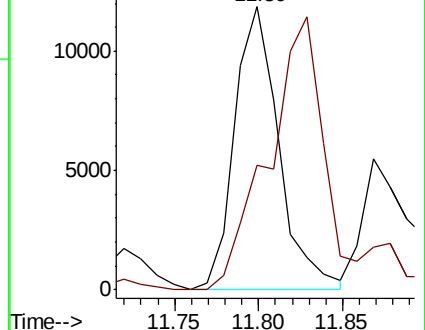
75 100

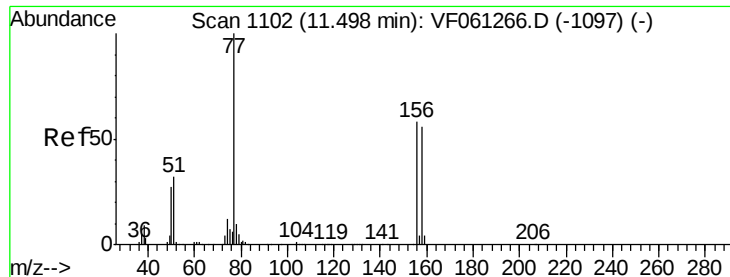
77 44.0 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

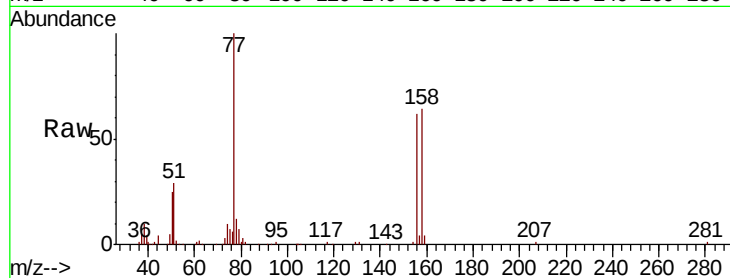




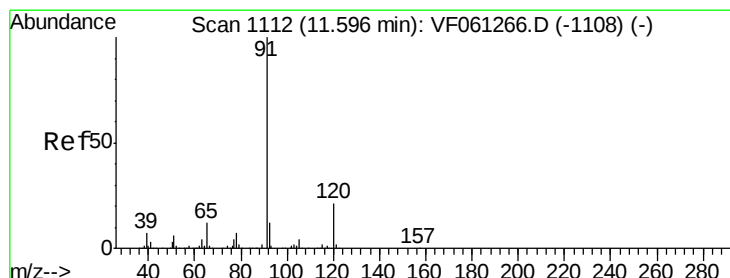
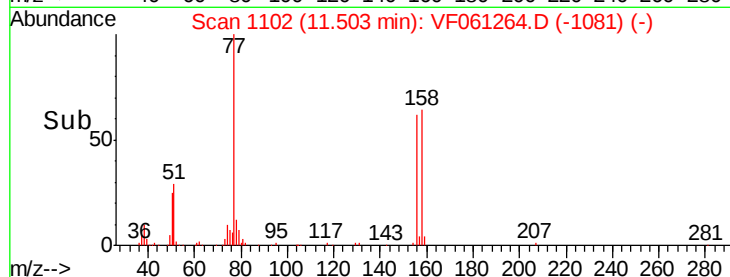
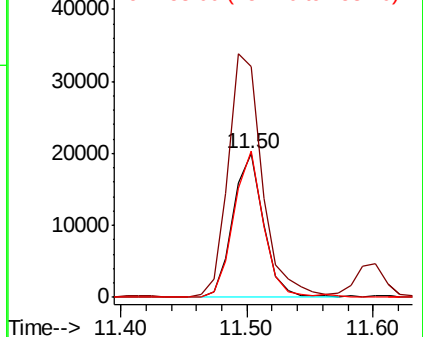
#77
Bromobenzene
Concen: 10.275 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:156 Resp: 33355
Ion Ratio Lower Upper
156 100
77 161.2 85.8 257.3
158 102.6 47.6 142.8

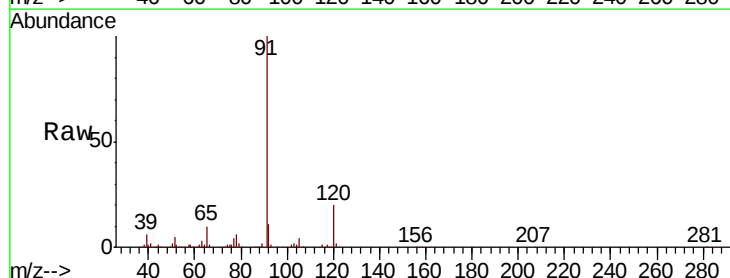


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VF0
Ion 158.00 (157.70 to 158.70): V

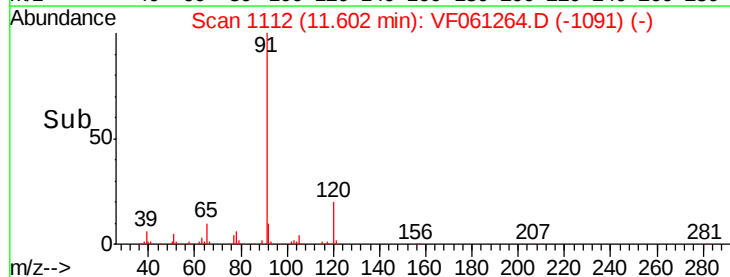
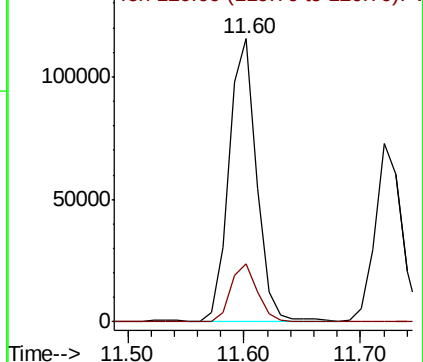


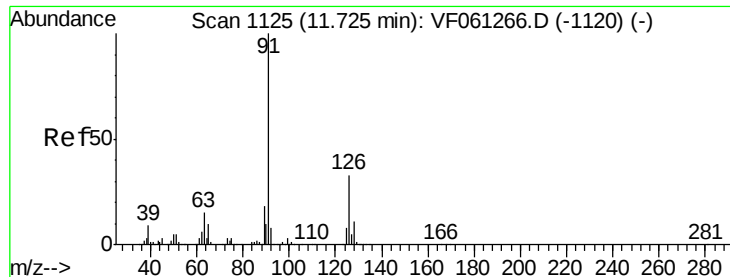
#78
n-propylbenzene
Concen: 10.631 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 91 Resp: 189529
Ion Ratio Lower Upper
91 100
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V

