

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062095.D
 Acq On : 22 Mar 2019 23:36
 Operator : VA/AP
 Sample : VF0322SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

Quant Time: Mar 23 04:16:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	258304	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	420585	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	353462	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	179734	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	105947	55.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	4.14	113	149821	52.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	7.58	98	432699	50.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.43	95	172955	52.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	75052	22.681	ug/l	100
3) Chloromethane	1.10	50	76050	21.964	ug/l	97
4) Vinyl Chloride	1.15	62	72979	22.787	ug/l	98
5) Bromomethane	1.33	94	49981	21.710	ug/l	96
6) Chloroethane	1.41	64	35691	22.137	ug/l	96
7) Trichlorofluoromethane	1.50	101	66005	17.064	ug/l	90
8) Diethyl Ether	1.64	74	16427	18.592	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	54522	20.661	ug/l	98
10) Methyl Iodide	1.85	142	18132	3.616	ug/l	94
11) Tert butyl alcohol	2.60	59	10914	103.242	ug/l	95
12) 1,1-Dichloroethene	1.81	96	54063	21.713	ug/l	92
13) Acrolein	2.01	56	13767	108.299	ug/l	94
14) Allyl chloride	2.11	41	55715	20.959	ug/l	97
15) Acrylonitrile	2.96	53	38211	102.791	ug/l	92
16) Acetone	2.26	43	32035	79.223	ug/l	97
17) Carbon Disulfide	1.84	76	127170	16.749	ug/l	97
18) Methyl Acetate	2.36	43	20052	20.788	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	83705	21.271	ug/l	95
20) Methylene Chloride	2.20	84	17233	4.142	ug/l	94
21) trans-1,2-Dichloroethene	2.32	96	45354	18.932	ug/l	94
22) Diisopropyl ether	2.82	45	157842	22.647	ug/l	96
23) Vinyl Acetate	3.21	43	317670	111.324	ug/l	97
24) 1,1-Dichloroethane	2.89	63	94711	22.661	ug/l	100
25) 2-Butanone	4.37	43	84219	99.766	ug/l	100
26) 2,2-Dichloropropane	3.62	77	34178	20.169	ug/l	90
27) cis-1,2-Dichloroethene	3.50	96	72544	22.852	ug/l	98
28) Bromochloromethane	3.74	49	40066	23.462	ug/l	97
29) Tetrahydrofuran	4.10	42	38219	104.130	ug/l	98
30) Chloroform	3.88	83	101919	23.074	ug/l	99
31) Cyclohexane	3.71	56	57027	13.064	ug/l	98
32) 1,1,1-Trichloroethane	4.12	97	54101	20.135	ug/l	97
36) 1,1-Dichloropropene	4.31	75	79277	19.789	ug/l	97
37) Ethyl Acetate	4.14	43	33199	18.963	ug/l #	96
38) Carbon Tetrachloride	4.02	117	55555	20.347	ug/l	95

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 Sample : VF0322SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

Quant Time: Mar 23 04:16:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	93385	20.085	ug/l	97
40) Benzene	4.66	78	223077	20.772	ug/l	100
41) Methacrylonitrile	4.78	41	18983	20.492	ug/l #	85
42) 1,2-Dichloroethane	4.97	62	53268	20.975	ug/l	97
43) Isopropyl Acetate	6.98	43	41989	19.804	ug/l #	96
44) Trichloroethene	5.53	130	69439	21.148	ug/l	97
45) 1,2-Dichloropropane	6.26	63	52996	20.690	ug/l	96
46) Dibromomethane	6.11	93	31099	19.857	ug/l	96
47) Bromodichloromethane	6.41	83	69340	19.988	ug/l	97
48) Methyl methacrylate	6.74	41	24271	20.105	ug/l	96
49) 1,4-Dioxane	6.74	88	3654	344.946	ug/l #	79
51) 4-Methyl-2-Pentanone	8.28	43	145344	102.418	ug/l	98
52) Toluene	7.65	92	129990	20.897	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	56226	20.646	ug/l	94
54) cis-1,3-Dichloropropene	7.32	75	76321	19.587	ug/l	92
55) 1,1,2-Trichloroethane	8.51	97	35012	19.816	ug/l	97
56) Ethyl methacrylate	8.64	69	42051	19.956	ug/l	95
57) 1,3-Dichloropropane	8.87	76	60599	20.665	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	30281	94.702	ug/l	97
59) 2-Hexanone	9.51	43	98758	94.952	ug/l	97
60) Dibromochloromethane	8.73	129	50782	20.675	ug/l	99
61) 1,2-Dibromoethane	9.01	107	38013	20.166	ug/l	98
64) Tetrachloroethene	8.17	164	59930	21.946	ug/l	97
65) Chlorobenzene	9.82	112	141024	21.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	55696	20.966	ug/l	96
67) Ethyl Benzene	9.92	91	246703	21.450	ug/l	97
68) m/p-Xylenes	10.15	106	188385	43.823	ug/l	98
69) o-Xylene	10.74	106	93621	20.794	ug/l	98
70) Styrene	10.80	104	142741	20.925	ug/l	97
71) Bromoform	10.79	173	26549	19.539	ug/l #	93
73) Isopropylbenzene	11.14	105	283213	22.393	ug/l	97
74) N-amyl acetate	11.39	43	66180	21.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	45758	21.071	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	33169	21.704	ug/l	100
77) Bromobenzene	11.51	156	65705	21.264	ug/l	95
78) n-propylbenzene	11.61	91	311875	21.237	ug/l	99
79) 2-Chlorotoluene	11.73	91	185319	22.703	ug/l	93
80) 1,3,5-Trimethylbenzene	11.84	105	239329	23.006	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	15522	24.926	ug/l #	84
82) 4-Chlorotoluene	11.91	91	176457	21.084	ug/l	97
83) tert-Butylbenzene	12.15	119	242908	22.306	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	223210	21.887	ug/l	94
85) sec-Butylbenzene	12.32	105	311408	22.105	ug/l	100
86) p-Isopropyltoluene	12.47	119	270539	22.166	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	120437	20.980	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	118578	21.168	ug/l	98
89) n-Butylbenzene	12.86	91	258394	22.190	ug/l	96
90) Hexachloroethane	12.93	117	63229	21.756	ug/l	80
91) 1,2-Dichlorobenzene	12.95	146	116090	21.536	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	6550	19.907	ug/l	99

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Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

Quant Time: Mar 23 04:16:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

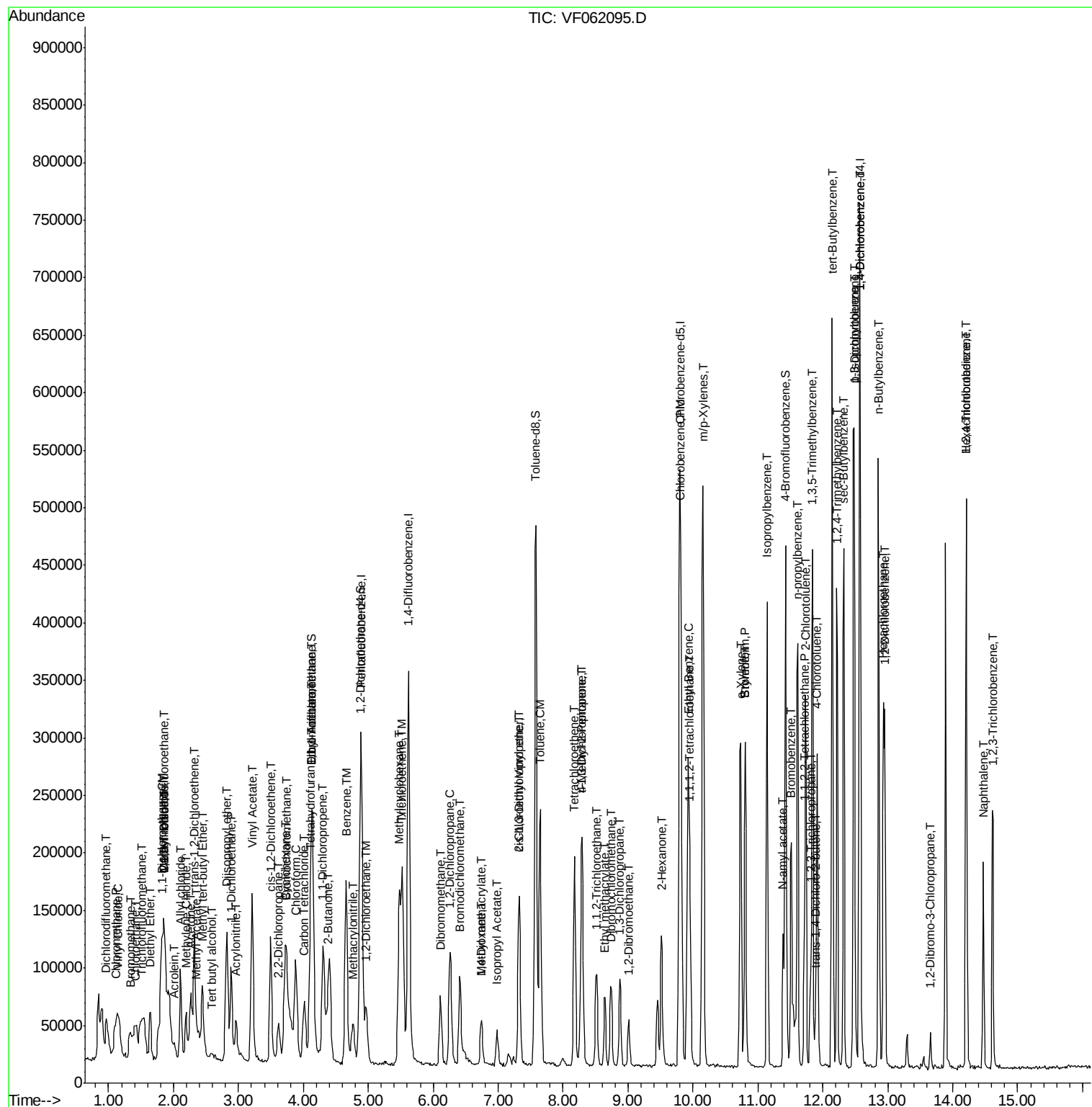
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	79498	21.161	ug/l	95
94) Hexachlorobutadiene	14.21	225	52683	21.090	ug/l	96
95) Naphthalene	14.47	128	136441	20.724	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	73776	20.979	ug/l	95

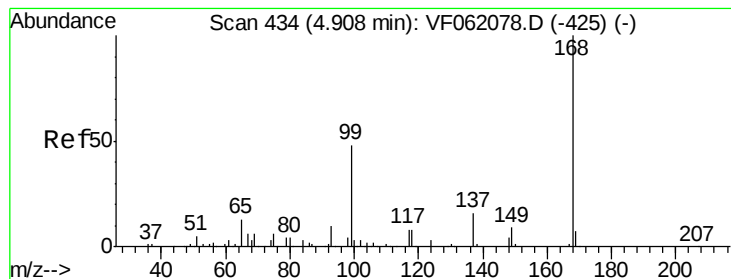
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VF062095.D
 Acq On : 22 Mar 2019 23:36
 Operator : VA/AP
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Quant Time: Mar 23 04:16:46 2019
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 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

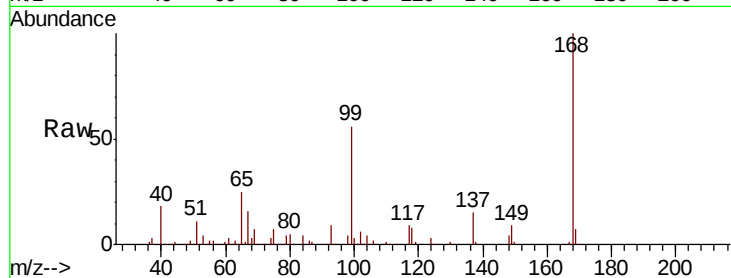
VF0322SBS02

Tot Ion:168 Resp: 258304

Ion Ratio Lower Upper

168 100

99 55.8 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

80000

60000

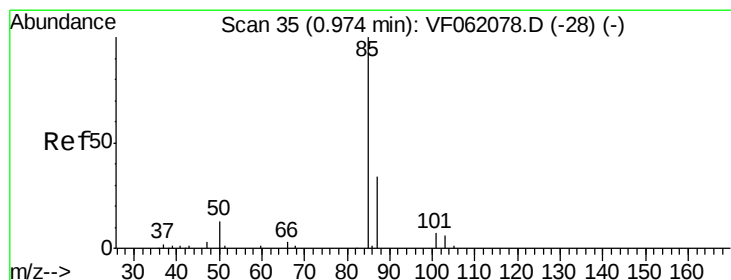
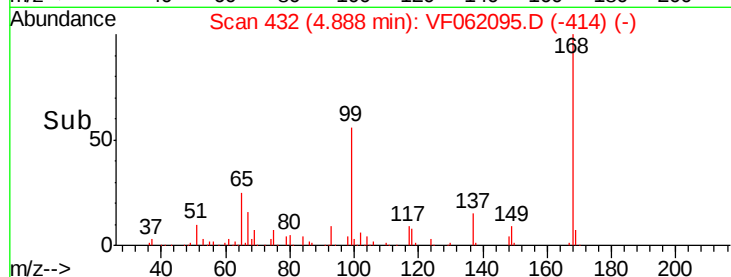
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.681 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062095.D

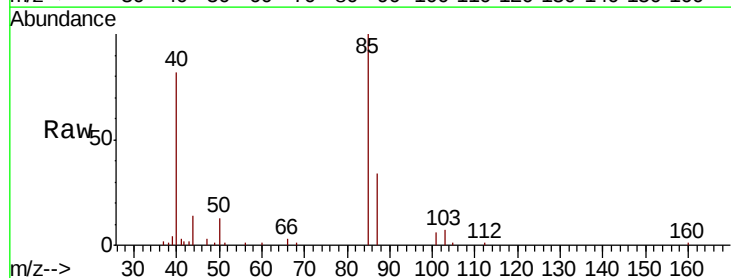
Acq: 22 Mar 2019 23:36

Tgt Ion: 85 Resp: 75052

Ion Ratio Lower Upper

85 100

87 33.8 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

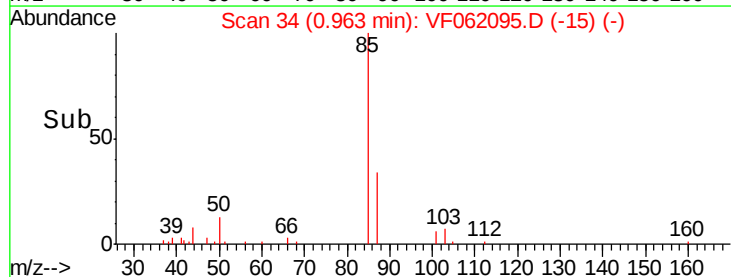
10000

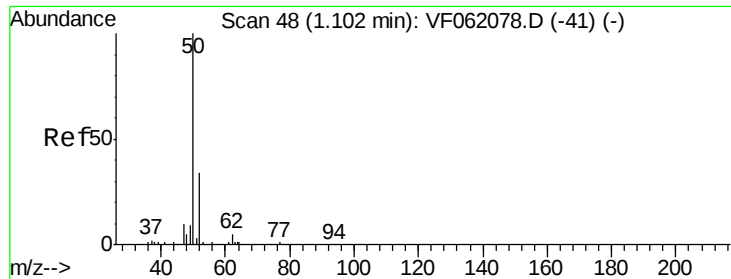
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->

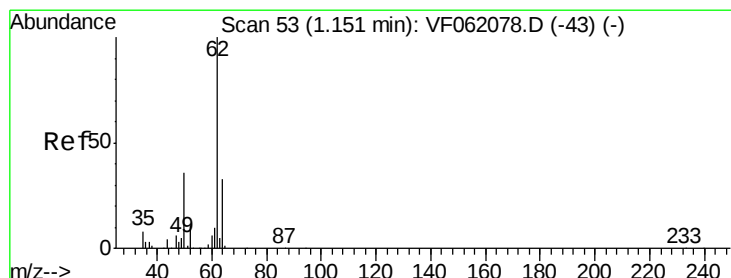
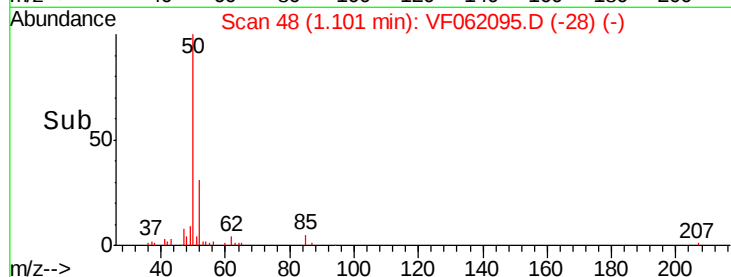
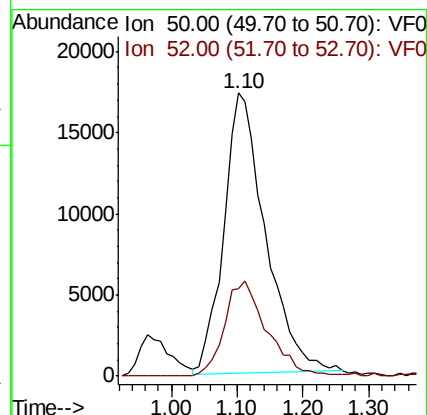
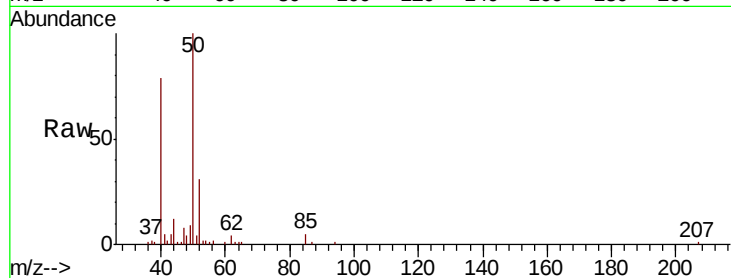




#3
Chloromethane
Concen: 21.964 ug/l
RT: 1.10 min Scan# 48
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

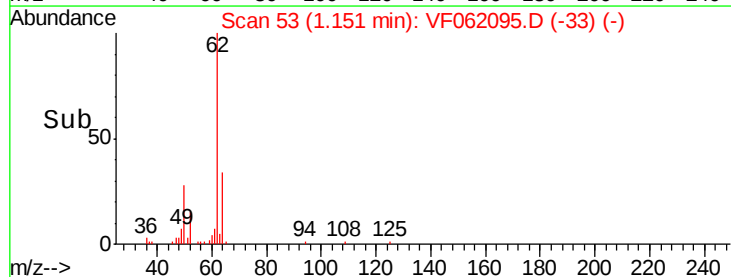
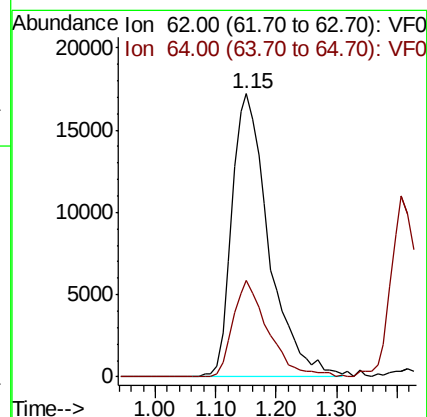
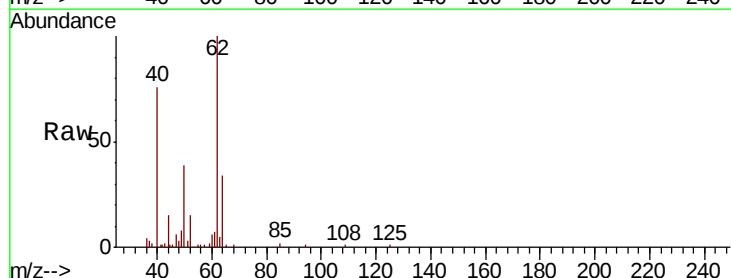
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

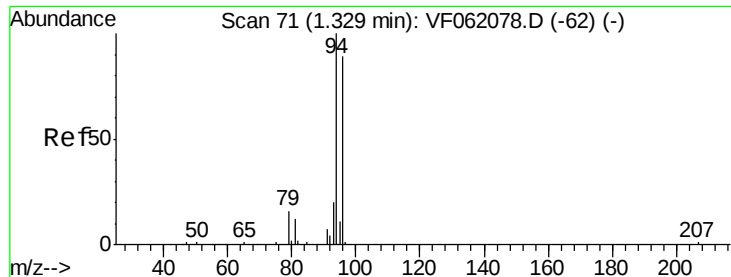
Tot Ion: 50 Resp: 76050
Ion Ratio Lower Upper
50 100
52 31.1 26.1 39.1



#4
Vinyl Chloride
Concen: 22.787 ug/l
RT: 1.15 min Scan# 53
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 62 Resp: 72979
Ion Ratio Lower Upper
62 100
64 34.0 26.2 39.2





#5

Bromomethane

Concen: 21.710 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

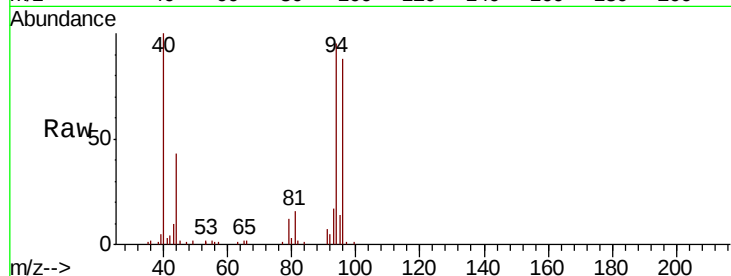
VF0322SBS02

Tot Ion: 94 Resp: 49981

Ion Ratio Lower Upper

94 100

96 92.5 70.9 106.3



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

10000

8000

6000

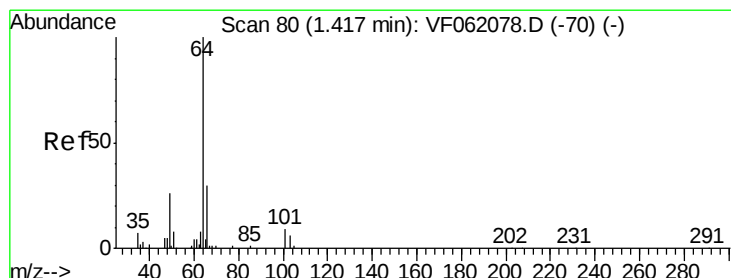
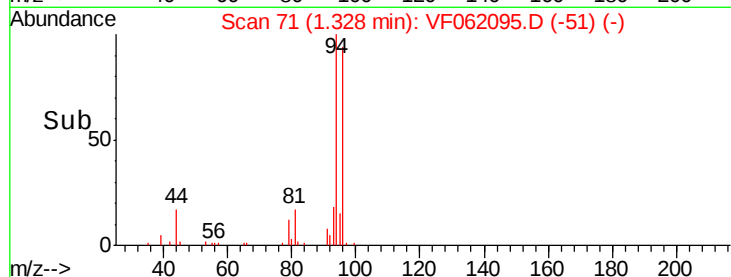
4000

2000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 22.137 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062095.D

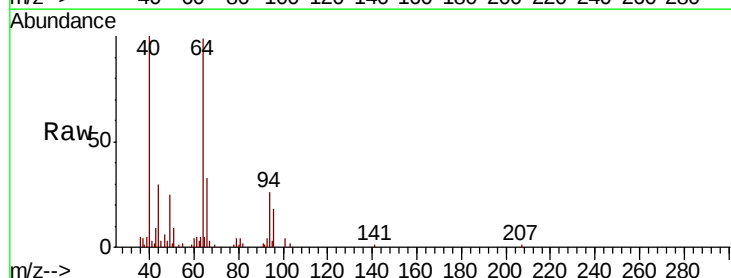
Acq: 22 Mar 2019 23:36

Tgt Ion: 64 Resp: 35691

Ion Ratio Lower Upper

64 100

66 32.9 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.41

12000

10000

8000

6000

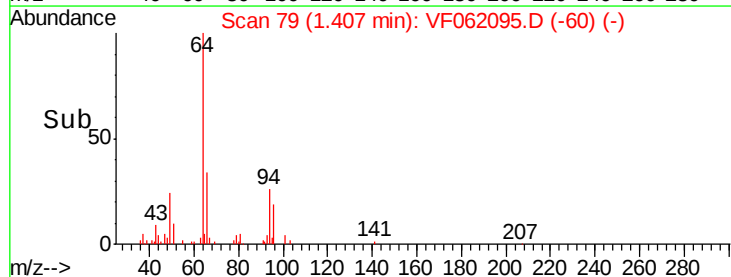
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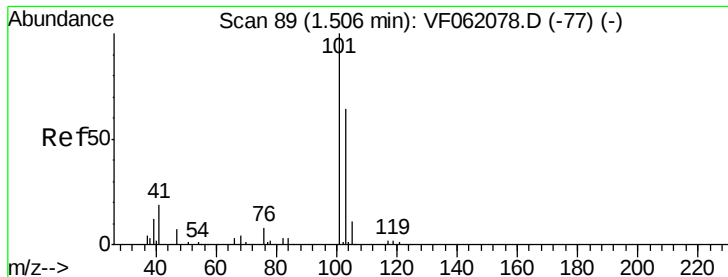
2000

0

1.30 1.40 1.50

Time-->





#7

Trichlorofluoromethane

Concen: 17.064 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

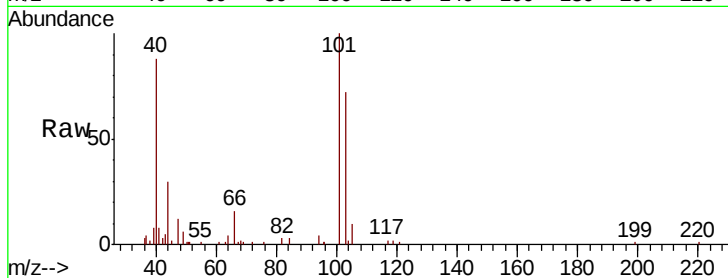
VF0322SBS02

Tot Ion:101 Resp: 66005

Ion Ratio Lower Upper

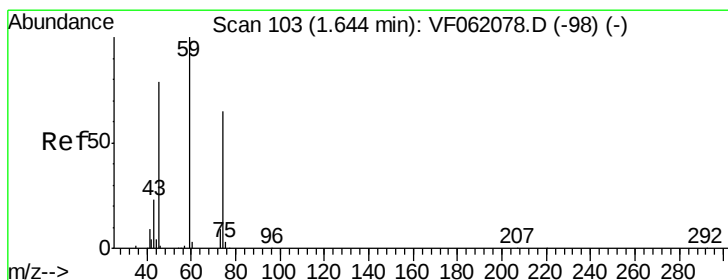
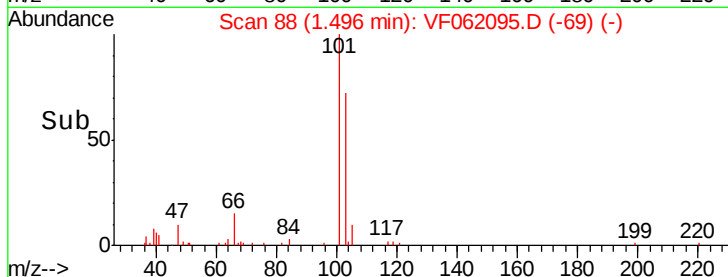
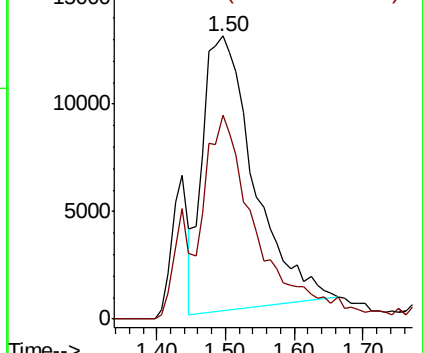
101 100

103 72.0 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: 18.592 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062095.D

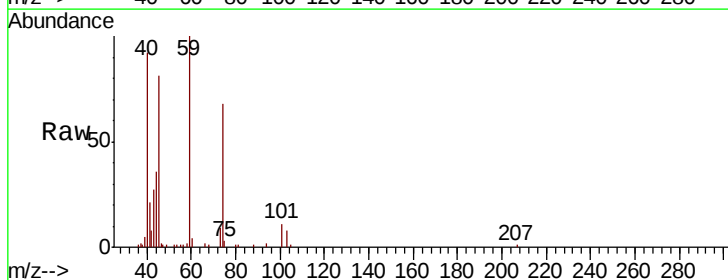
Acq: 22 Mar 2019 23:36

Tgt Ion: 74 Resp: 16427

Ion Ratio Lower Upper

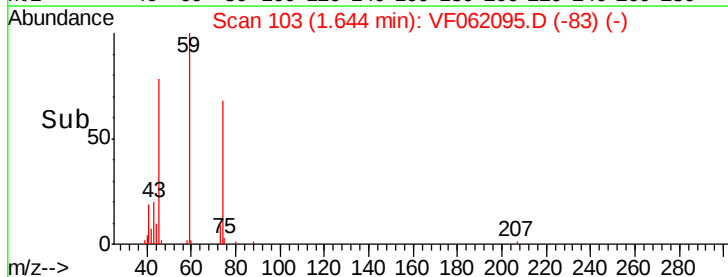
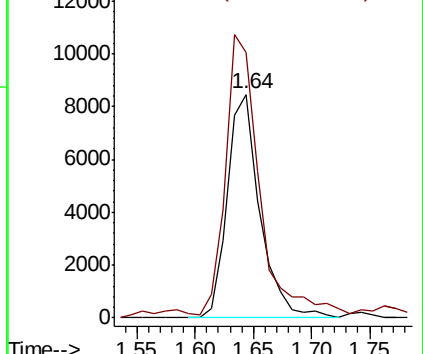
74 100

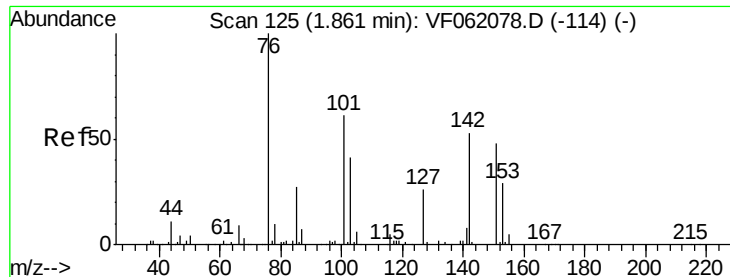
45 118.5 61.4 184.2



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: 20.661 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

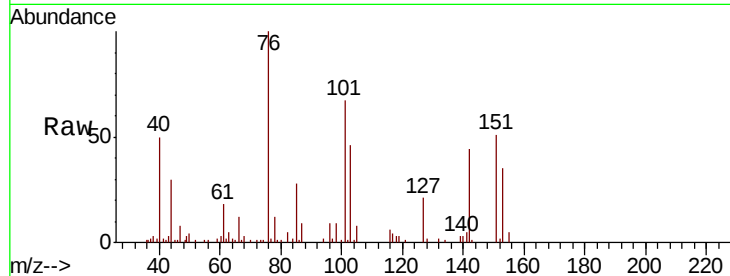
Tot Ion:101 Resp: 54522

Ion Ratio Lower Upper

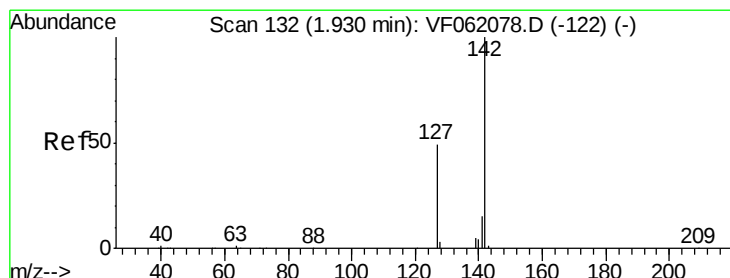
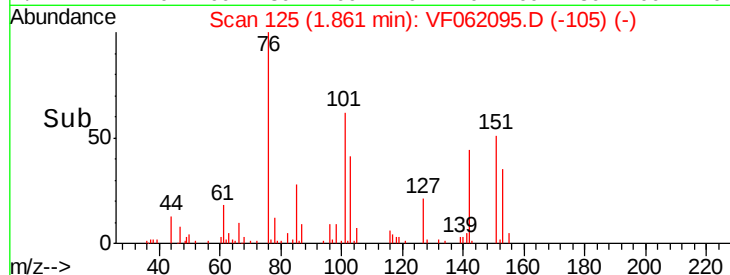
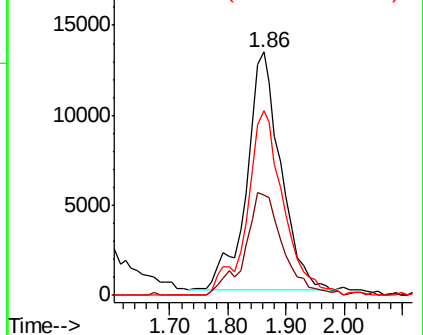
101 100

