

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062084.D
 Acq On : 22 Mar 2019 15:56
 Operator : VA/AP
 Sample : VF0322SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

Quant Time: Mar 23 04:14:08 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	4.91	168	271220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	429332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	351709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	189068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	106314	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	4.15	113	150438	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.58	98	448767	51.77	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.44	95	173958	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	74985	21.581	ug/l	96
3) Chloromethane	1.10	50	76613	21.073	ug/l	97
4) Vinyl Chloride	1.14	62	72031	21.420	ug/l	99
5) Bromomethane	1.32	94	46427	19.206	ug/l	91
6) Chloroethane	1.40	64	36073	21.309	ug/l	98
7) Trichlorofluoromethane	1.49	101	86531	21.306	ug/l	98
8) Diethyl Ether	1.64	74	18071	19.479	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	56170	20.272	ug/l	91
10) Methyl Iodide	1.93	142	86490	16.426	ug/l	92
11) Tert butyl alcohol	2.60	59	11780	106.127	ug/l	95
12) 1,1-Dichloroethene	1.81	96	53003	20.274	ug/l	93
13) Acrolein	2.02	56	16221	121.527	ug/l	93
14) Allyl chloride	2.12	41	65182	23.353	ug/l	92
15) Acrylonitrile	2.98	53	39682	101.664	ug/l	89
16) Acetone	2.26	43	42831	100.877	ug/l	94
17) Carbon Disulfide	1.82	76	164296	20.609	ug/l	100
18) Methyl Acetate	2.37	43	21954	21.676	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	85608	20.719	ug/l	# 90
20) Methylene Chloride	2.20	84	21944	5.754	ug/l	94
21) trans-1,2-Dichloroethene	2.33	96	57265	22.765	ug/l	98
22) Diisopropyl ether	2.82	45	156786	21.424	ug/l	95
23) Vinyl Acetate	3.22	43	331037	110.483	ug/l	99
24) 1,1-Dichloroethane	2.90	63	91884	20.937	ug/l	98
25) 2-Butanone	4.37	43	89755	101.261	ug/l	99
26) 2,2-Dichloropropane	3.63	77	38610	21.699	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	64252	19.276	ug/l	99
28) Bromochloromethane	3.75	49	41027	22.881	ug/l	91
29) Tetrahydrofuran	4.12	42	41878	108.666	ug/l	95
30) Chloroform	3.90	83	100573	21.685	ug/l	99
31) Cyclohexane	3.72	56	56448	12.316	ug/l	99
32) 1,1,1-Trichloroethane	4.13	97	59452	21.073	ug/l	94
36) 1,1-Dichloropropene	4.32	75	82872	20.265	ug/l	99
37) Ethyl Acetate	4.15	43	34611	19.366	ug/l	# 98
38) Carbon Tetrachloride	4.02	117	57321	20.566	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	98584	20.771	ug/l	94
40) Benzene	4.67	78	220627	20.125	ug/l	100
41) Methacrylonitrile	4.77	41	18315	19.368	ug/l #	87
42) 1,2-Dichloroethane	4.98	62	52023	20.067	ug/l	100
43) Isopropyl Acetate	6.99	43	42525	19.648	ug/l #	96
44) Trichloroethene	5.54	130	68964	20.576	ug/l	96
45) 1,2-Dichloropropane	6.27	63	52279	19.994	ug/l	98
46) Dibromomethane	6.12	93	29382	18.378	ug/l	91
47) Bromodichloromethane	6.42	83	68922	19.463	ug/l #	91
48) Methyl methacrylate	6.75	41	23980	19.459	ug/l	95
49) 1,4-Dioxane	6.75	88	4655	430.489	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	149793	103.403	ug/l	95
52) Toluene	7.66	92	128474	20.233	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	57020	20.511	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	78163	19.651	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	32717	18.140	ug/l	96
56) Ethyl methacrylate	8.65	69	42536	19.775	ug/l	92
57) 1,3-Dichloropropane	8.88	76	57519	19.215	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	30308	92.855	ug/l	98
59) 2-Hexanone	9.52	43	108214	101.924	ug/l	94
60) Dibromochloromethane	8.74	129	48234	19.237	ug/l	98
61) 1,2-Dibromoethane	9.02	107	37419	19.446	ug/l	99
64) Tetrachloroethene	8.18	164	53430	19.663	ug/l	97
65) Chlorobenzene	9.83	112	133502	20.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.96	131	54599	20.655	ug/l	92
67) Ethyl Benzene	9.93	91	239359	20.915	ug/l	99
68) m/p-Xylenes	10.16	106	175340	40.992	ug/l	95
69) o-Xylene	10.74	106	95086	21.224	ug/l	95
70) Styrene	10.81	104	141394	20.830	ug/l	96
71) Bromoform	10.79	173	25319	18.726	ug/l	95
73) Isopropylbenzene	11.15	105	266660	20.044	ug/l	97
74) N-amyl acetate	11.40	43	65880	20.782	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	44633	19.539	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	28645	17.818	ug/l	96
77) Bromobenzene	11.51	156	61513	18.925	ug/l	85
78) n-propylbenzene	11.61	91	321497	20.811	ug/l	99
79) 2-Chlorotoluene	11.74	91	176440	20.548	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	229287	20.953	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.89	75	16145	24.646	ug/l	96
82) 4-Chlorotoluene	11.92	91	176169	20.010	ug/l	100
83) tert-Butylbenzene	12.15	119	239397	20.898	ug/l	94
84) 1,2,4-Trimethylbenzene	12.22	105	219686	20.478	ug/l	99
85) sec-Butylbenzene	12.32	105	310027	20.920	ug/l	99
86) p-Isopropyltoluene	12.48	119	268616	20.922	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	124238	20.573	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	121654	20.645	ug/l	98
89) n-Butylbenzene	12.87	91	255627	20.869	ug/l	95
90) Hexachloroethane	12.93	117	61708	20.185	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	120721	21.290	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	6603	19.077	ug/l	87

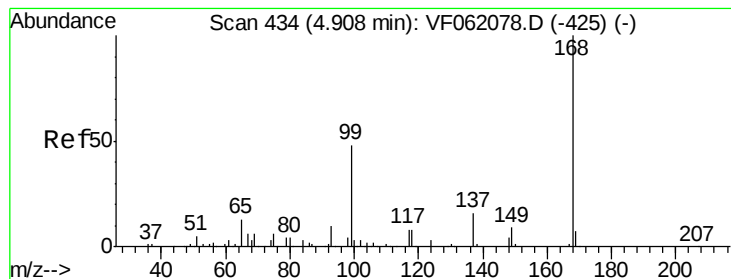
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82831	20.959	µg/l	99
94) Hexachlorobutadiene	14.21	225	52627	20.028	µg/l	95
95) Naphthalene	14.47	128	138953	20.064	µg/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	72707	19.654	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

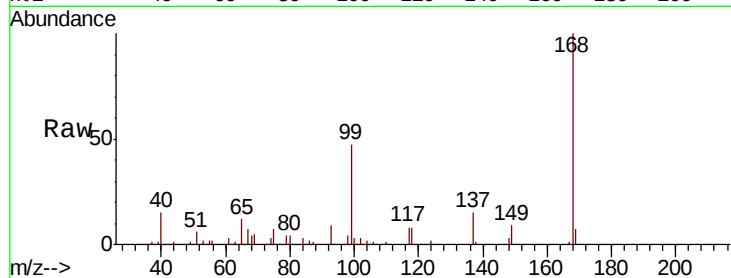
VF0322SBSD01

Tot Ion:168 Resp: 271220

Ion Ratio Lower Upper

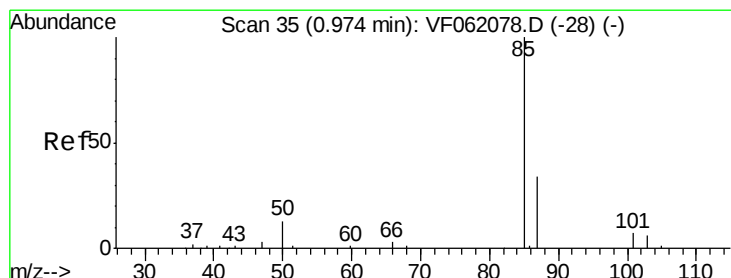
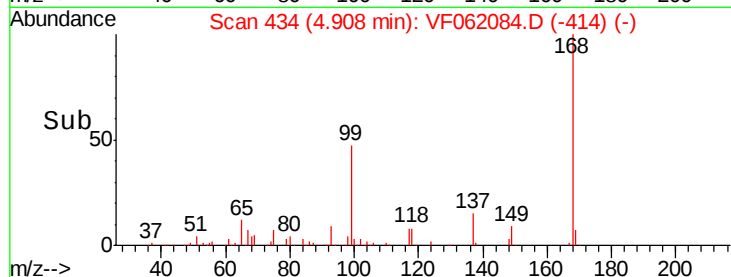
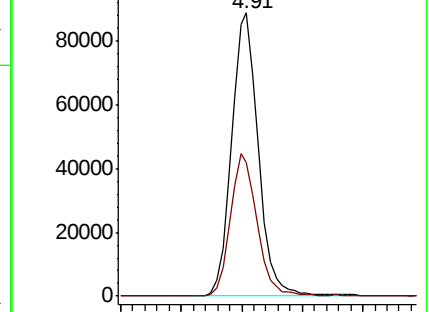
168 100

99 47.2 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.581 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062084.D

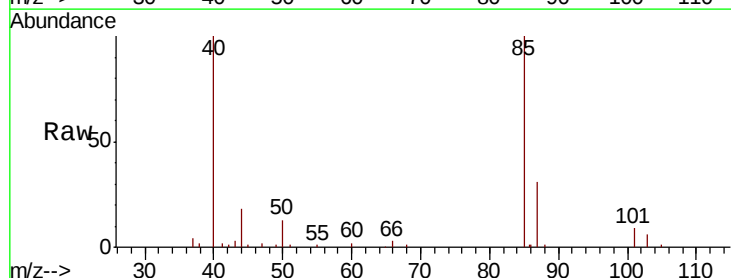
Acq: 22 Mar 2019 15:56

Tgt Ion: 85 Resp: 74985

Ion Ratio Lower Upper

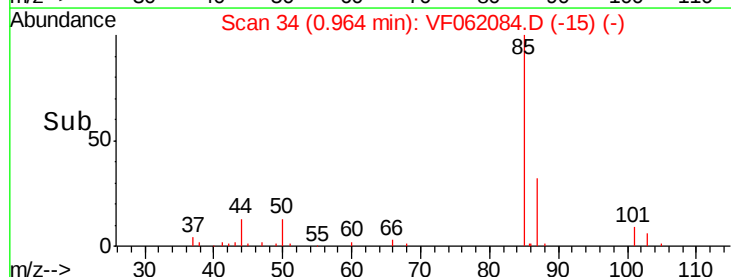
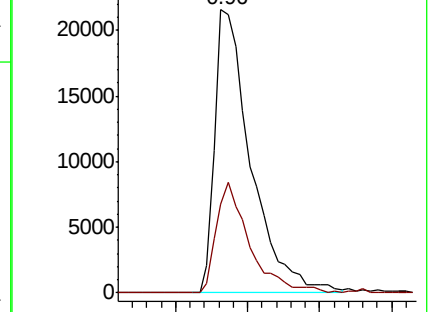
85 100

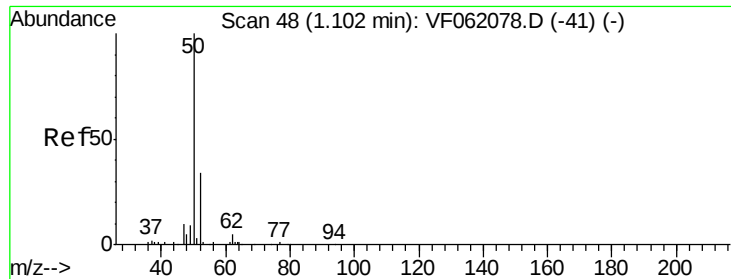
87 31.5 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.073 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

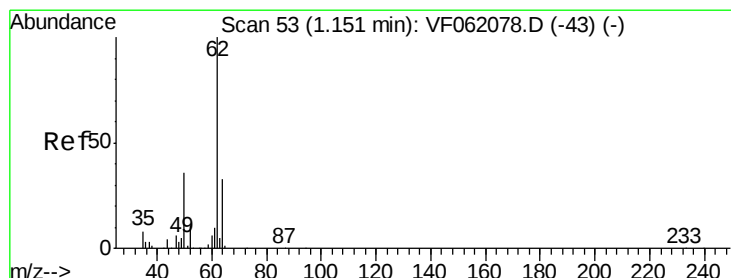
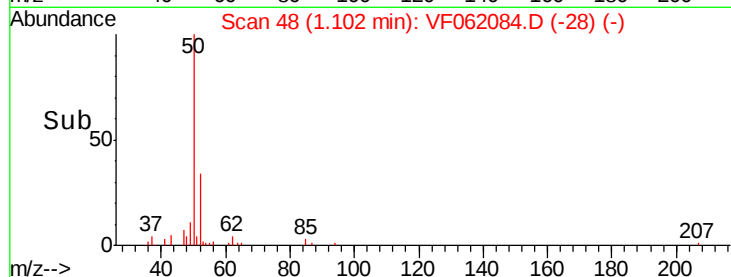
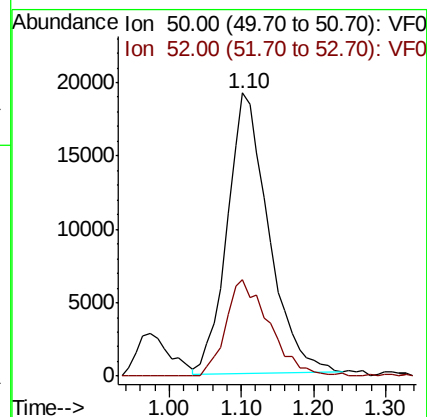
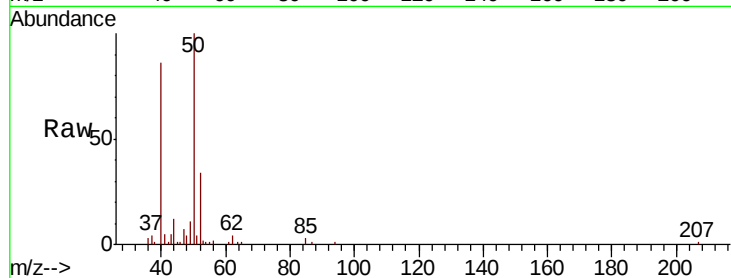
VF0322SBSD01

Tot Ion: 50 Resp: 76613

Ion Ratio Lower Upper

50 100

52 34.2 26.1 39.1



#4

Vinyl Chloride

Concen: 21.420 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062084.D

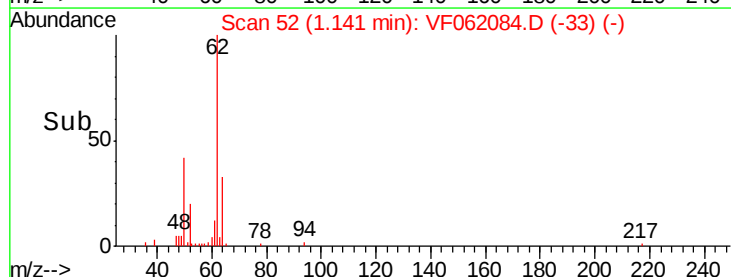
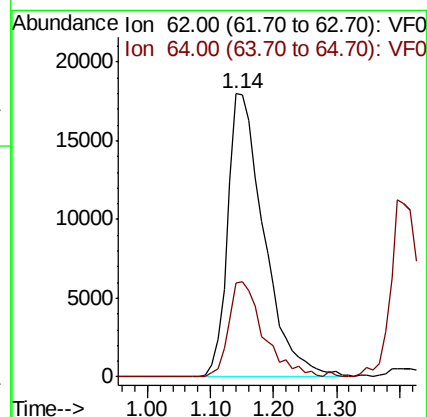
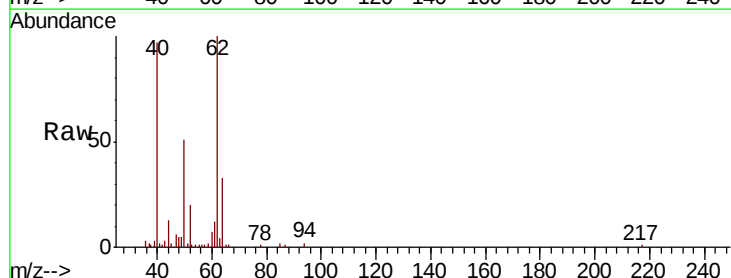
Acq: 22 Mar 2019 15:56

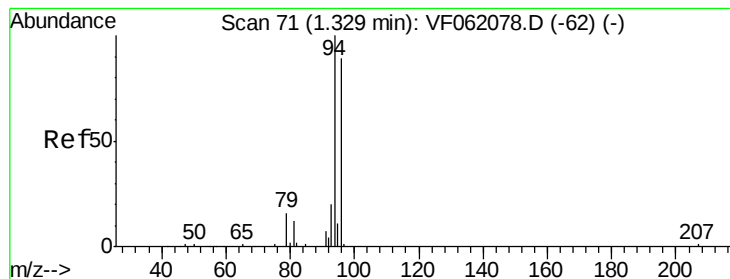
Tgt Ion: 62 Resp: 72031

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.2





#5

Bromomethane

Concen: 19.206 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

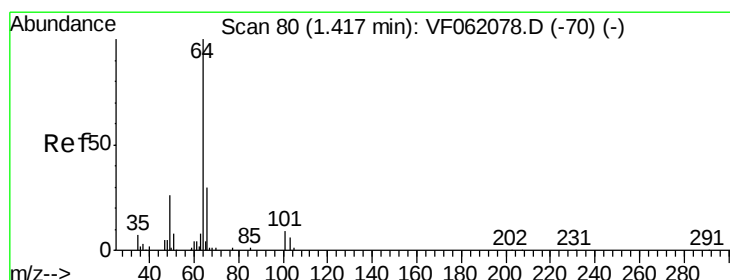
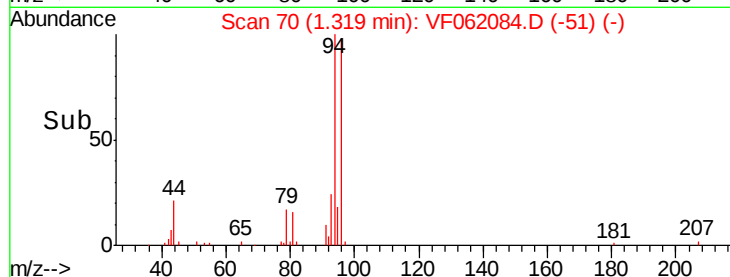
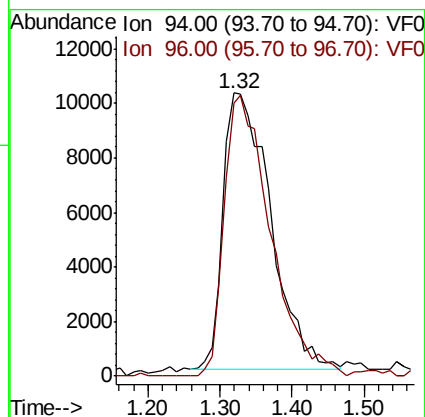
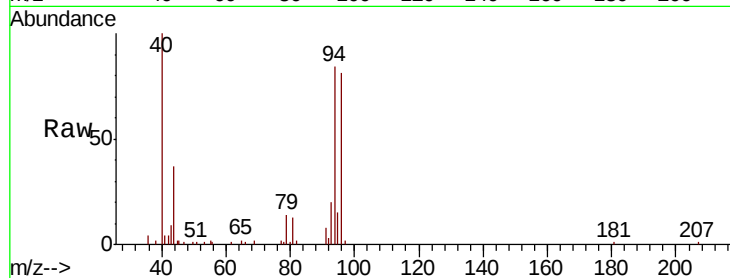
VF0322SBSD01

Tot Ion: 94 Resp: 46427

Ion Ratio Lower Upper

94 100

96 96.6 70.9 106.3



#6

Chloroethane

Concen: 21.309 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.02 min

Lab File: VF062084.D

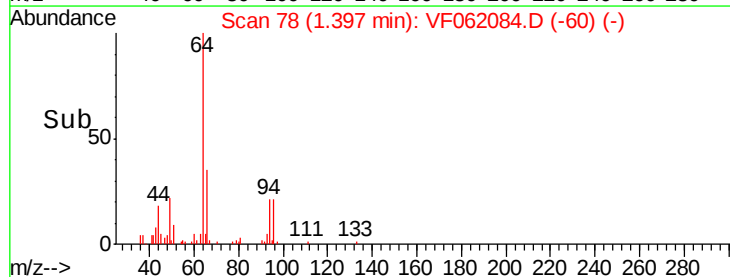
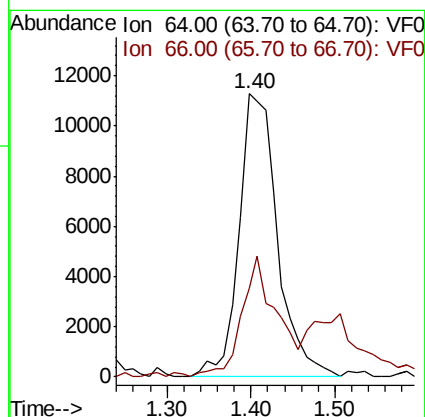
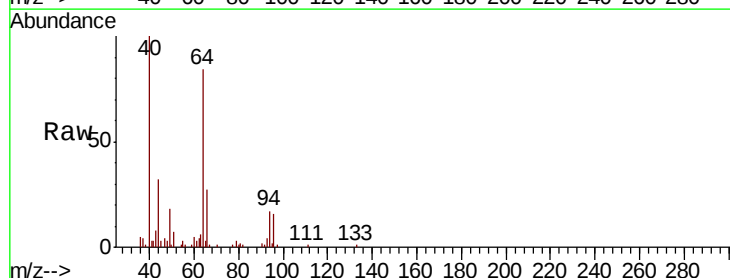
Acq: 22 Mar 2019 15:56

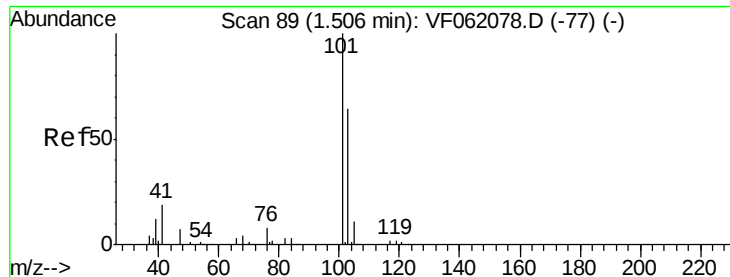
Tgt Ion: 64 Resp: 36073

Ion Ratio Lower Upper

64 100

66 31.5 24.5 36.7





#7

Trichlorofluoromethane

Concen: 21.306 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

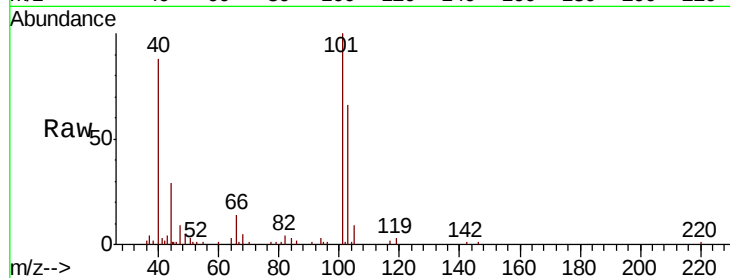
VF0322SBSD01

Tot Ion:101 Resp: 86531

Ion Ratio Lower Upper

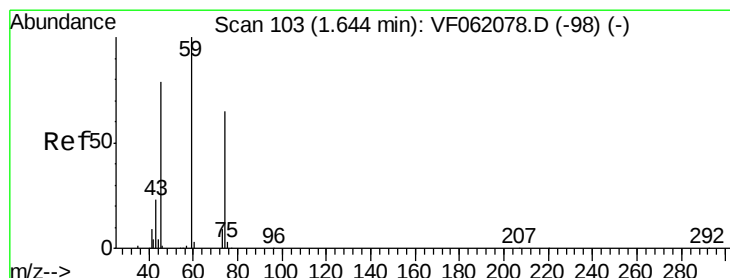
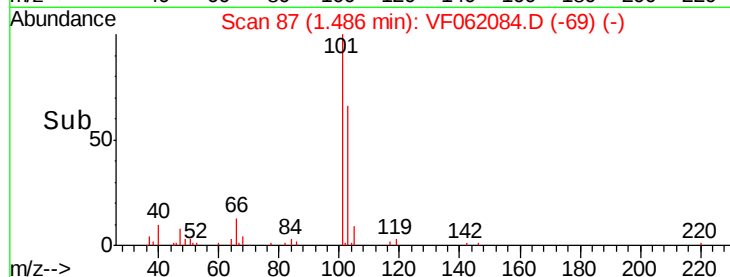
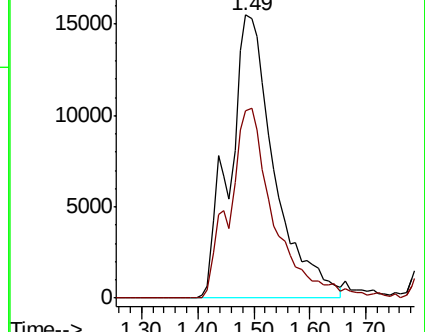
101 100

103 66.1 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: 19.479 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062084.D

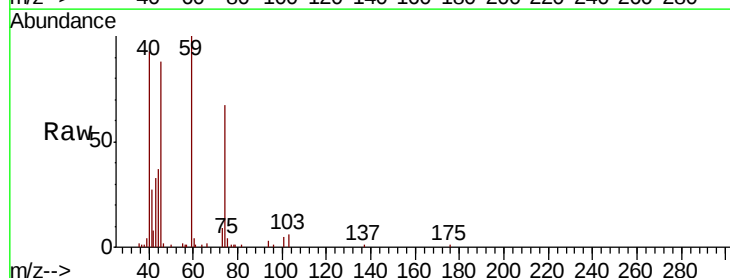
Acq: 22 Mar 2019 15:56

Tgt Ion: 74 Resp: 18071

Ion Ratio Lower Upper

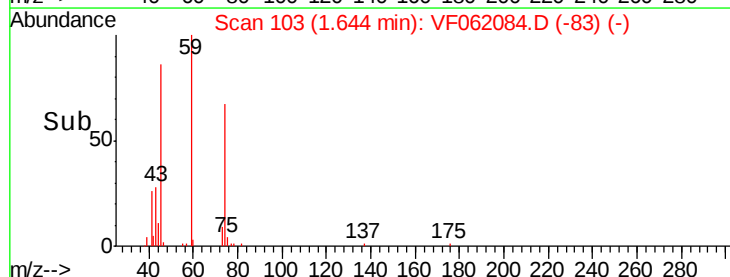
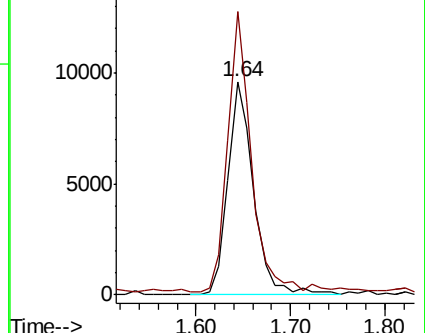
74 100

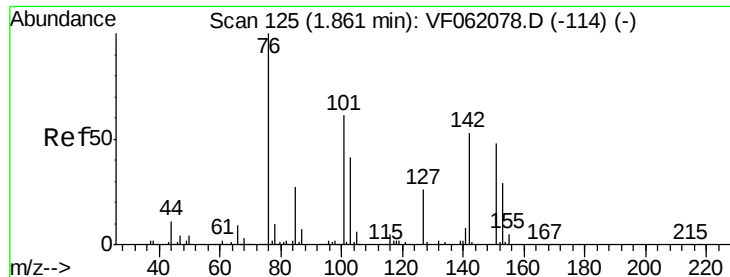
45 132.7 61.4 184.2



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: 20.272 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

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MSVOA_F

ClientSampleId :

VF0322SBSD01

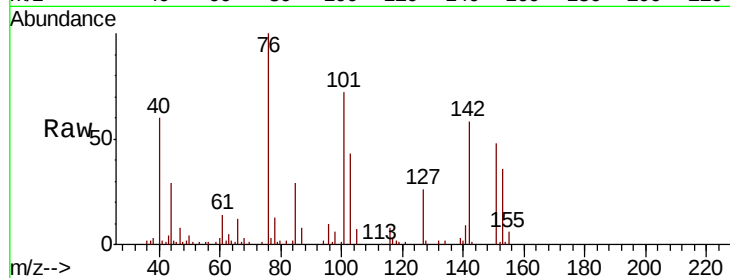
Tot Ion:101 Resp: 56170

Ion Ratio Lower Upper

101 100

85 39.8 34.6 52.0

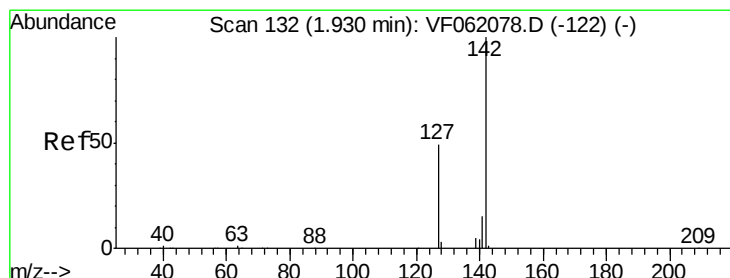
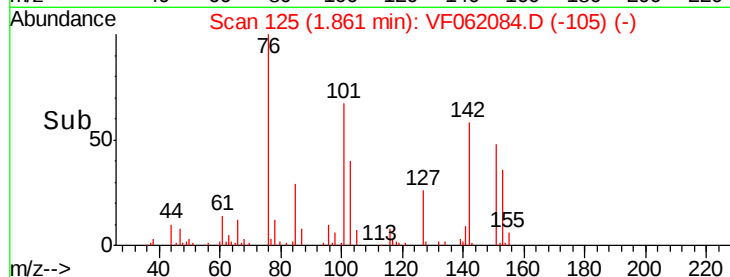
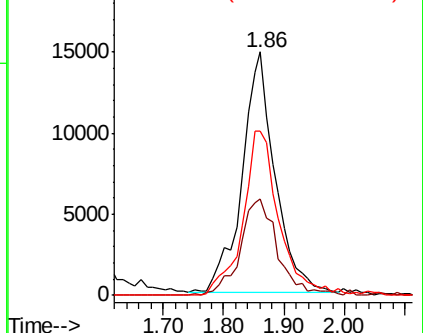
151 67.6 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.426 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

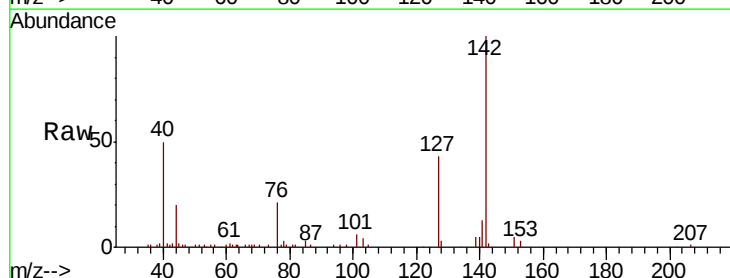
Tgt Ion:142 Resp: 86490

Ion Ratio Lower Upper

142 100

127 42.8 39.1 58.7

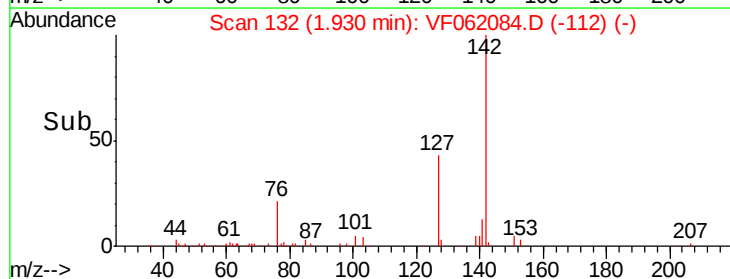
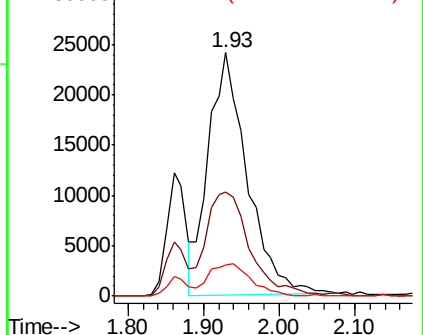
141 13.0 12.2 18.4

