

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062282.D
 Acq On : 24 Apr 2019 15:40
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Apr 25 07:36:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	454724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	651386	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	497658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	266160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	279224	75.72	ug/l	0.00
Spiked Amount			Recovery	=	151.44%	
35) Dibromofluoromethane	4.32	113	349853	70.57	ug/l	0.00
Spiked Amount			Recovery	=	141.14%	
50) Toluene-d8	7.73	98	883865	74.66	ug/l	0.00
Spiked Amount			Recovery	=	149.32%	
62) 4-Bromofluorobenzene	11.50	95	343421	68.83	ug/l	0.00
Spiked Amount			Recovery	=	137.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	391346	69.564	ug/l	96
3) Chloromethane	1.16	50	327365	69.484	ug/l	92
4) Vinyl Chloride	1.20	62	322211	72.902	ug/l	100
5) Bromomethane	1.40	94	218725	73.321	ug/l	86
6) Chloroethane	1.45	64	148036	76.443	ug/l	97
7) Trichlorofluoromethane	1.56	101	523425	75.074	ug/l	93
8) Diethyl Ether	1.72	74	91232	72.807	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	319982	73.219	ug/l	99
10) Methyl Iodide	1.99	142	569389	74.852	ug/l	100
11) Tert butyl alcohol	2.71	59	85591	389.857	ug/l	98
12) 1,1-Dichloroethene	1.87	96	279142	69.609	ug/l	94
13) Acrolein	2.11	56	81223	558.611	ug/l	99
14) Allyl chloride	2.21	41	329485	54.498	ug/l #	69
15) Acrylonitrile	3.10	53	227005	357.511	ug/l	100
16) Acetone	2.36	43	302807	367.562	ug/l	95
17) Carbon Disulfide	1.93	76	620163	59.642	ug/l	97
18) Methyl Acetate	2.47	43	115445	56.518	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	551799	74.682	ug/l	99
20) Methylene Chloride	2.34	84	187711	36.015	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	283622	73.637	ug/l	99
22) Diisopropyl ether	2.94	45	820039	71.262	ug/l	99
23) Vinyl Acetate	3.36	43	1897130	380.530	ug/l	99
24) 1,1-Dichloroethane	3.02	63	503583	78.010	ug/l	98
25) 2-Butanone	4.53	43	490420	375.604	ug/l	98
26) 2,2-Dichloropropane	3.79	77	254704	75.546	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	363257	73.729	ug/l	98
28) Bromochloromethane	3.91	49	195793	69.353	ug/l #	97
29) Tetrahydrofuran	4.29	42	205801	361.628	ug/l	98
30) Chloroform	4.07	83	634718	78.829	ug/l	96
31) Cyclohexane	3.89	56	469531	75.191	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	497357	82.943	ug/l #	84
36) 1,1-Dichloropropene	4.48	75	436546	70.562	ug/l	100
37) Ethyl Acetate	4.31	43	178428	70.241	ug/l #	74
38) Carbon Tetrachloride	4.20	117	588144	97.293	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	507447	69.602	ug/l	98
40) Benzene	4.84	78	1077964	72.239	ug/l	99
41) Methacrylonitrile	4.95	41	103498	72.944	ug/l	96
42) 1,2-Dichloroethane	5.14	62	352201	76.858	ug/l	100
43) Isopropyl Acetate	7.12	43	200792	74.944	ug/l #	100
44) Trichloroethene	5.69	130	340704	67.507	ug/l	98
45) 1,2-Dichloropropane	6.41	63	238929	72.688	ug/l	99
46) Dibromomethane	6.28	93	181021	76.024	ug/l	99
47) Bromodichloromethane	6.56	83	422963	75.454	ug/l	99
48) Methyl methacrylate	6.89	41	140793	76.584	ug/l	99
49) 1,4-Dioxane	6.88	88	29551	1404.481	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	701007	341.956	ug/l	99
52) Toluene	7.79	92	626427	73.193	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	303093	74.244	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	393594	74.249	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	182976	78.220	ug/l	97
56) Ethyl methacrylate	8.77	69	195323	74.692	ug/l	99
57) 1,3-Dichloropropane	9.01	76	282120	76.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	280420	347.118	ug/l	99
59) 2-Hexanone	9.63	43	469986	235.095	ug/l	98
60) Dibromochloromethane	8.87	129	300572	79.741	ug/l	99
61) 1,2-Dibromoethane	9.14	107	208087	76.336	ug/l	95
64) Tetrachloroethene	8.32	164	308185	72.048	ug/l	98
65) Chlorobenzene	9.94	112	692492	75.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	311963	70.120	ug/l	98
67) Ethyl Benzene	10.04	91	1123374	68.612	ug/l	100
68) m/p-Xylenes	10.27	106	852871	141.078	ug/l	95
69) o-Xylene	10.83	106	493263	72.688	ug/l	92
70) Styrene	10.90	104	669224	68.167	ug/l	99
71) Bromoform	10.89	173	178618	73.972	ug/l #	98
73) Isopropylbenzene	11.22	105	1353289	71.218	ug/l	95
74) N-amyl acetate	11.45	43	285059	66.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	223109	78.515	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	157446	76.781	ug/l #	100
77) Bromobenzene	11.59	156	343134	74.873	ug/l	99
78) n-propylbenzene	11.68	91	1380573	69.817	ug/l	98
79) 2-Chlorotoluene	11.81	91	869292	73.969	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1098733	69.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	91768	77.068	ug/l #	67
82) 4-Chlorotoluene	11.98	91	825001	70.838	ug/l	97
83) tert-Butylbenzene	12.20	119	1159269	69.542	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1062089	67.929	ug/l	97
85) sec-Butylbenzene	12.38	105	1403190	67.808	ug/l	99
86) p-Isopropyltoluene	12.53	119	1261367	68.477	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	561140	67.291	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	558127	71.376	ug/l	98
89) n-Butylbenzene	12.90	91	1082554	63.019	ug/l	98
90) Hexachloroethane	12.98	117	332810	72.822	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	560483	69.917	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	44701	77.389	ug/l	95

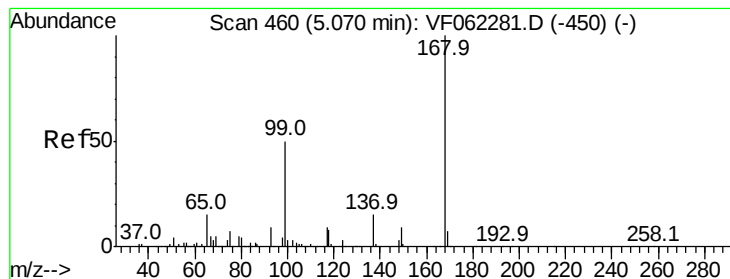
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	482135	67.882	ug/l	98
94) Hexachlorobutadiene	14.23	225	358740	71.161	ug/l	99
95) Naphthalene	14.50	128	788718	74.788	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	470316	71.944	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

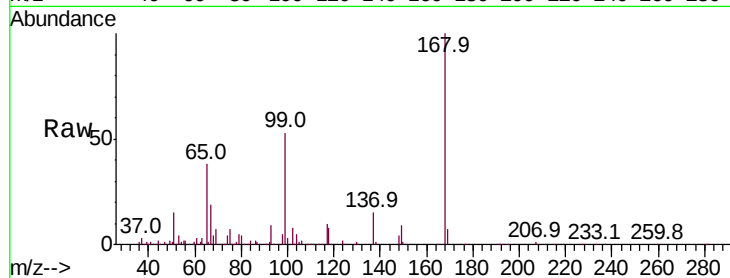
VSTDIC075

Tot Ion:168 Resp: 454724

Ion Ratio Lower Upper

168 100

99 52.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

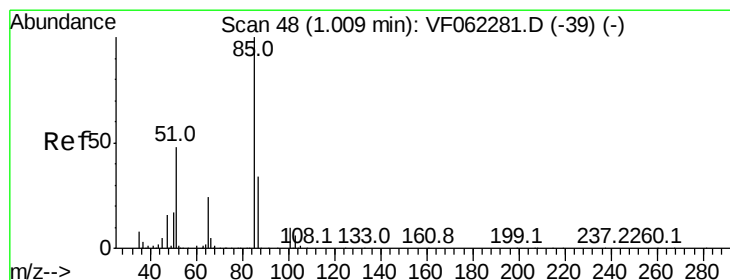
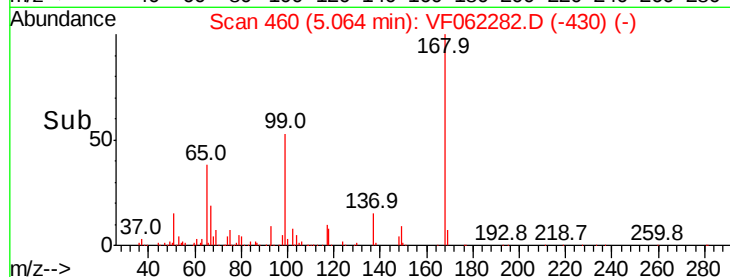
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50000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 69.564 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062282.D

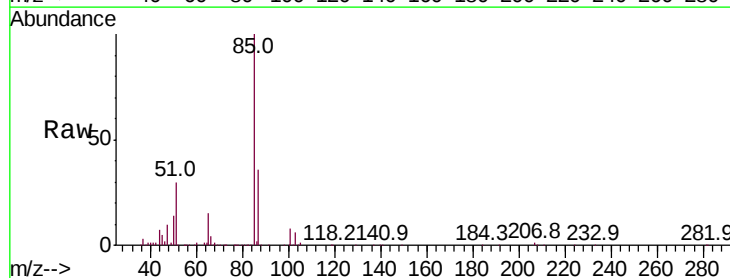
Acq: 24 Apr 2019 15:40

Tgt Ion: 85 Resp: 391346

Ion Ratio Lower Upper

85 100

87 36.3 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

120000

100000

80000

60000

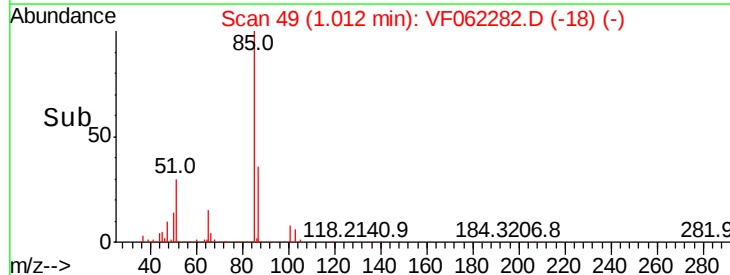
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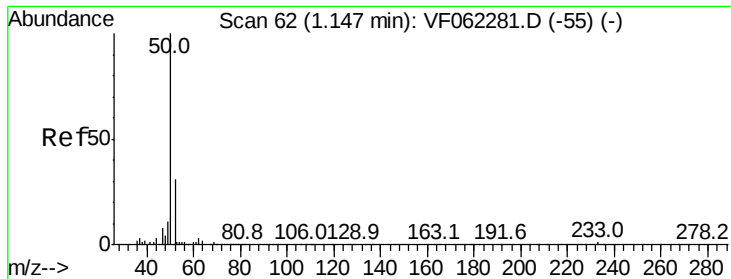
20000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 69.484 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