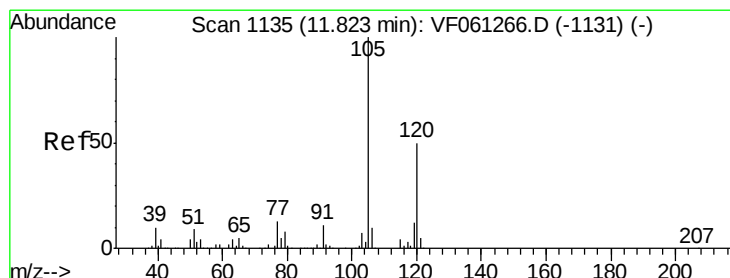
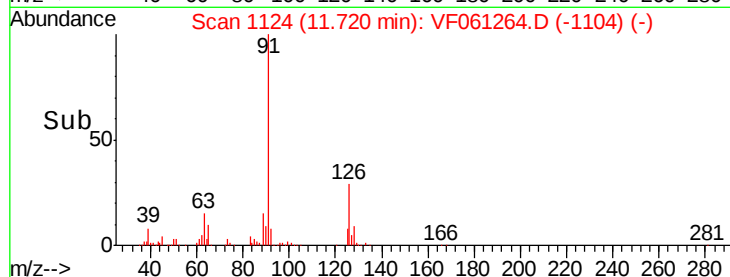
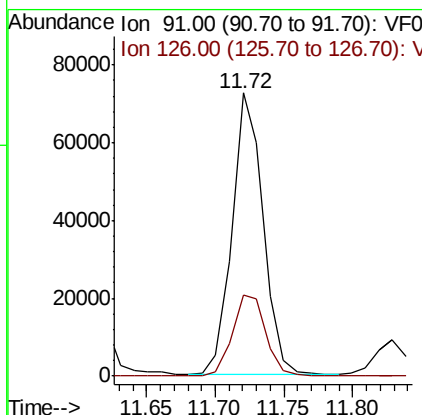
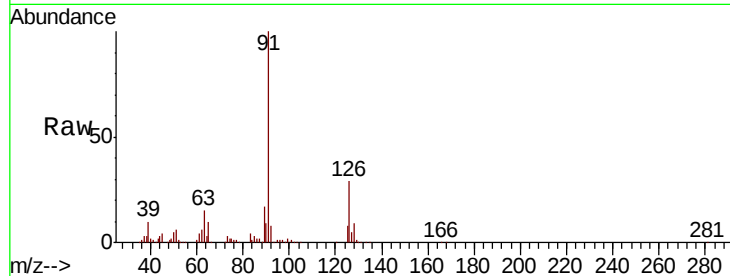




#79
 2-Chlorotoluene
 Concen: 10.994 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

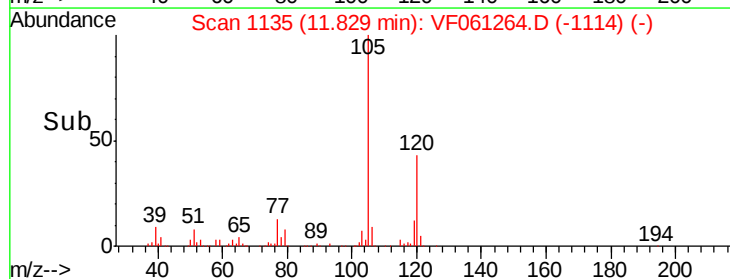
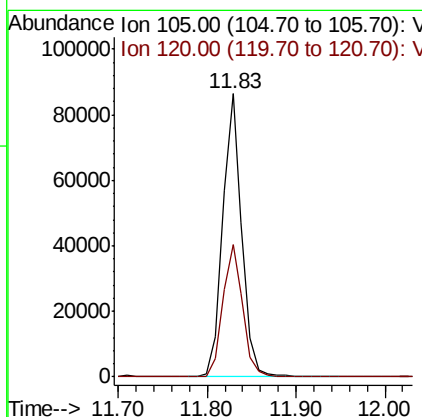
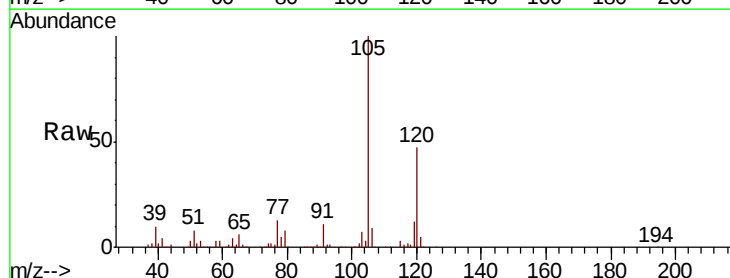
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

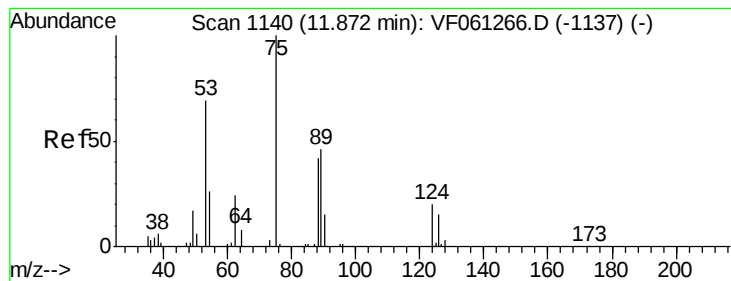
Tgt Ion: 91 Resp: 113826
 Ion Ratio Lower Upper
 91 100
 126 28.6 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 10.512 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion: 105 Resp: 130353
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.516 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

