

Data File : VF062080.D
Acq On : 22 Mar 2019 13:22
Operator : VA/AP
Sample : VSTDIC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Quant Time: Mar 23 00:49:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	283643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	470921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	398125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	193493	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	218855	103.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.46%	
35) Dibromofluoromethane	4.15	113	303754	95.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.70%	
50) Toluene-d8	7.58	98	879953	92.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.08%	
62) 4-Bromofluorobenzene	11.44	95	337775	92.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	350130	96.357	ug/l	97
3) Chloromethane	1.10	50	368523	96.925	ug/l	95
4) Vinyl Chloride	1.15	62	351947	100.074	ug/l	98
5) Bromomethane	1.35	94	227284	89.904	ug/l	85
6) Chloroethane	1.41	64	170220	96.147	ug/l	94
7) Trichlorofluoromethane	1.50	101	309102	75.772	ug/l	98
8) Diethyl Ether	1.65	74	93965	96.848	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	273396	94.350	ug/l	98
10) Methyl Iodide	1.93	142	454681	84.155	ug/l	97
11) Tert butyl alcohol	2.60	59	54159	466.554	ug/l	94
12) 1,1-Dichloroethene	1.81	96	262847	96.136	ug/l	96
13) Acrolein	2.02	56	71009	507.537	ug/l	99
14) Allyl chloride	2.11	41	282578	96.804	ug/l	97
15) Acrylonitrile	2.97	53	200317	490.729	ug/l	98
16) Acetone	2.26	43	224300	505.143	ug/l	100
17) Carbon Disulfide	1.85	76	660931	80.873	ug/l	98
18) Methyl Acetate	2.37	43	91450	86.941	ug/l	92
19) Methyl tert-butyl Ether	2.46	73	437761	101.305	ug/l	98
20) Methylene Chloride	2.20	84	81728	27.552	ug/l	98
21) trans-1,2-Dichloroethene	2.33	96	227073	89.364	ug/l	94
22) Diisopropyl ether	2.83	45	761171	99.456	ug/l	98
23) Vinyl Acetate	3.22	43	1573014	501.999	ug/l	99
24) 1,1-Dichloroethane	2.90	63	447353	97.472	ug/l	100
25) 2-Butanone	4.37	43	450660	486.162	ug/l	97
26) 2,2-Dichloropropane	3.63	77	182742	98.203	ug/l	94
27) cis-1,2-Dichloroethene	3.51	96	358663	102.889	ug/l	98
28) Bromochloromethane	3.76	49	196638	104.863	ug/l	98
29) Tetrahydrofuran	4.11	42	193800	480.852	ug/l	97
30) Chloroform	3.90	83	478071	98.564	ug/l	98
31) Cyclohexane	3.73	56	253700	56.327	ug/l	99
32) 1,1,1-Trichloroethane	4.13	97	269404	91.308	ug/l	96
36) 1,1-Dichloropropene	4.32	75	422578	94.209	ug/l	98
37) Ethyl Acetate	4.15	43	170112	86.779	ug/l	98
38) Carbon Tetrachloride	4.02	117	284013	92.900	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	500049	96.054	ug/l	98
40) Benzene	4.67	78	1107194	92.076	ug/l	99
41) Methacrylonitrile	4.78	41	96489	93.027	ug/l	97
42) 1,2-Dichloroethane	4.98	62	266708	93.793	ug/l	98
43) Isopropyl Acetate	6.99	43	211313	89.010	ug/l #	99
44) Trichloroethene	5.54	130	336736	91.594	ug/l	95
45) 1,2-Dichloropropane	6.27	63	270369	94.270	ug/l	97
46) Dibromomethane	6.12	93	167109	95.295	ug/l	95
47) Bromodichloromethane	6.42	83	378840	97.533	ug/l	99
48) Methyl methacrylate	6.75	41	131507	97.290	ug/l	97
49) 1,4-Dioxane	6.74	88	24111	2032.840	ug/l	97
51) 4-Methyl-2-Pentanone	8.29	43	674793	424.675	ug/l	99
52) Toluene	7.66	92	643950	92.457	ug/l	95
53) t-1,3-Dichloropropene	8.31	75	288232	94.527	ug/l	97
54) cis-1,3-Dichloropropene	7.34	75	413042	94.672	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	186753	94.399	ug/l	96
56) Ethyl methacrylate	8.65	69	206409	87.484	ug/l	94
57) 1,3-Dichloropropane	8.89	76	305891	93.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	172359	481.424	ug/l	95
59) 2-Hexanone	9.53	43	477751	410.240	ug/l	99
60) Dibromochloromethane	8.75	129	266682	96.967	ug/l	98
61) 1,2-Dibromoethane	9.02	107	198853	94.214	ug/l	99
64) Tetrachloroethene	8.18	164	284350	92.446	ug/l	93
65) Chlorobenzene	9.83	112	703258	94.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	279766	93.497	ug/l	99
67) Ethyl Benzene	9.93	91	1169612	90.284	ug/l	97
68) m/p-Xylenes	10.17	106	890480	183.908	ug/l	90
69) o-Xylene	10.74	106	443071	87.369	ug/l	98
70) Styrene	10.82	104	694891	90.437	ug/l	98
71) Bromoform	10.80	173	142926	93.386	ug/l	99
73) Isopropylbenzene	11.15	105	1294345	95.065	ug/l	97
74) N-amyl acetate	11.39	43	311267	95.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	227120	97.151	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	151060	91.816	ug/l	96
77) Bromobenzene	11.52	156	316982	95.292	ug/l	89
78) n-propylbenzene	11.62	91	1393712	88.154	ug/l	96
79) 2-Chlorotoluene	11.74	91	830399	94.497	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	1038660	92.744	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	89800	101.201	ug/l	95
82) 4-Chlorotoluene	11.92	91	833676	92.527	ug/l	96
83) tert-Butylbenzene	12.15	119	1083981	92.462	ug/l	96
84) 1,2,4-Trimethylbenzene	12.23	105	1006205	91.650	ug/l	96
85) sec-Butylbenzene	12.33	105	1424387	93.918	ug/l	96
86) p-Isopropyltoluene	12.48	119	1196161	91.034	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	553308	89.530	ug/l	94
88) 1,4-Dichlorobenzene	12.58	146	563509	93.442	ug/l	95
89) n-Butylbenzene	12.87	91	1114160	88.877	ug/l	95
90) Hexachloroethane	12.94	117	305451	97.628	ug/l	89
91) 1,2-Dichlorobenzene	12.97	146	529943	91.321	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	36736	103.710	ug/l	93

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	370898	91.705	ug/l	100
94) Hexachlorobutadiene	14.21	225	253994	94.450	ug/l	95
95) Naphthalene	14.48	128	753312	106.286	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	373751	98.723	ug/l	98

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

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ALS Vial      : 8      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

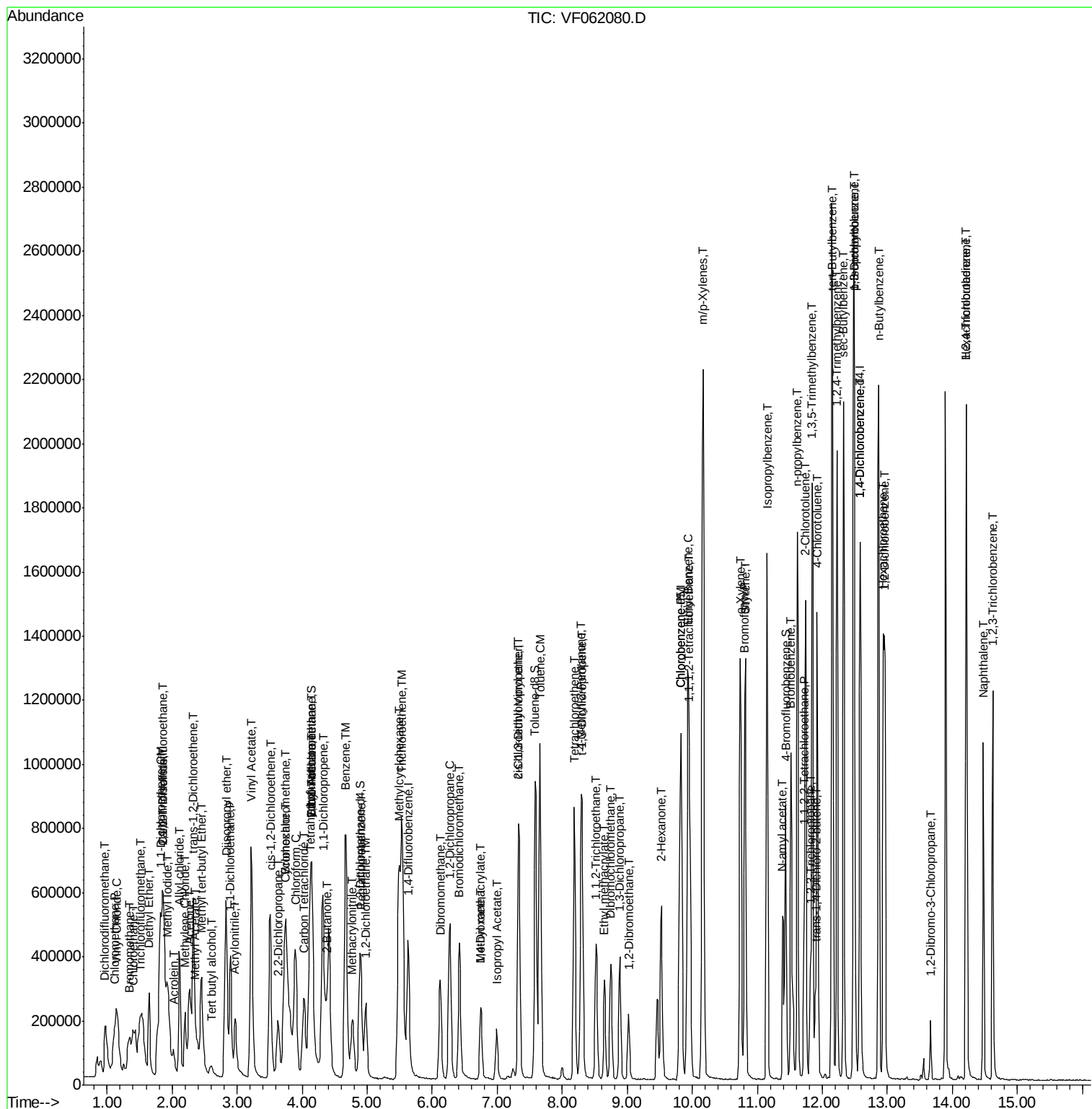
Quant Time: Mar 23 00:49:17 2019

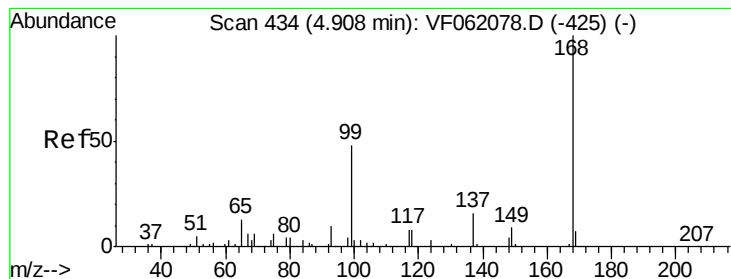
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F032219S.M

Quant Title : SW846 8260

QLast Update : Sat Mar 23 00:41:59 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.00 min

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Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

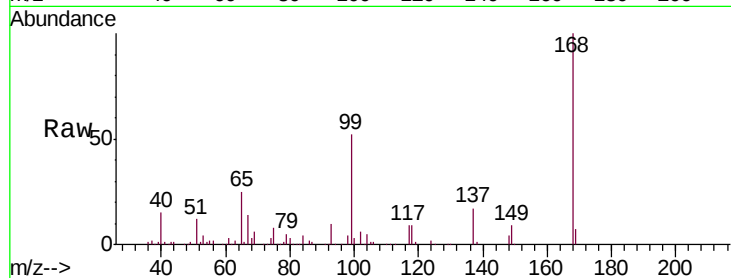
VSTDIC100

Tgt Ion:168 Resp: 283643

Ion Ratio Lower Upper

168 100

99 51.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

100000

80000

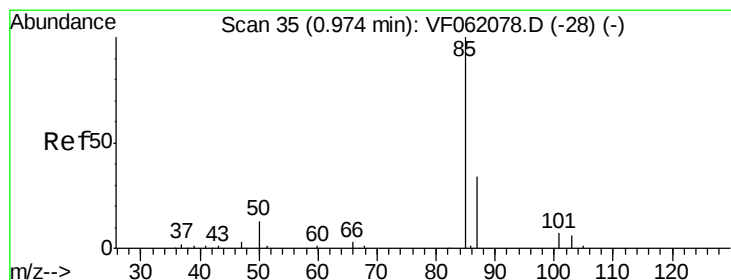
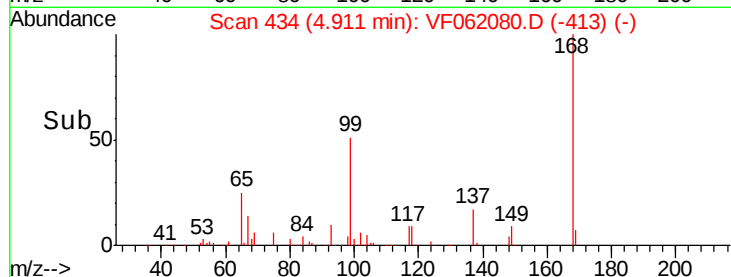
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 96.357 ug/l

RT: 0.98 min Scan# 35

Delta R.T. 0.00 min

Lab File: VF062080.D

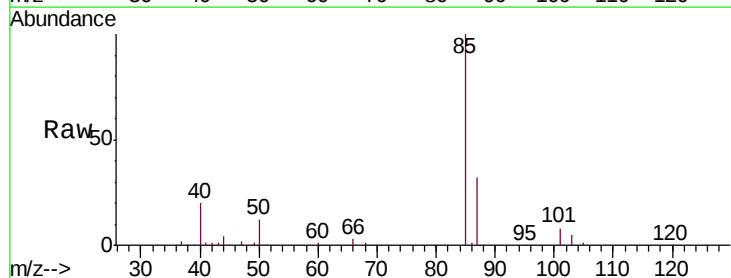
Acq: 22 Mar 2019 13:22

Tgt Ion: 85 Resp: 350130

Ion Ratio Lower Upper

85 100

87 32.1 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

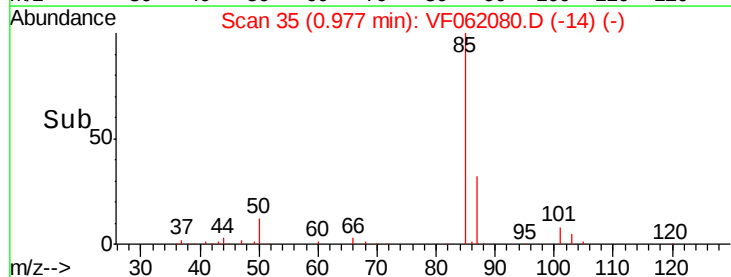
60000

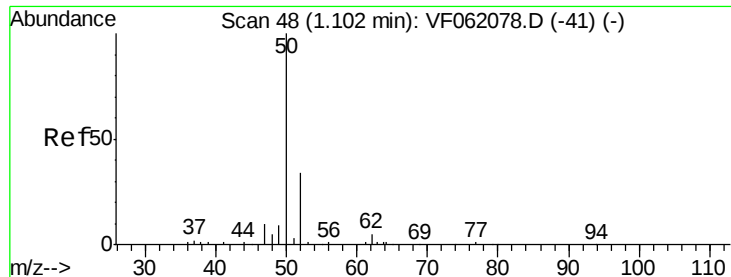
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 96.925 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

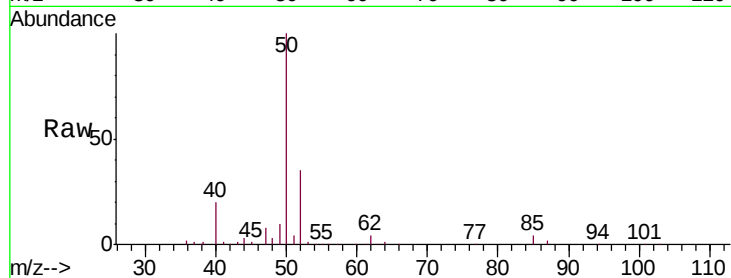
VSTDIC100

Tgt Ion: 50 Resp: 368523

Ion Ratio Lower Upper

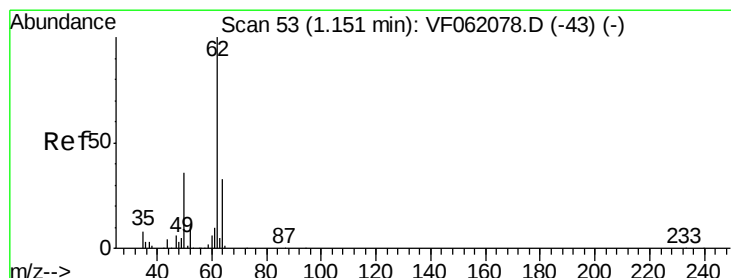
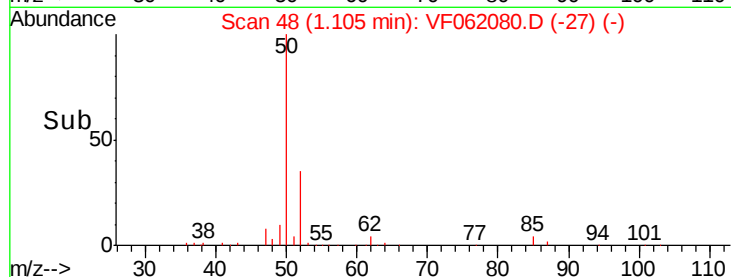
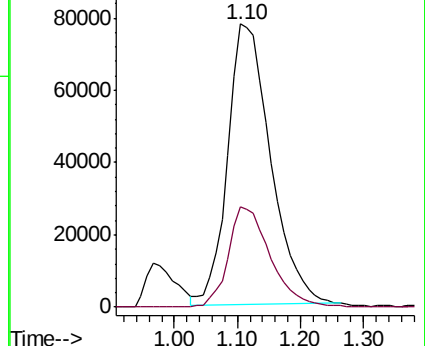
50 100

52 35.3 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 100.074 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF062080.D

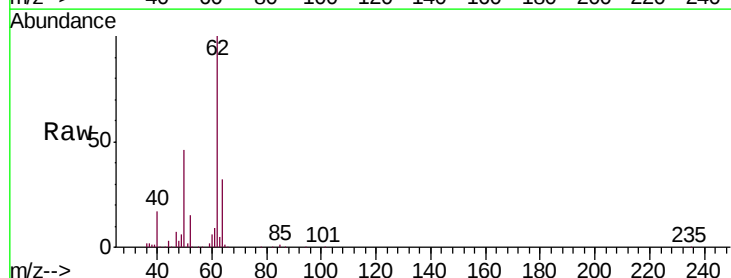
Acq: 22 Mar 2019 13:22

Tgt Ion: 62 Resp: 351947

Ion Ratio Lower Upper

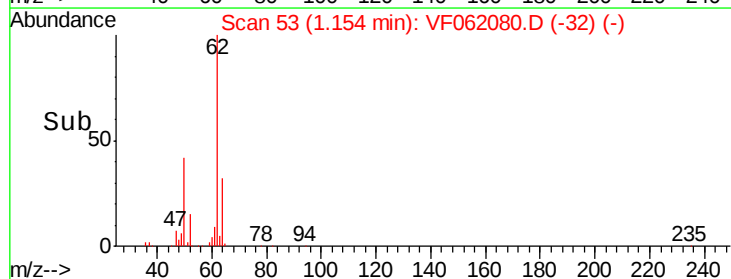
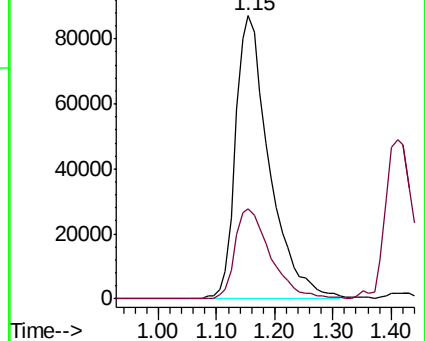
62 100

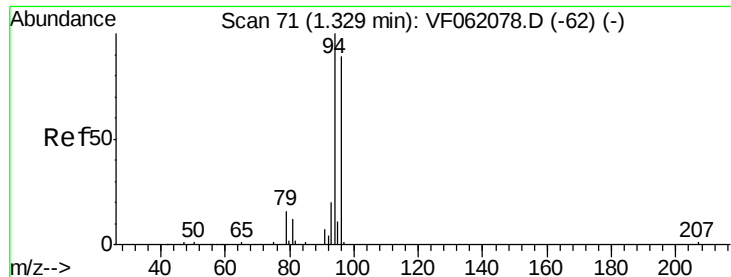
64 31.8 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 89.904 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.02 min

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Instrument :

MSVOA_F

ClientSampleId :

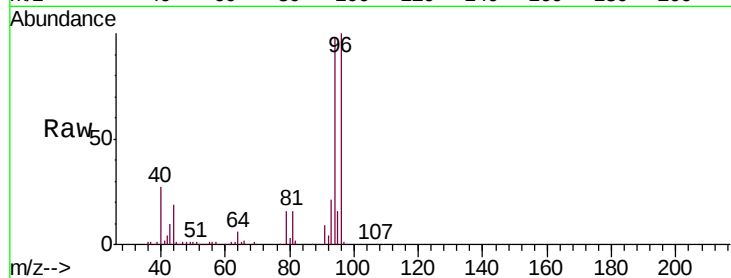
VSTDIC100

Tgt Ion: 94 Resp: 227284

Ion Ratio Lower Upper

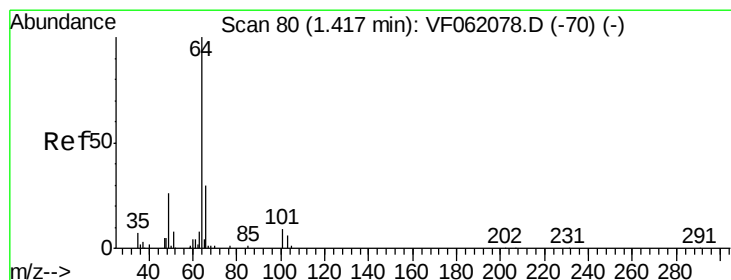
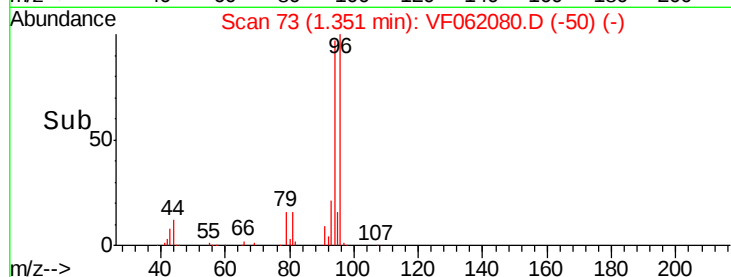
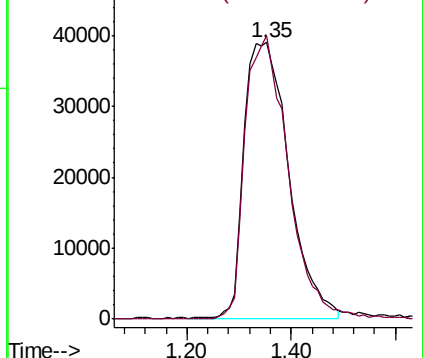
94 100

96 102.4 70.9 106.3



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 96.147 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062080.D

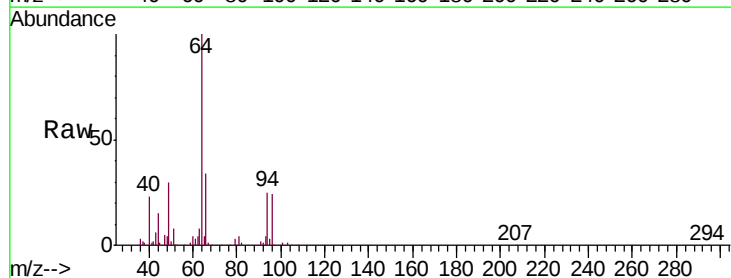
Acq: 22 Mar 2019 13:22

Tgt Ion: 64 Resp: 170220

Ion Ratio Lower Upper

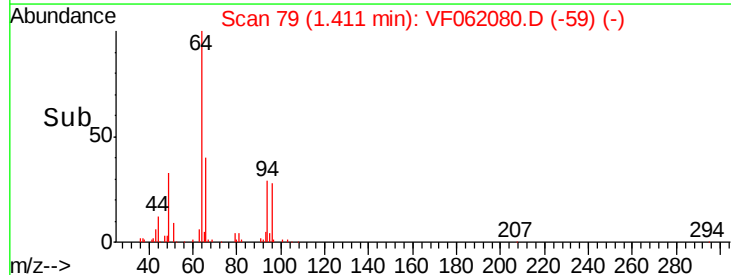
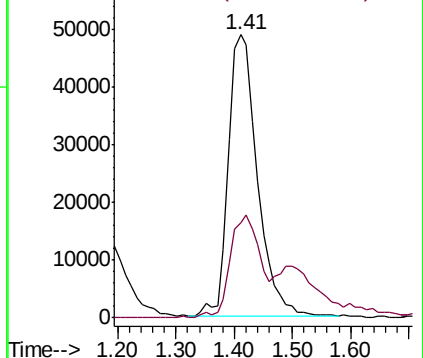
64 100

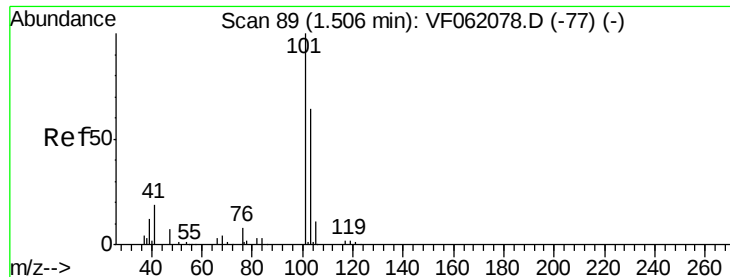
66 33.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 75.772 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

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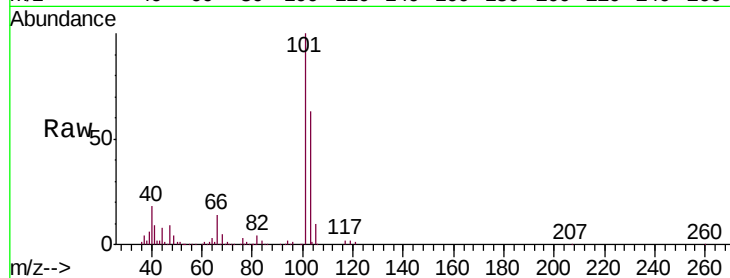
VSTDIC100

Tgt Ion:101 Resp: 309102

Ion Ratio Lower Upper

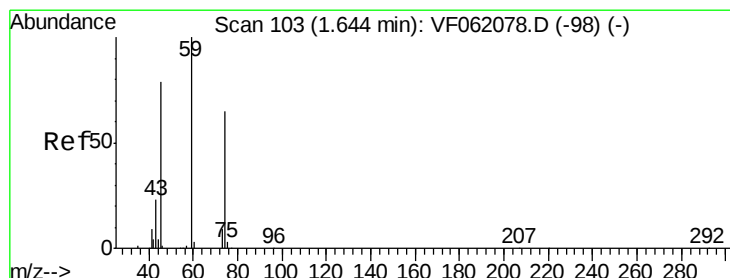
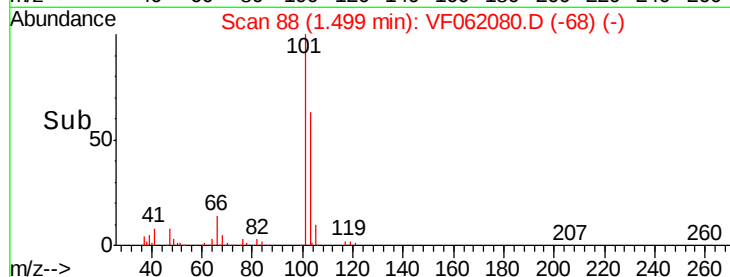
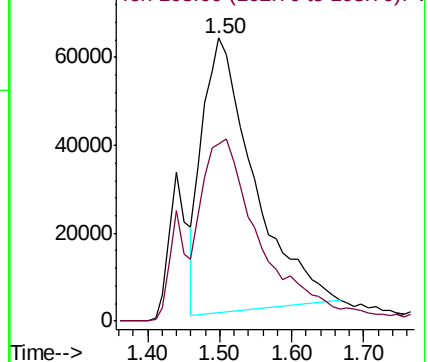
101 100

103 62.5 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: 96.848 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.00 min

Lab File: VF062080.D

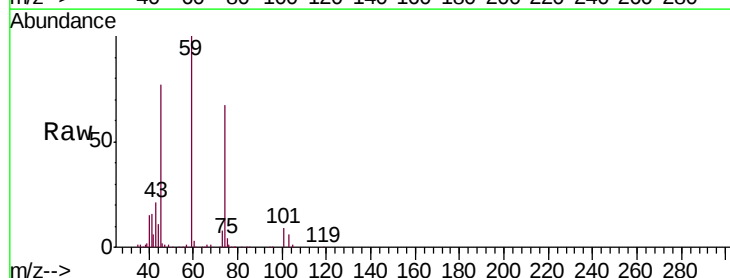
Acq: 22 Mar 2019 13:22

Tgt Ion: 74 Resp: 93965

Ion Ratio Lower Upper

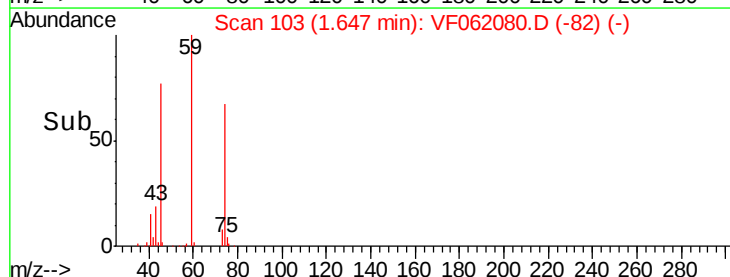
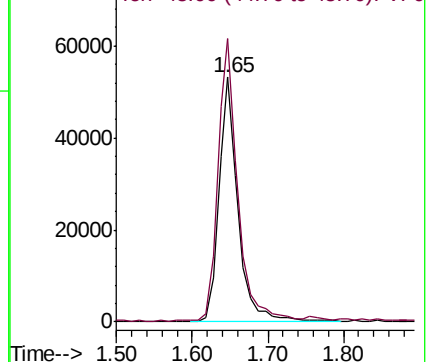
74 100

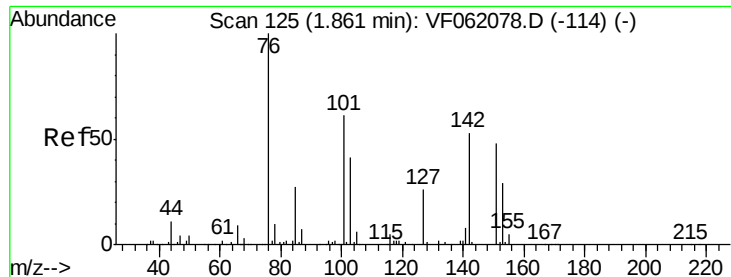
45 115.7 61.4 184.2



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: 94.350 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.00 min

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VSTDIC100

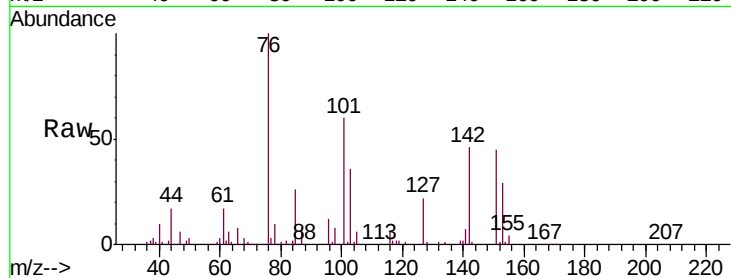
Tgt Ion:101 Resp: 273396

Ion Ratio Lower Upper

101 100

85 43.9 34.6 52.0

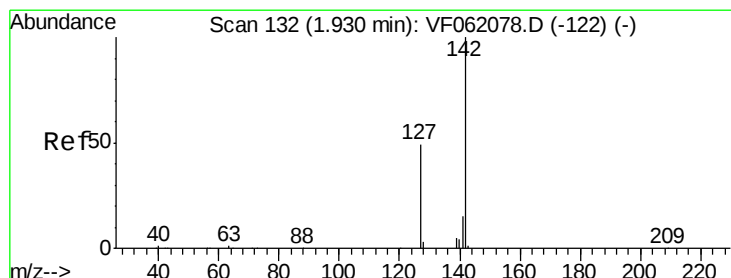
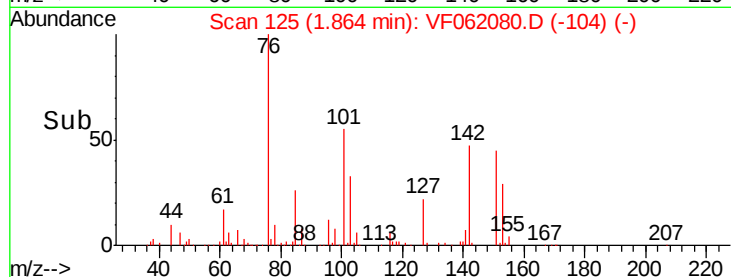
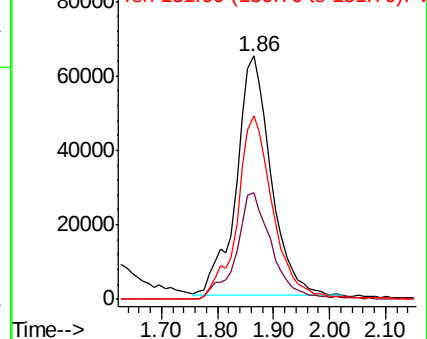
151 75.3 61.7 92.5



