

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061495.D
 Acq On : 24 Jan 2019 12:47
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Quant Time: Jan 25 04:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	210576	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	5.64	114	381091	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.81	117	318755	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.57	152	162488	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	109352	42.06	ug/l	0.05
Spiked Amount			Recovery	=	84.12%	
35) Dibromofluoromethane	4.15	113	124561	41.42	ug/l	0.05
Spiked Amount			Recovery	=	82.84%	
50) Toluene-d8	7.59	98	350548	42.55	ug/l	0.05
Spiked Amount			Recovery	=	85.10%	
62) 4-Bromofluorobenzene	11.44	95	157973	41.04	ug/l	0.04
Spiked Amount			Recovery	=	82.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	66647	16.108	ug/l	96
3) Chloromethane	1.11	50	56820	18.729	ug/l	99
4) Vinyl Chloride	1.15	62	49717	18.423	ug/l	99
5) Bromomethane	1.33	94	33810	19.212	ug/l	87
6) Chloroethane	1.41	64	21725	18.168	ug/l	99
7) Trichlorofluoromethane	1.50	101	85253	16.250	ug/l	98
8) Diethyl Ether	1.64	74	13644	20.296	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	46453	18.427	ug/l	97
10) Methyl Iodide	1.93	142	57878	14.810	ug/l	95
11) Tert butyl alcohol	2.60	59	9809	89.135	ug/l	98
12) 1,1-Dichloroethene	1.81	96	35520	18.966	ug/l	90
13) Acrolein	2.15	56	182	12.178	ug/l	99
14) Allyl chloride	2.12	41	51748	22.591	ug/l	91
15) Acrylonitrile	2.98	53	27244	96.650	ug/l	88
16) Acetone	2.27	43	54079	103.688	ug/l	99
17) Carbon Disulfide	1.84	76	74990	12.841	ug/l	98
18) Methyl Acetate	2.37	43	21126	20.425	ug/l #	92
19) Methyl tert-butyl Ether	2.46	73	76583	18.241	ug/l	95
20) Methylene Chloride	2.28	84	19320	9.489	ug/l	90
21) trans-1,2-Dichloroethene	2.33	96	35012	16.991	ug/l	98
22) Diisopropyl ether	2.83	45	125344	18.807	ug/l	99
23) Vinyl Acetate	3.22	43	313886	108.898	ug/l	98
24) 1,1-Dichloroethane	2.90	63	71334	17.053	ug/l	96
25) 2-Butanone	4.38	43	102842	118.574	ug/l	93
26) 2,2-Dichloropropane	3.64	77	42949	16.712	ug/l	98
27) cis-1,2-Dichloroethene	3.51	96	59375	19.520	ug/l	96
28) Bromochloromethane	3.75	49	37393	19.887	ug/l	97
29) Tetrahydrofuran	4.12	42	37599	100.676	ug/l	94
30) Chloroform	3.90	83	109131	19.331	ug/l	96
31) Cyclohexane	3.73	56	42032	10.059	ug/l	95
32) 1,1,1-Trichloroethane	4.14	97	64878	15.674	ug/l	97
36) 1,1-Dichloropropene	4.33	75	85692	19.394	ug/l	99
37) Ethyl Acetate	4.15	43	33971	19.233	ug/l	84
38) Carbon Tetrachloride	4.03	117	59159	15.315	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061495.D
 Acq On : 24 Jan 2019 12:47
 Operator : VA/AP
 Sample : VF0124SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBSD01

Quant Time: Jan 25 04:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	85697	17.897	ug/l	93
40) Benzene	4.67	78	196107	19.946	ug/l	99
41) Methacrylonitrile	4.78	41	19245	20.477	ug/l #	87
42) 1,2-Dichloroethane	4.98	62	62148	17.738	ug/l	99
43) Isopropyl Acetate	6.99	43	44141	19.912	ug/l #	90
44) Trichloroethene	5.54	130	58164	19.284	ug/l	95
45) 1,2-Dichloropropane	6.27	63	49059	19.012	ug/l	97
46) Dibromomethane	6.12	93	30899	18.008	ug/l	91
47) Bromodichloromethane	6.43	83	75938	17.887	ug/l	94
48) Methyl methacrylate	6.75	41	30590	20.550	ug/l	96
49) 1,4-Dioxane	6.75	88	4054	344.668	ug/l	90
51) 4-Methyl-2-Pentanone	8.29	43	162417	99.663	ug/l	100
52) Toluene	7.66	92	116291	17.961	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	62809	18.632	ug/l	100
54) cis-1,3-Dichloropropene	7.34	75	83836	19.896	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	35436	19.273	ug/l	95
56) Ethyl methacrylate	8.66	69	45117	21.091	ug/l	92
57) 1,3-Dichloropropane	8.89	76	60102	17.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.34	63	32338	155.813	ug/l	98
59) 2-Hexanone	9.53	43	122249	107.576	ug/l	99
60) Dibromochloromethane	8.76	129	47463	17.657	ug/l	98
61) 1,2-Dibromoethane	9.02	107	36419	17.302	ug/l	88
64) Tetrachloroethene	8.19	164	47068	19.636	ug/l	95
65) Chlorobenzene	9.83	112	130325	20.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	53353	20.661	ug/l	94
67) Ethyl Benzene	9.94	91	236600	19.978	ug/l	98
68) m/p-Xylenes	10.17	106	171813	40.336	ug/l	96
69) o-Xylene	10.75	106	99730	21.602	ug/l	92
70) Styrene	10.82	104	133450	21.118	ug/l	97
71) Bromoform	10.81	173	23421	20.187	ug/l	100
73) Isopropylbenzene	11.15	105	279381	21.140	ug/l	100
74) N-amyl acetate	11.40	43	73616	23.557	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.72	83	49588	21.063	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	34544	20.420	ug/l	95
77) Bromobenzene	11.53	156	56600	20.280	ug/l	96
78) n-propylbenzene	11.62	91	336226	19.508	ug/l	95
79) 2-Chlorotoluene	11.74	91	191542	20.889	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	229302	21.500	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.89	75	21028	28.594	ug/l	96
82) 4-Chlorotoluene	11.92	91	189504	20.481	ug/l	98
83) tert-Butylbenzene	12.16	119	231738	20.993	ug/l	94
84) 1,2,4-Trimethylbenzene	12.23	105	224407	20.427	ug/l	95
85) sec-Butylbenzene	12.33	105	305726	20.394	ug/l	94
86) p-Isopropyltoluene	12.48	119	265280	21.557	ug/l	97
87) 1,3-Dichlorobenzene	12.50	146	111104	18.924	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	105021	19.913	ug/l	96
89) n-Butylbenzene	12.87	91	267890	21.109	ug/l	97
90) Hexachloroethane	12.94	117	63119	21.759	ug/l	84
91) 1,2-Dichlorobenzene	12.97	146	107084	20.510	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	8195	19.625	ug/l	84

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
Data File : VF061495.D
Acq On : 24 Jan 2019 12:47
Operator : VA/AP
Sample : VF0124SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBSD01

Quant Time: Jan 25 04:07:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

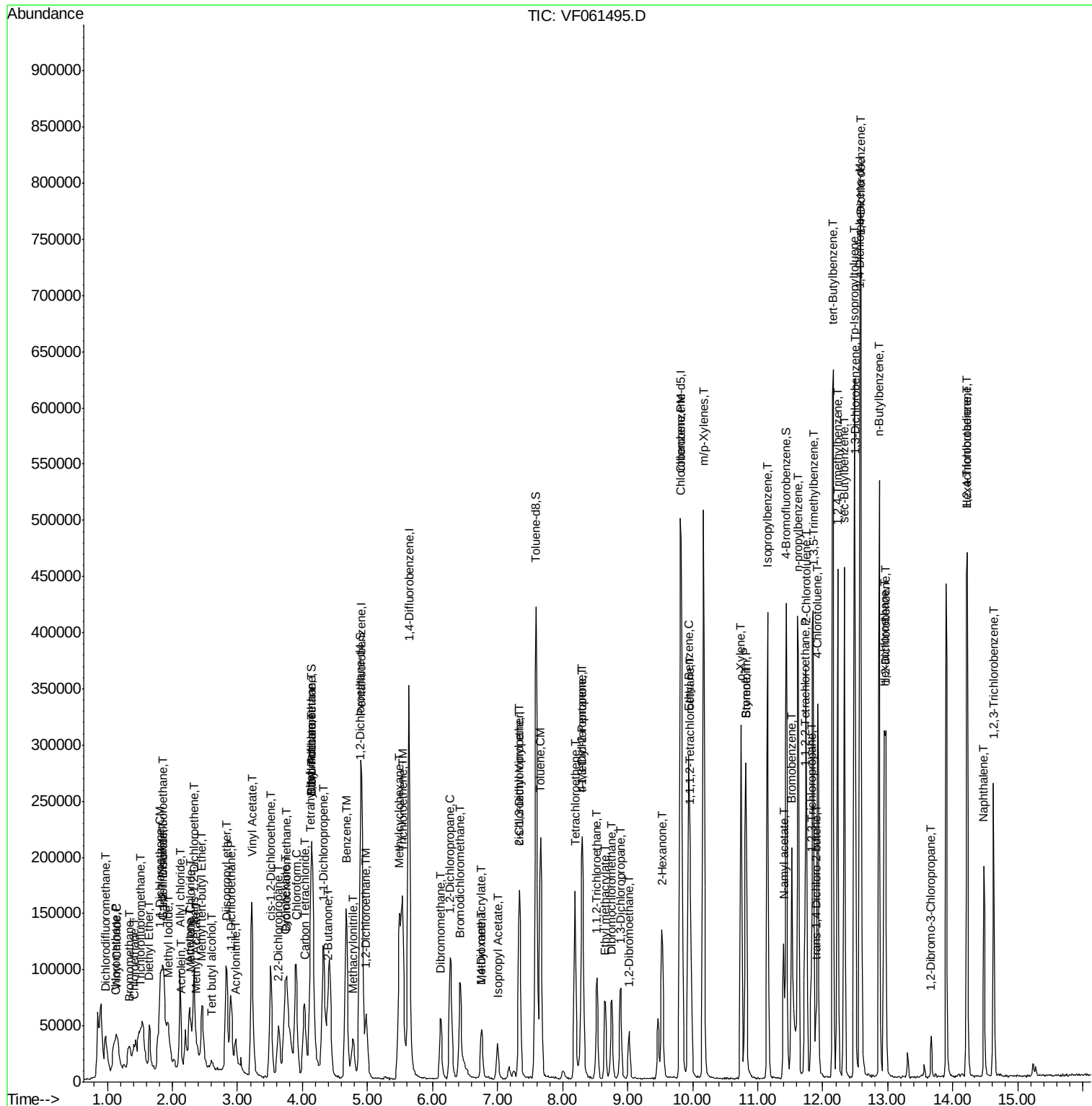
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	73732	20.159	ug/l	97
94) Hexachlorobutadiene	14.21	225	43022	18.956	ug/l	99
95) Naphthalene	14.48	128	132166	19.020	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	65269	19.278	ug/l	99

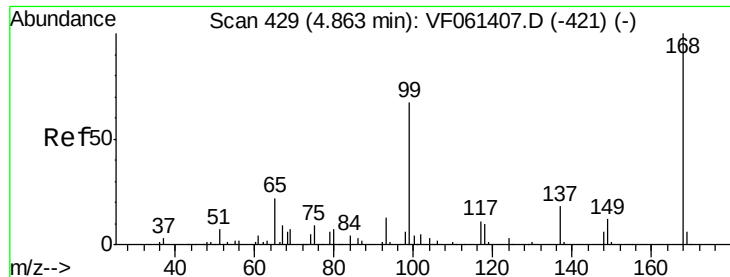
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
Data File : VF061495.D
Acq On : 24 Jan 2019 12:47
Operator : VA/AP
Sample : VF0124SBSD01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
Client Sample Id :
VF0124SBSD01

Quant Time: Jan 25 04:07:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

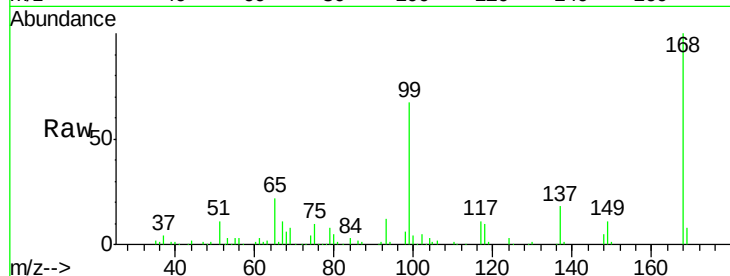
VF0124SBS01

Tot Ion:168 Resp: 210576

Ion Ratio Lower Upper

168 100

99 66.7 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

60000

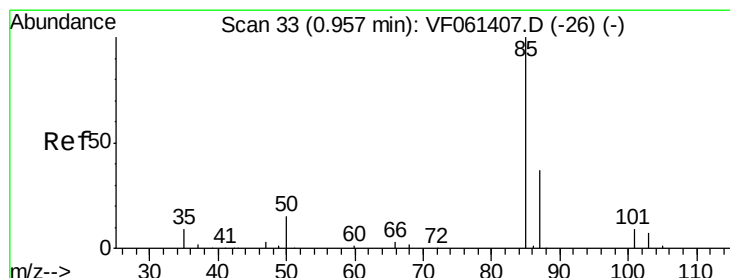
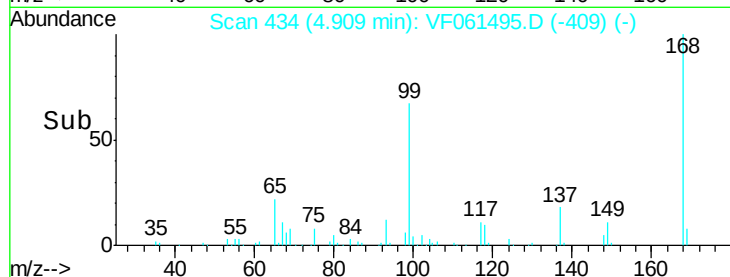
40000

20000

0

Time-->

4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 16.108 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061495.D

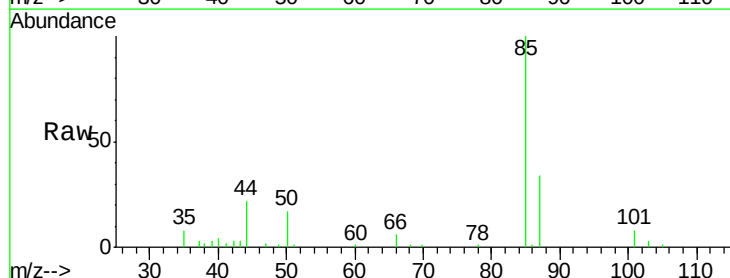
Acq: 24 Jan 2019 12:47

Tgt Ion: 85 Resp: 66647

Ion Ratio Lower Upper

85 100

87 34.4 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

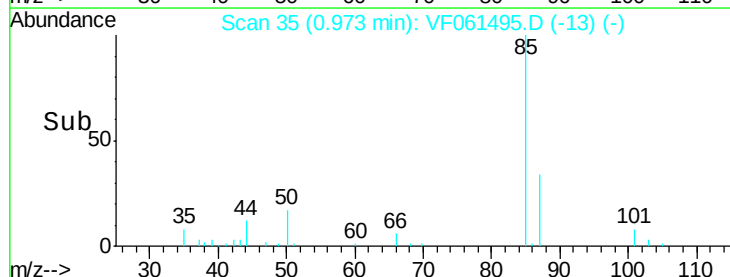
10000

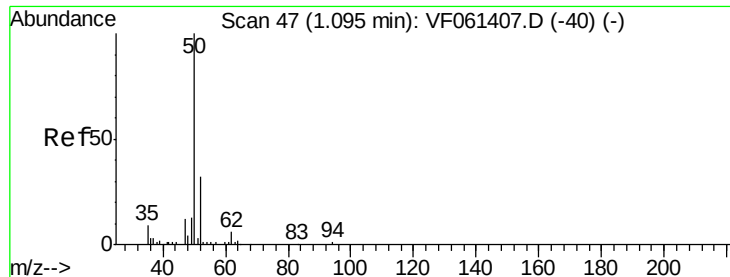
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 18.729 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.02 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

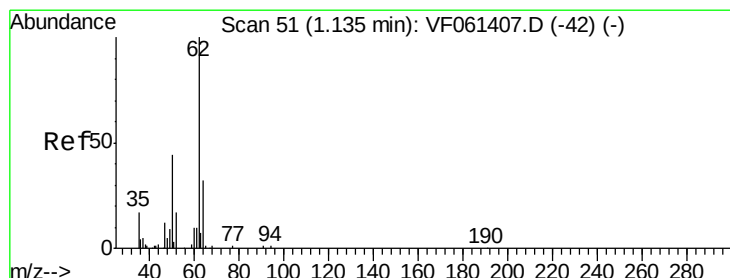
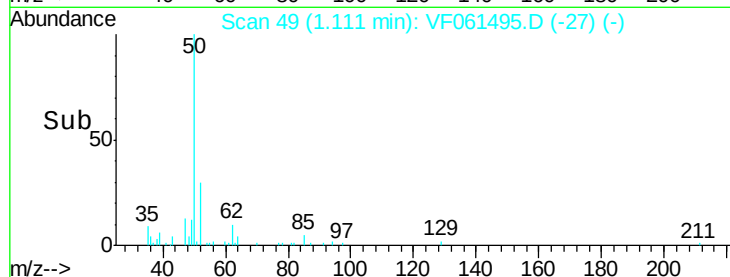
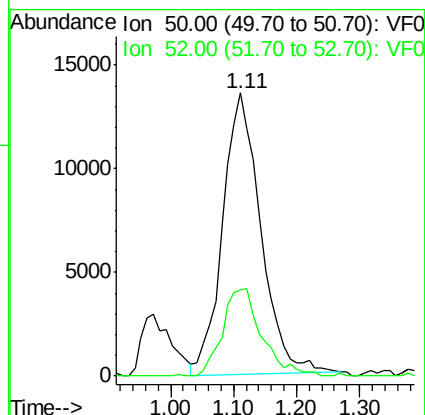
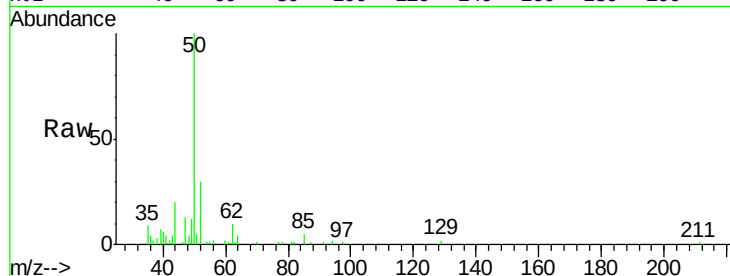
VF0124SBS01

Tot Ion: 50 Resp: 56820

Ion Ratio Lower Upper

50 100

52 30.3 24.6 36.8



#4

Vinyl Chloride

Concen: 18.423 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061495.D

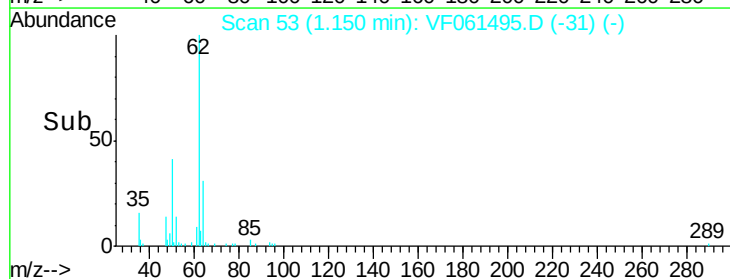
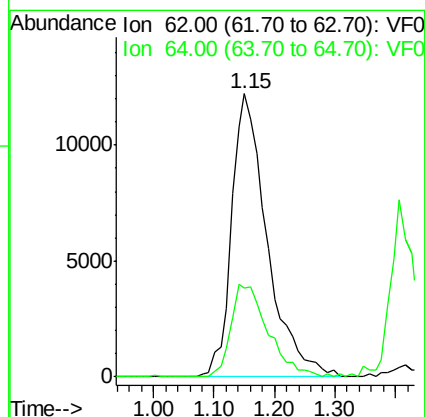
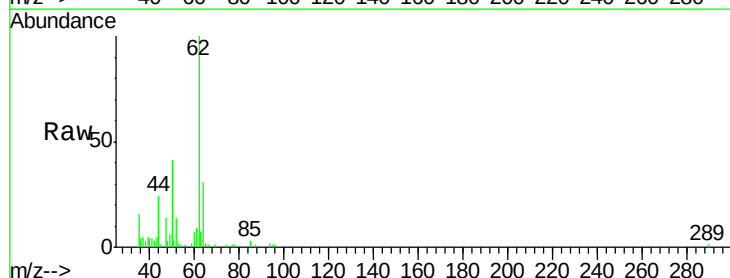
Acq: 24 Jan 2019 12:47

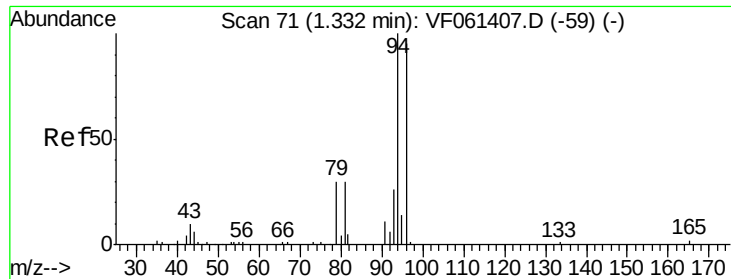
Tgt Ion: 62 Resp: 49717

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 19.212 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

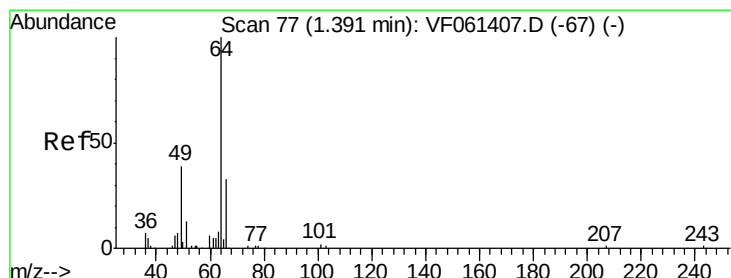
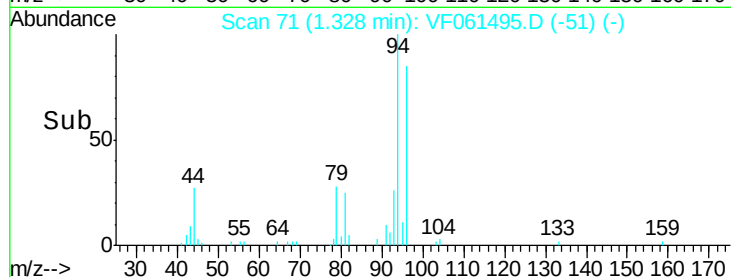
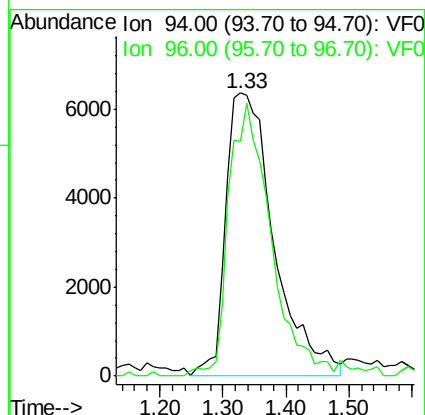
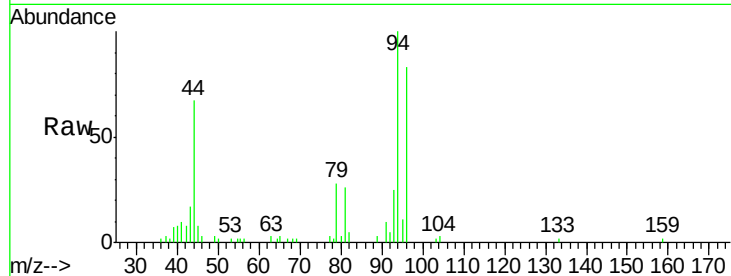
VF0124SBS01

Tot Ion: 94 Resp: 33810

Ion Ratio Lower Upper

94 100

96 82.8 76.0 114.0



#6

Chloroethane

Concen: 18.168 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061495.D

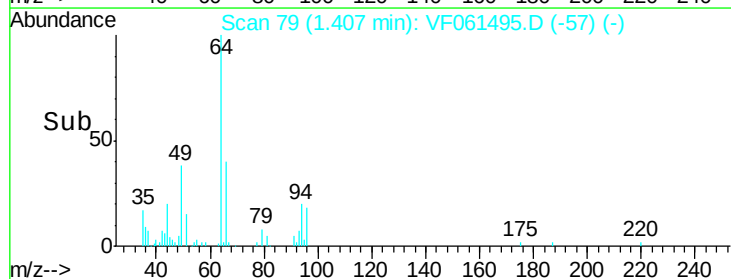
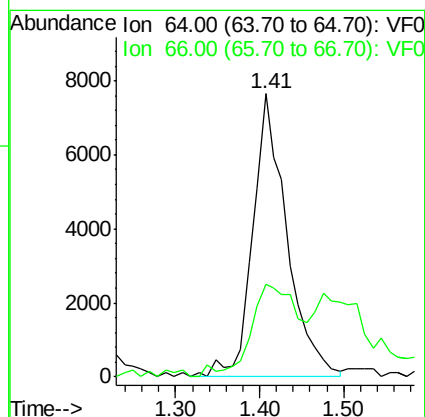
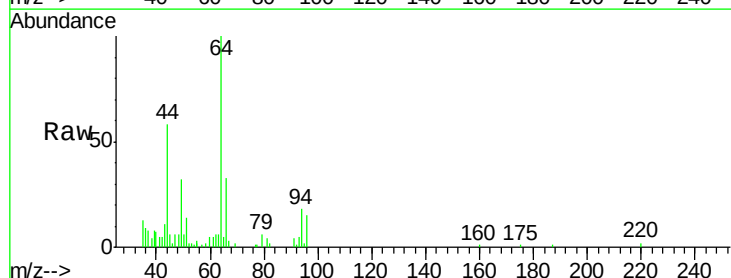
Acq: 24 Jan 2019 12:47

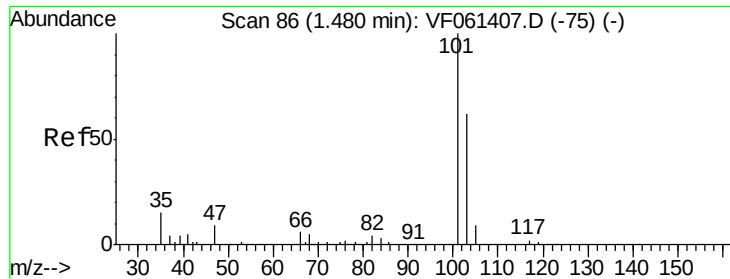
Tgt Ion: 64 Resp: 21725

Ion Ratio Lower Upper

64 100

66 32.7 26.6 40.0



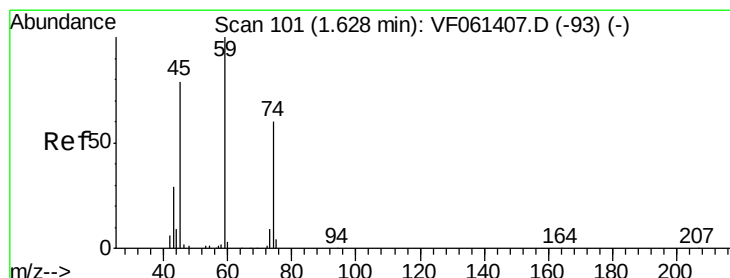
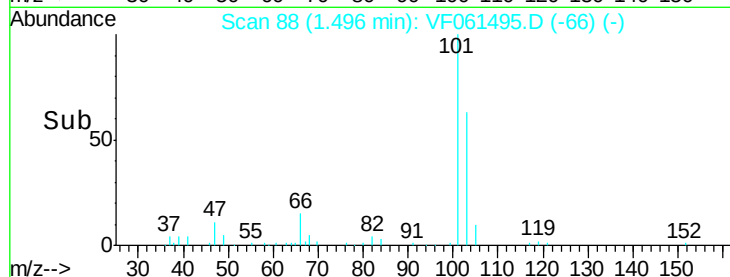
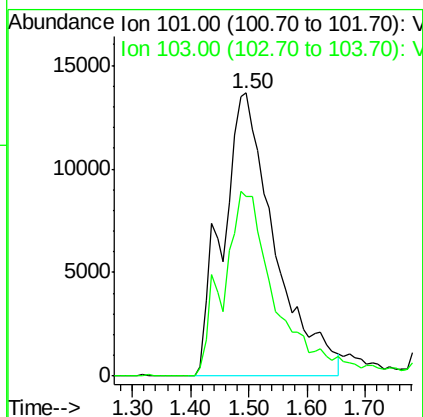
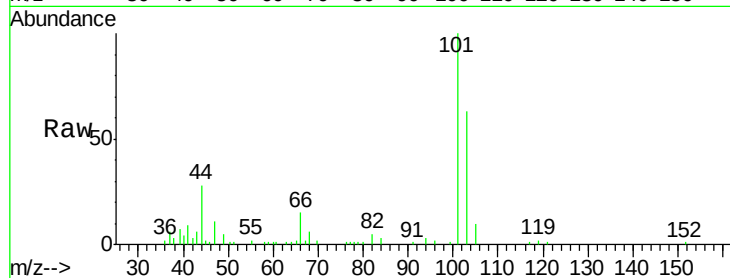


#7

Trichlorofluoromethane
Concen: 16.250 ug/l
RT: 1.50 min Scan# 88
Delta R.T. 0.02 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

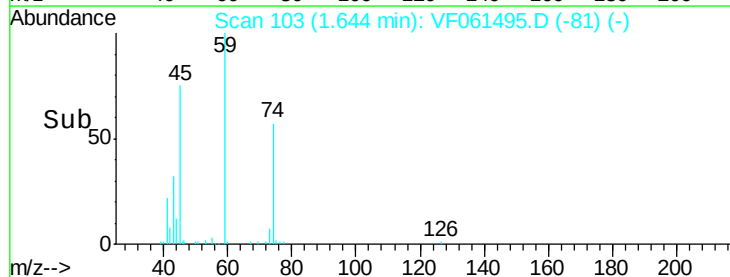
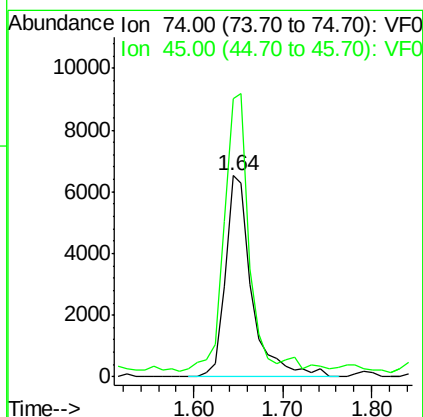
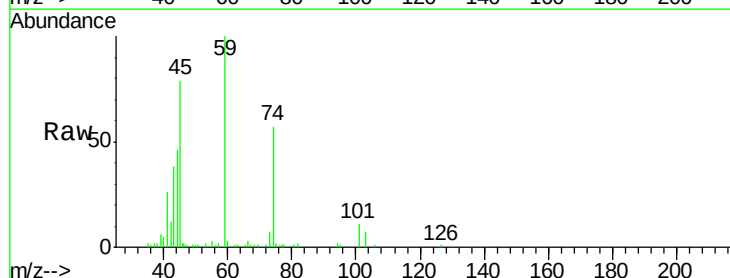
Tot Ion:101 Resp: 85253
Ion Ratio Lower Upper
101 100
103 63.5 49.7 74.5

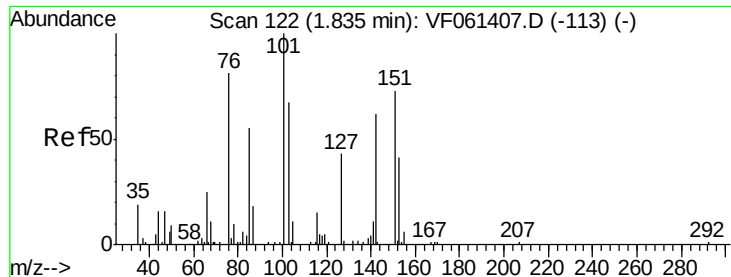


#8

Diethyl Ether
Concen: 20.296 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.02 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 74 Resp: 13644
Ion Ratio Lower Upper
74 100
45 138.2 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.427 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