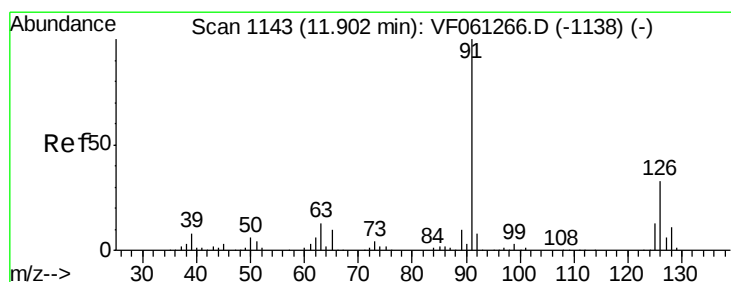
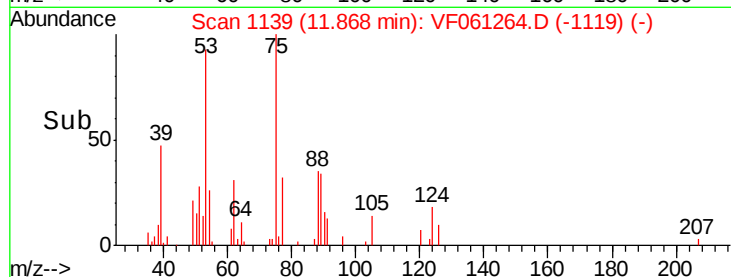
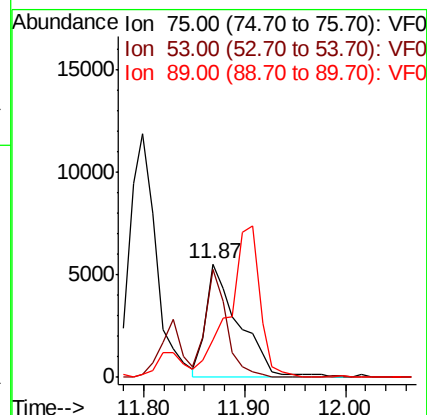
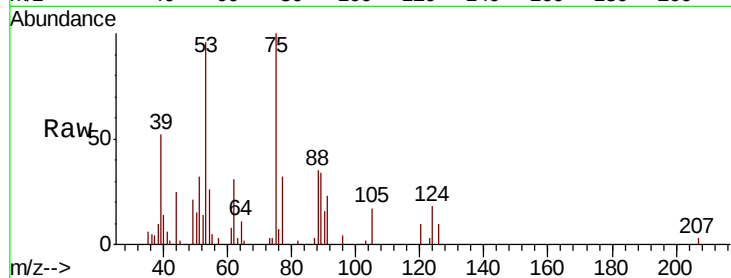
Tgt Ion: 75 Resp: 12562

Ion Ratio Lower Upper

75 100

53 95.7 61.7 92.5#

89 33.5 40.3 60.5#



#82

4-Chlorotoluene

Concen: 10.537 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061264.D

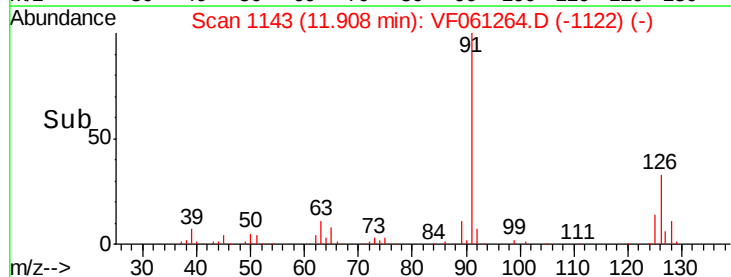
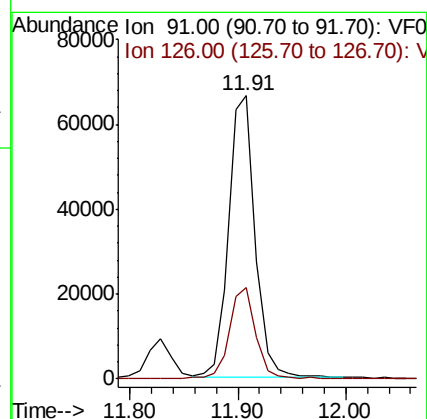
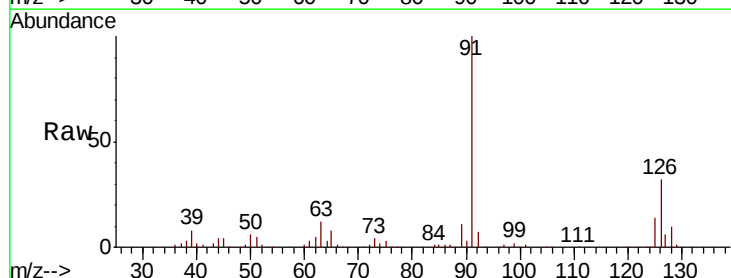
Acq: 3 Jan 2019 14:49

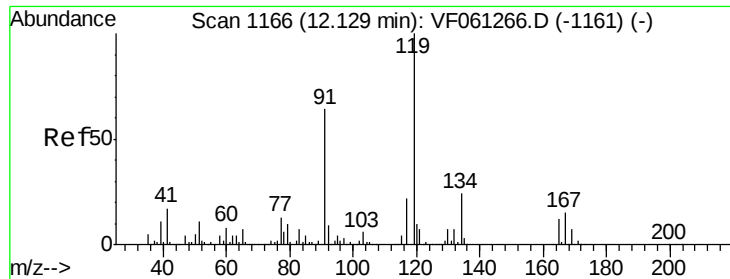
Tgt Ion: 91 Resp: 113365

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8

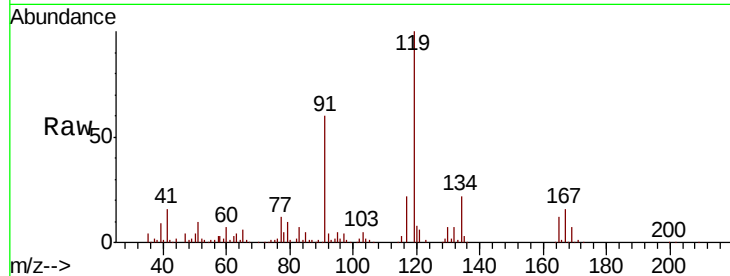




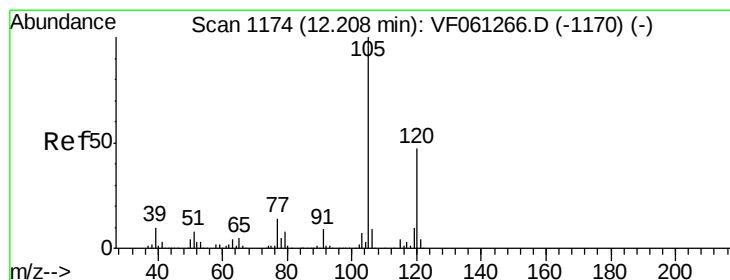
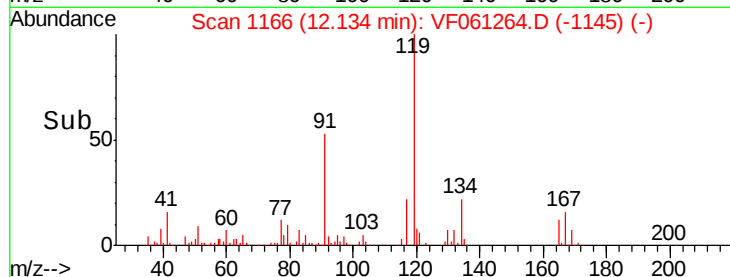
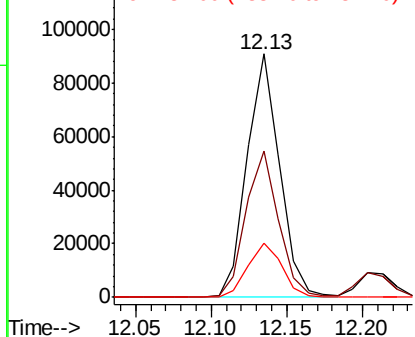
#83
 tert-Butylbenzene
 Concen: 10.738 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 136912
 Ion Ratio Lower Upper
 119 100
 91 59.9 32.0 96.0
 134 22.4 12.1 36.3