85 41.2 34.6 52.0

151 75.7 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: 3.616 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.08 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

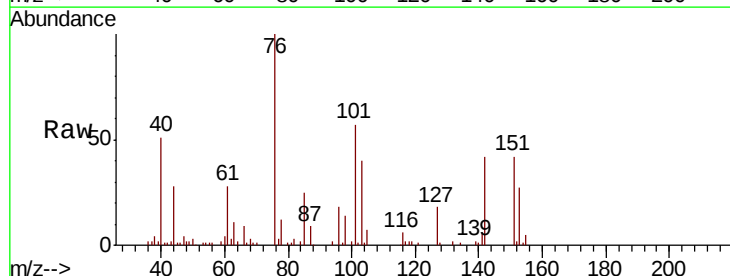
Tgt Ion:142 Resp: 18132

Ion Ratio Lower Upper

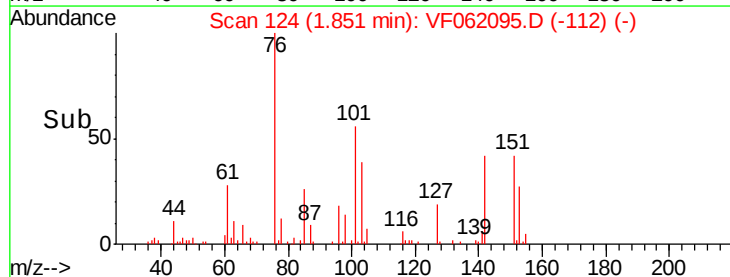
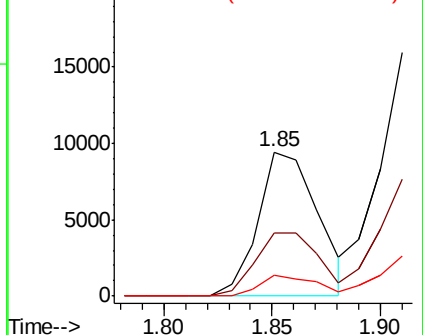
142 100

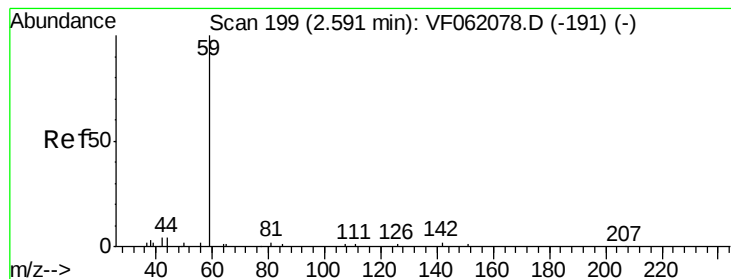
127 44.1 39.1 58.7

141 14.5 12.2 18.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



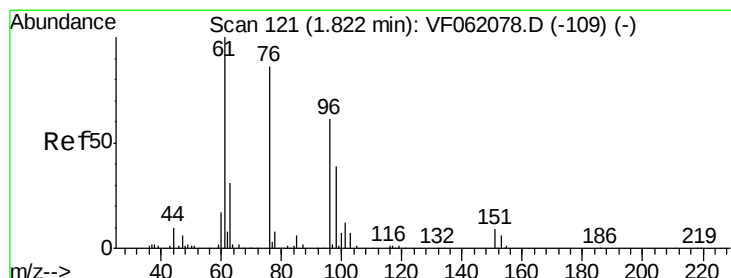
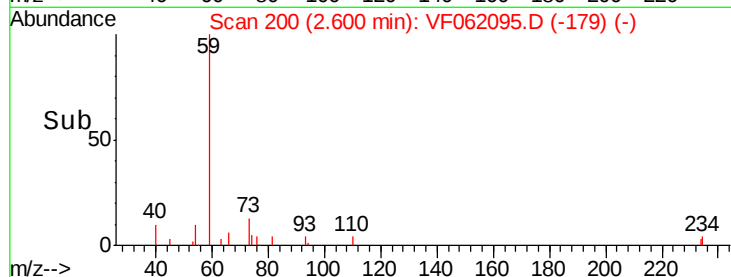
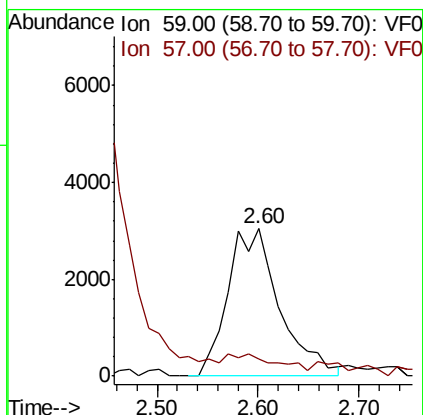
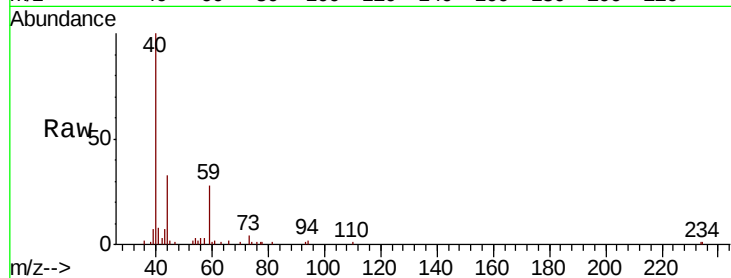


#11

Tert butyl alcohol
Concen: 103.242 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

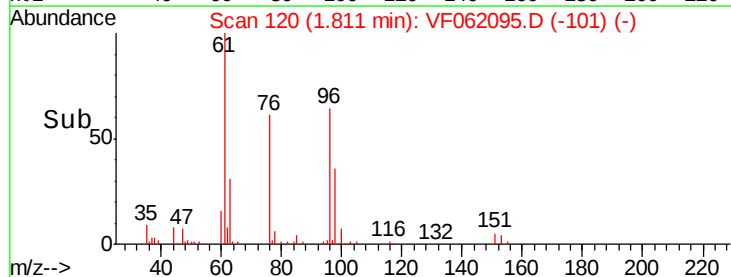
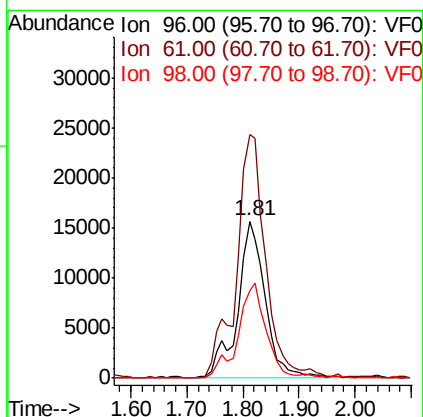
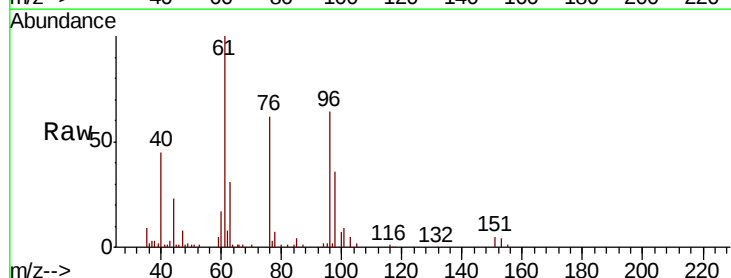
Tot Ion: 59 Resp: 10914
Ion Ratio Lower Upper
59 100
57 11.7 11.0 16.4

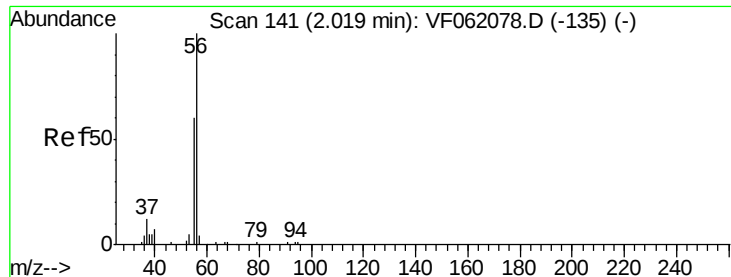


#12

1,1-Dichloroethene
Concen: 21.713 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 96 Resp: 54063
Ion Ratio Lower Upper
96 100
61 155.4 131.0 196.6
98 56.0 51.5 77.3

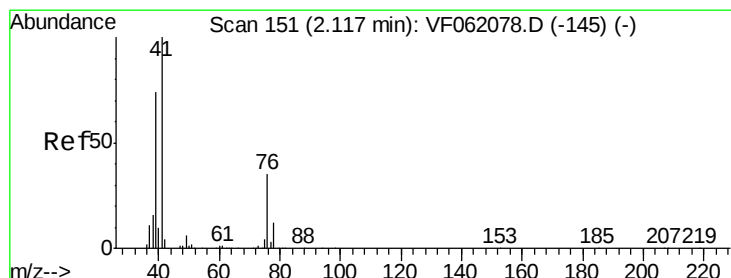
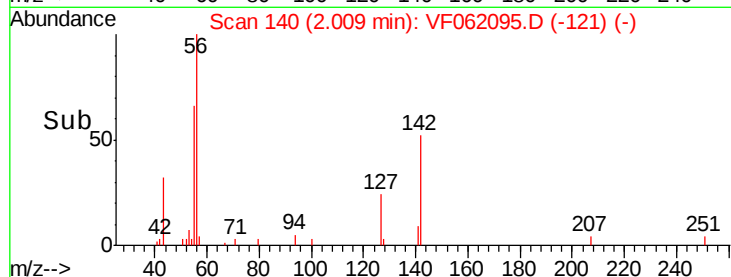
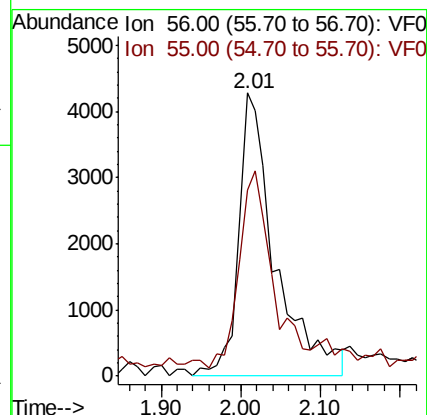
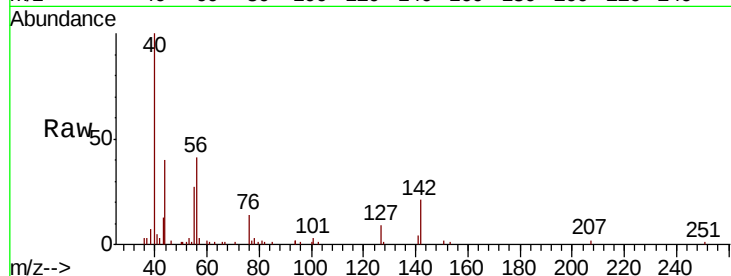




#13
Acrolein
Concen: 108.299 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

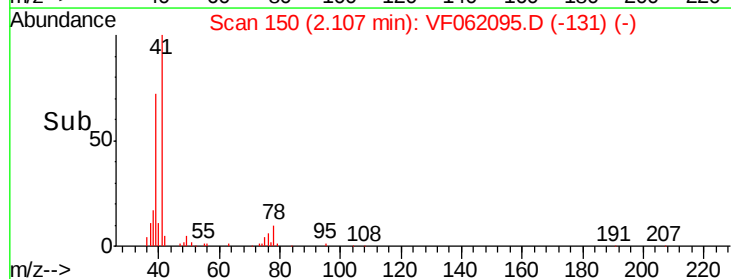
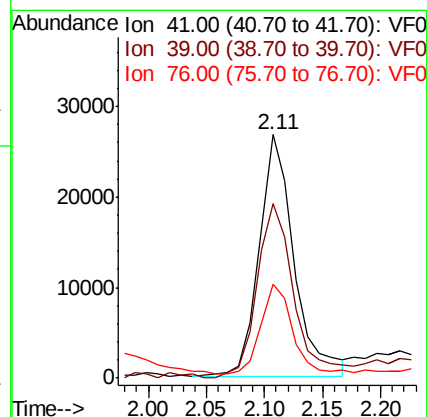
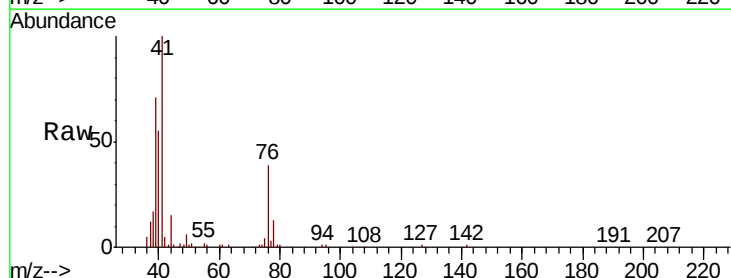
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

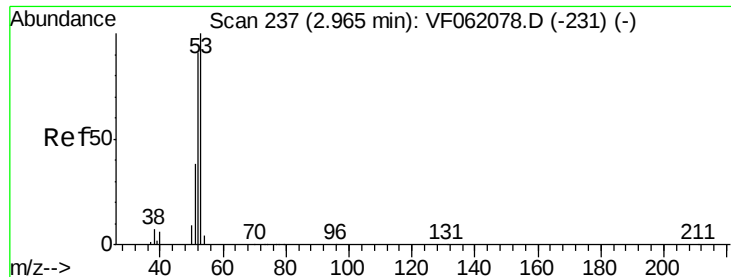
Tot Ion: 56 Resp: 13767
Ion Ratio Lower Upper
56 100
55 65.9 49.0 73.4



#14
Allyl chloride
Concen: 20.959 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 41 Resp: 55715
Ion Ratio Lower Upper
41 100
39 71.4 59.8 89.8
76 38.8 30.0 45.0





#15

Acrylonitrile

Concen: 102.791 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

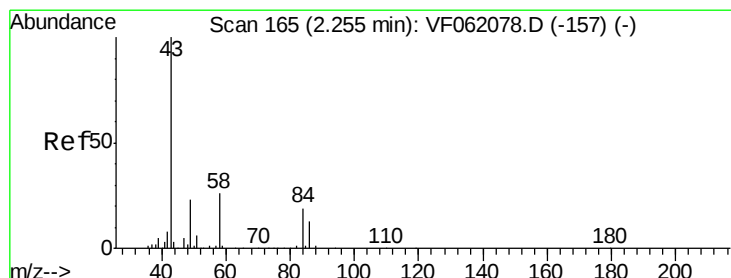
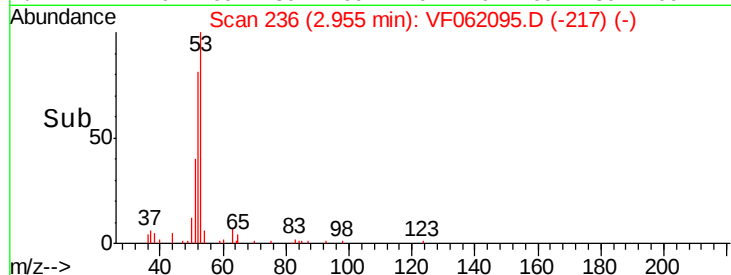
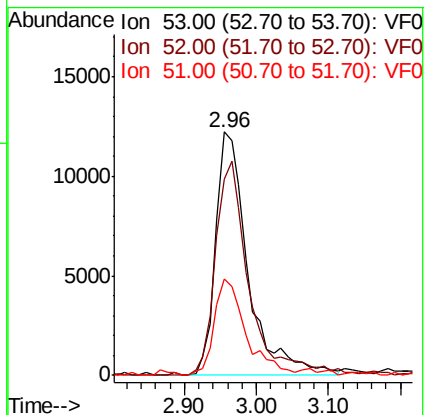
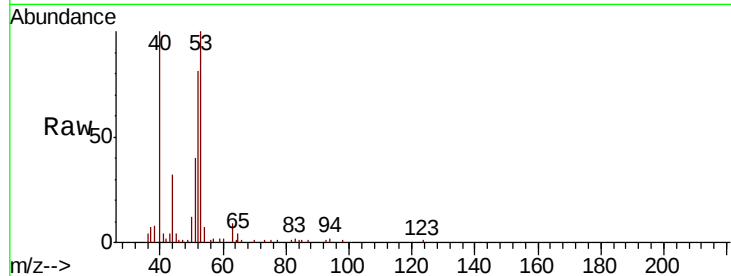
Tot Ion: 53 Resp: 38211

Ion Ratio Lower Upper

53 100

52 80.6 72.3 108.5

51 39.5 30.4 45.6



#16

Acetone

Concen: 79.223 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF062095.D

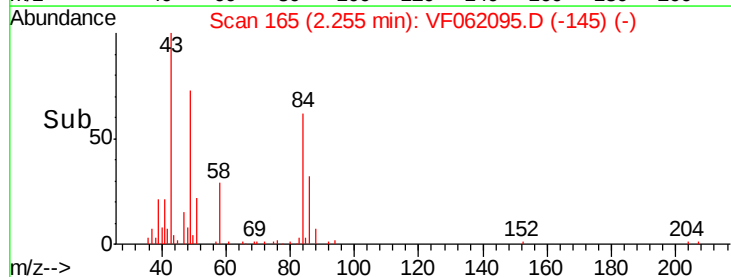
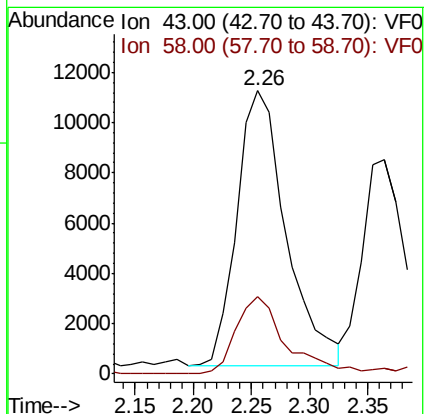
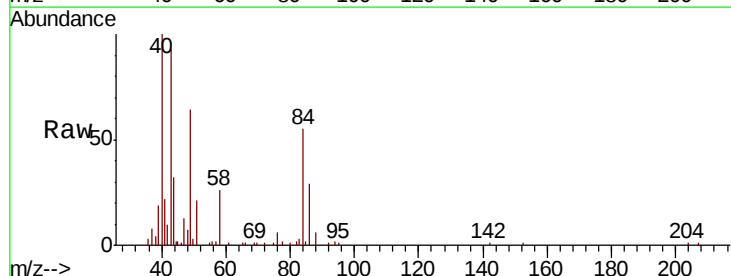
Acq: 22 Mar 2019 23:36

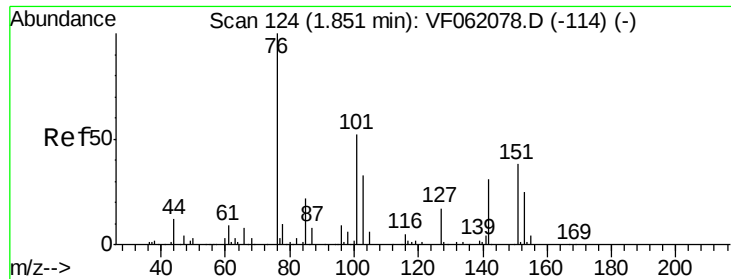
Tgt Ion: 43 Resp: 32035

Ion Ratio Lower Upper

43 100

58 27.5 20.8 31.2

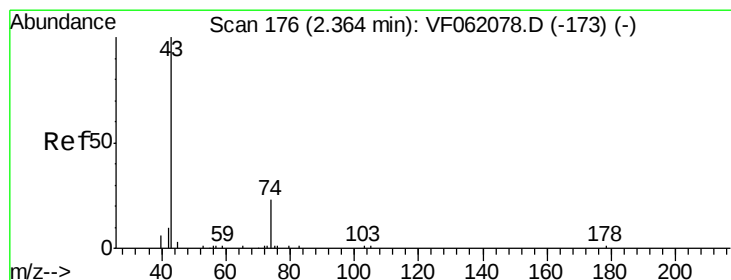
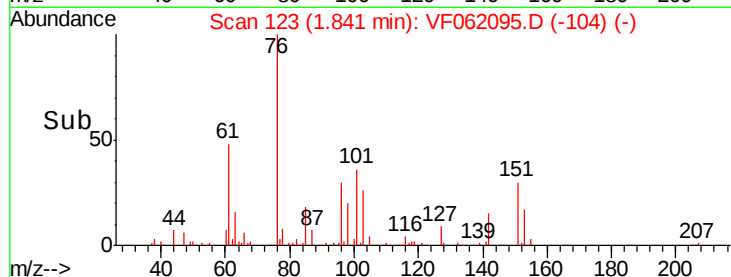
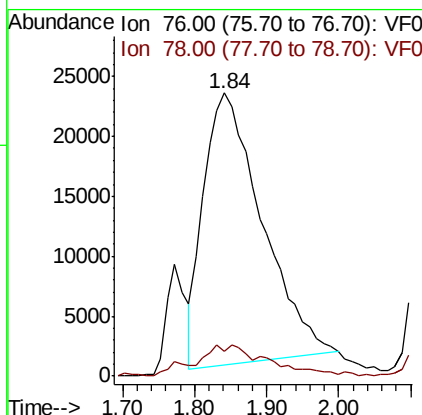
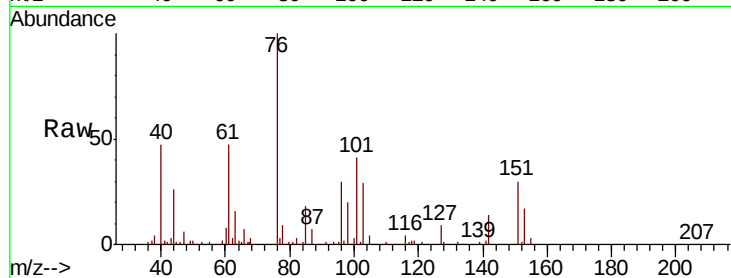




#17
Carbon Disulfide
Concen: 16.749 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

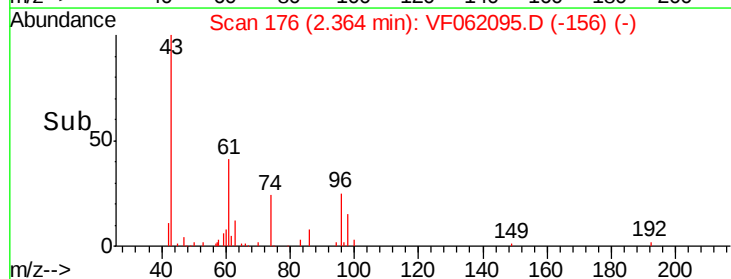
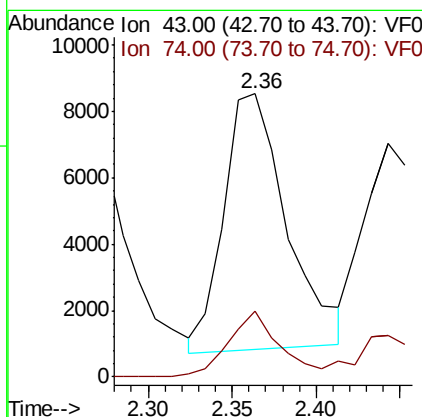
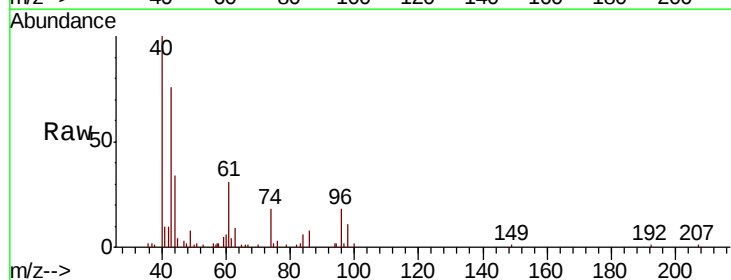
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

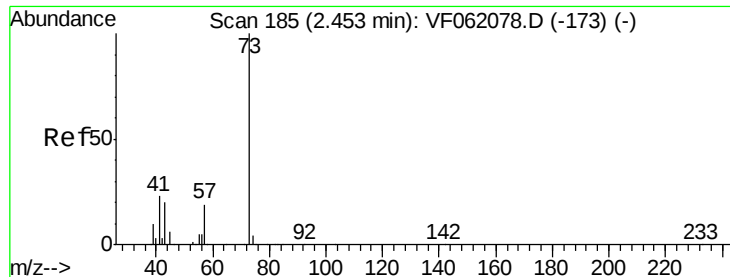
Tot Ion: 76 Resp: 127170
Ion Ratio Lower Upper
76 100
78 8.7 7.9 11.9



#18
Methyl Acetate
Concen: 20.788 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 43 Resp: 20052
Ion Ratio Lower Upper
43 100
74 23.2 16.3 24.5

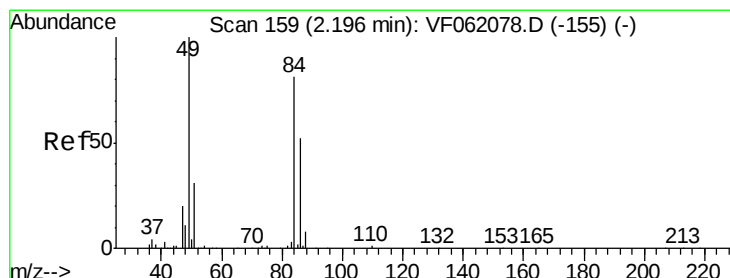
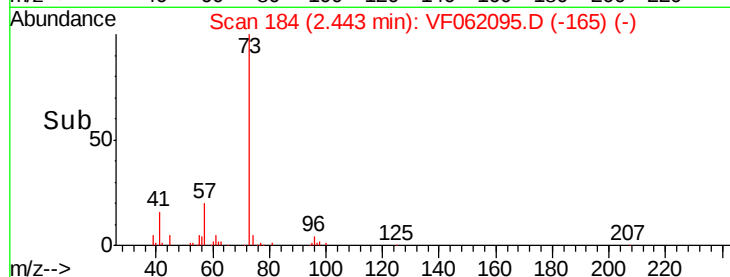
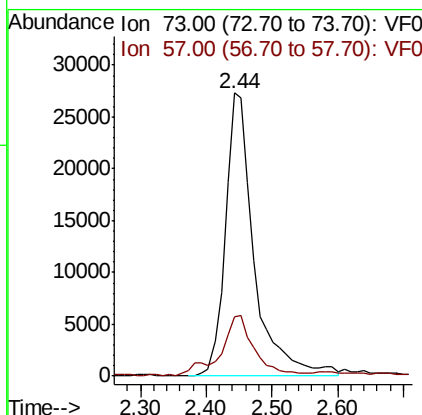
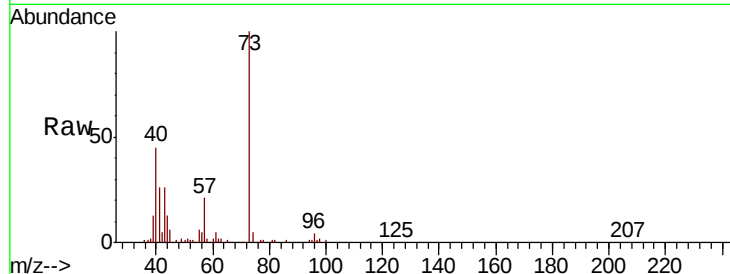




#19
Methvl tert-butvl Ether
Concen: 21.271 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

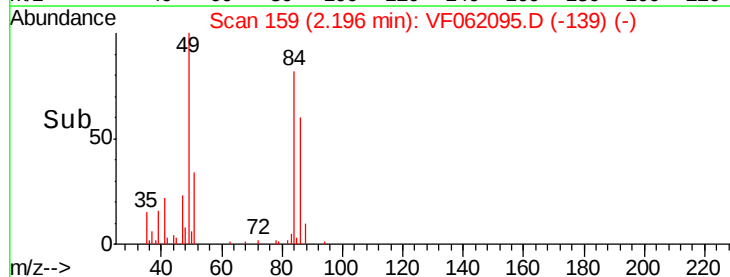
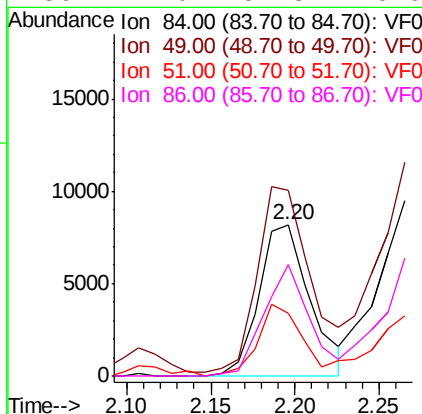
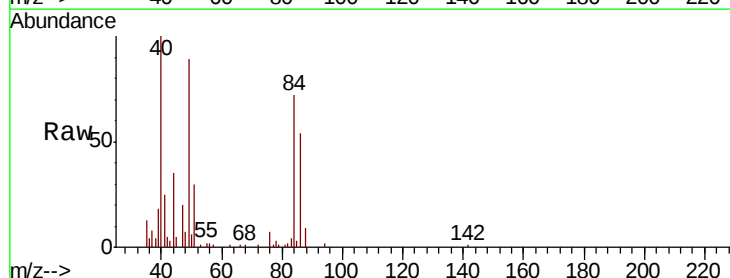
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

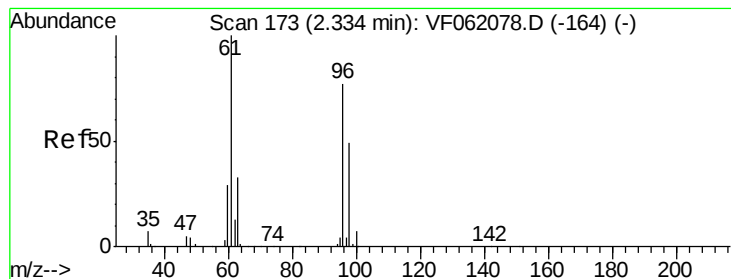
Tot Ion: 73 Resp: 83705
Ion Ratio Lower Upper
73 100
57 21.0 15.1 22.7



#20
Methylene Chloride
Concen: 4.142 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 84 Resp: 17233
Ion Ratio Lower Upper
84 100
49 122.6 100.4 150.6
51 41.6 31.0 46.6
86 74.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.932 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

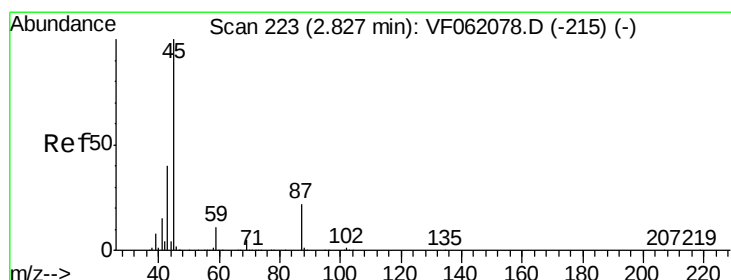
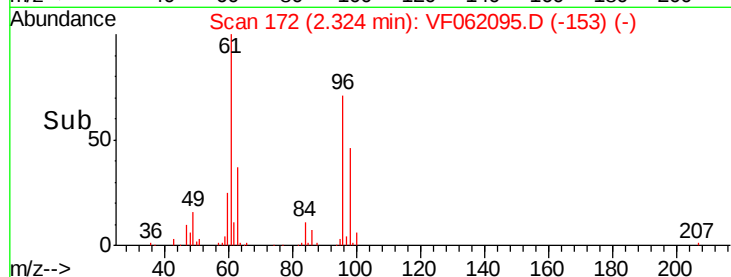
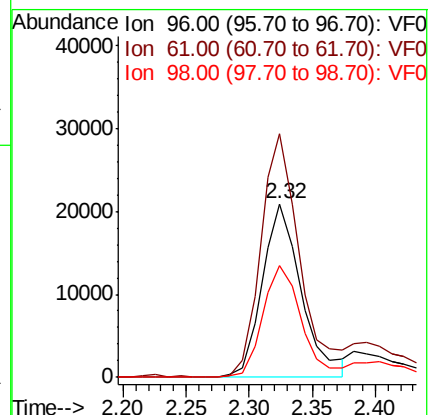
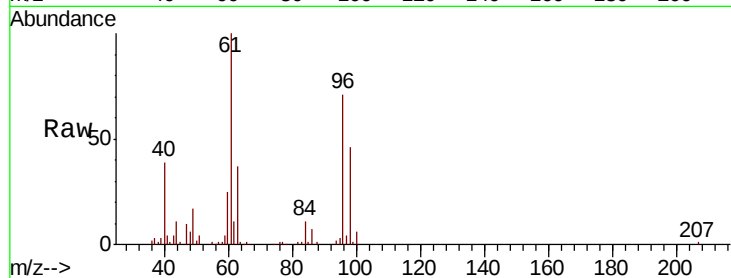
Tot Ion: 96 Resp: 45354

Ion Ratio Lower Upper

96 100

61 140.3 104.5 156.7

98 64.6 51.2 76.8



#22

Diisopropyl ether

Concen: 22.647 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Tgt Ion: 45 Resp: 157842

