

Data File : VF062077.D
Acq On : 22 Mar 2019 11:56
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Quant Time: Mar 23 00:46:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	304102	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	468157	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	400435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	215399	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	42010	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	
35) Dibromofluoromethane	4.15	113	61079	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	
50) Toluene-d8	7.58	98	187602	19.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	39.70%	
62) 4-Bromofluorobenzene	11.44	95	74448	20.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	85658	21.987	ug/l	99
3) Chloromethane	1.11	50	87127	21.374	ug/l	96
4) Vinyl Chloride	1.15	62	78912	20.928	ug/l	98
5) Bromomethane	1.36	94	51188	18.886	ug/l	96
6) Chloroethane	1.41	64	37161	19.578	ug/l	99
7) Trichlorofluoromethane	1.51	101	91584	20.940	ug/l	94
8) Diethyl Ether	1.64	74	21547	20.714	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	63652	20.489	ug/l	96
10) Methyl Iodide	1.93	142	96293	16.623	ug/l	98
11) Tert butyl alcohol	2.59	59	12398	99.618	ug/l #	92
12) 1,1-Dichloroethene	1.81	96	58944	20.108	ug/l	98
13) Acrolein	1.90	56	614	4.093	ug/l	87
14) Allyl chloride	2.12	41	61876	19.771	ug/l	96
15) Acrylonitrile	2.96	53	45007	102.839	ug/l #	83
16) Acetone	2.25	43	46469	97.612	ug/l	98
17) Carbon Disulfide	1.84	76	182297	20.806	ug/l	98
18) Methyl Acetate	2.36	43	25135	22.288	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	91561	19.763	ug/l	100
20) Methylene Chloride	2.20	84	20056	6.306	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	48062	17.642	ug/l	98
22) Diisopropyl ether	2.83	45	165450	20.164	ug/l	97
23) Vinyl Acetate	3.21	43	354974	105.662	ug/l	97
24) 1,1-Dichloroethane	2.90	63	97588	19.833	ug/l	99
25) 2-Butanone	4.37	43	98232	98.841	ug/l	95
26) 2,2-Dichloropropane	3.63	77	40229	20.164	ug/l	93
27) cis-1,2-Dichloroethene	3.50	96	79550	21.285	ug/l	98
28) Bromochloromethane	3.74	49	41544	20.664	ug/l	98
29) Tetrahydrofuran	4.11	42	45006	104.155	ug/l	96
30) Chloroform	3.89	83	104823	20.158	ug/l	100
31) Cyclohexane	3.72	56	57581	11.924	ug/l	97
32) 1,1,1-Trichloroethane	4.13	97	57544	18.191	ug/l	92
36) 1,1-Dichloropropene	4.32	75	89605	20.094	ug/l	94
37) Ethyl Acetate	4.15	43	36656	18.810	ug/l	97
38) Carbon Tetrachloride	4.02	117	60163	19.795	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	89016	17.200	ug/l	99
40) Benzene	4.66	78	241372	20.191	ug/l	99
41) Methacrylonitrile	4.78	41	20810	20.182	ug/l	91
42) 1,2-Dichloroethane	4.98	62	58021	20.525	ug/l	99
43) Isopropyl Acetate	6.99	43	46285	19.612	ug/l #	96
44) Trichloroethene	5.53	130	71133	19.463	ug/l	98
45) 1,2-Dichloropropane	6.26	63	59087	20.724	ug/l	97
46) Dibromomethane	6.11	93	34081	19.550	ug/l	89
47) Bromodichloromethane	6.42	83	76978	19.935	ug/l	98
48) Methyl methacrylate	6.74	41	27379	20.375	ug/l	97
49) 1,4-Dioxane	6.73	88	4722	400.470	ug/l	96
51) 4-Methyl-2-Pentanone	8.29	43	163506	103.509	ug/l	99
52) Toluene	7.65	92	138875	20.057	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	61046	20.139	ug/l	98
54) cis-1,3-Dichloropropene	7.33	75	86665	19.981	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	39245	19.955	ug/l	98
56) Ethyl methacrylate	8.64	69	48450	20.656	ug/l	88
57) 1,3-Dichloropropane	8.88	76	66647	20.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	35321	99.239	ug/l	99
59) 2-Hexanone	9.52	43	123376	106.567	ug/l	96
60) Dibromochloromethane	8.74	129	56342	20.607	ug/l	93
61) 1,2-Dibromoethane	9.01	107	42923	20.457	ug/l	98
64) Tetrachloroethene	8.18	164	61529	19.889	ug/l	90
65) Chlorobenzene	9.83	112	150316	20.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	59257	19.689	ug/l	97
67) Ethyl Benzene	9.93	91	262302	20.131	ug/l	98
68) m/p-Xylenes	10.16	106	201975	41.473	ug/l	97
69) o-Xylene	10.74	106	106106	20.802	ug/l	98
70) Styrene	10.81	104	161501	20.897	ug/l	98
71) Bromoform	10.79	173	32189	20.911	ug/l	97
73) Isopropylbenzene	11.15	105	304316	20.078	ug/l	99
74) N-amyl acetate	11.40	43	73167	20.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	50446	19.384	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	37027	20.217	ug/l	91
77) Bromobenzene	11.51	156	75617	20.420	ug/l	84
78) n-propylbenzene	11.61	91	365956	20.793	ug/l	96
79) 2-Chlorotoluene	11.74	91	192660	19.695	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	249259	19.993	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.89	75	19719	19.963	ug/l	90
82) 4-Chlorotoluene	11.92	91	195133	19.455	ug/l	96
83) tert-Butylbenzene	12.15	119	267375	20.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	237967	19.471	ug/l	99
85) sec-Butylbenzene	12.32	105	329274	19.503	ug/l	97
86) p-Isopropyltoluene	12.48	119	283373	19.373	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	137688	20.013	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	132234	19.697	ug/l	99
89) n-Butylbenzene	12.87	91	290236	20.798	ug/l	96
90) Hexachloroethane	12.93	117	68507	19.669	ug/l	99
91) 1,2-Dichlorobenzene	12.96	146	129528	20.050	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7947	20.154	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032219\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	88344	19.622	ug/l	99
94) Hexachlorobutadiene	14.21	225	58006	19.376	ug/l	98
95) Naphthalene	14.47	128	152253	19.297	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	81581	19.357	ug/l	99

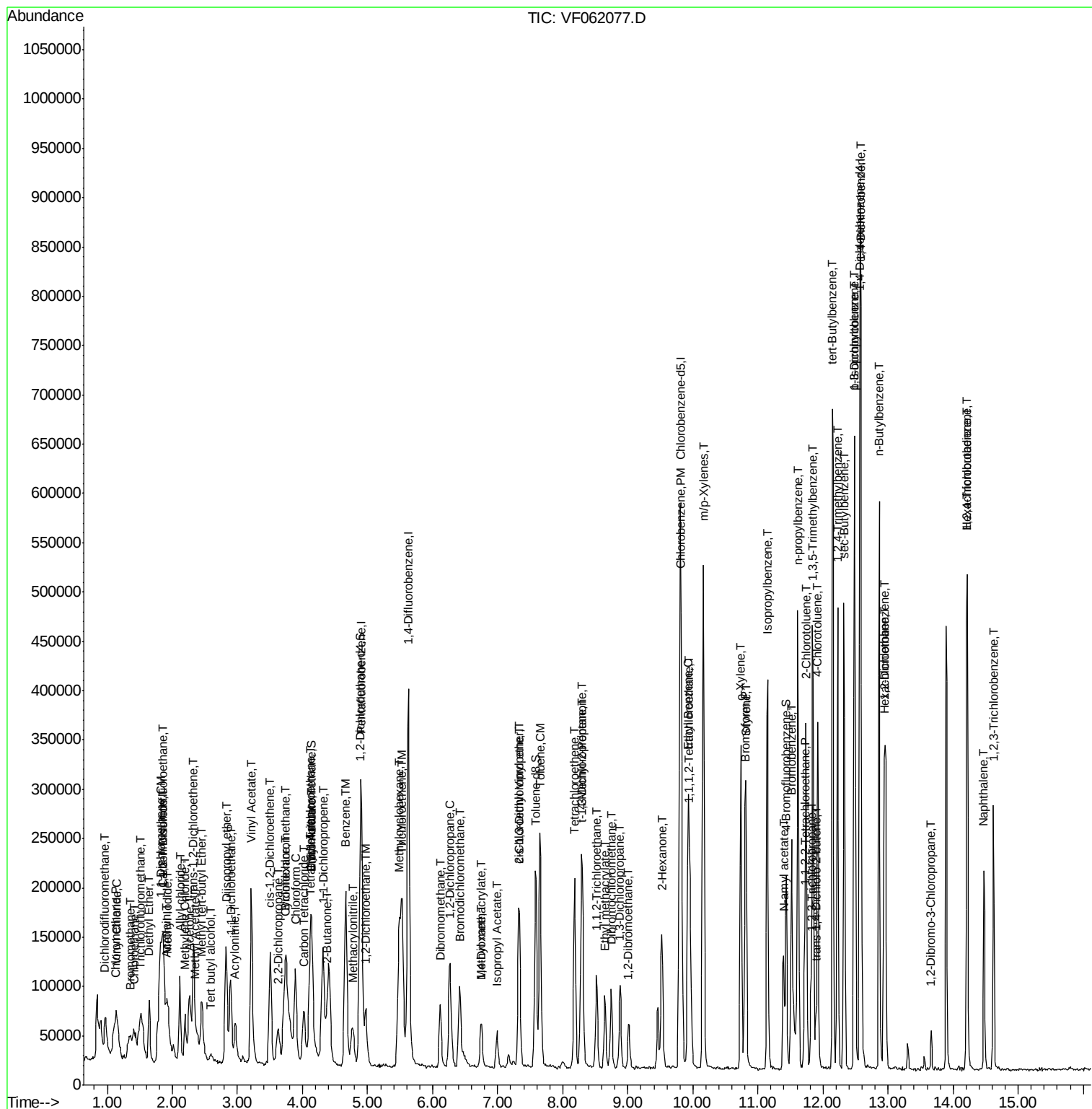
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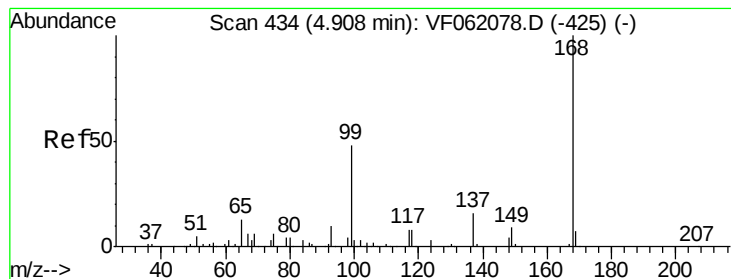
Data File : VF062077.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

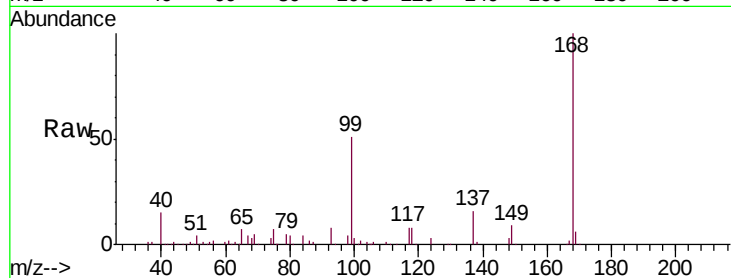
VSTDIC020

Tgt Ion:168 Resp: 304102

Ion Ratio Lower Upper

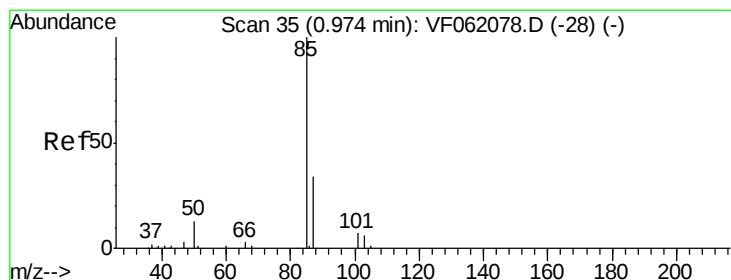
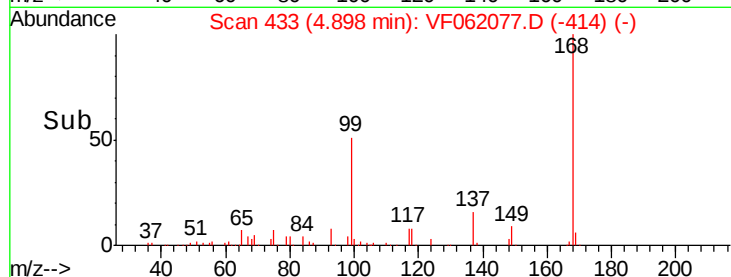
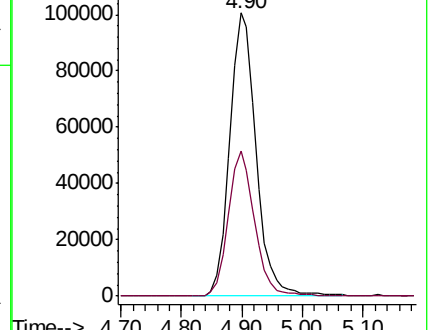
168 100

99 51.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.987 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF062077.D

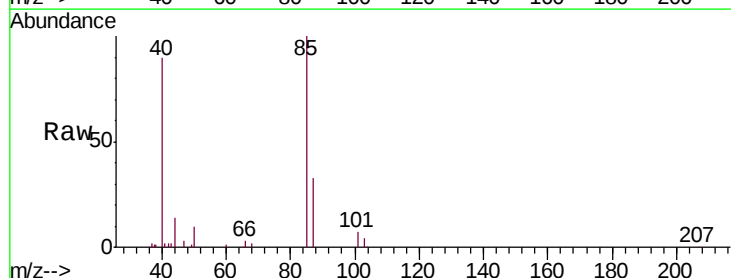
Acq: 22 Mar 2019 11:56

Tgt Ion: 85 Resp: 85658

Ion Ratio Lower Upper

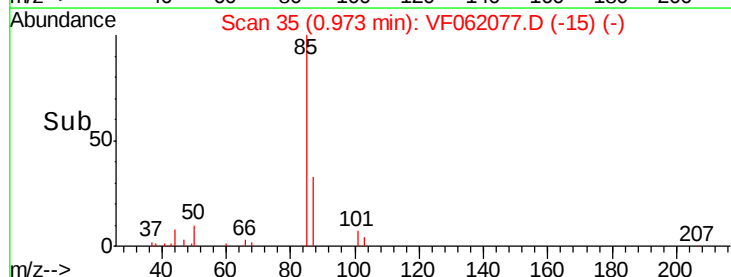
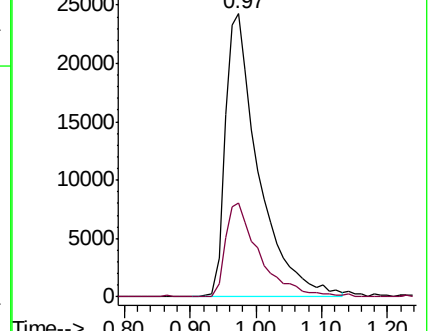
85 100

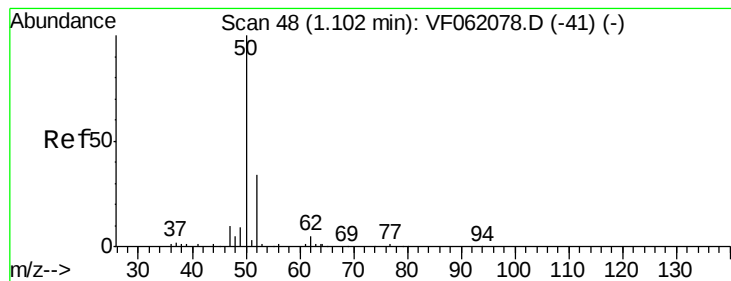
87 33.3 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.374 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

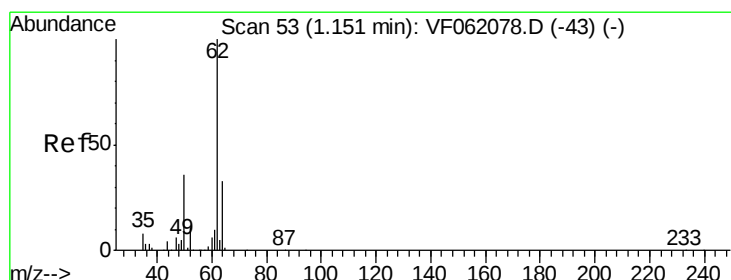
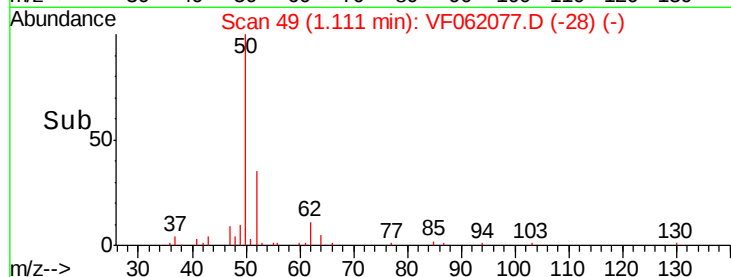
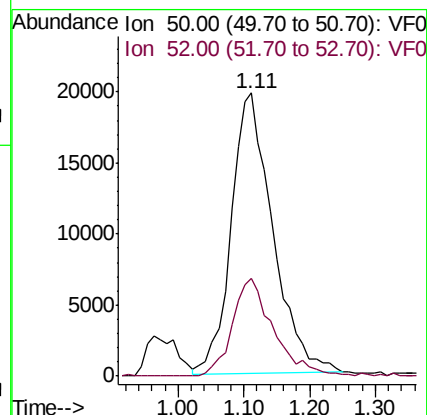
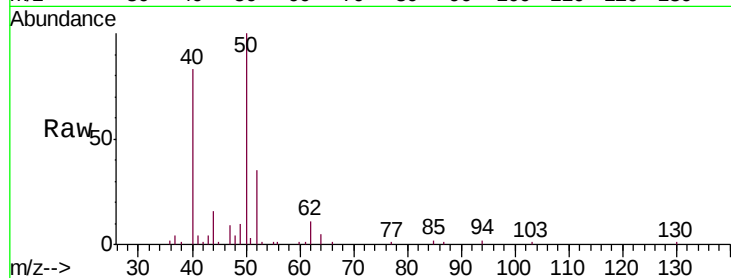
VSTDIC020

Tgt Ion: 50 Resp: 87127

Ion Ratio Lower Upper

50 100

52 34.8 26.1 39.1



#4

Vinyl Chloride

Concen: 20.928 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF062077.D

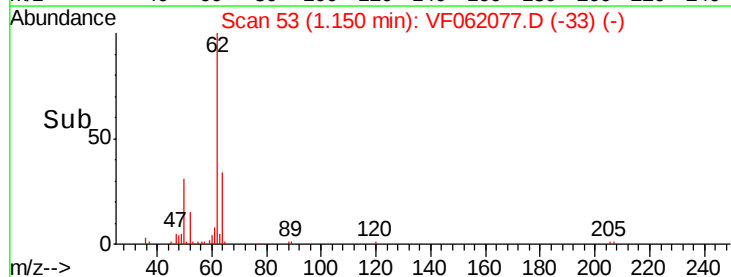
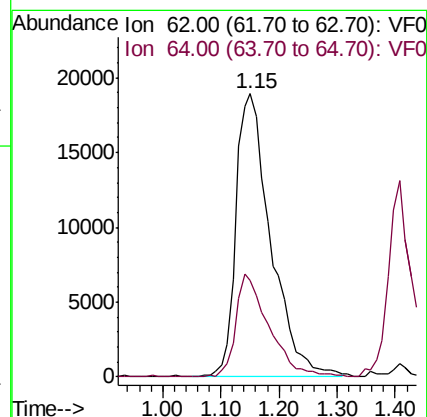
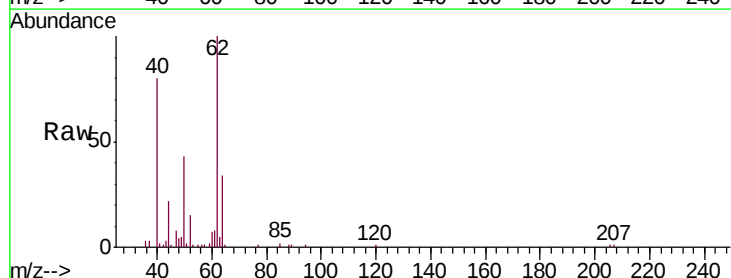
Acq: 22 Mar 2019 11:56

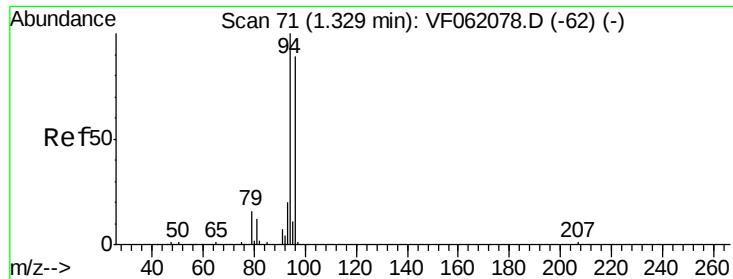
Tgt Ion: 62 Resp: 78912

Ion Ratio Lower Upper

62 100

64 33.9 26.2 39.2





#5

Bromomethane

Concen: 18.886 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.03 min

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ClientSampleId :

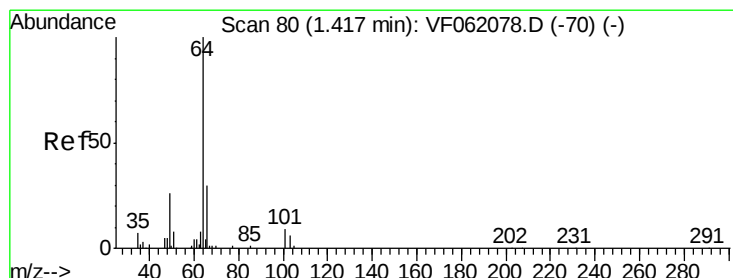
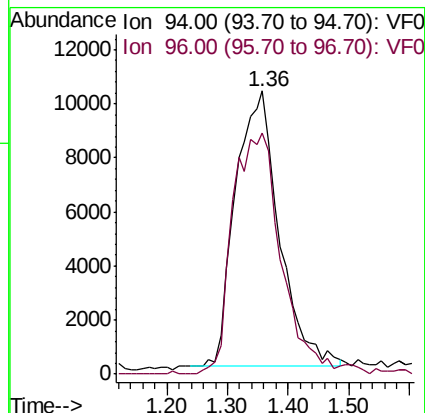
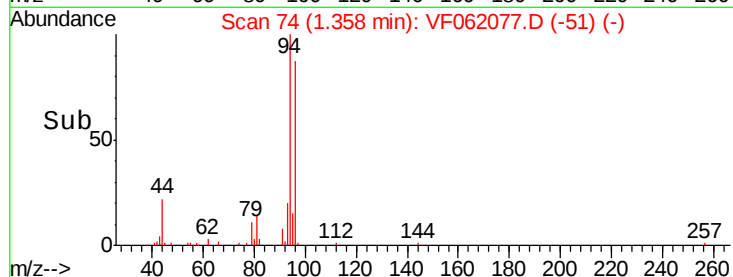
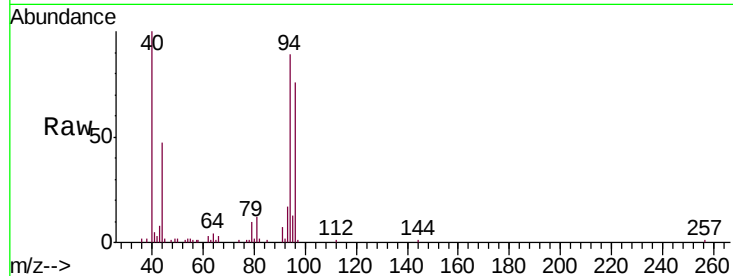
VSTDIC020

Tgt Ion: 94 Resp: 51188

Ion Ratio Lower Upper

94 100

96 85.3 70.9 106.3



#6

Chloroethane

Concen: 19.578 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062077.D

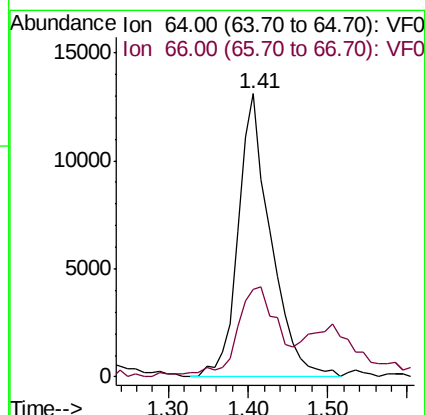
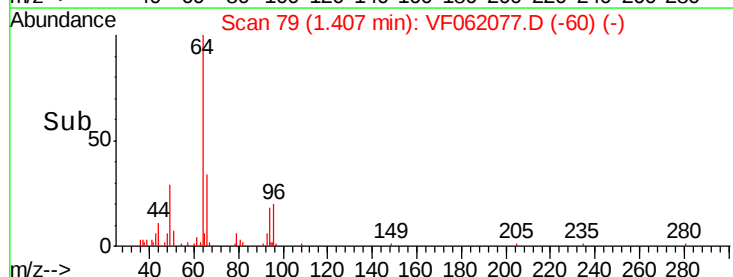
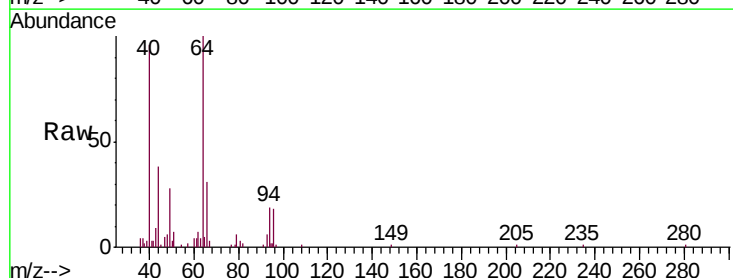
Acq: 22 Mar 2019 11:56

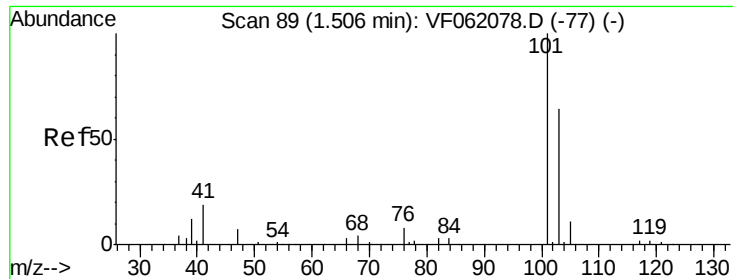
Tgt Ion: 64 Resp: 37161

Ion Ratio Lower Upper

64 100

66 31.2 24.5 36.7





#7

Trichlorofluoromethane

Concen: 20.940 ug/l

RT: 1.51 min Scan# 89

Delta R.T. -0.00 min

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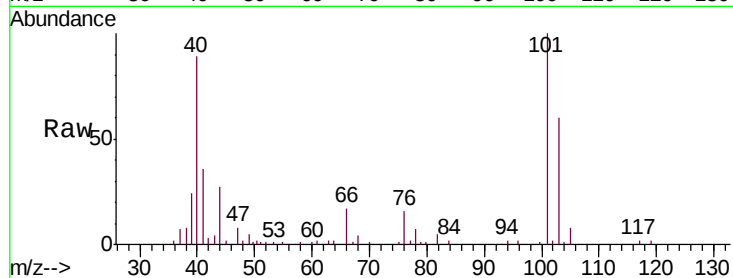
VSTDIC020

Tgt Ion:101 Resp: 91584

Ion Ratio Lower Upper

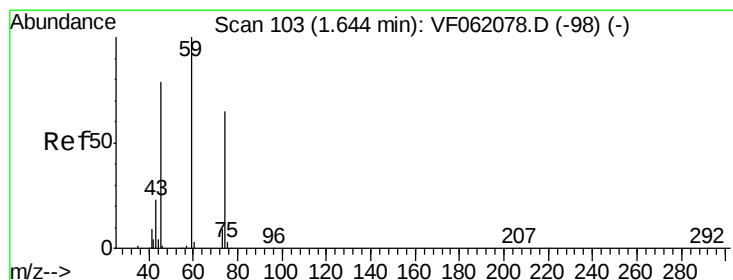
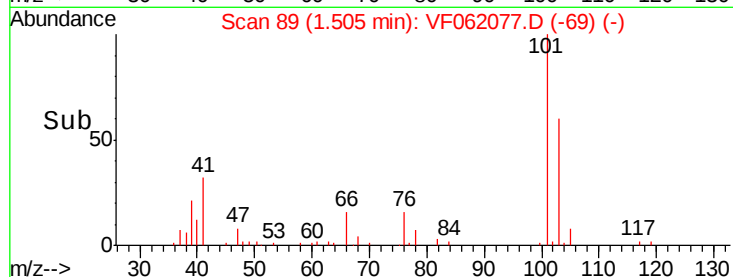
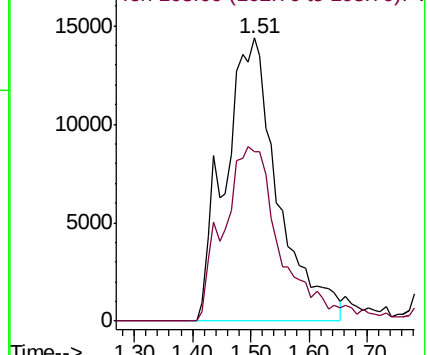
101 100

103 59.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.714 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062077.D

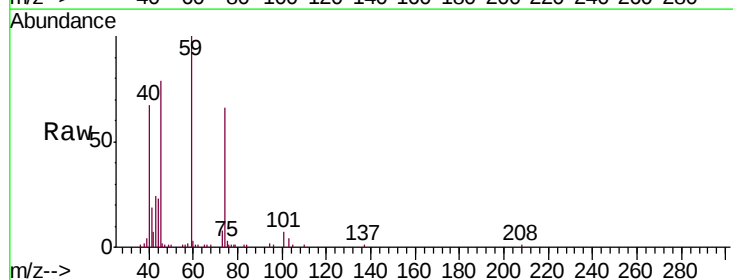
Acq: 22 Mar 2019 11:56

Tgt Ion: 74 Resp: 21547

Ion Ratio Lower Upper

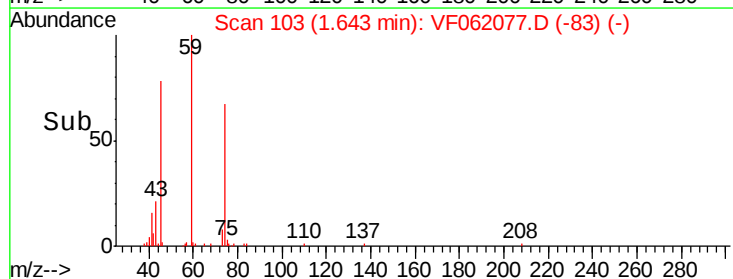
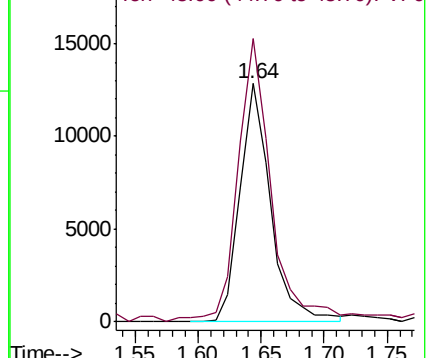
74 100

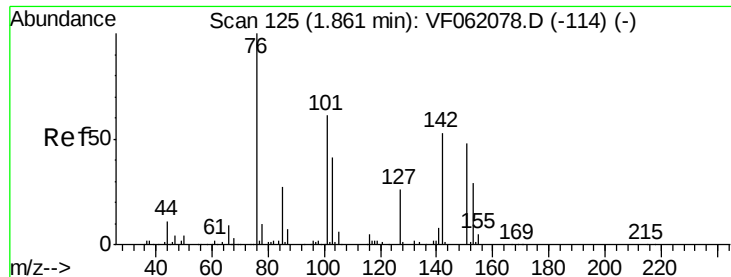
45 118.9 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.489 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.01 min

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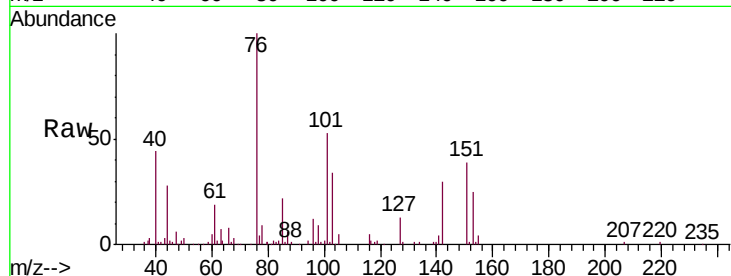
Tgt Ion:101 Resp: 63652