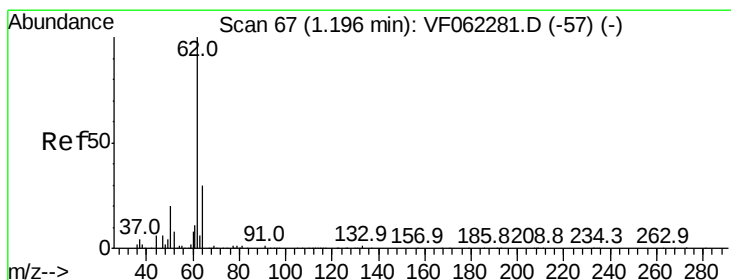
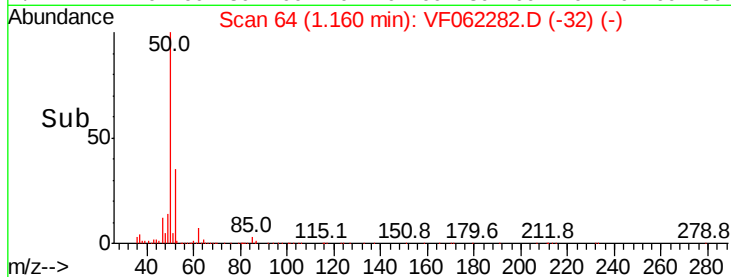
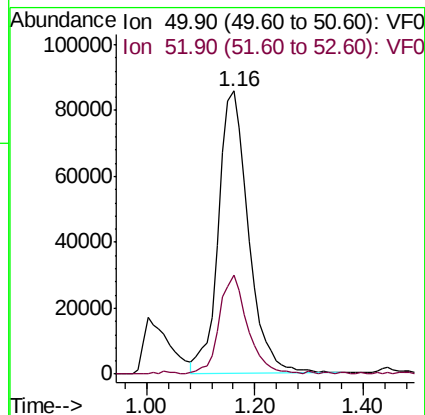
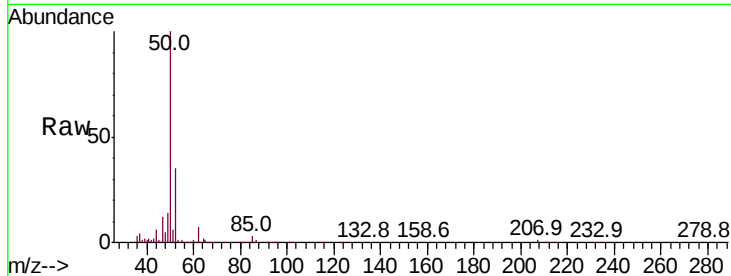
VSTDIC075

Tot Ion: 50 Resp: 327365

Ion Ratio Lower Upper

50 100

52 34.8 24.2 36.4



#4

Vinyl Chloride

Concen: 72.902 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062282.D

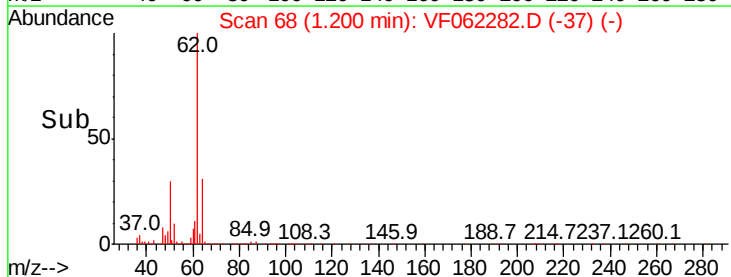
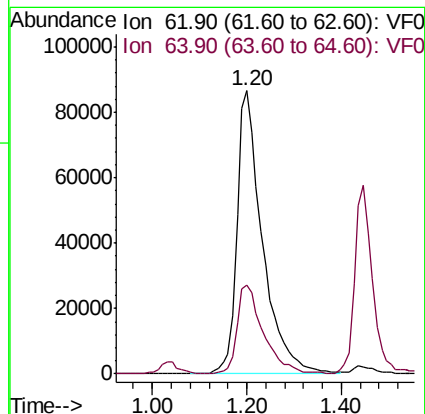
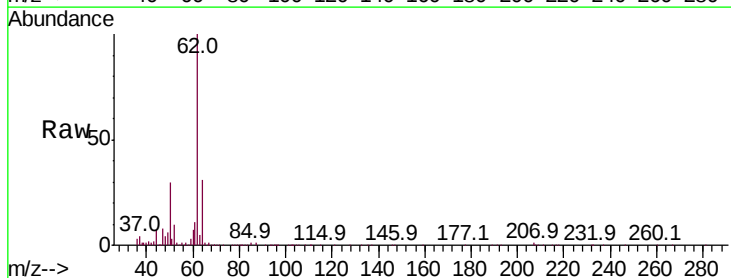
Acq: 24 Apr 2019 15:40

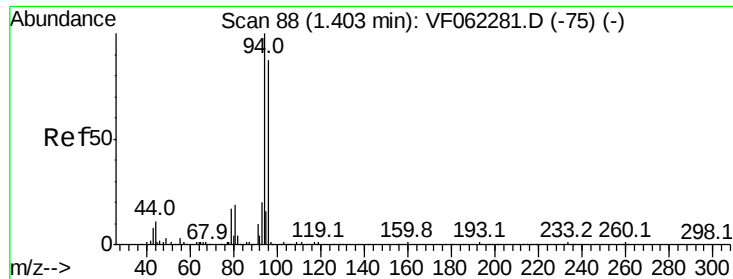
Tgt Ion: 62 Resp: 322211

Ion Ratio Lower Upper

62 100

64 30.5 24.3 36.5





#5

Bromomethane

Concen: 73.321 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

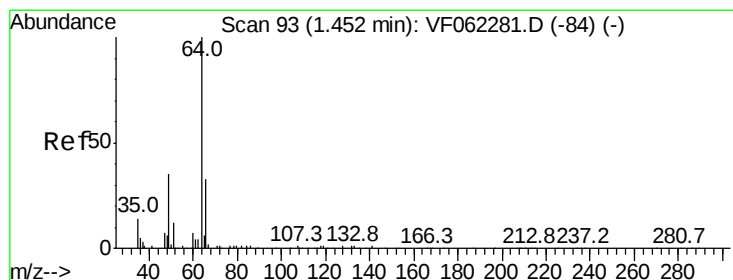
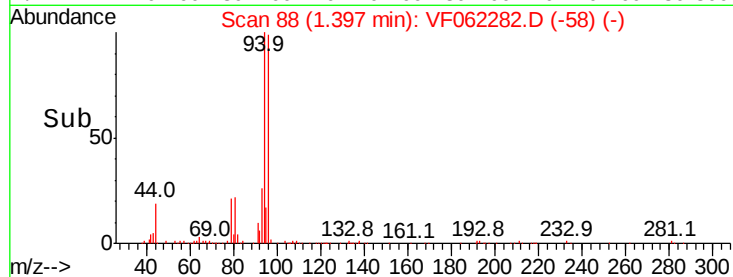
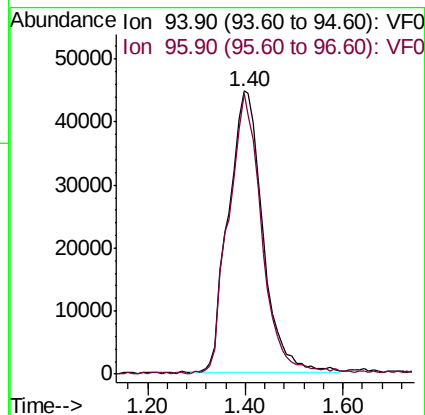
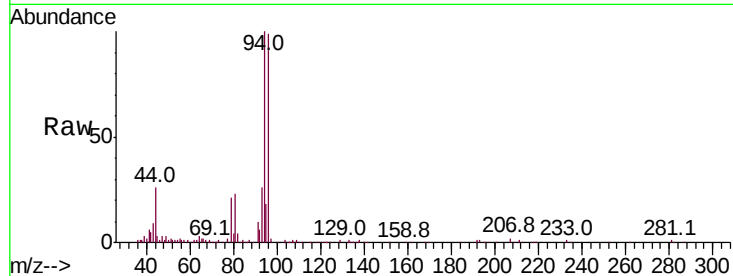
VSTDIC075

Tot Ion: 94 Resp: 218725

Ion Ratio Lower Upper

94 100

96 99.8 69.5 104.3



#6

Chloroethane

Concen: 76.443 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062282.D

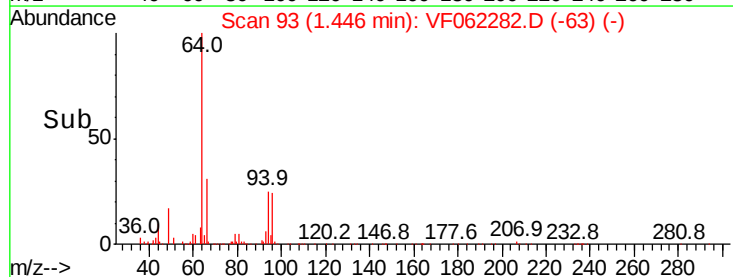
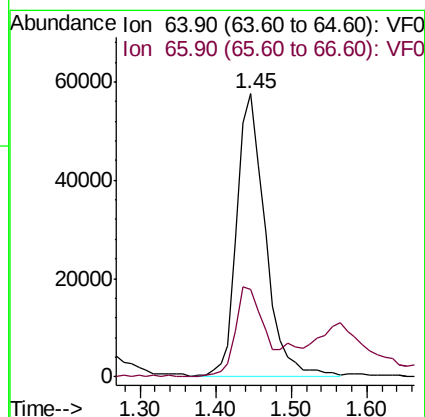
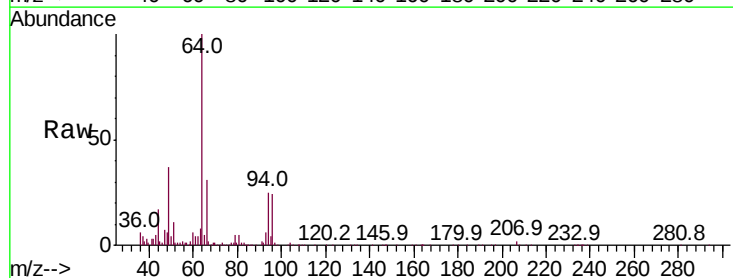
Acq: 24 Apr 2019 15:40