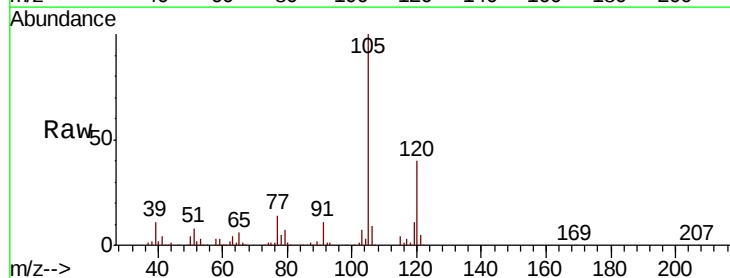


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

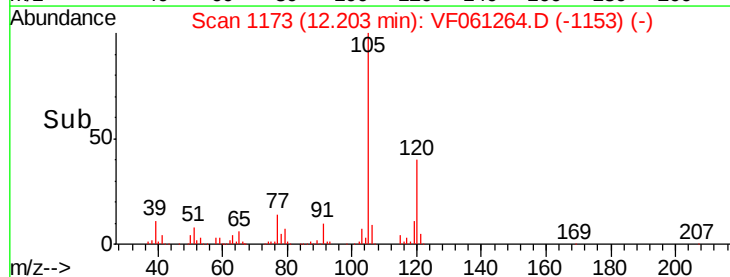
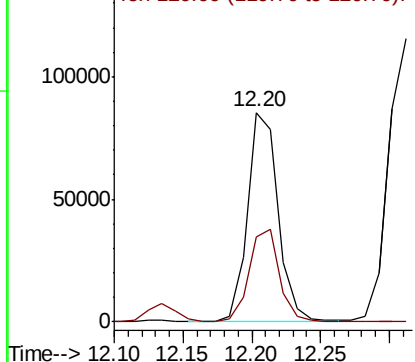


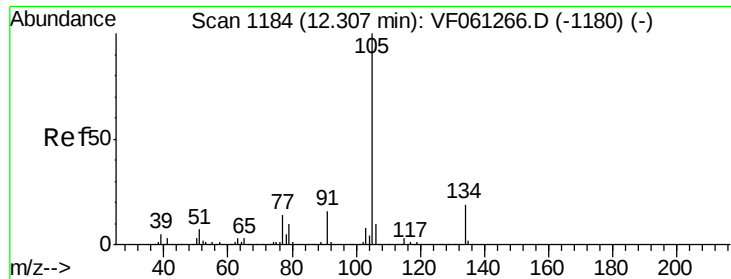
#84
 1,2,4-Trimethylbenzene
 Concen: 10.777 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion:105 Resp: 133288
 Ion Ratio Lower Upper
 105 100
 120 40.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

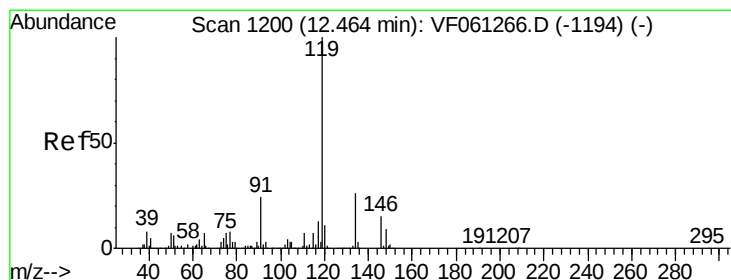
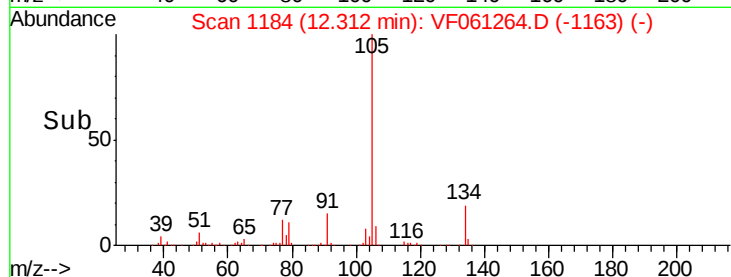
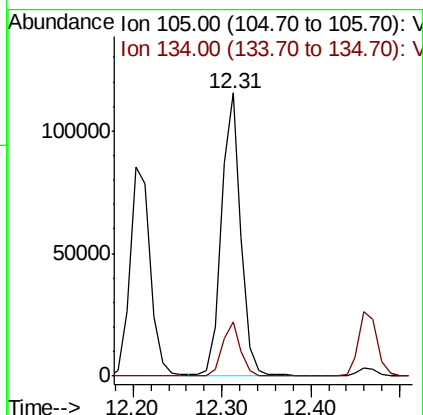
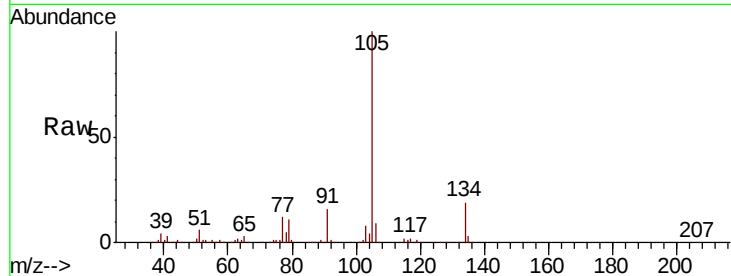




#85
 sec-Butylbenzene
 Concen: 10.529 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

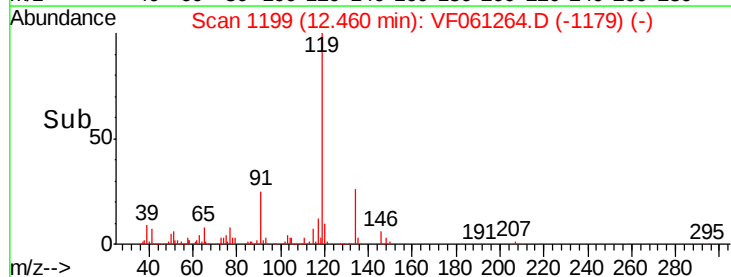
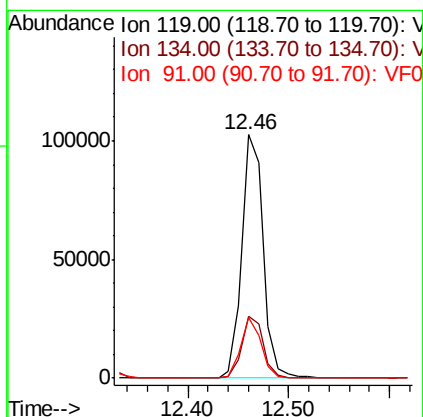
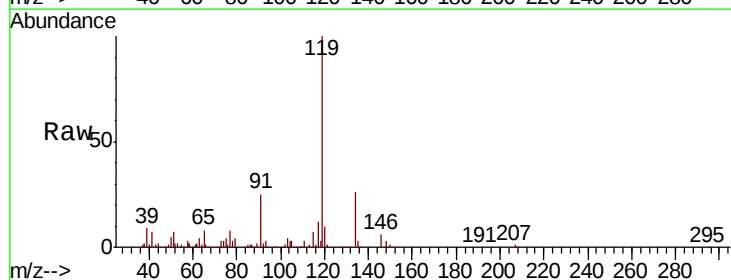
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