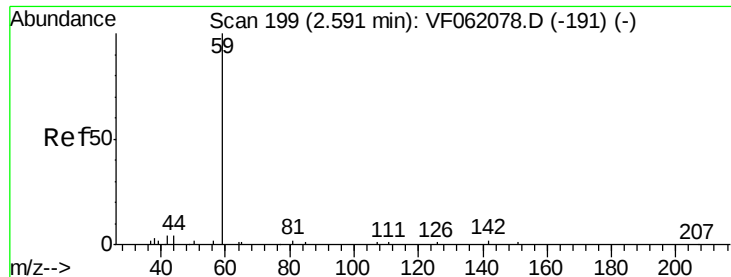


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



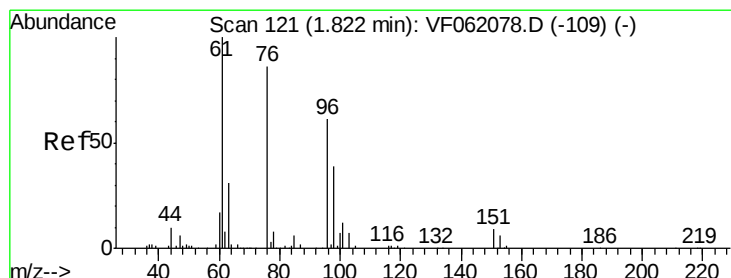
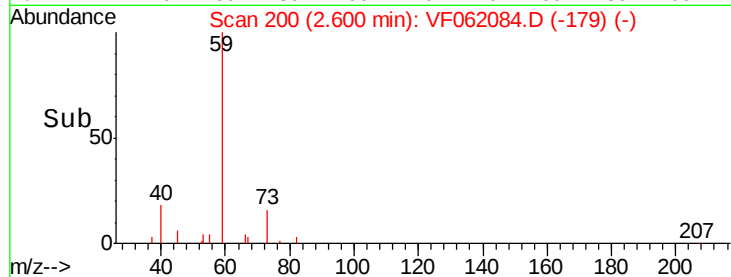
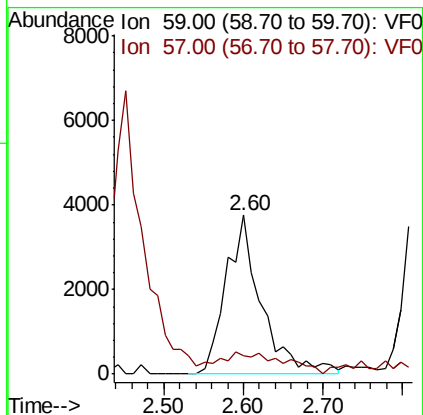
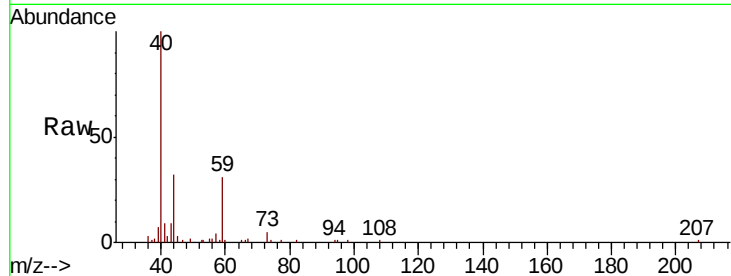


#11

Tert butyl alcohol
Concen: 106.127 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

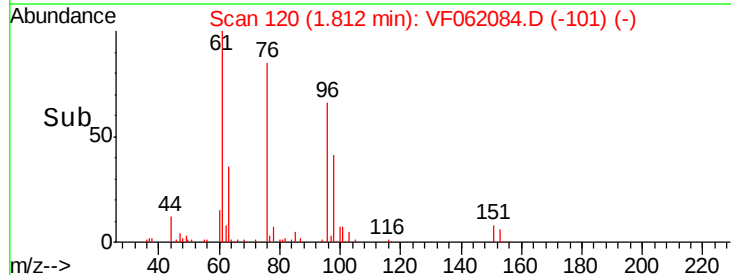
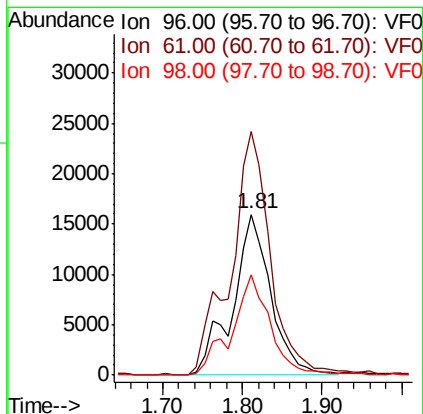
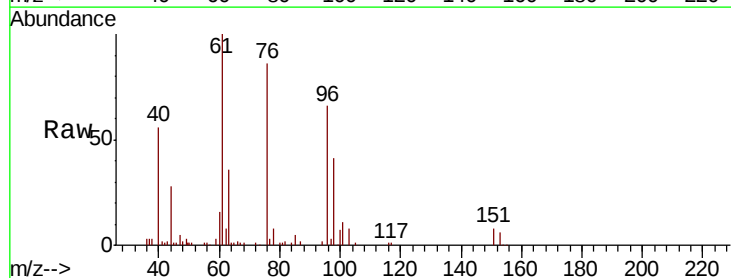
Tot Ion: 59 Resp: 11780
Ion Ratio Lower Upper
59 100
57 11.7 11.0 16.4

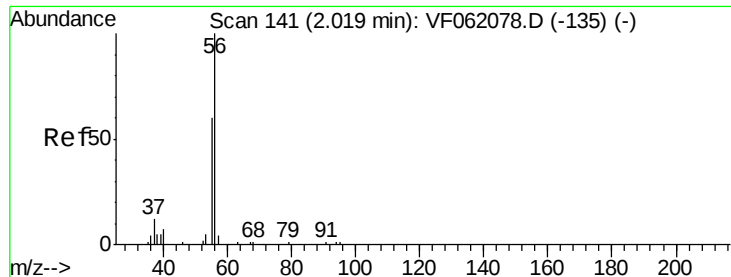


#12

1,1-Dichloroethene
Concen: 20.274 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 96 Resp: 53003
Ion Ratio Lower Upper
96 100
61 151.4 131.0 196.6
98 62.2 51.5 77.3





#13

Acrolein

Concen: 121.527 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

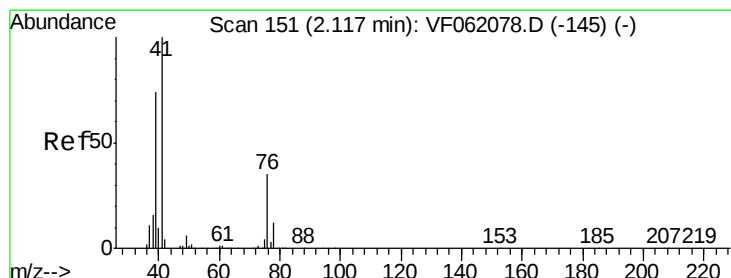
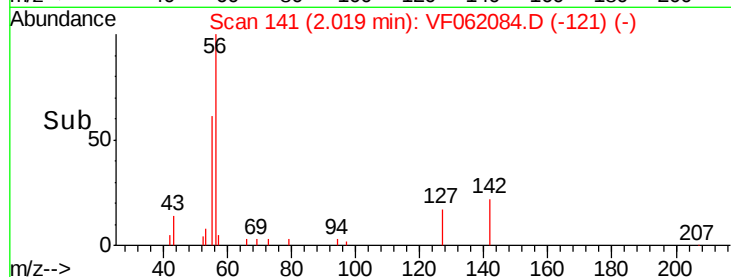
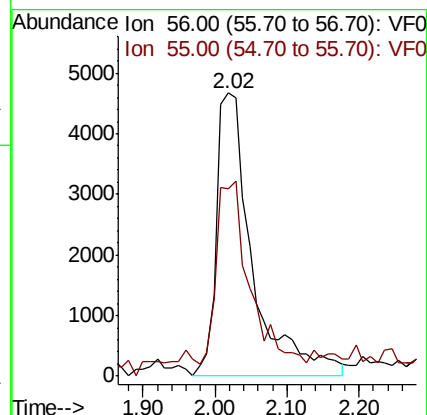
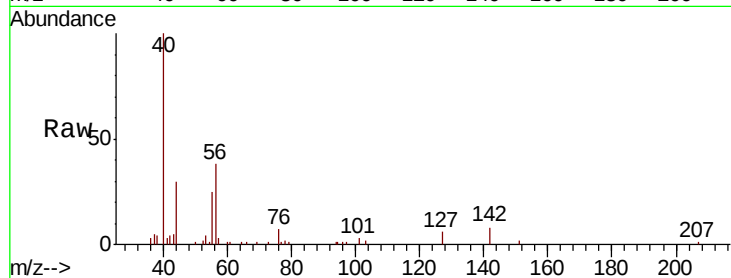
VF0322SBSD01

Tot Ion: 56 Resp: 16221

Ion Ratio Lower Upper

56 100

55 66.2 49.0 73.4



#14

Allyl chloride

Concen: 23.353 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

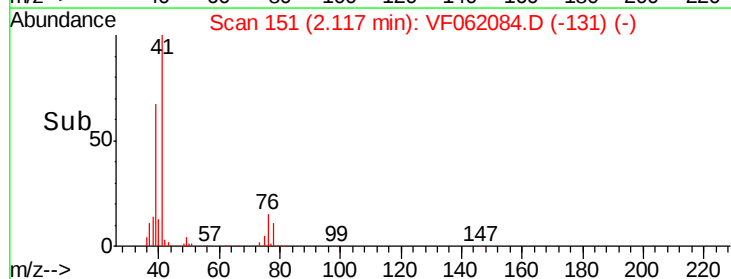
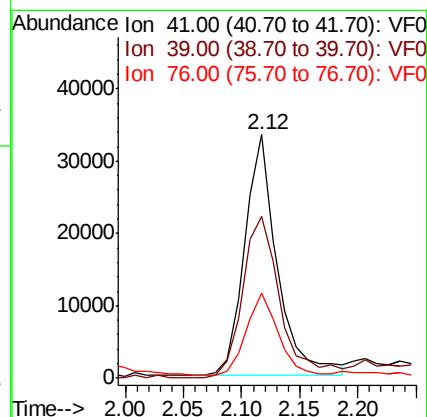
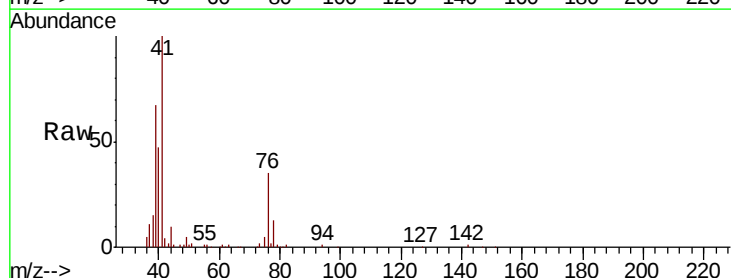
Tgt Ion: 41 Resp: 65182

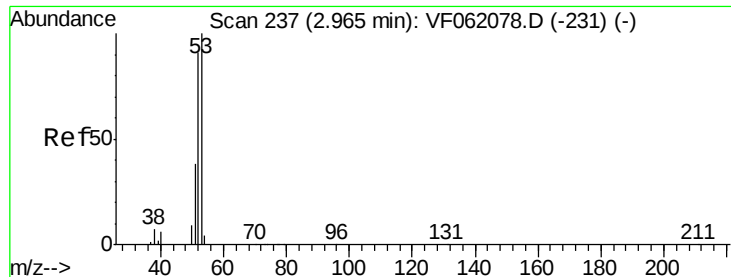
Ion Ratio Lower Upper

41 100

39 66.6 59.8 89.8

76 35.1 30.0 45.0





#15

Acrylonitrile

Concen: 101.664 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

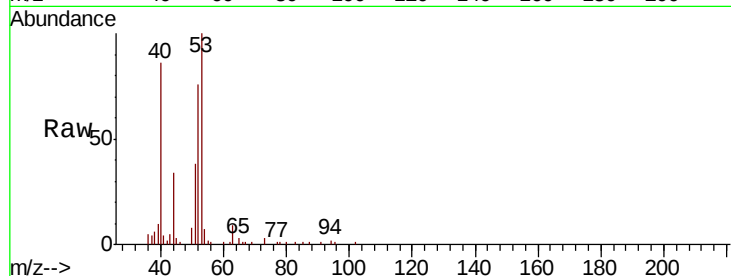
Tot Ion: 53 Resp: 39682

Ion Ratio Lower Upper

53 100

52 75.8 72.3 108.5

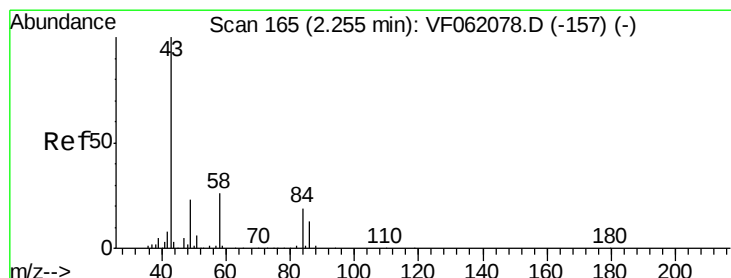
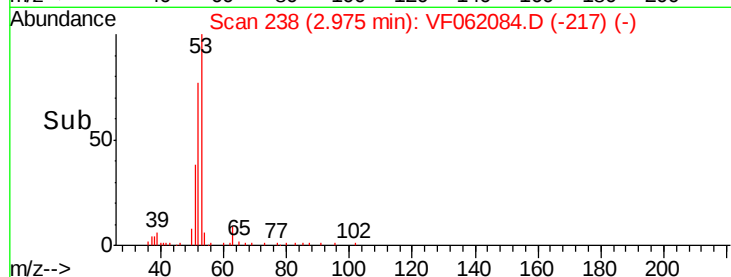
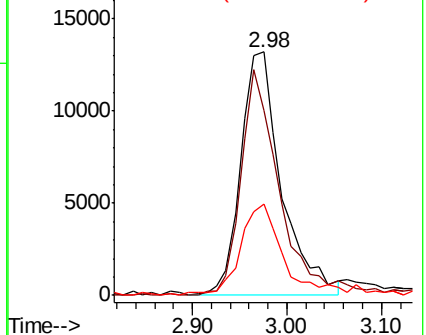
51 37.6 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 100.877 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF062084.D

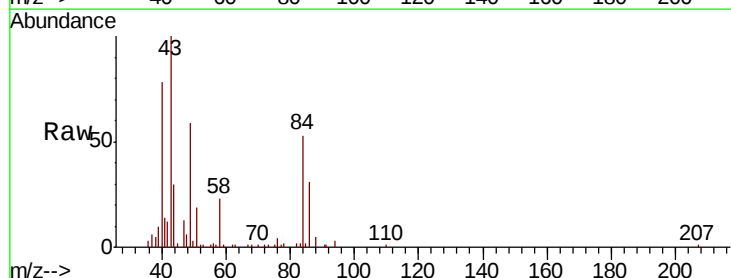
Acq: 22 Mar 2019 15:56

Tgt Ion: 43 Resp: 42831

Ion Ratio Lower Upper

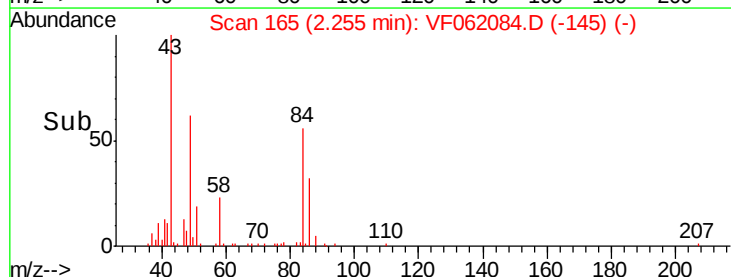
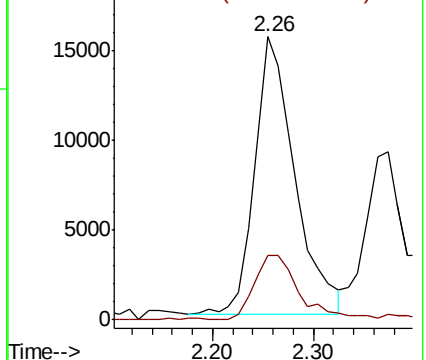
43 100

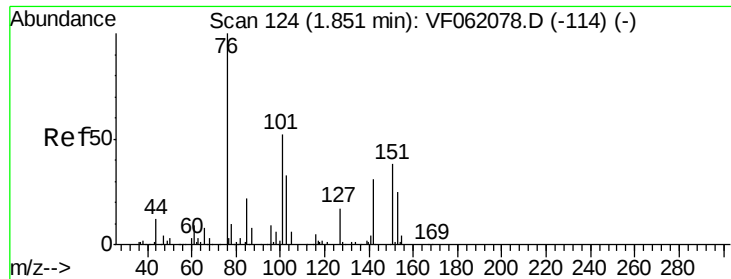
58 22.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

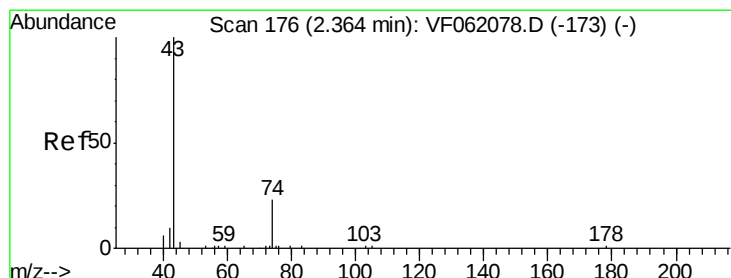
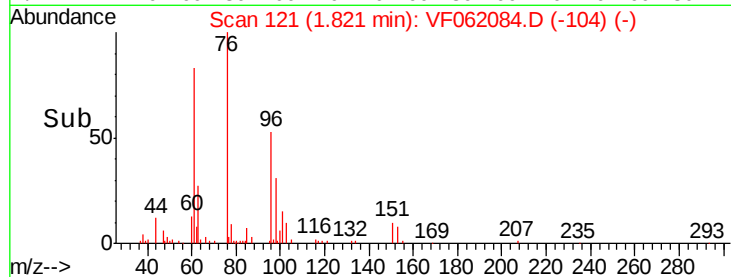
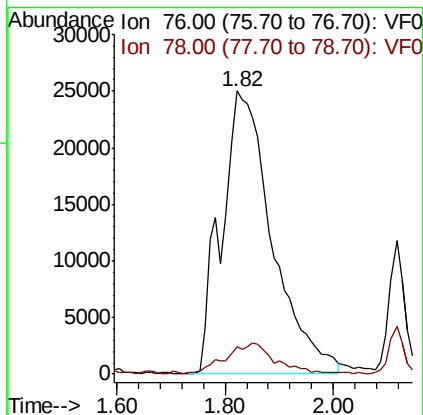
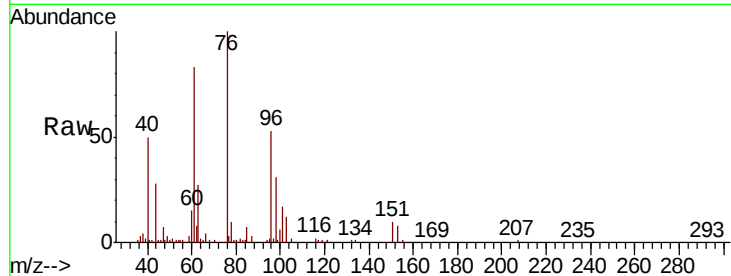




#17
Carbon Disulfide
Concen: 20.609 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

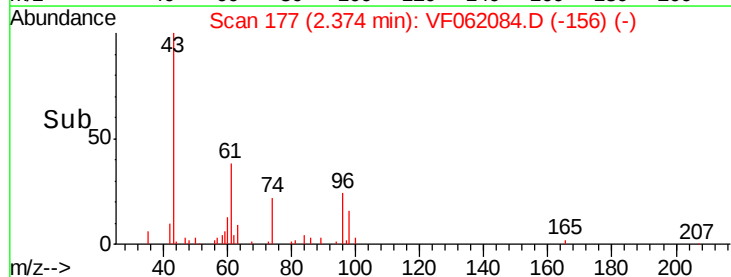
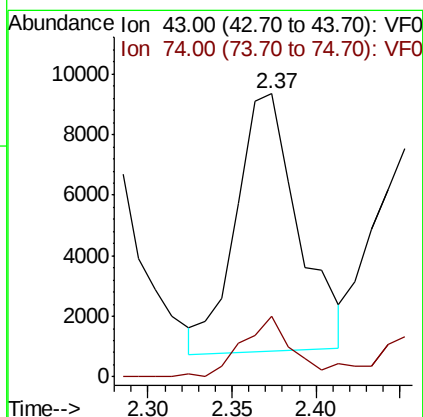
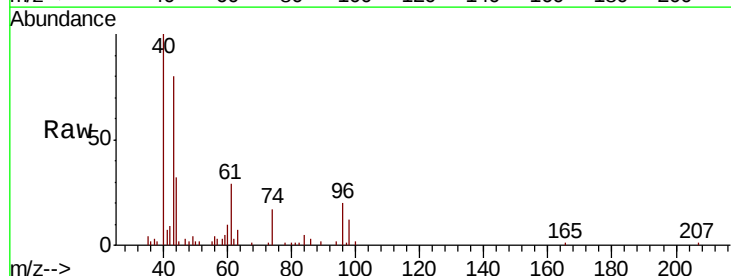
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

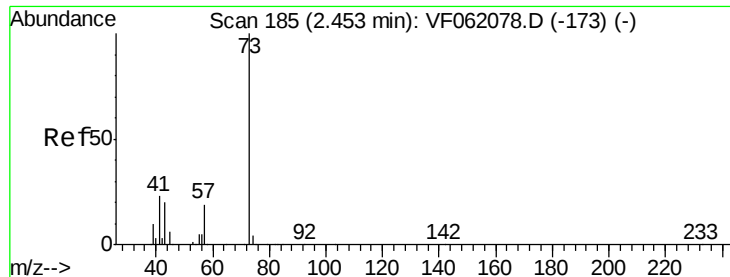
Tot Ion: 76 Resp: 164296
Ion Ratio Lower Upper
76 100
78 9.7 7.9 11.9



#18
Methyl Acetate
Concen: 21.676 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 43 Resp: 21954
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5



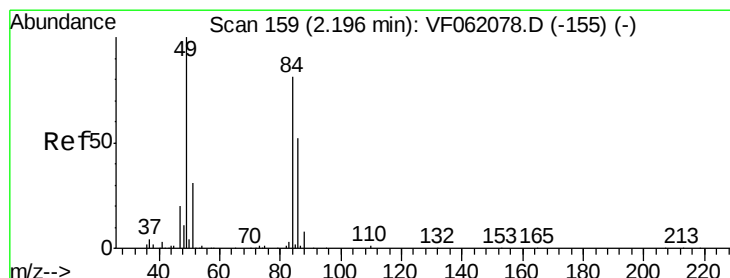
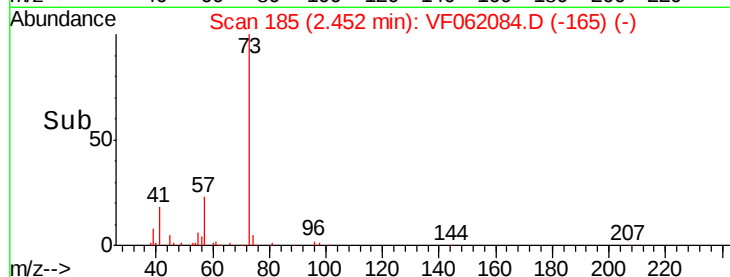
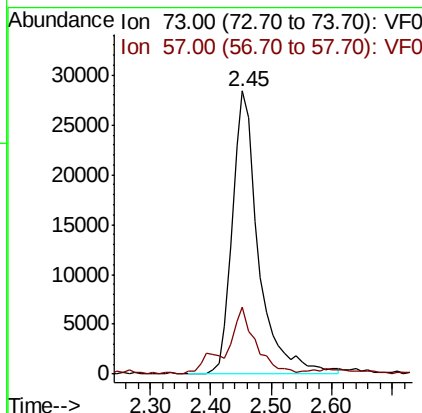
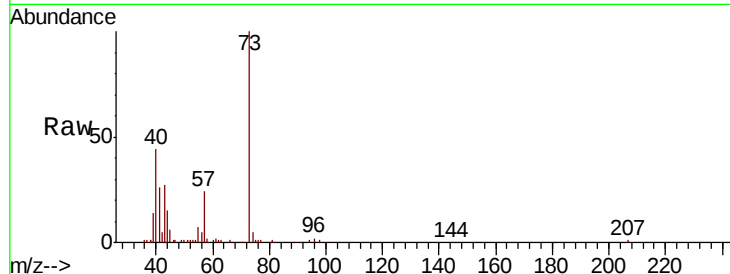


#19

Methyl tert-butyl Ether
 Concen: 20.719 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

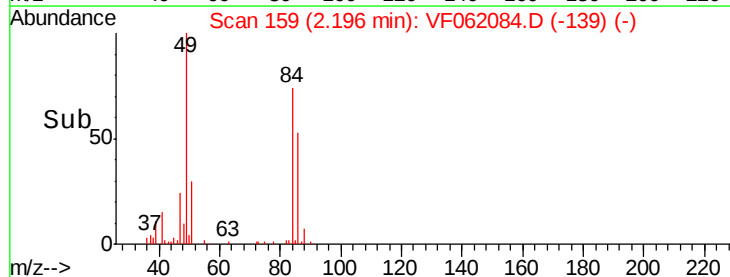
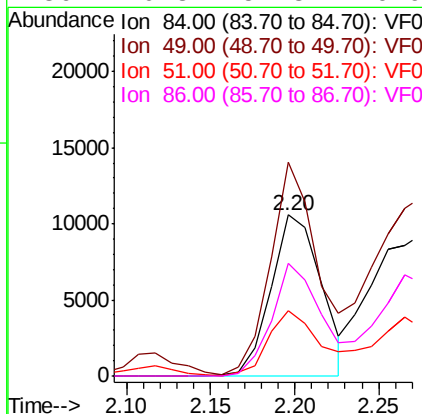
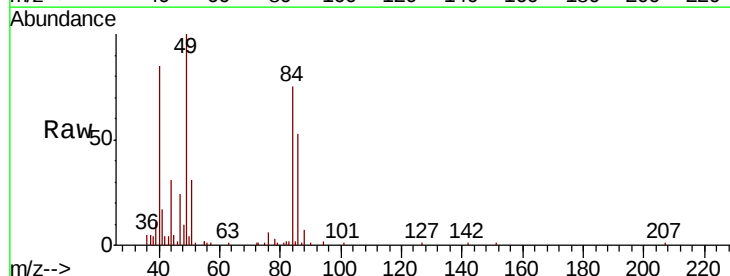
Tot Ion: 73 Resp: 85608
 Ion Ratio Lower Upper
 73 100
 57 23.6 15.1 22.7#

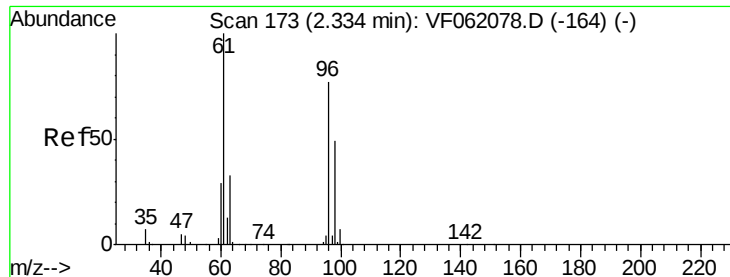


#20

Methylene Chloride
 Concen: 5.754 ug/l
 RT: 2.20 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion: 84 Resp: 21944
 Ion Ratio Lower Upper
 84 100
 49 132.8 100.4 150.6
 51 40.9 31.0 46.6
 86 70.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 22.765 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

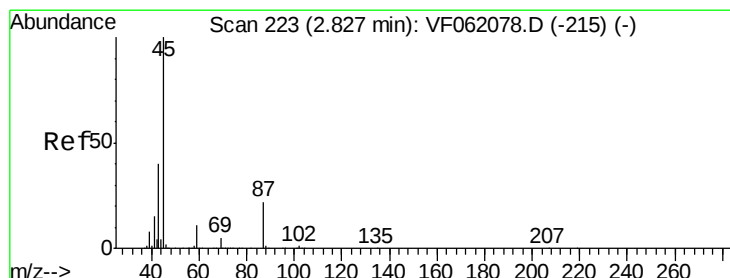
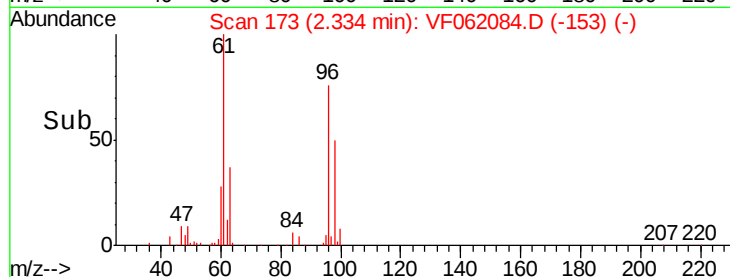
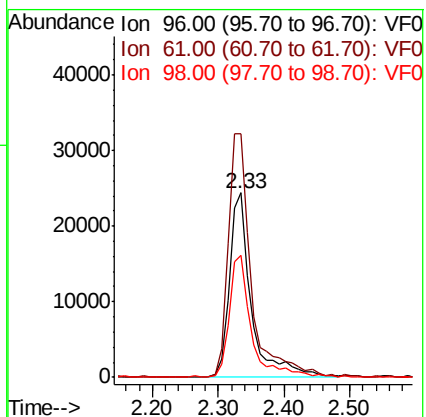
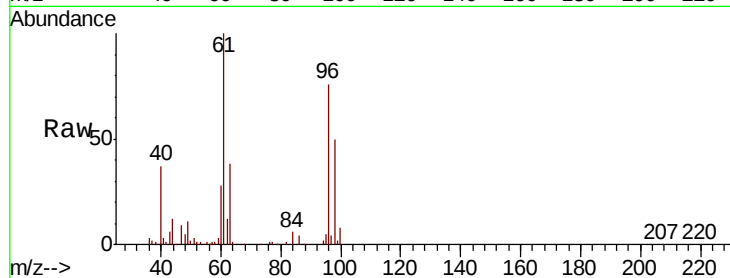
Tot Ion: 96 Resp: 57265

Ion Ratio Lower Upper

96 100

61 131.9 104.5 156.7

98 66.3 51.2 76.8



#22

Diisopropyl ether

Concen: 21.424 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion: 45 Resp: 156786

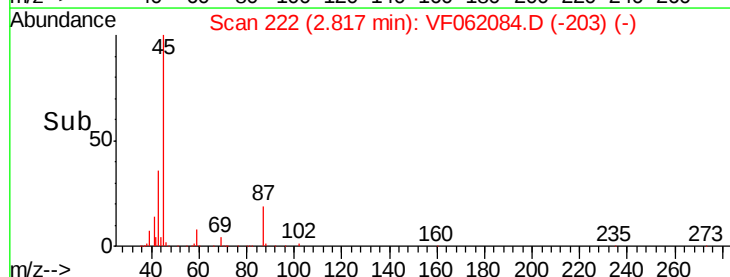
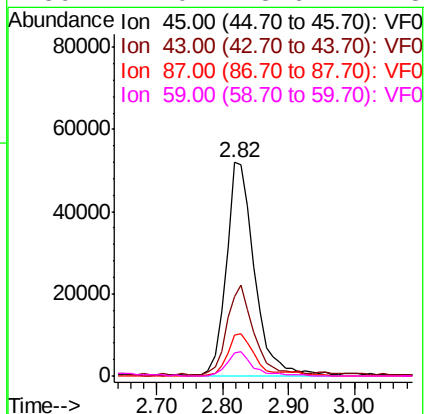
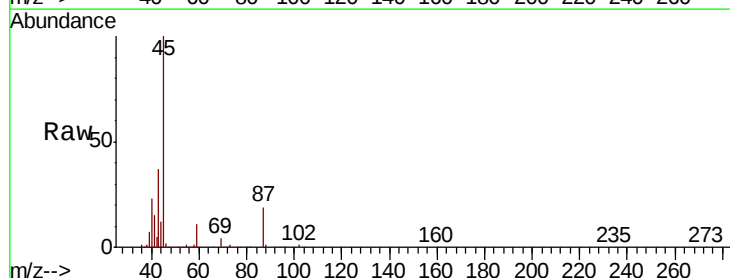
Ion Ratio Lower Upper