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: 84.155 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

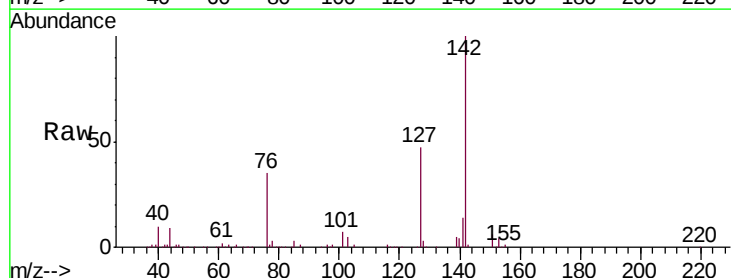
Tgt Ion:142 Resp: 454681

Ion Ratio Lower Upper

142 100

127 46.6 39.1 58.7

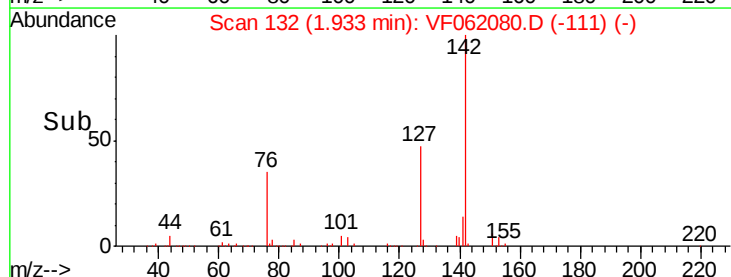
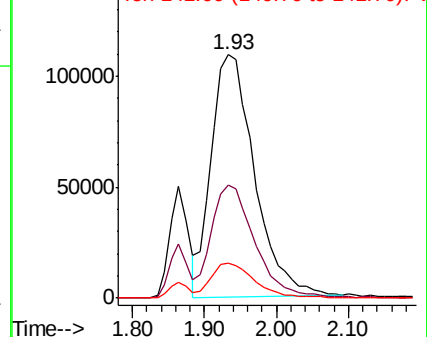
141 14.5 12.2 18.4

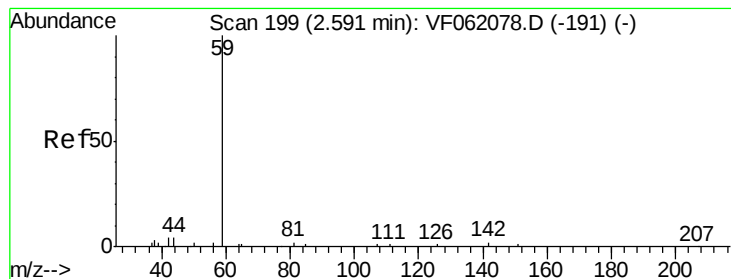


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



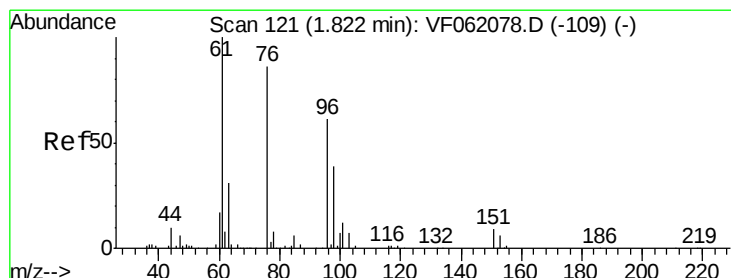
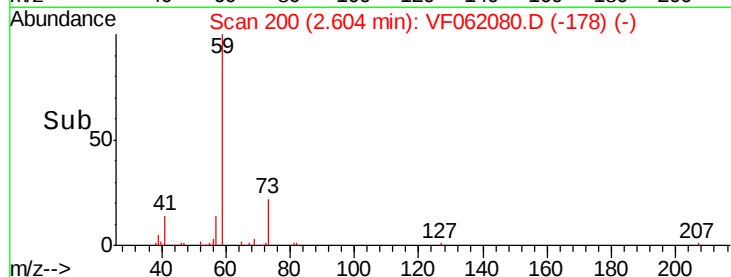
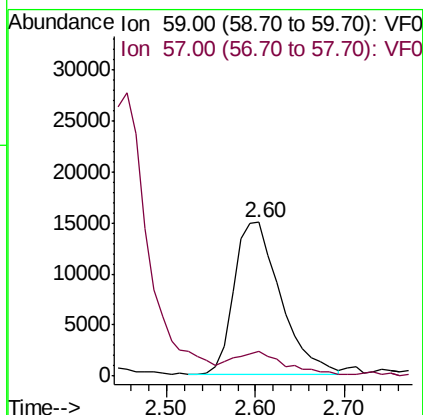
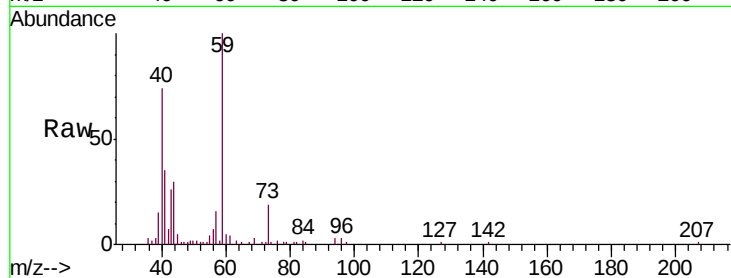


#11

Tert butyl alcohol
Concen: 466.554 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

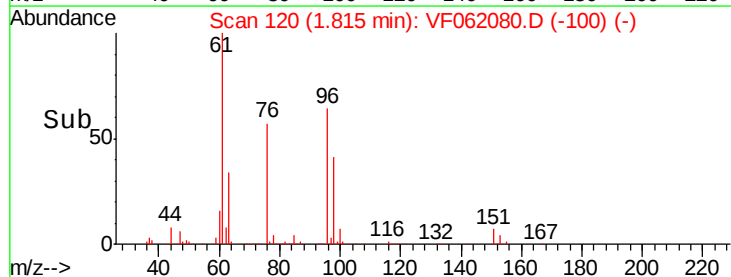
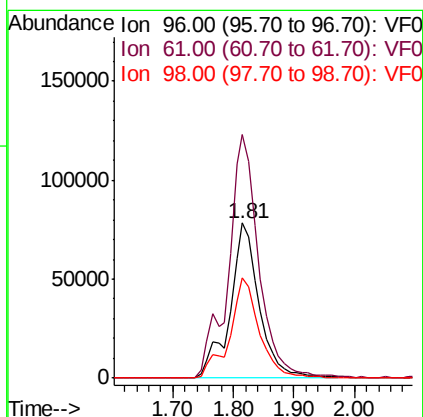
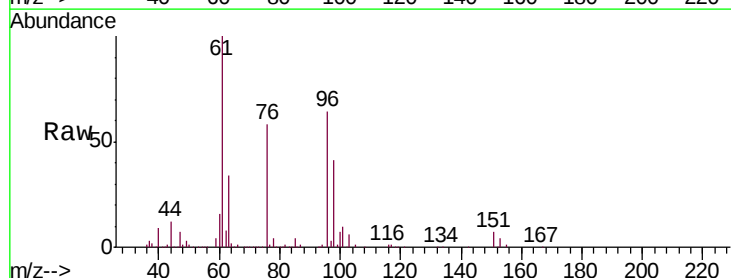
Tgt Ion: 59 Resp: 54159
Ion Ratio Lower Upper
59 100
57 16.0 11.0 16.4

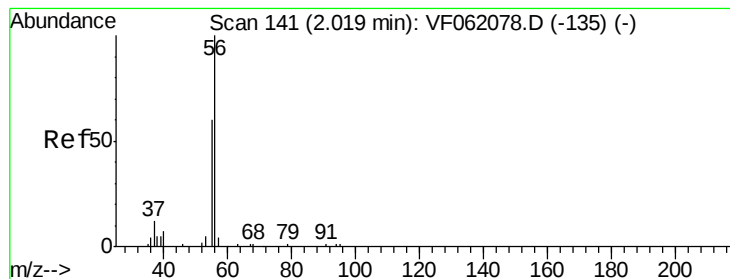


#12

1,1-Dichloroethene
Concen: 96.136 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion: 96 Resp: 262847
Ion Ratio Lower Upper
96 100
61 157.1 131.0 196.6
98 64.6 51.5 77.3





#13

Acrolein

Concen: 507.537 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

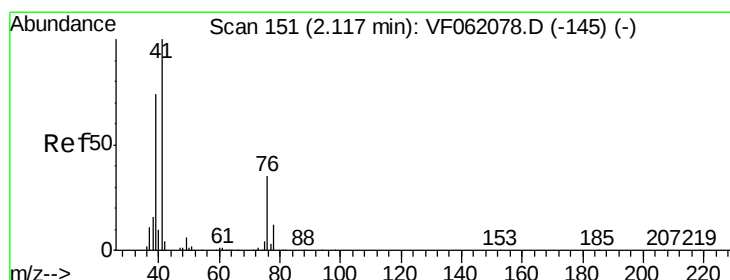
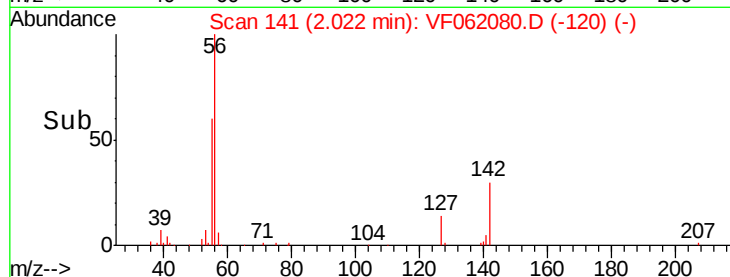
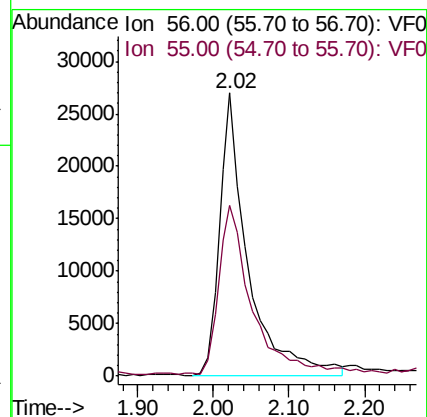
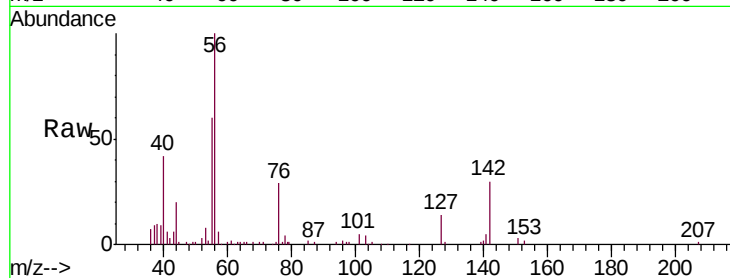
VSTDIC100

Tgt Ion: 56 Resp: 71009

Ion Ratio Lower Upper

56 100

55 60.4 49.0 73.4



#14

Allyl chloride

Concen: 96.804 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

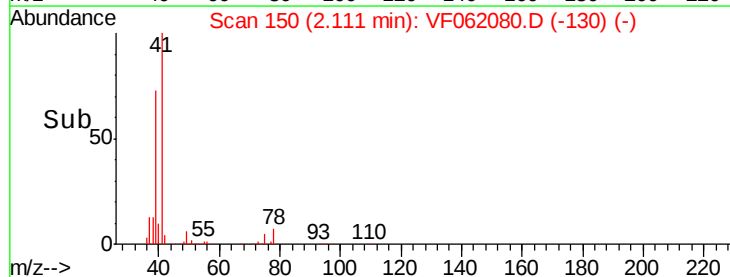
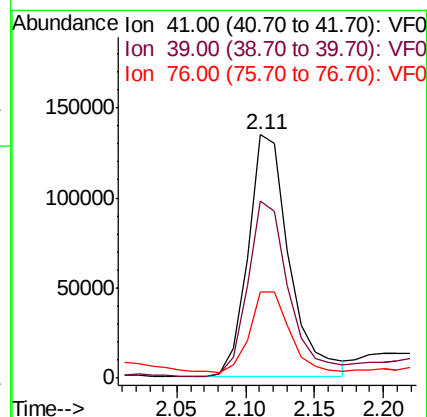
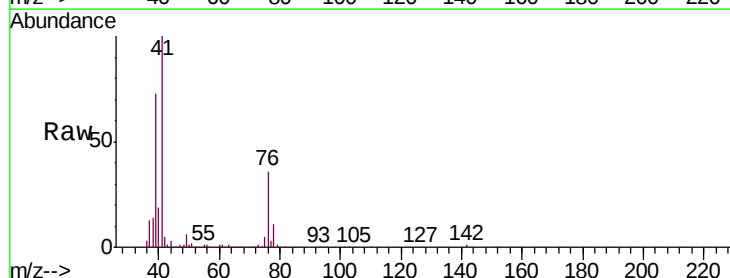
Tgt Ion: 41 Resp: 282578

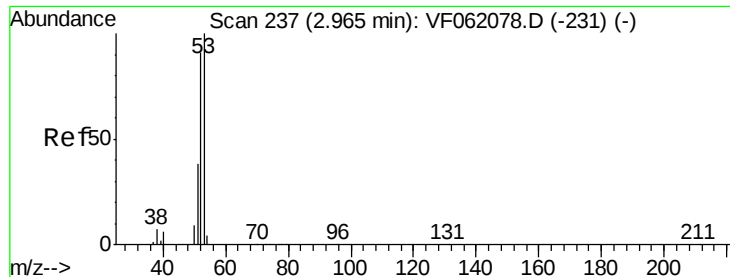
Ion Ratio Lower Upper

41 100

39 72.8 59.8 89.8

76 35.6 30.0 45.0





#15

Acrylonitrile

Concen: 490.729 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

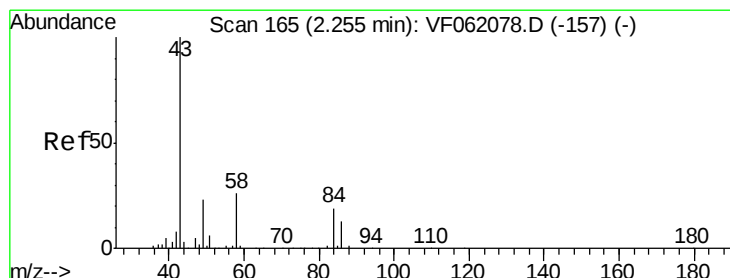
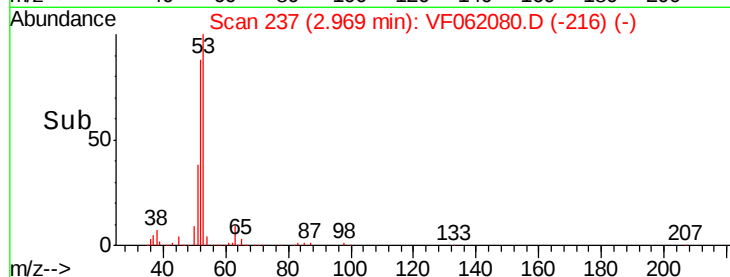
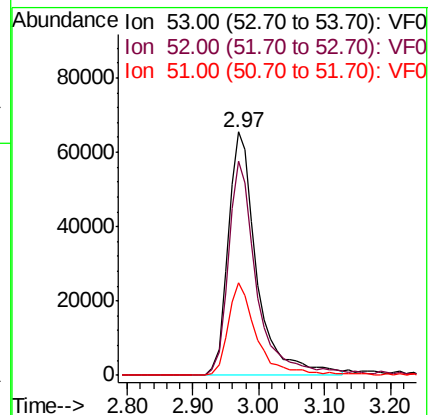
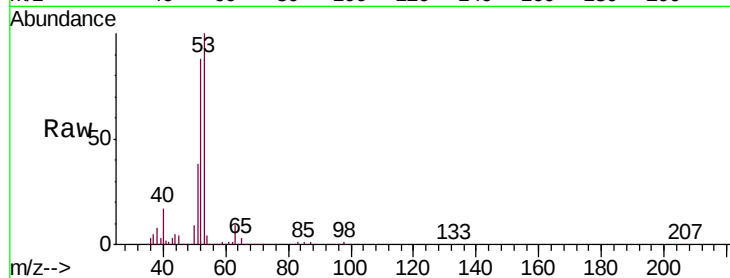
Tgt Ion: 53 Resp: 200317

Ion Ratio Lower Upper

53 100

52 87.8 72.3 108.5

51 38.1 30.4 45.6



#16

Acetone

Concen: 505.143 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF062080.D

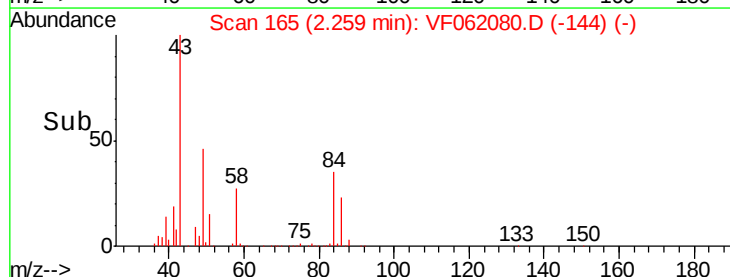
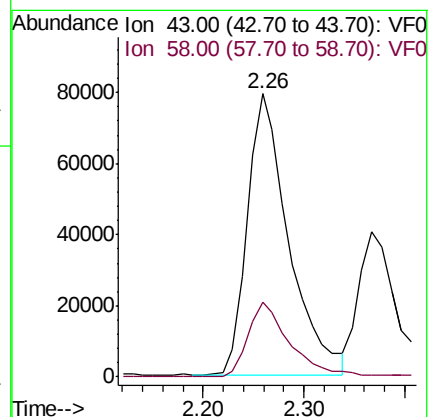
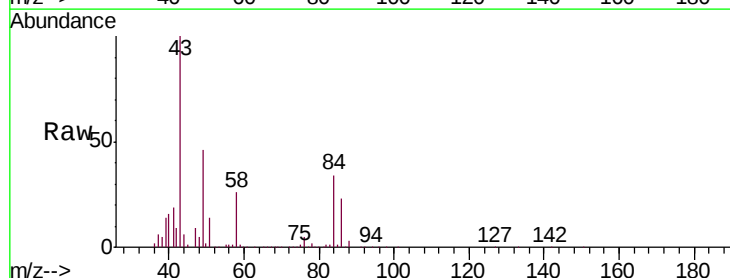
Acq: 22 Mar 2019 13:22

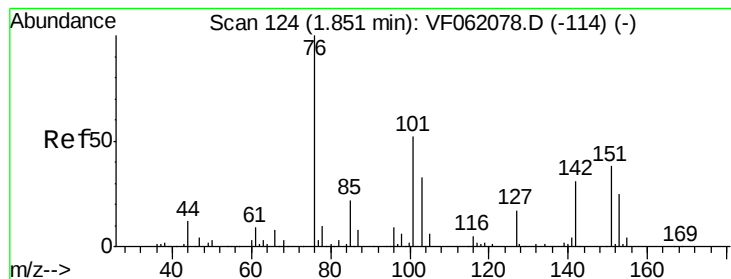
Tgt Ion: 43 Resp: 224300

Ion Ratio Lower Upper

43 100

58 26.2 20.8 31.2





#17

Carbon Disulfide

Concen: 80.873 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

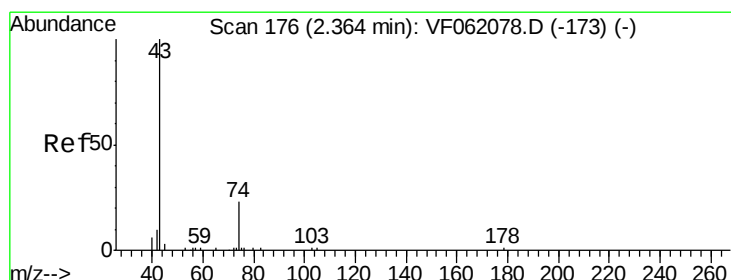
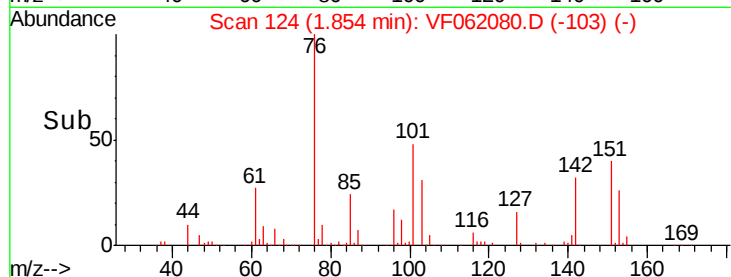
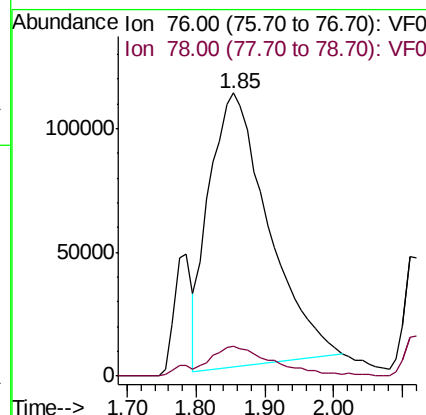
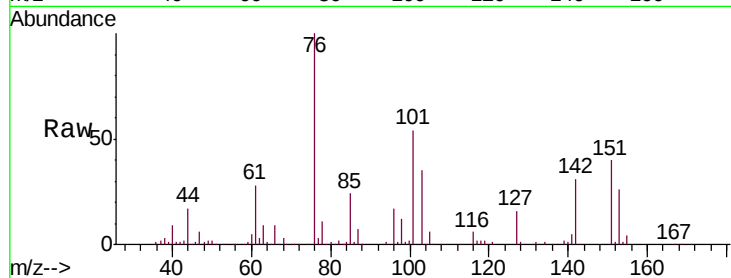
VSTDIC100

Tgt Ion: 76 Resp: 660931

Ion Ratio Lower Upper

76 100

78 10.6 7.9 11.9



#18

Methyl Acetate

Concen: 86.941 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.00 min

Lab File: VF062080.D

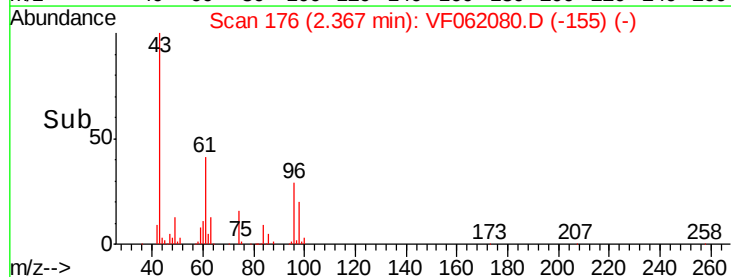
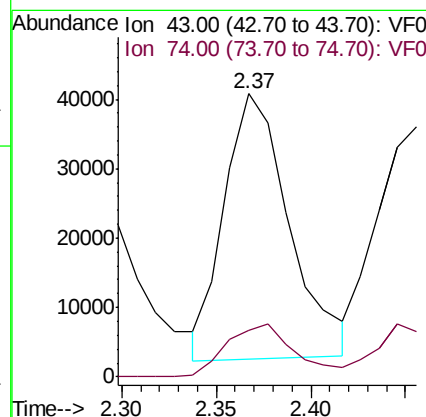
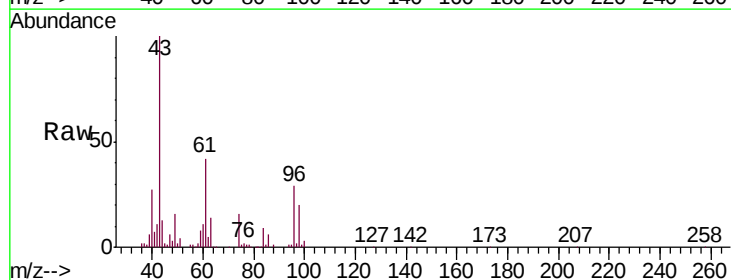
Acq: 22 Mar 2019 13:22

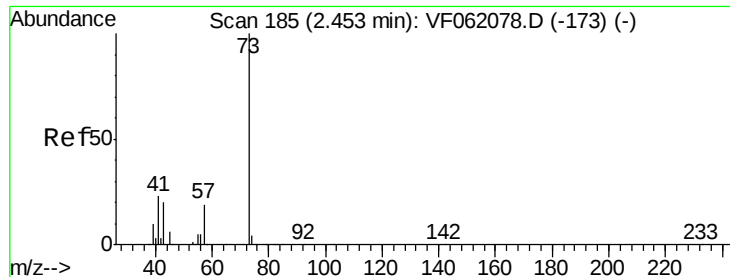
Tgt Ion: 43 Resp: 91450

Ion Ratio Lower Upper

43 100

74 16.5 16.3 24.5



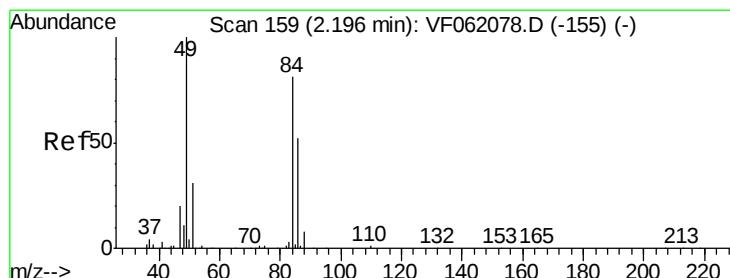
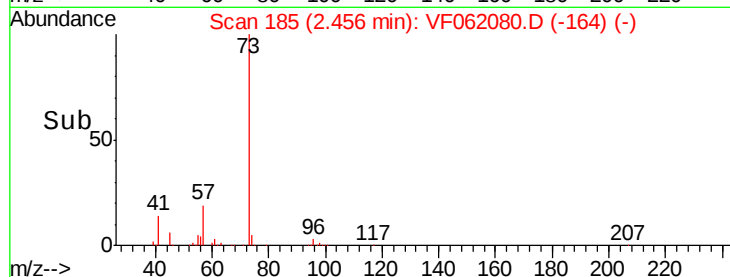
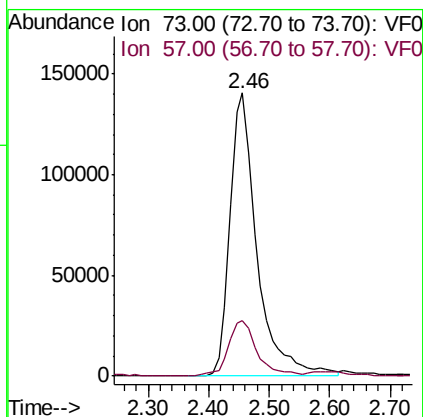
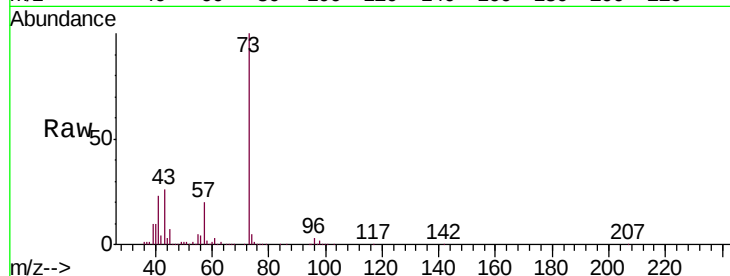


#19

Methyl tert-butyl Ether
 Concen: 101.305 ug/l
 RT: 2.46 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

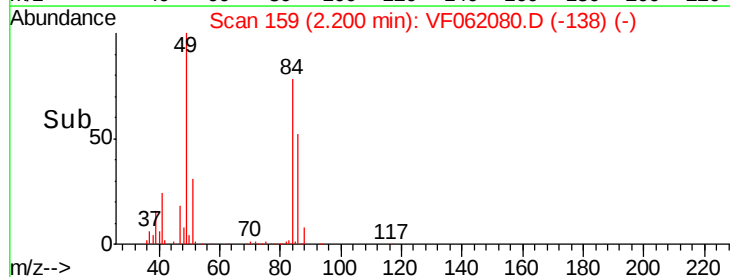
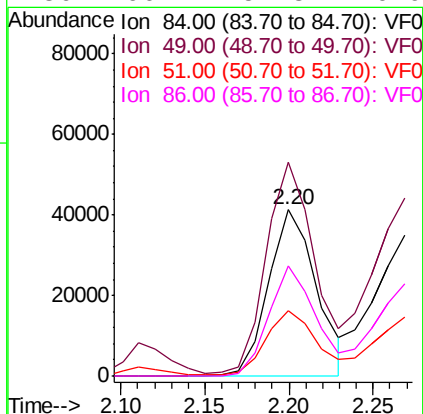
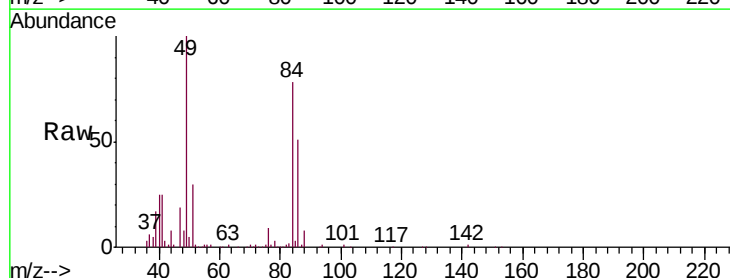
Tgt Ion: 73 Resp: 437761
 Ion Ratio Lower Upper
 73 100
 57 19.7 15.1 22.7

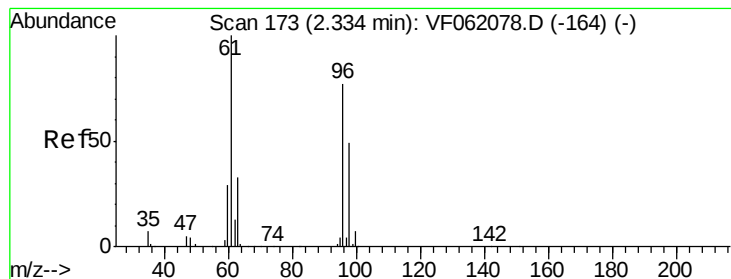


#20

Methylene Chloride
 Concen: 27.552 ug/l
 RT: 2.20 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion: 84 Resp: 81728
 Ion Ratio Lower Upper
 84 100
 49 128.7 100.4 150.6
 51 39.2 31.0 46.6
 86 66.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 89.364 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

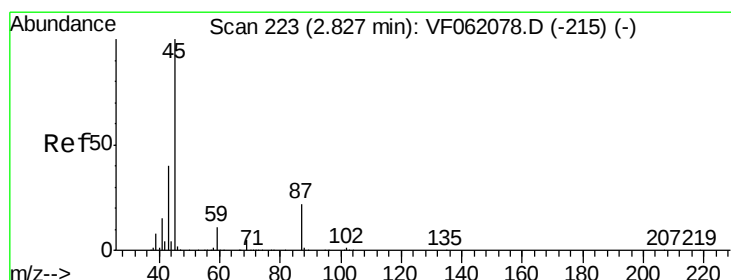
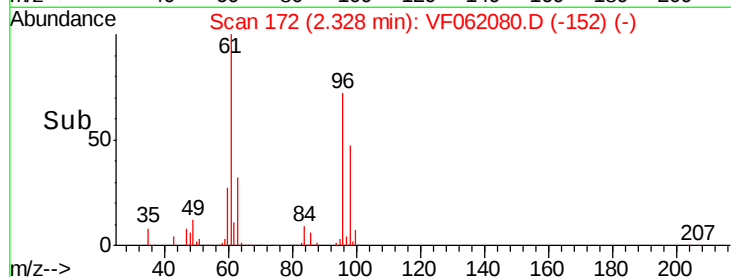
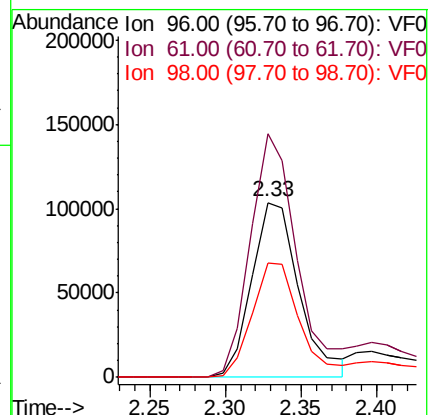
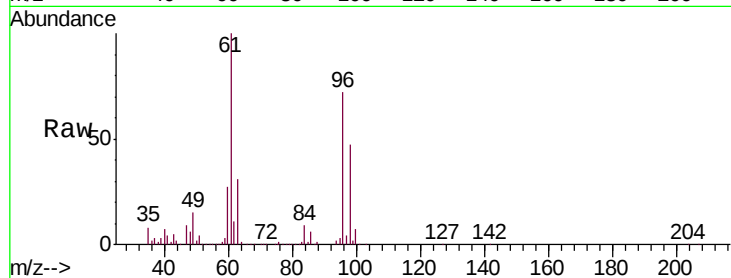
Tgt Ion: 96 Resp: 227073