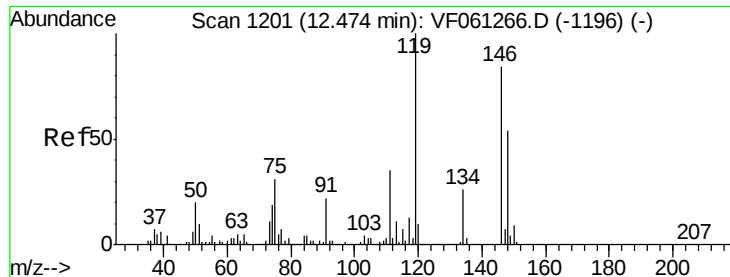
Tgt Ion:105 Resp: 176555
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 10.879 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion:119 Resp: 151709
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.6
 91 25.1 11.9 35.7

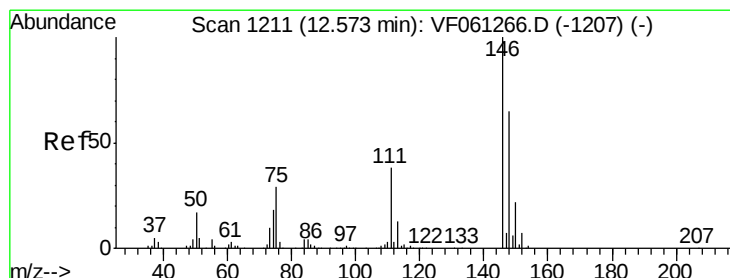
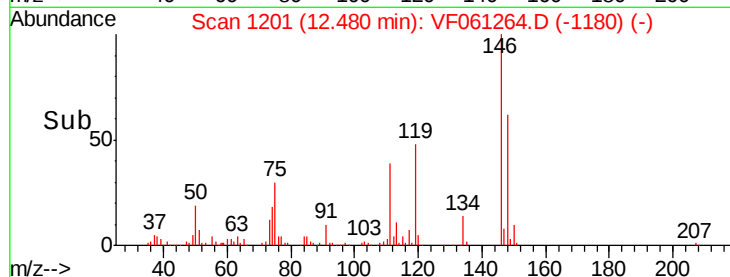
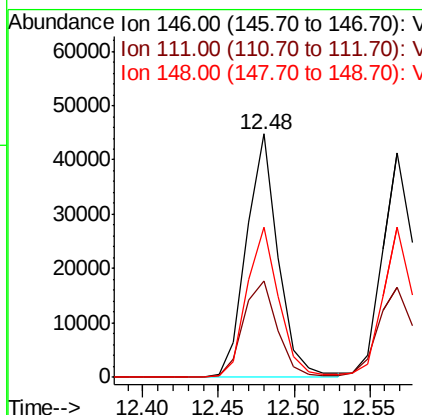
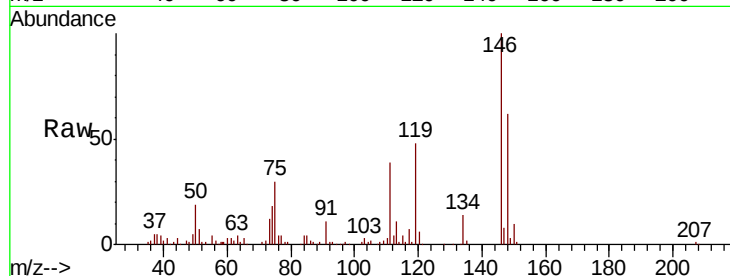




#87
 1,3-Dichlorobenzene
 Concen: 10.629 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

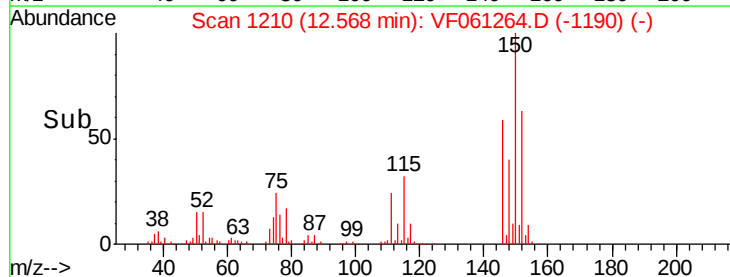
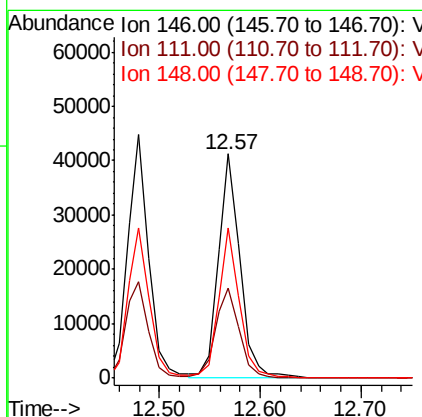
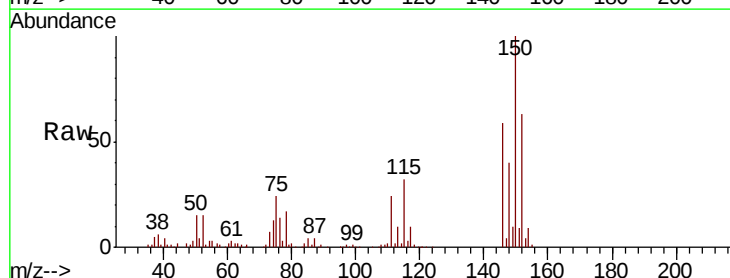
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