Ion Ratio Lower Upper

101 100

85 41.7 34.6 52.0

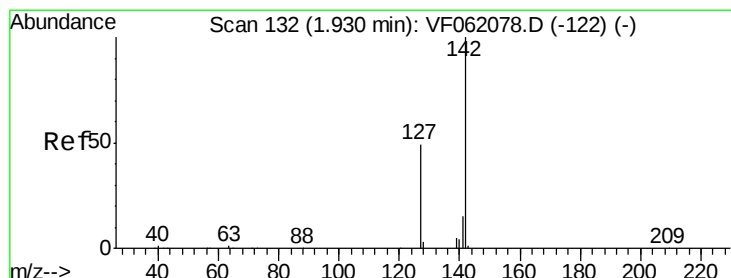
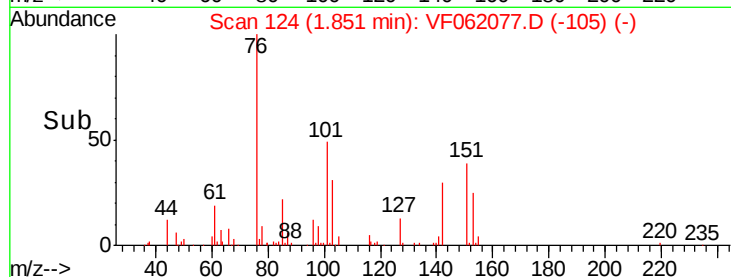
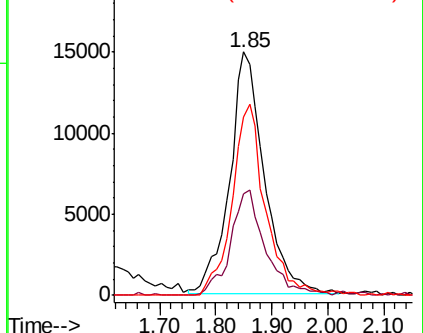
151 73.1 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.623 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

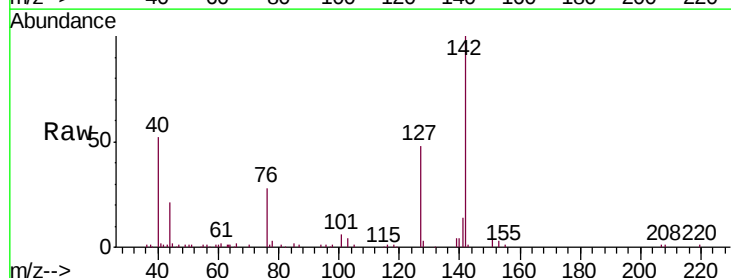
Tgt Ion:142 Resp: 96293

Ion Ratio Lower Upper

142 100

127 48.0 39.1 58.7

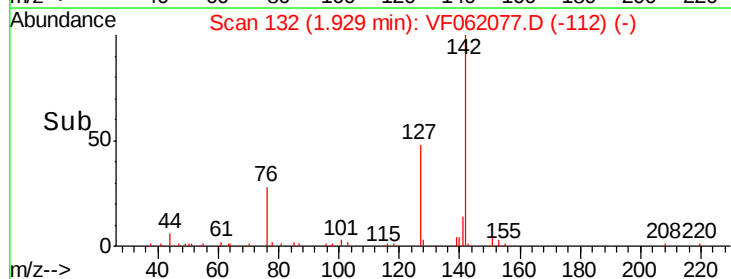
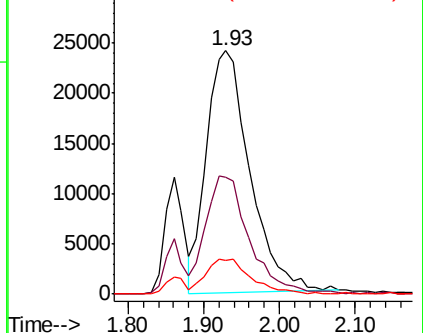
141 13.8 12.2 18.4

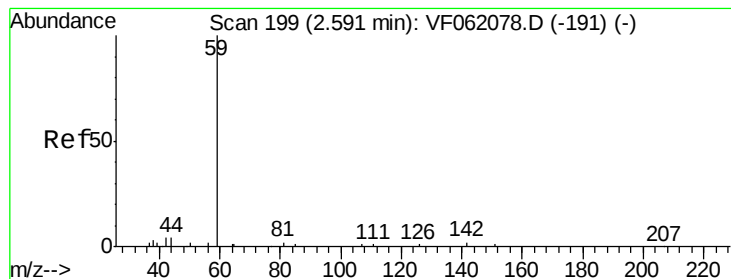


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 99.618 ug/l

RT: 2.59 min Scan# 199

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

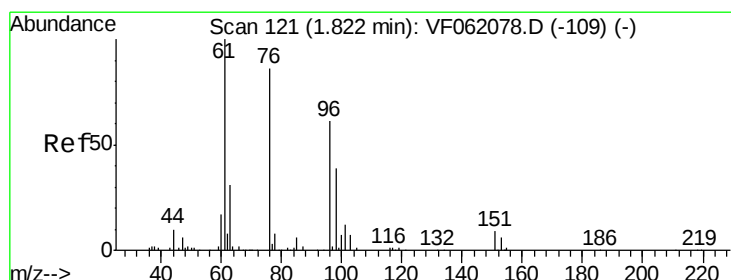
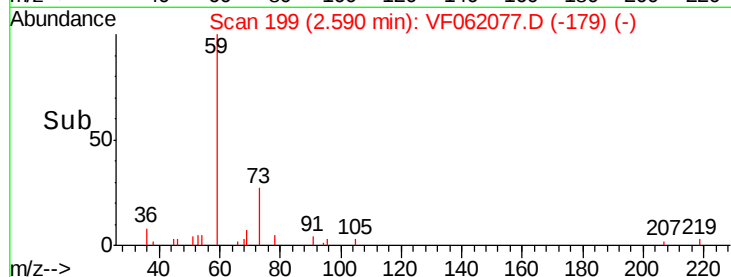
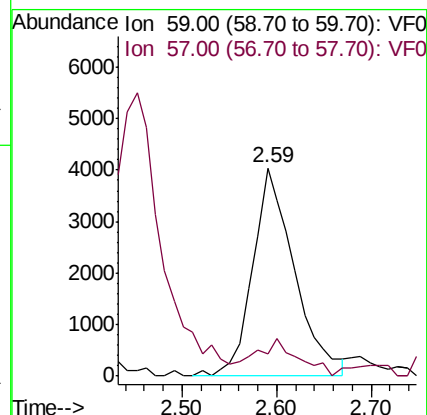
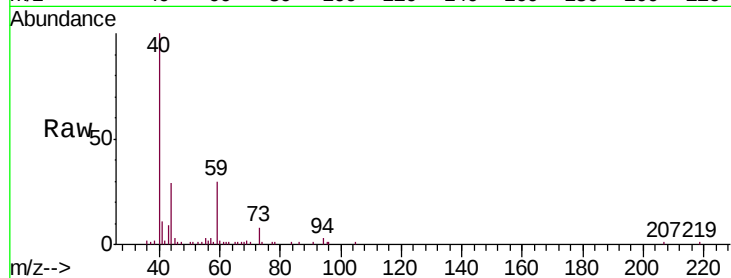
VSTDIC020

Tgt Ion: 59 Resp: 12398

Ion Ratio Lower Upper

59 100

57 10.5 11.0 16.4#



#12

1,1-Dichloroethene

Concen: 20.108 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

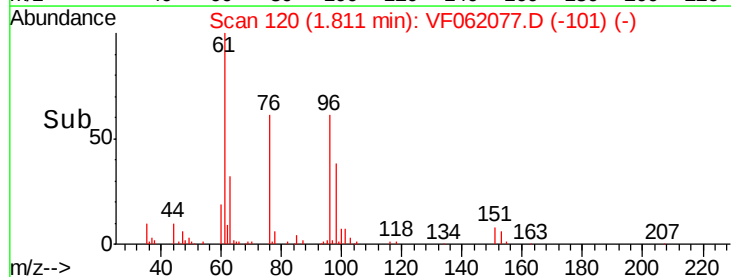
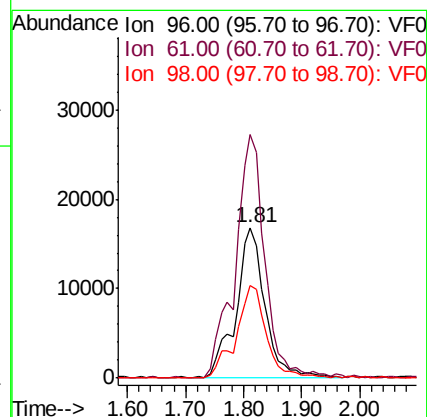
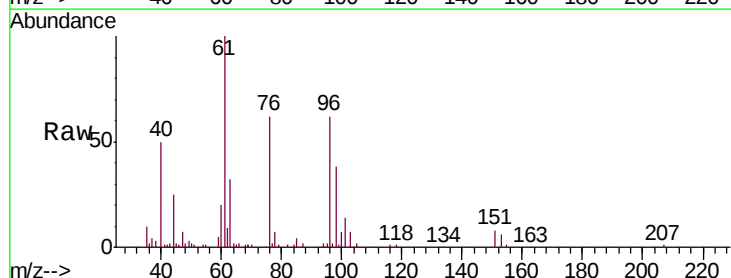
Tgt Ion: 96 Resp: 58944

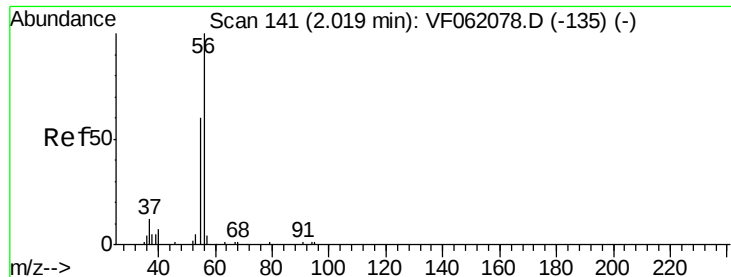
Ion Ratio Lower Upper

96 100

61 161.6 131.0 196.6

98 61.2 51.5 77.3





#13

Acrolein

Concen: 4.093 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.12 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

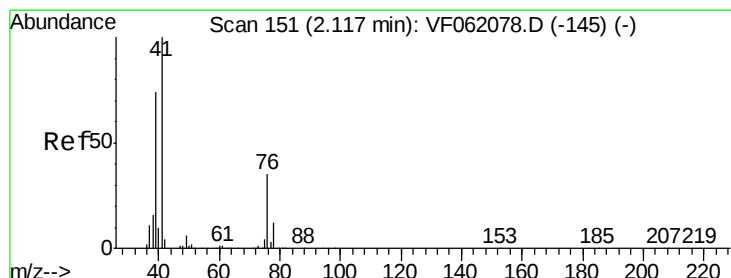
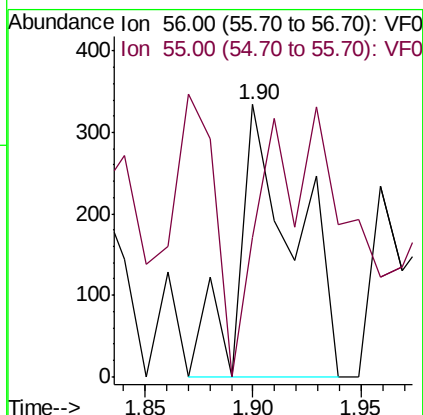
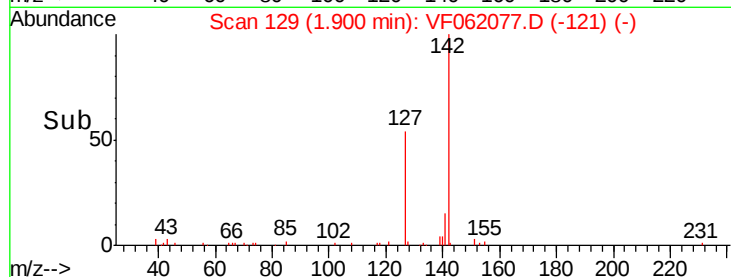
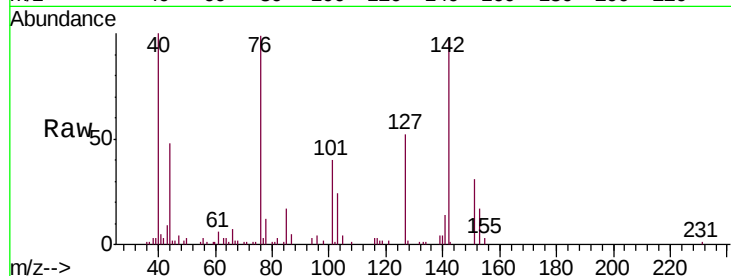
VSTDIC020

Tgt Ion: 56 Resp: 614

Ion Ratio Lower Upper

56 100

55 51.2 49.0 73.4



#14

Allyl chloride

Concen: 19.771 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

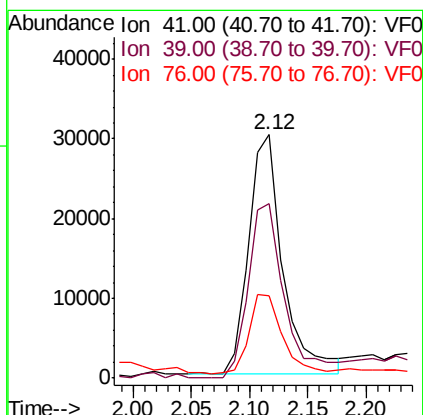
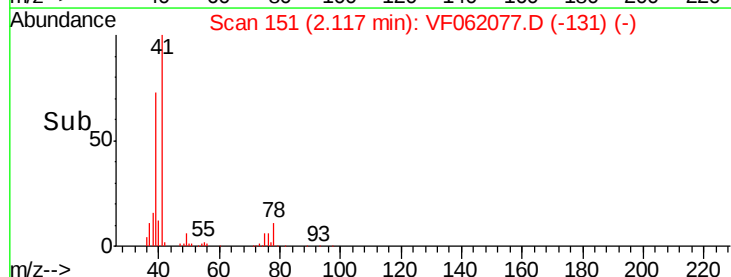
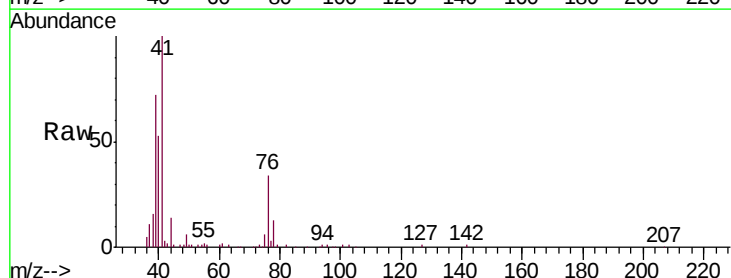
Tgt Ion: 41 Resp: 61876

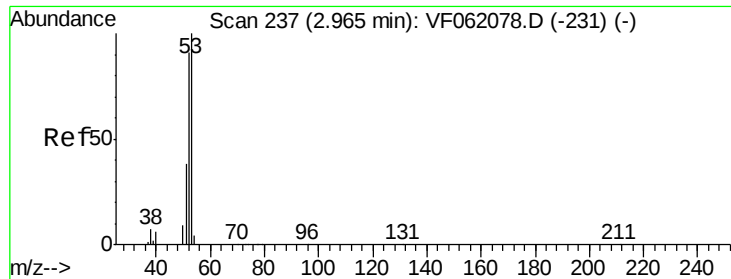
Ion Ratio Lower Upper

41 100

39 71.7 59.8 89.8

76 34.0 30.0 45.0

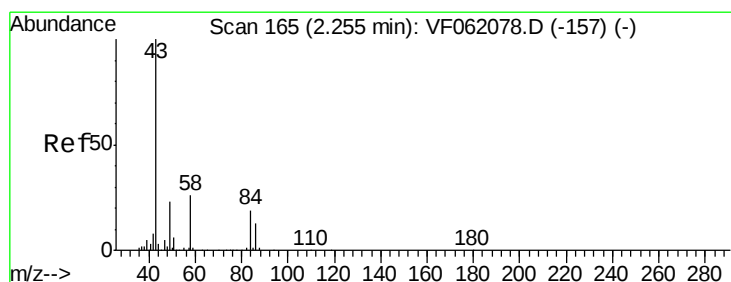
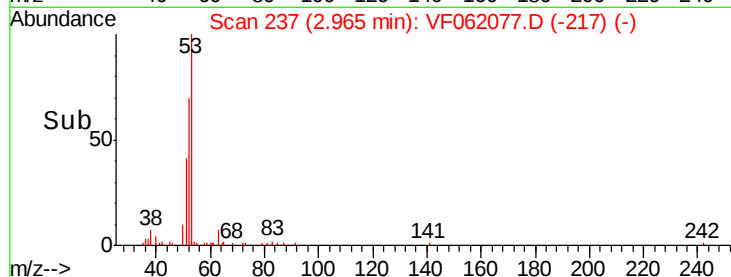
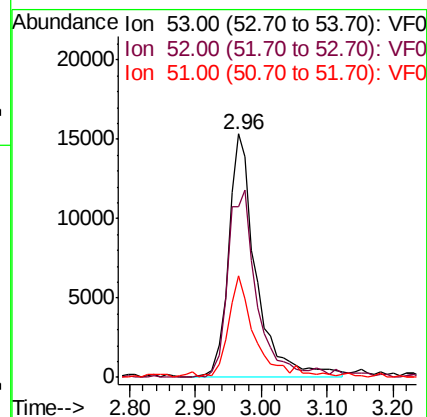
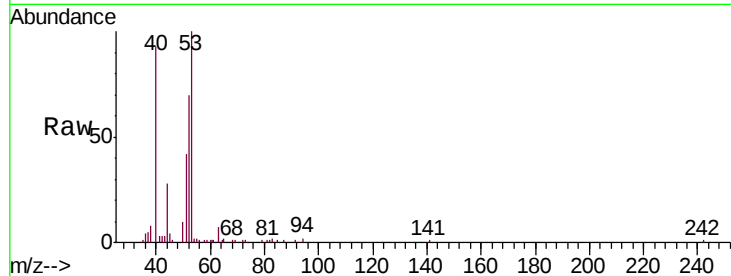




#15
 Acrylonitrile
 Concen: 102.839 ug/l
 RT: 2.96 min Scan# 237
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

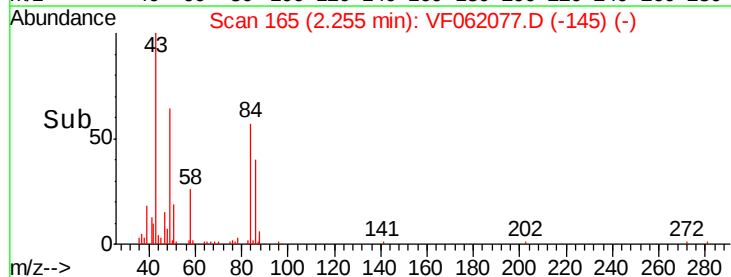
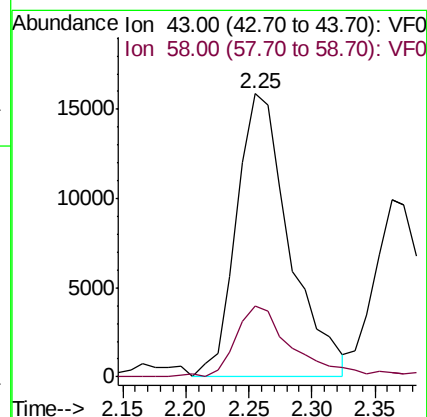
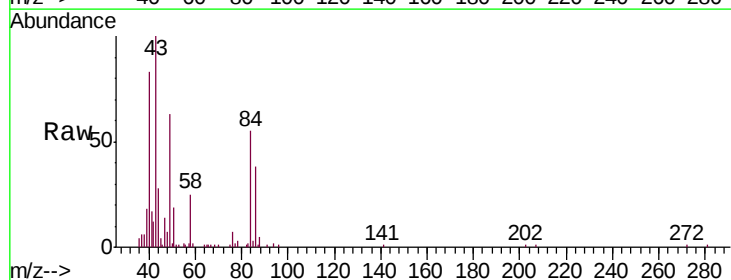
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

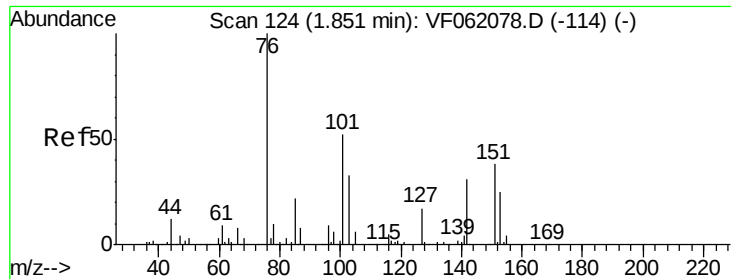
Tgt Ion: 53 Resp: 45007
 Ion Ratio Lower Upper
 53 100
 52 70.0 72.3 108.5#
 51 41.9 30.4 45.6



#16
 Acetone
 Concen: 97.612 ug/l
 RT: 2.25 min Scan# 165
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 43 Resp: 46469
 Ion Ratio Lower Upper
 43 100
 58 25.2 20.8 31.2

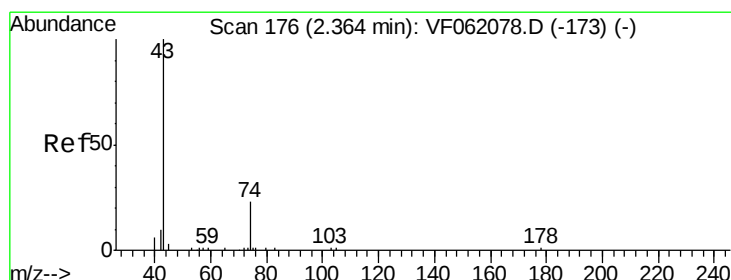
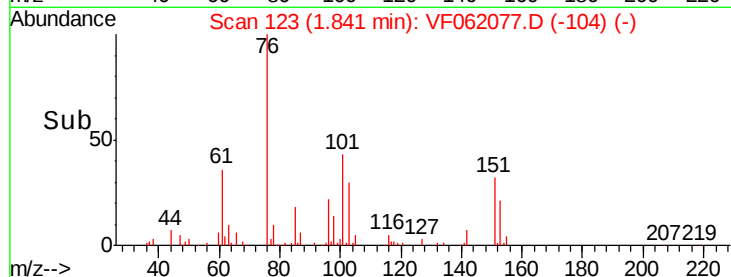
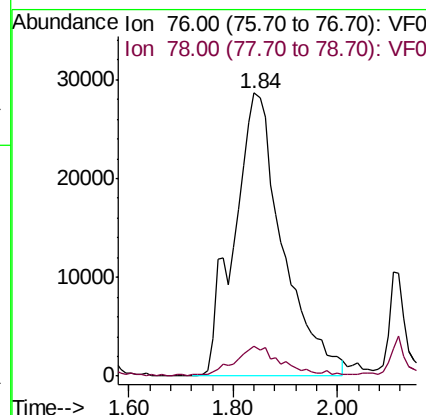
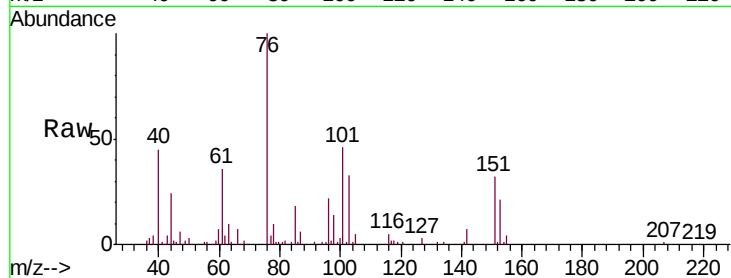




#17
Carbon Disulfide
Concen: 20.806 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

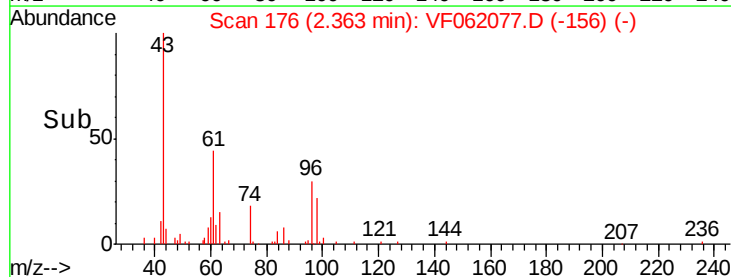
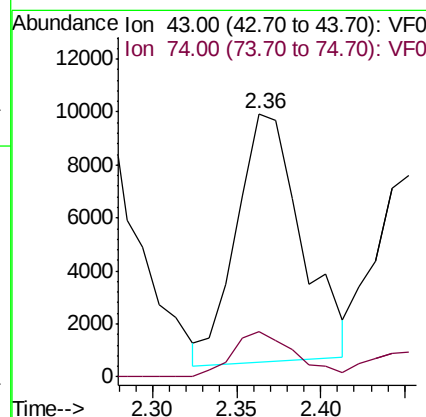
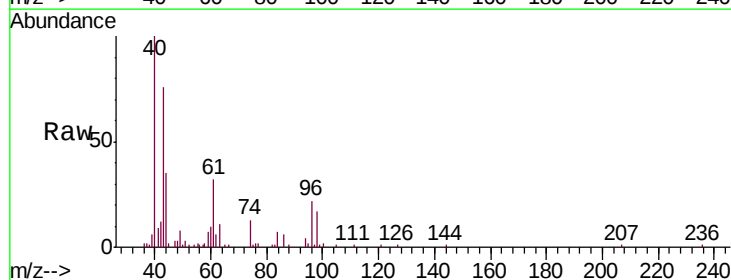
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

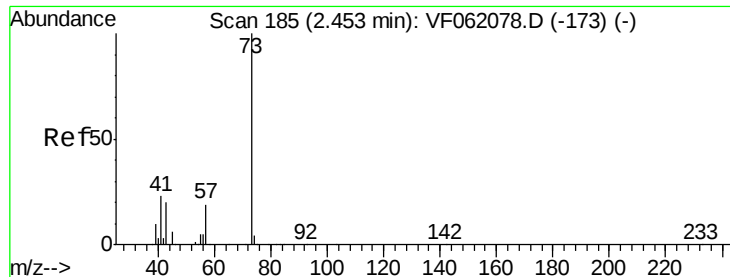
Tgt Ion: 76 Resp: 182297
Ion Ratio Lower Upper
76 100
78 10.5 7.9 11.9



#18
Methyl Acetate
Concen: 22.288 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion: 43 Resp: 25135
Ion Ratio Lower Upper
43 100
74 17.1 16.3 24.5



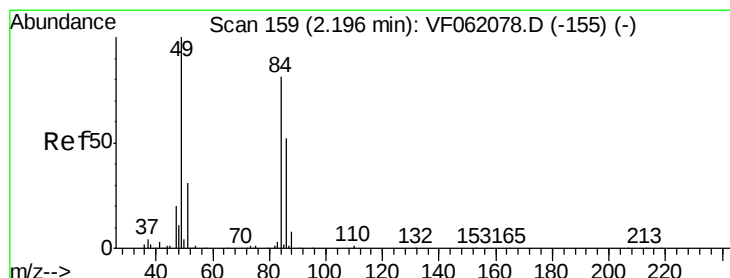
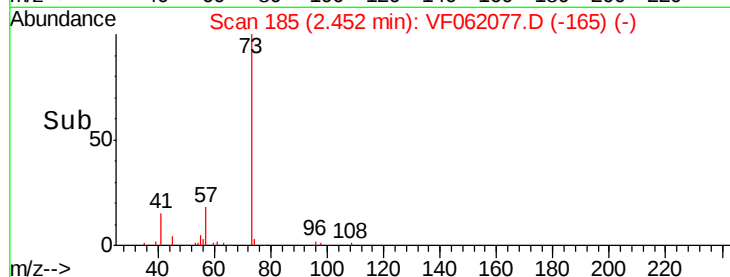
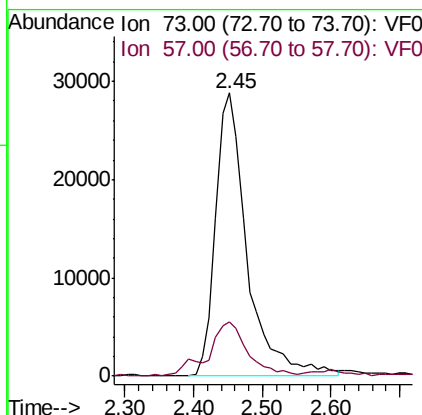
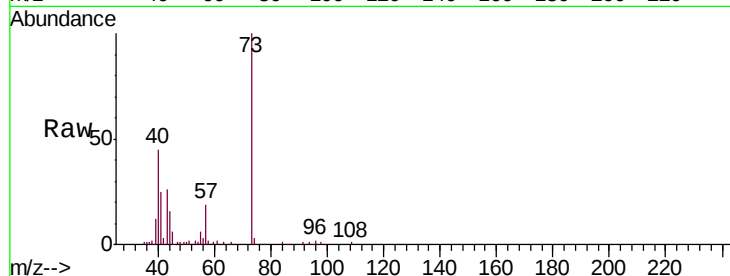


#19

Methyl tert-butyl Ether
 Concen: 19.763 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

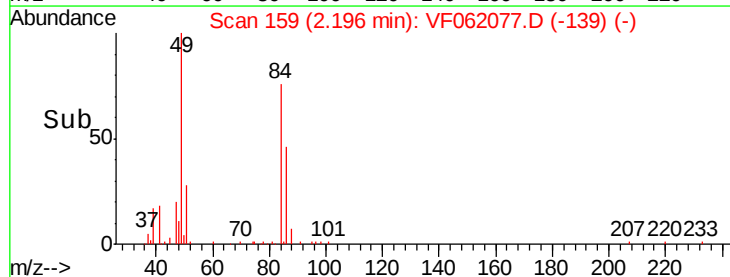
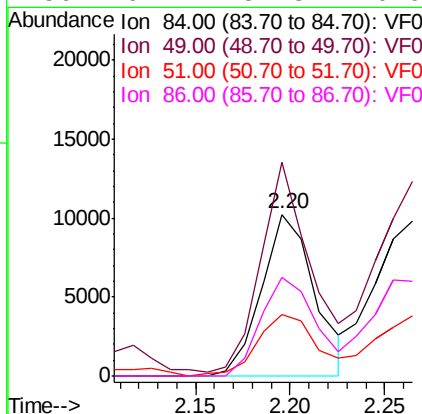
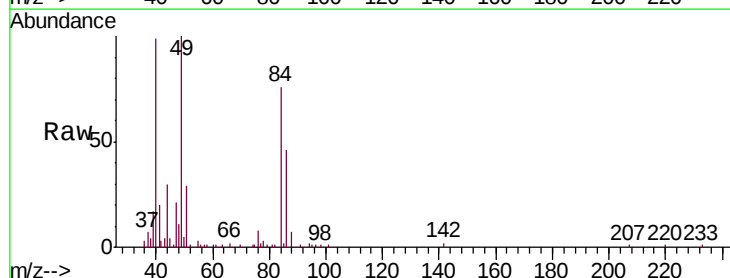
Tgt Ion: 73 Resp: 91561
 Ion Ratio Lower Upper
 73 100
 57 19.1 15.1 22.7

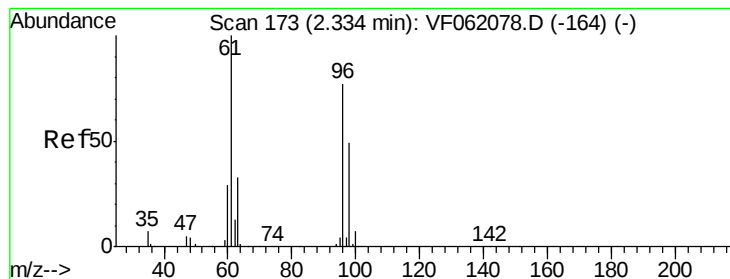


#20

Methylene Chloride
 Concen: 6.306 ug/l
 RT: 2.20 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 84 Resp: 20056
 Ion Ratio Lower Upper
 84 100
 49 132.3 100.4 150.6
 51 38.0 31.0 46.6
 86 61.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 17.642 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

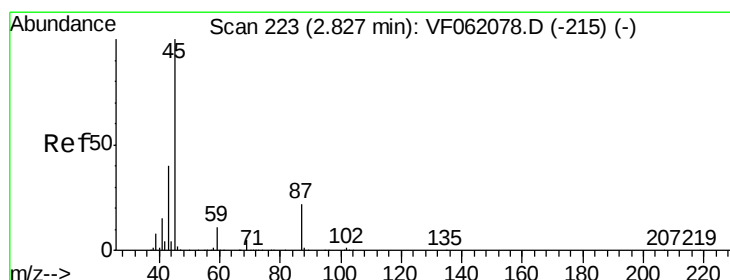
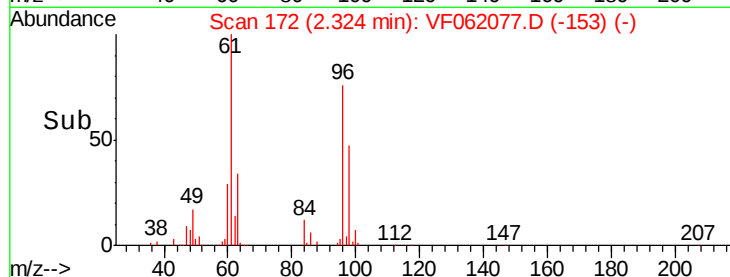
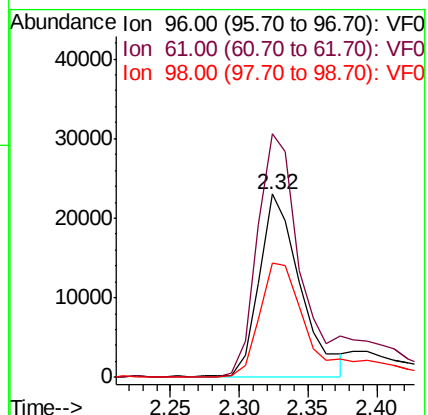
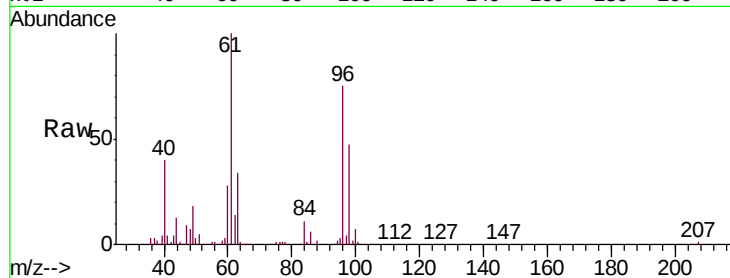
Tgt Ion: 96 Resp: 48062