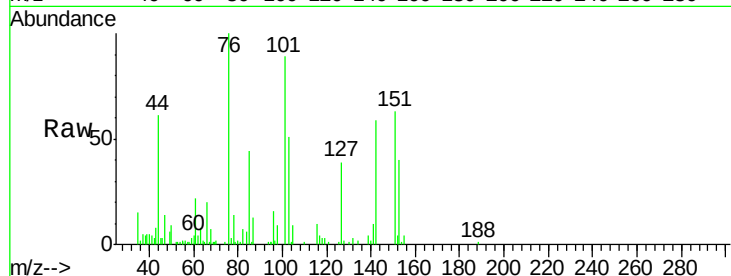
Tot Ion:101 Resp: 46453

Ion Ratio Lower Upper

101 100

85 49.2 41.9 62.9

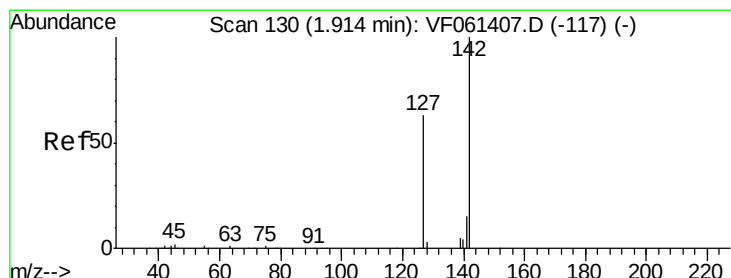
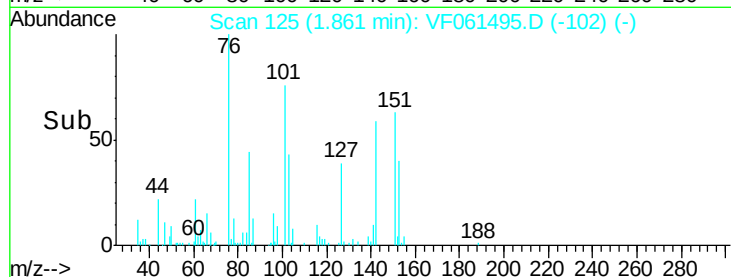
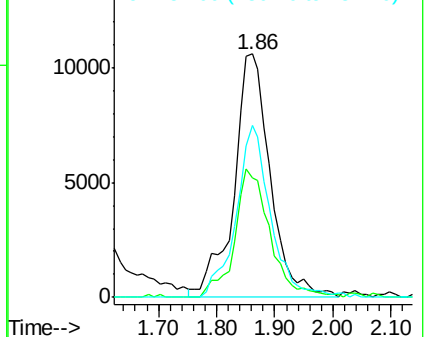
151 70.7 55.1 82.7



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: 14.810 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

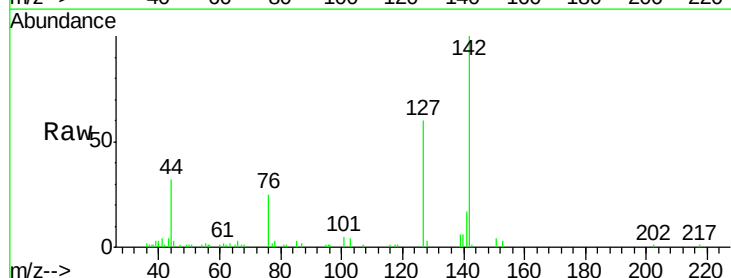
Tgt Ion:142 Resp: 57878

Ion Ratio Lower Upper

142 100

127 60.0 50.7 76.1

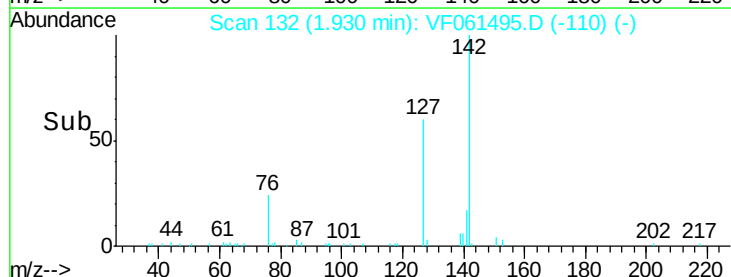
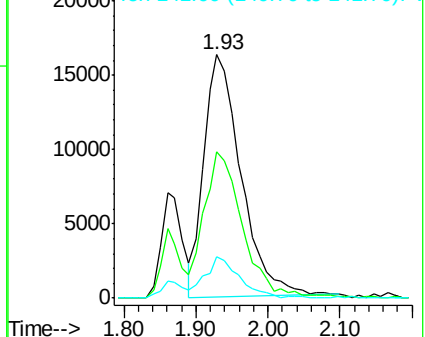
141 16.9 11.8 17.6

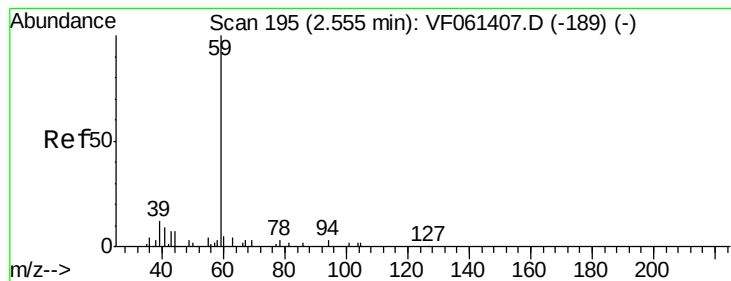


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 89.135 ug/l

RT: 2.60 min Scan# 200

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

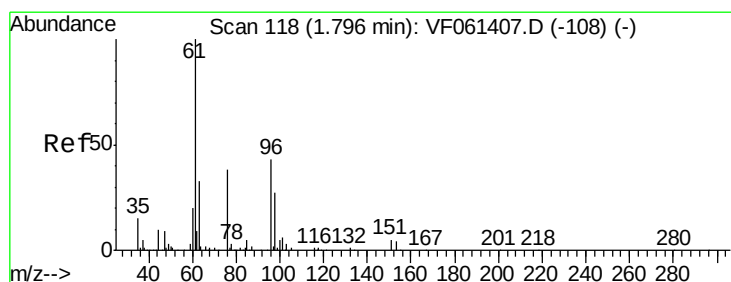
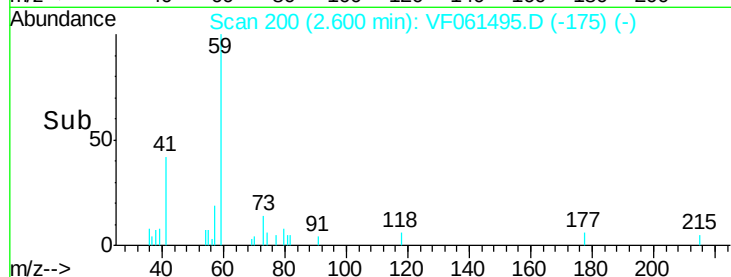
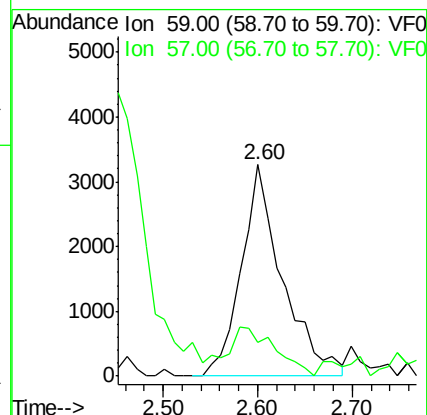
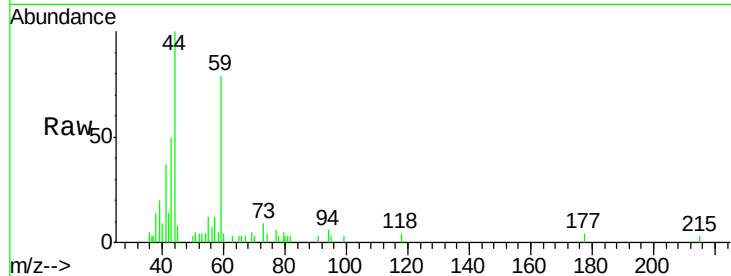
VF0124SBS01

Tot Ion: 59 Resp: 9809

Ion Ratio Lower Upper

59 100

57 15.7 11.9 17.9



#12

1,1-Dichloroethene

Concen: 18.966 ug/l

RT: 1.81 min Scan# 120

Delta R.T. 0.02 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

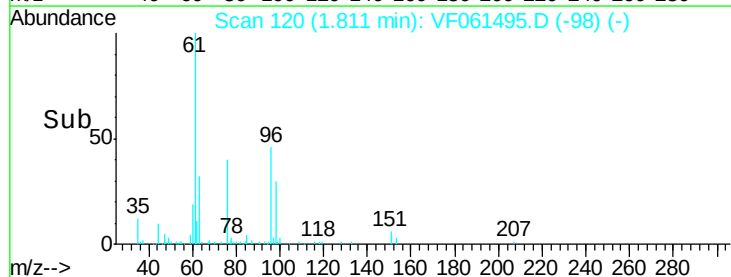
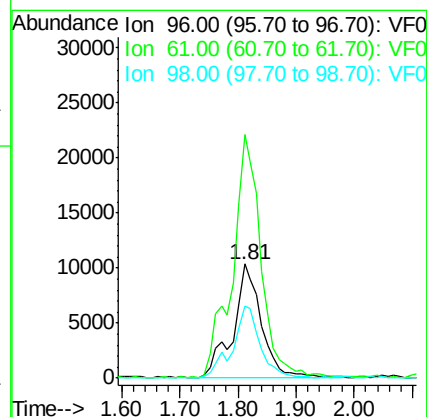
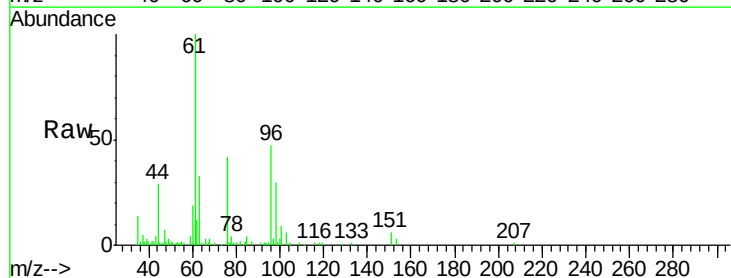
Tgt Ion: 96 Resp: 35520

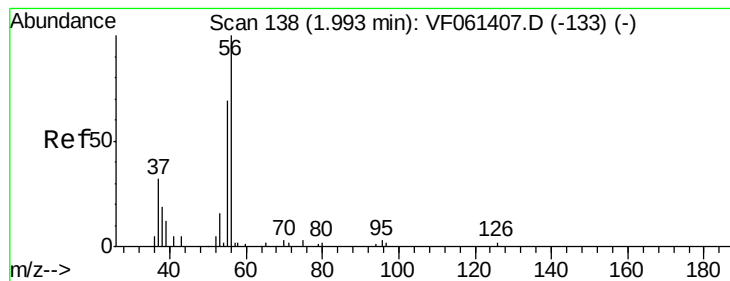
Ion Ratio Lower Upper

96 100

61 213.1 186.9 280.3

98 63.5 53.0 79.4





#13

Acrolein

Concen: 12.178 ug/l

RT: 2.15 min Scan# 154

Delta R.T. 0.15 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

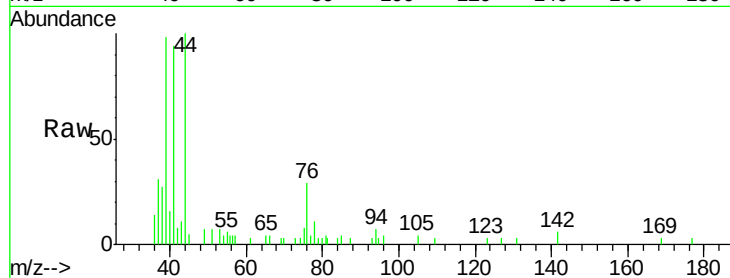
VF0124SBS01

Tot Ion: 56 Resp: 182

Ion Ratio Lower Upper

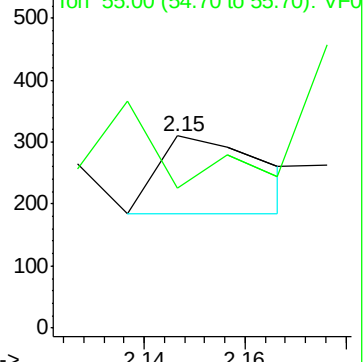
56 100

55 72.6 57.5 86.3

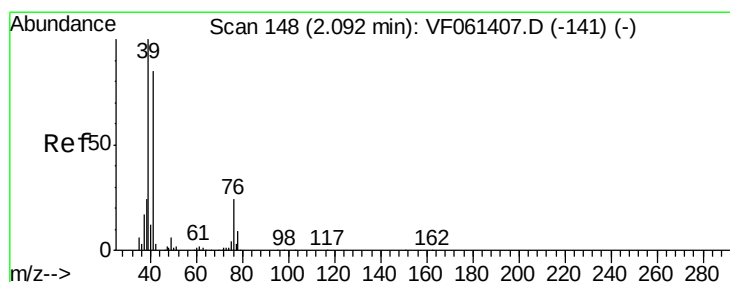
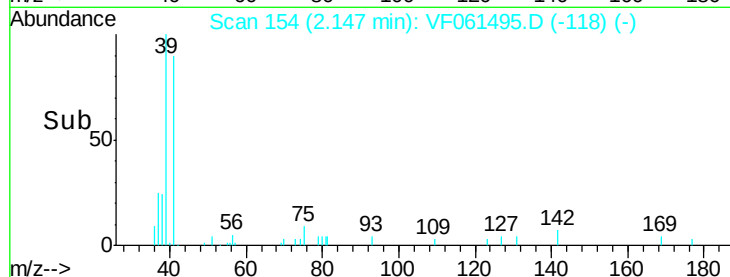


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#14

Allyl chloride

Concen: 22.591 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

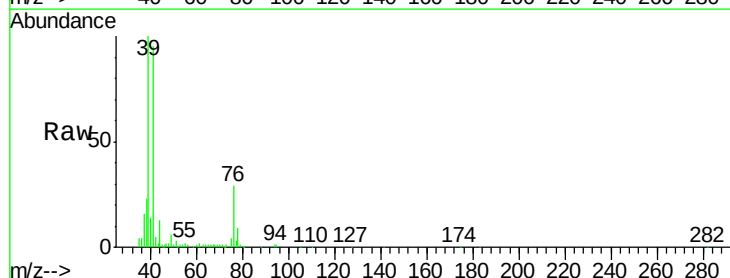
Tgt Ion: 41 Resp: 51748

Ion Ratio Lower Upper

41 100

39 105.8 94.6 141.8

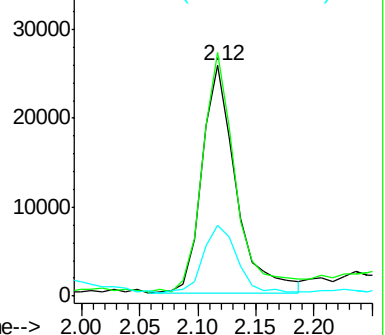
76 30.9 25.9 38.9



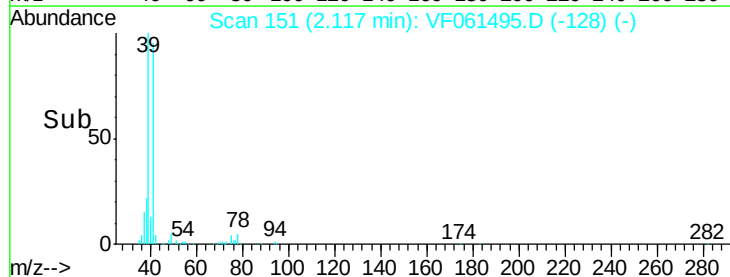
Abundance Ion 41.00 (40.70 to 41.70): VF0

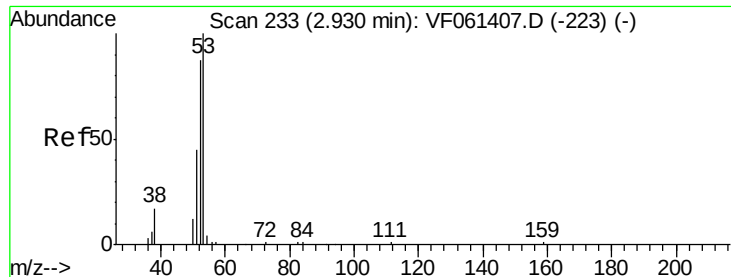
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->





#15

Acrylonitrile

Concen: 96.650 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

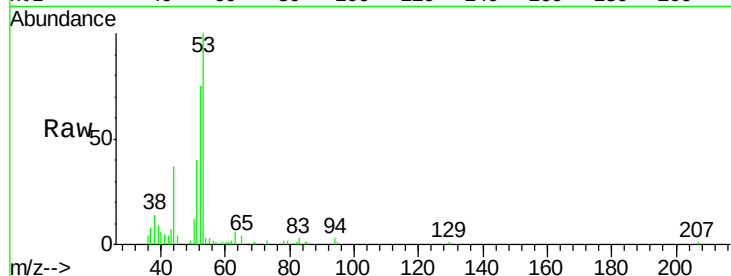
Tot Ion: 53 Resp: 27244

Ion Ratio Lower Upper

53 100

52 74.7 69.6 104.4

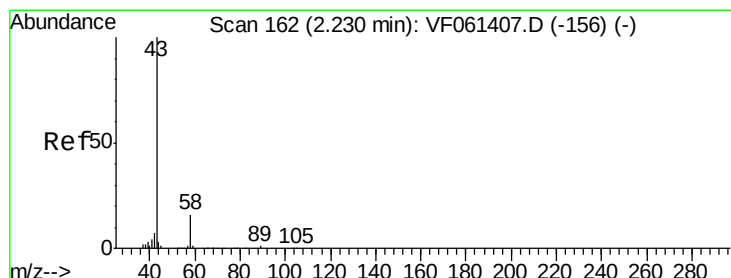
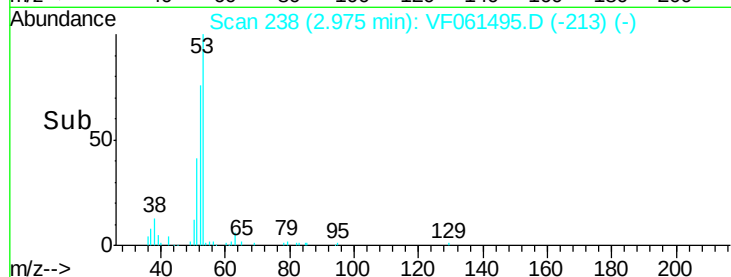
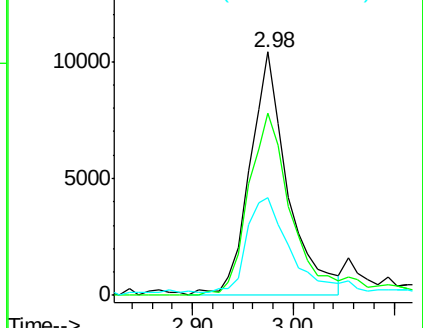
51 40.1 36.8 55.2



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: 103.688 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.04 min

Lab File: VF061495.D

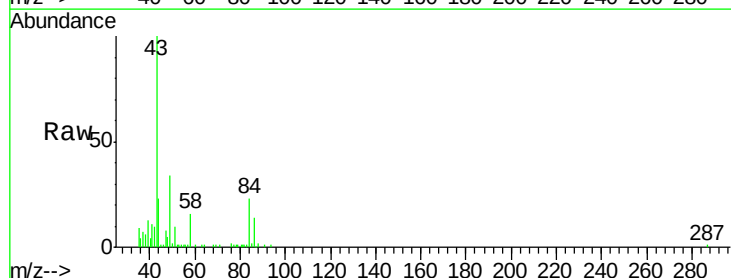
Acq: 24 Jan 2019 12:47

Tgt Ion: 43 Resp: 54079

Ion Ratio Lower Upper

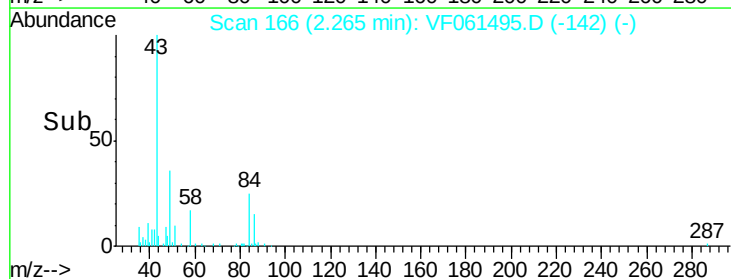
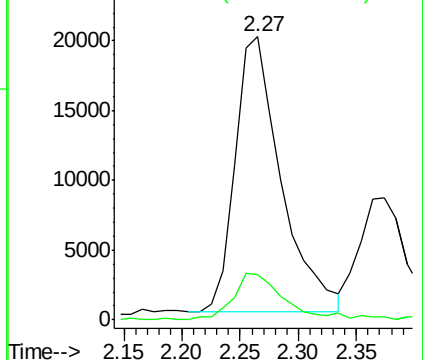
43 100

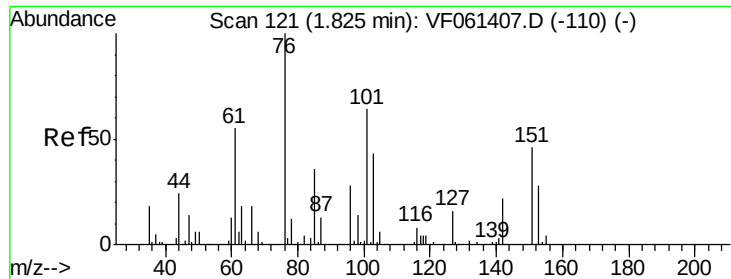
58 16.0 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

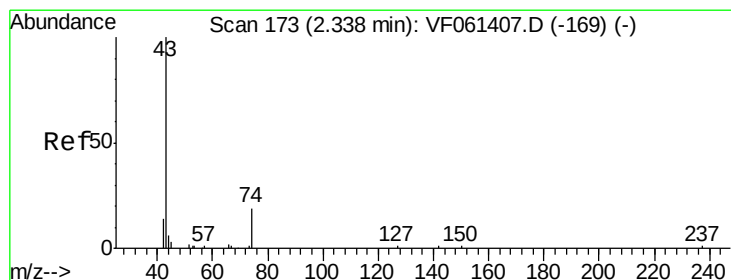
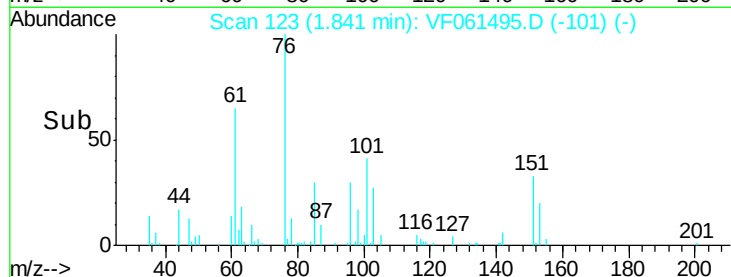
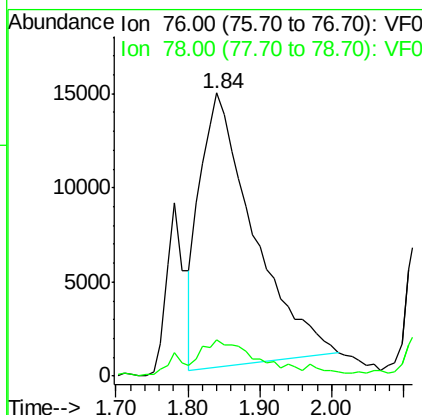
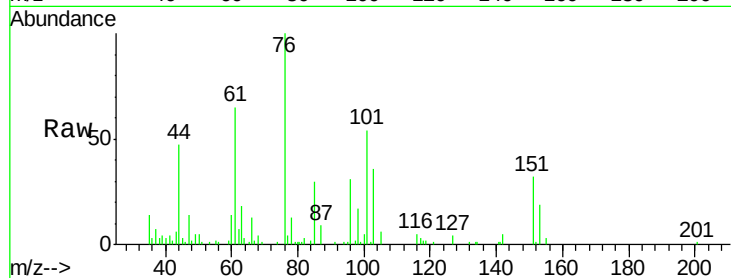




#17
Carbon Disulfide
Concen: 12.841 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.02 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

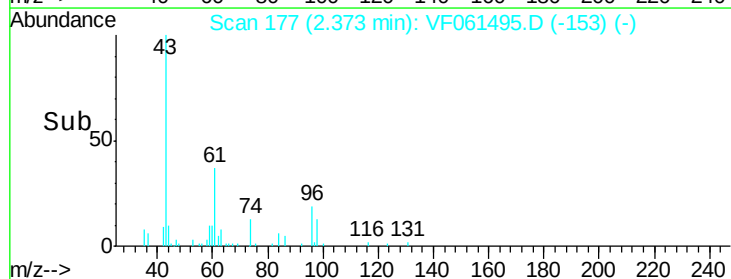
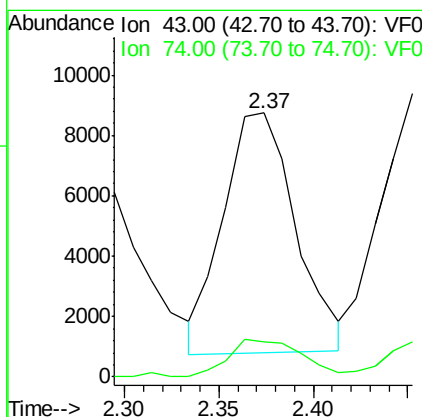
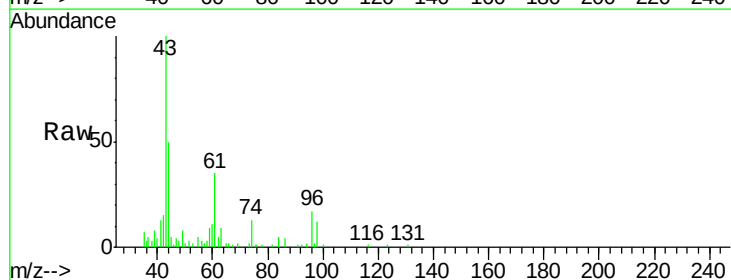
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

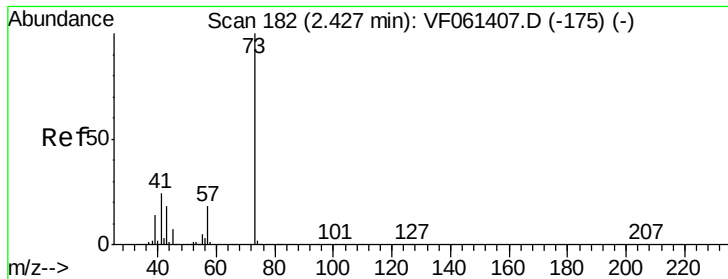
Tot Ion: 76 Resp: 74990
Ion Ratio Lower Upper
76 100
78 12.8 9.6 14.4



#18
Methyl Acetate
Concen: 20.425 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.04 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 43 Resp: 21126
Ion Ratio Lower Upper
43 100
74 13.1 13.4 20.0#

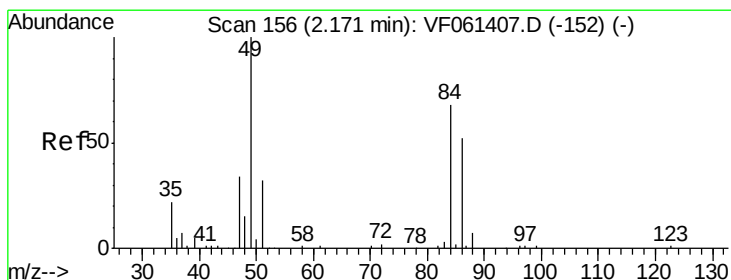
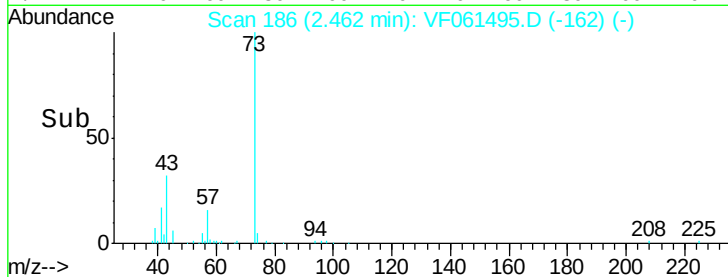
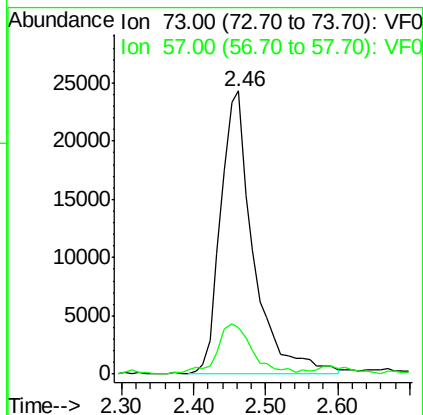
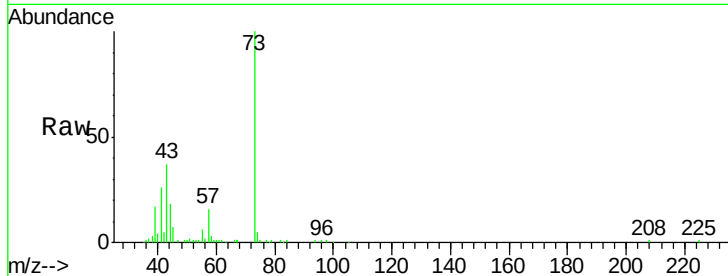




#19
Methyl tert-butyl Ether
Concen: 18.241 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.04 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

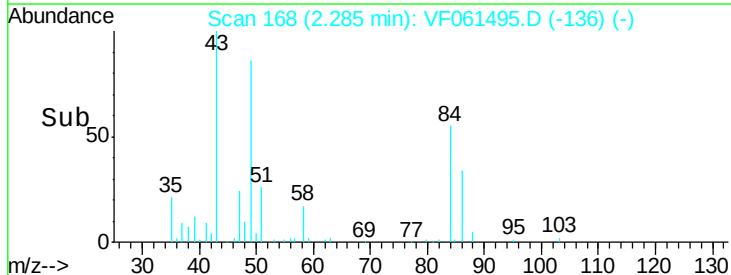
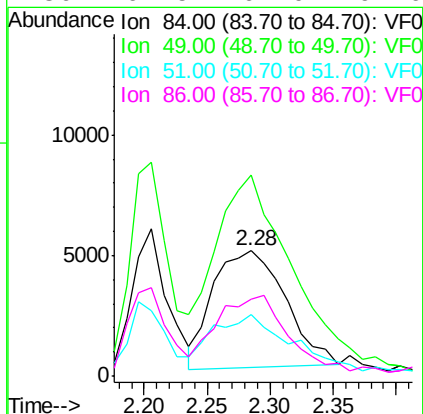
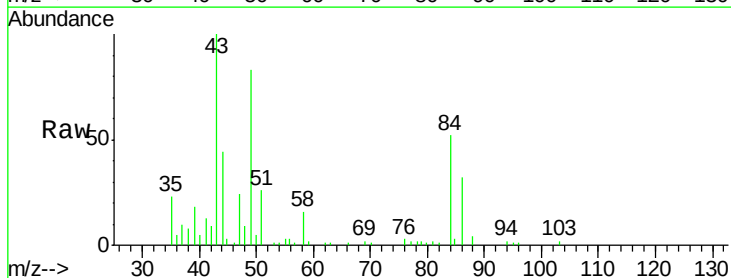
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

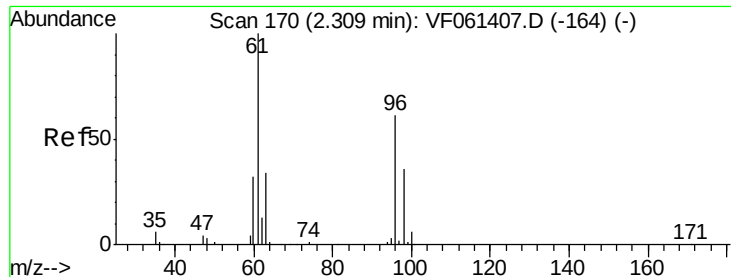
Tot Ion: 73 Resp: 76583
Ion Ratio Lower Upper
73 100
57 16.4 14.8 22.2



#20
Methylene Chloride
Concen: 9.489 ug/l
RT: 2.28 min Scan# 168
Delta R.T. 0.11 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 84 Resp: 19320
Ion Ratio Lower Upper
84 100
49 160.4 120.0 180.0
51 49.5 38.6 58.0
86 61.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 16.991 ug/l

RT: 2.33 min Scan# 173

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBSD01

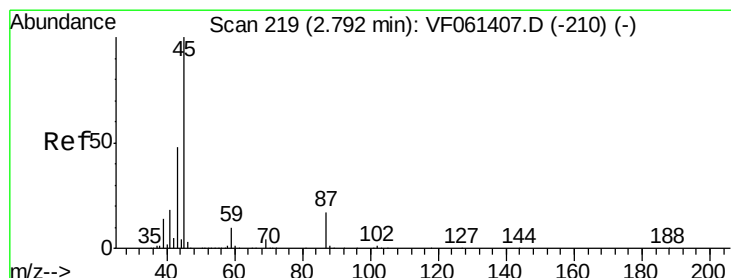
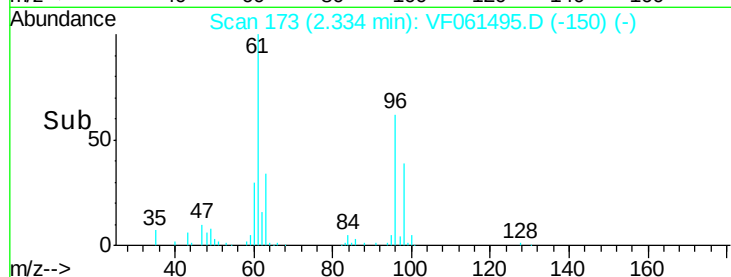
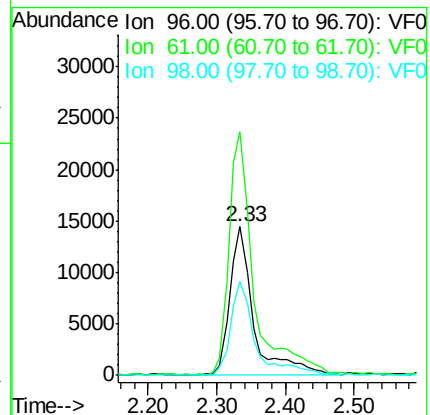
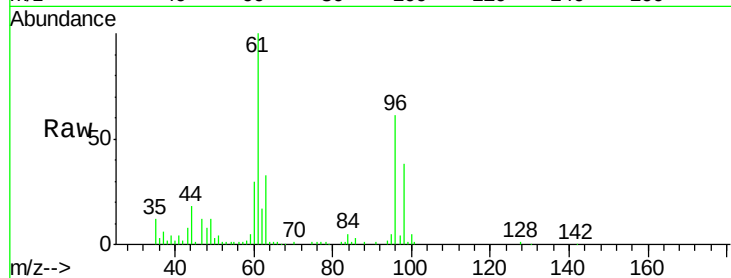
Tot Ion: 96 Resp: 35012