Ion Ratio Lower Upper

96 100

61 139.5 104.5 156.7

98 65.7 51.2 76.8



#22

Diisopropyl ether

Concen: 99.456 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Tgt Ion: 45 Resp: 761171

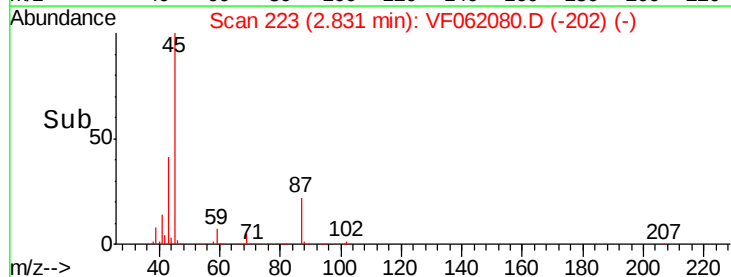
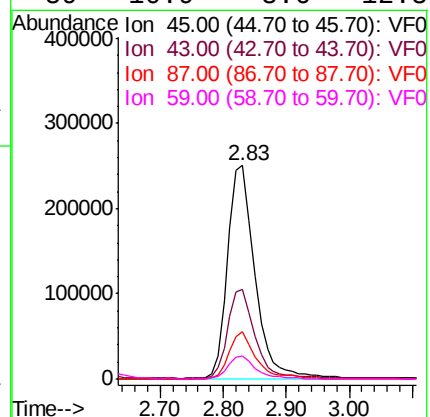
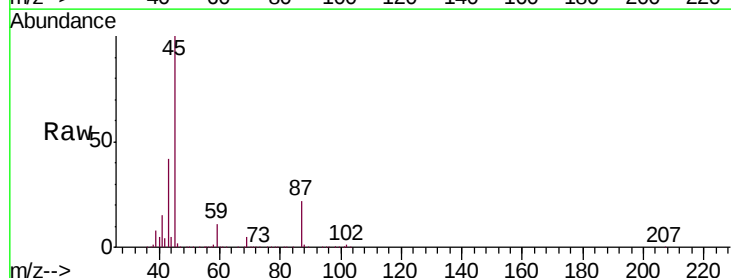
Ion Ratio Lower Upper

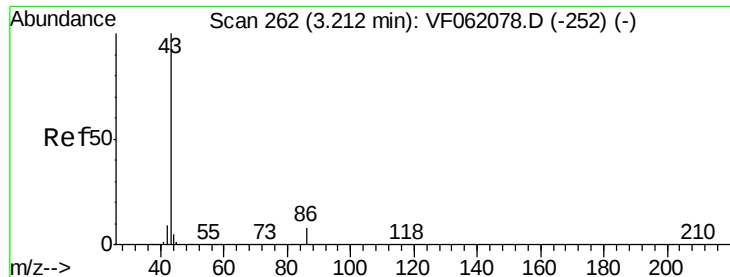
45 100

43 42.1 32.5 48.7

87 22.3 17.4 26.2

59 10.9 8.6 12.8





#23

Vinyl Acetate

Concen: 501.999 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

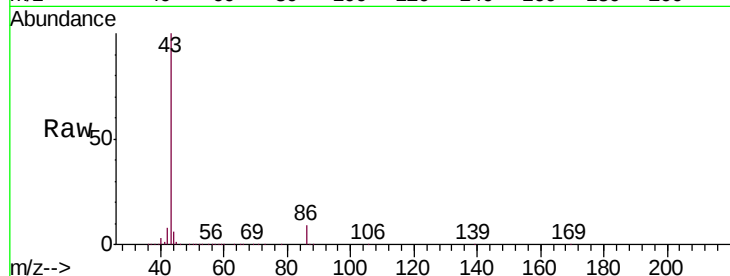
VSTDIC100

Tgt Ion: 43 Resp: 1573014

Ion Ratio Lower Upper

43 100

86 8.9 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.22

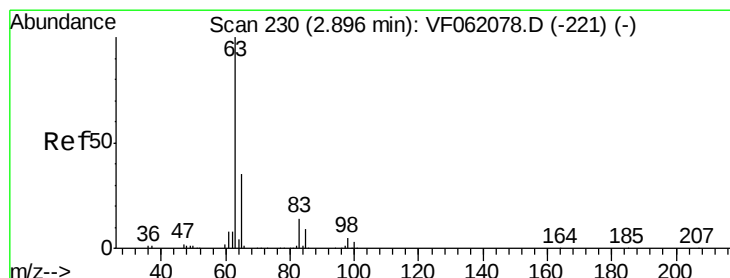
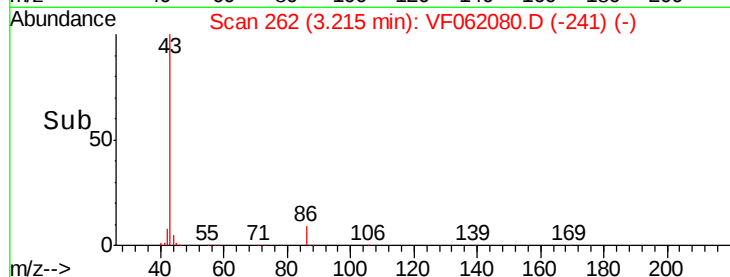
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 97.472 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

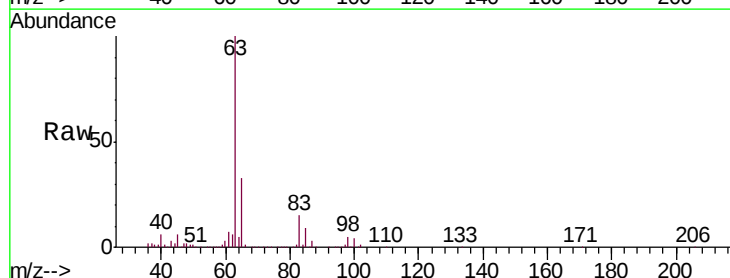
Tgt Ion: 63 Resp: 447353

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.6 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.90

200000

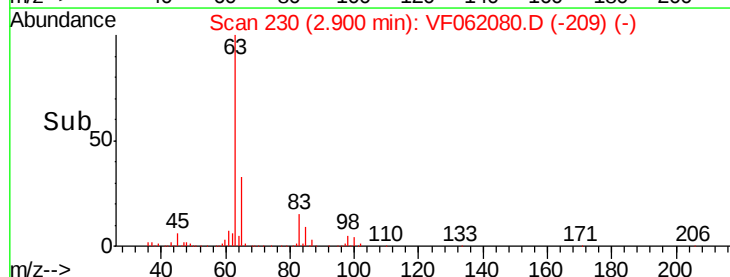
150000

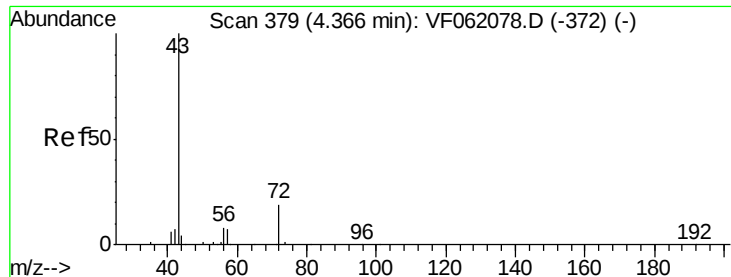
100000

50000

0

Time-->





#25

2-Butanone

Concen: 486.162 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

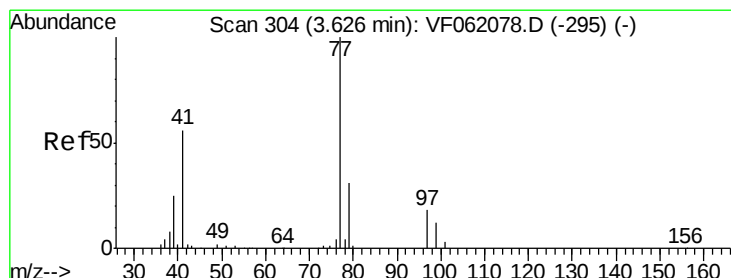
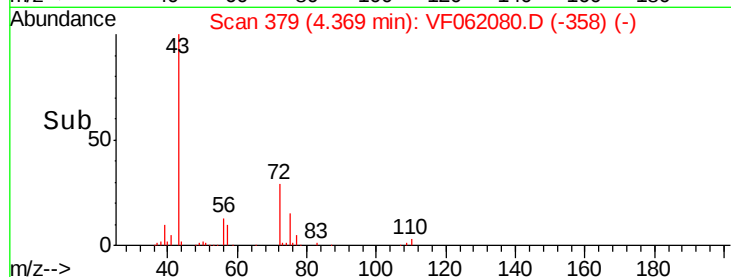
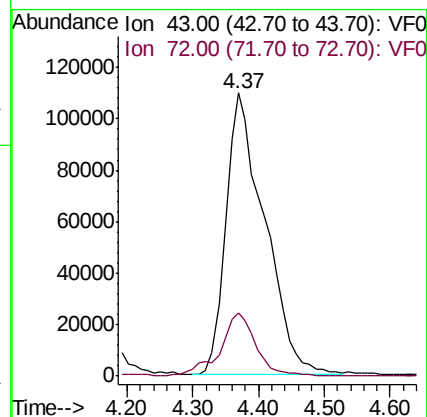
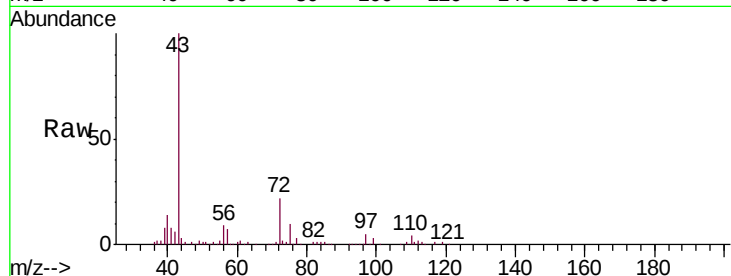
VSTDIC100

Tgt Ion: 43 Resp: 450660

Ion Ratio Lower Upper

43 100

72 22.3 16.7 25.1



#26

2,2-Dichloropropane

Concen: 98.203 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.00 min

Lab File: VF062080.D

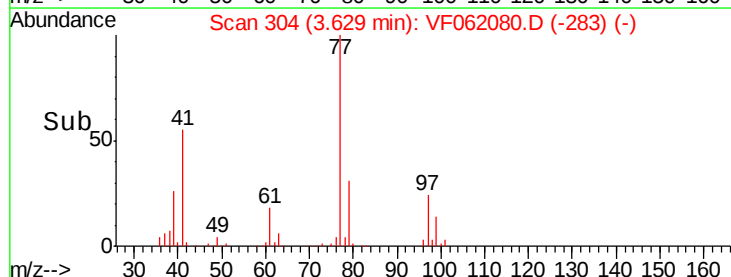
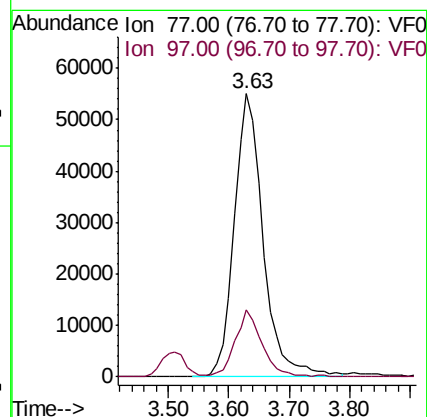
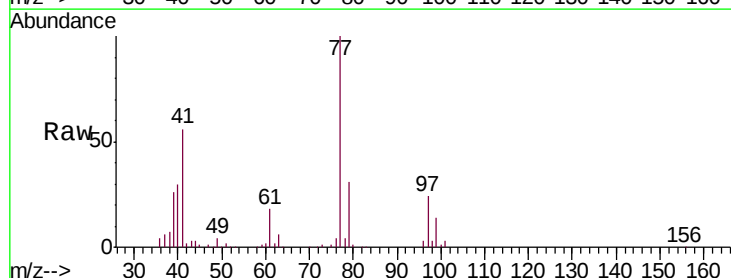
Acq: 22 Mar 2019 13:22

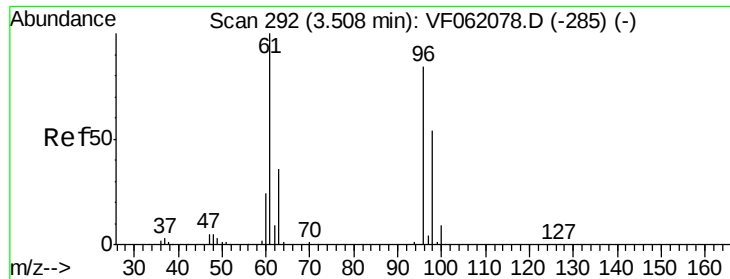
Tgt Ion: 77 Resp: 182742

Ion Ratio Lower Upper

77 100

97 23.6 10.3 30.9



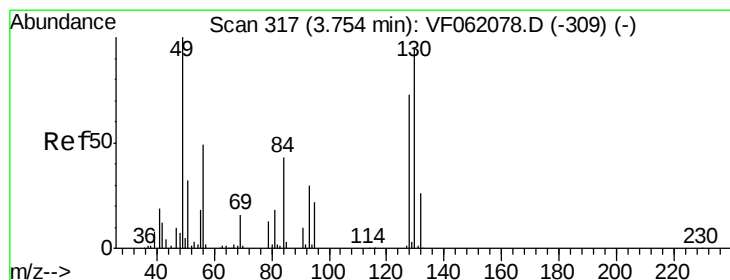
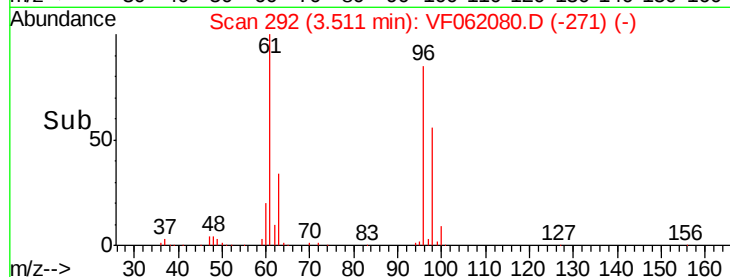
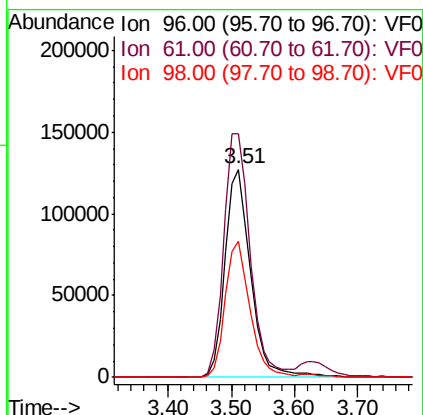
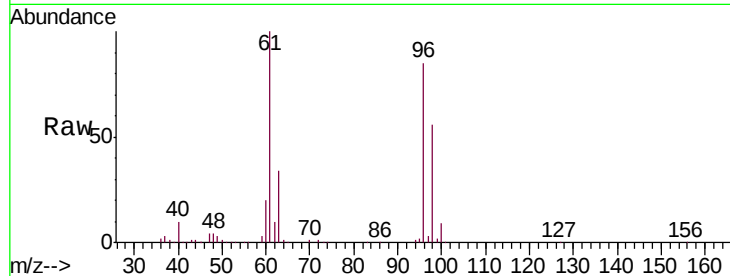


#27

cis-1,2-Dichloroethene
Concen: 102.889 ug/l
RT: 3.51 min Scan# 292
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

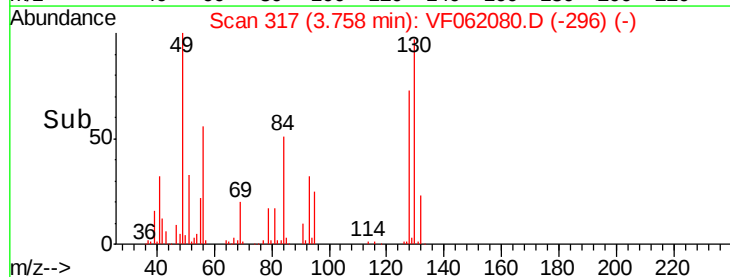
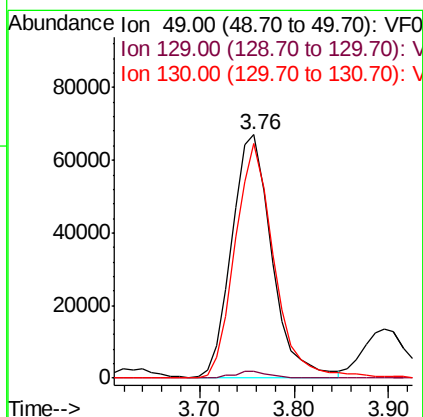
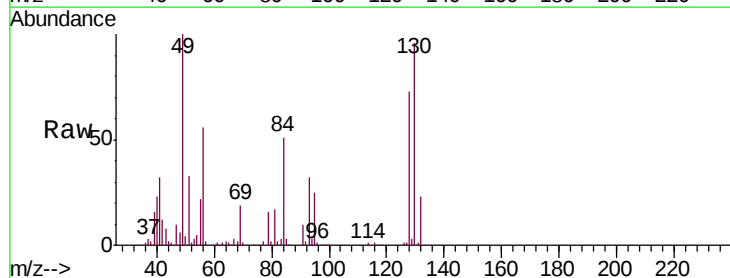
Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.1	0.0	239.0
98	65.3	0.0	128.2

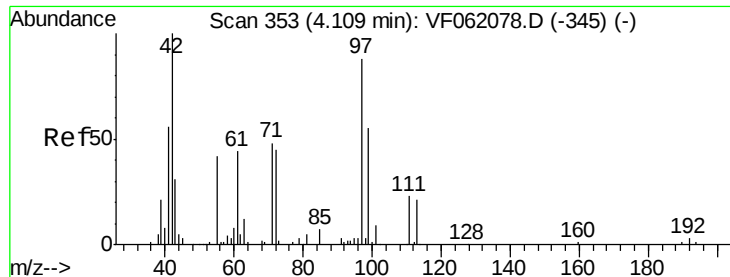


#28

Bromochloromethane
Concen: 104.863 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	96.4	75.5	113.3





#29

Tetrahydrofuran

Concen: 480.852 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

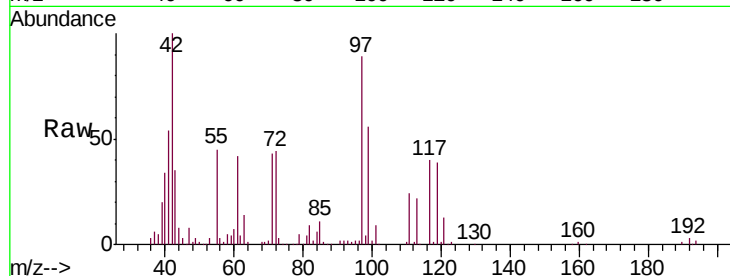
Tgt Ion: 42 Resp: 193800

Ion Ratio Lower Upper

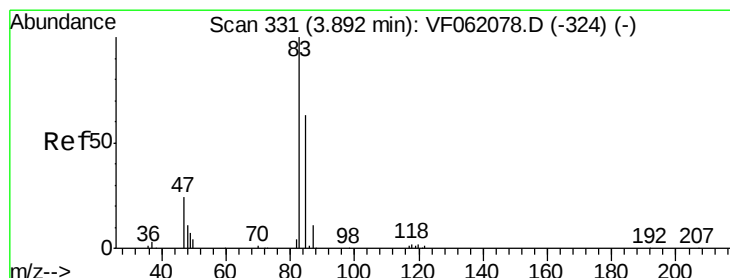
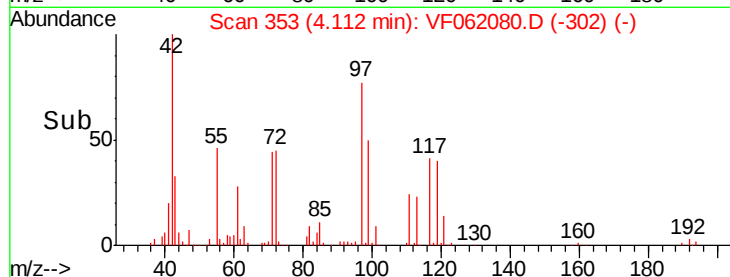
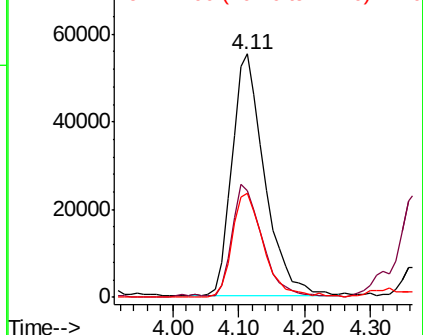
42 100

72 42.8 33.3 49.9

71 41.7 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: 98.564 ug/l

RT: 3.90 min Scan# 331

Delta R.T. 0.00 min

Lab File: VF062080.D

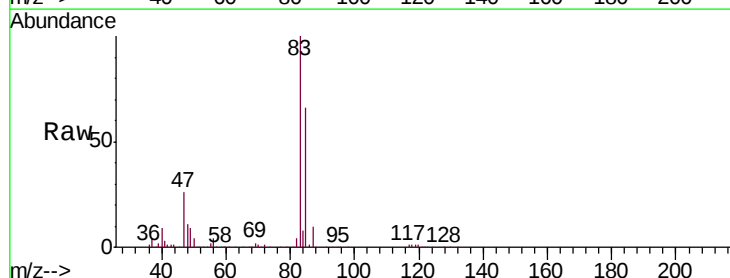
Acq: 22 Mar 2019 13:22

Tgt Ion: 83 Resp: 478071

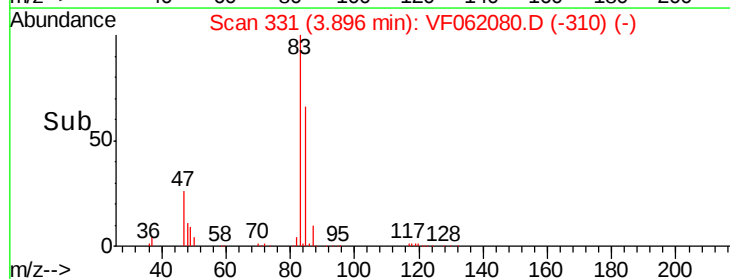
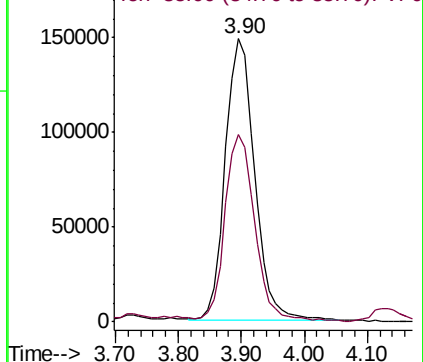
Ion Ratio Lower Upper

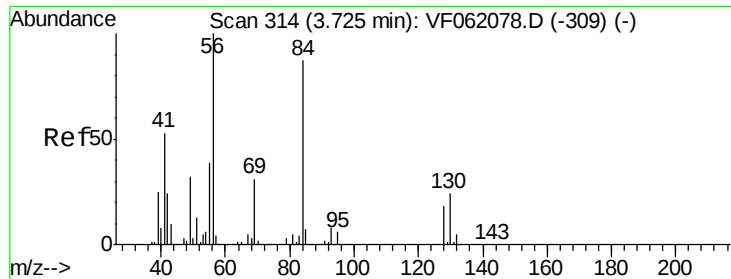
83 100

85 66.2 51.5 77.3



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

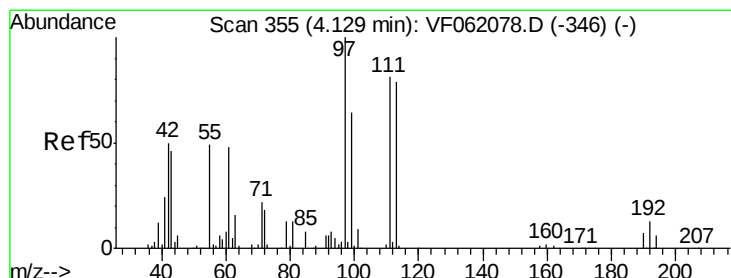
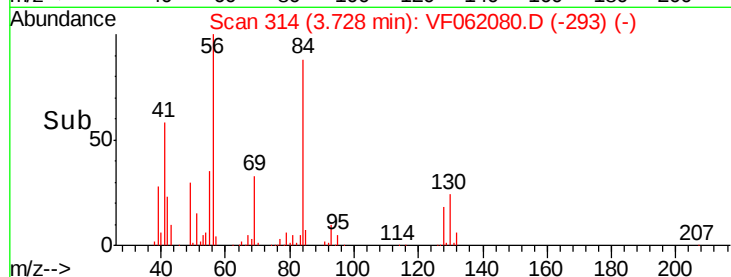
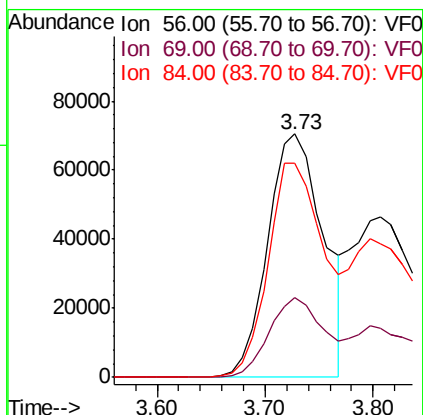
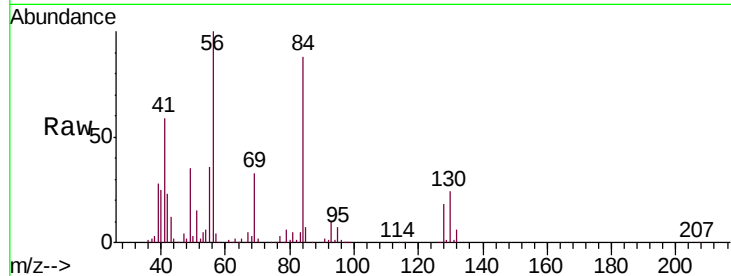




#31
Cyclohexane
Concen: 56.327 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

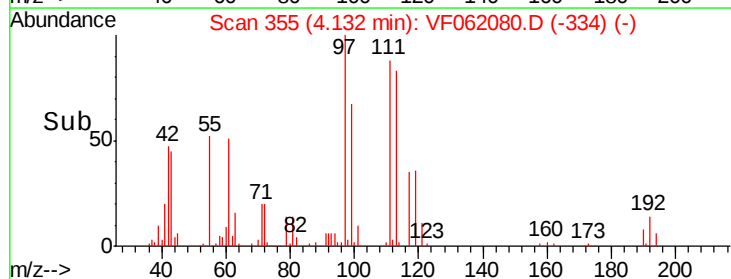
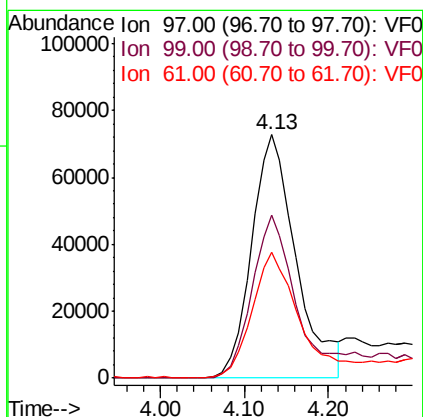
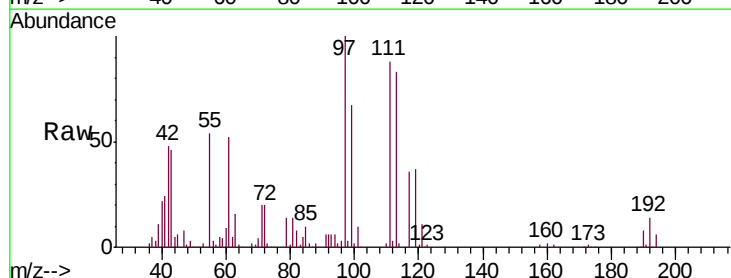
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

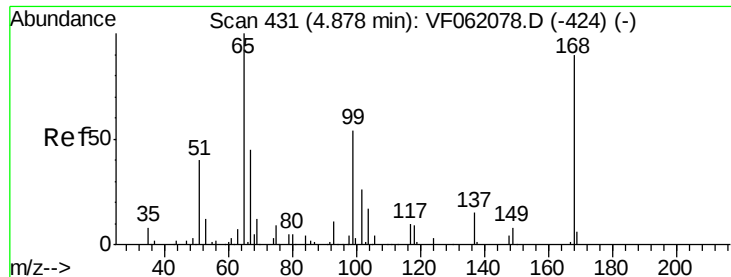
Tgt Ion: 56 Resp: 253700
Ion Ratio Lower Upper
56 100
69 32.9 25.9 38.9
84 88.1 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 91.308 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion: 97 Resp: 269404
Ion Ratio Lower Upper
97 100
99 66.8 51.3 76.9
61 51.8 39.0 58.6

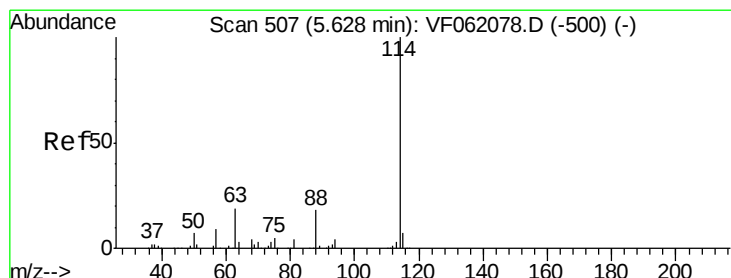
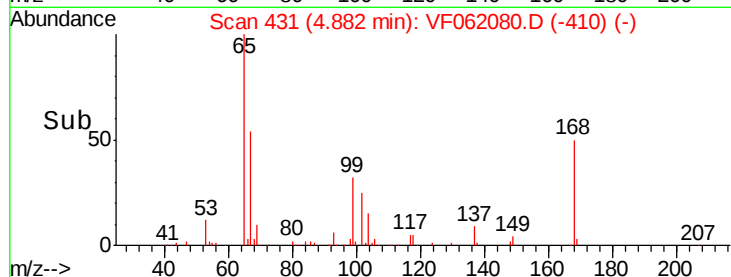
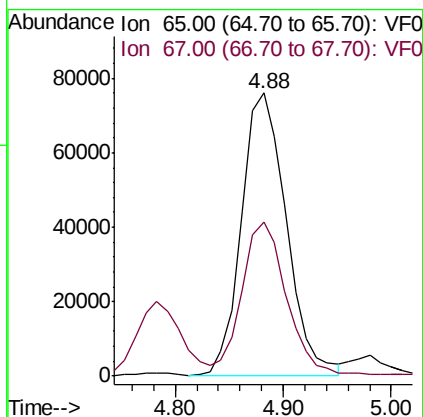
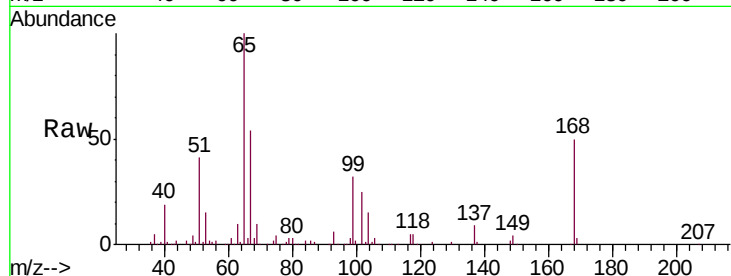




#33
 1,2-Dichloroethane-d4
 Concen: 103.735 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