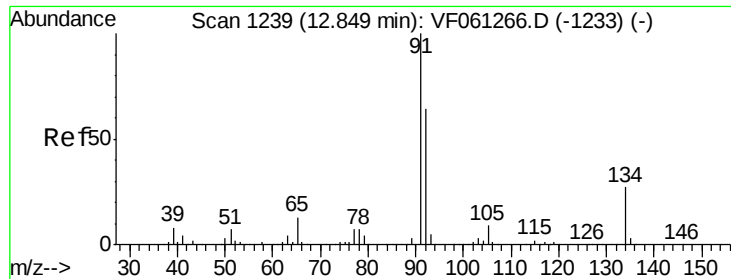
Tgt Ion:146 Resp: 65387
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.9 62.8
 148 61.7 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 10.410 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion:146 Resp: 62764
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.3 57.9
 148 67.2 32.6 98.0

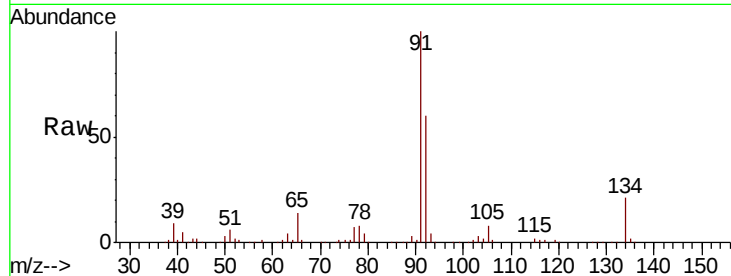




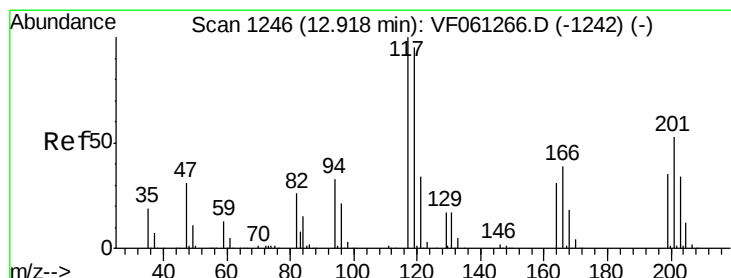
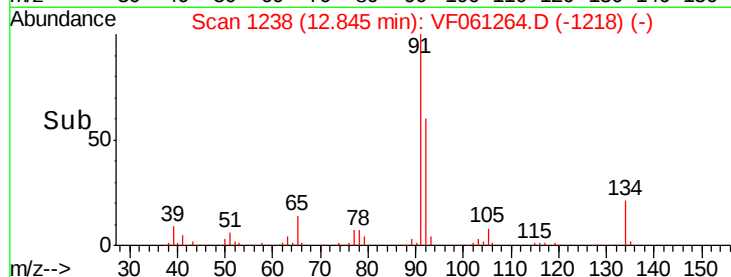
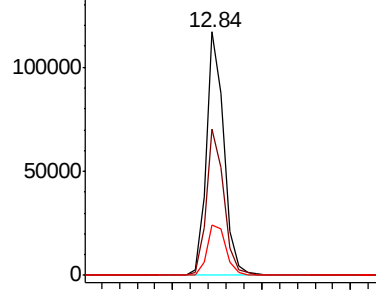
#89
n-Butylbenzene
Concen: 11.328 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 163137
Ion Ratio Lower Upper
91 100
92 60.1 31.9 95.7
134 20.7 13.6 40.7

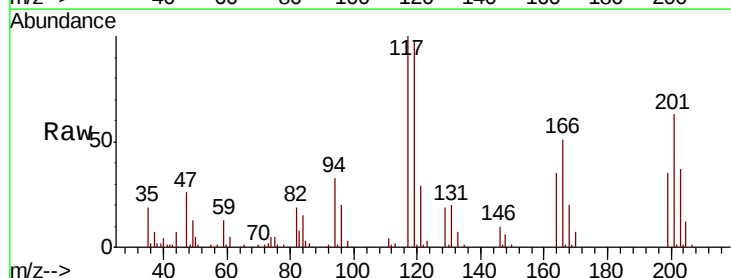


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

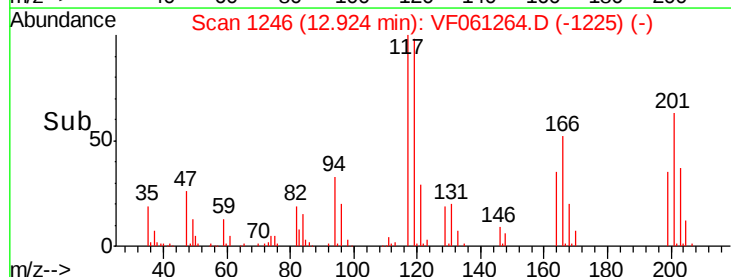
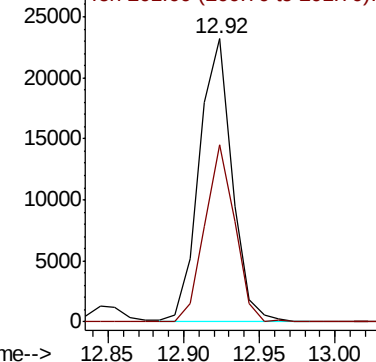


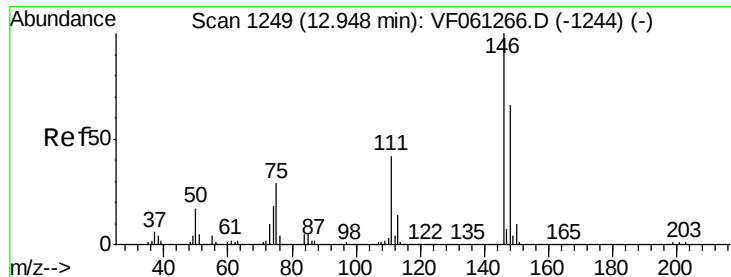
#90
Hexachloroethane
Concen: 10.146 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 117 Resp: 34920
Ion Ratio Lower Upper
117 100
201 63.7 26.6 79.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