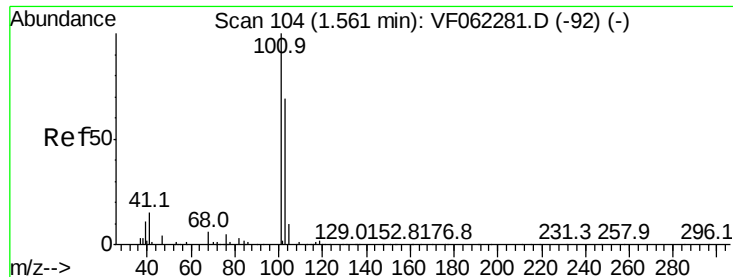
Tgt Ion: 64 Resp: 148036

Ion Ratio Lower Upper

64 100

66 30.5 26.0 39.0



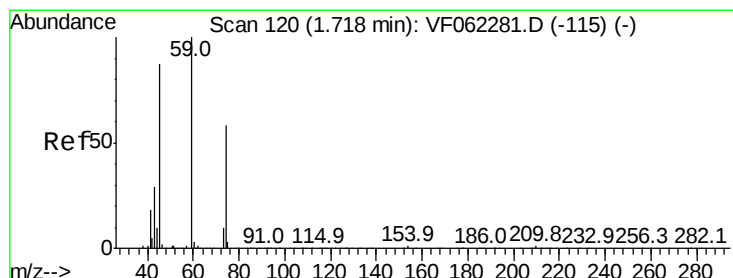
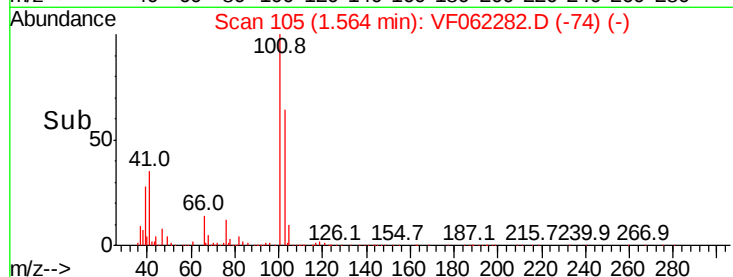
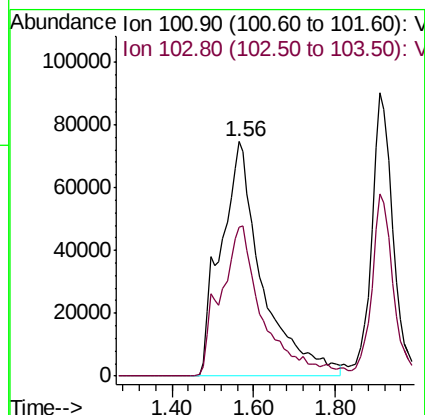
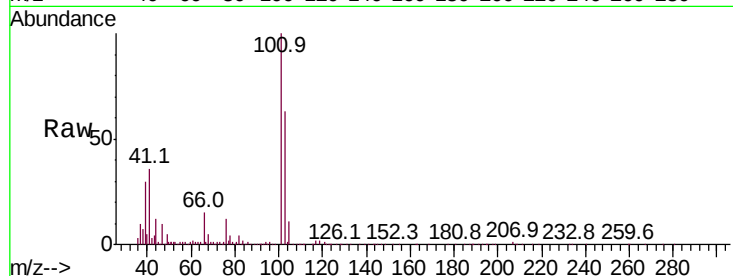


#7

Trichlorofluoromethane
Concen: 75.074 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
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ClientSampleId :
VSTDIC075

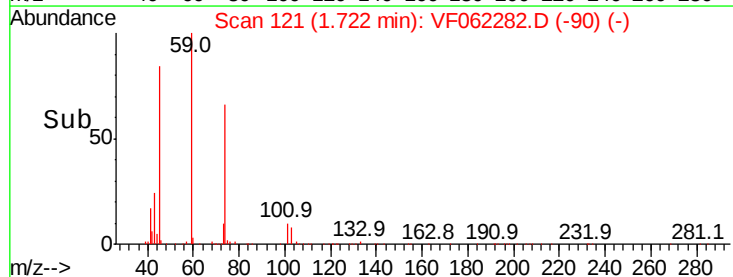
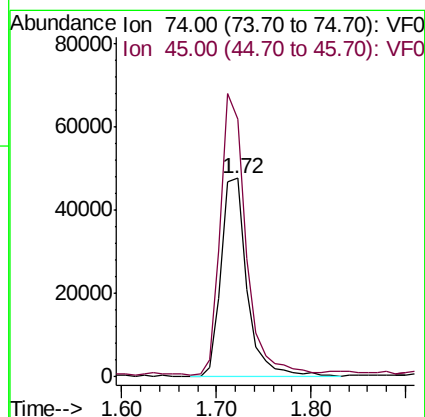
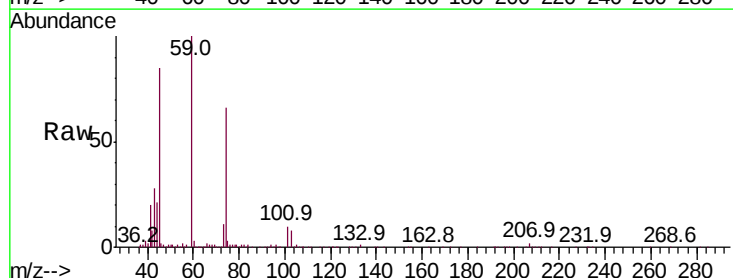
Tot Ion:101 Resp: 523425
Ion Ratio Lower Upper
101 100
103 63.2 55.0 82.6

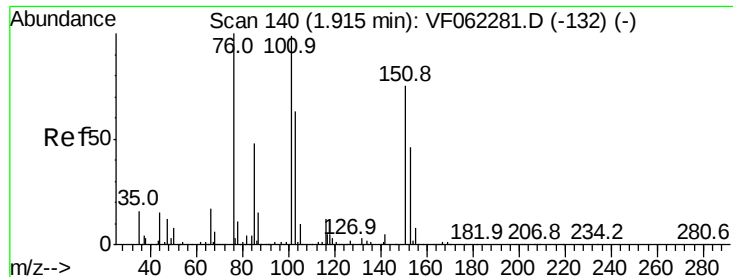


#8

Diethyl Ether
Concen: 72.807 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 74 Resp: 91232
Ion Ratio Lower Upper
74 100
45 138.8 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.219 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

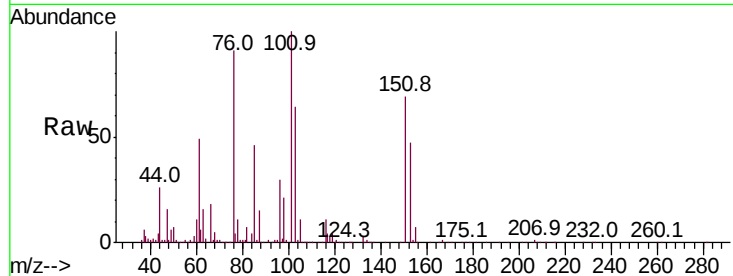
Tot Ion:101 Resp: 319982

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

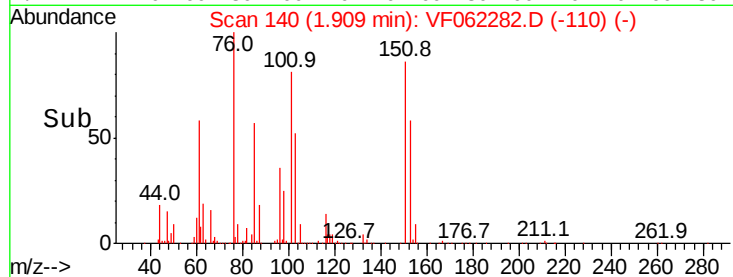
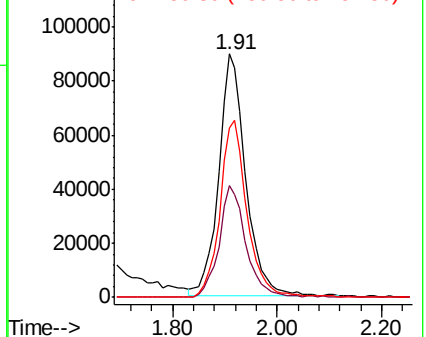
151 72.6 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 74.852 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

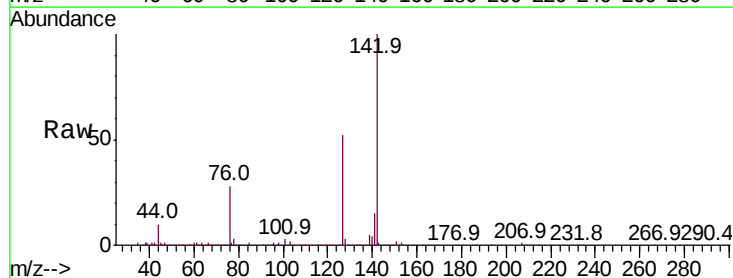
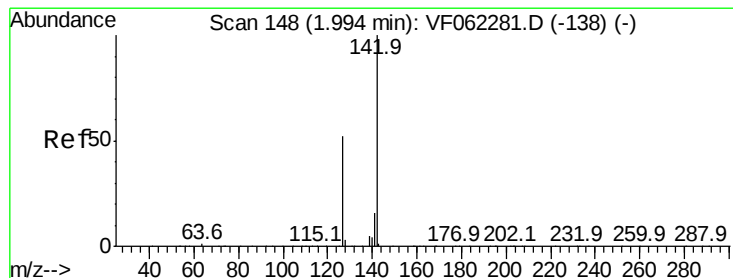
Tgt Ion:142 Resp: 569389

Ion Ratio Lower Upper

142 100

127 53.7 43.0 64.4

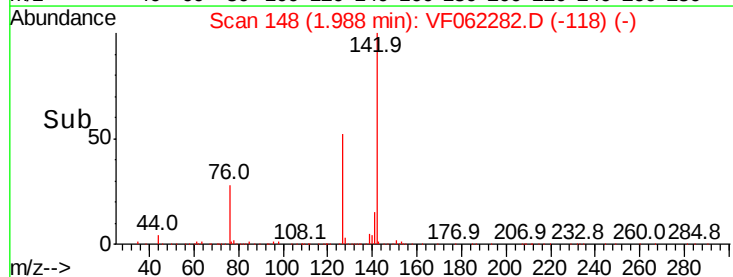
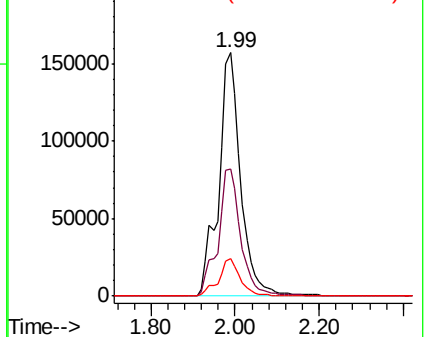
141 15.1 12.3 18.5