Ion Ratio Lower Upper

96 100

61 163.6 131.8 197.8

98 62.8 47.4 71.0



#22

Diisopropyl ether

Concen: 18.807 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Tgt Ion: 45 Resp: 125344

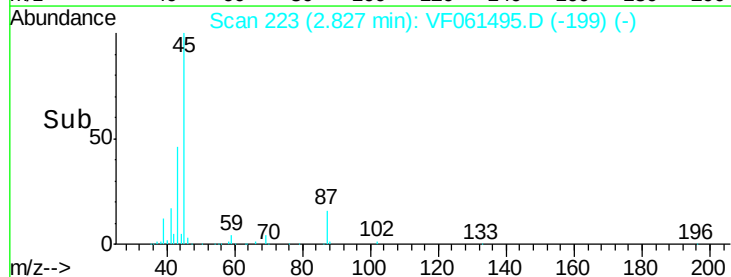
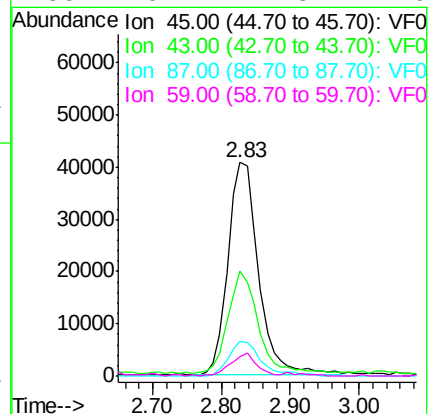
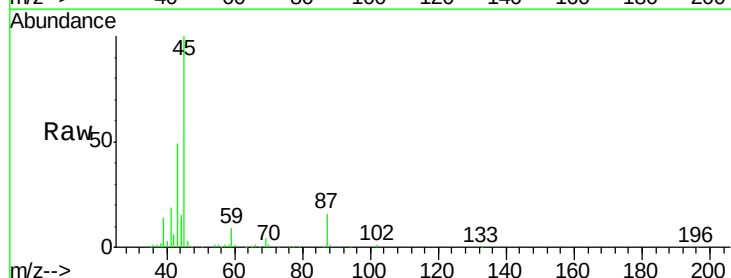
Ion Ratio Lower Upper

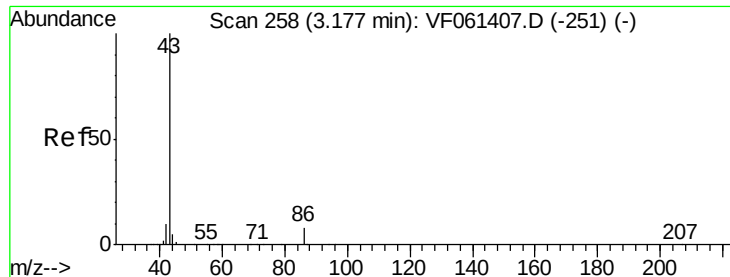
45 100

43 49.2 39.0 58.6

87 16.2 13.9 20.9

59 9.1 7.8 11.6





#23

Vinyl Acetate

Concen: 108.898 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

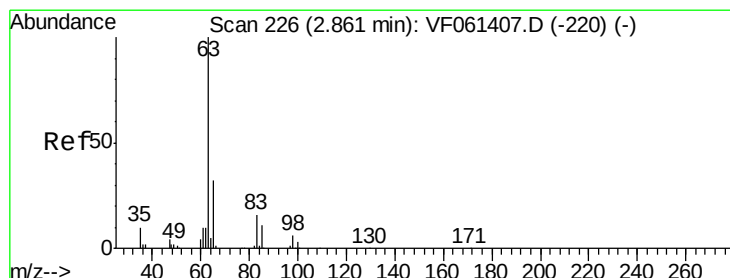
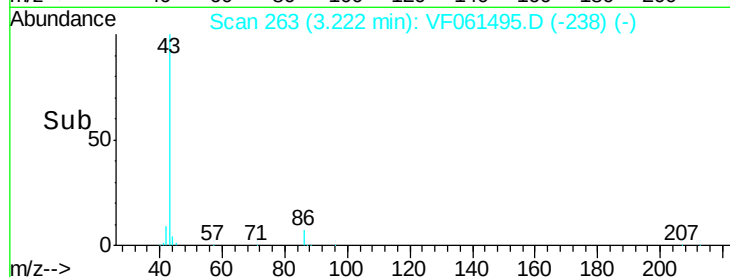
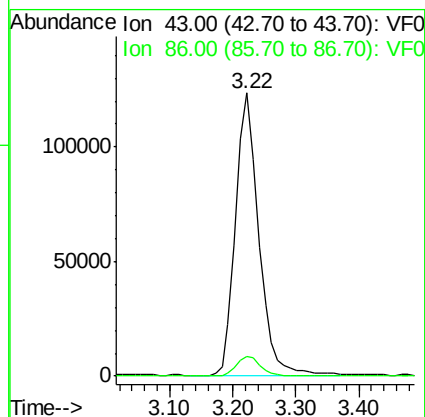
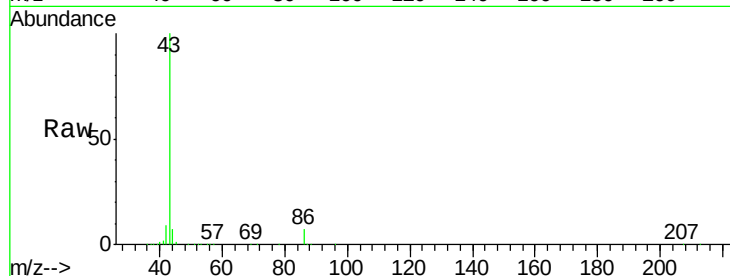
VF0124SBS01

Tot Ion: 43 Resp: 313886

Ion Ratio Lower Upper

43 100

86 7.1 6.2 9.4



#24

1,1-Dichloroethane

Concen: 17.053 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

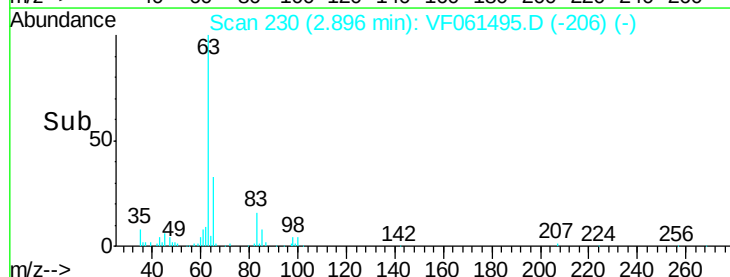
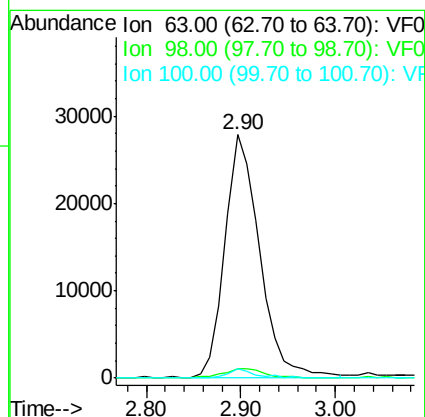
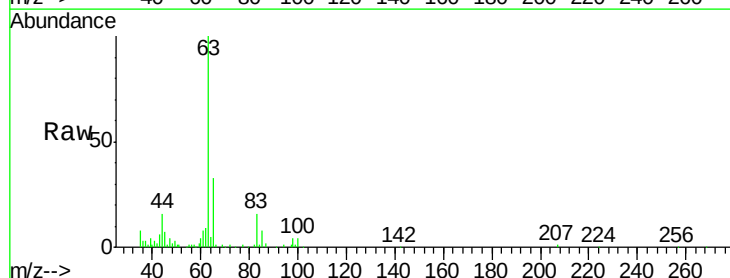
Tgt Ion: 63 Resp: 71334

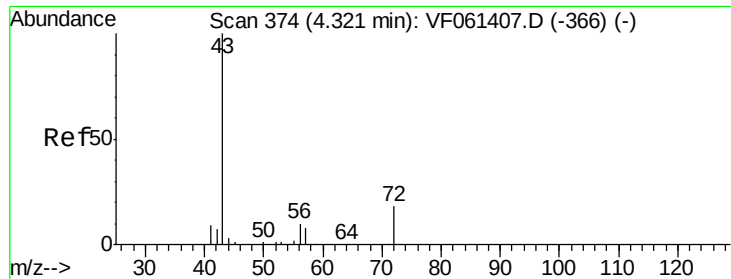
Ion Ratio Lower Upper

63 100

98 3.9 2.9 8.8

100 3.7 1.6 4.8





#25

2-Butanone

Concen: 118.574 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.06 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

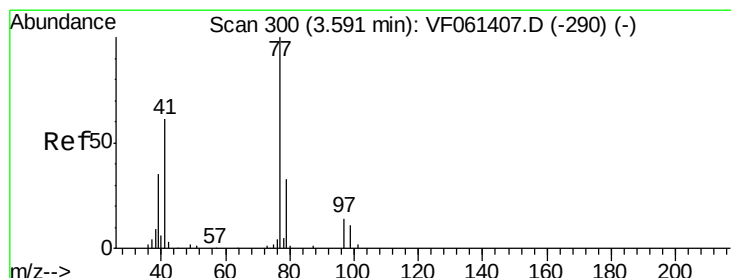
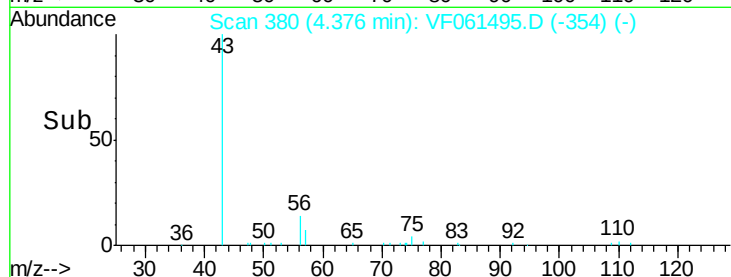
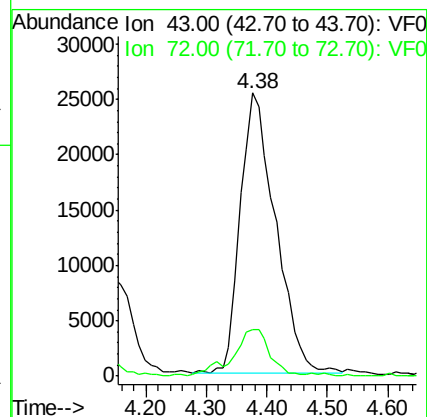
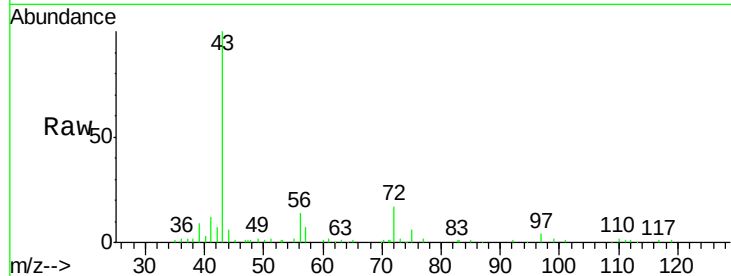
VF0124SBS01

Tot Ion: 43 Resp: 102842

Ion Ratio Lower Upper

43 100

72 16.6 15.8 23.6



#26

2,2-Dichloropropane

Concen: 16.712 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.05 min

Lab File: VF061495.D

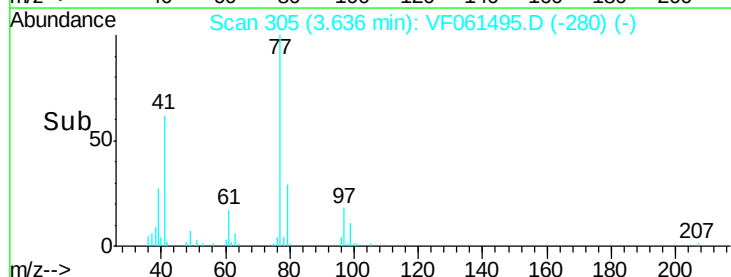
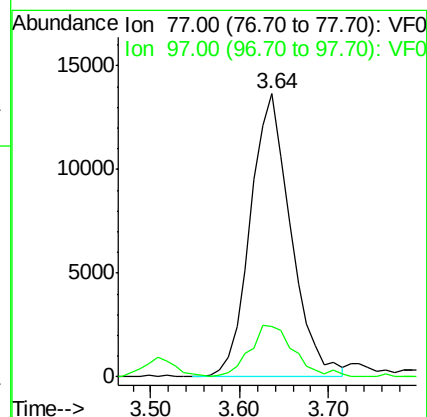
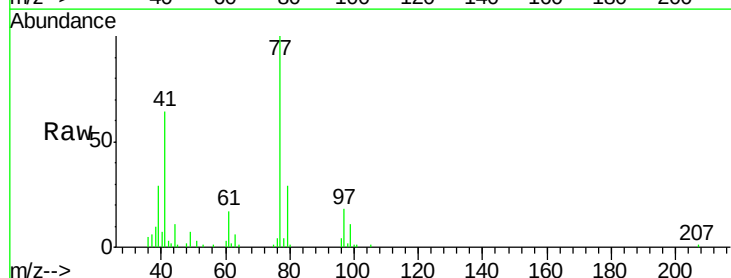
Acq: 24 Jan 2019 12:47

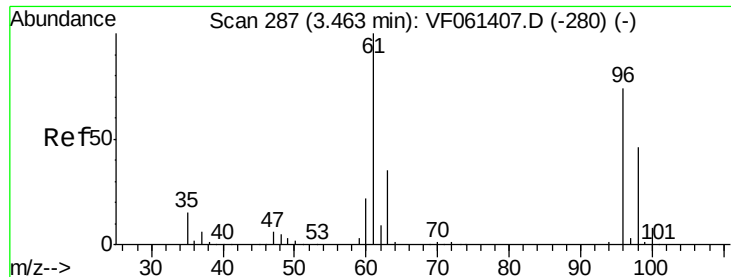
Tgt Ion: 77 Resp: 42949

Ion Ratio Lower Upper

77 100

97 17.8 8.5 25.5



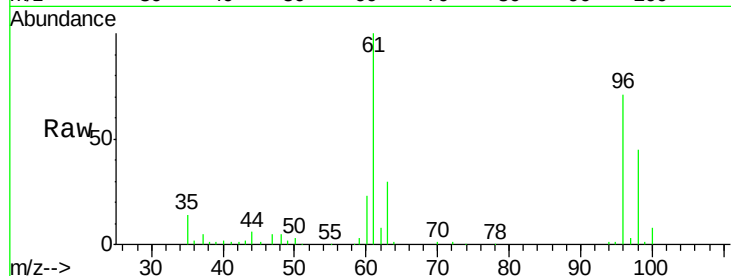


#27

cis-1,2-Dichloroethene
Concen: 19.520 ug/l
RT: 3.51 min Scan# 292
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		59375		
61	140.8	0.0	270.2		
98	62.9	0.0	124.0		

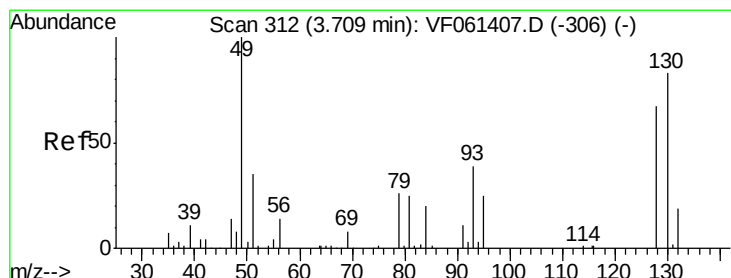
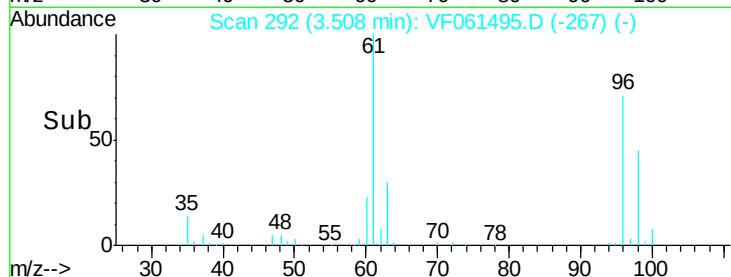
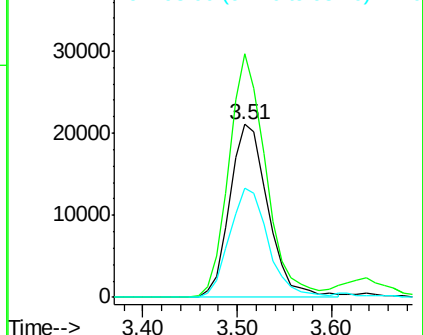


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

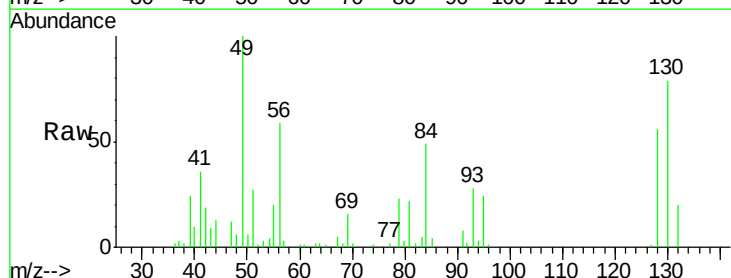
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 19.887 ug/l
RT: 3.75 min Scan# 317
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		37393		
129	0.0	0.0	0.0		
130	79.2	65.4	98.2		

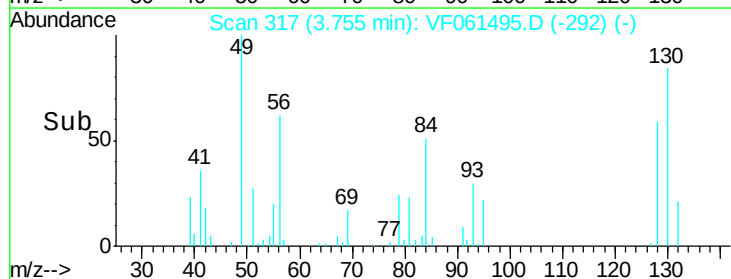
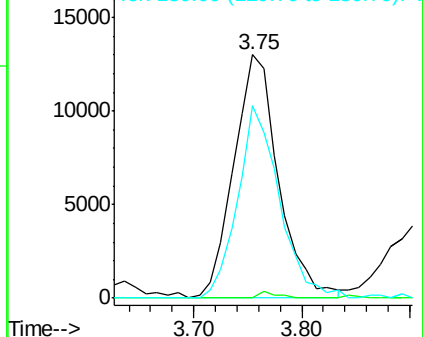


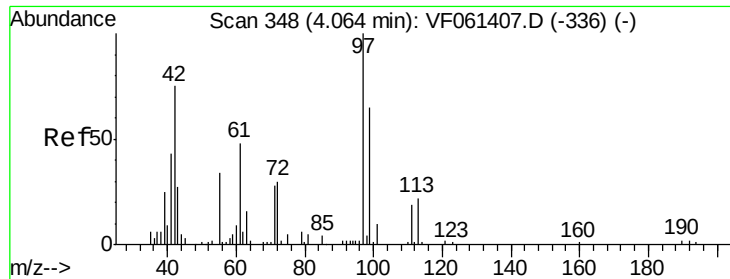
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 100.676 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.06 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

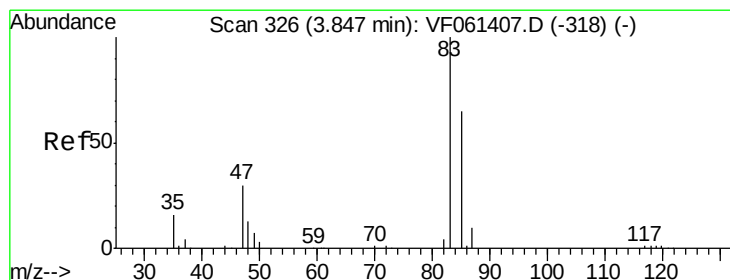
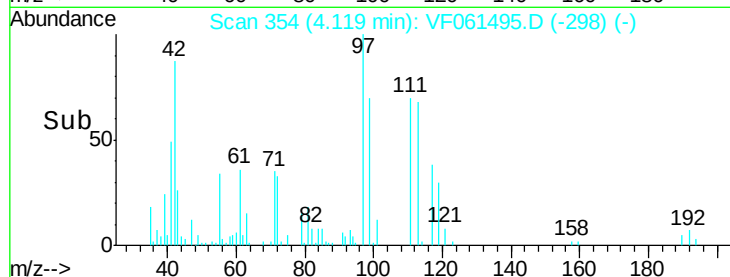
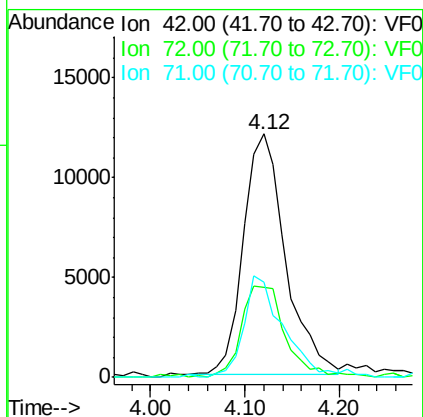
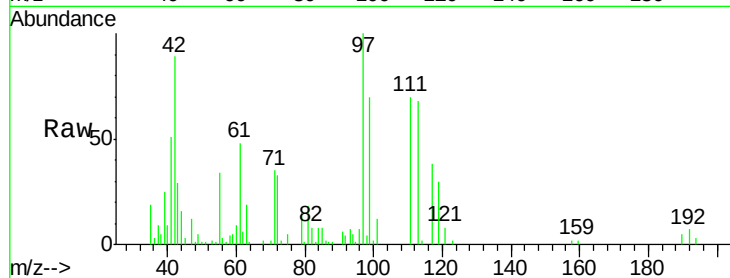
Tot Ion: 42 Resp: 37599

Ion Ratio Lower Upper

42 100

72 40.0 28.9 43.3

71 39.9 29.6 44.4



#30

Chloroform

Concen: 19.331 ug/l

RT: 3.90 min Scan# 332

Delta R.T. 0.06 min

Lab File: VF061495.D

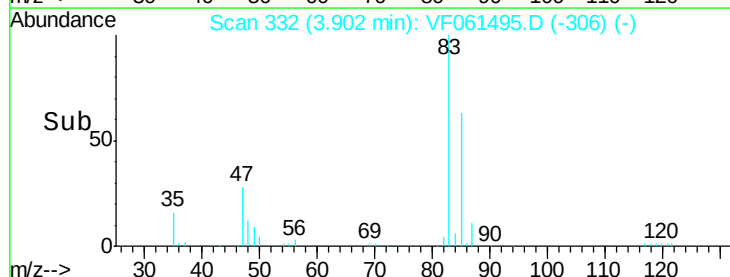
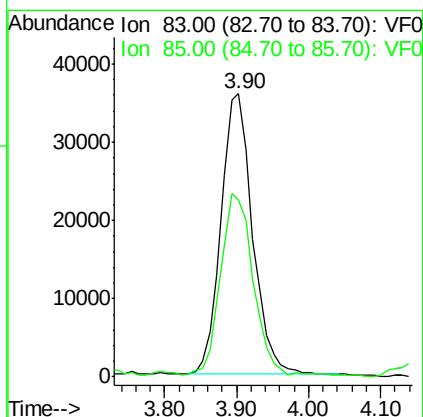
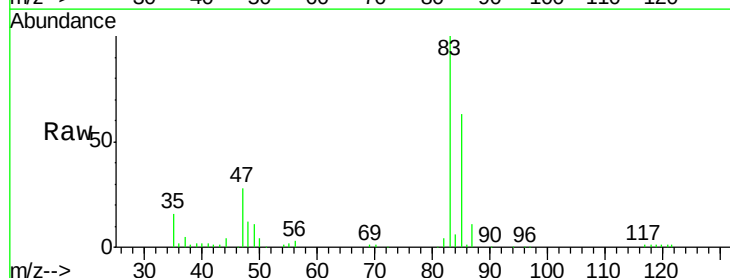
Acq: 24 Jan 2019 12:47

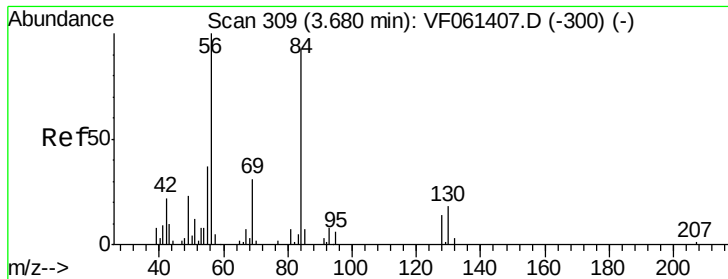
Tgt Ion: 83 Resp: 109131

Ion Ratio Lower Upper

83 100

85 62.6 52.7 79.1





#31

Cvclohexane

Concen: 10.059 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.06 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

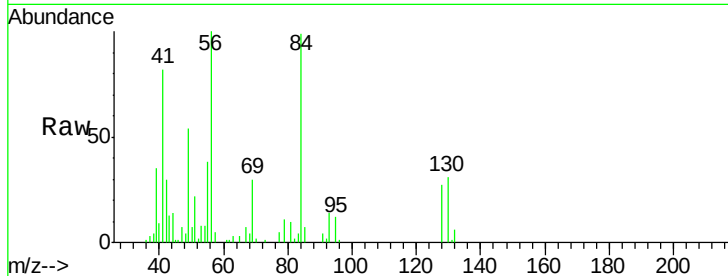
Tot Ion: 56 Resp: 42032

Ion Ratio Lower Upper

56 100

69 29.8 24.6 36.8

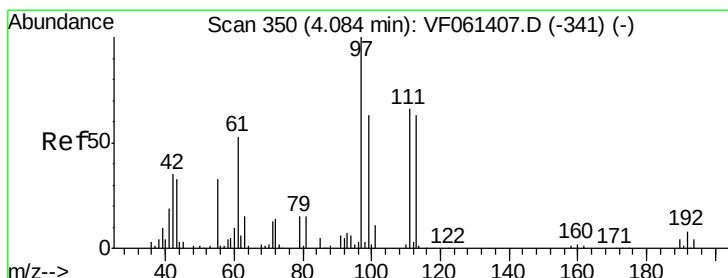
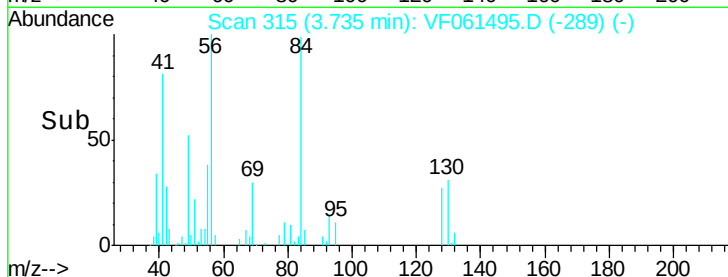
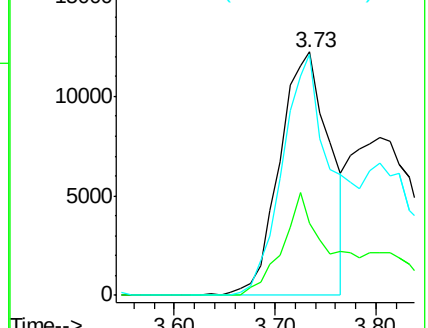
84 98.8 74.2 111.2



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: 15.674 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.06 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

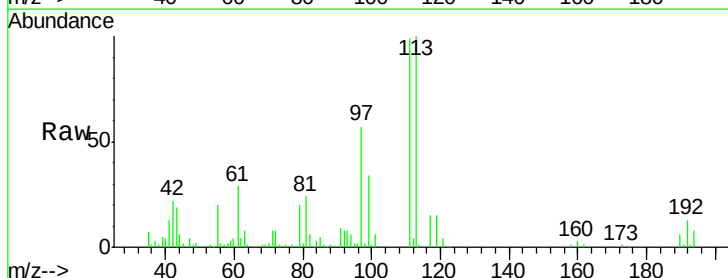
Tgt Ion: 97 Resp: 64878

Ion Ratio Lower Upper

97 100

99 60.4 50.1 75.1

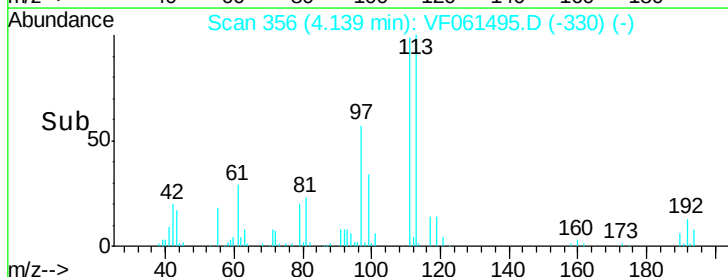
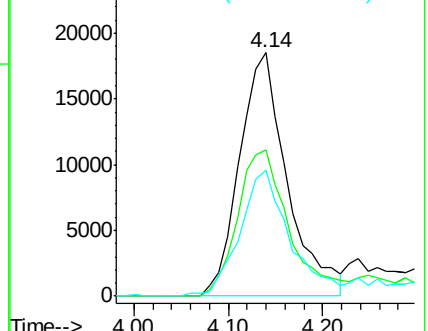
61 51.5 43.1 64.7

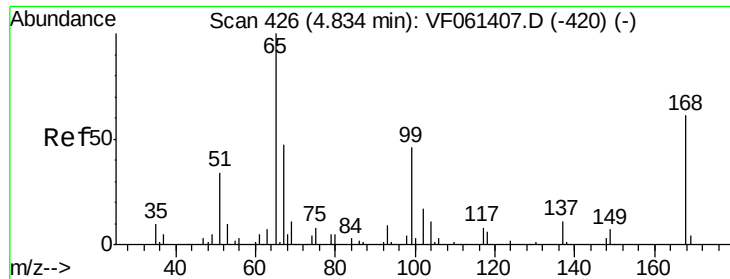


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 42.061 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

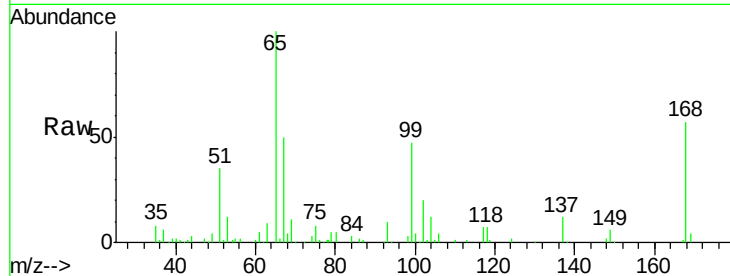
VF0124SBS01

Tot Ion: 65 Resp: 109352

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.8



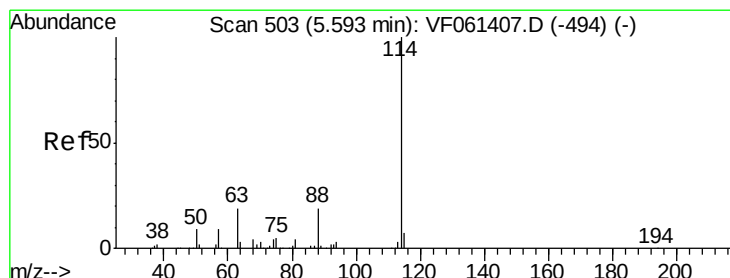
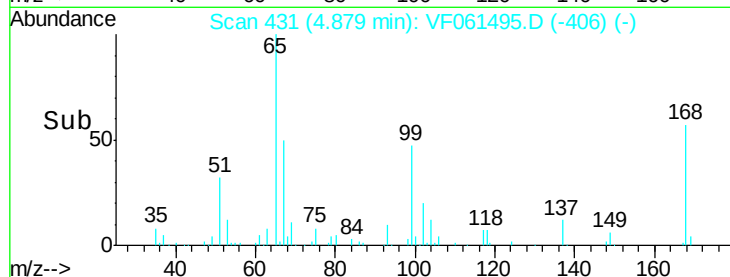
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.88