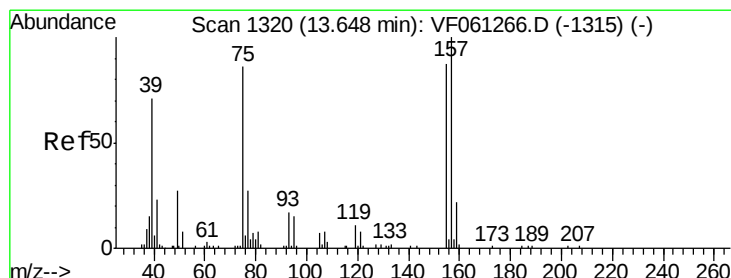
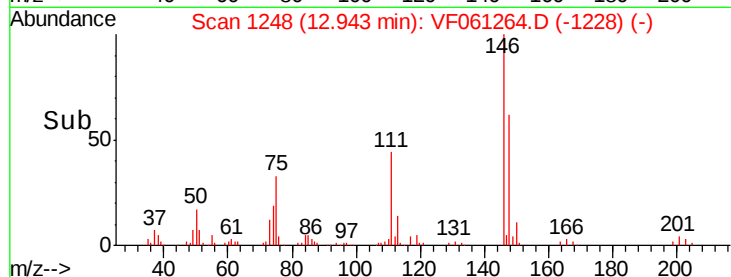
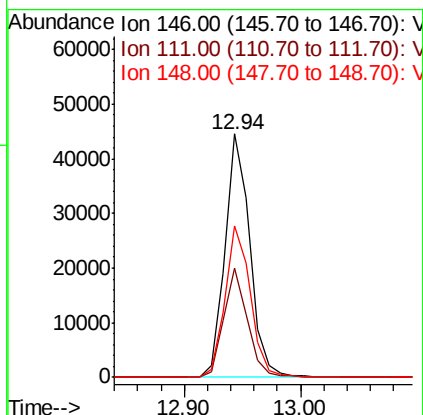
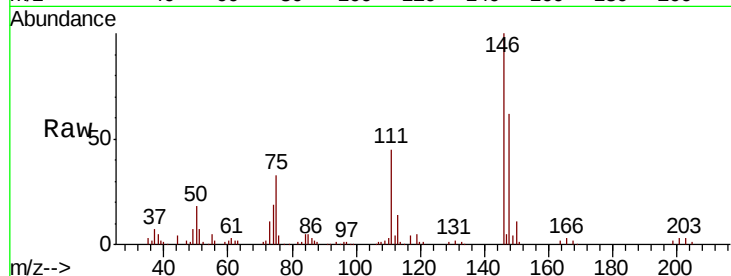




#91
 1,2-Dichlorobenzene
 Concen: 11.402 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

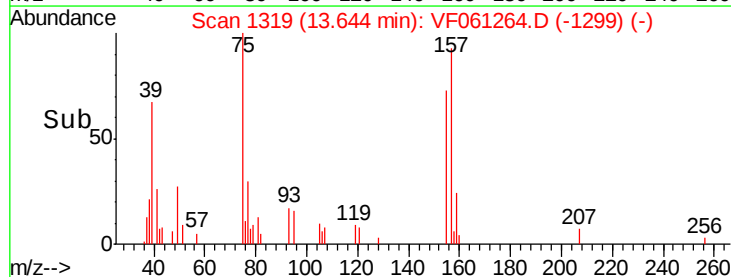
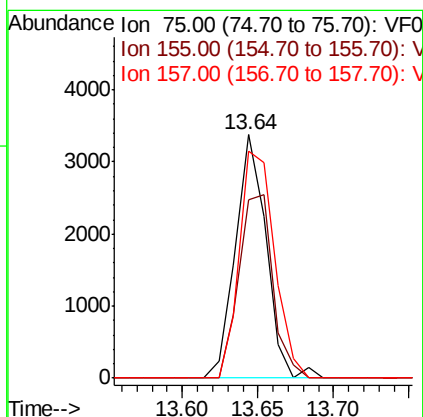
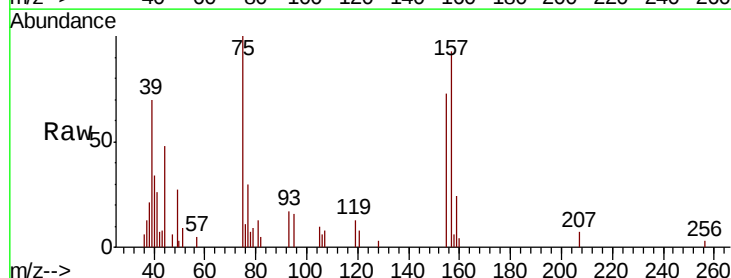
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

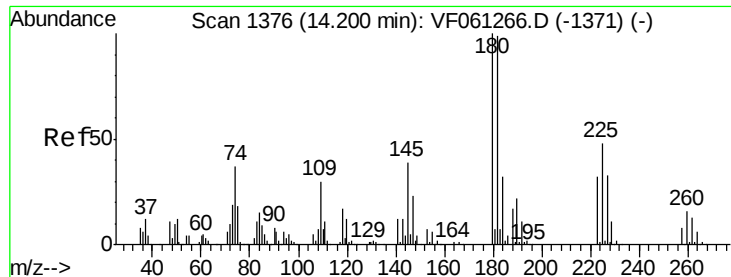
Tgt Ion: 146 Resp: 66030
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.1 63.4
 148 62.1 32.8 98.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.533 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion: 75 Resp: 4763
 Ion Ratio Lower Upper
 75 100
 155 73.1 50.6 151.8
 157 93.2 58.0 173.9

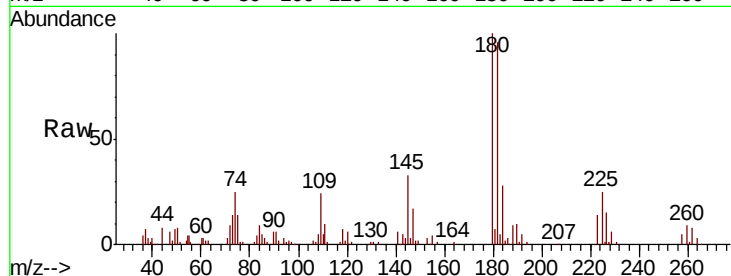




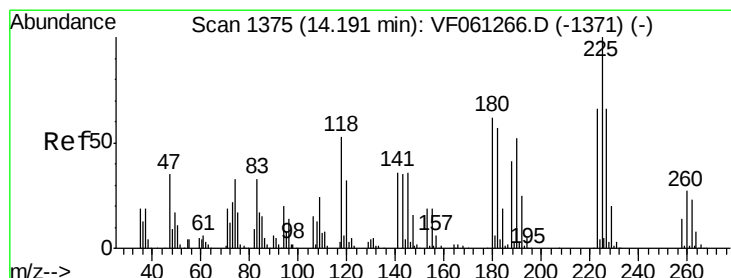
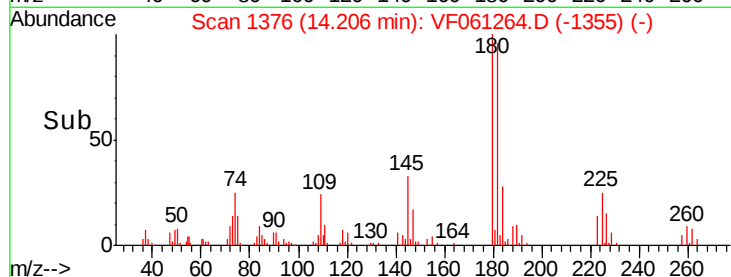
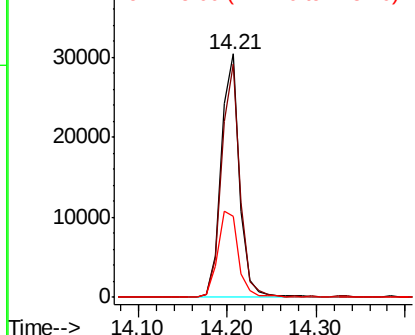
#93
 1,2,4-Trichlorobenzene
 Concen: 10.796 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 44556
 Ion Ratio Lower Upper
 180 100
 182 96.1 49.5 148.3
 145 33.2 19.7 59.0