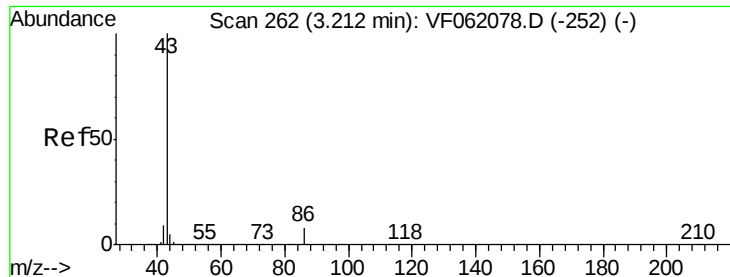
45 100

43 37.3 32.5 48.7

87 19.2 17.4 26.2

59 11.0 8.6 12.8





#23

Vinyl Acetate

Concen: 110.483 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

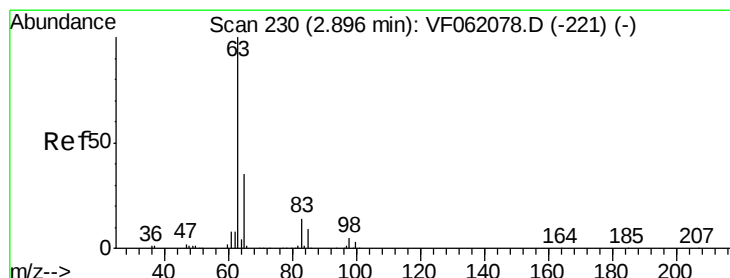
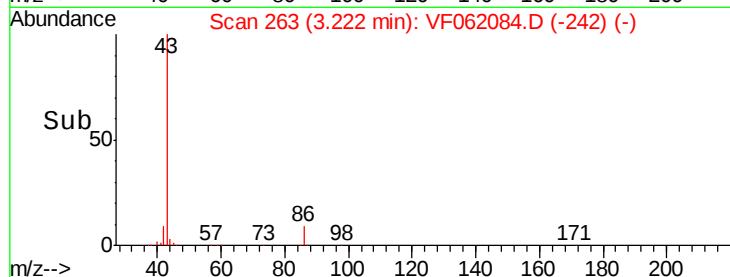
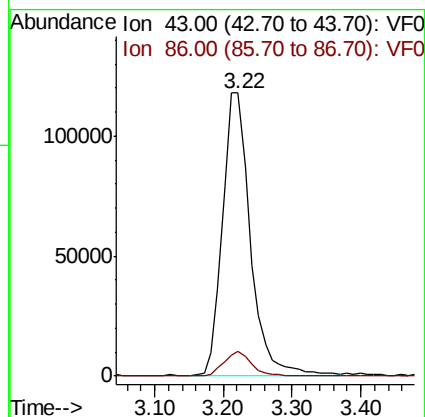
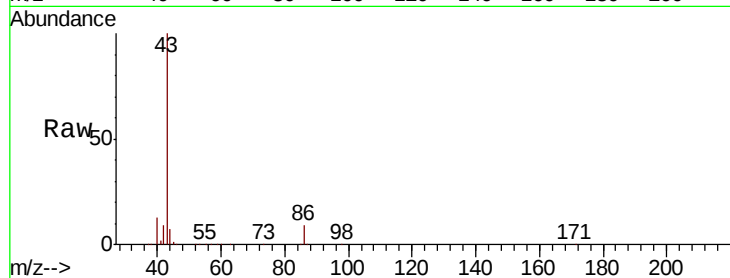
VF0322SBS01

Tot Ion: 43 Resp: 331037

Ion Ratio Lower Upper

43 100

86 8.7 6.8 10.2



#24

1,1-Dichloroethane

Concen: 20.937 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

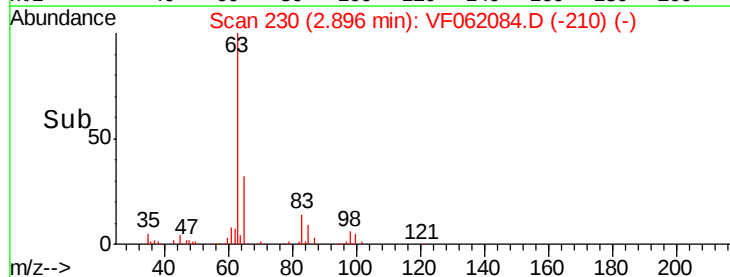
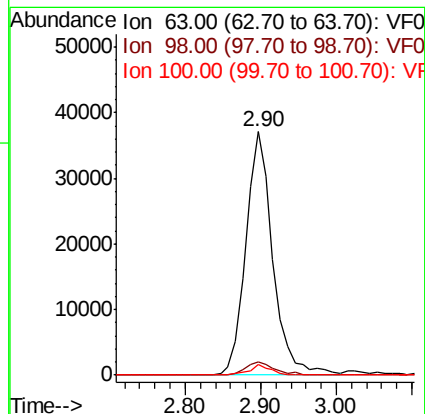
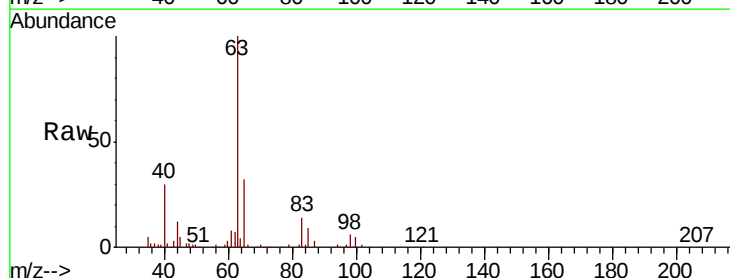
Tgt Ion: 63 Resp: 91884

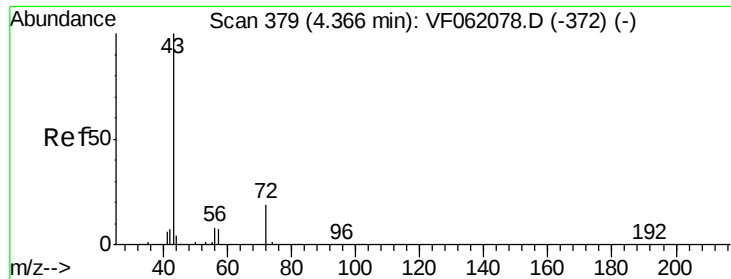
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 4.6 1.7 5.1





#25

2-Butanone

Concen: 101.261 ug/l

RT: 4.37 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

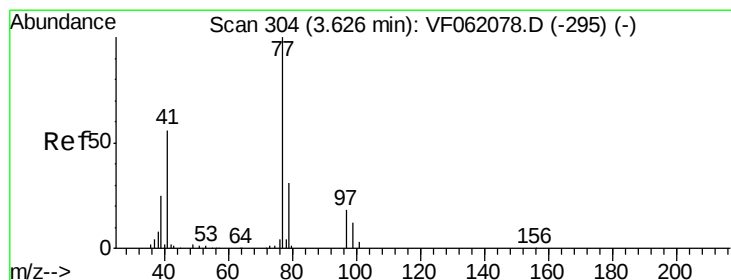
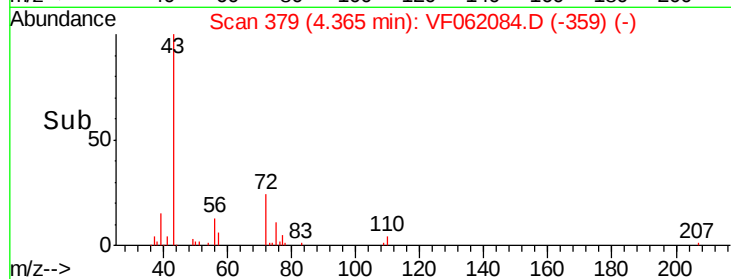
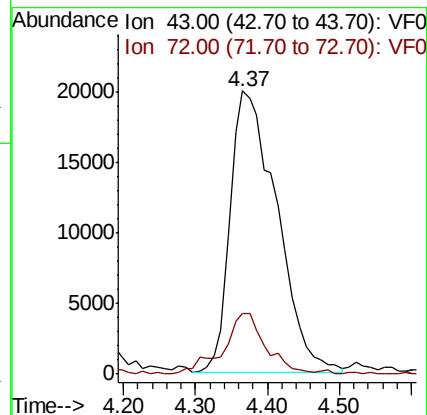
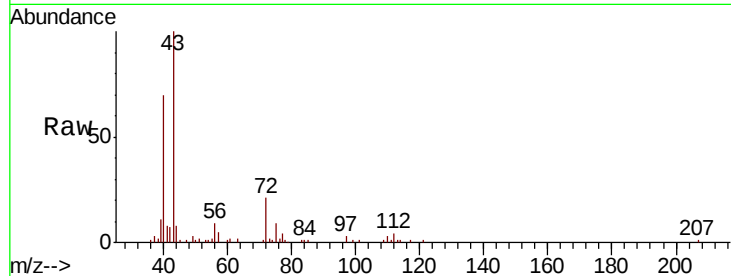
VF0322SBSD01

Tot Ion: 43 Resp: 89755

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1



#26

2,2-Dichloropropane

Concen: 21.699 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.00 min

Lab File: VF062084.D

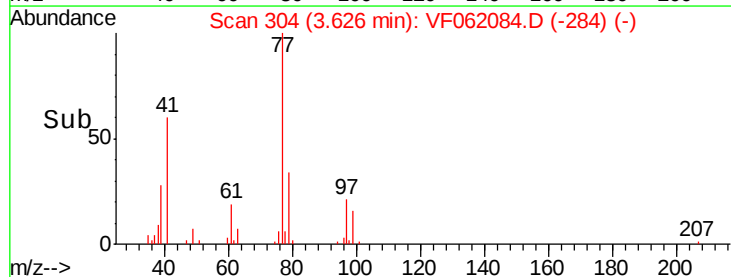
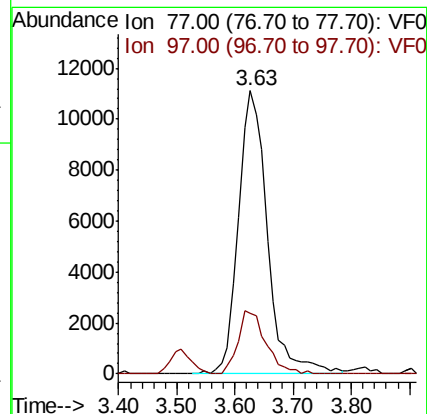
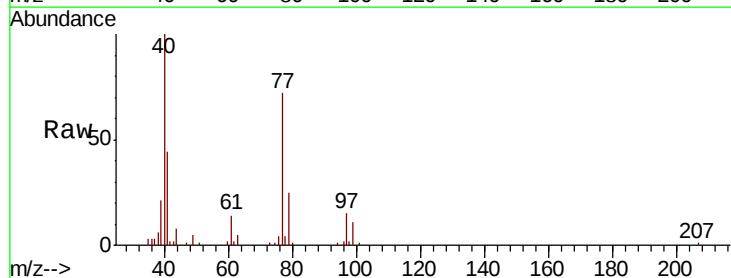
Acq: 22 Mar 2019 15:56

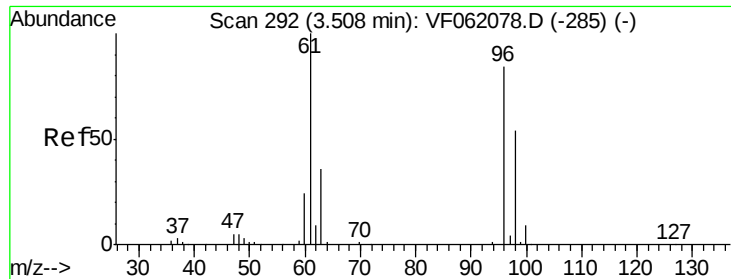
Tgt Ion: 77 Resp: 38610

Ion Ratio Lower Upper

77 100

97 21.2 10.3 30.9



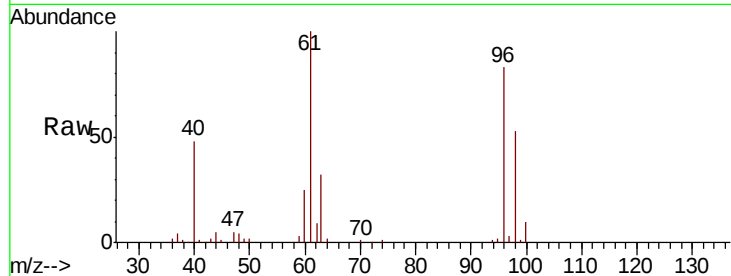


#27

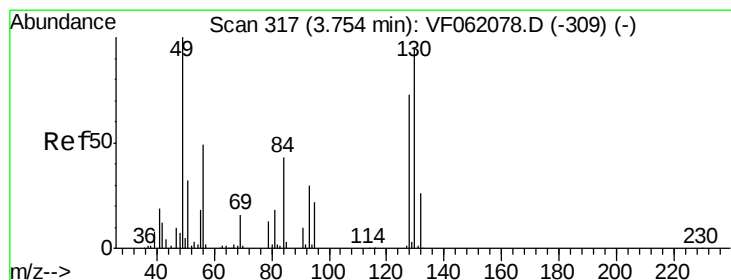
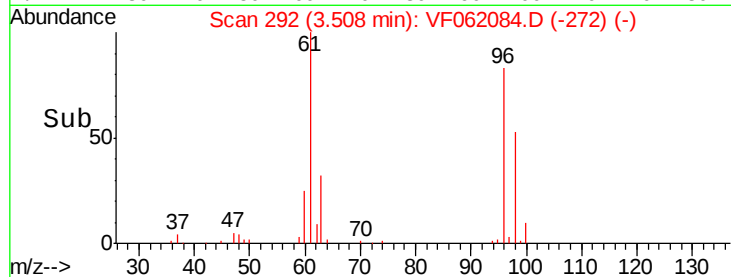
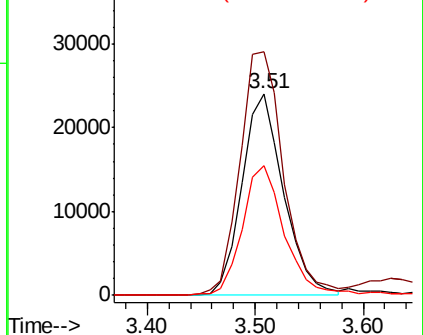
cis-1,2-Dichloroethene
 Concen: 19.276 ug/l
 RT: 3.51 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

Tot Ion	96	Resp	64252
Ion	Ratio	Lower	Upper
96	100		
61	120.6	0.0	239.0
98	64.3	0.0	128.2



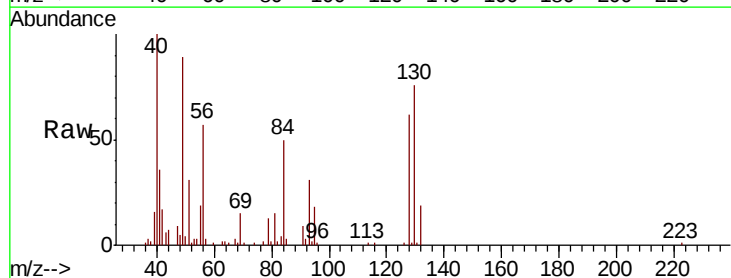
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



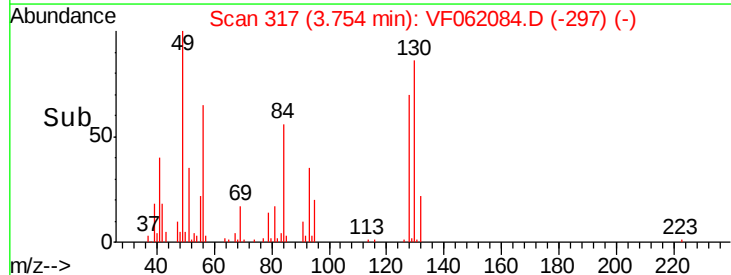
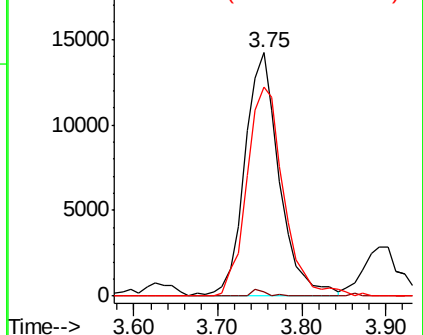
#28

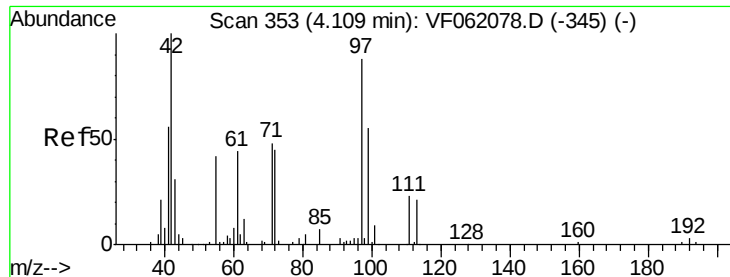
Bromochloromethane
 Concen: 22.881 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion	49	Resp	41027
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.6
130	85.6	75.5	113.3



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 108.666 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

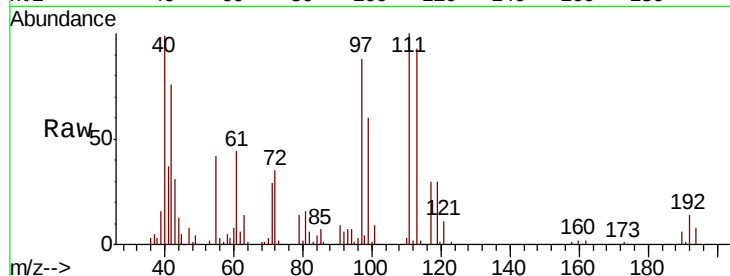
Tot Ion: 42 Resp: 41878

Ion Ratio Lower Upper

42 100

72 40.3 33.3 49.9

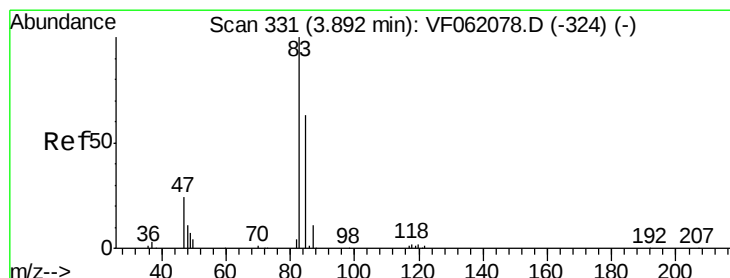
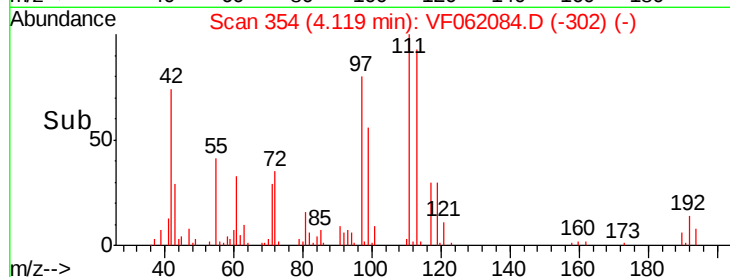
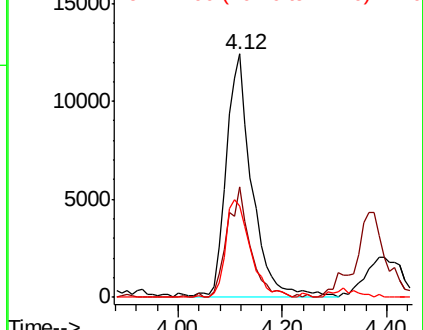
71 38.7 35.0 52.4



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: 21.685 ug/l

RT: 3.90 min Scan# 332

Delta R.T. 0.01 min

Lab File: VF062084.D

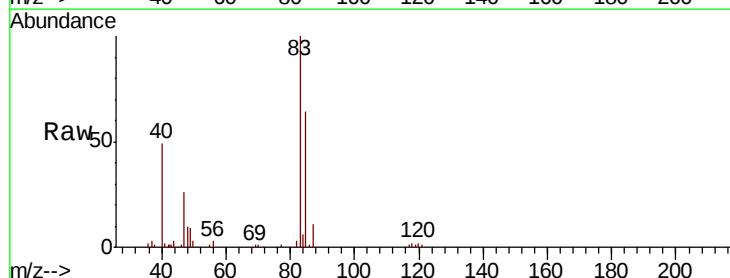
Acq: 22 Mar 2019 15:56

Tgt Ion: 83 Resp: 100573

Ion Ratio Lower Upper

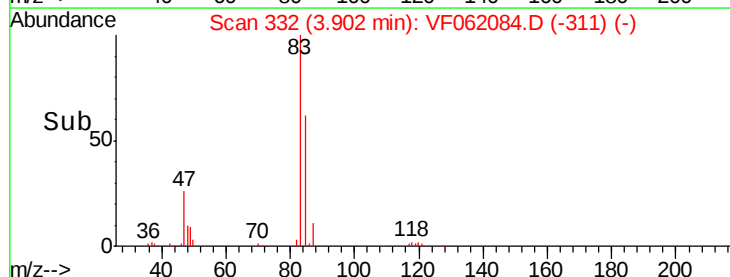
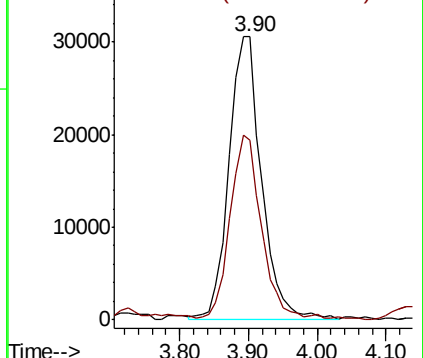
83 100

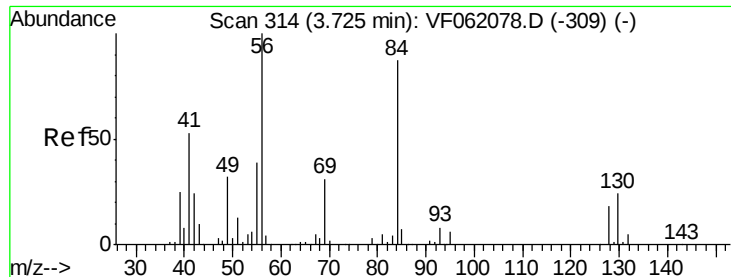
85 63.6 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

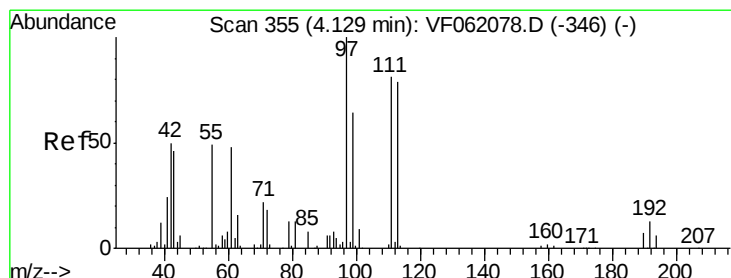
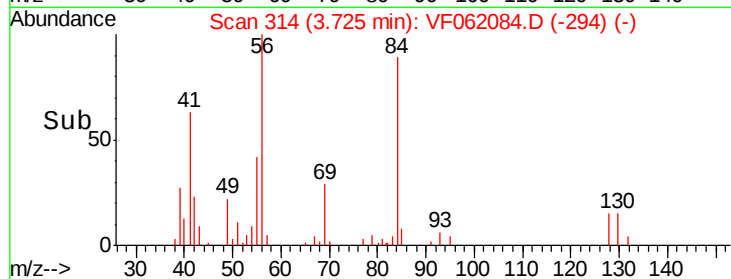
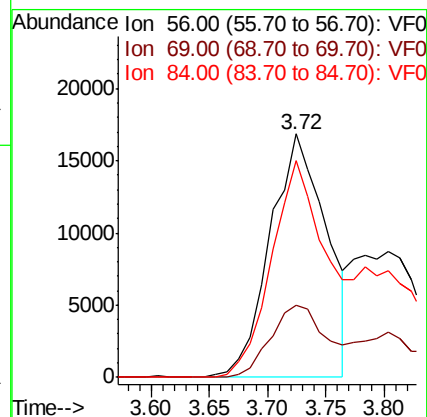
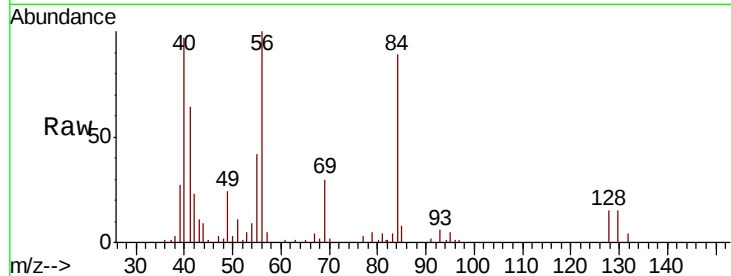




#31
Cyclohexane
Concen: 12.316 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

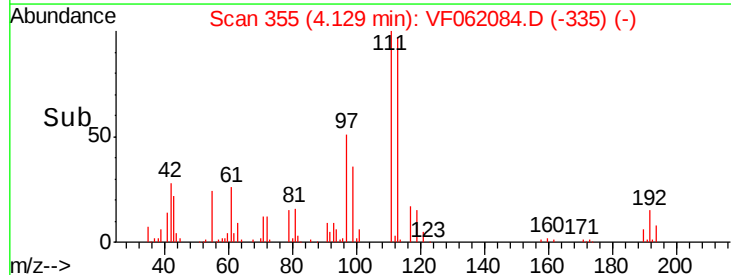
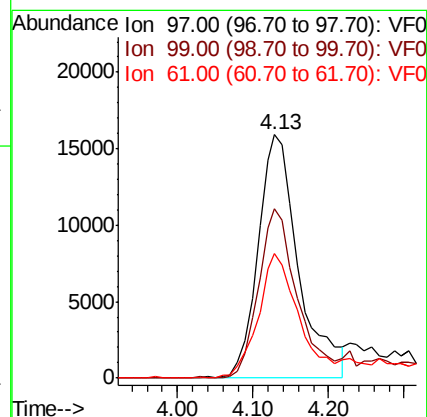
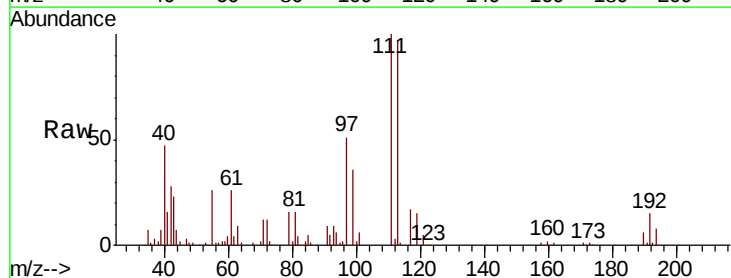
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

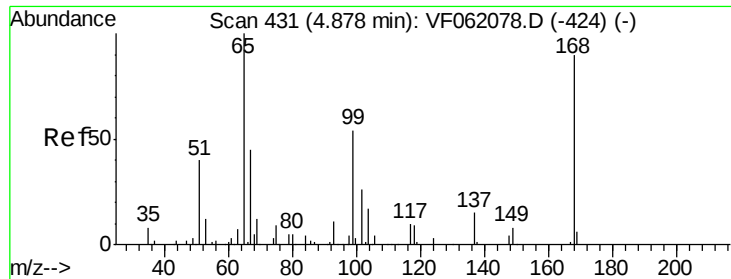
Tot Ion: 56 Resp: 56448
Ion Ratio Lower Upper
56 100
69 29.6 25.9 38.9
84 88.9 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 21.073 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 97 Resp: 59452
Ion Ratio Lower Upper
97 100
99 69.8 51.3 76.9
61 51.3 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 52.700 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

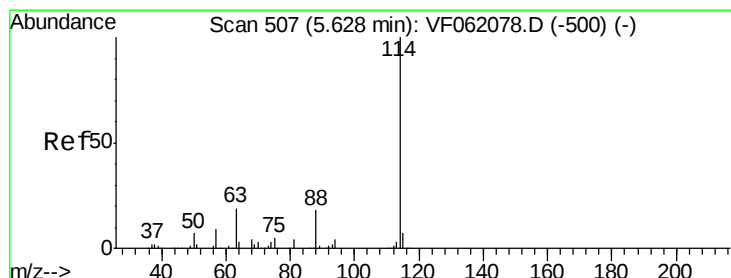
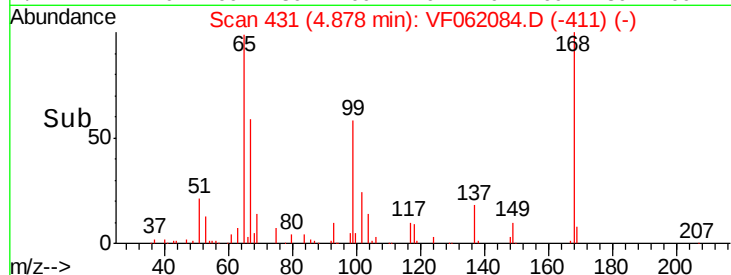
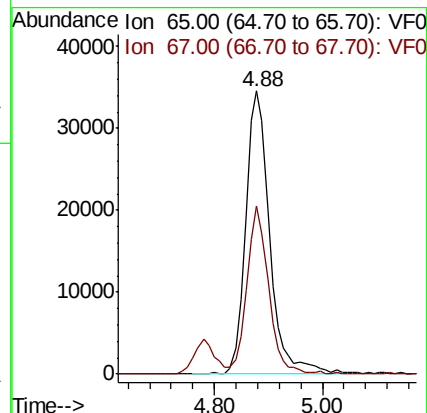
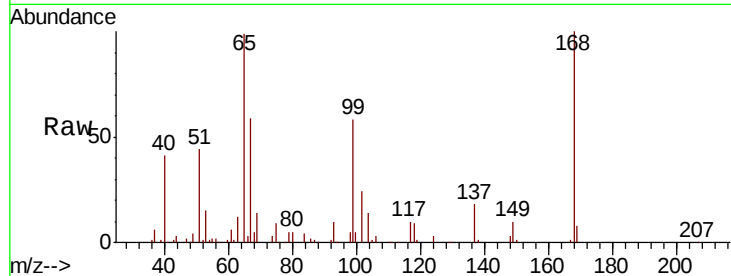
VF0322SBSD01

Tot Ion: 65 Resp: 106314

Ion Ratio Lower Upper

65 100

67 59.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

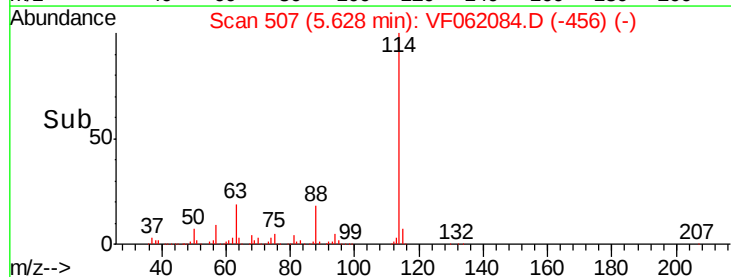
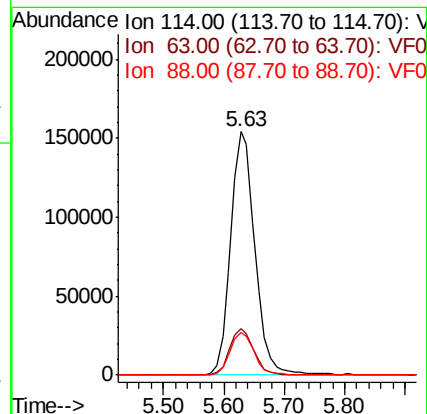
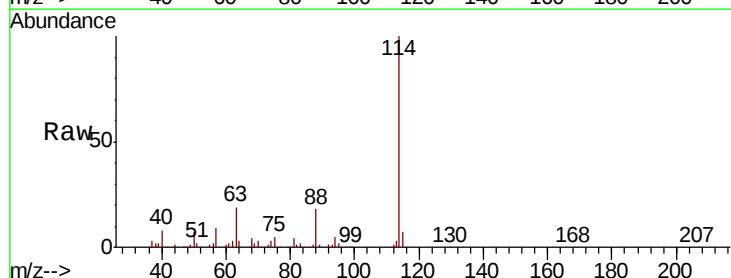
Tgt Ion: 114 Resp: 429332