4.80 4.90 5.00 5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

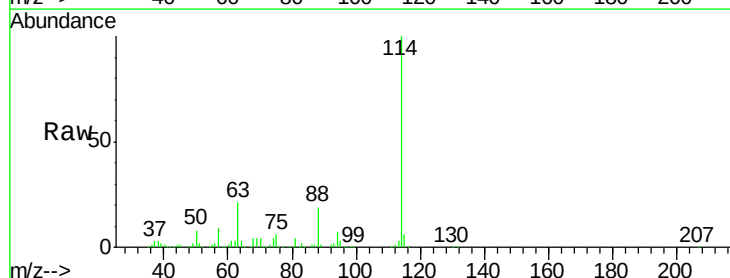
Tgt Ion: 114 Resp: 381091

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

88 18.6 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

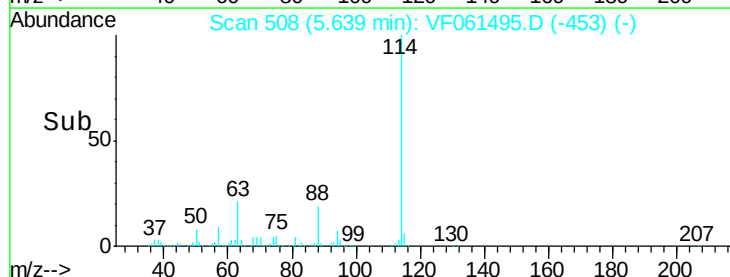
Ion 63.00 (62.70 to 63.70): VF0

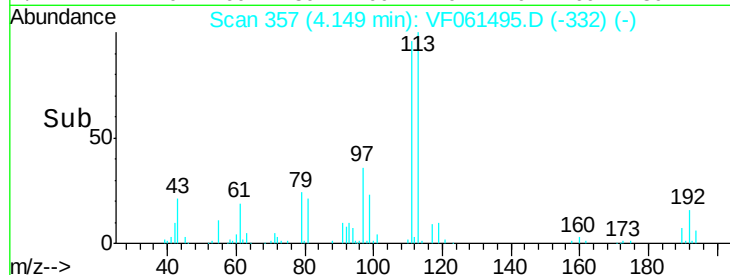
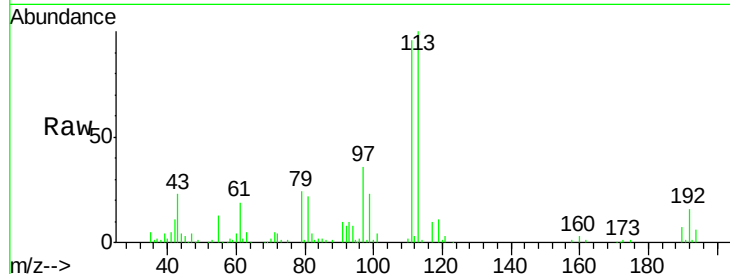
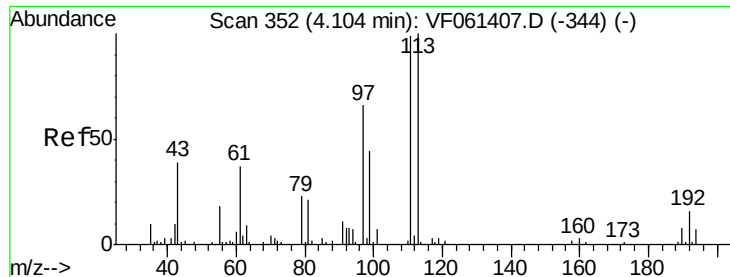
Ion 88.00 (87.70 to 88.70): VF0

5.64

5.60 5.80

Time-->

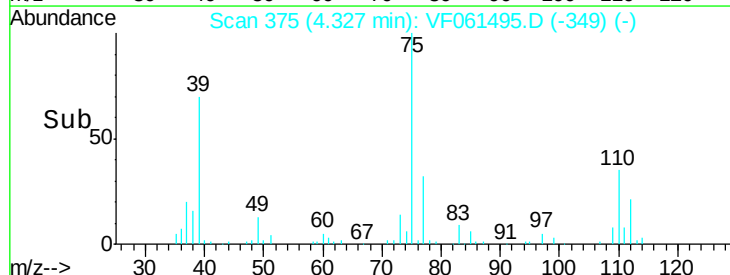
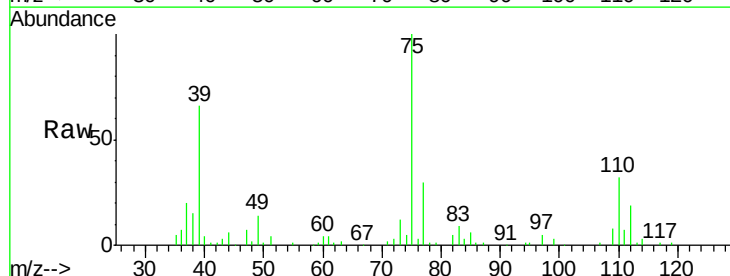
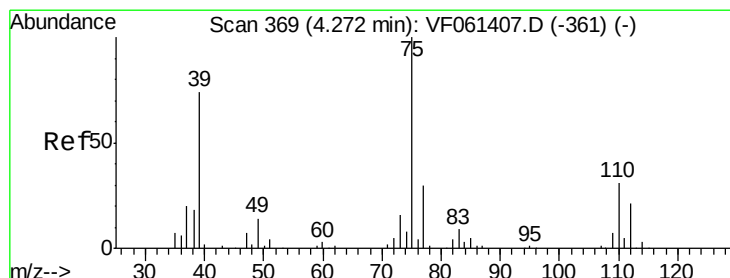
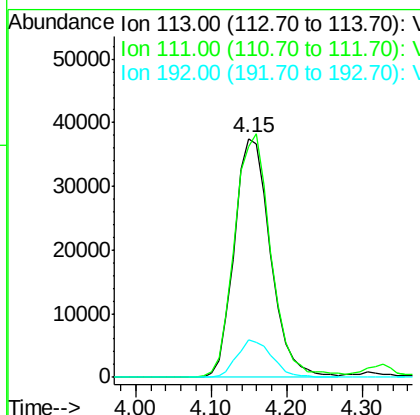




#35
Dibromofluoromethane
Concen: 41.422 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

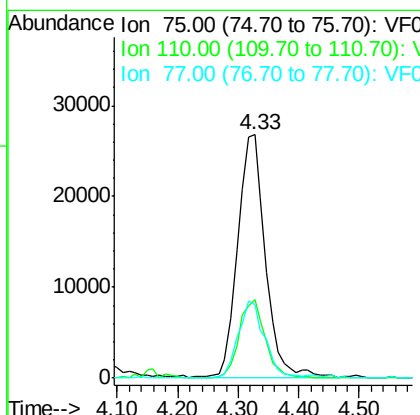
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

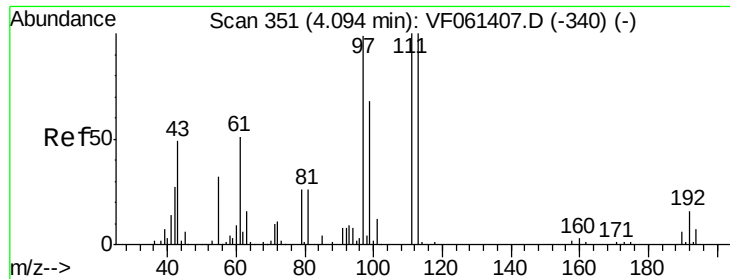
Tot Ion:113 Resp: 124561
Ion Ratio Lower Upper
113 100
111 96.5 79.4 119.0
192 16.5 12.4 18.6



#36
1,1-Dichloropropene
Concen: 19.394 ug/l
RT: 4.33 min Scan# 375
Delta R.T. 0.06 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 75 Resp: 85692
Ion Ratio Lower Upper
75 100
110 32.1 15.8 47.3
77 30.0 24.0 36.0

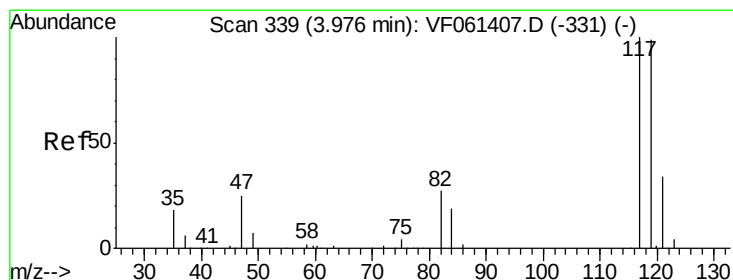
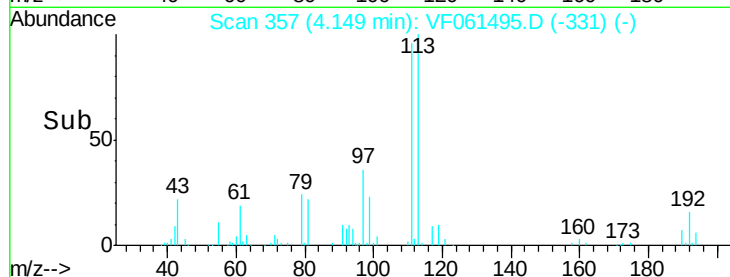
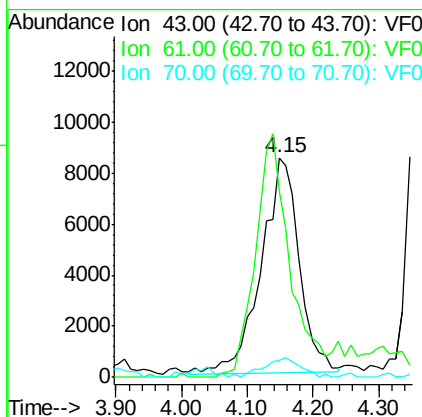
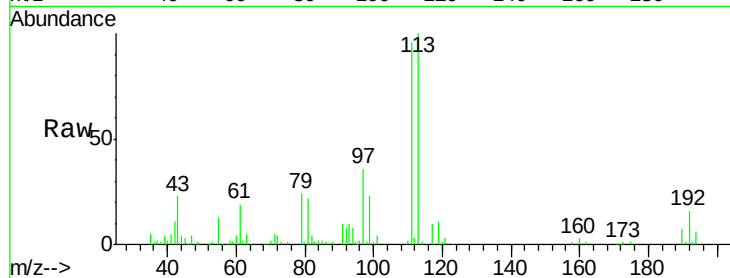




#37
Ethyl Acetate
Concen: 19.233 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.06 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

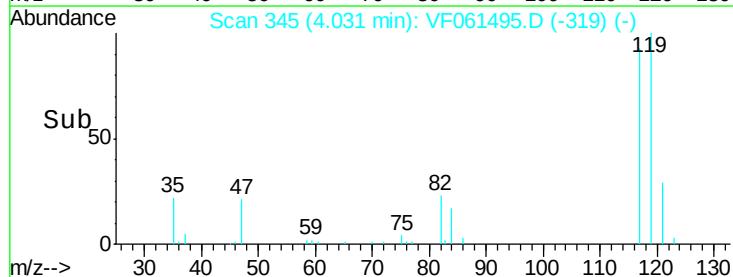
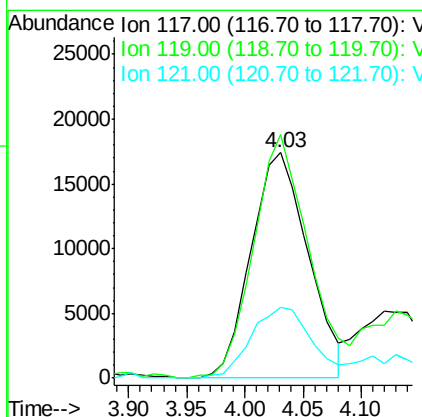
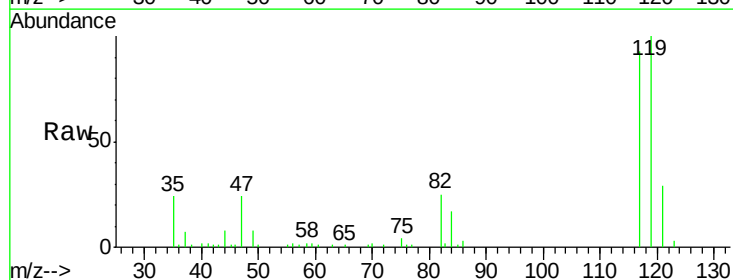
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

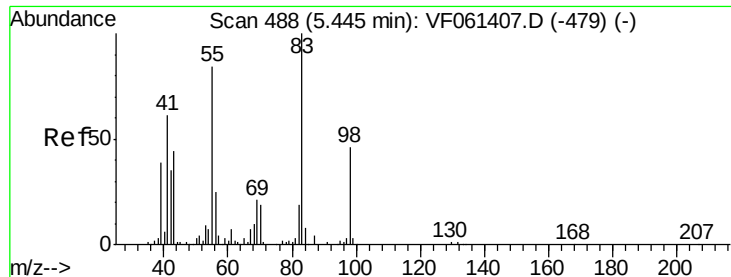
Tot Ion: 43 Resp: 33971
Ion Ratio Lower Upper
43 100
61 84.6 81.7 122.5
70 7.6 6.2 9.2



#38
Carbon Tetrachloride
Concen: 15.315 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.06 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 117 Resp: 59159
Ion Ratio Lower Upper
117 100
119 108.0 79.0 118.6
121 31.3 27.0 40.6

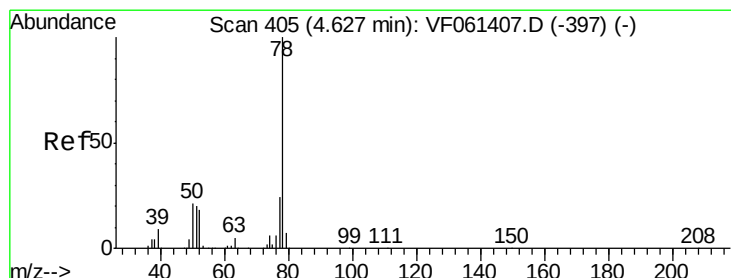
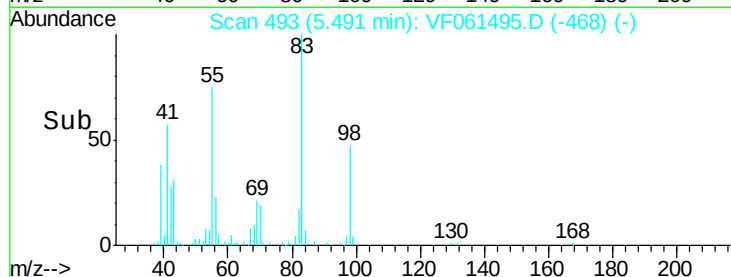
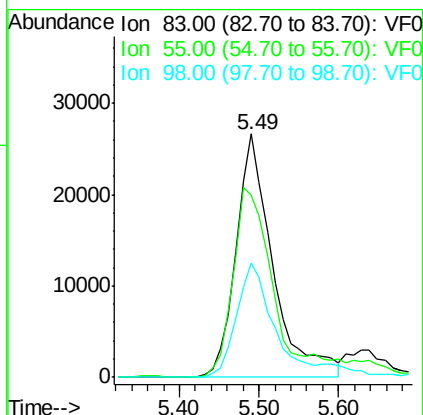
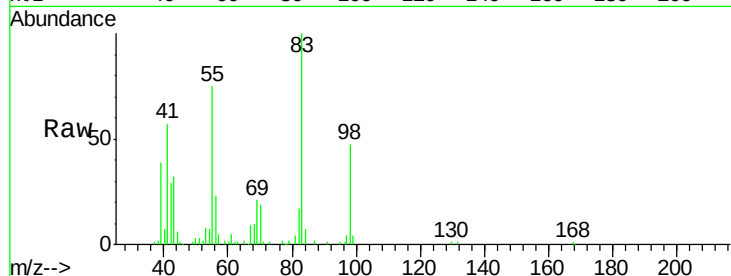




#39
Methylvlcyclohexane
Concen: 17.897 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

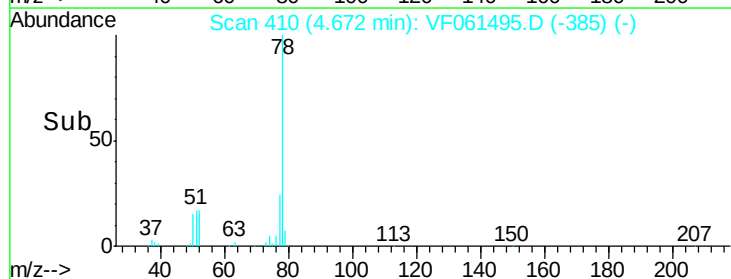
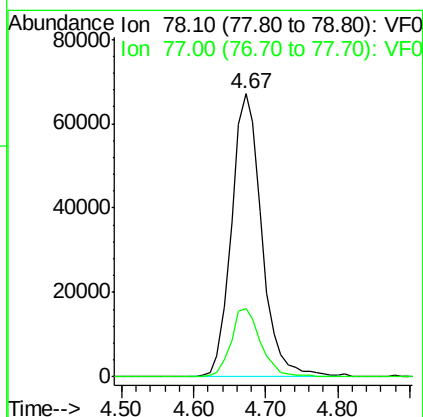
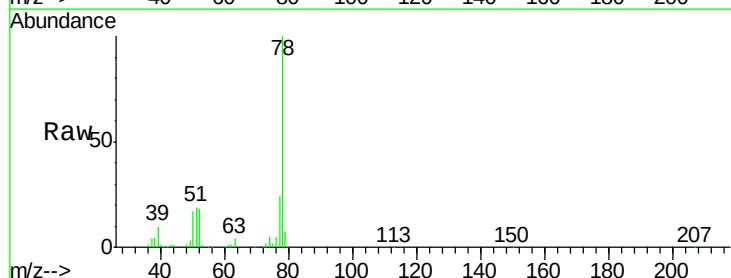
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

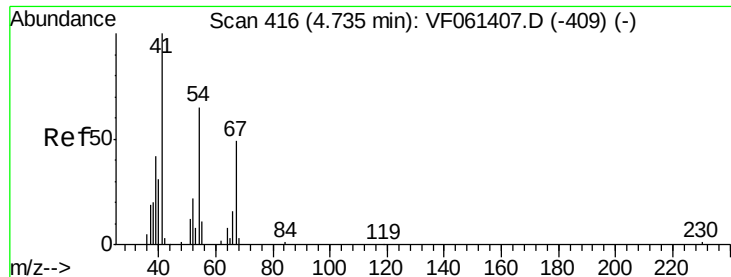
Tot Ion: 83 Resp: 85697
Ion Ratio Lower Upper
83 100
55 74.9 67.4 101.2
98 46.9 36.7 55.1



#40
Benzene
Concen: 19.946 ug/l
RT: 4.67 min Scan# 410
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 78 Resp: 196107
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

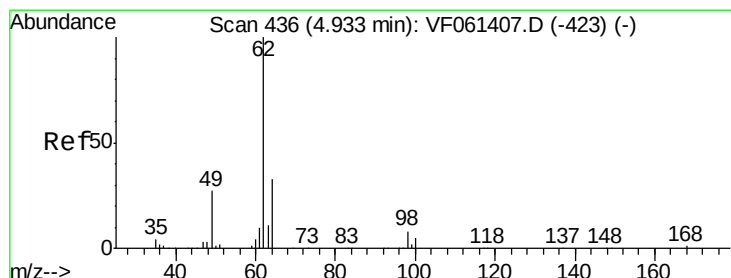
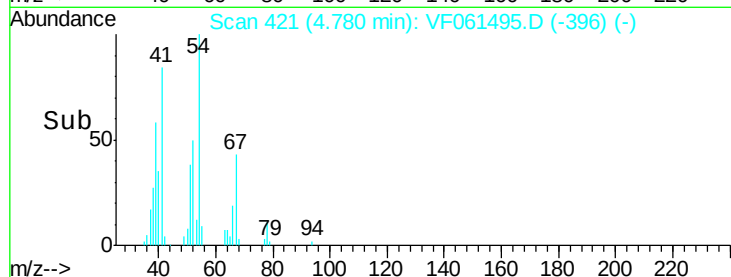
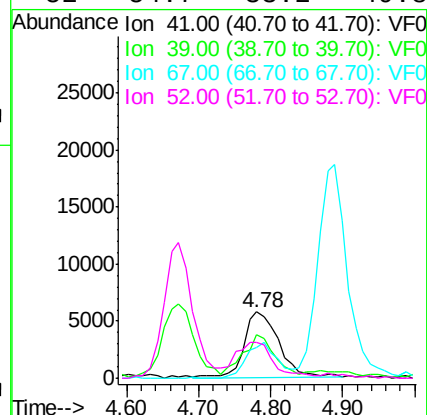
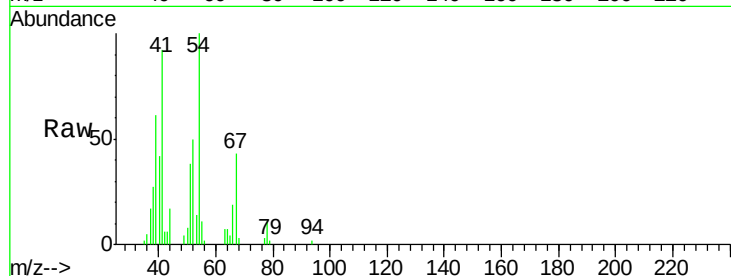




#41
Methacrylonitrile
Concen: 20.477 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

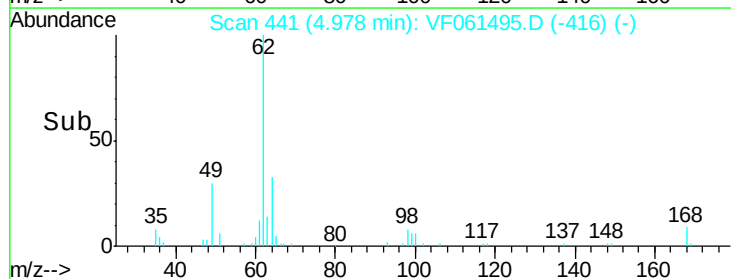
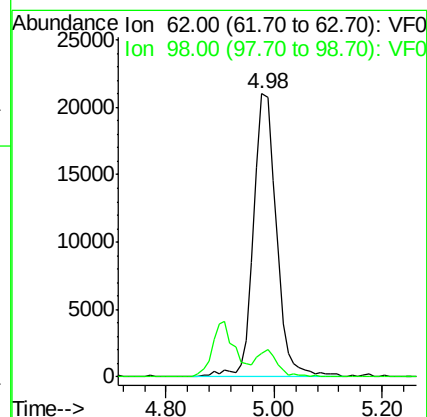
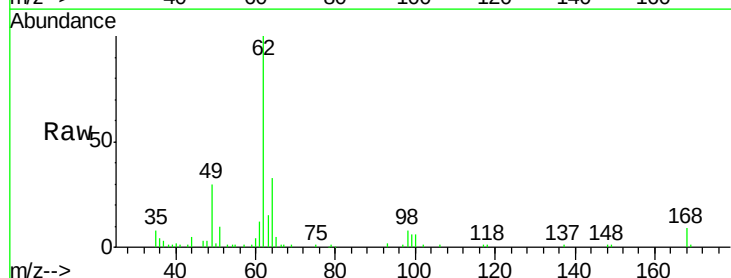
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBSD01

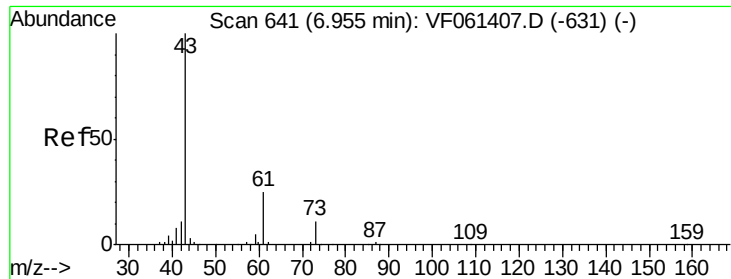
Tot Ion:	41	Resp:	19245
Ion	Ratio	Lower	Upper
41	100		
39	66.1	43.1	64.7#
67	47.1	38.8	58.2
52	54.7	33.2	49.8#



#42
1,2-Dichloroethane
Concen: 17.738 ug/l
RT: 4.98 min Scan# 441
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion:	62	Resp:	62148
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.912 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

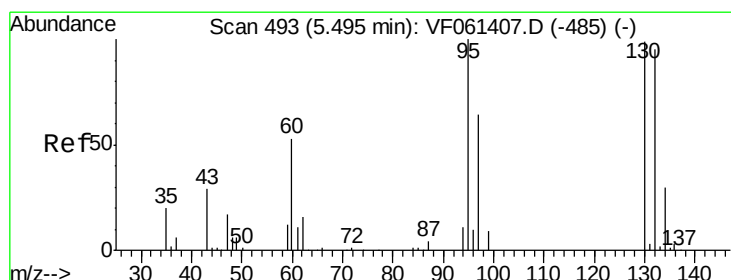
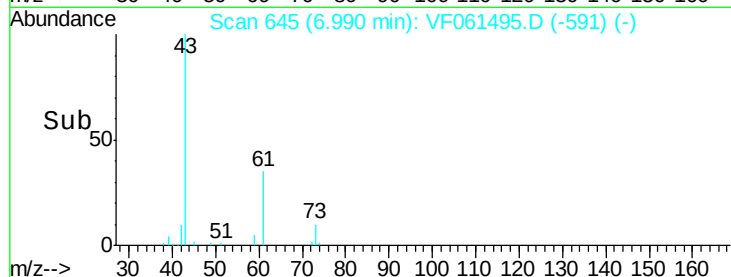
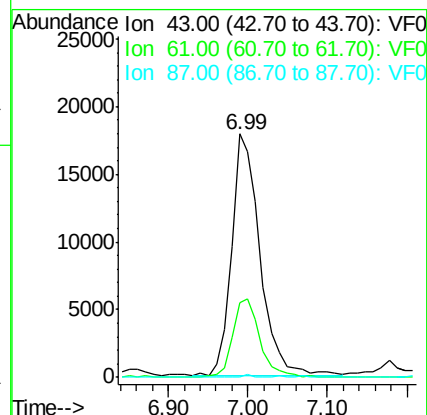
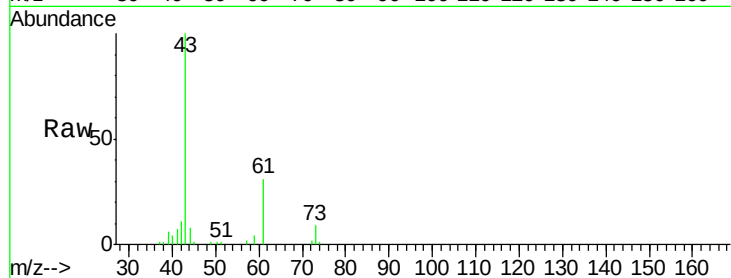
Tot Ion: 43 Resp: 44141

Ion Ratio Lower Upper

43 100

61 30.8 20.3 30.5#

87 0.0 0.5 0.7#



#44

Trichloroethene

Concen: 19.284 ug/l

RT: 5.54 min Scan# 498

Delta R.T. 0.05 min

Lab File: VF061495.D

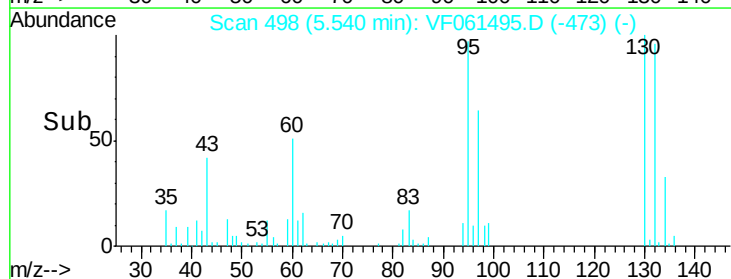
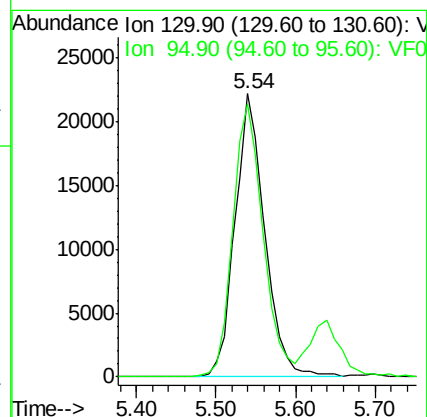
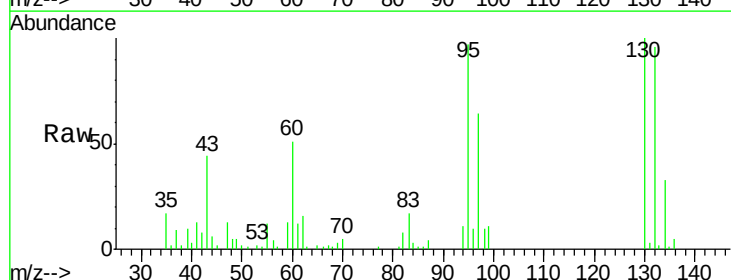
Acq: 24 Jan 2019 12:47

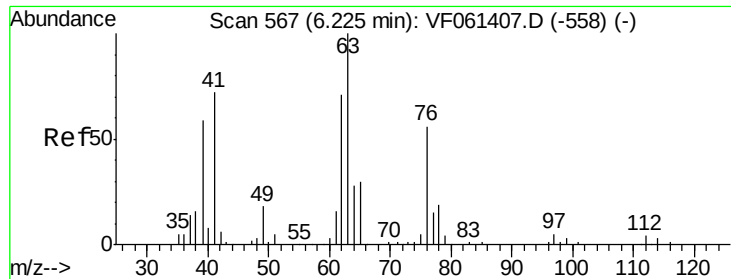
Tgt Ion:130 Resp: 58164

Ion Ratio Lower Upper

130 100

95 96.6 0.0 202.8

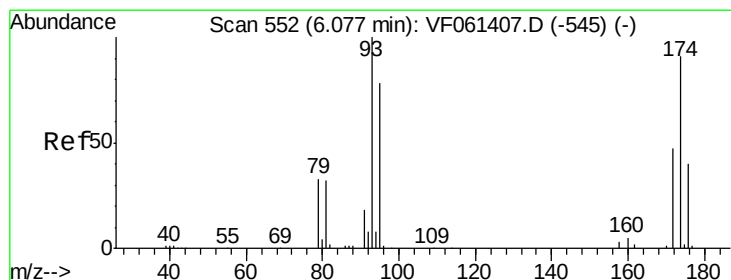
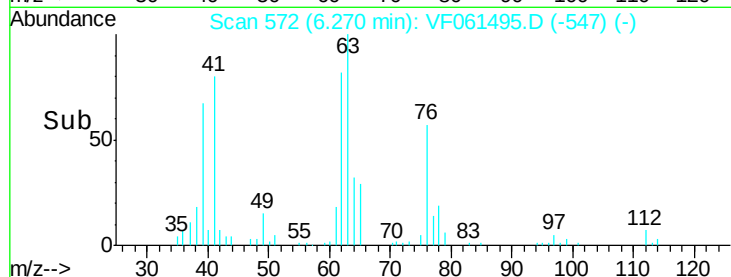
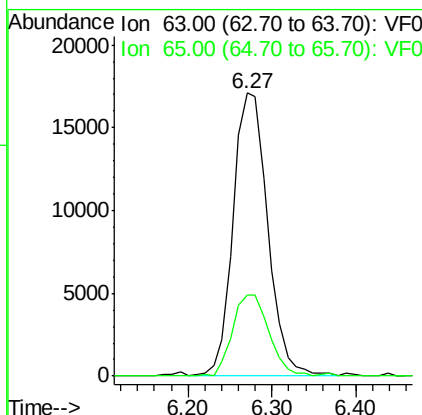
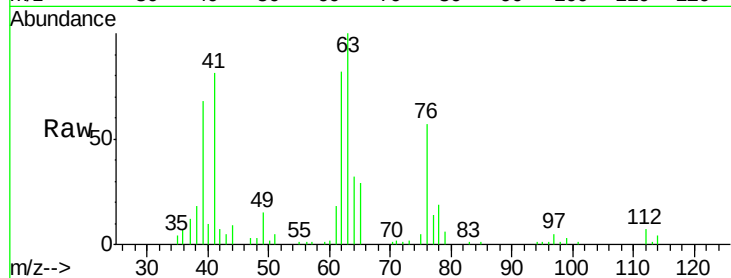




#45
 1,2-Dichloropropane
 Concen: 19.012 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. 0.05 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

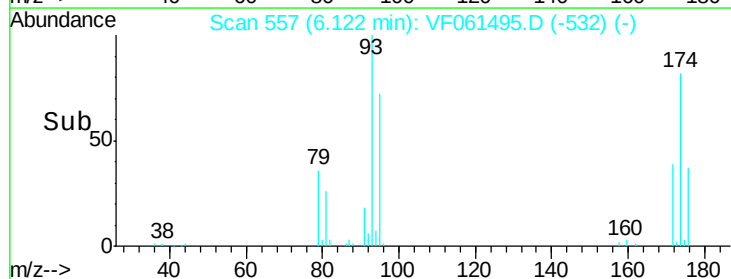
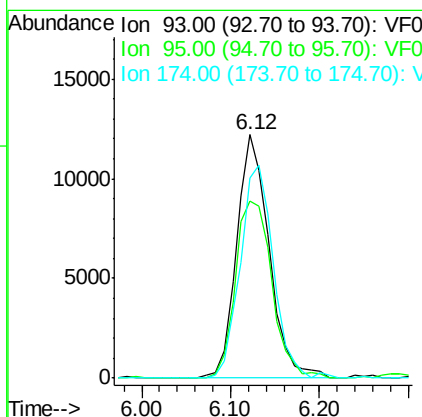
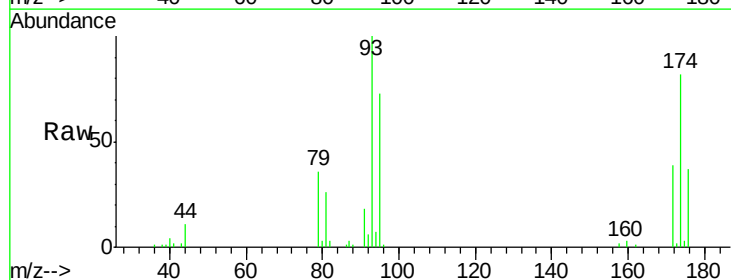
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