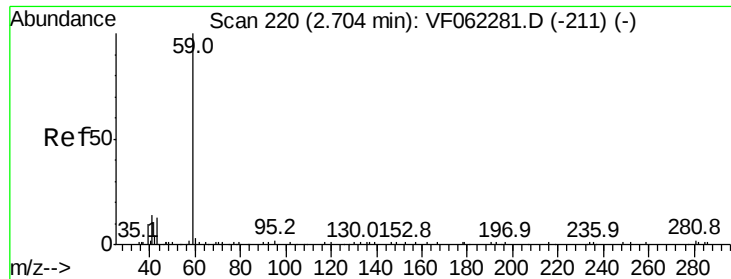


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

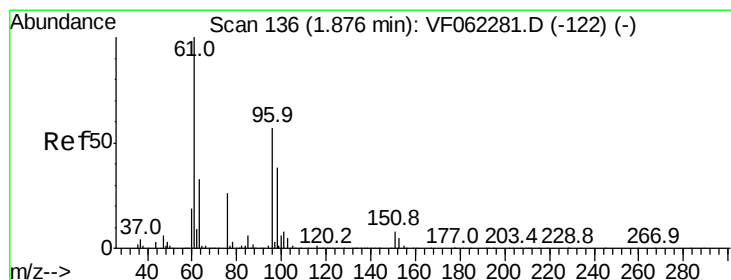
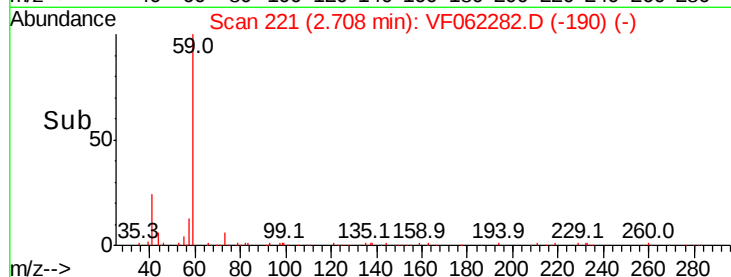
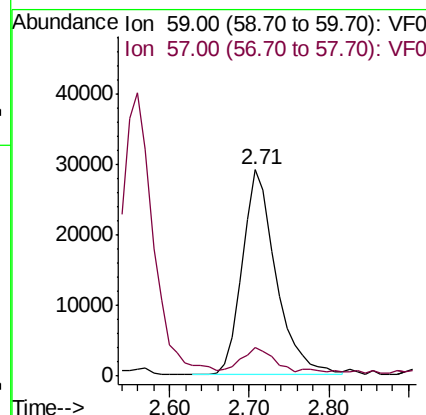
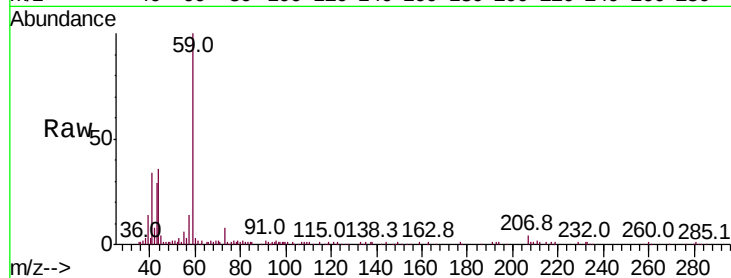




#11
Tert butyl alcohol
Concen: 389.857 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

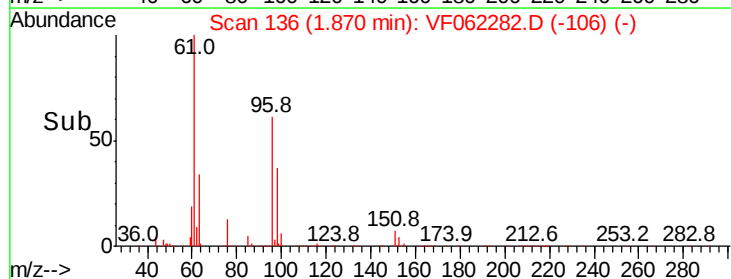
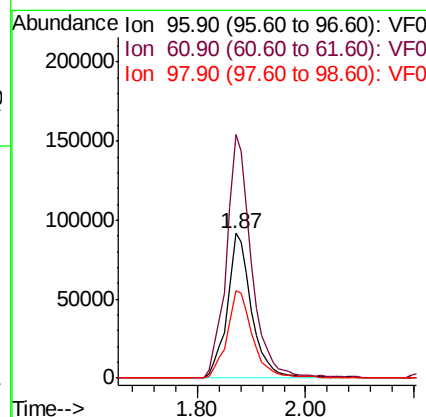
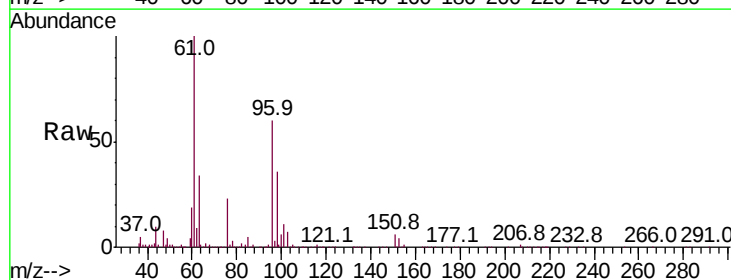
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

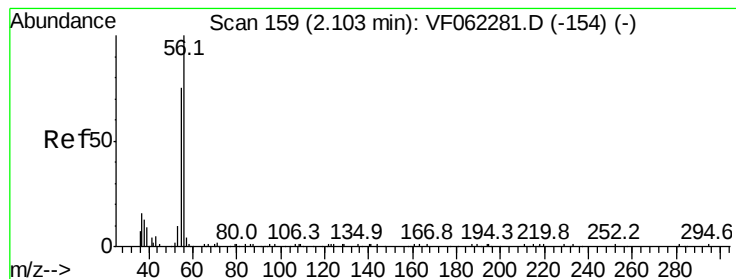
Tot Ion: 59 Resp: 85591
Ion Ratio Lower Upper
59 100
57 11.9 8.8 13.2



#12
1,1-Dichloroethene
Concen: 69.609 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 96 Resp: 279142
Ion Ratio Lower Upper
96 100
61 168.6 141.1 211.7
98 60.5 53.4 80.0





#13

Acrolein

Concen: 558.611 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

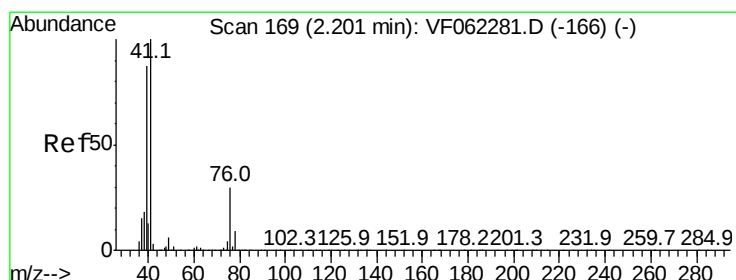
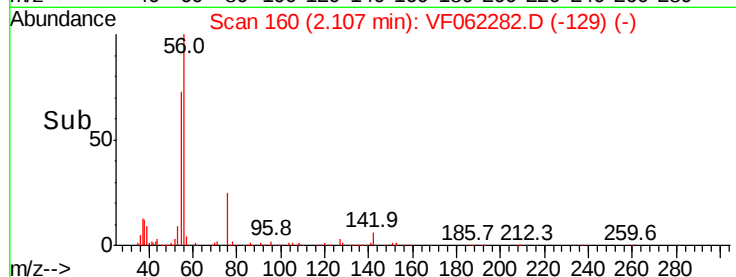
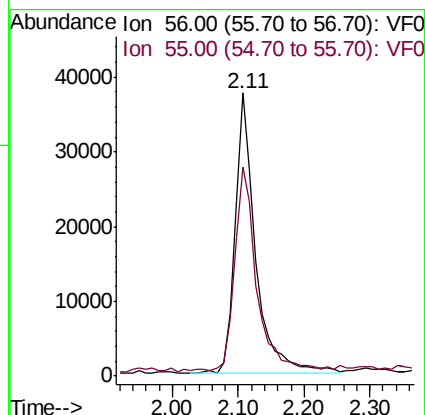
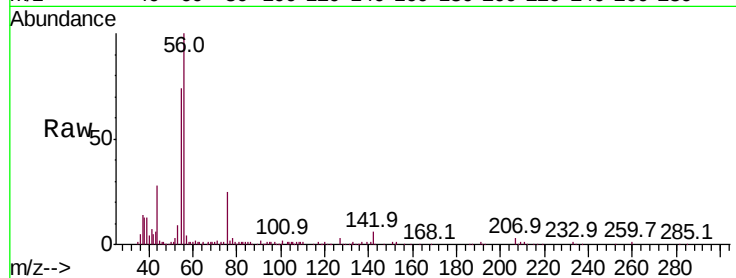
VSTDIC075

Tot Ion: 56 Resp: 81223

Ion Ratio Lower Upper

56 100

55 76.9 62.3 93.5



#14

Allyl chloride

Concen: 54.498 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

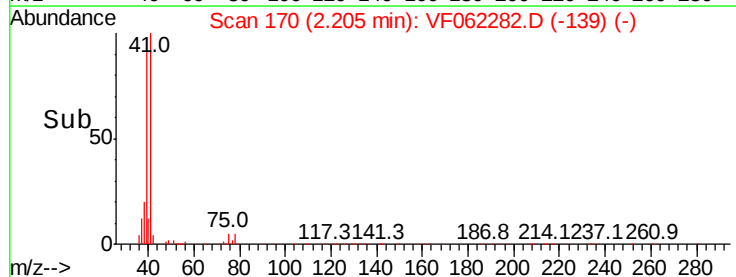
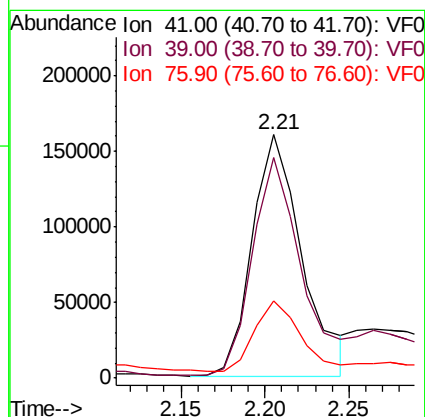
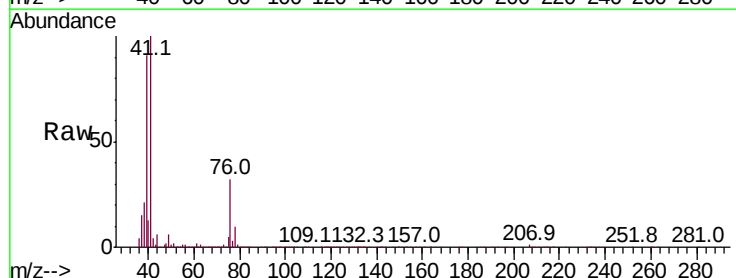
Tgt Ion: 41 Resp: 329485

