

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062144.D
 Acq On : 26 Mar 2019 14:22
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Quant Time: Mar 27 05:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	236350	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	351138	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	294455	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	162540	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	102435	58.27	ug/l	-0.06
Spiked Amount			Recovery	=	116.54%	
35) Dibromofluoromethane	4.09	113	141082	59.40	ug/l	-0.06
Spiked Amount			Recovery	=	118.80%	
50) Toluene-d8	7.53	98	407422	57.46	ug/l	-0.06
Spiked Amount			Recovery	=	114.92%	
62) 4-Bromofluorobenzene	11.40	95	157784	57.64	ug/l	-0.04
Spiked Amount			Recovery	=	115.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	72680	24.004	ug/l	97
3) Chloromethane	1.09	50	74728	23.587	ug/l	90
4) Vinyl Chloride	1.13	62	71830	24.511	ug/l	98
5) Bromomethane	1.31	94	50496	23.971	ug/l	91
6) Chloroethane	1.39	64	35301	23.929	ug/l	99
7) Trichlorofluoromethane	1.47	101	87035	24.591	ug/l	97
8) Diethyl Ether	1.62	74	18662	23.083	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54983	22.772	ug/l	91
10) Methyl Iodide	1.90	142	78215	17.046	ug/l	97
11) Tert butyl alcohol	2.56	59	11582	119.738	ug/l	97
12) 1,1-Dichloroethene	1.79	96	53928	23.671	ug/l	91
13) Acrolein	1.99	56	13357	114.834	ug/l	85
14) Allyl chloride	2.09	41	64513	26.523	ug/l	98
15) Acrylonitrile	2.93	53	37437	110.063	ug/l	98
16) Acetone	2.22	43	41377	111.831	ug/l	95
17) Carbon Disulfide	1.80	76	163353	23.513	ug/l	99
18) Methyl Acetate	2.41	43	16549	18.750	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	78545	21.814	ug/l	96
20) Methylene Chloride	2.18	84	27467	9.762	ug/l	92
21) trans-1,2-Dichloroethene	2.29	96	52238	23.831	ug/l	89
22) Diisopropyl ether	2.79	45	144803	22.706	ug/l	97
23) Vinyl Acetate	3.17	43	311754	119.398	ug/l	100
24) 1,1-Dichloroethane	2.86	63	91991	24.054	ug/l	99
25) 2-Butanone	4.31	43	80101	103.702	ug/l	99
26) 2,2-Dichloropropane	3.58	77	38507	24.834	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	62440	21.496	ug/l	88
28) Bromochloromethane	3.69	49	39386	25.207	ug/l	94
29) Tetrahydrofuran	4.05	42	31753	94.549	ug/l	97
30) Chloroform	3.84	83	90817	22.470	ug/l	97
31) Cyclohexane	3.67	56	53469	13.387	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	60356	24.549	ug/l	98
36) 1,1-Dichloropropene	4.26	75	75977	22.716	ug/l	97
37) Ethyl Acetate	4.10	43	29134	19.932	ug/l	97
38) Carbon Tetrachloride	3.97	117	55616	24.398	ug/l	90

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 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	84350	21.730	ug/l	94
40) Benzene	4.61	78	204849	22.847	ug/l	96
41) Methacrylonitrile	4.73	41	17334	22.413	ug/l	92
42) 1,2-Dichloroethane	4.92	62	50086	23.622	ug/l	100
43) Isopropyl Acetate	6.94	43	39771	22.467	ug/l #	95
44) Trichloroethene	5.48	130	65809	24.007	ug/l	95
45) 1,2-Dichloropropane	6.22	63	47838	22.370	ug/l	95
46) Dibromomethane	6.07	93	27563	21.080	ug/l	97
47) Bromodichloromethane	6.37	83	65152	22.495	ug/l	92
48) Methyl methacrylate	6.69	41	22194	22.020	ug/l	92
49) 1,4-Dioxane	6.69	88	4444	502.495	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	142156	119.984	ug/l	97
52) Toluene	7.61	92	116565	22.445	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	55244	24.298	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	73231	22.511	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	32686	22.158	ug/l	89
56) Ethyl methacrylate	8.60	69	41055	23.337	ug/l	100
57) 1,3-Dichloropropane	8.83	76	53227	21.741	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	29501	110.510	ug/l	96
59) 2-Hexanone	9.47	43	101780	117.211	ug/l	99
60) Dibromochloromethane	8.69	129	47740	23.280	ug/l	93
61) 1,2-Dibromoethane	8.96	107	36759	23.357	ug/l	95
64) Tetrachloroethene	8.13	164	53578	23.552	ug/l	93
65) Chlorobenzene	9.78	112	126987	23.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	55086	24.891	ug/l	94
67) Ethyl Benzene	9.88	91	236632	24.697	ug/l	99
68) m/p-Xylenes	10.11	106	174405	48.701	ug/l	98
69) o-Xylene	10.70	106	91685	24.445	ug/l	95
70) Styrene	10.77	104	132629	23.338	ug/l	99
71) Bromoform	10.75	173	25723	22.724	ug/l	96
73) Isopropylbenzene	11.11	105	266301	23.283	ug/l	99
74) N-amyl acetate	11.36	43	59618	21.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43718	22.262	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	16386	11.856	ug/l	96
77) Bromobenzene	11.47	156	61113	21.870	ug/l	82
78) n-propylbenzene	11.58	91	307240	23.134	ug/l	97
79) 2-Chlorotoluene	11.70	91	162834	22.059	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	213687	22.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	16386	29.097	ug/l	94
82) 4-Chlorotoluene	11.88	91	173365	22.905	ug/l	96
83) tert-Butylbenzene	12.12	119	239188	24.288	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	213042	23.100	ug/l	97
85) sec-Butylbenzene	12.29	105	294110	23.085	ug/l	100
86) p-Isopropyltoluene	12.44	119	261243	23.668	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	119122	22.946	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	116398	22.977	ug/l	96
89) n-Butylbenzene	12.83	91	247960	23.547	ug/l	92
90) Hexachloroethane	12.90	117	59071	22.476	ug/l	84
91) 1,2-Dichlorobenzene	12.92	146	111619	22.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6489	21.808	ug/l	69

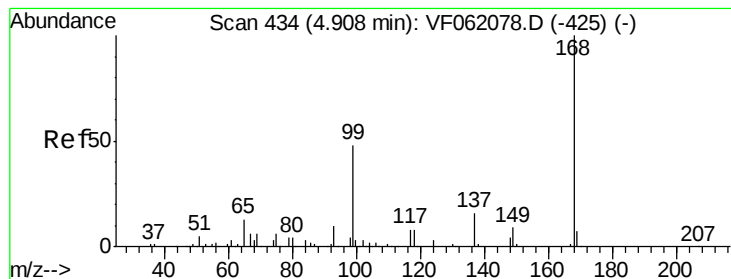
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	78687	23.160	ug/l	97
94) Hexachlorobutadiene	14.18	225	50858	22.514	ug/l	96
95) Naphthalene	14.44	128	125553	21.088	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70930	22.303	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

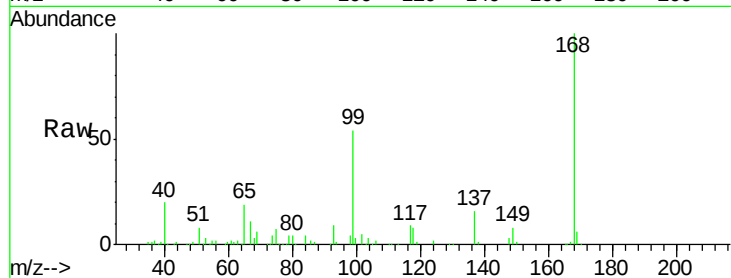
VF0326SBS01

Tot Ion:168 Resp: 236350

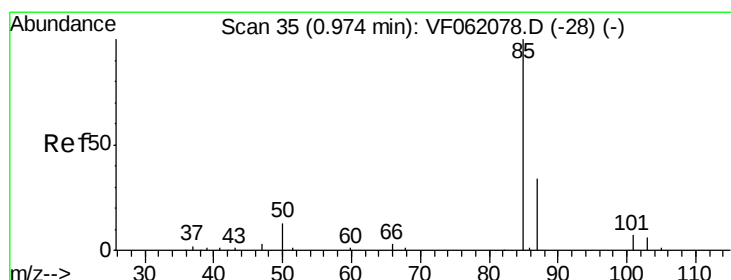
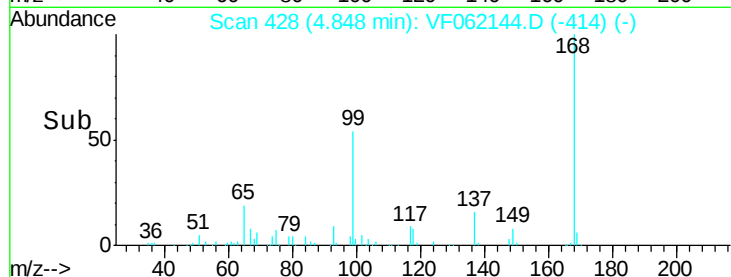
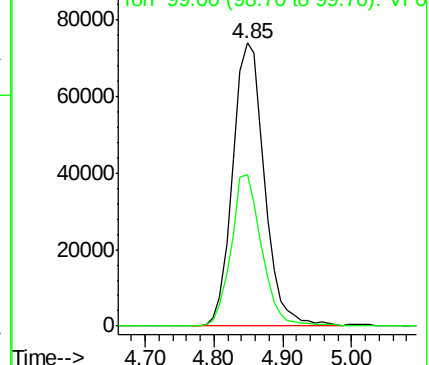
Ion Ratio Lower Upper

168 100

99 53.6 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.004 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062144.D

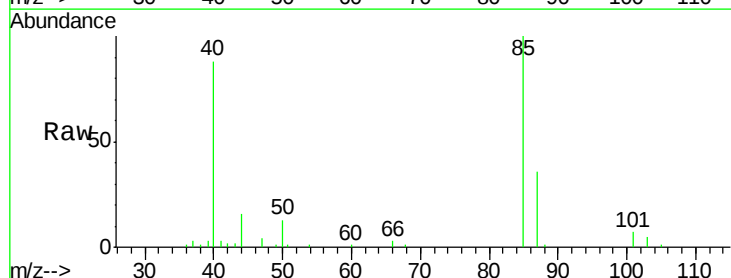
Acq: 26 Mar 2019 14:22

Tgt Ion: 85 Resp: 72680

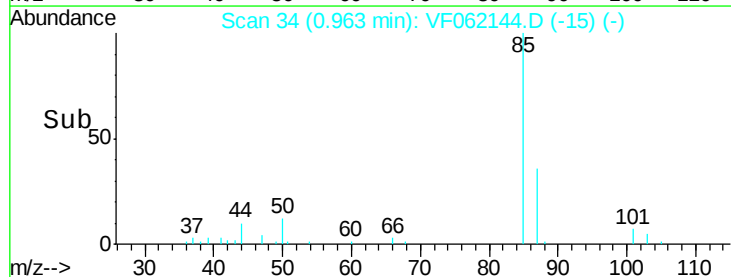
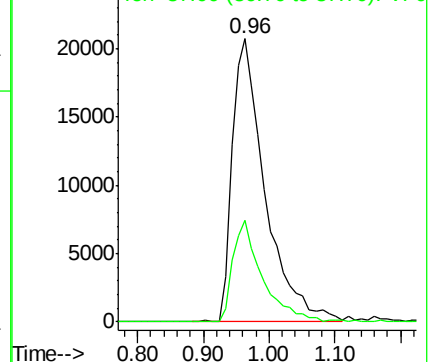
Ion Ratio Lower Upper

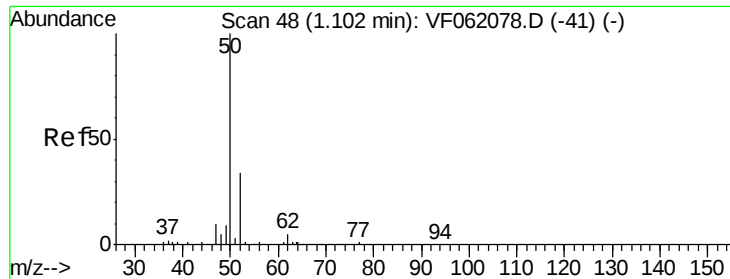
85 100

87 35.8 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.587 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

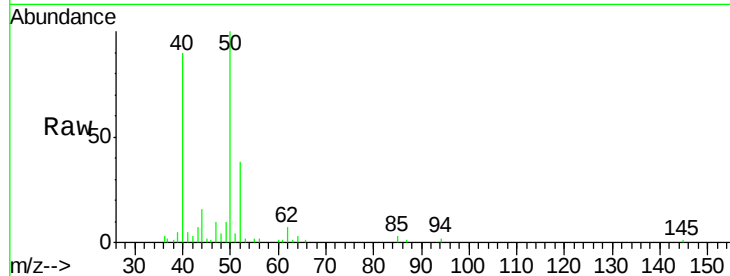
VF0326SBS01

Tot Ion: 50 Resp: 74728

Ion Ratio Lower Upper

50 100

52 38.1 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

20000

15000

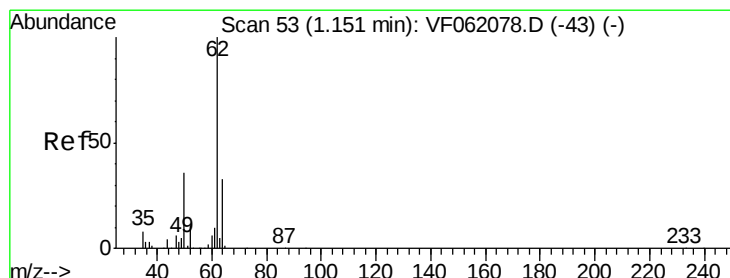
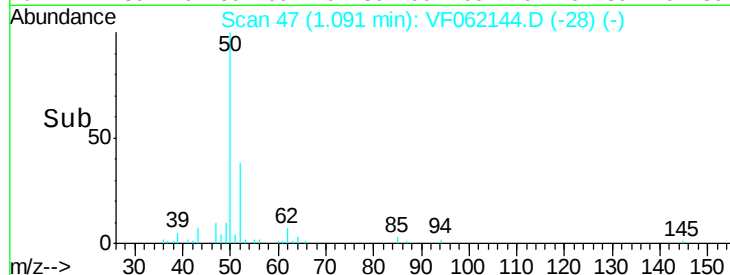
10000

5000

0

0.90 1.00 1.10 1.20 1.30

Time-->



#4

Vinyl Chloride

Concen: 24.511 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062144.D

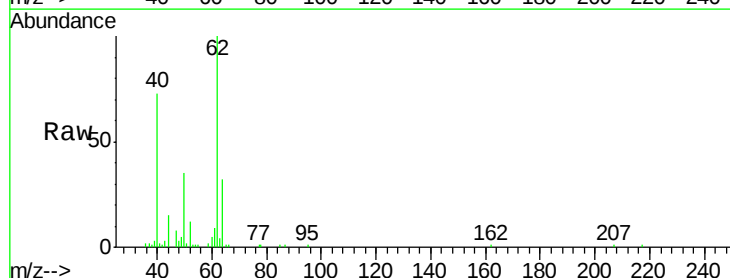
Acq: 26 Mar 2019 14:22

Tgt Ion: 62 Resp: 71830

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.13

20000

15000

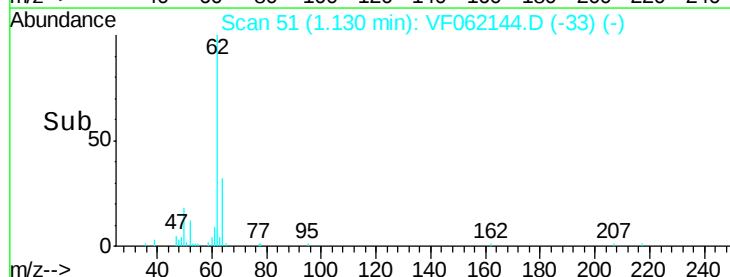
10000

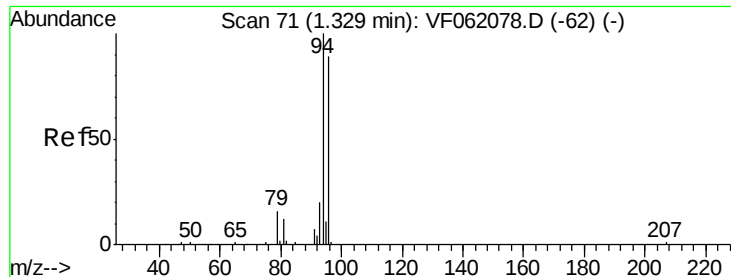
5000

0

1.00 1.10 1.20 1.30

Time-->





#5

Bromomethane

Concen: 23.971 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

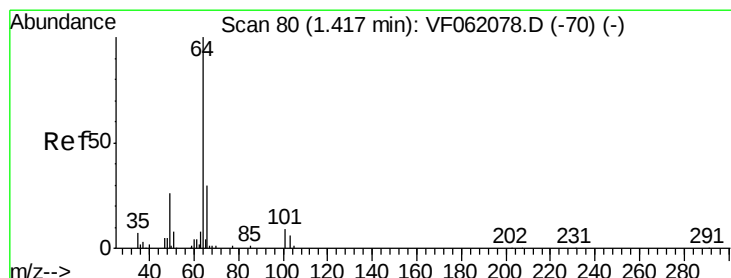
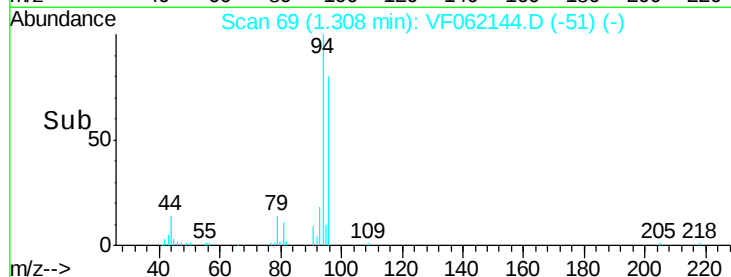
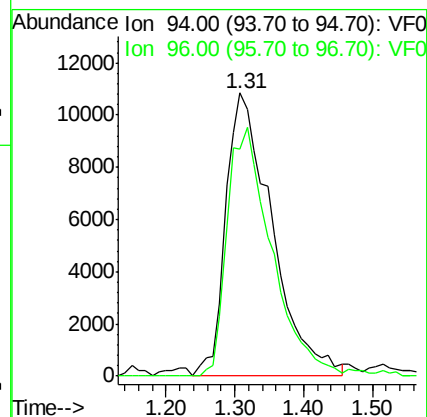
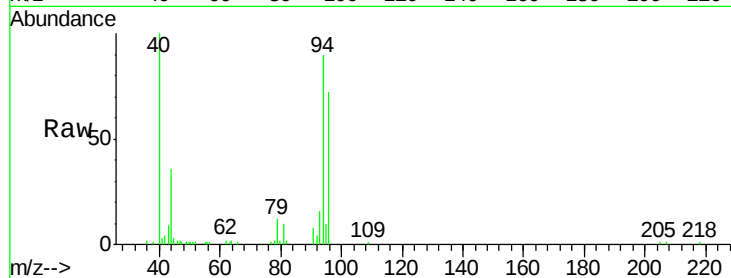
VF0326SBS01

Tot Ion: 94 Resp: 50496

Ion Ratio Lower Upper

94 100

96 80.3 70.9 106.3



#6

Chloroethane

Concen: 23.929 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062144.D

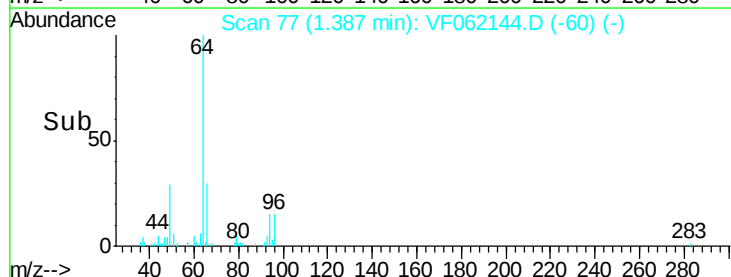
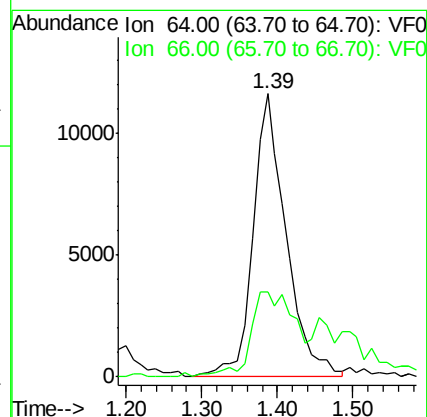
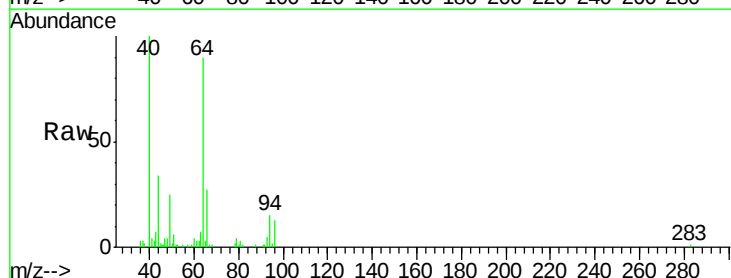
Acq: 26 Mar 2019 14:22

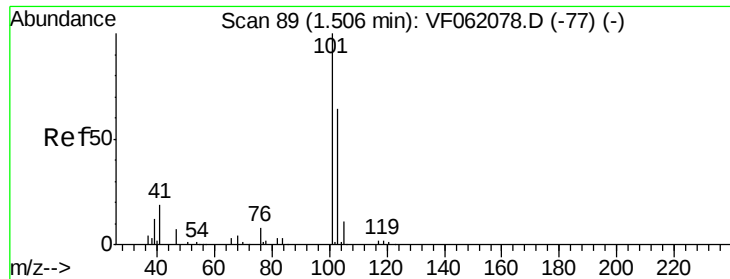
Tgt Ion: 64 Resp: 35301

Ion Ratio Lower Upper

64 100

66 30.1 24.5 36.7





#7

Trichlorofluoromethane

Concen: 24.591 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

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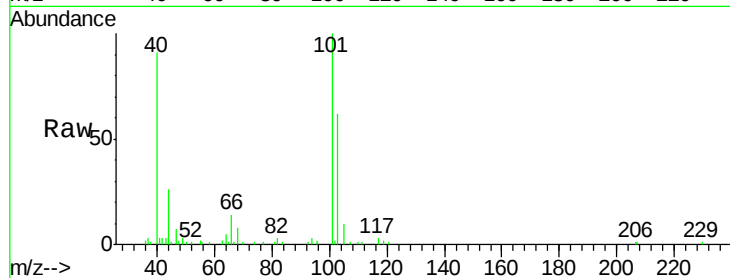
VF0326SBS01

Tot Ion:101 Resp: 87035

Ion Ratio Lower Upper

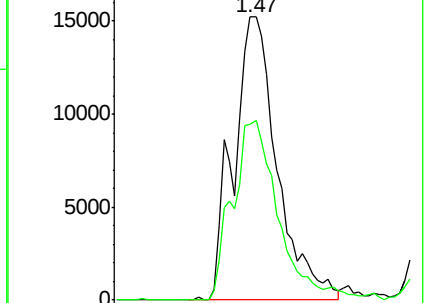
101 100

103 62.2 51.5 77.3

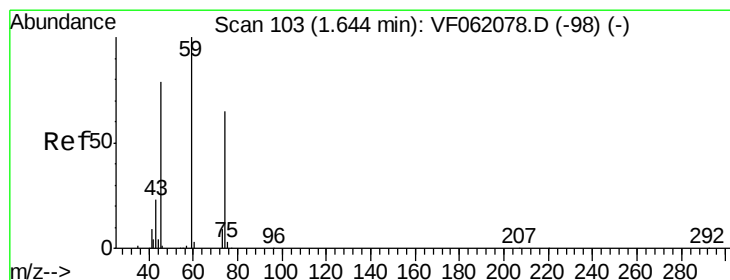
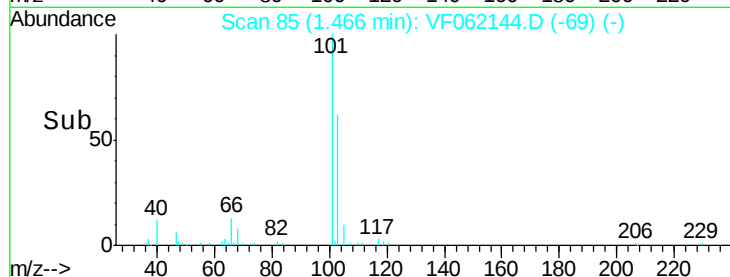


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#8

Diethyl Ether

Concen: 23.083 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF062144.D

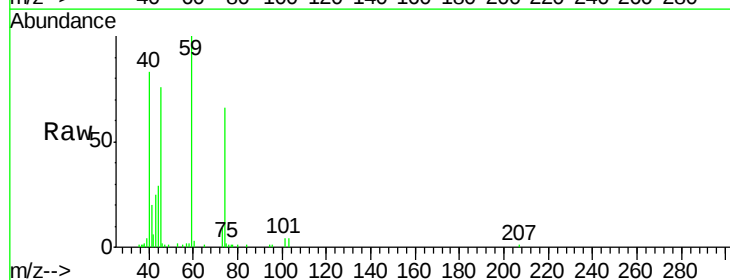
Acq: 26 Mar 2019 14:22

Tgt Ion: 74 Resp: 18662

Ion Ratio Lower Upper

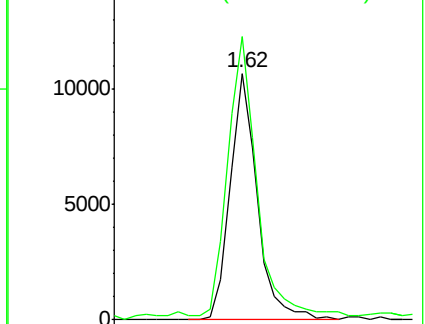
74 100

45 114.8 61.4 184.2

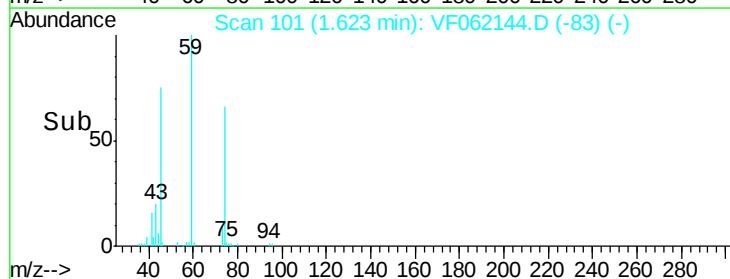


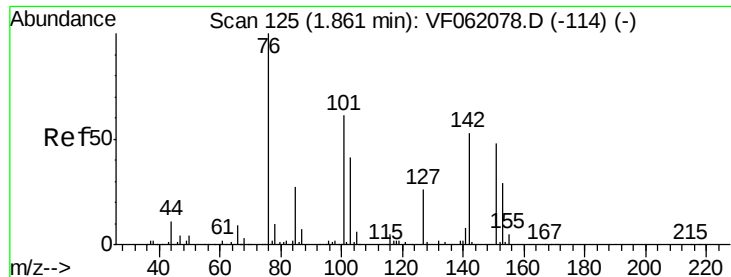
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.772 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

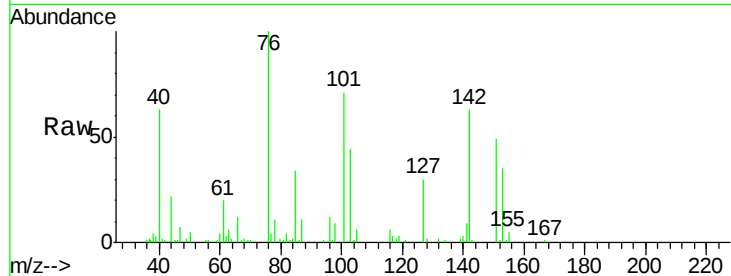
Tot Ion:101 Resp: 54983

Ion Ratio Lower Upper

101 100

85 47.4 34.6 52.0

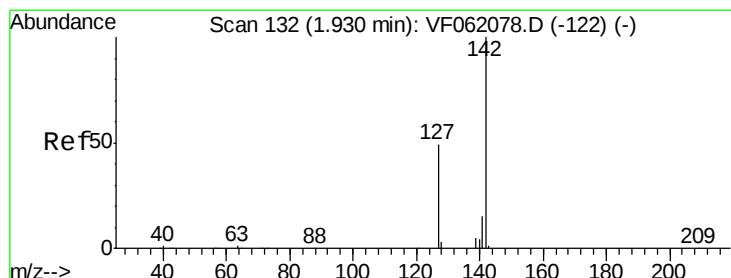
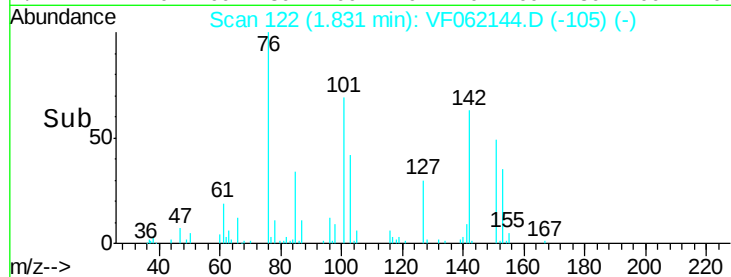
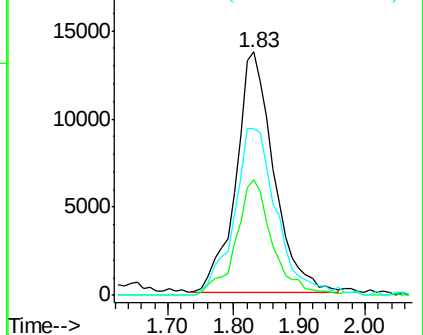
151 68.6 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.046 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

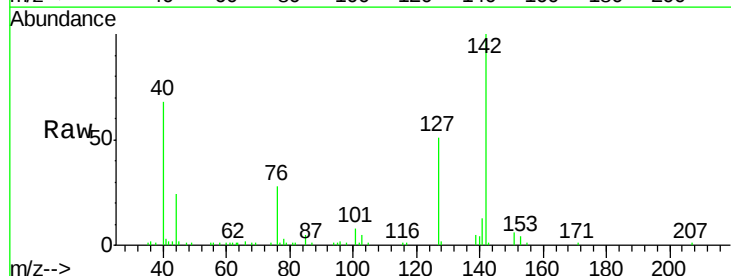
Tgt Ion:142 Resp: 78215

Ion Ratio Lower Upper

142 100

127 50.6 39.1 58.7

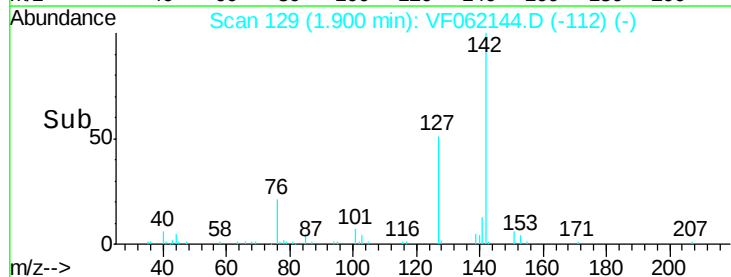
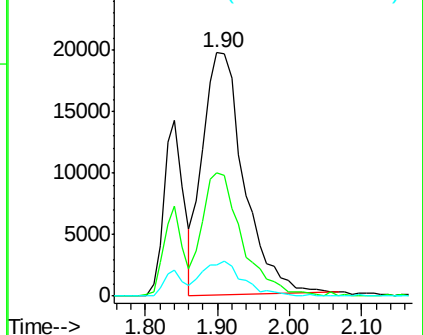
141 13.0 12.2 18.4