Ion Ratio Lower Upper

96 100

61 133.1 104.5 156.7

98 62.5 51.2 76.8



#22

Diisopropyl ether

Concen: 20.164 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Tgt Ion: 45 Resp: 165450

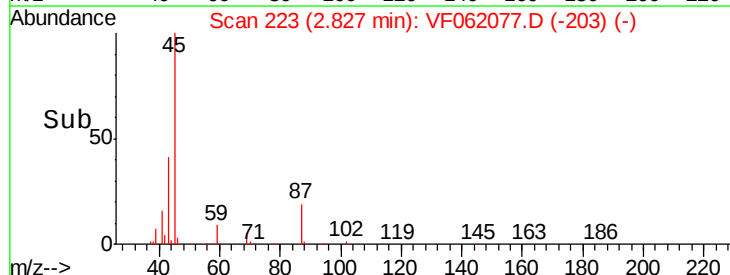
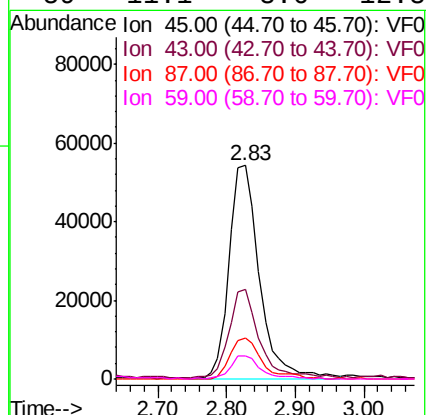
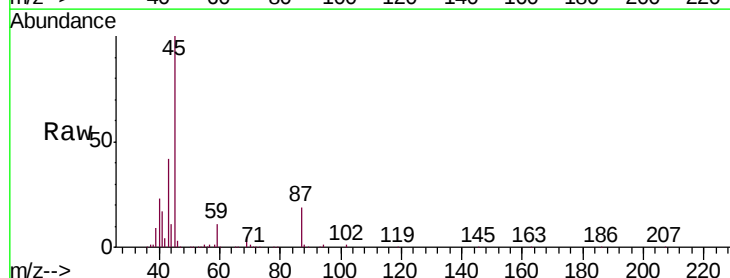
Ion Ratio Lower Upper

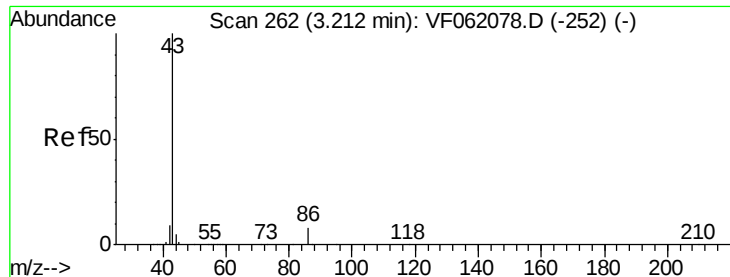
45 100

43 41.7 32.5 48.7

87 19.0 17.4 26.2

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 105.662 ug/l

RT: 3.21 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

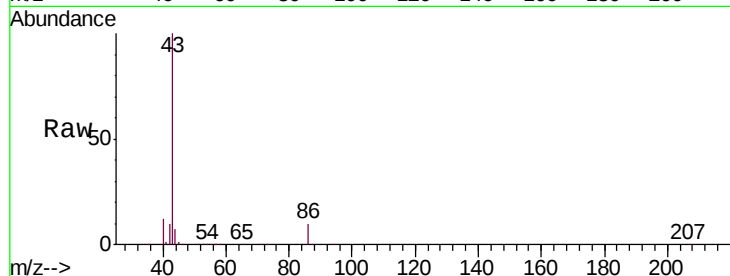
VSTDIC020

Tgt Ion: 43 Resp: 354974

Ion Ratio Lower Upper

43 100

86 9.7 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.21

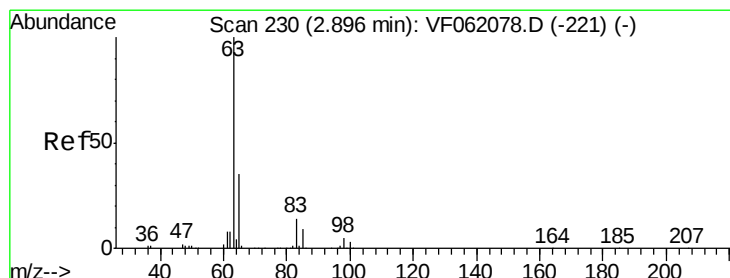
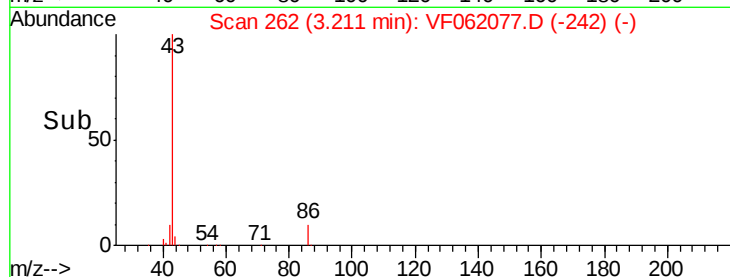
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.833 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

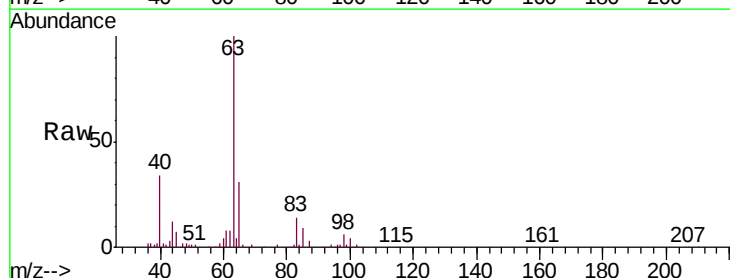
Tgt Ion: 63 Resp: 97588

Ion Ratio Lower Upper

63 100

98 6.0 2.7 8.1

100 3.6 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.90

50000

40000

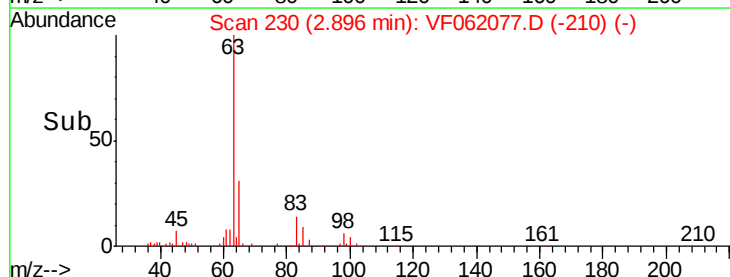
30000

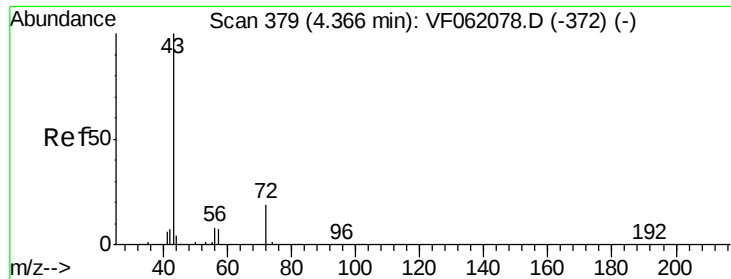
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.841 ug/l

RT: 4.37 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

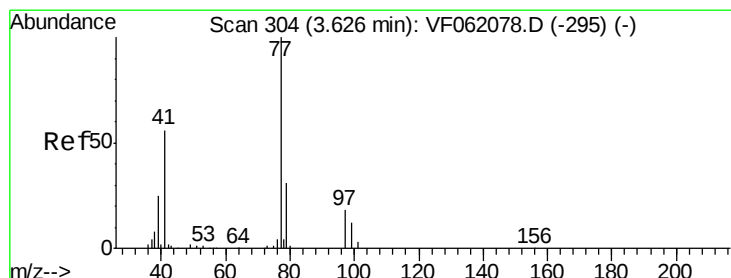
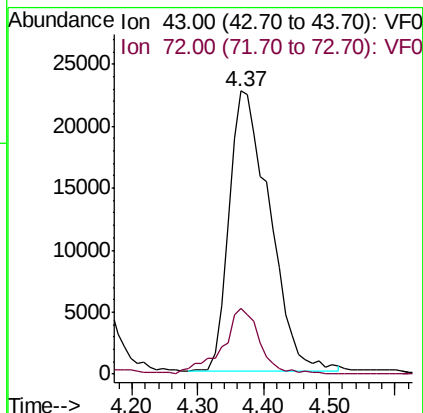
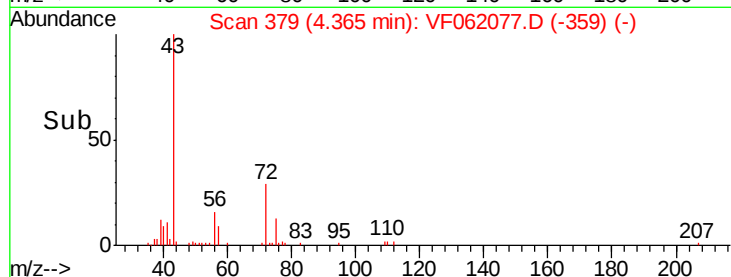
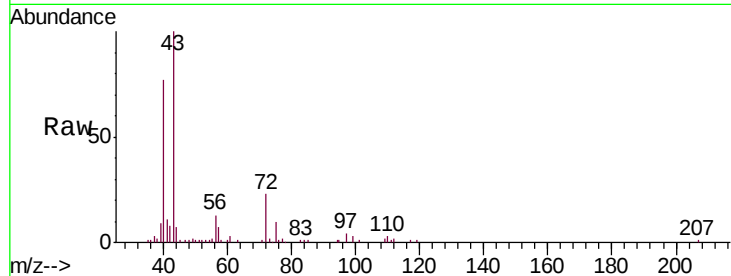
VSTDIC020

Tgt Ion: 43 Resp: 98232

Ion Ratio Lower Upper

43 100

72 23.2 16.7 25.1



#26

2,2-Dichloropropane

Concen: 20.164 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.00 min

Lab File: VF062077.D

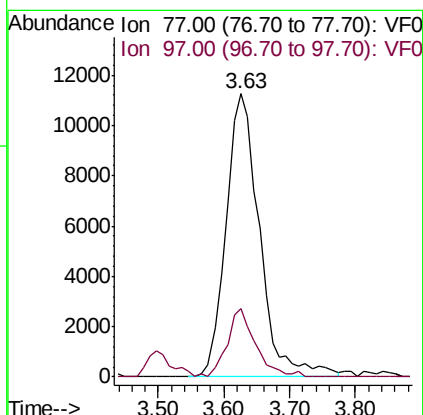
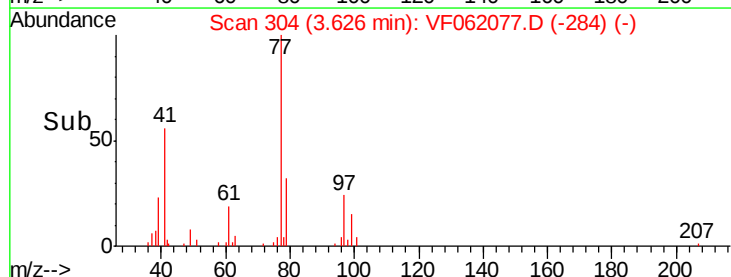
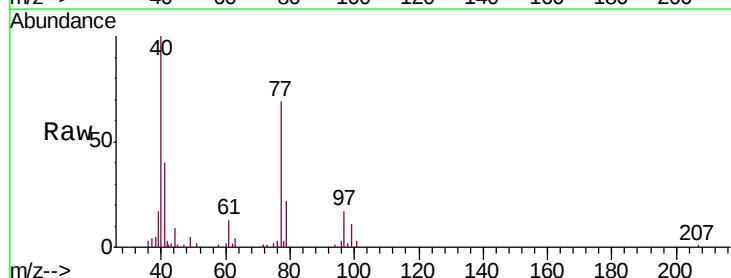
Acq: 22 Mar 2019 11:56

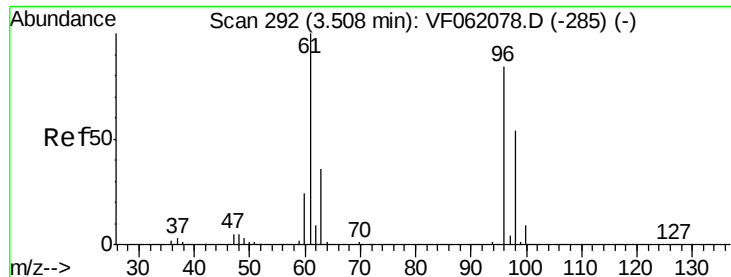
Tgt Ion: 77 Resp: 40229

Ion Ratio Lower Upper

77 100

97 24.0 10.3 30.9



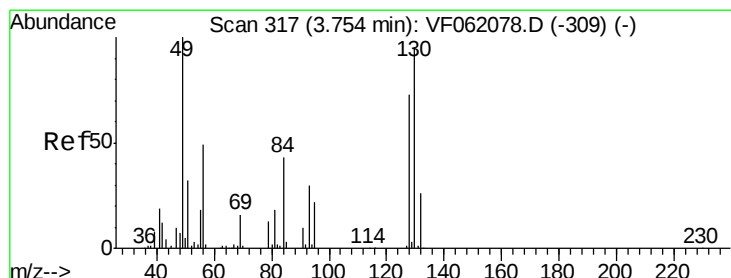
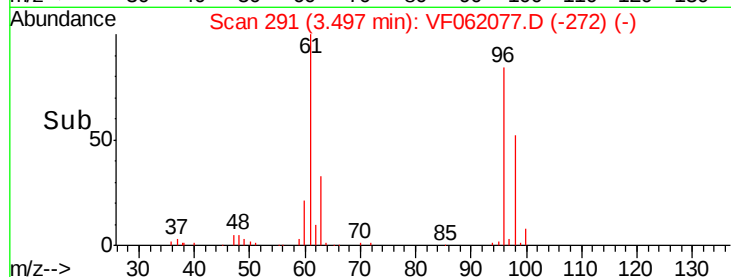
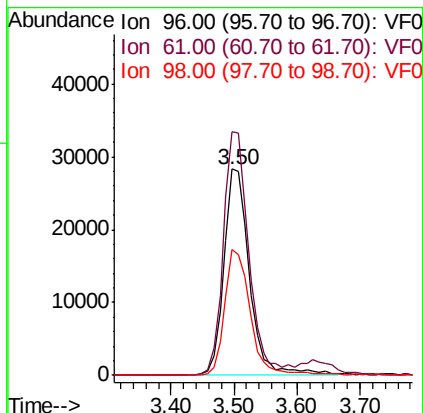
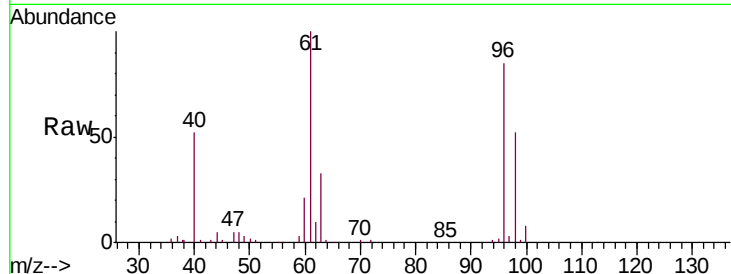


#27

cis-1,2-Dichloroethene
 Concen: 21.285 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

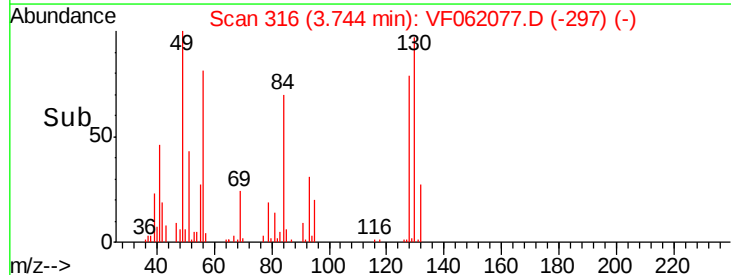
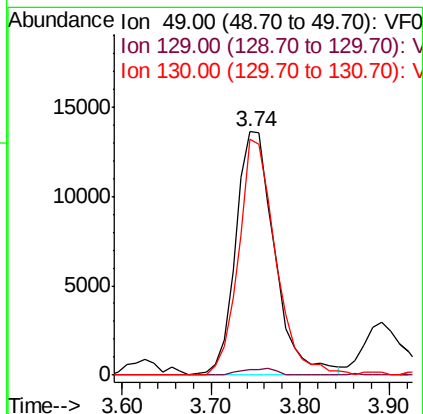
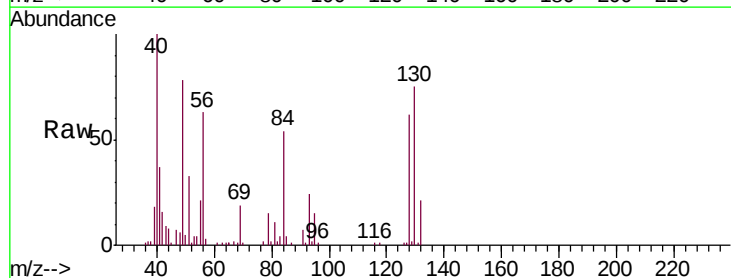
Tgt Ion: 96 Resp: 79550
 Ion Ratio Lower Upper
 96 100
 61 118.3 0.0 239.0
 98 61.1 0.0 128.2

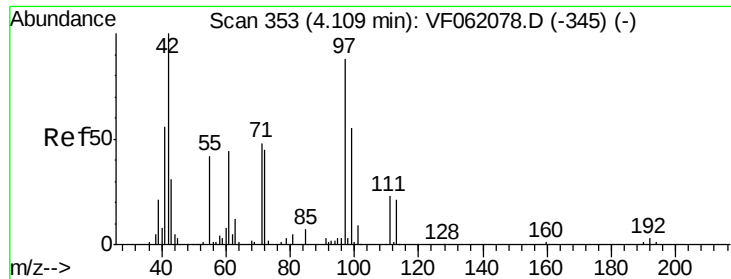


#28

Bromochloromethane
 Concen: 20.664 ug/l
 RT: 3.74 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 49 Resp: 41544
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.6
 130 96.7 75.5 113.3

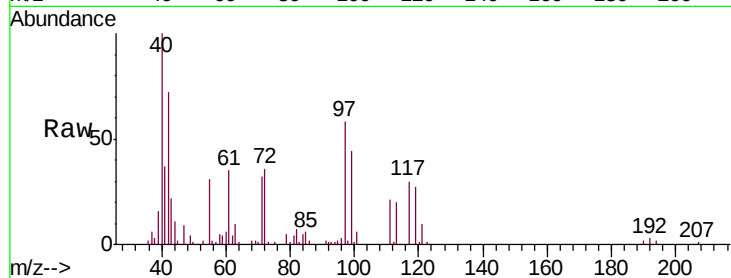




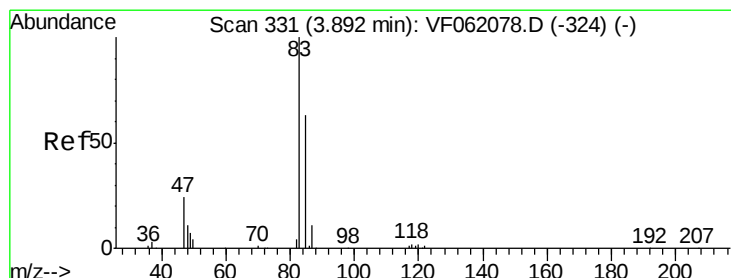
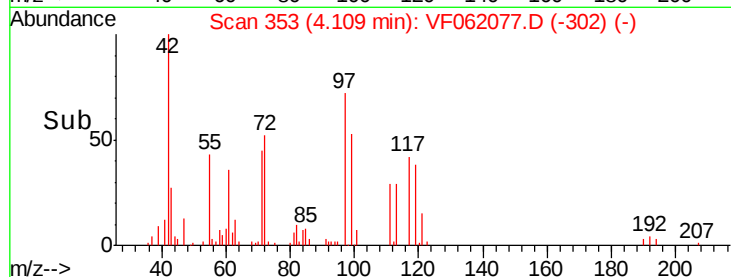
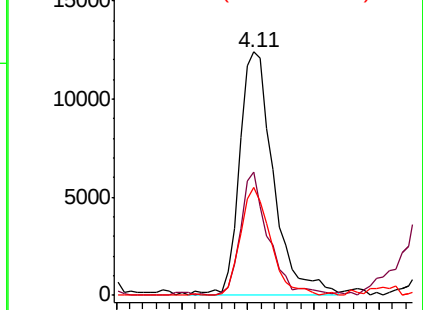
#29
Tetrahydrofuran
Concen: 104.155 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 42 Resp: 45006
Ion Ratio Lower Upper
42 100
72 41.9 33.3 49.9
71 39.3 35.0 52.4

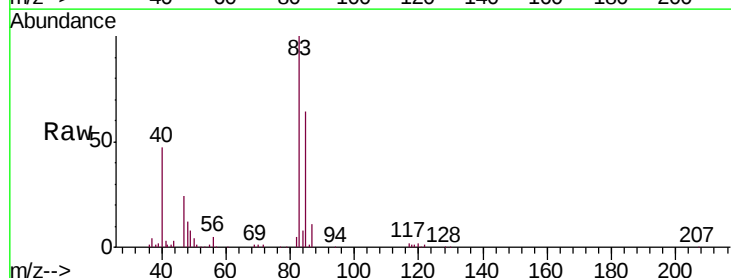


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

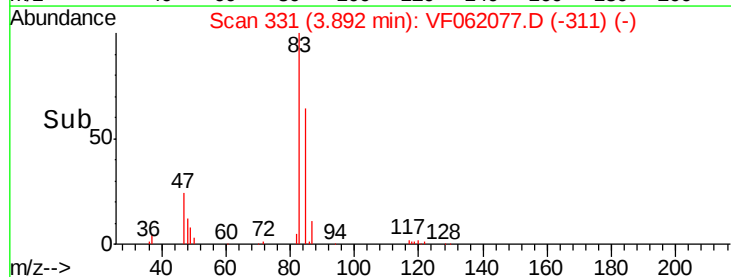
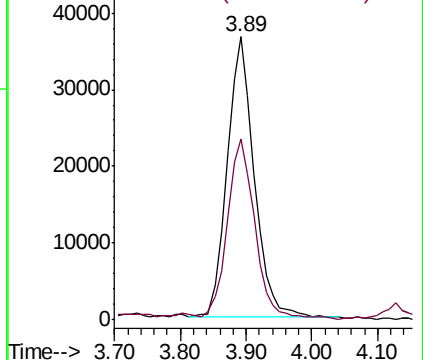


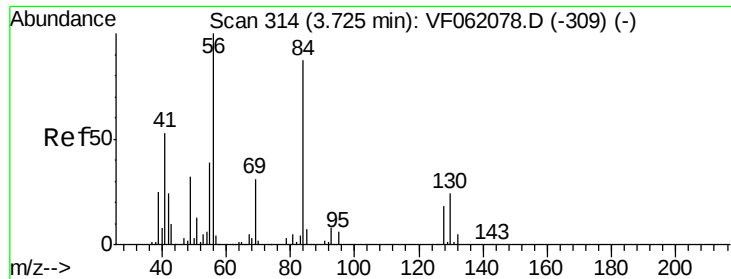
#30
Chloroform
Concen: 20.158 ug/l
RT: 3.89 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion: 83 Resp: 104823
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3



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

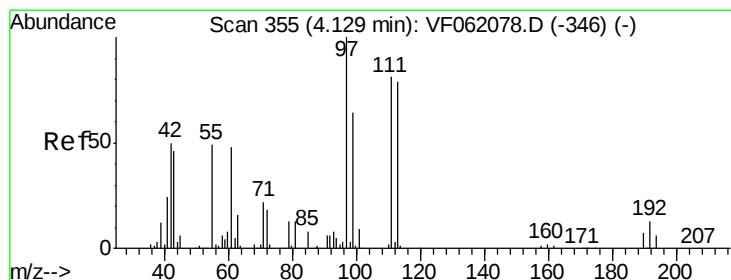
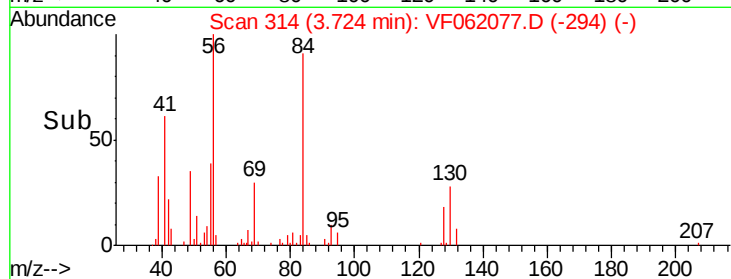
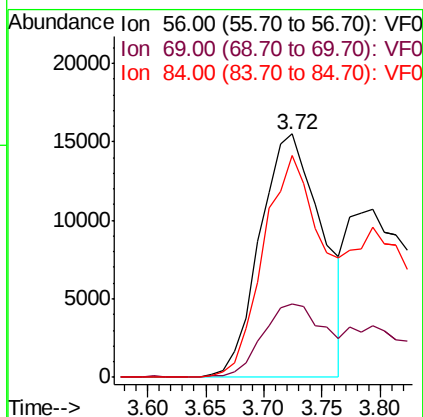
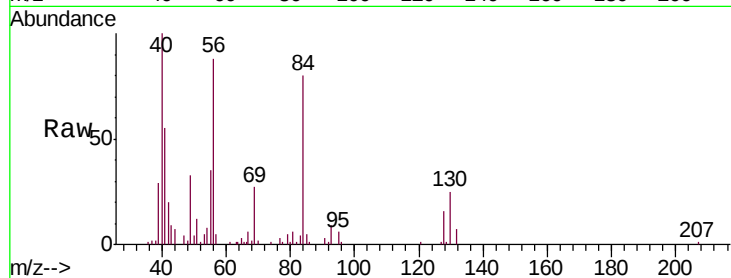




#31
Cyclohexane
Concen: 11.924 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

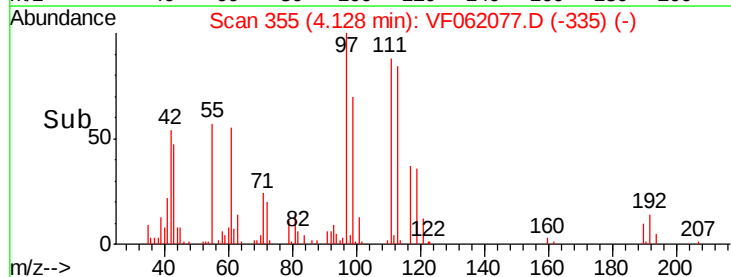
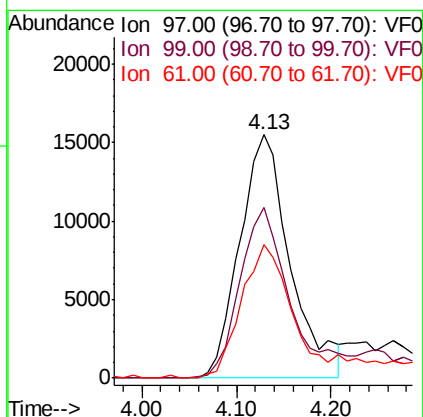
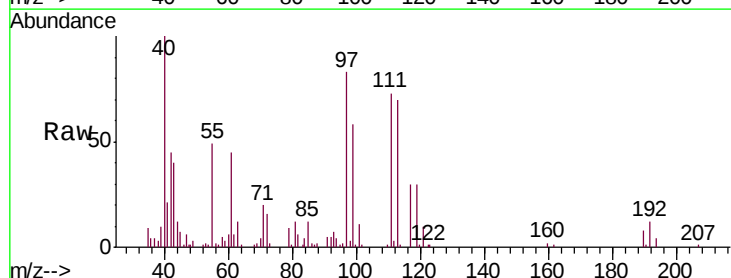
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

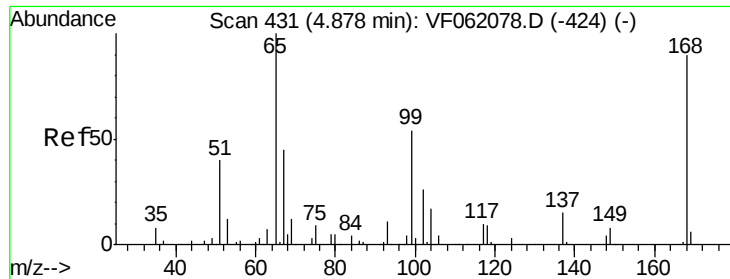
Tgt Ion: 56 Resp: 57581
Ion Ratio Lower Upper
56 100
69 30.3 25.9 38.9
84 91.1 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 18.191 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion: 97 Resp: 57544
Ion Ratio Lower Upper
97 100
99 70.3 51.3 76.9
61 54.7 39.0 58.6

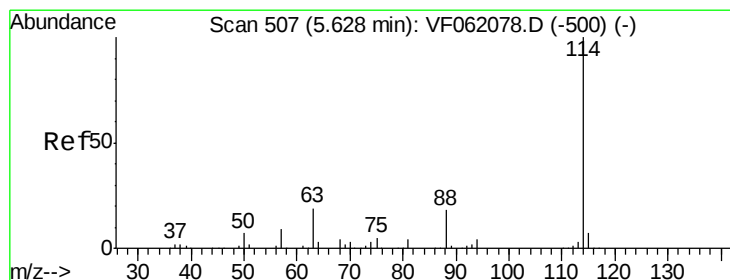
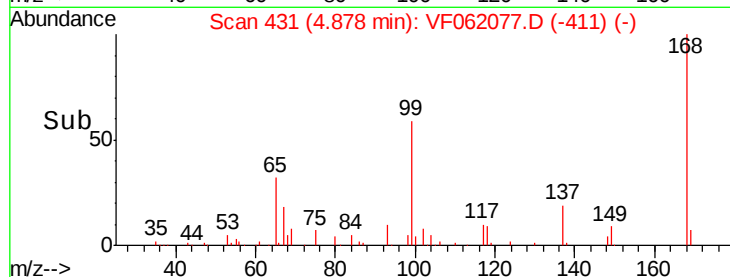
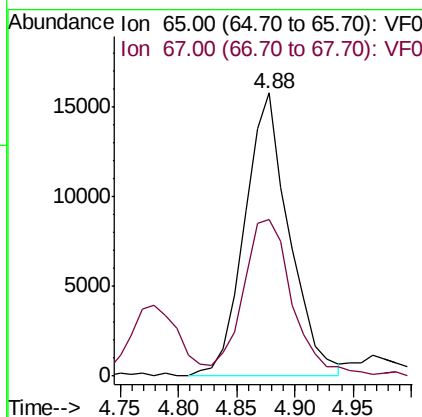
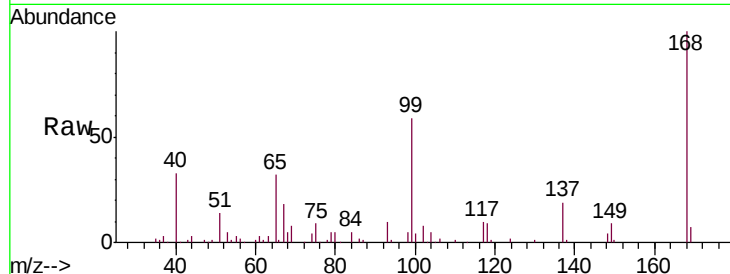




#33
 1,2-Dichloroethane-d4
 Concen: 18.573 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