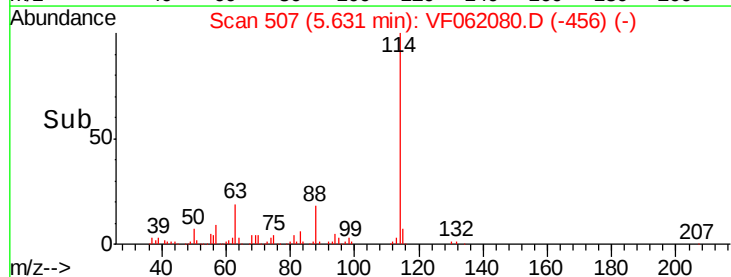
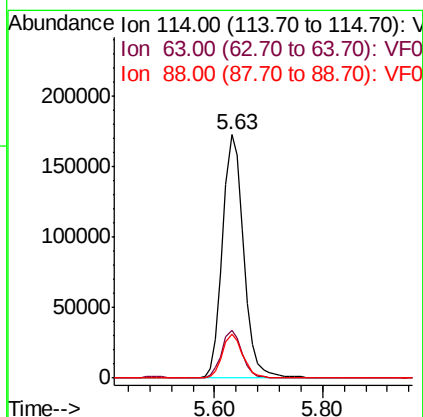
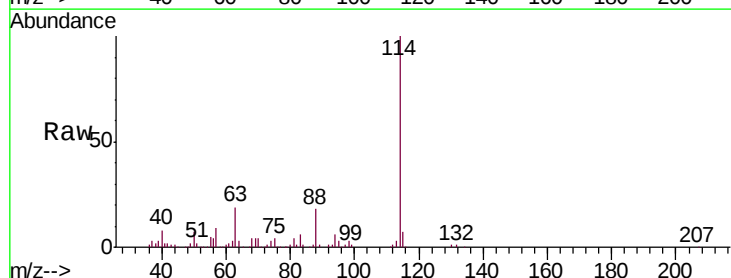
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

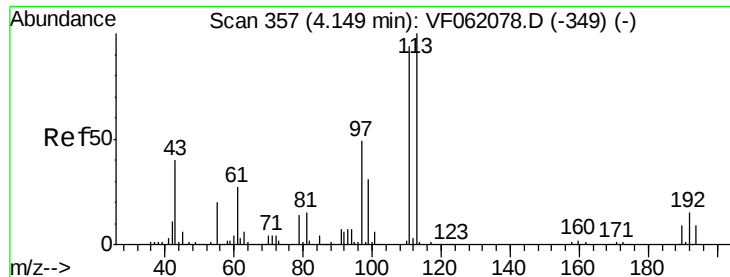
Tgt Ion: 65 Resp: 218855
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion: 114 Resp: 470921
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.8
 88 18.0 0.0 36.4

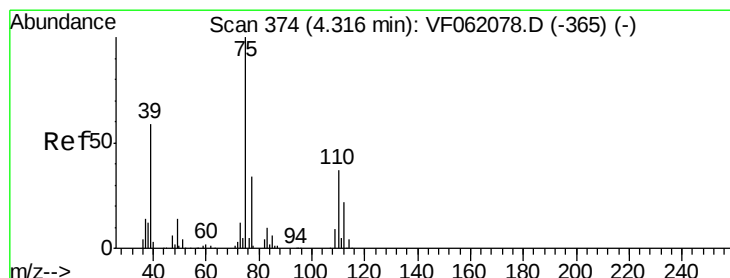
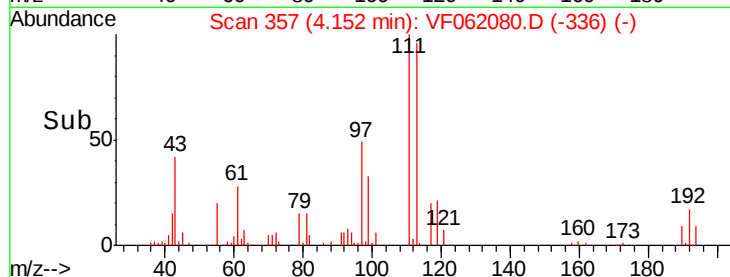
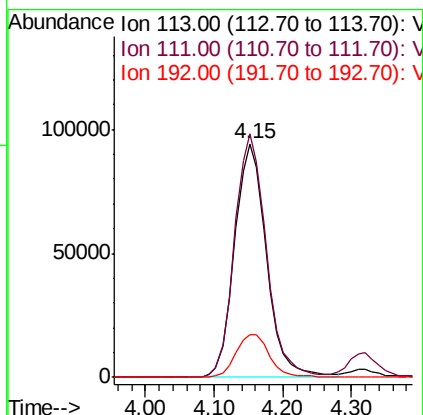
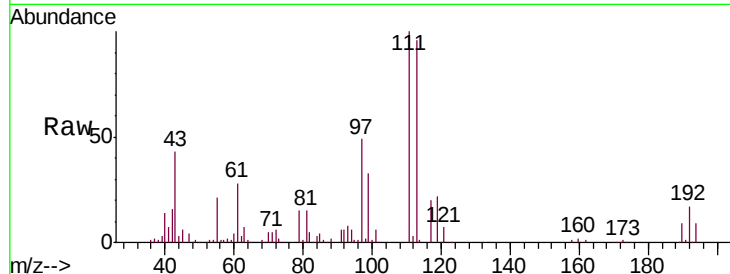




#35
 Dibromofluoromethane
 Concen: 95.352 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

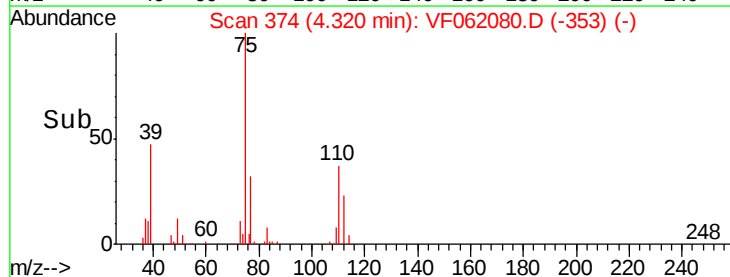
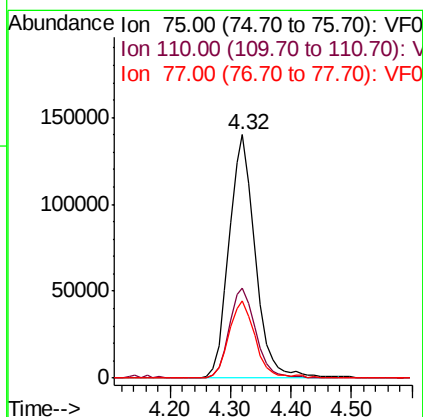
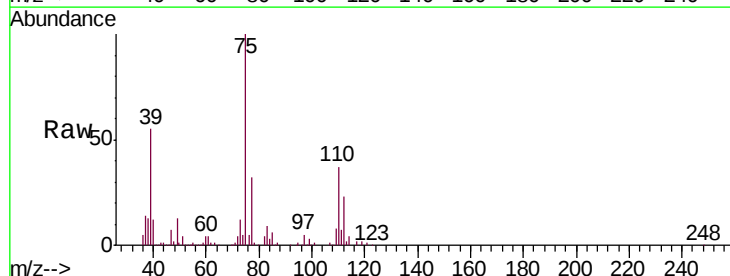
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

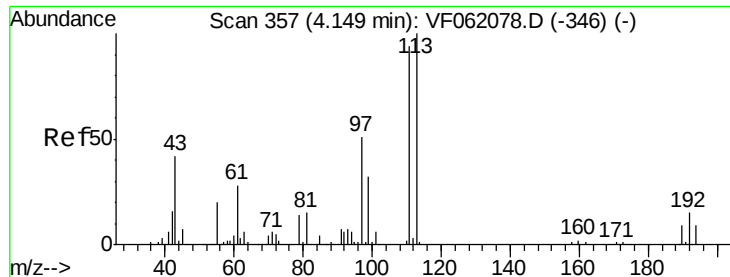
Tgt Ion: 113 Resp: 303754
 Ion Ratio Lower Upper
 113 100
 111 104.2 75.4 113.0
 192 18.0 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 94.209 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion: 75 Resp: 422578
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.5 55.5
 77 31.9 27.4 41.0

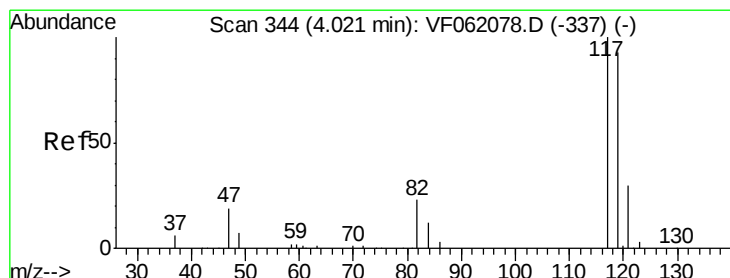
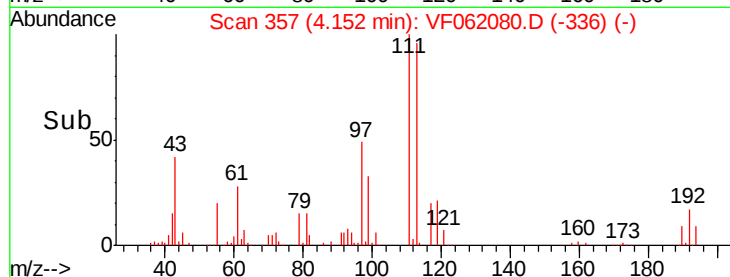
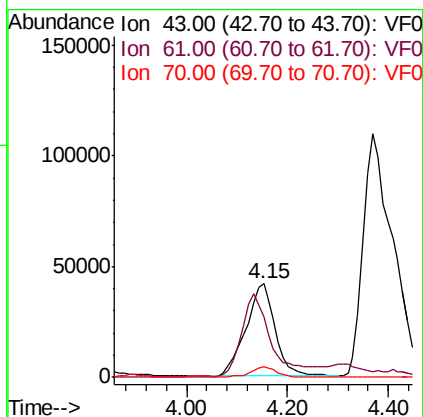
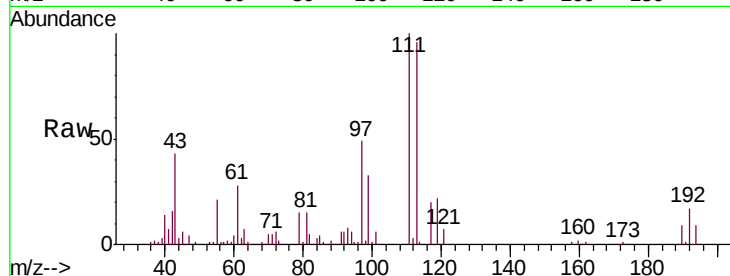




#37
Ethyl Acetate
Concen: 86.779 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

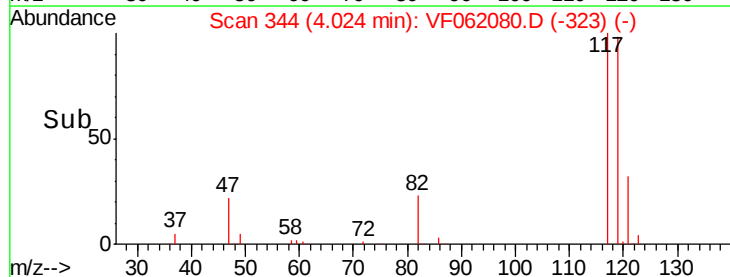
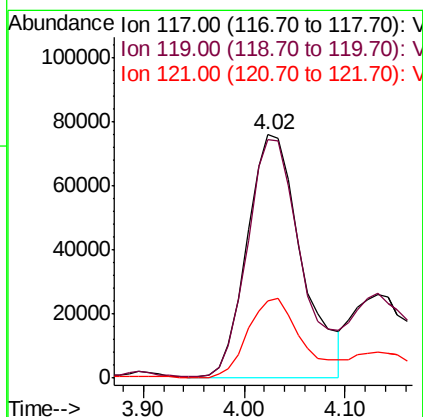
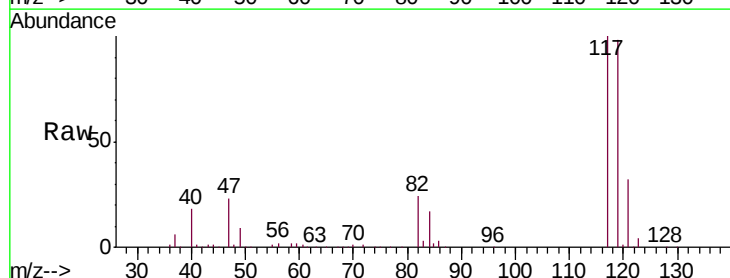
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

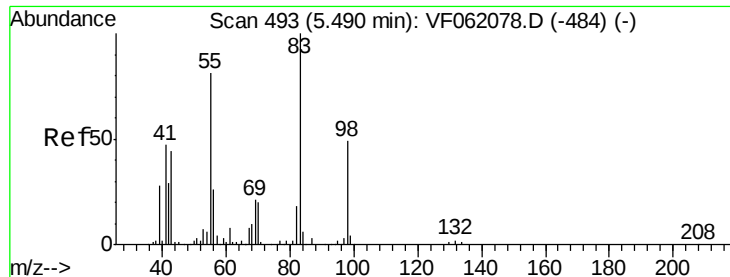
Tgt Ion: 43 Resp: 170112
Ion Ratio Lower Upper
43 100
61 65.3 53.6 80.4
70 11.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 92.900 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion: 117 Resp: 284013
Ion Ratio Lower Upper
117 100
119 98.2 74.7 112.1
121 31.8 23.6 35.4

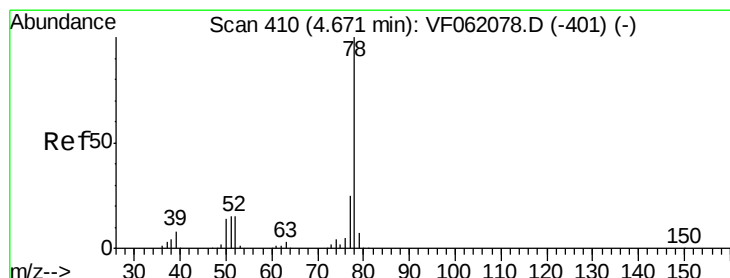
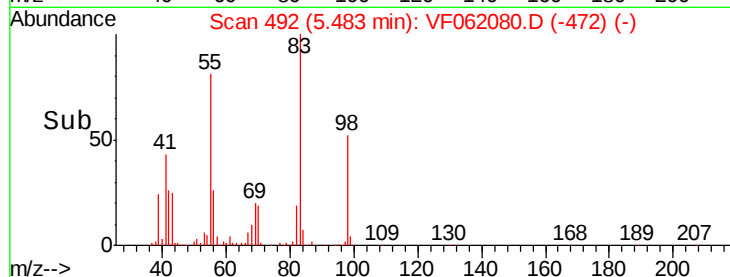
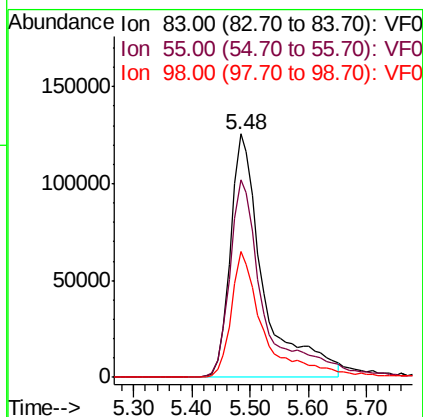
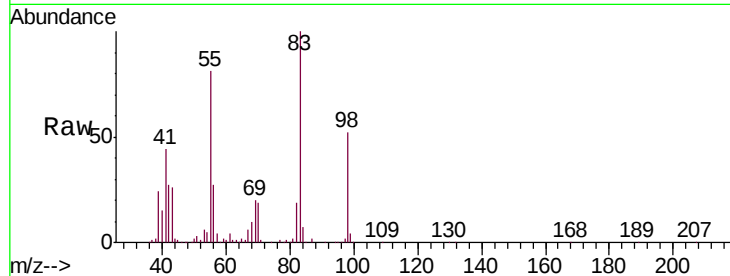




#39
Methylcyclohexane
Concen: 96.054 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

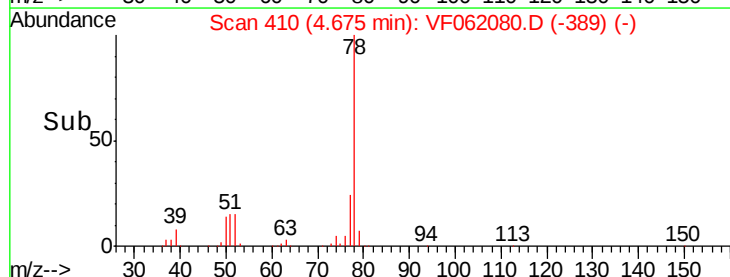
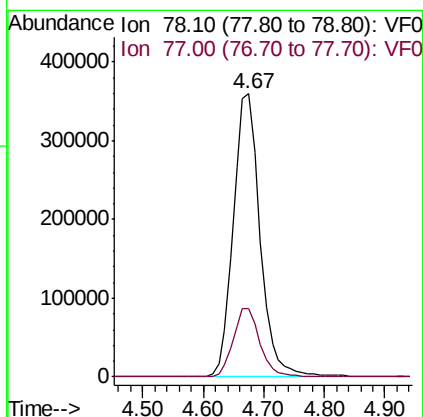
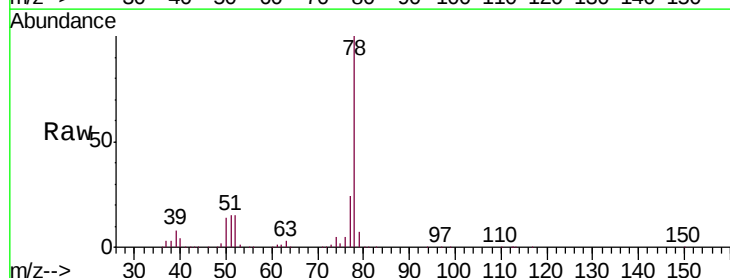
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

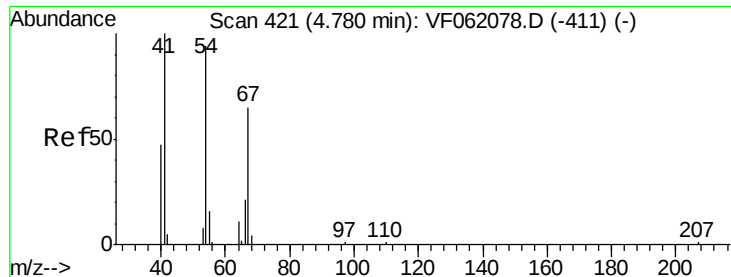
Tgt Ion: 83 Resp: 500049
Ion Ratio Lower Upper
83 100
55 80.9 64.5 96.7
98 51.7 39.1 58.7



#40
Benzene
Concen: 92.076 ug/l
RT: 4.67 min Scan# 410
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion: 78 Resp: 1107194
Ion Ratio Lower Upper
78 100
77 24.2 19.8 29.6

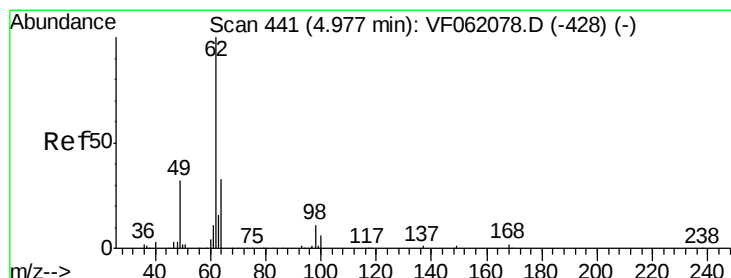
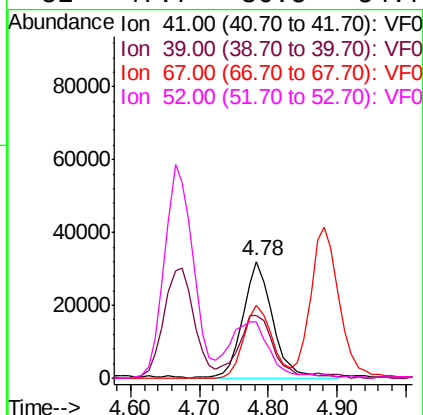
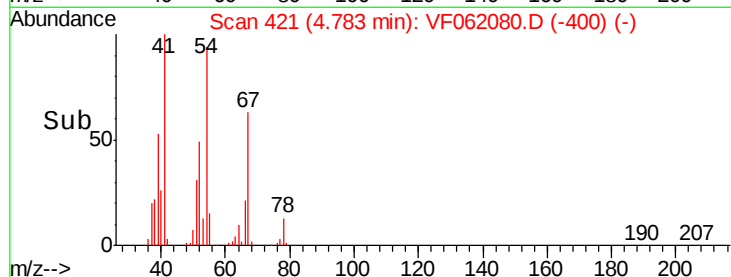
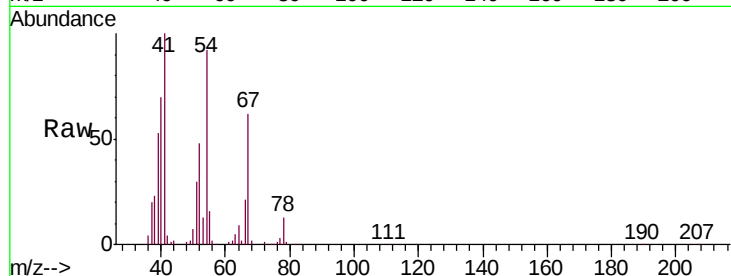




#41
Methacrylonitrile
Concen: 93.027 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

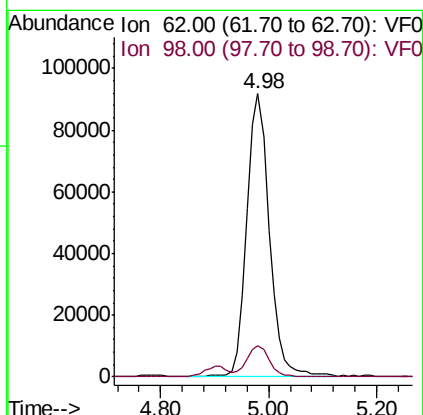
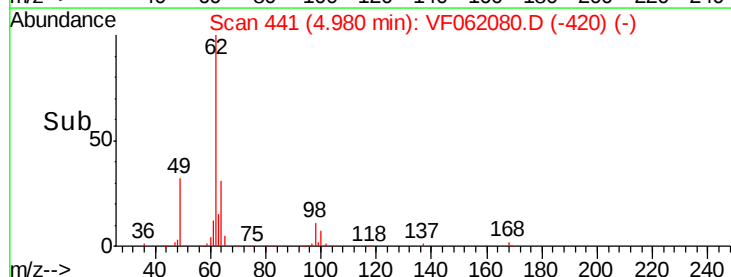
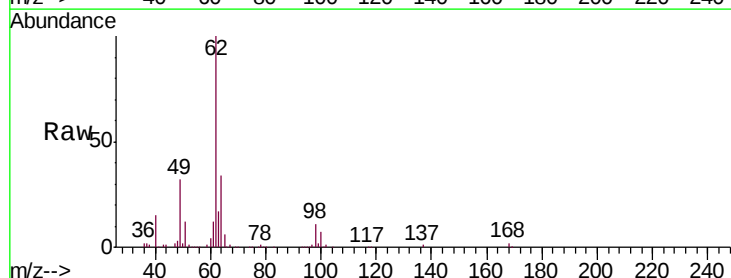
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

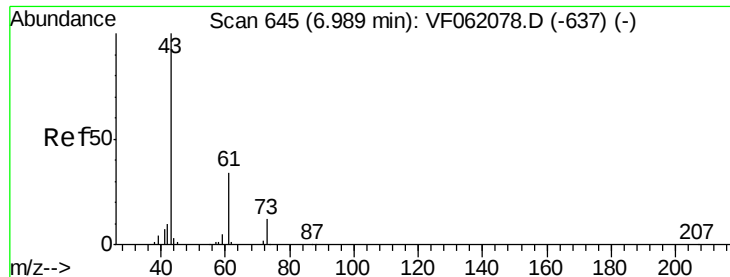
Tgt Ion:	41	Resp:	96489
Ion	Ratio	Lower	Upper
41	100		
39	53.1	43.5	65.3
67	62.1	51.6	77.4
52	47.7	36.5	54.7



#42
1,2-Dichloroethane
Concen: 93.793 ug/l
RT: 4.98 min Scan# 441
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion:	62	Resp:	266708
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	23.2





#43

Isopropyl Acetate

Concen: 89.010 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

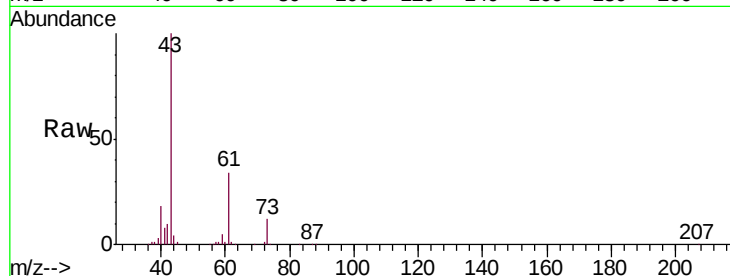
Tgt Ion: 43 Resp: 211313

Ion Ratio Lower Upper

43 100

61 34.4 27.0 40.4

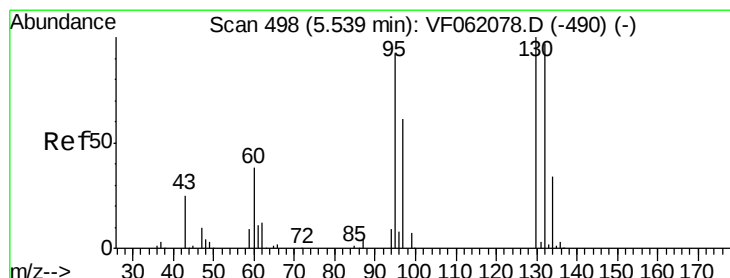
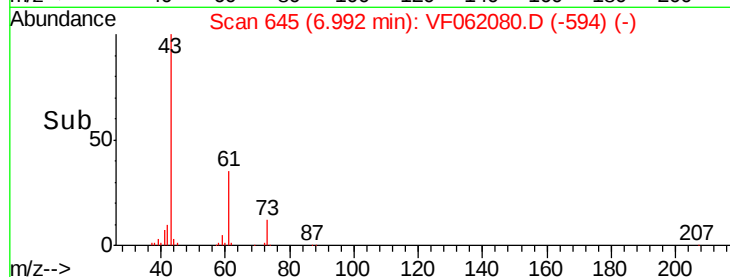
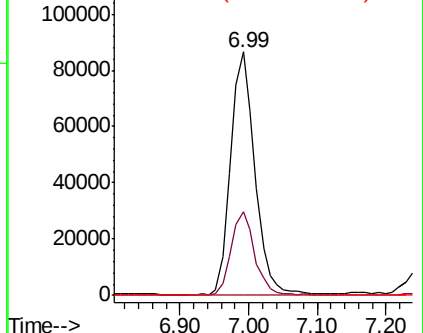
87 0.3 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 91.594 ug/l

RT: 5.54 min Scan# 498

Delta R.T. 0.00 min

Lab File: VF062080.D

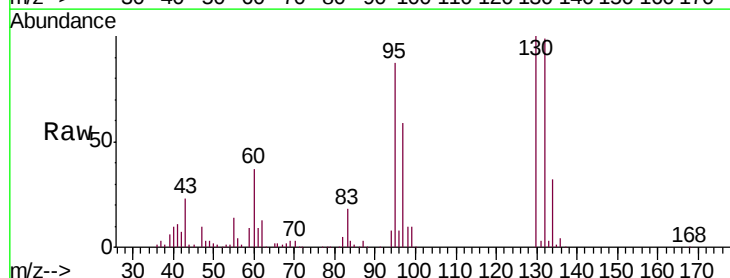
Acq: 22 Mar 2019 13:22

Tgt Ion: 130 Resp: 336736

Ion Ratio Lower Upper

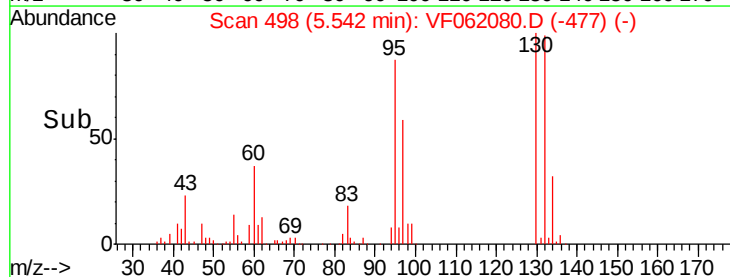
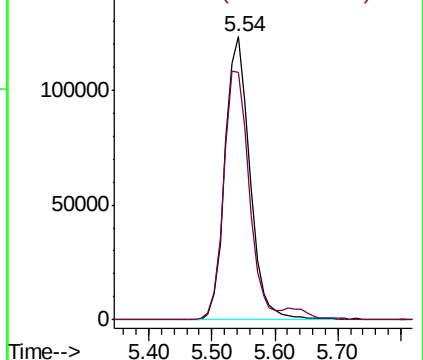
130 100

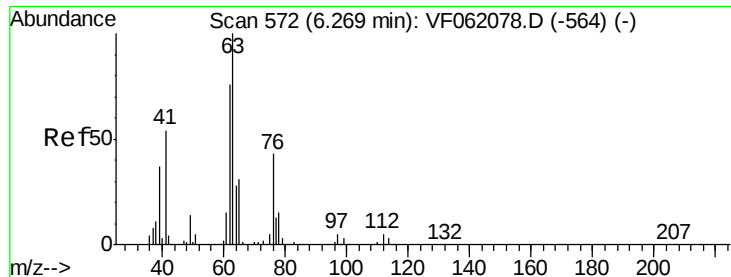
95 87.3 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 94.270 ug/l

RT: 6.27 min Scan# 572

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

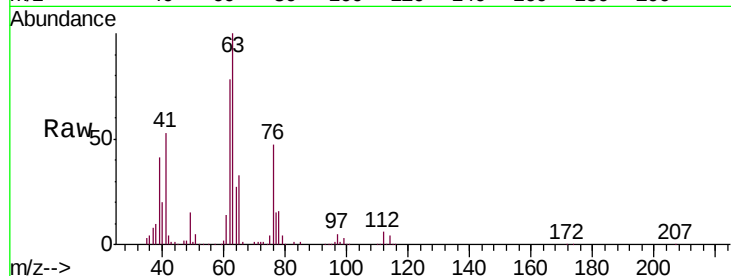
VSTDIC100

Tgt Ion: 63 Resp: 270369

Ion Ratio Lower Upper

63 100

65 32.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.27

100000

80000

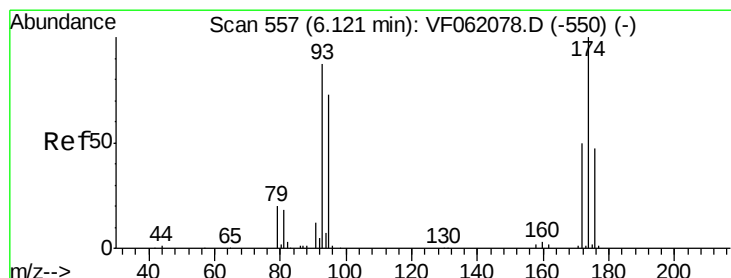
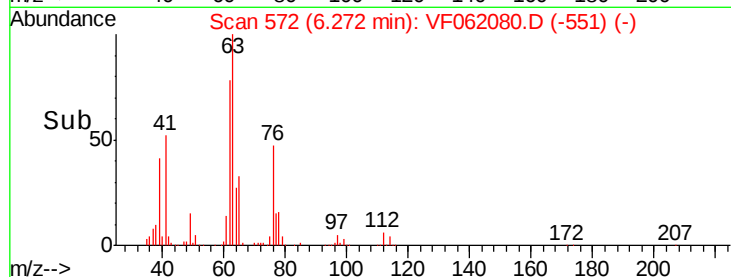
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 95.295 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