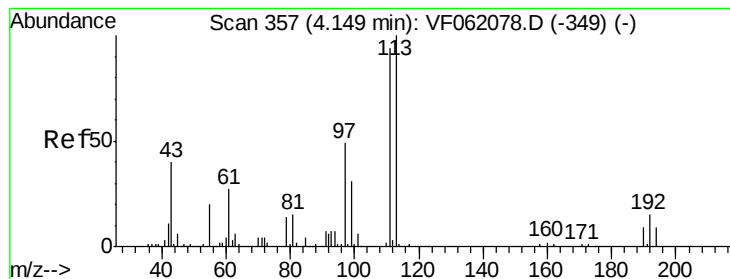
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

88 17.5 0.0 36.4





#35

Dibromofluoromethane

Concen: 51.799 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

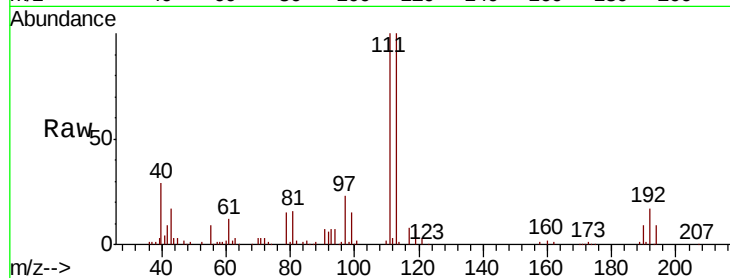
Tot Ion:113 Resp: 150438

Ion Ratio Lower Upper

113 100

111 99.8 75.4 113.0

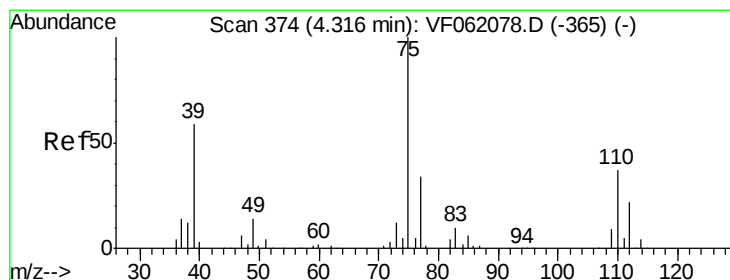
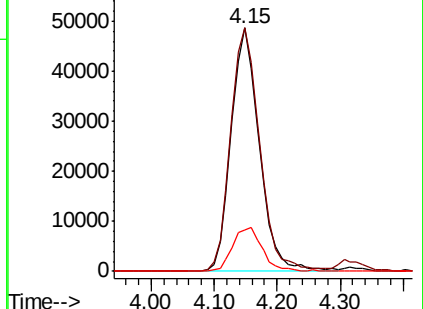
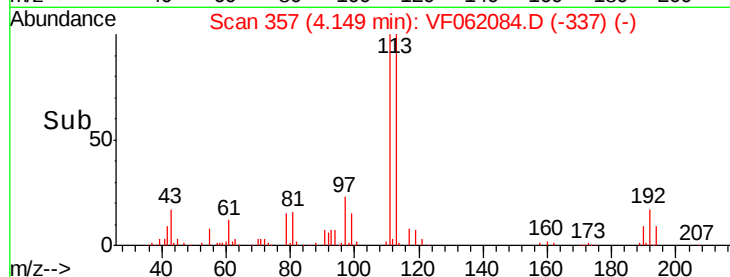
192 17.0 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.265 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

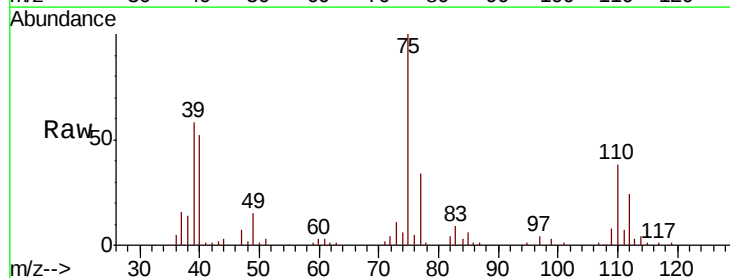
Tgt Ion: 75 Resp: 82872

Ion Ratio Lower Upper

75 100

110 37.9 18.5 55.5

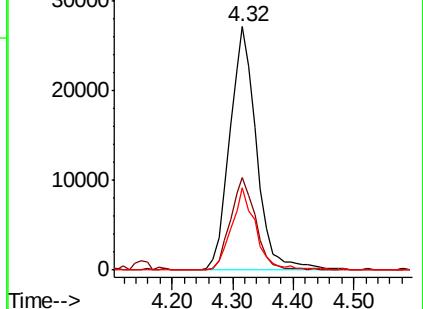
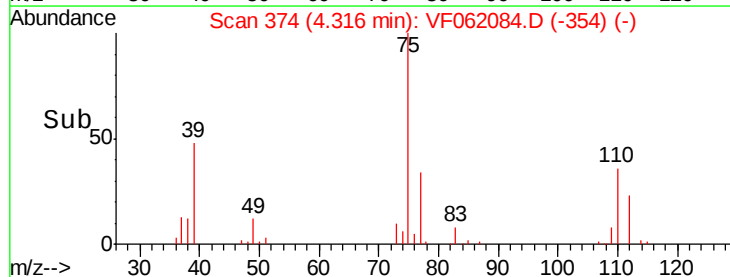
77 34.0 27.4 41.0

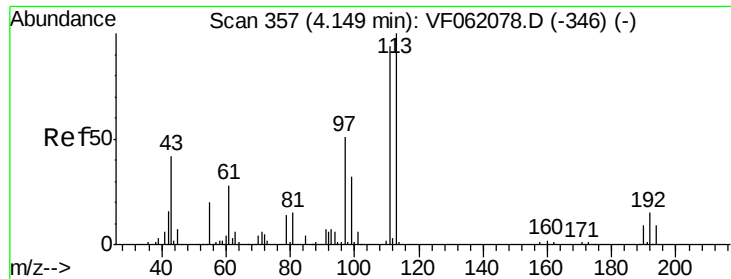


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.366 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

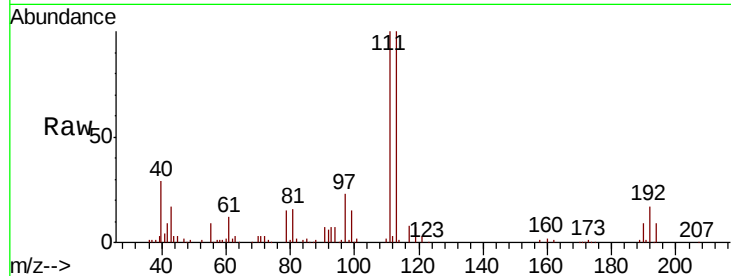
Tot Ion: 43 Resp: 34611

Ion Ratio Lower Upper

43 100

61 67.5 53.6 80.4

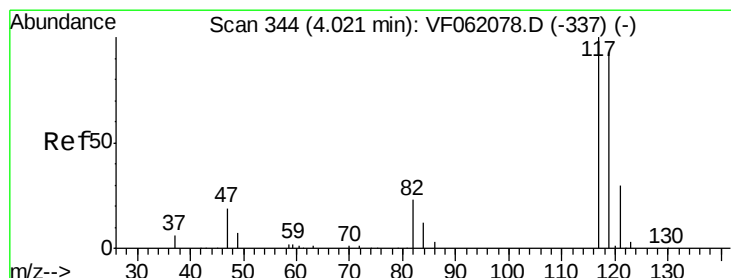
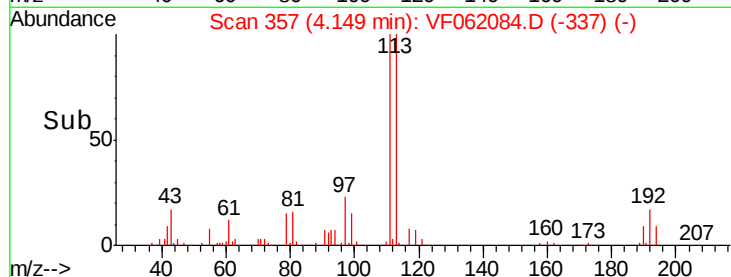
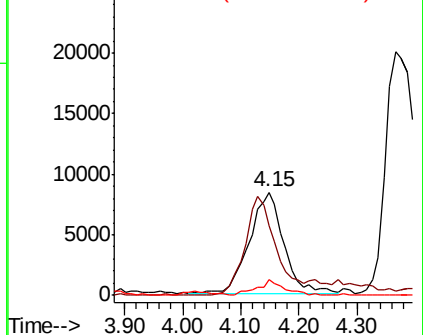
70 15.7 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.566 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

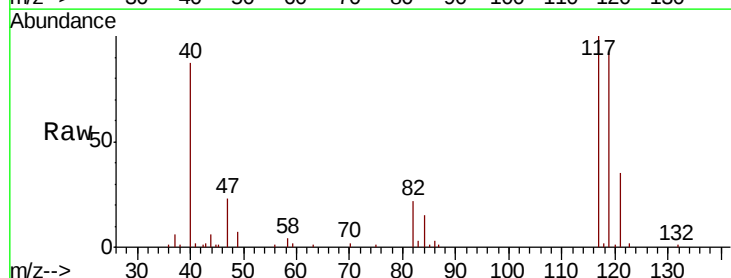
Tgt Ion: 117 Resp: 57321

Ion Ratio Lower Upper

117 100

119 91.7 74.7 112.1

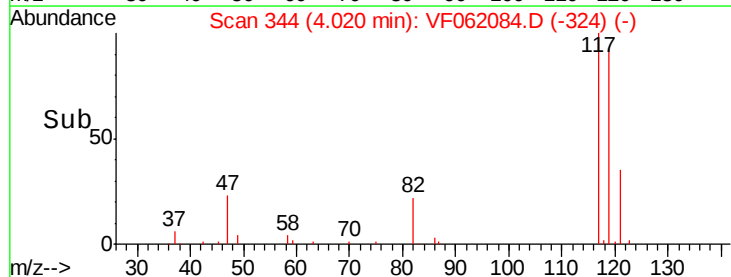
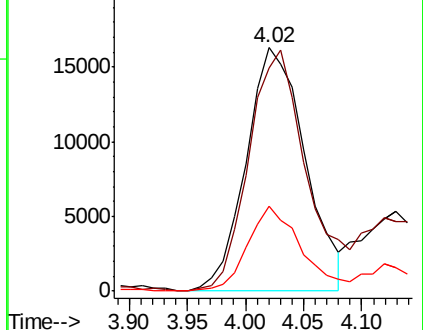
121 35.0 23.6 35.4

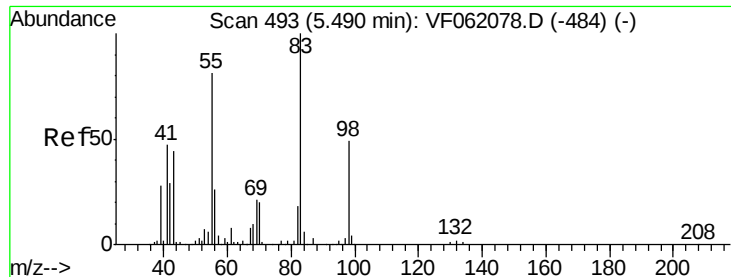


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

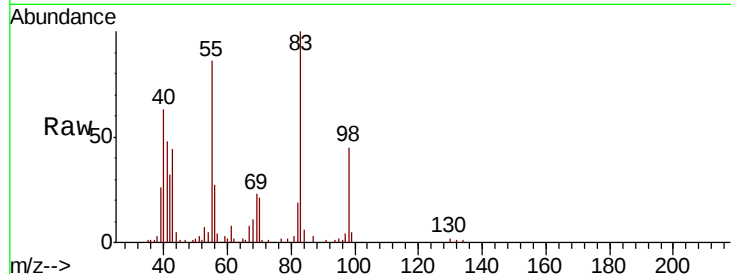




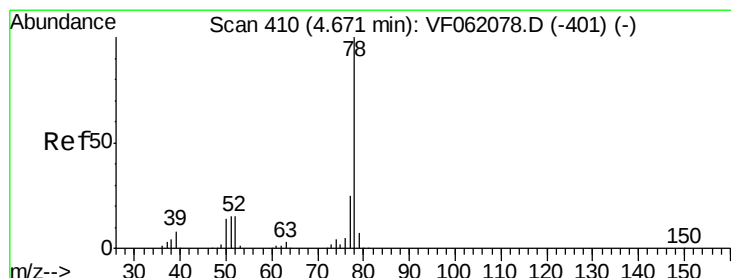
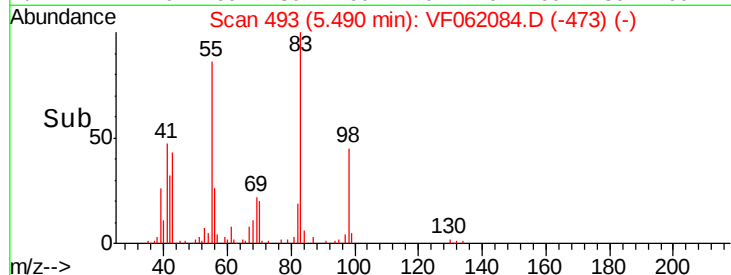
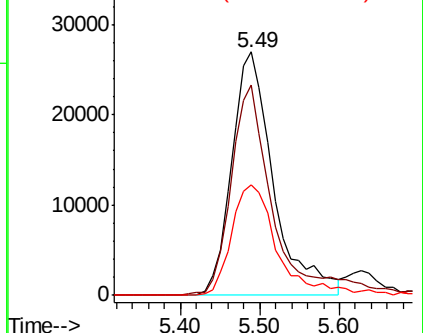
#39
Methylcyclohexane
Concen: 20.771 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	83	Resp	98584
Ion	Ratio	Lower	Upper
83	100		
55	86.2	64.5	96.7
98	45.4	39.1	58.7

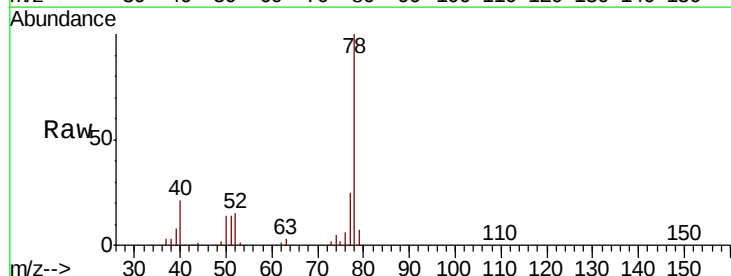


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

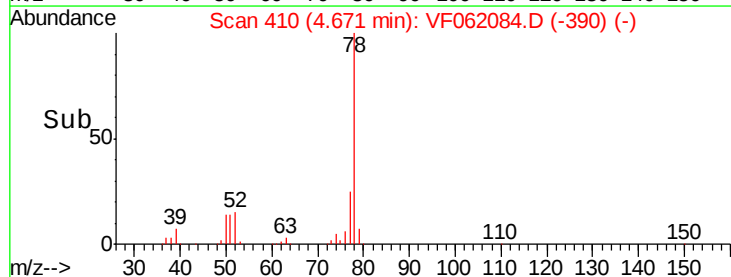
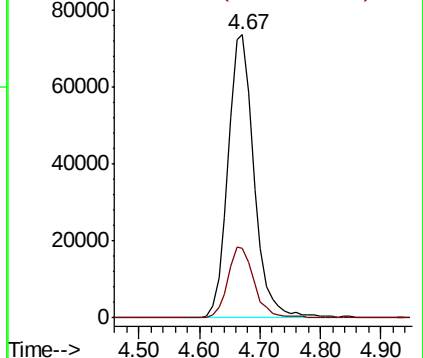


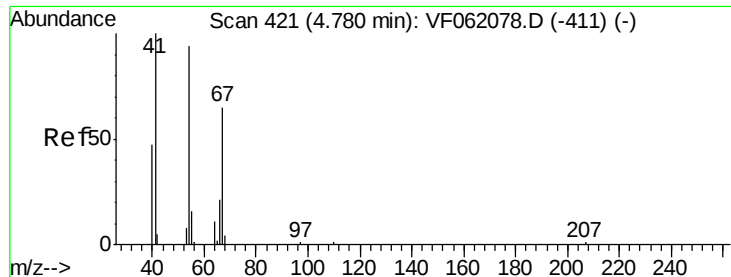
#40
Benzene
Concen: 20.125 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	78	Resp	220627
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6



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

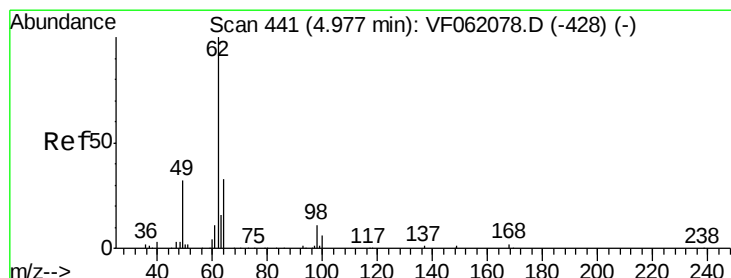
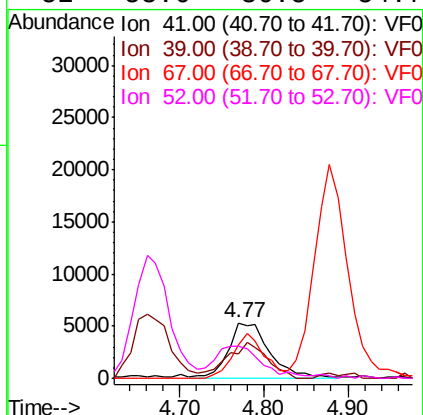
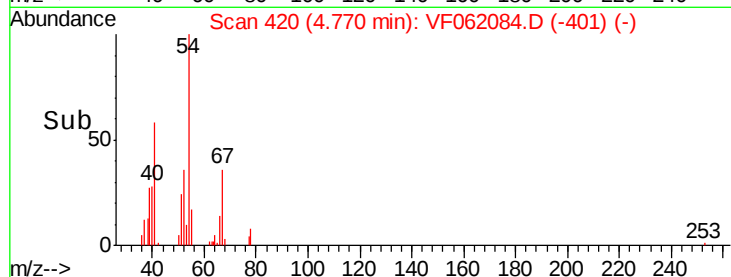
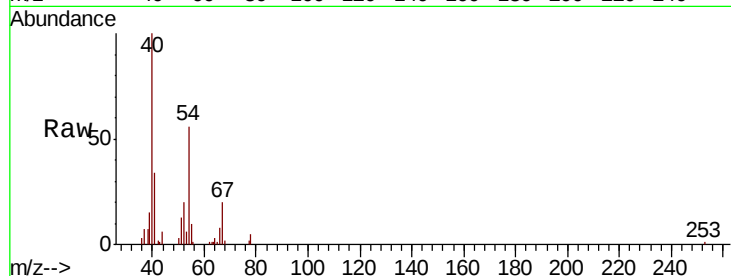




#41
Methacrylonitrile
Concen: 19.368 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

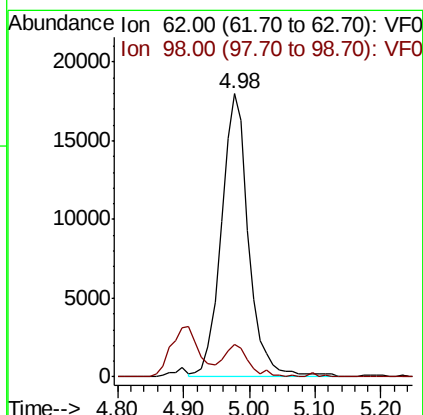
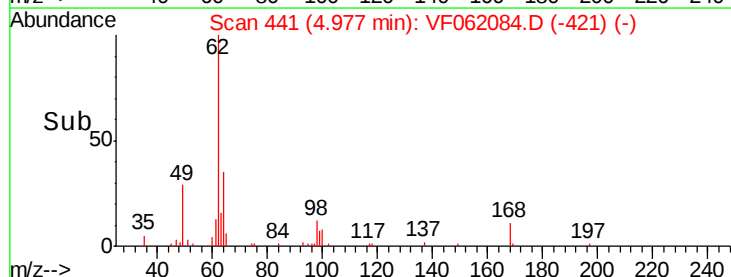
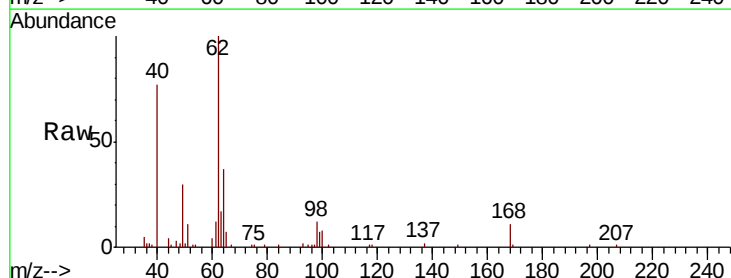
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

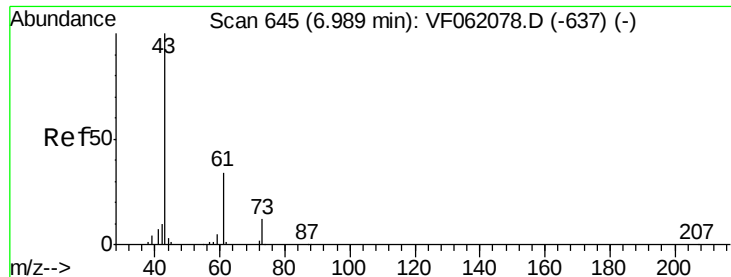
Tot Ion:	41	Resp:	18315
Ion	Ratio	Lower	Upper
41	100		
39	44.6	43.5	65.3
67	59.4	51.6	77.4
52	58.6	36.5	54.7#



#42
1,2-Dichloroethane
Concen: 20.067 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:	62	Resp:	52023
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	23.2



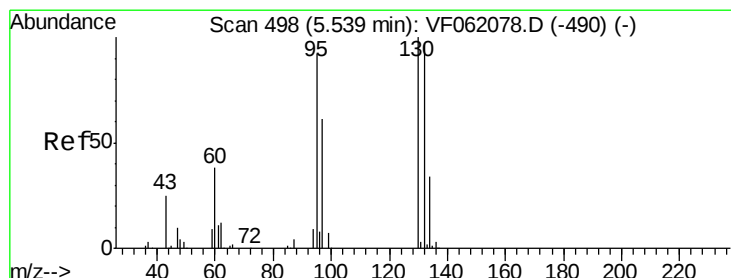
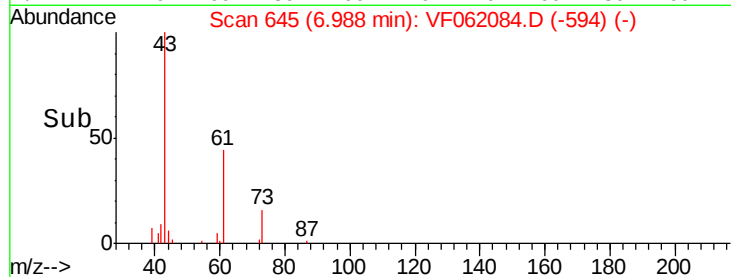
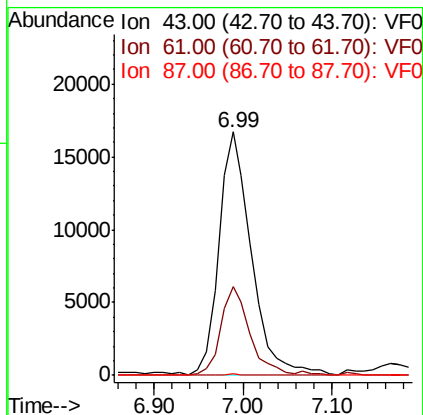
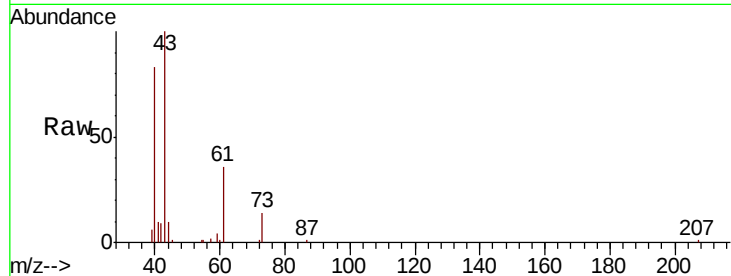


#43

Isopropyl Acetate
 Concen: 19.648 ug/l
 RT: 6.99 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

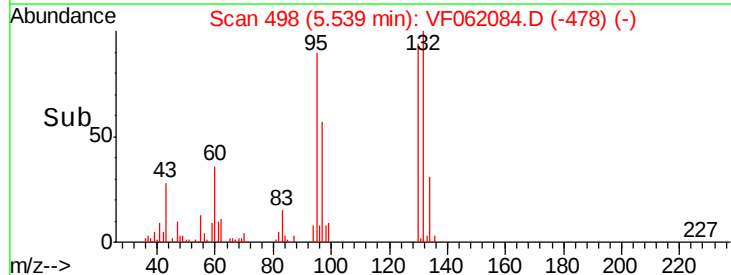
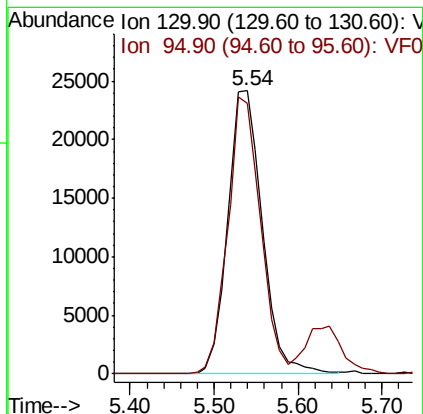
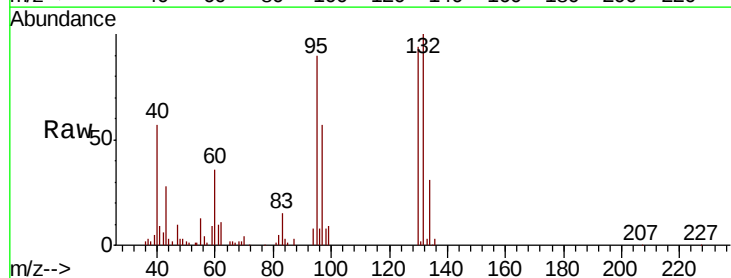
Tot Ion: 43 Resp: 42525
 Ion Ratio Lower Upper
 43 100
 61 36.2 27.0 40.4
 87 0.8 0.4 0.6#

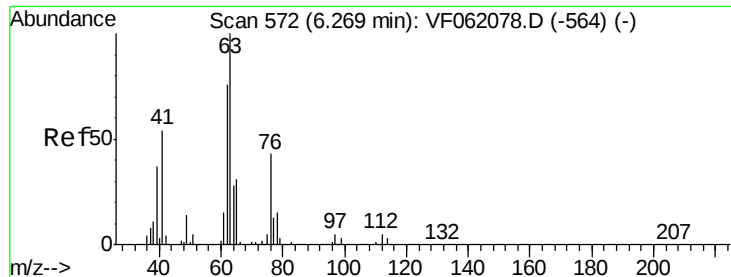


#44

Trichloroethene
 Concen: 20.576 ug/l
 RT: 5.54 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion: 130 Resp: 68964
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 183.4





#45

1,2-Dichloropropane

Concen: 19.994 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

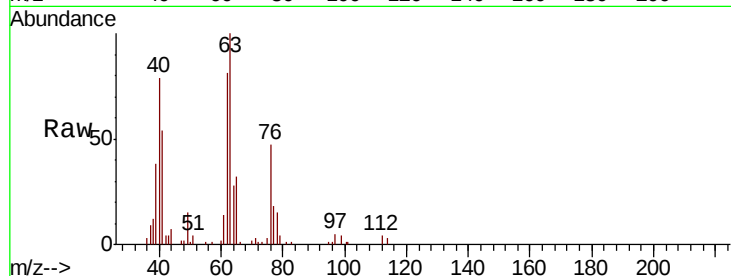
VF0322SBSD01

Tot Ion: 63 Resp: 52279

Ion Ratio Lower Upper

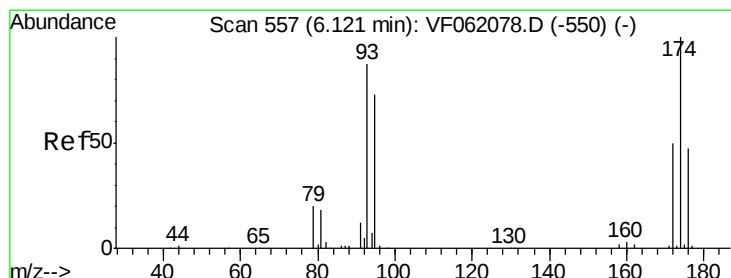
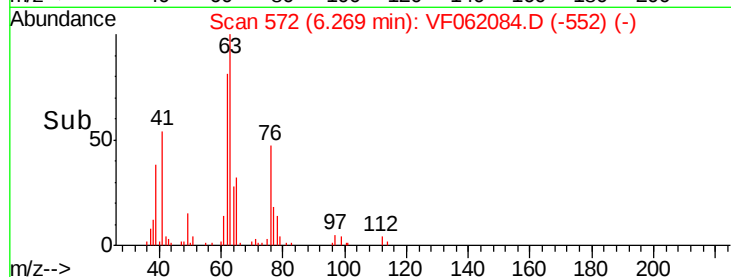
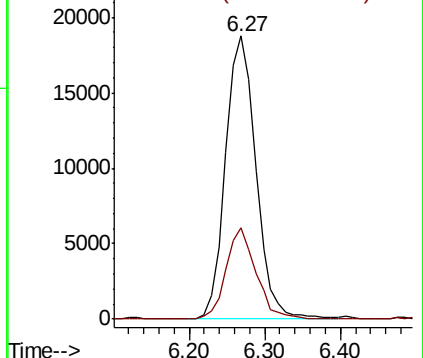
63 100

65 32.1 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 18.378 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

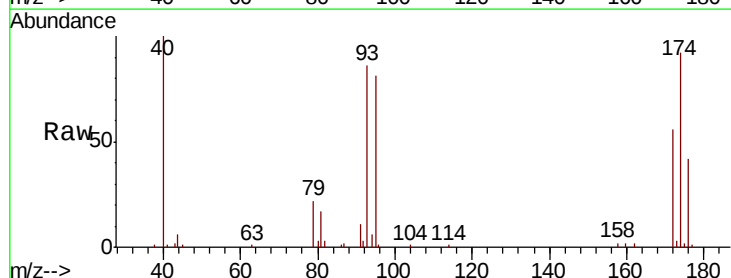
Tgt Ion: 93 Resp: 29382

Ion Ratio Lower Upper

93 100

95 95.0 67.4 101.2

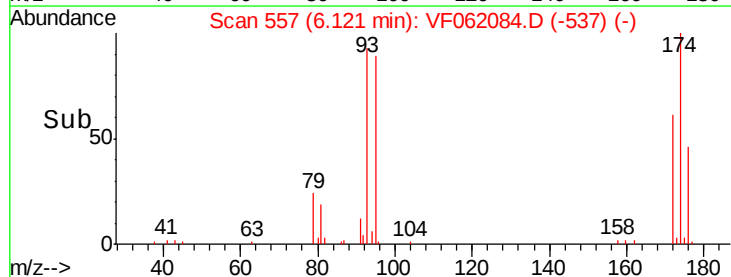
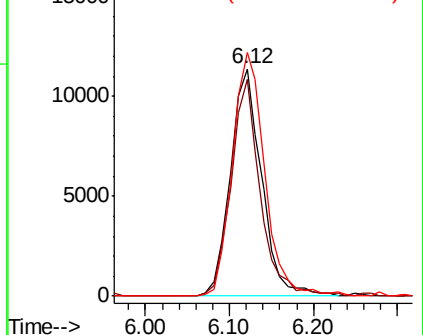
174 107.0 92.0 138.0

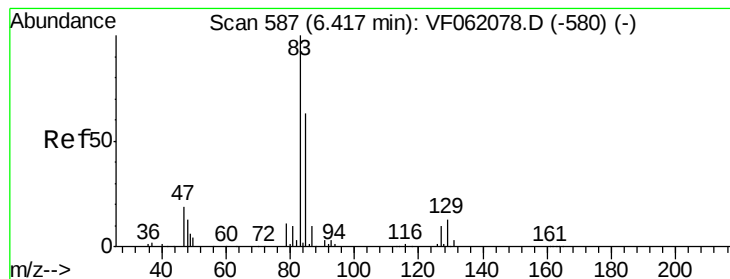


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.463 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