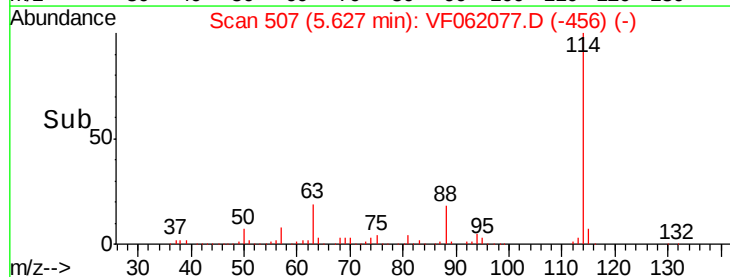
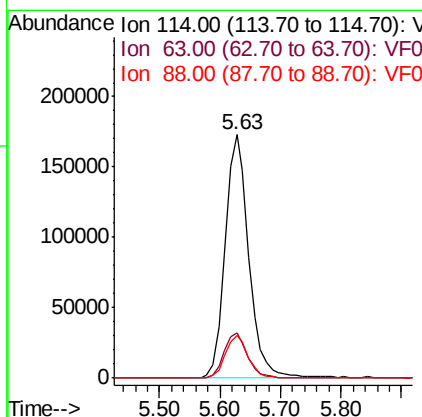
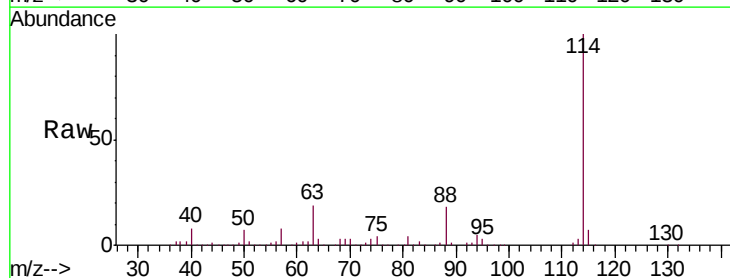
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

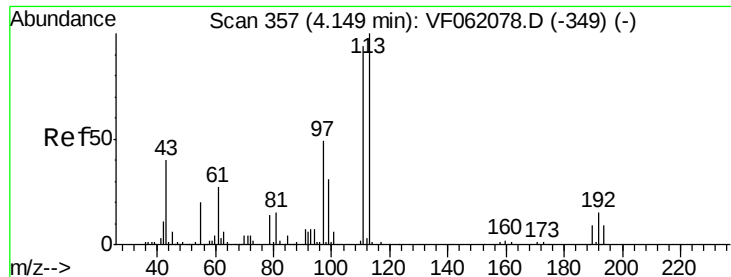
Tgt Ion: 65 Resp: 42010
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 114 Resp: 468157
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.8
 88 17.8 0.0 36.4

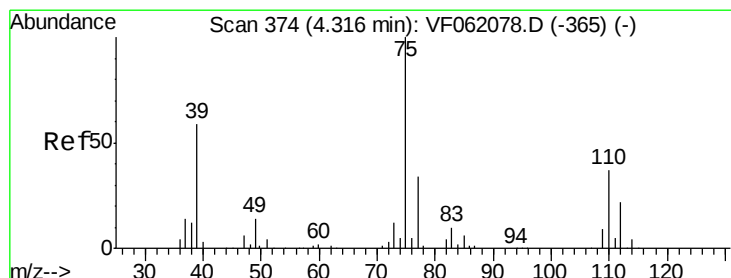
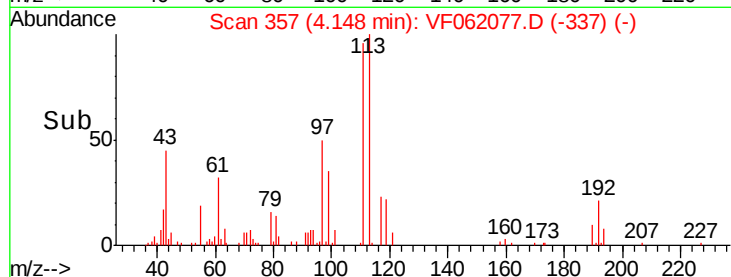
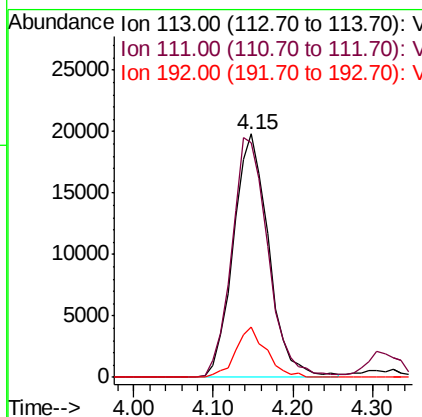
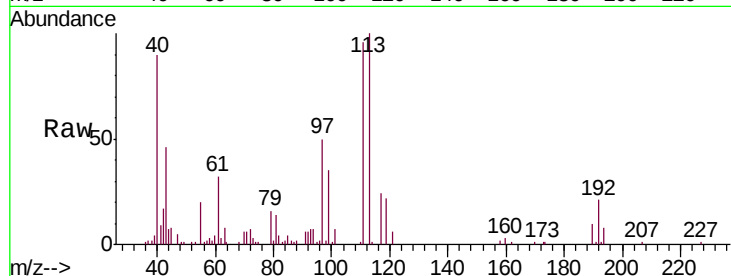




#35
 Dibromofluoromethane
 Concen: 19.287 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

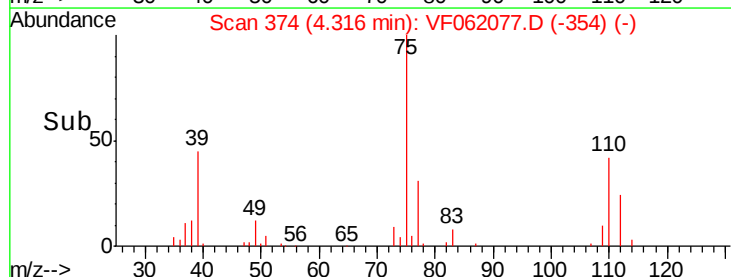
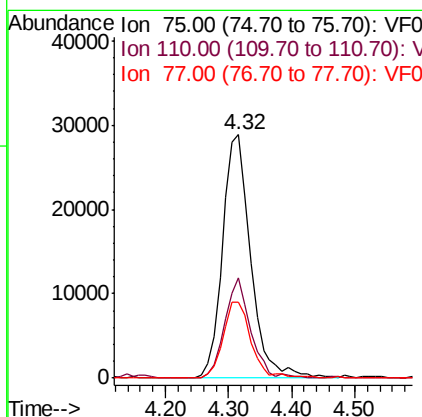
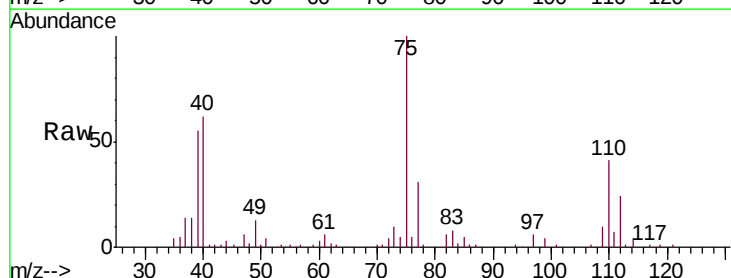
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

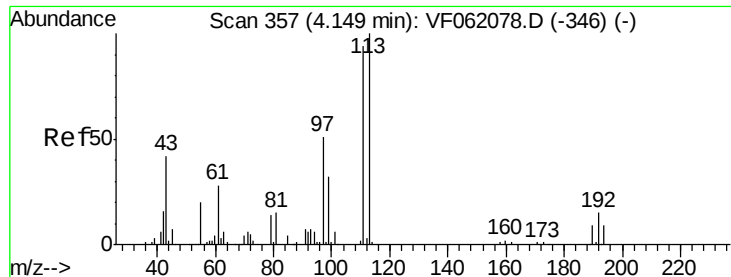
Tgt Ion: 113 Resp: 61079
 Ion Ratio Lower Upper
 113 100
 111 96.3 75.4 113.0
 192 21.3 12.3 18.5#



#36
 1,1-Dichloropropene
 Concen: 20.094 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 75 Resp: 89605
 Ion Ratio Lower Upper
 75 100
 110 41.3 18.5 55.5
 77 31.2 27.4 41.0

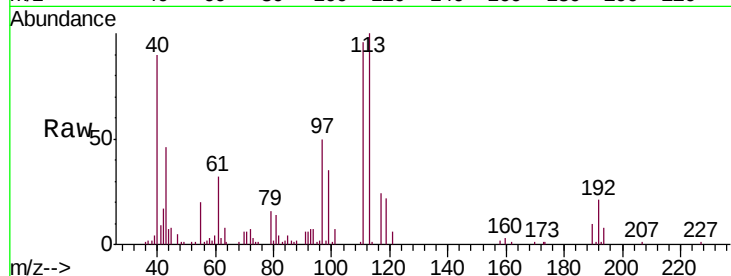




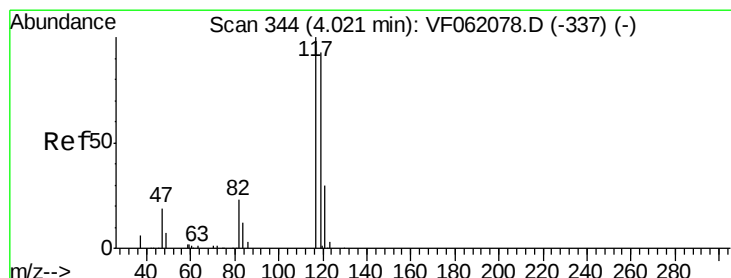
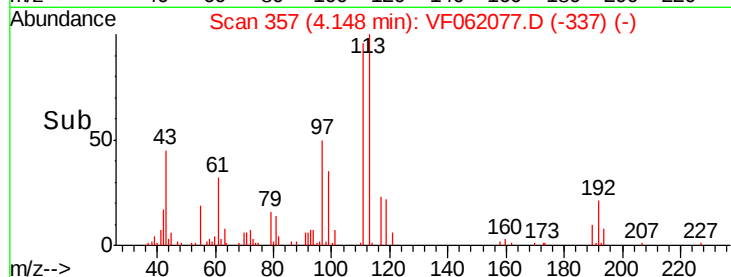
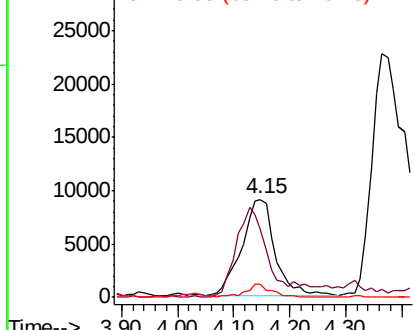
#37
Ethyl Acetate
Concen: 18.810 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 36656
Ion Ratio Lower Upper
43 100
61 69.2 53.6 80.4
70 13.2 9.0 13.6

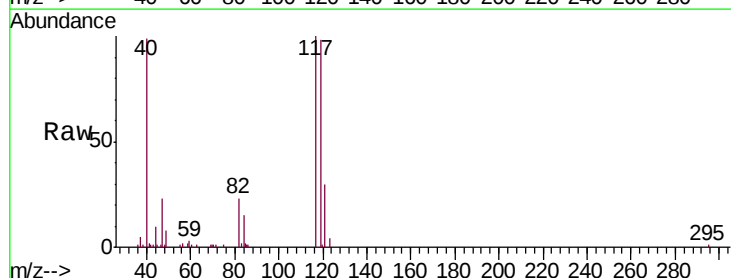


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

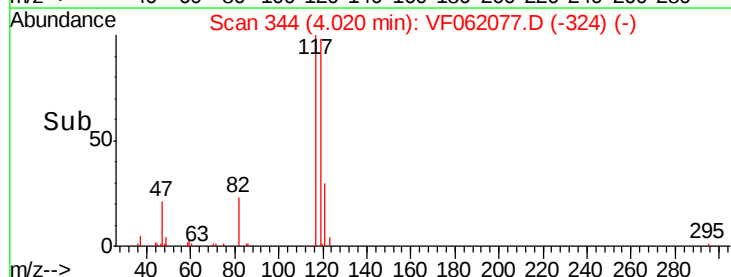
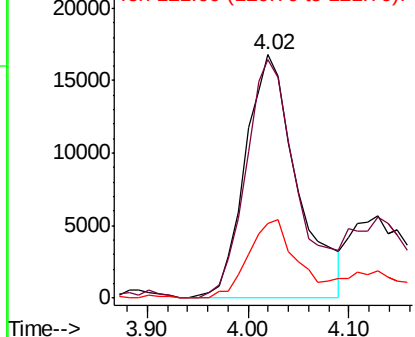


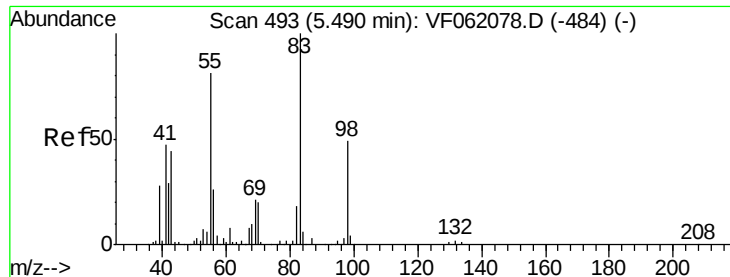
#38
Carbon Tetrachloride
Concen: 19.795 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion: 117 Resp: 60163
Ion Ratio Lower Upper
117 100
119 97.8 74.7 112.1
121 30.5 23.6 35.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

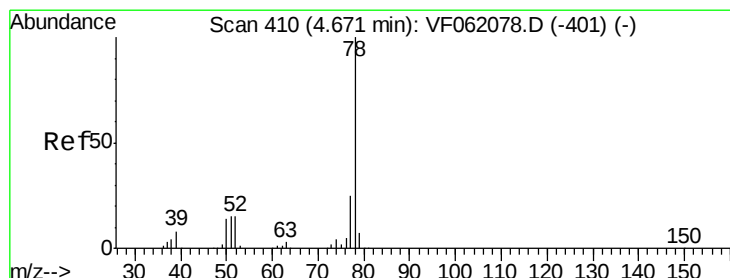
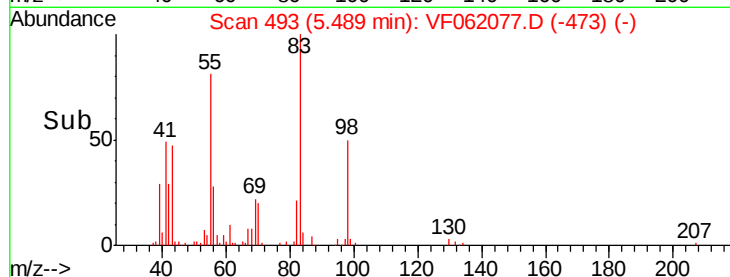
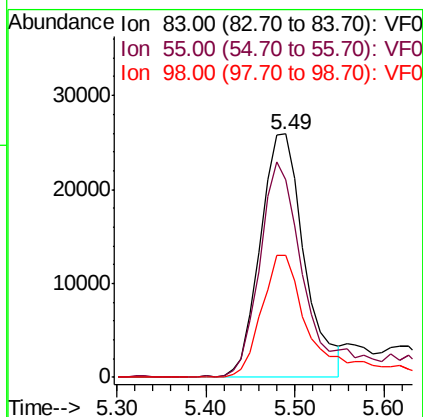
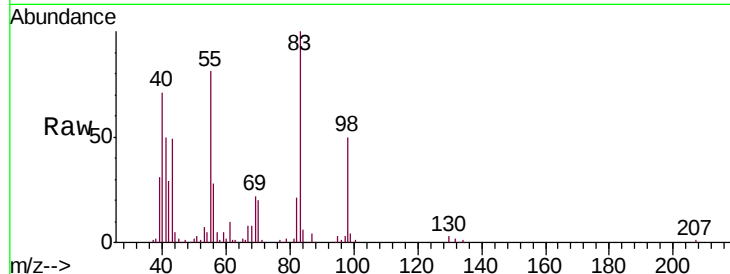




#39
Methylcyclohexane
Concen: 17.200 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

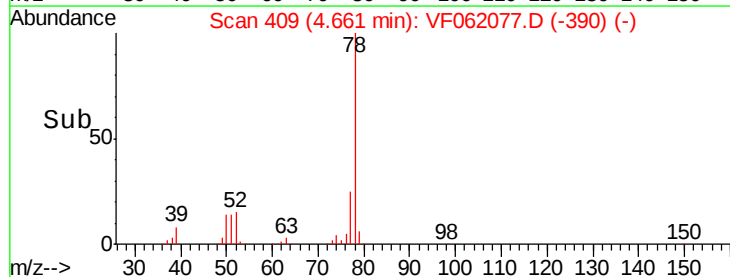
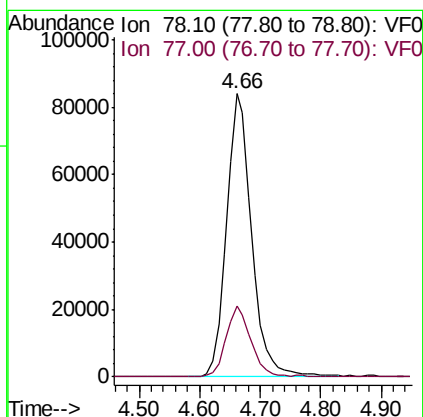
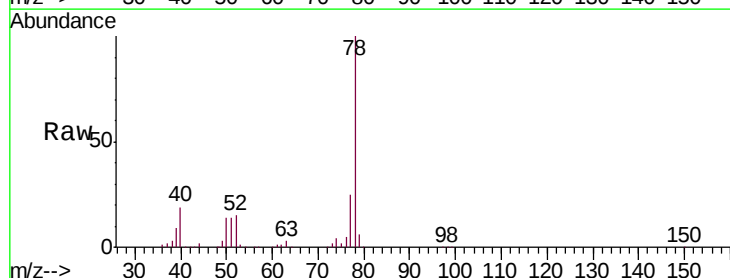
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

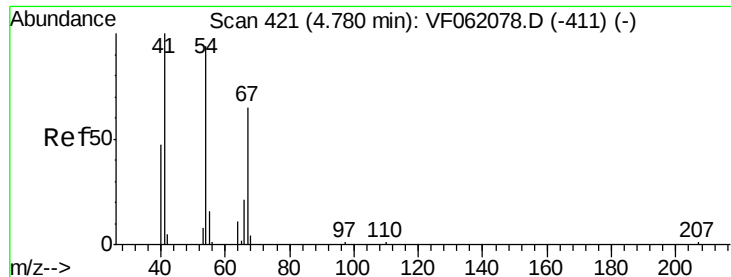
Tgt Ion: 83 Resp: 89016
Ion Ratio Lower Upper
83 100
55 81.3 64.5 96.7
98 50.1 39.1 58.7



#40
Benzene
Concen: 20.191 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion: 78 Resp: 241372
Ion Ratio Lower Upper
78 100
77 25.0 19.8 29.6

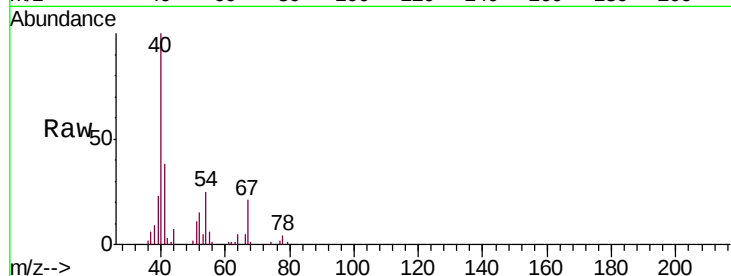




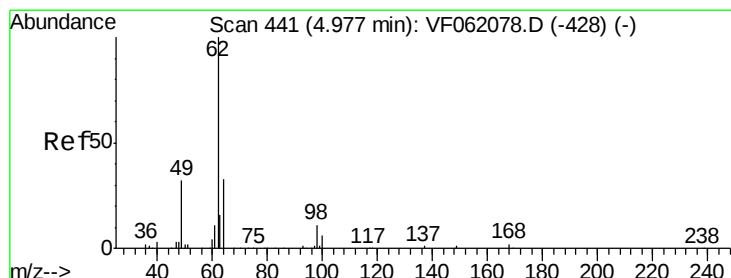
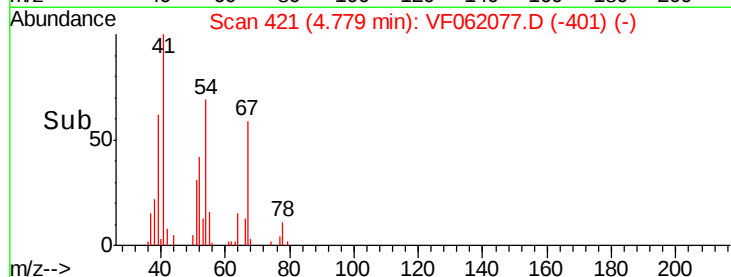
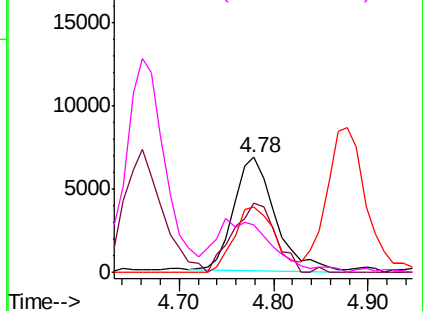
#41
Methacrylonitrile
Concen: 20.182 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	20810
Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.5	65.3
67	56.7	51.6	77.4
52	41.0	36.5	54.7

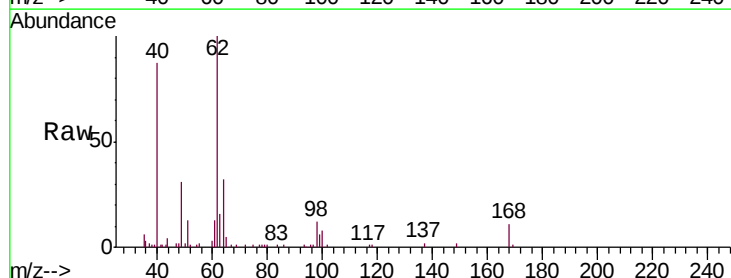


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

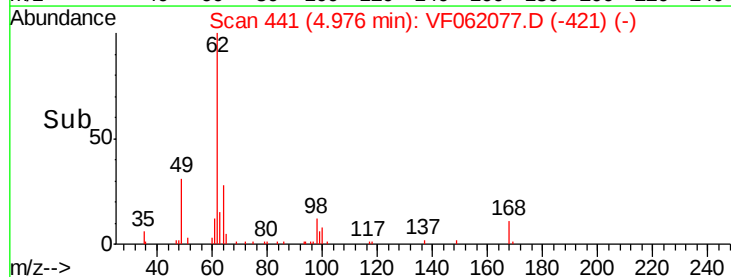
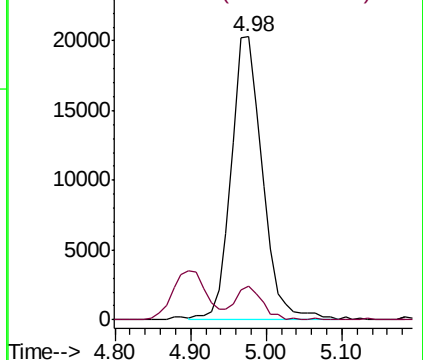


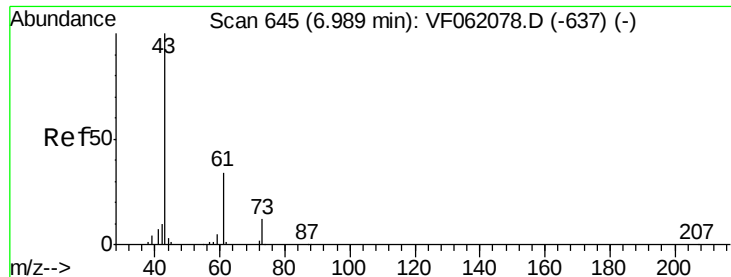
#42
1,2-Dichloroethane
Concen: 20.525 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion:	62	Resp:	58021
Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	23.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.612 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

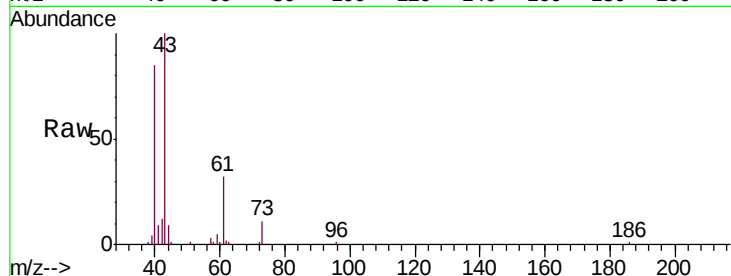
Tgt Ion: 43 Resp: 46285

Ion Ratio Lower Upper

43 100

61 31.6 27.0 40.4

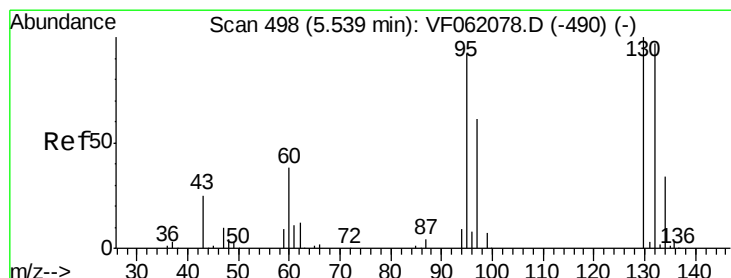
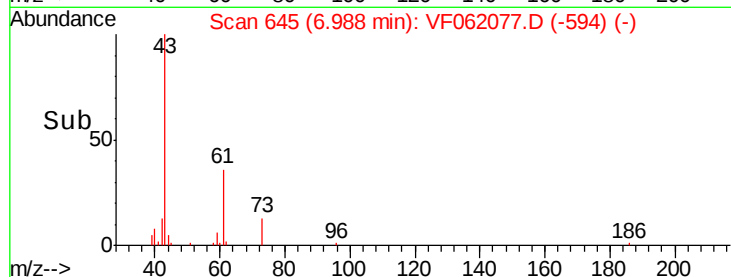
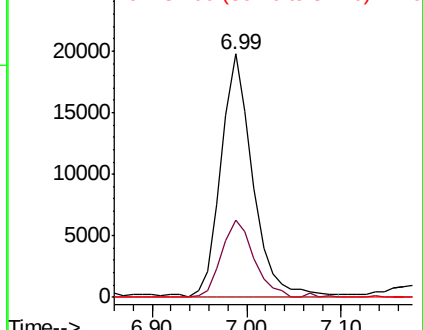
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 19.463 ug/l

RT: 5.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VF062077.D

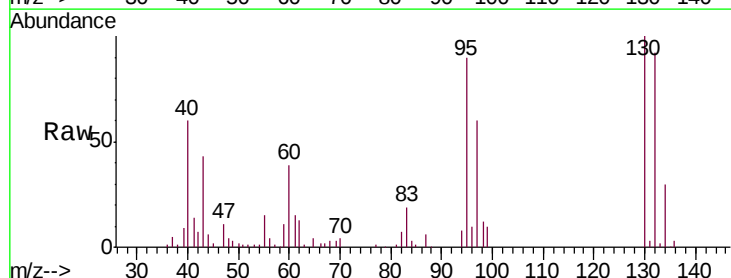
Acq: 22 Mar 2019 11:56

Tgt Ion: 130 Resp: 71133

Ion Ratio Lower Upper

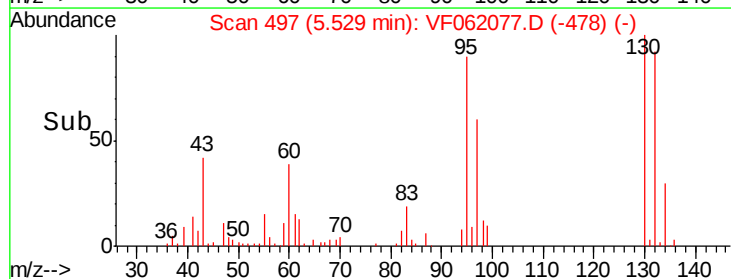
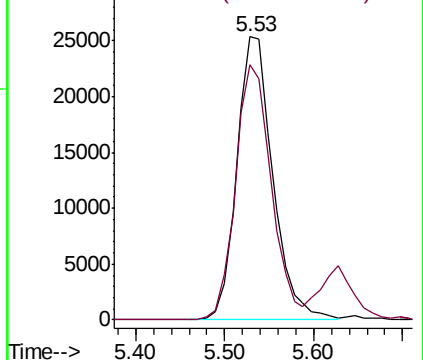
130 100

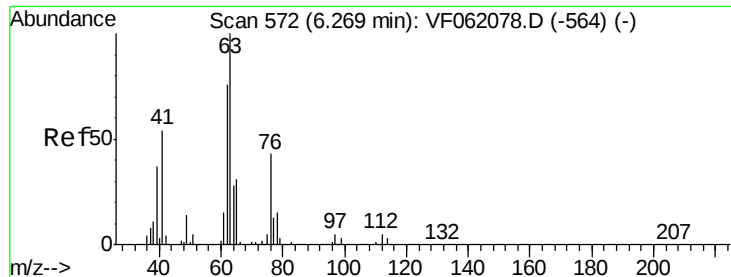
95 90.0 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.724 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

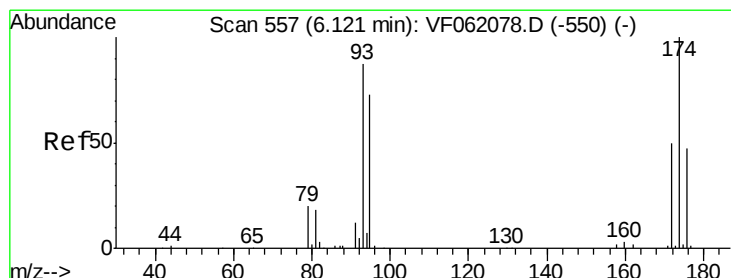
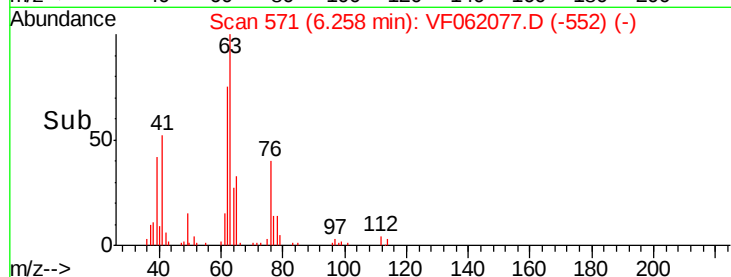
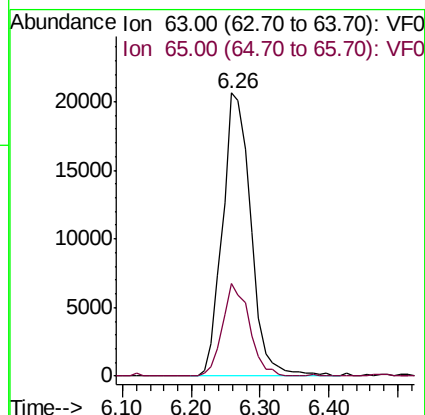
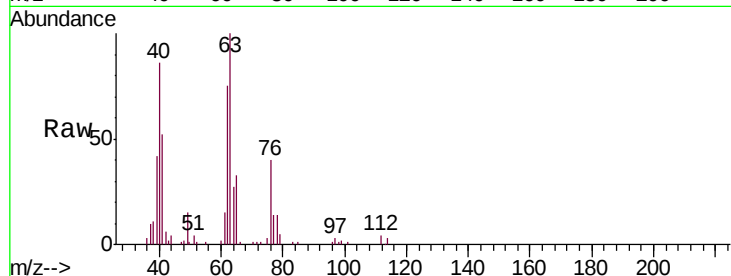
VSTDIC020

Tgt Ion: 63 Resp: 59087

Ion Ratio Lower Upper

63 100

65 32.6 24.9 37.3



#46

Dibromomethane

Concen: 19.550 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

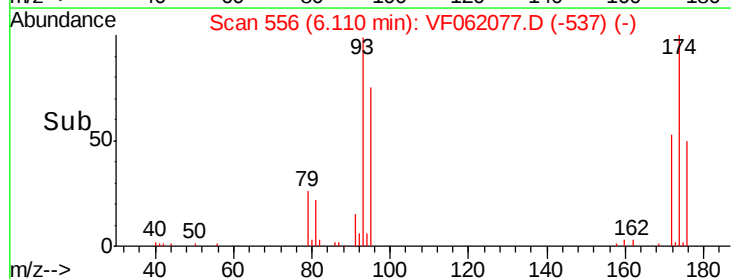
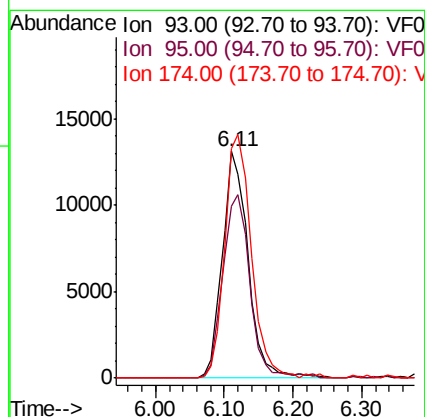
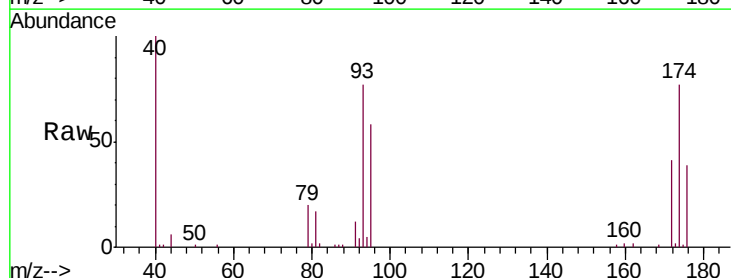
Tgt Ion: 93 Resp: 34081