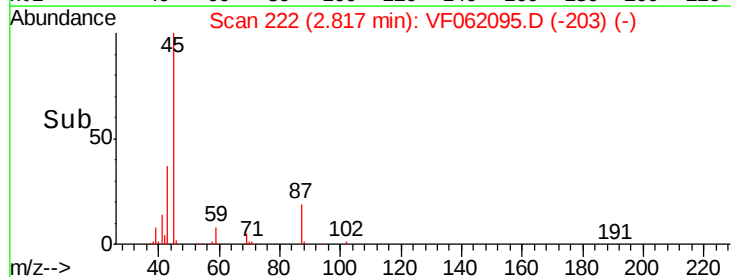
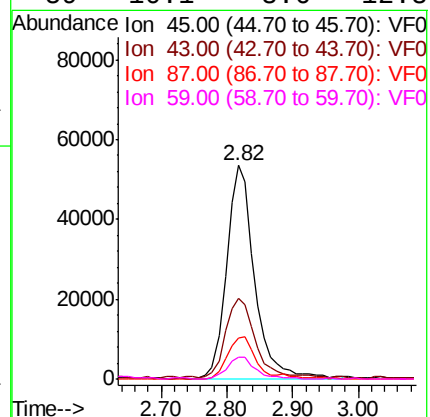
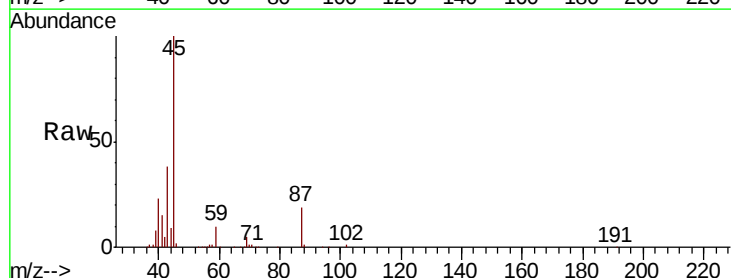
Ion Ratio Lower Upper

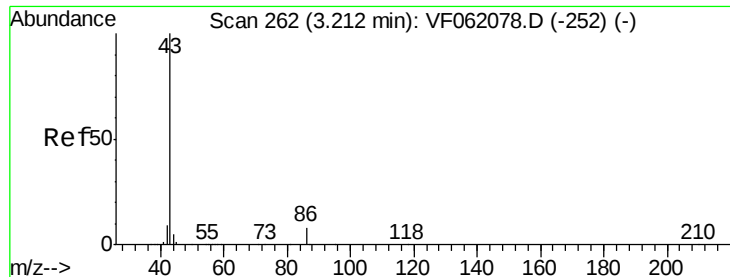
45 100

43 37.8 32.5 48.7

87 19.0 17.4 26.2

59 10.1 8.6 12.8





#23

Vinyl Acetate

Concen: 111.324 ug/l

RT: 3.21 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

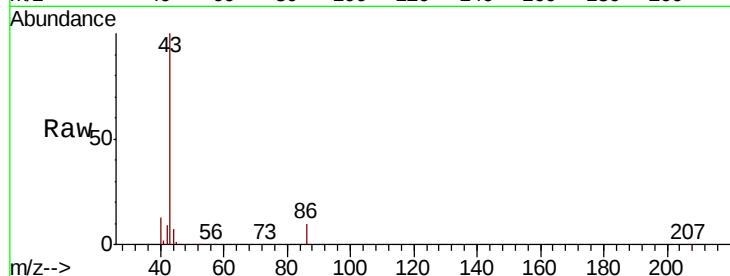
VF0322SBS02

Tot Ion: 43 Resp: 317670

Ion Ratio Lower Upper

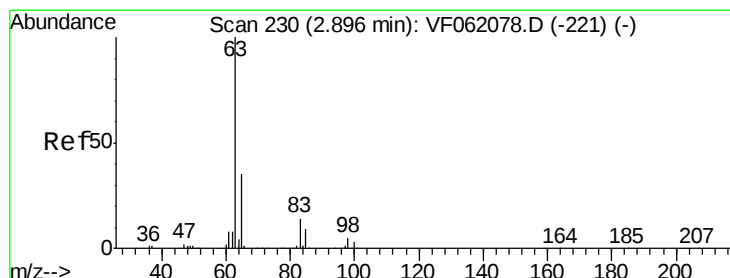
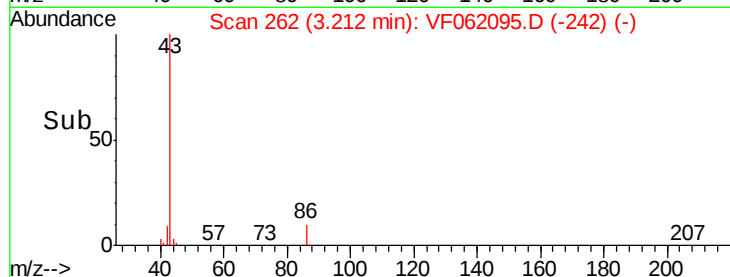
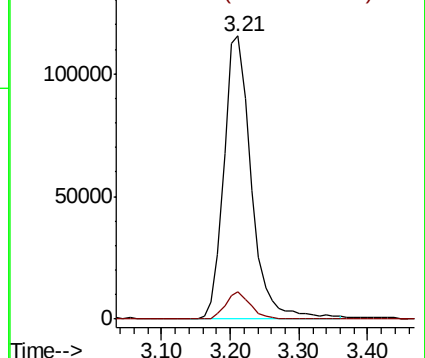
43 100

86 9.5 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.661 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

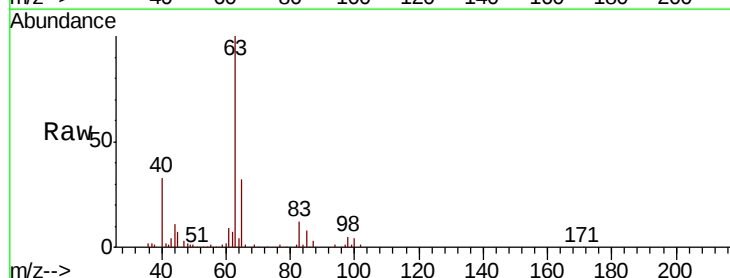
Tgt Ion: 63 Resp: 94711

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

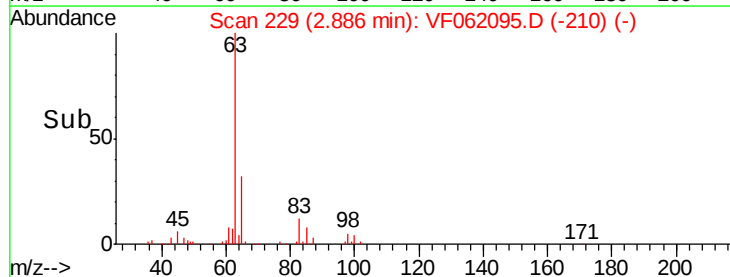
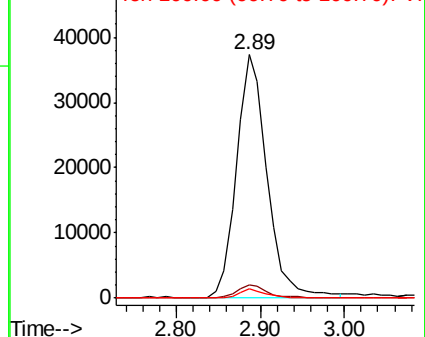
100 3.6 1.7 5.1

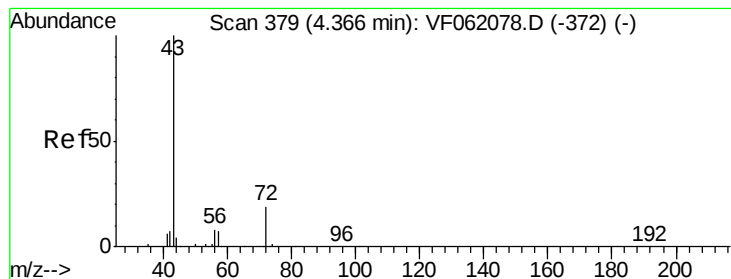


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 99.766 ug/l

RT: 4.37 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

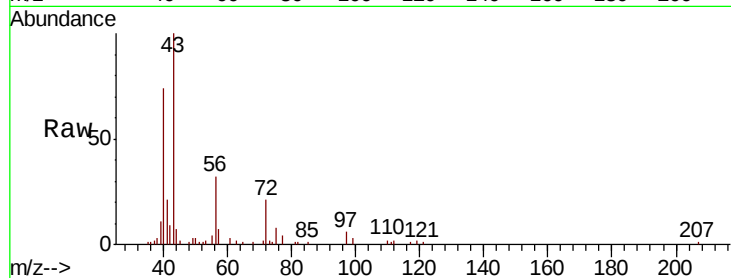
VF0322SBS02

Tot Ion: 43 Resp: 84219

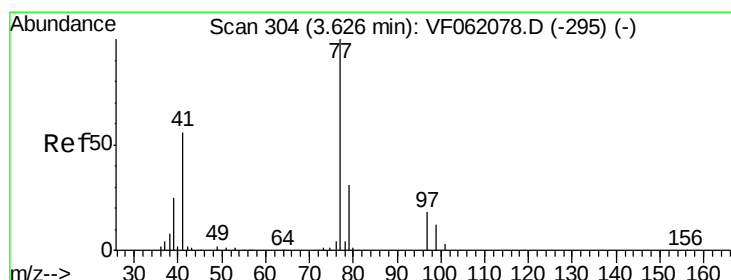
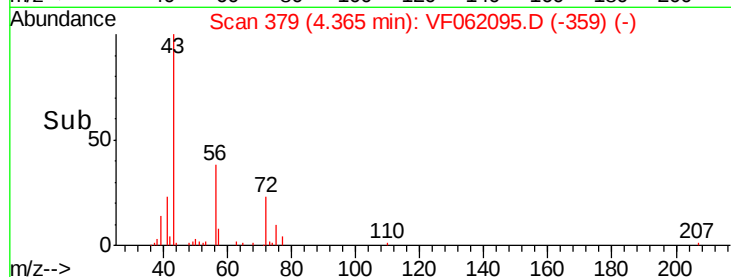
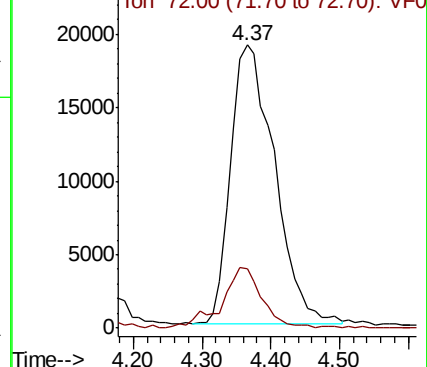
Ion Ratio Lower Upper

43 100

72 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 20.169 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.01 min

Lab File: VF062095.D

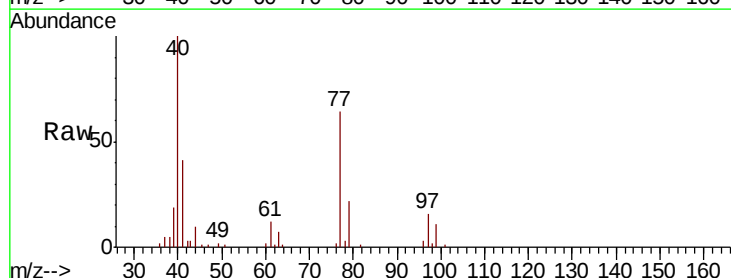
Acq: 22 Mar 2019 23:36

Tgt Ion: 77 Resp: 34178

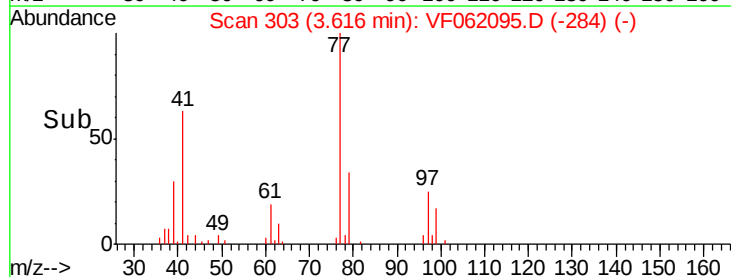
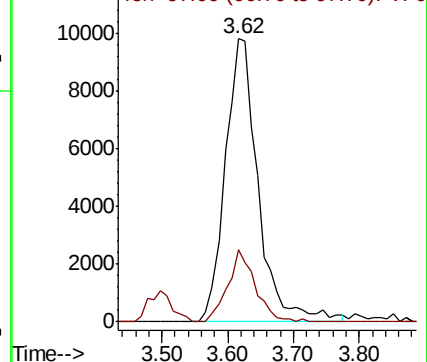
Ion Ratio Lower Upper

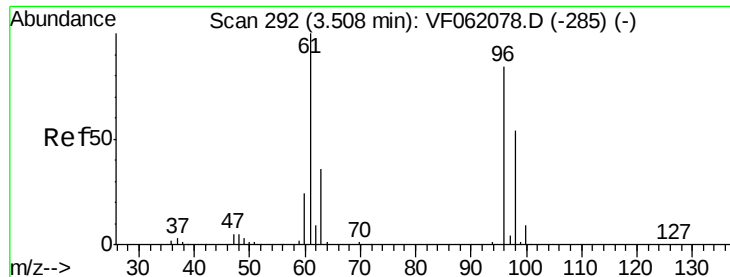
77 100

97 25.3 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0



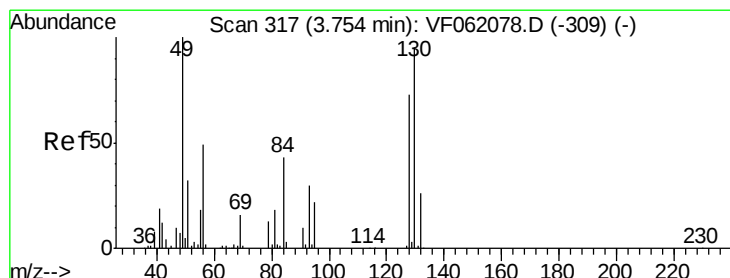
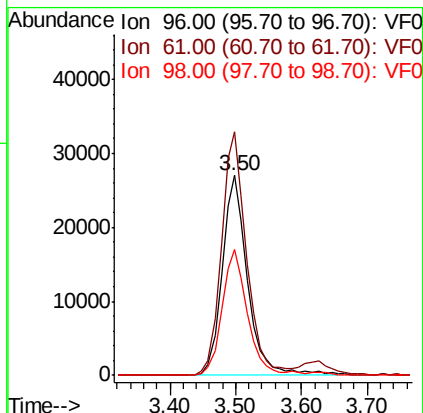
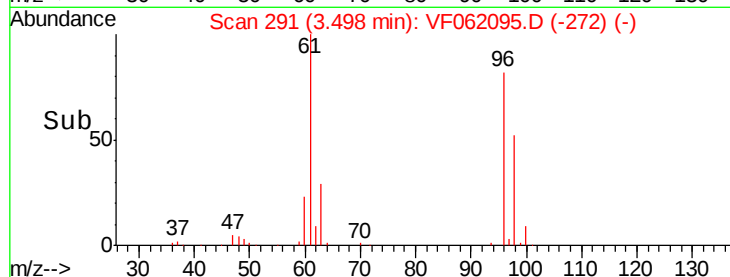
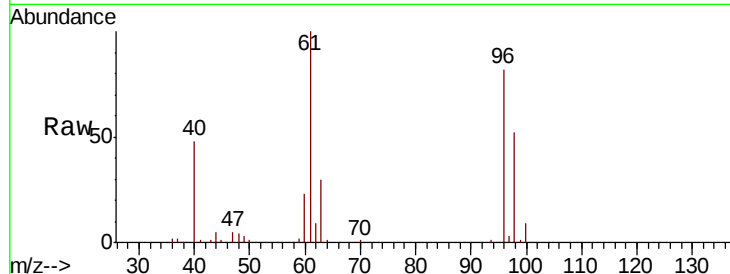


#27

cis-1,2-Dichloroethene
Concen: 22.852 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

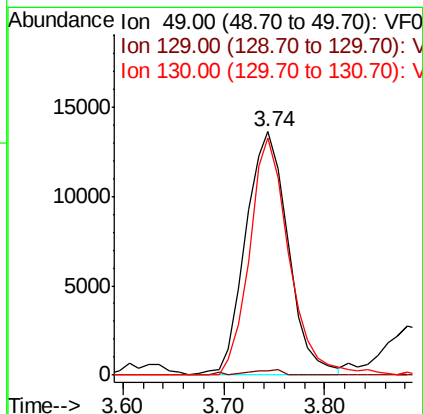
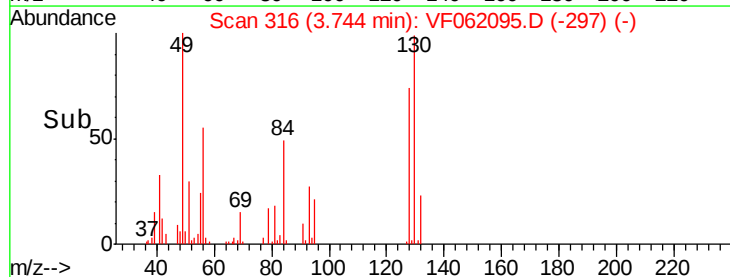
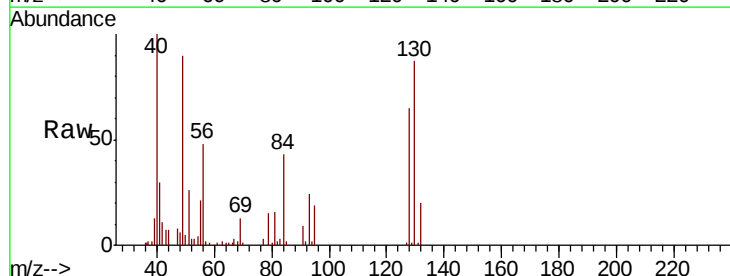
Tot Ion: 96 Resp: 72544
Ion Ratio Lower Upper
96 100
61 121.8 0.0 239.0
98 63.0 0.0 128.2

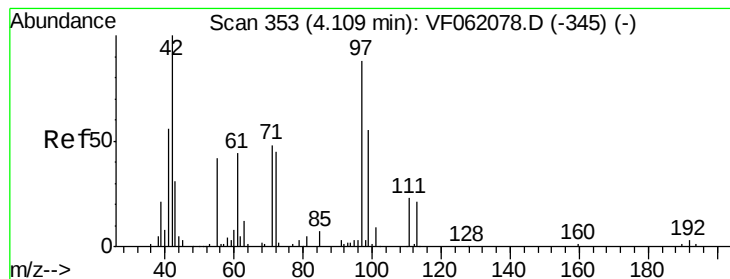


#28

Bromochloromethane
Concen: 23.462 ug/l
RT: 3.74 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 49 Resp: 40066
Ion Ratio Lower Upper
49 100
129 1.6 0.0 5.6
130 97.2 75.5 113.3





#29

Tetrahydrofuran

Concen: 104.130 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

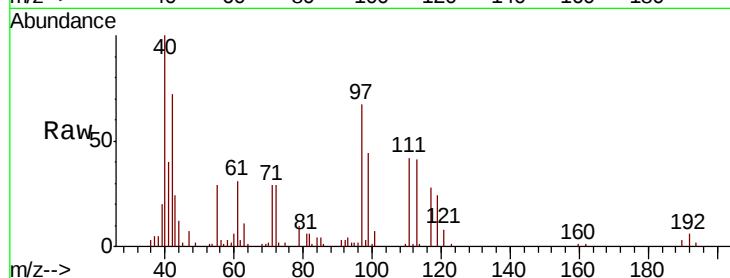
MSVOA_F

ClientSampleId :

VF0322SBS02

Tot Ion: 42 Resp: 38219

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.3	49.9
71	41.9	35.0	52.4

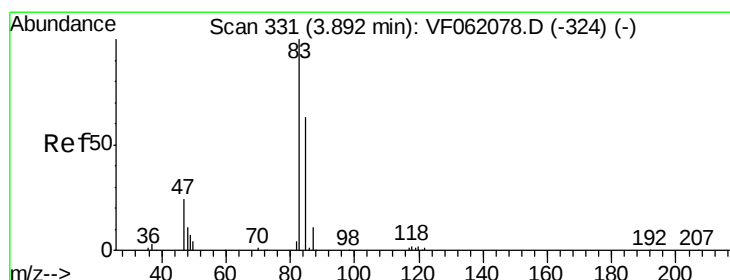
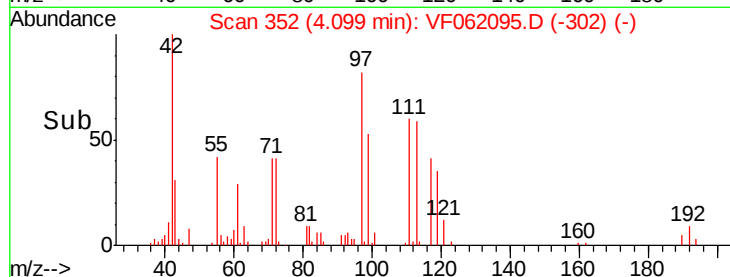
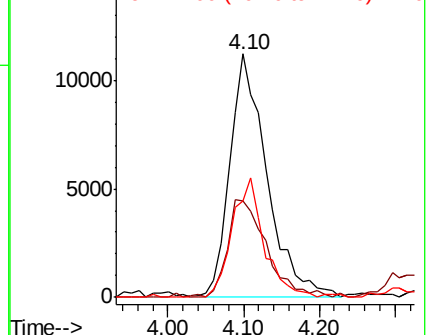


Abundance

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: 23.074 ug/l

RT: 3.88 min Scan# 330

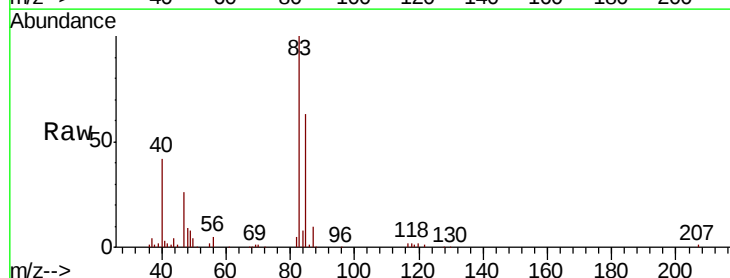
Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Tgt Ion: 83 Resp: 101919

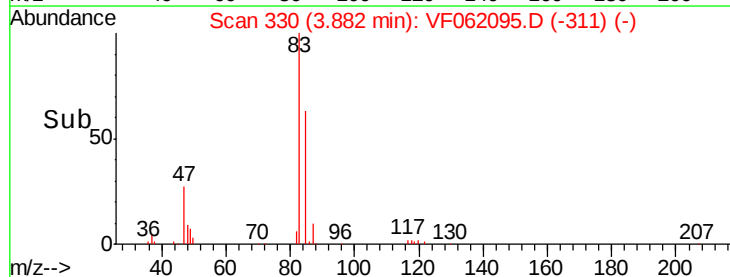
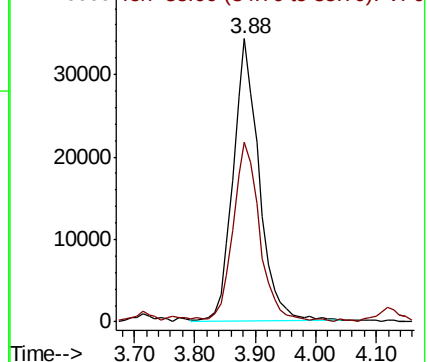
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3

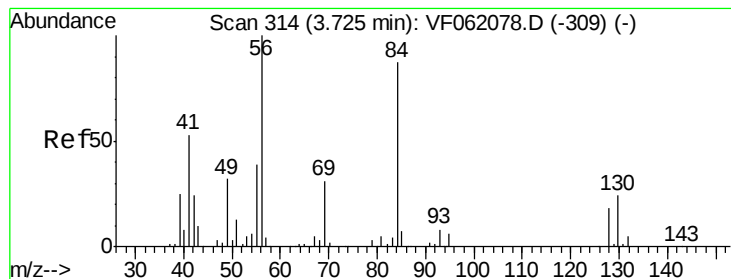


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 13.064 ug/l

RT: 3.71 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

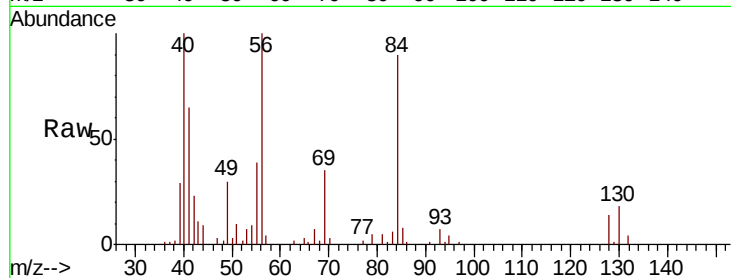
MSVOA_F

ClientSampleId :

VF0322SBS02

Tot Ion: 56 Resp: 57027

Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.9	38.9
84	90.1	71.1	106.7

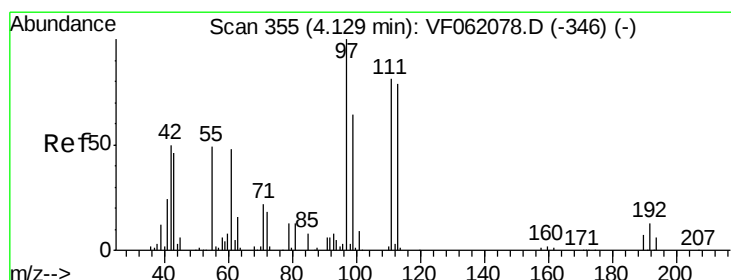
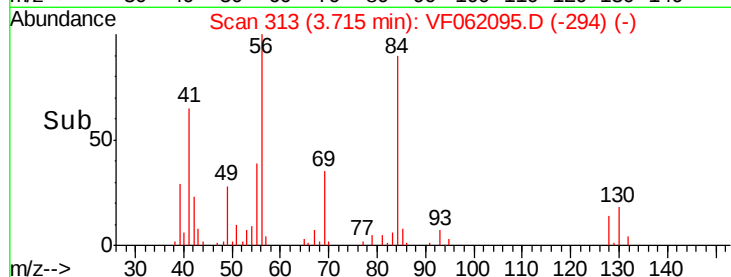
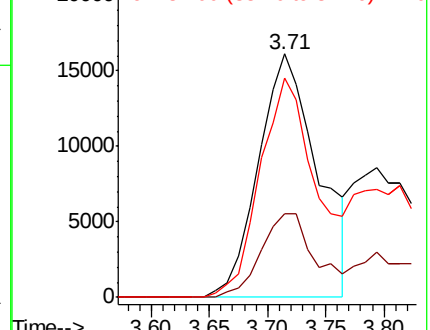


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 20.135 ug/l

RT: 4.12 min Scan# 354

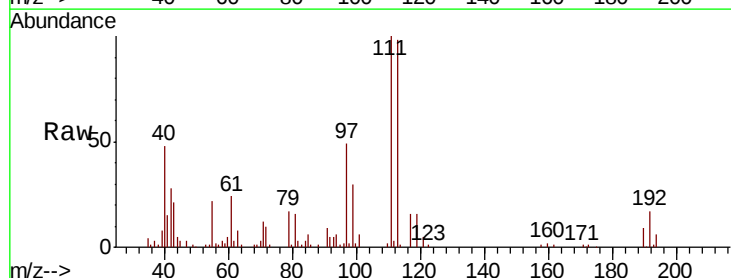
Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Tgt Ion: 97 Resp: 54101

Ion	Ratio	Lower	Upper
97	100		
99	60.6	51.3	76.9
61	48.3	39.0	58.6

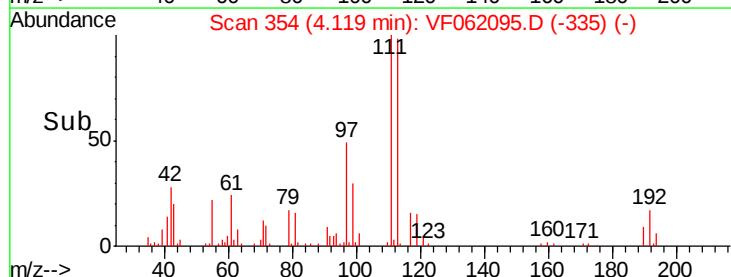
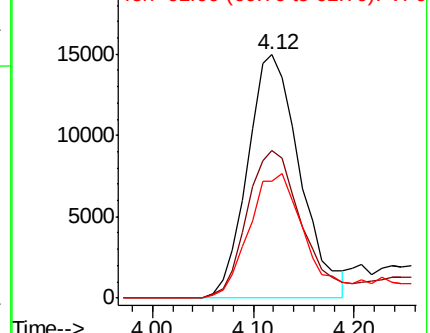


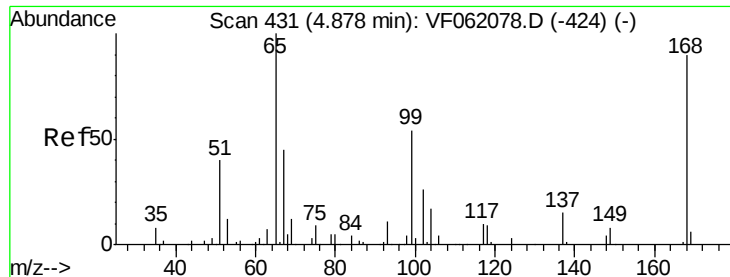
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

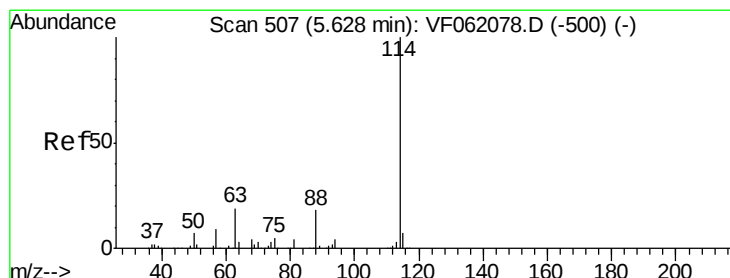
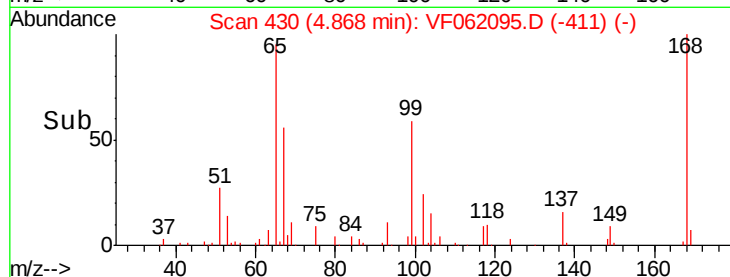
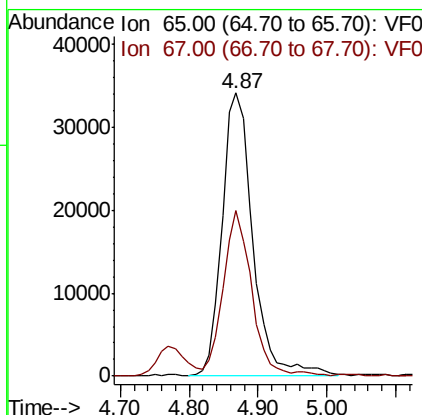
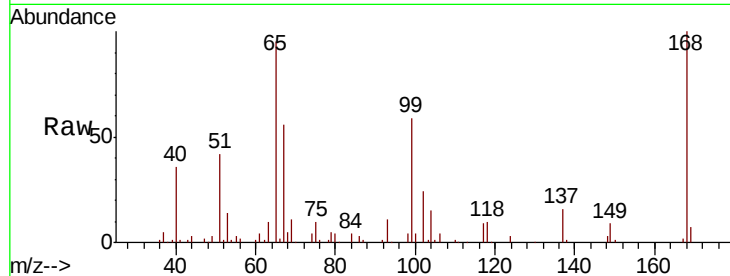




#33
 1,2-Dichloroethane-d4
 Concen: 55.144 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

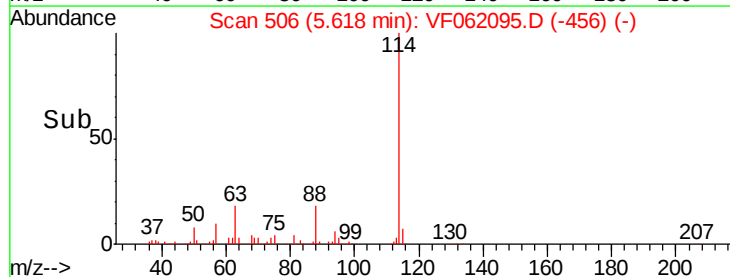
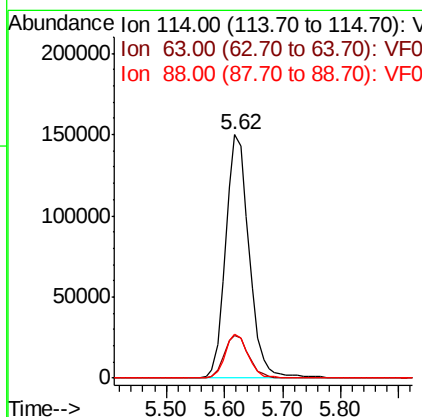
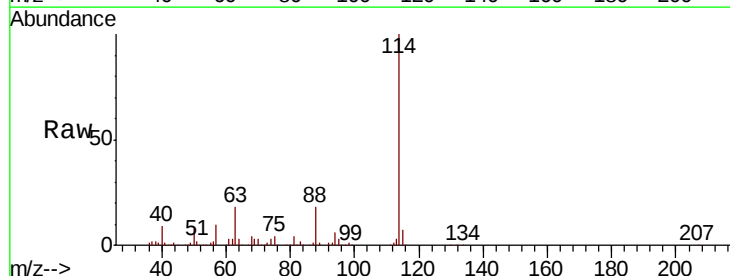
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