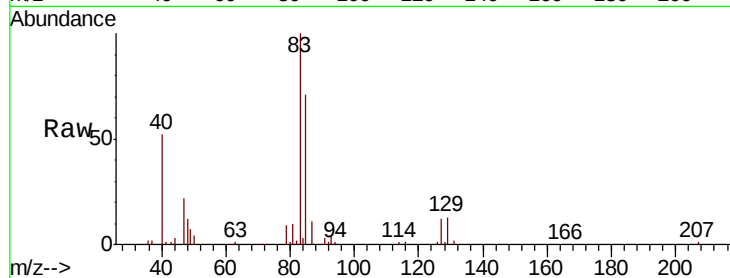
Tot Ion: 83 Resp: 68922

Ion Ratio Lower Upper

83 100

85 71.1 50.7 76.1

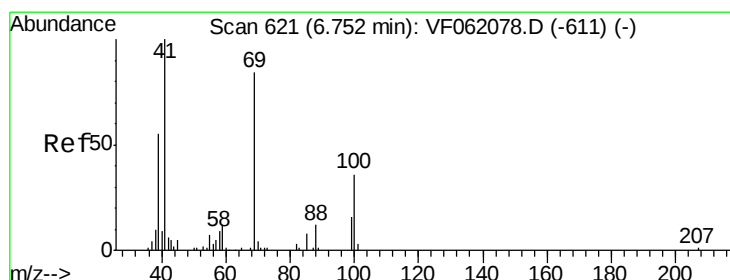
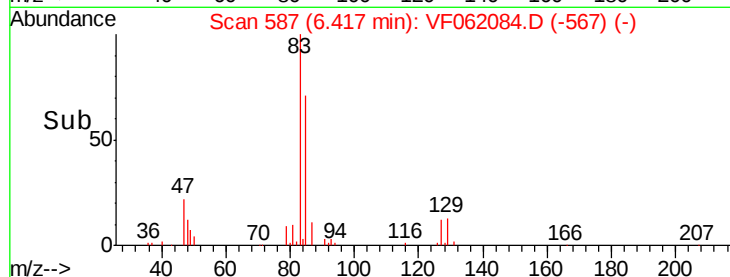
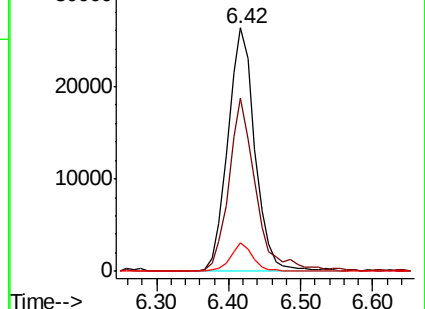
127 11.7 7.8 11.6#



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: 19.459 ug/l

RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

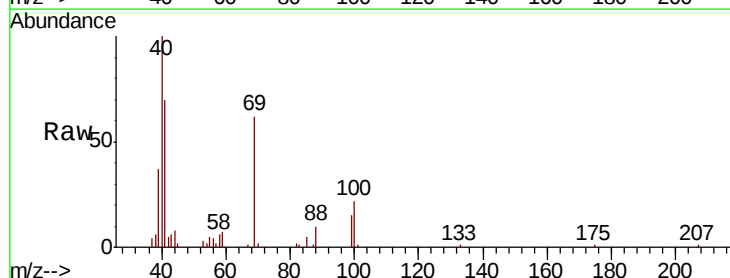
Tgt Ion: 41 Resp: 23980

Ion Ratio Lower Upper

41 100

69 89.1 66.6 100.0

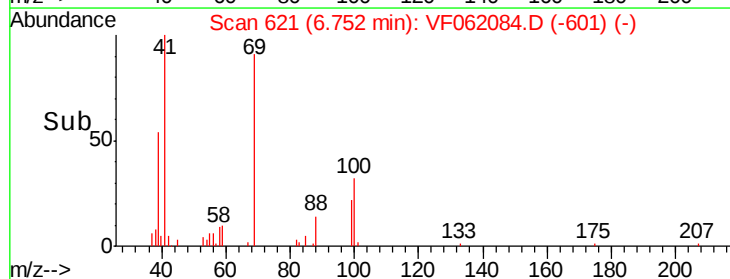
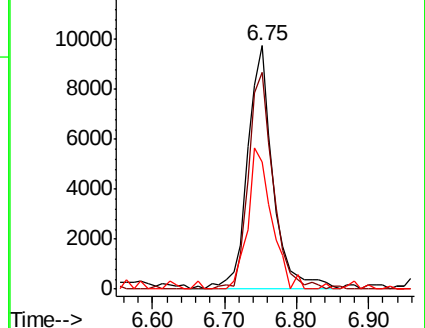
39 52.2 43.6 65.4

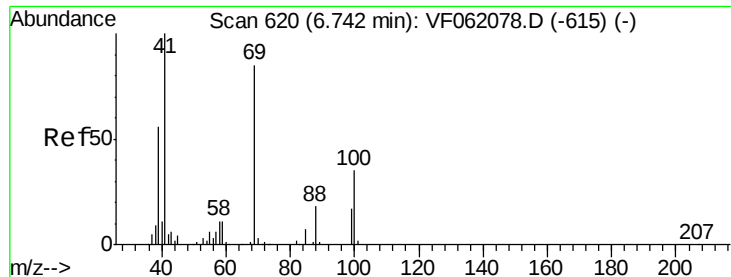


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 430.489 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

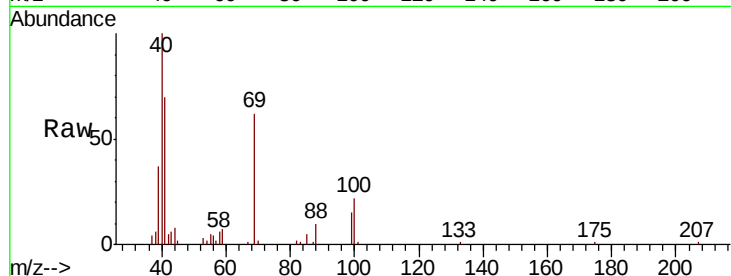
Tot Ion: 88 Resp: 4655

Ion Ratio Lower Upper

88 100

43 63.9 35.0 52.4#

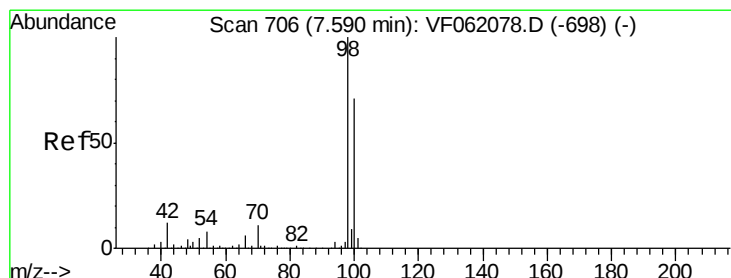
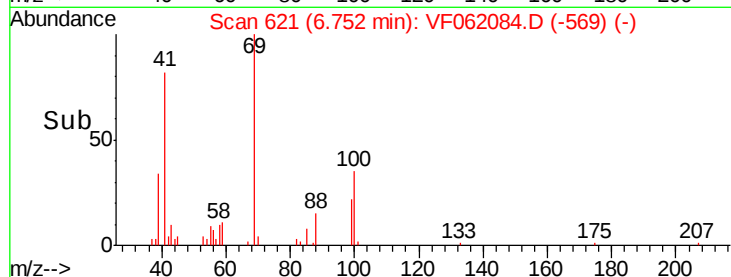
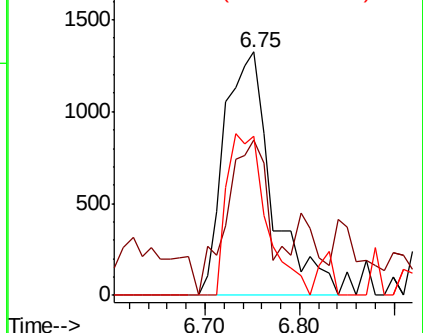
58 65.4 49.9 74.9



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: 51.765 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF062084.D

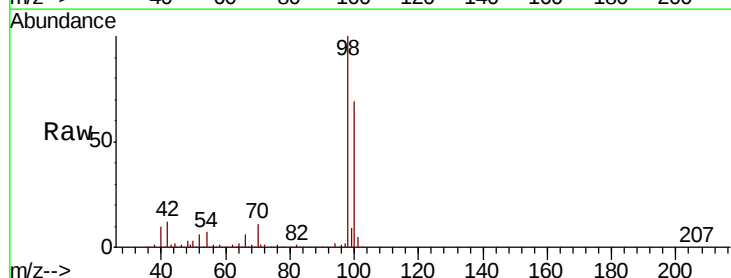
Acq: 22 Mar 2019 15:56

Tgt Ion: 98 Resp: 448767

Ion Ratio Lower Upper

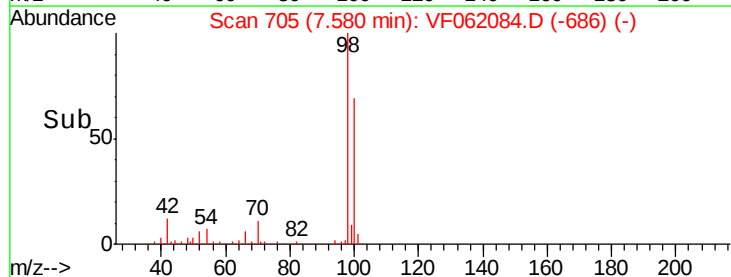
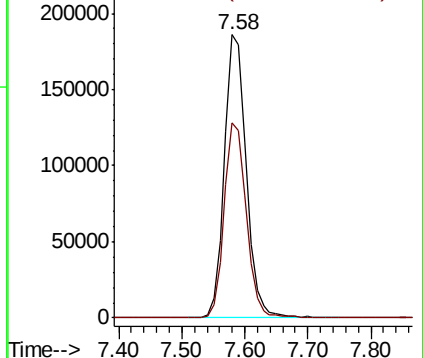
98 100

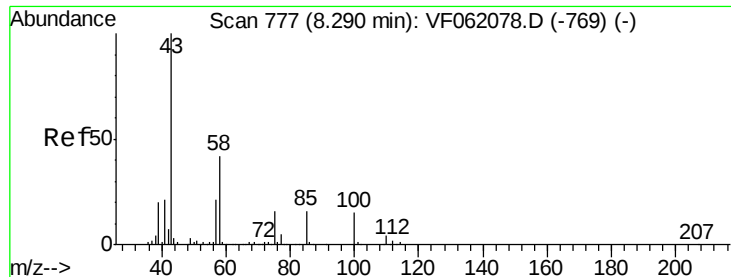
100 69.1 57.0 85.6



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: 103.403 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

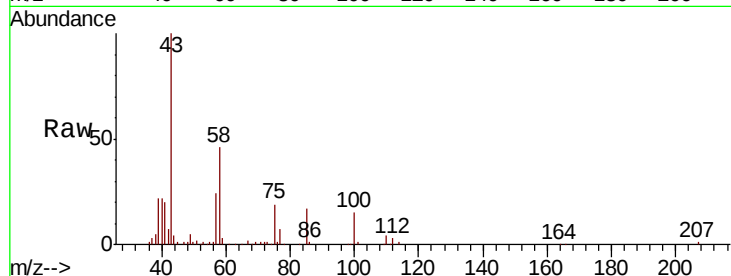
VF0322SBS01

Tot Ion: 43 Resp: 149793

Ion Ratio Lower Upper

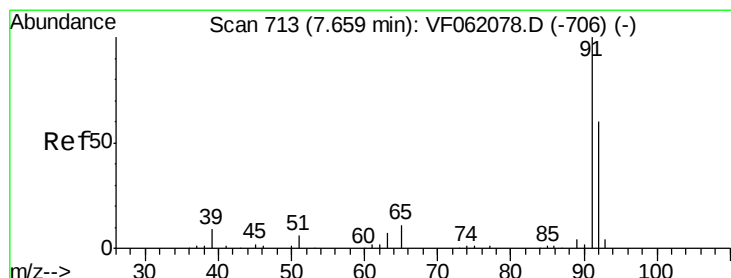
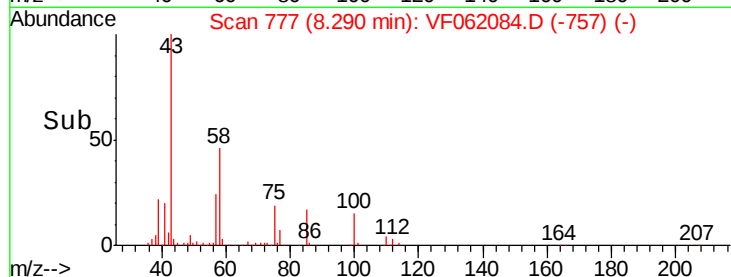
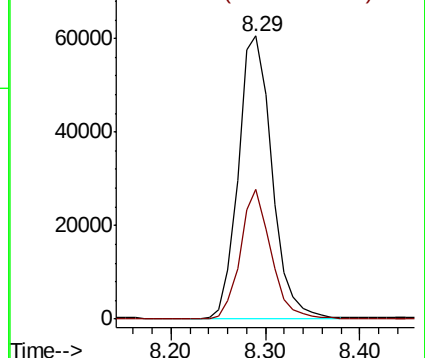
43 100

58 45.7 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: 20.233 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF062084.D

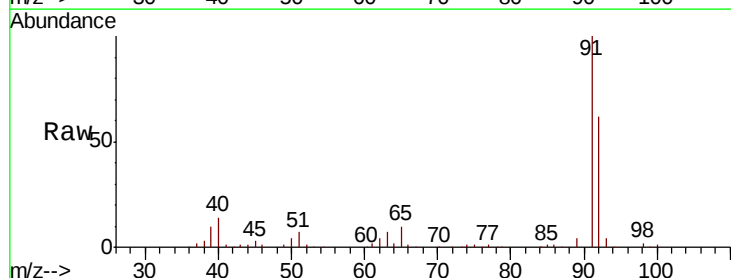
Acq: 22 Mar 2019 15:56

Tgt Ion: 92 Resp: 128474

Ion Ratio Lower Upper

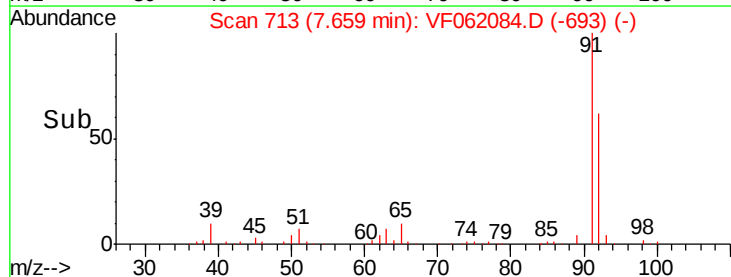
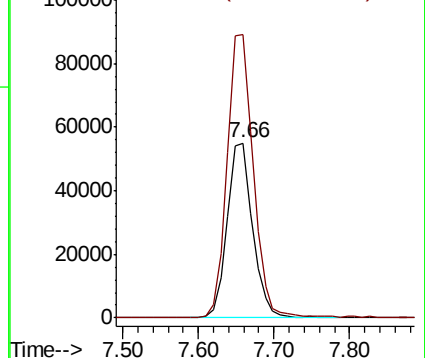
92 100

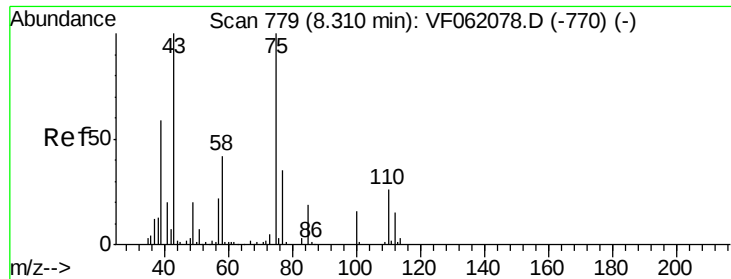
91 161.8 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

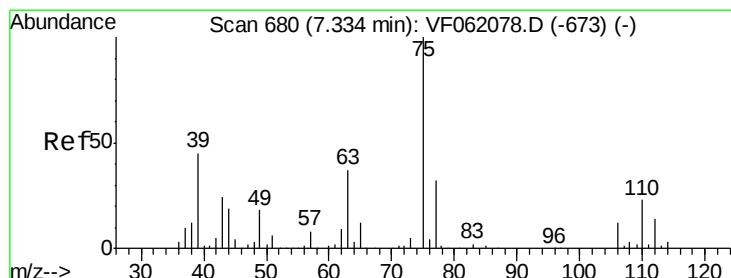
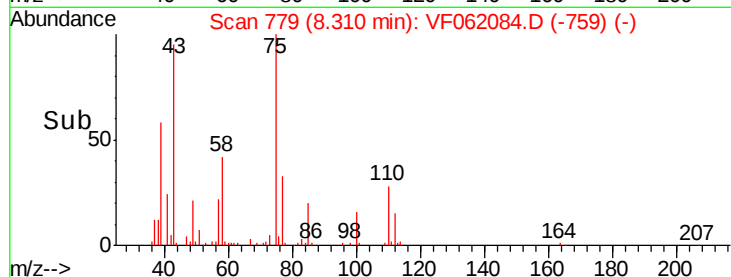
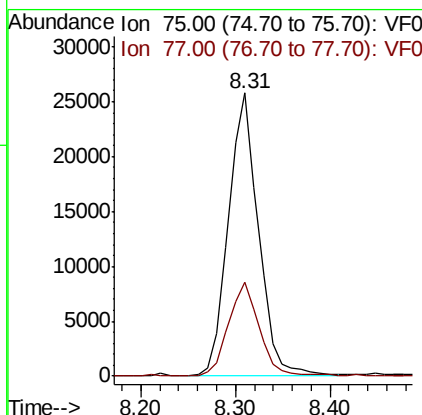
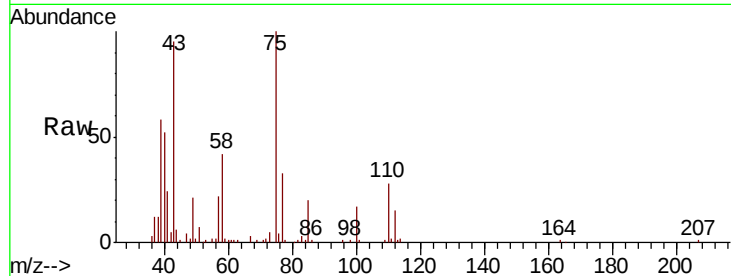




#53
t-1,3-Dichloropropene
Concen: 20.511 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

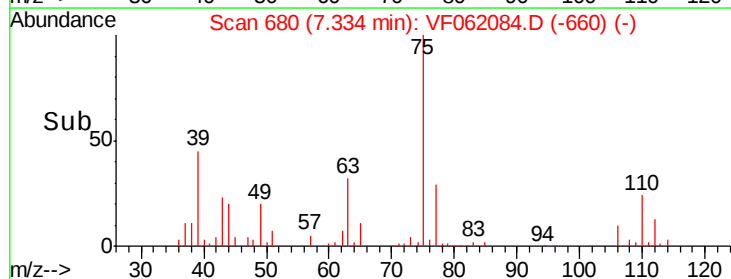
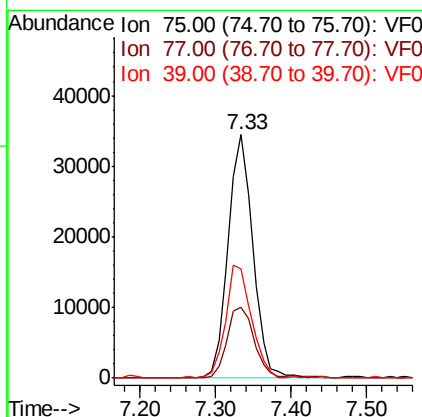
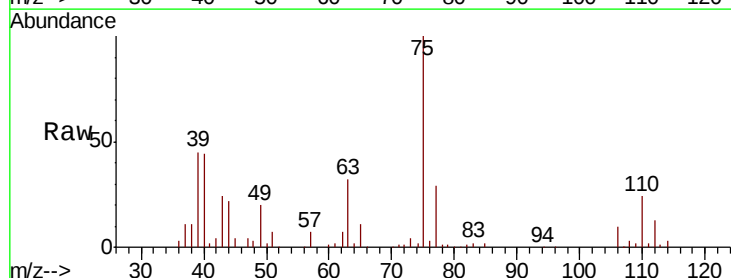
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

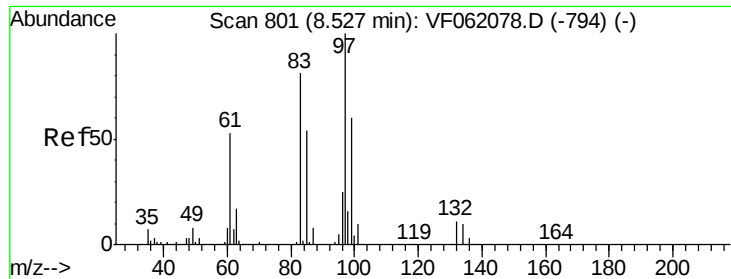
Tot Ion: 75 Resp: 57020
Ion Ratio Lower Upper
75 100
77 33.1 28.0 42.0



#54
cis-1,3-Dichloropropene
Concen: 19.651 ug/l
RT: 7.33 min Scan# 680
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 75 Resp: 78163
Ion Ratio Lower Upper
75 100
77 29.1 25.8 38.6
39 45.1 35.9 53.9

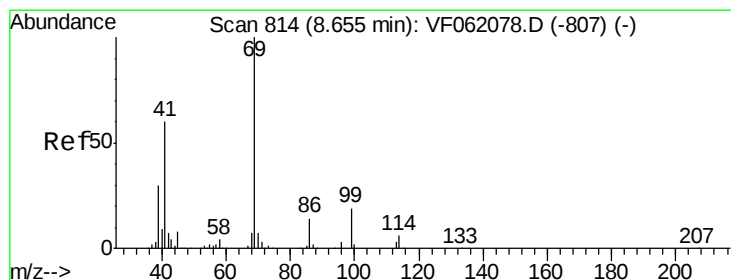
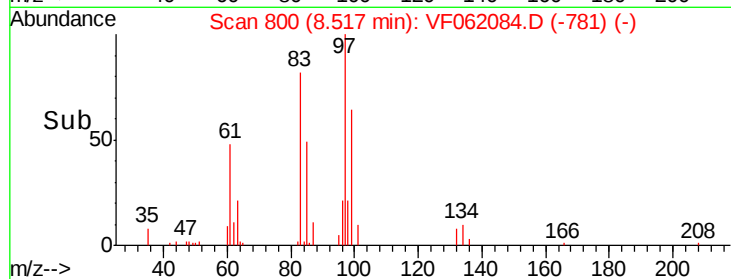
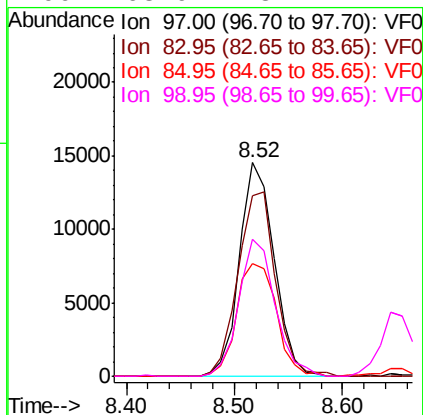
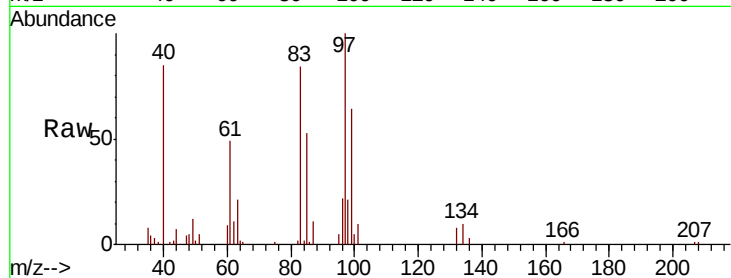




#55
 1,1,2-Trichloroethane
 Concen: 18.140 ug/l
 RT: 8.52 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

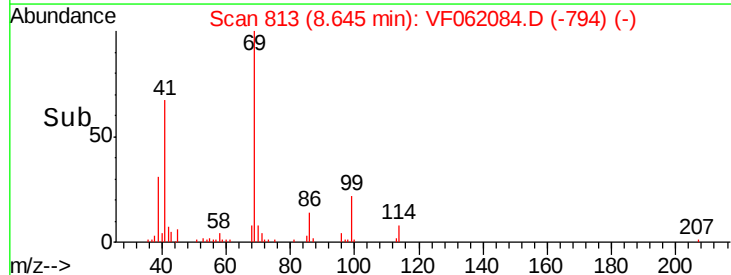
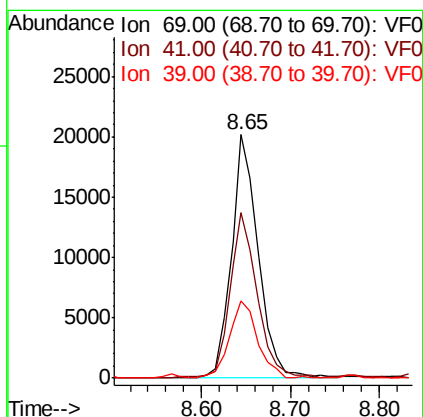
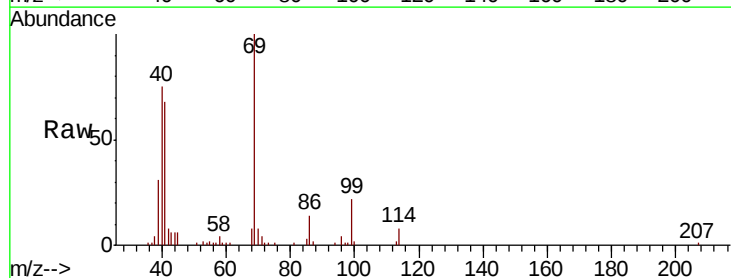
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

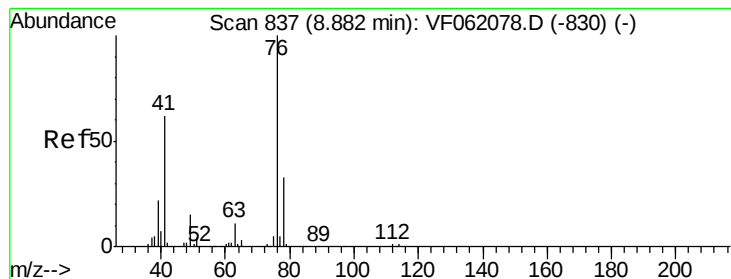
Tot Ion:	97	Resp:	32717
Ion	Ratio	Lower	Upper
97	100		
83	84.3	64.6	97.0
85	53.0	43.6	65.4
99	63.9	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 19.775 ug/l
 RT: 8.65 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion:	69	Resp:	42536
Ion	Ratio	Lower	Upper
69	100		
41	67.8	48.2	72.2
39	31.5	24.0	36.0





#57

1,3-Dichloropropane

Concen: 19.215 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

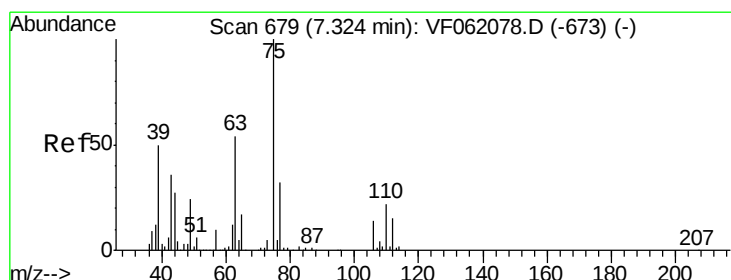
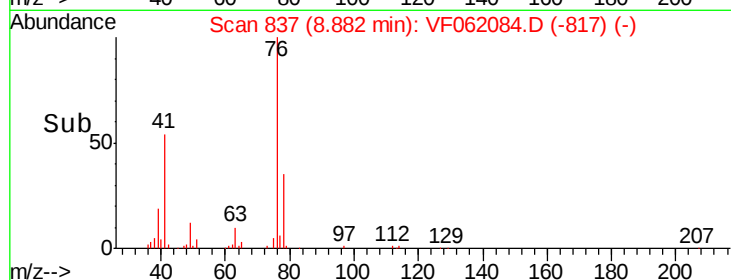
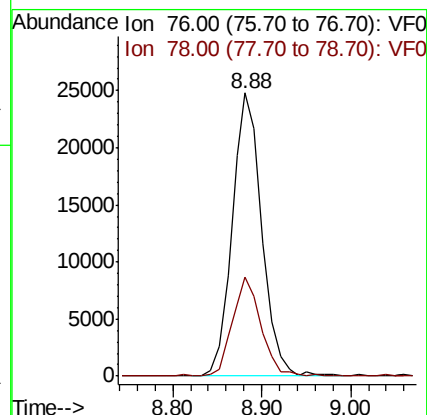
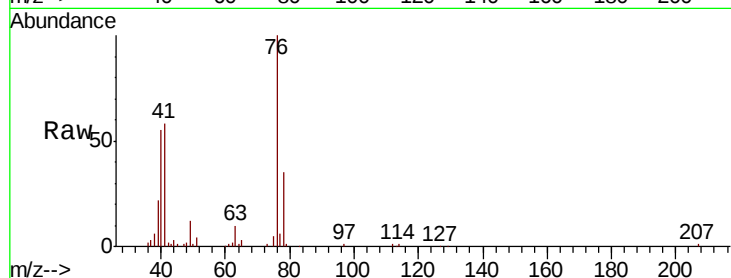
VF0322SBSD01

Tot Ion: 76 Resp: 57519

Ion Ratio Lower Upper

76 100

78 35.1 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.855 ug/l

RT: 7.32 min Scan# 679

Delta R.T. -0.00 min

Lab File: VF062084.D

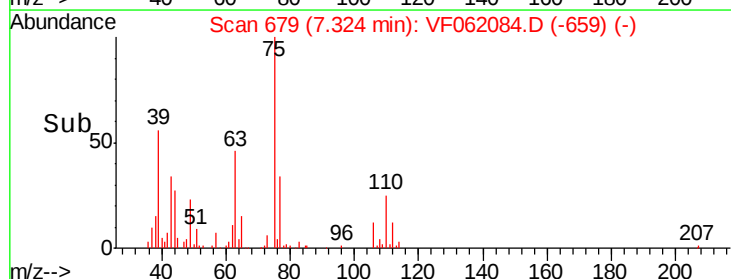
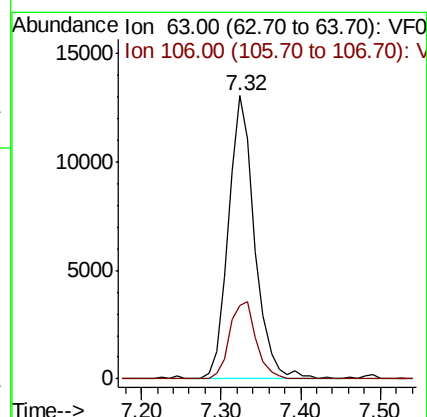
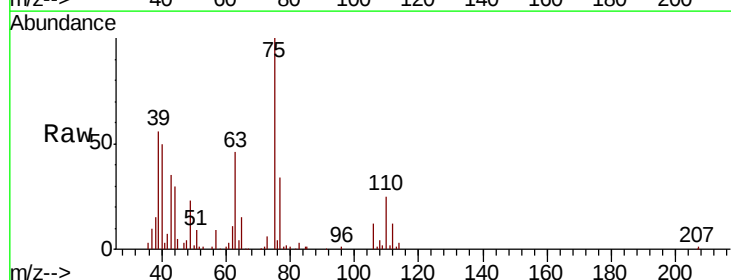
Acq: 22 Mar 2019 15:56