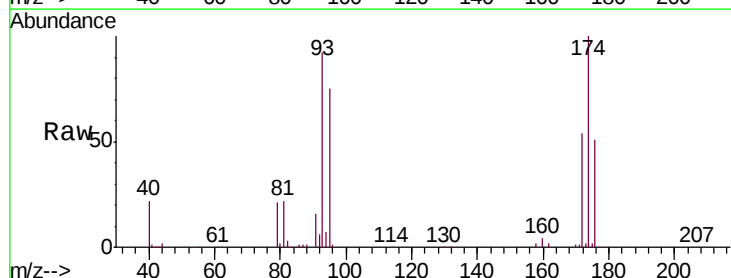
Tgt Ion: 93 Resp: 167109

Ion Ratio Lower Upper

93 100

95 81.4 67.4 101.2

174 108.2 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

80000

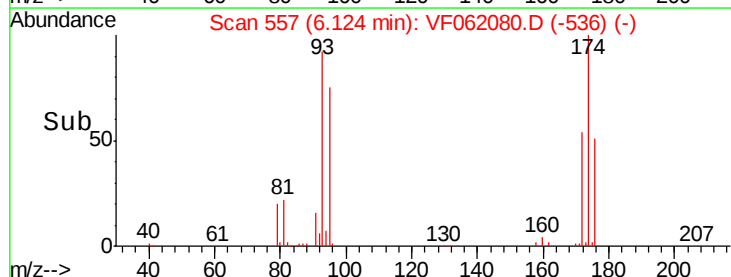
60000

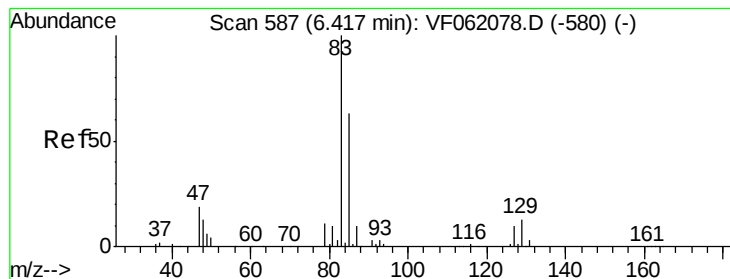
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 97.533 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

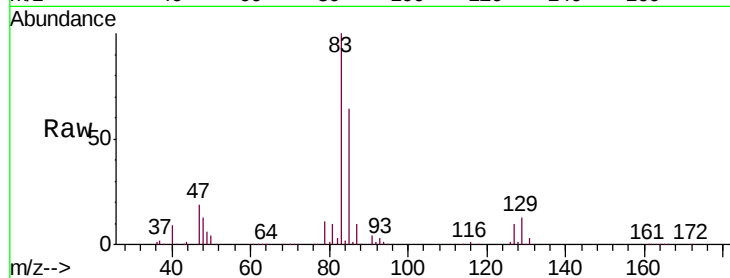
Tgt Ion: 83 Resp: 378840

Ion Ratio Lower Upper

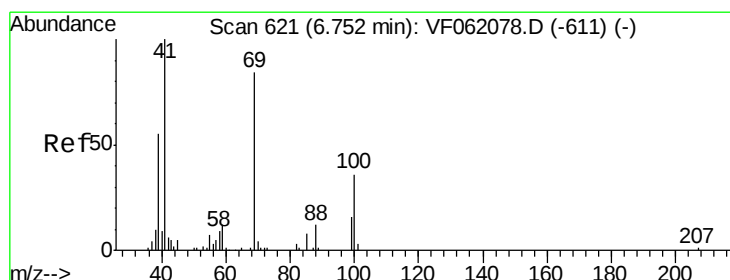
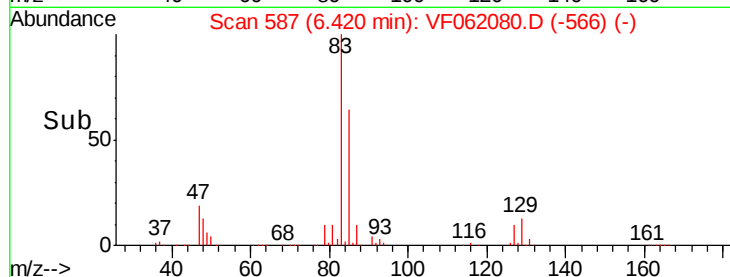
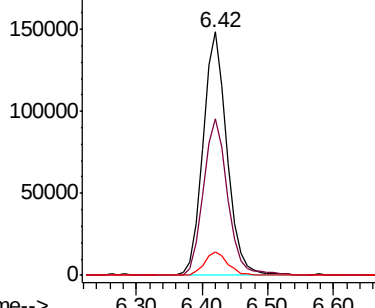
83 100

85 64.2 50.7 76.1

127 9.5 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: 97.290 ug/l

RT: 6.75 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

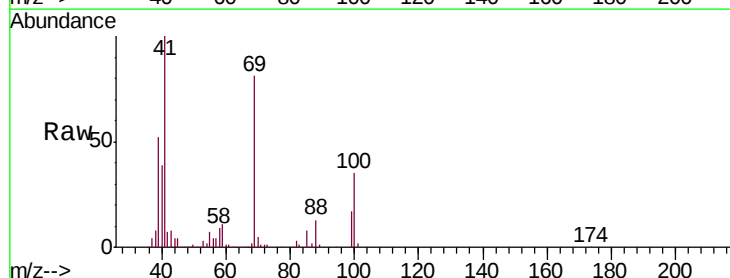
Tgt Ion: 41 Resp: 131507

Ion Ratio Lower Upper

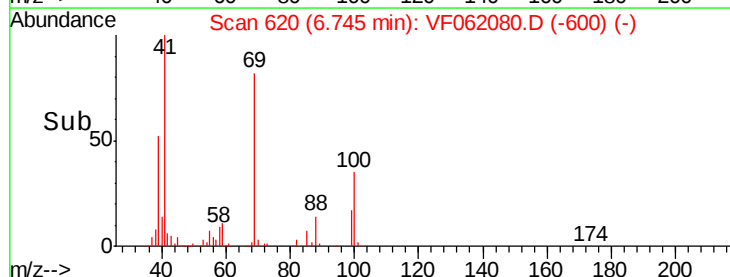
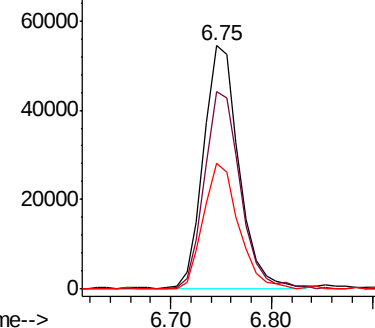
41 100

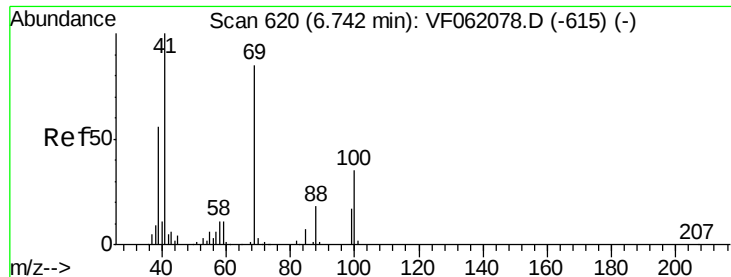
69 80.9 66.6 100.0

39 51.7 43.6 65.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2032.840 ug/l

RT: 6.74 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

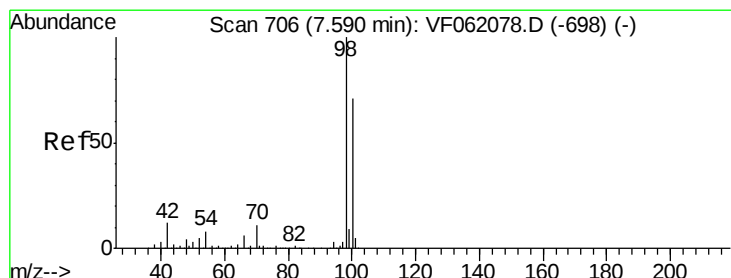
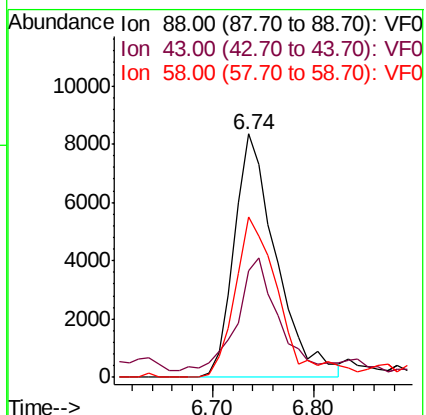
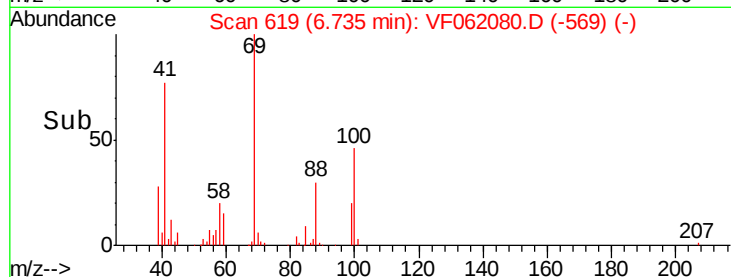
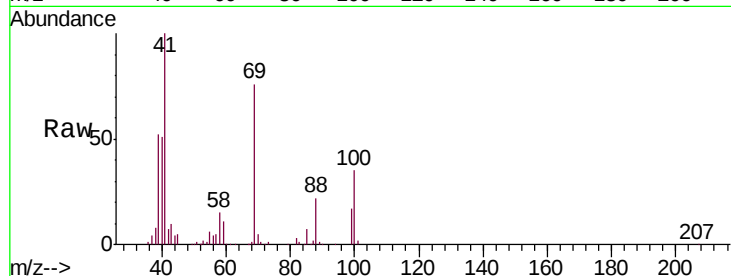
Tgt Ion: 88 Resp: 24111

Ion Ratio Lower Upper

88 100

43 43.9 35.0 52.4

58 65.9 49.9 74.9



#50

Toluene-d8

Concen: 92.538 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF062080.D

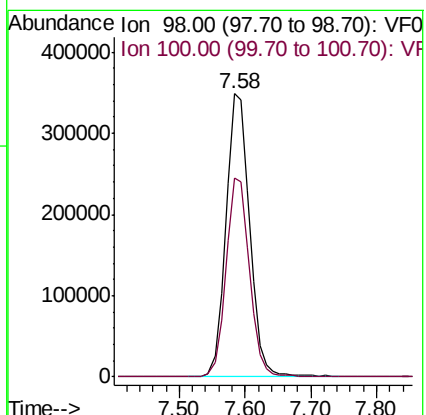
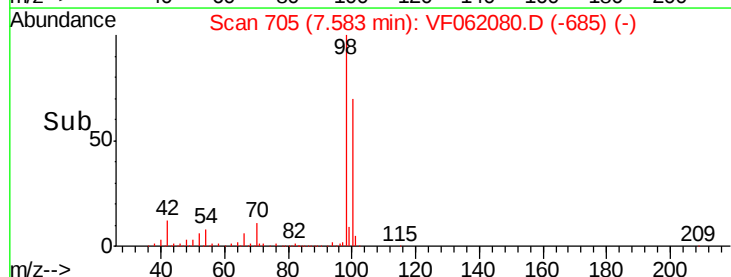
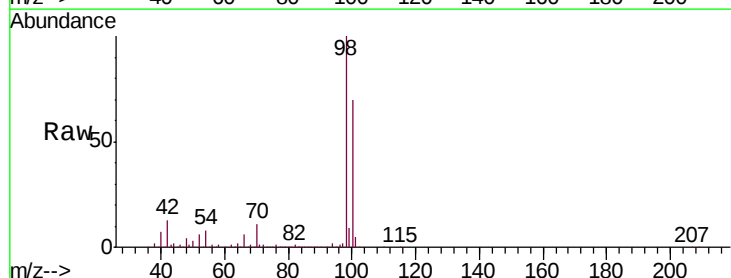
Acq: 22 Mar 2019 13:22

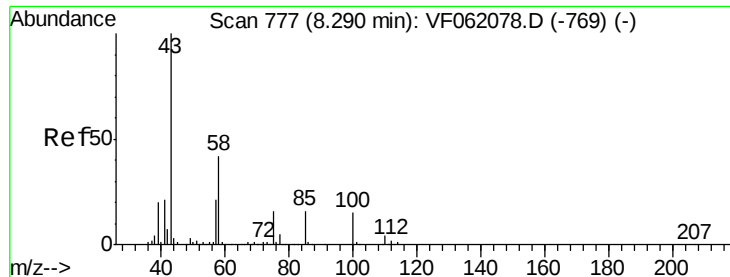
Tgt Ion: 98 Resp: 879953

Ion Ratio Lower Upper

98 100

100 70.5 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 424.675 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

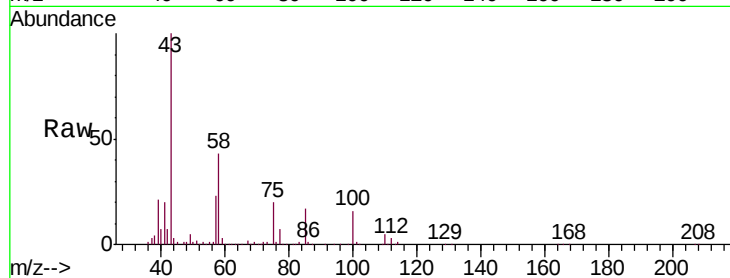
VSTDIC100

Tgt Ion: 43 Resp: 674793

Ion Ratio Lower Upper

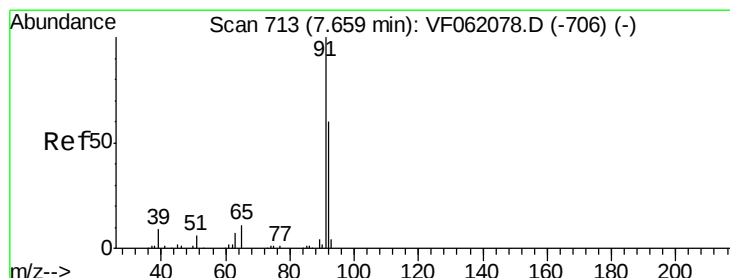
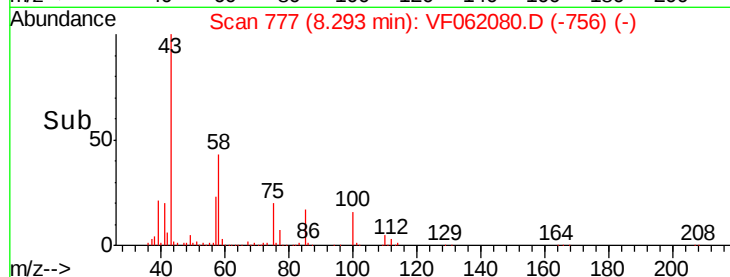
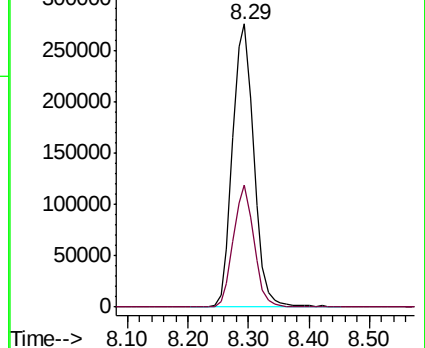
43 100

58 43.1 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: 92.457 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.00 min

Lab File: VF062080.D

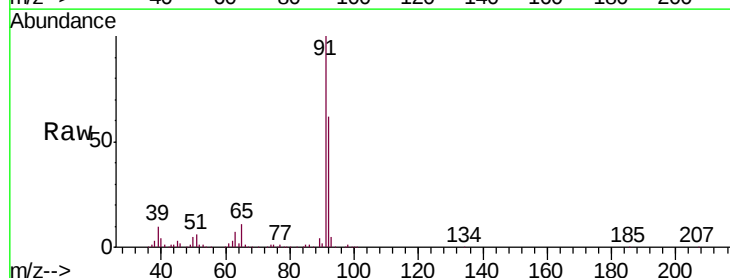
Acq: 22 Mar 2019 13:22

Tgt Ion: 92 Resp: 643950

Ion Ratio Lower Upper

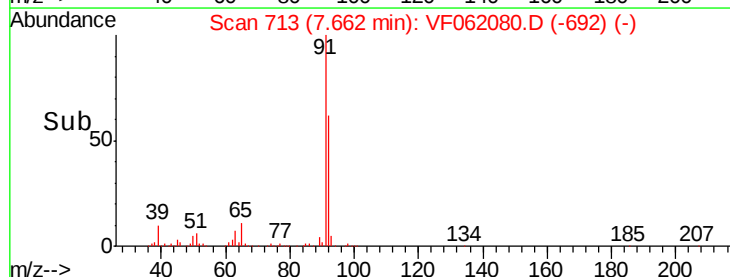
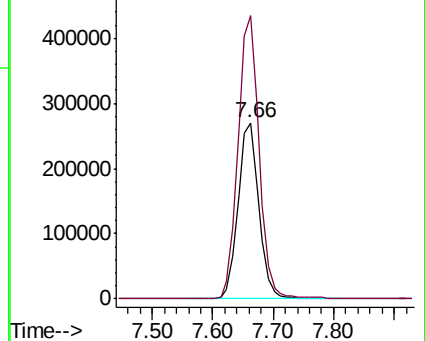
92 100

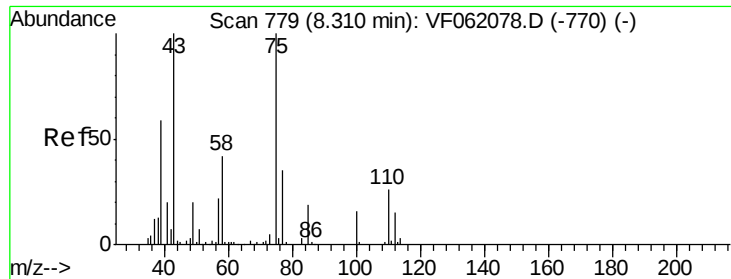
91 160.4 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

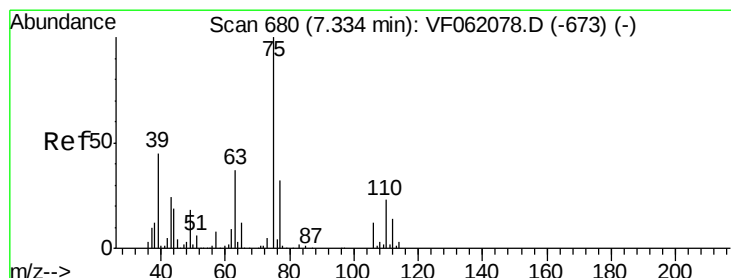
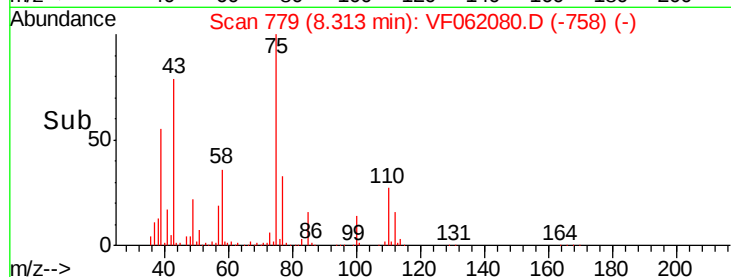
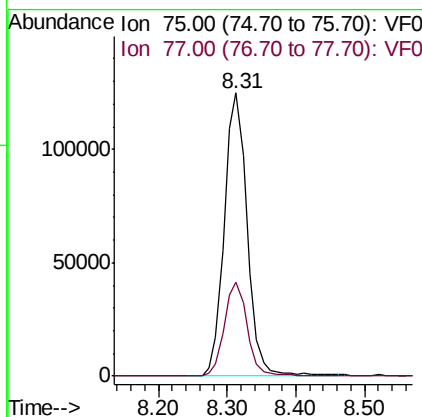
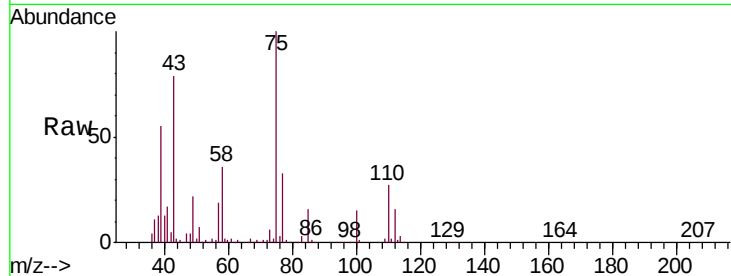




#53
 t-1,3-Dichloropropene
 Concen: 94.527 ug/l
 RT: 8.31 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

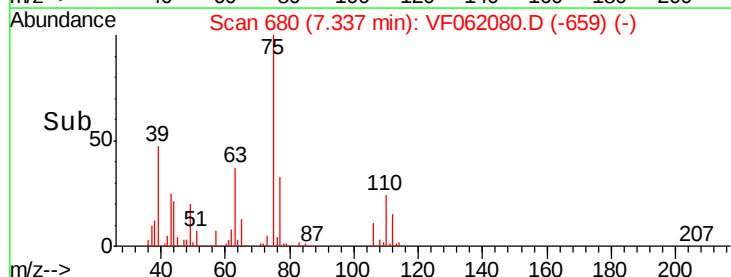
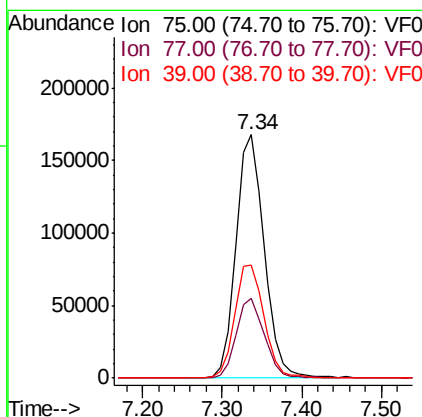
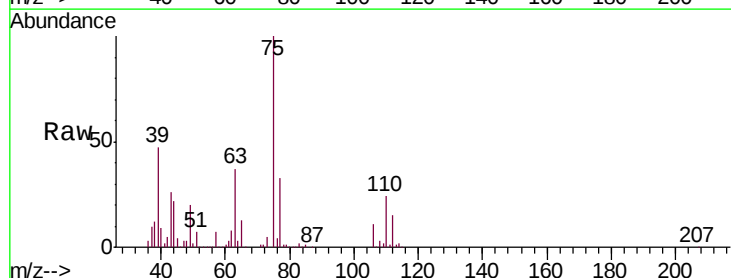
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

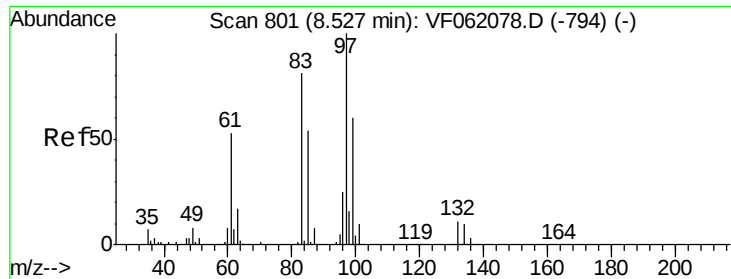
Tgt Ion: 75 Resp: 288232
 Ion Ratio Lower Upper
 75 100
 77 33.3 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 94.672 ug/l
 RT: 7.34 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion: 75 Resp: 413042
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.6
 39 46.5 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 94.399 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 186753

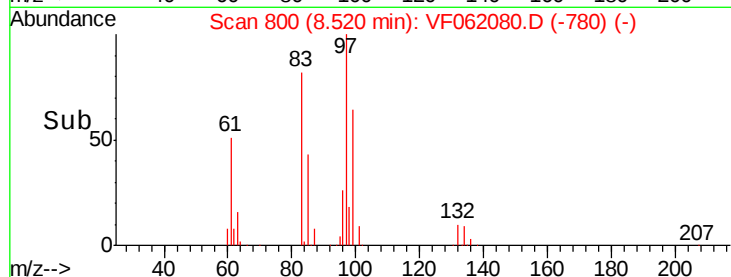
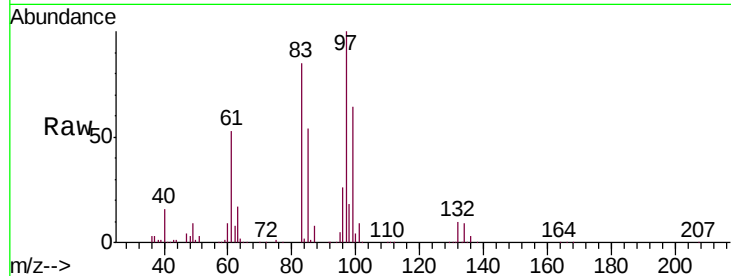
Ion Ratio Lower Upper

97 100

83 85.0 64.6 97.0

85 53.6 43.6 65.4

99 63.5 48.2 72.2

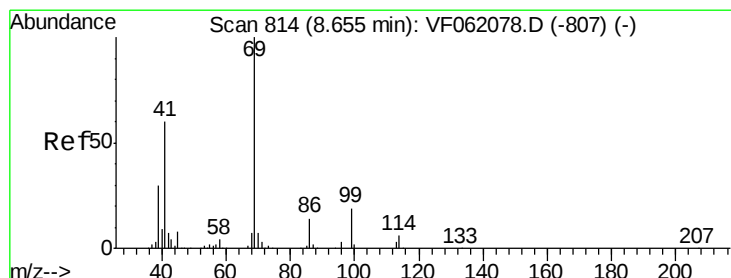
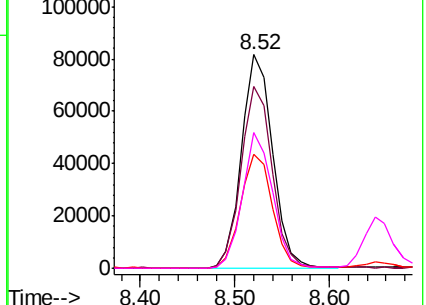


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 87.484 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

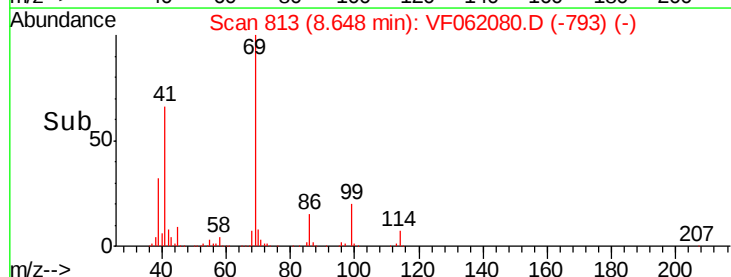
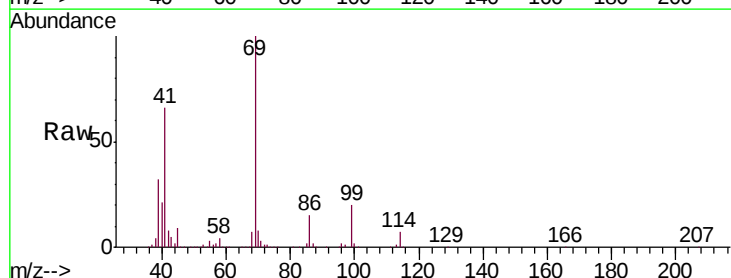
Tgt Ion: 69 Resp: 206409

Ion Ratio Lower Upper

69 100

41 65.9 48.2 72.2

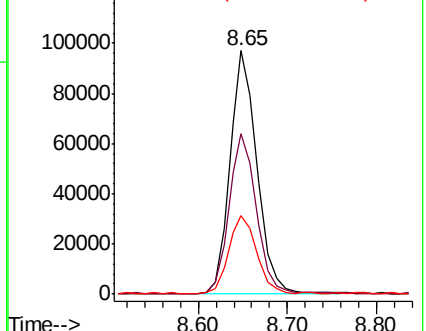
39 32.2 24.0 36.0

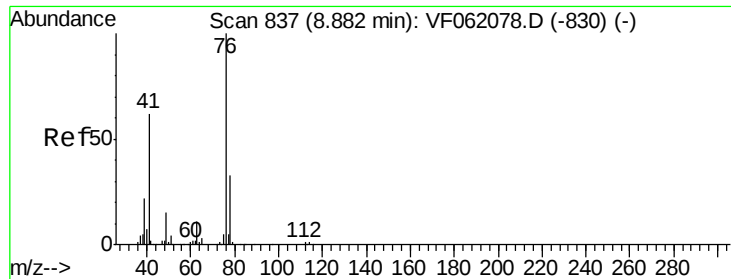


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 93.161 ug/l

RT: 8.89 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

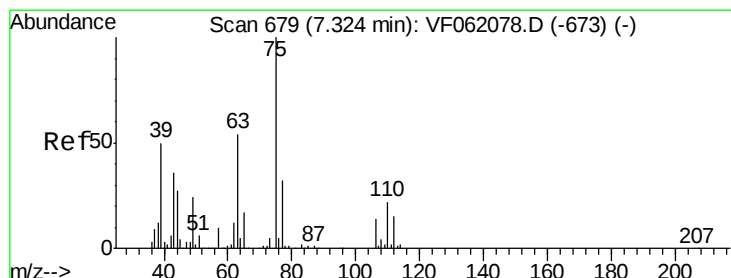
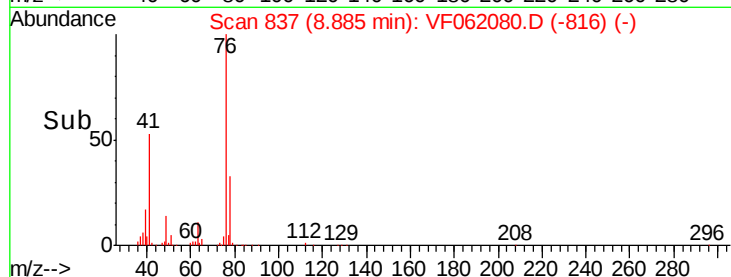
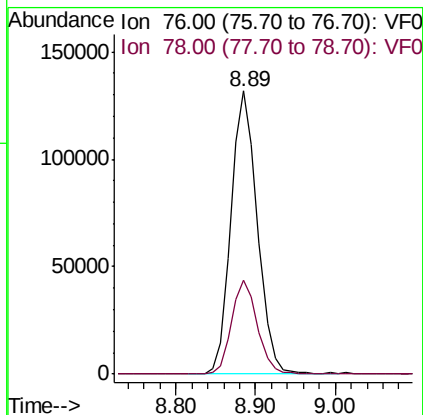
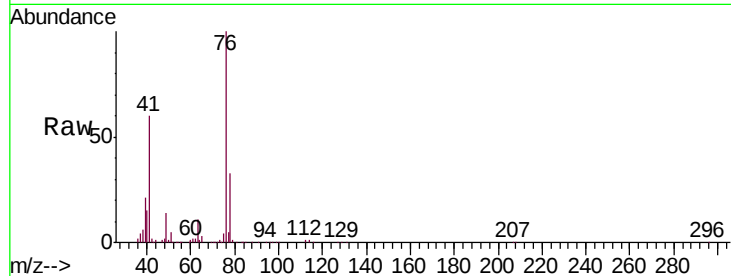
VSTDIC100

Tgt Ion: 76 Resp: 305891

Ion Ratio Lower Upper

76 100

78 33.1 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 481.424 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.00 min

Lab File: VF062080.D

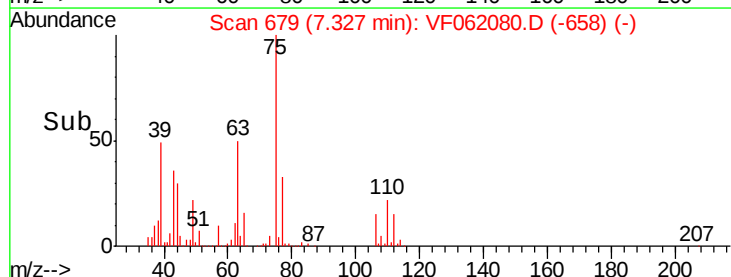
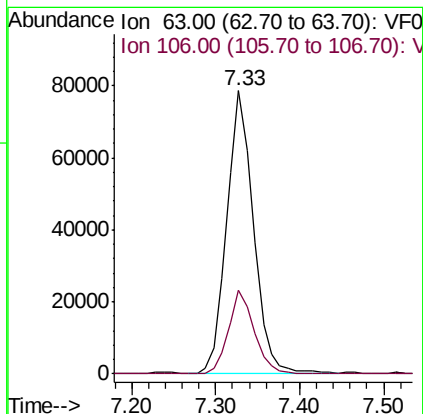
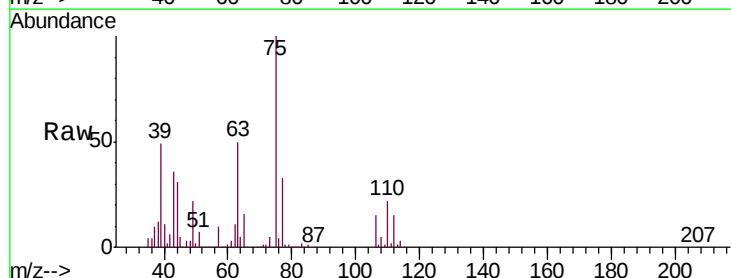
Acq: 22 Mar 2019 13:22