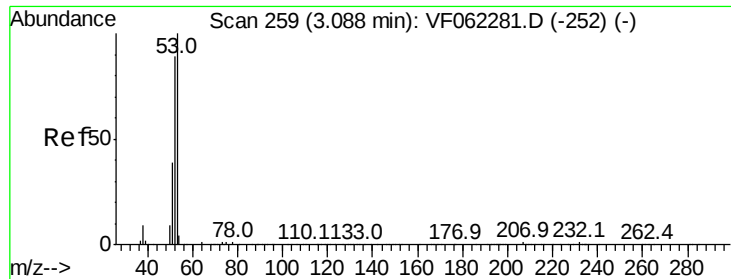
Ion Ratio Lower Upper

41 100

39 89.0 50.3 75.5#

76 27.9 14.8 22.2#

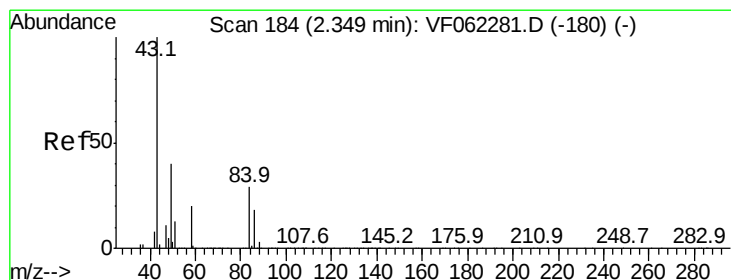
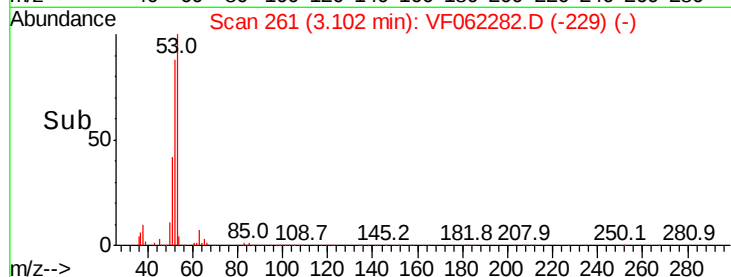
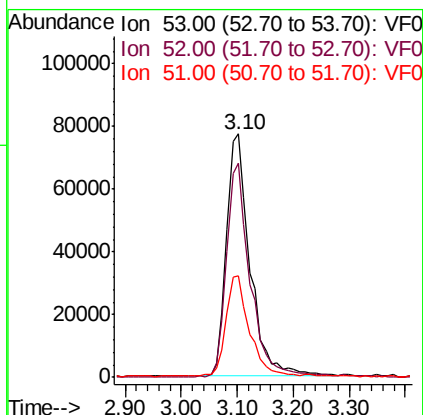
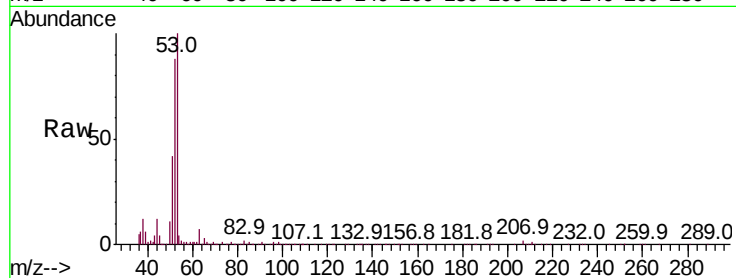




#15
Acrylonitrile
Concen: 357.511 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

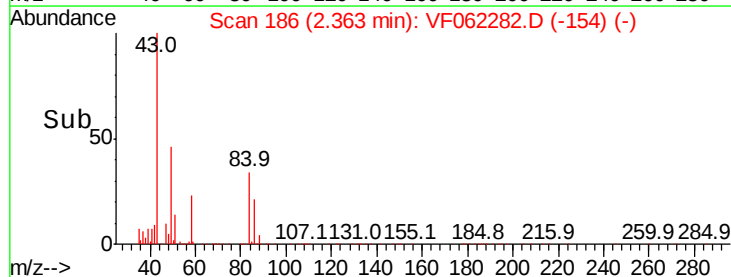
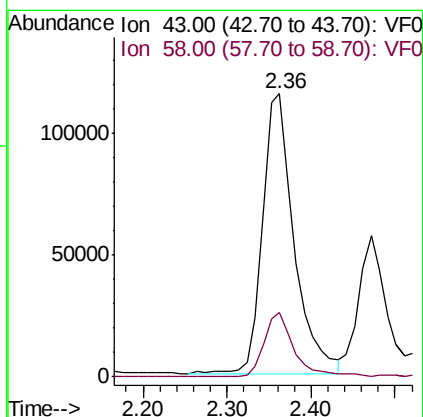
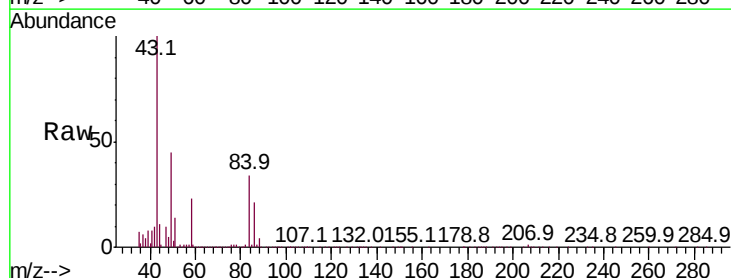
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

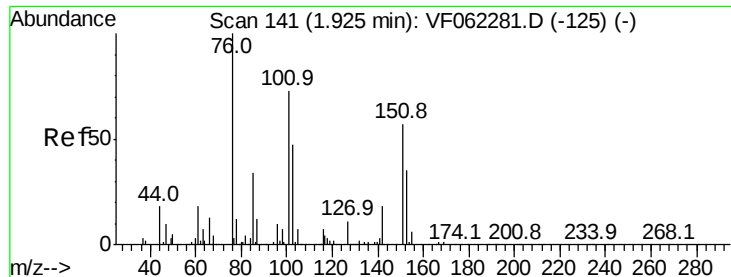
Tot Ion: 53 Resp: 227005
Ion Ratio Lower Upper
53 100
52 88.4 70.6 105.8
51 40.8 32.6 48.8



#16
Acetone
Concen: 367.562 ug/l
RT: 2.36 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 43 Resp: 302807
Ion Ratio Lower Upper
43 100
58 22.8 16.4 24.6

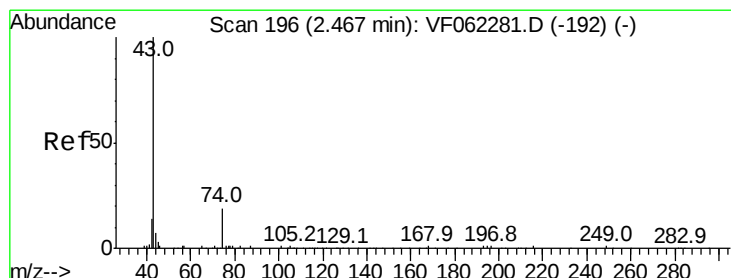
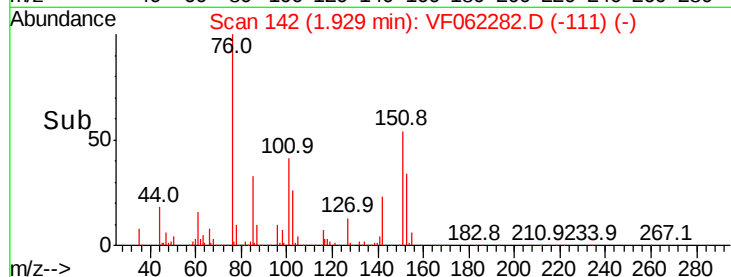
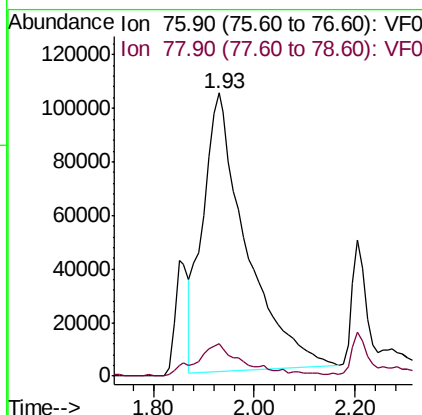
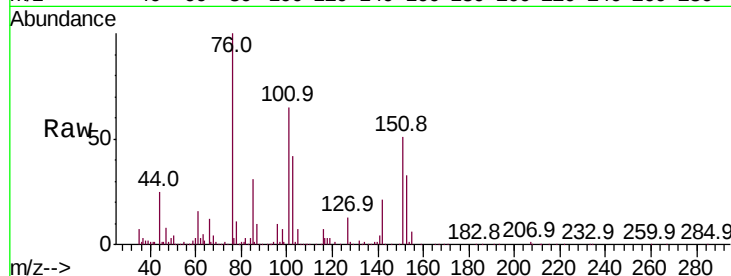




#17
Carbon Disulfide
Concen: 59.642 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

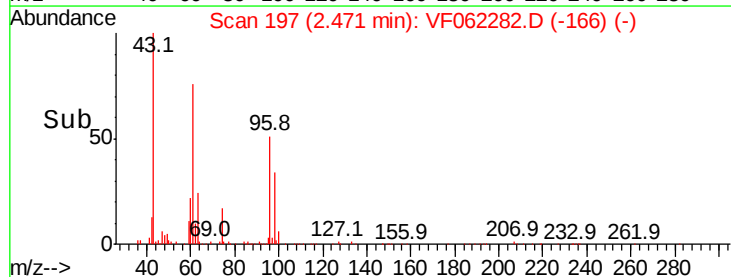
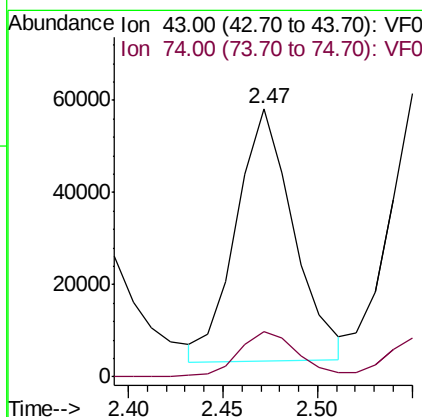
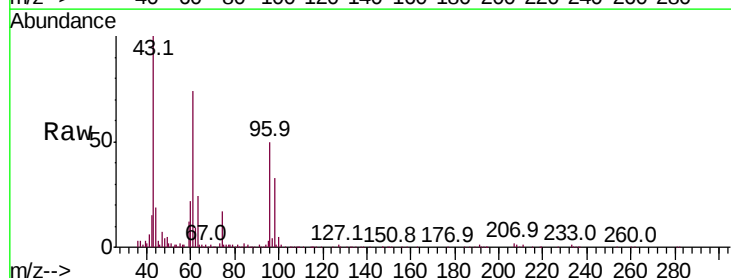
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

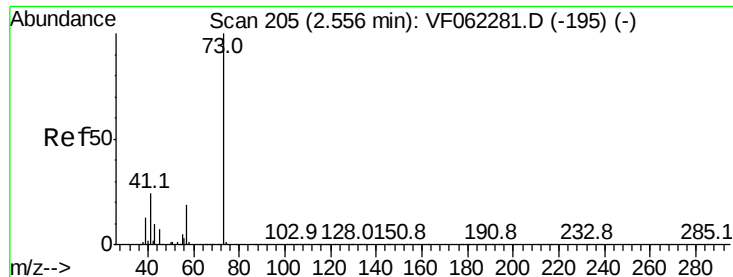
Tot Ion: 76 Resp: 620163
Ion Ratio Lower Upper
76 100
78 11.1 9.8 14.8



#18
Methyl Acetate
Concen: 56.518 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 43 Resp: 115445
Ion Ratio Lower Upper
43 100
74 17.9 14.4 21.6