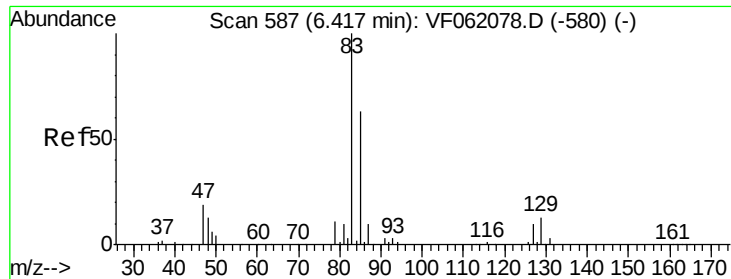
Ion Ratio Lower Upper

93 100

95 75.8 67.4 101.2

174 101.0 92.0 138.0





#47

Bromodichloromethane

Concen: 19.935 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

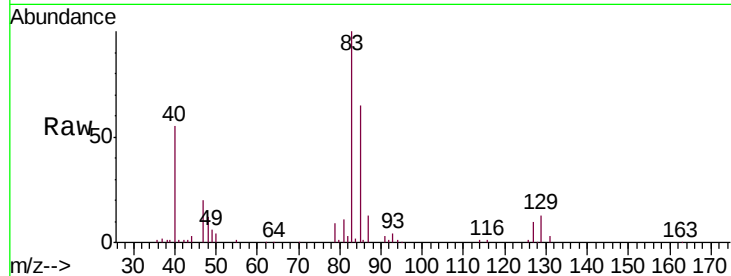
Tgt Ion: 83 Resp: 76978

Ion Ratio Lower Upper

83 100

85 64.9 50.7 76.1

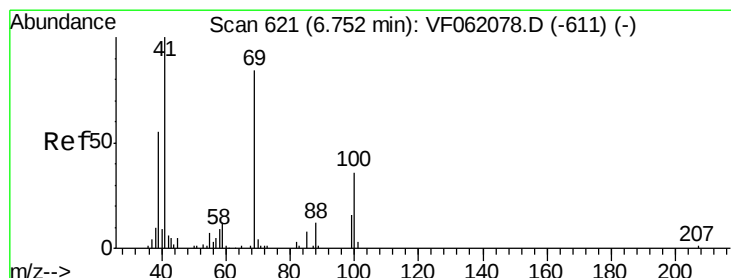
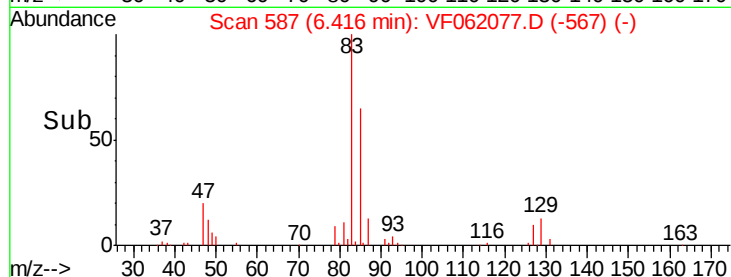
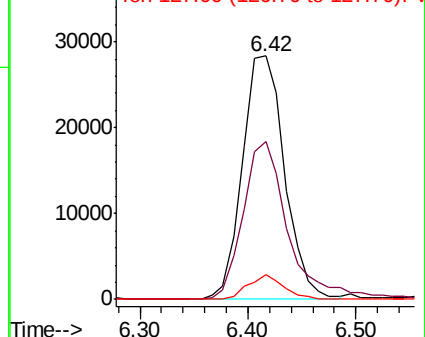
127 10.4 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.375 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

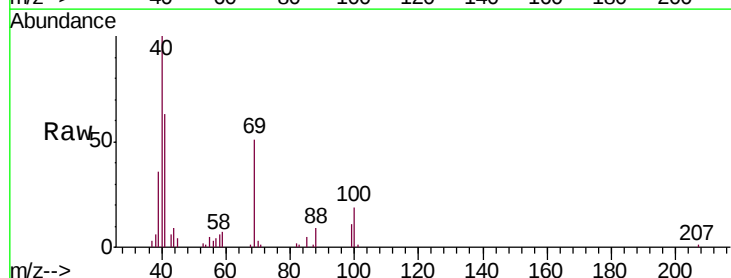
Tgt Ion: 41 Resp: 27379

Ion Ratio Lower Upper

41 100

69 80.3 66.6 100.0

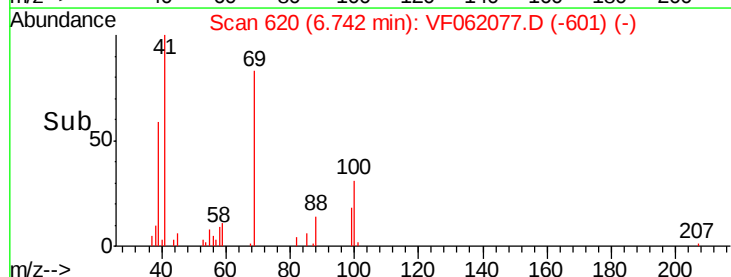
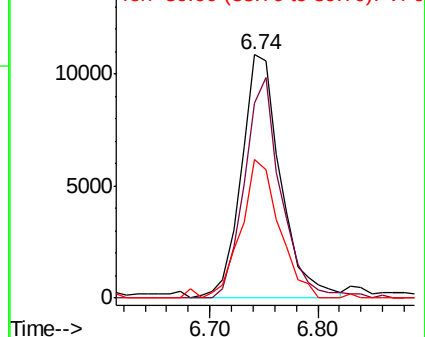
39 57.0 43.6 65.4

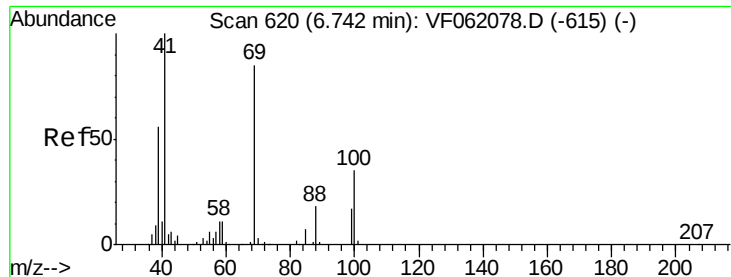


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 400.470 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

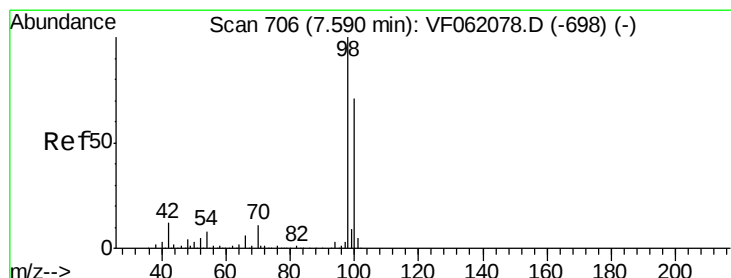
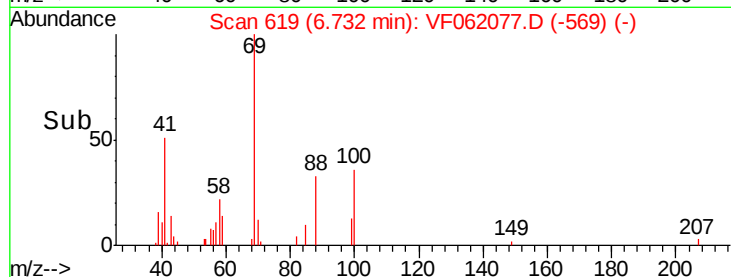
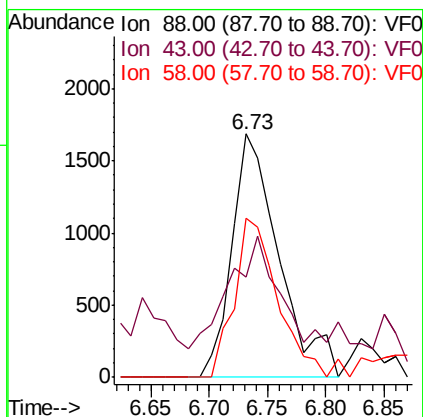
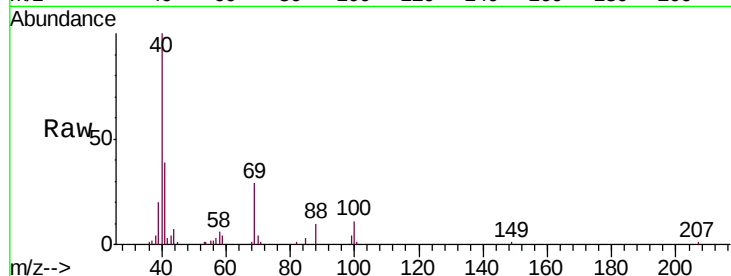
Tgt Ion: 88 Resp: 4722

Ion Ratio Lower Upper

88 100

43 41.2 35.0 52.4

58 65.3 49.9 74.9



#50

Toluene-d8

Concen: 19.845 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF062077.D

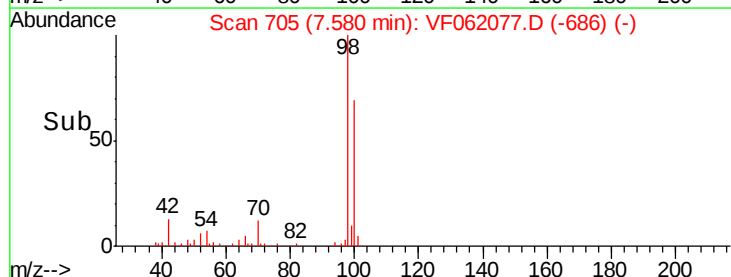
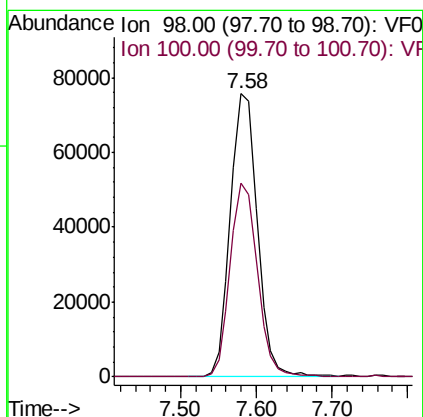
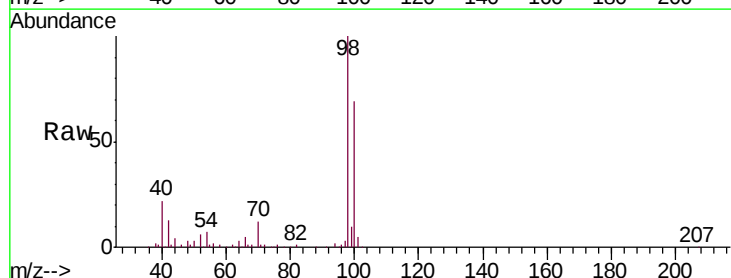
Acq: 22 Mar 2019 11:56

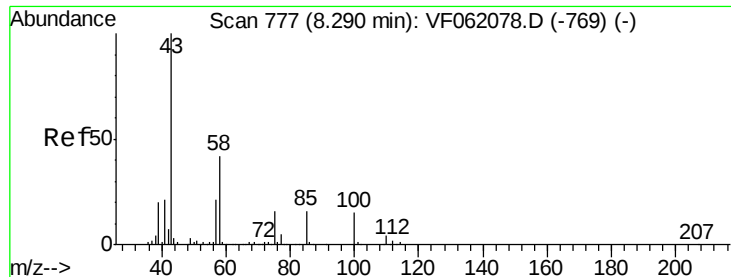
Tgt Ion: 98 Resp: 187602

Ion Ratio Lower Upper

98 100

100 68.6 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 103.509 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

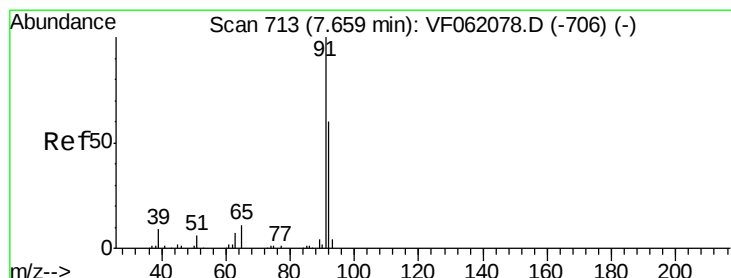
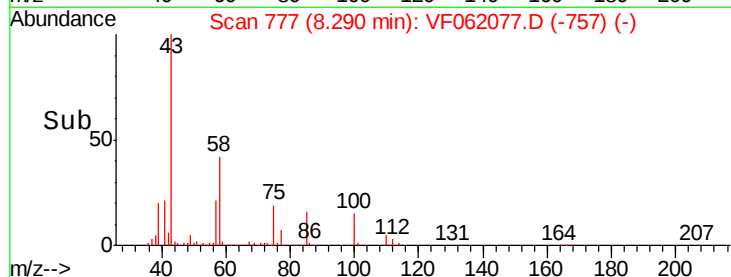
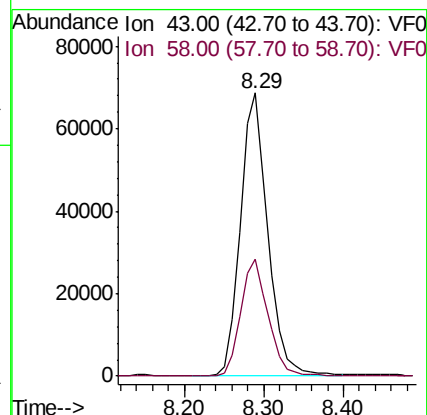
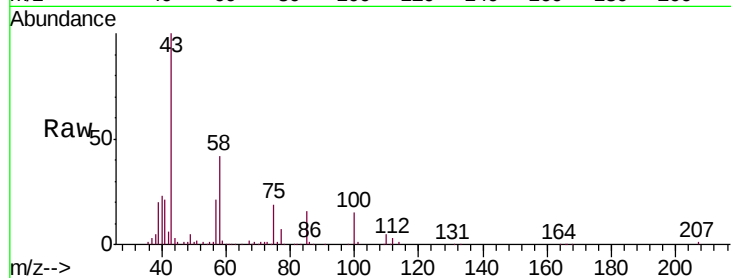
VSTDIC020

Tgt Ion: 43 Resp: 163506

Ion Ratio Lower Upper

43 100

58 41.5 33.8 50.8



#52

Toluene

Concen: 20.057 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF062077.D

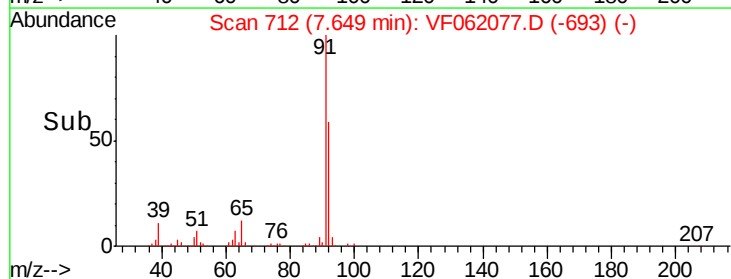
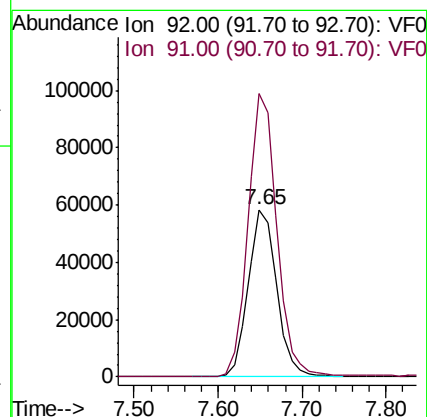
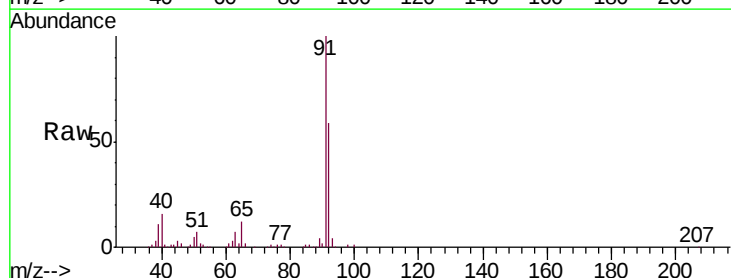
Acq: 22 Mar 2019 11:56

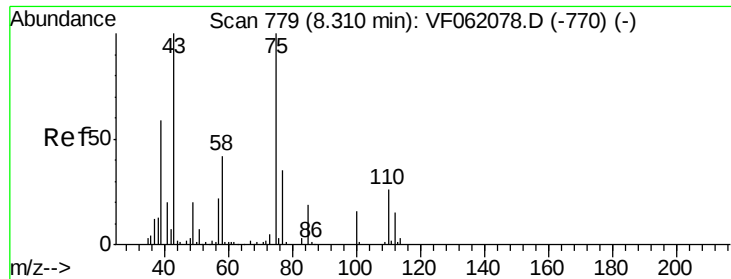
Tgt Ion: 92 Resp: 138875

Ion Ratio Lower Upper

92 100

91 169.4 134.1 201.1

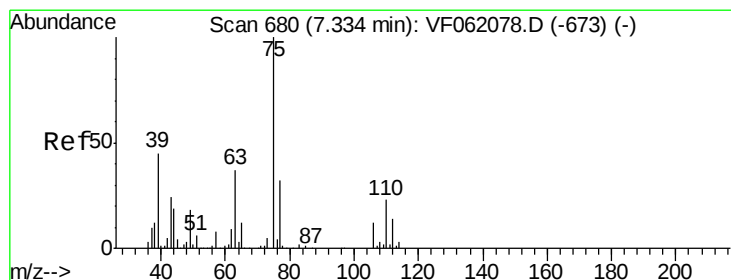
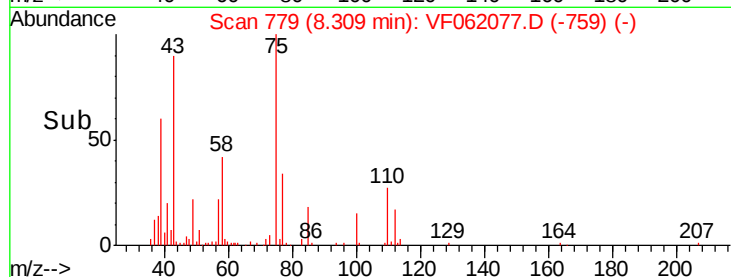
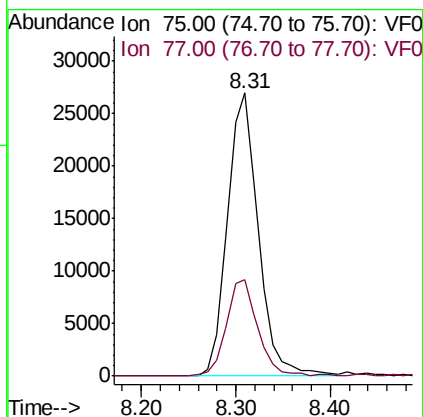
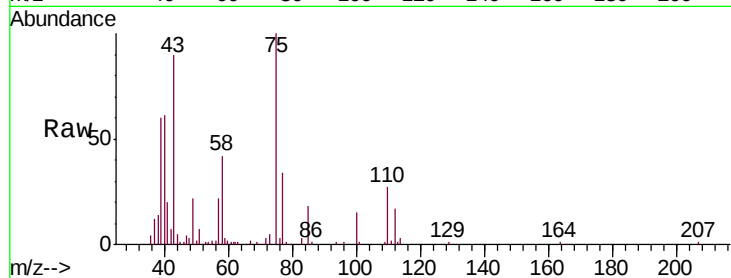




#53
 t-1,3-Dichloropropene
 Concen: 20.139 ug/l
 RT: 8.31 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

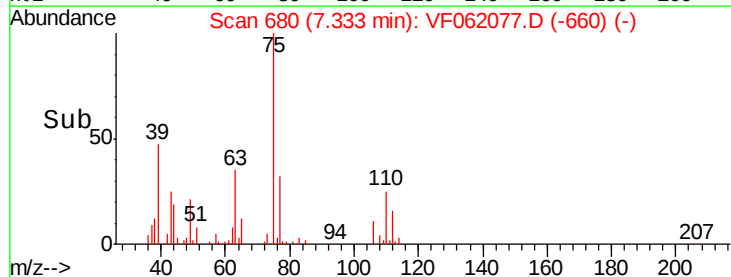
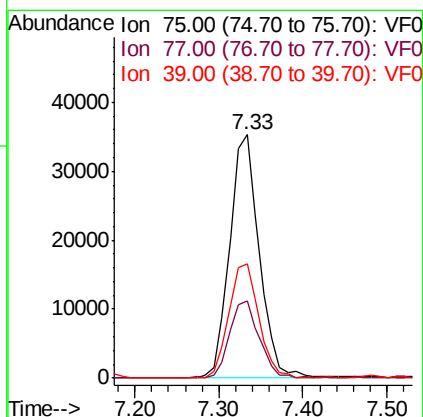
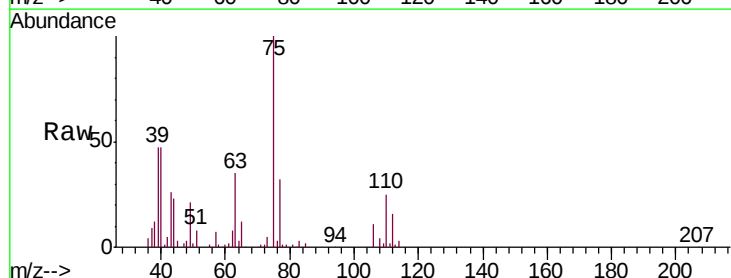
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

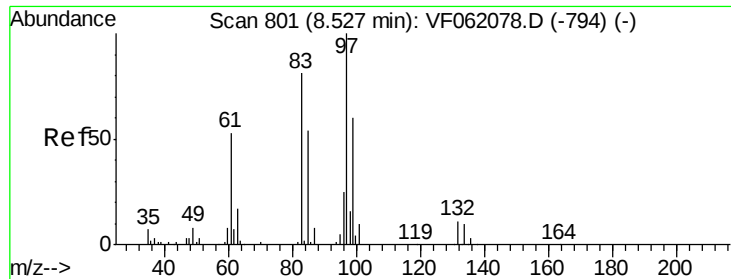
Tgt Ion: 75 Resp: 61046
 Ion Ratio Lower Upper
 75 100
 77 34.0 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.981 ug/l
 RT: 7.33 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 75 Resp: 86665
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6
 39 47.0 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 19.955 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 39245

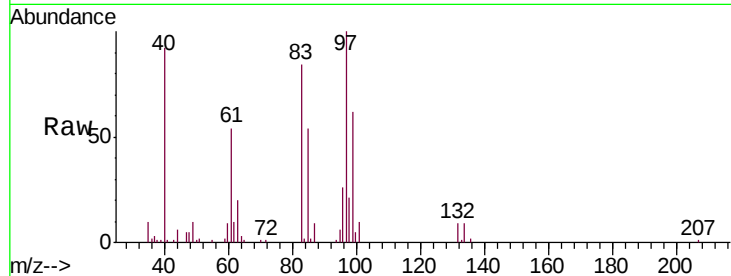
Ion Ratio Lower Upper

97 100

83 84.0 64.6 97.0

85 54.0 43.6 65.4

99 62.1 48.2 72.2

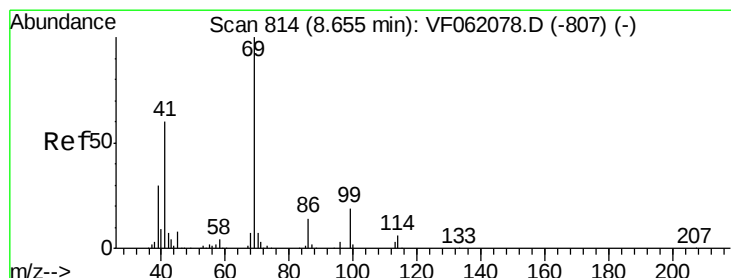
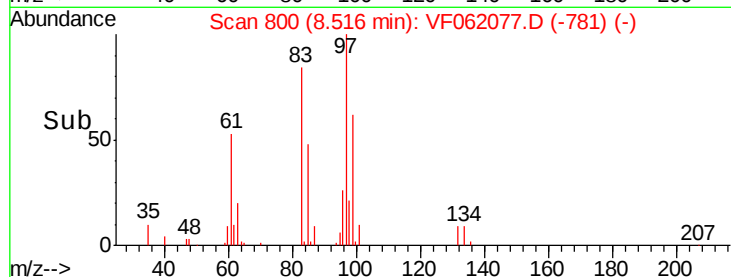
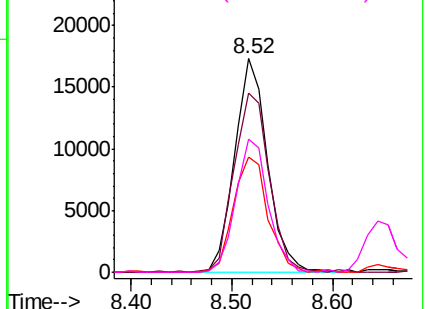


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.656 ug/l

RT: 8.64 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

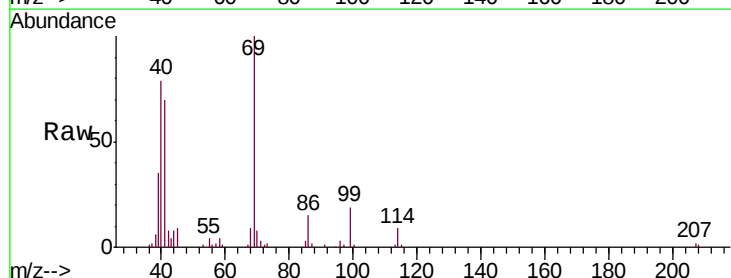
Tgt Ion: 69 Resp: 48450

Ion Ratio Lower Upper

69 100

41 70.4 48.2 72.2

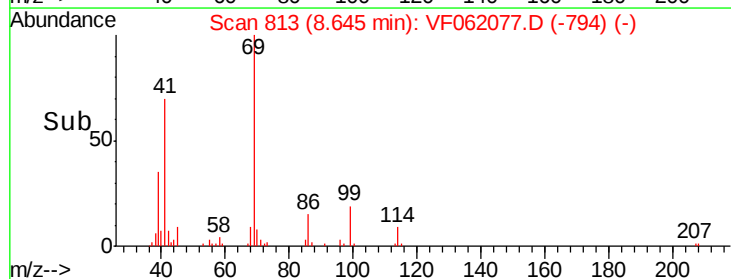
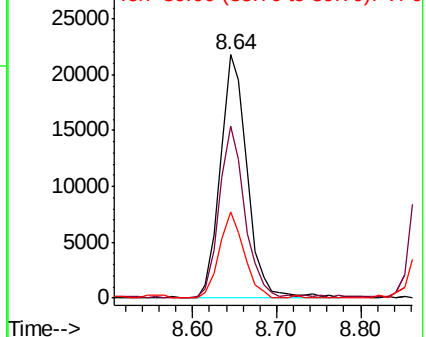
39 35.2 24.0 36.0

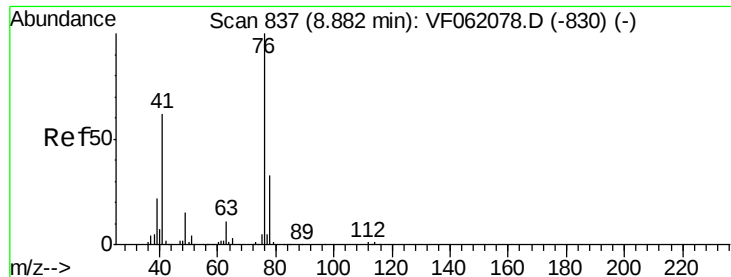


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.418 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

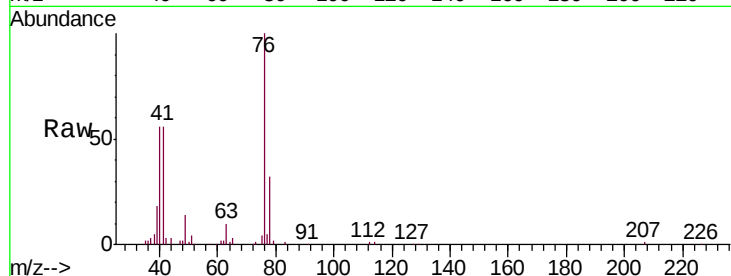
VSTDIC020

Tgt Ion: 76 Resp: 66647

Ion Ratio Lower Upper

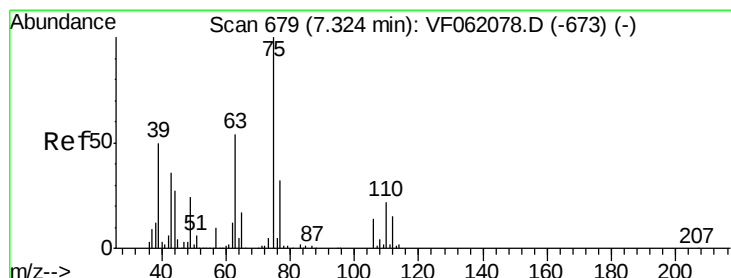
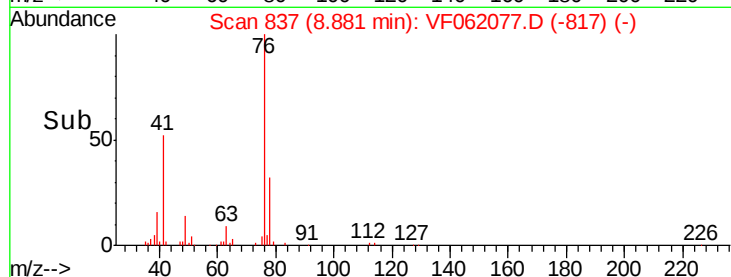
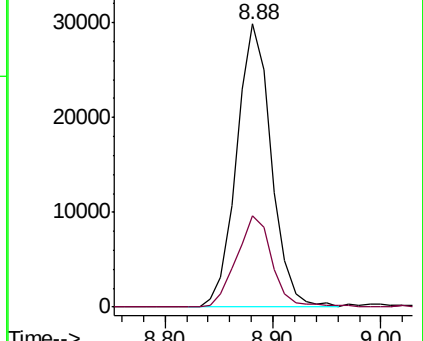
76 100

78 32.5 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 99.239 ug/l

RT: 7.32 min Scan# 679

Delta R.T. -0.00 min

Lab File: VF062077.D

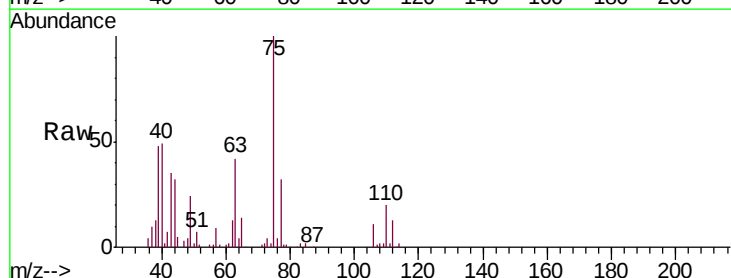
Acq: 22 Mar 2019 11:56

Tgt Ion: 63 Resp: 35321

Ion Ratio Lower Upper

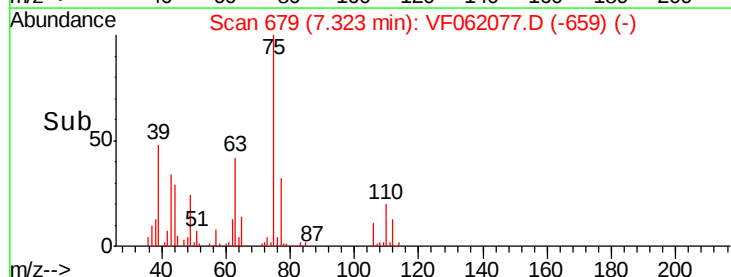
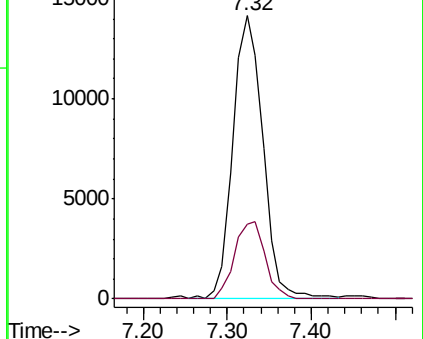
63 100

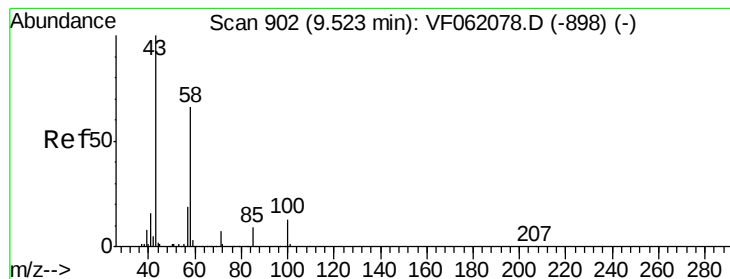
106 26.4 21.5 32.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 106.567 ug/l