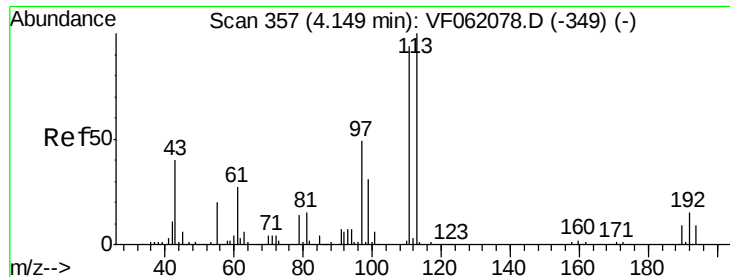
Tot Ion: 65 Resp: 105947
 Ion Ratio Lower Upper
 65 100
 67 58.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion: 114 Resp: 420585
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.8
 88 18.0 0.0 36.4

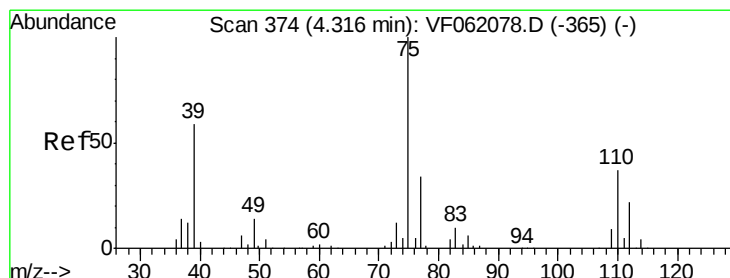
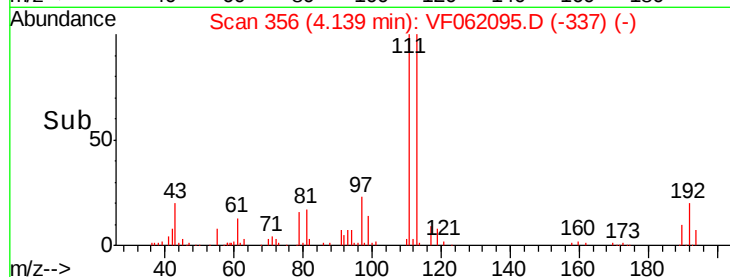
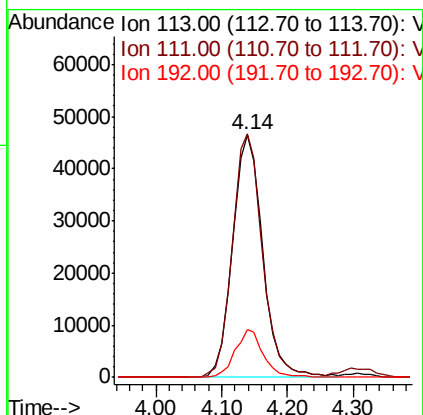
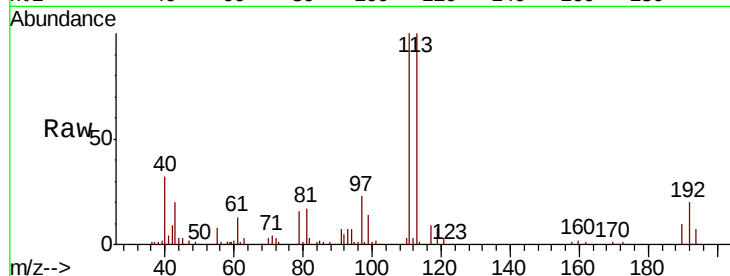




#35
 Dibromofluoromethane
 Concen: 52.660 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

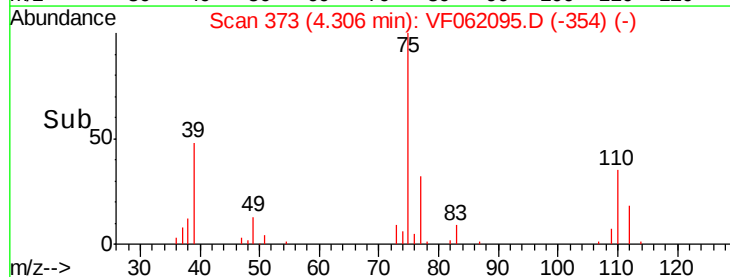
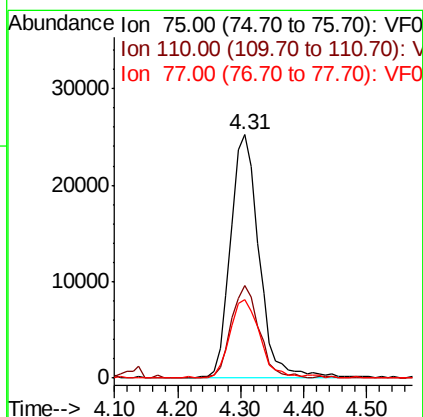
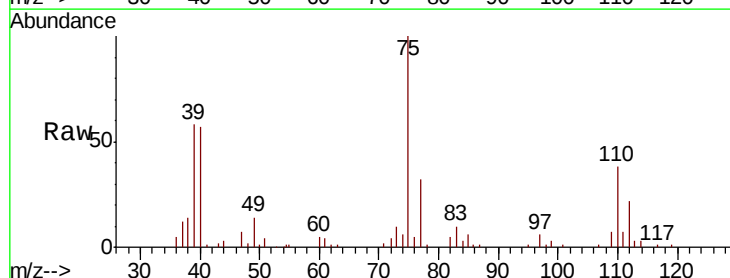
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

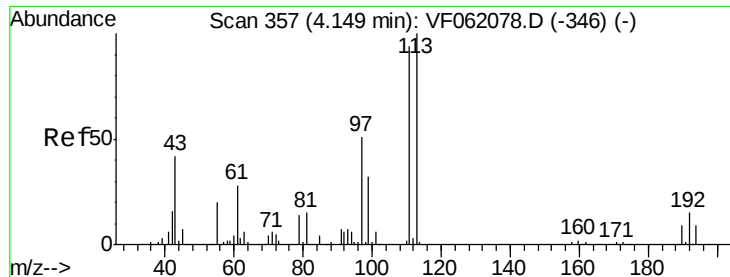
Tot Ion:113 Resp: 149821
 Ion Ratio Lower Upper
 113 100
 111 100.4 75.4 113.0
 192 19.6 12.3 18.5#



#36
 1,1-Dichloropropene
 Concen: 19.789 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion: 75 Resp: 79277
 Ion Ratio Lower Upper
 75 100
 110 38.1 18.5 55.5
 77 32.0 27.4 41.0

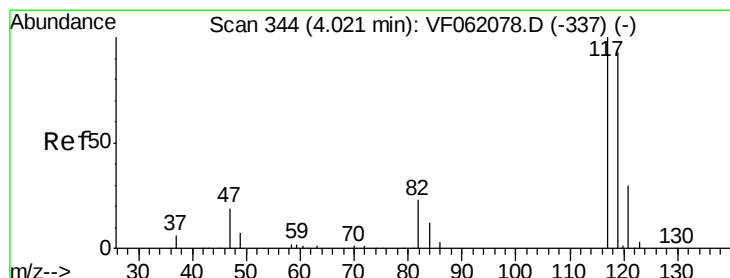
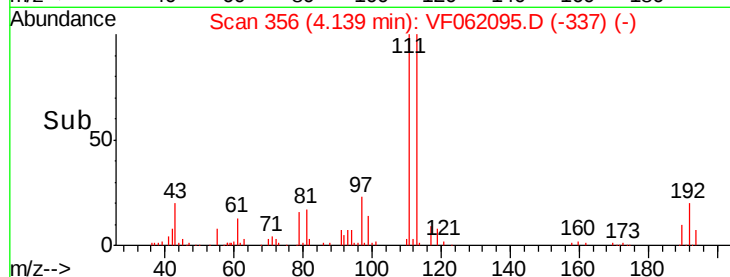
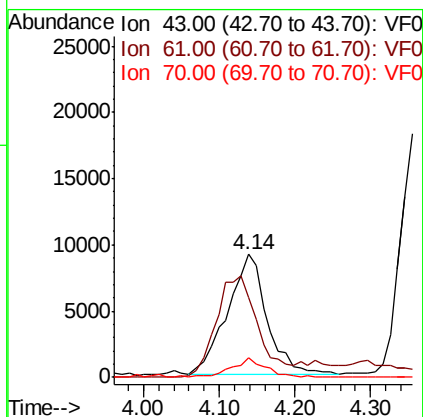
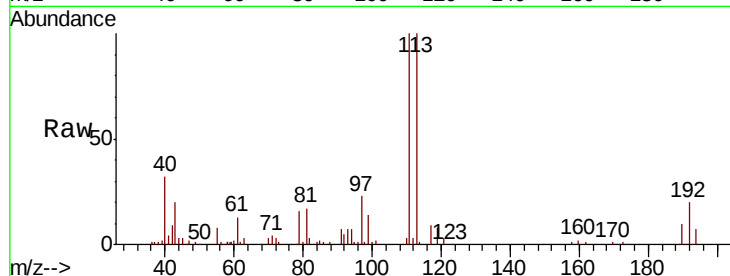




#37
Ethyl Acetate
Concen: 18.963 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

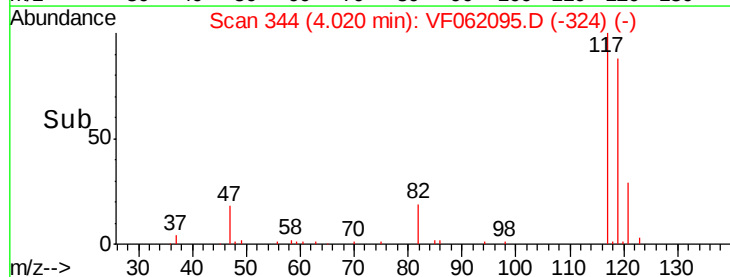
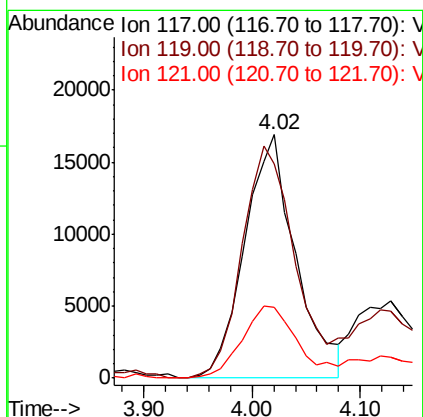
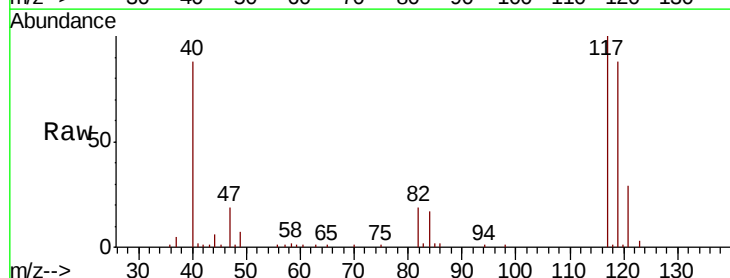
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

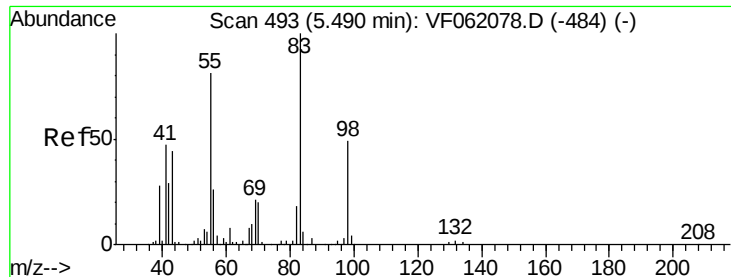
Tot Ion: 43 Resp: 33199
Ion Ratio Lower Upper
43 100
61 64.7 53.6 80.4
70 15.8 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 20.347 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 117 Resp: 55555
Ion Ratio Lower Upper
117 100
119 87.9 74.7 112.1
121 29.0 23.6 35.4

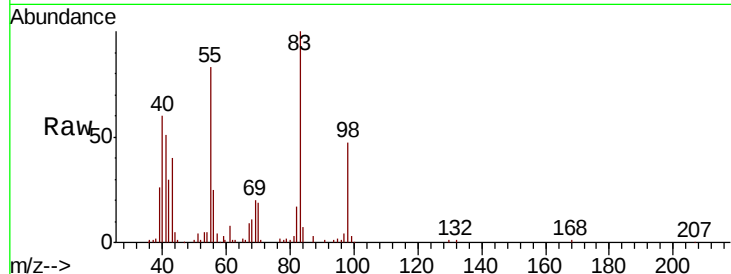




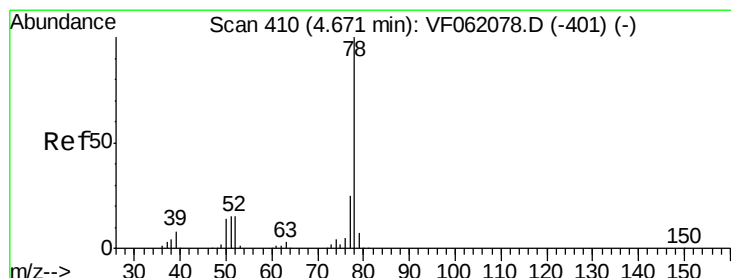
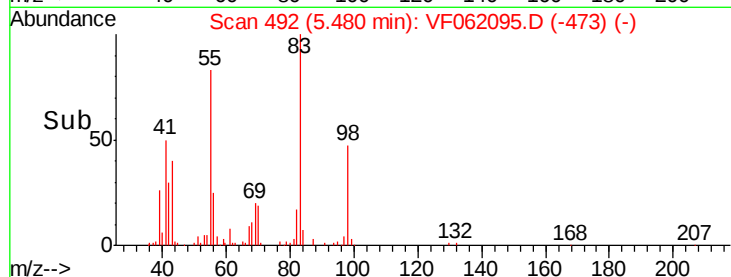
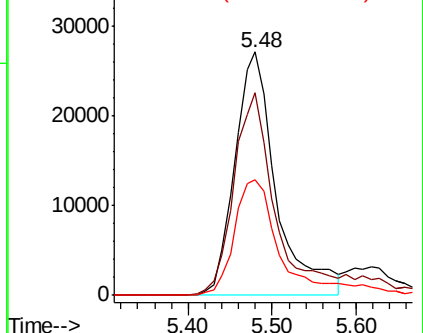
#39
Methvlcvclohexane
Concen: 20.085 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

Tot Ion: 83 Resp: 93385
Ion Ratio Lower Upper
83 100
55 83.5 64.5 96.7
98 47.2 39.1 58.7

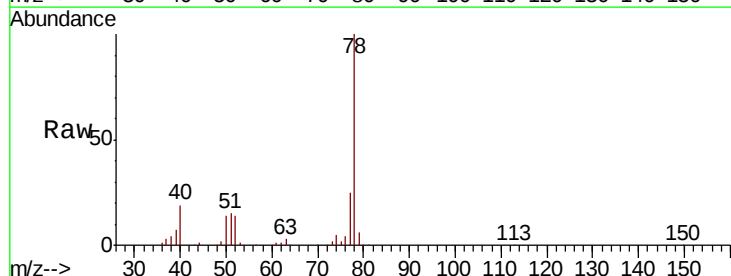


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

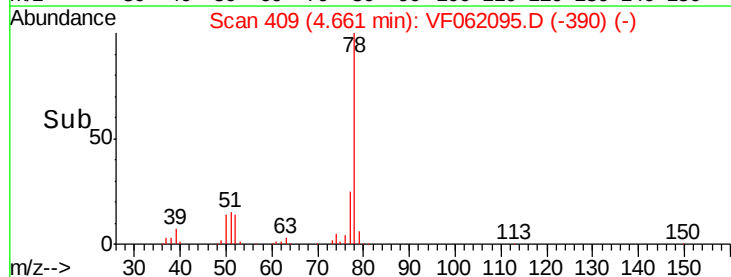
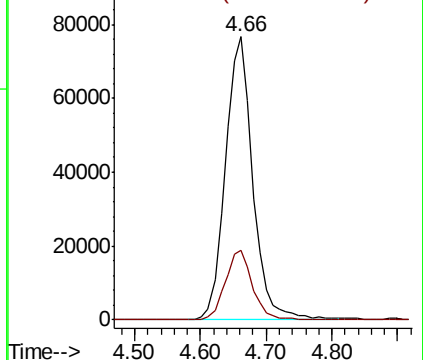


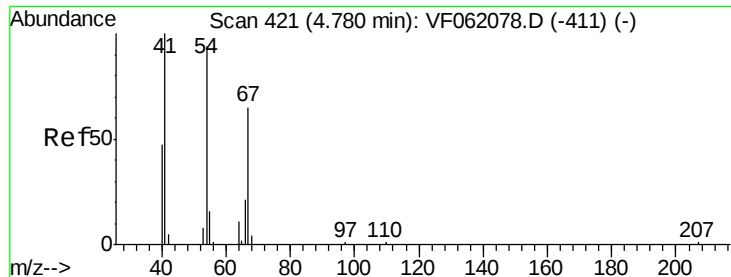
#40
Benzene
Concen: 20.772 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 78 Resp: 223077
Ion Ratio Lower Upper
78 100
77 24.7 19.8 29.6



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

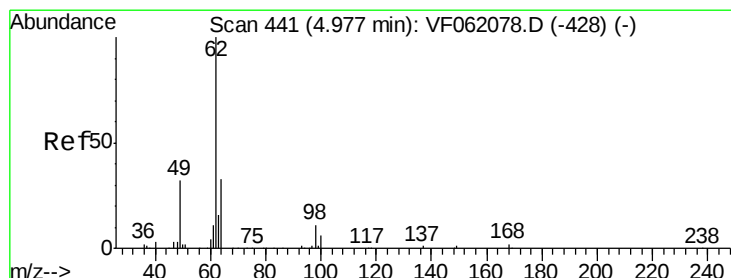
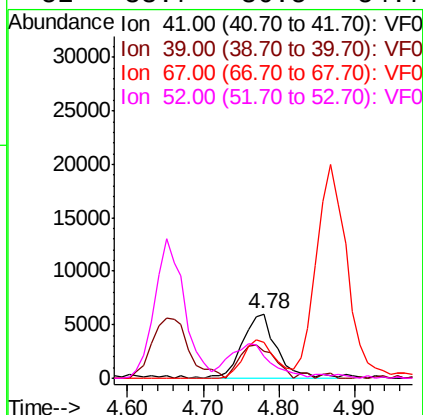
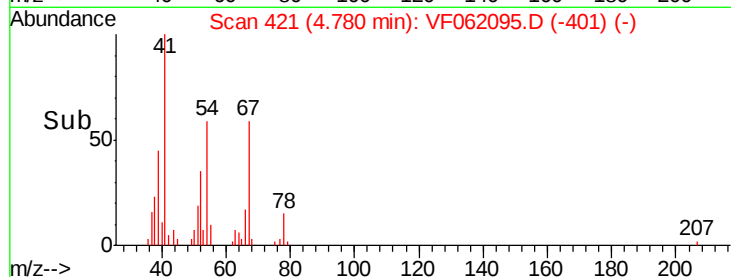
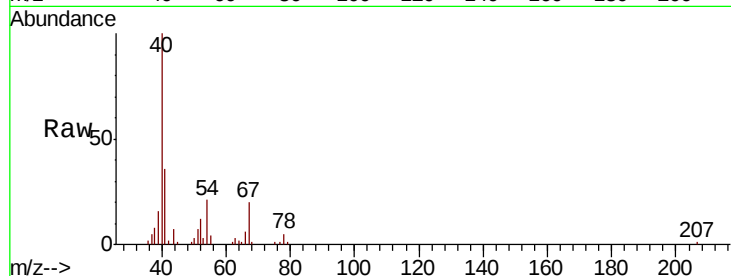




#41
Methacrylonitrile
Concen: 20.492 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

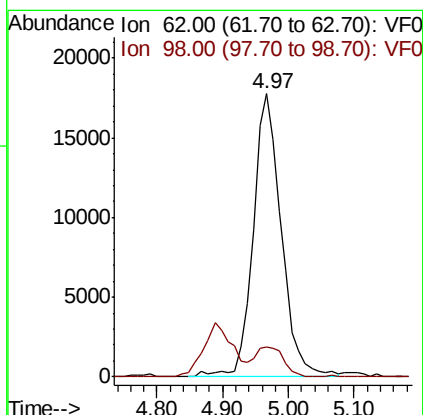
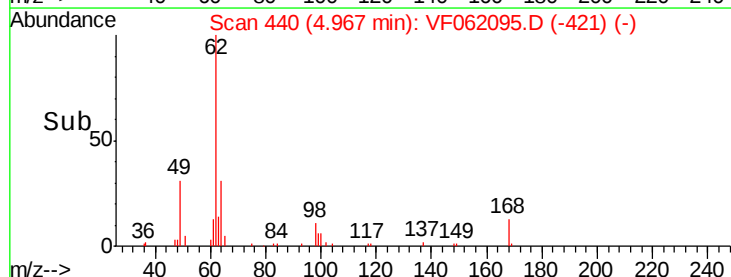
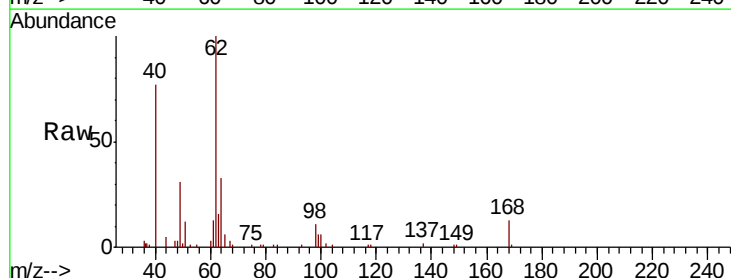
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

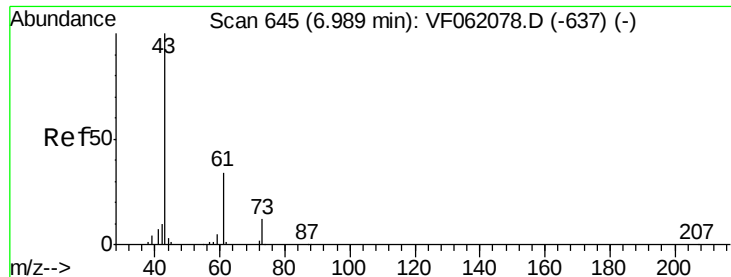
Tot Ion:	41	Resp:	18983
Ion	Ratio	Lower	Upper
41	100		
39	42.8	43.5	65.3#
67	56.2	51.6	77.4
52	33.7	36.5	54.7#



#42
1,2-Dichloroethane
Concen: 20.975 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion:	62	Resp:	53268
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	23.2





#43

Isopropyl Acetate

Concen: 19.804 ug/l

RT: 6.98 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

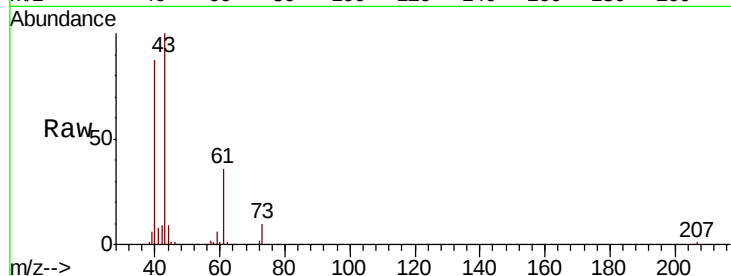
Tot Ion: 43 Resp: 41989

Ion Ratio Lower Upper

43 100

61 35.7 27.0 40.4

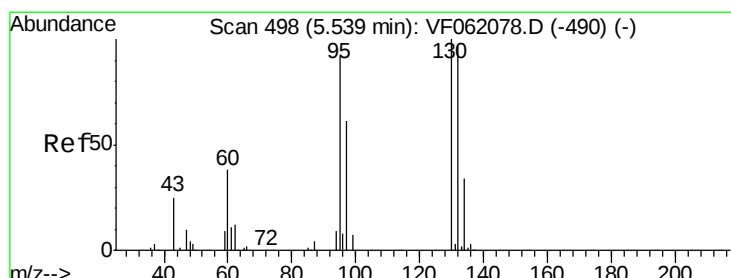
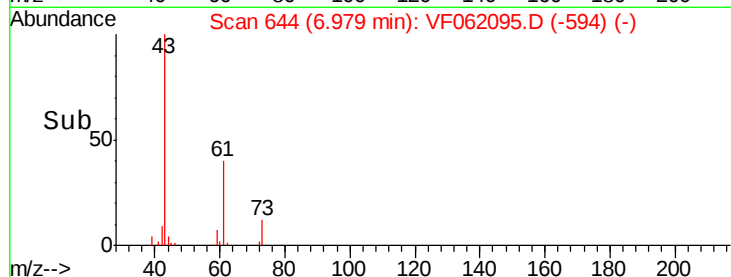
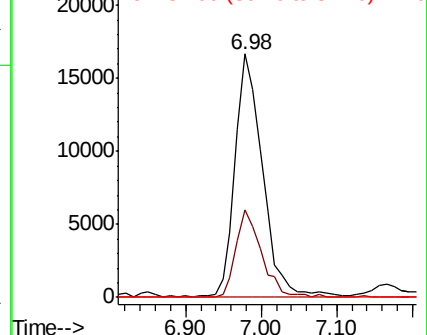
87 0.0 0.4 0.6#



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: 21.148 ug/l

RT: 5.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VF062095.D

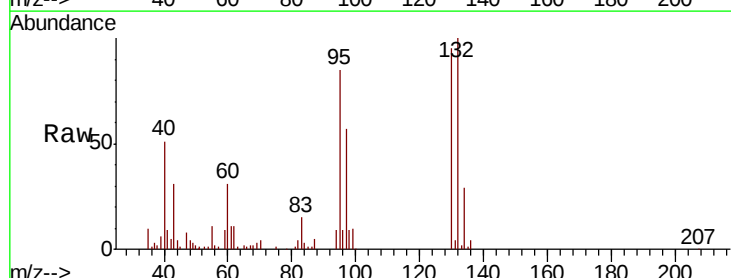
Acq: 22 Mar 2019 23:36

Tgt Ion: 130 Resp: 69439

Ion Ratio Lower Upper

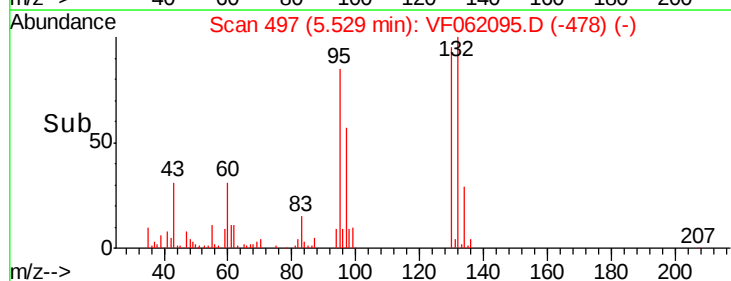
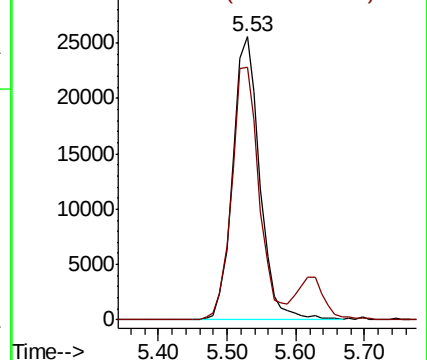
130 100

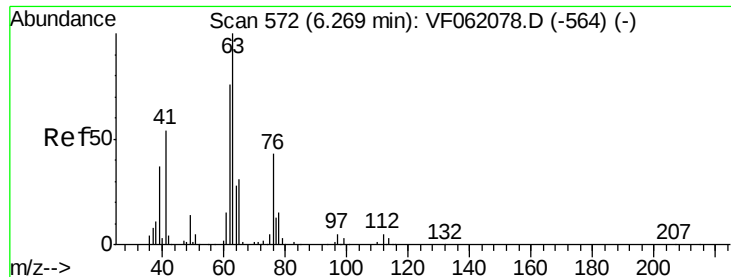
95 89.1 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.690 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

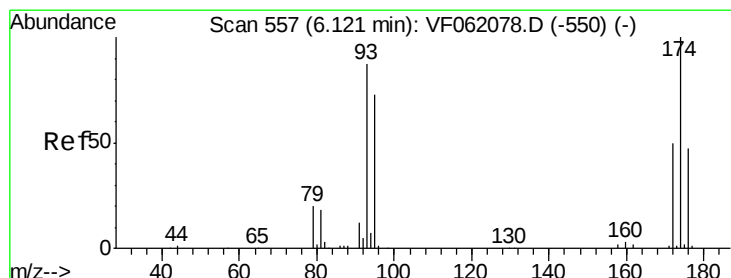
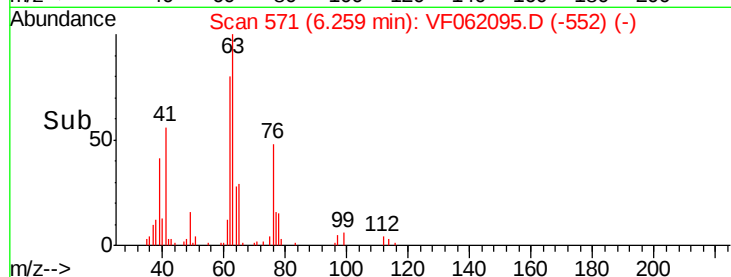
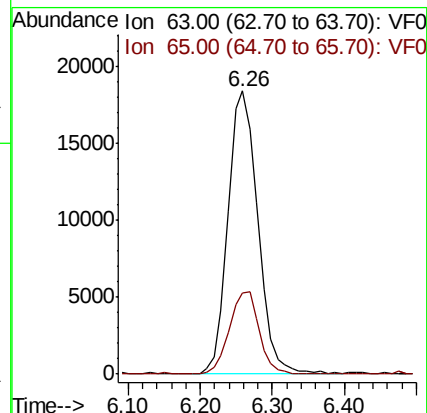
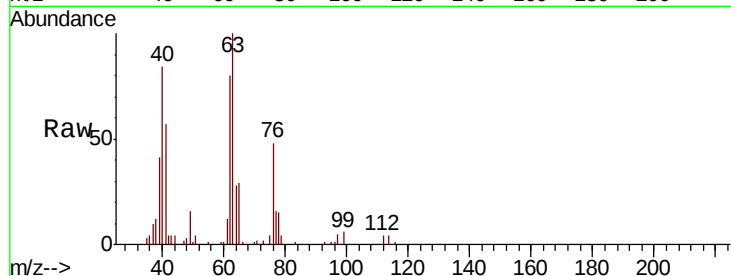
VF0322SBS02

Tot Ion: 63 Resp: 52996

Ion Ratio Lower Upper

63 100

65 28.8 24.9 37.3



#46

Dibromomethane

Concen: 19.857 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

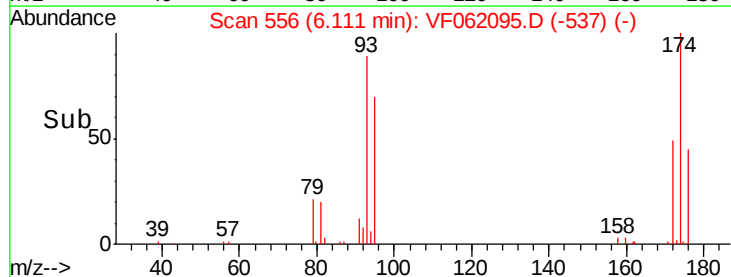
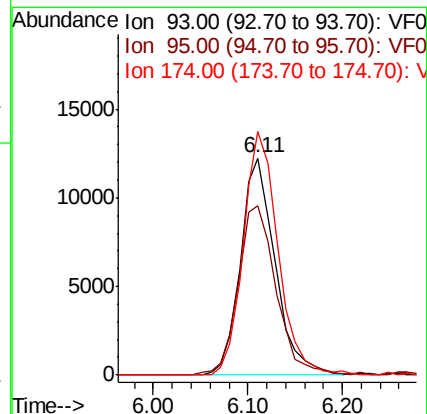
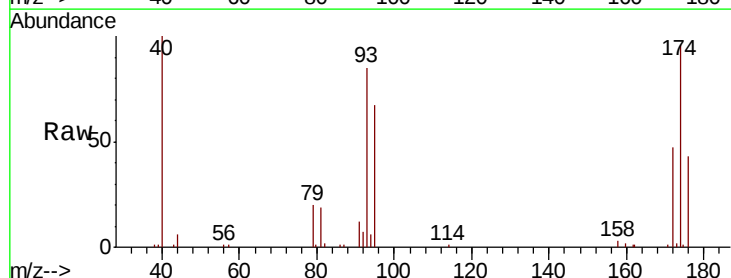
Tgt Ion: 93 Resp: 31099