#19

Methyl tert-butyl Ether

Concen: 74.682 ug/l

RT: 2.56 min Scan# 206

Delta R.T. 0.00 min

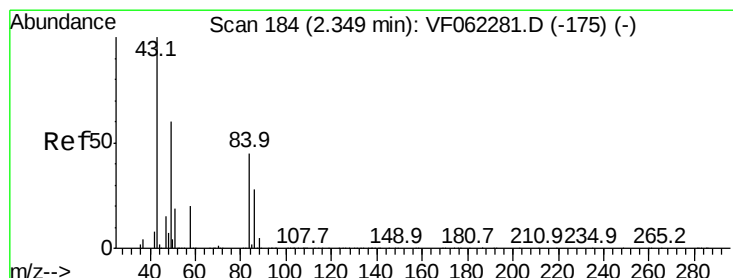
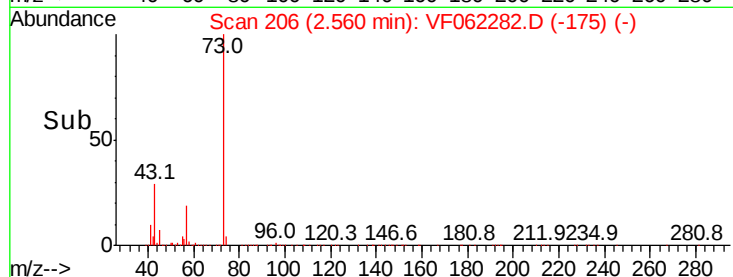
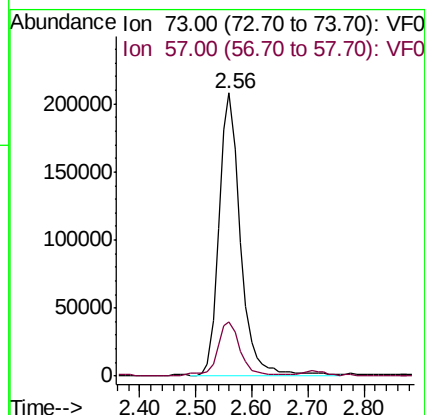
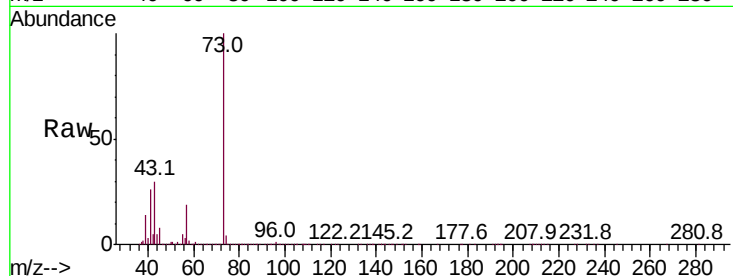
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 551799

Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.5	23.3



#20

Methylene Chloride

Concen: 36.015 ug/l

RT: 2.34 min Scan# 184

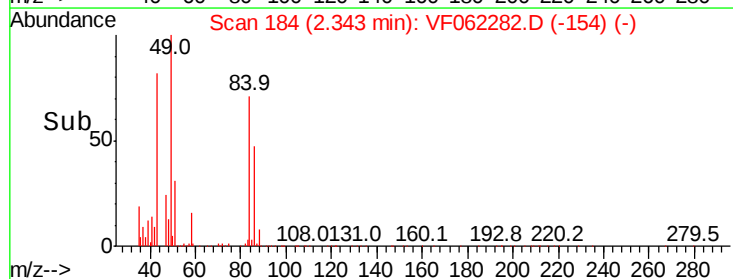
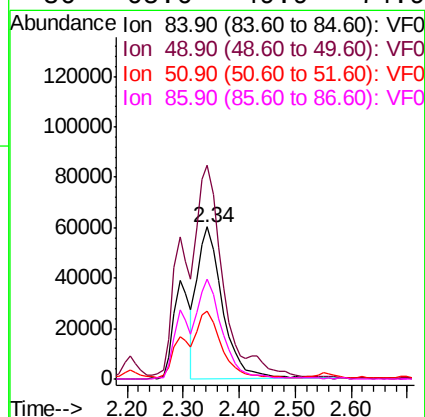
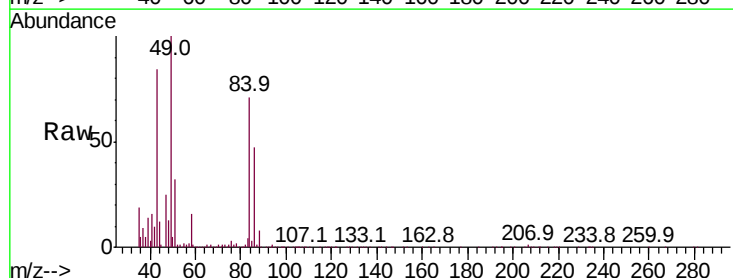
Delta R.T. -0.01 min

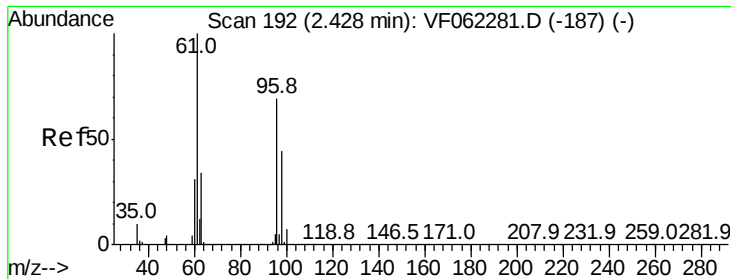
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion: 84 Resp: 187711

Ion	Ratio	Lower	Upper
84	100		
49	140.1	112.1	168.1
51	42.4	35.9	53.9
86	65.6	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 73.637 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

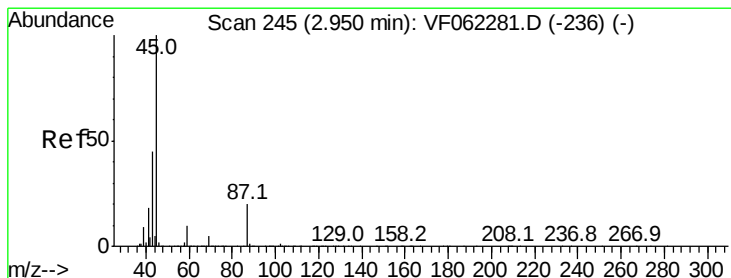
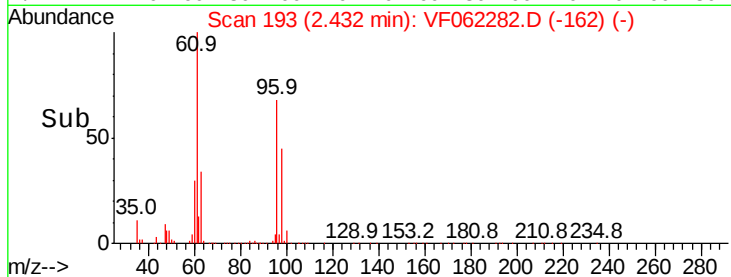
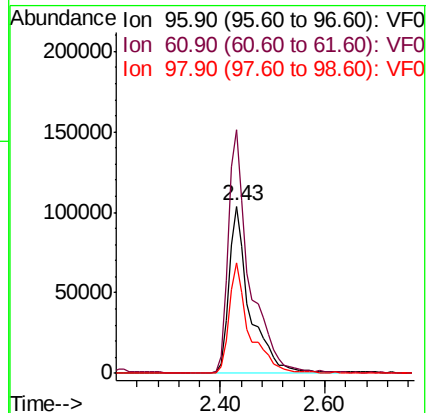
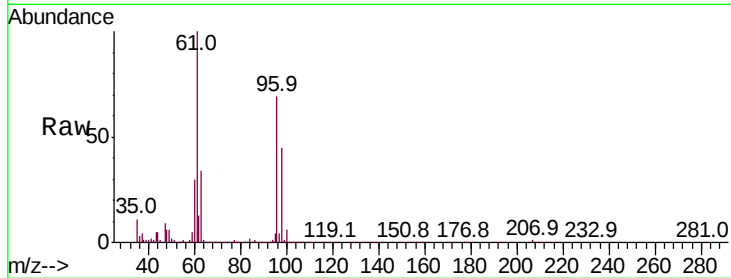
Tot Ion: 96 Resp: 283622

Ion Ratio Lower Upper

96 100

61 145.6 116.2 174.2

98 65.8 51.4 77.0



#22

Diisopropyl ether

Concen: 71.262 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion: 45 Resp: 820039

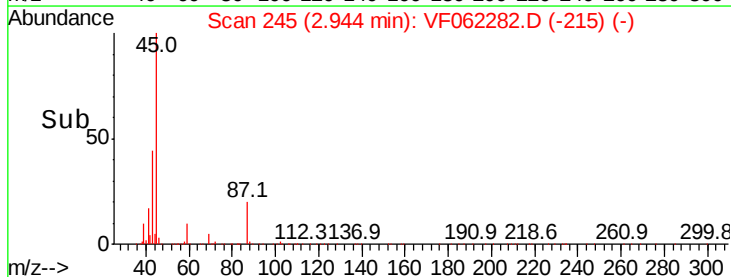
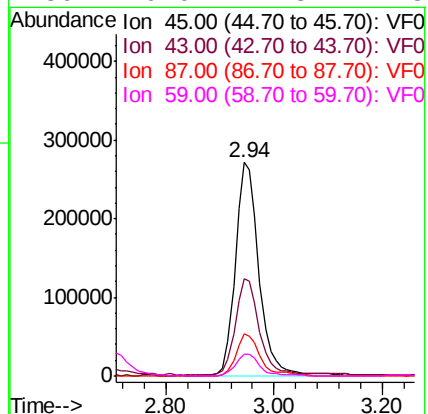
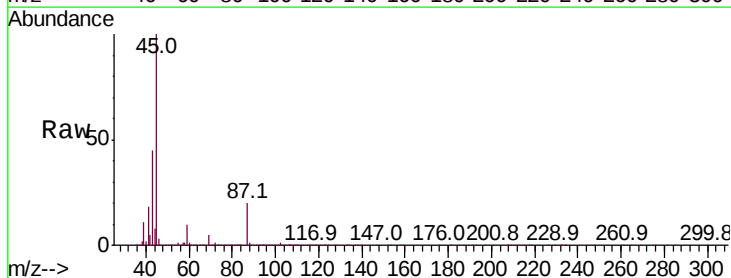
Ion Ratio Lower Upper