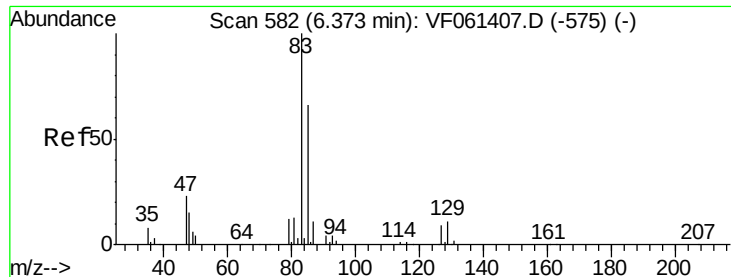
Tot Ion: 63 Resp: 49059
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.4 36.6



#46
 Dibromomethane
 Concen: 18.008 ug/l
 RT: 6.12 min Scan# 557
 Delta R.T. 0.05 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

Tgt Ion: 93 Resp: 30899
 Ion Ratio Lower Upper
 93 100
 95 72.9 62.1 93.1
 174 82.4 74.6 111.8





#47

Bromodichloromethane

Concen: 17.887 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.06 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

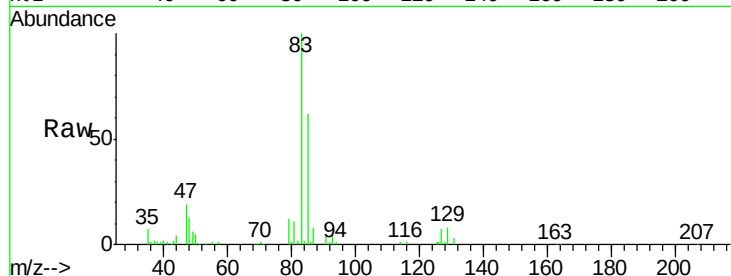
Tot Ion: 83 Resp: 75938

Ion Ratio Lower Upper

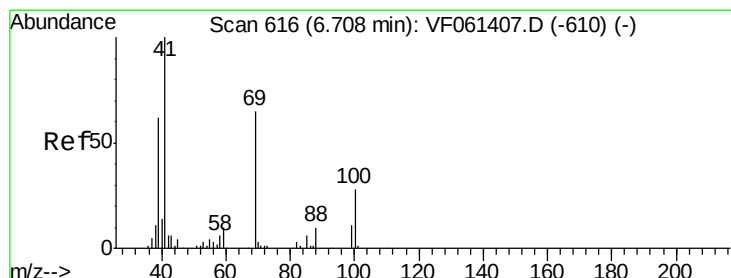
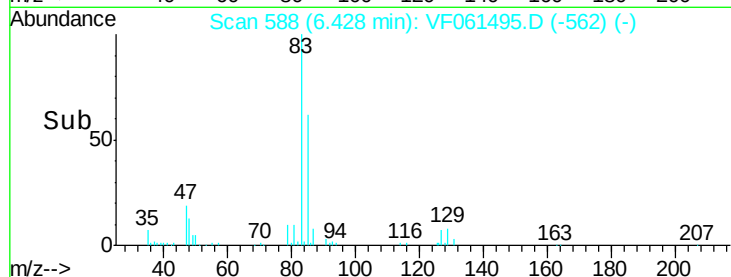
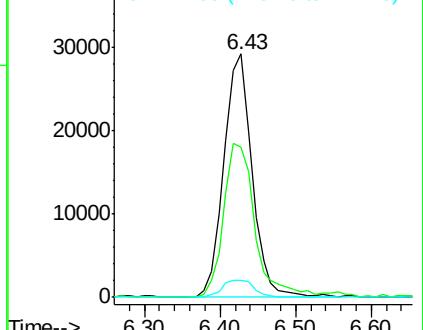
83 100

85 61.6 53.0 79.4

127 7.1 6.9 10.3



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: 20.550 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

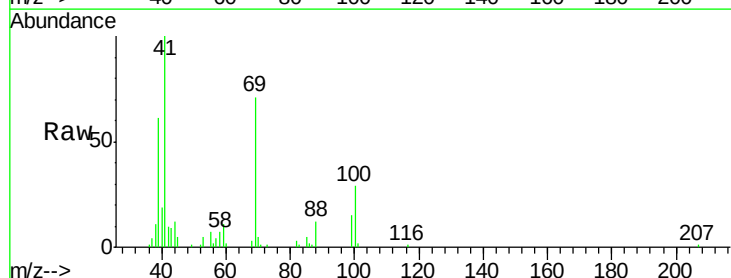
Tgt Ion: 41 Resp: 30590

Ion Ratio Lower Upper

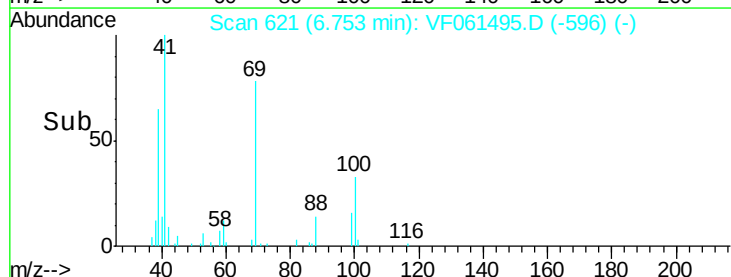
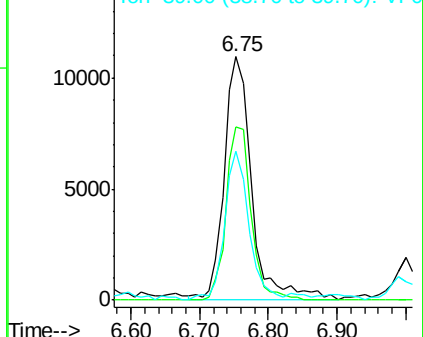
41 100

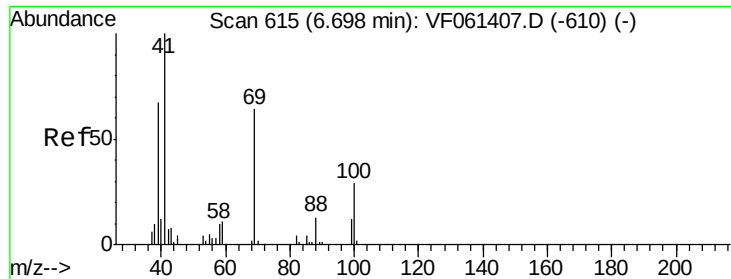
69 71.0 51.7 77.5

39 61.2 49.2 73.8



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: 344.668 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.06 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

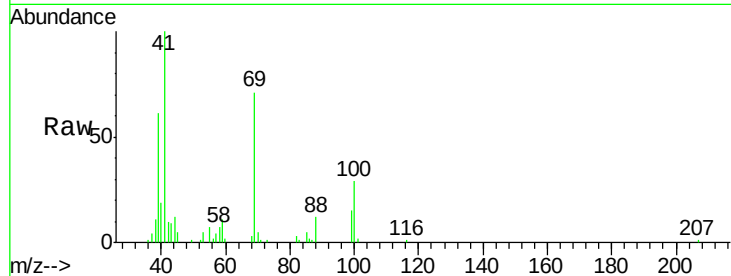
Tot Ion: 88 Resp: 4054

Ion Ratio Lower Upper

88 100

43 71.5 55.5 83.3

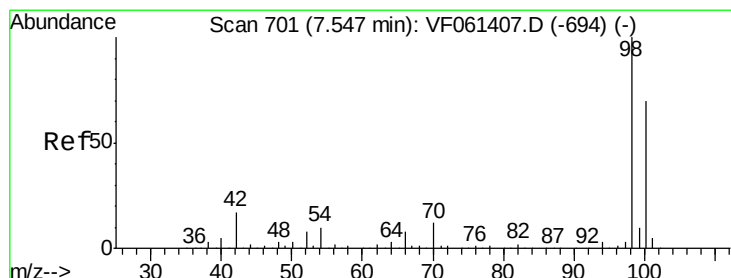
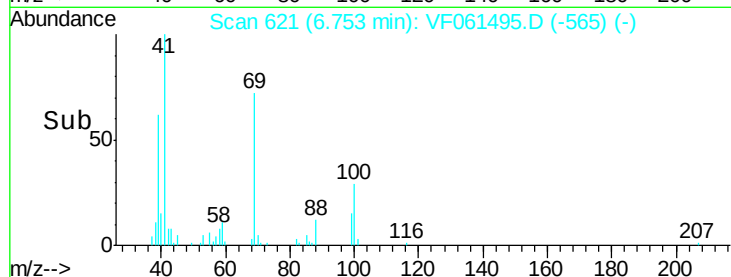
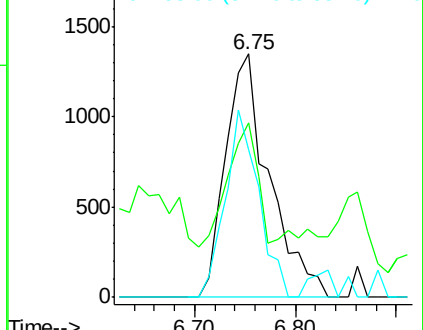
58 60.6 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 42.547 ug/l

RT: 7.59 min Scan# 706

Delta R.T. 0.05 min

Lab File: VF061495.D

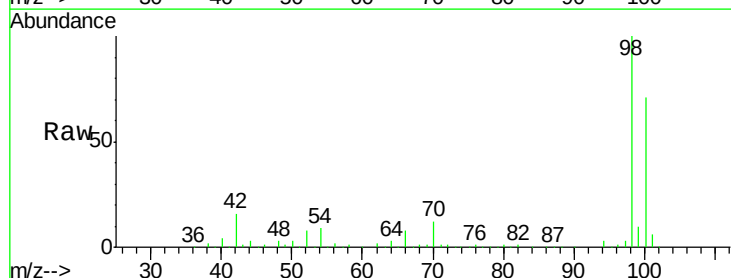
Acq: 24 Jan 2019 12:47

Tgt Ion: 98 Resp: 350548

Ion Ratio Lower Upper

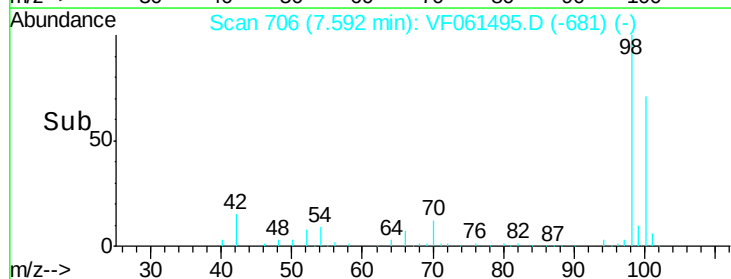
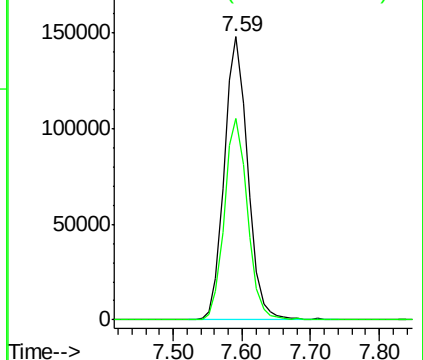
98 100

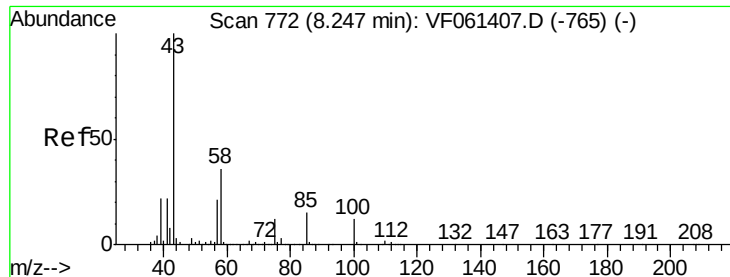
100 71.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 99.663 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

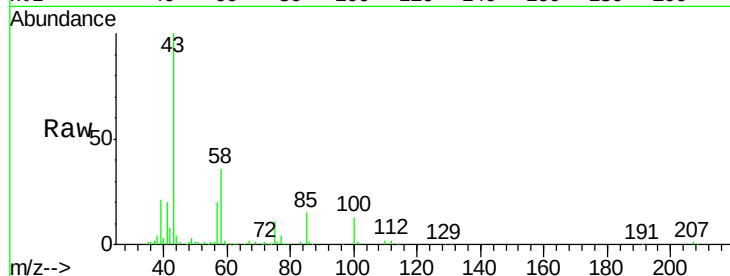
VF0124SBS01

Tot Ion: 43 Resp: 162417

Ion Ratio Lower Upper

43 100

58 36.2 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

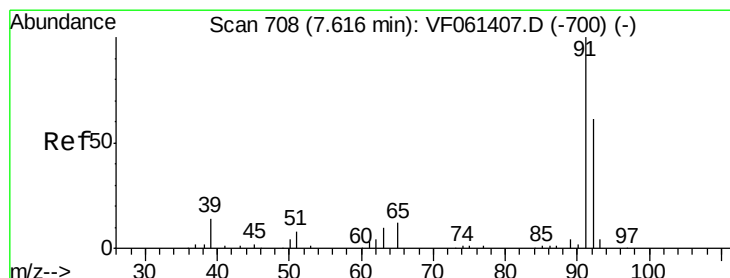
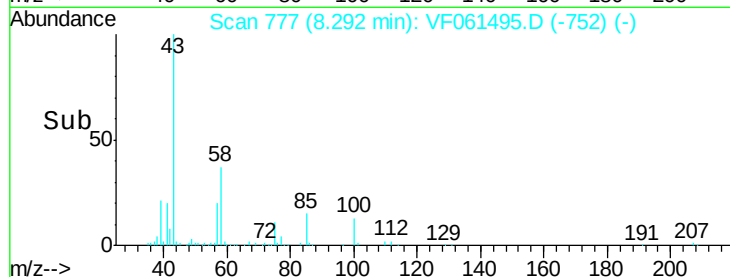
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 17.961 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.05 min

Lab File: VF061495.D

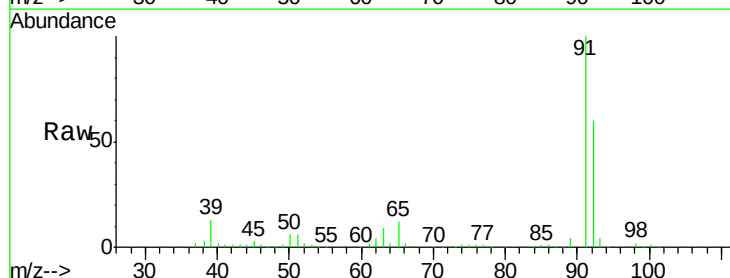
Acq: 24 Jan 2019 12:47

Tgt Ion: 92 Resp: 116291

Ion Ratio Lower Upper

92 100

91 166.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

100000

80000

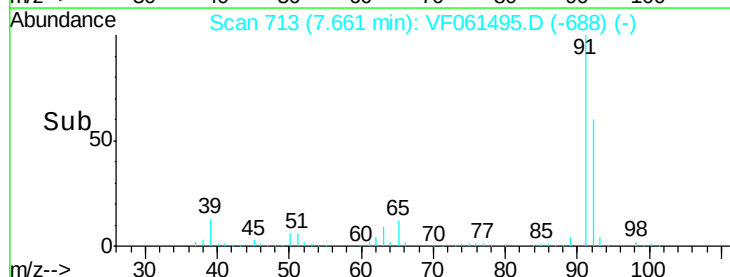
60000

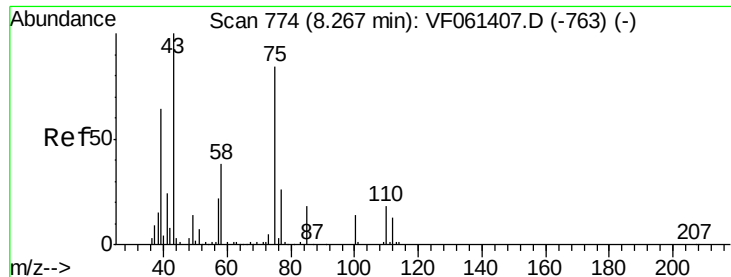
40000

20000

0

Time--> 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 18.632 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

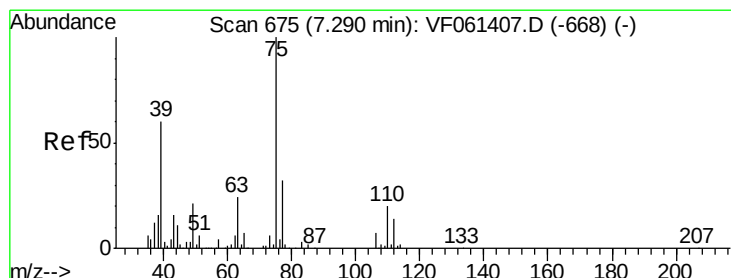
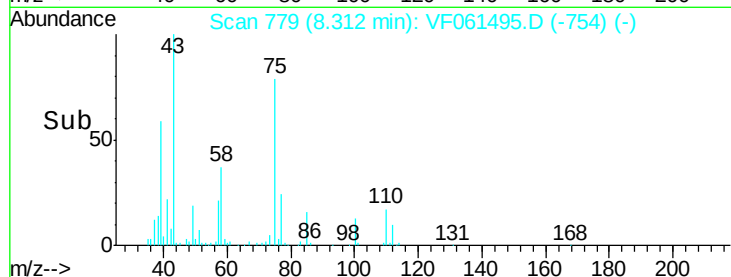
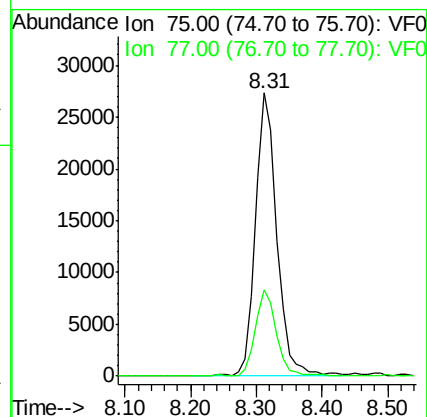
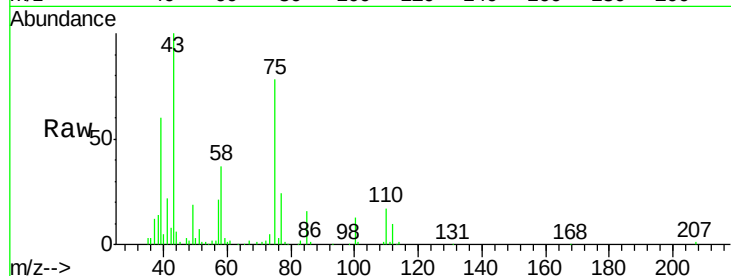
VF0124SBS01

Tot Ion: 75 Resp: 62809

Ion Ratio Lower Upper

75 100

77 30.4 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.896 ug/l

RT: 7.34 min Scan# 680

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

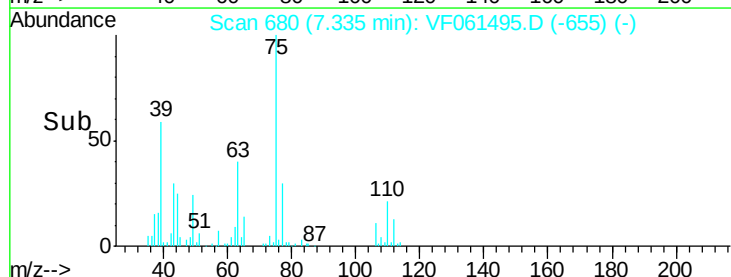
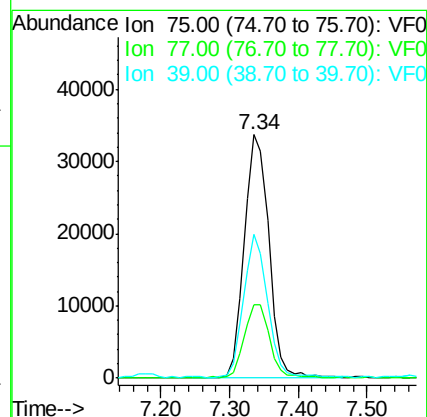
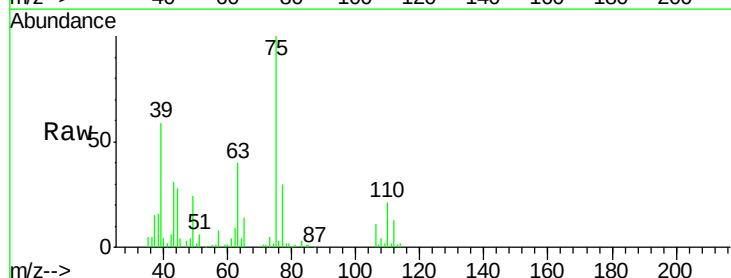
Tgt Ion: 75 Resp: 83836

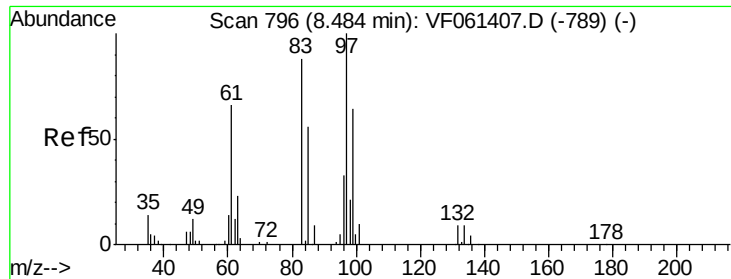
Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

39 58.9 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 19.273 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 97 Resp: 35436

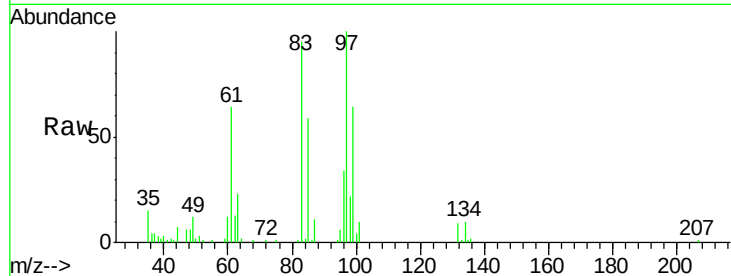
Ion Ratio Lower Upper

97 100

83 94.8 70.4 105.6

85 59.3 44.7 67.1

99 63.9 50.8 76.2

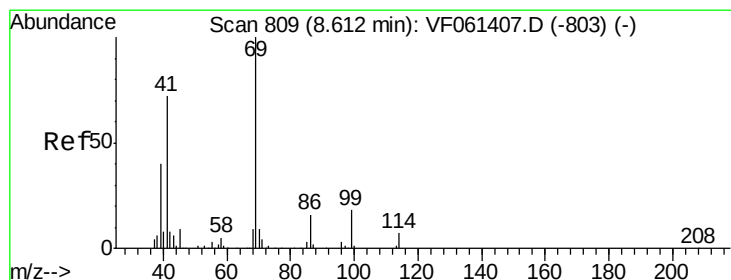
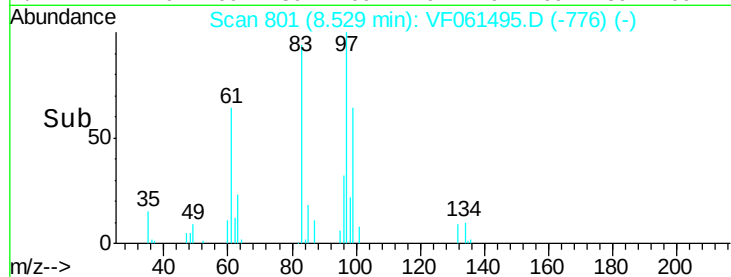
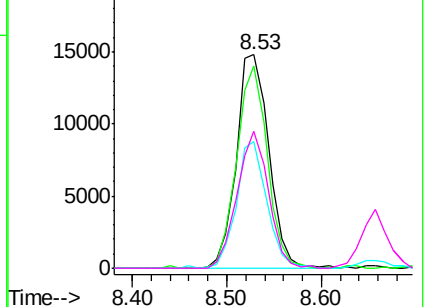


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.091 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

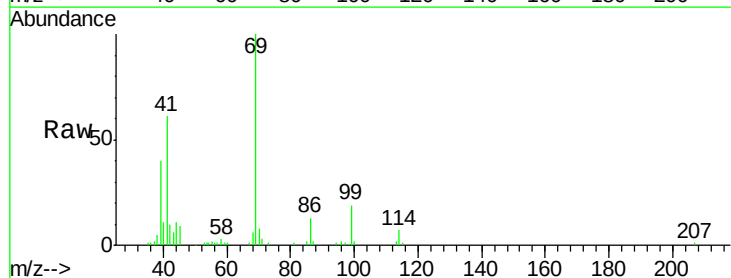
Tgt Ion: 69 Resp: 45117

Ion Ratio Lower Upper

69 100

41 61.4 57.5 86.3

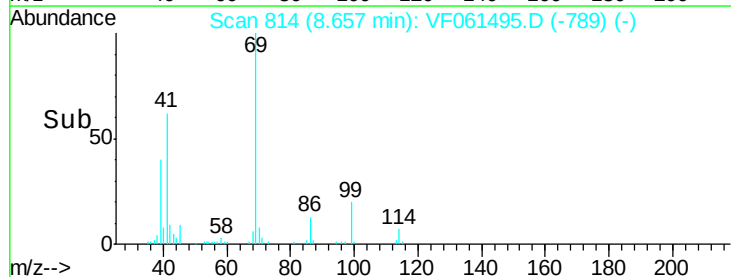
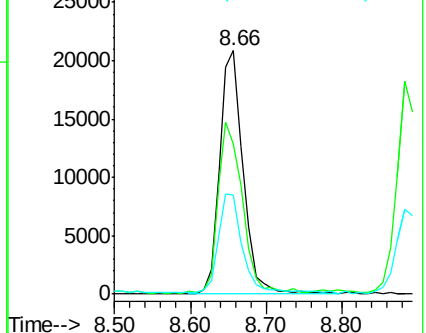
39 40.4 32.0 48.0

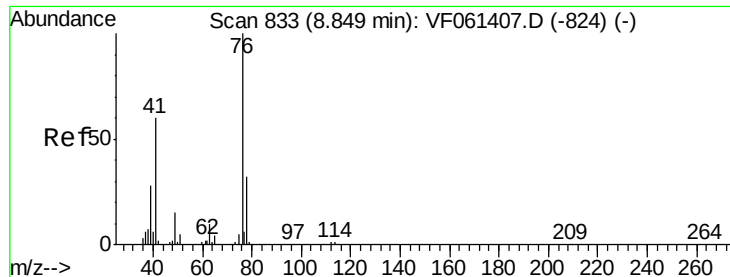


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.440 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

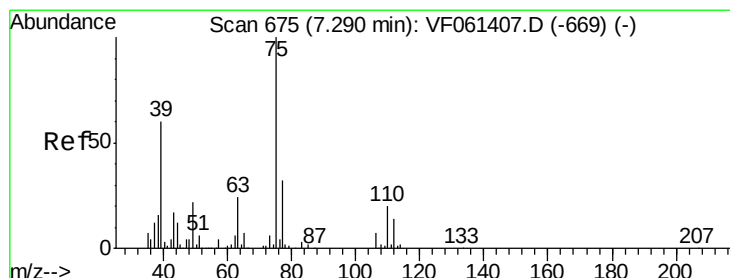
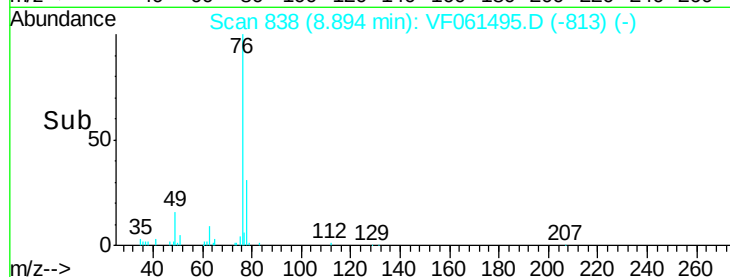
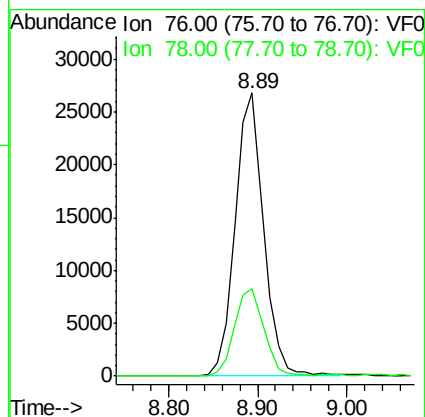
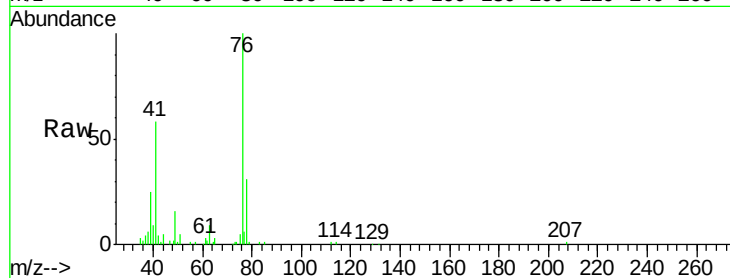
VF0124SBS01

Tot Ion: 76 Resp: 60102

Ion Ratio Lower Upper

76 100

78 30.7 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 155.813 ug/l

RT: 7.34 min Scan# 680

Delta R.T. 0.05 min

Lab File: VF061495.D

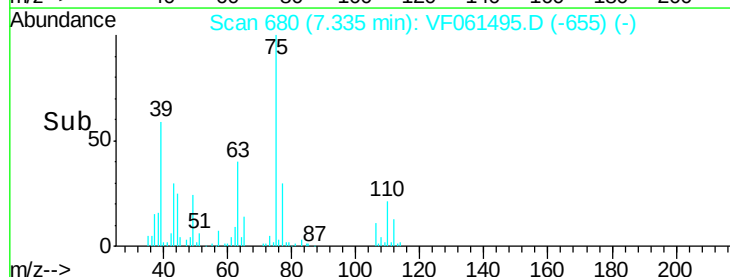
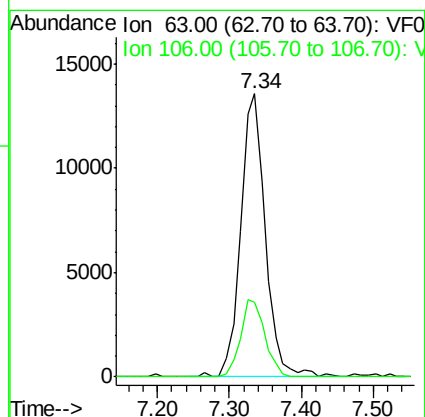
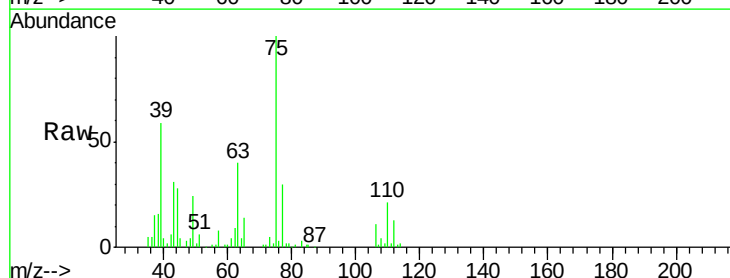
Acq: 24 Jan 2019 12:47