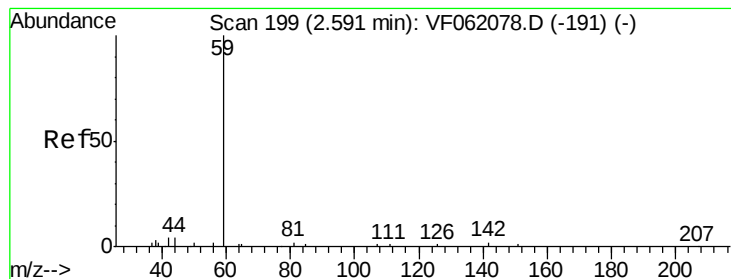


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



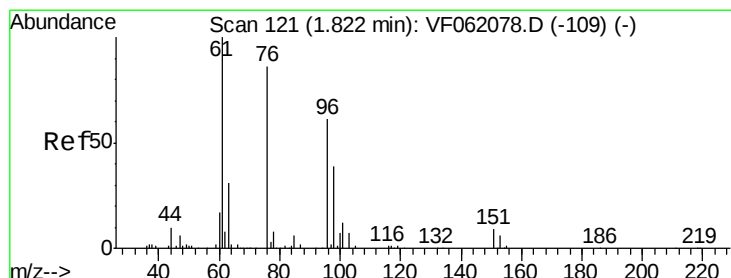
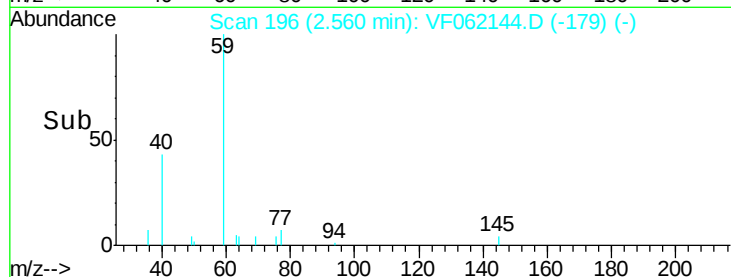
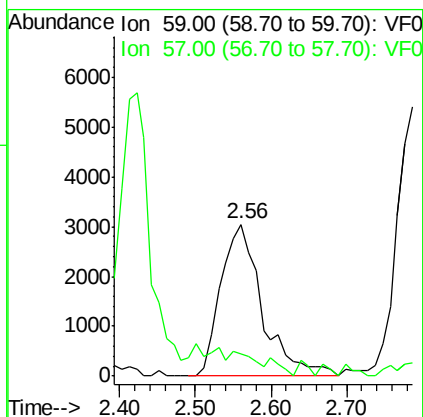
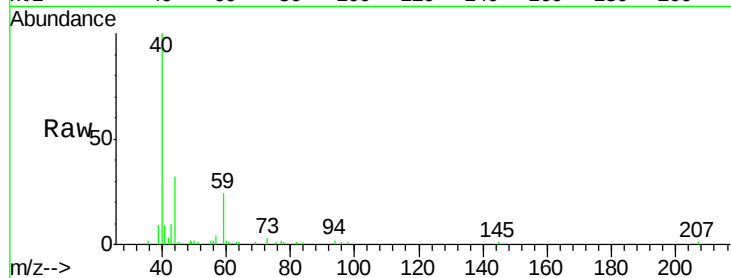


#11

Tert butyl alcohol
Concen: 119.738 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

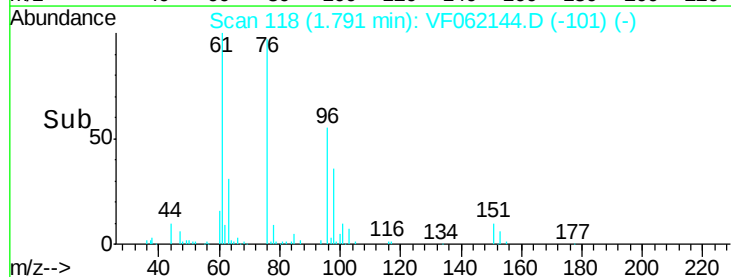
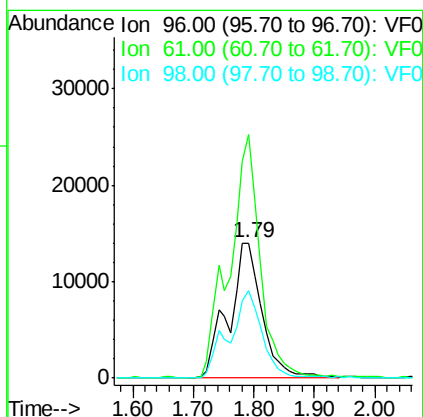
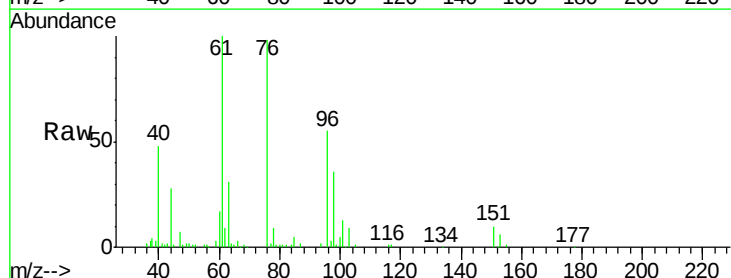
Tot Ion: 59 Resp: 11582
Ion Ratio Lower Upper
59 100
57 14.9 11.0 16.4

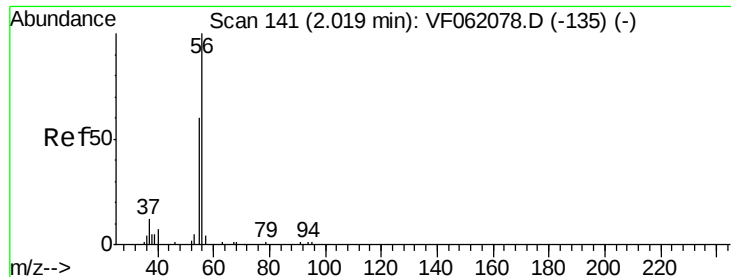


#12

1,1-Dichloroethene
Concen: 23.671 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 96 Resp: 53928
Ion Ratio Lower Upper
96 100
61 180.2 131.0 196.6
98 64.4 51.5 77.3





#13

Acrolein

Concen: 114.834 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

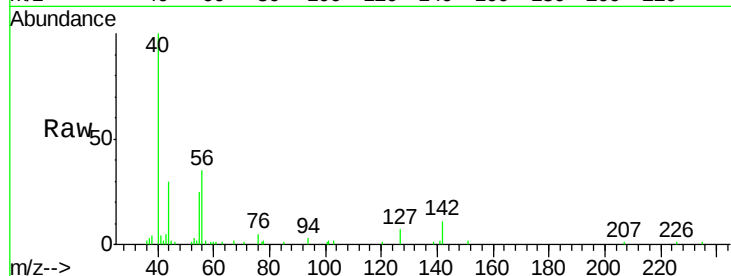
VF0326SBS01

Tot Ion: 56 Resp: 13357

Ion Ratio Lower Upper

56 100

55 72.9 49.0 73.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

5000

4000

3000

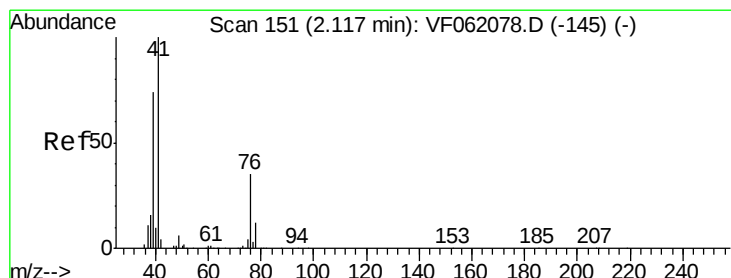
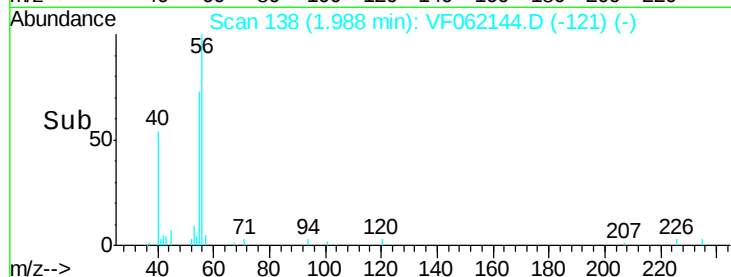
2000

1000

0

Time-->

1.90 2.00 2.10



#14

Allyl chloride

Concen: 26.523 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

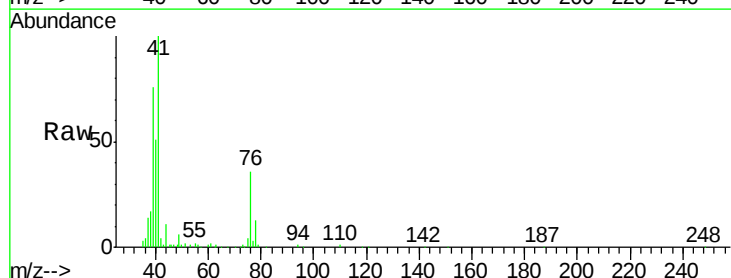
Tgt Ion: 41 Resp: 64513

Ion Ratio Lower Upper

41 100

39 76.4 59.8 89.8

76 36.1 30.0 45.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

40000

30000

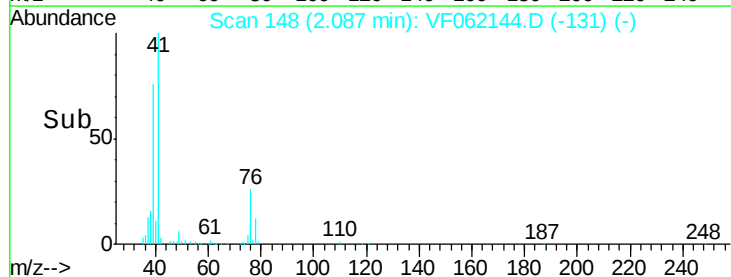
20000

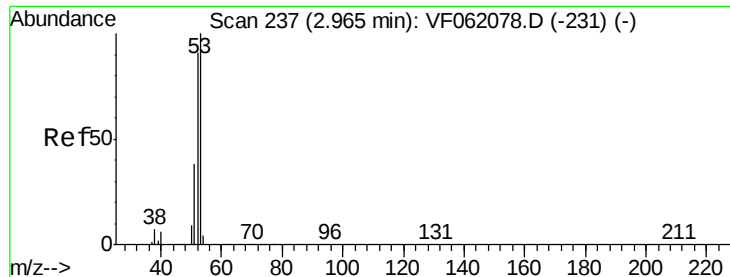
10000

0

Time-->

2.00 2.05 2.10 2.15





#15

Acrylonitrile

Concen: 110.063 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

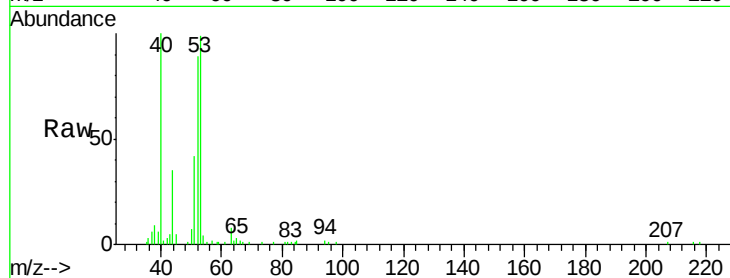
MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 53 Resp: 37437

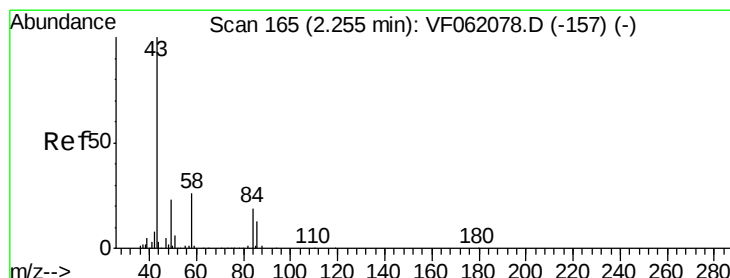
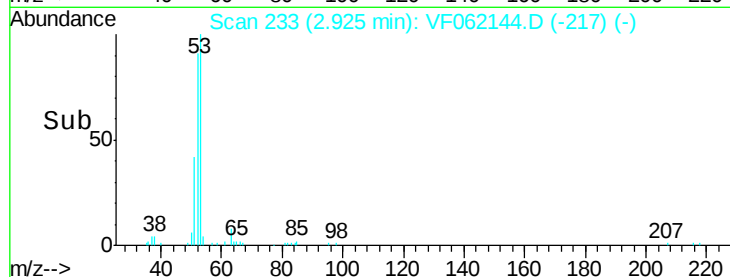
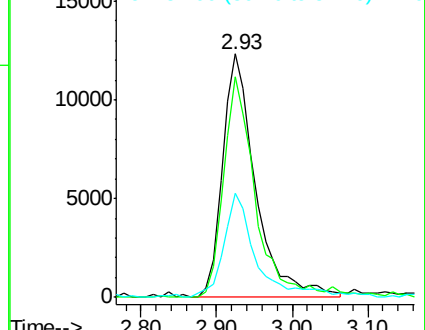
Ion	Ratio	Lower	Upper
53	100		
52	90.6	72.3	108.5
51	42.6	30.4	45.6



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: 111.831 ug/l

RT: 2.22 min Scan# 162

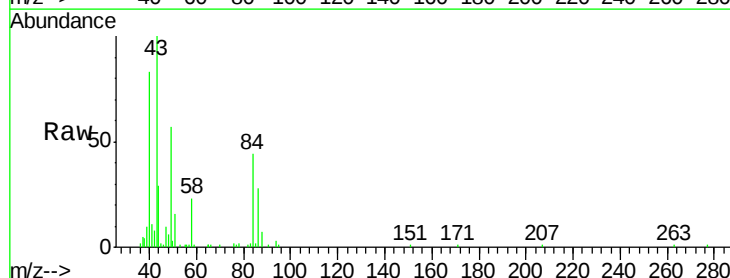
Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

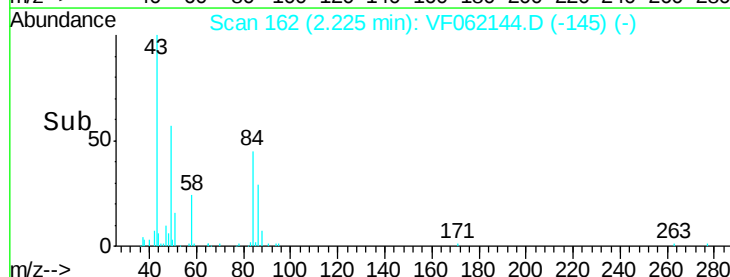
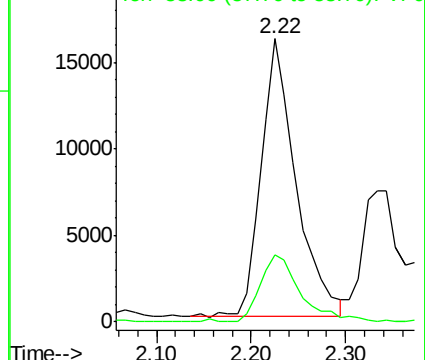
Tgt Ion: 43 Resp: 41377

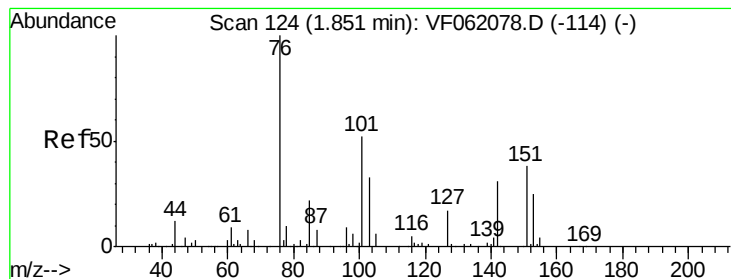
Ion	Ratio	Lower	Upper
43	100		
58	23.5	20.8	31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.513 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

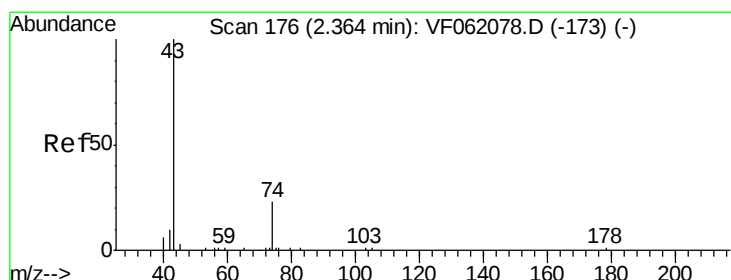
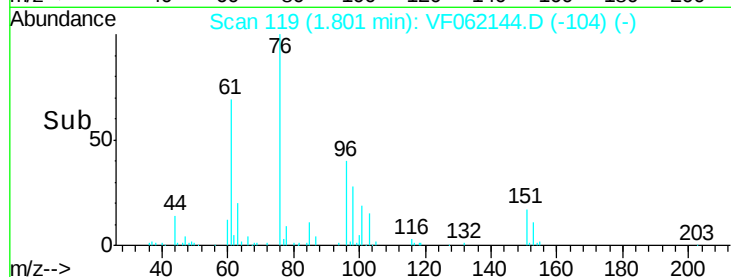
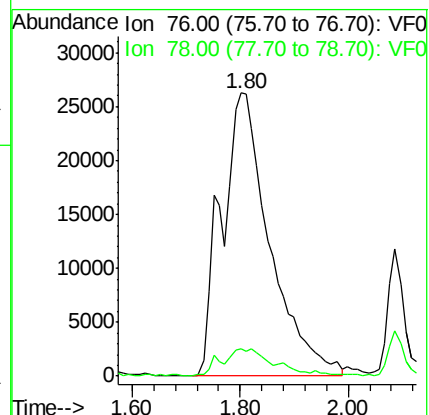
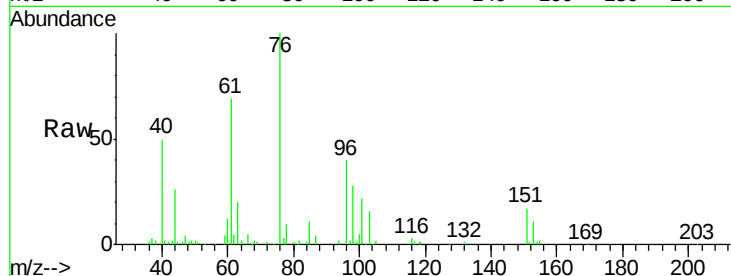
VF0326SBS01

Tot Ion: 76 Resp: 163353

Ion Ratio Lower Upper

76 100

78 9.6 7.9 11.9



#18

Methyl Acetate

Concen: 18.750 ug/l

RT: 2.41 min Scan# 181

Delta R.T. 0.05 min

Lab File: VF062144.D

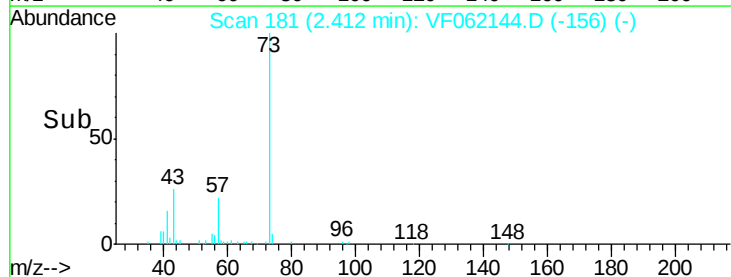
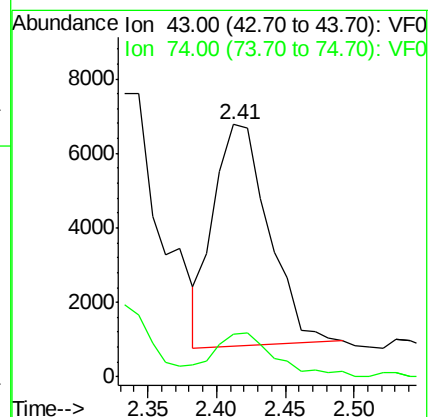
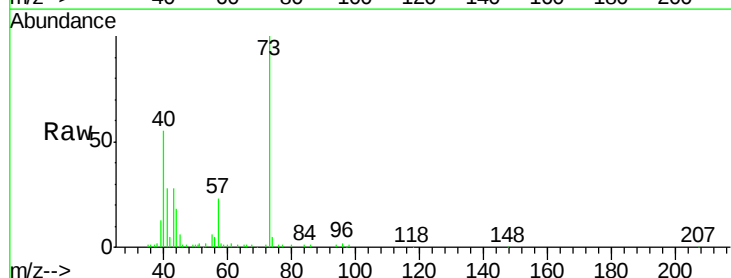
Acq: 26 Mar 2019 14:22

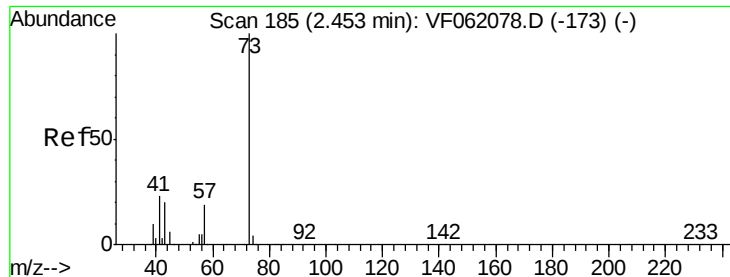
Tgt Ion: 43 Resp: 16549

Ion Ratio Lower Upper

43 100

74 17.0 16.3 24.5

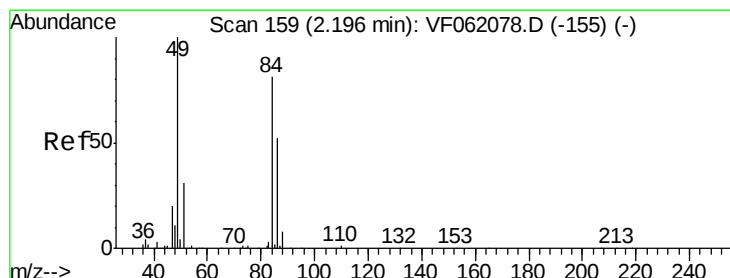
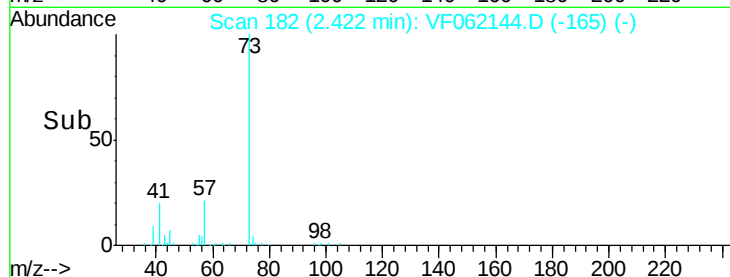
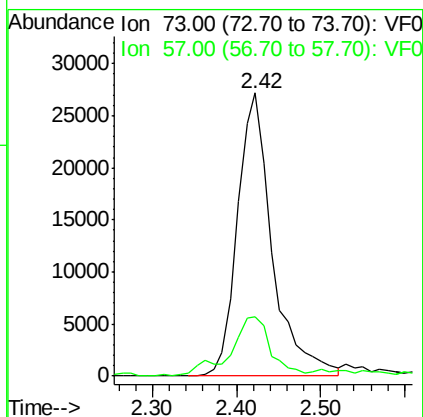
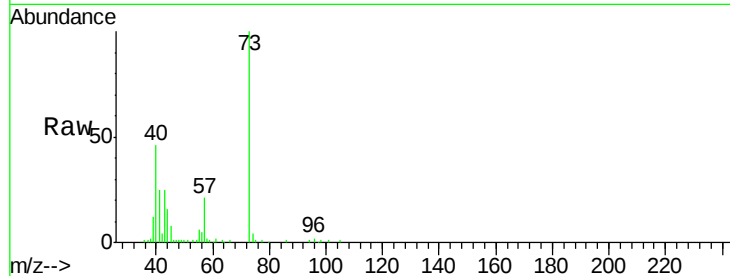




#19
Methvl tert-butvl Ether
Concen: 21.814 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

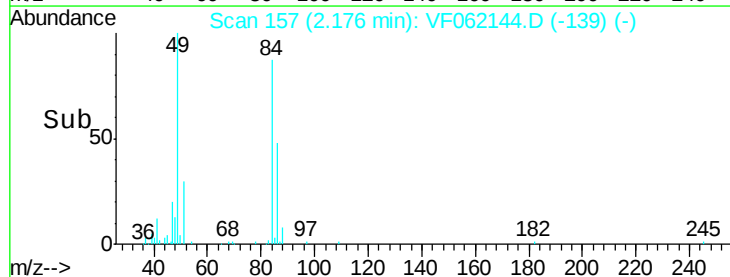
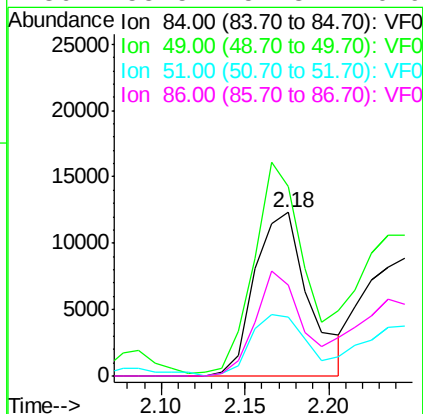
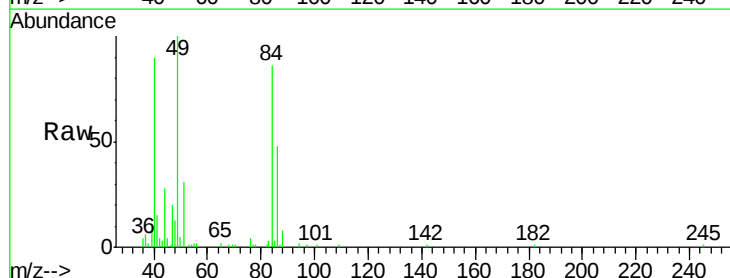
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

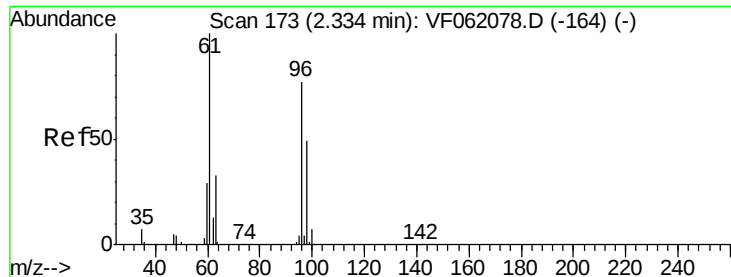
Tot Ion: 73 Resp: 78545
Ion Ratio Lower Upper
73 100
57 20.9 15.1 22.7



#20
Methylene Chloride
Concen: 9.762 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 84 Resp: 27467
Ion Ratio Lower Upper
84 100
49 116.1 100.4 150.6
51 35.9 31.0 46.6
86 55.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 23.831 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

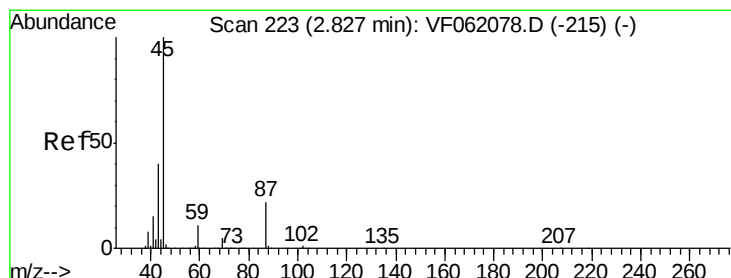
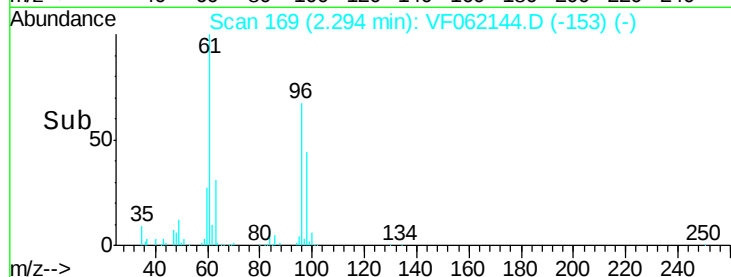
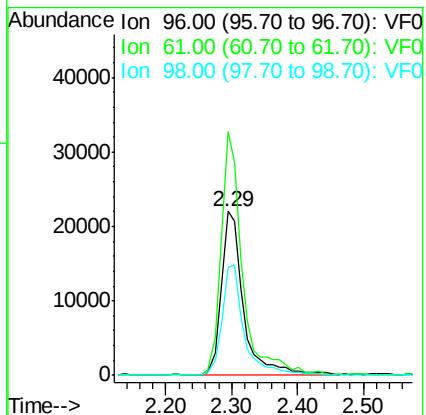
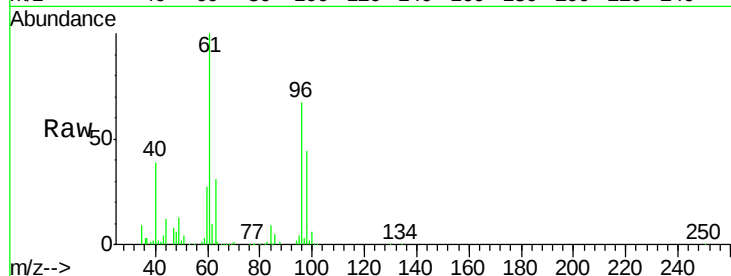
Tot Ion: 96 Resp: 52238

Ion Ratio Lower Upper

96 100

61 148.8 104.5 156.7

98 66.1 51.2 76.8



#22

Diisopropyl ether

Concen: 22.706 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion: 45 Resp: 144803

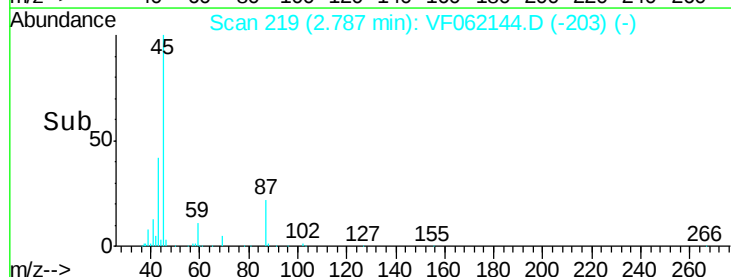
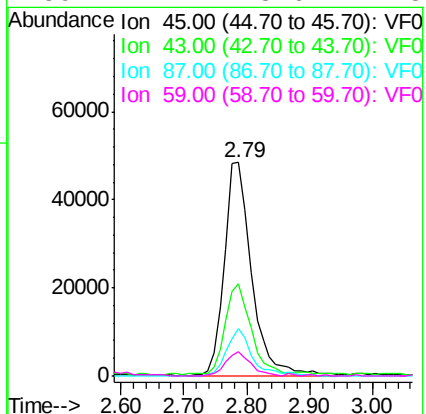
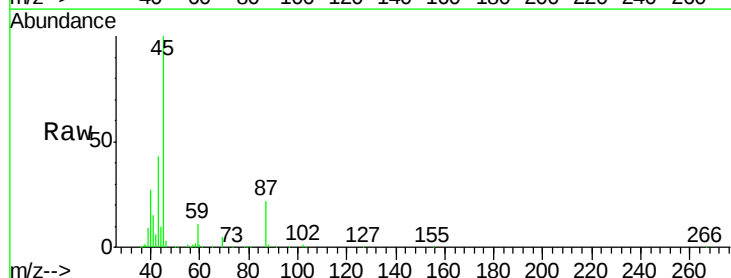
Ion Ratio Lower Upper

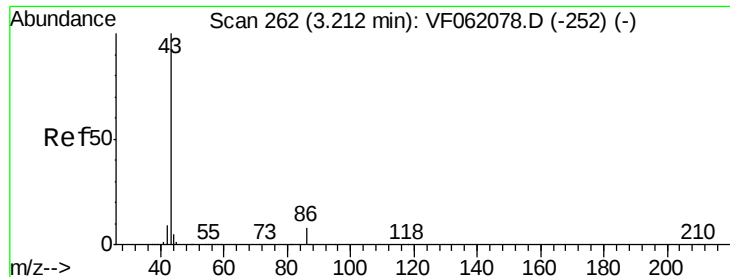
45 100

43 43.3 32.5 48.7

87 22.0 17.4 26.2

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 119.398 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