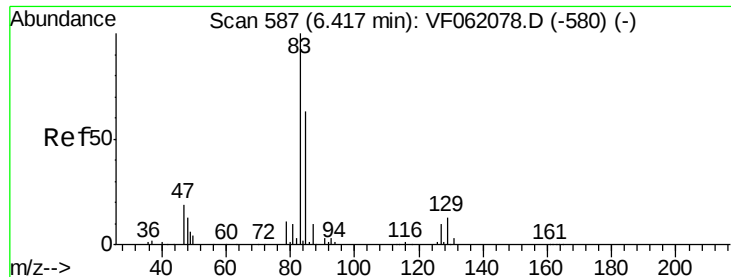
Ion Ratio Lower Upper

93 100

95 78.1 67.4 101.2

174 112.0 92.0 138.0





#47

Bromodichloromethane

Concen: 19.988 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

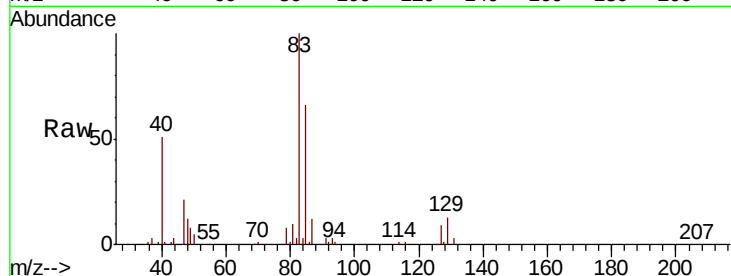
Tot Ion: 83 Resp: 69340

Ion Ratio Lower Upper

83 100

85 66.1 50.7 76.1

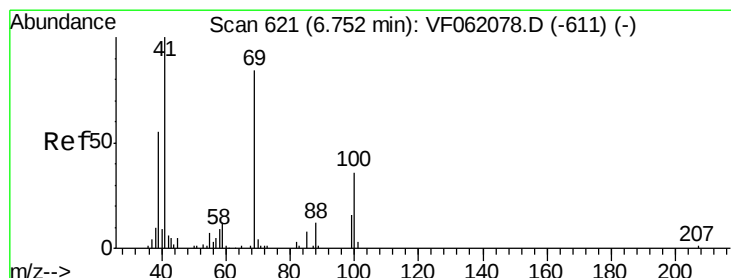
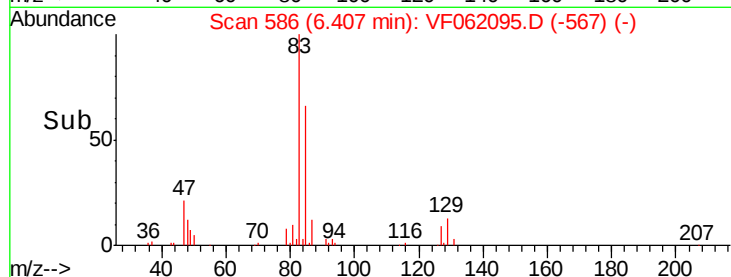
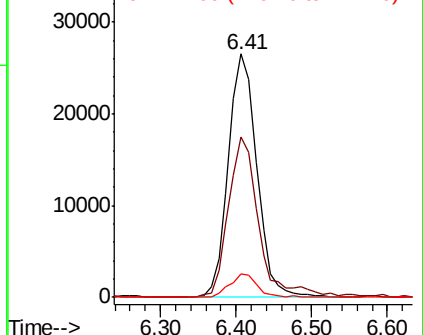
127 9.4 7.8 11.6



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: 20.105 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

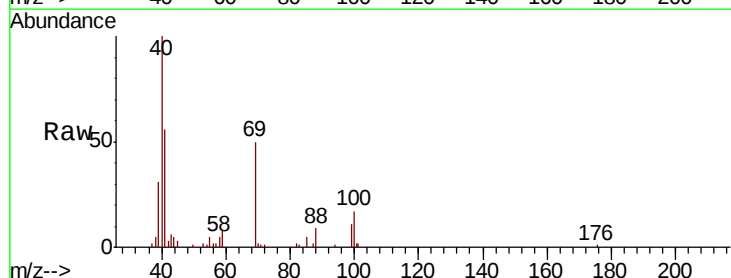
Tgt Ion: 41 Resp: 24271

Ion Ratio Lower Upper

41 100

69 89.0 66.6 100.0

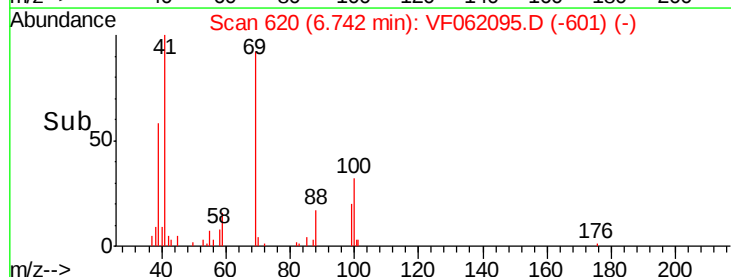
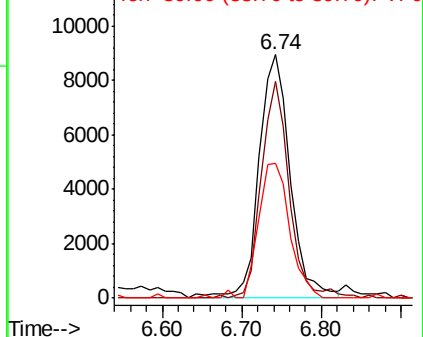
39 55.4 43.6 65.4

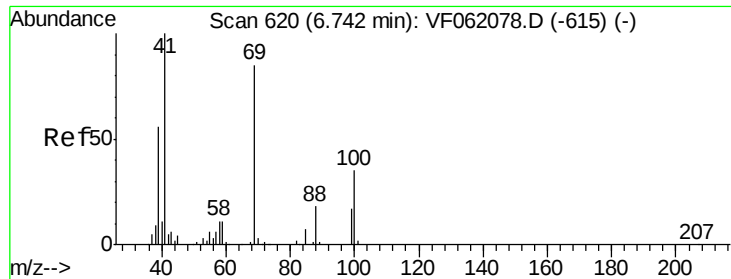


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

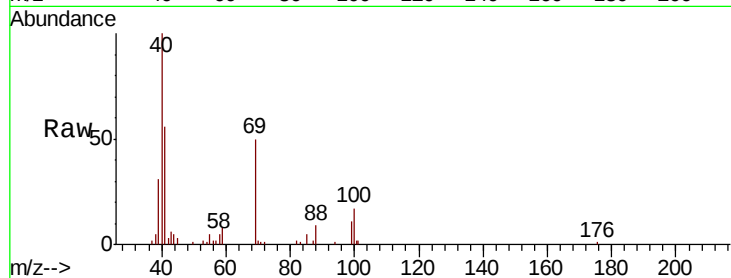




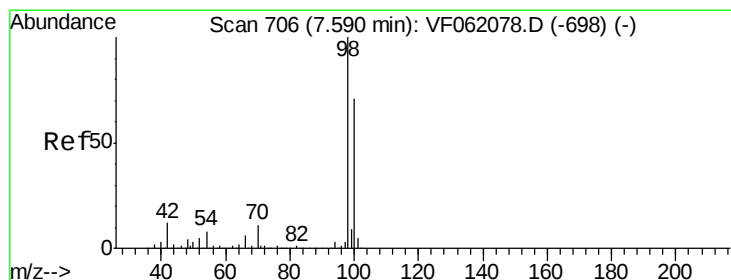
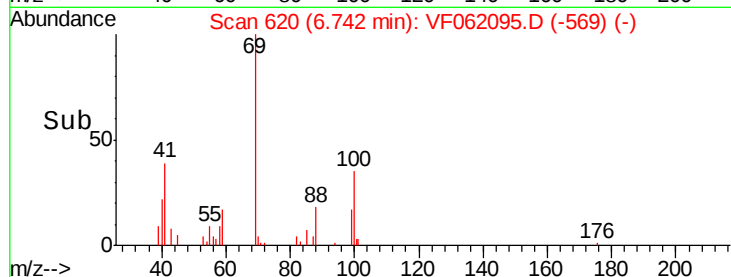
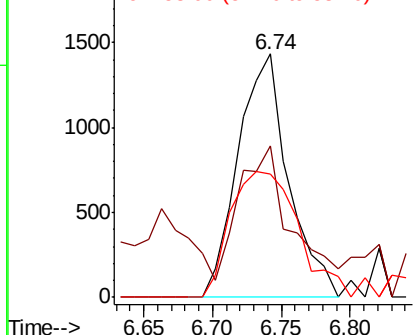
#49
1,4-Dioxane
Concen: 344.946 ug/l
RT: 6.74 min Scan# 620
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

Tot Ion: 88 Resp: 3654
Ion Ratio Lower Upper
88 100
43 62.3 35.0 52.4#
58 50.6 49.9 74.9

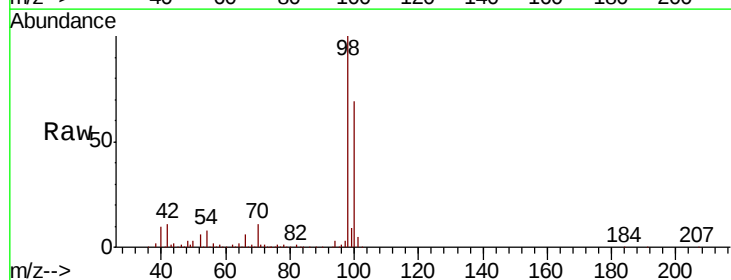


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

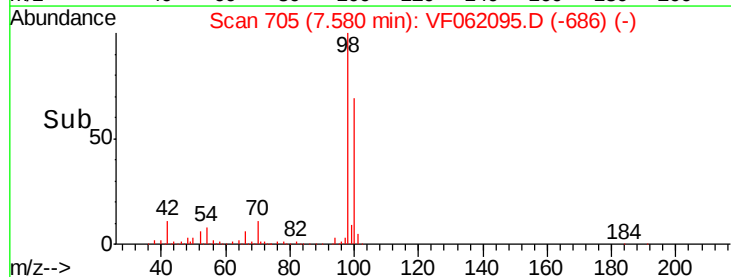
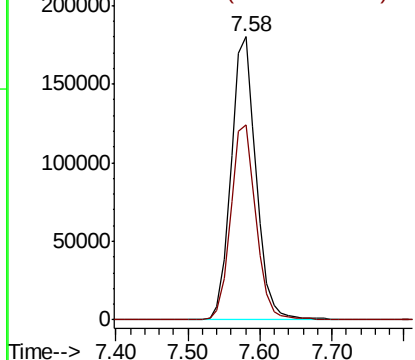


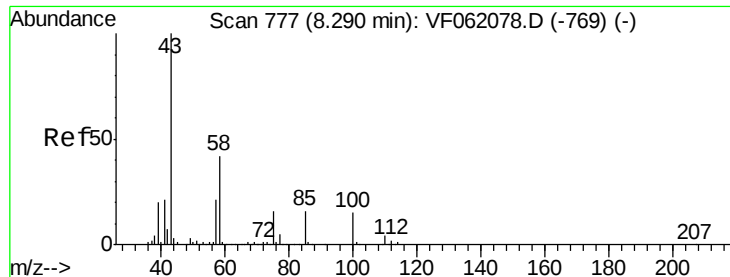
#50
Toluene-d8
Concen: 50.950 ug/l
RT: 7.58 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 98 Resp: 432699
Ion Ratio Lower Upper
98 100
100 69.1 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 102.418 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

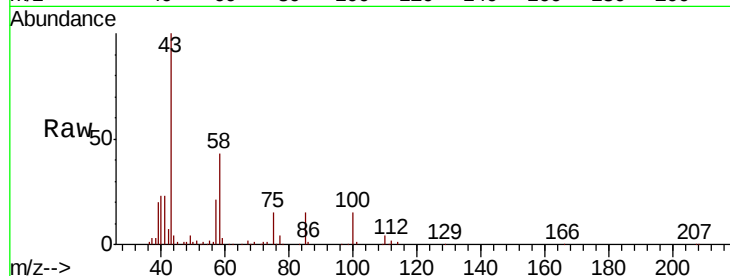
VF0322SBS02

Tot Ion: 43 Resp: 145344

Ion Ratio Lower Upper

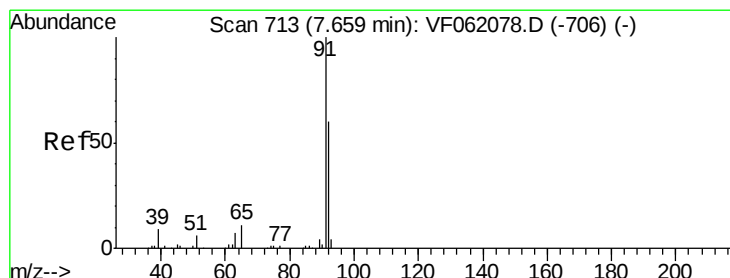
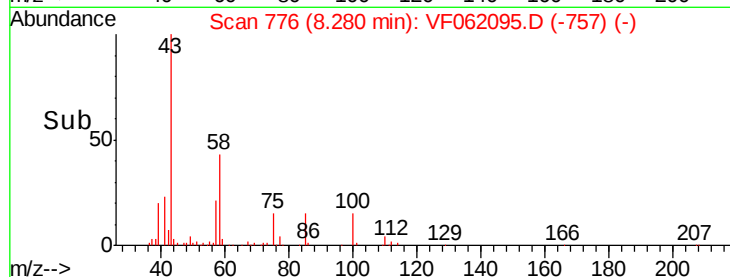
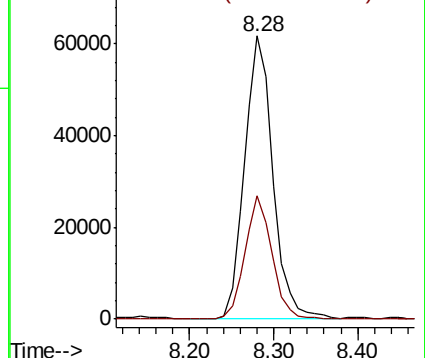
43 100

58 43.5 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.897 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF062095.D

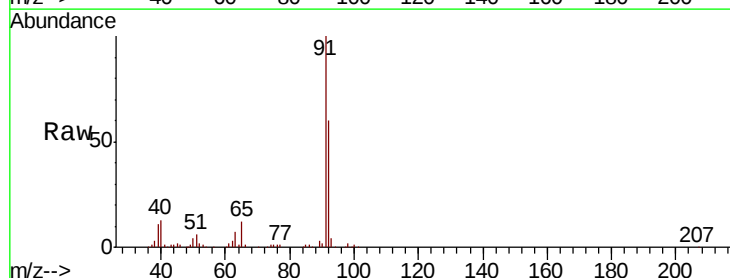
Acq: 22 Mar 2019 23:36

Tgt Ion: 92 Resp: 129990

Ion Ratio Lower Upper

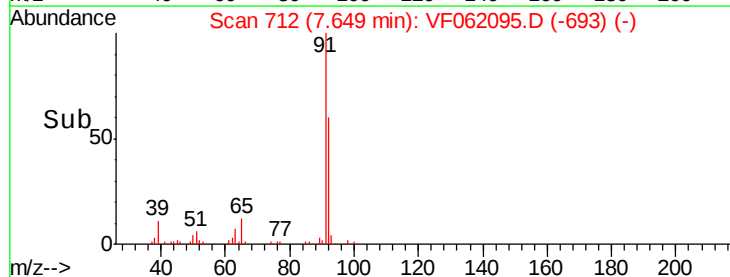
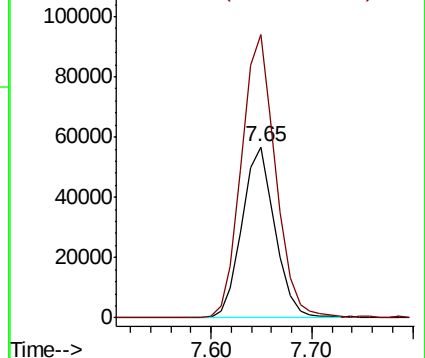
92 100

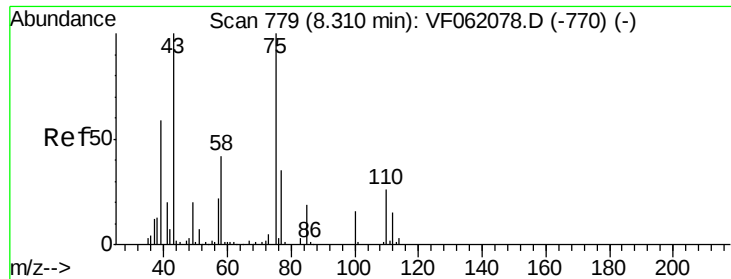
91 165.8 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

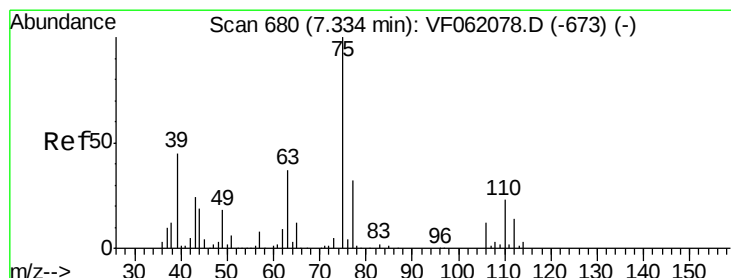
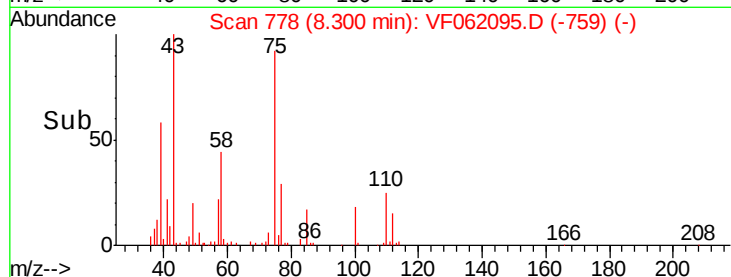
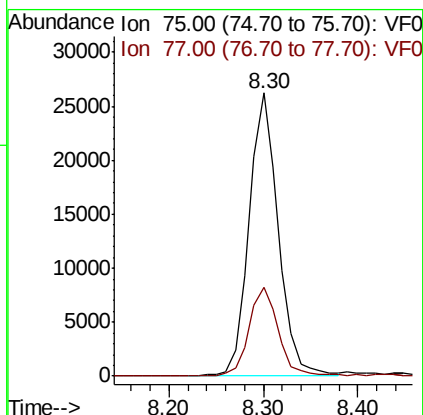
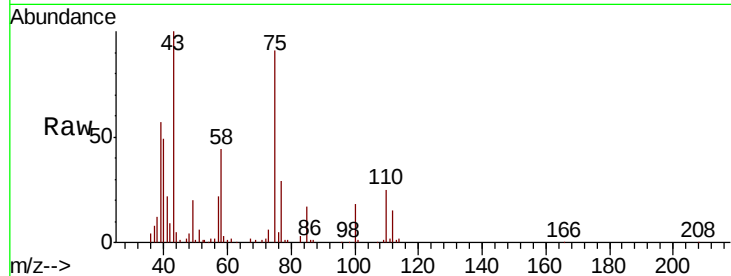




#53
 t-1,3-Dichloropropene
 Concen: 20.646 ug/l
 RT: 8.30 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

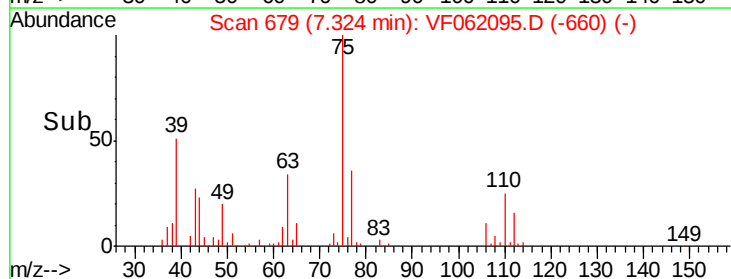
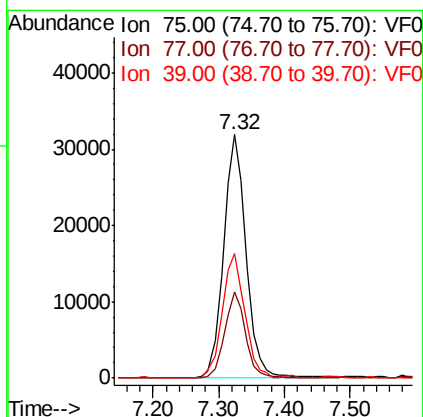
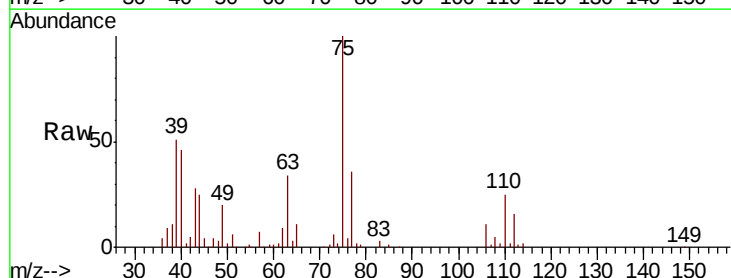
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

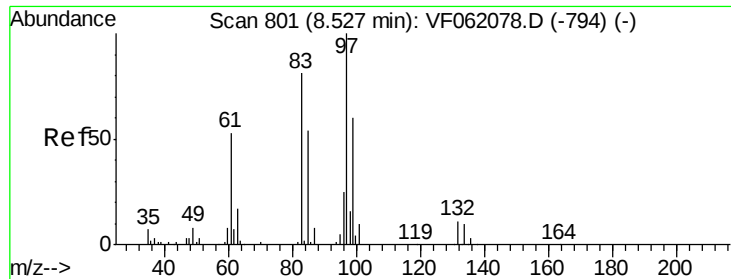
Tot Ion: 75 Resp: 56226
 Ion Ratio Lower Upper
 75 100
 77 31.4 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.587 ug/l
 RT: 7.32 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion: 75 Resp: 76321
 Ion Ratio Lower Upper
 75 100
 77 35.5 25.8 38.6
 39 51.0 35.9 53.9

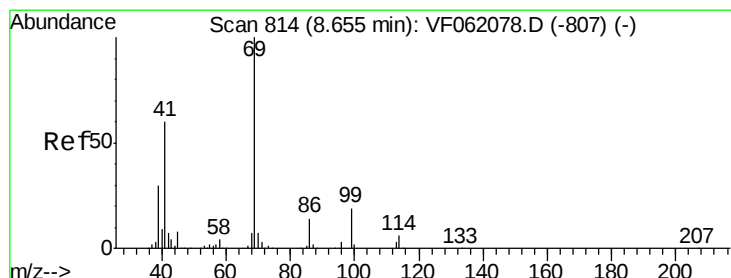
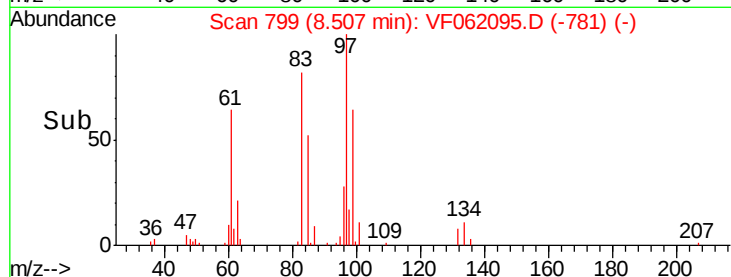
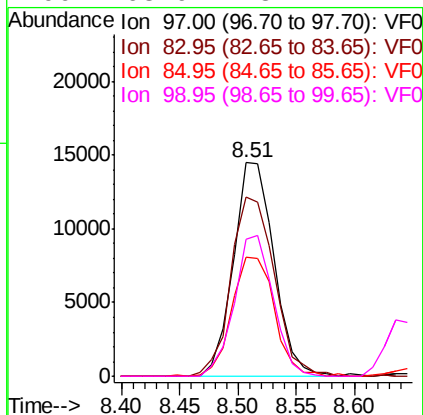
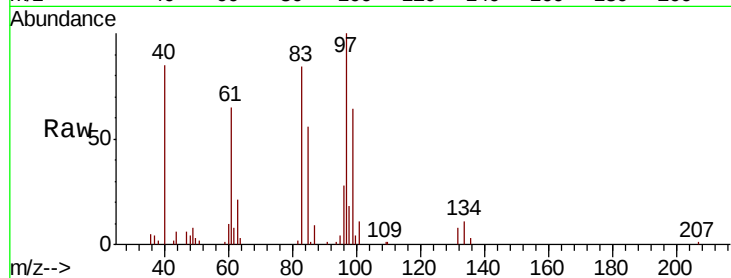




#55
 1,1,2-Trichloroethane
 Concen: 19.816 ug/l
 RT: 8.51 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

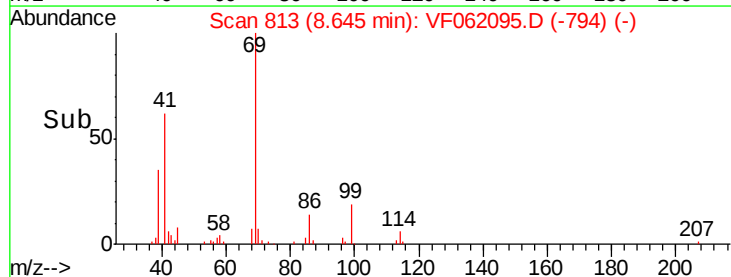
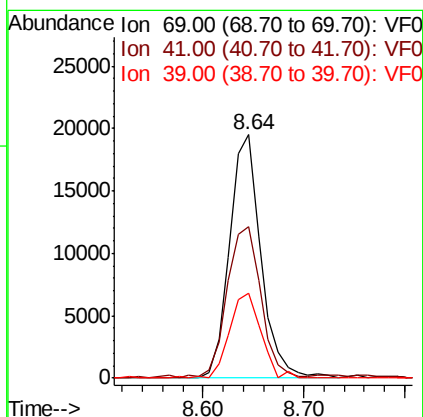
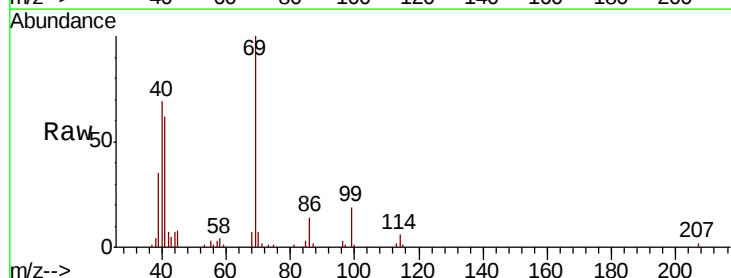
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

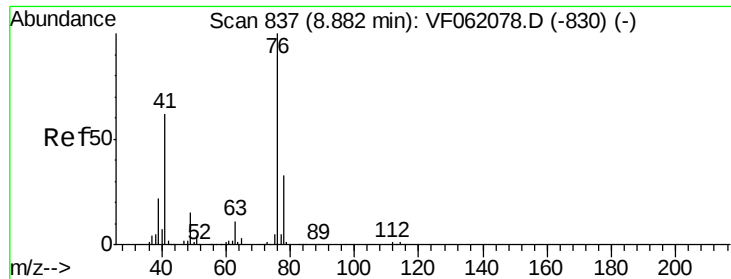
Tot Ion:	97	Resp:	35012
Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.6	97.0
85	55.8	43.6	65.4
99	63.9	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 19.956 ug/l
 RT: 8.64 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion:	69	Resp:	42051
Ion	Ratio	Lower	Upper
69	100		
41	62.4	48.2	72.2
39	34.7	24.0	36.0





#57

1,3-Dichloropropane

Concen: 20.665 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

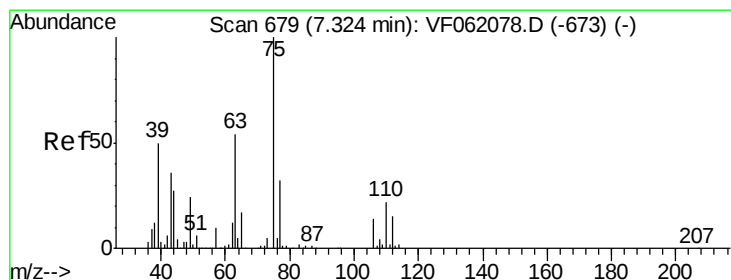
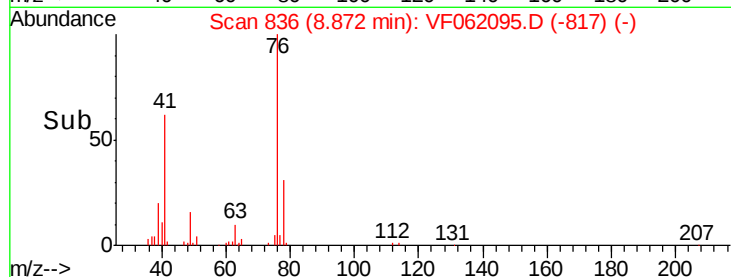
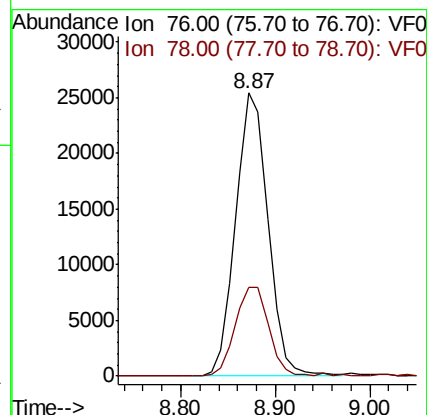
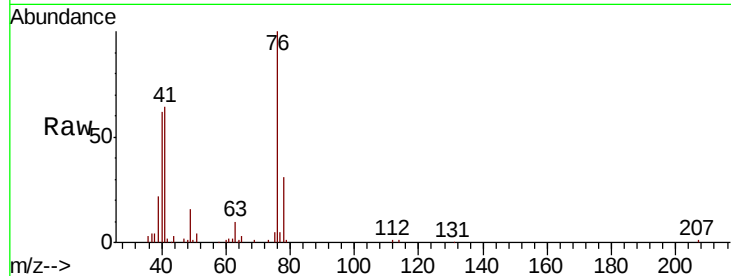
VF0322SBS02

Tot Ion: 76 Resp: 60599

Ion Ratio Lower Upper

76 100

78 31.3 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 94.702 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.01 min

Lab File: VF062095.D

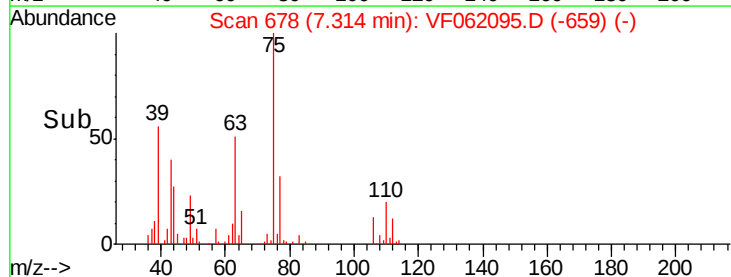
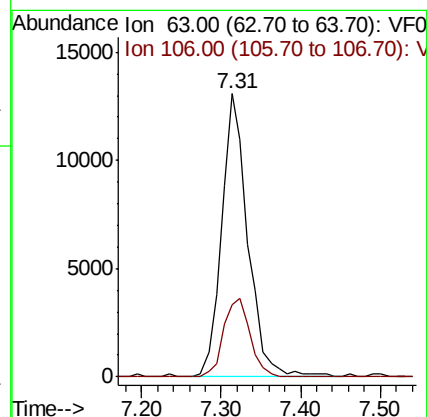
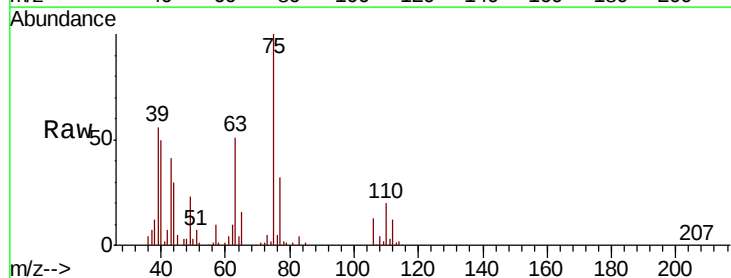
Acq: 22 Mar 2019 23:36