RT: 9.52 min Scan# 902

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

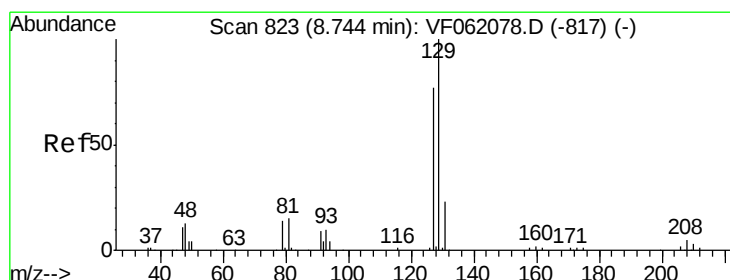
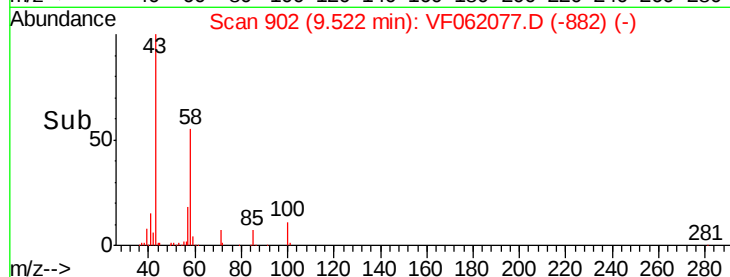
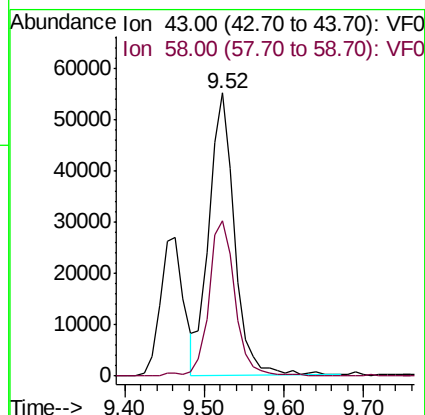
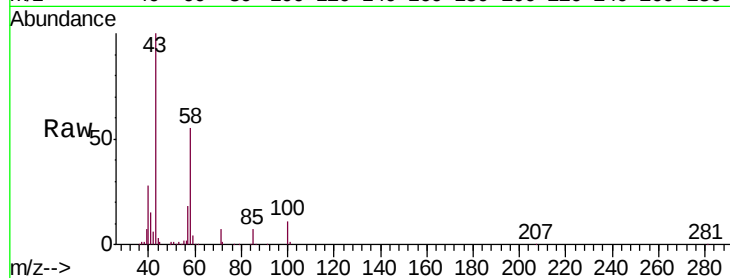
VSTDIC020

Tgt Ion: 43 Resp: 123376

Ion Ratio Lower Upper

43 100

58 54.7 28.8 86.4



#60

Dibromochloromethane

Concen: 20.607 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062077.D

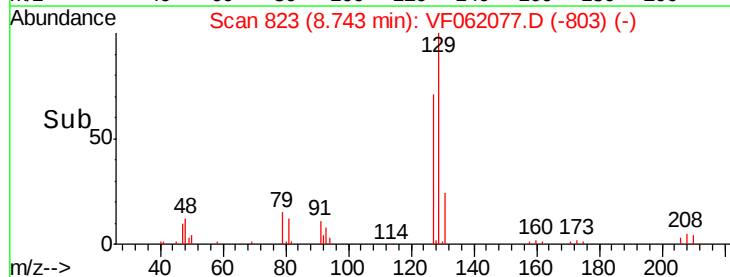
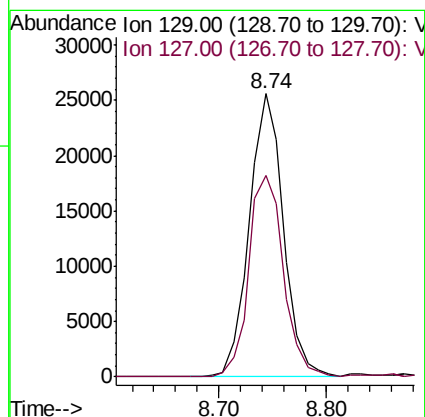
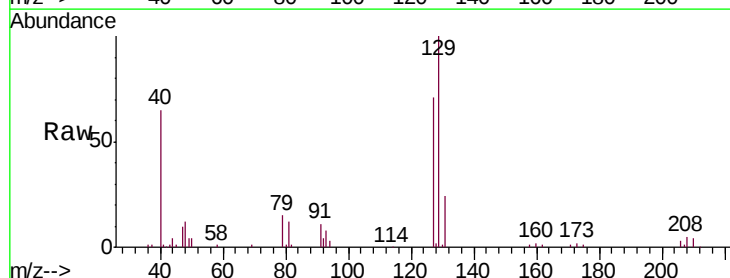
Acq: 22 Mar 2019 11:56

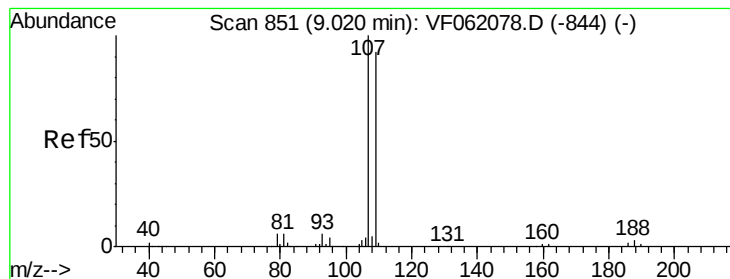
Tgt Ion: 129 Resp: 56342

Ion Ratio Lower Upper

129 100

127 71.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.457 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

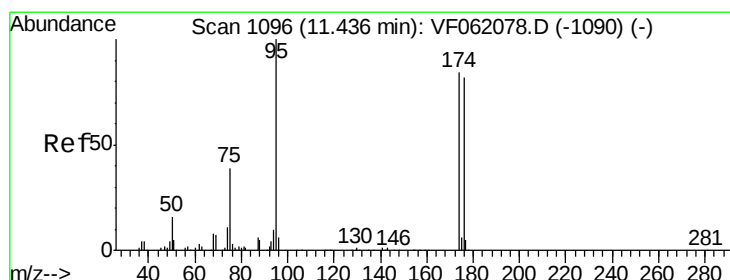
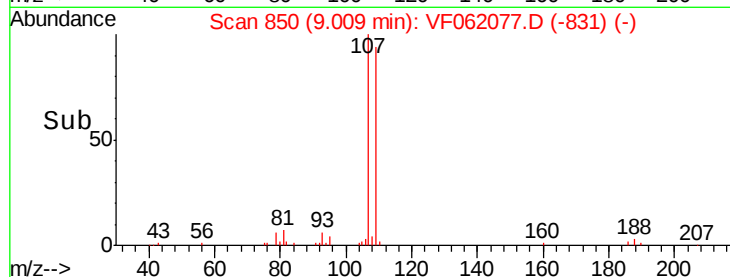
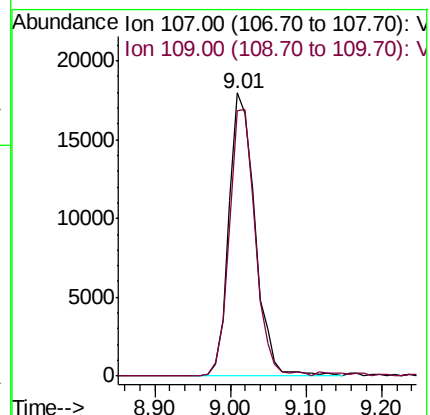
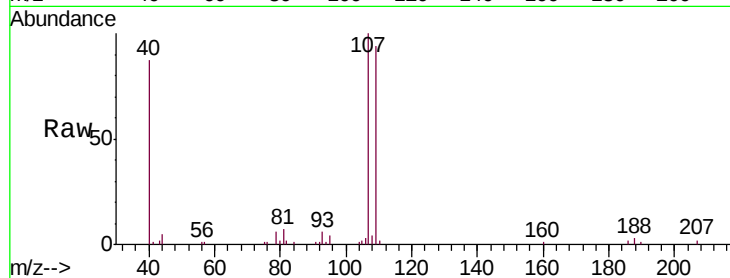
VSTDIC020

Tgt Ion: 107 Resp: 42923

Ion Ratio Lower Upper

107 100

109 93.8 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 20.400 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

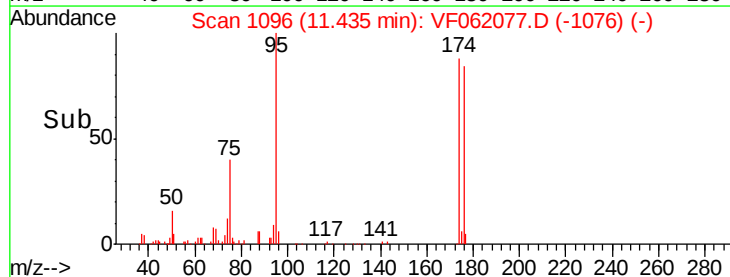
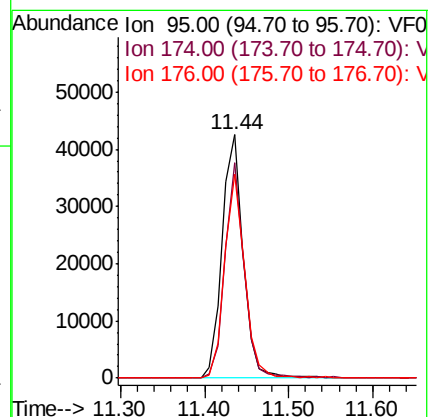
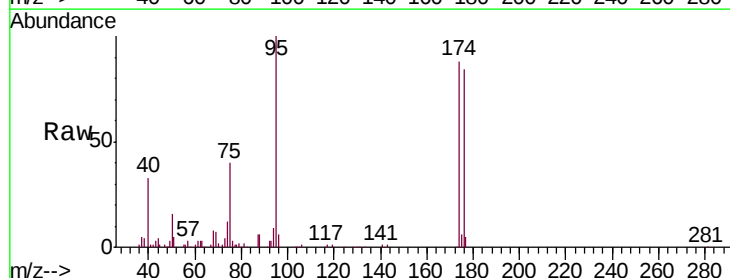
Tgt Ion: 95 Resp: 74448

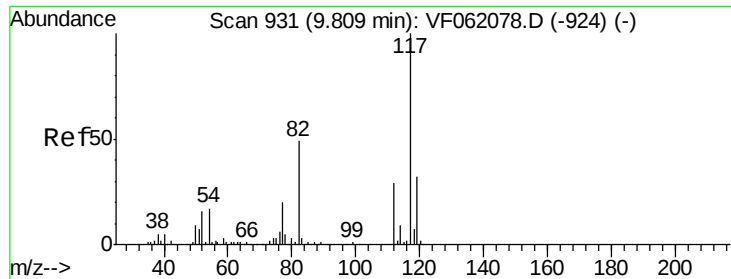
Ion Ratio Lower Upper

95 100

174 88.4 0.0 168.2

176 83.8 0.0 164.2

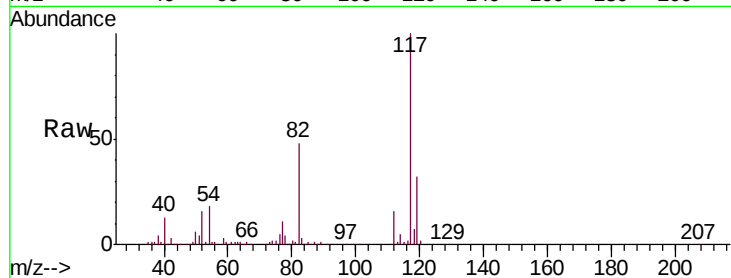




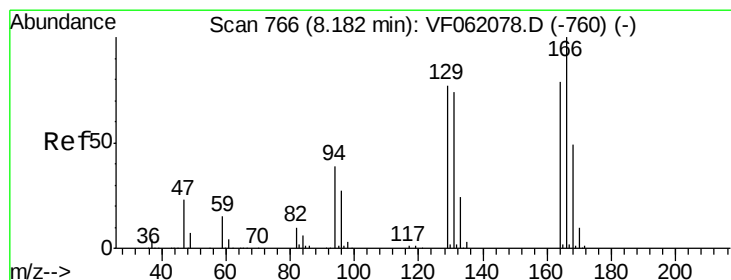
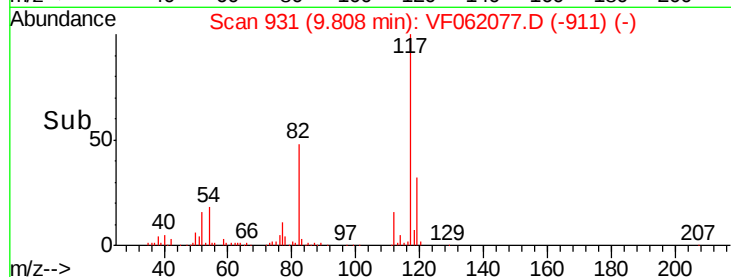
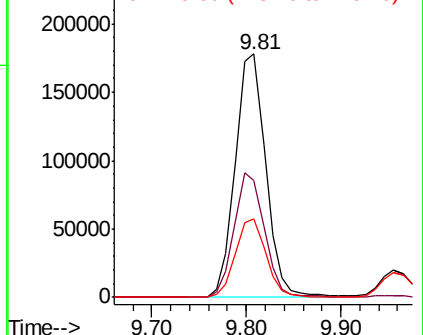
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 400435
Ion Ratio Lower Upper
117 100
82 47.9 39.2 58.8
119 32.3 25.4 38.2

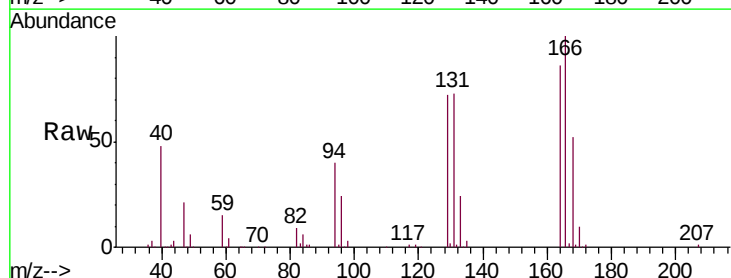


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

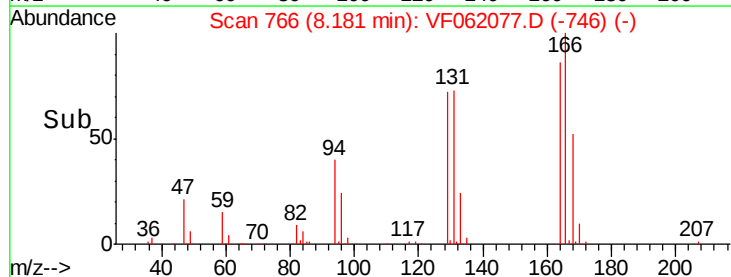
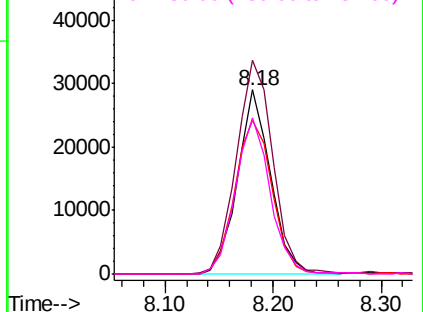


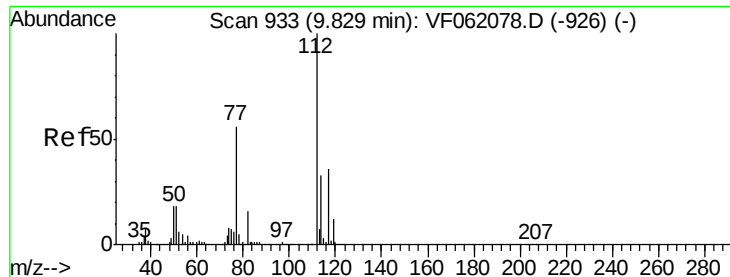
#64
Tetrachloroethene
Concen: 19.889 ug/l
RT: 8.18 min Scan# 766
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion:164 Resp: 61529
Ion Ratio Lower Upper
164 100
166 115.9 100.9 151.3
129 83.3 77.9 116.9
131 85.1 74.6 112.0



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: 20.062 ug/l

RT: 9.83 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

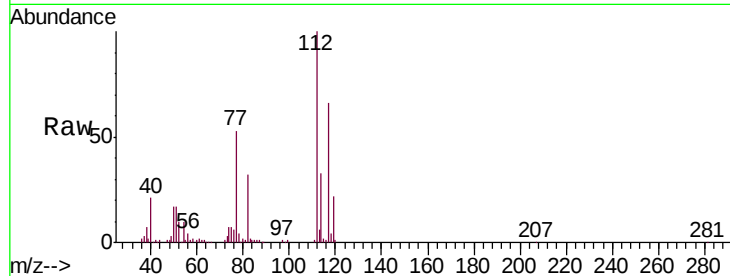
VSTDIC020

Tgt Ion:112 Resp: 150316

Ion Ratio Lower Upper

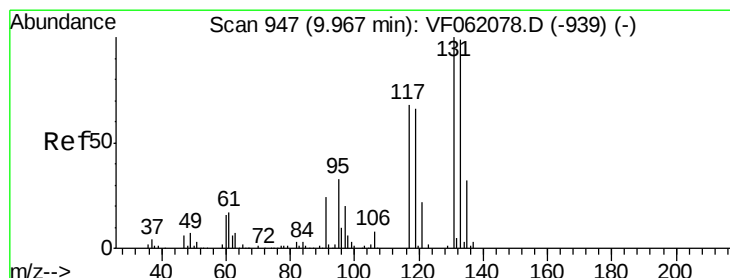
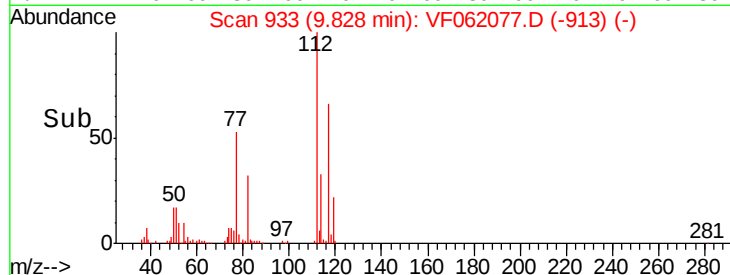
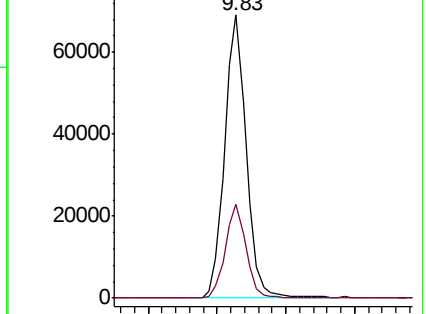
112 100

114 33.2 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.689 ug/l

RT: 9.96 min Scan# 946

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

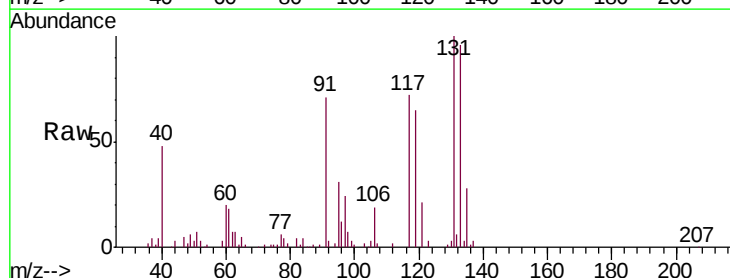
Tgt Ion:131 Resp: 59257

Ion Ratio Lower Upper

131 100

133 95.7 49.3 147.8

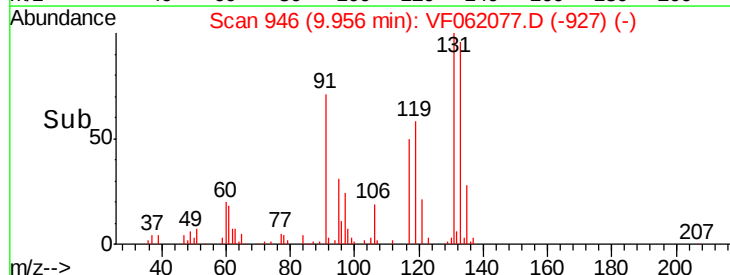
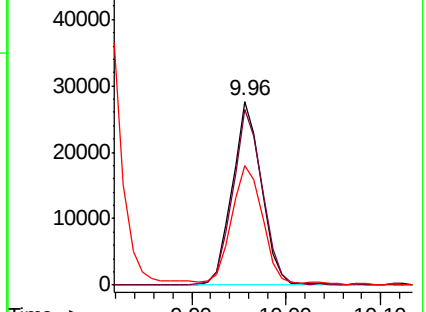
119 65.1 33.5 100.4

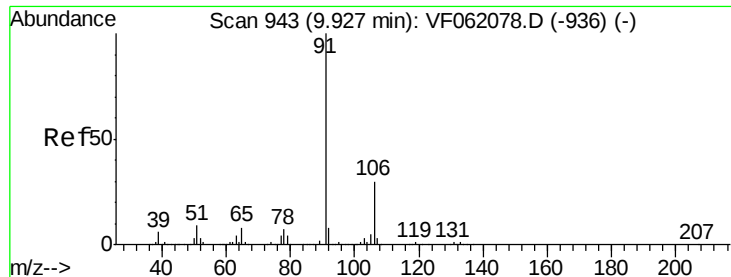


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.131 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

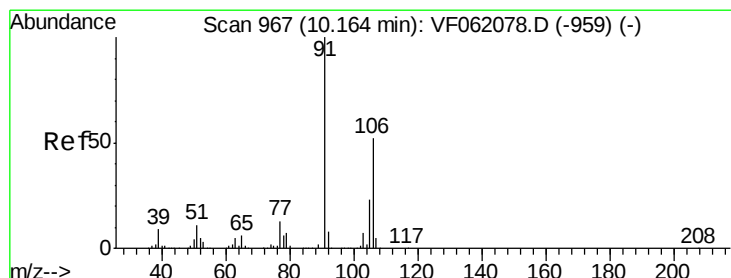
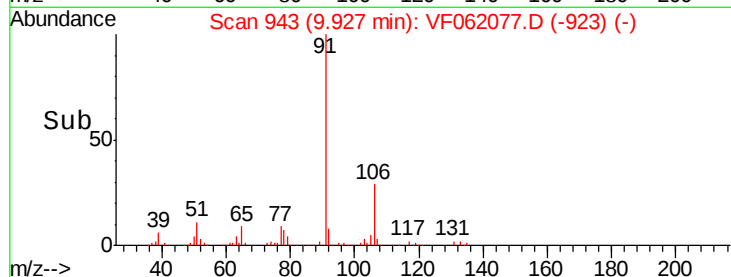
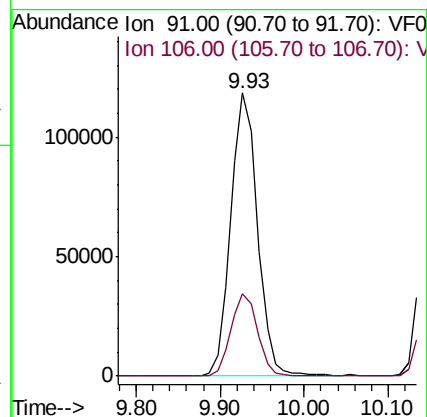
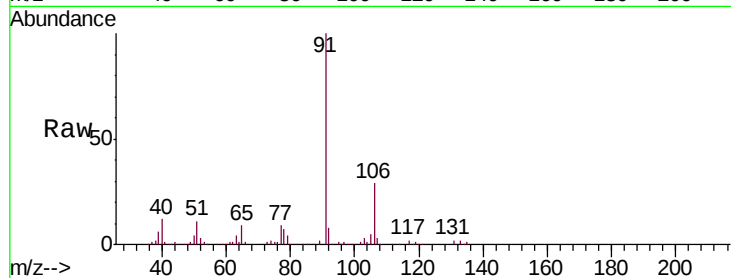
VSTDIC020

Tgt Ion: 91 Resp: 262302

Ion Ratio Lower Upper

91 100

106 29.2 24.0 36.0



#68

m/p-Xylenes

Concen: 41.473 ug/l

RT: 10.16 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062077.D

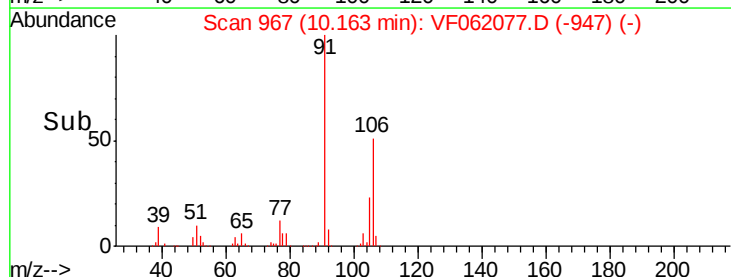
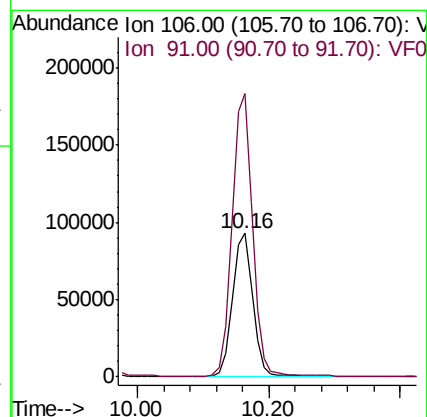
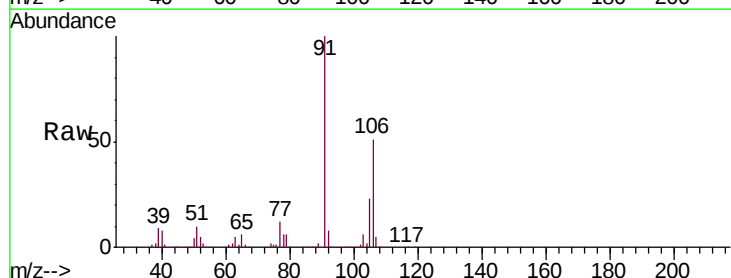
Acq: 22 Mar 2019 11:56

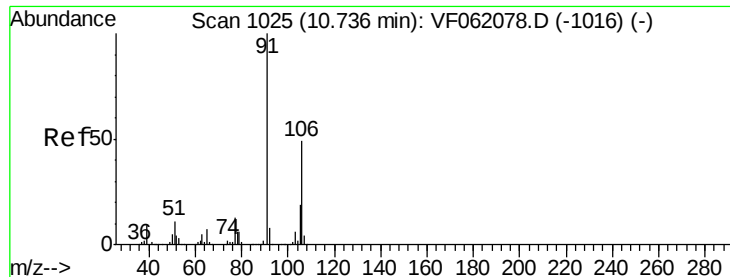
Tgt Ion: 106 Resp: 201975

Ion Ratio Lower Upper

106 100

91 197.4 154.4 231.6

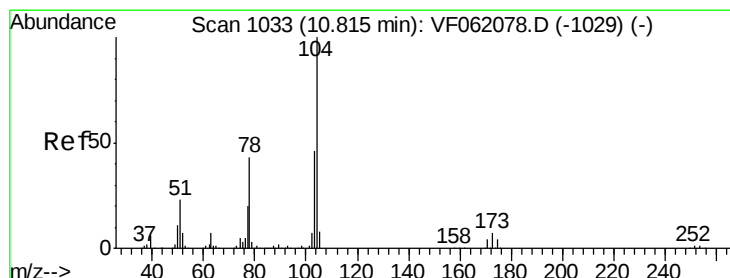
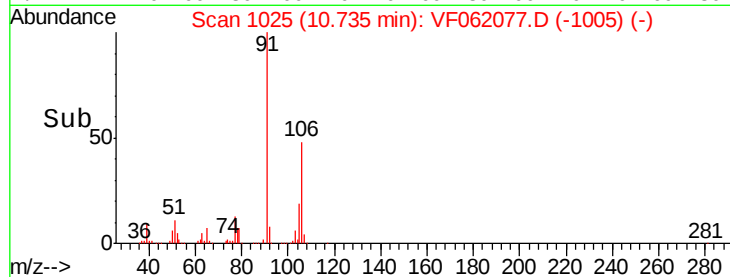
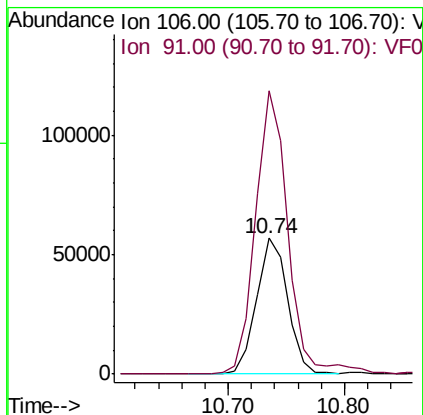
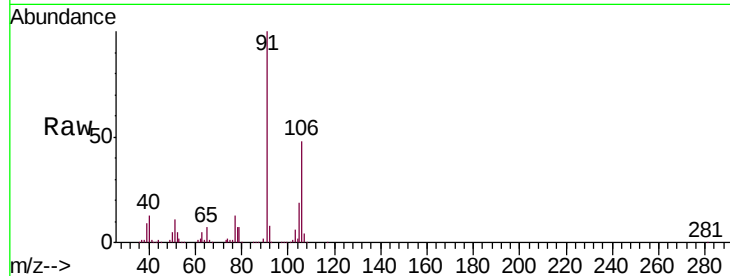




#69
o-Xylene
Concen: 20.802 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

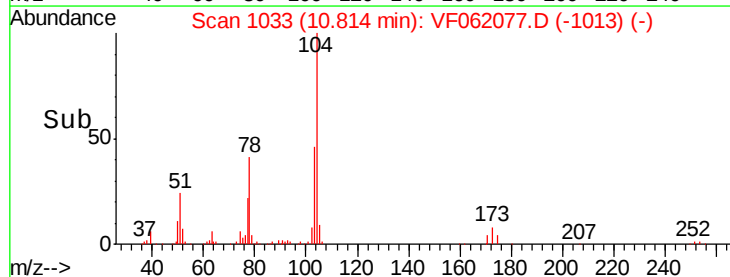
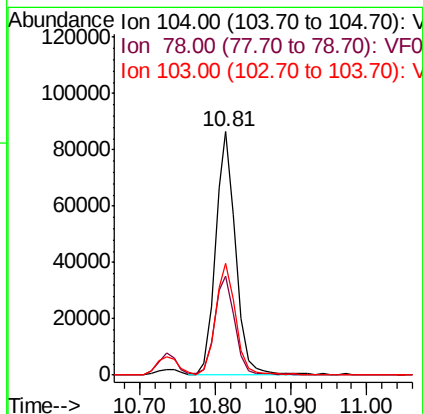
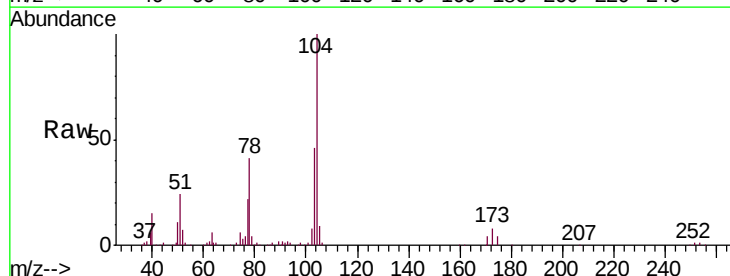
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

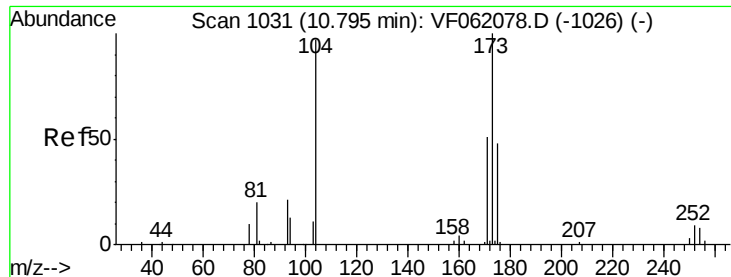
Tgt Ion:106 Resp: 106106
Ion Ratio Lower Upper
106 100
91 208.6 102.6 307.8



#70
Styrene
Concen: 20.897 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion:104 Resp: 161501
Ion Ratio Lower Upper
104 100
78 40.5 34.3 51.5
103 46.1 36.9 55.3





#71

Bromoform

Concen: 20.911 ug/l

RT: 10.79 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

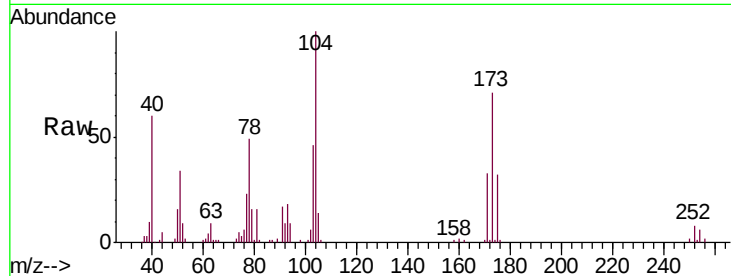
Tgt Ion:173 Resp: 32189

Ion Ratio Lower Upper

173 100

175 45.8 24.1 72.4

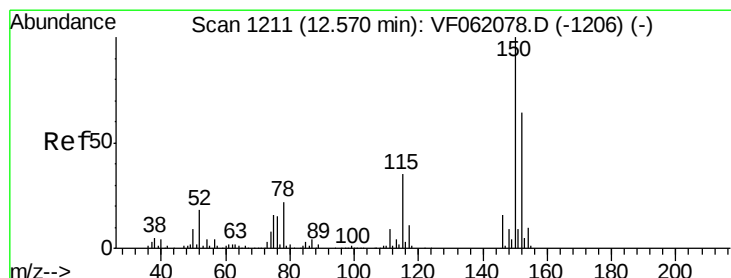
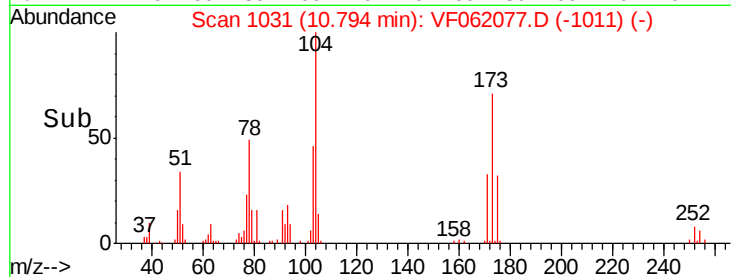
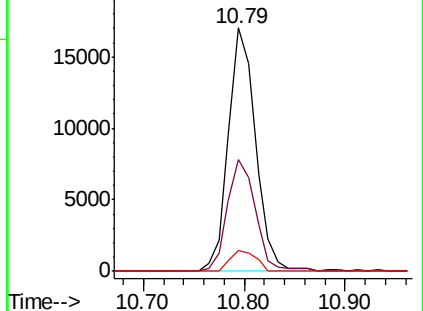
254 8.4 6.2 9.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