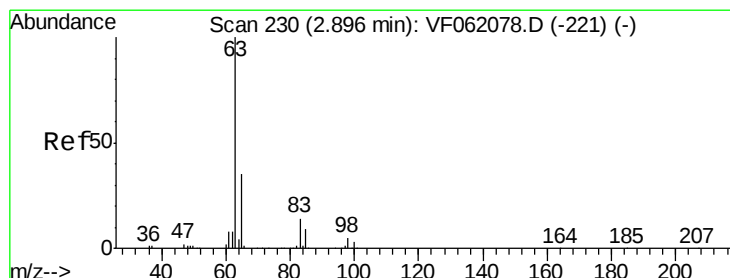
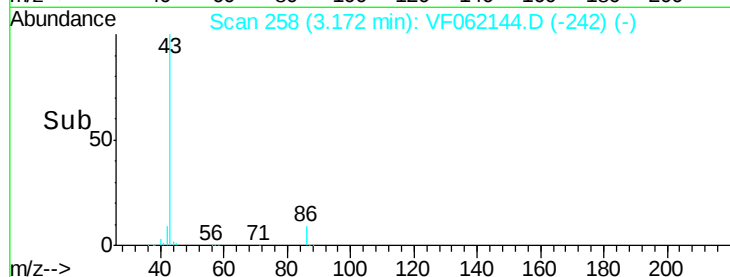
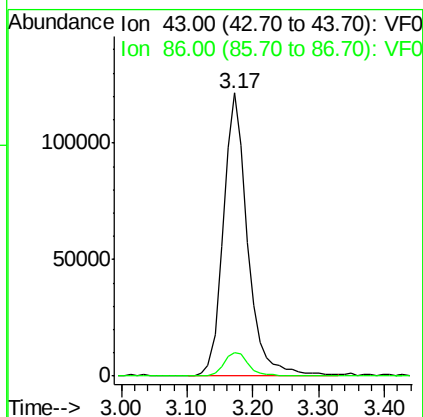
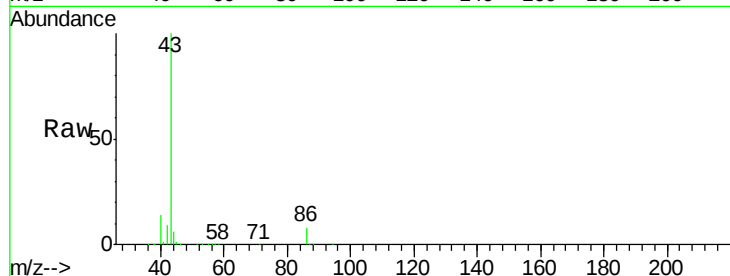
VF0326SBS01

Tot Ion: 43 Resp: 311754

Ion Ratio Lower Upper

43 100

86 8.5 6.8 10.2



#24

1,1-Dichloroethane

Concen: 24.054 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

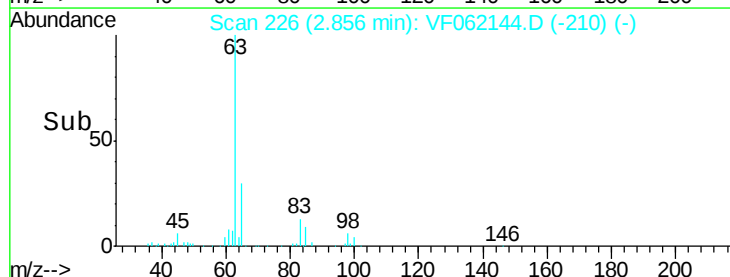
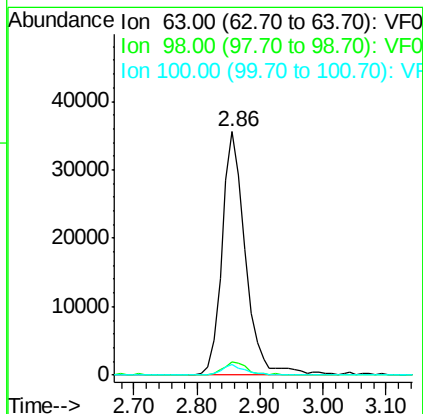
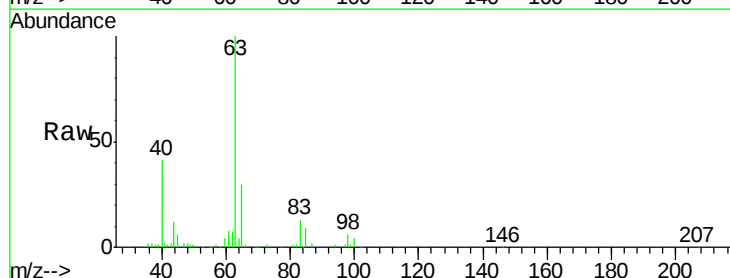
Tgt Ion: 63 Resp: 91991

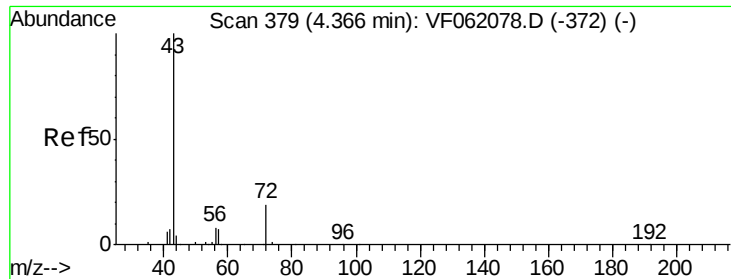
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 4.2 1.7 5.1





#25

2-Butanone

Concen: 103.702 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

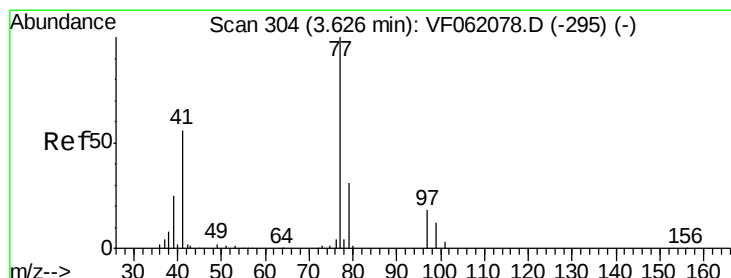
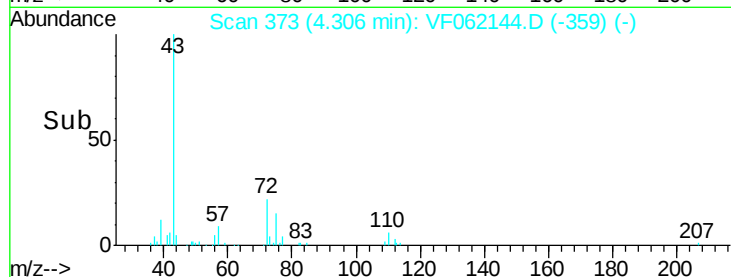
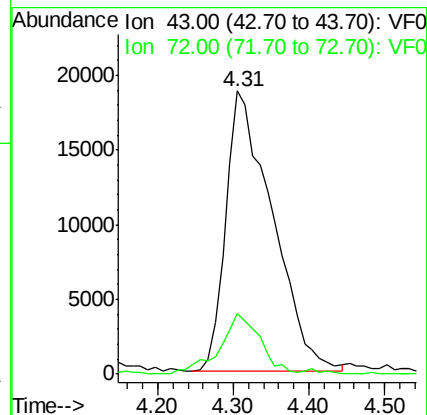
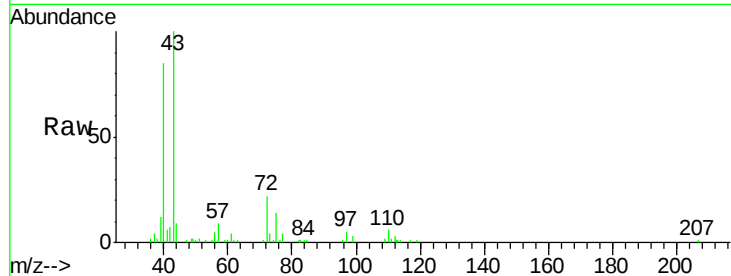
VF0326SBS01

Tot Ion: 43 Resp: 80101

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1



#26

2,2-Dichloropropane

Concen: 24.834 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF062144.D

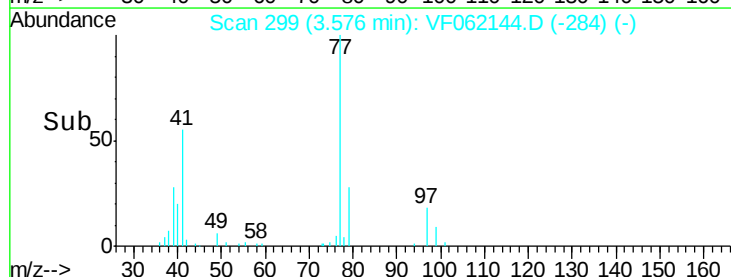
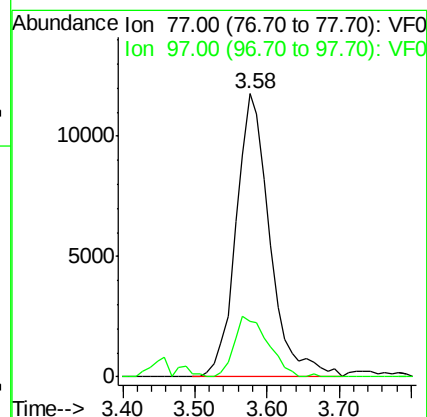
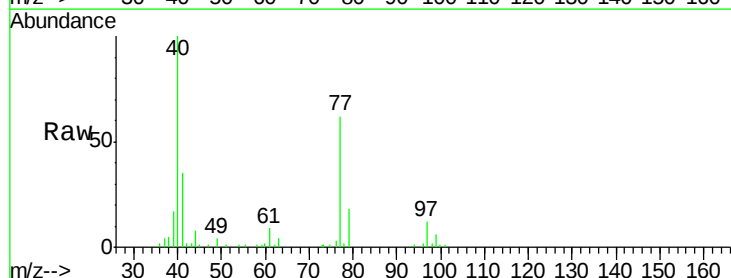
Acq: 26 Mar 2019 14:22

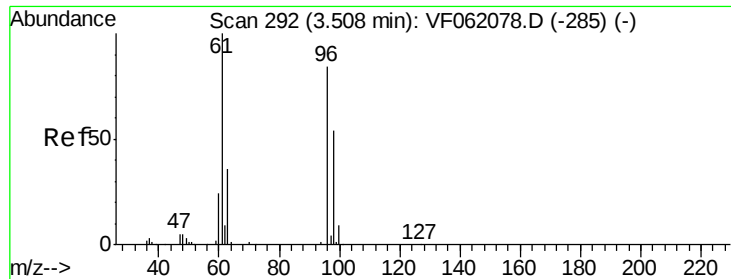
Tgt Ion: 77 Resp: 38507

Ion Ratio Lower Upper

77 100

97 19.8 10.3 30.9



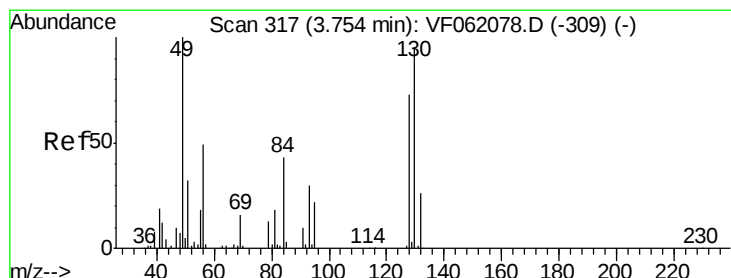
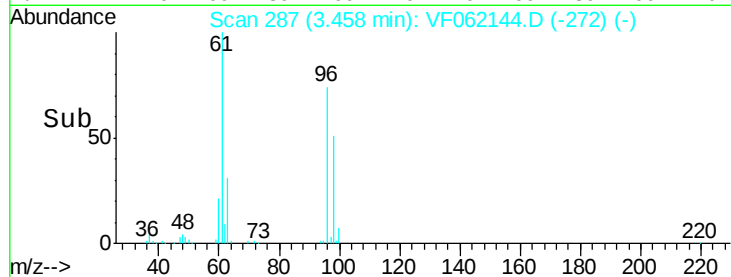
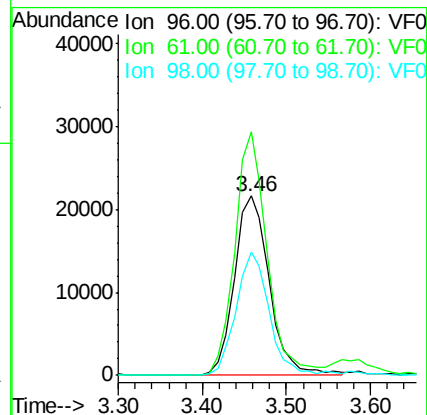
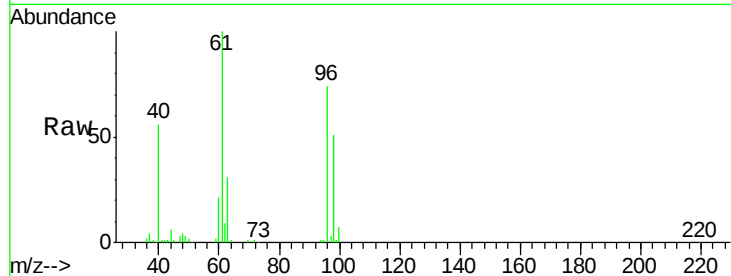


#27

cis-1,2-Dichloroethene
 Concen: 21.496 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

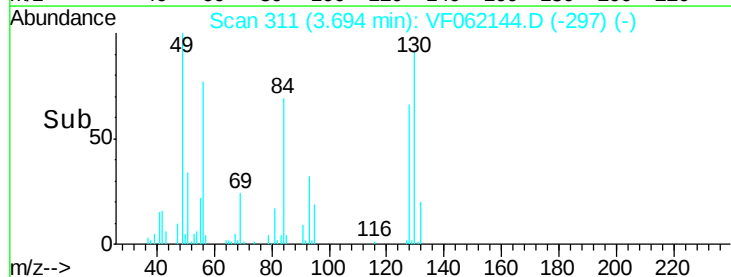
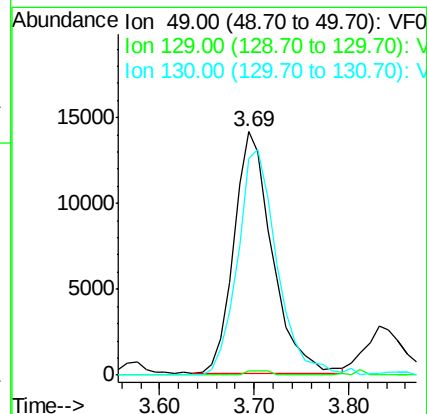
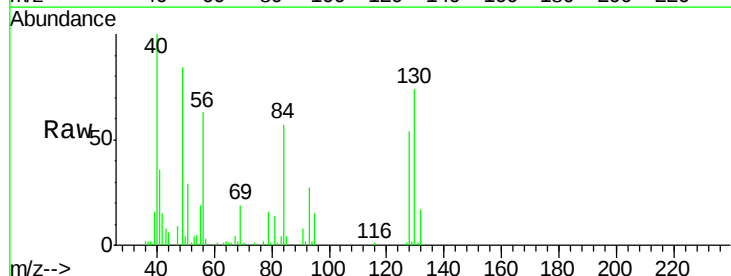
Tot Ion: 96 Resp: 62440
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 239.0
 98 68.7 0.0 128.2

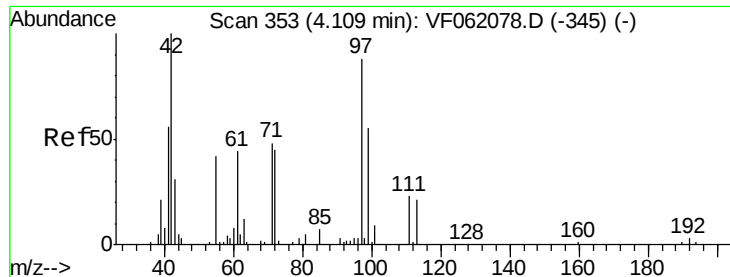


#28

Bromochloromethane
 Concen: 25.207 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 49 Resp: 39386
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 5.6
 130 88.8 75.5 113.3





#29

Tetrahydrofuran

Concen: 94.549 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

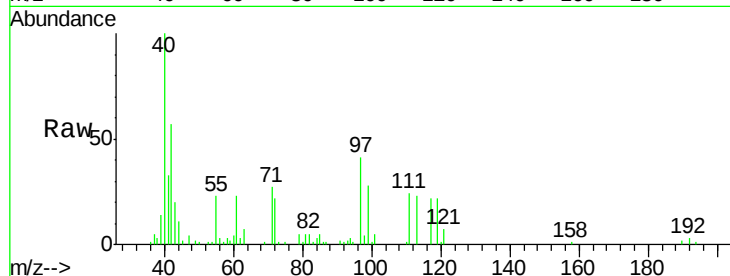
Tot Ion: 42 Resp: 31753

Ion Ratio Lower Upper

42 100

72 43.7 33.3 49.9

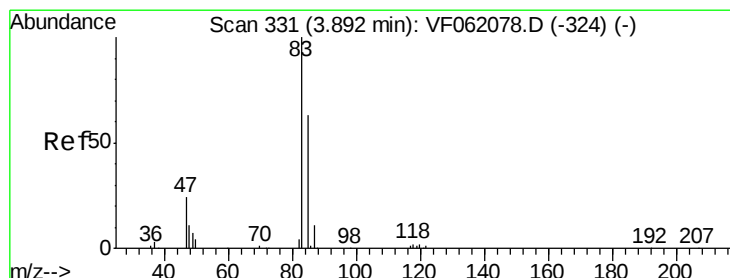
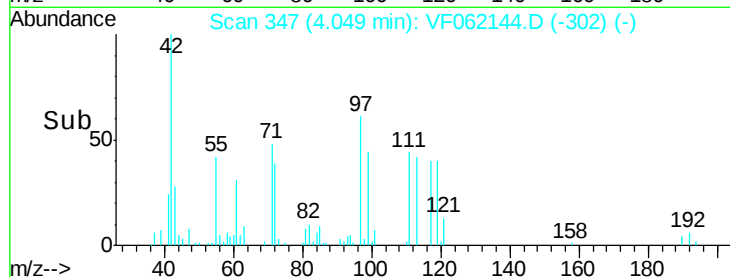
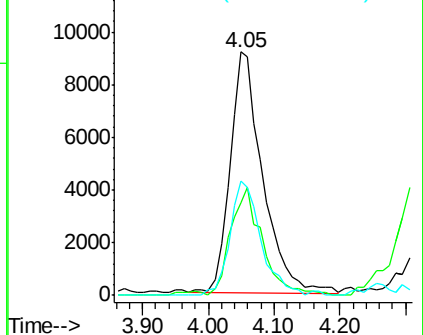
71 45.2 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.470 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF062144.D

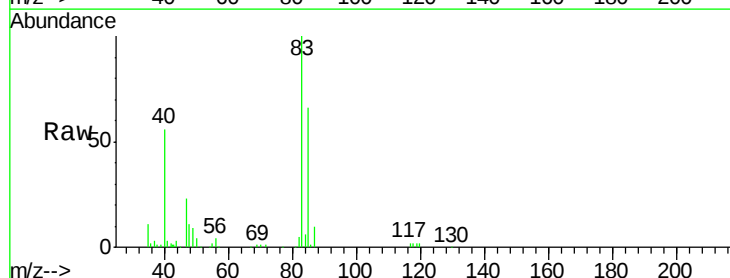
Acq: 26 Mar 2019 14:22

Tgt Ion: 83 Resp: 90817

Ion Ratio Lower Upper

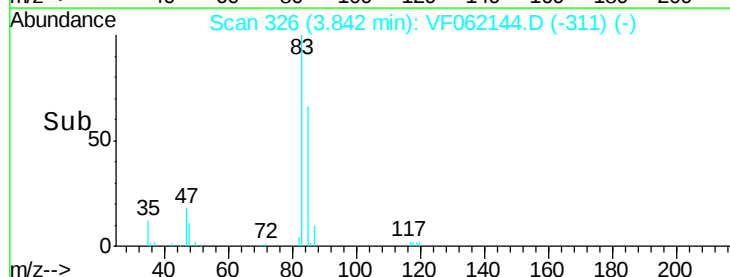
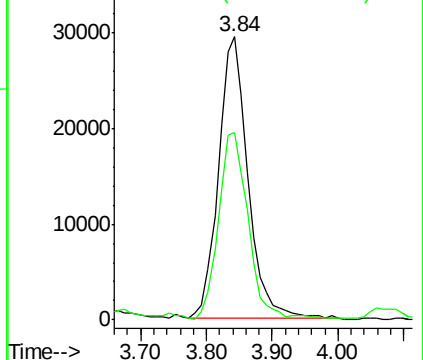
83 100

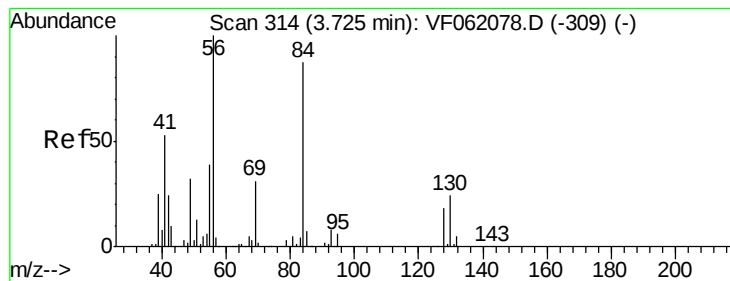
85 66.4 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 13.387 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

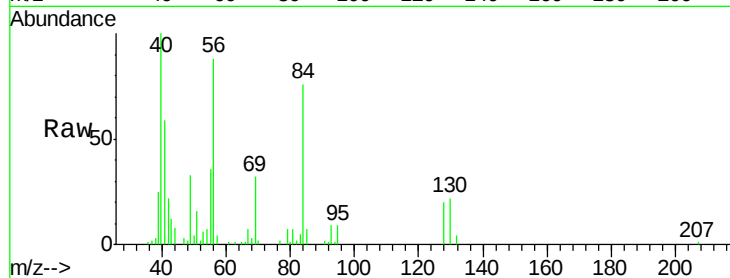
Tot Ion: 56 Resp: 53469

Ion Ratio Lower Upper

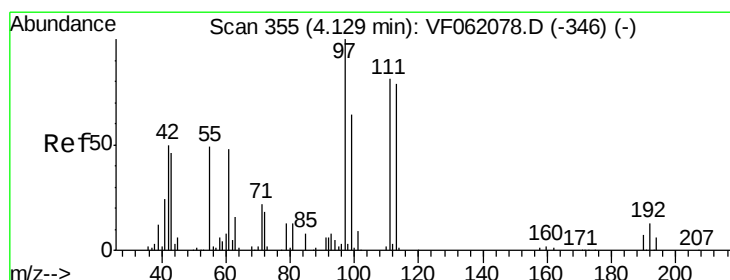
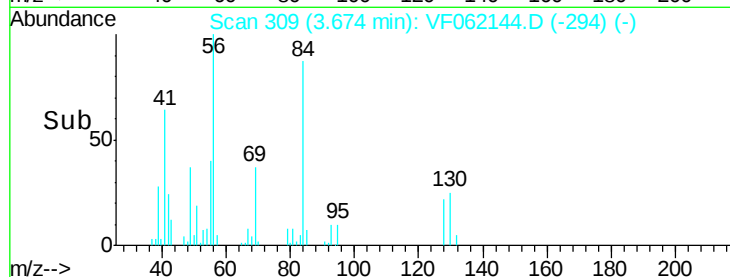
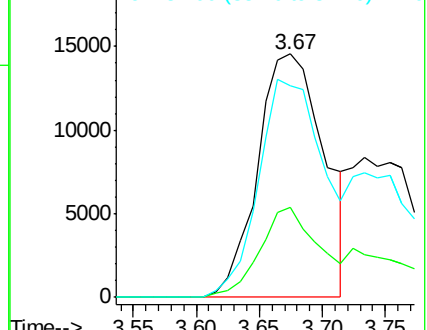
56 100

69 36.9 25.9 38.9

84 86.8 71.1 106.7



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: 24.549 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

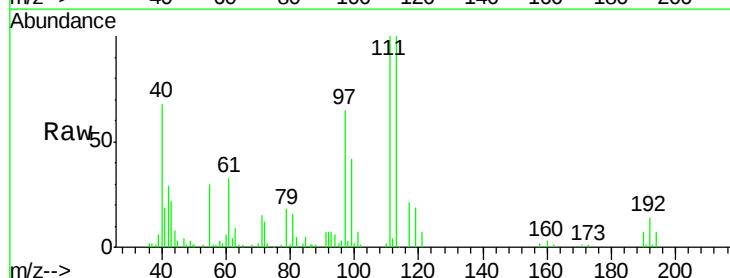
Tgt Ion: 97 Resp: 60356

Ion Ratio Lower Upper

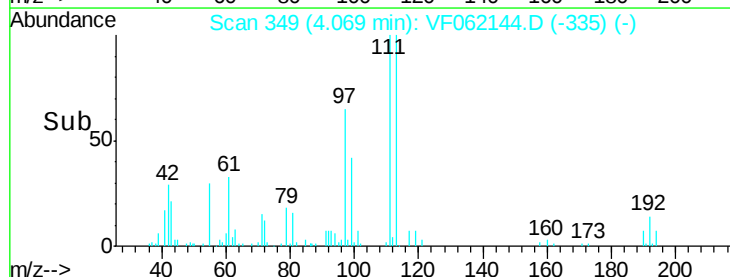
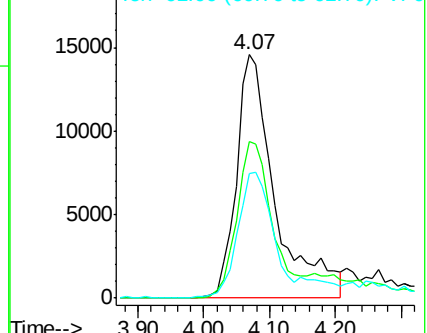
97 100

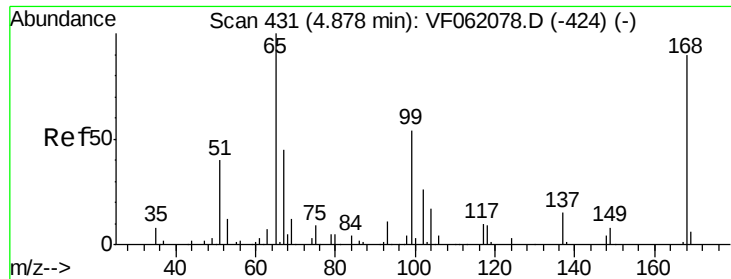
99 64.1 51.3 76.9

61 51.3 39.0 58.6



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

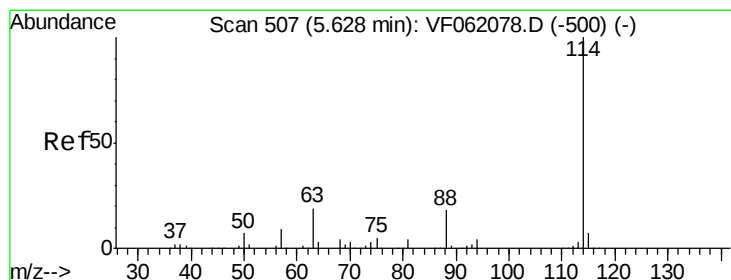
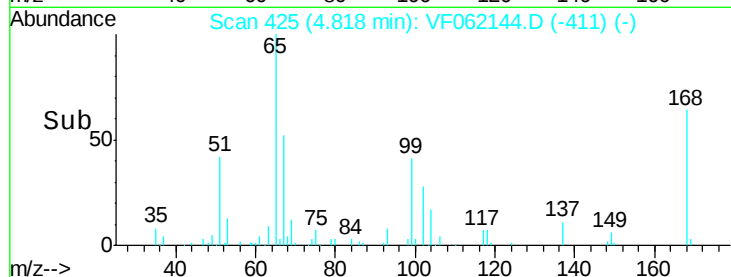
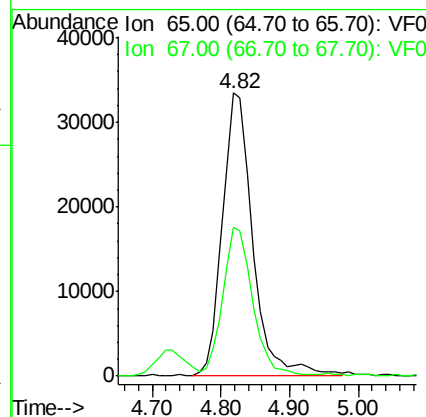
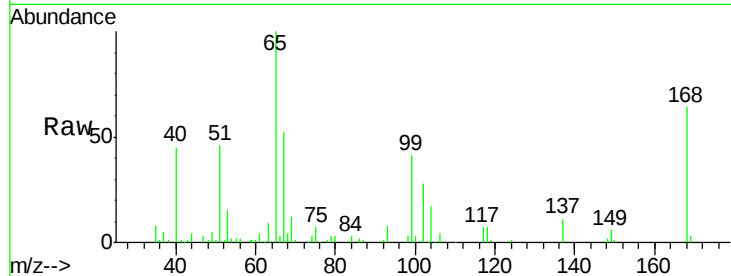




#33
 1,2-Dichloroethane-d4
 Concen: 58.268 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

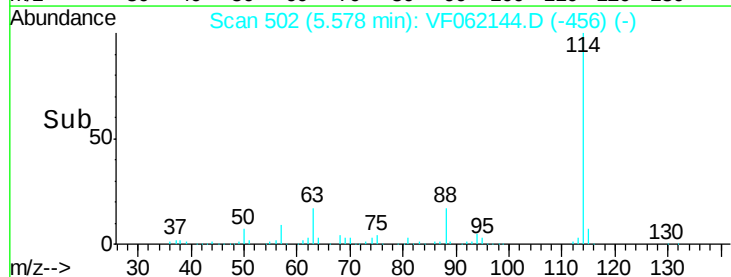
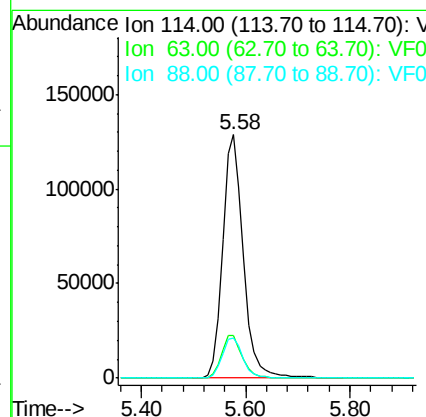
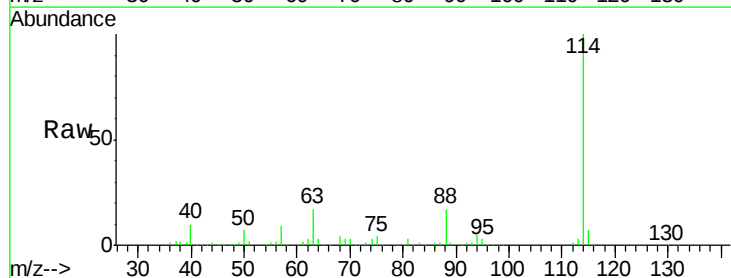
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

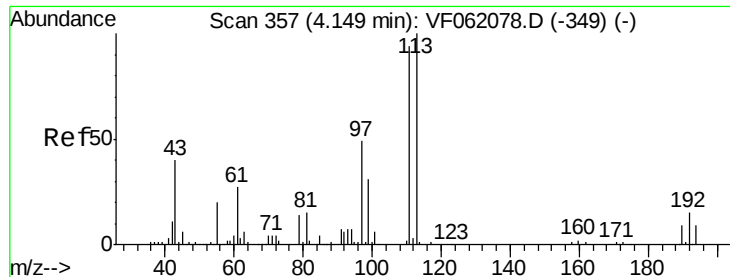
Tot Ion: 65 Resp: 102435
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 114 Resp: 351138
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 37.8
 88 16.7 0.0 36.4