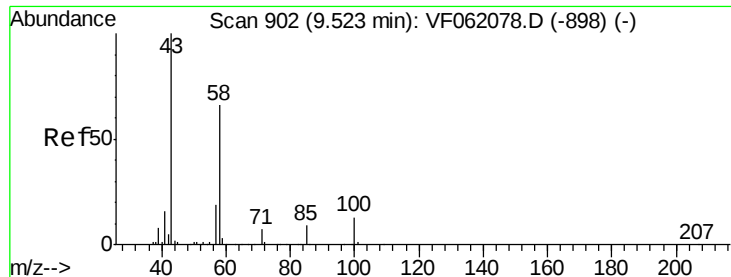
Tgt Ion: 63 Resp: 172359

Ion Ratio Lower Upper

63 100

106 29.6 21.5 32.3

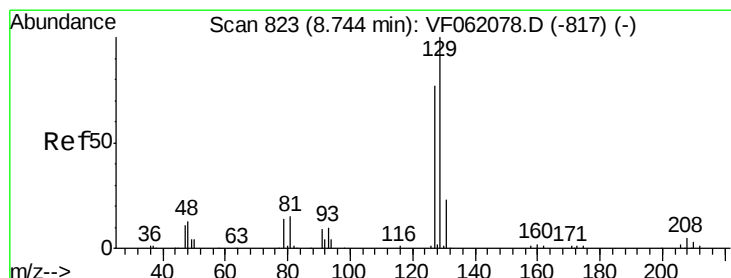
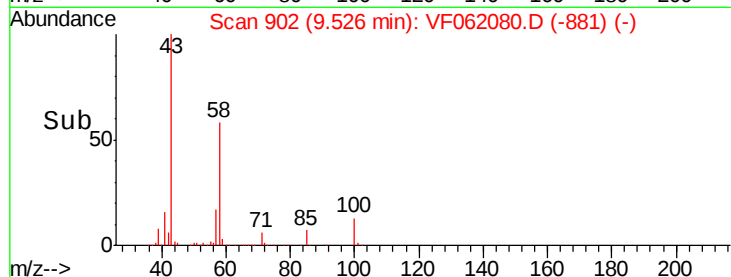
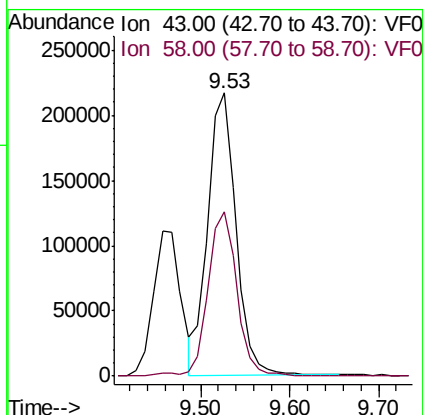
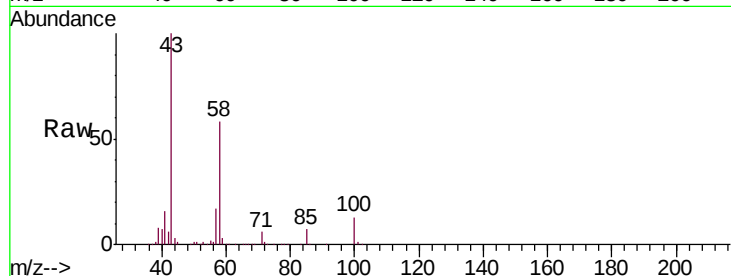




#59
2-Hexanone
Concen: 410.240 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

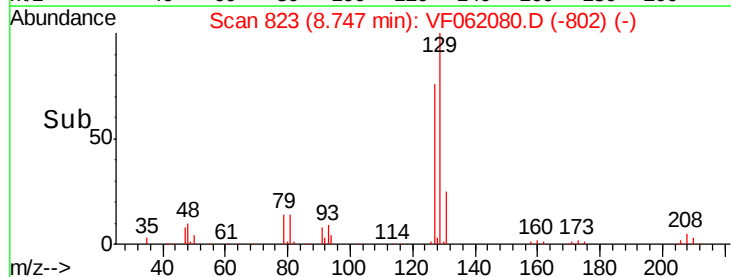
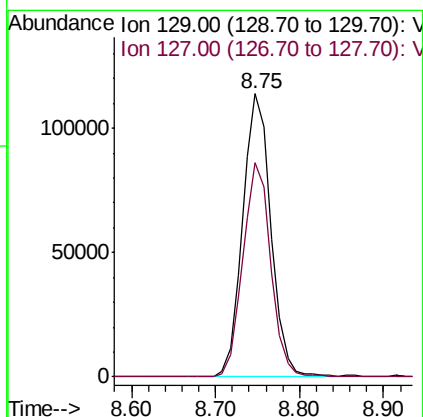
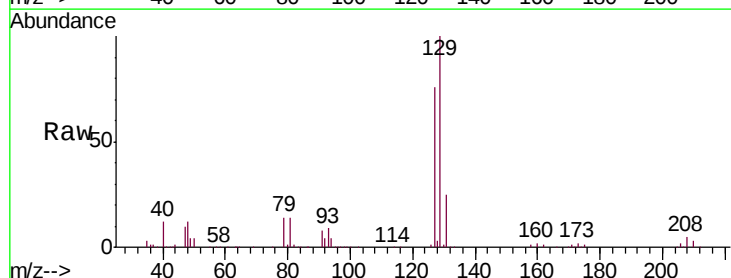
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

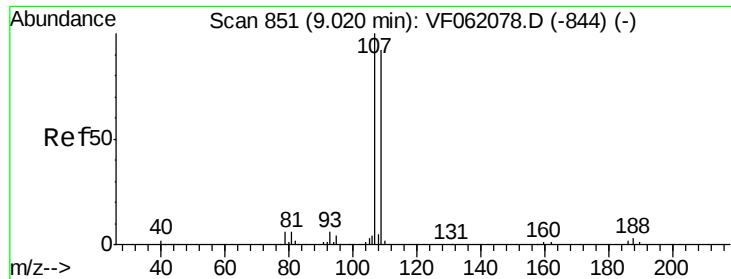
Tgt Ion: 43 Resp: 477751
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.4



#60
Dibromochloromethane
Concen: 96.967 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion: 129 Resp: 266682
Ion Ratio Lower Upper
129 100
127 75.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 94.214 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

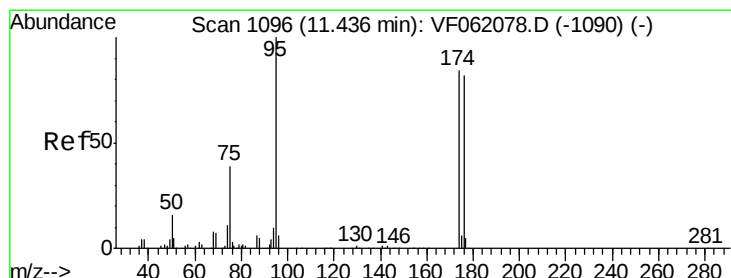
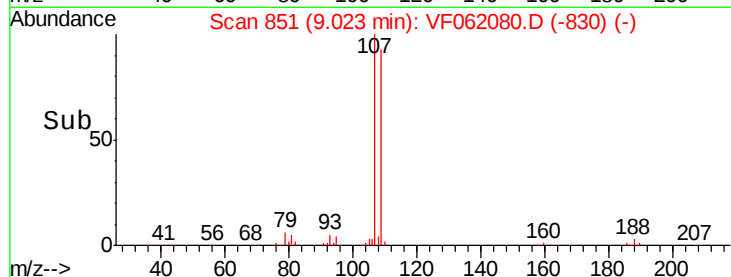
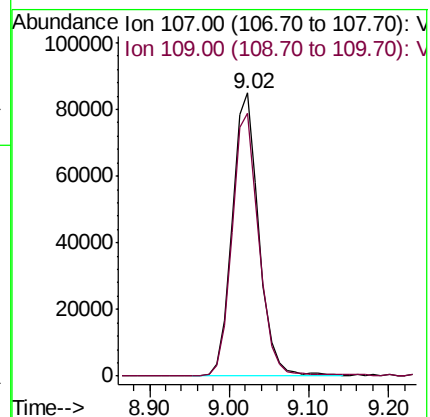
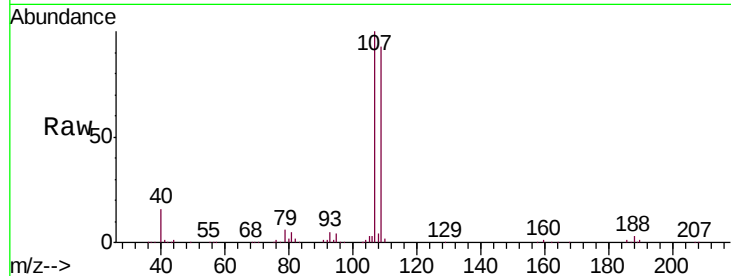
VSTDIC100

Tgt Ion:107 Resp: 198853

Ion Ratio Lower Upper

107 100

109 92.8 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 92.011 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

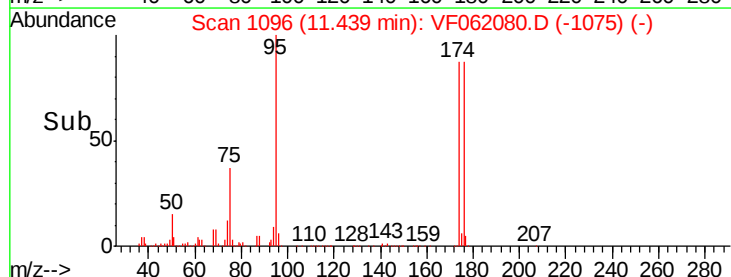
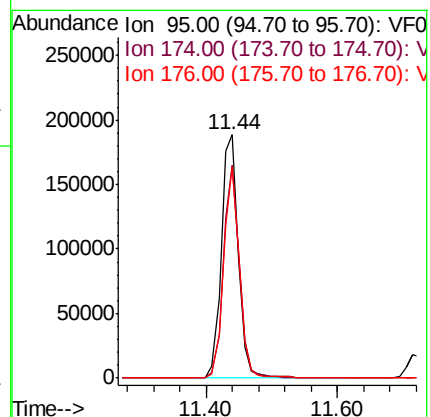
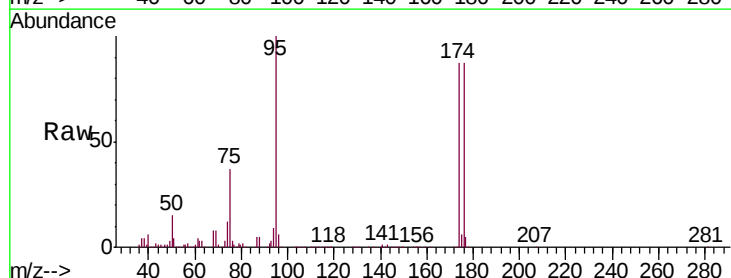
Tgt Ion: 95 Resp: 337775

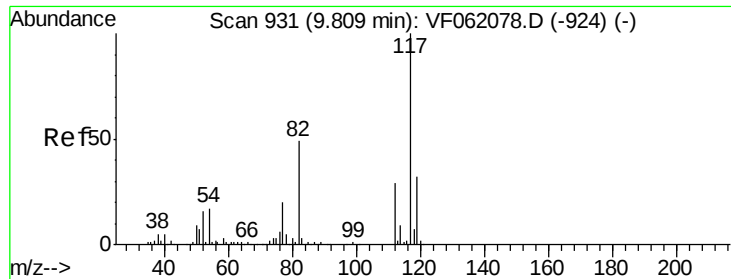
Ion Ratio Lower Upper

95 100

174 87.2 0.0 168.2

176 86.8 0.0 164.2

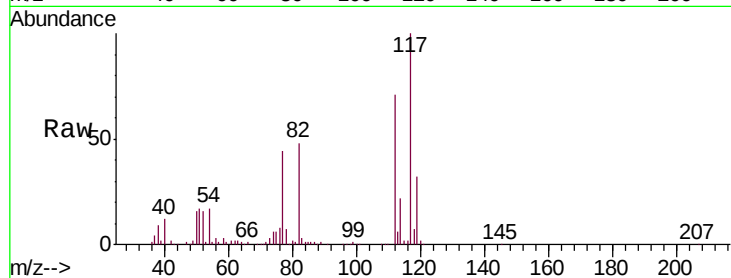




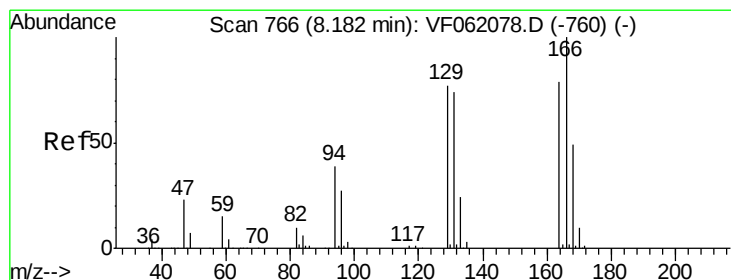
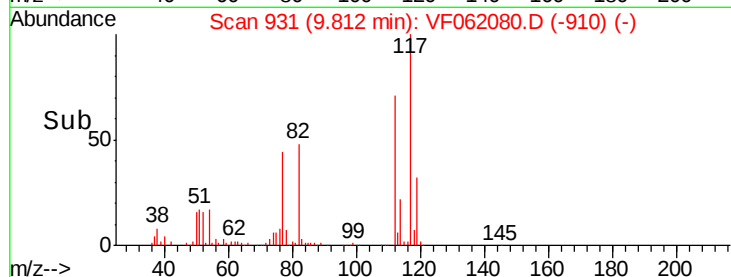
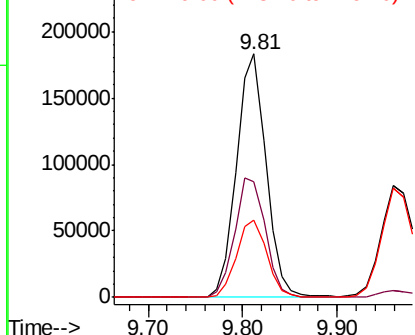
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 398125
Ion Ratio Lower Upper
117 100
82 47.6 39.2 58.8
119 31.9 25.4 38.2

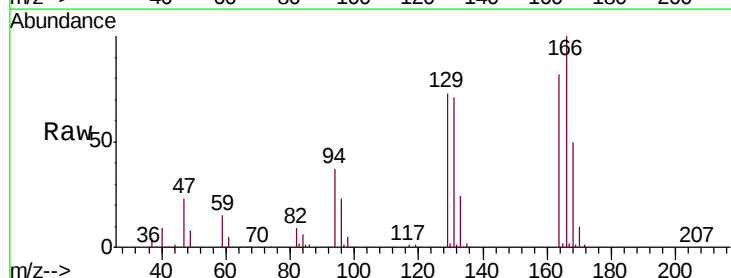


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

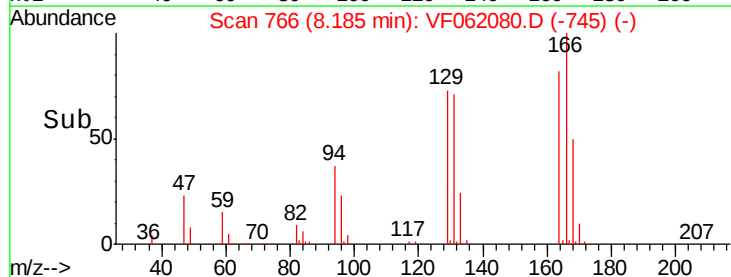
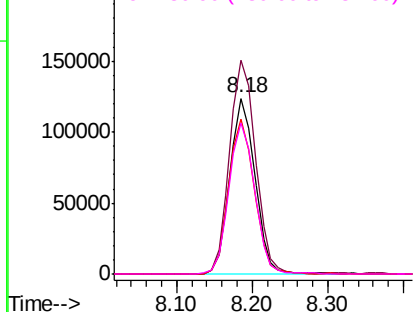


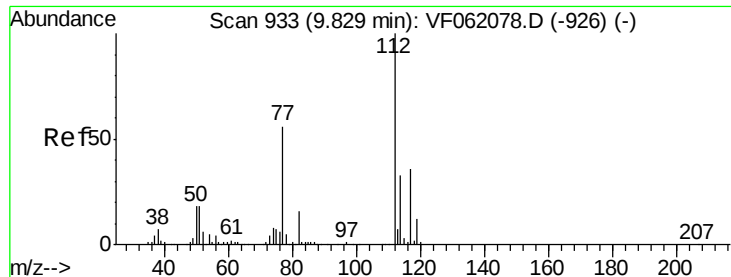
#64
Tetrachloroethene
Concen: 92.446 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion:164 Resp: 284350
Ion Ratio Lower Upper
164 100
166 121.7 100.9 151.3
129 88.5 77.9 116.9
131 86.0 74.6 112.0



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

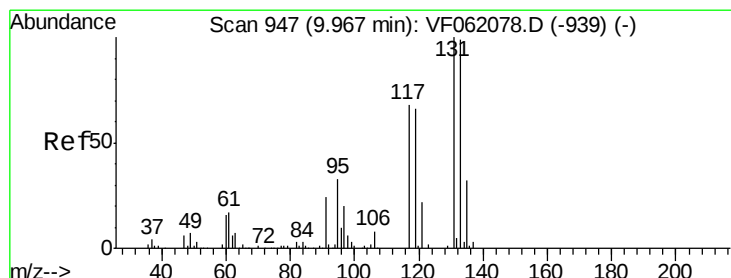
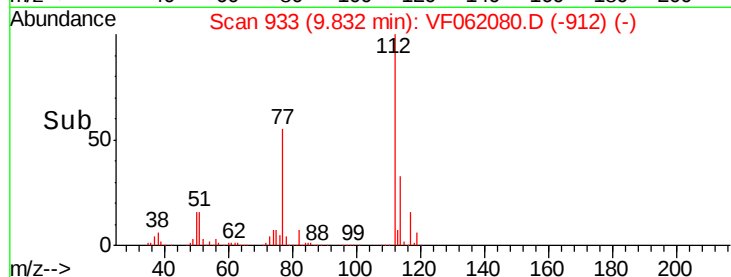
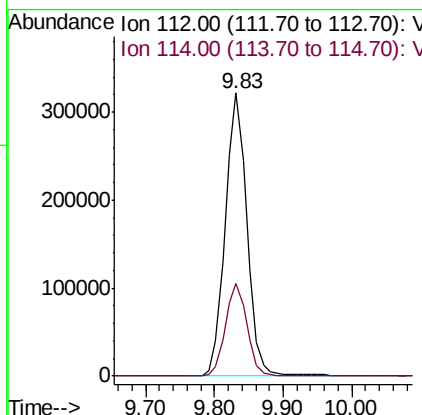
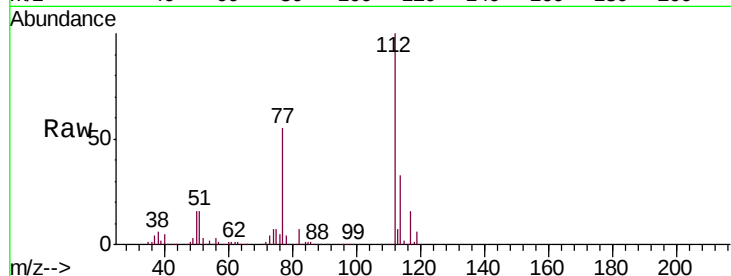




#65
Chlorobenzene
Concen: 94.407 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

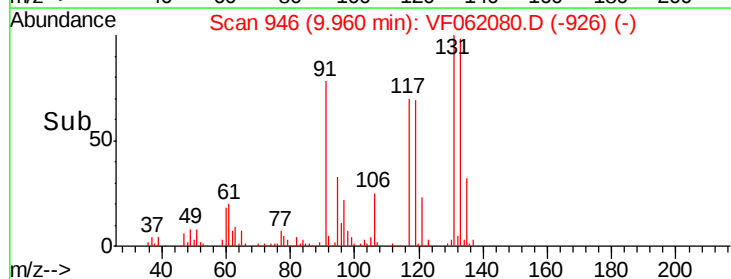
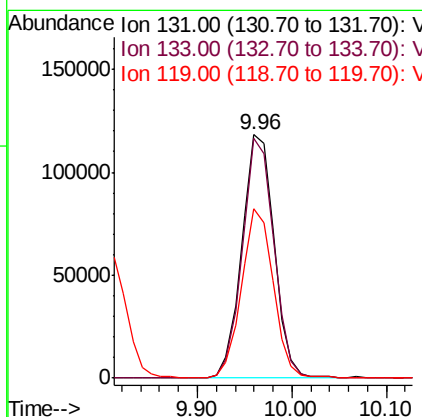
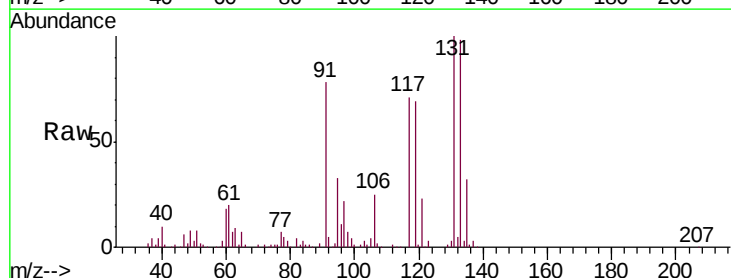
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

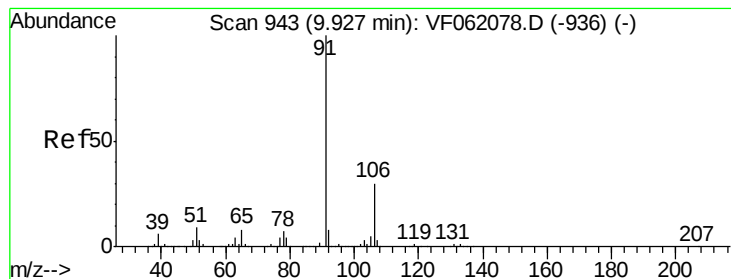
Tgt Ion:112 Resp: 703258
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 93.497 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion:131 Resp: 279766
Ion Ratio Lower Upper
131 100
133 98.4 49.3 147.8
119 69.5 33.5 100.4





#67

Ethyl Benzene

Concen: 90.284 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

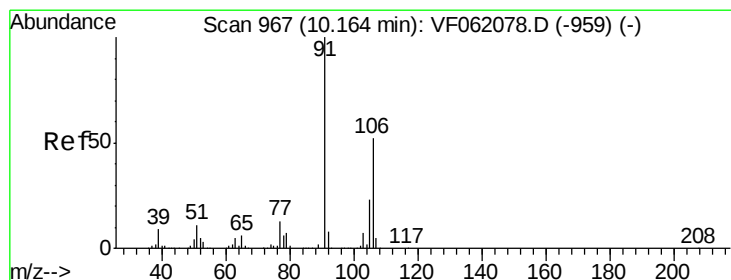
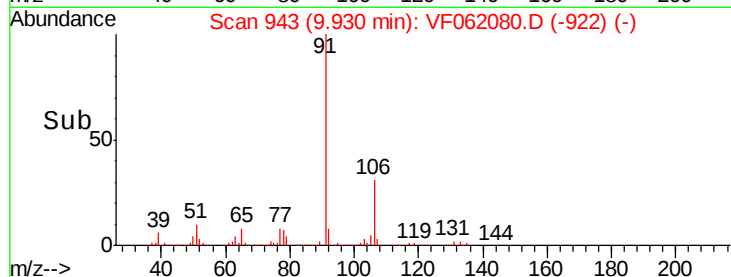
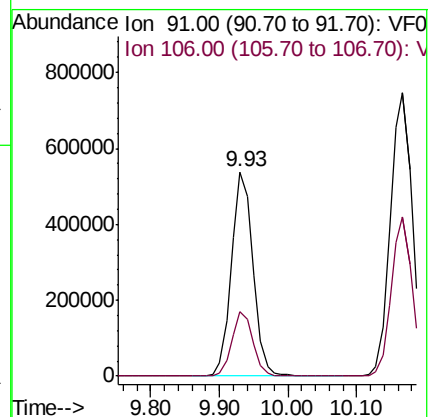
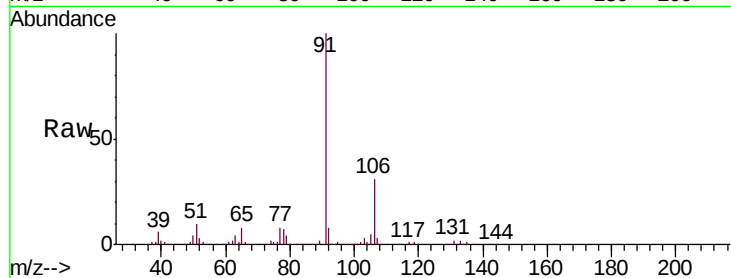
VSTDIC100

Tgt Ion: 91 Resp: 1169612

Ion Ratio Lower Upper

91 100

106 31.4 24.0 36.0



#68

m/p-Xylenes

Concen: 183.908 ug/l

RT: 10.17 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF062080.D

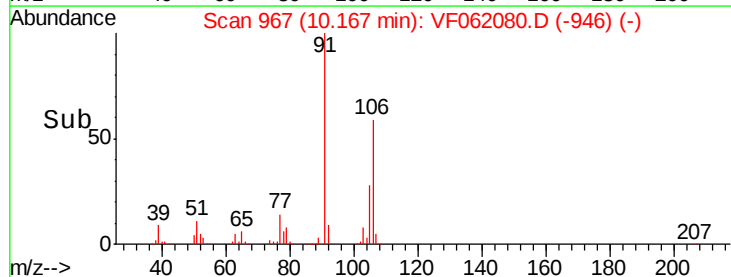
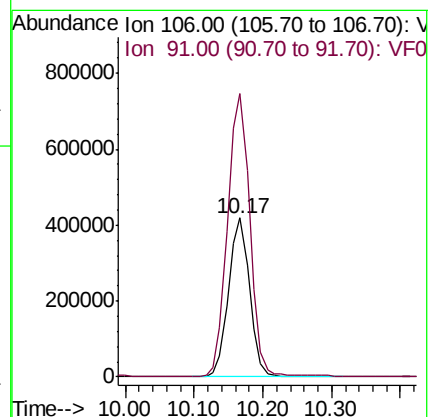
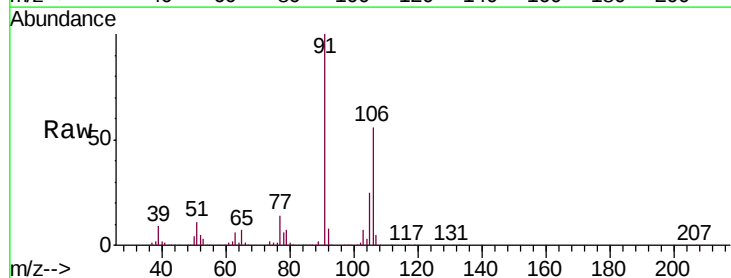
Acq: 22 Mar 2019 13:22

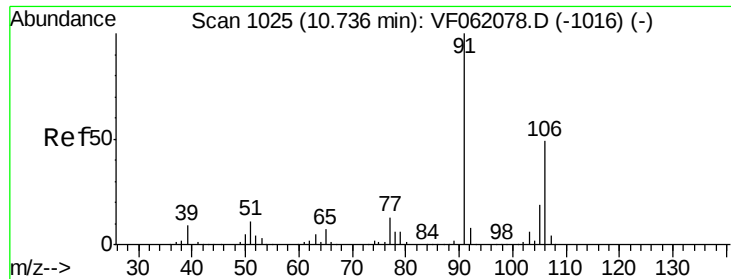
Tgt Ion: 106 Resp: 890480

Ion Ratio Lower Upper

106 100

91 178.4 154.4 231.6

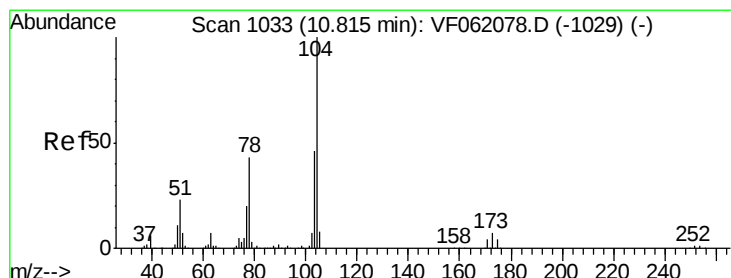
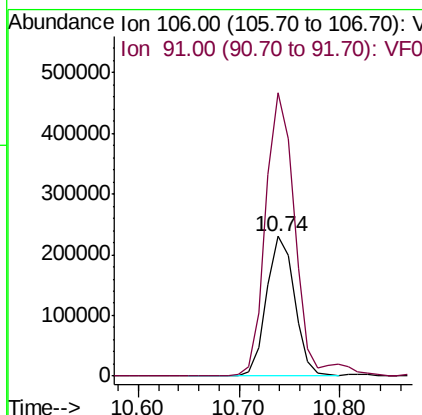
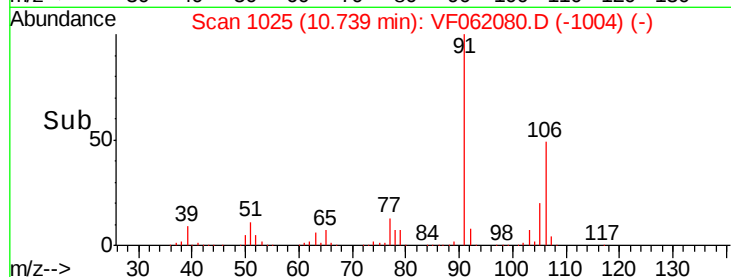
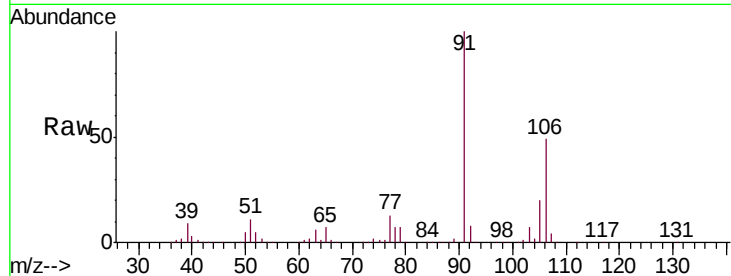




#69
o-Xylene
Concen: 87.369 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

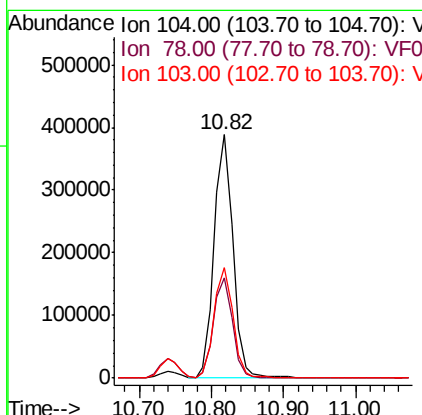
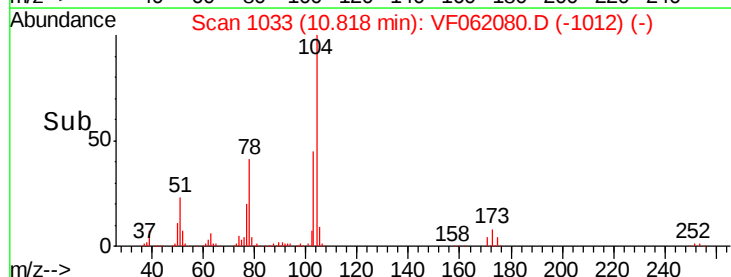
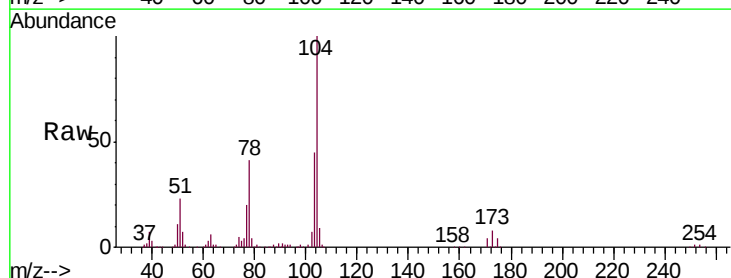
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

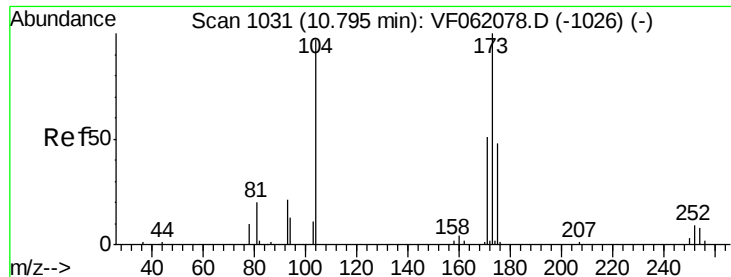
Tgt Ion:106 Resp: 443071
Ion Ratio Lower Upper
106 100
91 202.8 102.6 307.8



#70
Styrene
Concen: 90.437 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion:104 Resp: 694891
Ion Ratio Lower Upper
104 100
78 41.0 34.3 51.5
103 45.4 36.9 55.3