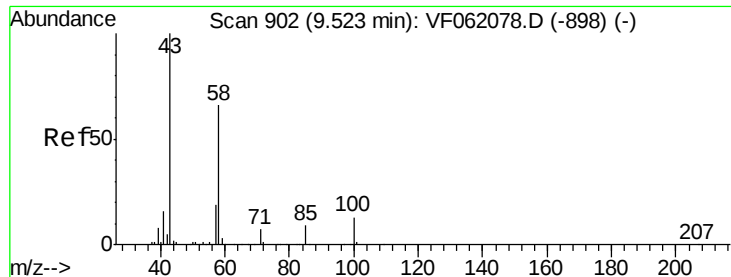
Tgt Ion: 63 Resp: 30281

Ion Ratio Lower Upper

63 100

106 25.5 21.5 32.3

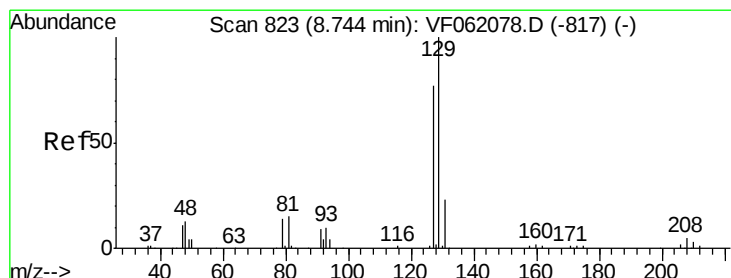
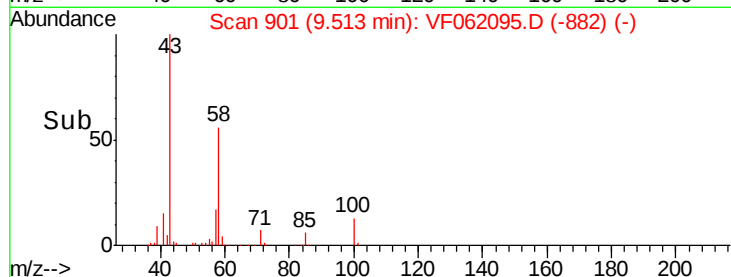
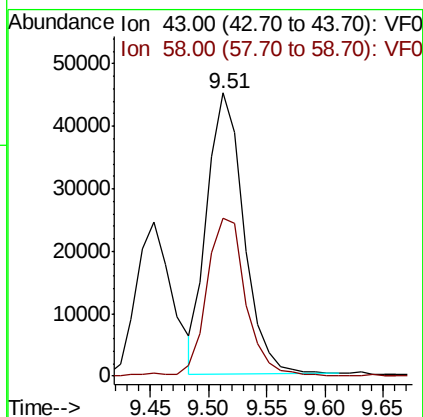
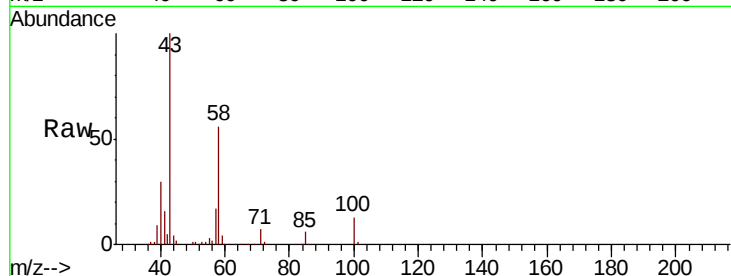




#59
2-Hexanone
Concen: 94.952 ug/l
RT: 9.51 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

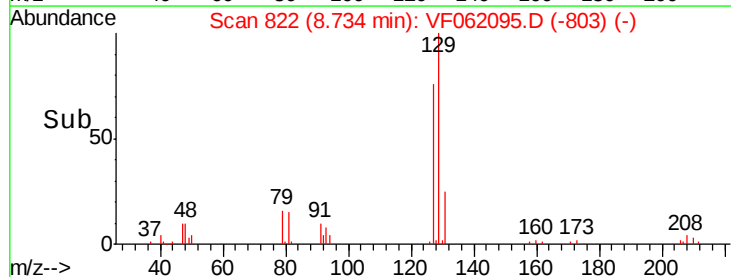
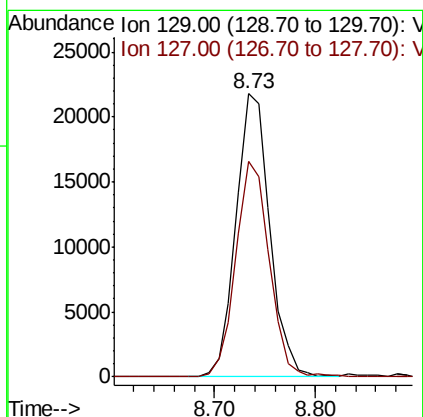
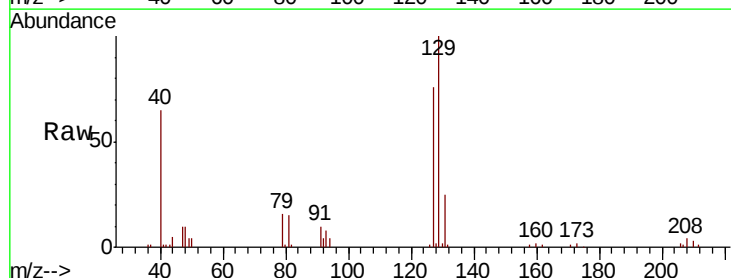
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

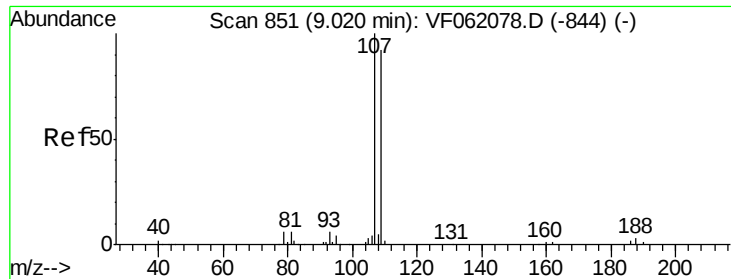
Tot Ion: 43 Resp: 98758
Ion Ratio Lower Upper
43 100
58 55.6 28.8 86.4



#60
Dibromochloromethane
Concen: 20.675 ug/l
RT: 8.73 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion: 129 Resp: 50782
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1

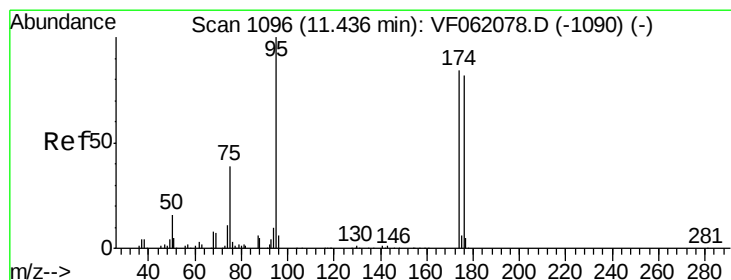
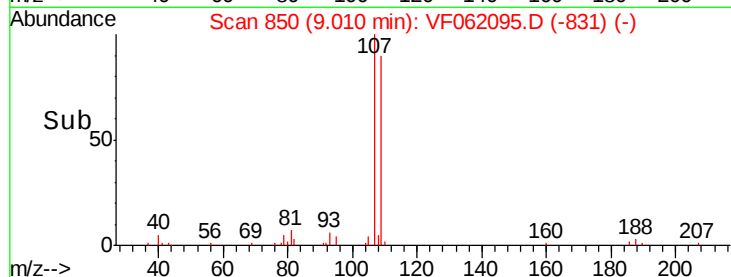
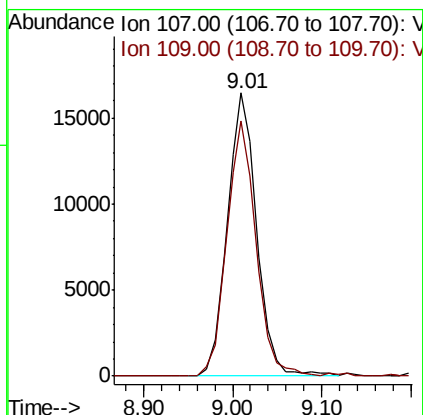
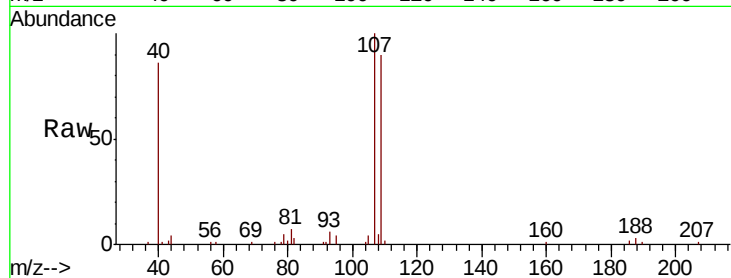




#61
 1,2-Dibromoethane
 Concen: 20.166 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

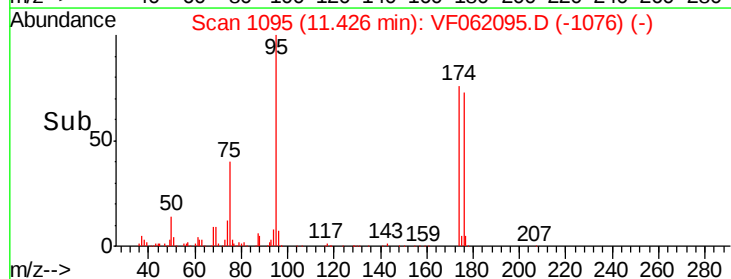
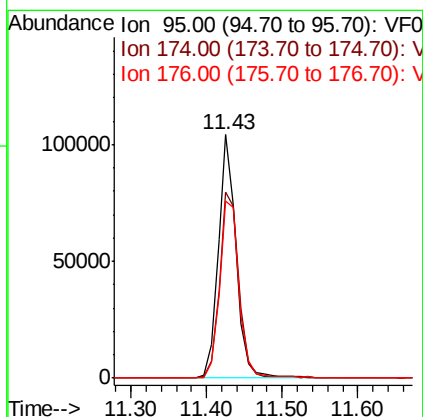
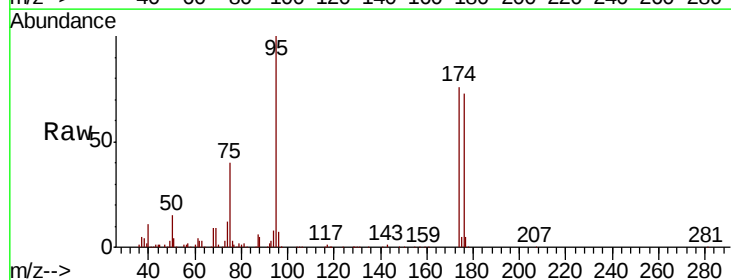
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

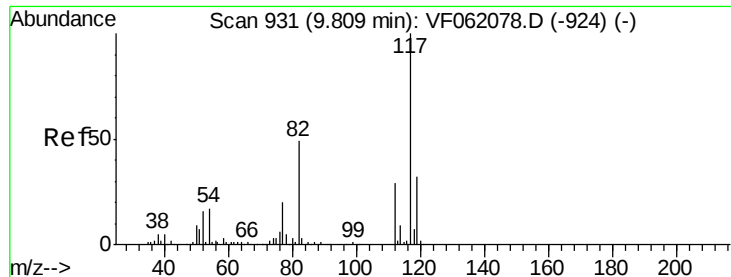
Tot Ion:107 Resp: 38013
 Ion Ratio Lower Upper
 107 100
 109 90.1 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 52.752 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion: 95 Resp: 172955
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 168.2
 176 72.9 0.0 164.2

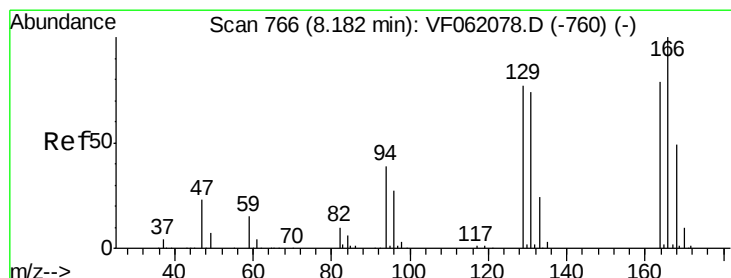
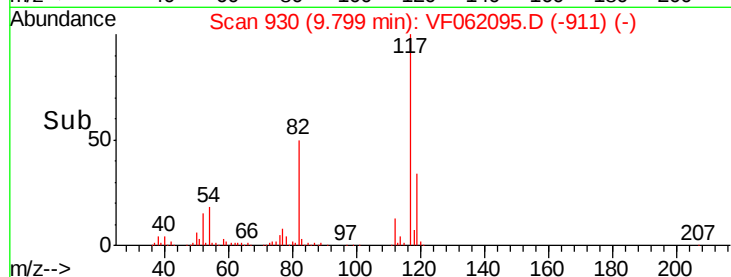
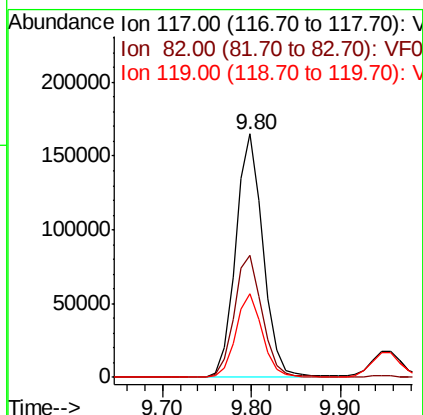
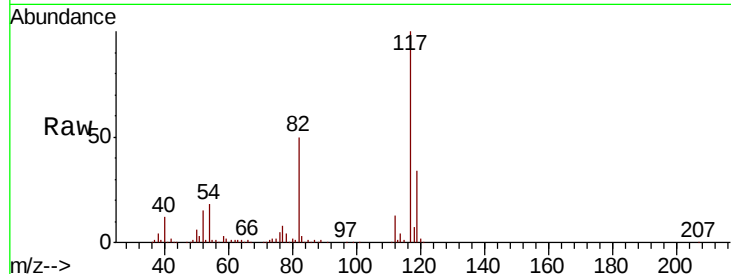




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

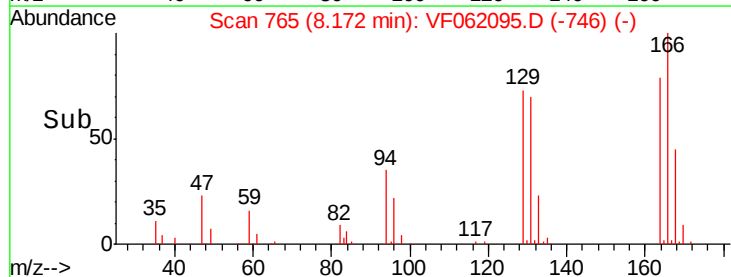
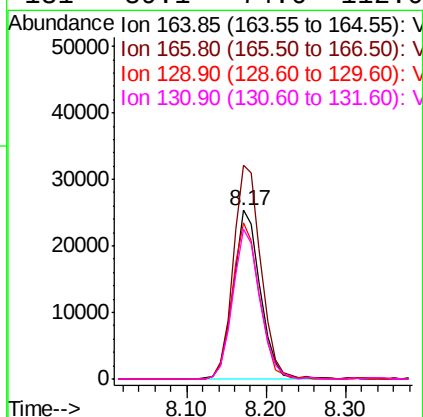
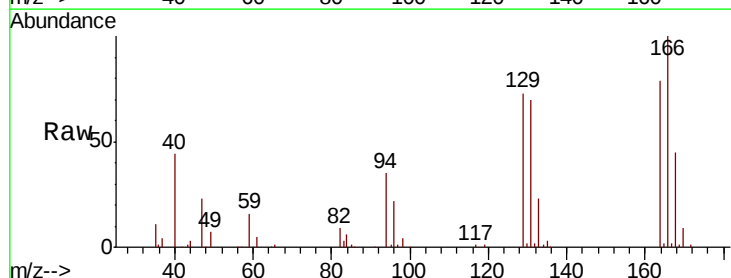
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

Tot Ion:117 Resp: 353462
Ion Ratio Lower Upper
117 100
82 50.3 39.2 58.8
119 34.2 25.4 38.2



#64
Tetrachloroethene
Concen: 21.946 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion:164 Resp: 59930
Ion Ratio Lower Upper
164 100
166 126.6 100.9 151.3
129 92.2 77.9 116.9
131 89.1 74.6 112.0

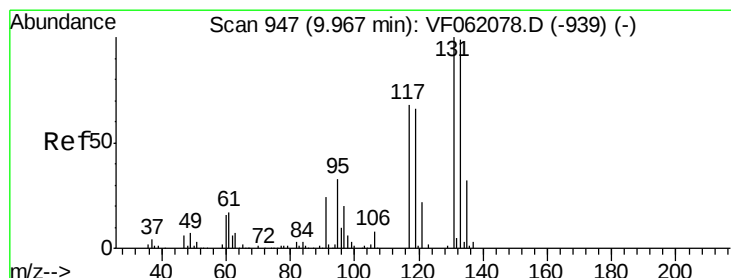
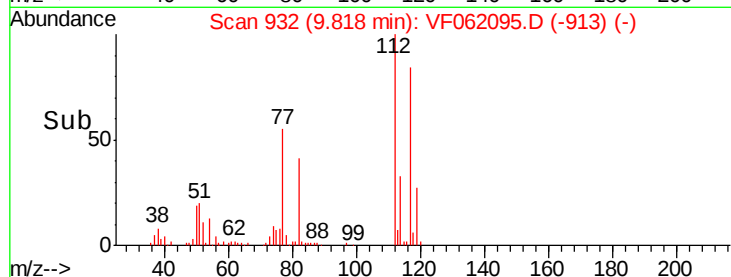
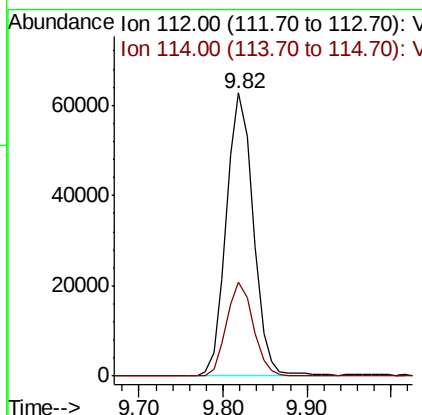
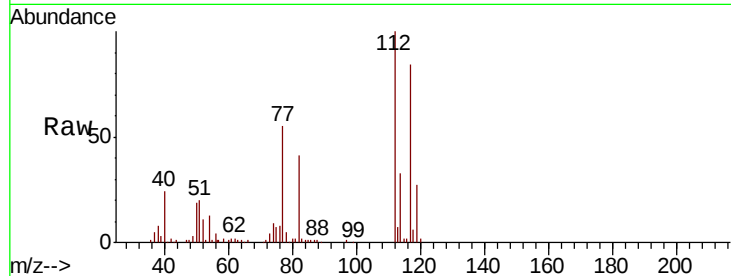




#65
Chlorobenzene
Concen: 21.324 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

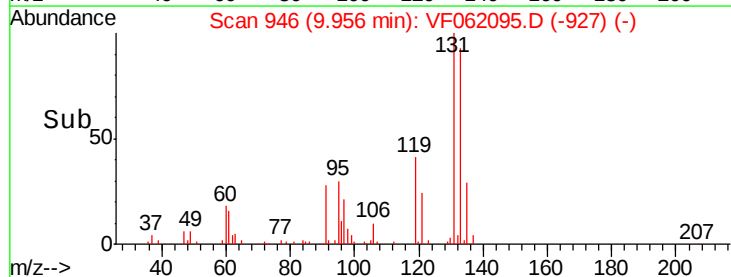
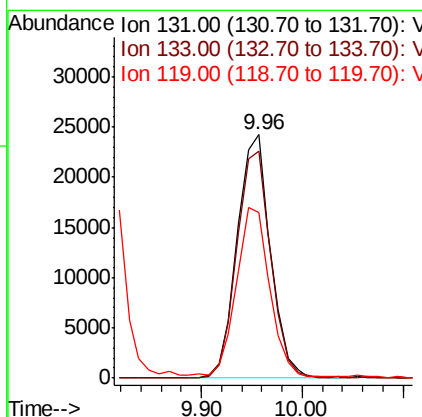
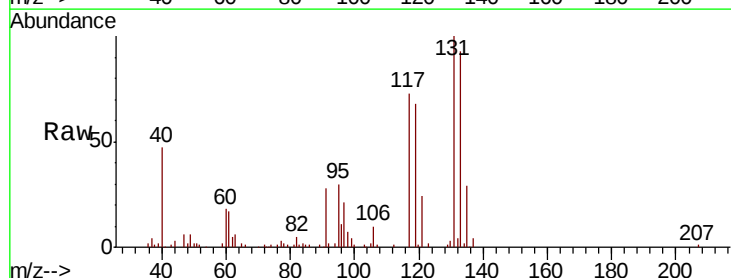
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

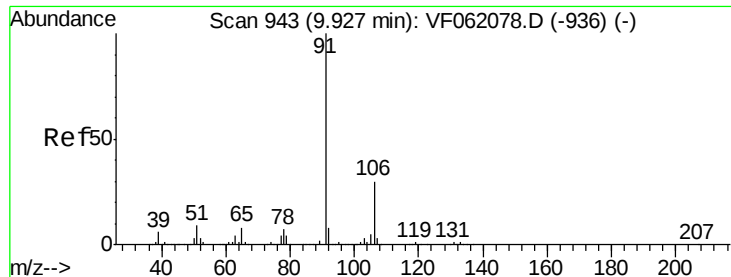
Tot Ion:112 Resp: 141024
Ion Ratio Lower Upper
112 100
114 33.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.966 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion:131 Resp: 55696
Ion Ratio Lower Upper
131 100
133 93.1 49.3 147.8
119 67.8 33.5 100.4





#67

Ethyl Benzene

Concen: 21.450 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

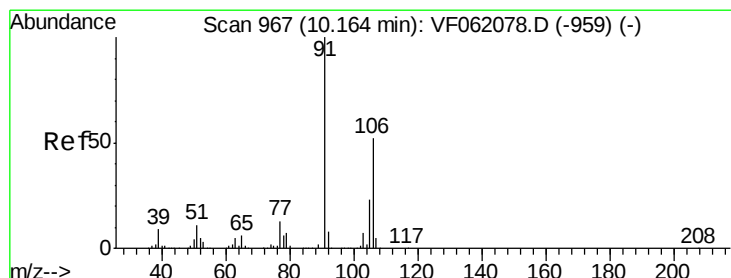
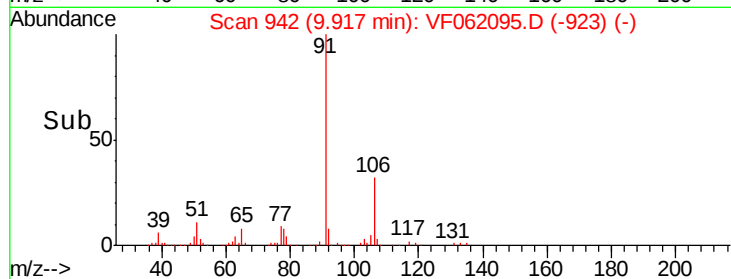
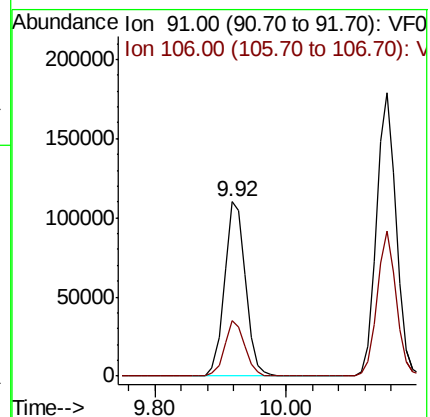
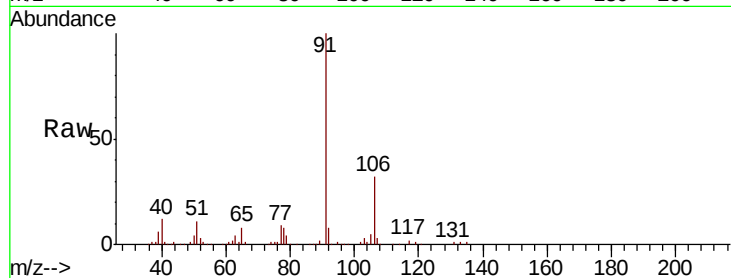
VF0322SBS02

Tot Ion: 91 Resp: 246703

Ion Ratio Lower Upper

91 100

106 31.6 24.0 36.0



#68

m/p-Xylenes

Concen: 43.823 ug/l

RT: 10.15 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF062095.D

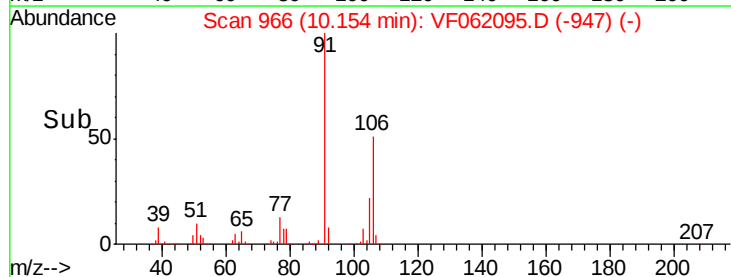
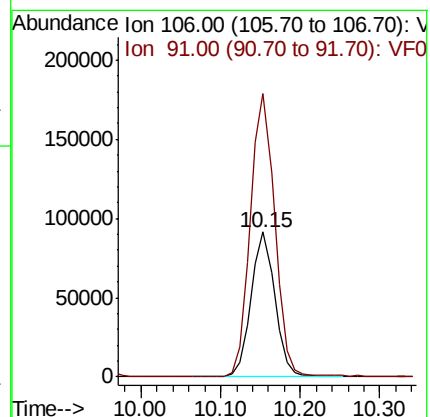
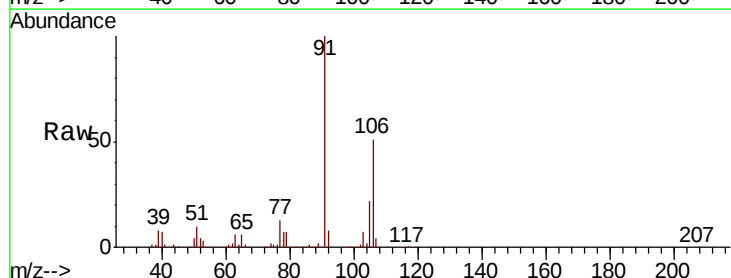
Acq: 22 Mar 2019 23:36

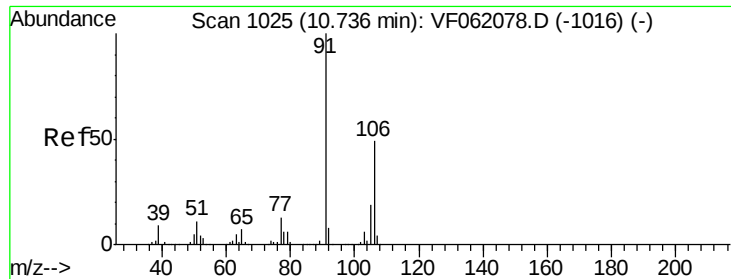
Tgt Ion: 106 Resp: 188385

Ion Ratio Lower Upper

106 100

91 195.7 154.4 231.6

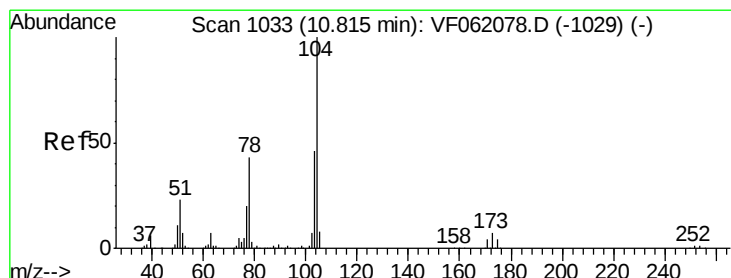
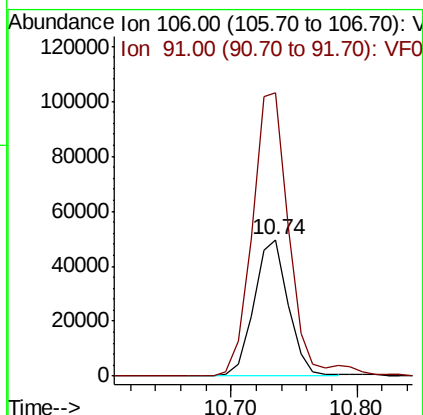
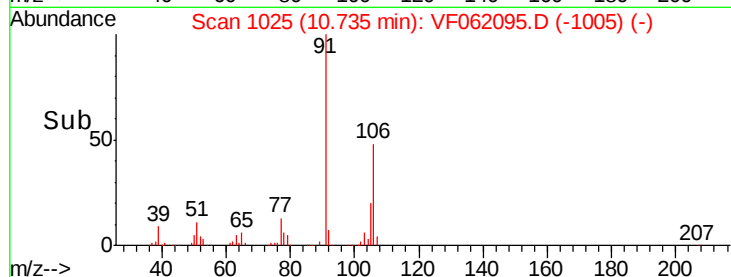
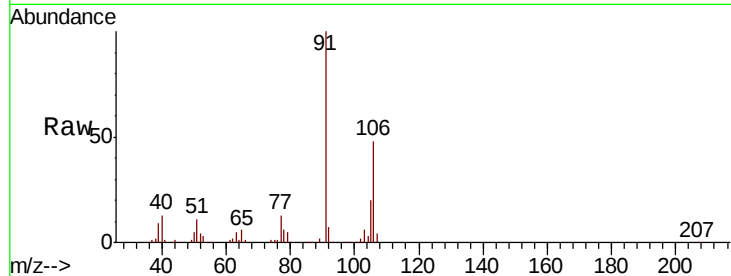




#69
o-Xylene
Concen: 20.794 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

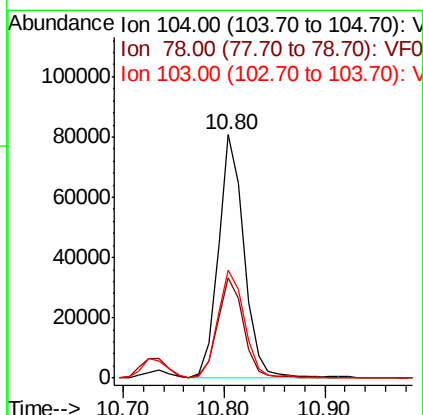
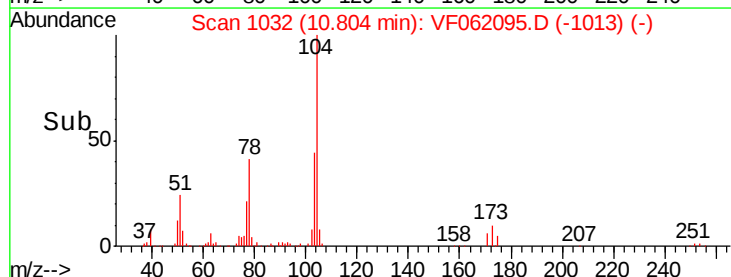
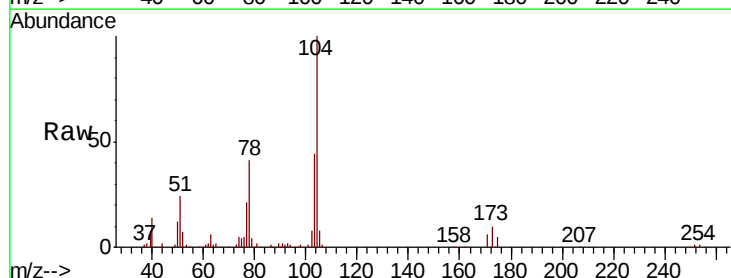
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

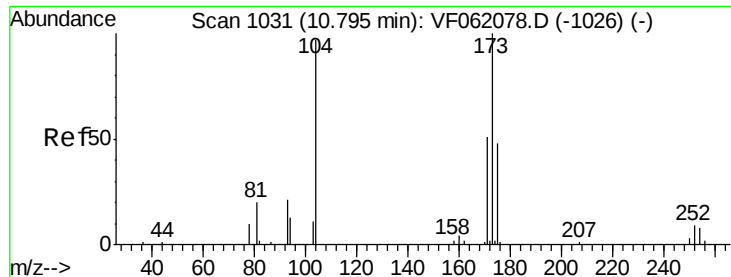
Tot Ion:106 Resp: 93621
Ion Ratio Lower Upper
106 100
91 207.7 102.6 307.8



#70
Styrene
Concen: 20.925 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion:104 Resp: 142741
Ion Ratio Lower Upper
104 100
78 41.0 34.3 51.5
103 44.2 36.9 55.3