#35

Dibromofluoromethane

Concen: 59.395 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

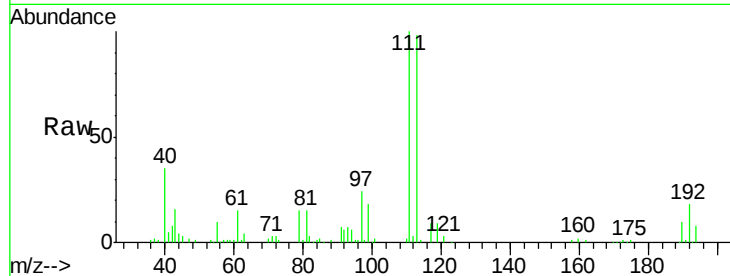
Tot Ion:113 Resp: 141082

Ion Ratio Lower Upper

113 100

111 101.8 75.4 113.0

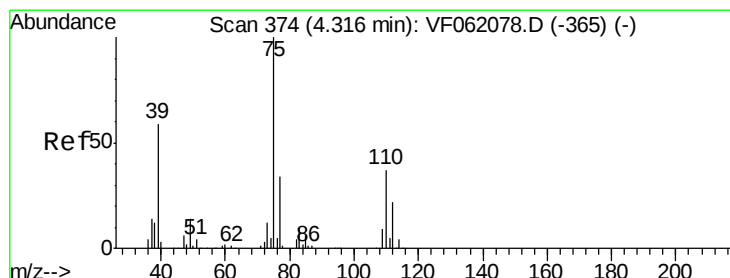
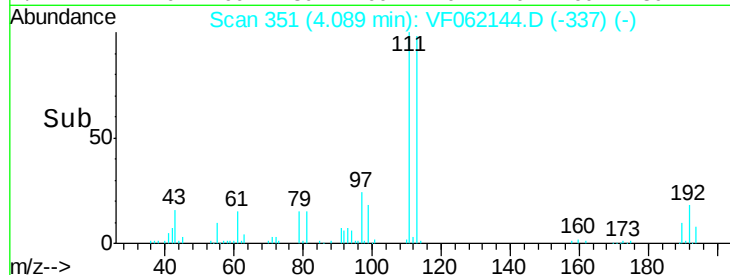
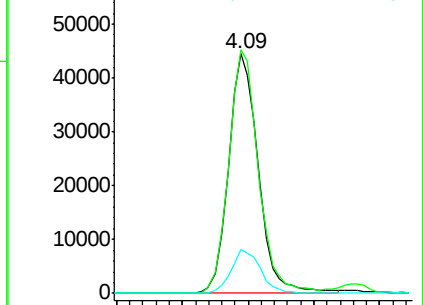
192 18.9 12.3 18.5#



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: 22.716 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

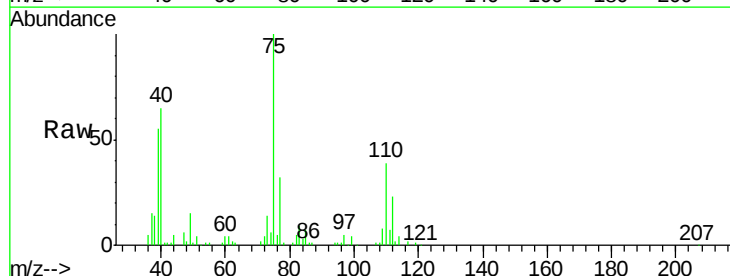
Tgt Ion: 75 Resp: 75977

Ion Ratio Lower Upper

75 100

110 38.9 18.5 55.5

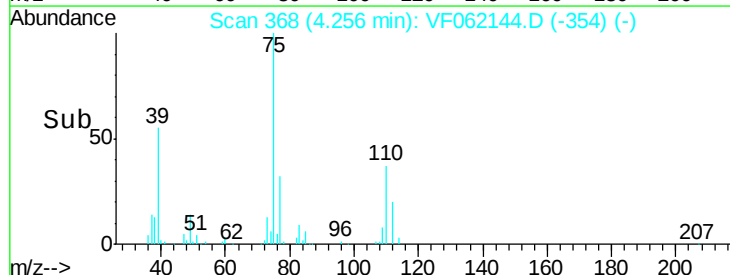
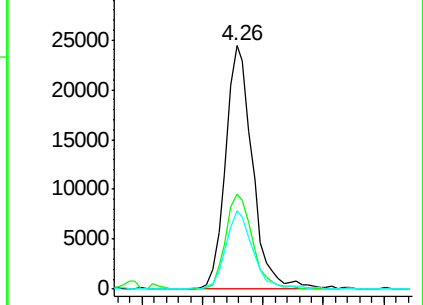
77 32.4 27.4 41.0

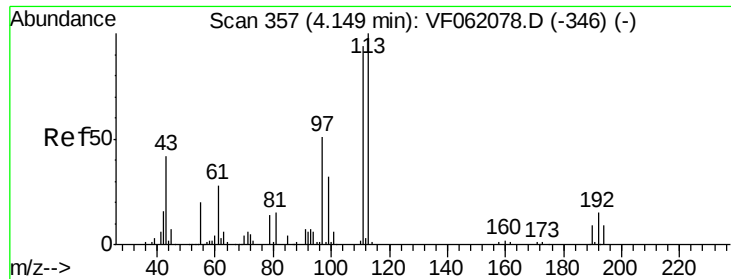


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

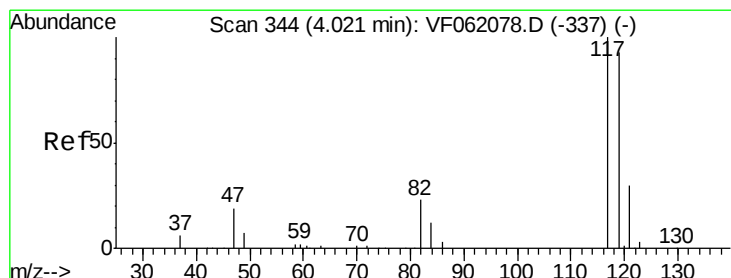
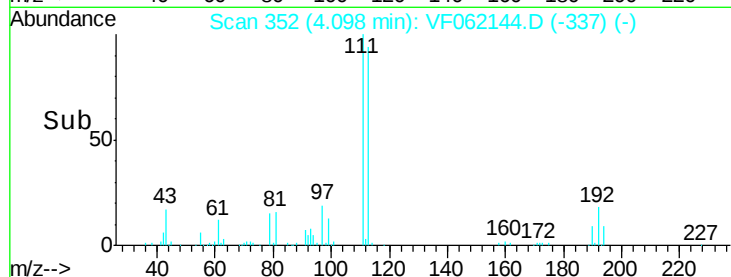
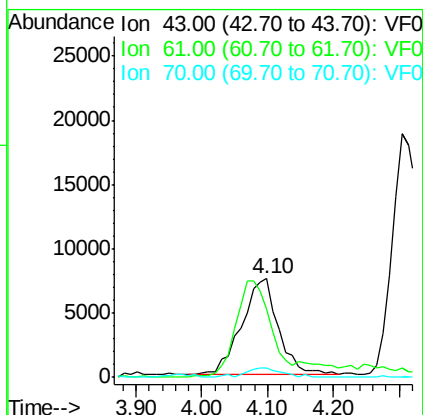
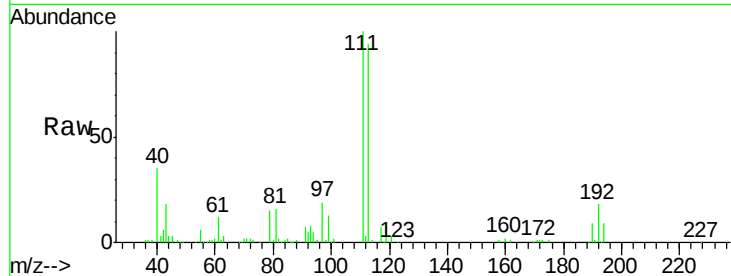




#37
Ethyl Acetate
Concen: 19.932 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

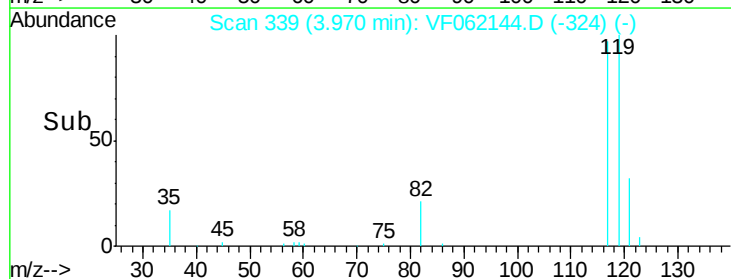
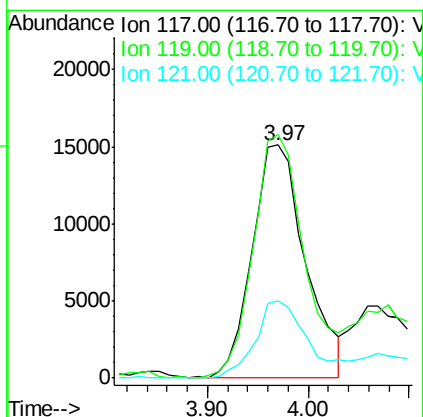
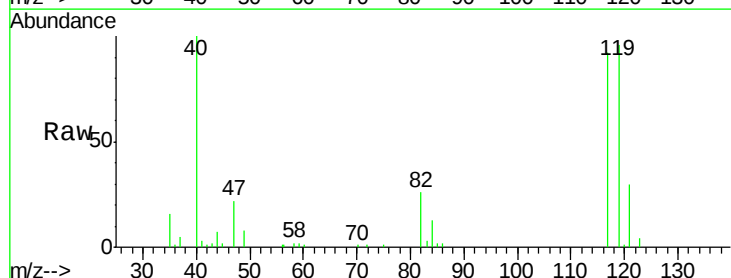
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

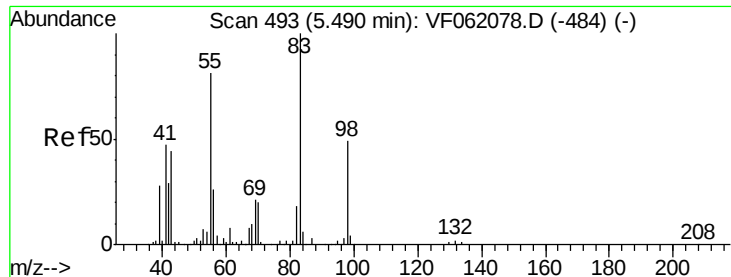
Tot Ion: 43 Resp: 29134
Ion Ratio Lower Upper
43 100
61 68.9 53.6 80.4
70 9.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 24.398 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 117 Resp: 55616
Ion Ratio Lower Upper
117 100
119 104.5 74.7 112.1
121 33.1 23.6 35.4

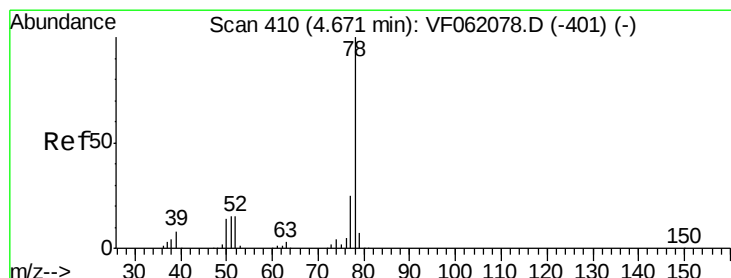
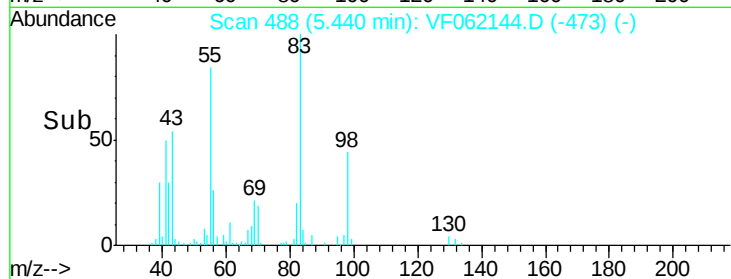
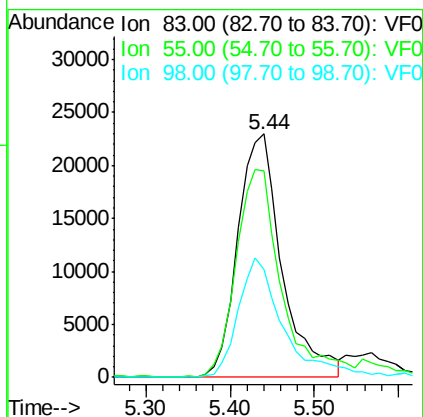
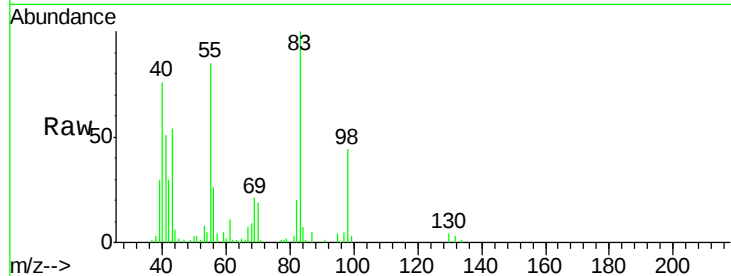




#39
Methylcyclohexane
Concen: 21.730 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

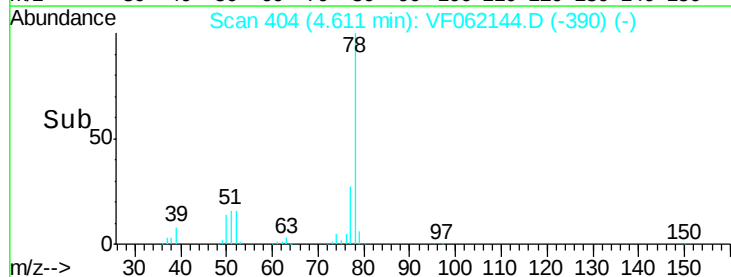
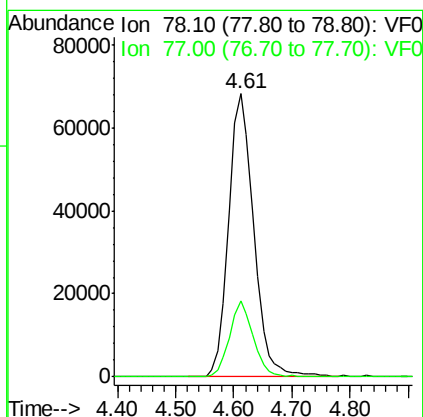
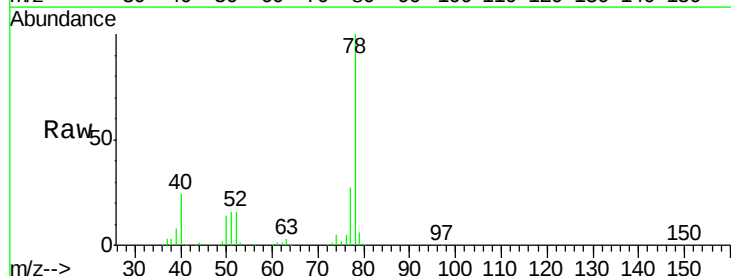
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

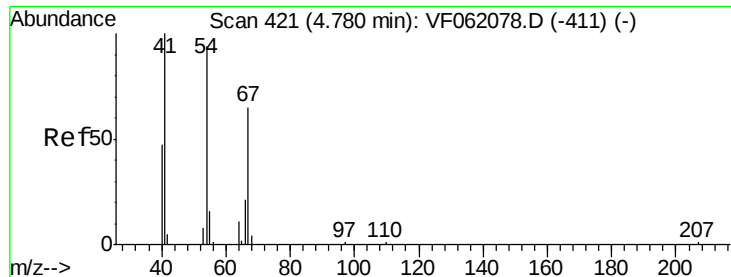
Tot Ion: 83 Resp: 84350
Ion Ratio Lower Upper
83 100
55 85.0 64.5 96.7
98 44.4 39.1 58.7



#40
Benzene
Concen: 22.847 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 78 Resp: 204849
Ion Ratio Lower Upper
78 100
77 26.8 19.8 29.6





#41

Methacrylonitrile

Concen: 22.413 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 41 Resp: 17334

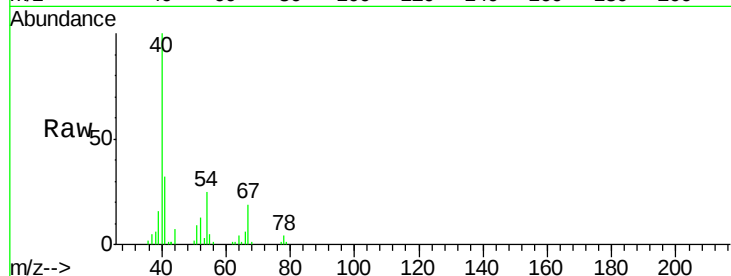
Ion Ratio Lower Upper

41 100

39 49.2 43.5 65.3

67 58.4 51.6 77.4

52 40.1 36.5 54.7

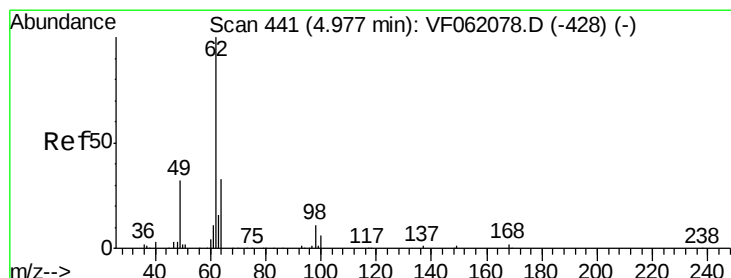
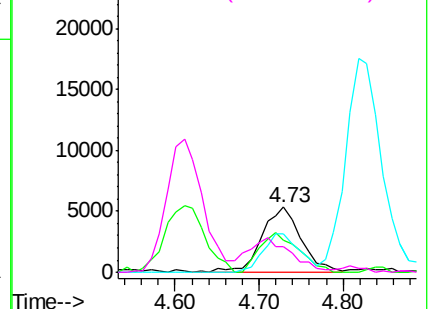
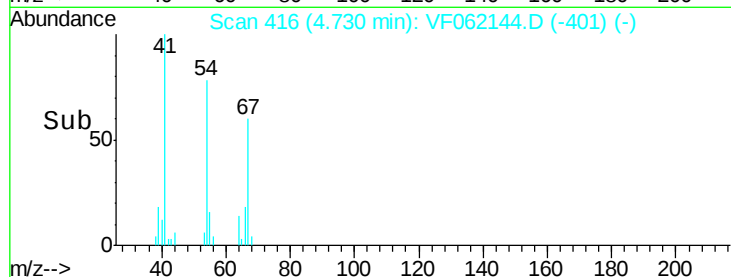


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 23.622 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.06 min

Lab File: VF062144.D

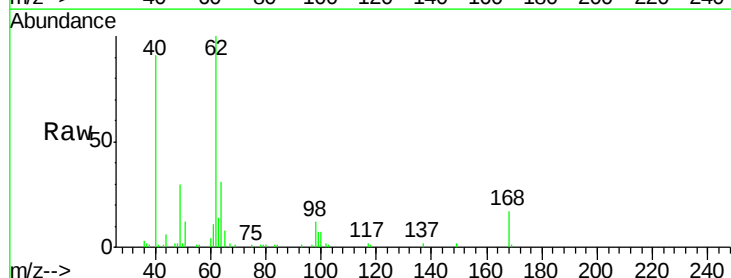
Acq: 26 Mar 2019 14:22

Tgt Ion: 62 Resp: 50086

Ion Ratio Lower Upper

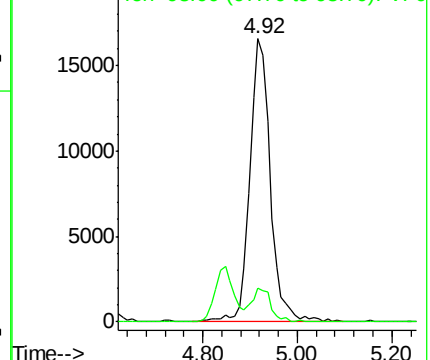
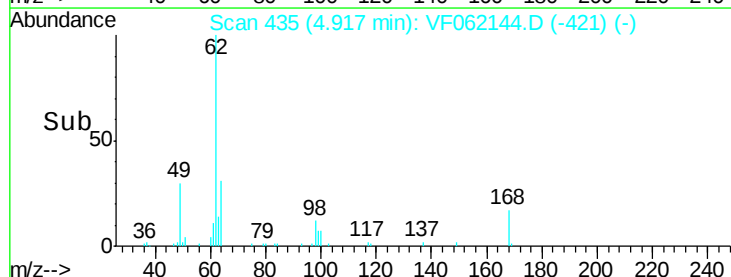
62 100

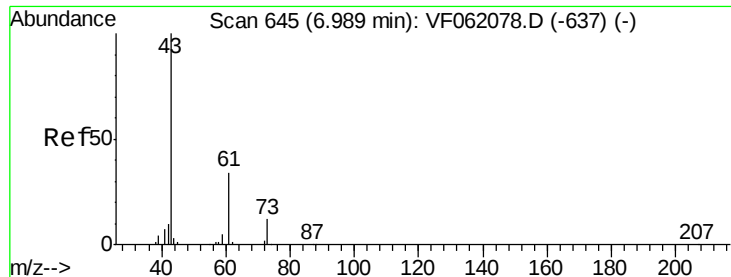
98 11.8 0.0 23.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



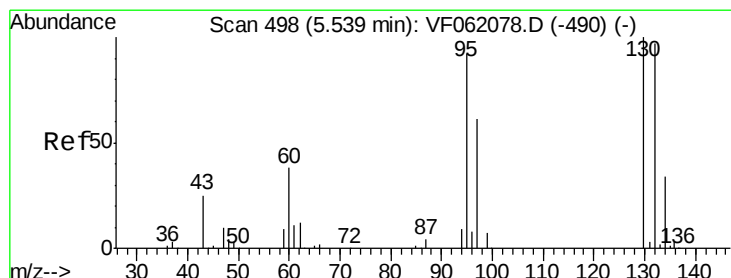
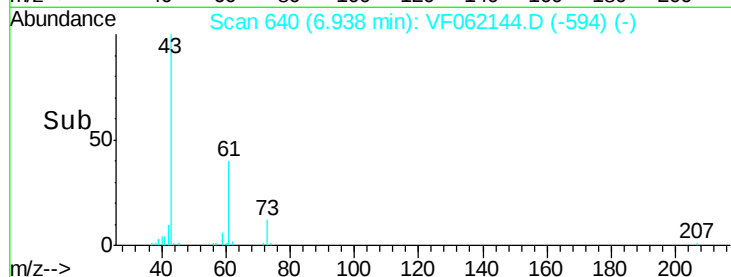
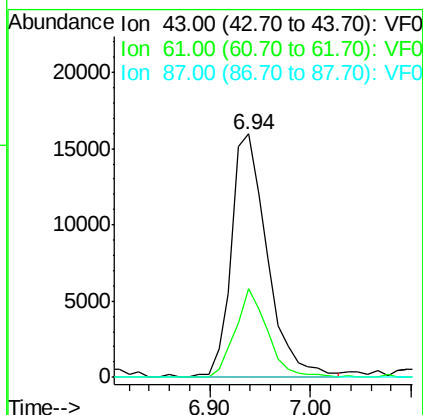
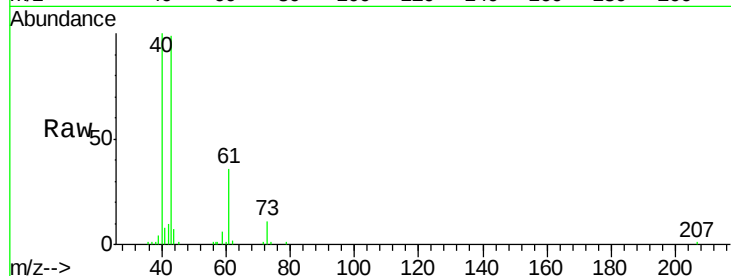


#43

Isopropyl Acetate
 Concen: 22.467 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

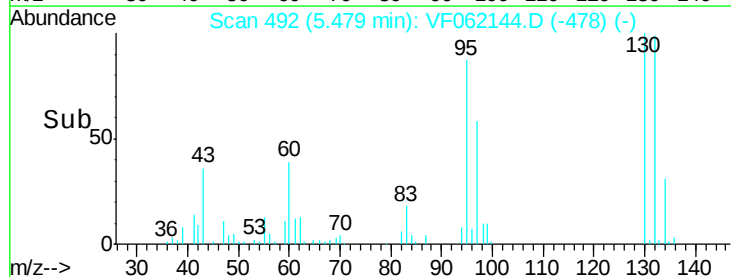
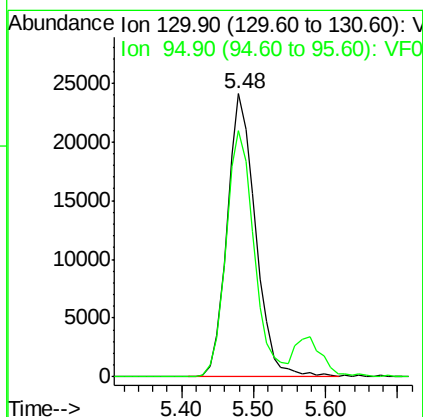
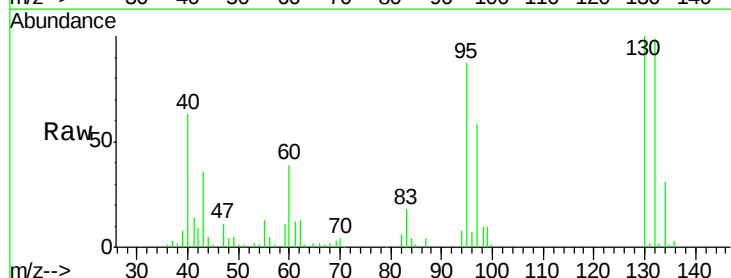
Tot Ion: 43 Resp: 39771
 Ion Ratio Lower Upper
 43 100
 61 36.3 27.0 40.4
 87 0.0 0.4 0.6#

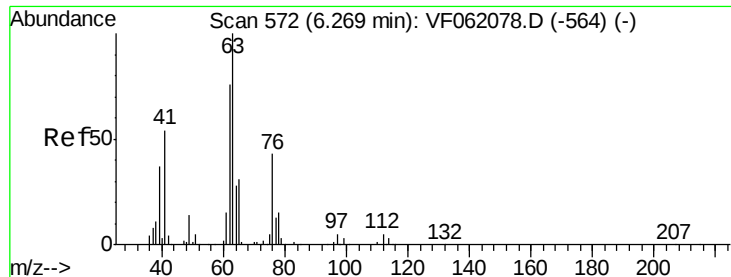


#44

Trichloroethene
 Concen: 24.007 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 130 Resp: 65809
 Ion Ratio Lower Upper
 130 100
 95 86.8 0.0 183.4





#45

1,2-Dichloropropane

Concen: 22.370 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

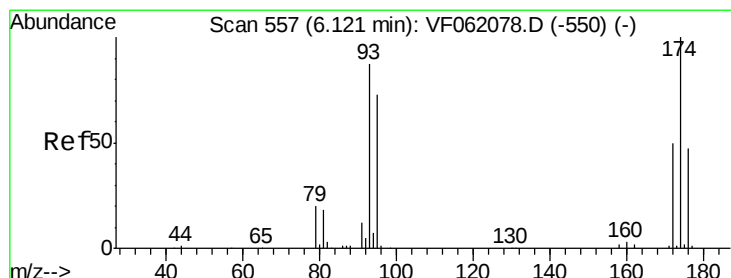
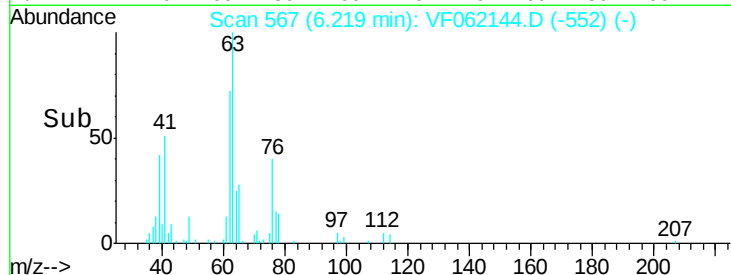
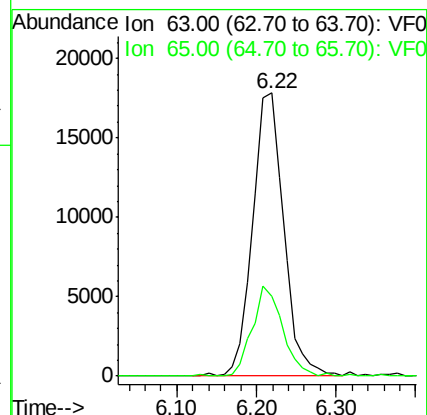
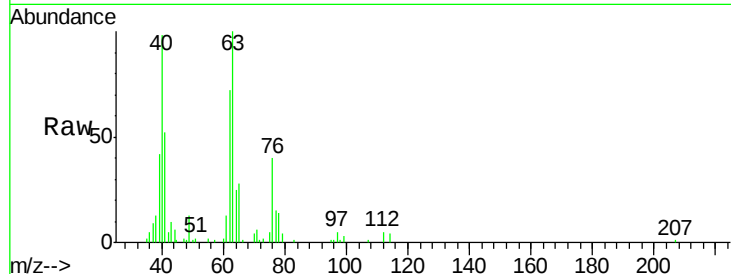
VF0326SBS01

Tot Ion: 63 Resp: 47838

Ion Ratio Lower Upper

63 100

65 28.3 24.9 37.3



#46

Dibromomethane

Concen: 21.080 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

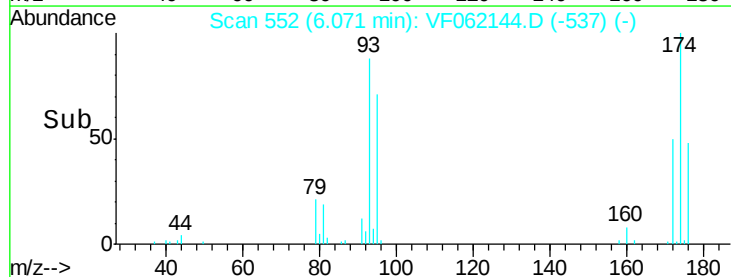
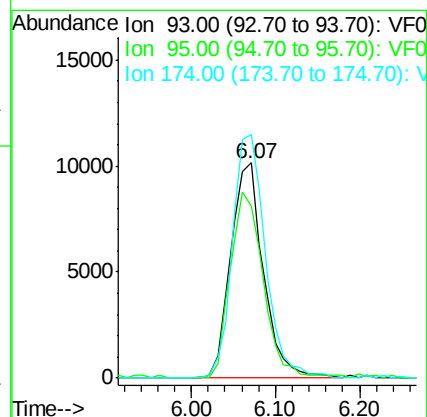
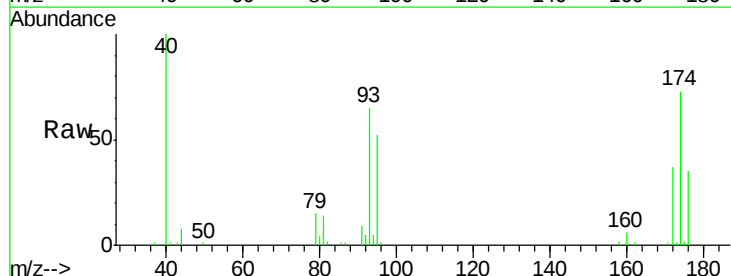
Tgt Ion: 93 Resp: 27563

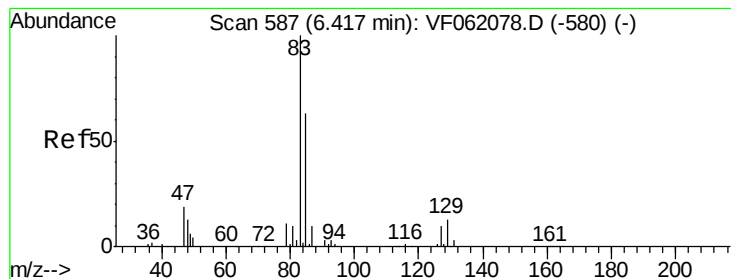
Ion Ratio Lower Upper

93 100

95 80.0 67.4 101.2

174 113.0 92.0 138.0





#47

Bromodichloromethane

Concen: 22.495 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

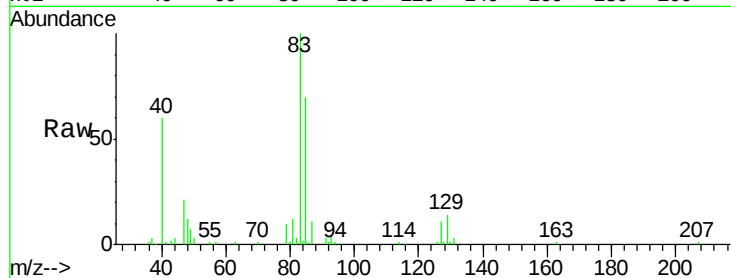
Tot Ion: 83 Resp: 65152

Ion Ratio Lower Upper

83 100

85 70.0 50.7 76.1

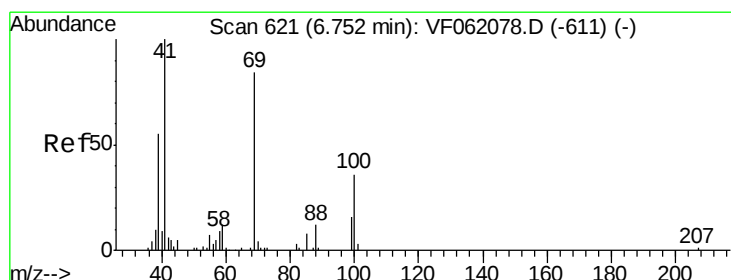
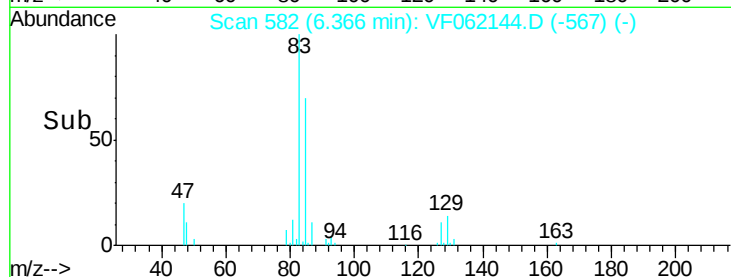
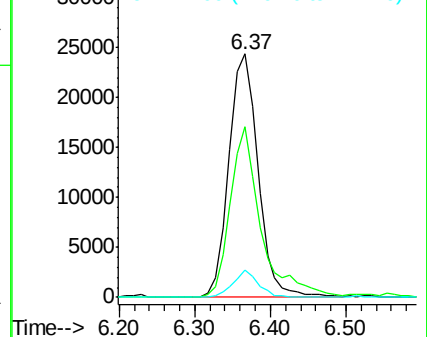
127 11.0 7.8 11.6