#71

Bromoform

Concen: 93.386 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

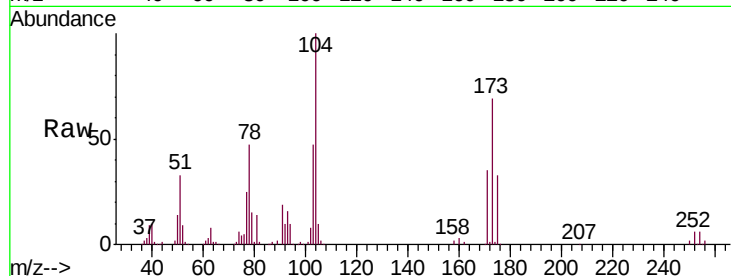
Tgt Ion:173 Resp: 142926

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.4

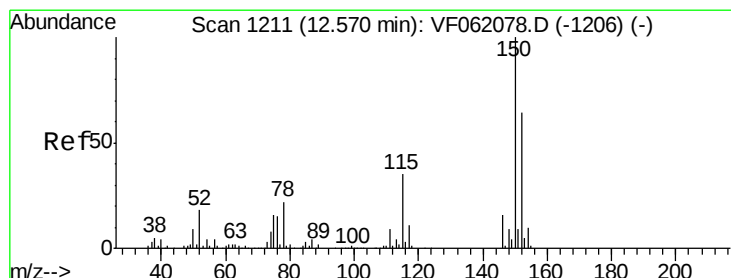
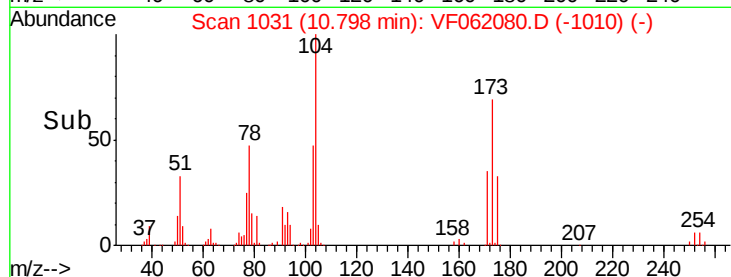
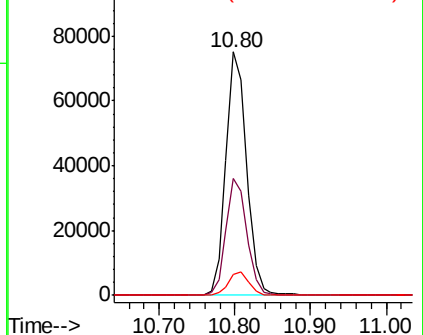
254 8.7 6.2 9.4



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: VF062080.D

Acq: 22 Mar 2019 13:22

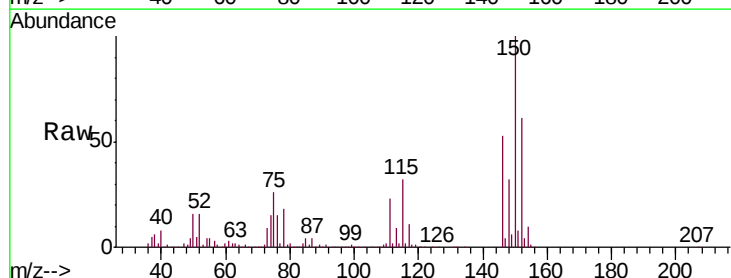
Tgt Ion:152 Resp: 193493

Ion Ratio Lower Upper

152 100

115 52.6 27.7 83.1

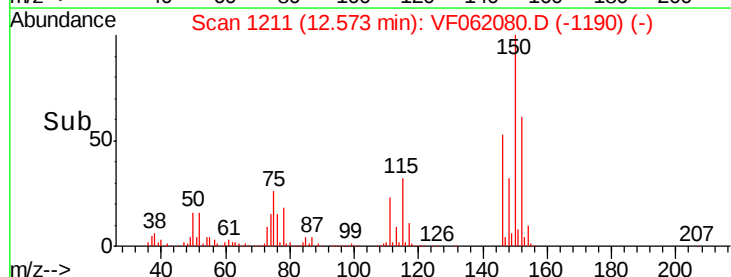
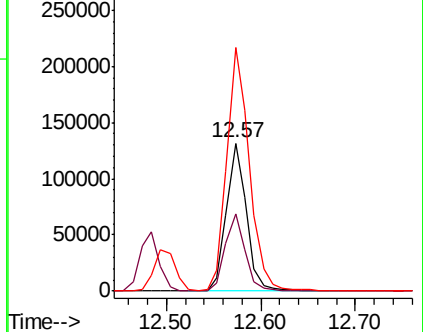
150 164.5 0.0 313.2

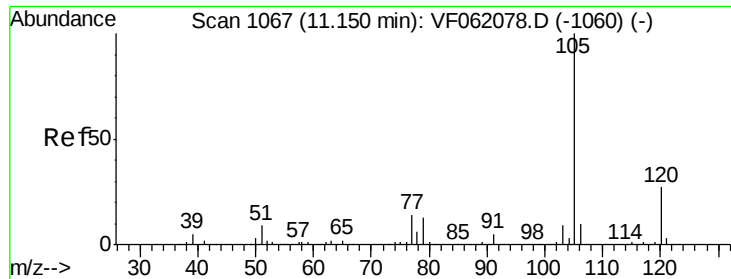


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 95.065 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

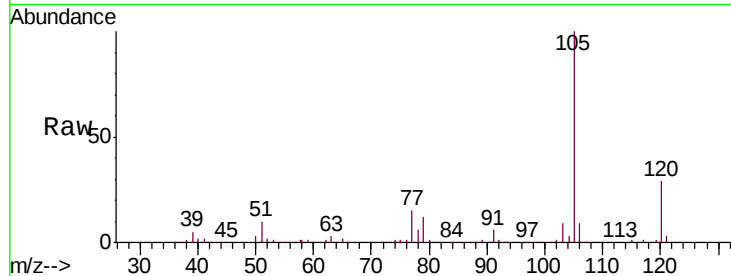
VSTDIC100

Tgt Ion:105 Resp: 1294345

Ion Ratio Lower Upper

105 100

120 29.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

11.15

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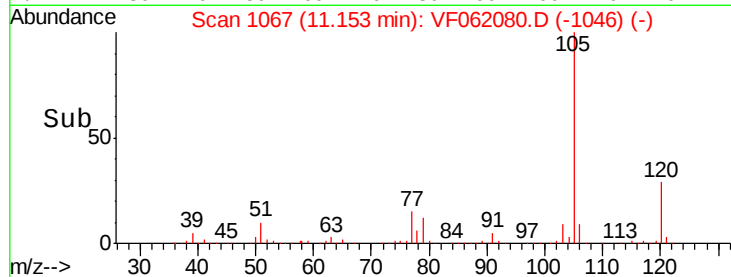
11.15

11.15

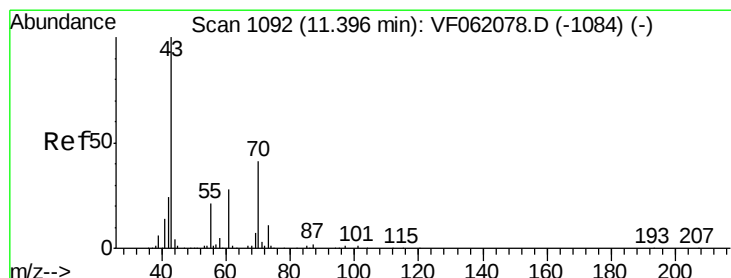
11.15

11.15

11.15



Time-->



#74

N-ethyl acetate

Concen: 95.945 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Tgt Ion: 43 Resp: 311267

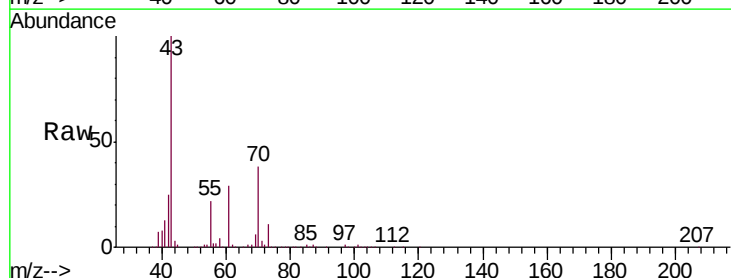
Ion Ratio Lower Upper

43 100

70 38.0 32.9 49.3

55 22.0 17.1 25.7

61 28.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250000

200000

150000

100000

50000

0

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

11.39

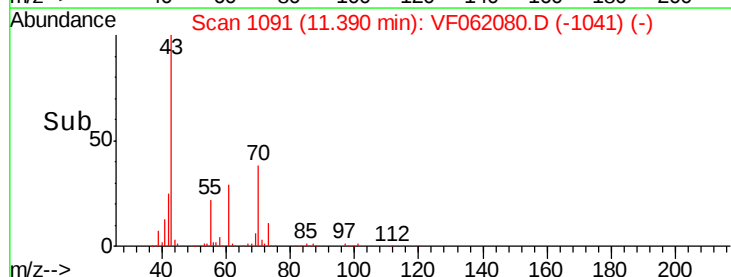
11.39

11.39

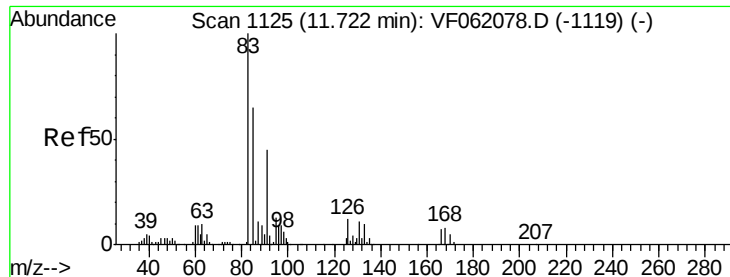
11.39

11.39

11.39



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 97.151 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

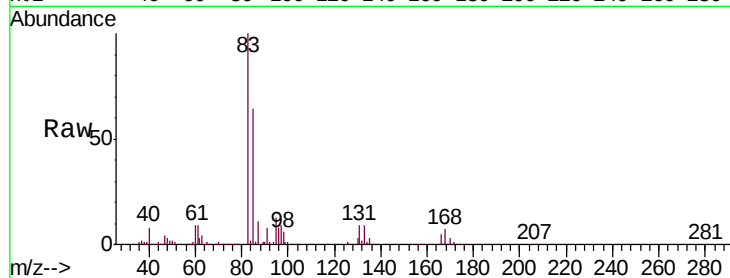
Tgt Ion: 83 Resp: 227120

Ion Ratio Lower Upper

83 100

131 9.0 5.3 15.8

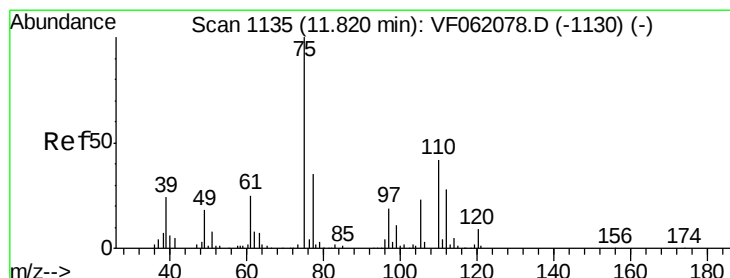
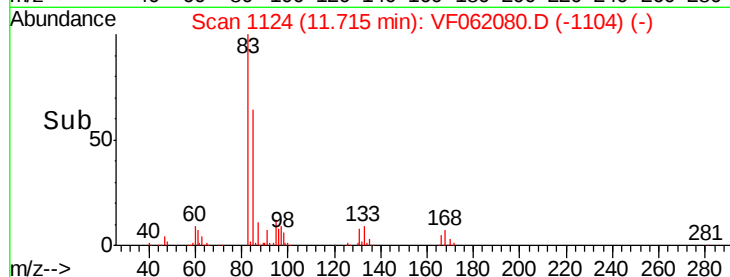
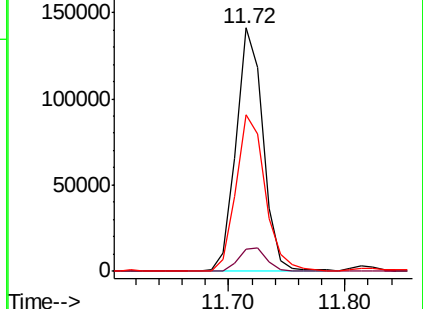
85 64.3 32.6 98.0



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: 91.816 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062080.D

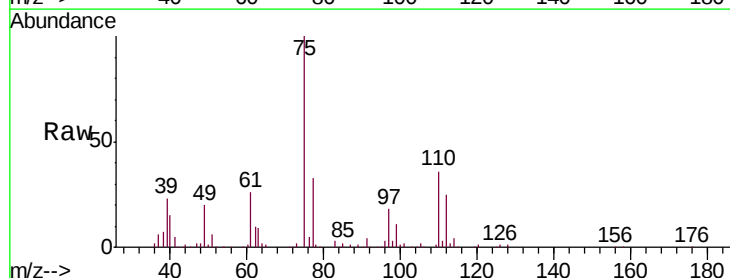
Acq: 22 Mar 2019 13:22

Tgt Ion: 75 Resp: 151060

Ion Ratio Lower Upper

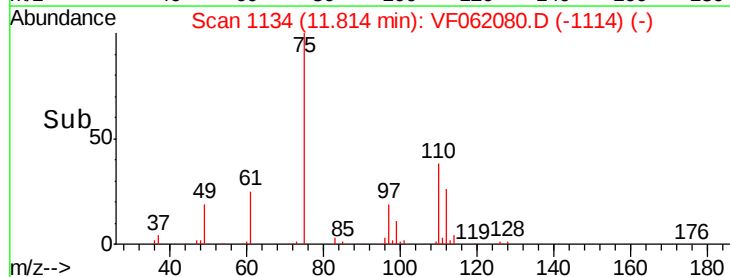
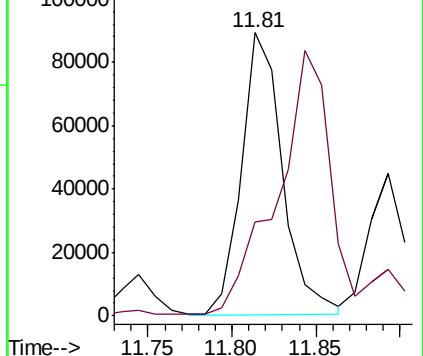
75 100

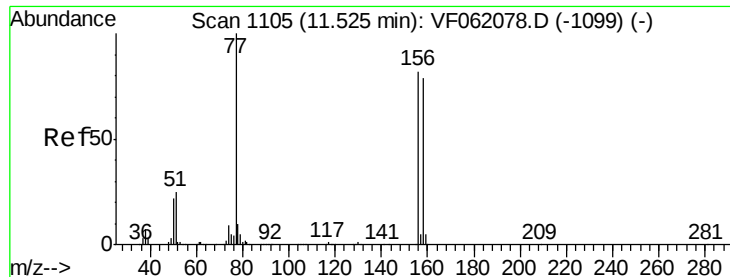
77 33.0 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

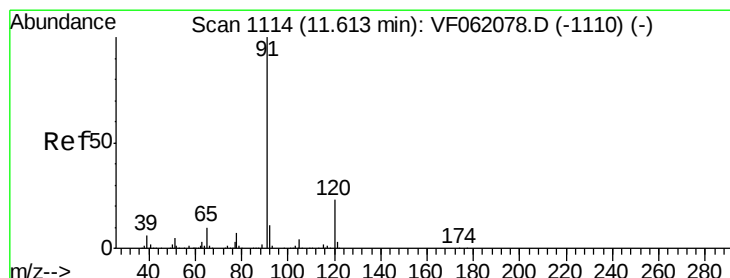
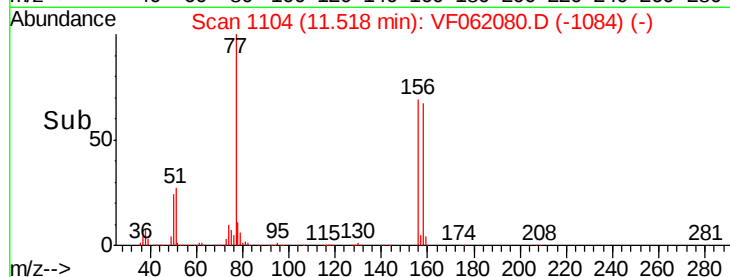
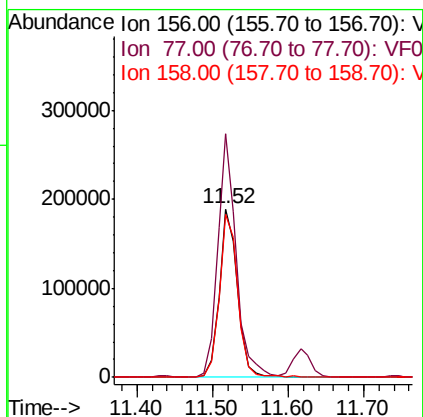
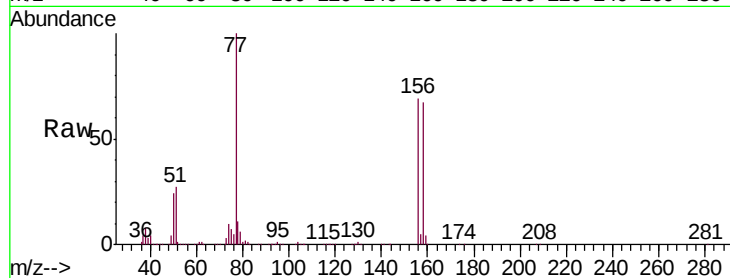




#77
Bromobenzene
Concen: 95.292 ug/l
RT: 11.52 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

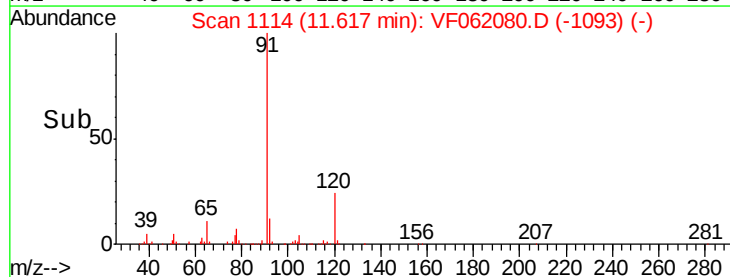
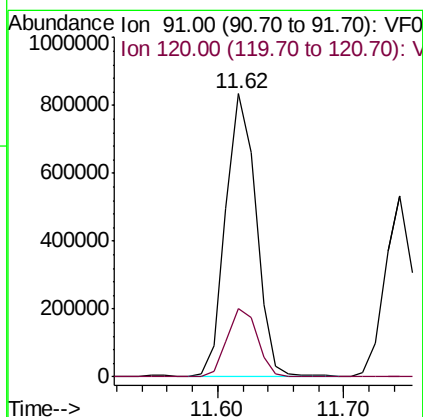
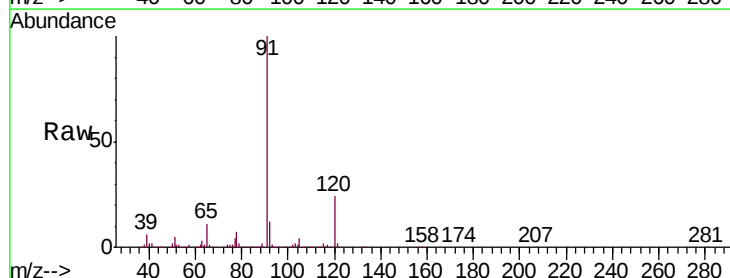
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

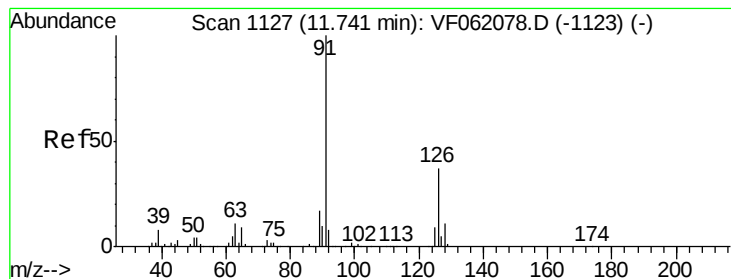
Tgt Ion: 156 Resp: 316982
Ion Ratio Lower Upper
156 100
77 144.3 61.3 183.9
158 96.6 48.6 145.9



#78
n-propylbenzene
Concen: 88.154 ug/l
RT: 11.62 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion: 91 Resp: 1393712
Ion Ratio Lower Upper
91 100
120 24.4 11.3 33.8





#79

2-Chlorotoluene

Concen: 94.497 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

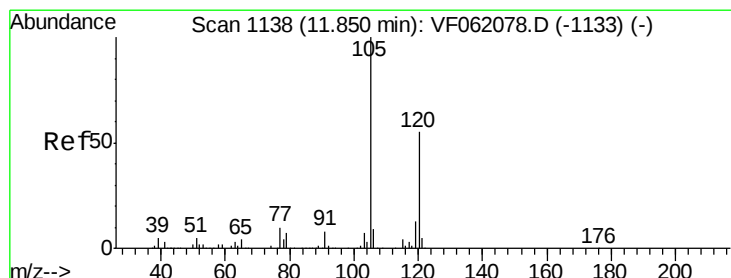
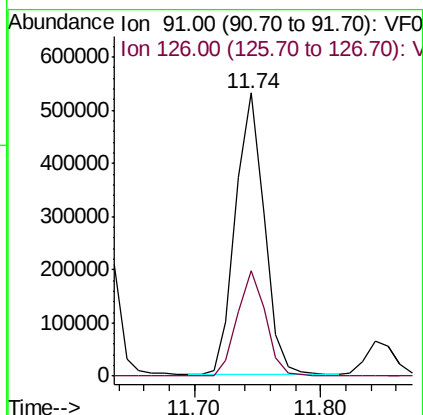
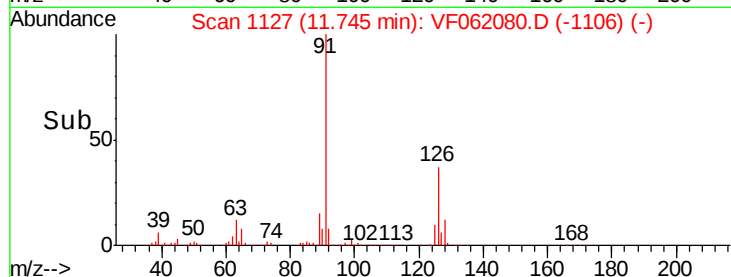
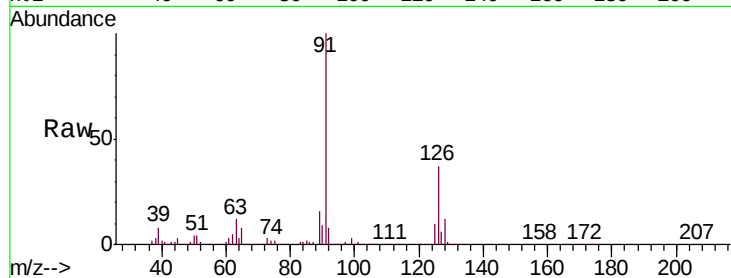
VSTDIC100

Tgt Ion: 91 Resp: 830399

Ion Ratio Lower Upper

91 100

126 37.1 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 92.744 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF062080.D

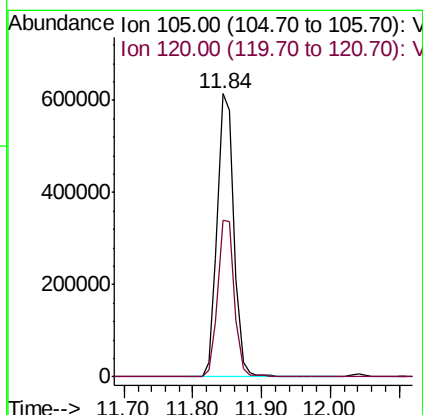
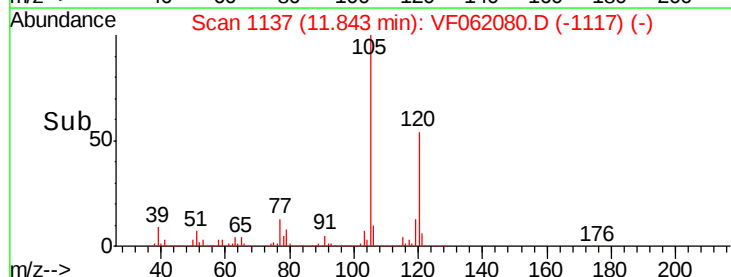
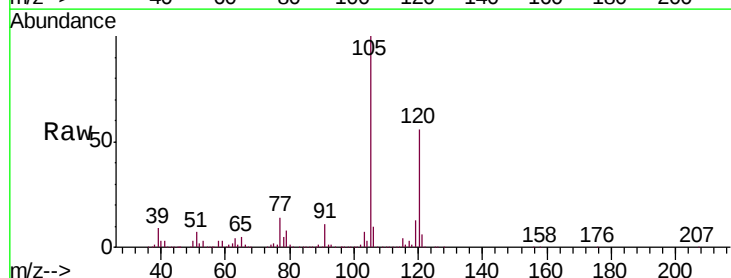
Acq: 22 Mar 2019 13:22

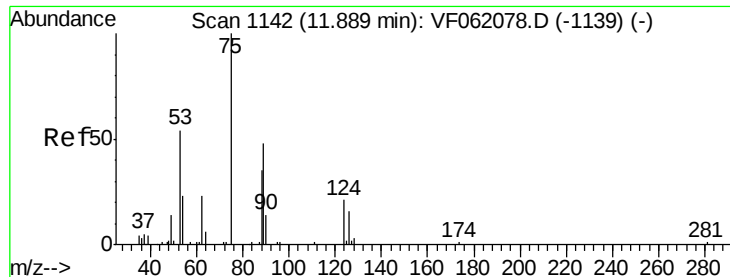
Tgt Ion: 105 Resp: 1038660

Ion Ratio Lower Upper

105 100

120 55.5 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 101.201 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

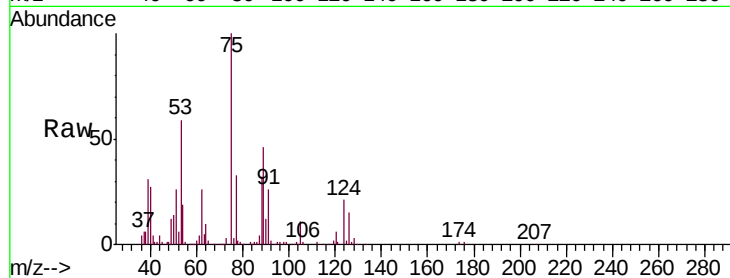
Tgt Ion: 75 Resp: 89800

Ion Ratio Lower Upper

75 100

53 59.1 49.4 74.0

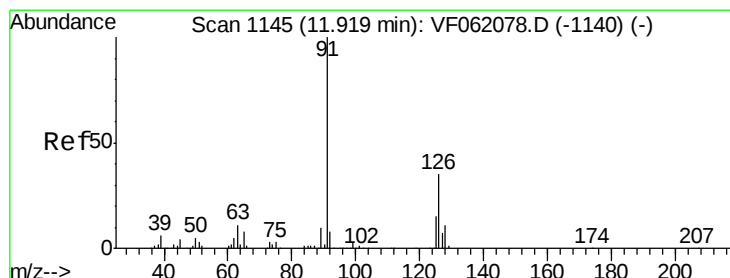
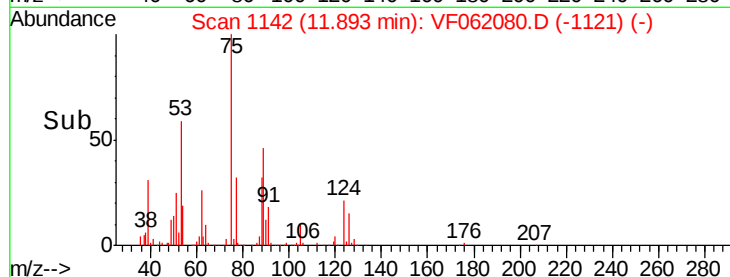
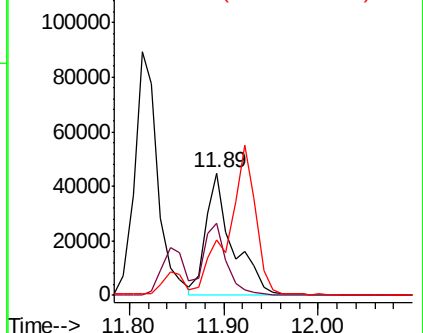
89 45.7 40.6 60.8



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: 92.527 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF062080.D

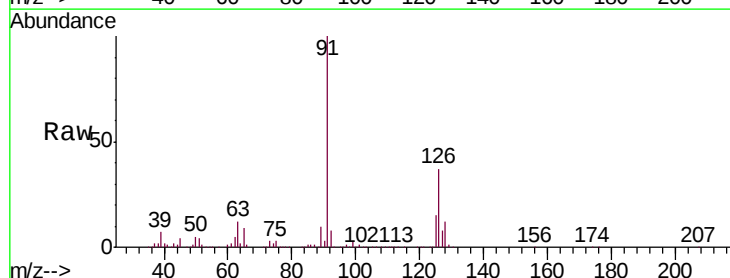
Acq: 22 Mar 2019 13:22

Tgt Ion: 91 Resp: 833676

Ion Ratio Lower Upper

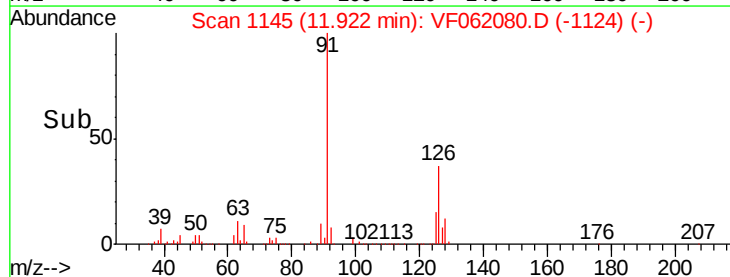
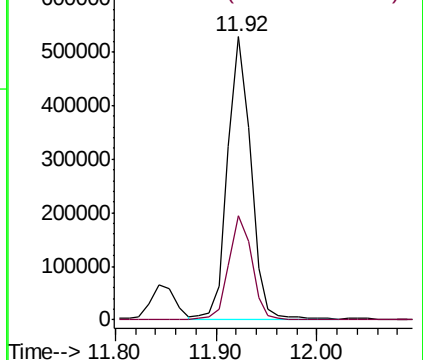
91 100

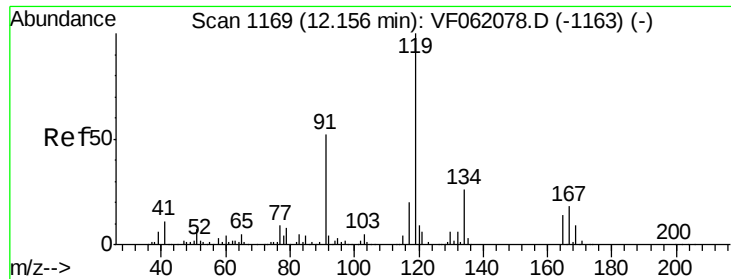
126 36.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

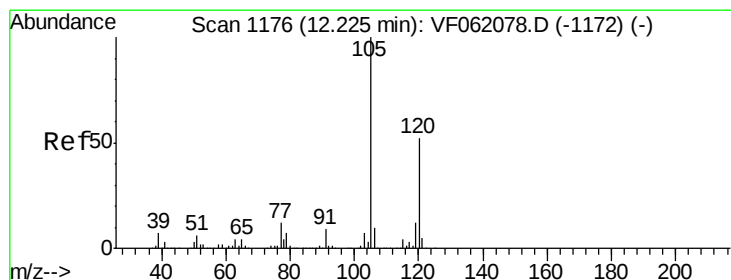
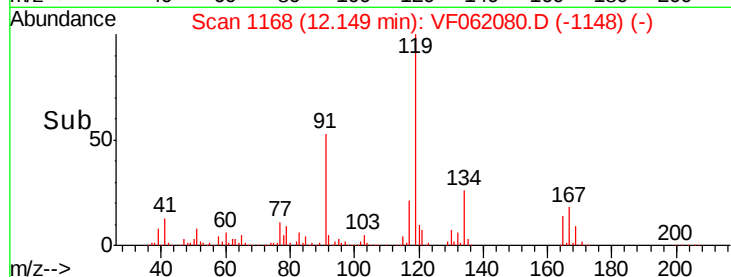
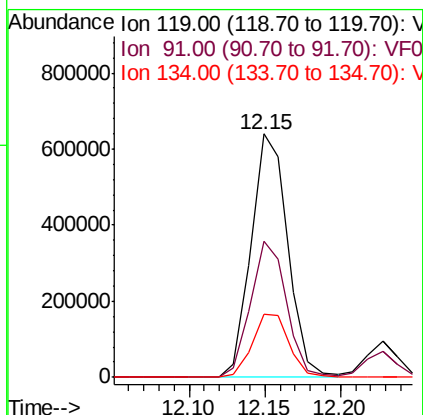
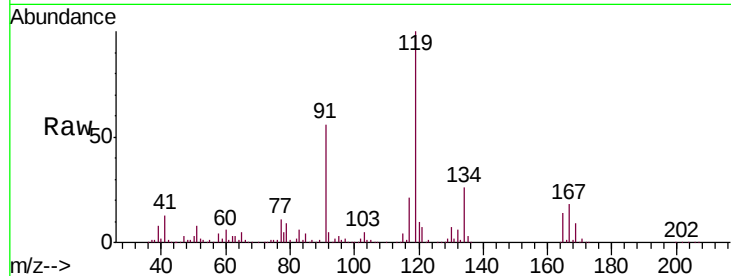