#71

Bromoform

Concen: 19.539 ug/l

RT: 10.79 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

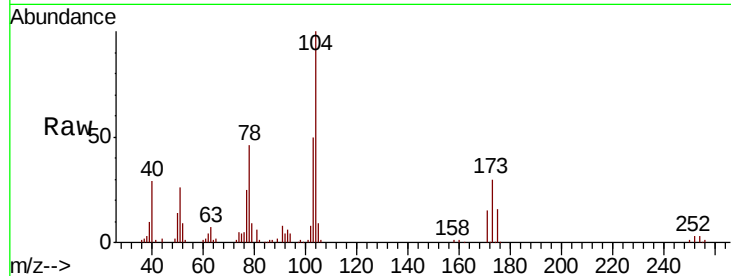
Tot Ion:173 Resp: 26549

Ion Ratio Lower Upper

173 100

175 52.7 24.1 72.4

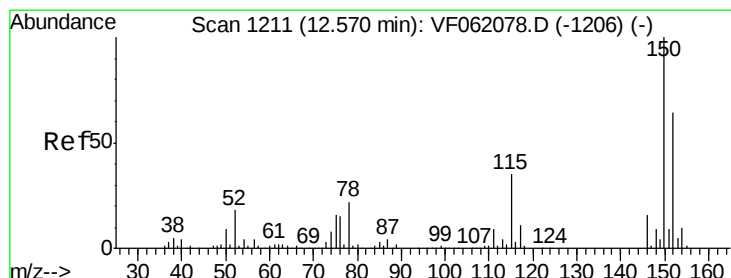
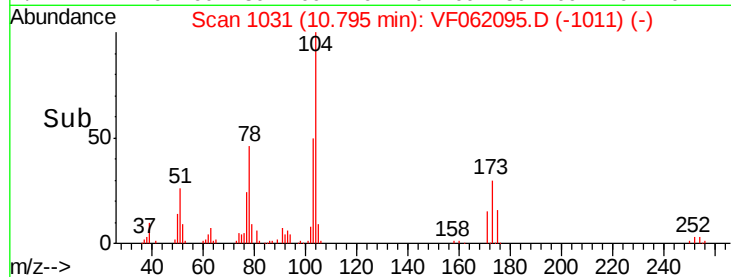
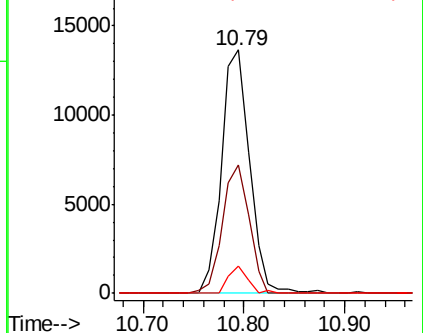
254 12.2 6.2 9.4#



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: VF062095.D

Acq: 22 Mar 2019 23:36

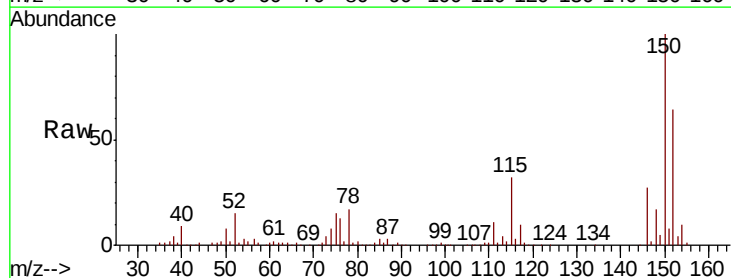
Tgt Ion:152 Resp: 179734

Ion Ratio Lower Upper

152 100

115 50.7 27.7 83.1

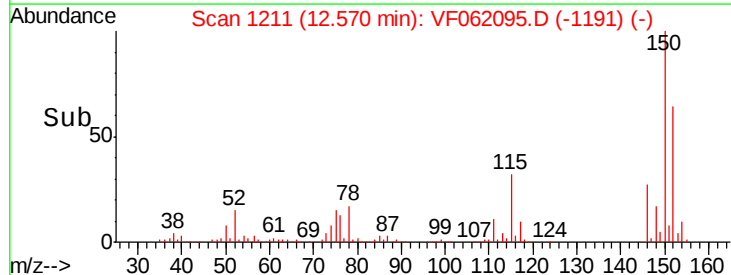
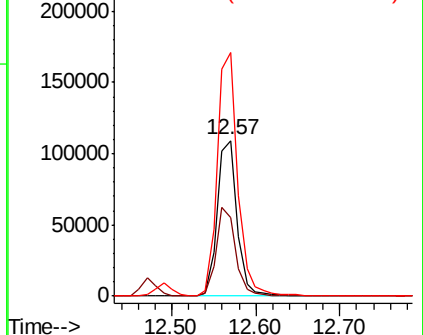
150 156.7 0.0 313.2

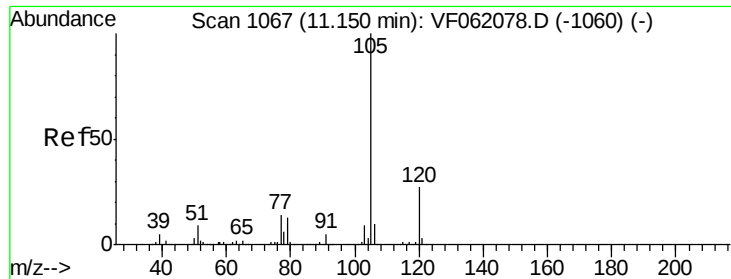


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.393 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

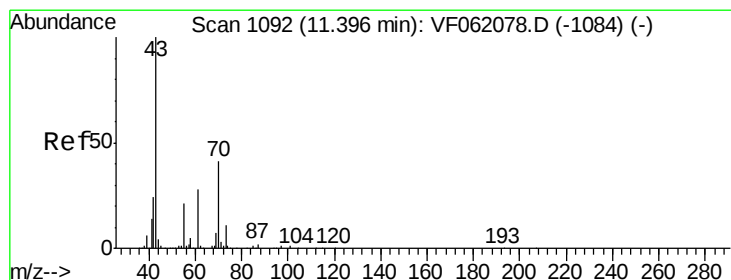
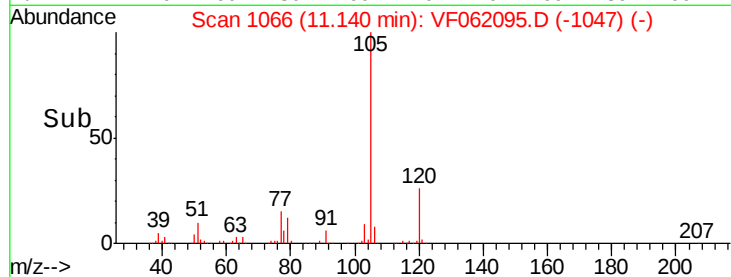
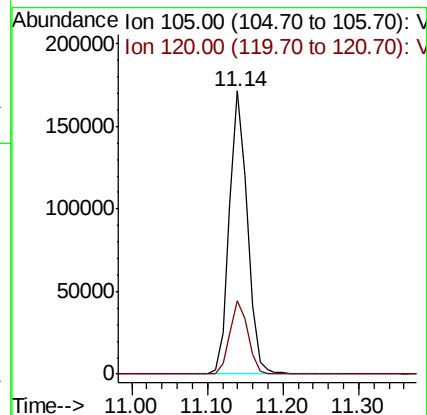
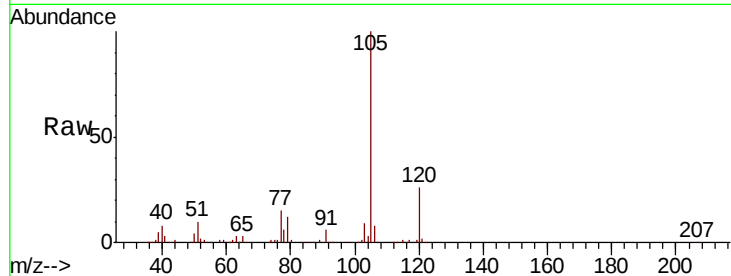
VF0322SBS02

Tot Ion:105 Resp: 283213

Ion Ratio Lower Upper

105 100

120 26.0 13.8 41.3



#74

N-ethyl acetate

Concen: 21.961 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Tgt Ion: 43 Resp: 66180

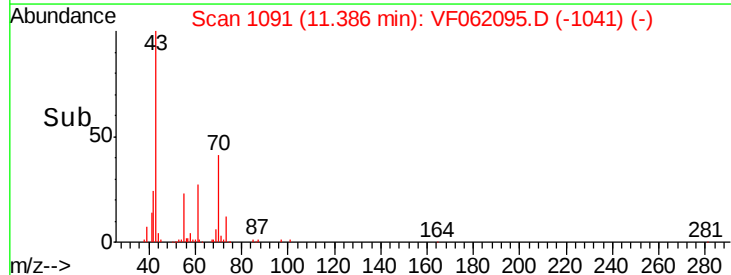
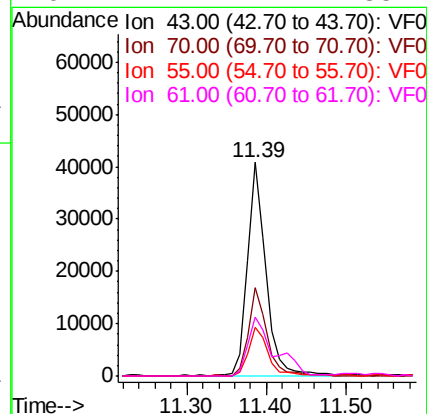
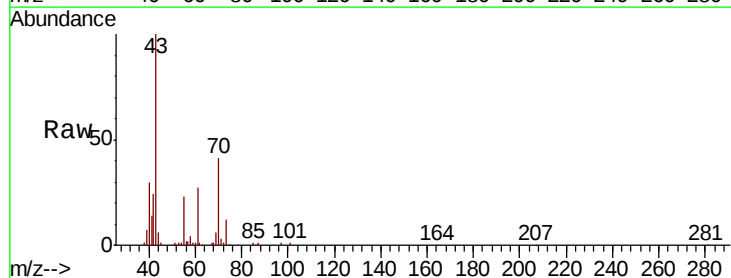
Ion Ratio Lower Upper

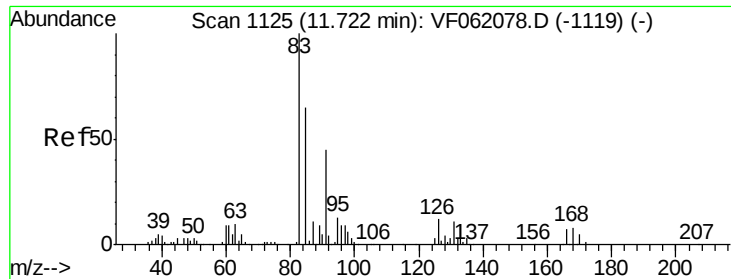
43 100

70 41.3 32.9 49.3

55 22.5 17.1 25.7

61 27.4 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.071 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

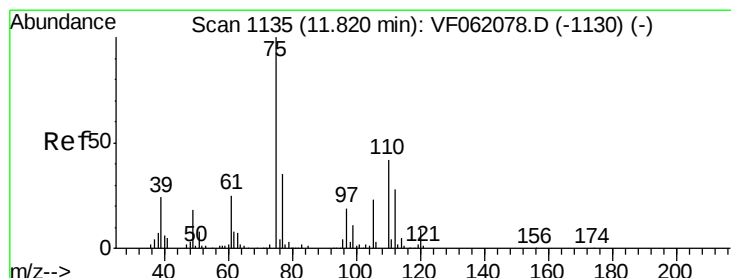
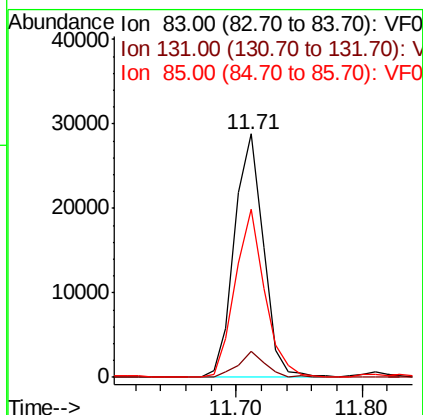
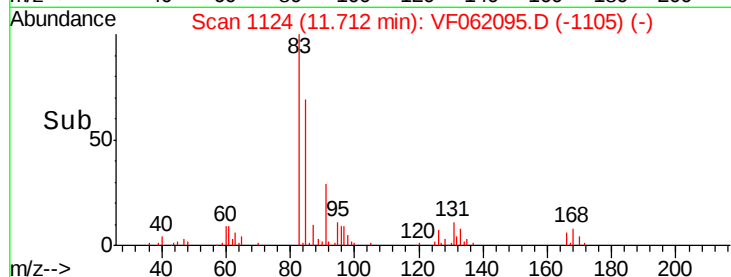
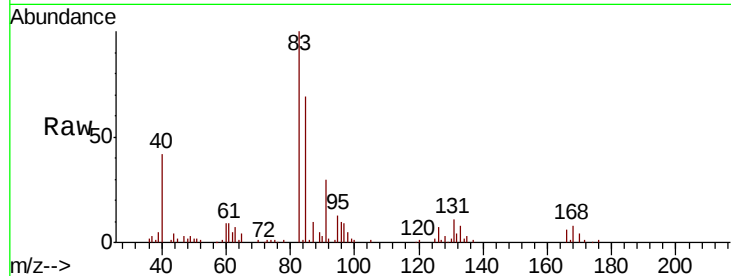
Tot Ion: 83 Resp: 45758

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

85 68.9 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 21.704 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062095.D

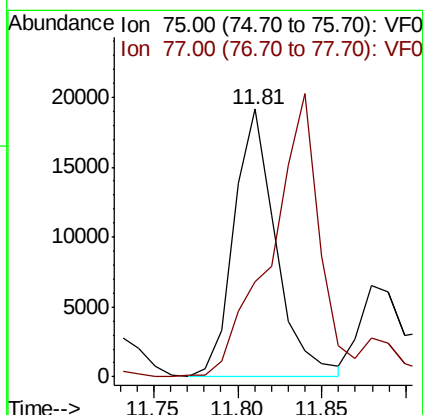
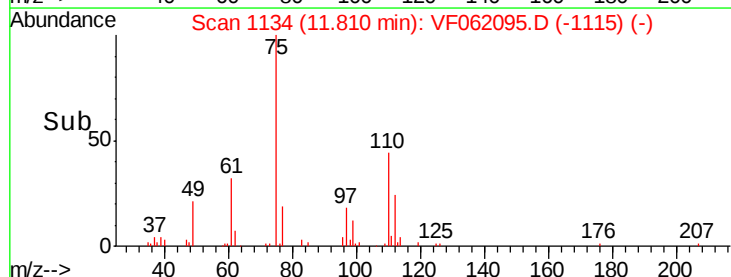
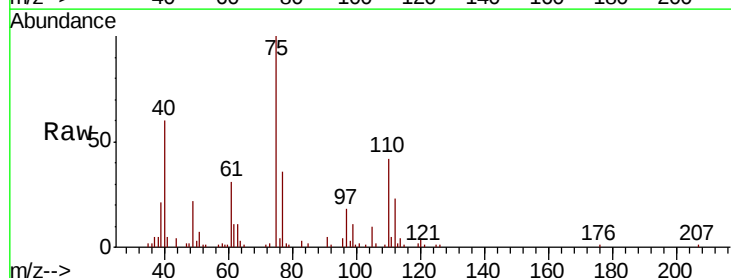
Acq: 22 Mar 2019 23:36

Tgt Ion: 75 Resp: 33169

Ion Ratio Lower Upper

75 100

77 35.5 17.8 53.3





#77

Bromobenzene

Concen: 21.264 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

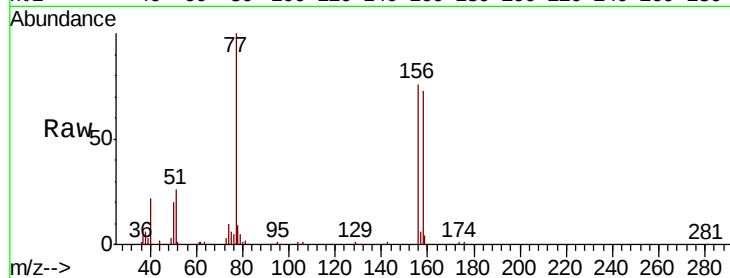
Tot Ion:156 Resp: 65705

Ion Ratio Lower Upper

156 100

77 131.6 61.3 183.9

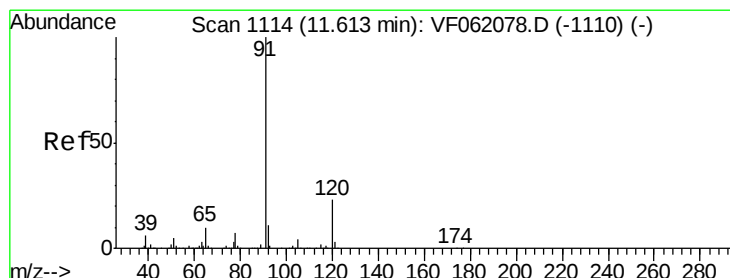
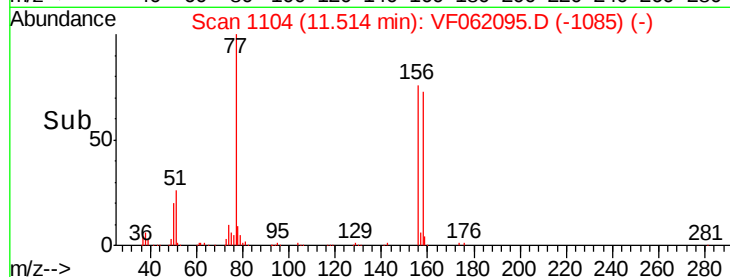
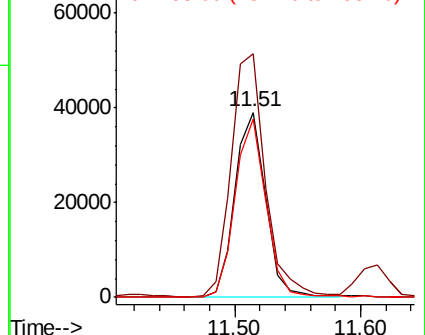
158 96.5 48.6 145.9



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: 21.237 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF062095.D

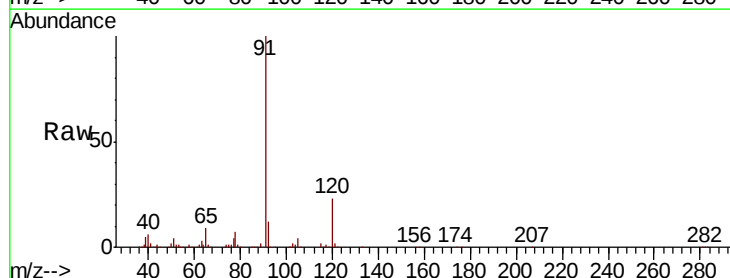
Acq: 22 Mar 2019 23:36

Tgt Ion: 91 Resp: 311875

Ion Ratio Lower Upper

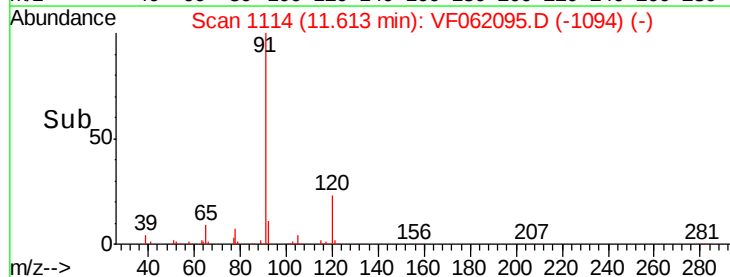
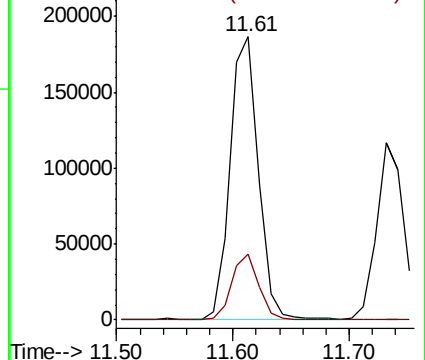
91 100

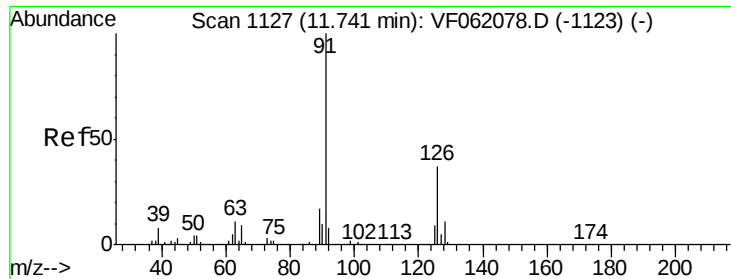
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.703 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

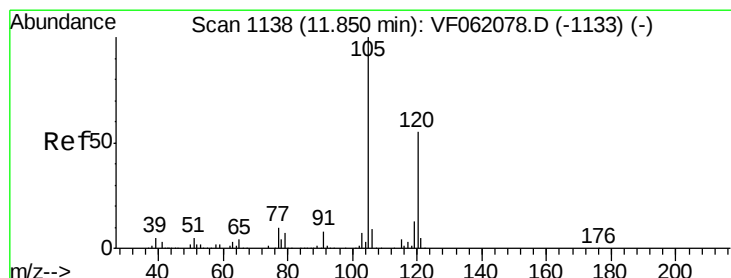
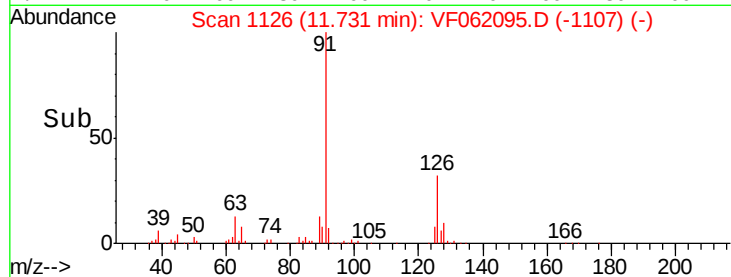
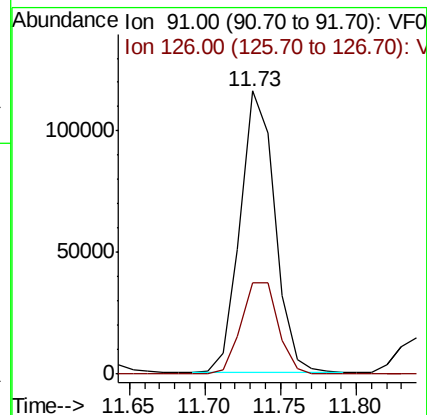
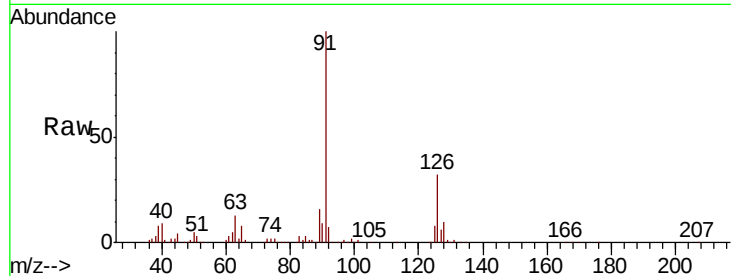
VF0322SBS02

Tot Ion: 91 Resp: 185319

Ion Ratio Lower Upper

91 100

126 32.4 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 23.006 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF062095.D

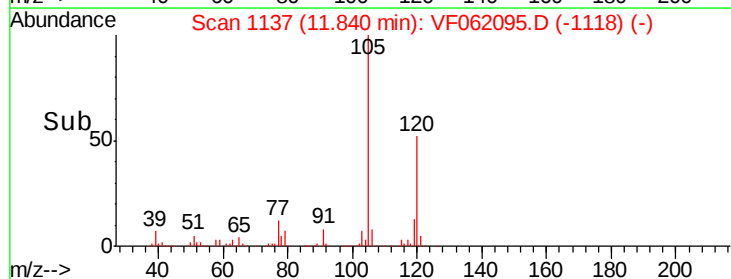
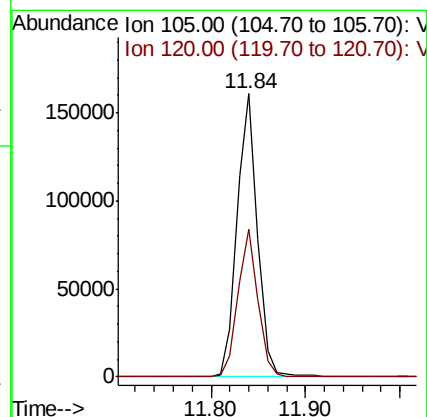
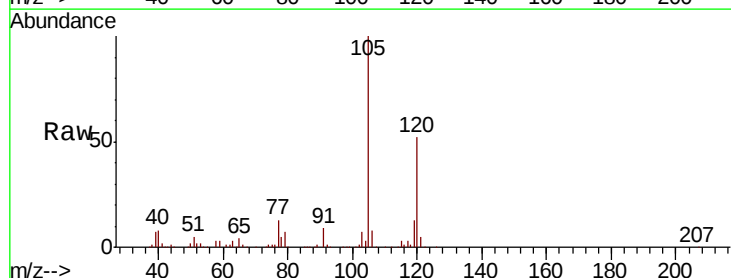
Acq: 22 Mar 2019 23:36

Tgt Ion:105 Resp: 239329

Ion Ratio Lower Upper

105 100

120 52.4 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 24.926 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

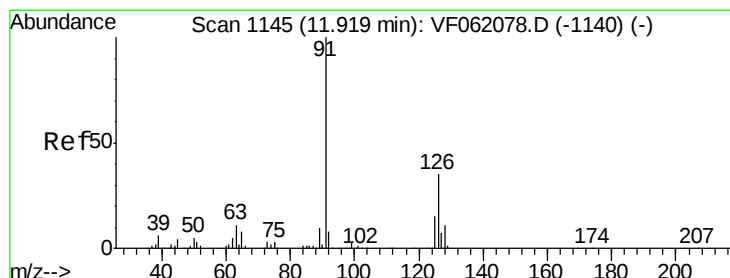
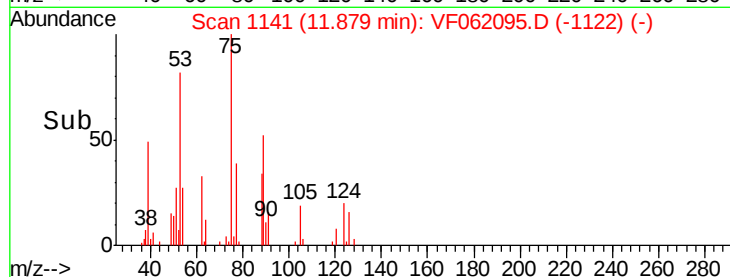
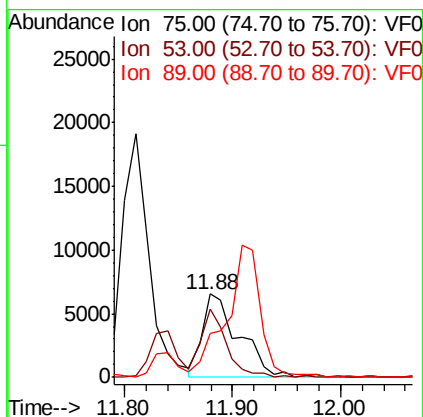
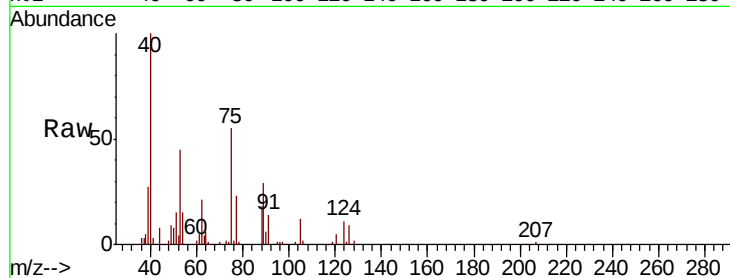
Tot Ion: 75 Resp: 15522

Ion Ratio Lower Upper

75 100

53 82.4 49.4 74.0#

89 52.4 40.6 60.8



#82

4-Chlorotoluene

Concen: 21.084 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF062095.D

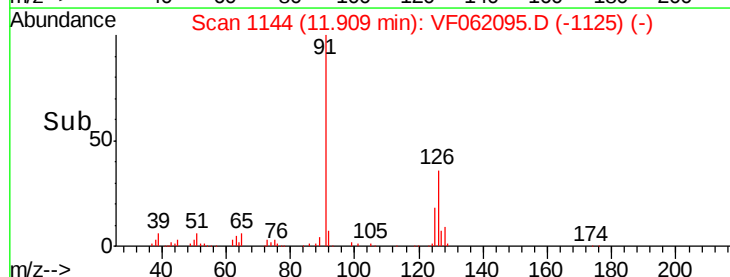
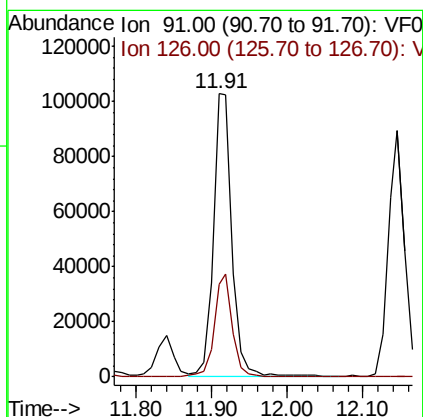
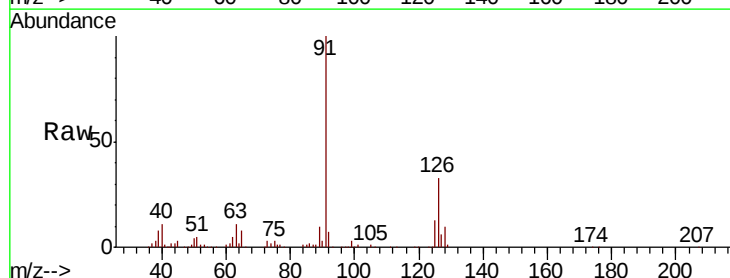
Acq: 22 Mar 2019 23:36

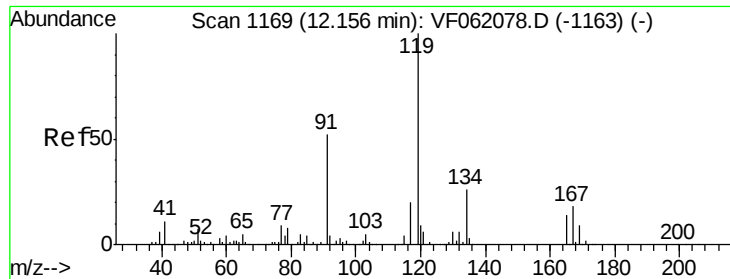
Tgt Ion: 91 Resp: 176457

Ion Ratio Lower Upper

91 100

126 32.8 17.2 51.6

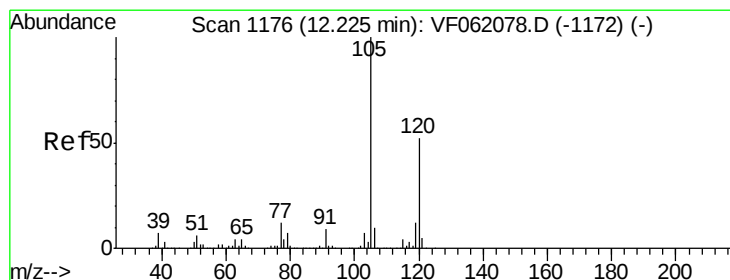
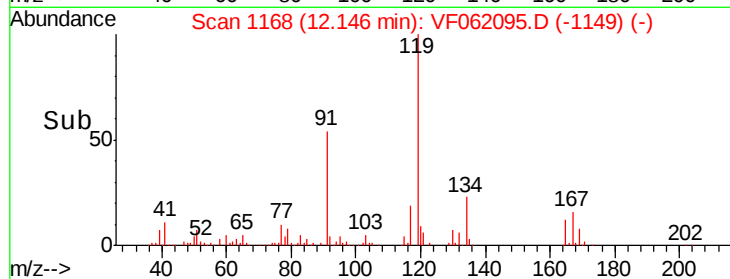
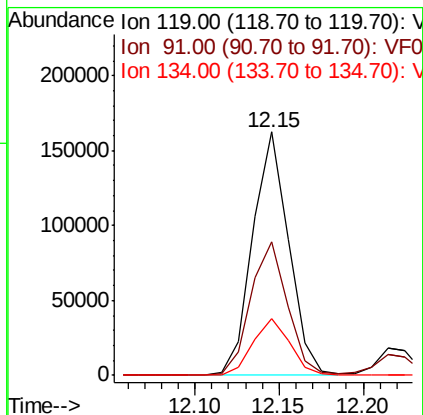
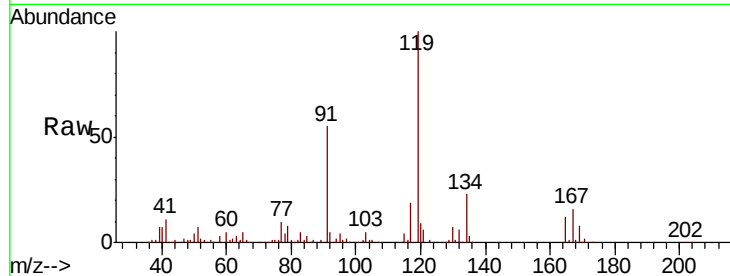