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: 22.020 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

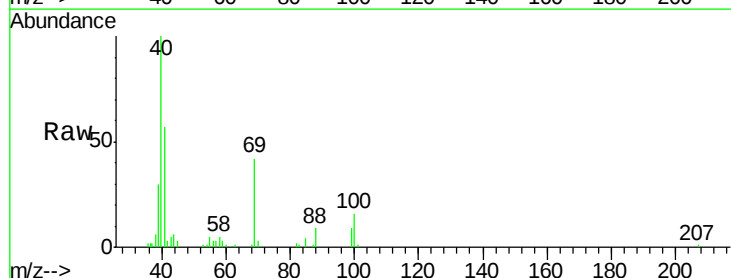
Tgt Ion: 41 Resp: 22194

Ion Ratio Lower Upper

41 100

69 73.5 66.6 100.0

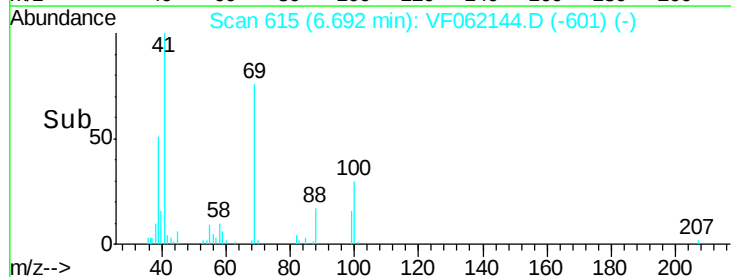
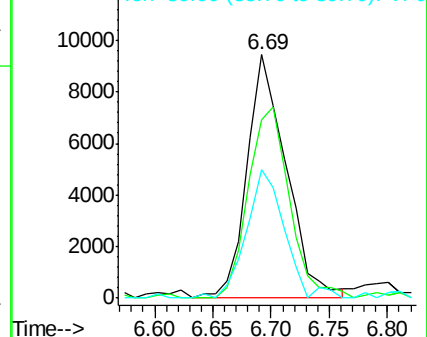
39 52.7 43.6 65.4

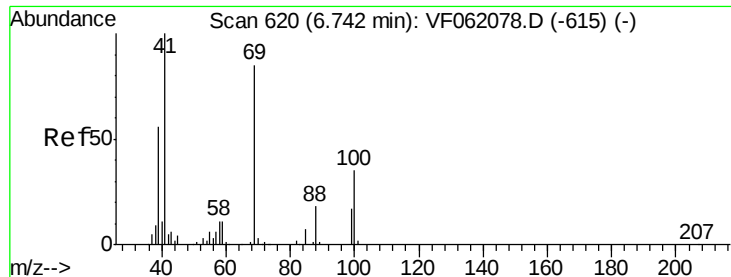


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

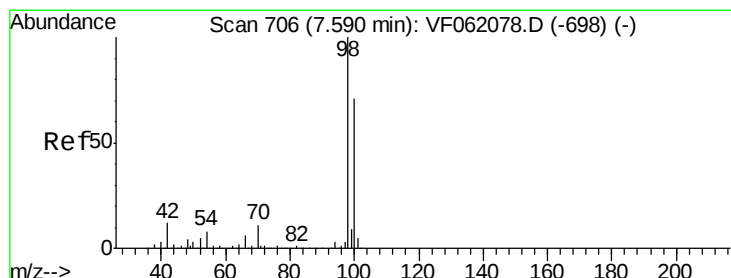
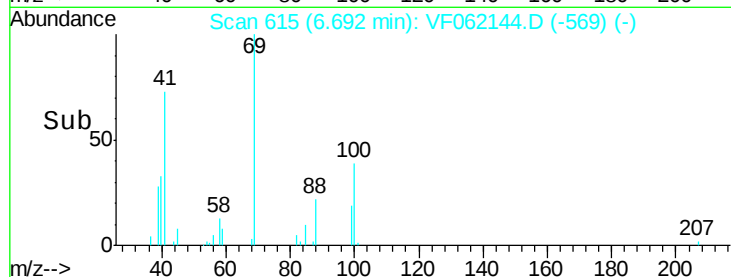
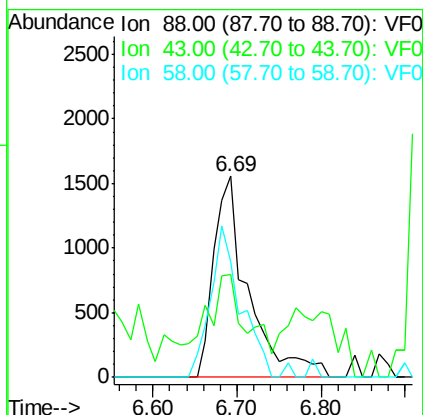
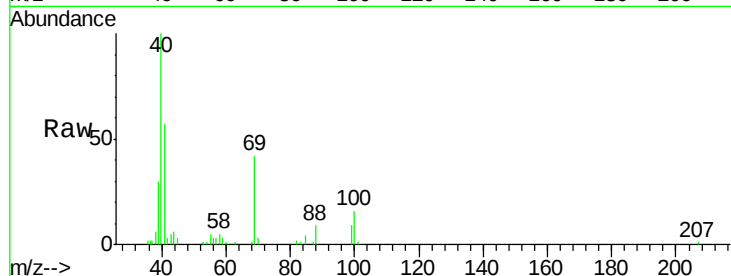




#49
1,4-Dioxane
Concen: 502.495 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

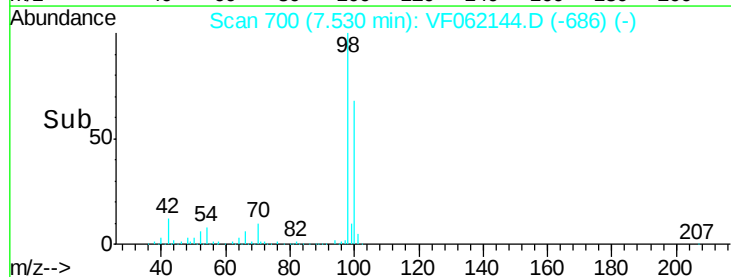
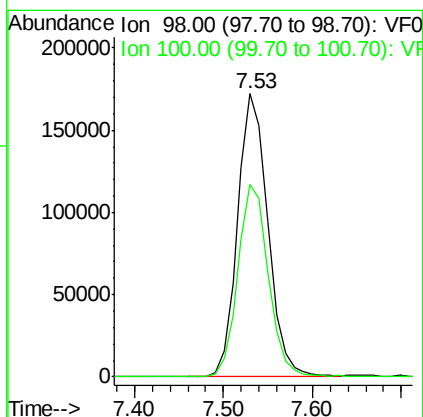
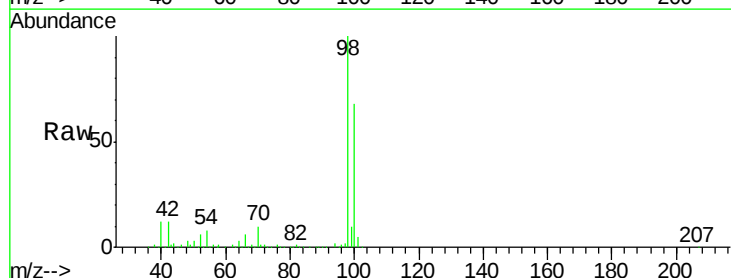
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

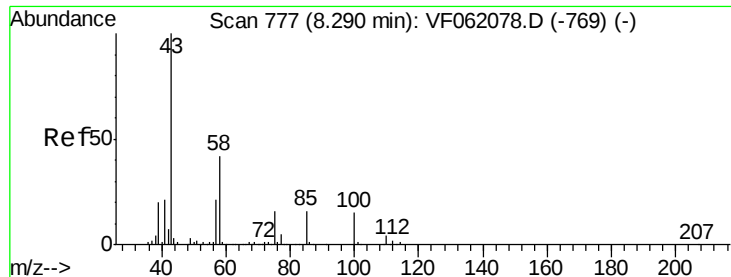
Tot Ion: 88 Resp: 4444
Ion Ratio Lower Upper
88 100
43 51.2 35.0 52.4
58 57.6 49.9 74.9



#50
Toluene-d8
Concen: 57.462 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 98 Resp: 407422
Ion Ratio Lower Upper
98 100
100 68.1 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 119.984 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

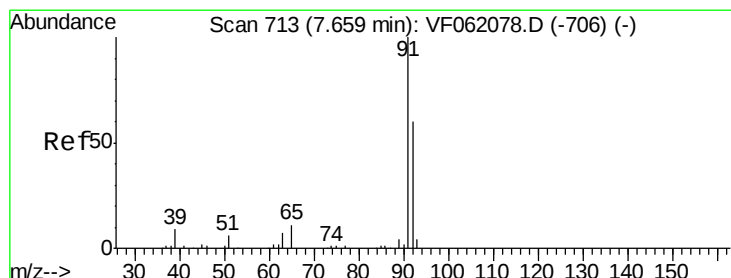
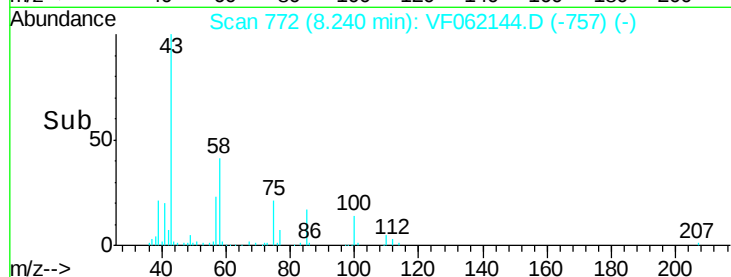
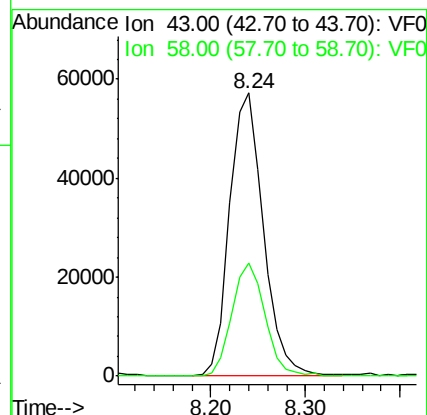
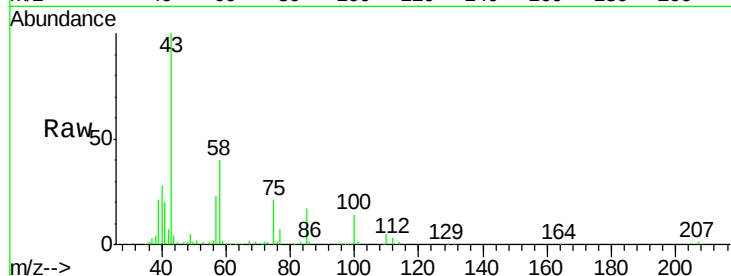
VF0326SBS01

Tot Ion: 43 Resp: 142156

Ion Ratio Lower Upper

43 100

58 40.1 33.8 50.8



#52

Toluene

Concen: 22.445 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF062144.D

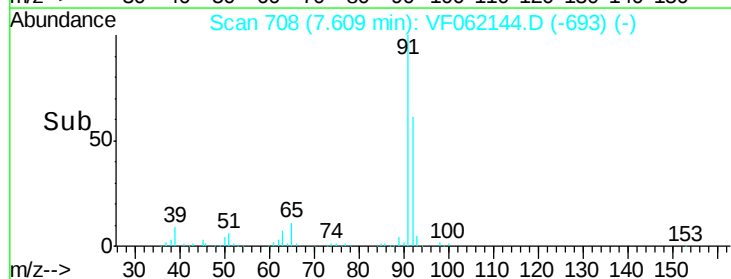
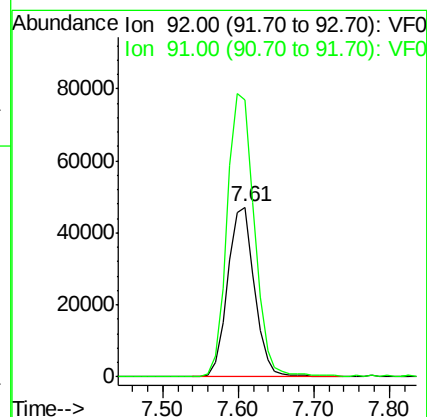
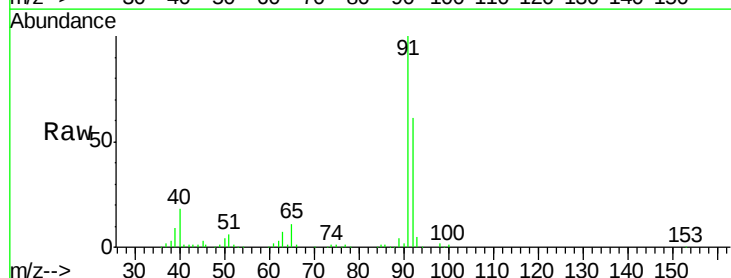
Acq: 26 Mar 2019 14:22

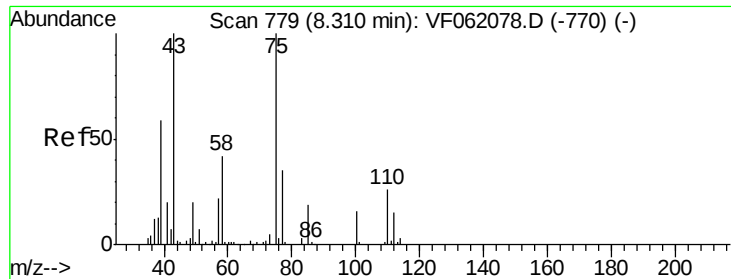
Tgt Ion: 92 Resp: 116565

Ion Ratio Lower Upper

92 100

91 163.1 134.1 201.1

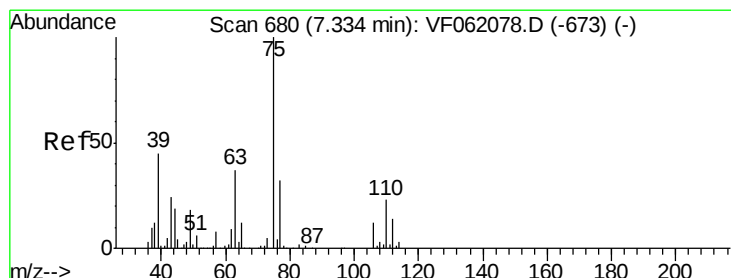
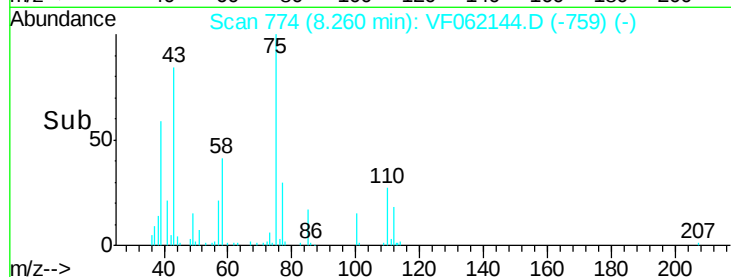
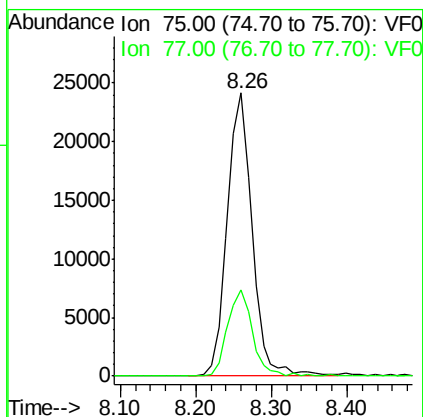
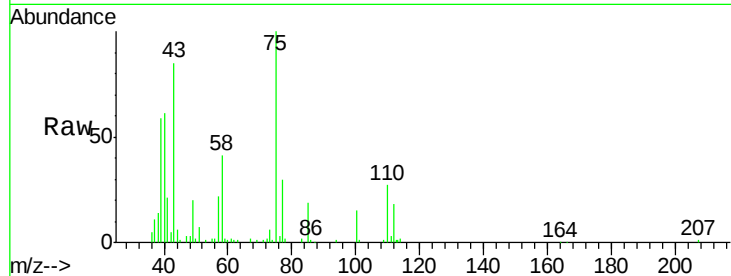




#53
 t-1,3-Dichloropropene
 Concen: 24.298 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

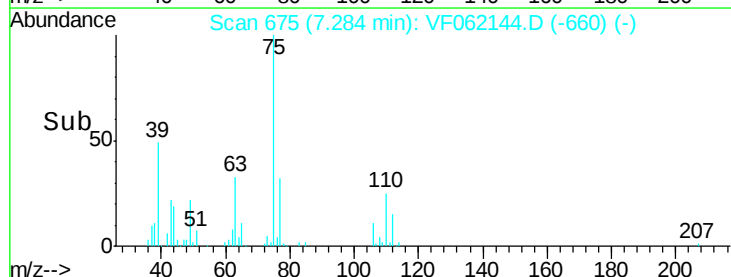
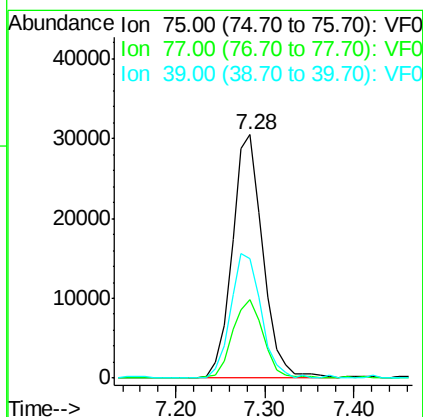
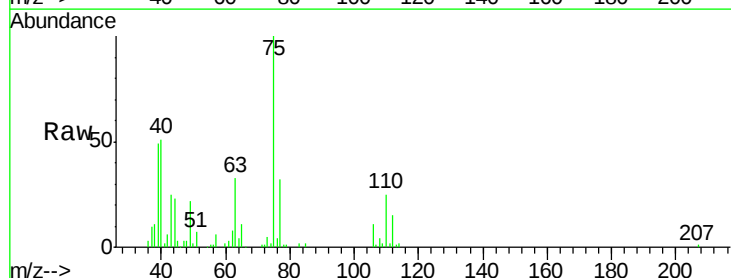
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

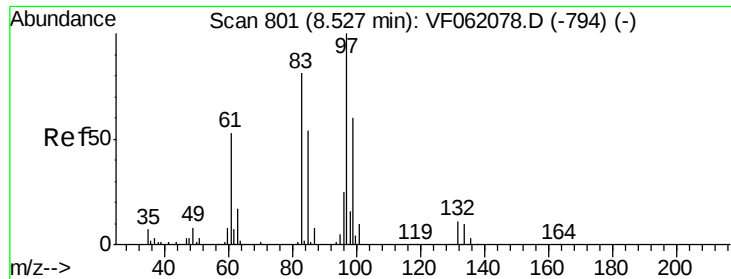
Tot Ion: 75 Resp: 55244
 Ion Ratio Lower Upper
 75 100
 77 30.4 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.511 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 75 Resp: 73231
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6
 39 48.8 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 22.158 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 97 Resp: 32686

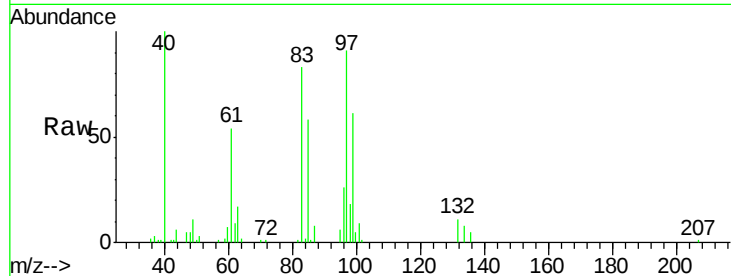
Ion Ratio Lower Upper

97 100

83 91.2 64.6 97.0

85 64.3 43.6 65.4

99 67.0 48.2 72.2

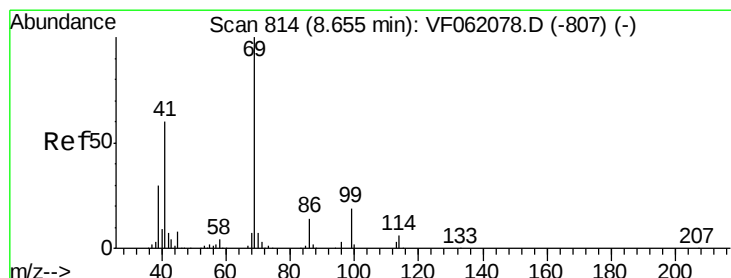
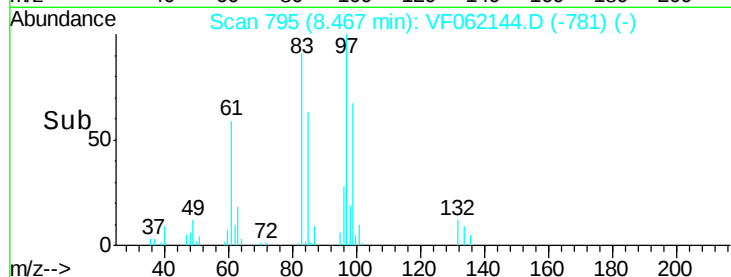
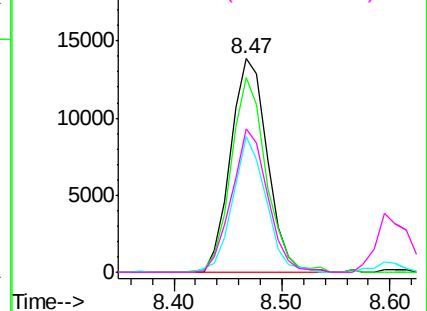


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 23.337 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

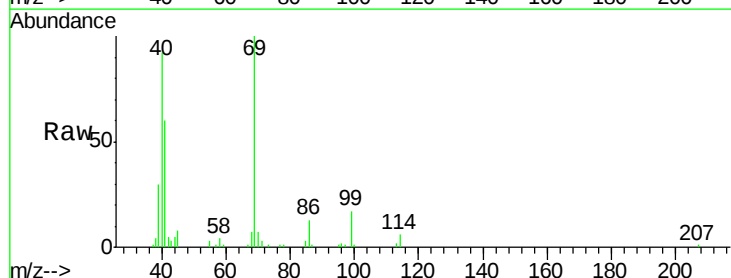
Tgt Ion: 69 Resp: 41055

Ion Ratio Lower Upper

69 100

41 60.1 48.2 72.2

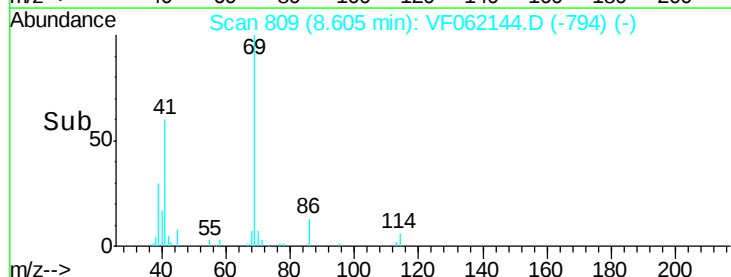
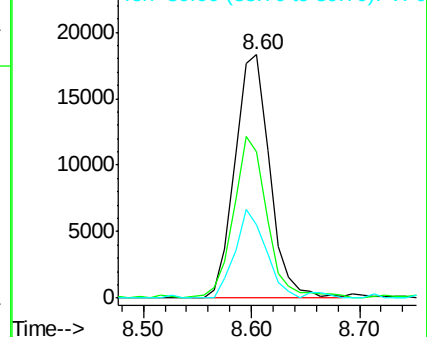
39 30.1 24.0 36.0

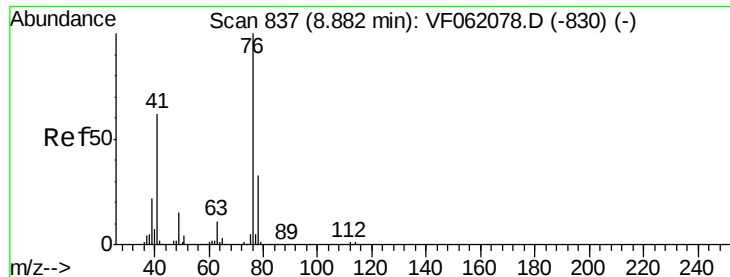


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

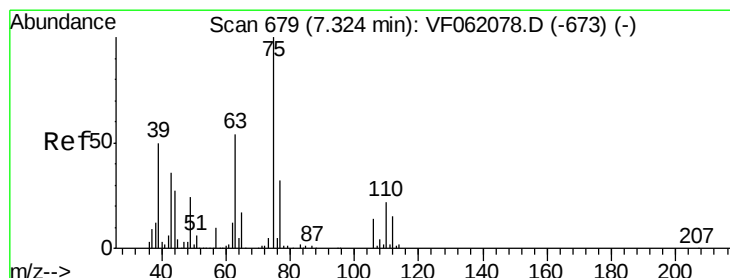
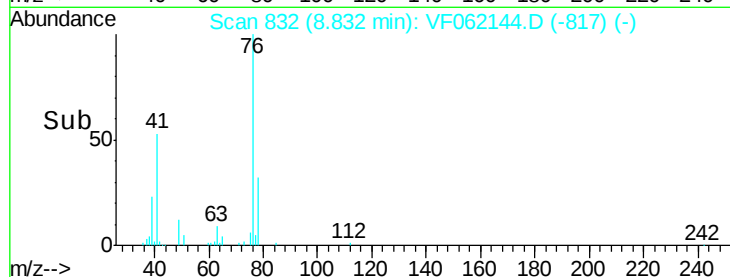
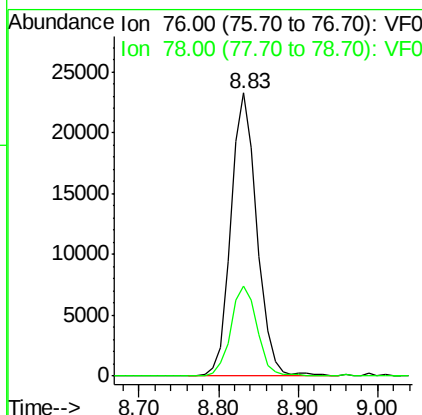
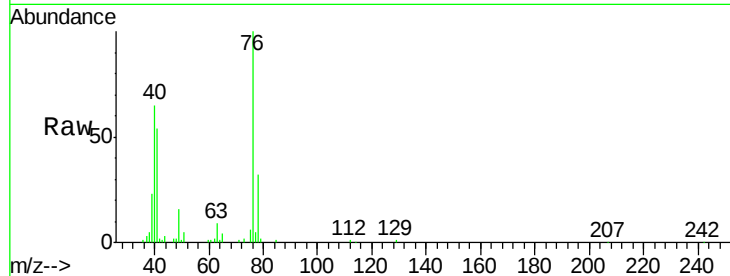




#57
 1,3-Dichloropropane
 Concen: 21.741 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

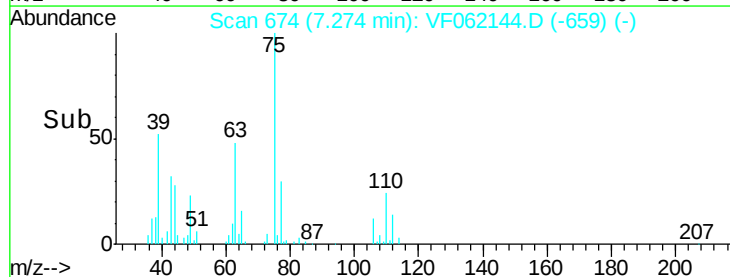
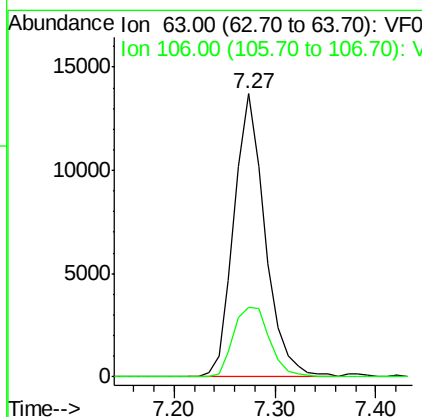
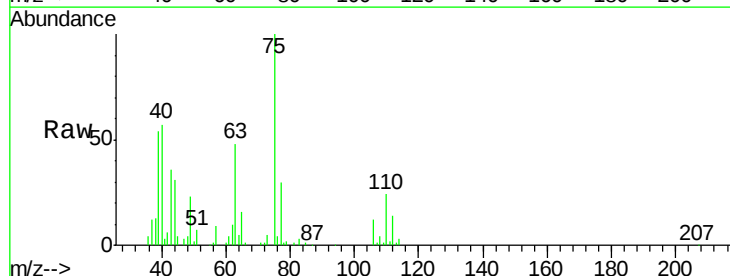
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

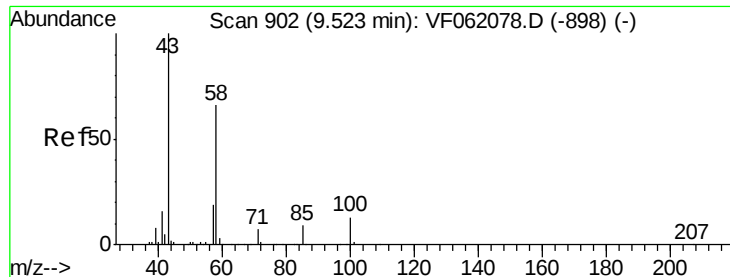
Tot Ion: 76 Resp: 53227
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.510 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 63 Resp: 29501
 Ion Ratio Lower Upper
 63 100
 106 24.8 21.5 32.3

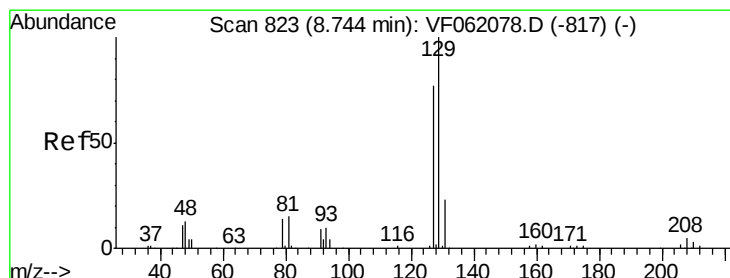
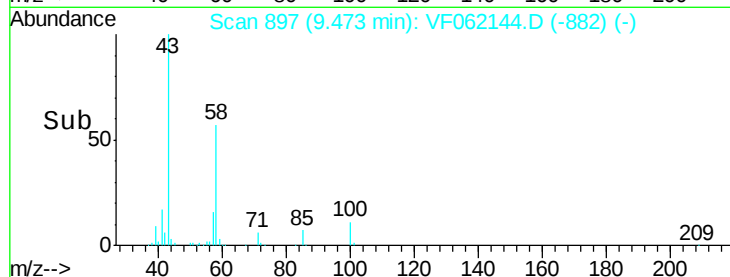
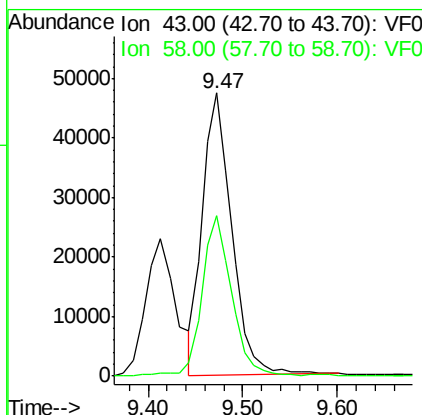
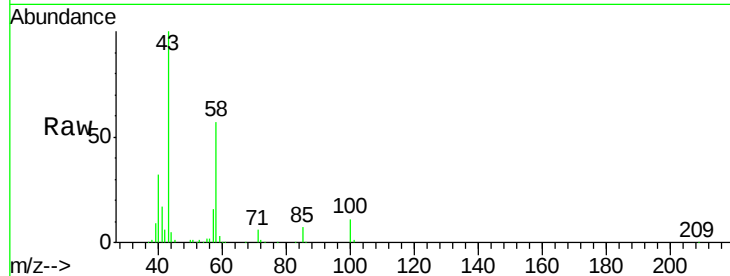