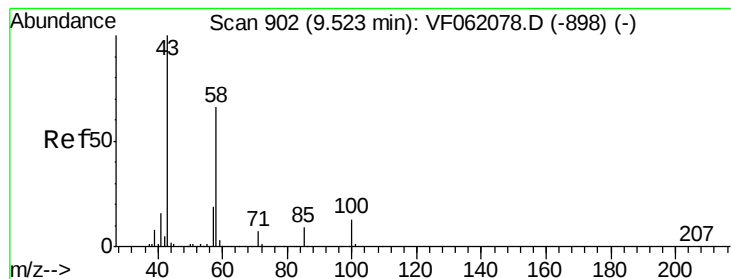
Tgt Ion: 63 Resp: 30308

Ion Ratio Lower Upper

63 100

106 25.9 21.5 32.3





#59

2-Hexanone

Concen: 101.924 ug/l

RT: 9.52 min Scan# 902

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

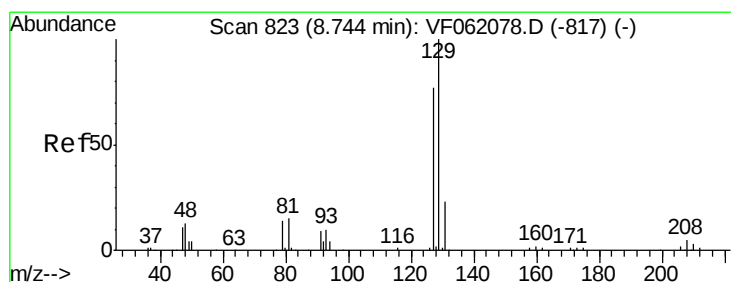
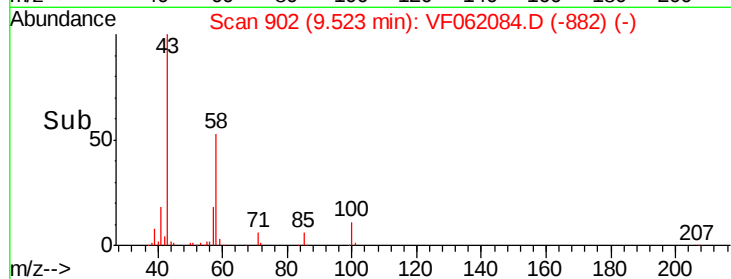
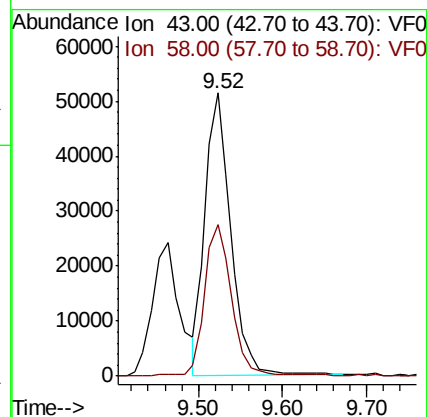
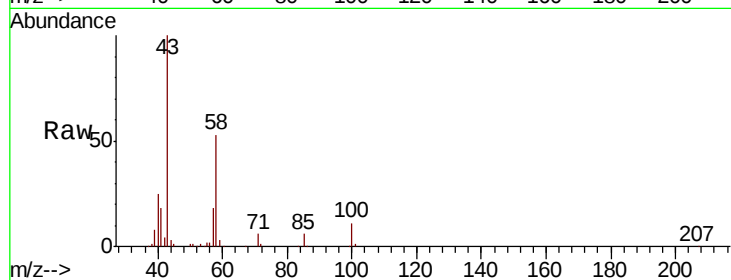
VF0322SBSD01

Tot Ion: 43 Resp: 108214

Ion Ratio Lower Upper

43 100

58 53.3 28.8 86.4



#60

Dibromochloromethane

Concen: 19.237 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062084.D

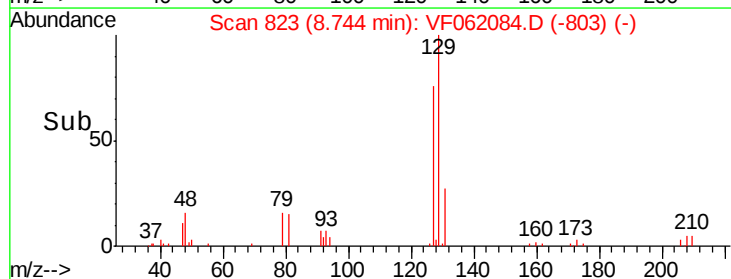
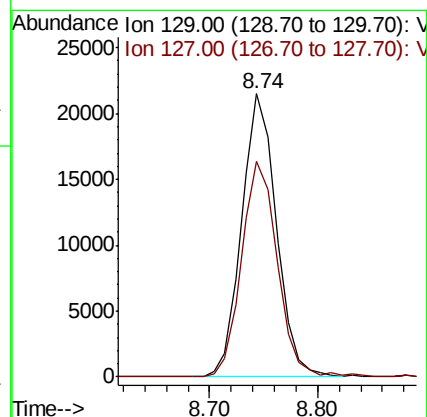
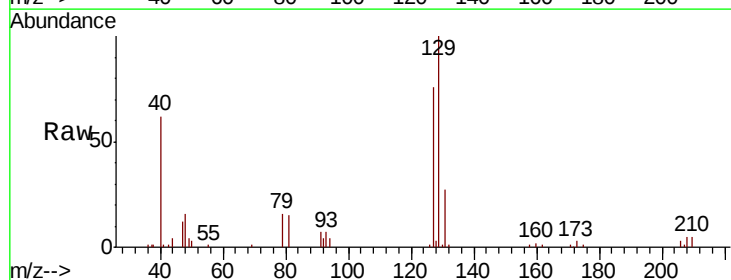
Acq: 22 Mar 2019 15:56

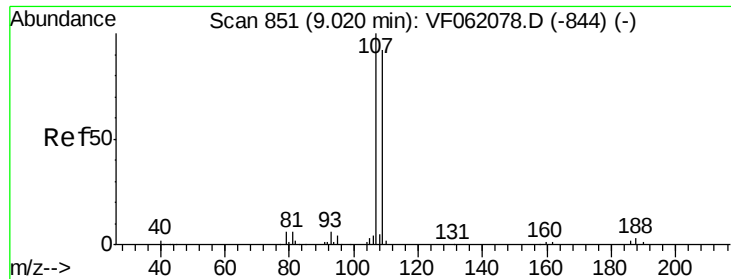
Tgt Ion: 129 Resp: 48234

Ion Ratio Lower Upper

129 100

127 76.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.446 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

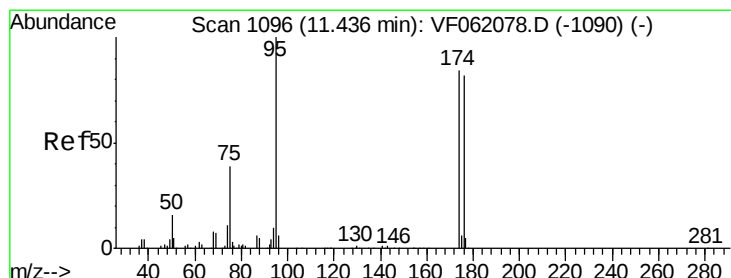
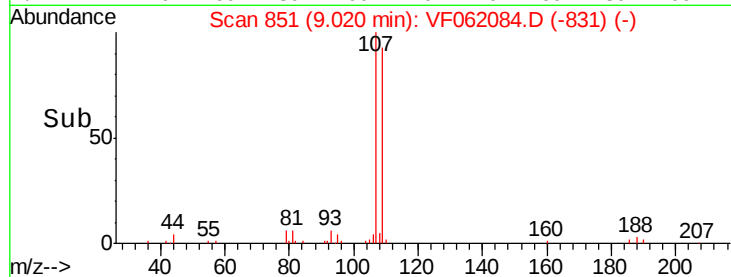
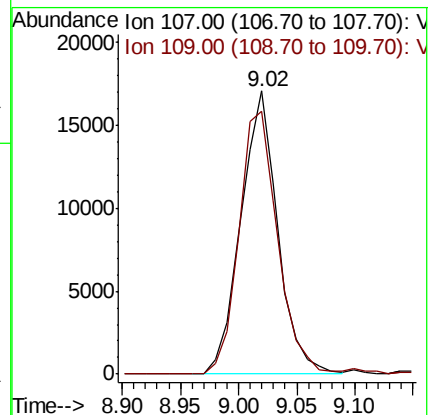
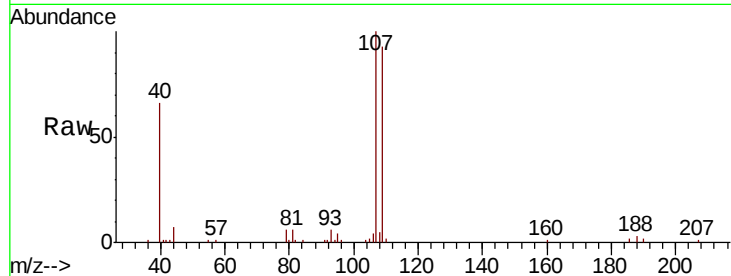
VF0322SBSD01

Tot Ion:107 Resp: 37419

Ion Ratio Lower Upper

107 100

109 93.0 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 51.977 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

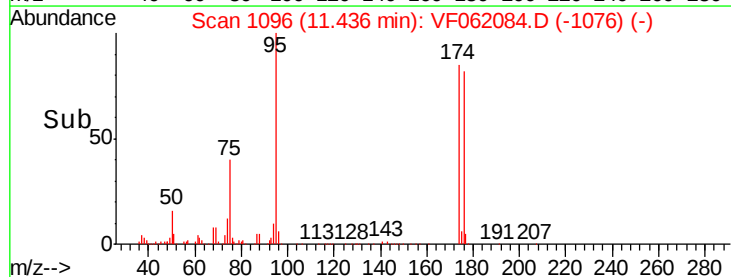
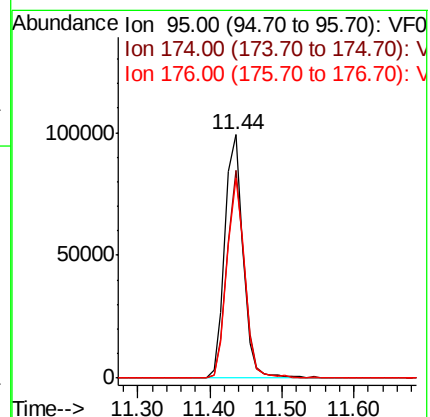
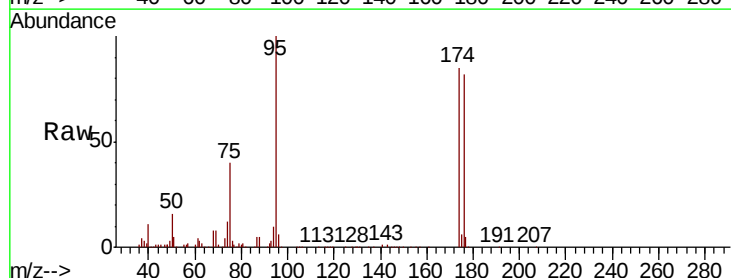
Tgt Ion: 95 Resp: 173958

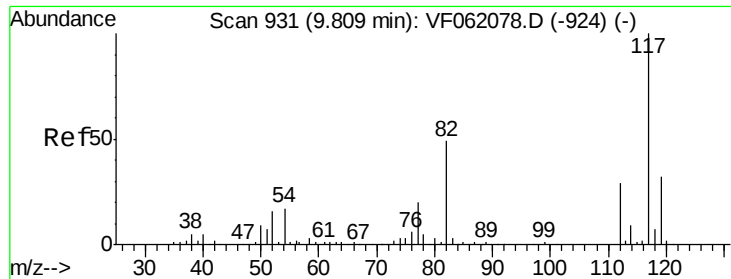
Ion Ratio Lower Upper

95 100

174 85.3 0.0 168.2

176 82.1 0.0 164.2

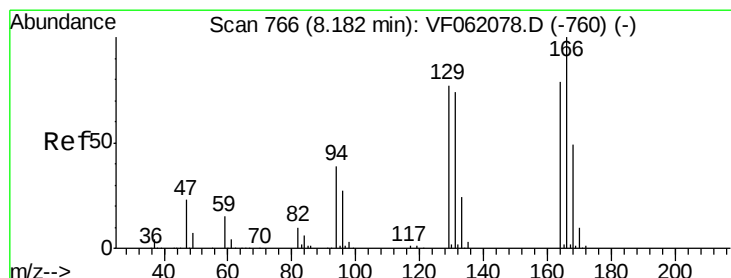
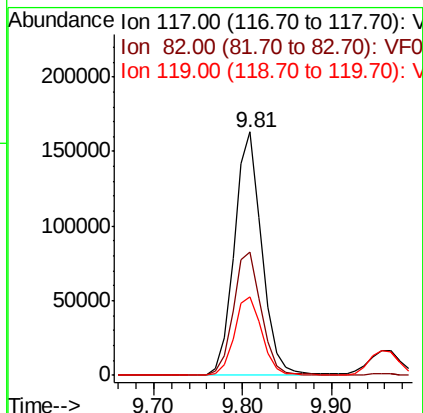
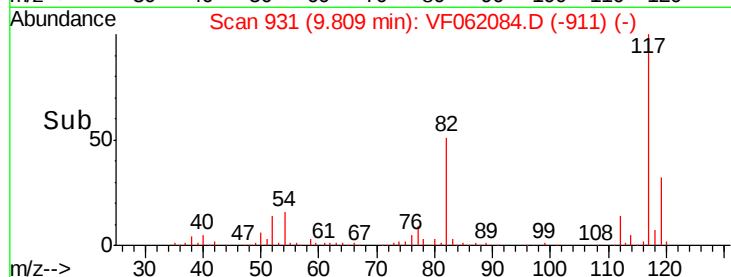
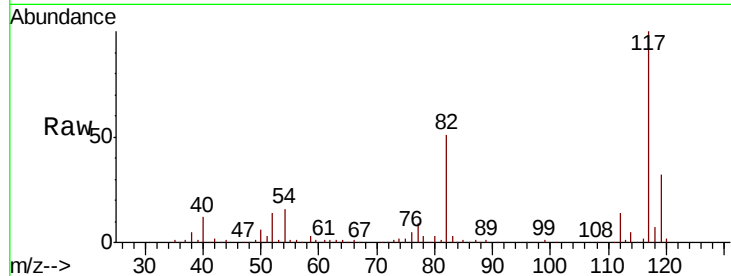




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

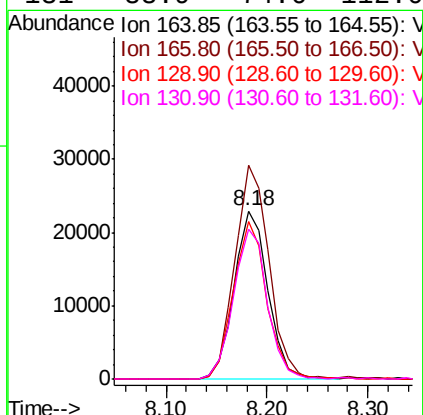
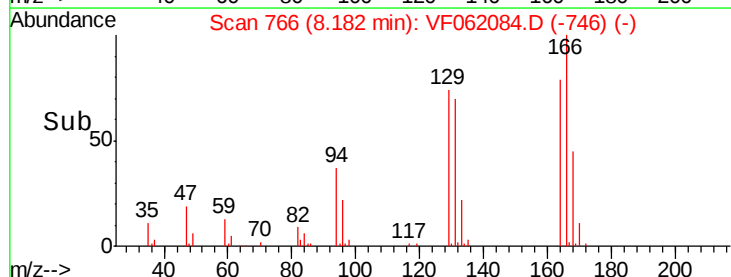
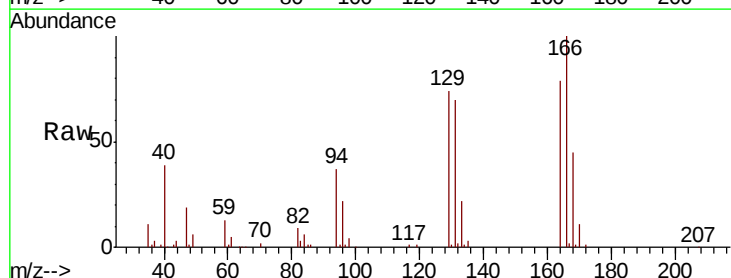
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

Tot Ion:117 Resp: 351709
Ion Ratio Lower Upper
117 100
82 50.8 39.2 58.8
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 19.663 ug/l
RT: 8.18 min Scan# 766
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:164 Resp: 53430
Ion Ratio Lower Upper
164 100
166 127.0 100.9 151.3
129 93.8 77.9 116.9
131 88.9 74.6 112.0

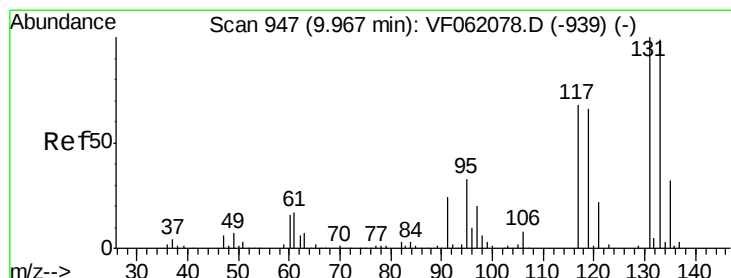
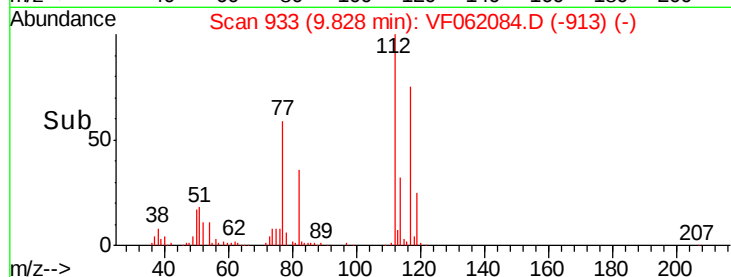
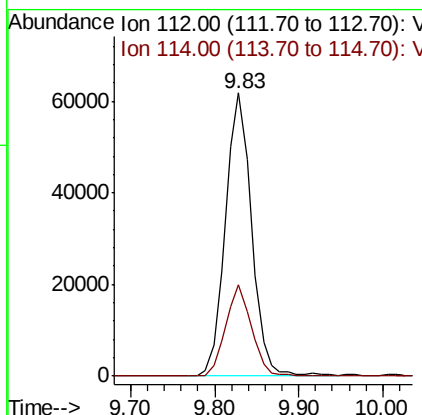
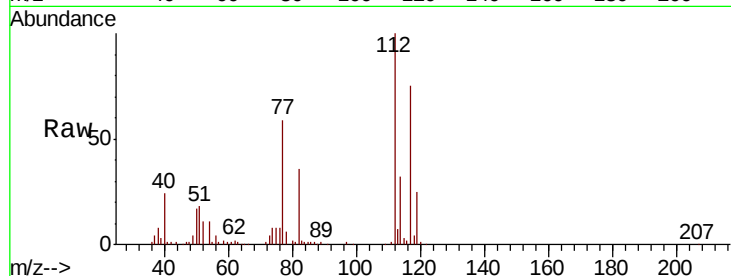




#65
Chlorobenzene
Concen: 20.287 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

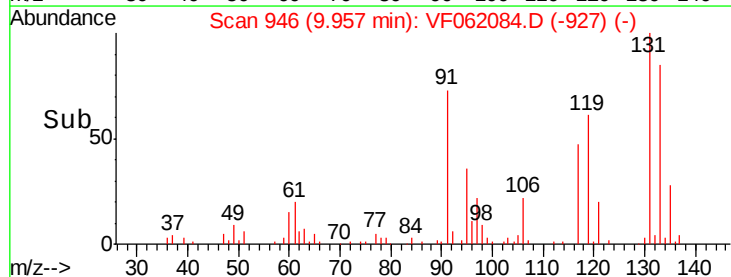
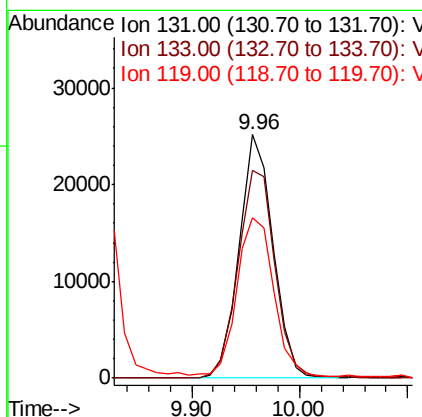
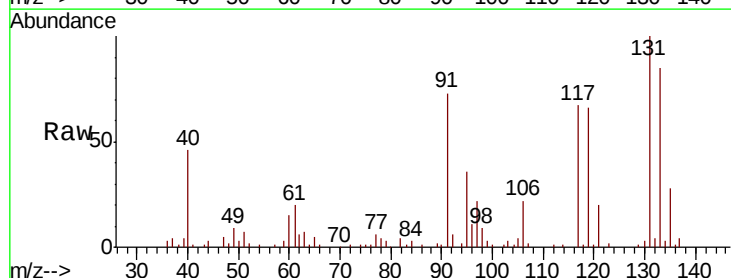
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

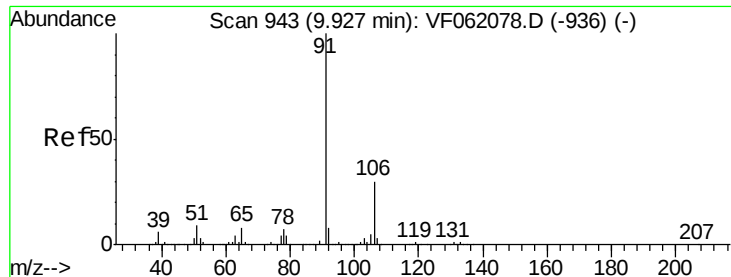
Tot Ion:112 Resp: 133502
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.655 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:131 Resp: 54599
Ion Ratio Lower Upper
131 100
133 85.2 49.3 147.8
119 66.0 33.5 100.4





#67

Ethyl Benzene

Concen: 20.915 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

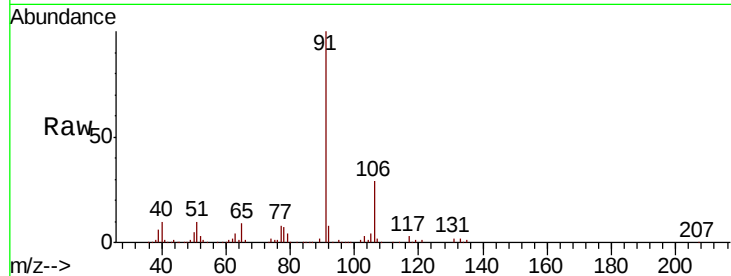
VF0322SBSD01

Tot Ion: 91 Resp: 239359

Ion Ratio Lower Upper

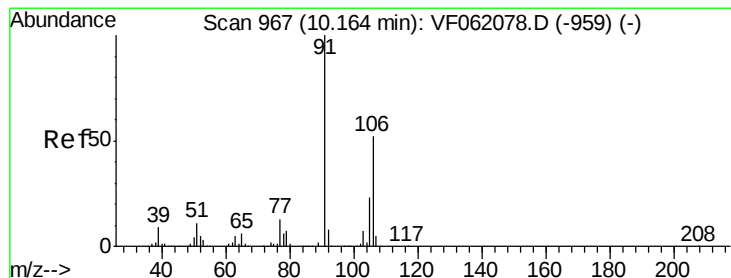
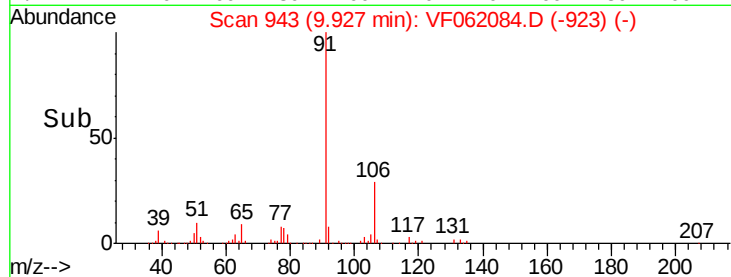
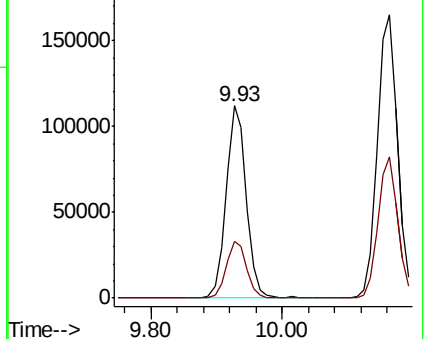
91 100

106 29.3 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.992 ug/l

RT: 10.16 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062084.D

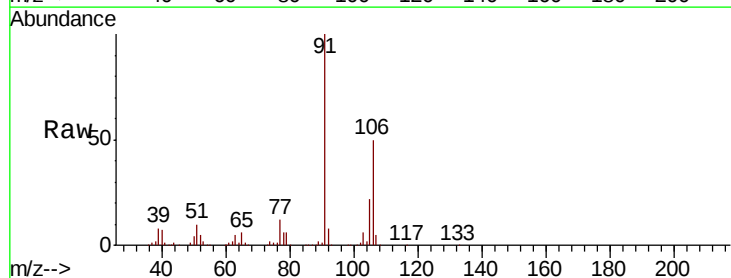
Acq: 22 Mar 2019 15:56

Tgt Ion: 106 Resp: 175340

Ion Ratio Lower Upper

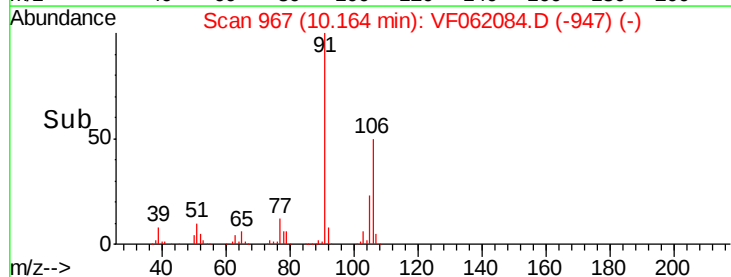
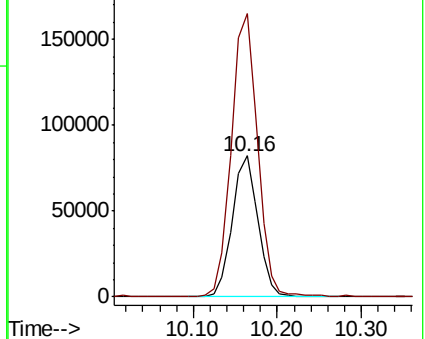
106 100

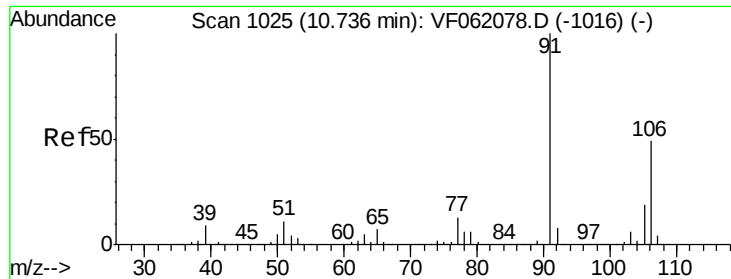
91 200.6 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

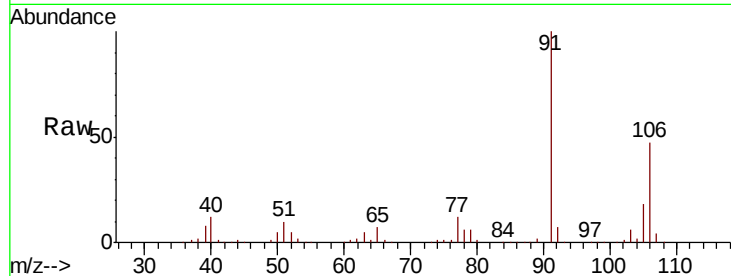




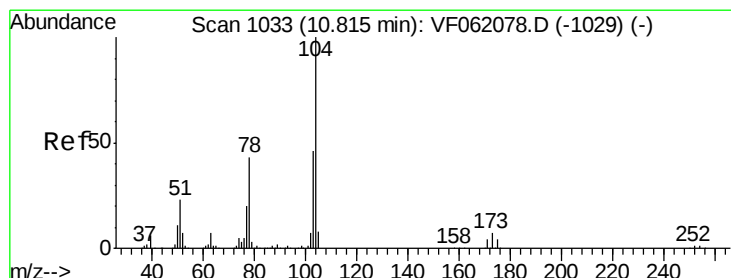
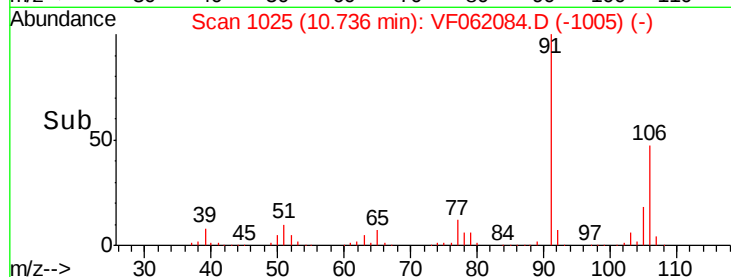
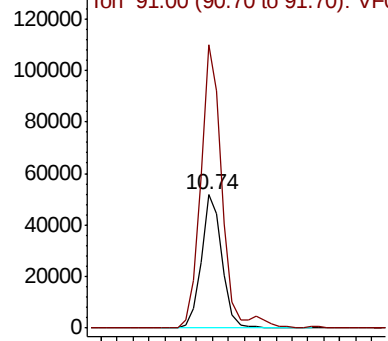
#69
o-Xylene
Concen: 21.224 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

Tot Ion:106 Resp: 95086
Ion Ratio Lower Upper
106 100
91 212.2 102.6 307.8

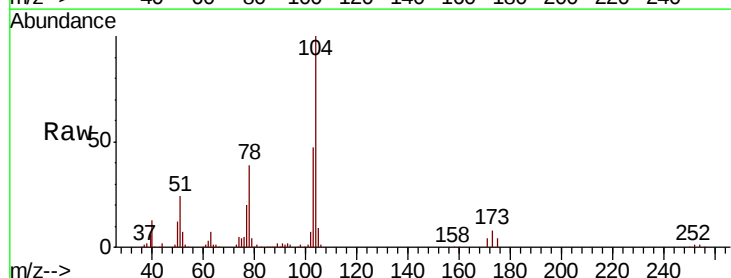


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

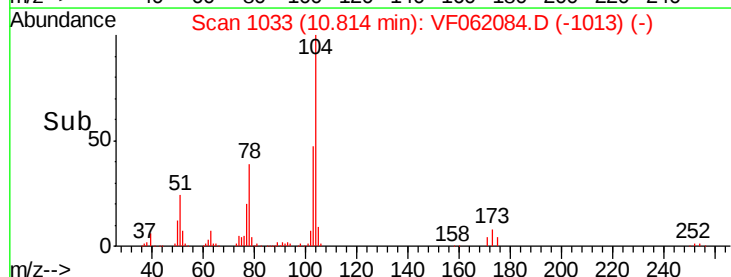
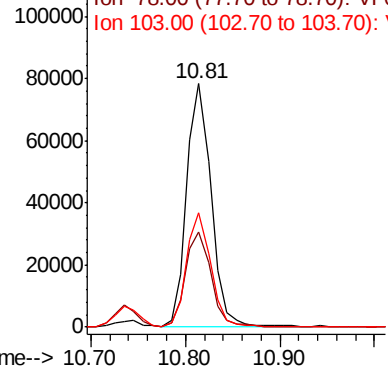


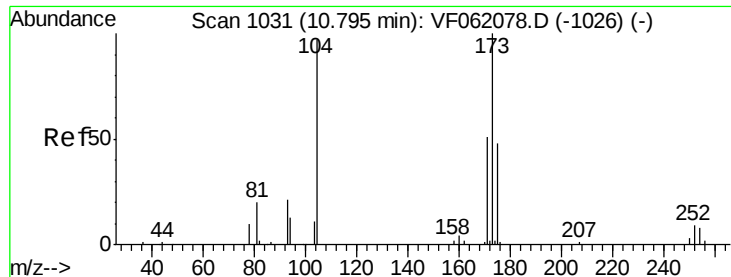
#70
Styrene
Concen: 20.830 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:104 Resp: 141394
Ion Ratio Lower Upper
104 100
78 38.9 34.3 51.5
103 47.1 36.9 55.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.726 ug/l