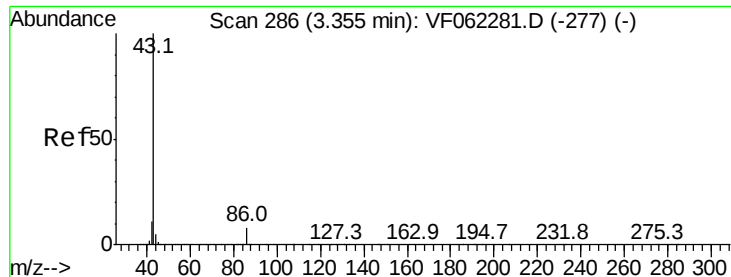
45 100

43 44.8 36.2 54.2

87 19.6 15.8 23.6

59 10.0 7.8 11.8





#23

Vinyl Acetate

Concen: 380.530 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.00 min

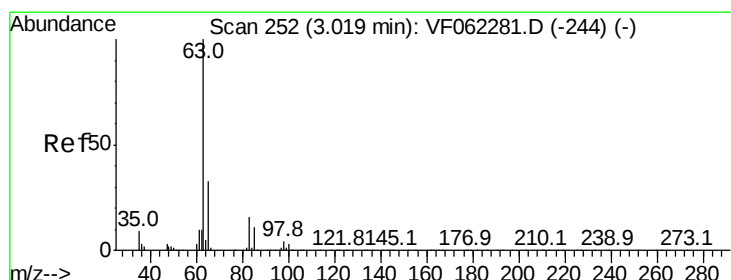
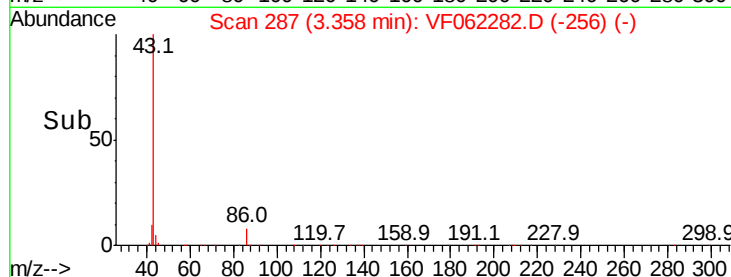
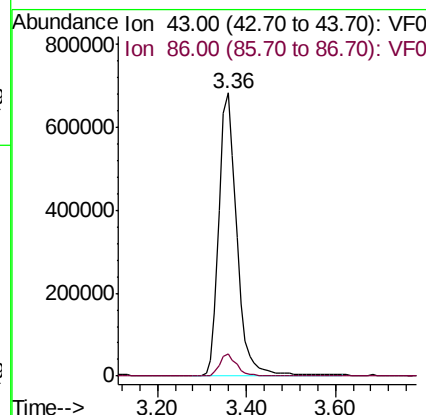
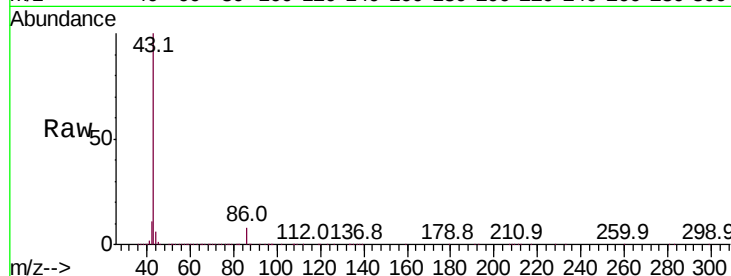
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1897130

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.0	9.0



#24

1,1-Dichloroethane

Concen: 78.010 ug/l

RT: 3.02 min Scan# 253

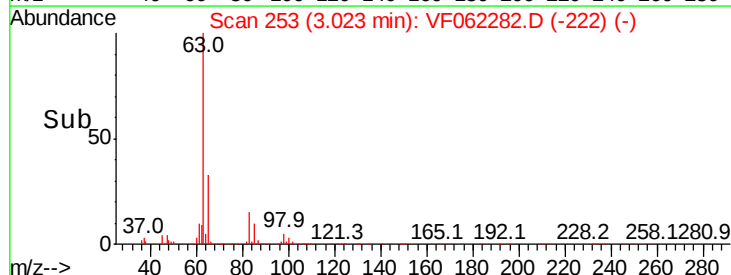
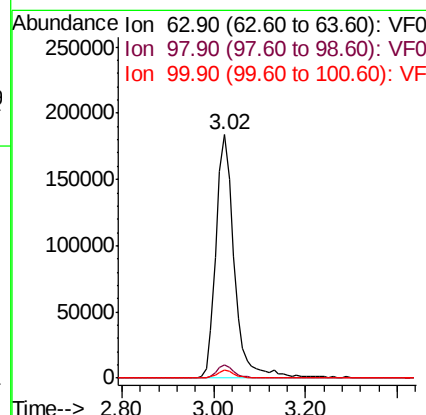
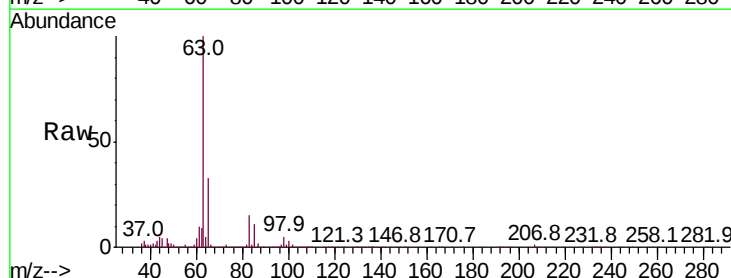
Delta R.T. 0.00 min

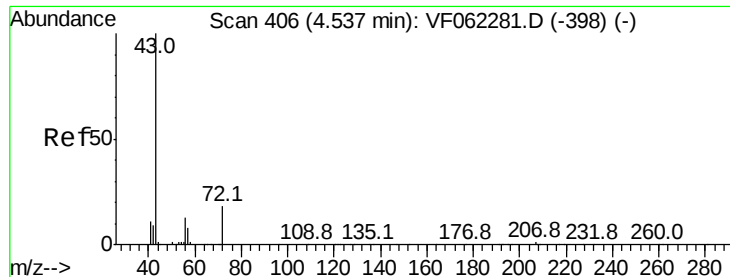
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion: 63 Resp: 503583

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.1	6.2
100	3.3	1.5	4.5





#25

2-Butanone

Concen: 375.604 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

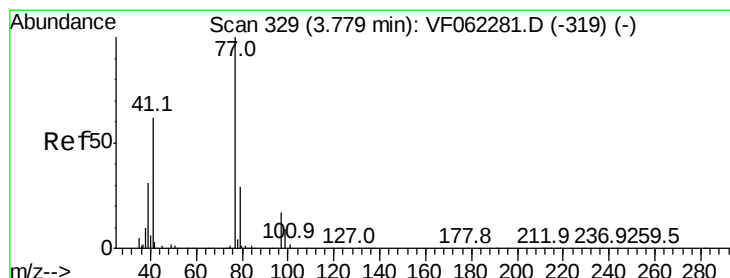
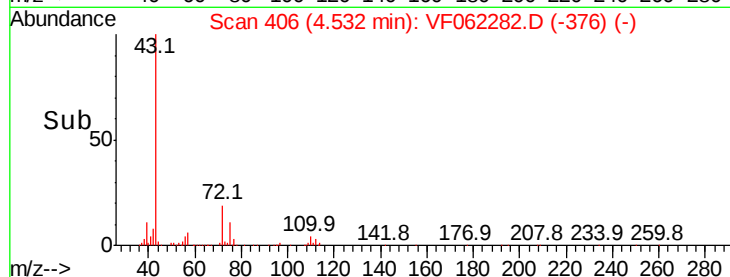
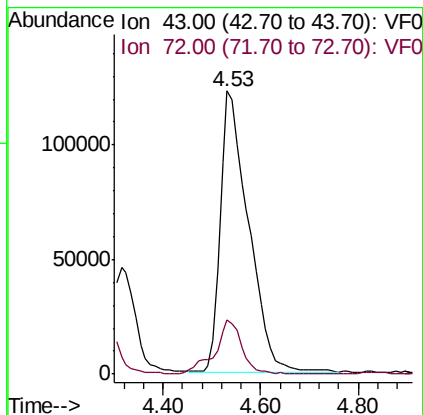
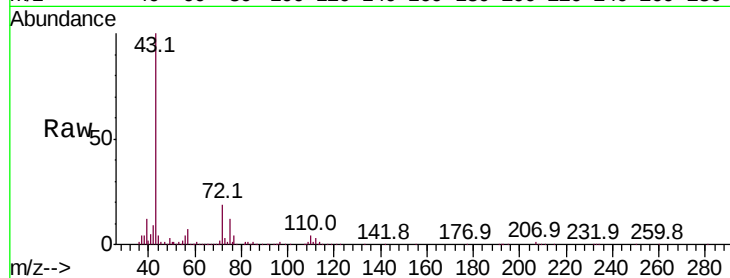
VSTDIC075

Tot Ion: 43 Resp: 490420

Ion Ratio Lower Upper

43 100

72 19.0 15.8 23.6



#26

2,2-Dichloropropane

Concen: 75.546 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062282.D

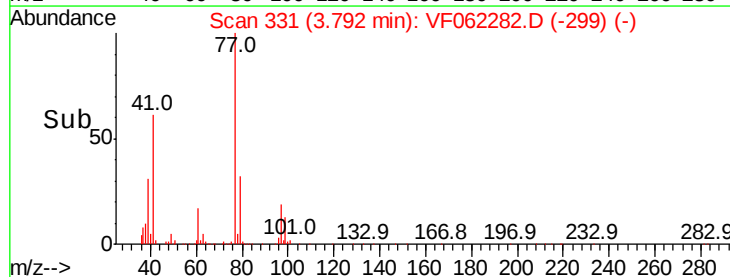
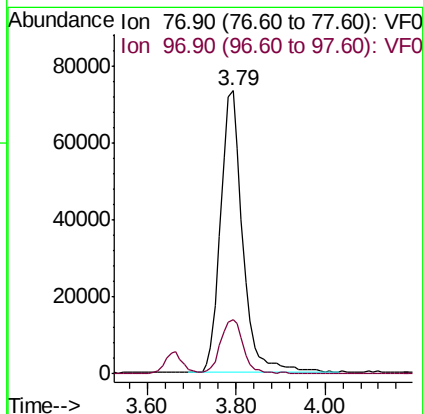
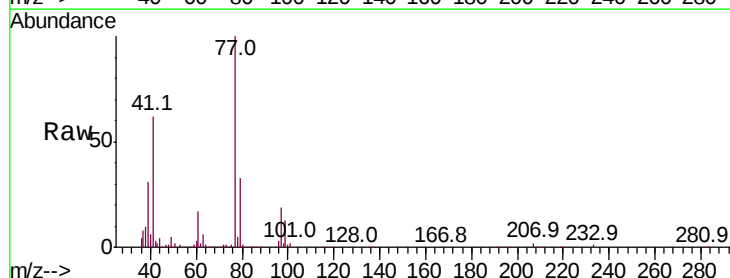
Acq: 24 Apr 2019 15:40