#83
tert-Butylbenzene
Concen: 22.306 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

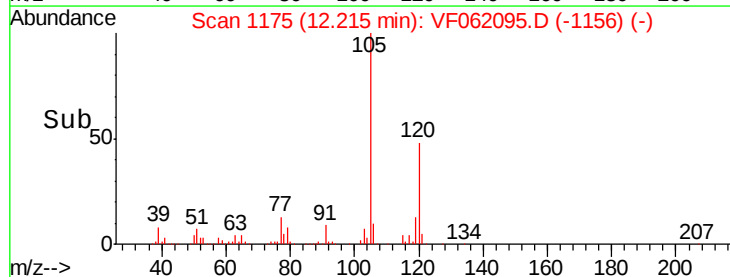
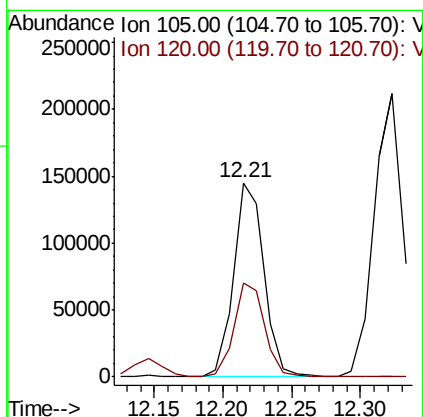
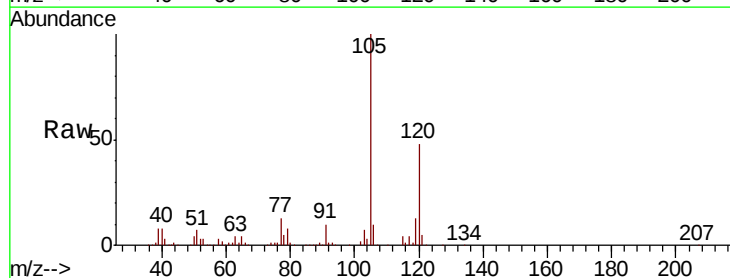
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

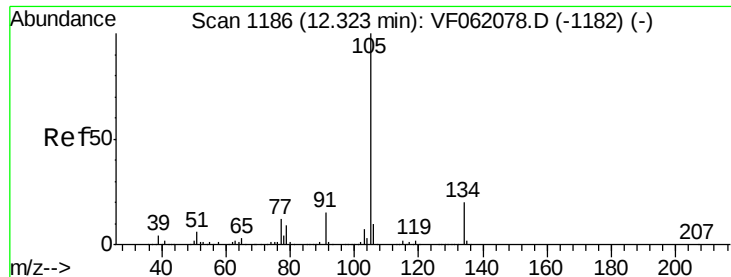
Tot Ion:119 Resp: 242908
Ion Ratio Lower Upper
119 100
91 55.0 26.1 78.2
134 23.5 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 21.887 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion:105 Resp: 223210
Ion Ratio Lower Upper
105 100
120 48.2 26.1 78.2

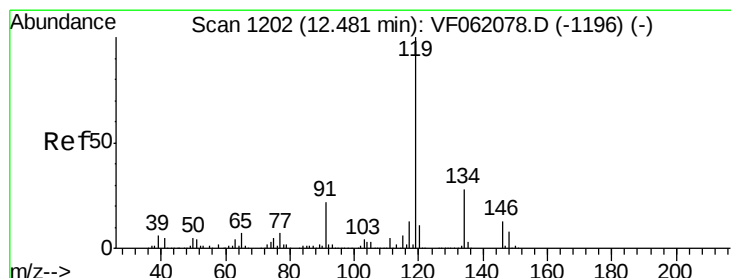
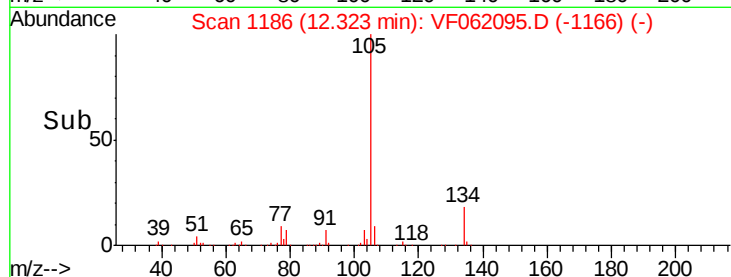
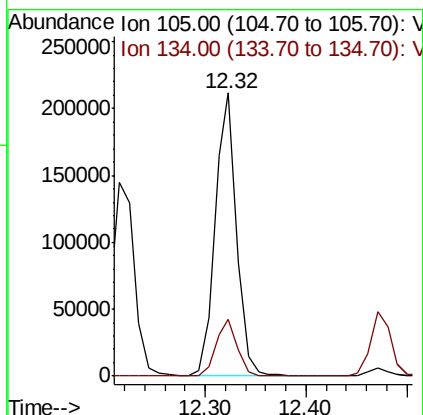
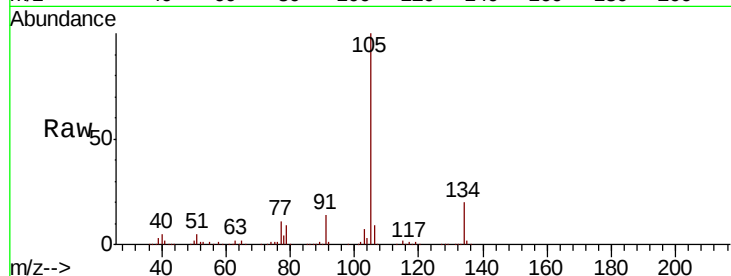




#85
 sec-Butylbenzene
 Concen: 22.105 ug/l
 RT: 12.32 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

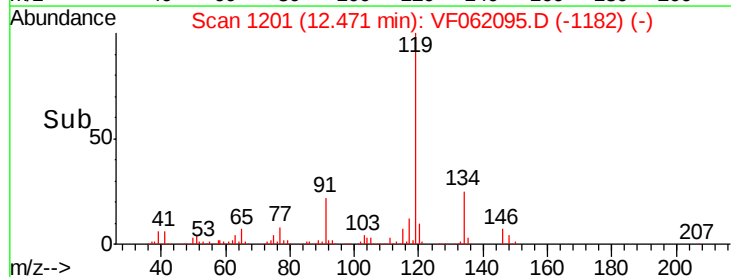
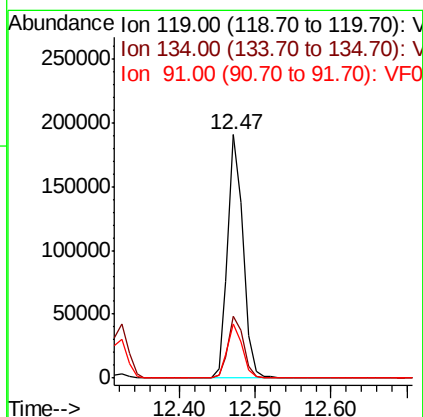
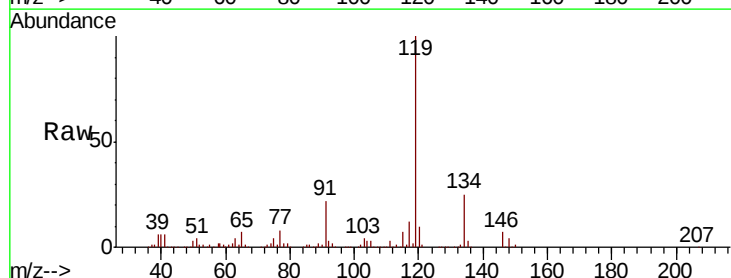
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

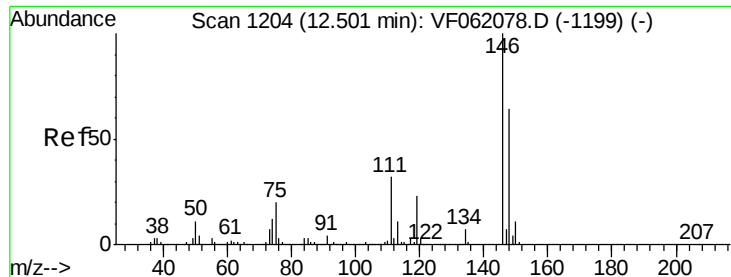
Tot Ion:105 Resp: 311408
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 22.166 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion:119 Resp: 270539
 Ion Ratio Lower Upper
 119 100
 134 25.2 14.0 42.0
 91 22.0 10.8 32.4

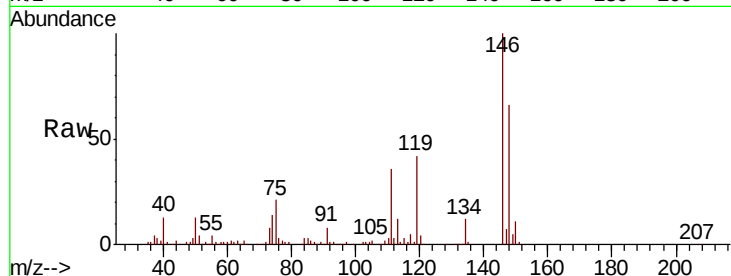




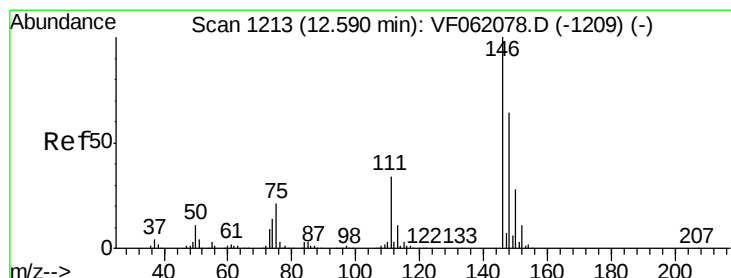
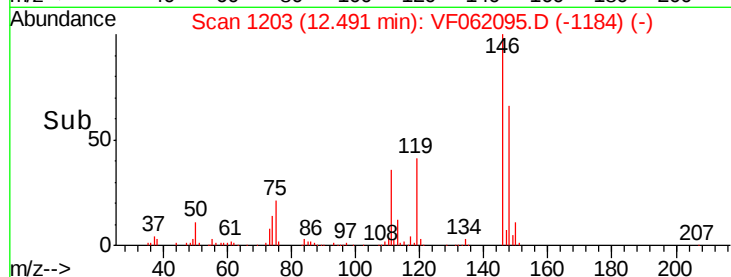
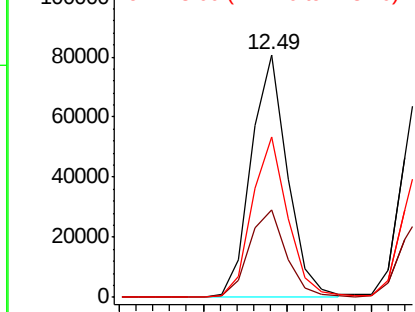
#87
 1,3-Dichlorobenzene
 Concen: 20.980 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

Tot Ion:146 Resp: 120437
 Ion Ratio Lower Upper
 146 100
 111 36.0 16.1 48.3
 148 66.3 31.9 95.7

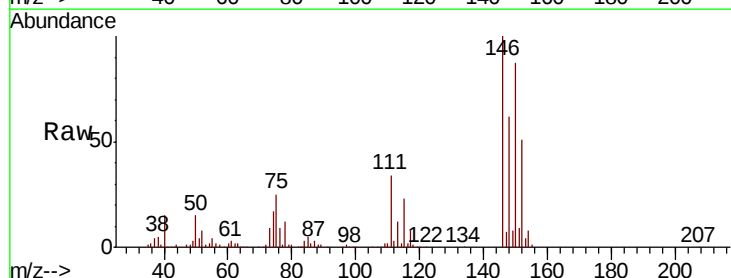


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

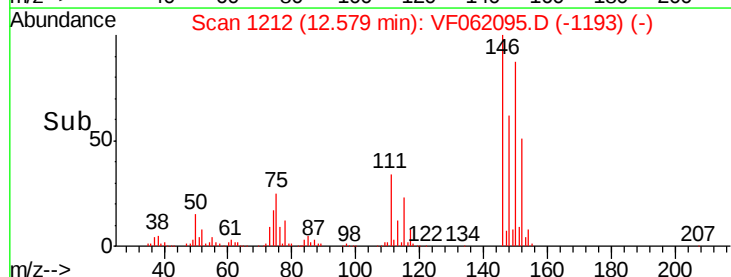
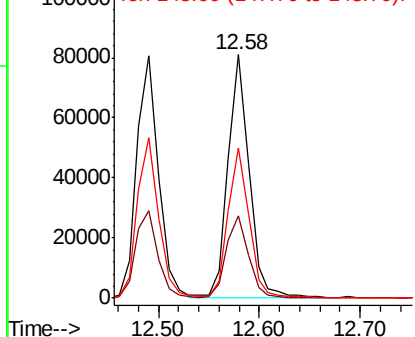


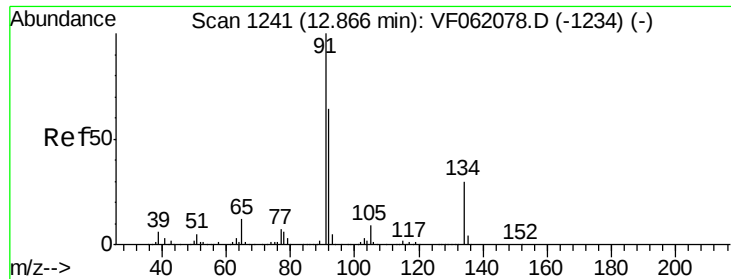
#88
 1,4-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion:146 Resp: 118578
 Ion Ratio Lower Upper
 146 100
 111 33.8 16.9 50.6
 148 61.7 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.190 ug/l

RT: 12.86 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VF062095.D

Acq: 22 Mar 2019 23:36

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS02

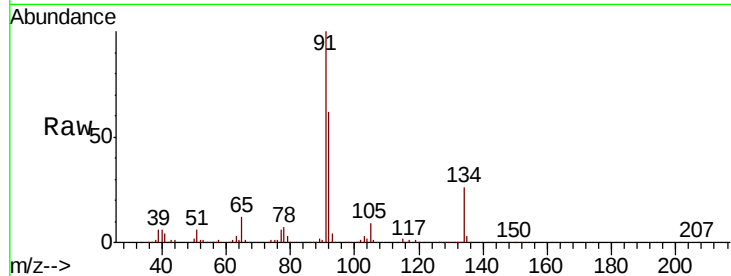
Tot Ion: 91 Resp: 258394

Ion Ratio Lower Upper

91 100

92 62.0 31.9 95.5

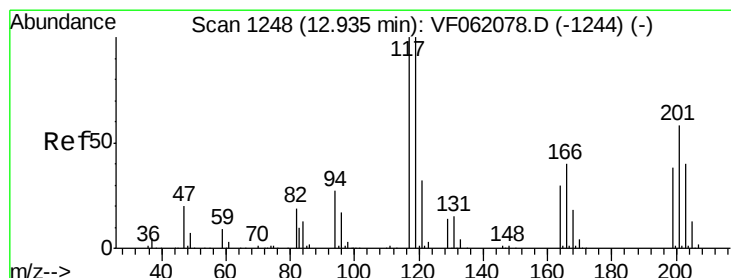
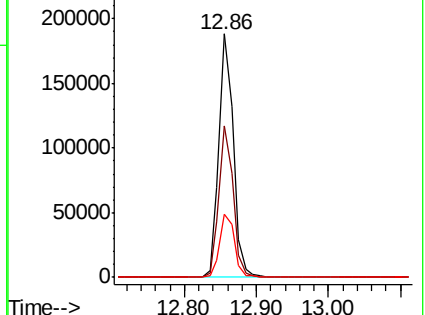
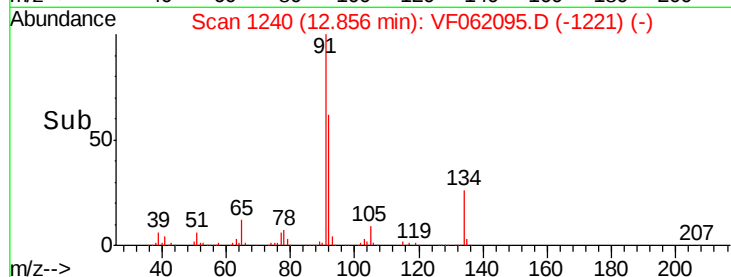
134 25.9 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.756 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF062095.D

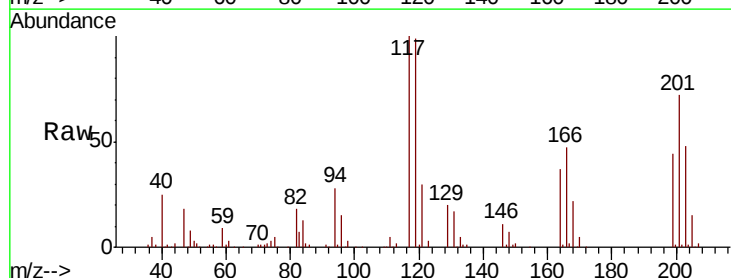
Acq: 22 Mar 2019 23:36

Tgt Ion: 117 Resp: 63229

Ion Ratio Lower Upper

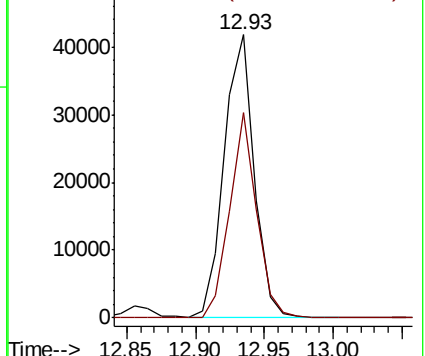
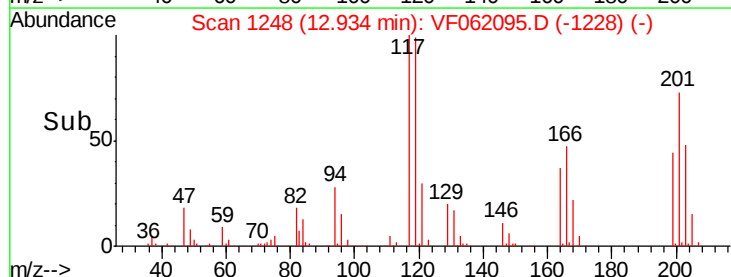
117 100

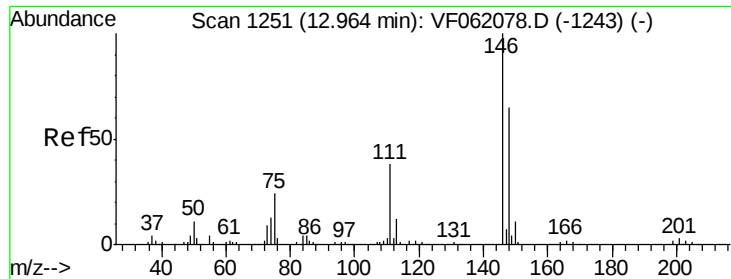
201 72.4 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

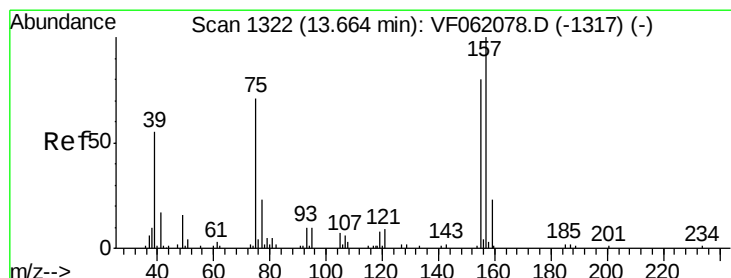
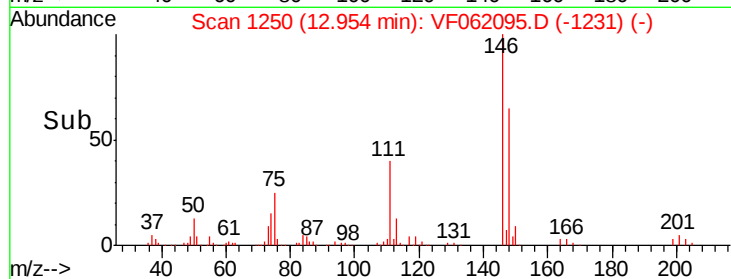
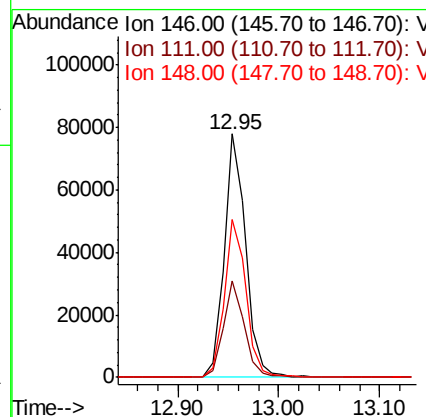
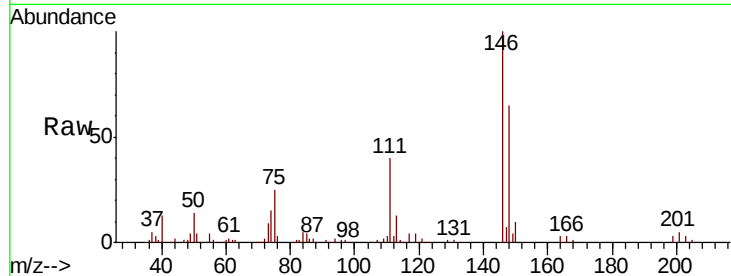




#91
 1,2-Dichlorobenzene
 Concen: 21.536 ug/l
 RT: 12.95 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

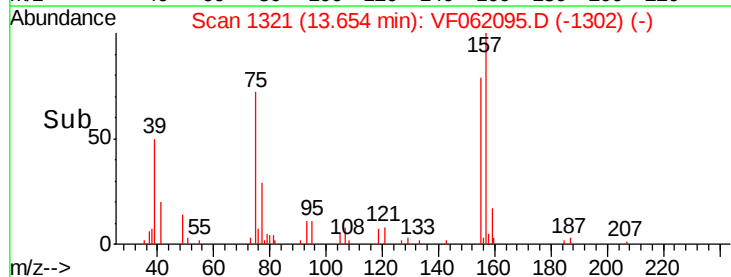
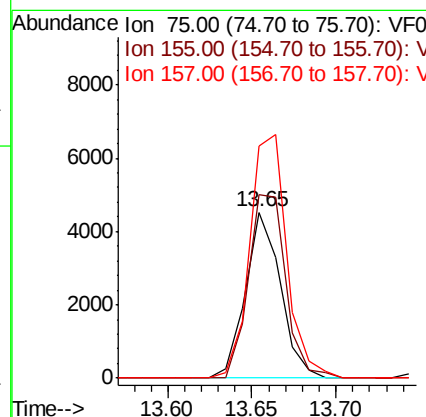
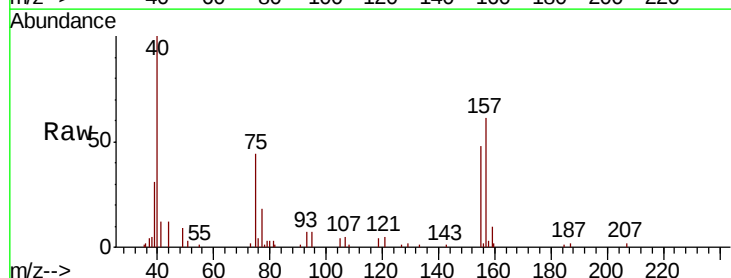
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

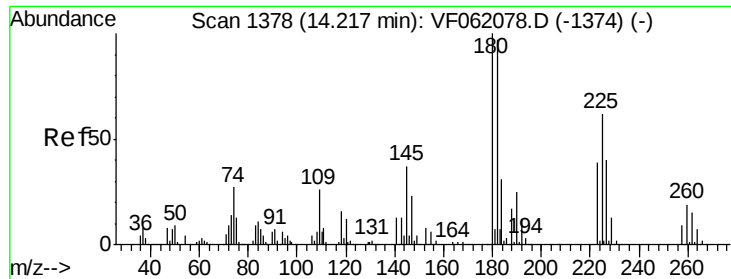
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	64.7	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.907 ug/l
 RT: 13.65 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.3	56.1	168.4
157	139.8	70.4	211.2

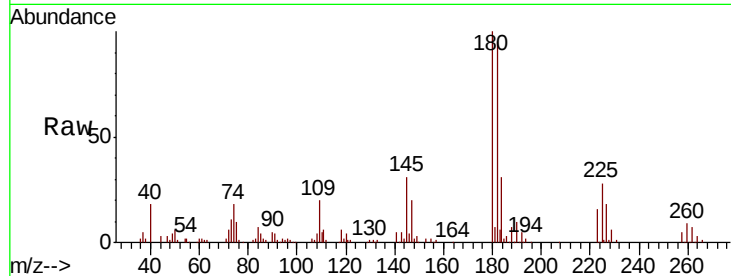




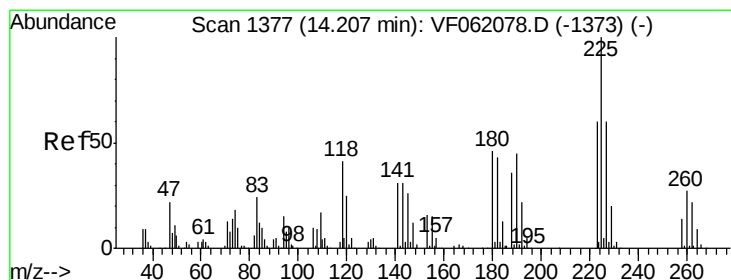
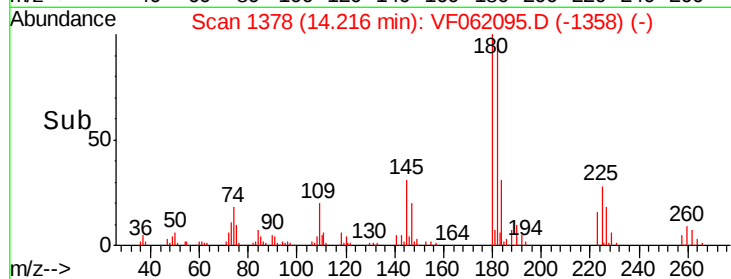
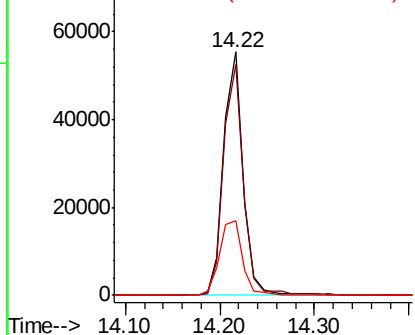
#93
 1,2,4-Trichlorobenzene
 Concen: 21.161 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS02

Tot Ion:180 Resp: 79498
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.7 146.1
 145 30.6 18.3 54.8

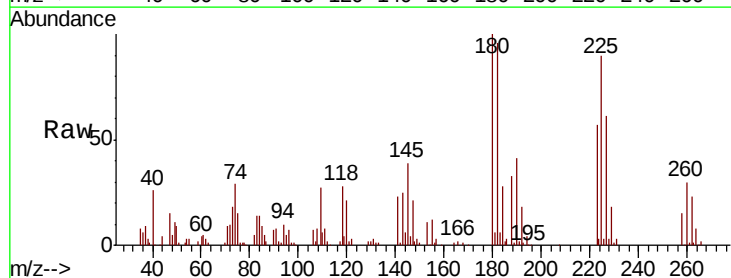


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

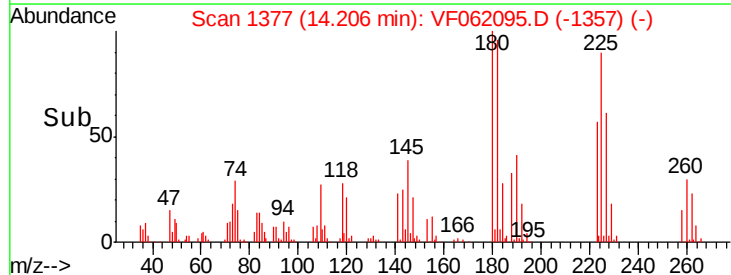
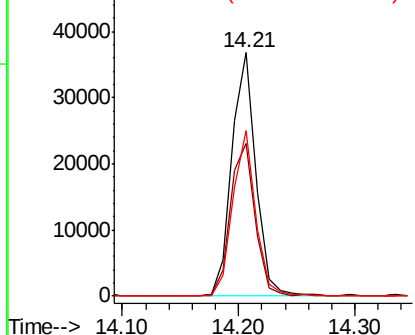


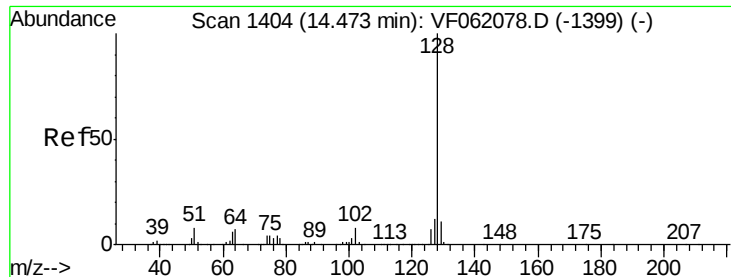
#94
 Hexachlorobutadiene
 Concen: 21.090 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062095.D
 Acq: 22 Mar 2019 23:36

Tgt Ion:225 Resp: 52683
 Ion Ratio Lower Upper
 225 100
 223 60.5 30.0 90.0
 227 65.3 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

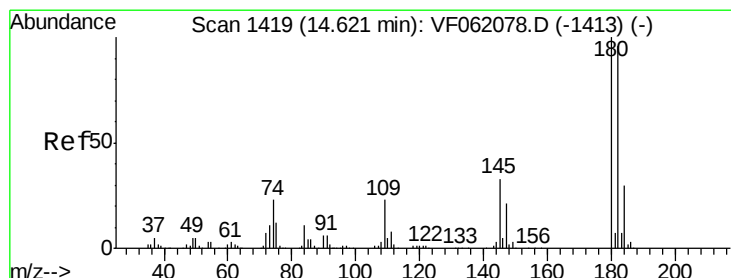
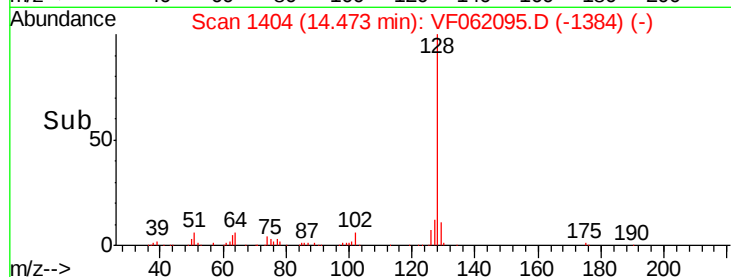
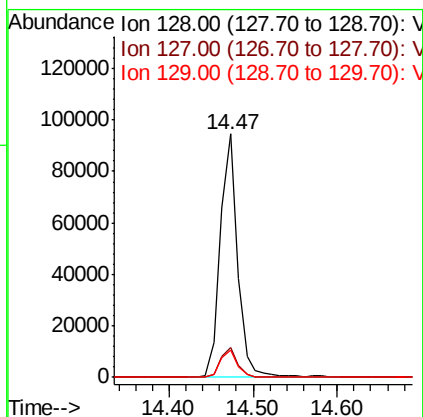
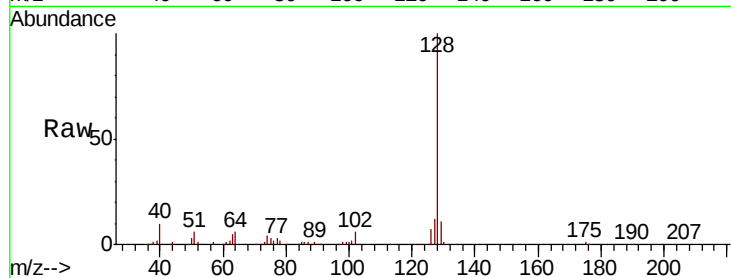




#95
Naphthalene
Concen: 20.724 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS02

Tot Ion:128 Resp: 136441
Ion Ratio Lower Upper
128 100
127 12.2 9.5 14.3
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.979 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF062095.D
Acq: 22 Mar 2019 23:36

Tgt Ion:180 Resp: 73776
Ion Ratio Lower Upper
180 100
182 100.6 47.9 143.7
145 30.5 16.6 49.7