RT: 10.79 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

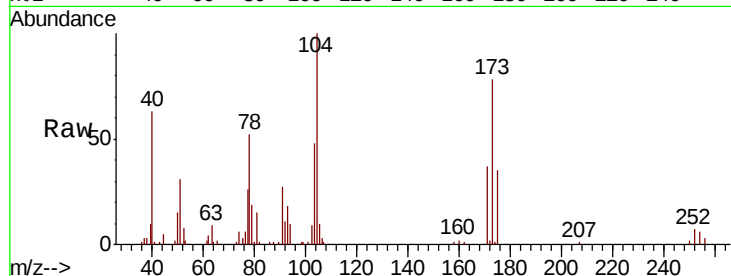
Tot Ion:173 Resp: 25319

Ion Ratio Lower Upper

173 100

175 44.2 24.1 72.4

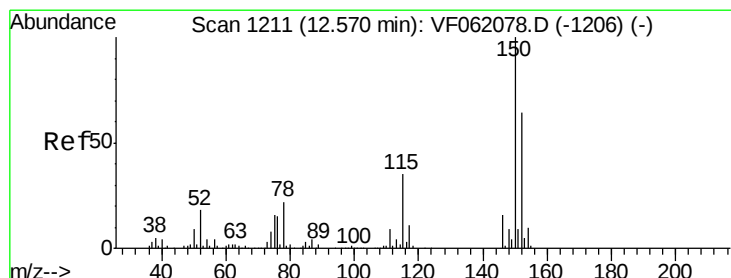
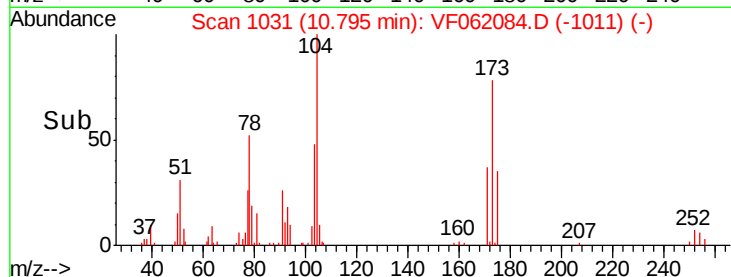
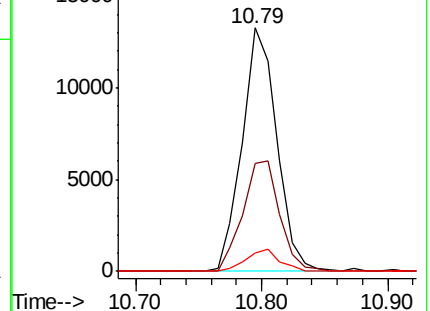
254 7.6 6.2 9.4



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: VF062084.D

Acq: 22 Mar 2019 15:56

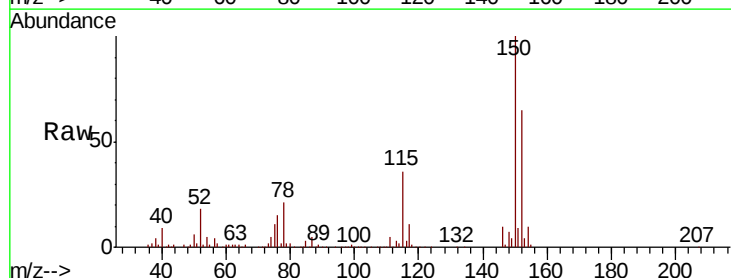
Tgt Ion:152 Resp: 189068

Ion Ratio Lower Upper

152 100

115 55.3 27.7 83.1

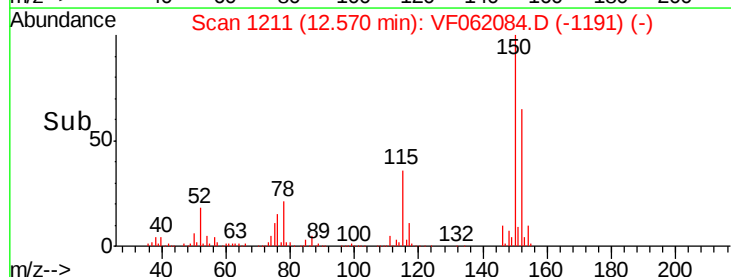
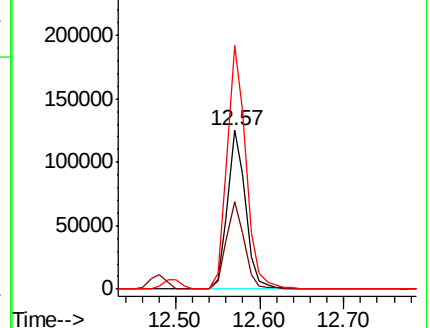
150 153.1 0.0 313.2

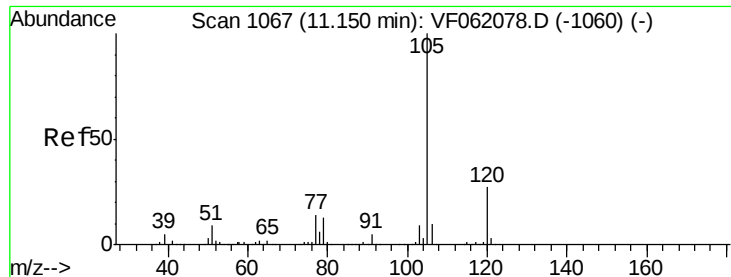


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.044 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

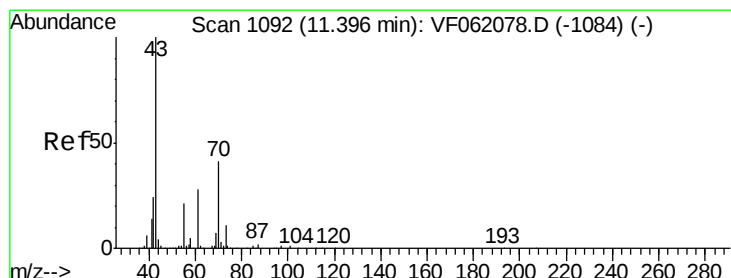
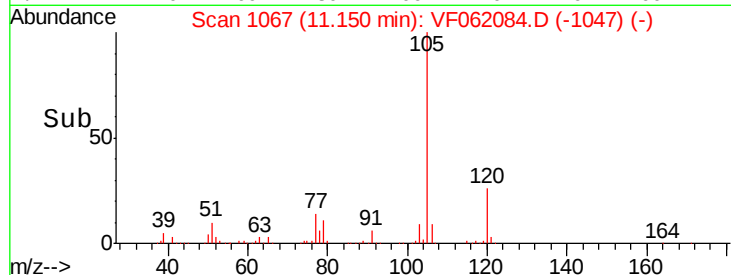
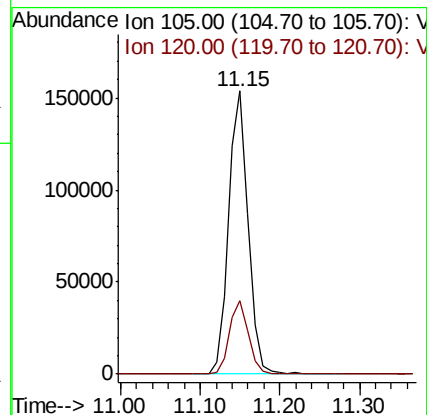
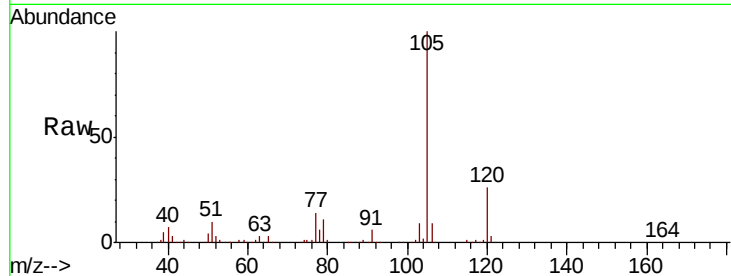
VF0322SBSD01

Tot Ion:105 Resp: 266660

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



#74

N-ethyl acetate

Concen: 20.782 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion: 43 Resp: 65880

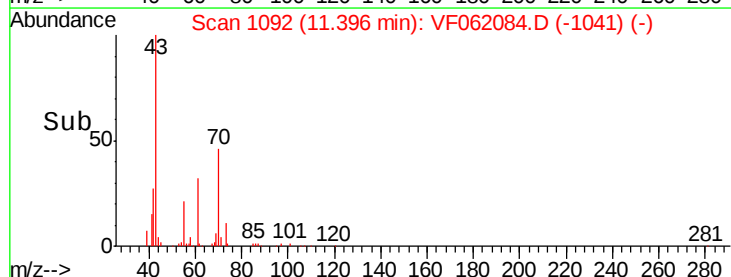
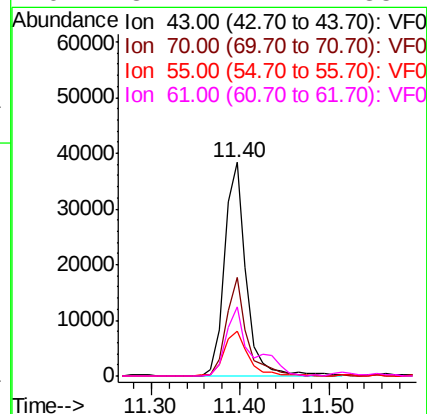
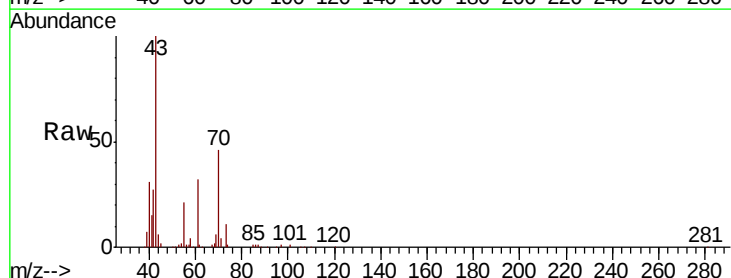
Ion Ratio Lower Upper

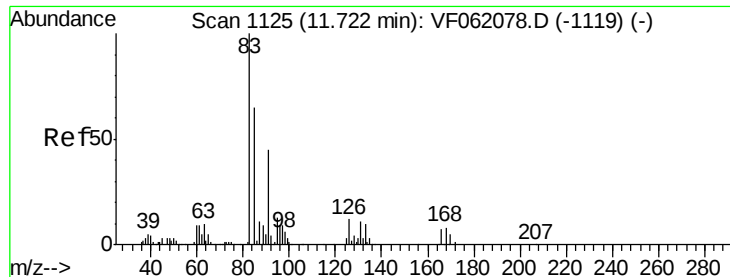
43 100

70 46.3 32.9 49.3

55 21.2 17.1 25.7

61 32.4 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.539 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

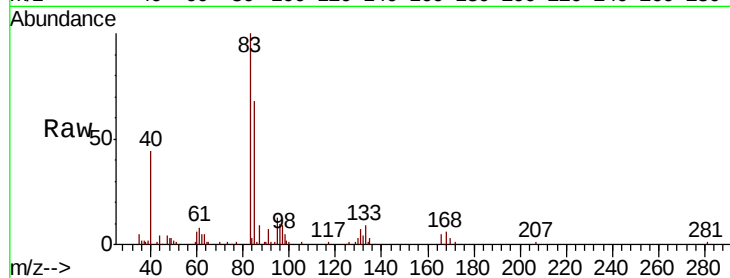
Tot Ion: 83 Resp: 44633

Ion Ratio Lower Upper

83 100

131 7.4 5.3 15.8

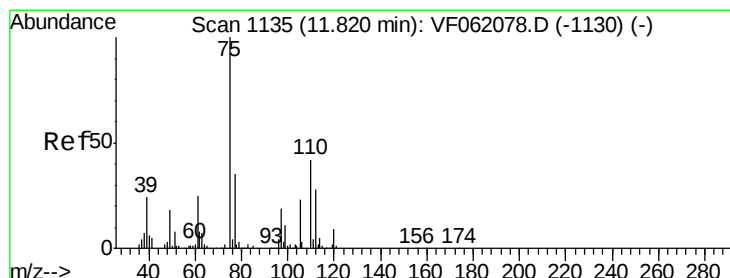
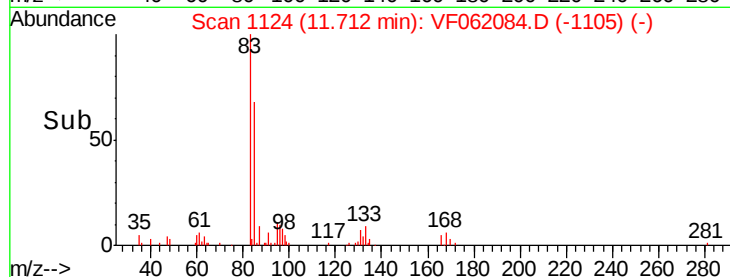
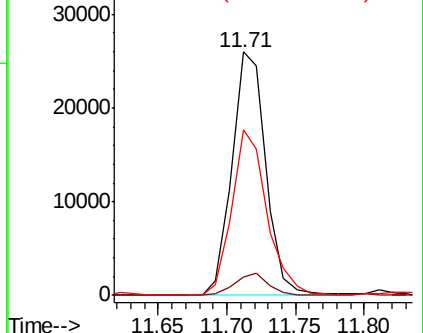
85 68.2 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 17.818 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062084.D

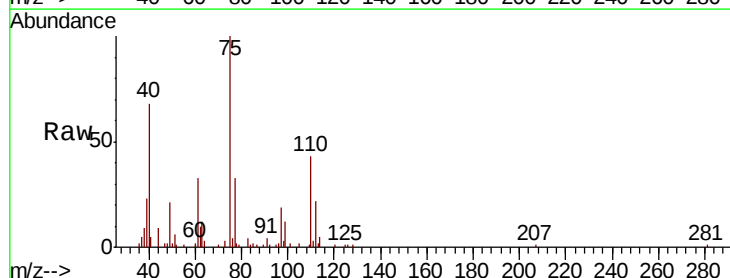
Acq: 22 Mar 2019 15:56

Tgt Ion: 75 Resp: 28645

Ion Ratio Lower Upper

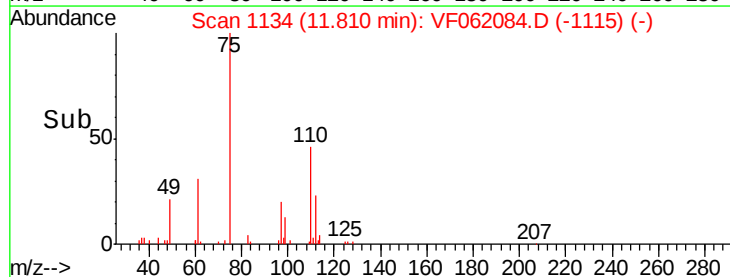
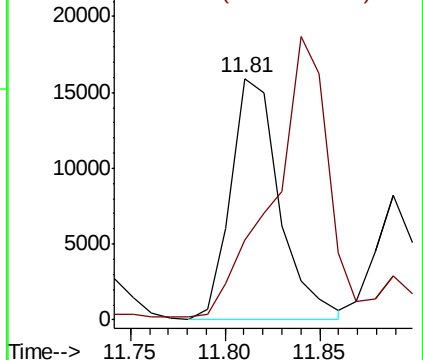
75 100

77 33.1 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 18.925 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

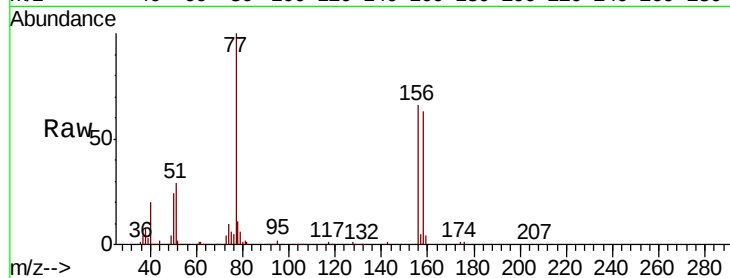
Tot Ion:156 Resp: 61513

Ion Ratio Lower Upper

156 100

77 151.9 61.3 183.9

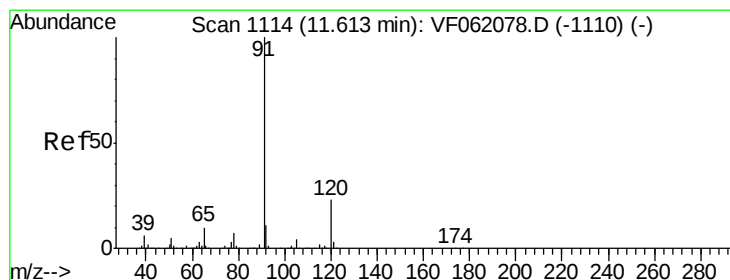
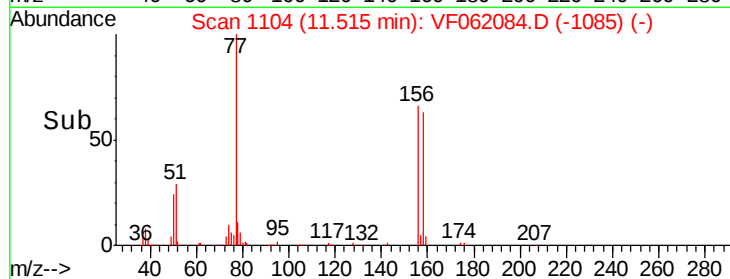
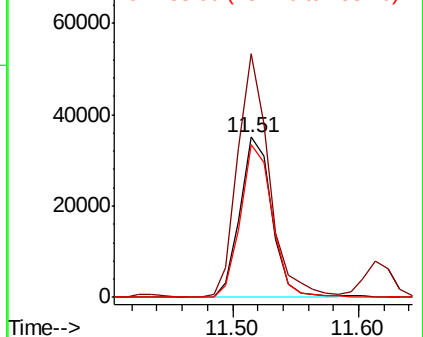
158 95.7 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.811 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF062084.D

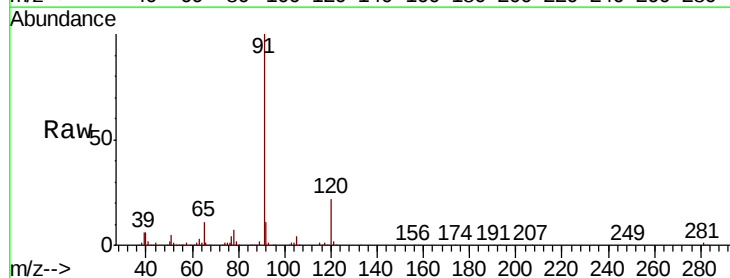
Acq: 22 Mar 2019 15:56

Tgt Ion: 91 Resp: 321497

Ion Ratio Lower Upper

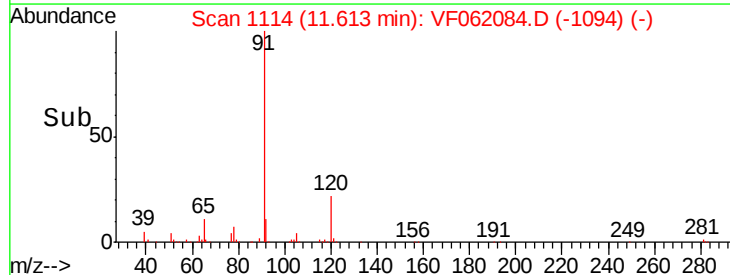
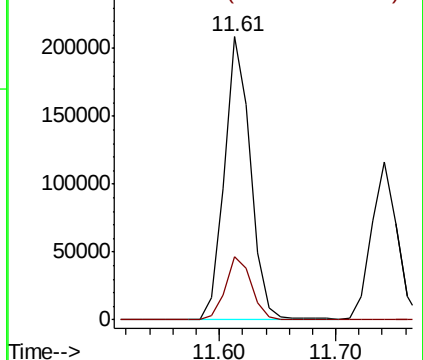
91 100

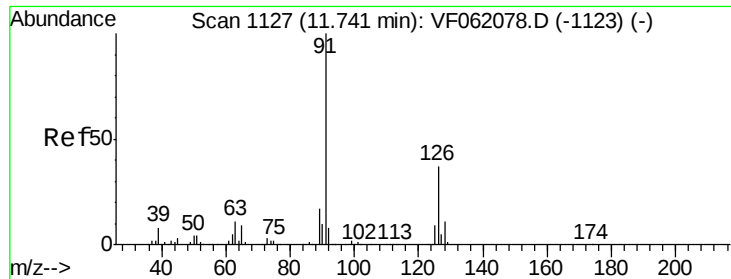
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

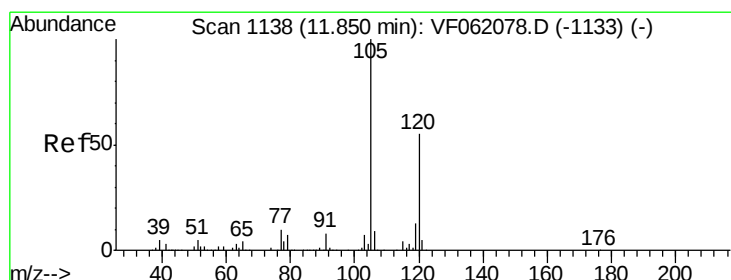
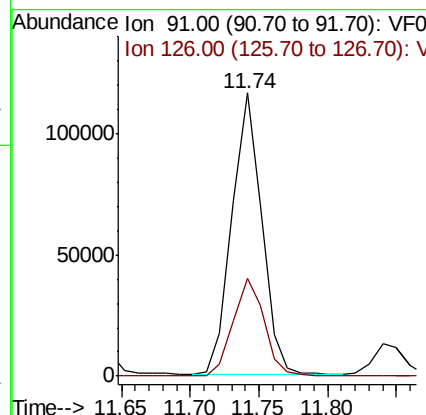
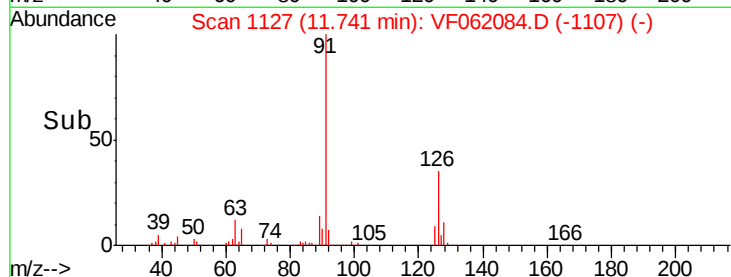
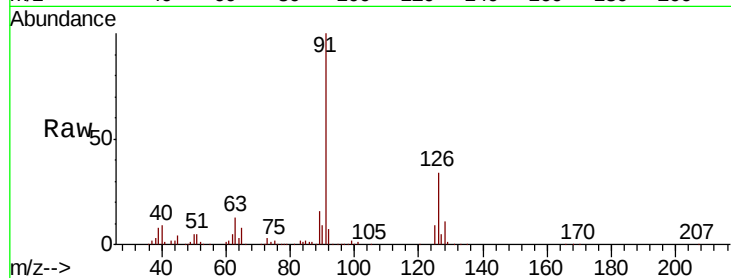




#79
 2-Chlorotoluene
 Concen: 20.548 ug/l
 RT: 11.74 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

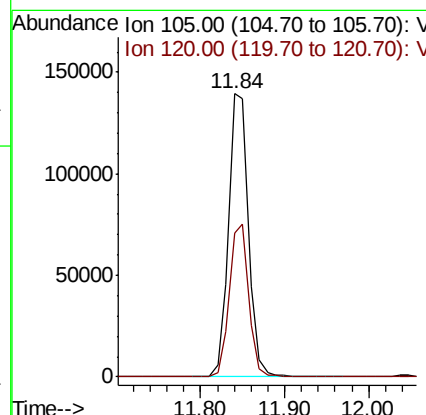
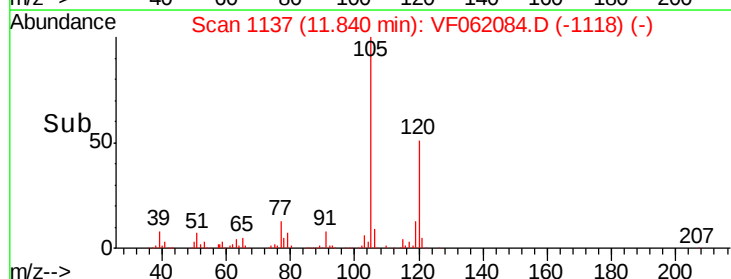
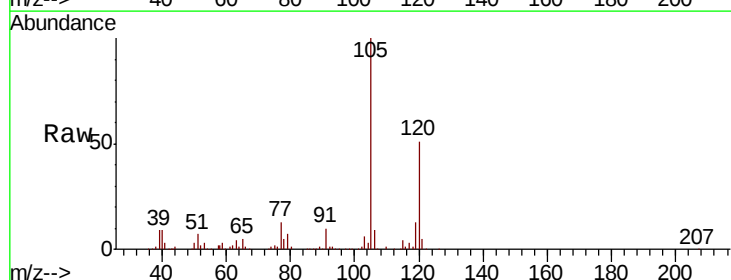
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

Tot Ion: 91 Resp: 176440
 Ion Ratio Lower Upper
 91 100
 126 34.5 18.3 54.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.953 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion:105 Resp: 229287
 Ion Ratio Lower Upper
 105 100
 120 51.0 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 24.646 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

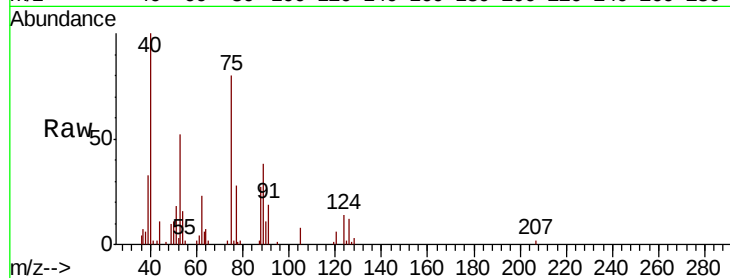
MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 75 Resp: 16145

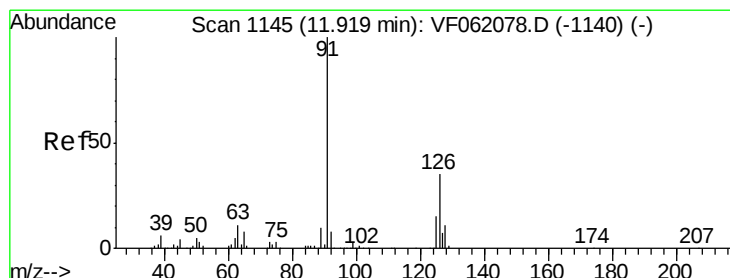
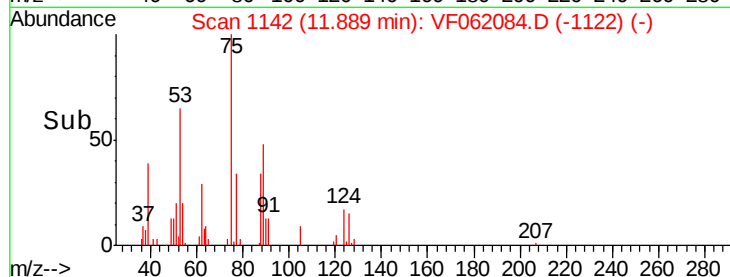
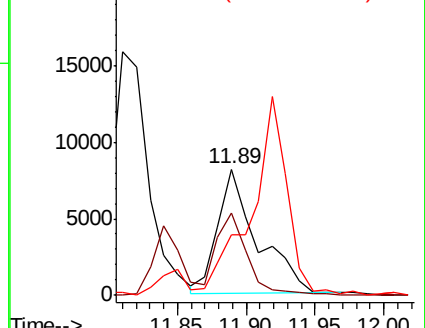
Ion	Ratio	Lower	Upper
75	100		
53	65.1	49.4	74.0
89	47.5	40.6	60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.010 ug/l

RT: 11.92 min Scan# 1145

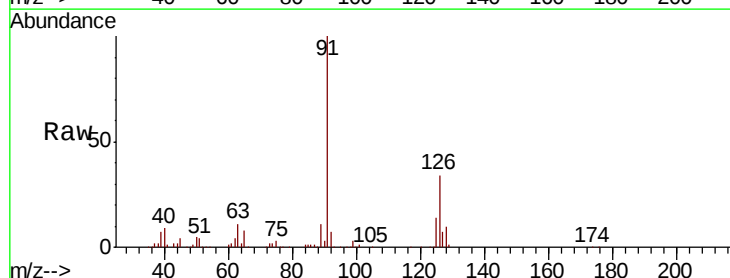
Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

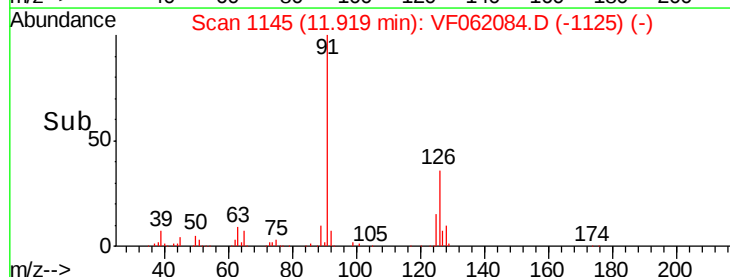
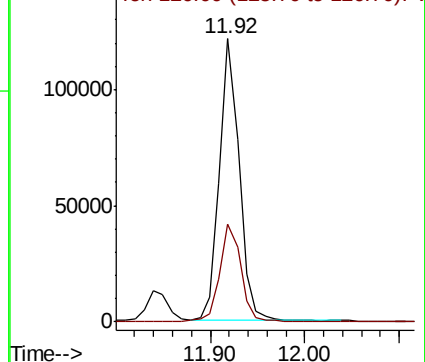
Tgt Ion: 91 Resp: 176169

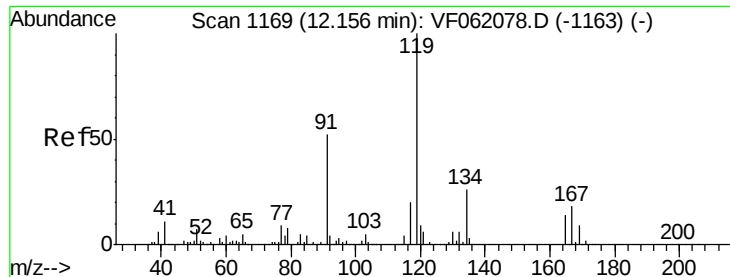
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

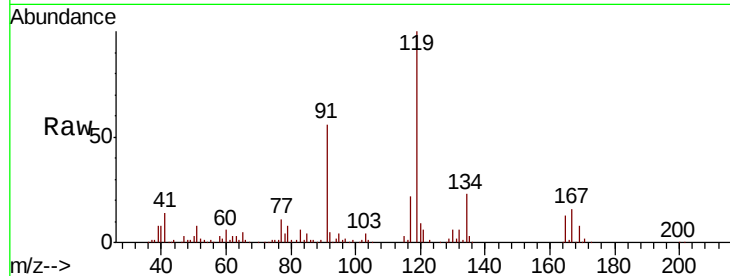




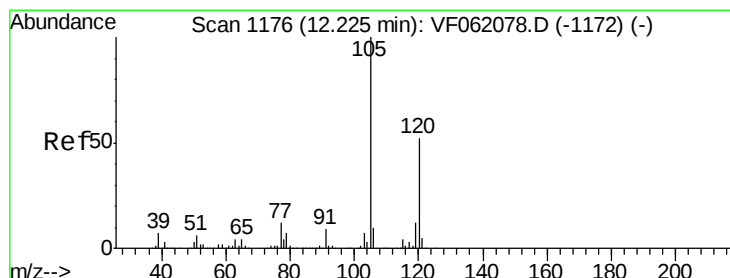
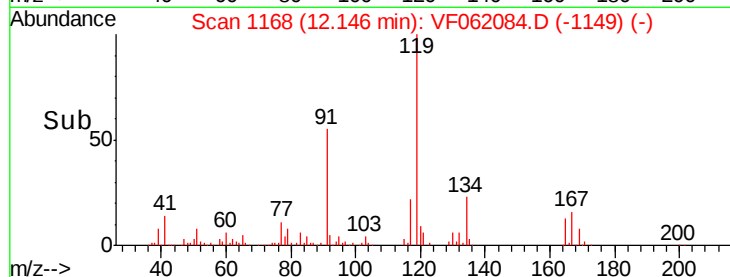
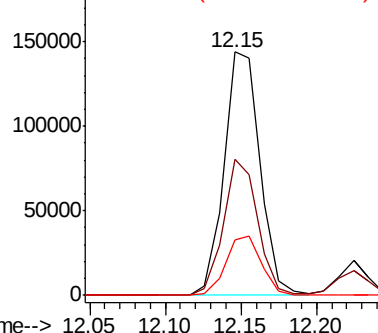
#83
tert-Butylbenzene
Concen: 20.898 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion:119 Resp: 239397
Ion Ratio Lower Upper
119 100
91 56.1 26.1 78.2
134 22.6 12.8 38.4