#59
2-Hexanone
Concen: 117.211 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

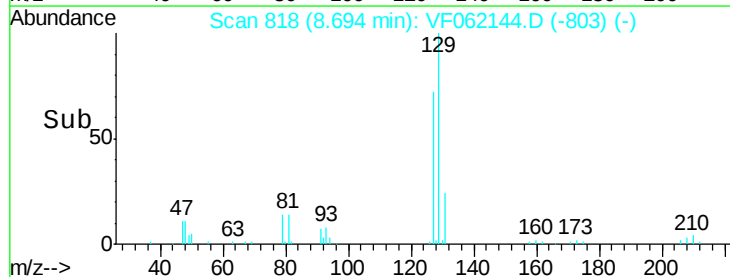
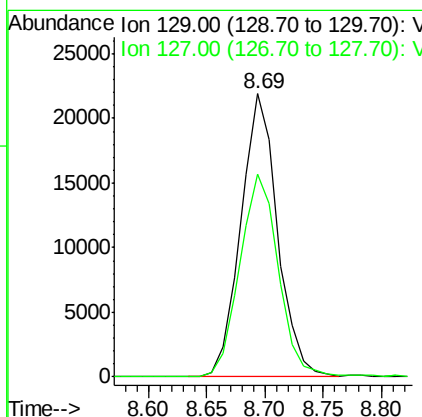
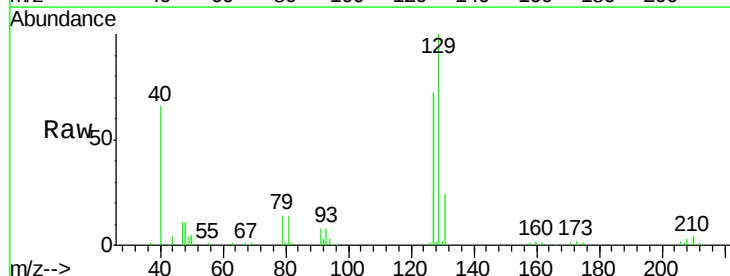
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

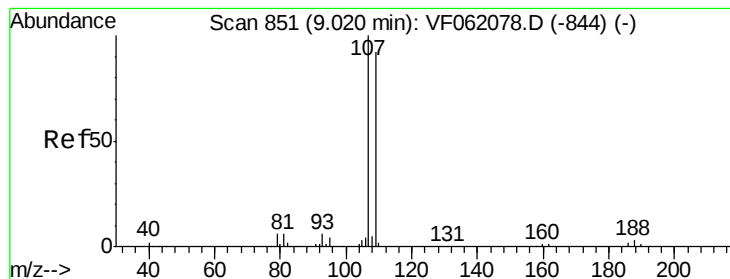
Tot Ion: 43 Resp: 101780
Ion Ratio Lower Upper
43 100
58 56.6 28.8 86.4



#60
Dibromochloromethane
Concen: 23.280 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 129 Resp: 47740
Ion Ratio Lower Upper
129 100
127 71.5 38.7 116.1





#61

1,2-Dibromoethane

Concen: 23.357 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

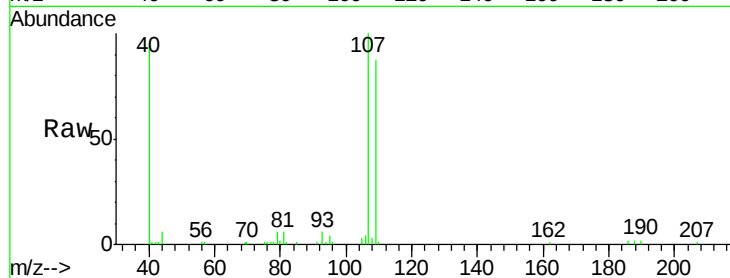
VF0326SBS01

Tot Ion:107 Resp: 36759

Ion Ratio Lower Upper

107 100

109 86.8 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

15000

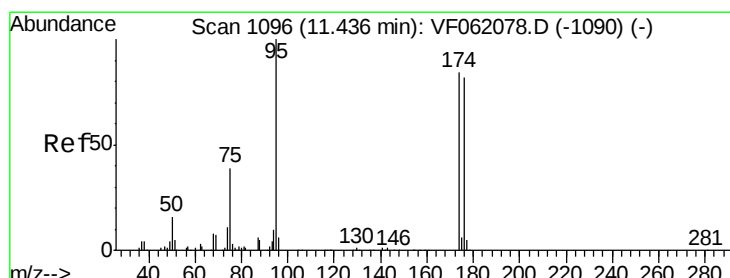
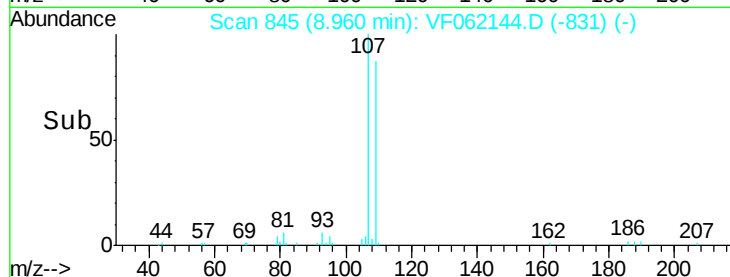
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 57.643 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

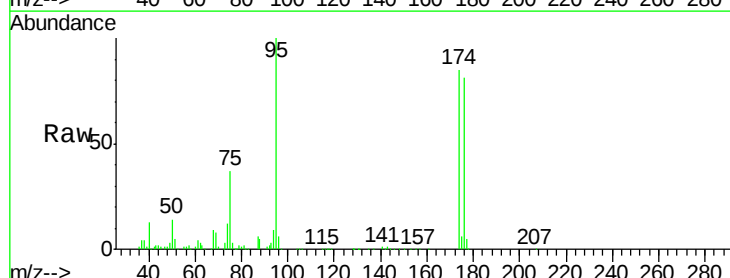
Tgt Ion: 95 Resp: 157784

Ion Ratio Lower Upper

95 100

174 85.1 0.0 168.2

176 81.1 0.0 164.2



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

11.40

120000

100000

80000

60000

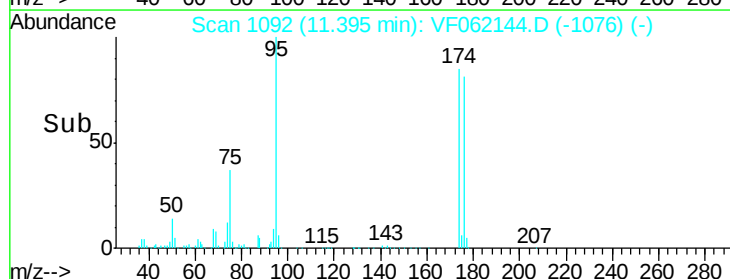
40000

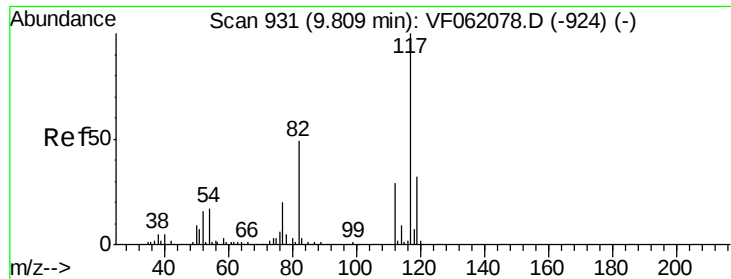
20000

0

Time-->

11.30 11.40 11.50

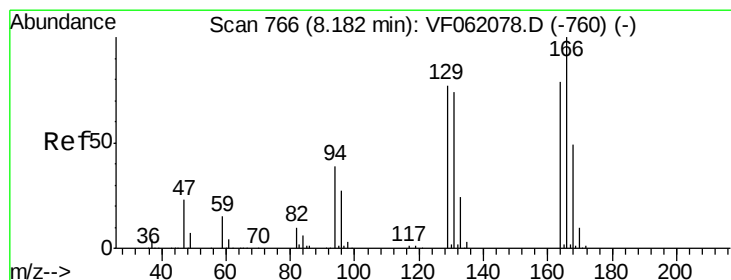
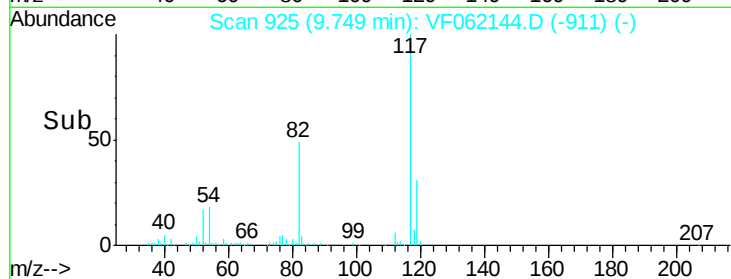
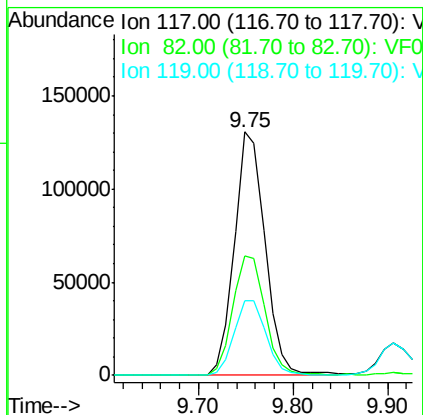
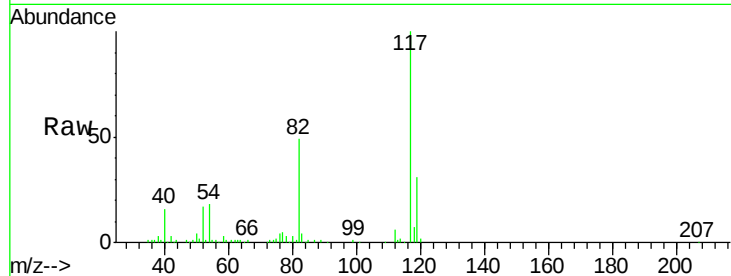




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

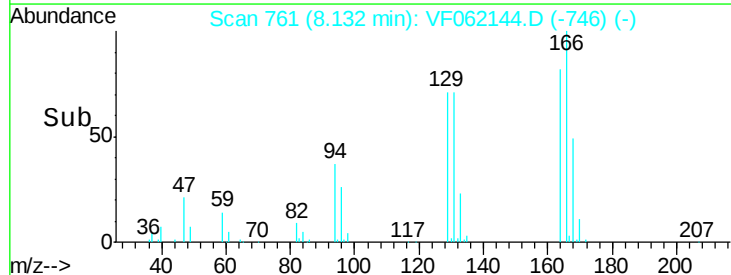
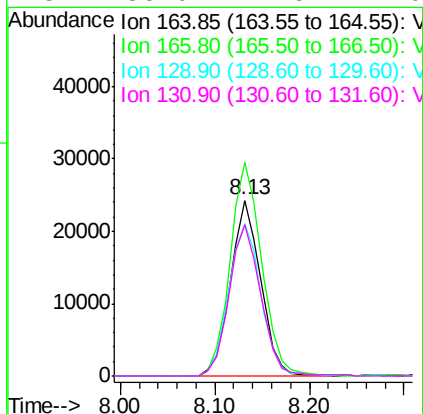
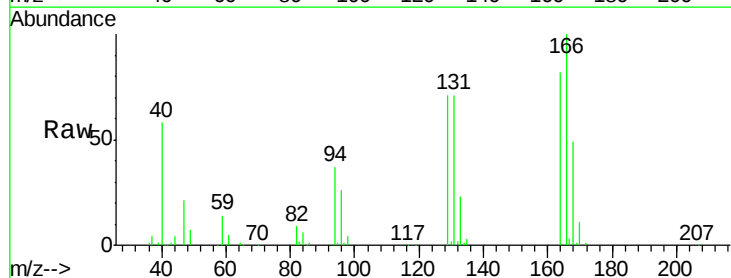
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

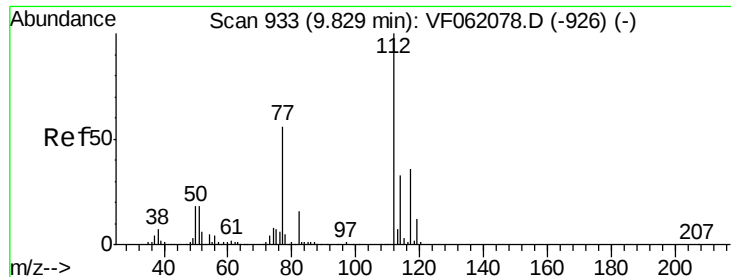
Tot Ion:117 Resp: 294455
Ion Ratio Lower Upper
117 100
82 49.2 39.2 58.8
119 30.7 25.4 38.2



#64
Tetrachloroethene
Concen: 23.552 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:164 Resp: 53578
Ion Ratio Lower Upper
164 100
166 121.7 100.9 151.3
129 86.5 77.9 116.9
131 86.0 74.6 112.0

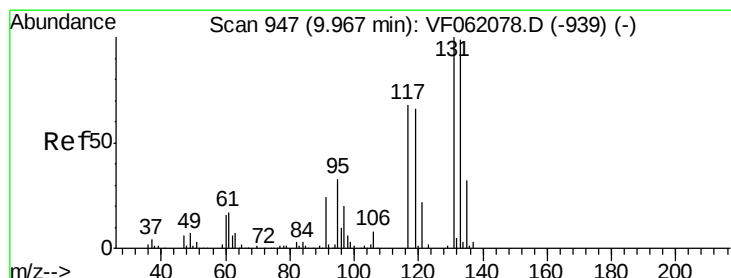
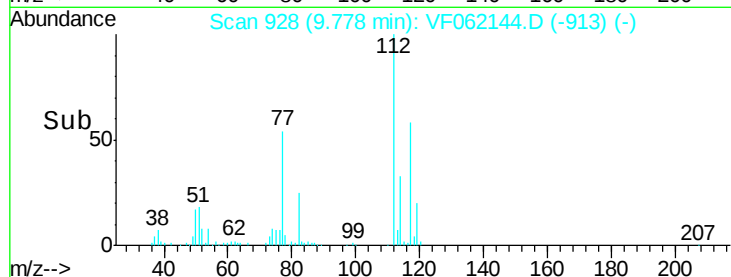
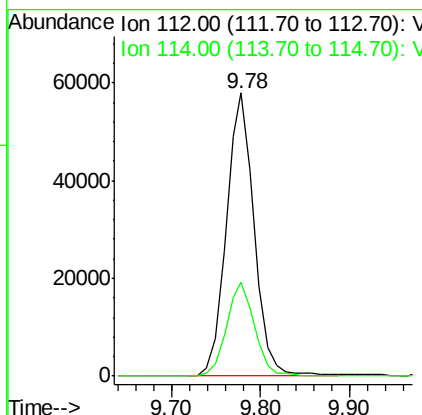
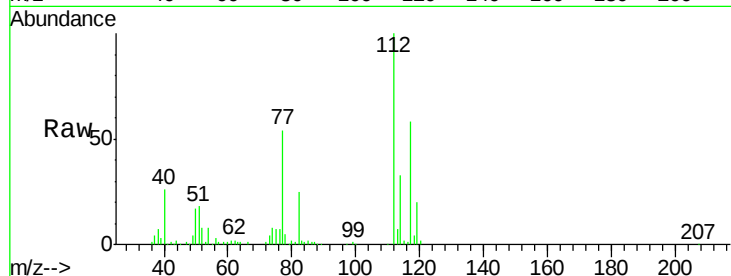




#65
Chlorobenzene
Concen: 23.049 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

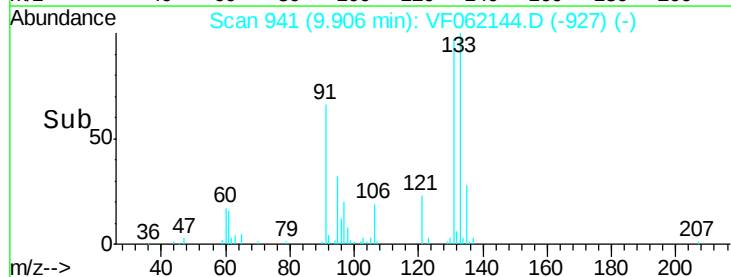
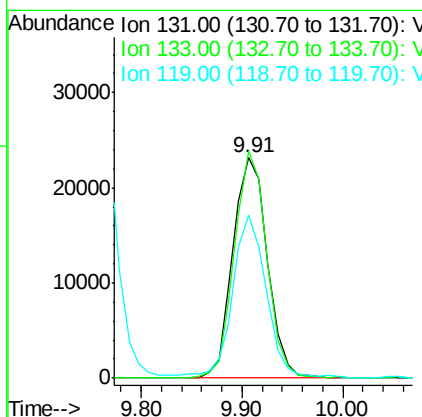
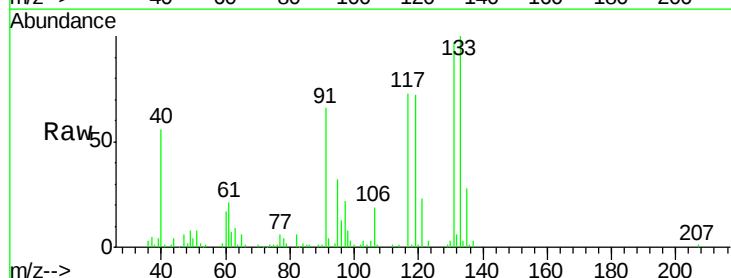
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

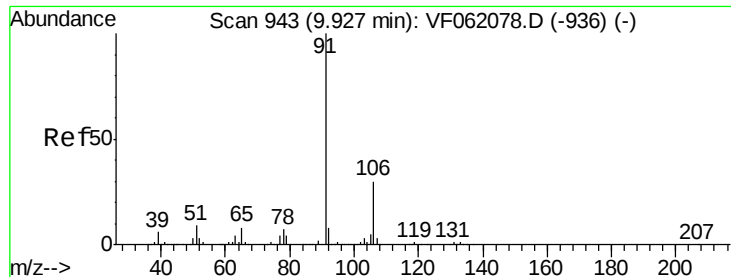
Tot Ion:112 Resp: 126987
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 24.891 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:131 Resp: 55086
Ion Ratio Lower Upper
131 100
133 102.8 49.3 147.8
119 73.9 33.5 100.4





#67

Ethyl Benzene

Concen: 24.697 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

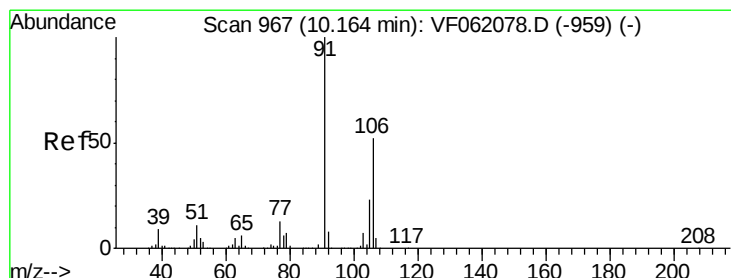
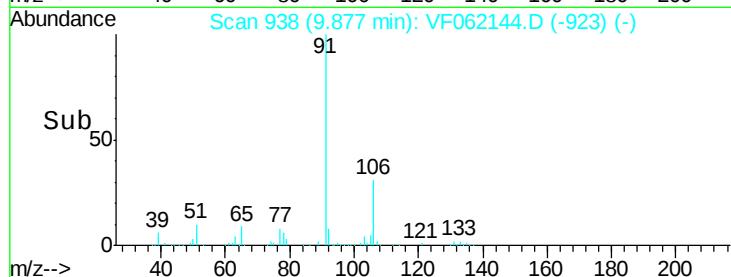
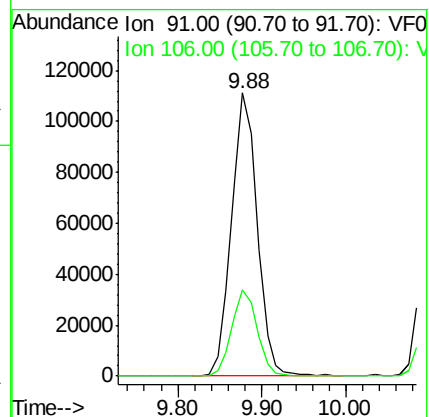
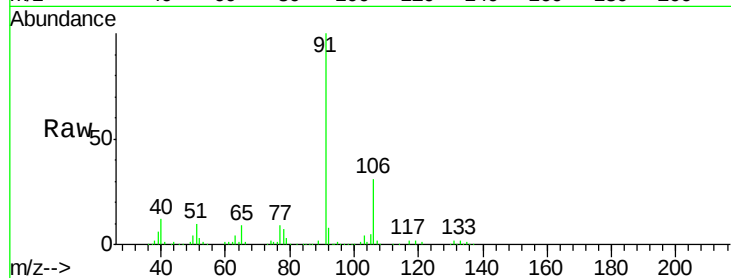
VF0326SBS01

Tot Ion: 91 Resp: 236632

Ion Ratio Lower Upper

91 100

106 30.6 24.0 36.0



#68

m/p-Xylenes

Concen: 48.701 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF062144.D

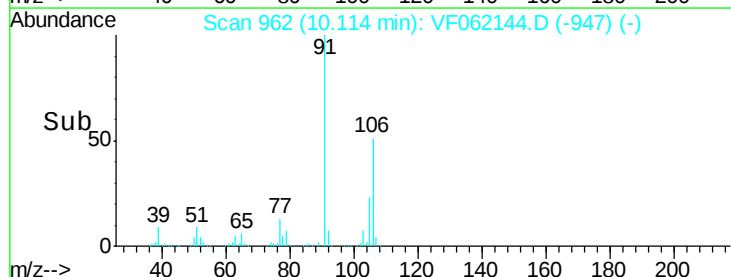
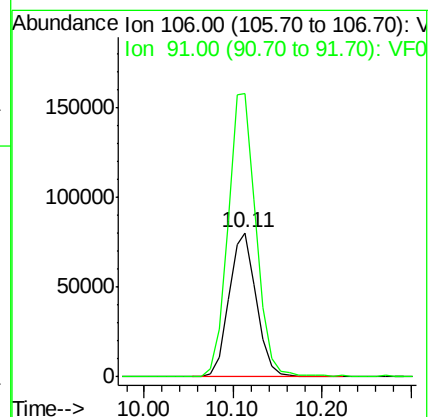
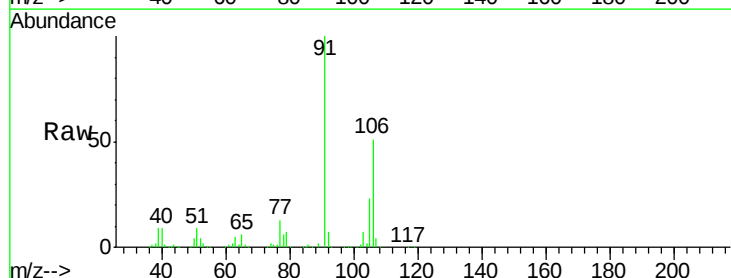
Acq: 26 Mar 2019 14:22

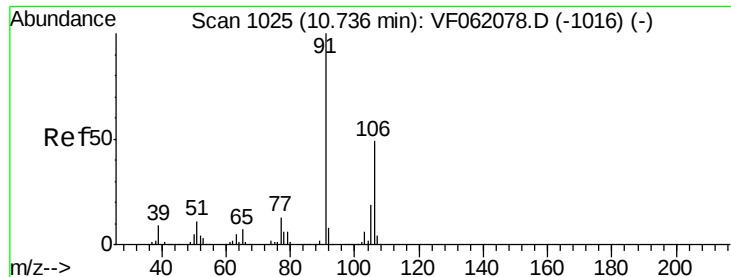
Tgt Ion: 106 Resp: 174405

Ion Ratio Lower Upper

106 100

91 196.0 154.4 231.6

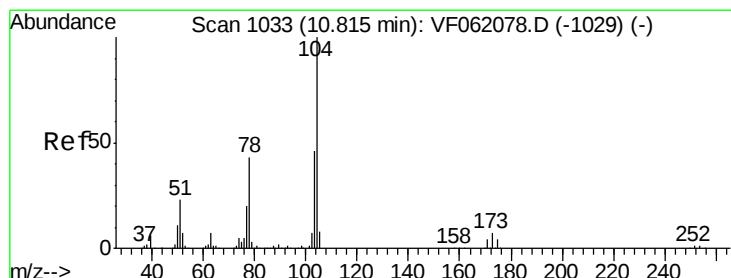
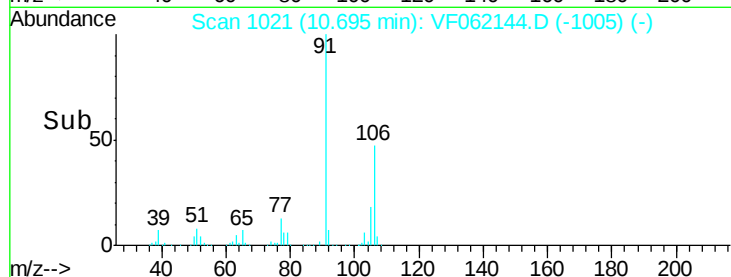
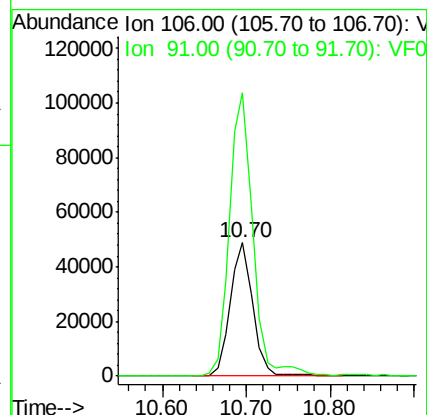
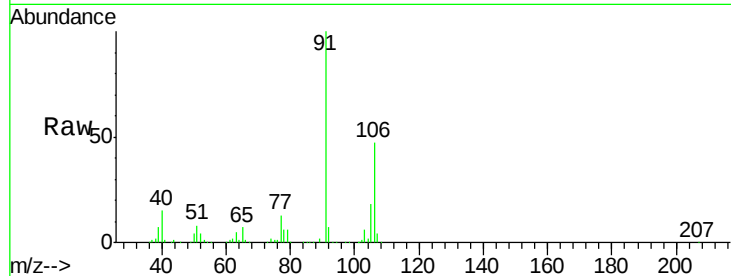




#69
o-Xylene
Concen: 24.445 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

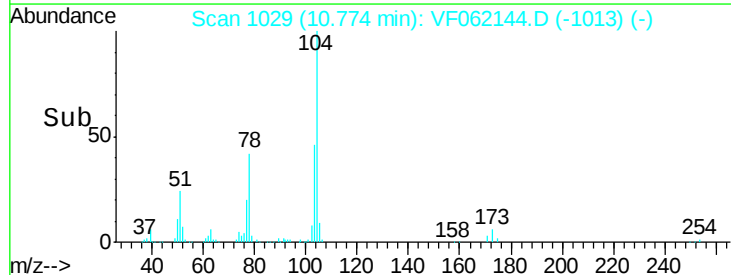
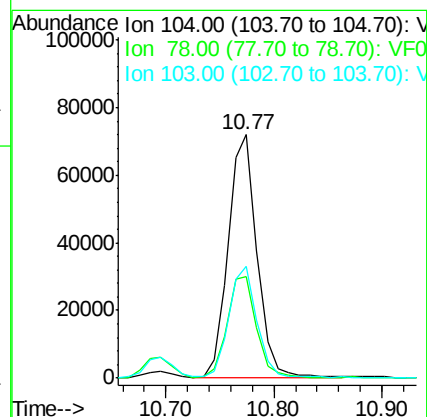
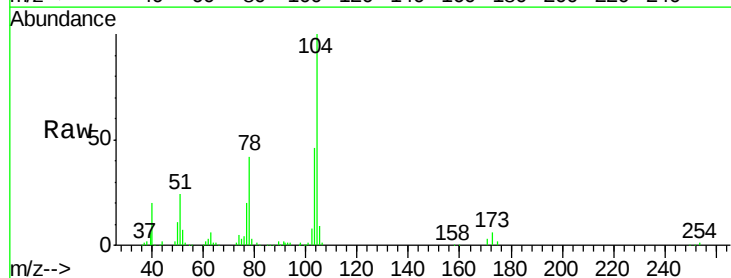
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

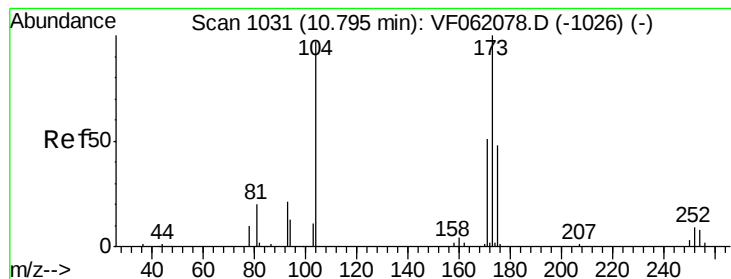
Tot Ion:106 Resp: 91685
Ion Ratio Lower Upper
106 100
91 212.4 102.6 307.8



#70
Styrene
Concen: 23.338 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:104 Resp: 132629
Ion Ratio Lower Upper
104 100
78 41.9 34.3 51.5
103 46.1 36.9 55.3





#71

Bromoform

Concen: 22.724 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

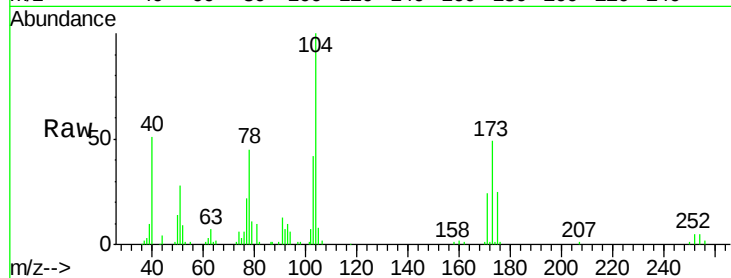
Tot Ion:173 Resp: 25723

Ion Ratio Lower Upper

173 100

175 50.7 24.1 72.4

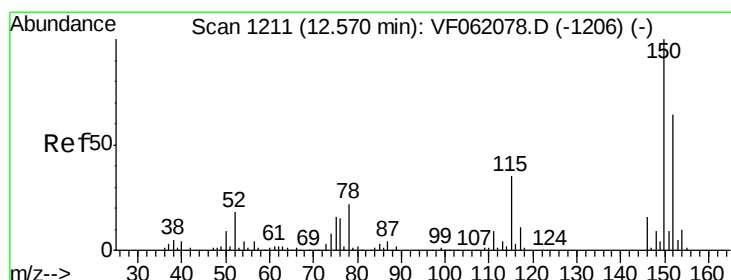
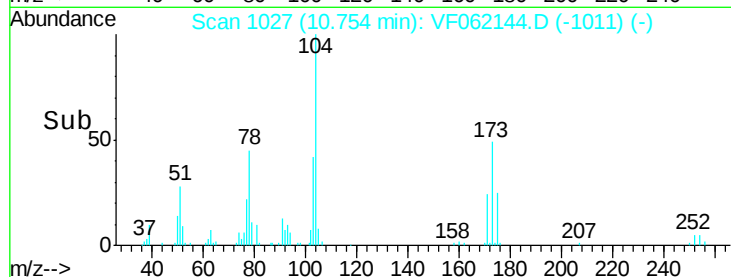
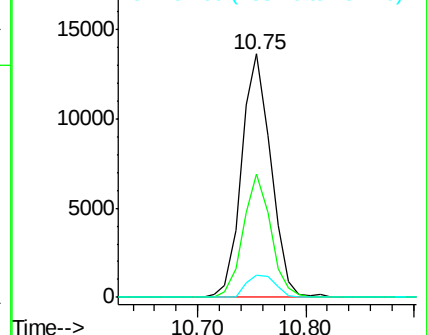
254 9.1 6.2 9.4



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: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