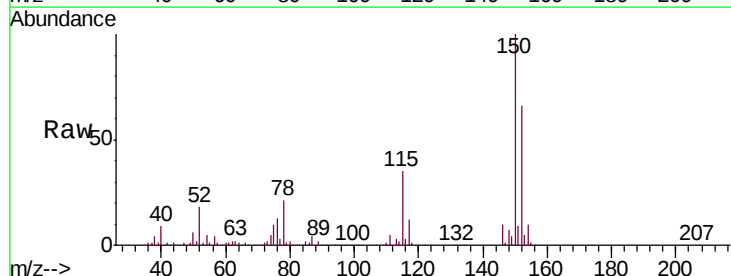
Tgt Ion:152 Resp: 215399

Ion Ratio Lower Upper

152 100

115 52.9 27.7 83.1

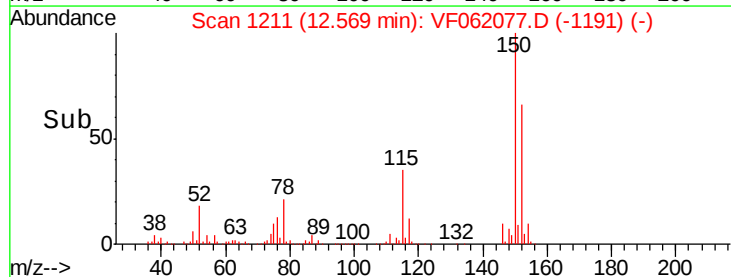
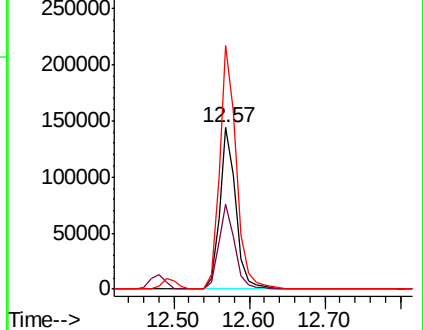
150 150.8 0.0 313.2

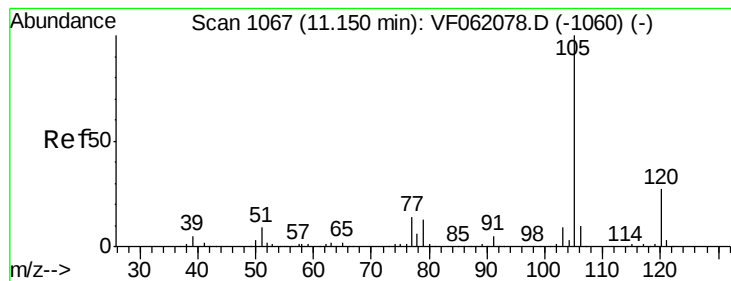


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.078 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

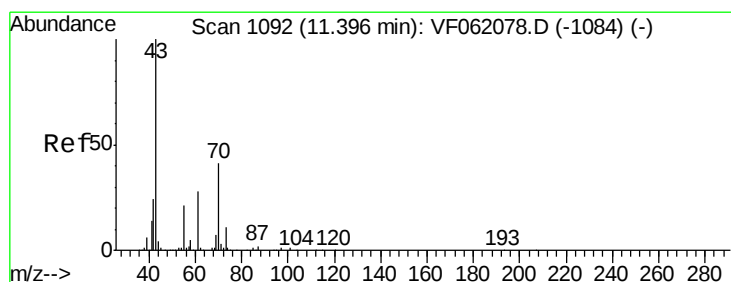
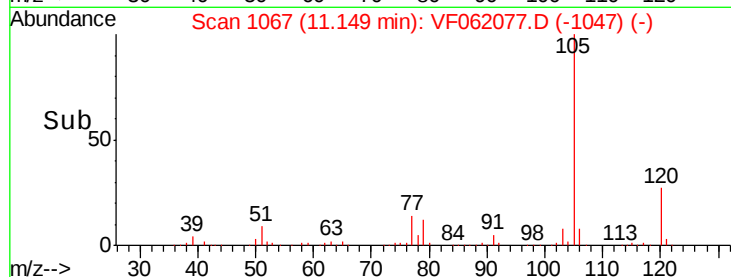
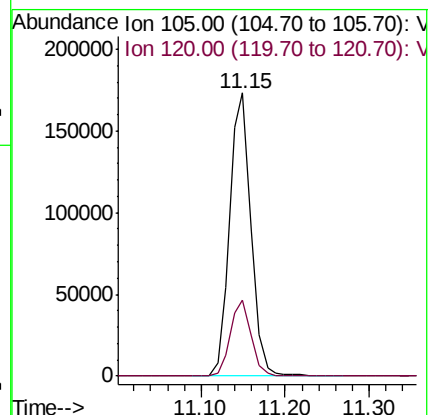
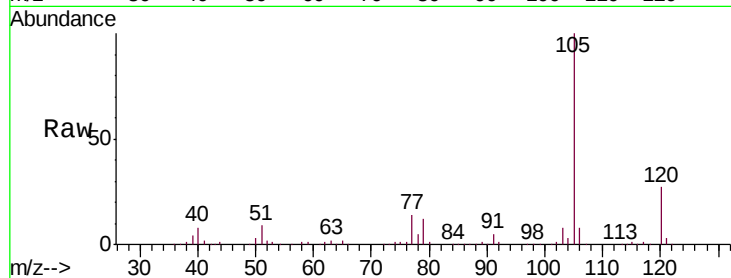
VSTDIC020

Tgt Ion: 105 Resp: 304316

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



#74

N-ethyl acetate

Concen: 20.259 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Tgt Ion: 43 Resp: 73167

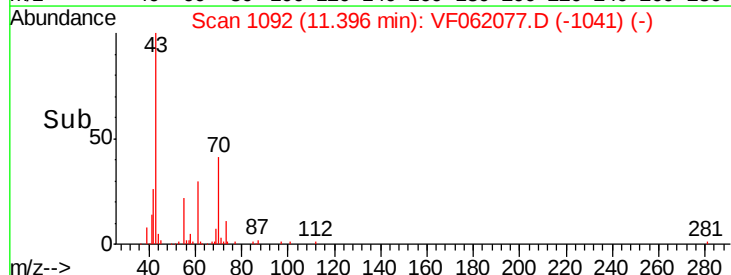
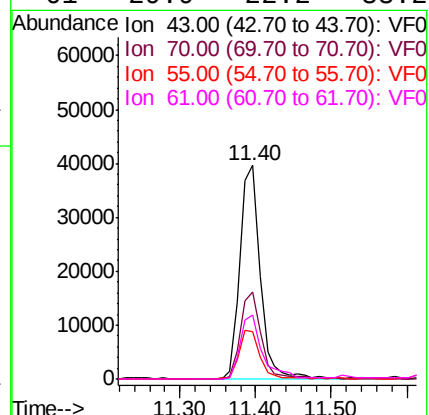
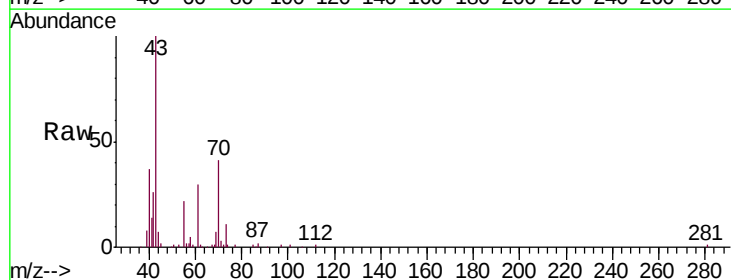
Ion Ratio Lower Upper

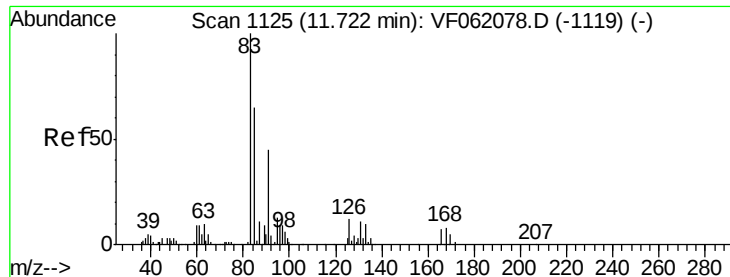
43 100

70 41.0 32.9 49.3

55 22.2 17.1 25.7

61 29.9 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.384 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

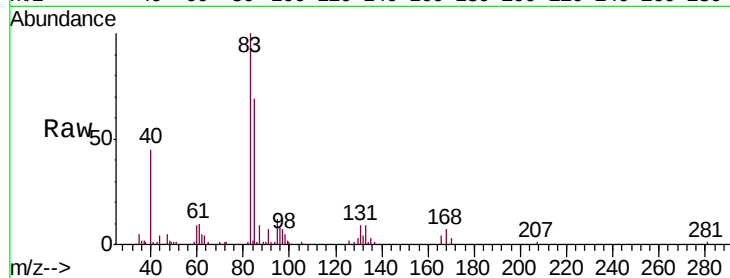
Tgt Ion: 83 Resp: 50446

Ion Ratio Lower Upper

83 100

131 9.2 5.3 15.8

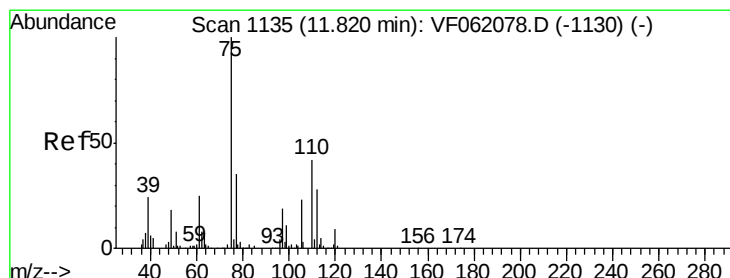
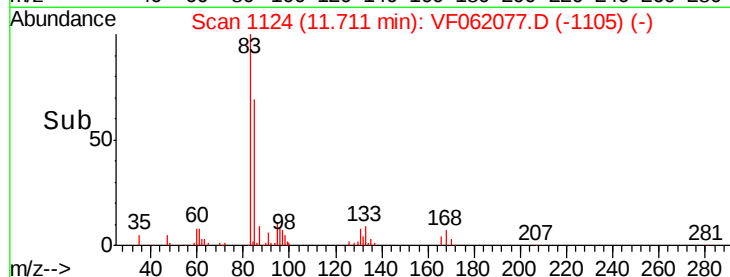
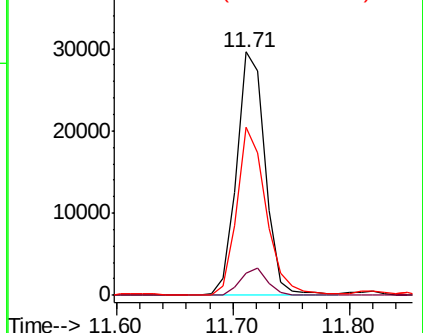
85 68.9 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.217 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062077.D

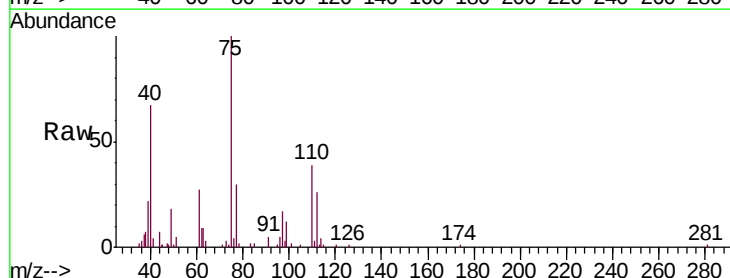
Acq: 22 Mar 2019 11:56

Tgt Ion: 75 Resp: 37027

Ion Ratio Lower Upper

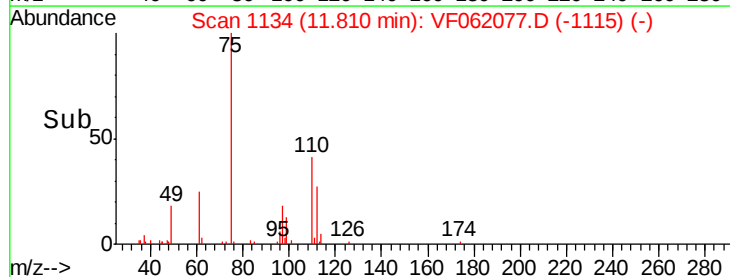
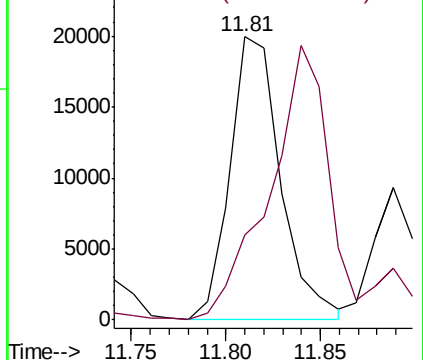
75 100

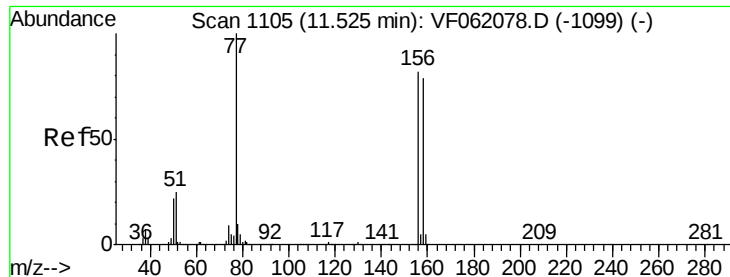
77 30.2 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.420 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

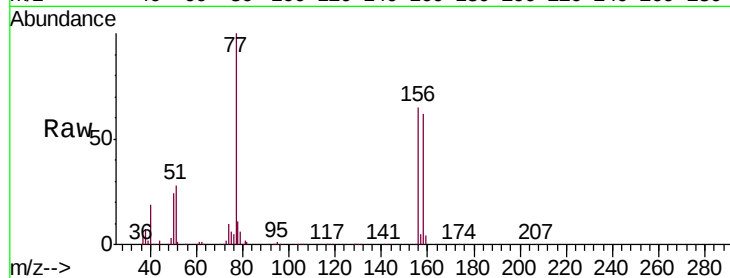
Tgt Ion:156 Resp: 75617

Ion Ratio Lower Upper

156 100

77 153.0 61.3 183.9

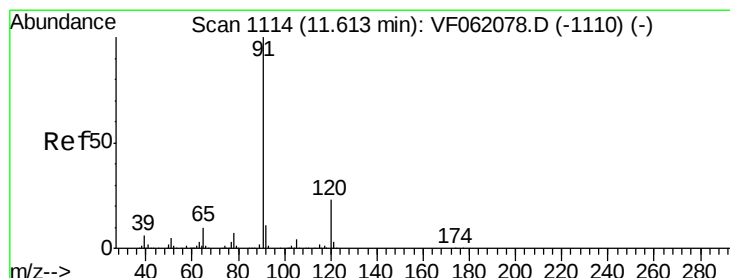
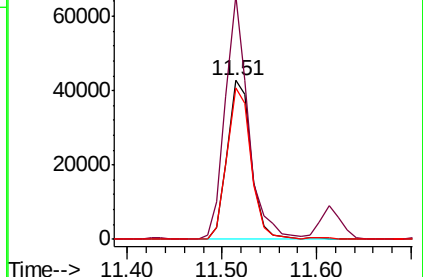
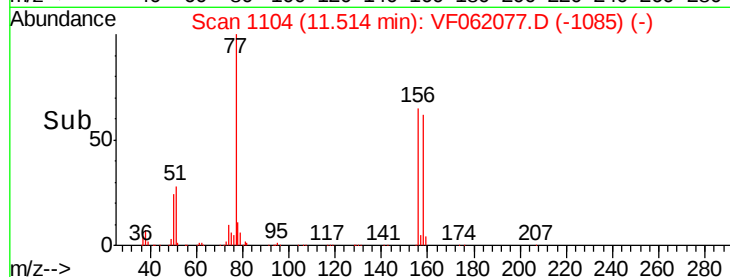
158 95.2 48.6 145.9



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: 20.793 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF062077.D

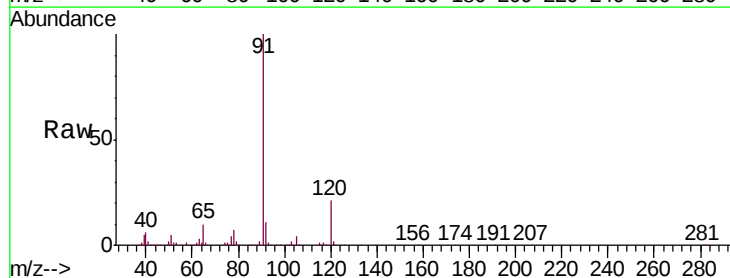
Acq: 22 Mar 2019 11:56

Tgt Ion: 91 Resp: 365956

Ion Ratio Lower Upper

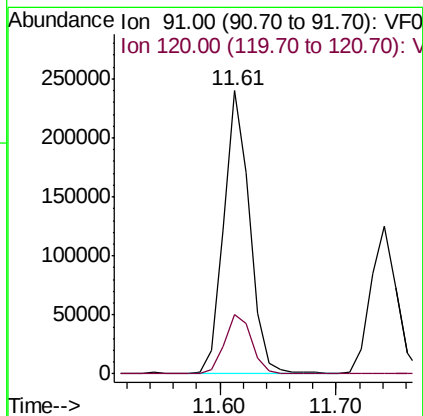
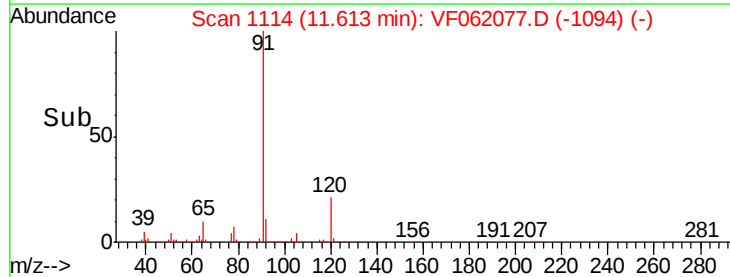
91 100

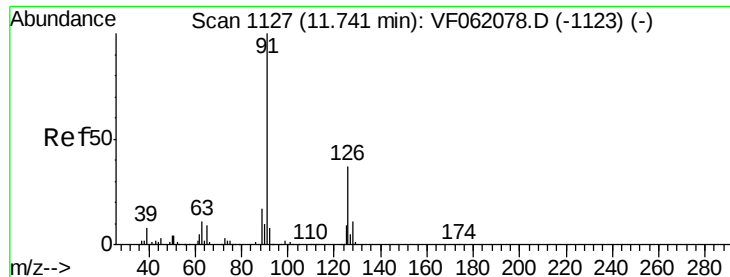
120 20.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.695 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

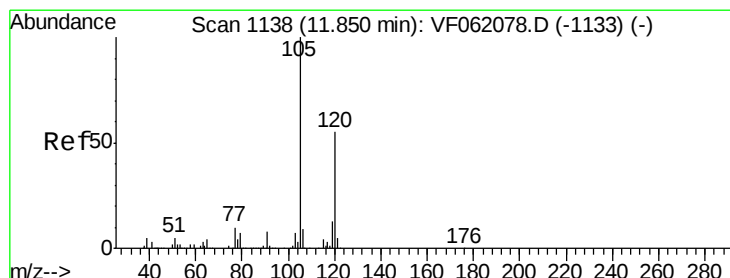
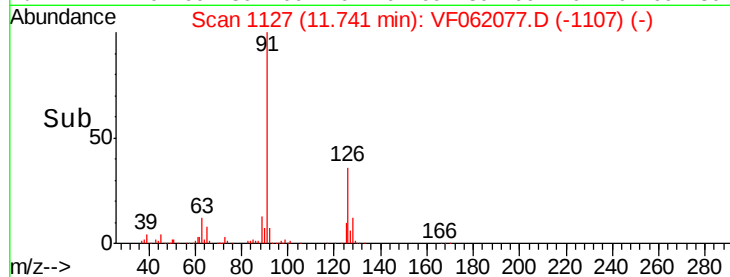
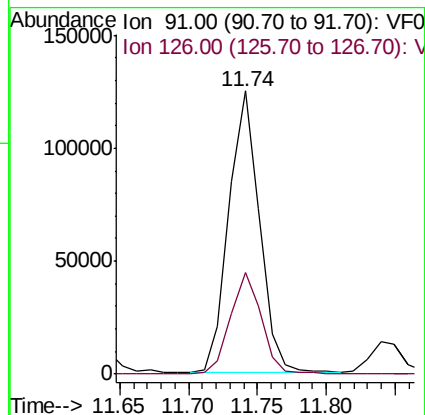
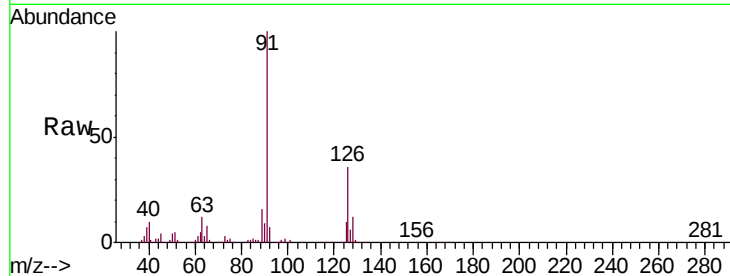
VSTDIC020

Tgt Ion: 91 Resp: 192660

Ion Ratio Lower Upper

91 100

126 36.1 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 19.993 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF062077.D

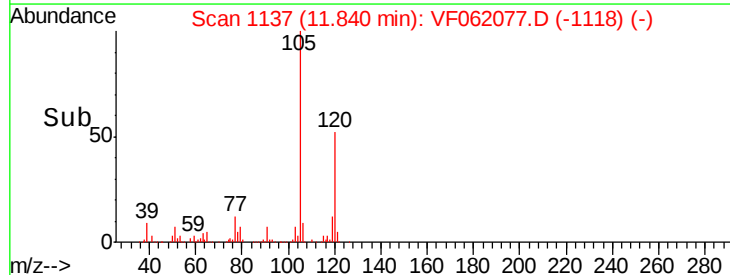
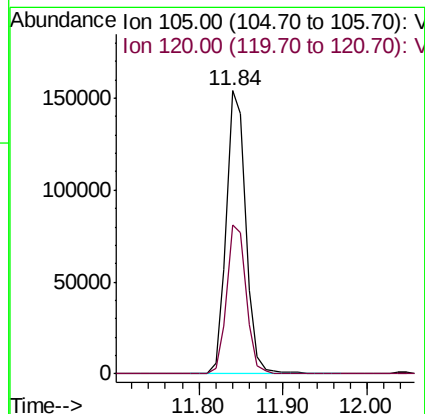
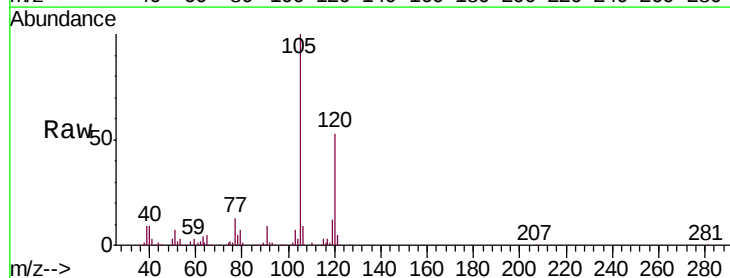
Acq: 22 Mar 2019 11:56

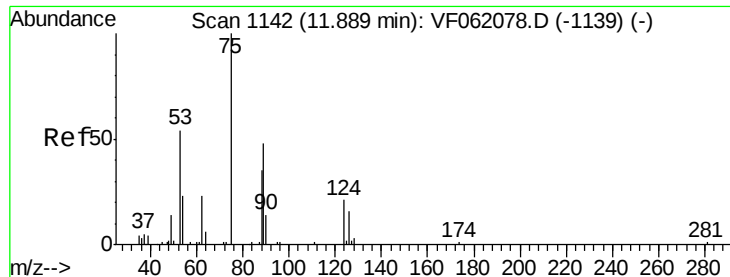
Tgt Ion: 105 Resp: 249259

Ion Ratio Lower Upper

105 100

120 52.7 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.963 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

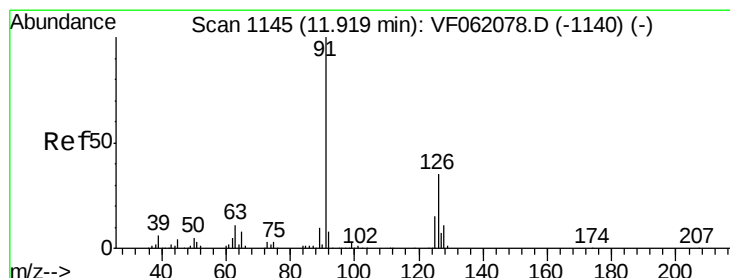
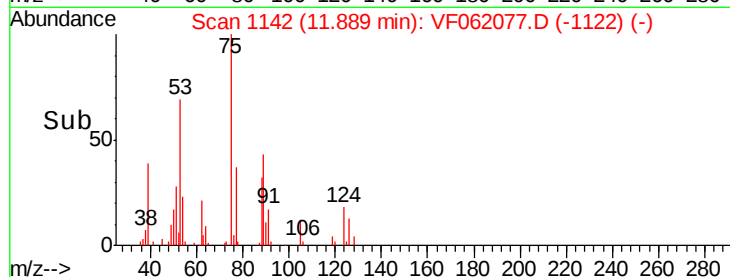
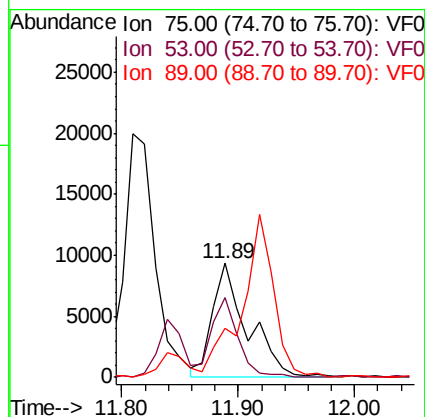
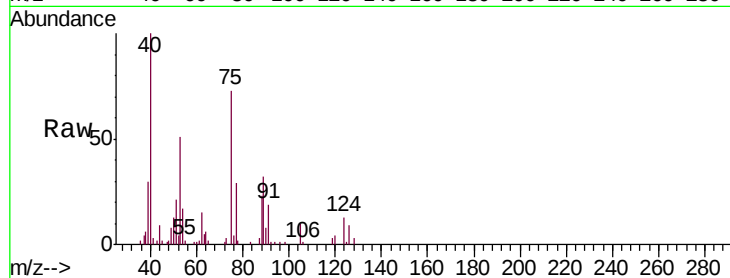
Tgt Ion: 75 Resp: 19719

Ion Ratio Lower Upper

75 100

53 69.5 49.4 74.0

89 43.4 40.6 60.8



#82

4-Chlorotoluene

Concen: 19.455 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF062077.D

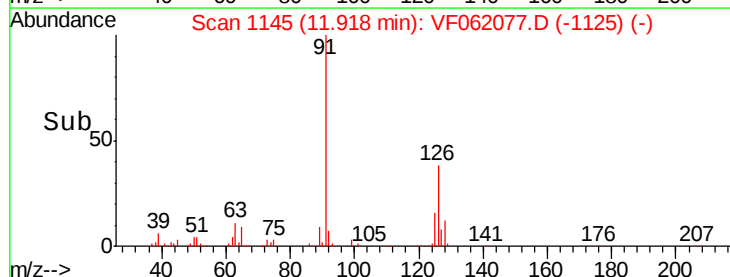
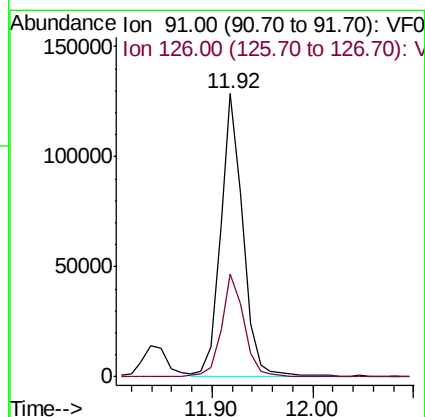
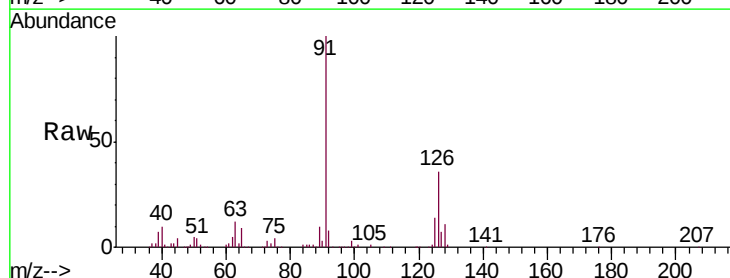
Acq: 22 Mar 2019 11:56

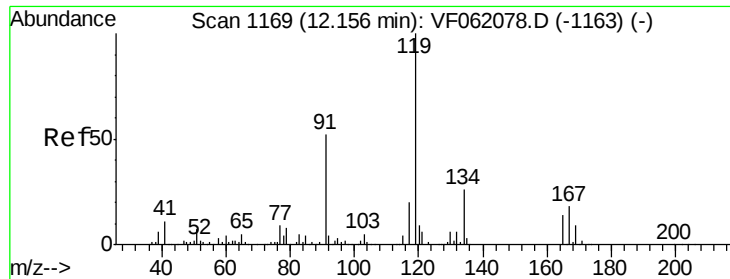
Tgt Ion: 91 Resp: 195133

Ion Ratio Lower Upper

91 100

126 36.5 17.2 51.6

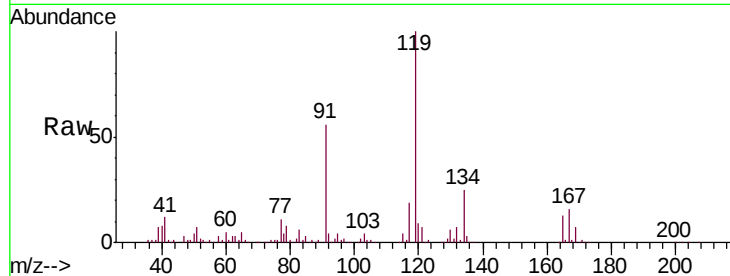




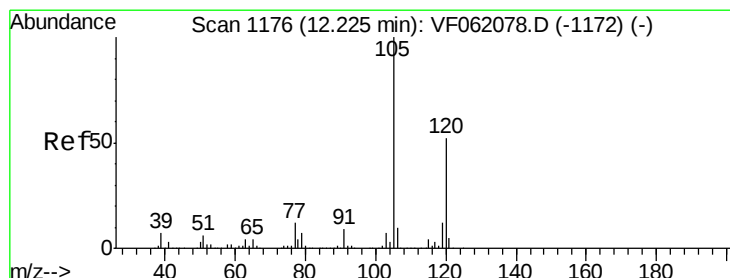
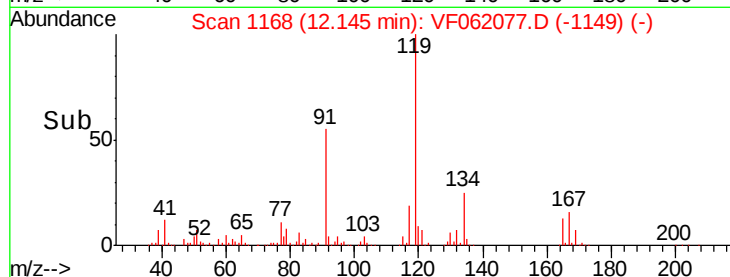
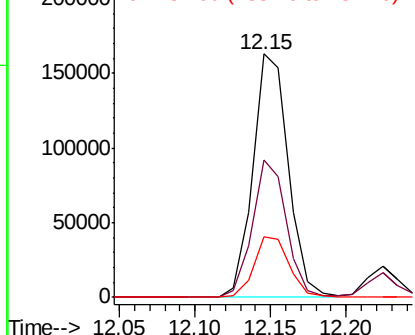
#83
tert-Butylbenzene
Concen: 20.487 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:119 Resp: 267375
Ion Ratio Lower Upper
119 100
91 56.2 26.1 78.2
134 25.1 12.8 38.4