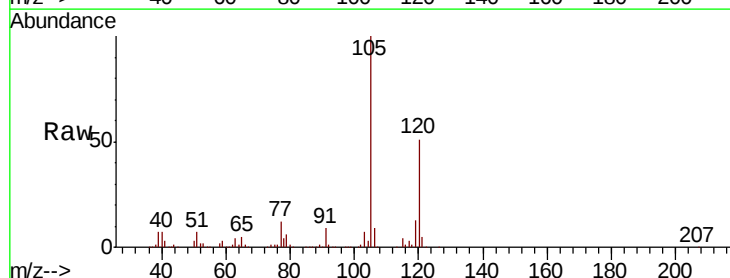


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

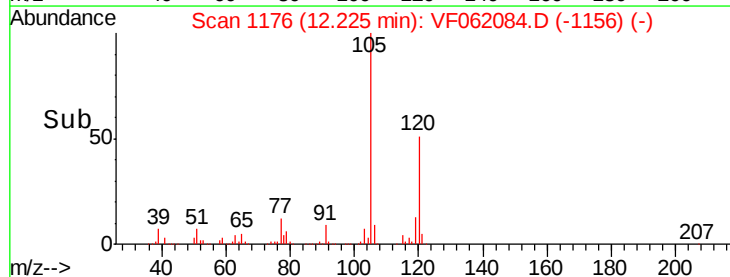
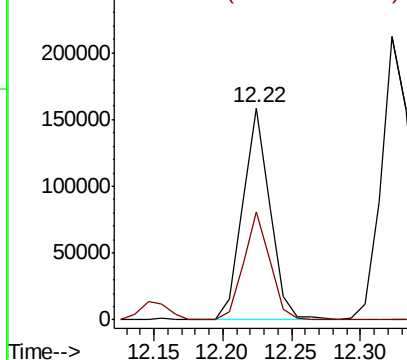


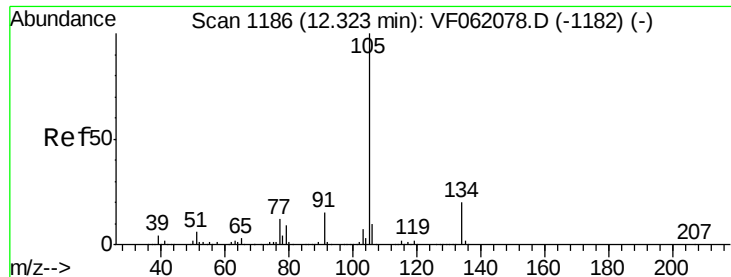
#84
1,2,4-Trimethylbenzene
Concen: 20.478 ug/l
RT: 12.22 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:105 Resp: 219686
Ion Ratio Lower Upper
105 100
120 51.2 26.1 78.2



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





#85

sec-Butylbenzene

Concen: 20.920 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

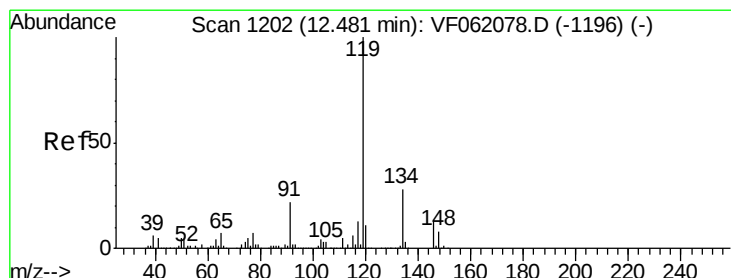
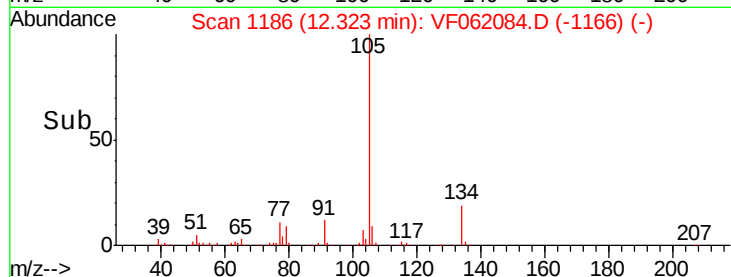
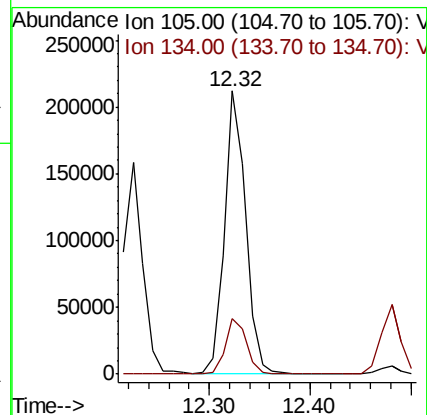
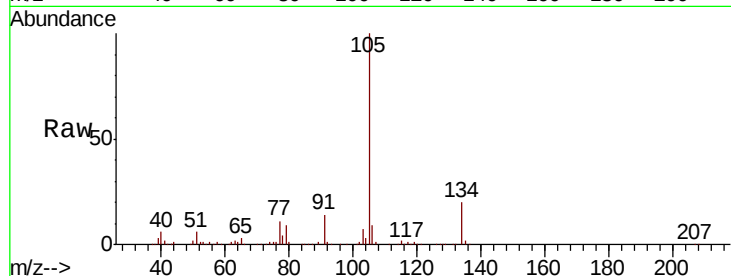
VF0322SBS01

Tot Ion:105 Resp: 310027

Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.922 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

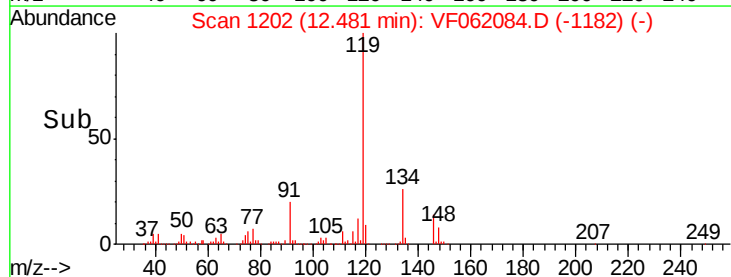
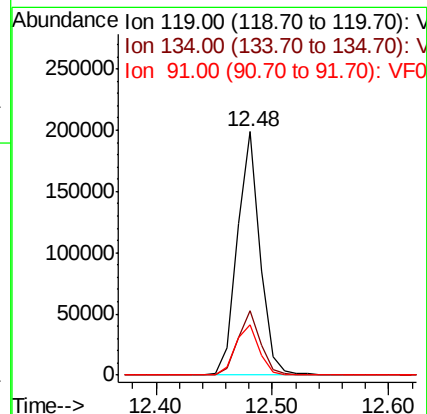
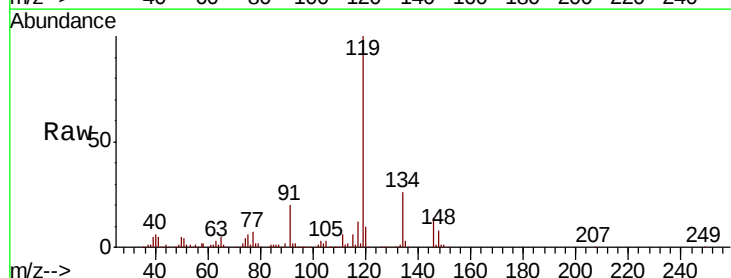
Tgt Ion:119 Resp: 268616

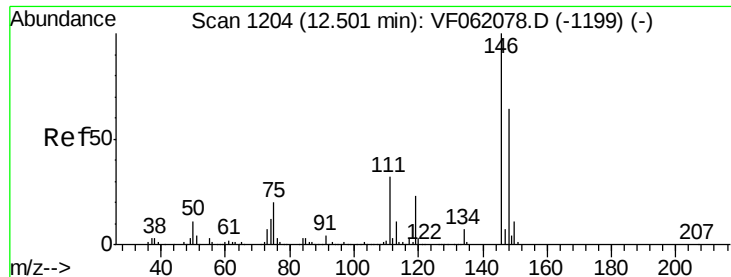
Ion Ratio Lower Upper

119 100

134 26.3 14.0 42.0

91 20.4 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 20.573 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

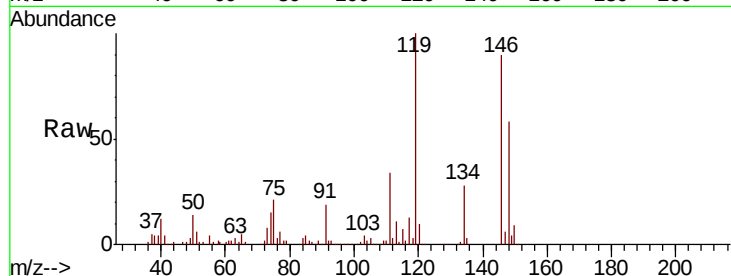
Tot Ion:146 Resp: 124238

Ion Ratio Lower Upper

146 100

111 37.7 16.1 48.3

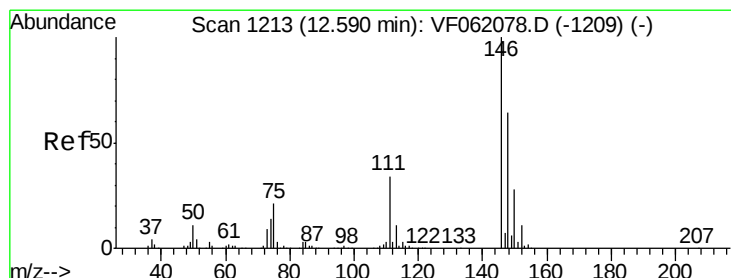
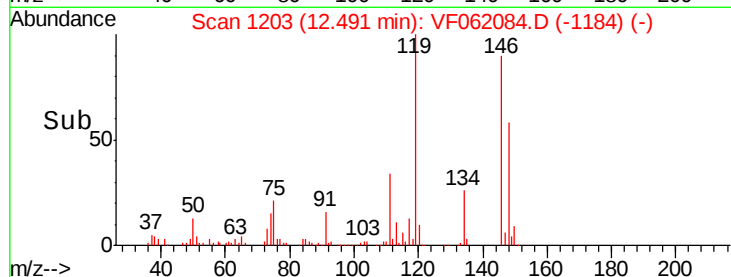
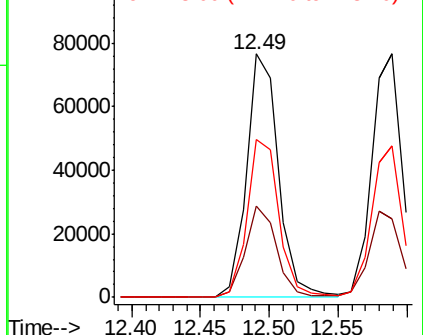
148 64.8 31.9 95.7



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: 20.645 ug/l

RT: 12.59 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

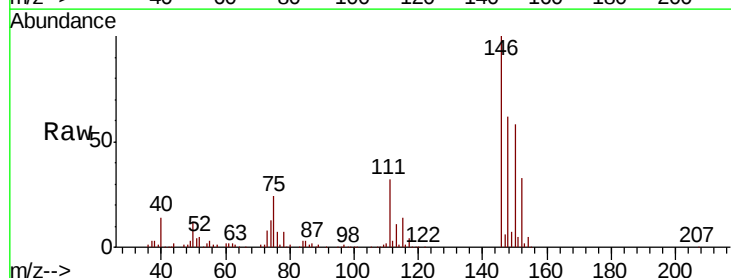
Tgt Ion:146 Resp: 121654

Ion Ratio Lower Upper

146 100

111 32.2 16.9 50.6

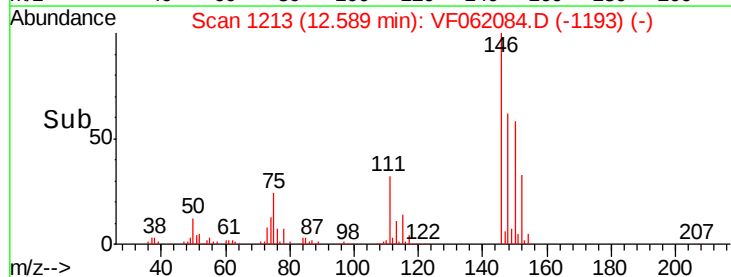
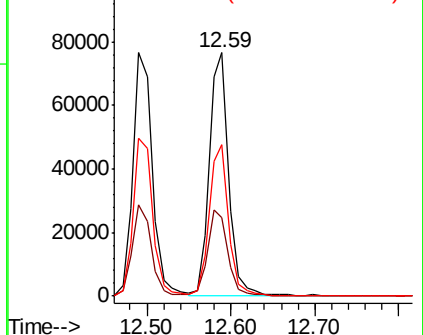
148 62.4 31.9 95.7

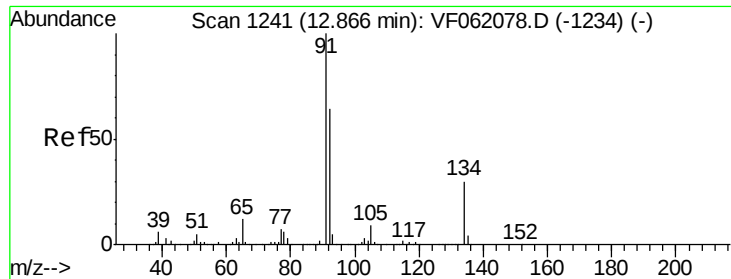


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

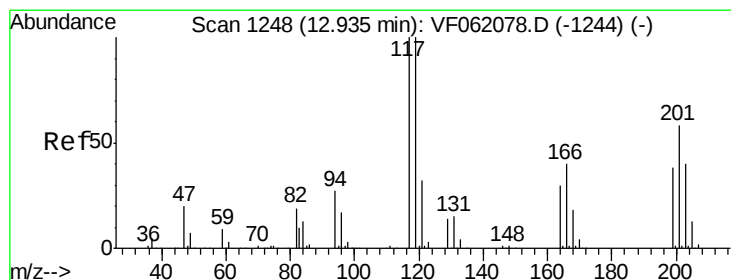
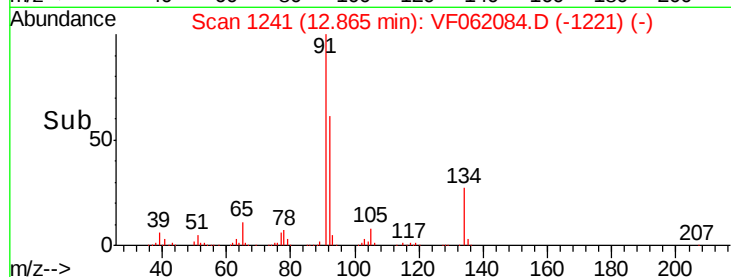
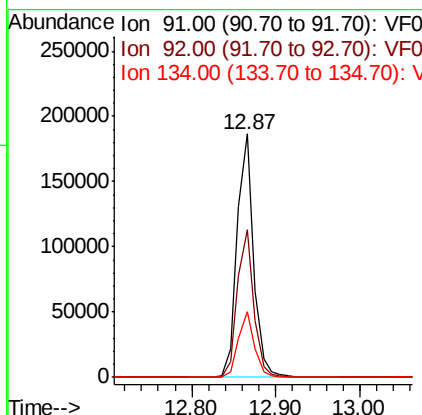
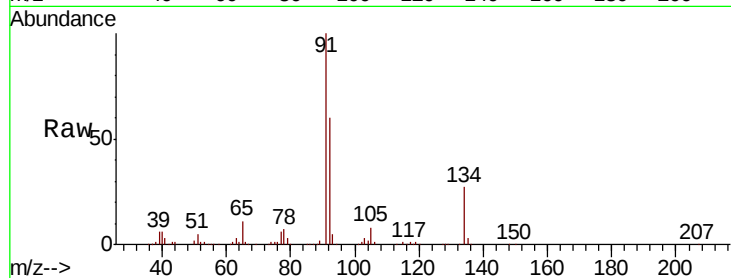




#89
n-Butylbenzene
Concen: 20.869 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

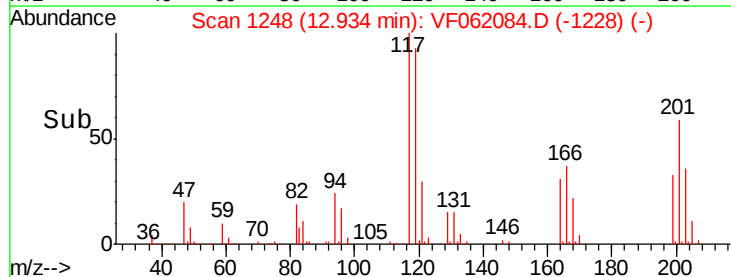
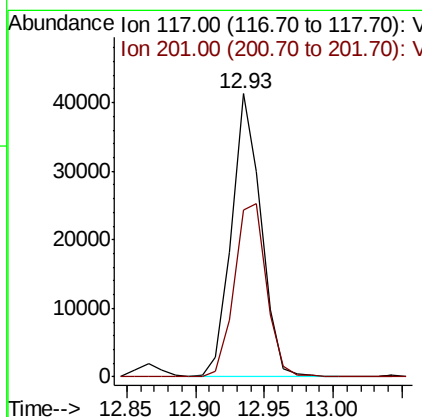
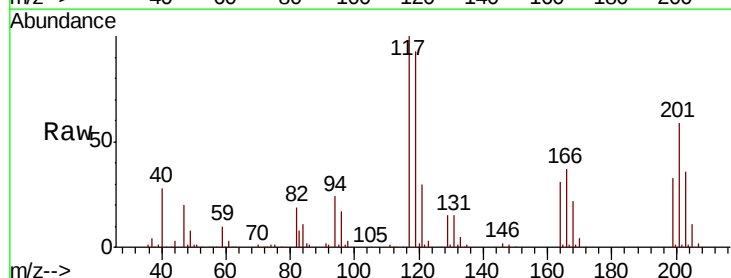
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

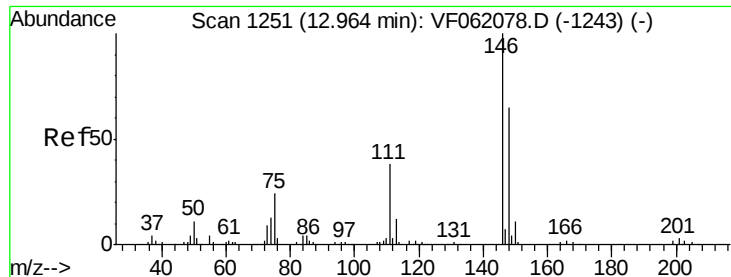
Tot Ion: 91 Resp: 255627
Ion Ratio Lower Upper
91 100
92 60.5 31.9 95.5
134 27.0 14.9 44.9



#90
Hexachloroethane
Concen: 20.185 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 117 Resp: 61708
Ion Ratio Lower Upper
117 100
201 59.0 28.7 86.1

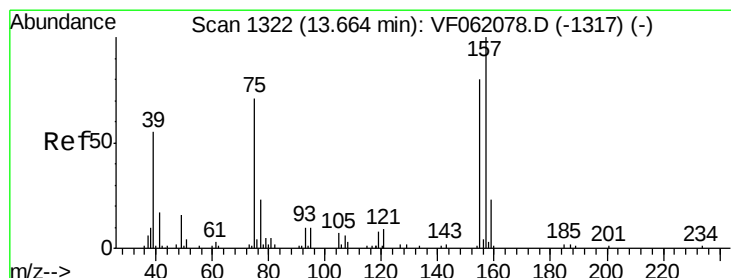
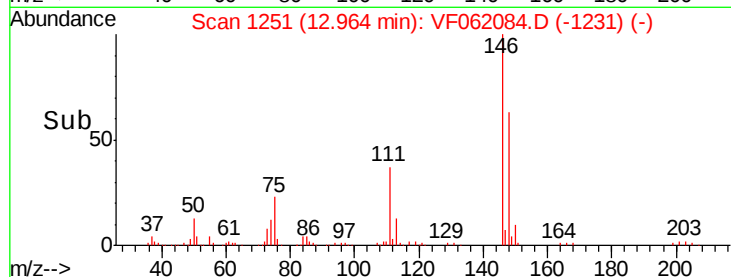
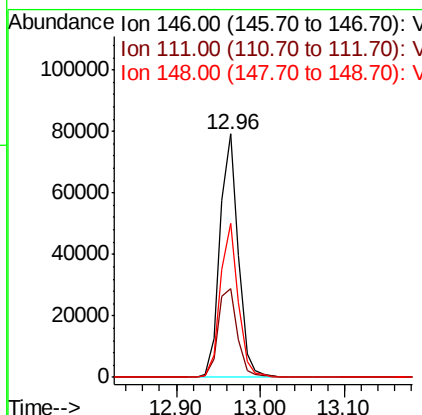
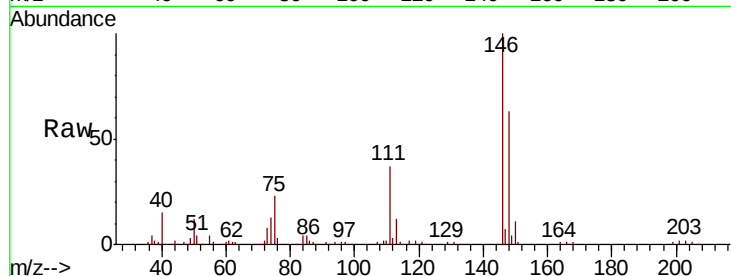




#91
 1,2-Dichlorobenzene
 Concen: 21.290 ug/l
 RT: 12.96 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

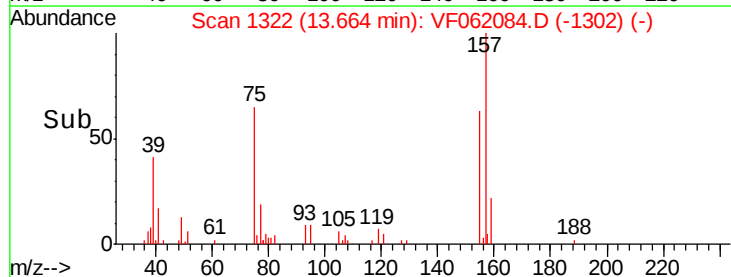
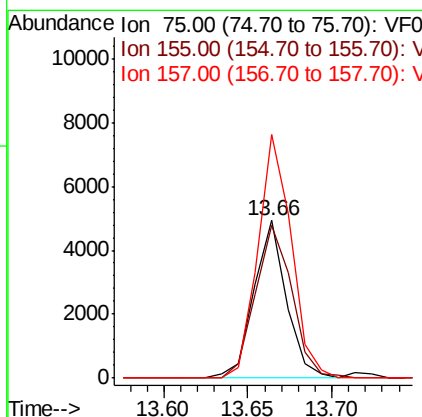
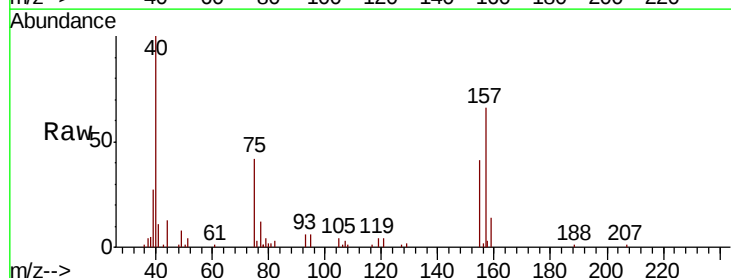
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

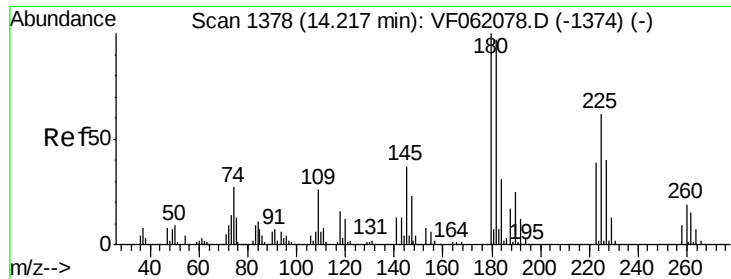
Tot Ion:146 Resp: 120721
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.1 57.3
 148 63.2 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.077 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion: 75 Resp: 6603
 Ion Ratio Lower Upper
 75 100
 155 97.3 56.1 168.4
 157 154.8 70.4 211.2

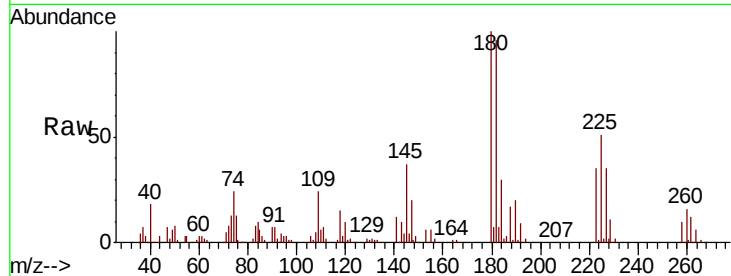




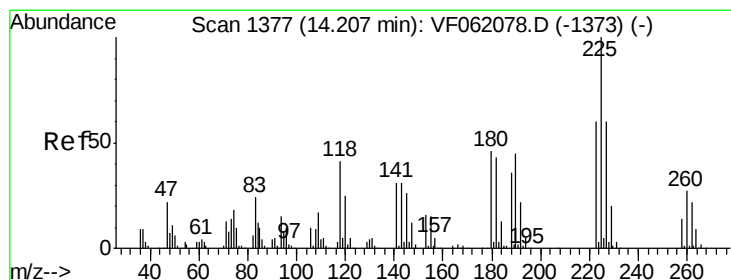
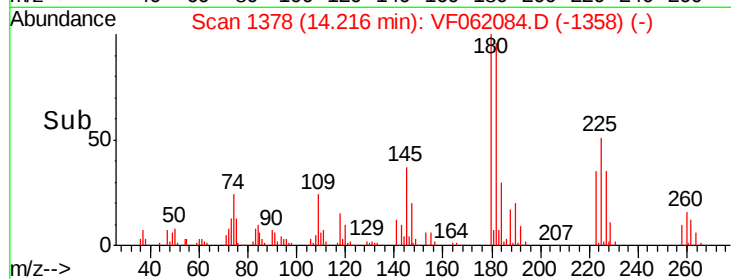
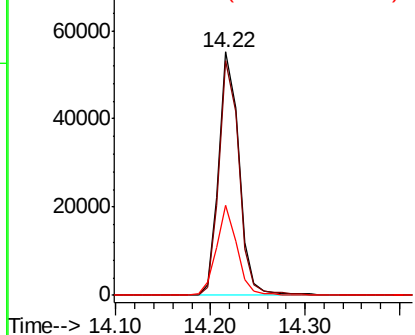
#93
 1,2,4-Trichlorobenzene
 Concen: 20.959 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

Tot Ion:180 Resp: 82831
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.7 146.1
 145 36.9 18.3 54.8

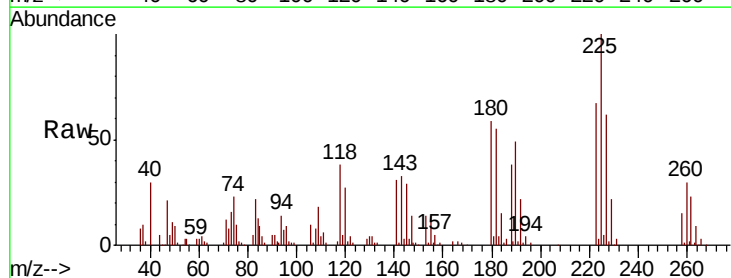


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

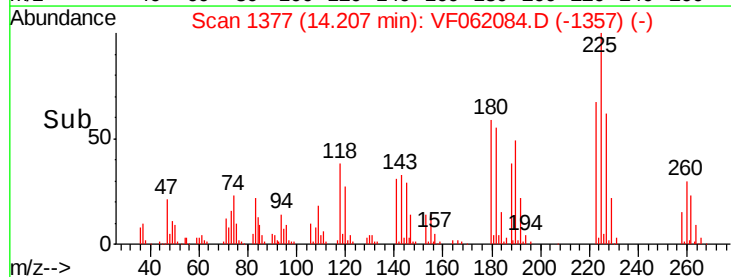
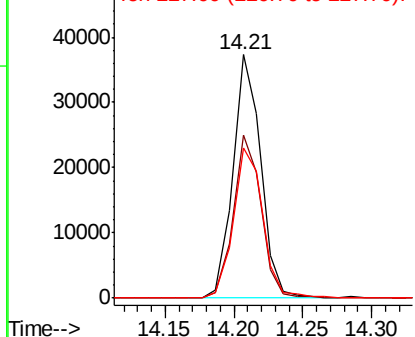


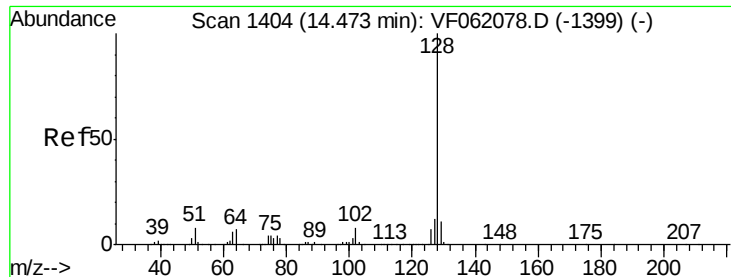
#94
 Hexachlorobutadiene
 Concen: 20.028 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion:225 Resp: 52627
 Ion Ratio Lower Upper
 225 100
 223 66.8 30.0 90.0
 227 61.9 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

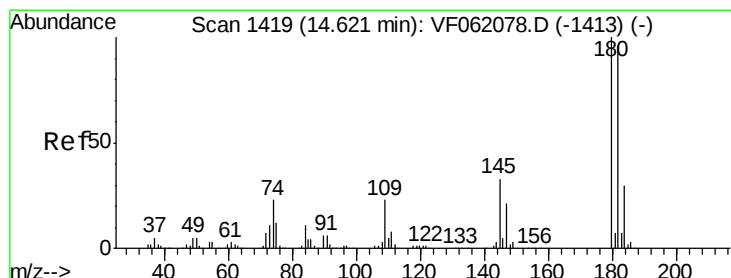
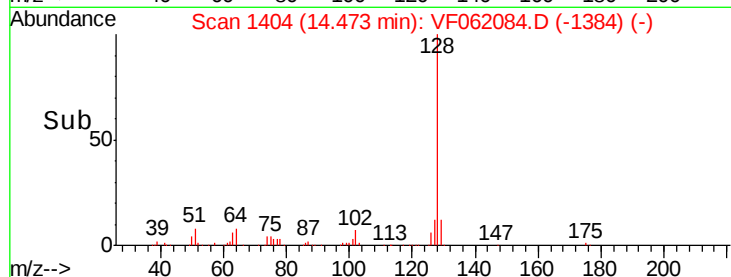
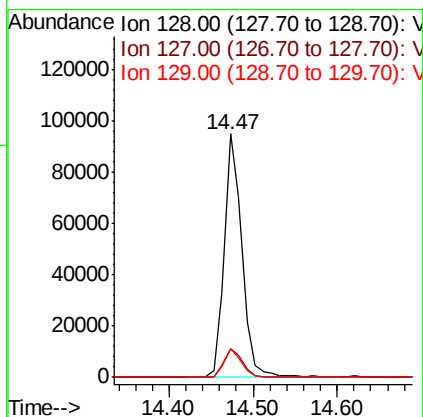
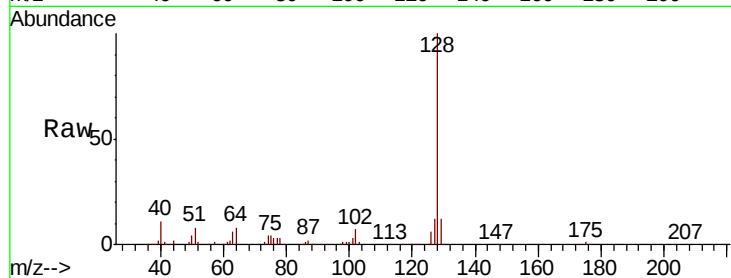




#95
Naphthalene
Concen: 20.064 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

Tot Ion:128 Resp: 138953
Ion Ratio Lower Upper
128 100
127 12.0 9.5 14.3
129 11.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.654 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:180 Resp: 72707
Ion Ratio Lower Upper
180 100
182 99.8 47.9 143.7
145 34.0 16.6 49.7