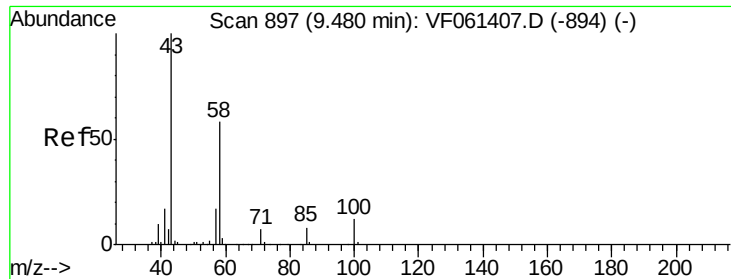
Tgt Ion: 63 Resp: 32338

Ion Ratio Lower Upper

63 100

106 26.2 21.9 32.9





#59

2-Hexanone

Concen: 107.576 ug/l

RT: 9.53 min Scan# 902

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

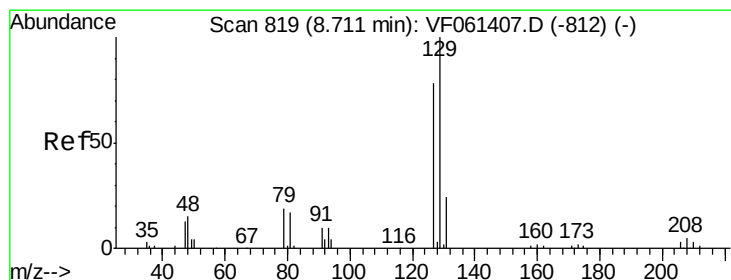
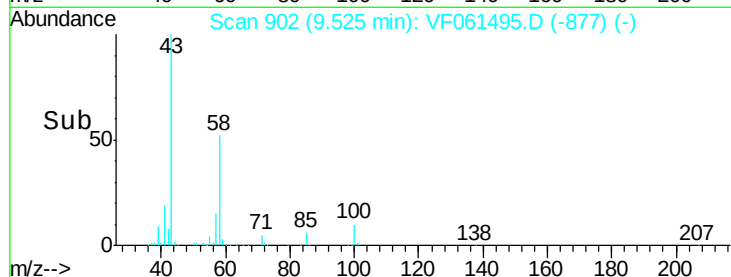
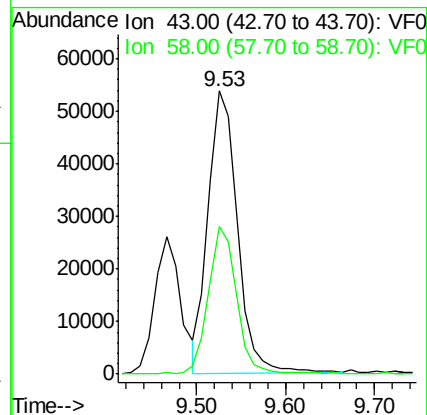
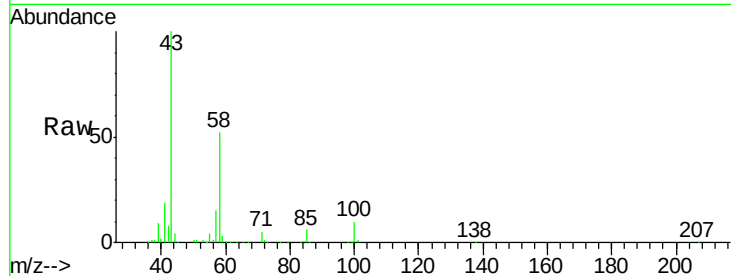
VF0124SBS01

Tot Ion: 43 Resp: 122249

Ion Ratio Lower Upper

43 100

58 52.1 25.9 77.6



#60

Dibromochloromethane

Concen: 17.657 ug/l

RT: 8.76 min Scan# 824

Delta R.T. 0.05 min

Lab File: VF061495.D

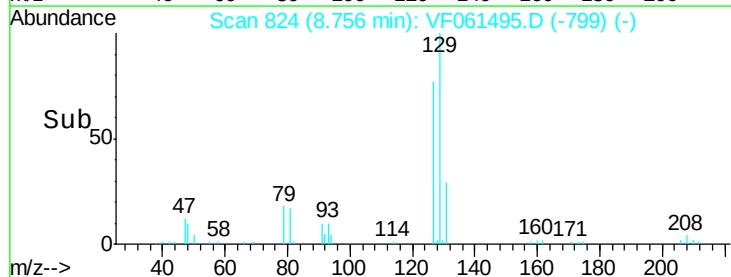
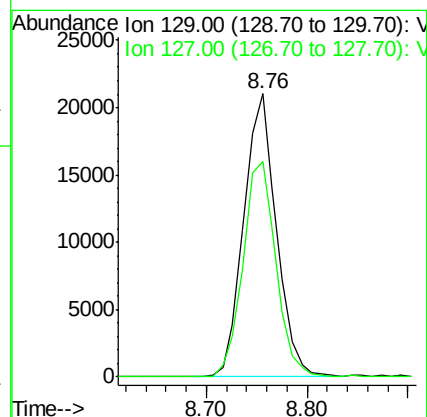
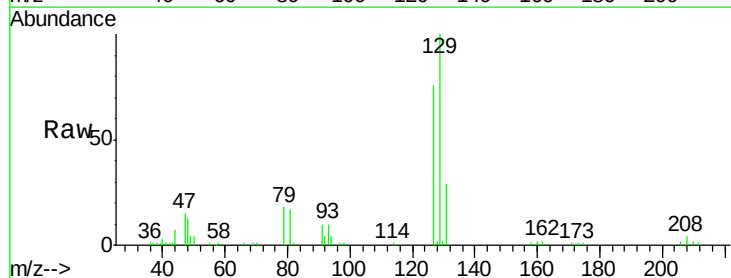
Acq: 24 Jan 2019 12:47

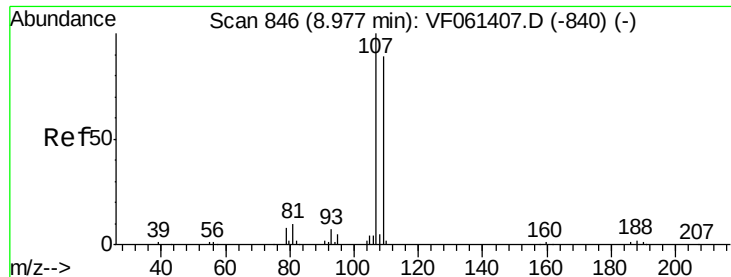
Tgt Ion:129 Resp: 47463

Ion Ratio Lower Upper

129 100

127 76.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.302 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

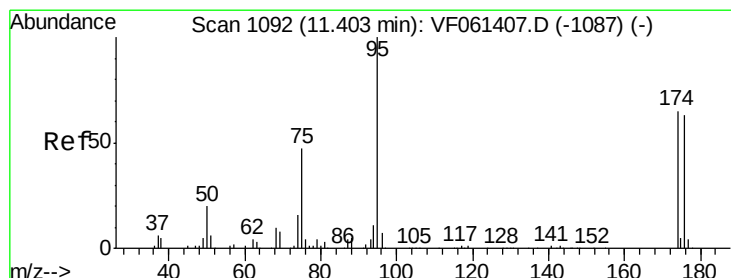
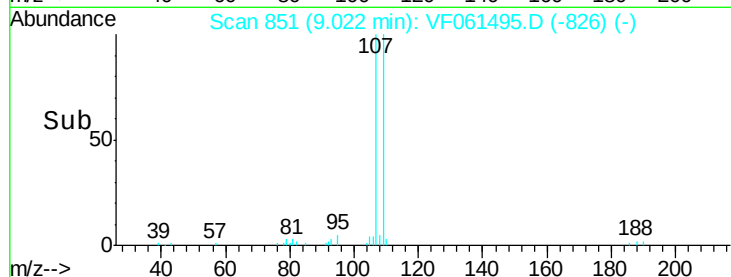
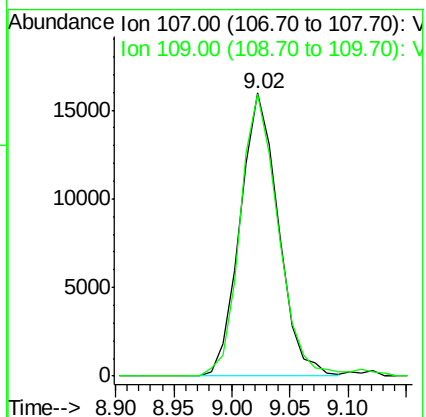
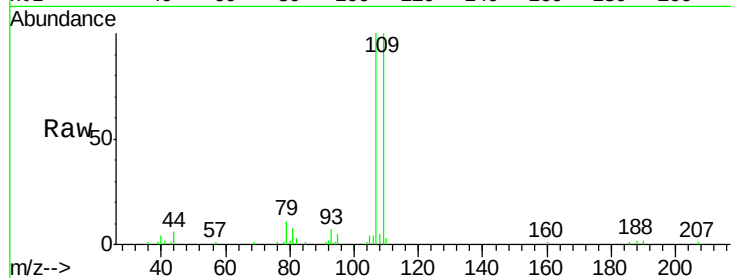
VF0124SBS01

Tot Ion:107 Resp: 36419

Ion Ratio Lower Upper

107 100

109 99.9 70.8 106.2



#62

4-Bromofluorobenzene

Concen: 41.037 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

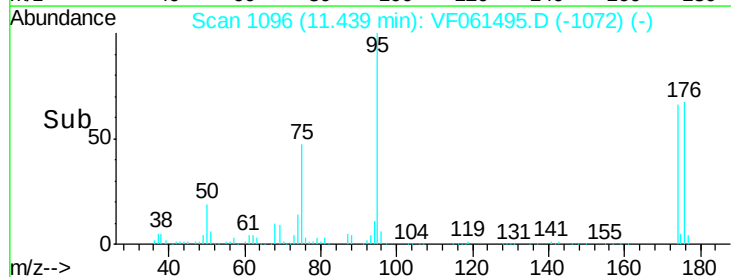
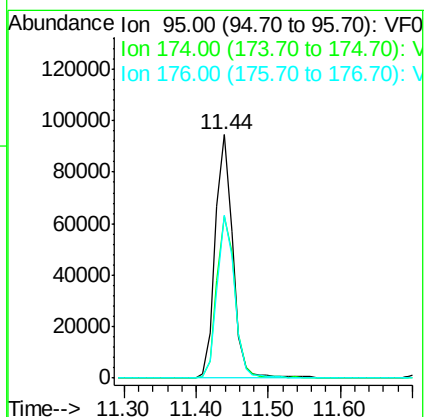
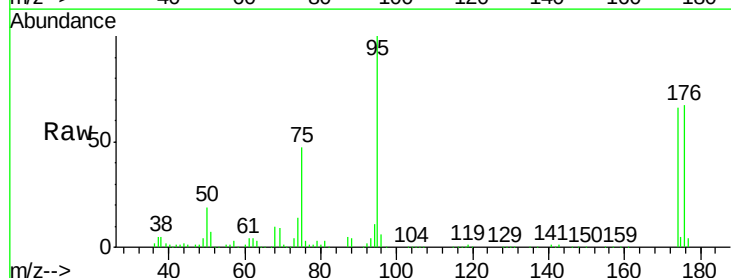
Tgt Ion: 95 Resp: 157973

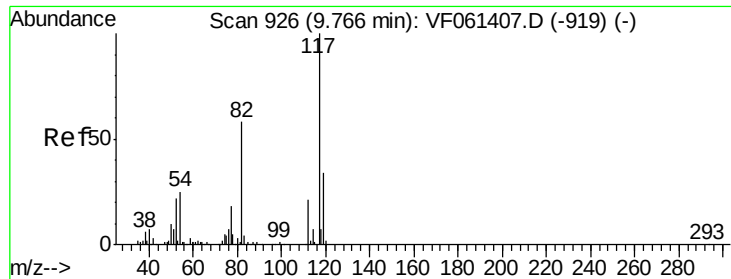
Ion Ratio Lower Upper

95 100

174 66.3 0.0 130.4

176 66.7 0.0 126.2

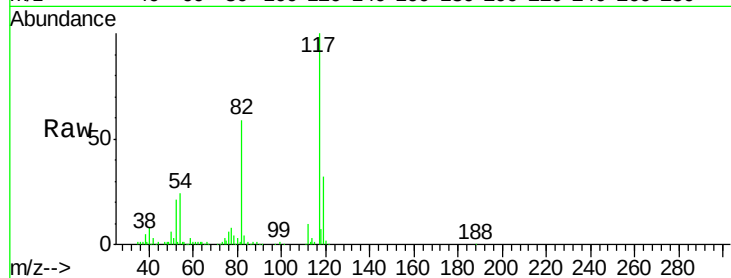




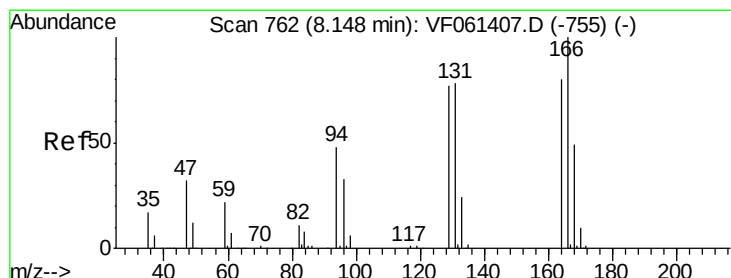
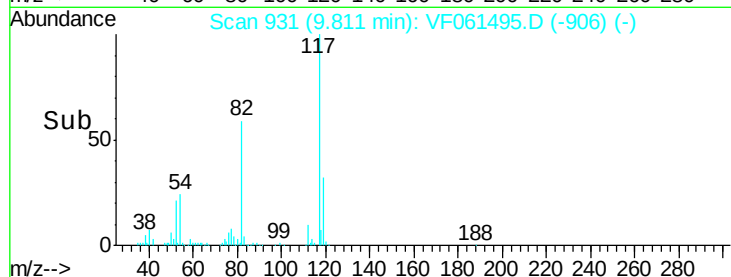
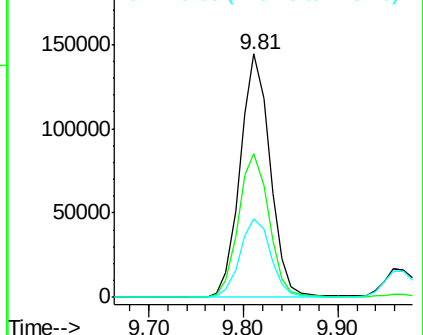
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion:117 Resp: 318755
Ion Ratio Lower Upper
117 100
82 59.3 46.4 69.6
119 32.4 27.2 40.8

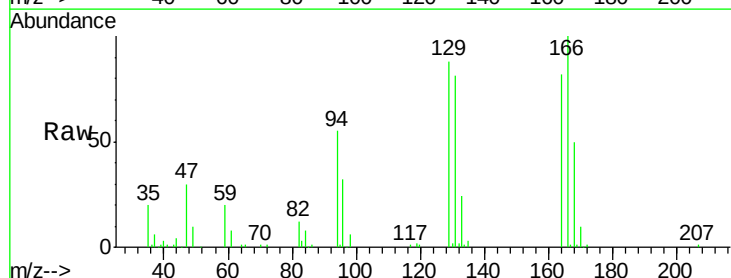


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

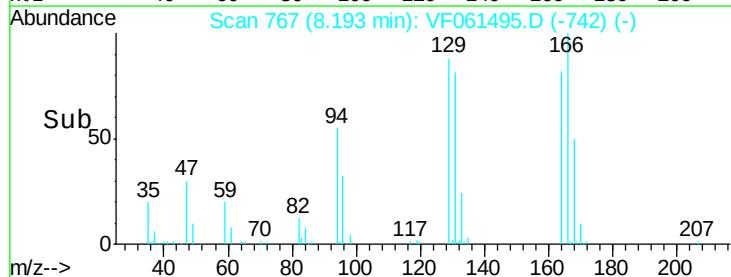
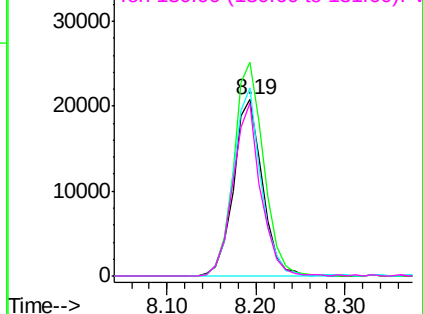


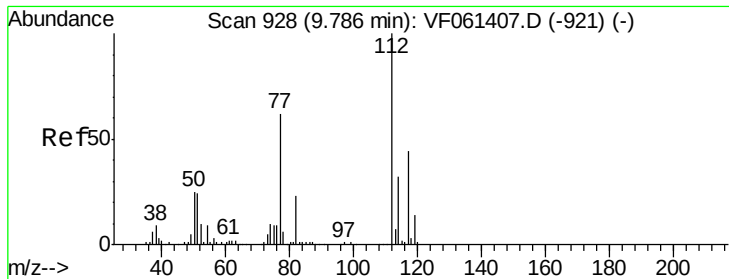
#64
Tetrachloroethene
Concen: 19.636 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion:164 Resp: 47068
Ion Ratio Lower Upper
164 100
166 121.3 99.6 149.4
129 107.1 76.4 114.6
131 98.1 77.9 116.9



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

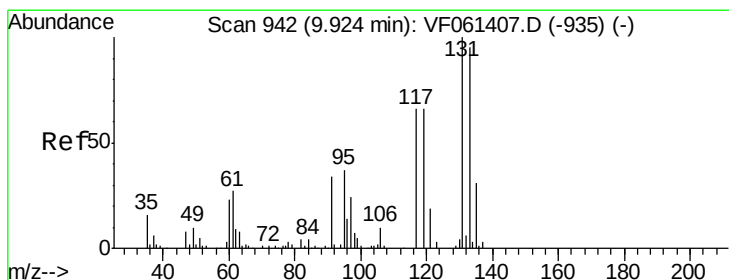
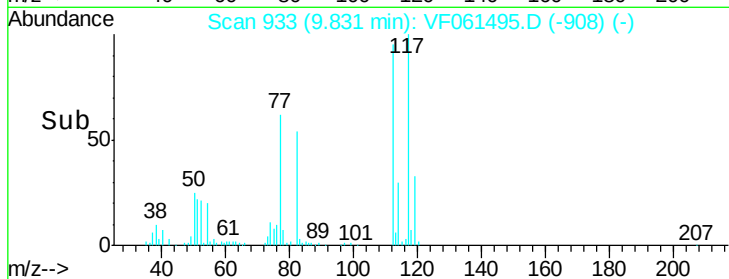
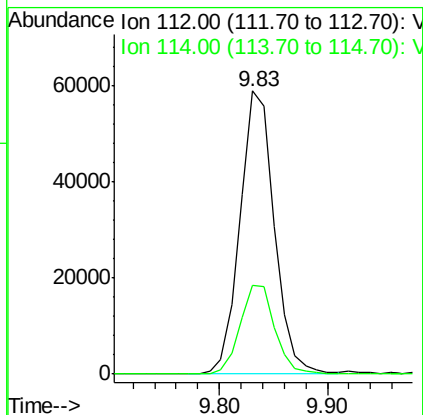
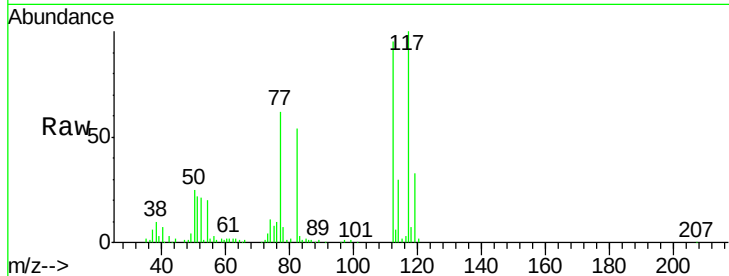




#65
Chlorobenzene
Concen: 20.105 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

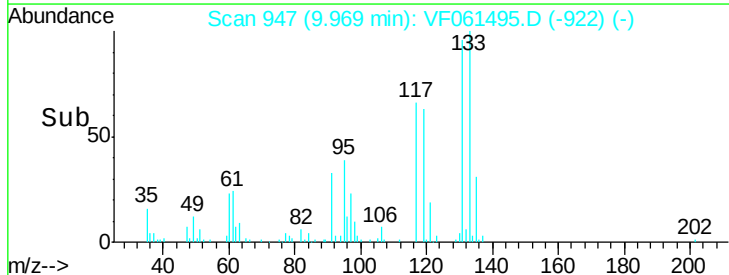
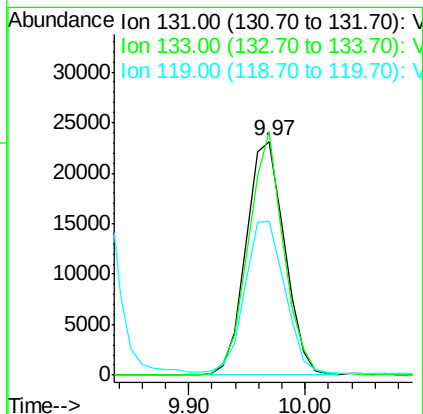
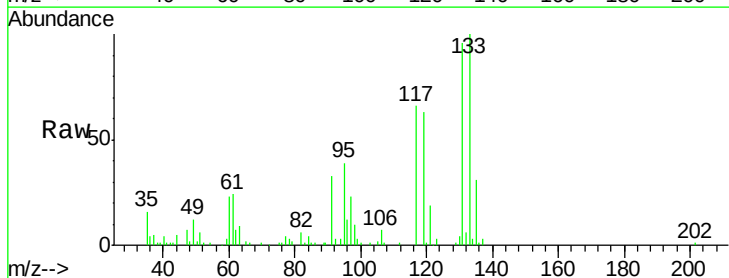
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBSD01

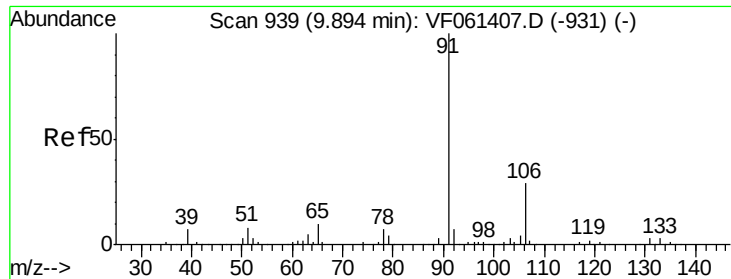
Tot Ion:112 Resp: 130325
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.661 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion:131 Resp: 53353
Ion Ratio Lower Upper
131 100
133 104.1 47.4 142.2
119 65.9 33.1 99.3

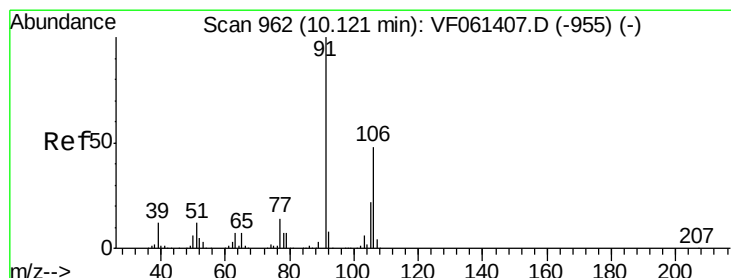
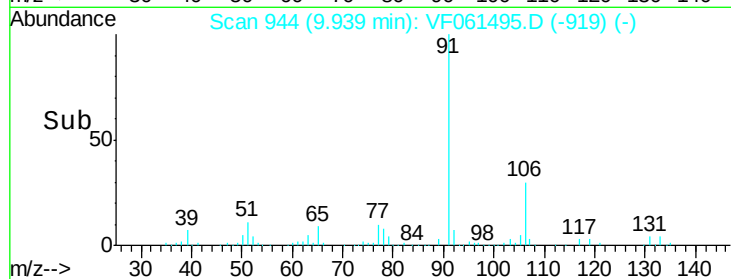
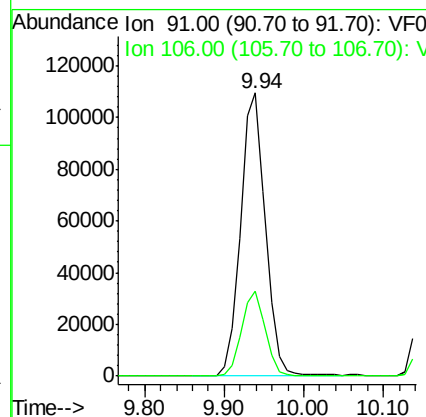
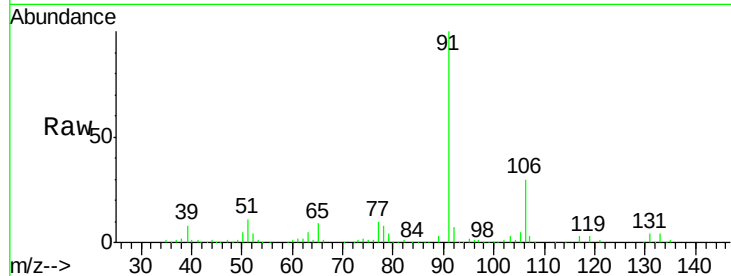




#67
Ethyl Benzene
Concen: 19.978 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

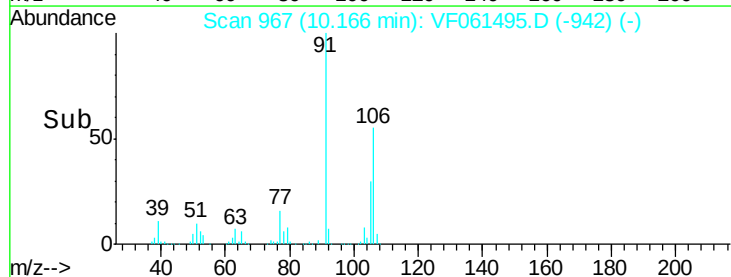
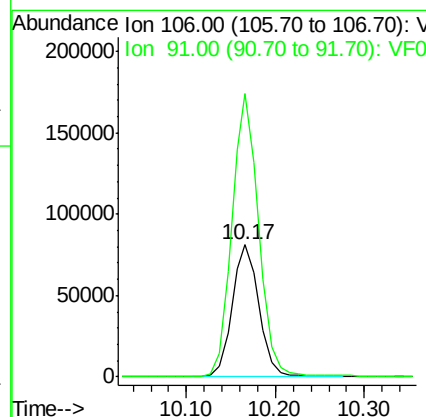
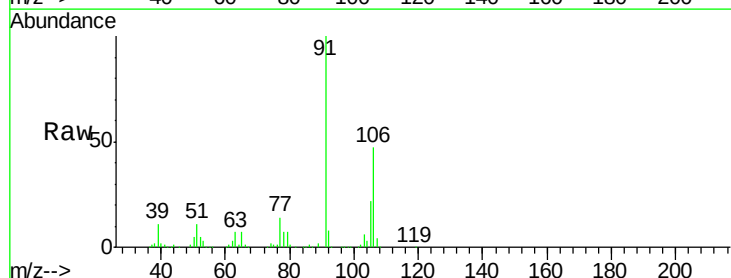
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBSD01

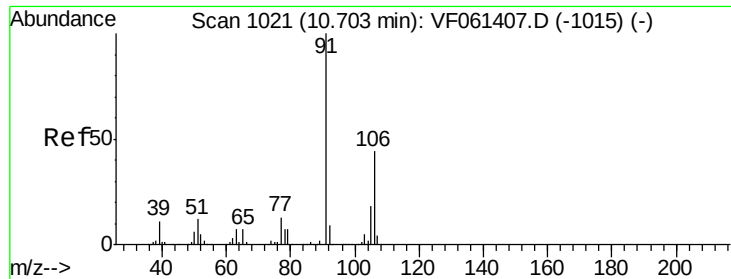
Tot Ion: 91 Resp: 236600
Ion Ratio Lower Upper
91 100
106 30.1 23.1 34.7



#68
m/p-Xylenes
Concen: 40.336 ug/l
RT: 10.17 min Scan# 967
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 106 Resp: 171813
Ion Ratio Lower Upper
106 100
91 214.6 166.2 249.4

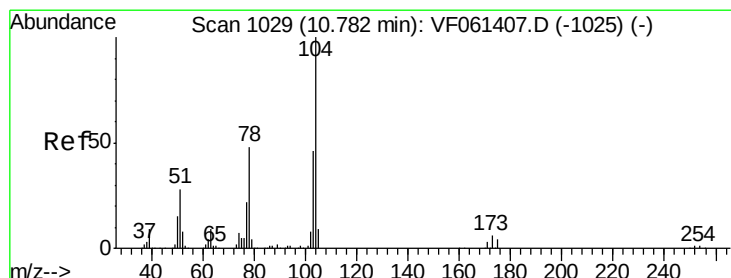
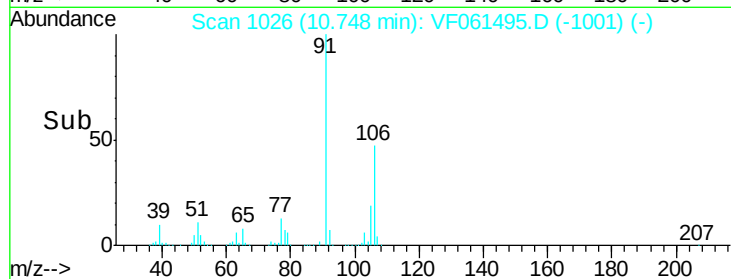
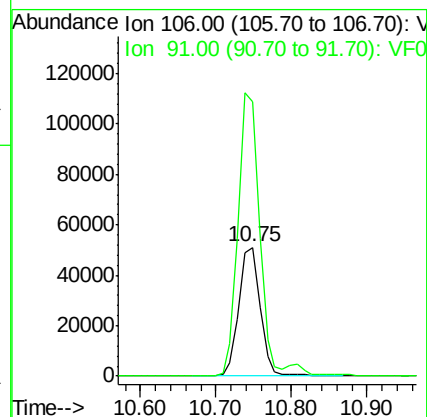
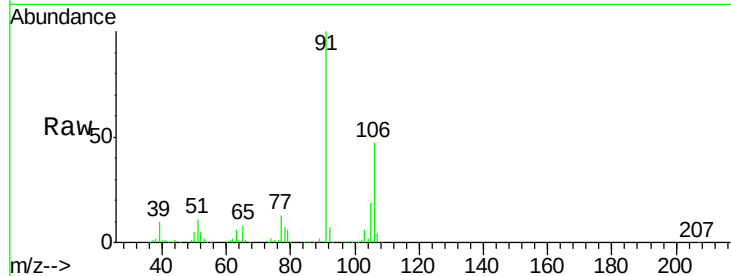




#69
o-Xylene
Concen: 21.602 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.05 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

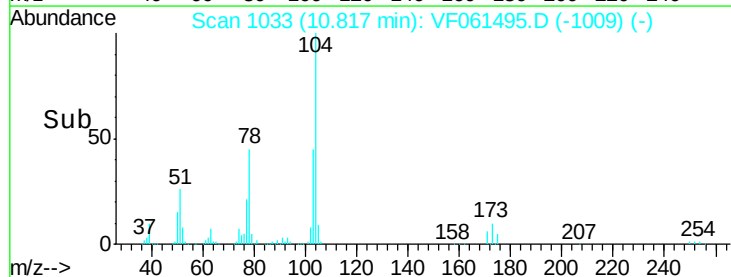
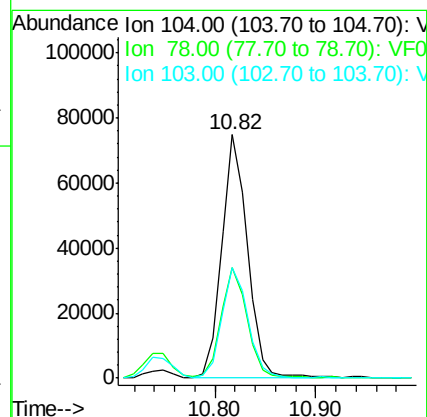
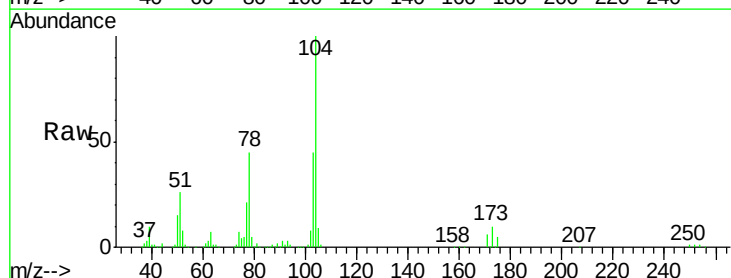
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

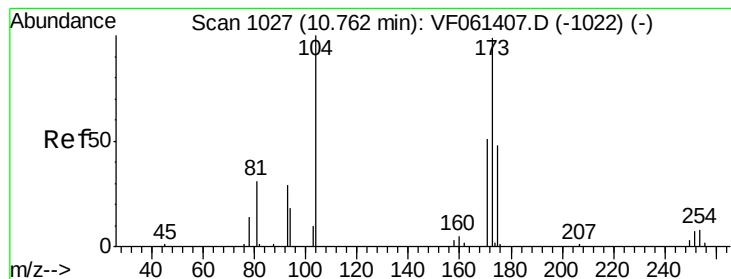
Tot Ion:106 Resp: 99730
Ion Ratio Lower Upper
106 100
91 213.8 113.3 339.8



#70
Styrene
Concen: 21.118 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.04 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion:104 Resp: 133450
Ion Ratio Lower Upper
104 100
78 45.5 38.8 58.2
103 45.3 37.0 55.6





#71

Bromoform

Concen: 20.187 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. 0.05 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBSD01

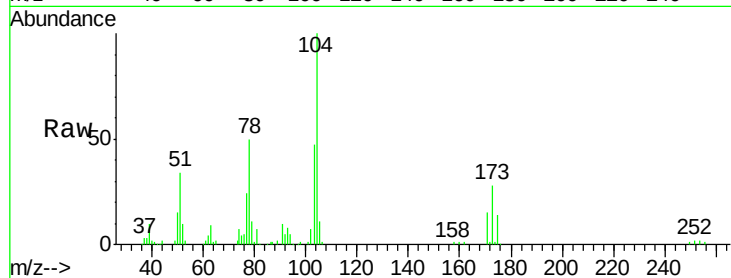
Tot Ion:173 Resp: 23421

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.4

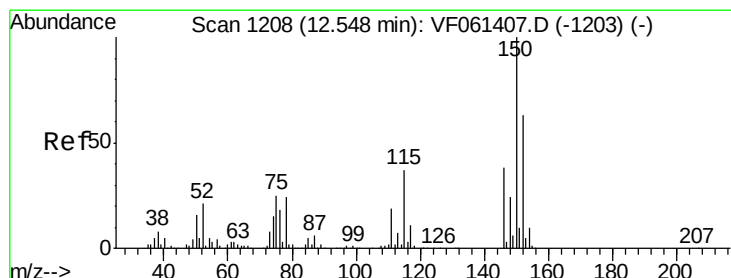
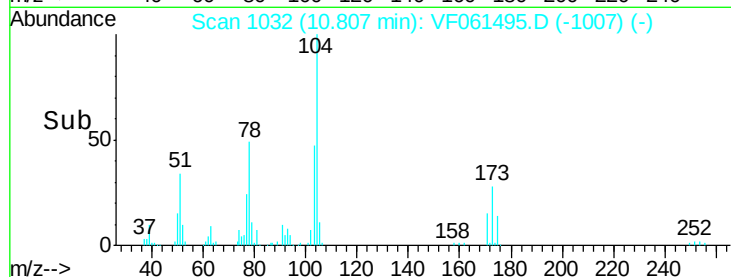
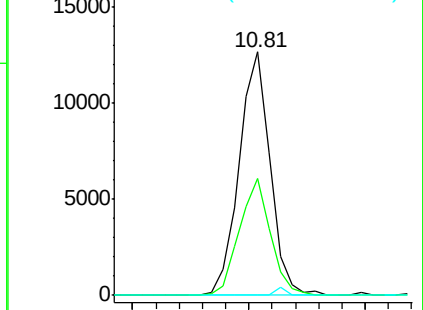
254 0.0 0.0 0.0