#83
 tert-Butylbenzene
 Concen: 92.462 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

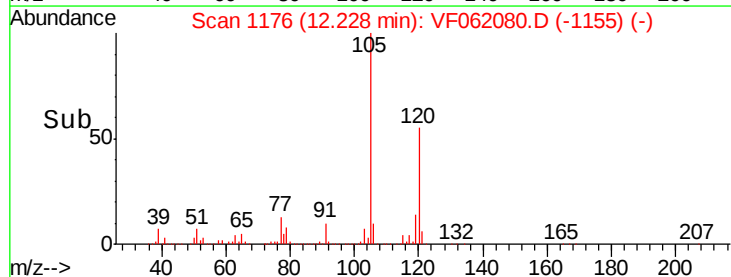
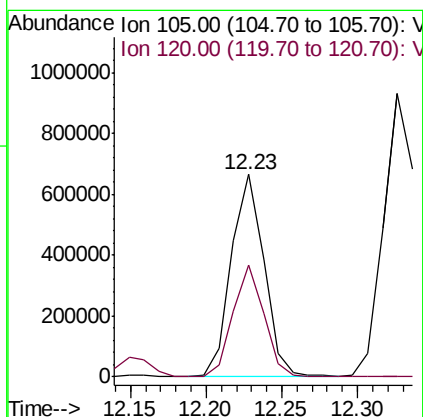
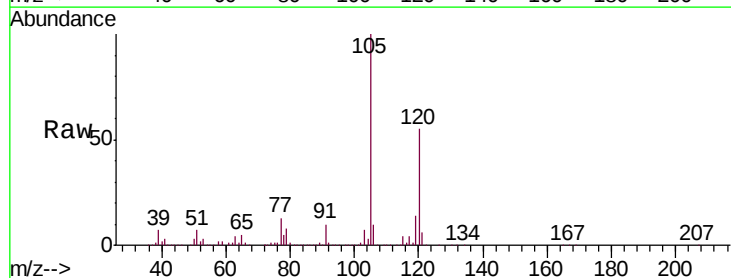
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

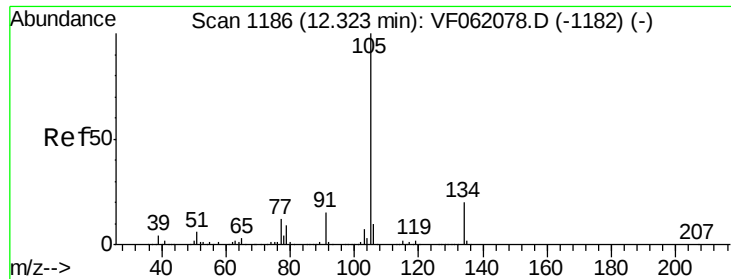
Tgt Ion:119 Resp: 1083981
 Ion Ratio Lower Upper
 119 100
 91 55.8 26.1 78.2
 134 25.7 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 91.650 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion:105 Resp: 1006205
 Ion Ratio Lower Upper
 105 100
 120 55.0 26.1 78.2





#85

sec-Butylbenzene

Concen: 93.918 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

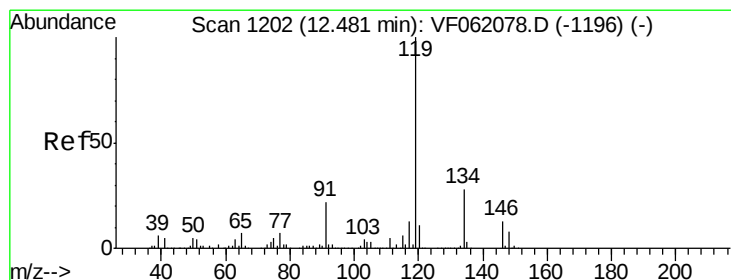
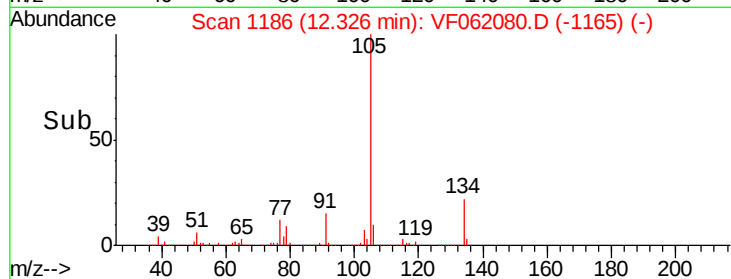
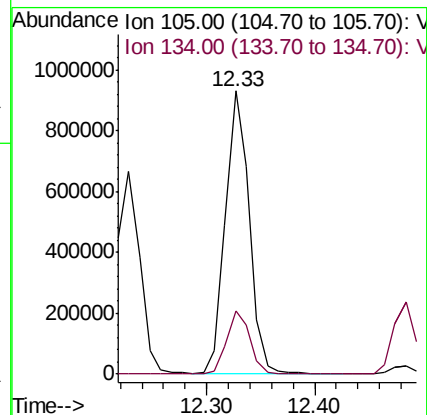
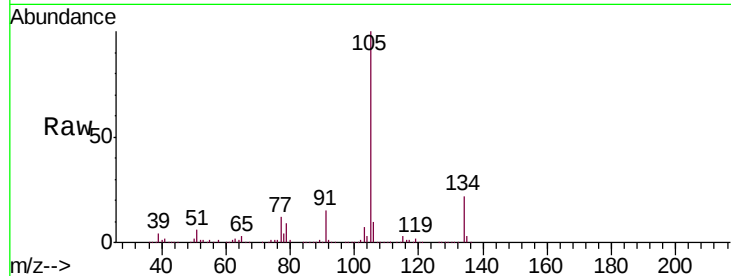
VSTDIC100

Tgt Ion:105 Resp: 1424387

Ion Ratio Lower Upper

105 100

134 22.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 91.034 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

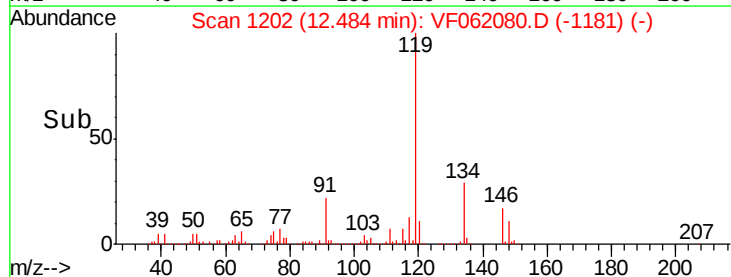
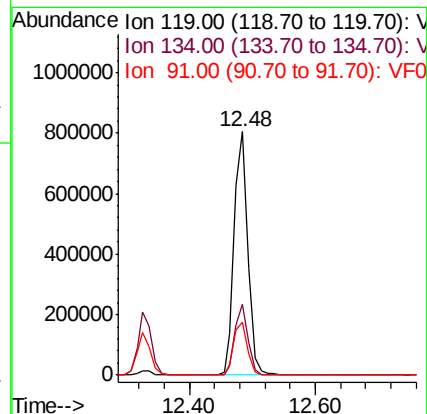
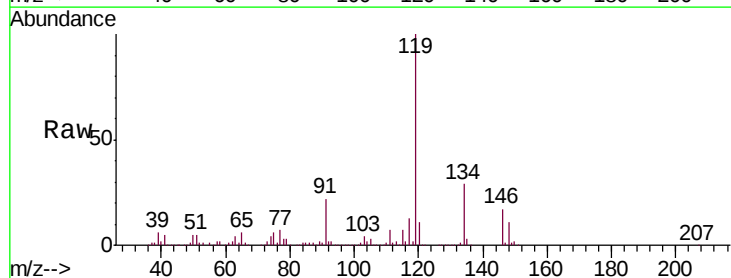
Tgt Ion:119 Resp: 1196161

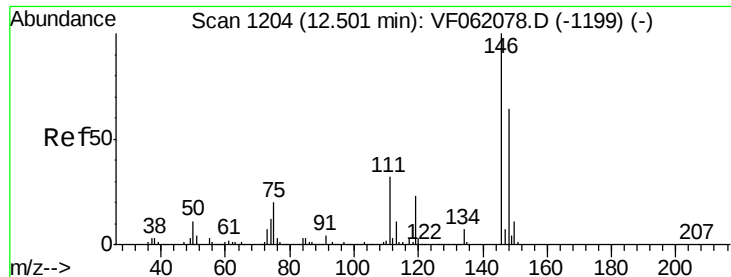
Ion Ratio Lower Upper

119 100

134 29.3 14.0 42.0

91 21.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 89.530 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

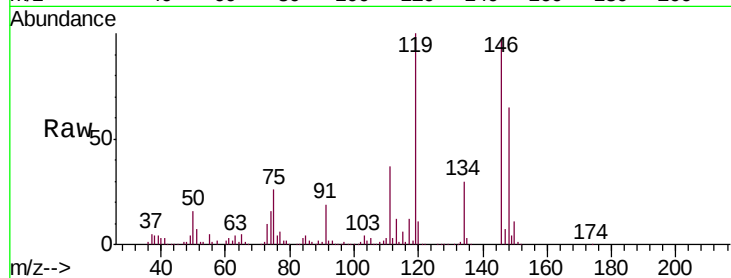
Tgt Ion:146 Resp: 553308

Ion Ratio Lower Upper

146 100

111 38.5 16.1 48.3

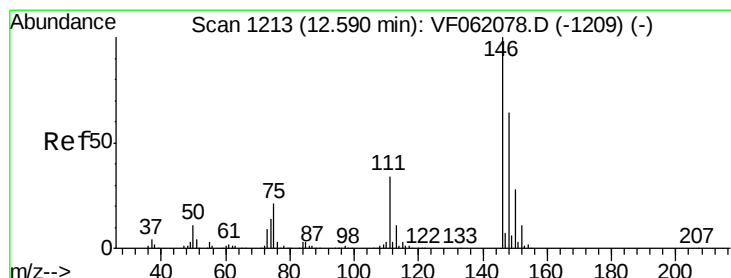
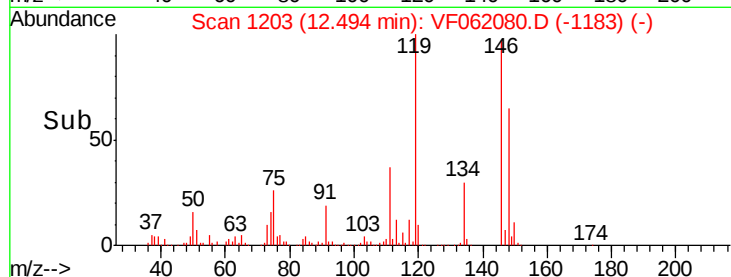
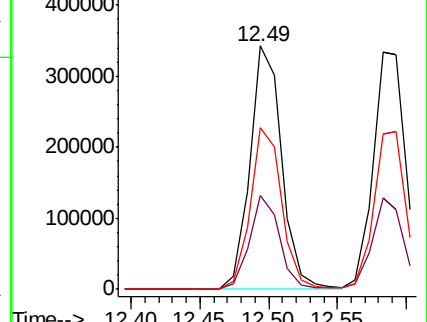
148 66.7 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 93.442 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

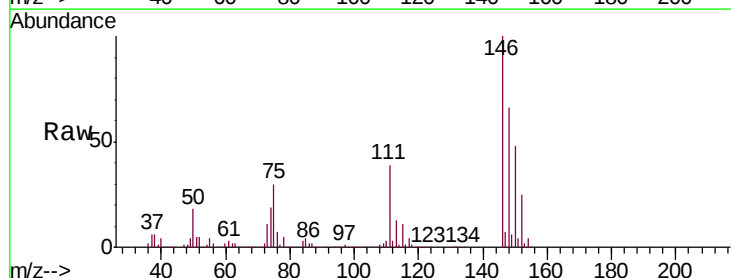
Tgt Ion:146 Resp: 563509

Ion Ratio Lower Upper

146 100

111 38.8 16.9 50.6

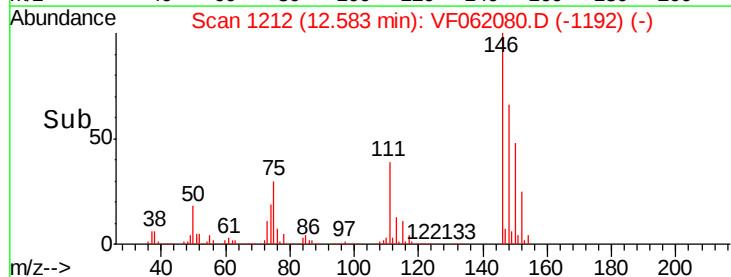
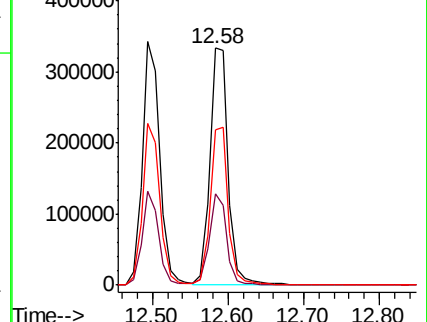
148 65.9 31.9 95.7

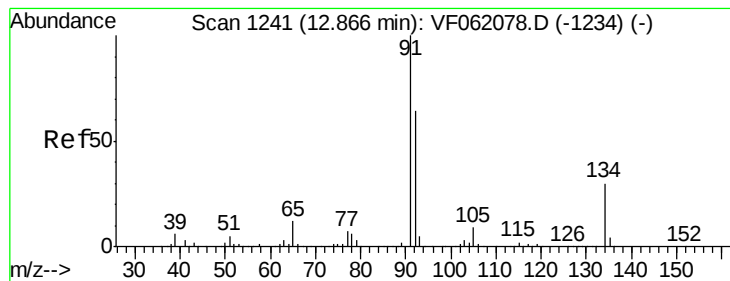


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 88.877 ug/l

RT: 12.87 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VF062080.D

Acq: 22 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

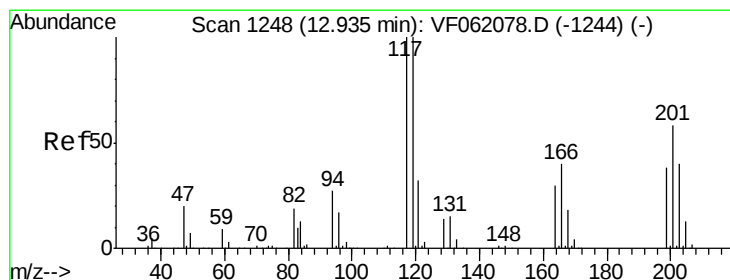
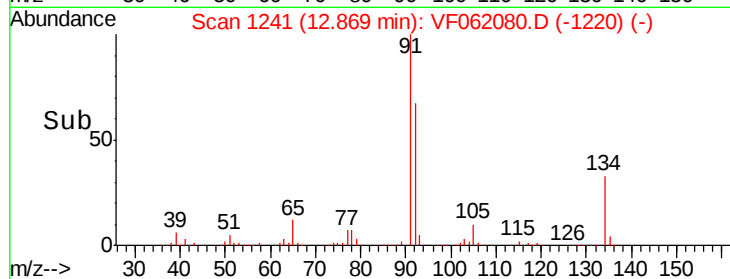
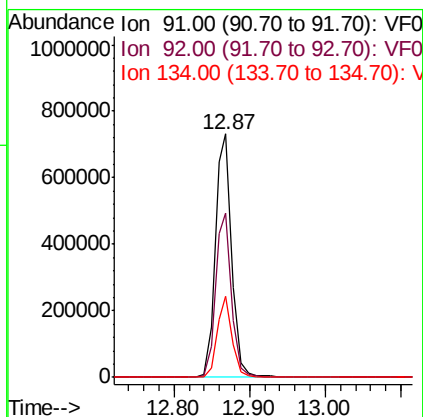
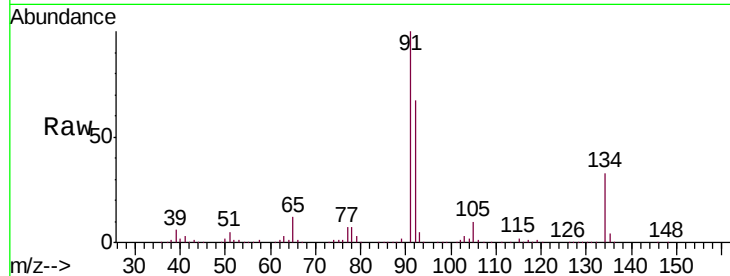
Tgt Ion: 91 Resp: 1114160

Ion Ratio Lower Upper

91 100

92 67.4 31.9 95.5

134 33.4 14.9 44.9



#90

Hexachloroethane

Concen: 97.628 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VF062080.D

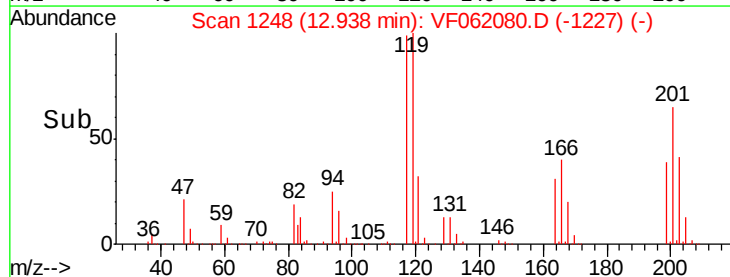
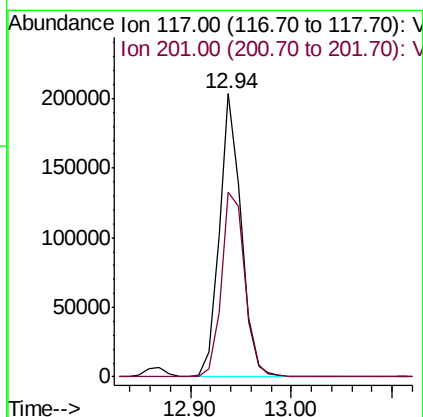
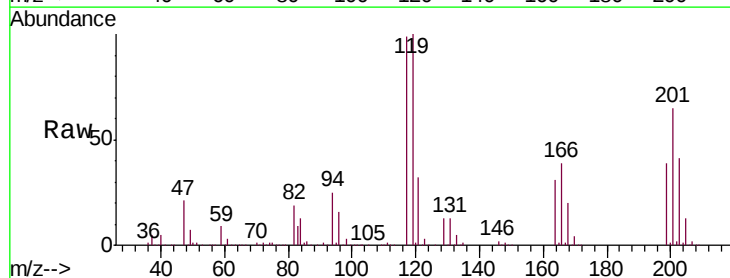
Acq: 22 Mar 2019 13:22

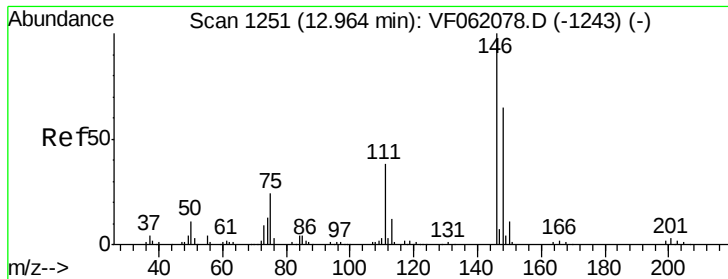
Tgt Ion: 117 Resp: 305451

Ion Ratio Lower Upper

117 100

201 65.3 28.7 86.1

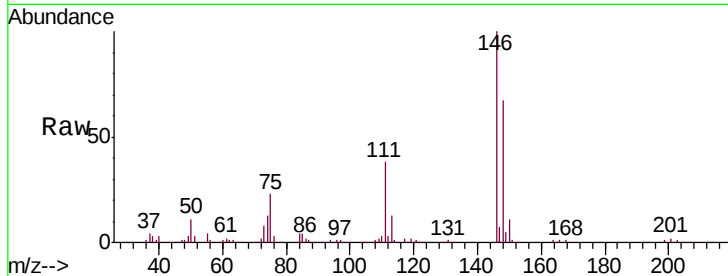




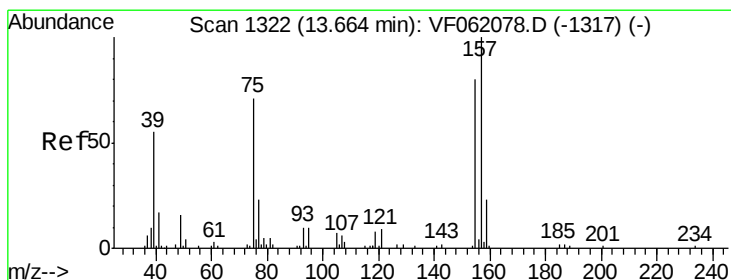
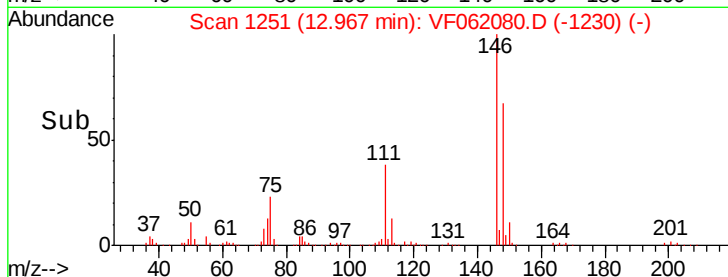
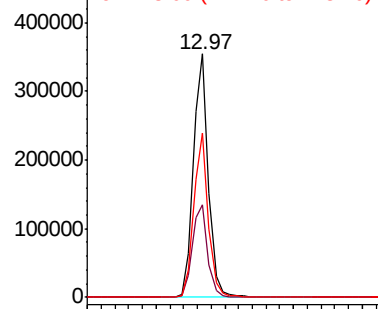
#91
 1,2-Dichlorobenzene
 Concen: 91.321 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 529943
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.3
 148 67.3 32.8 98.3

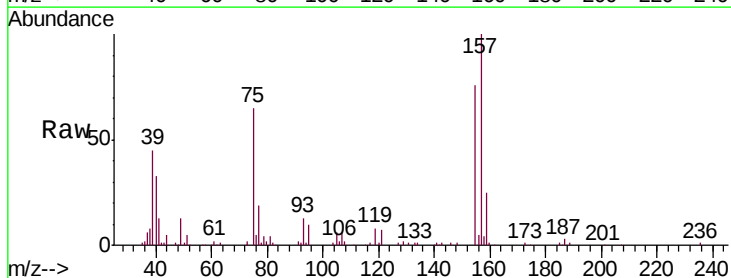


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

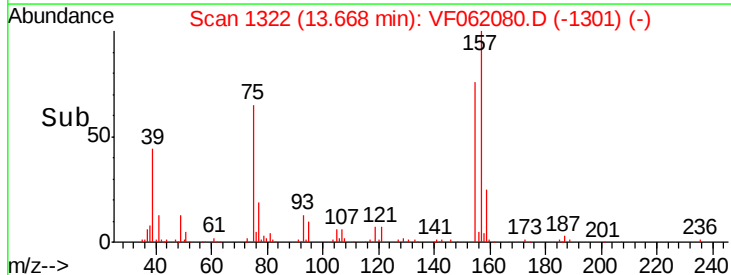
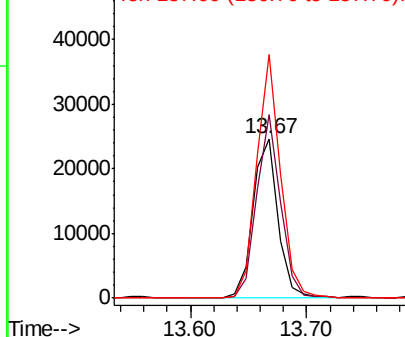


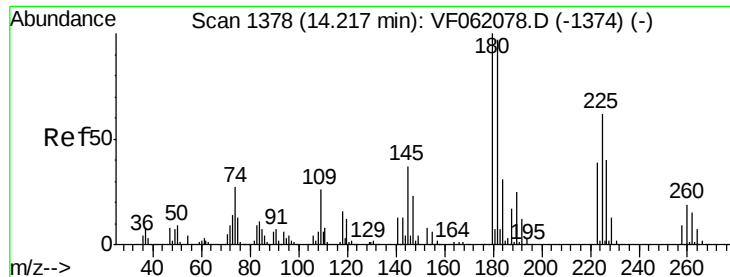
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.710 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion: 75 Resp: 36736
 Ion Ratio Lower Upper
 75 100
 155 115.6 56.1 168.4
 157 153.0 70.4 211.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

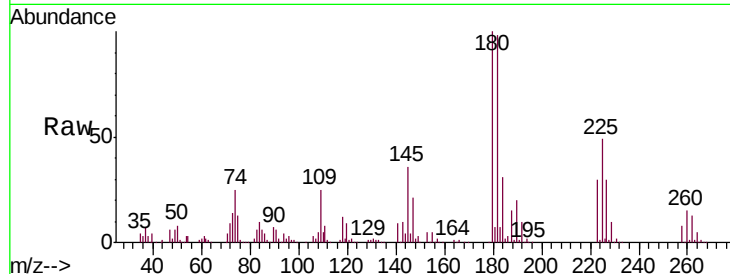




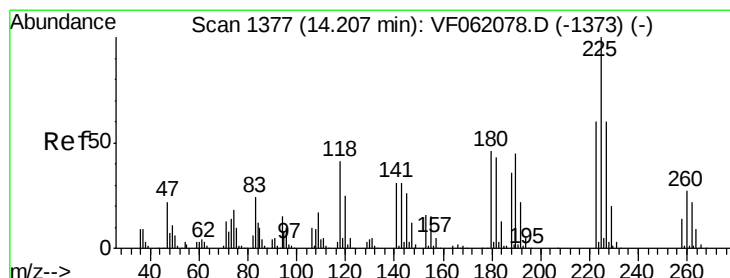
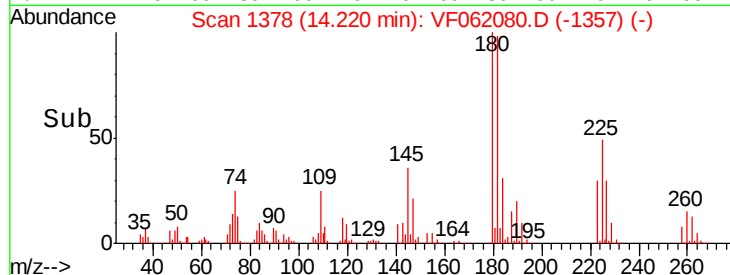
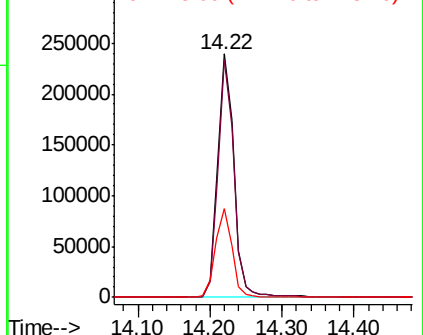
#93
 1,2,4-Trichlorobenzene
 Concen: 91.705 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 370898
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.7 146.1
 145 36.2 18.3 54.8

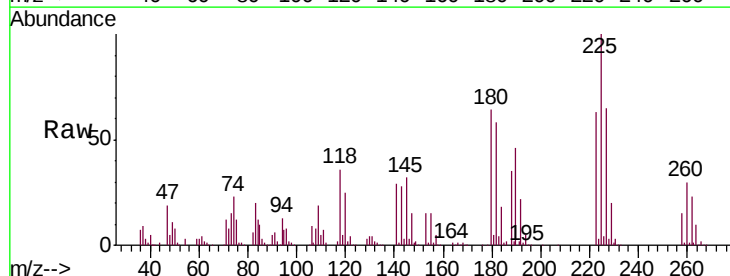


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

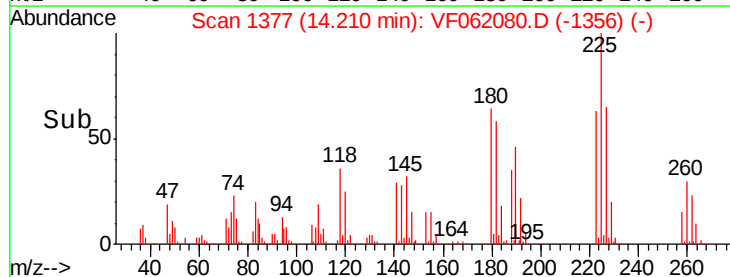
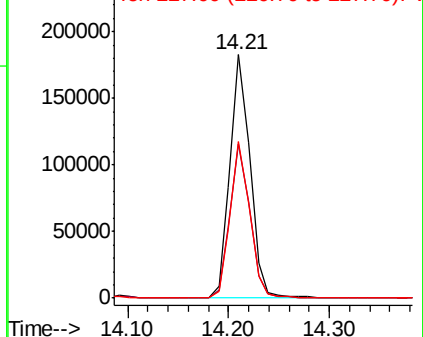


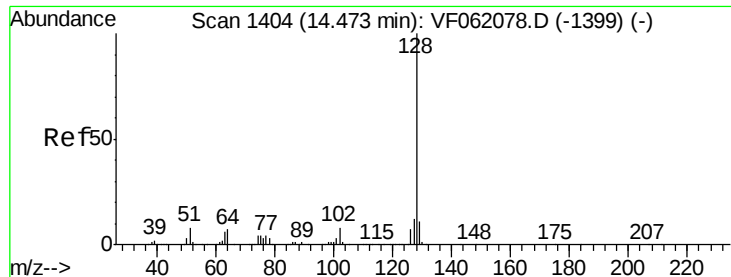
#94
 Hexachlorobutadiene
 Concen: 94.450 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF062080.D
 Acq: 22 Mar 2019 13:22

Tgt Ion:225 Resp: 253994
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.0 90.0
 227 64.5 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

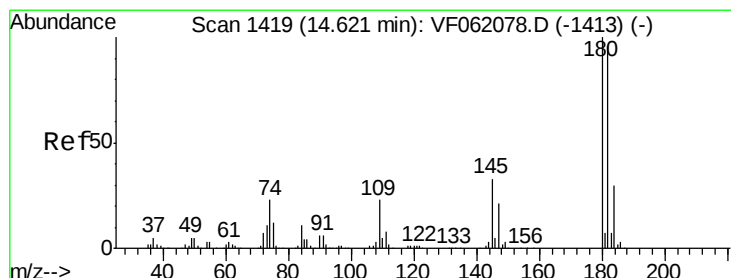
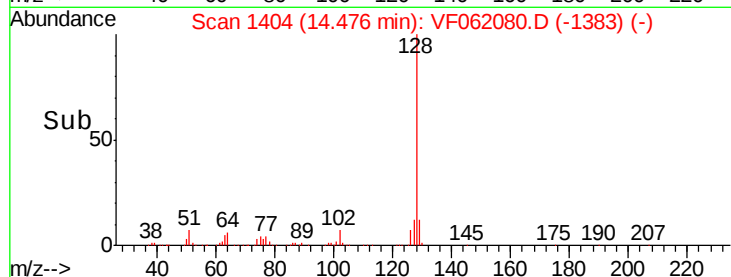
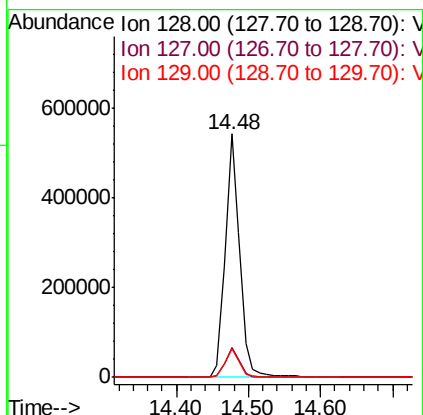
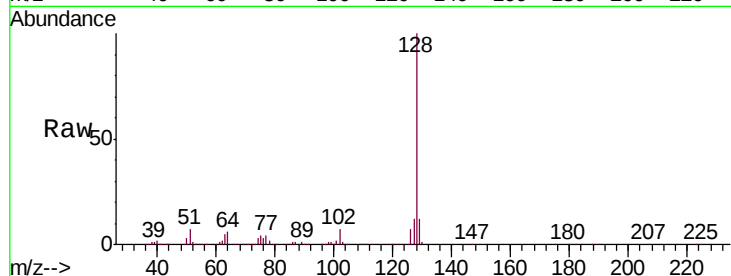




#95
Naphthalene
Concen: 106.286 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 753312
Ion Ratio Lower Upper
128 100
127 12.2 9.5 14.3
129 11.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 98.723 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF062080.D
Acq: 22 Mar 2019 13:22

Tgt Ion:180 Resp: 373751
Ion Ratio Lower Upper
180 100
182 97.9 47.9 143.7
145 32.5 16.6 49.7