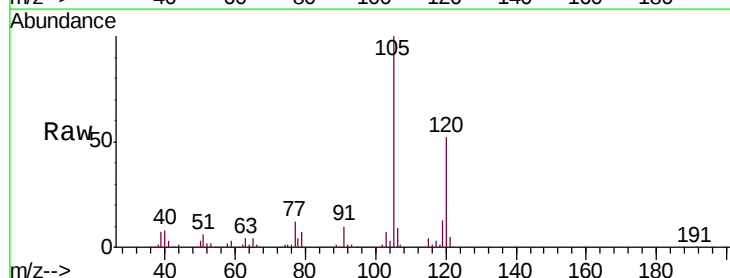


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

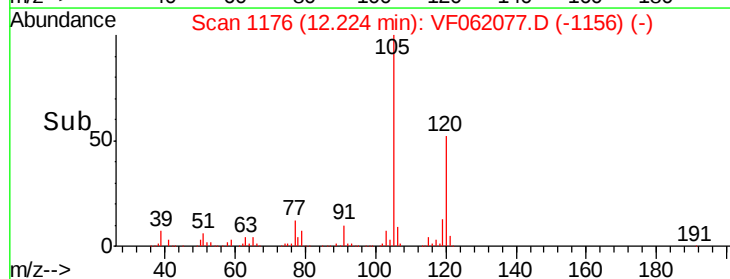
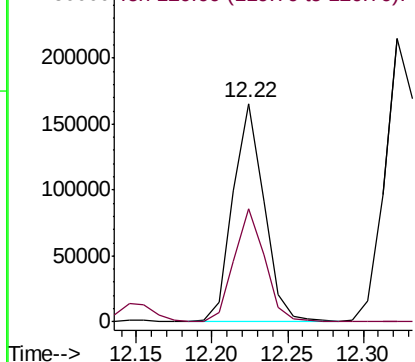


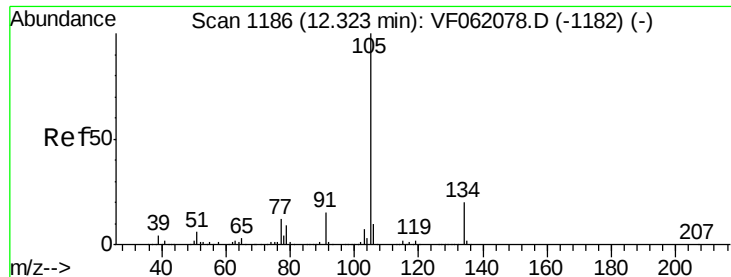
#84
1,2,4-Trimethylbenzene
Concen: 19.471 ug/l
RT: 12.22 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion:105 Resp: 237967
Ion Ratio Lower Upper
105 100
120 51.6 26.1 78.2



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





#85

sec-Butylbenzene

Concen: 19.503 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

Instrument :

MSVOA_F

ClientSampleId :

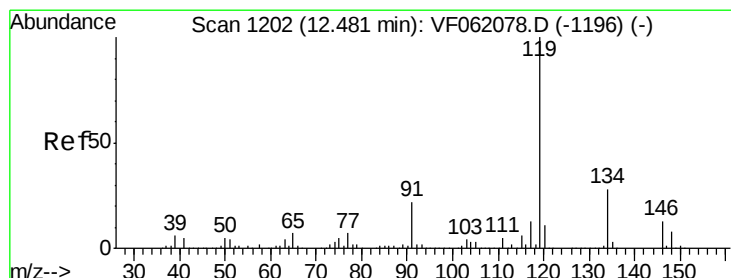
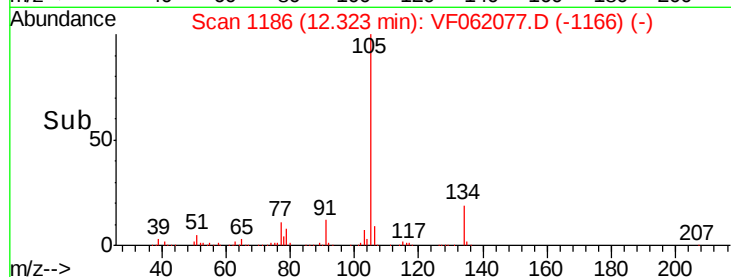
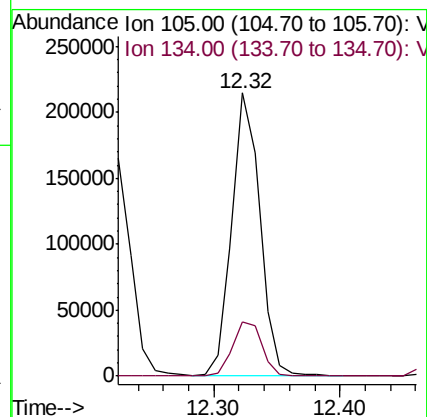
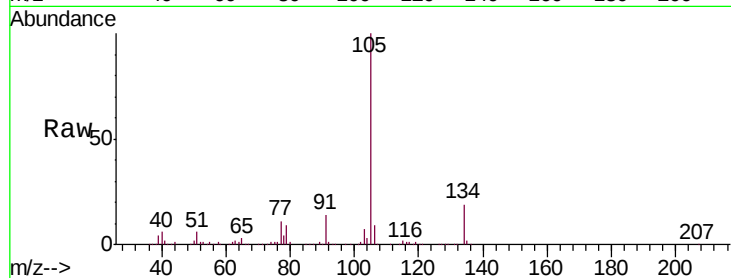
VSTDIC020

Tgt Ion:105 Resp: 329274

Ion Ratio Lower Upper

105 100

134 19.1 10.2 30.4



#86

p-Isopropyltoluene

Concen: 19.373 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF062077.D

Acq: 22 Mar 2019 11:56

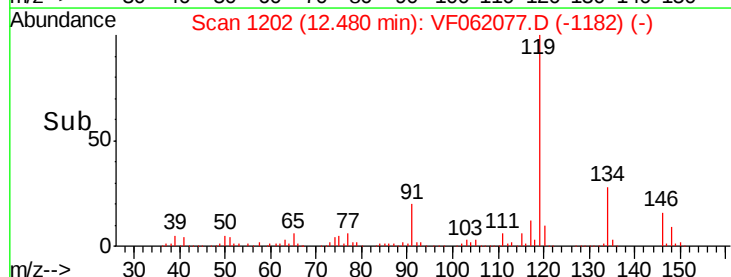
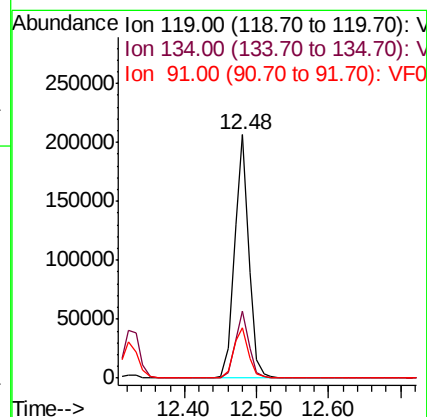
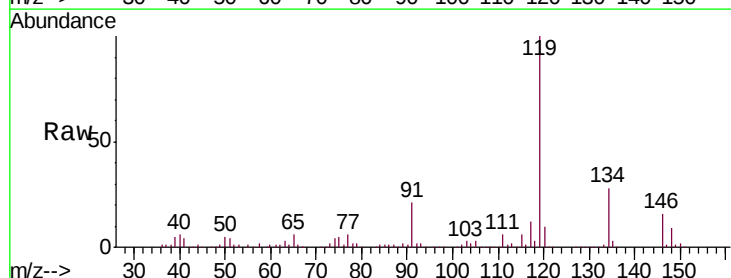
Tgt Ion:119 Resp: 283373

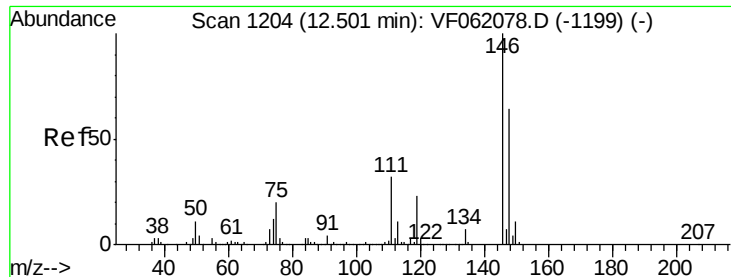
Ion Ratio Lower Upper

119 100

134 27.6 14.0 42.0

91 20.5 10.8 32.4

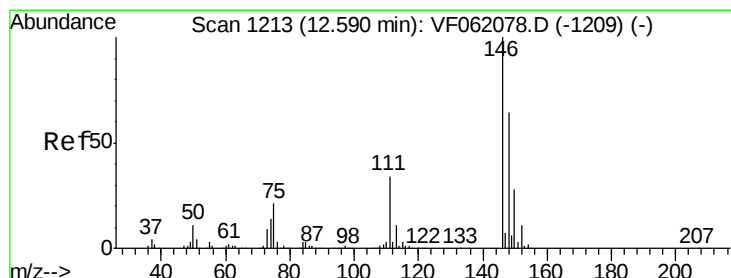
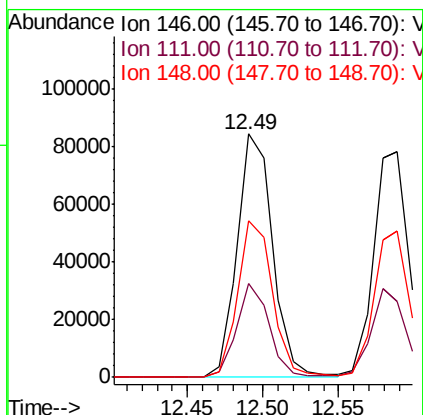
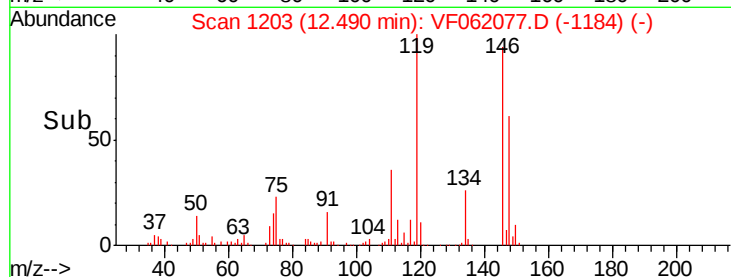
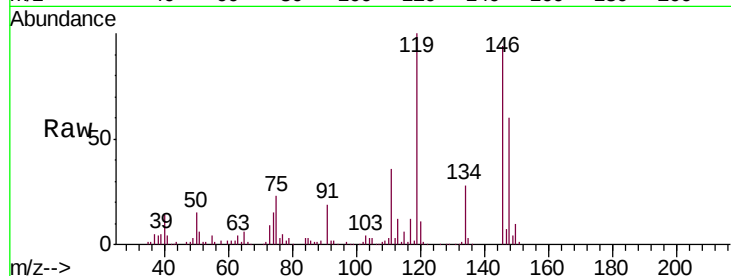




#87
 1,3-Dichlorobenzene
 Concen: 20.013 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

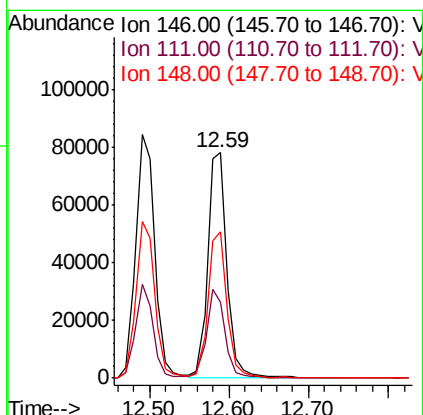
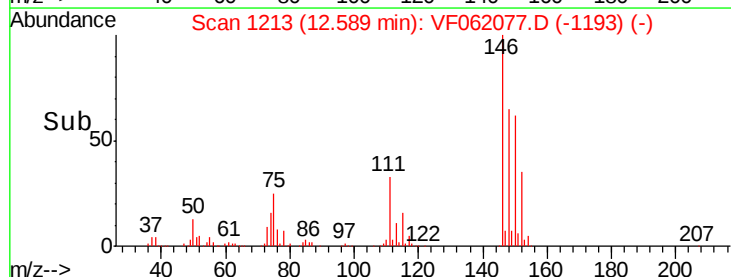
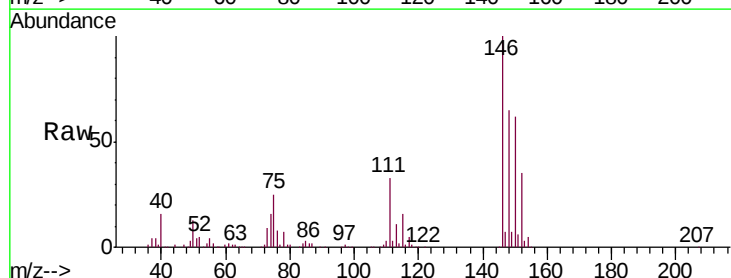
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

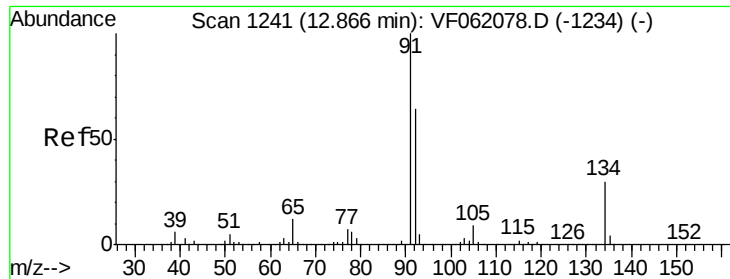
Tgt Ion:146 Resp: 137688
 Ion Ratio Lower Upper
 146 100
 111 38.5 16.1 48.3
 148 64.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.697 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion:146 Resp: 132234
 Ion Ratio Lower Upper
 146 100
 111 33.4 16.9 50.6
 148 65.2 31.9 95.7

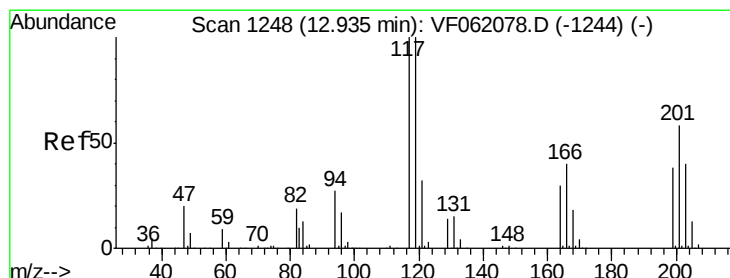
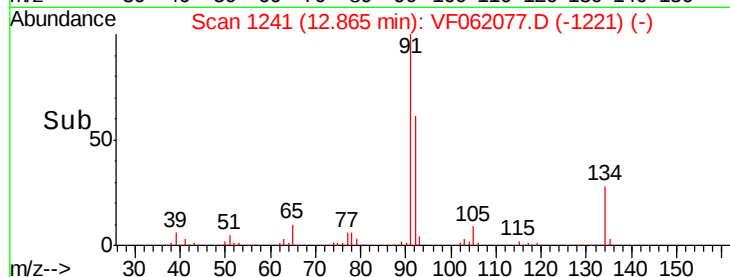
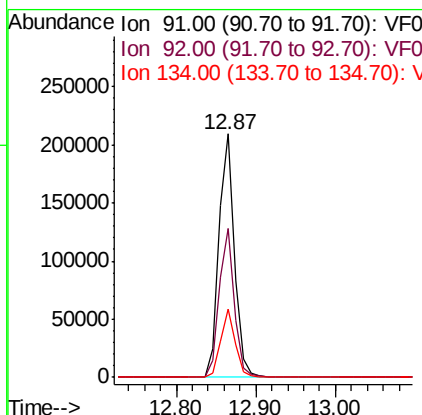
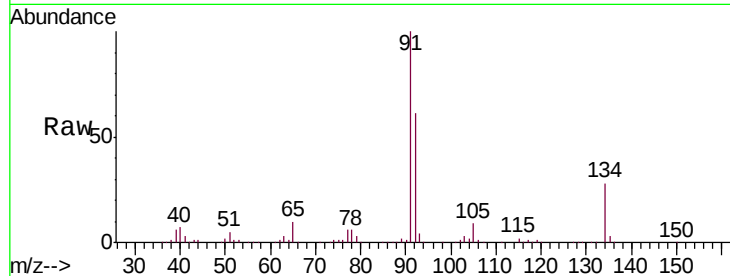




#89
n-Butylbenzene
Concen: 20.798 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

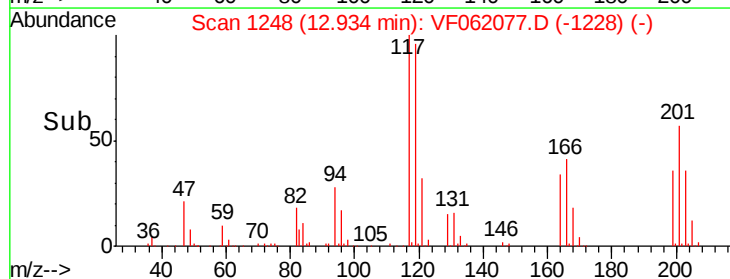
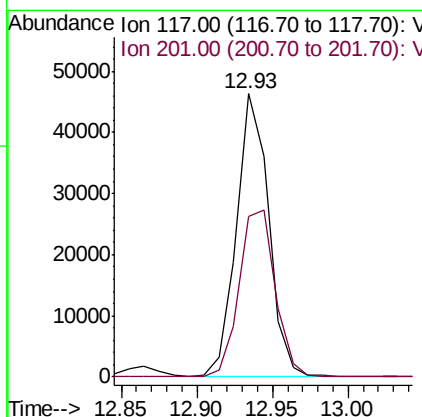
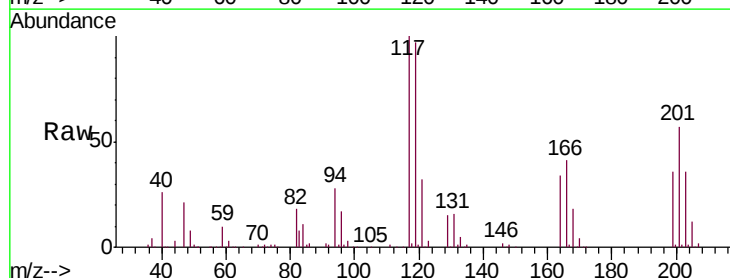
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

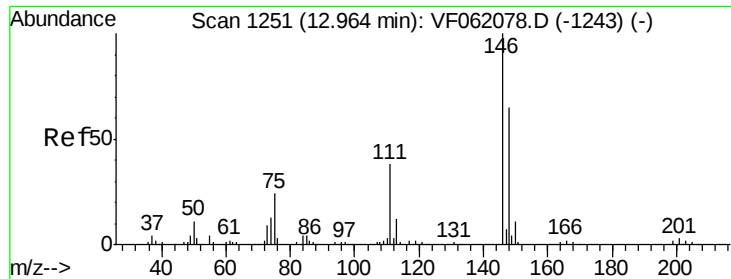
Tgt Ion: 91 Resp: 290236
Ion Ratio Lower Upper
91 100
92 60.9 31.9 95.5
134 27.8 14.9 44.9



#90
Hexachloroethane
Concen: 19.669 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion: 117 Resp: 68507
Ion Ratio Lower Upper
117 100
201 56.8 28.7 86.1

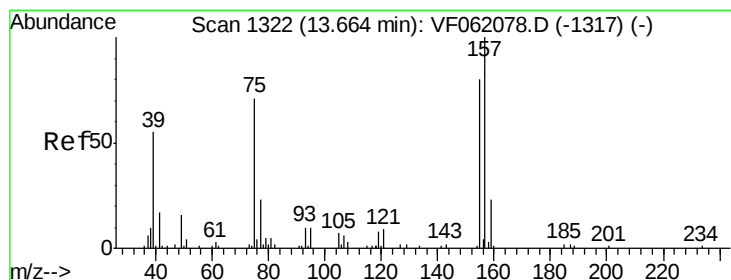
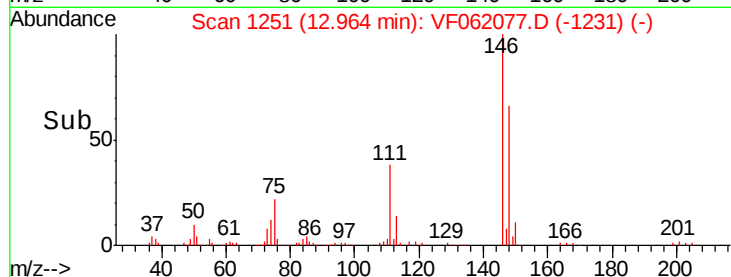
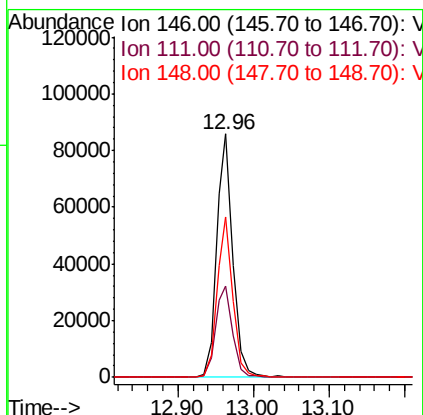
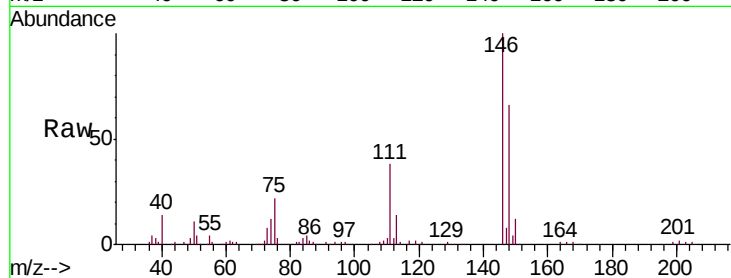




#91
 1,2-Dichlorobenzene
 Concen: 20.050 ug/l
 RT: 12.96 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

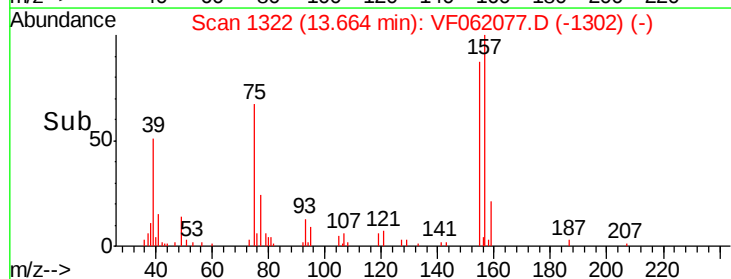
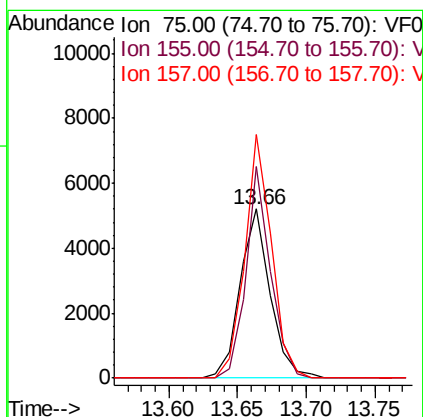
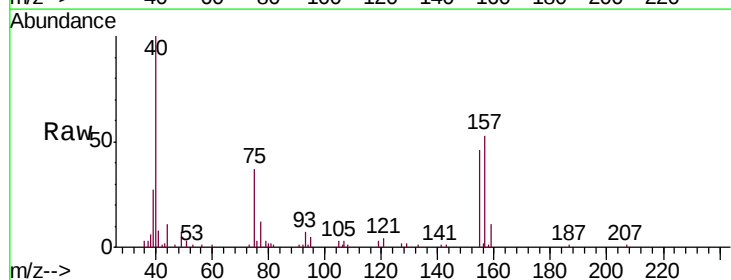
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

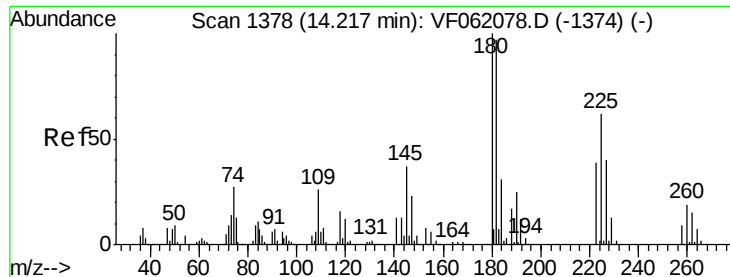
Tgt Ion:146 Resp: 129528
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.3
 148 65.9 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.154 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion: 75 Resp: 7947
 Ion Ratio Lower Upper
 75 100
 155 125.1 56.1 168.4
 157 144.0 70.4 211.2

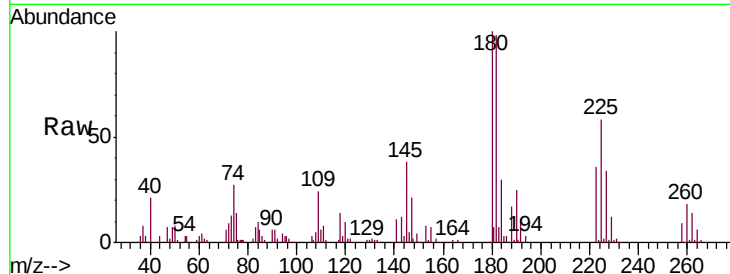




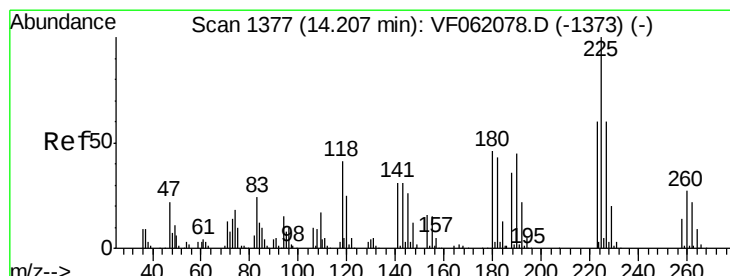
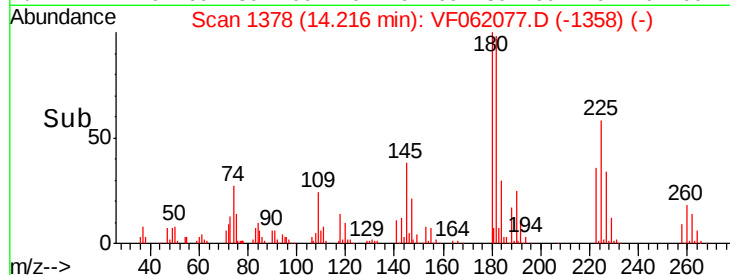
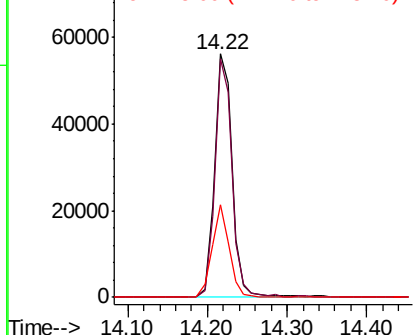
#93
 1,2,4-Trichlorobenzene
 Concen: 19.622 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 88344
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.7 146.1
 145 37.8 18.3 54.8

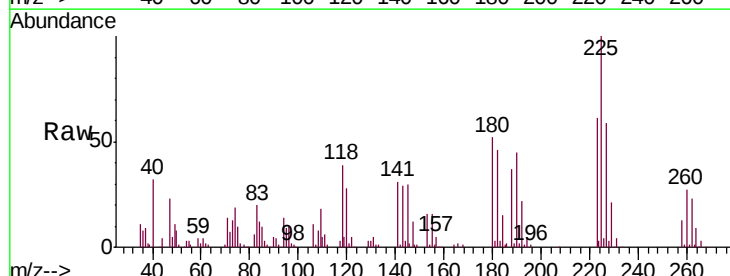


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

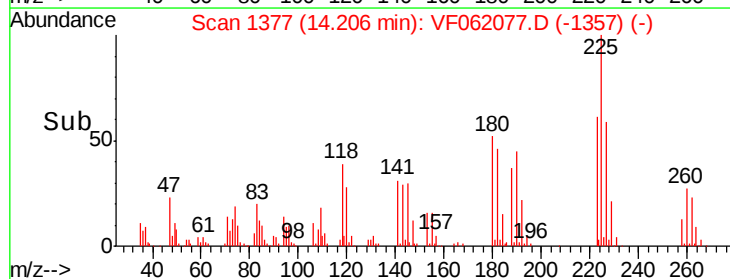
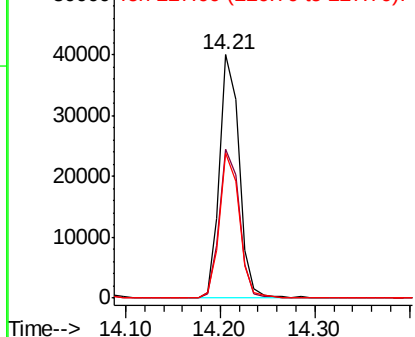


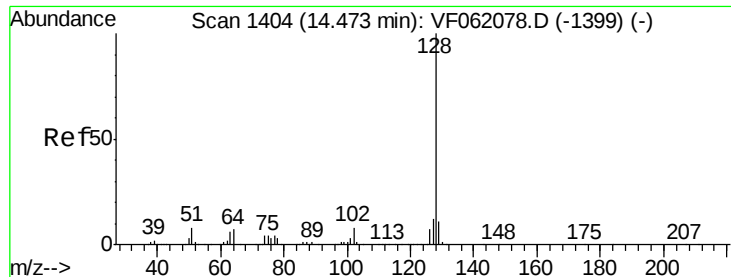
#94
 Hexachlorobutadiene
 Concen: 19.376 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062077.D
 Acq: 22 Mar 2019 11:56

Tgt Ion:225 Resp: 58006
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.0 90.0
 227 59.4 30.2 90.6



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

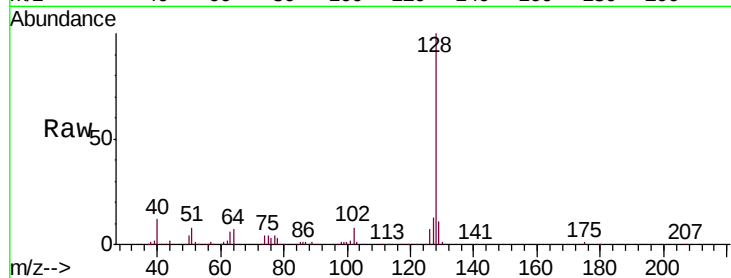




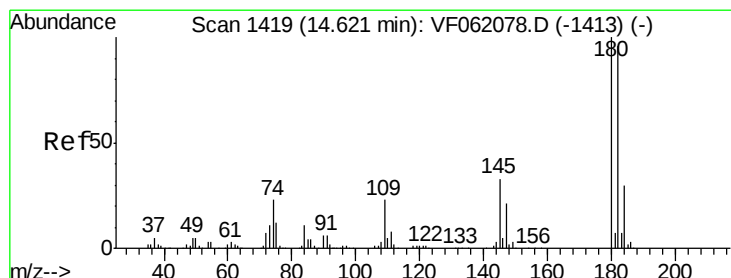
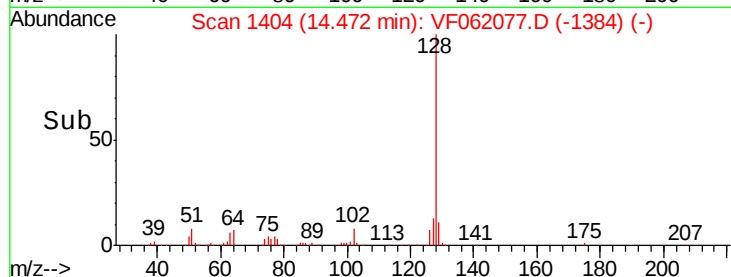
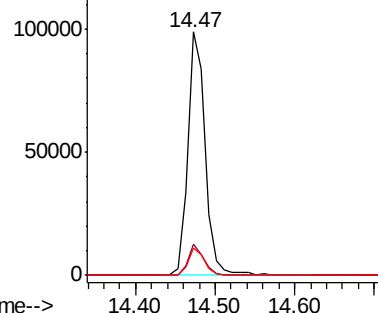
#95
Naphthalene
Concen: 19.297 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 152253
Ion Ratio Lower Upper
128 100
127 12.7 9.5 14.3
129 11.4 8.7 13.1

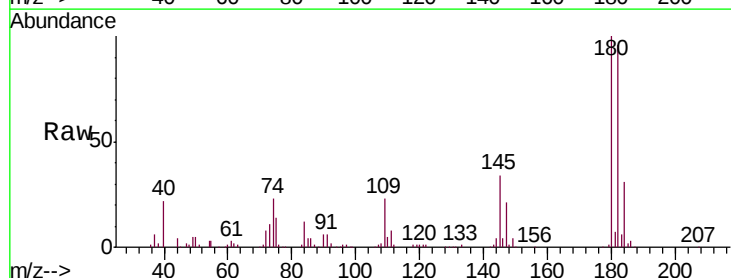


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.357 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF062077.D
Acq: 22 Mar 2019 11:56

Tgt Ion:180 Resp: 81581
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.7
145 33.8 16.6 49.7



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