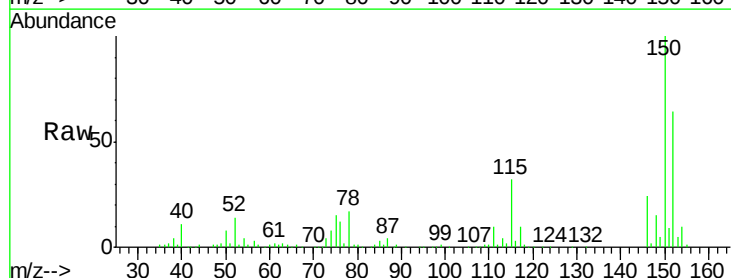
Tgt Ion:152 Resp: 162540

Ion Ratio Lower Upper

152 100

115 50.0 27.7 83.1

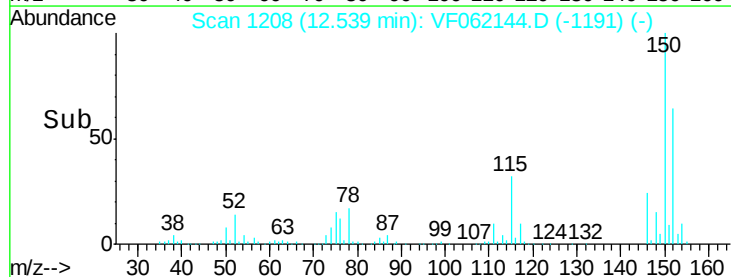
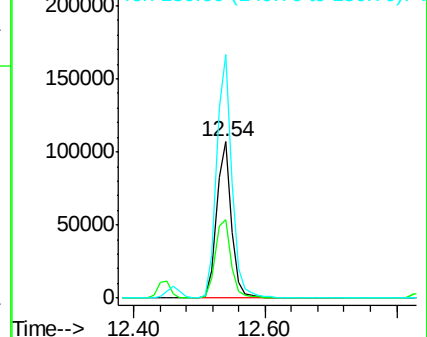
150 155.9 0.0 313.2

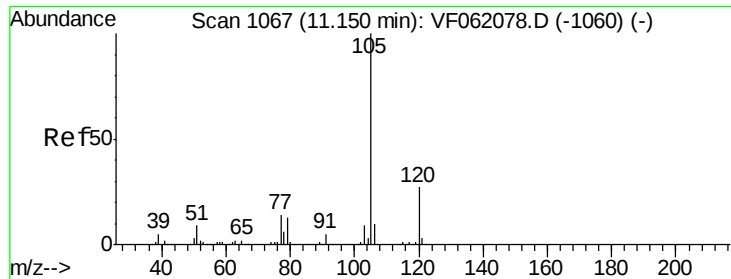


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.283 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

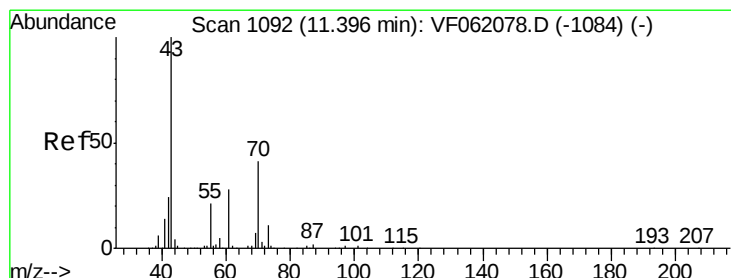
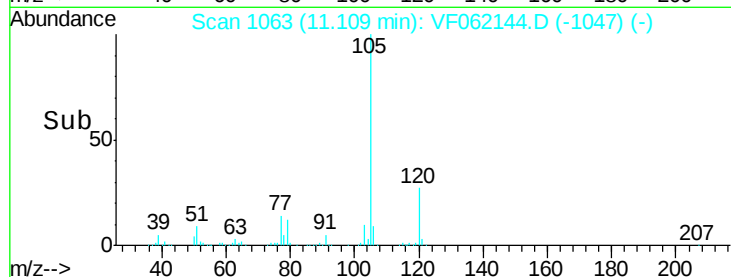
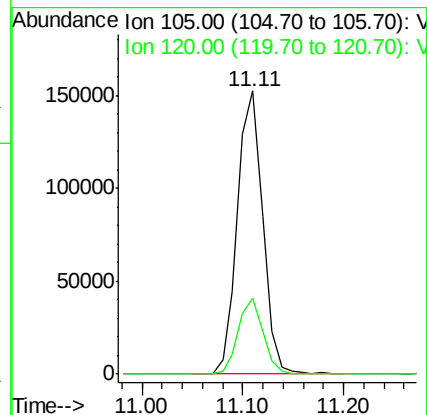
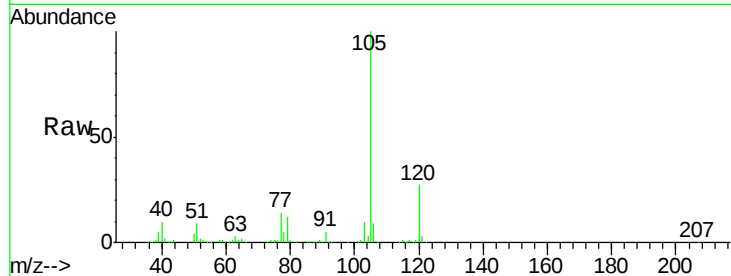
VF0326SBS01

Tot Ion:105 Resp: 266301

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



#74

N-ethyl acetate

Concen: 21.876 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion: 43 Resp: 59618

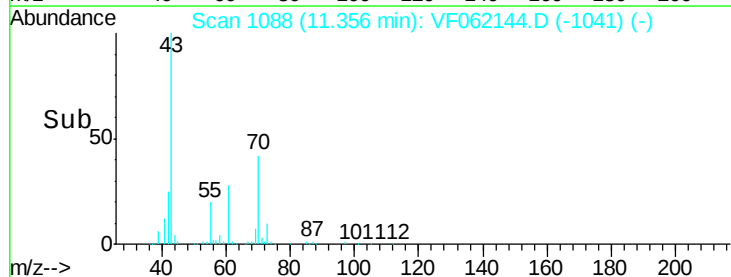
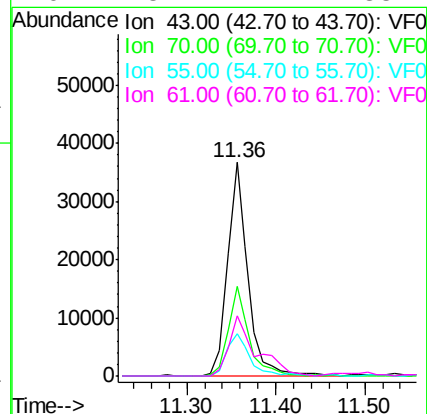
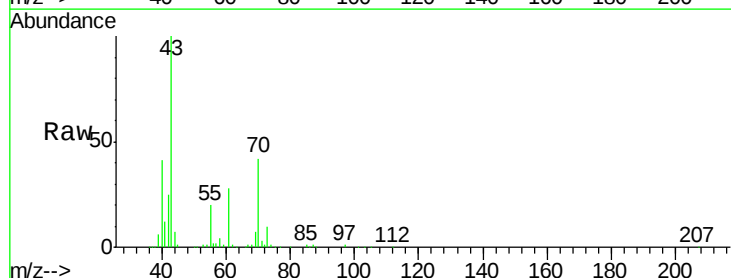
Ion Ratio Lower Upper

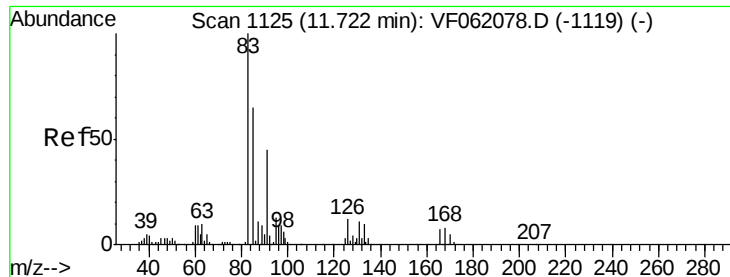
43 100

70 41.9 32.9 49.3

55 19.9 17.1 25.7

61 28.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.262 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

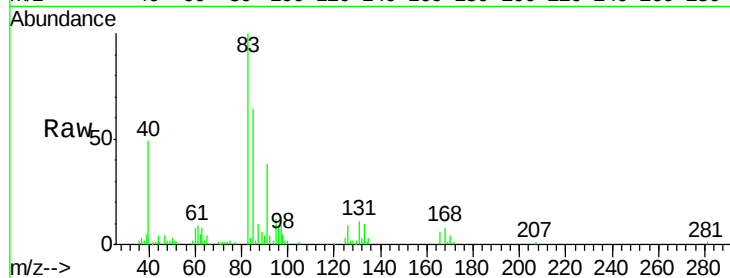
Tot Ion: 83 Resp: 43718

Ion Ratio Lower Upper

83 100

131 11.3 5.3 15.8

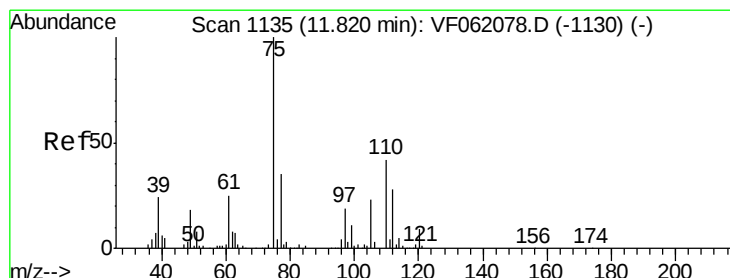
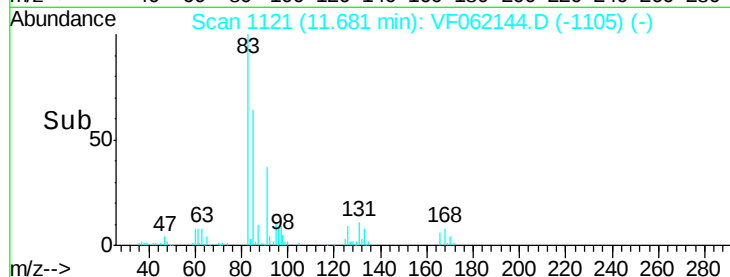
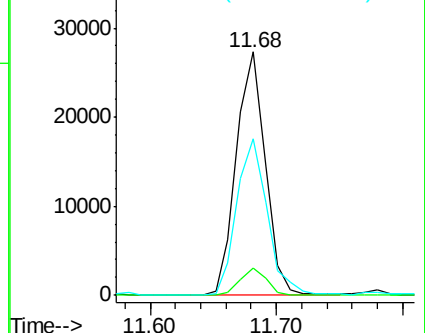
85 64.2 32.6 98.0



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: 11.856 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VF062144.D

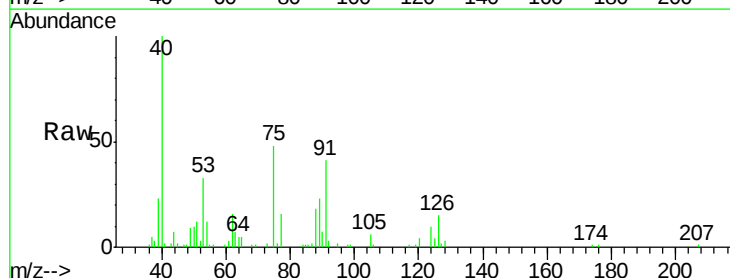
Acq: 26 Mar 2019 14:22

Tgt Ion: 75 Resp: 16386

Ion Ratio Lower Upper

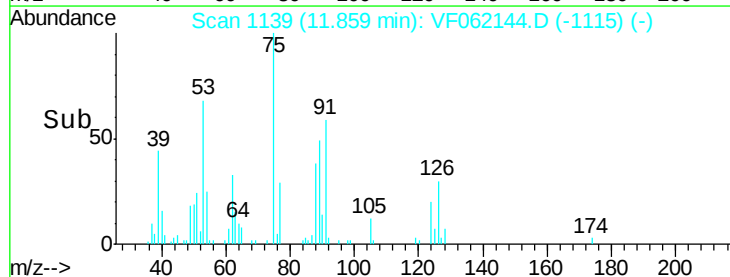
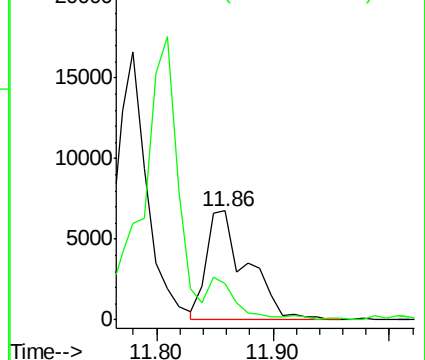
75 100

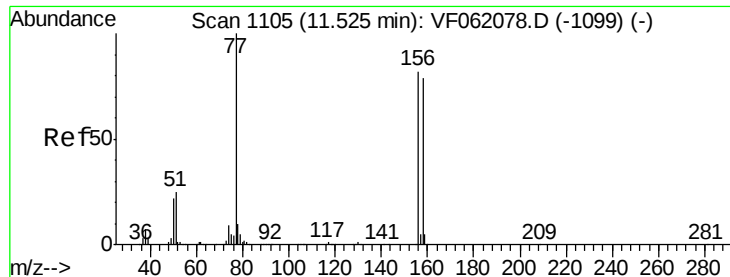
77 33.1 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

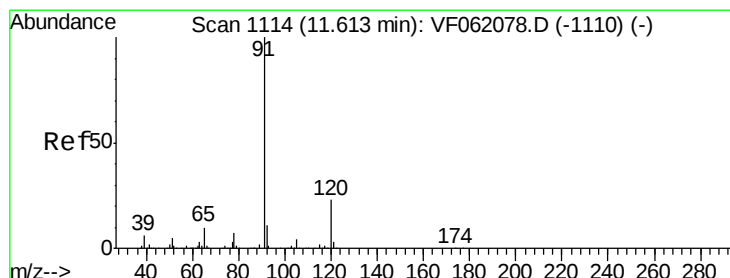
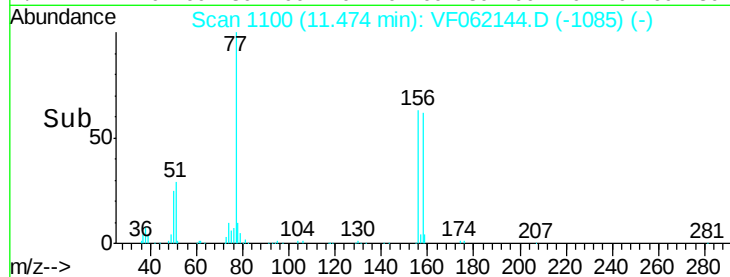
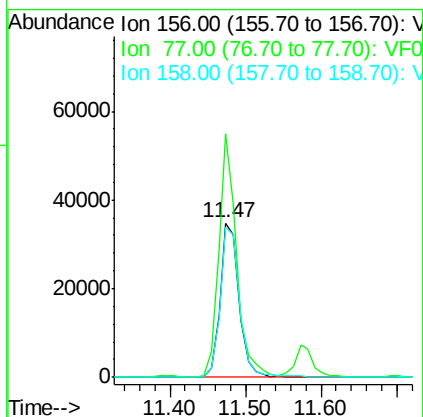
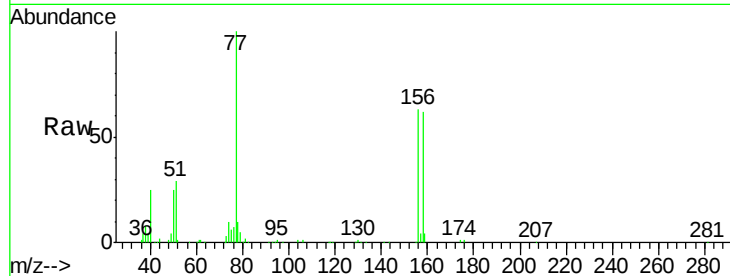




#77
Bromobenzene
Concen: 21.870 ug/l
RT: 11.47 min Scan# 1100
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

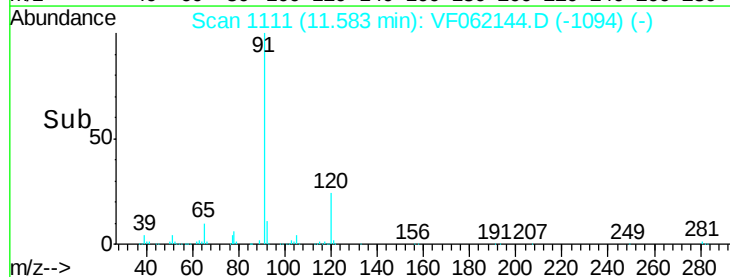
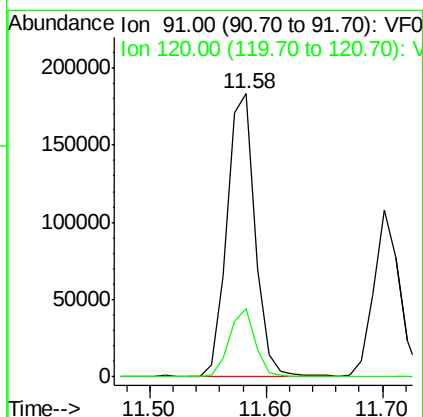
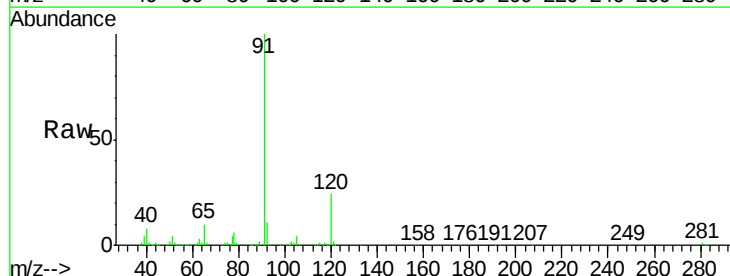
Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

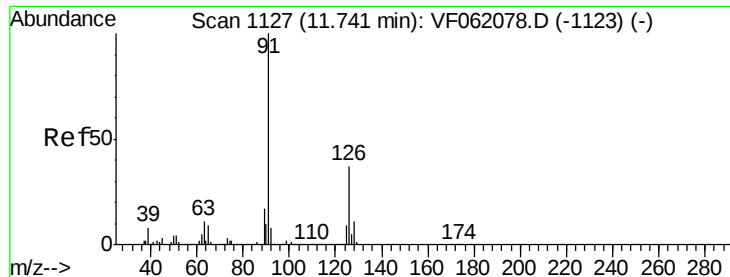
Tot Ion:156 Resp: 61113
Ion Ratio Lower Upper
156 100
77 158.0 61.3 183.9
158 97.3 48.6 145.9



#78
n-propylbenzene
Concen: 23.134 ug/l
RT: 11.58 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 91 Resp: 307240
Ion Ratio Lower Upper
91 100
120 24.0 11.3 33.8

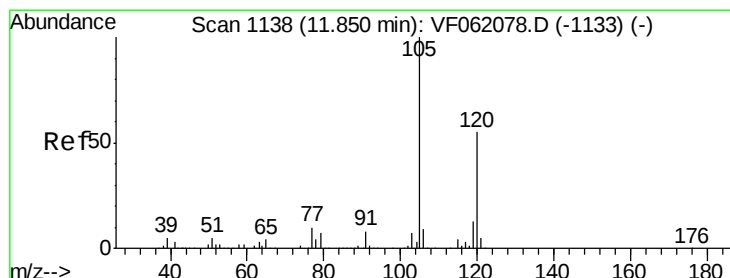
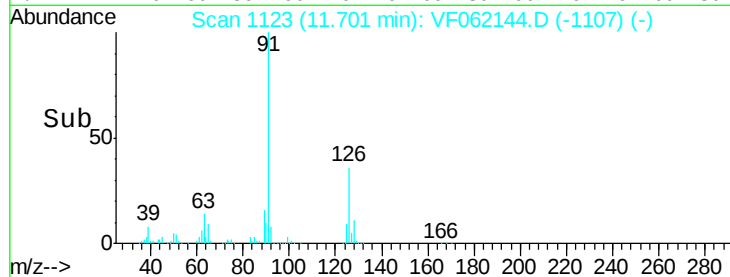
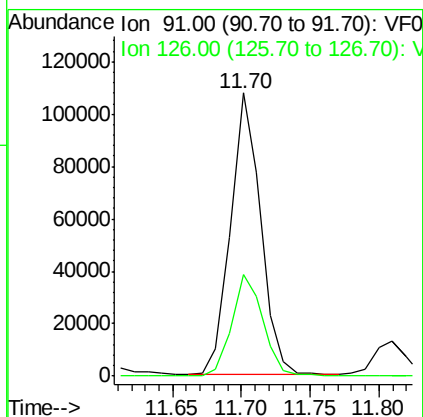
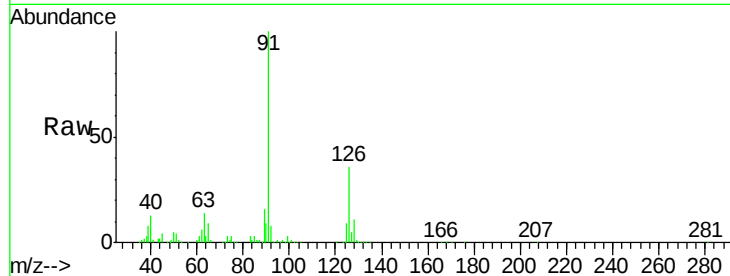




#79
 2-Chlorotoluene
 Concen: 22.059 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

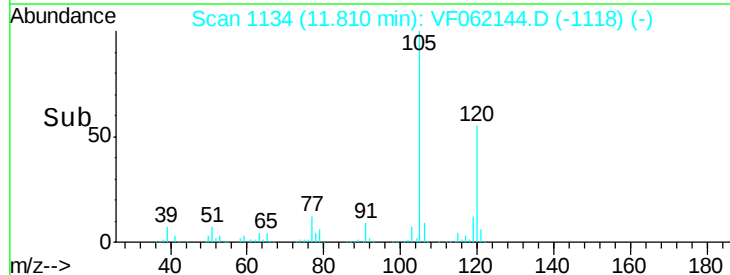
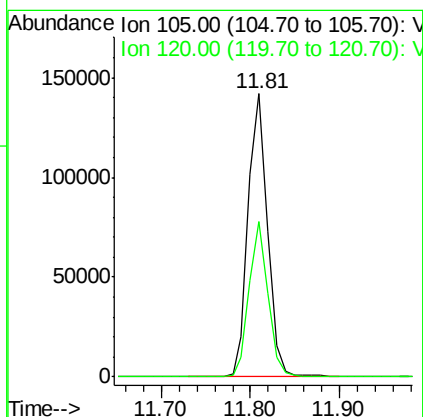
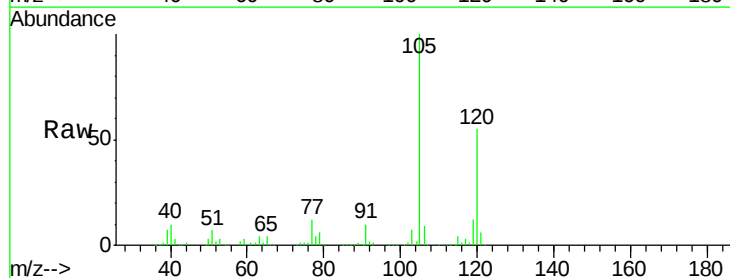
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

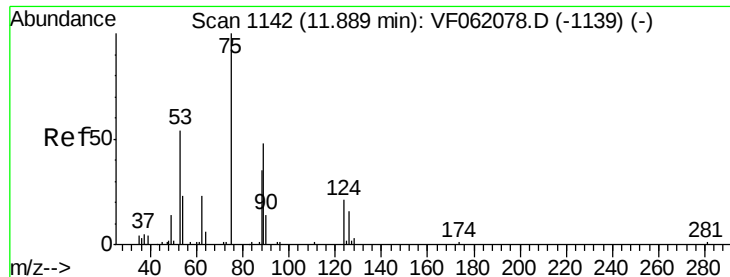
Tot Ion: 91 Resp: 162834
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.3 54.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.714 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 105 Resp: 213687
 Ion Ratio Lower Upper
 105 100
 120 54.8 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 29.097 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

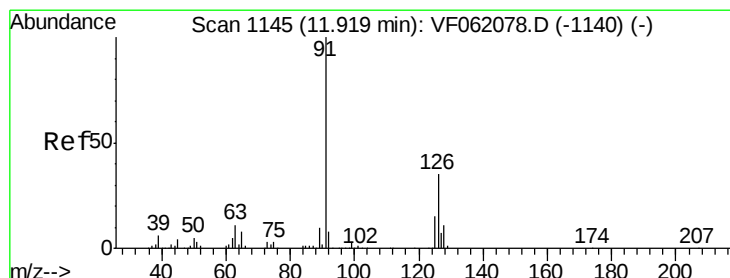
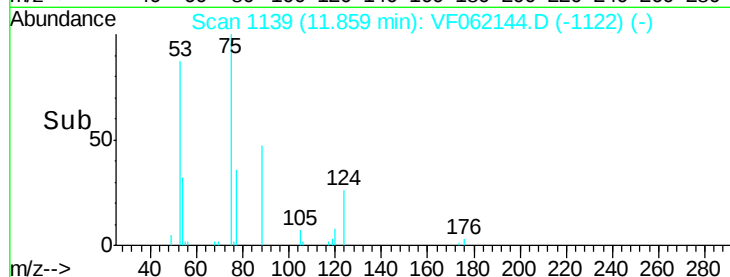
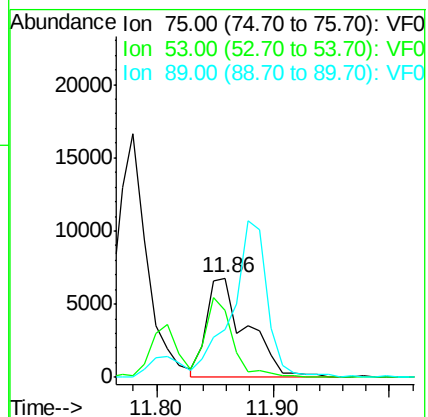
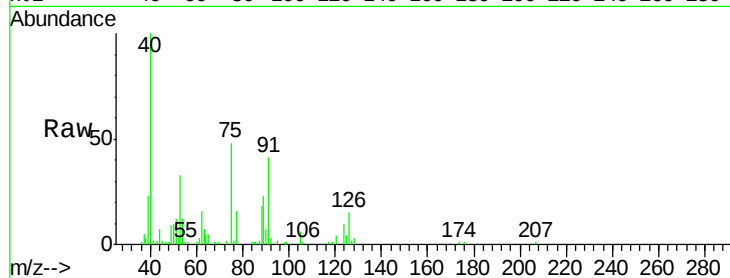
Tot Ion: 75 Resp: 16386

Ion Ratio Lower Upper

75 100

53 68.2 49.4 74.0

89 48.7 40.6 60.8



#82

4-Chlorotoluene

Concen: 22.905 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.04 min

Lab File: VF062144.D

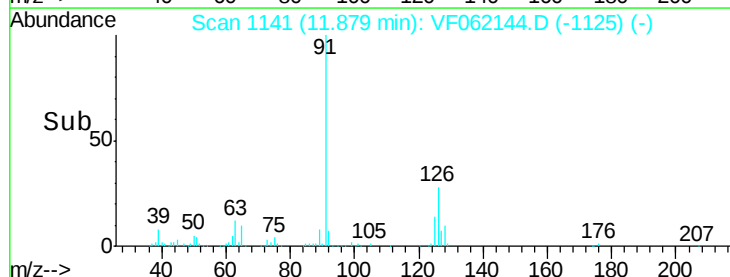
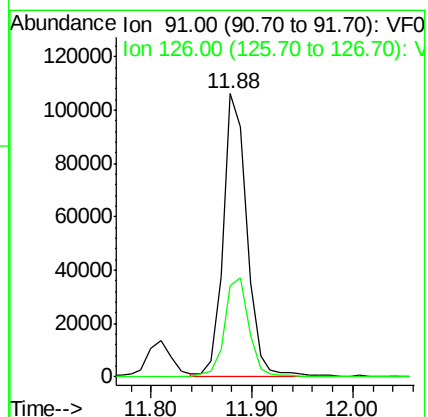
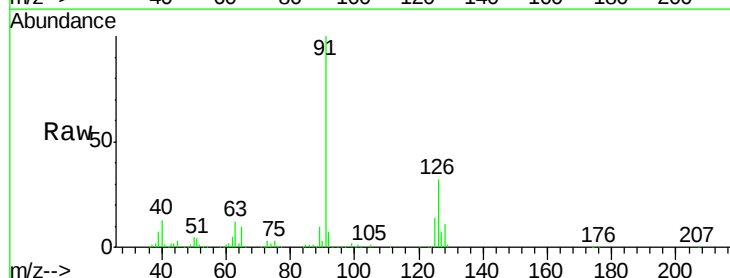
Acq: 26 Mar 2019 14:22

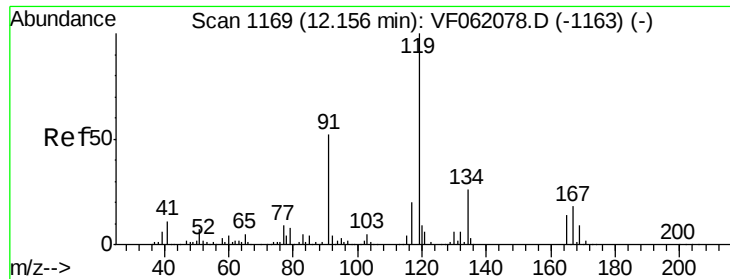
Tgt Ion: 91 Resp: 173365

Ion Ratio Lower Upper

91 100

126 32.1 17.2 51.6

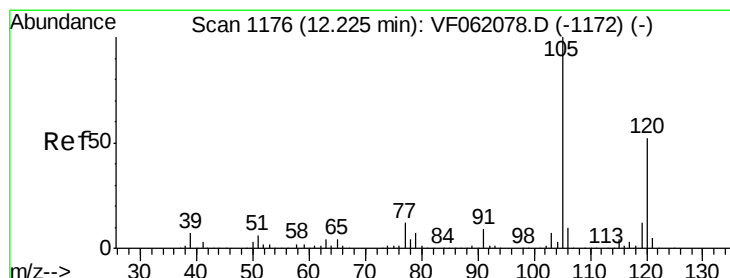
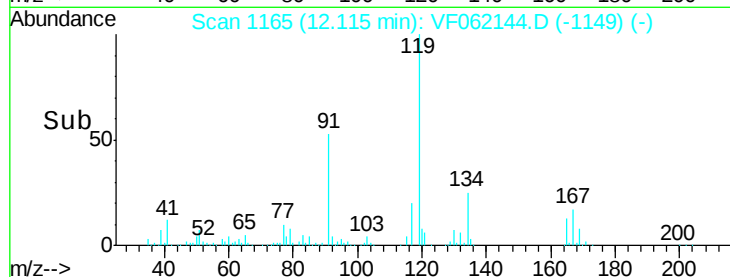
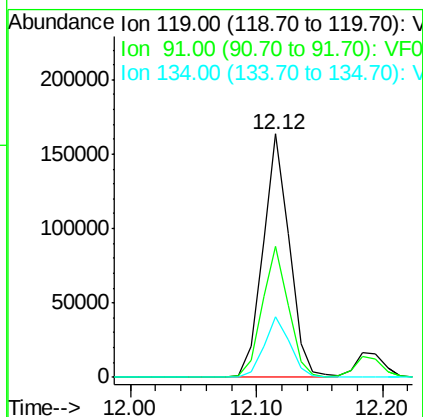
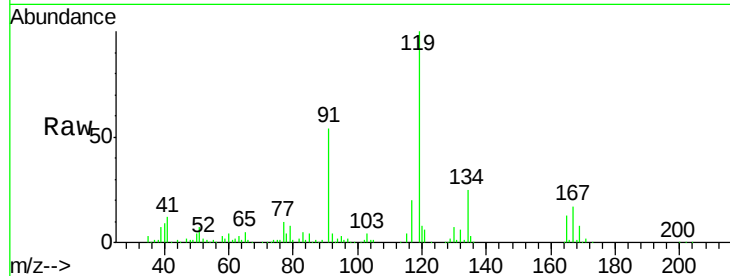




#83
 tert-Butylbenzene
 Concen: 24.288 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