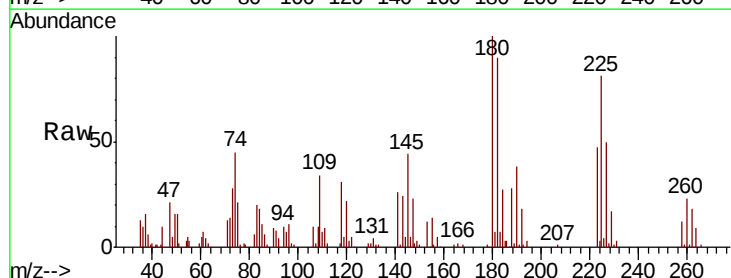


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

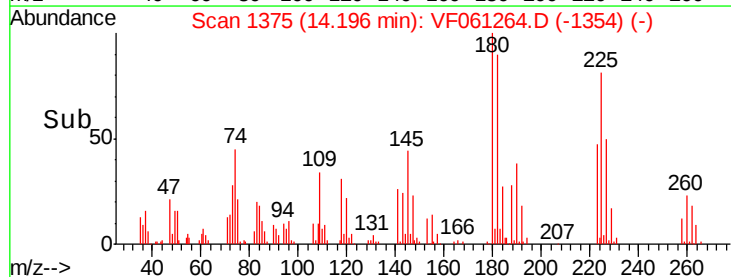
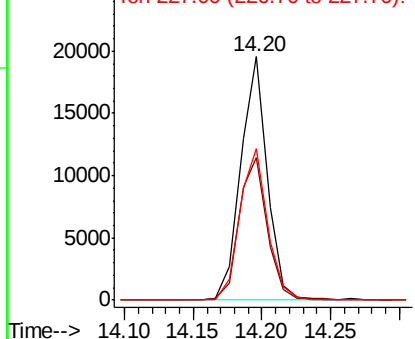


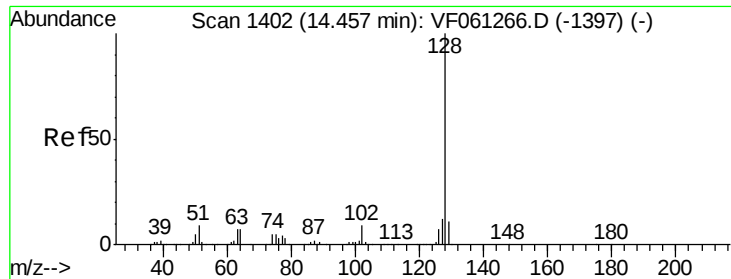
#94
 Hexachlorobutadiene
 Concen: 10.032 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion:225 Resp: 26358
 Ion Ratio Lower Upper
 225 100
 223 58.6 33.0 99.0
 227 62.3 32.8 98.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 10.384 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

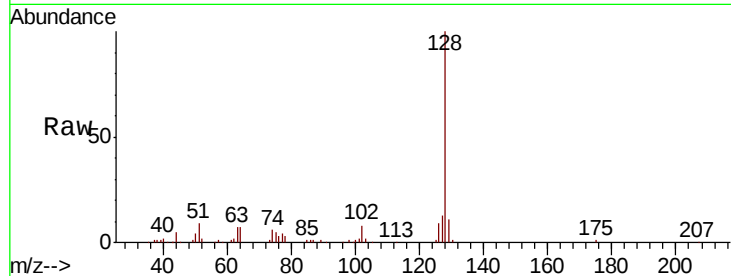
Tgt Ion:128 Resp: 77430

Ion Ratio Lower Upper

128 100

127 13.5 9.8 14.6

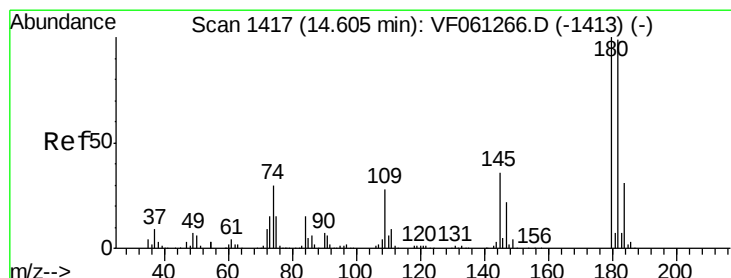
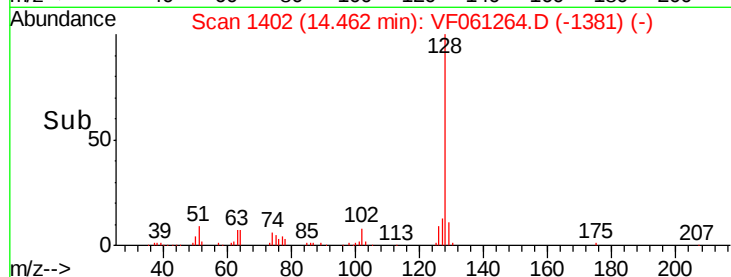
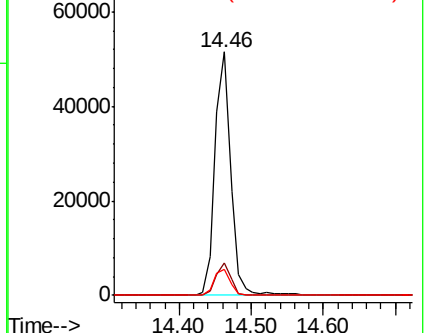
129 10.8 9.0 13.4



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: 10.129 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

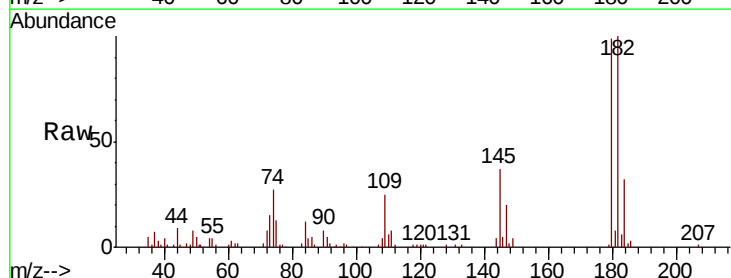
Tgt Ion:180 Resp: 38242

Ion Ratio Lower Upper

180 100

182 101.1 49.5 148.5

145 37.8 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