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: 12.57 min Scan# 1211

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

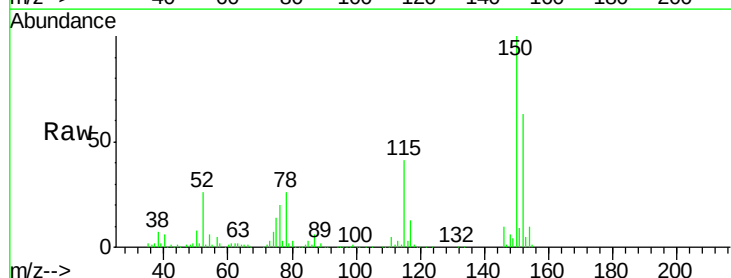
Tgt Ion:152 Resp: 162488

Ion Ratio Lower Upper

152 100

115 64.9 30.0 90.0

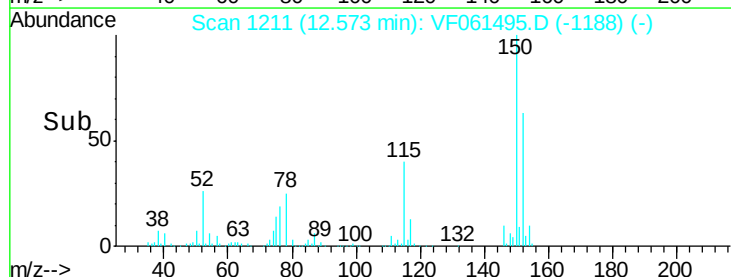
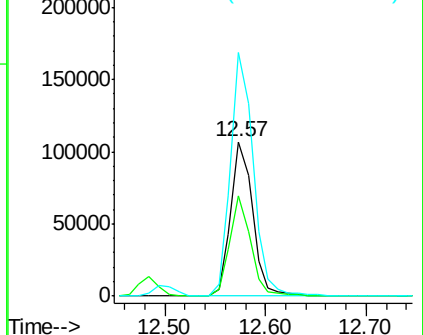
150 157.8 0.0 321.4

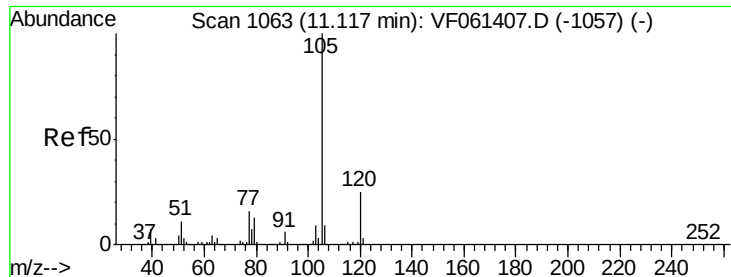


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.140 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

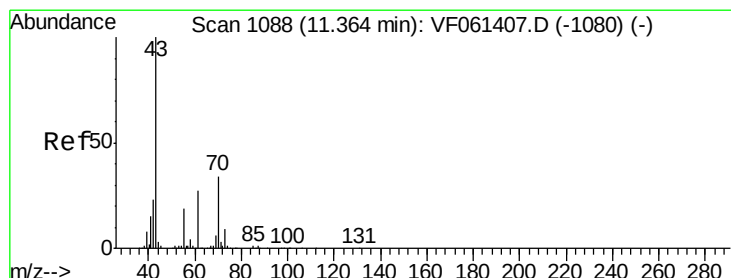
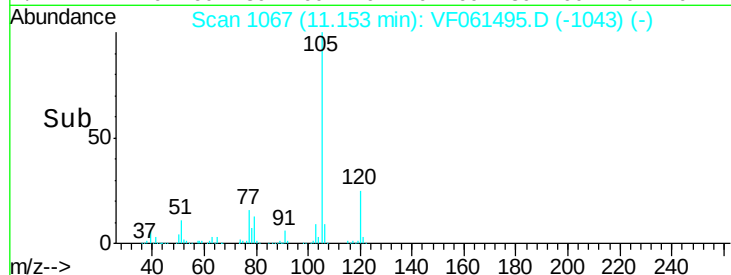
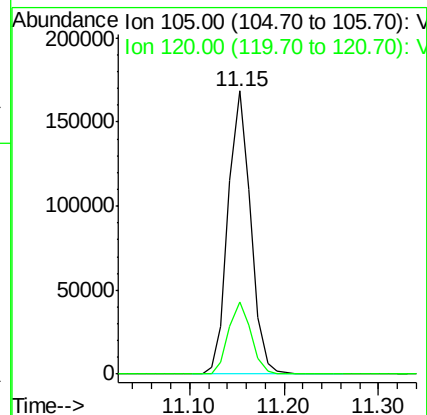
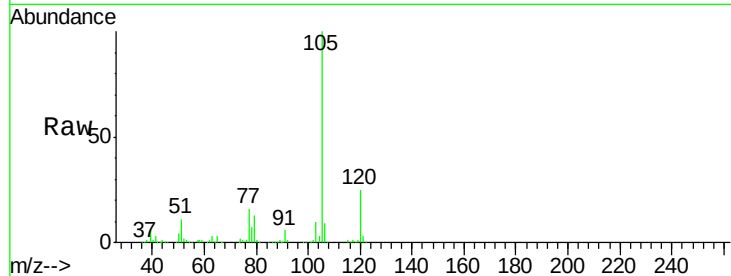
VF0124SBS01

Tot Ion:105 Resp: 279381

Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8



#74

N-ethyl acetate

Concen: 23.557 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Tgt Ion: 43 Resp: 73616

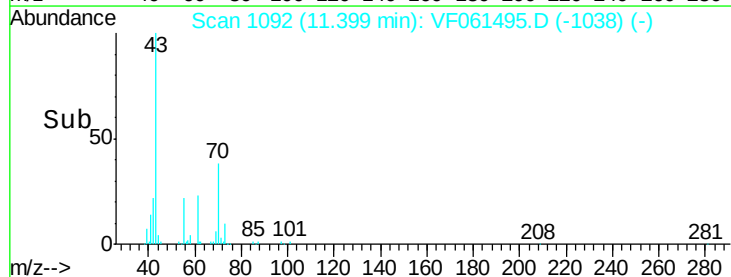
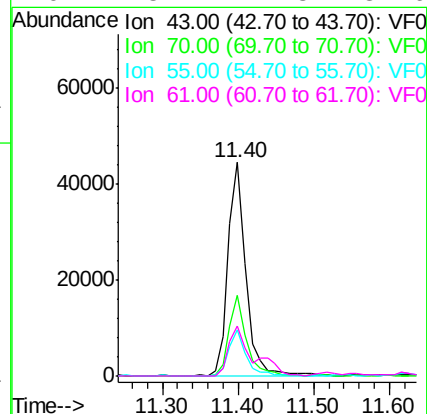
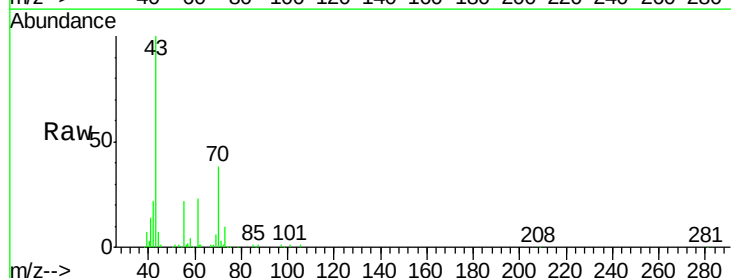
Ion Ratio Lower Upper

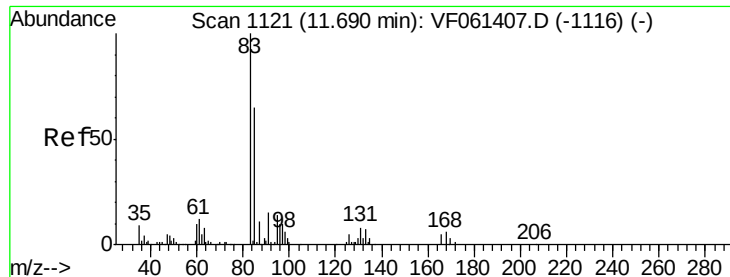
43 100

70 37.7 27.6 41.4

55 21.8 15.4 23.2

61 23.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.063 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

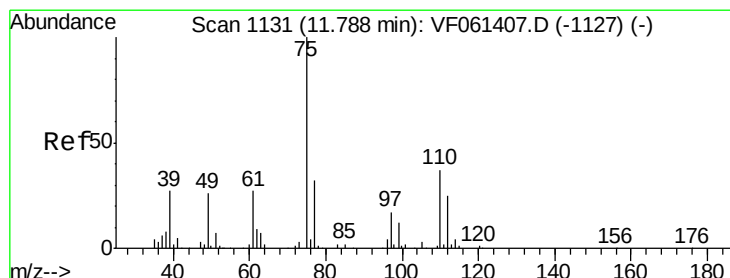
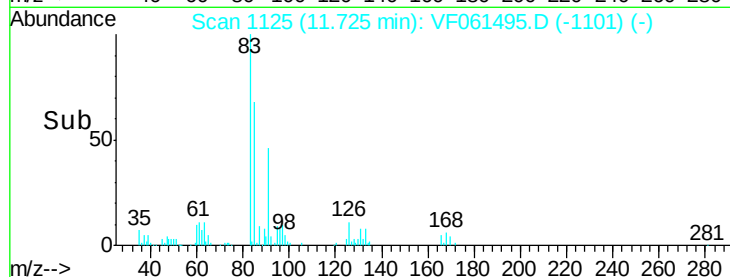
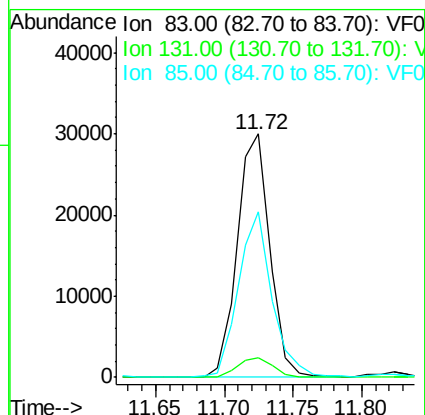
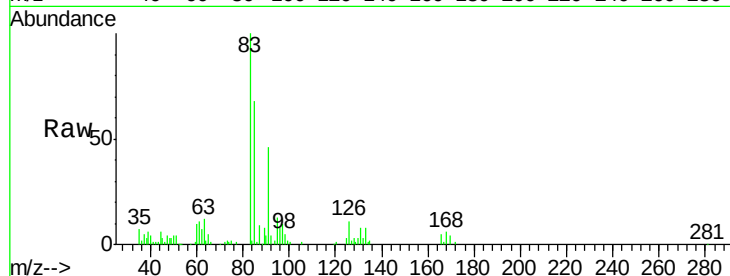
Tot Ion: 83 Resp: 49588

Ion	Ratio	Lower	Upper
83	100		
131	7.9	4.0	12.2
85	68.0	32.7	98.1

83 100

131 7.9 4.0 12.2

85 68.0 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 20.420 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.04 min

Lab File: VF061495.D

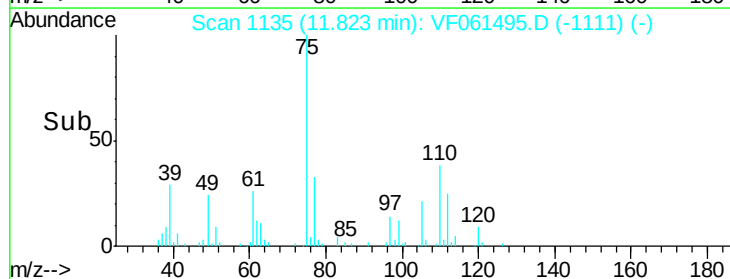
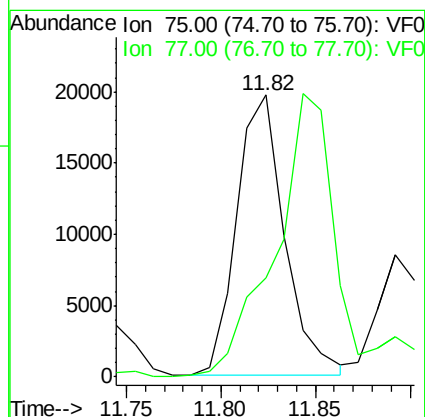
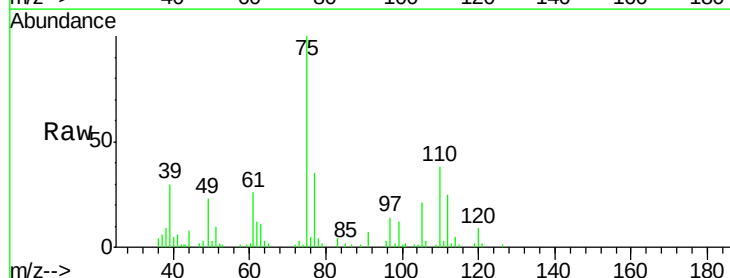
Acq: 24 Jan 2019 12:47

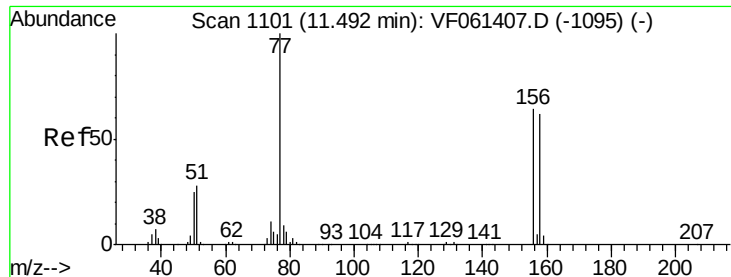
Tgt Ion: 75 Resp: 34544

Ion	Ratio	Lower	Upper
75	100		
77	35.2	16.1	48.3

75 100

77 35.2 16.1 48.3





#77

Bromobenzene

Concen: 20.280 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. 0.04 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

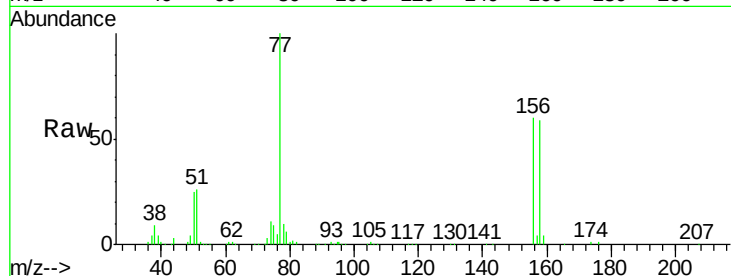
Tot Ion:156 Resp: 56600

Ion Ratio Lower Upper

156 100

77 165.9 78.3 234.9

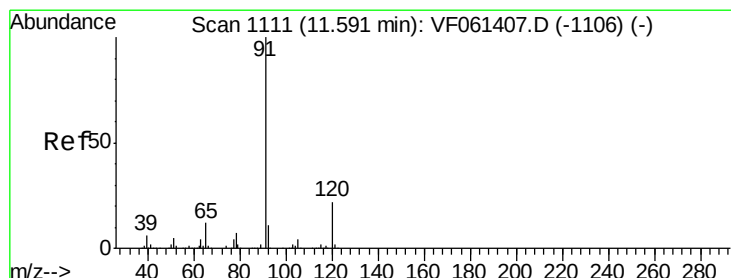
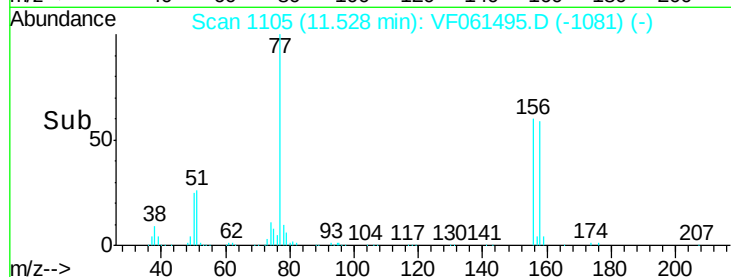
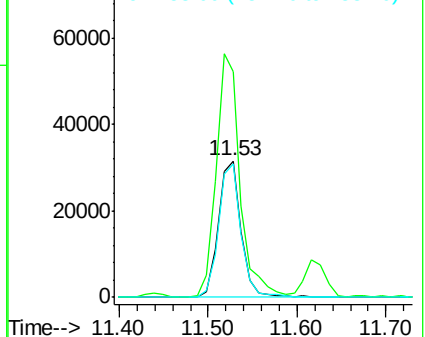
158 97.6 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.508 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VF061495.D

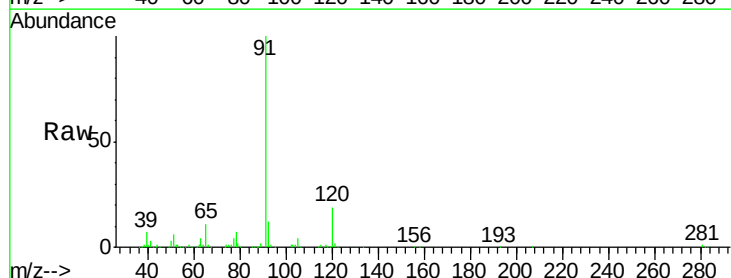
Acq: 24 Jan 2019 12:47

Tgt Ion: 91 Resp: 336226

Ion Ratio Lower Upper

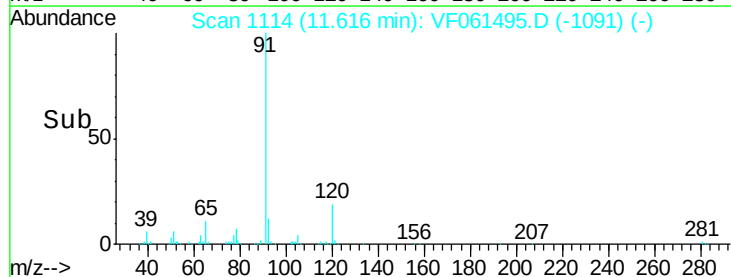
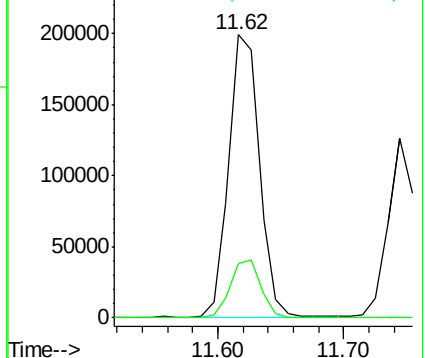
91 100

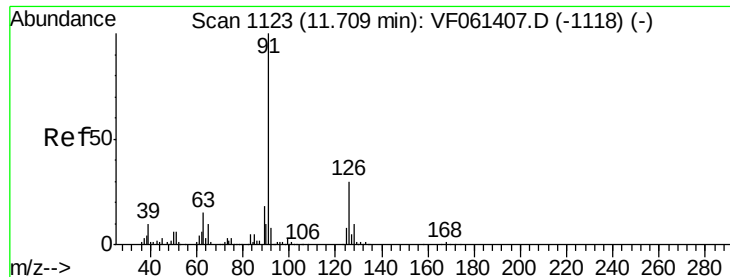
120 19.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

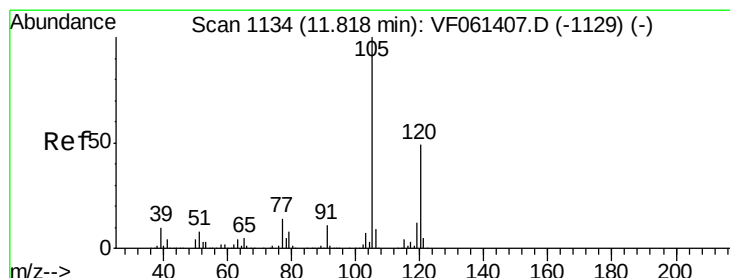
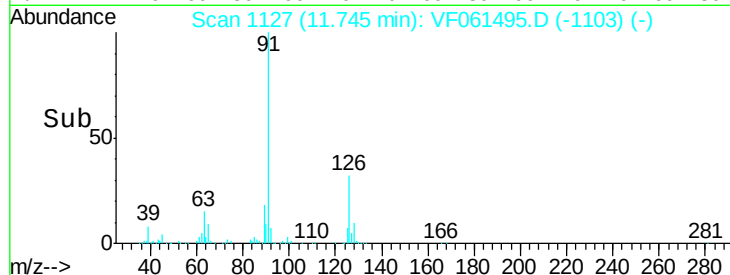
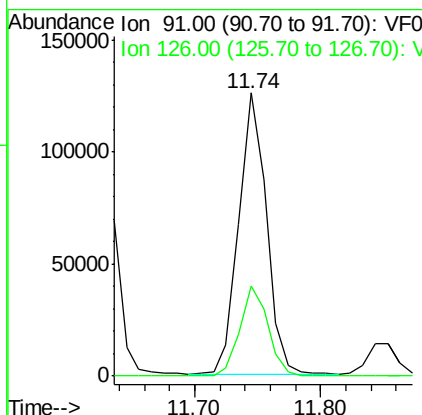
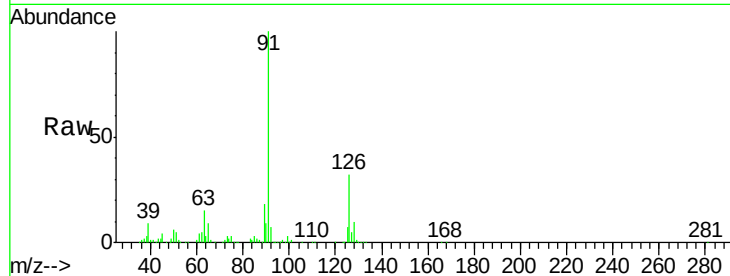




#79
 2-Chlorotoluene
 Concen: 20.889 ug/l
 RT: 11.74 min Scan# 1127
 Delta R.T. 0.04 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

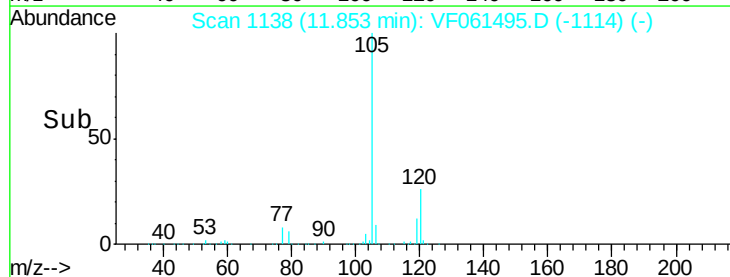
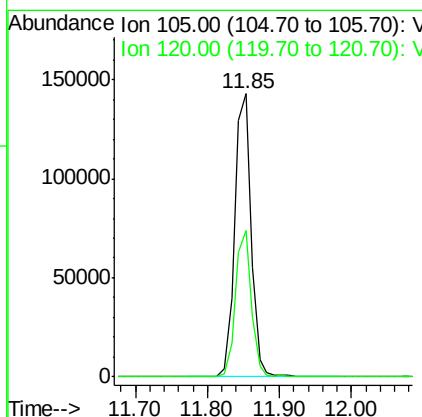
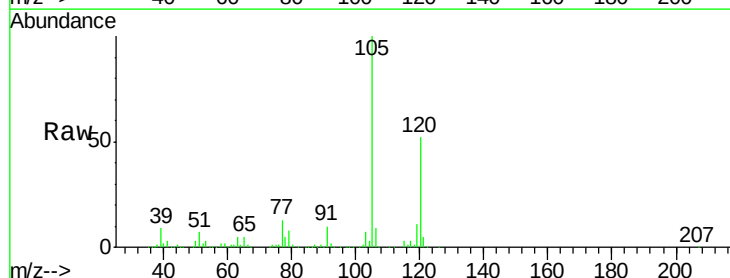
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

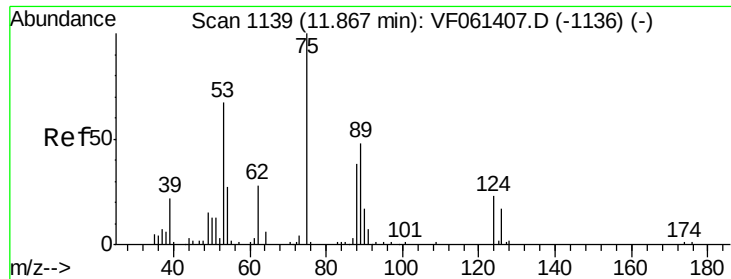
Tot Ion: 91 Resp: 191542
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.500 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. 0.04 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

Tgt Ion: 105 Resp: 229302
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 28.594 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampled :

VF0124SBS01

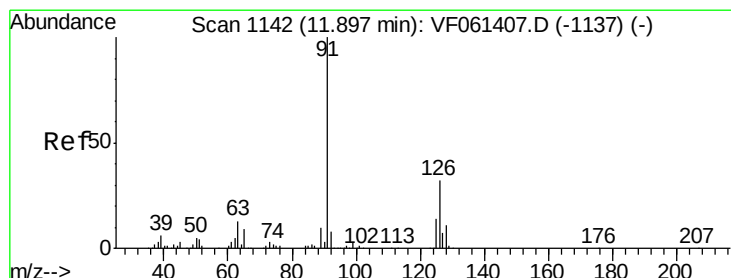
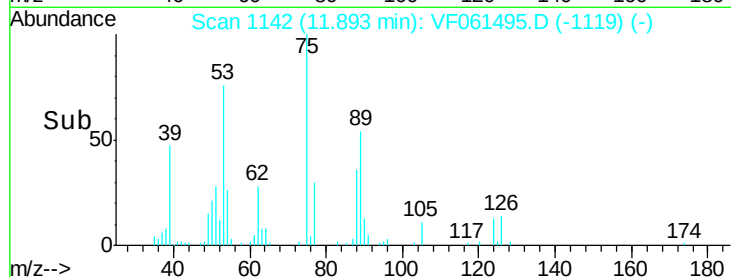
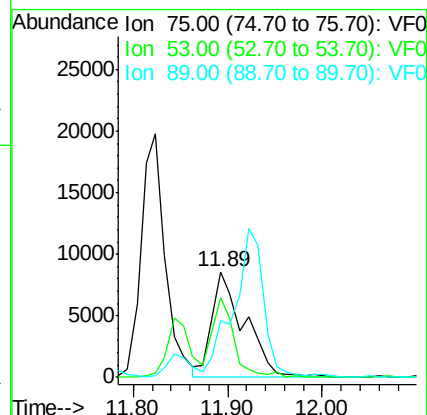
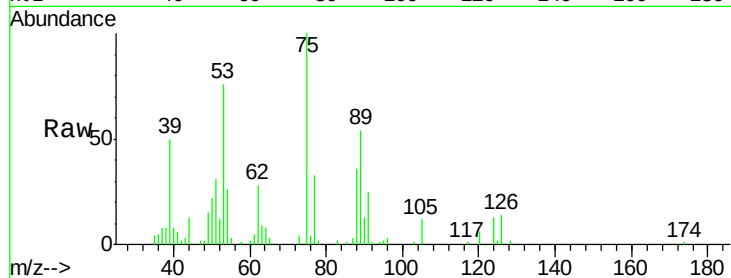
Tot Ion: 75 Resp: 21028

Ion Ratio Lower Upper

75 100

53 75.9 57.8 86.6

89 53.8 40.7 61.1



#82

4-Chlorotoluene

Concen: 20.481 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VF061495.D

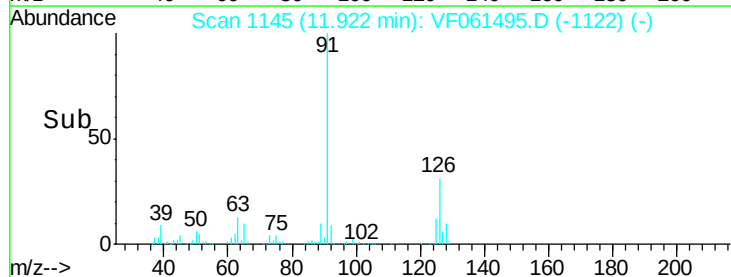
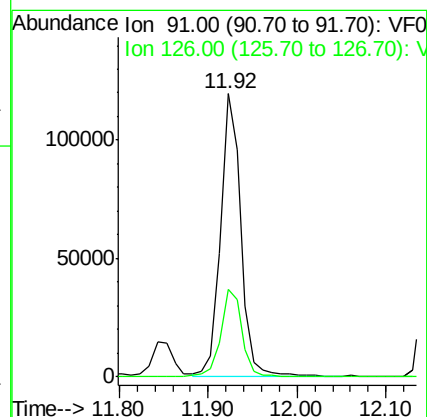
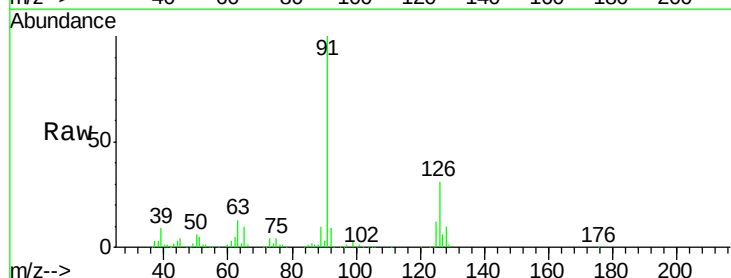
Acq: 24 Jan 2019 12:47

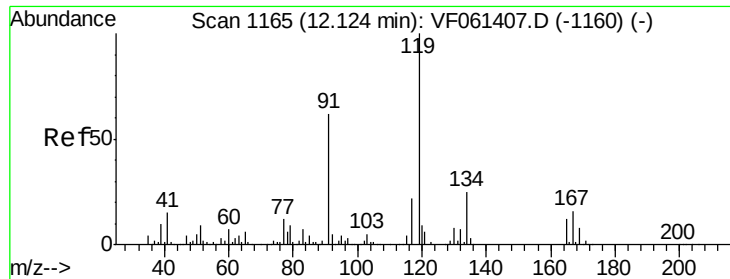
Tgt Ion: 91 Resp: 189504

Ion Ratio Lower Upper

91 100

126 30.8 16.0 47.9

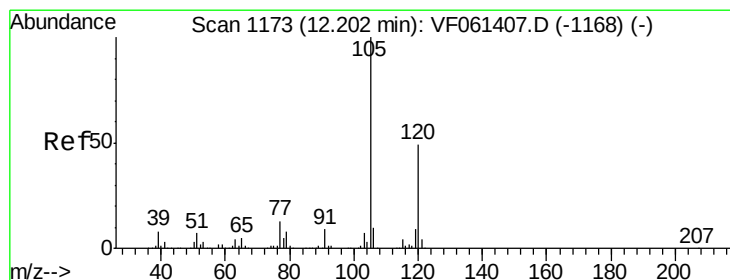
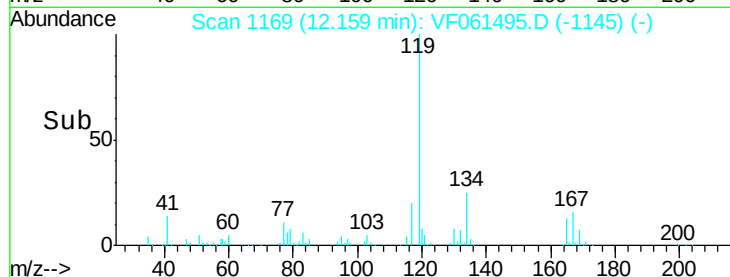
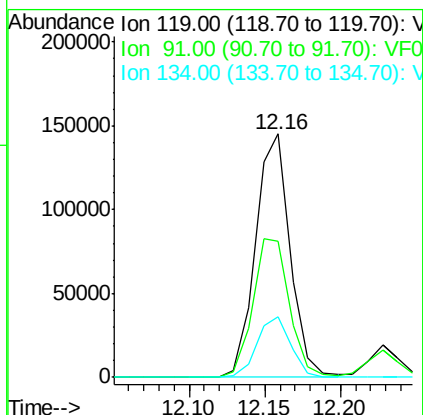
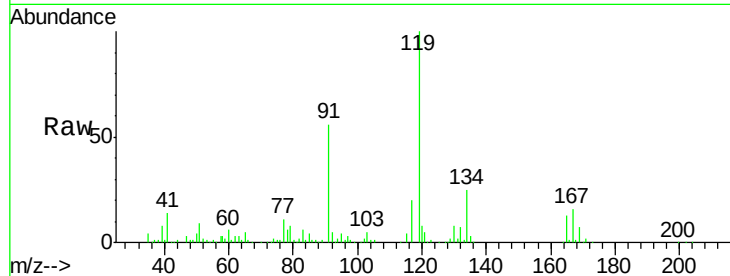