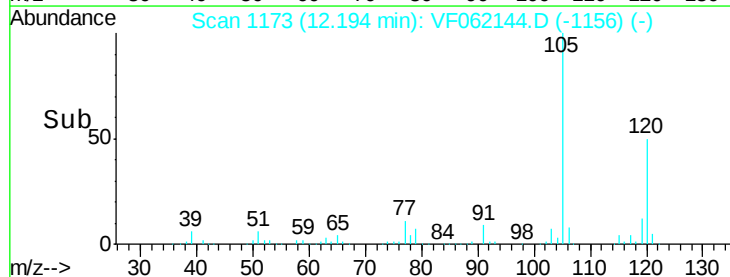
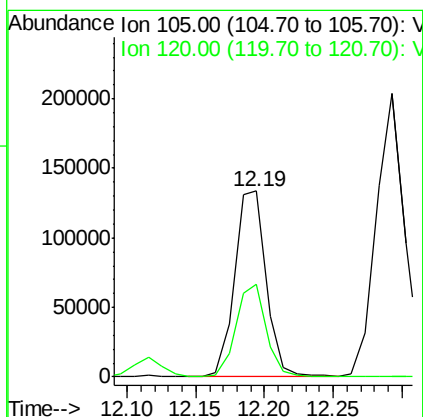
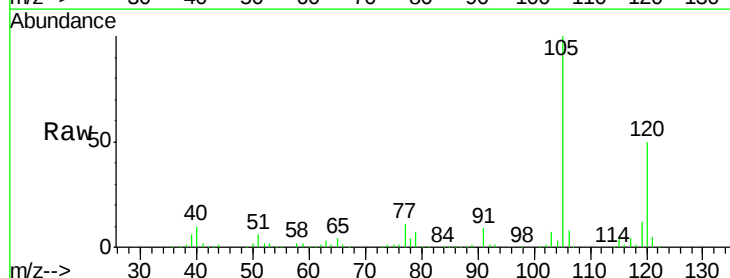
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

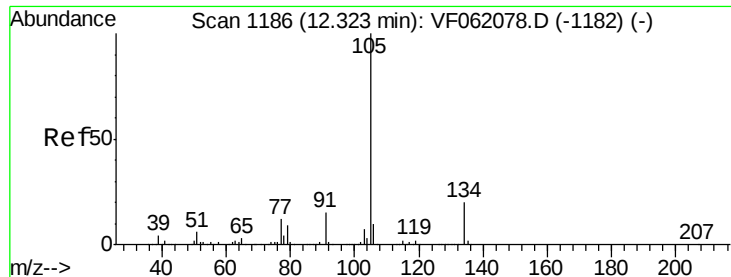
Tot Ion:119 Resp: 239188
 Ion Ratio Lower Upper
 119 100
 91 53.9 26.1 78.2
 134 24.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 23.100 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion:105 Resp: 213042
 Ion Ratio Lower Upper
 105 100
 120 50.2 26.1 78.2





#85

sec-Butylbenzene

Concen: 23.085 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

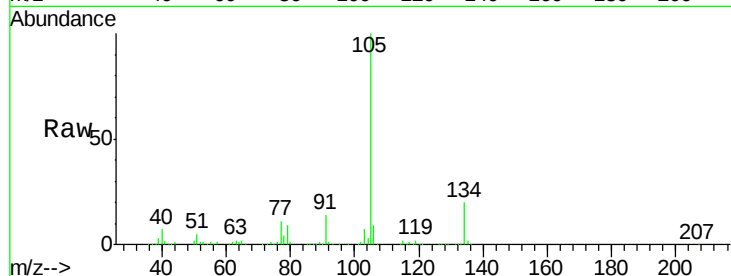
VF0326SBS01

Tot Ion:105 Resp: 294110

Ion Ratio Lower Upper

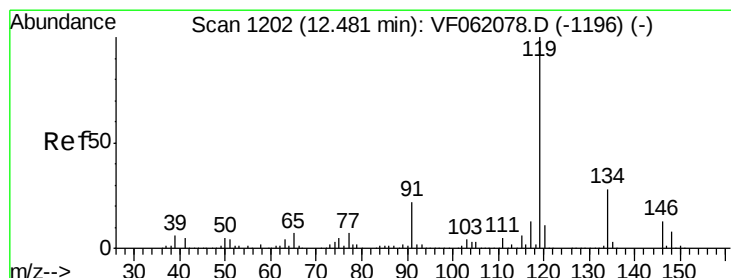
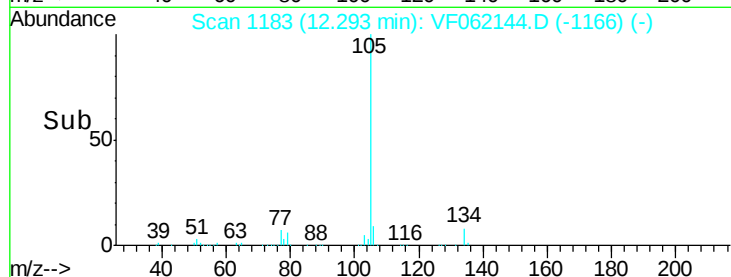
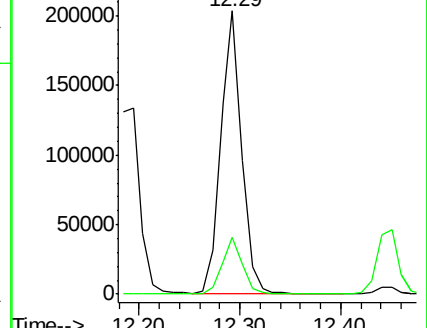
105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.668 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

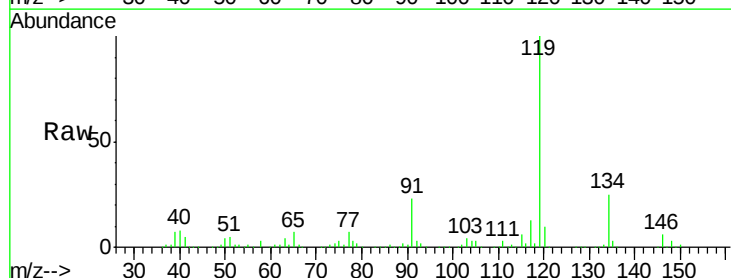
Tgt Ion:119 Resp: 261243

Ion Ratio Lower Upper

119 100

134 25.2 14.0 42.0

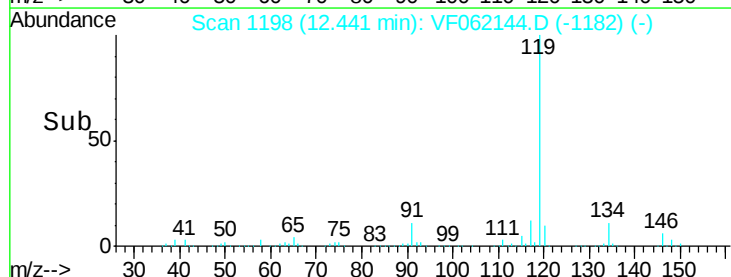
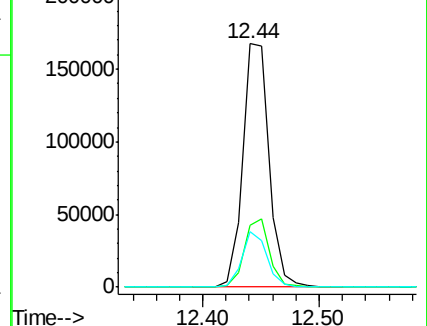
91 22.7 10.8 32.4

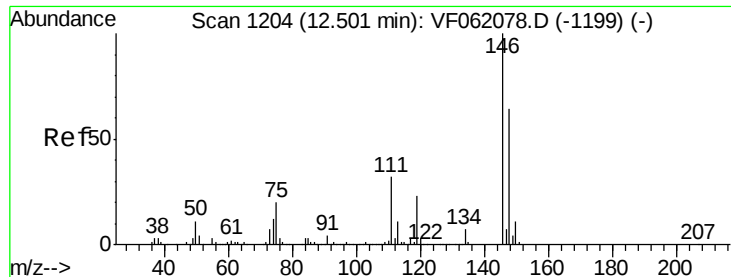


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

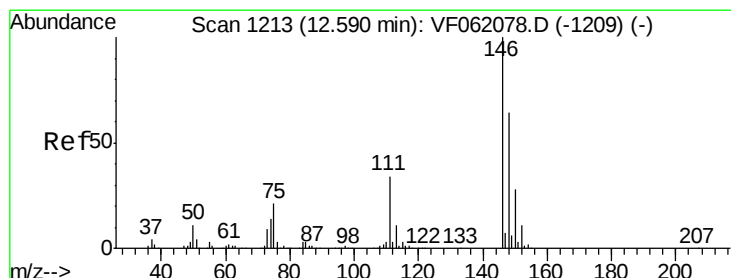
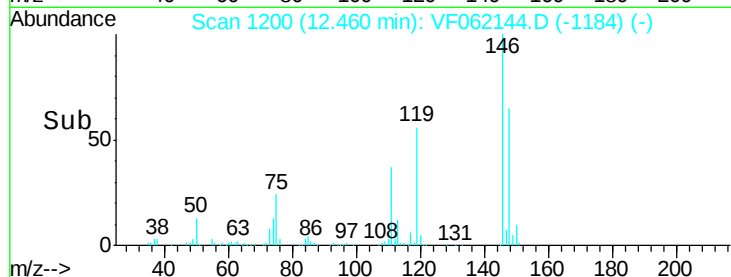
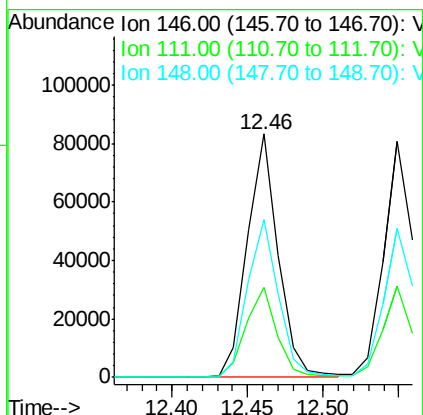
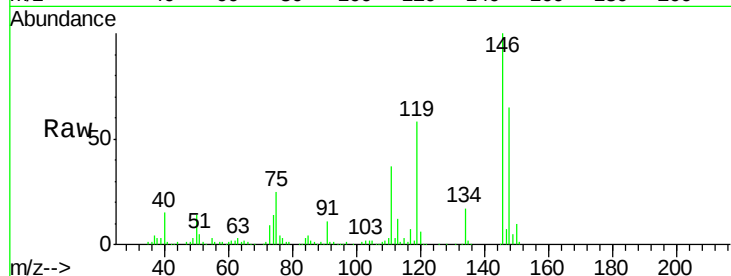




#87
 1,3-Dichlorobenzene
 Concen: 22.946 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

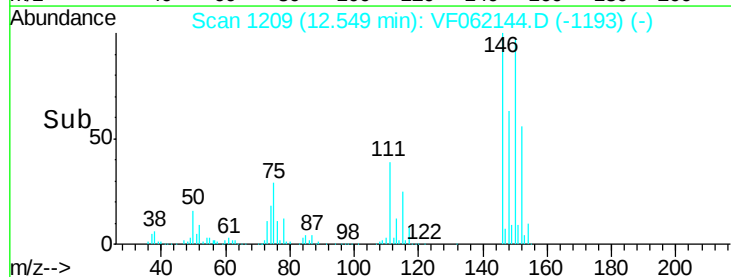
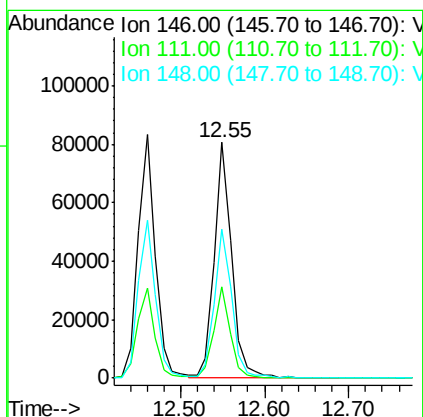
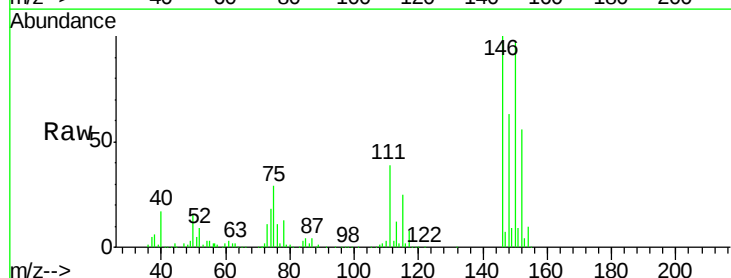
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

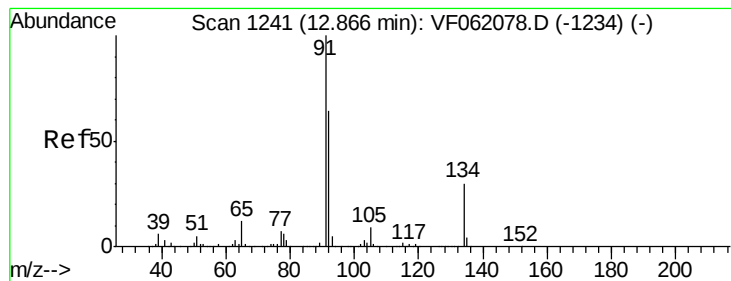
Tot Ion:146 Resp: 119122
 Ion Ratio Lower Upper
 146 100
 111 36.9 16.1 48.3
 148 64.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 22.977 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion:146 Resp: 116398
 Ion Ratio Lower Upper
 146 100
 111 38.6 16.9 50.6
 148 62.9 31.9 95.7





#89

n-Butylbenzene

Concen: 23.547 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

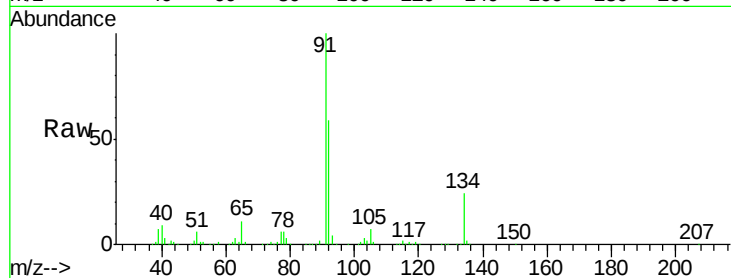
Tot Ion: 91 Resp: 247960

Ion Ratio Lower Upper

91 100

92 59.1 31.9 95.5

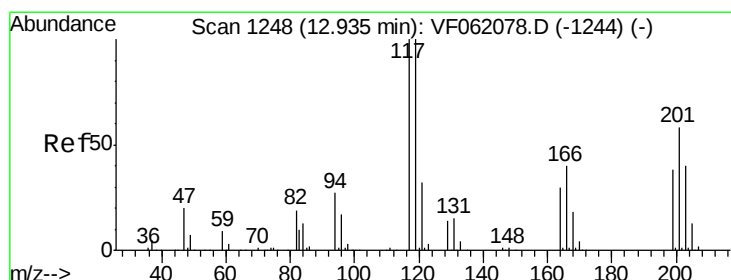
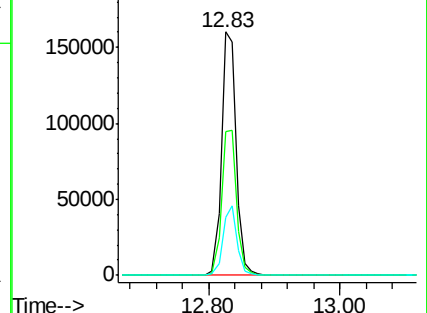
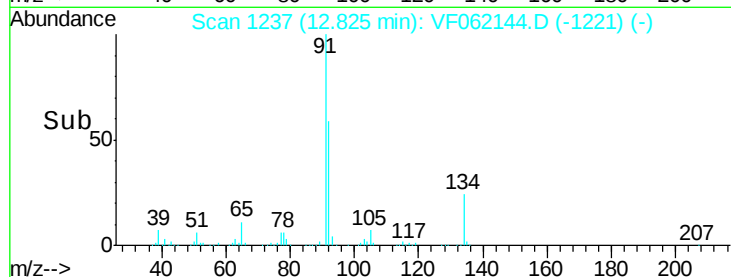
134 23.9 14.9 44.9



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: 22.476 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF062144.D

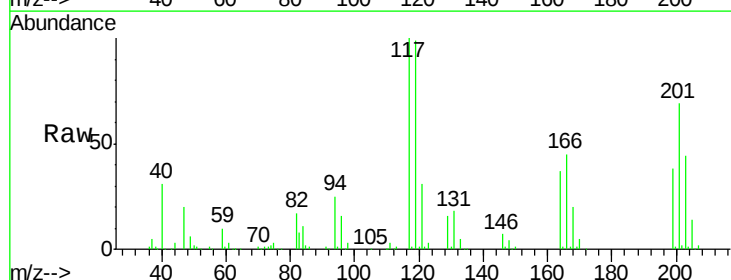
Acq: 26 Mar 2019 14:22

Tgt Ion: 117 Resp: 59071

Ion Ratio Lower Upper

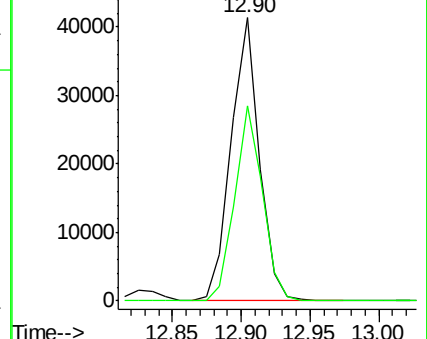
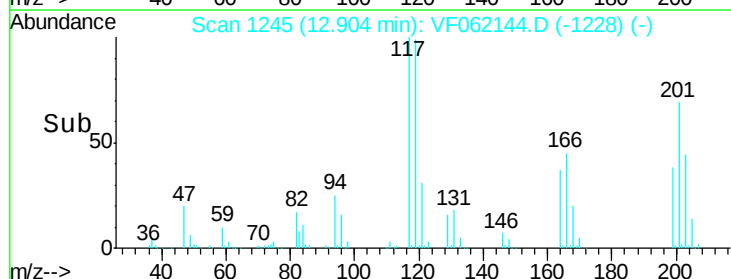
117 100

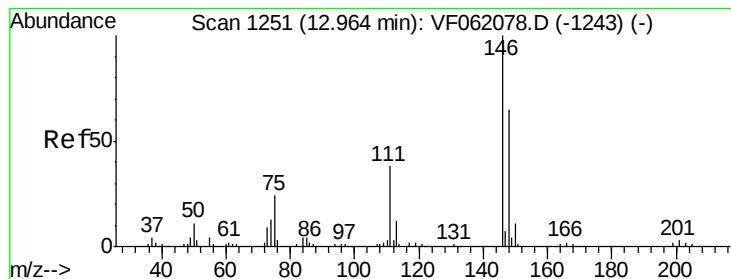
201 68.9 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.897 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

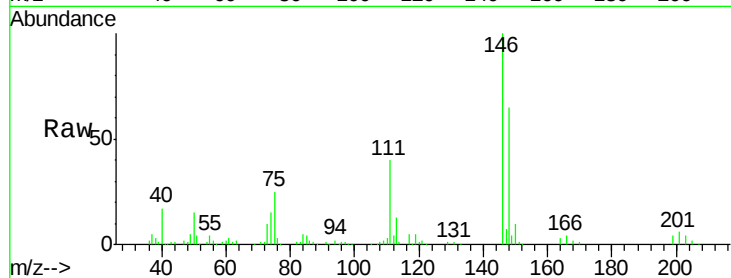
Tot Ion:146 Resp: 111619

Ion Ratio Lower Upper

146 100

111 40.2 19.1 57.3

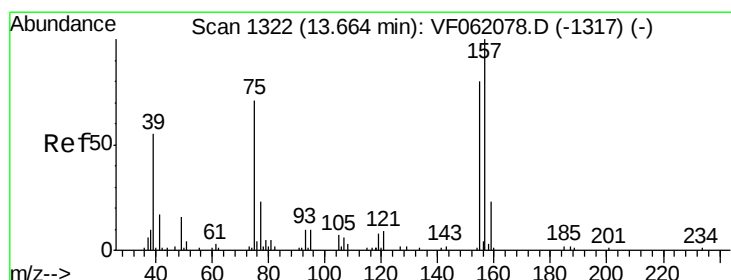
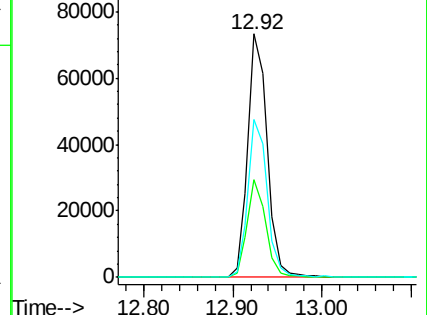
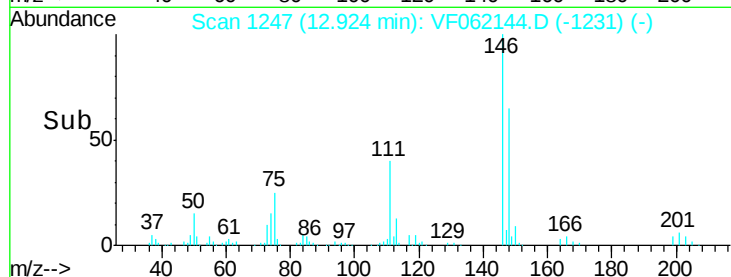
148 64.6 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.808 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

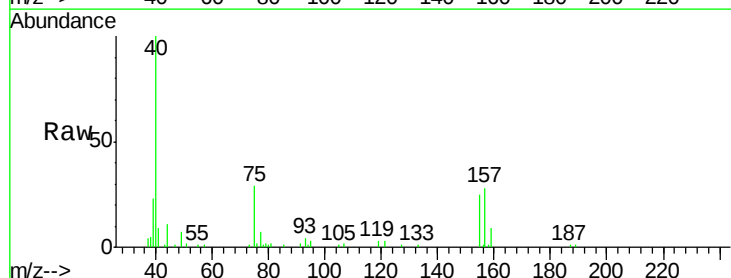
Tgt Ion: 75 Resp: 6489

Ion Ratio Lower Upper

75 100

155 87.5 56.1 168.4

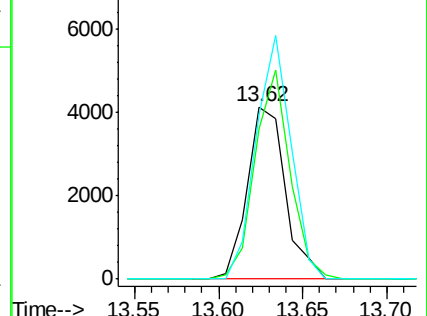
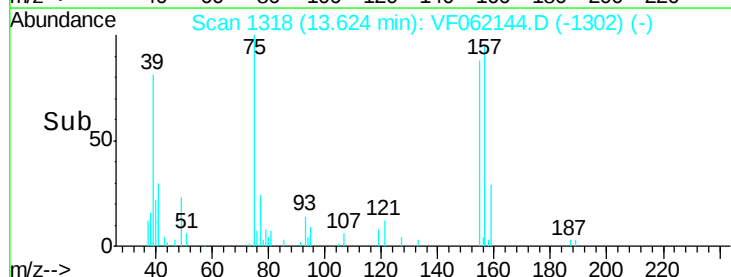
157 95.4 70.4 211.2

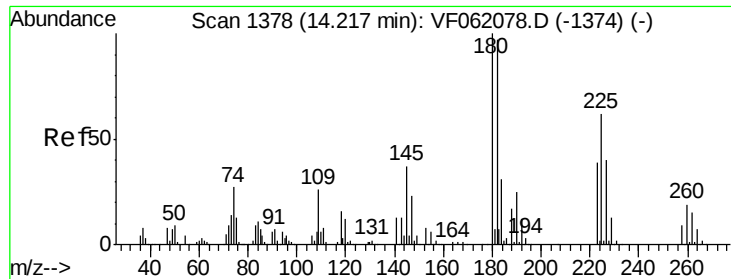


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

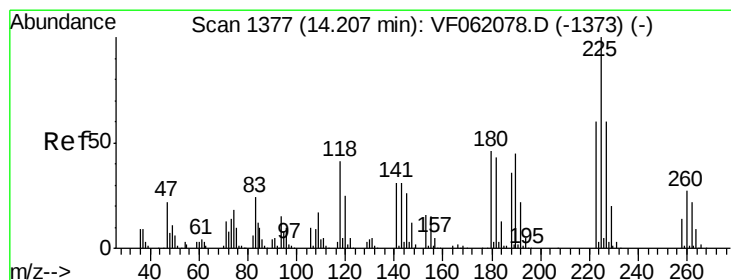
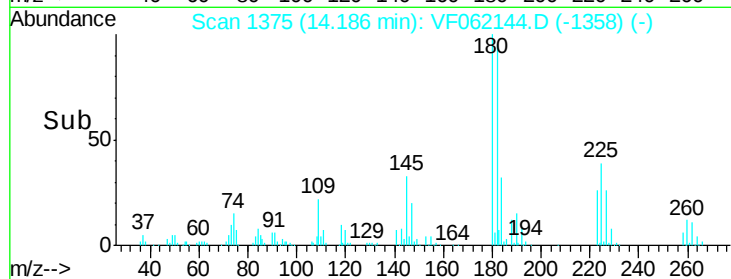
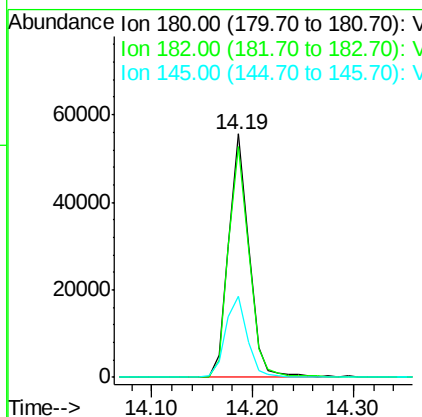
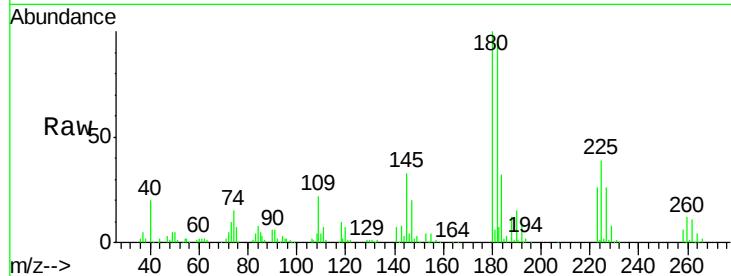




#93
 1,2,4-Trichlorobenzene
 Concen: 23.160 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

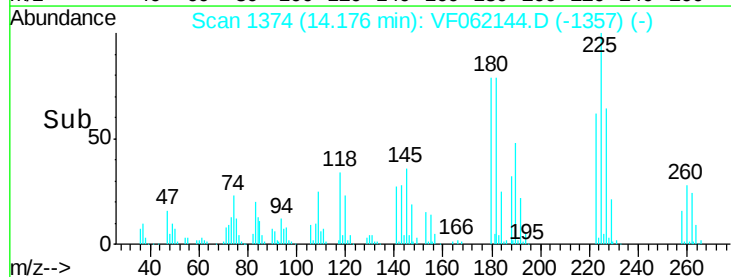
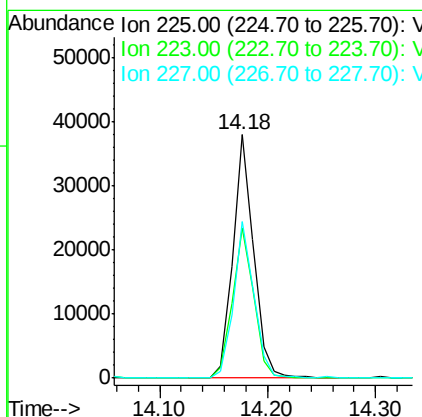
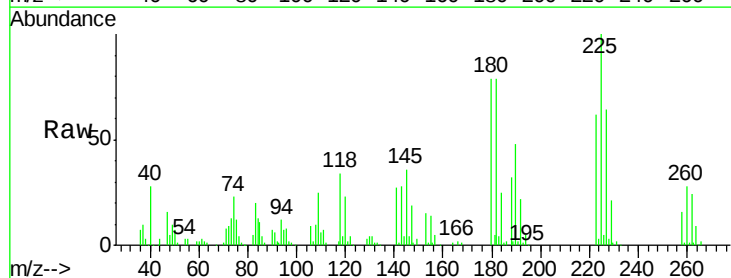
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

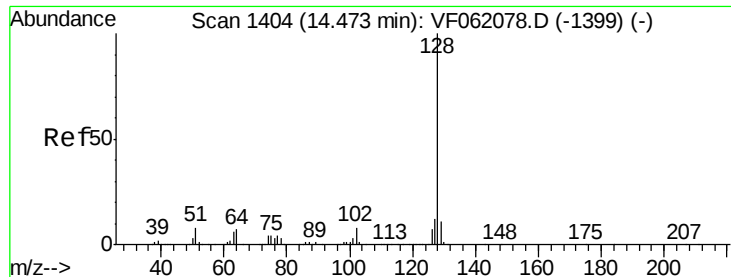
Tot Ion:180 Resp: 78687
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.7 146.1
 145 33.4 18.3 54.8



#94
 Hexachlorobutadiene
 Concen: 22.514 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion:225 Resp: 50858
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.0 90.0
 227 64.5 30.2 90.6





#95

Naphthalene

Concen: 21.088 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

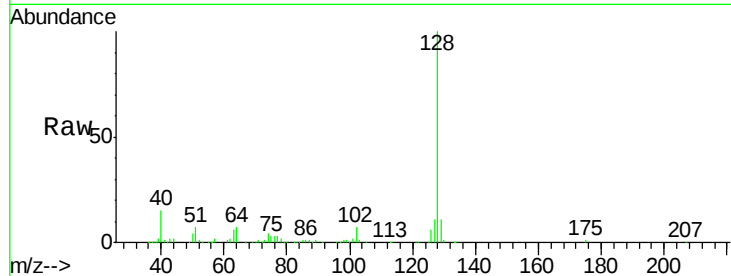
Tot Ion:128 Resp: 125553

Ion Ratio Lower Upper

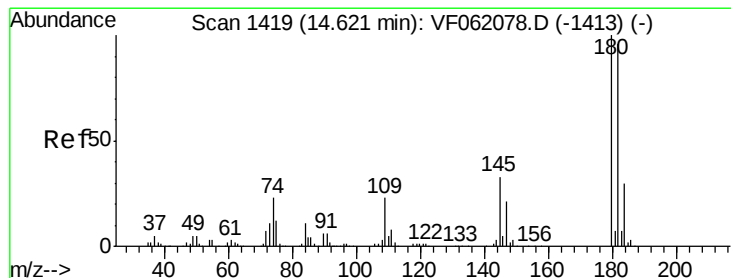
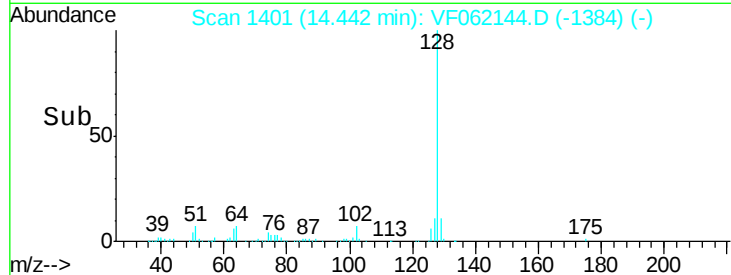
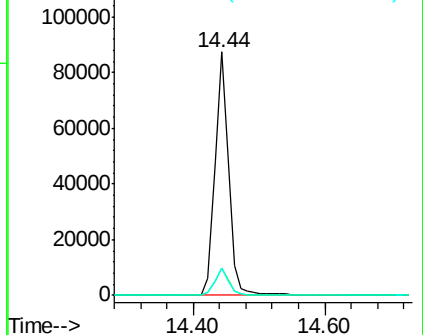
128 100

127 11.4 9.5 14.3

129 11.1 8.7 13.1



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: 22.303 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

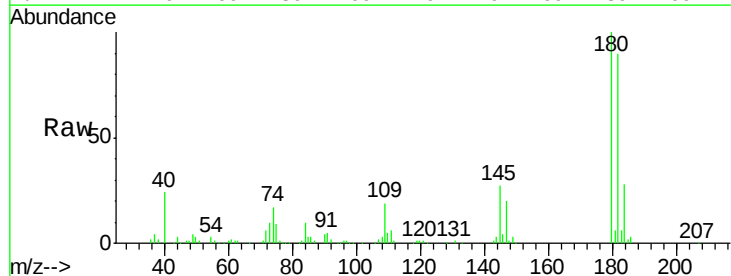
Tgt Ion:180 Resp: 70930

Ion Ratio Lower Upper

180 100

182 90.2 47.9 143.7

145 26.7 16.6 49.7



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