#83
 tert-Butylbenzene
 Concen: 20.993 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.04 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

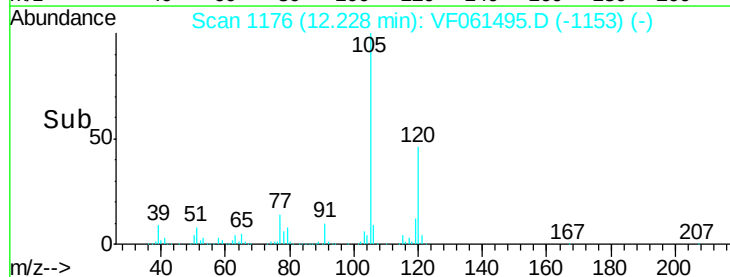
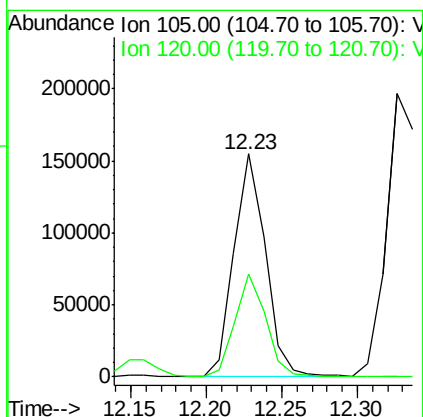
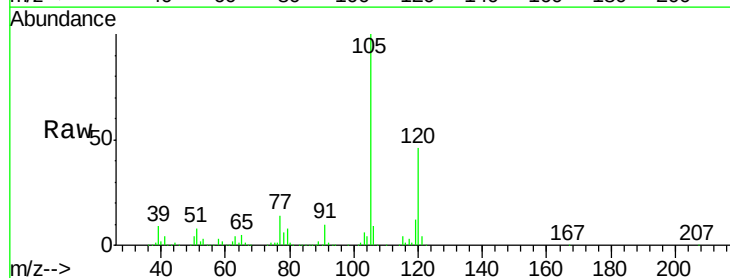
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

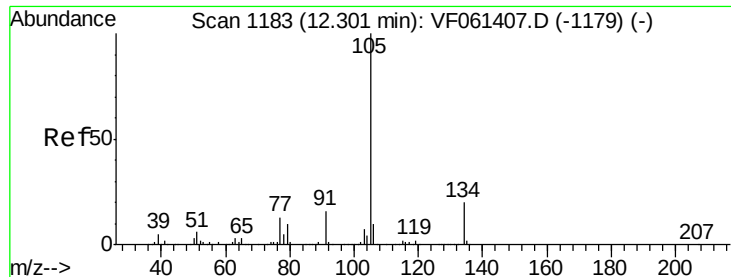
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.1	31.3	93.8
134	24.7	12.4	37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.427 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.03 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.9	74.6





#85

sec-Butylbenzene

Concen: 20.394 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

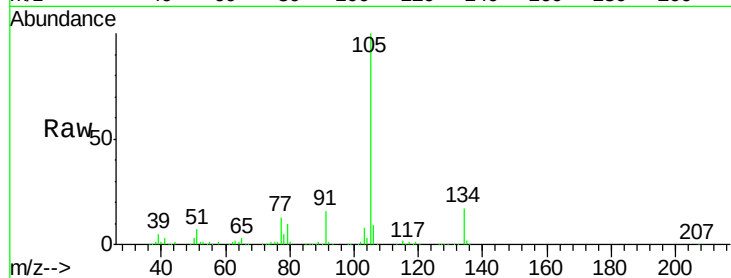
VF0124SBS01

Tot Ion:105 Resp: 305726

Ion Ratio Lower Upper

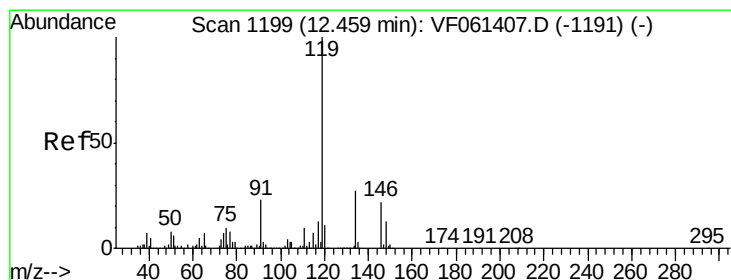
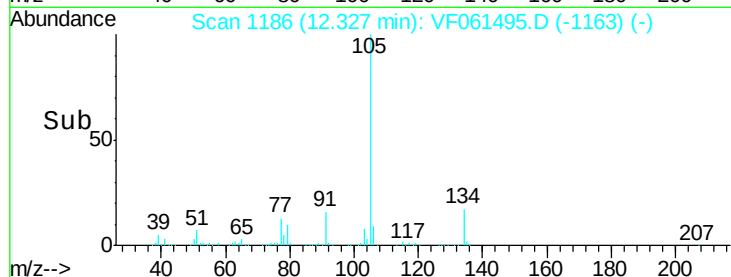
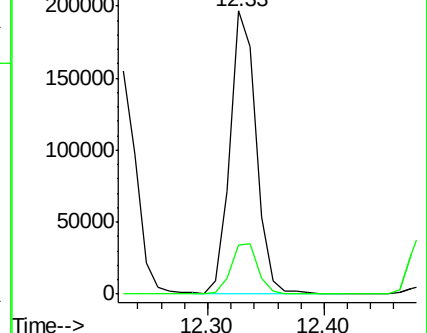
105 100

134 17.2 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.557 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VF061495.D

Acq: 24 Jan 2019 12:47

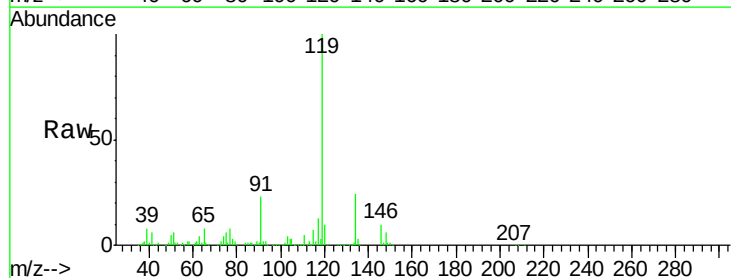
Tgt Ion:119 Resp: 265280

Ion Ratio Lower Upper

119 100

134 24.4 13.4 40.2

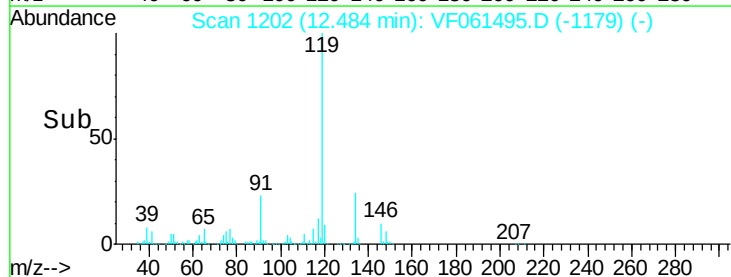
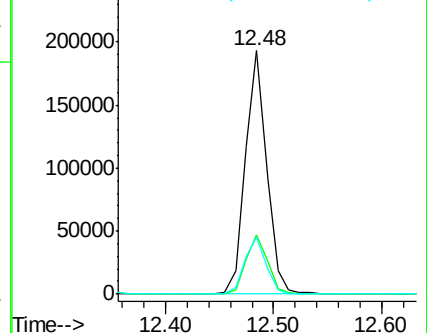
91 23.3 11.4 34.2

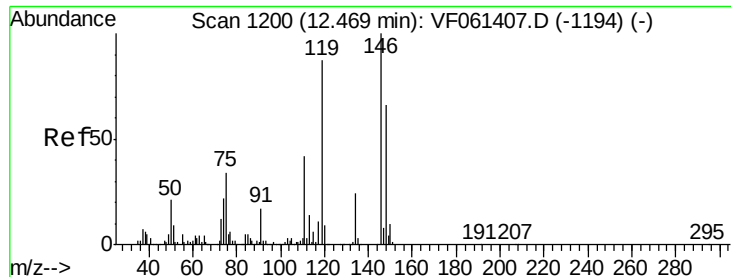


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

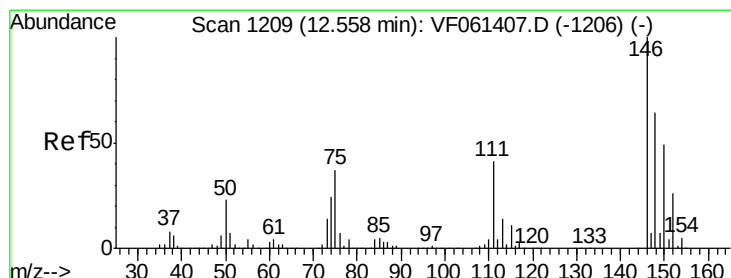
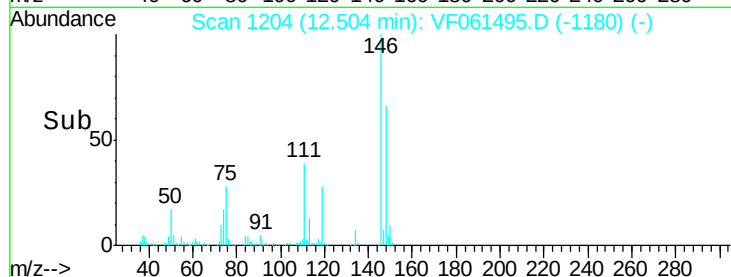
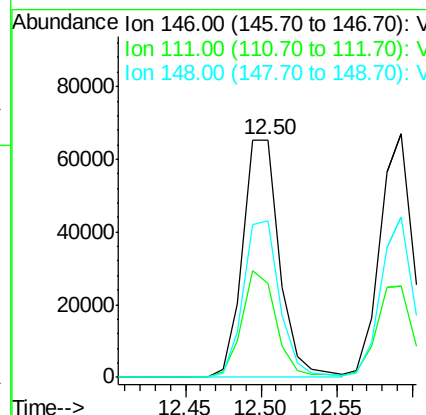
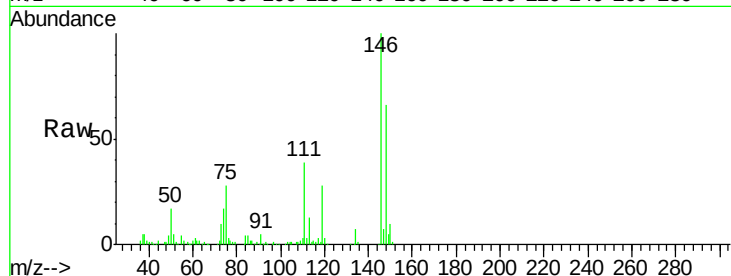




#87
 1,3-Dichlorobenzene
 Concen: 18.924 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. 0.04 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

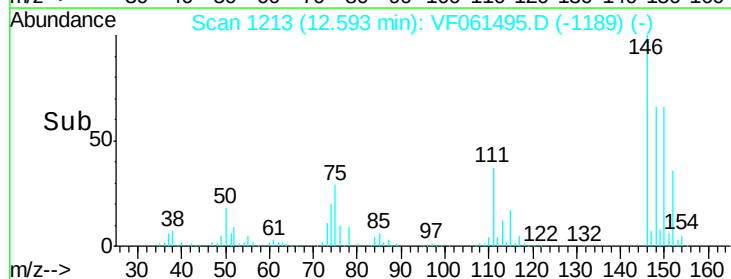
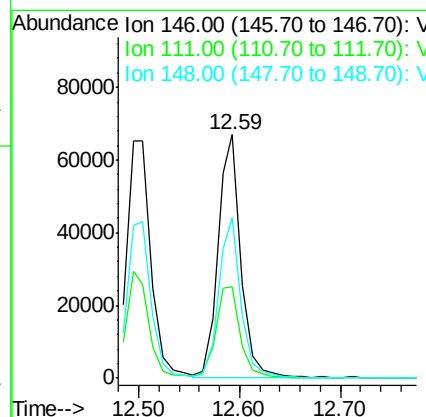
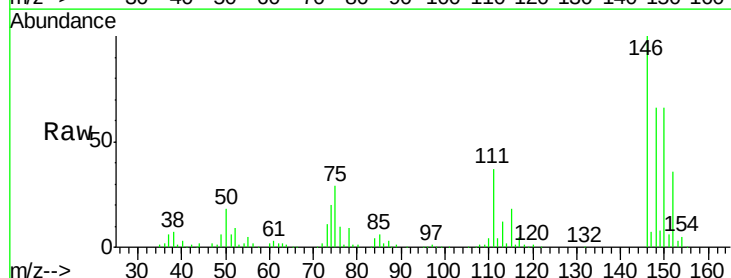
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

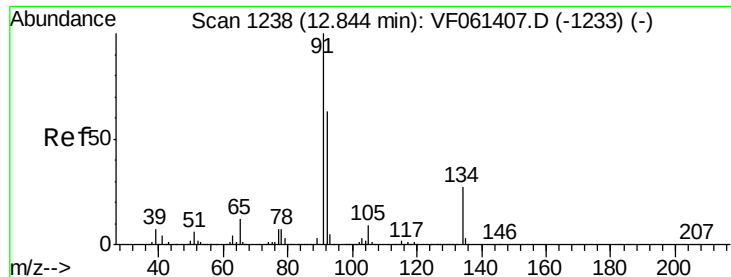
Tot Ion:146 Resp: 111104
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.1 63.4
 148 65.7 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 19.913 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.04 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

Tgt Ion:146 Resp: 105021
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.8 62.2
 148 66.0 32.1 96.5

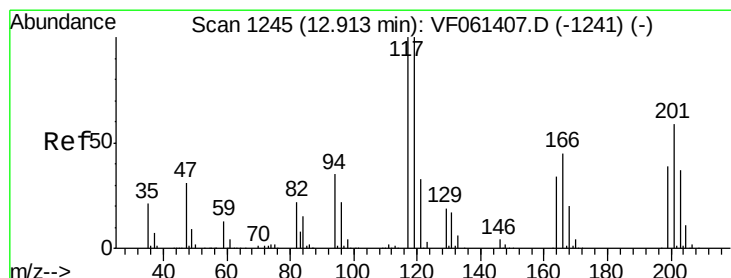
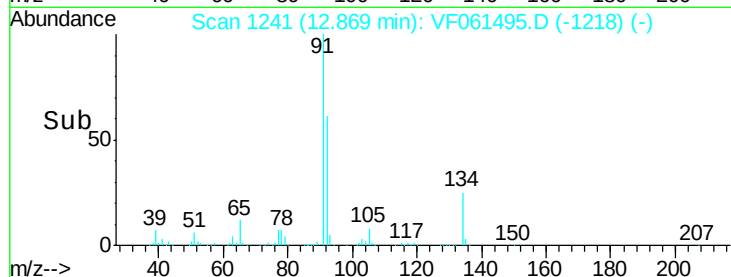
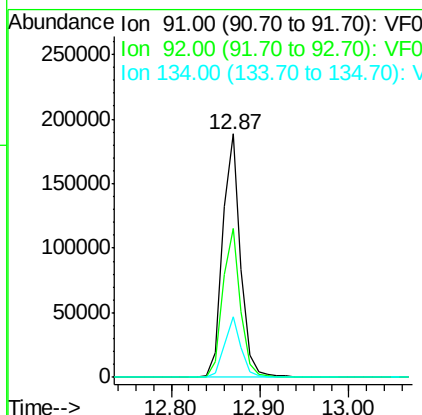
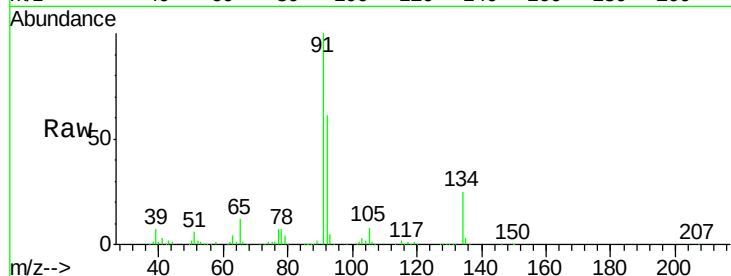




#89
n-Butylbenzene
Concen: 21.109 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

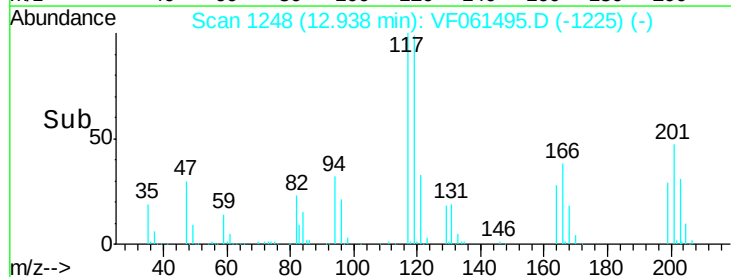
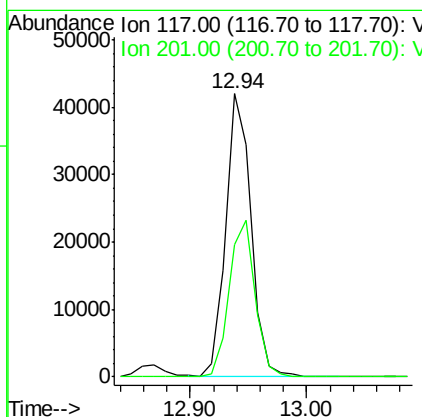
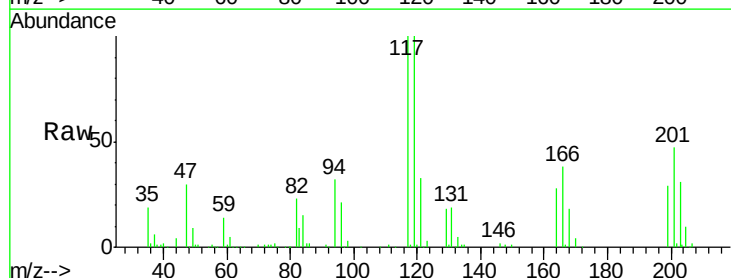
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

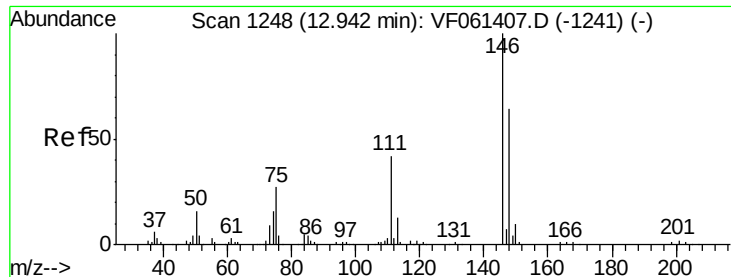
Tot Ion: 91 Resp: 267890
Ion Ratio Lower Upper
91 100
92 60.9 31.6 94.7
134 25.0 13.6 40.8



#90
Hexachloroethane
Concen: 21.759 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.03 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion: 117 Resp: 63119
Ion Ratio Lower Upper
117 100
201 46.9 29.3 87.8

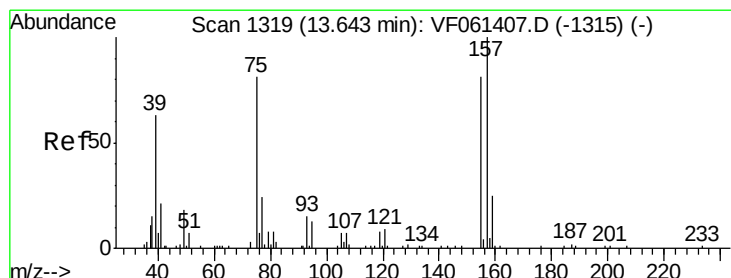
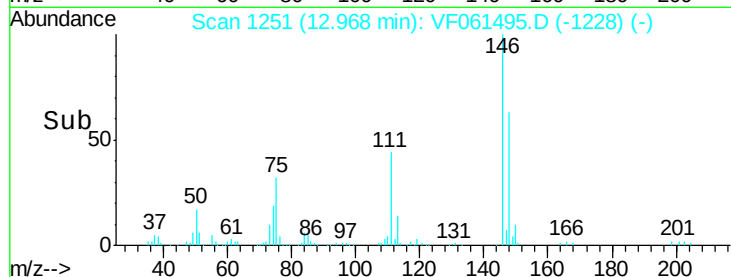
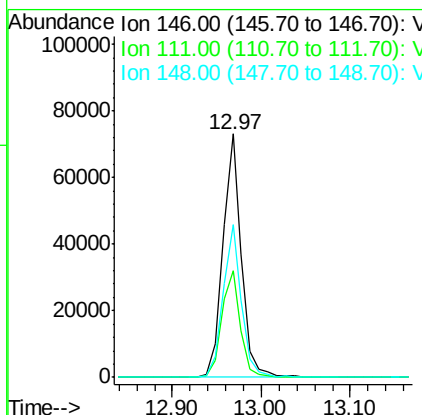
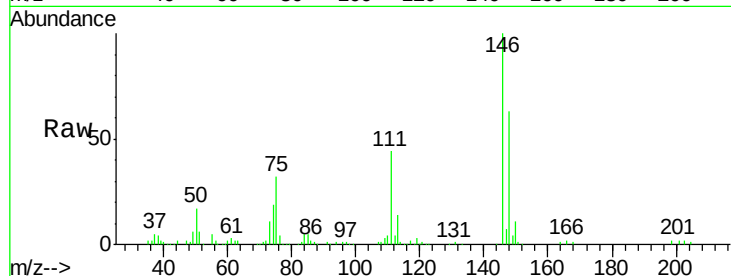




#91
 1,2-Dichlorobenzene
 Concen: 20.510 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. 0.03 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

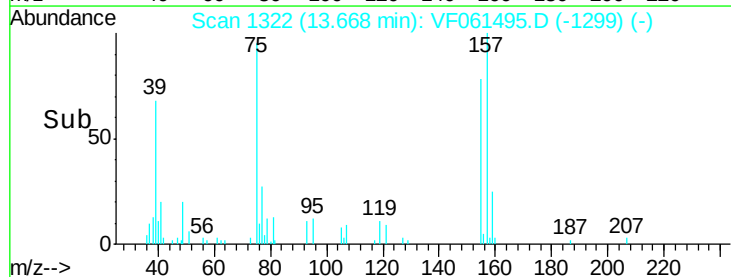
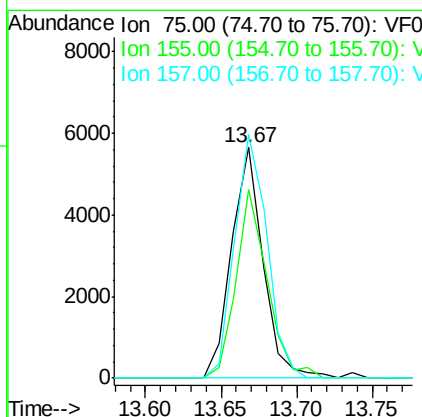
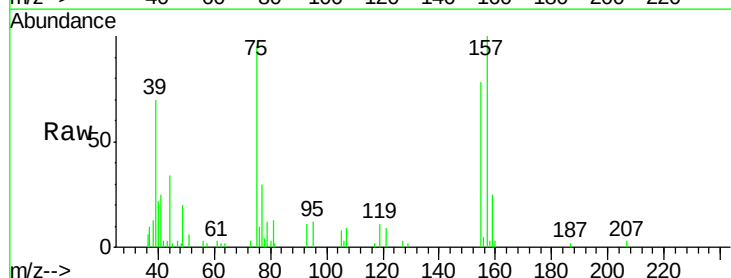
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

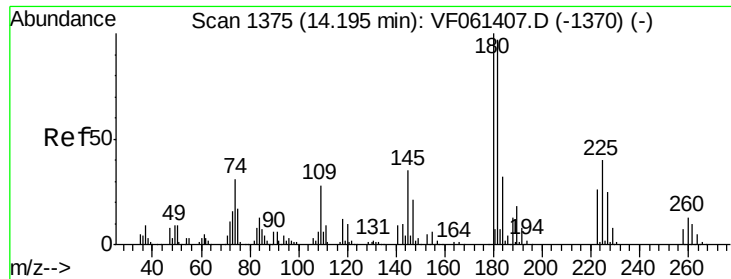
Tot Ion:146 Resp: 107084
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.1 63.3
 148 62.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.625 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. 0.03 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

Tgt Ion: 75 Resp: 8195
 Ion Ratio Lower Upper
 75 100
 155 82.0 49.7 149.1
 157 105.7 61.4 184.1

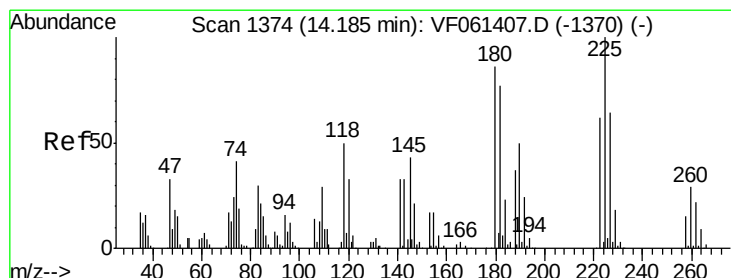
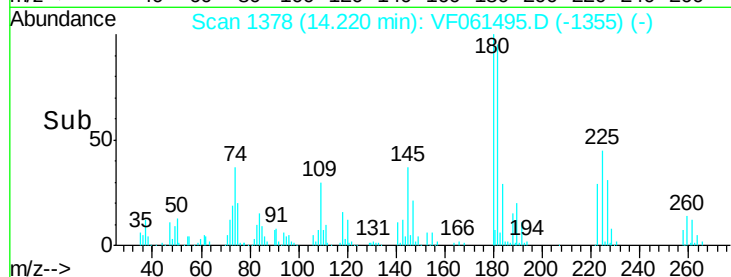
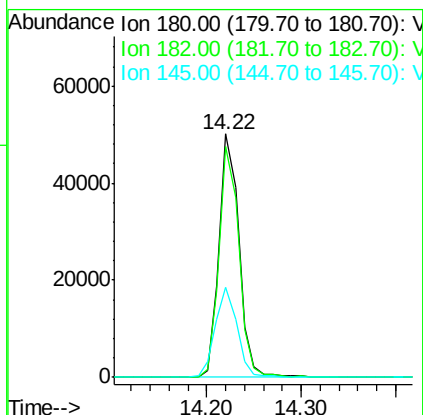
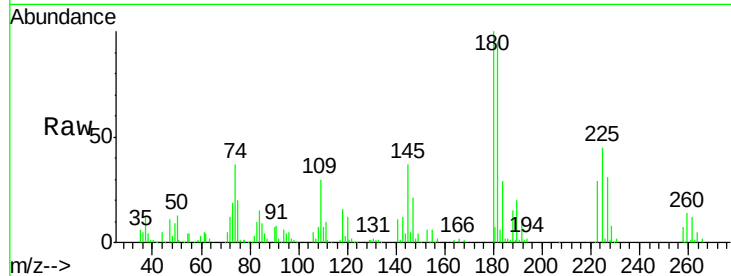




#93
 1,2,4-Trichlorobenzene
 Concen: 20.159 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

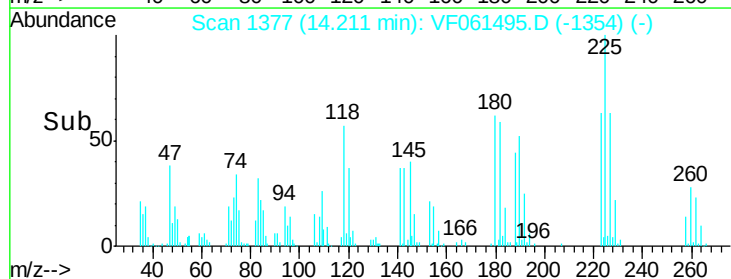
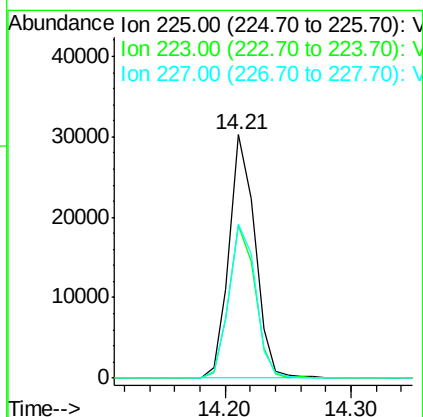
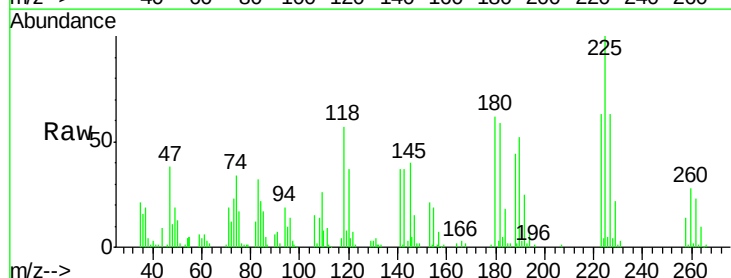
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBSD01

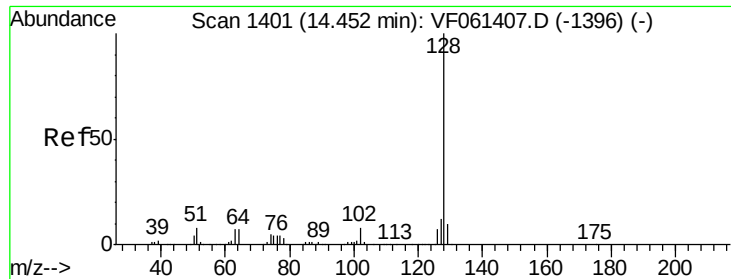
Tot Ion:180 Resp: 73732
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.5 145.6
 145 37.0 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 18.956 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VF061495.D
 Acq: 24 Jan 2019 12:47

Tgt Ion:225 Resp: 43022
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.2
 227 63.1 32.2 96.6

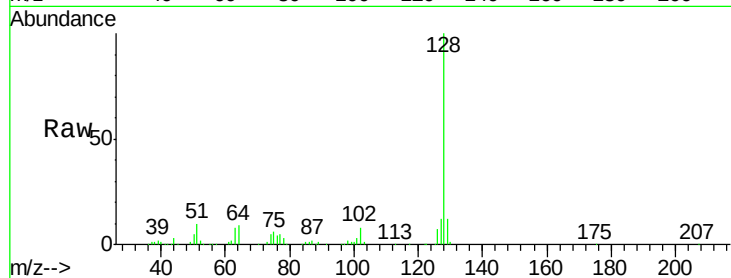




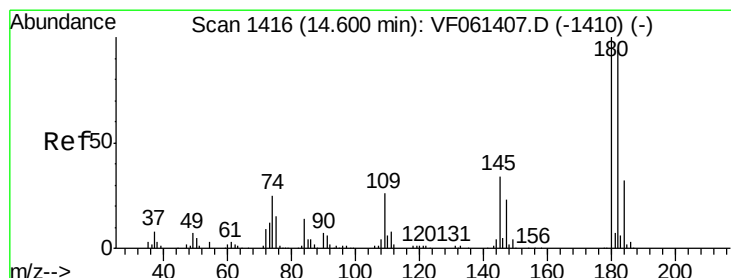
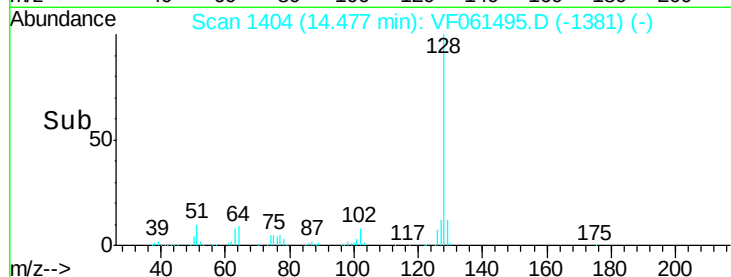
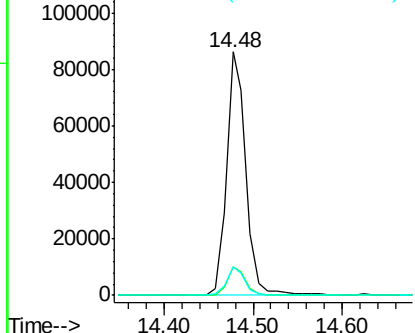
#95
Naphthalene
Concen: 19.020 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion:128 Resp: 132166
Ion Ratio Lower Upper
128 100
127 11.7 9.5 14.3
129 11.5 8.4 12.6

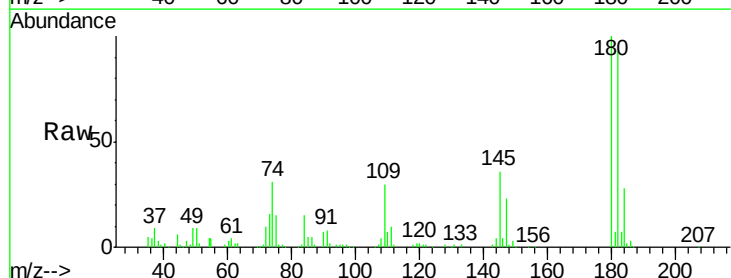


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.278 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. 0.03 min
Lab File: VF061495.D
Acq: 24 Jan 2019 12:47

Tgt Ion:180 Resp: 65269
Ion Ratio Lower Upper
180 100
182 93.5 47.0 141.2
145 36.0 17.1 51.2



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