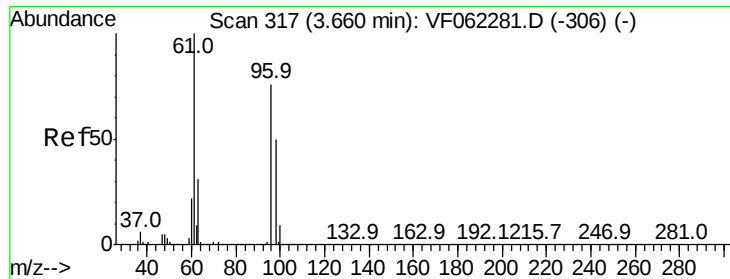
Tgt Ion: 77 Resp: 254704

Ion Ratio Lower Upper

77 100

97 19.5 10.3 30.8



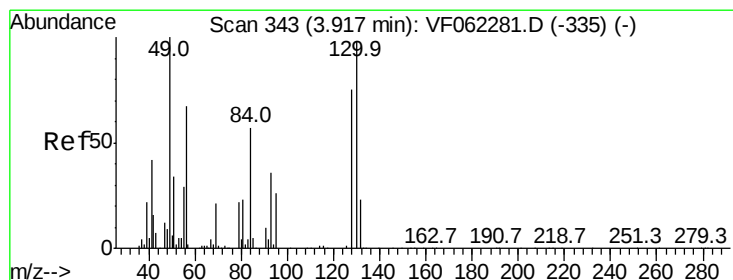
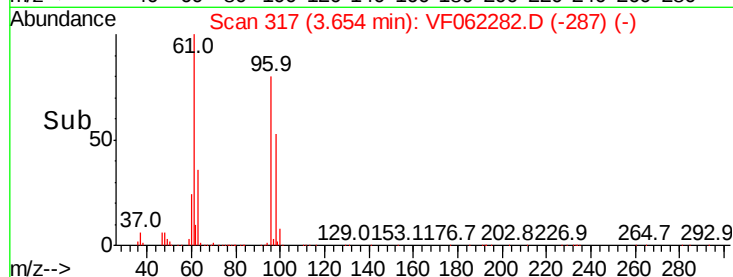
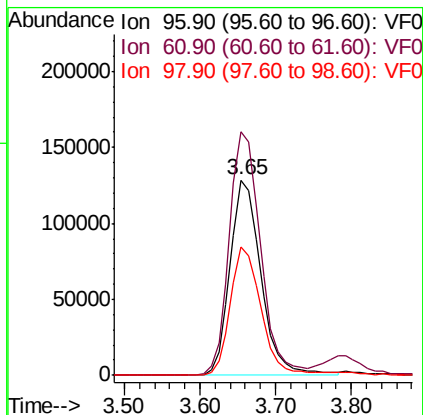
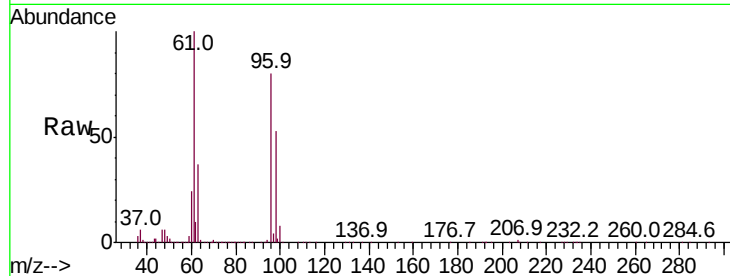


#27

cis-1,2-Dichloroethene
Concen: 73.729 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

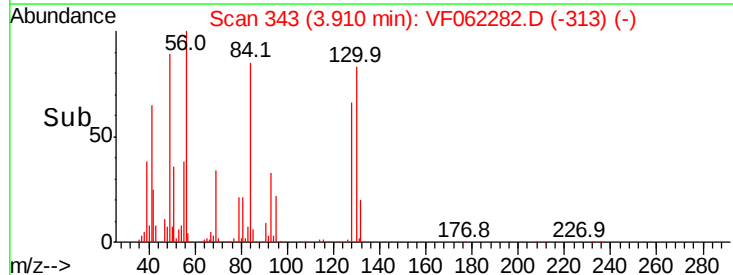
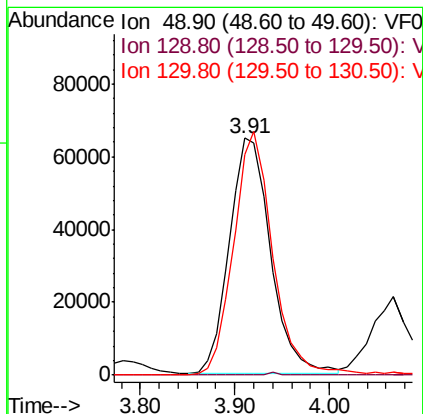
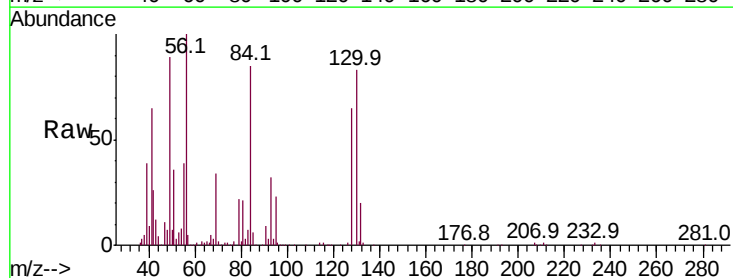
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	257.6
98	65.9	0.0	137.4

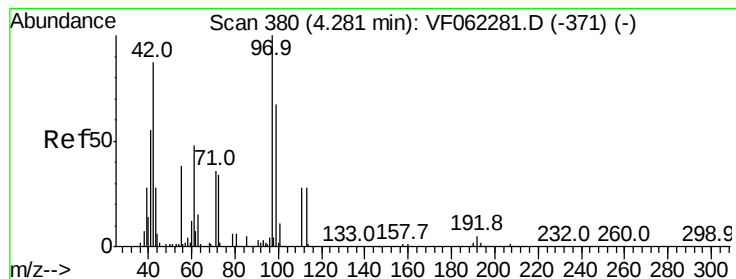


#28

Bromochloromethane
Concen: 69.353 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	99.2	77.0	115.4





#29

Tetrahydrofuran

Concen: 361.628 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

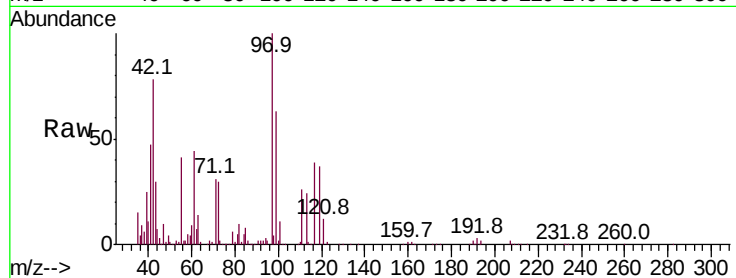
Tot Ion: 42 Resp: 205801

Ion Ratio Lower Upper

42 100

72 37.5 29.3 43.9

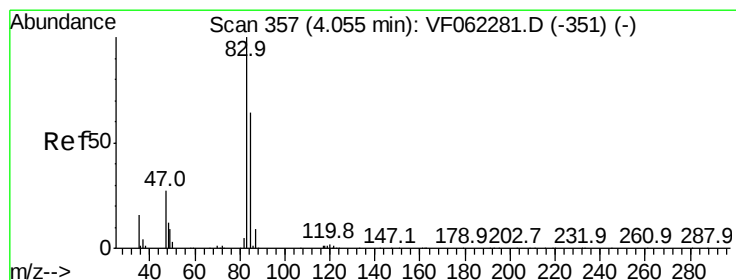
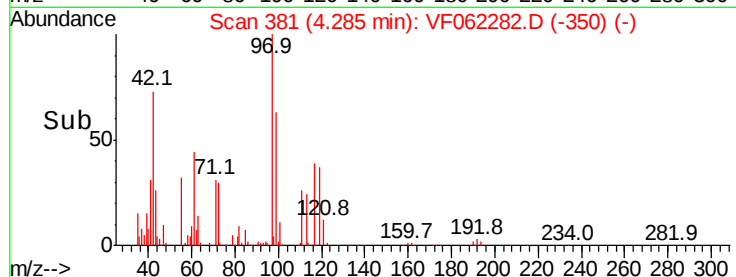
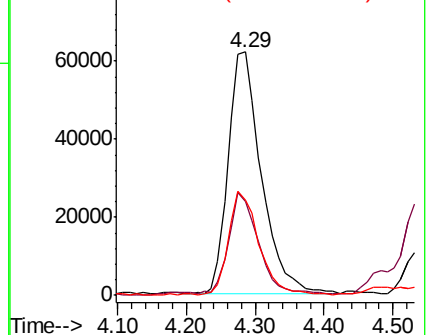
71 40.5 31.2 46.8



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: 78.829 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF062282.D

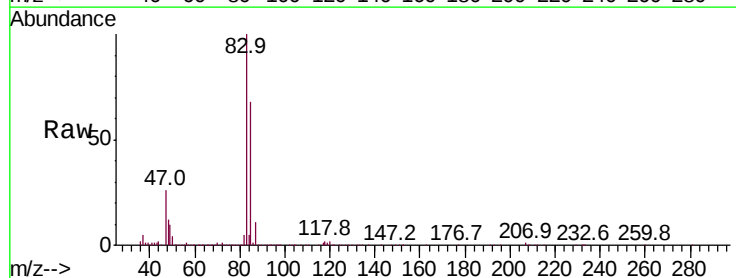
Acq: 24 Apr 2019 15:40

Tgt Ion: 83 Resp: 634718

Ion Ratio Lower Upper

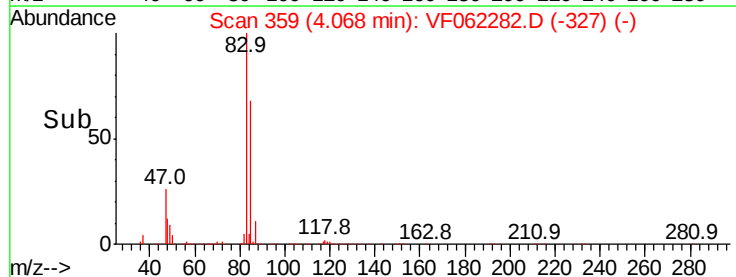
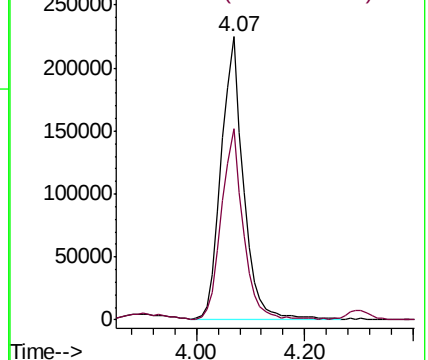
83 100

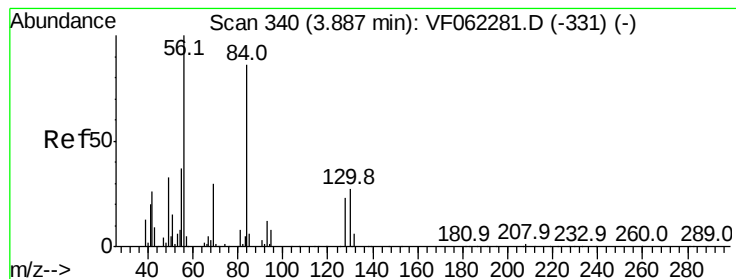
85 67.4 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 75.191 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

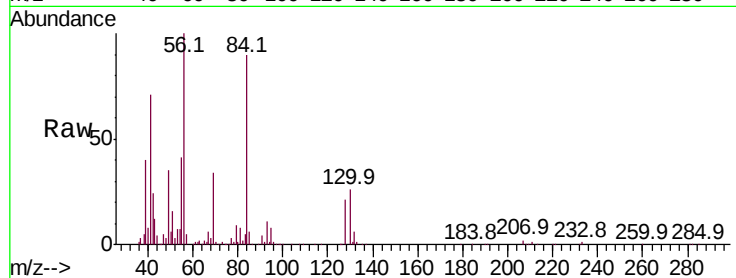
Tot Ion: 56 Resp: 469531

Ion Ratio Lower Upper

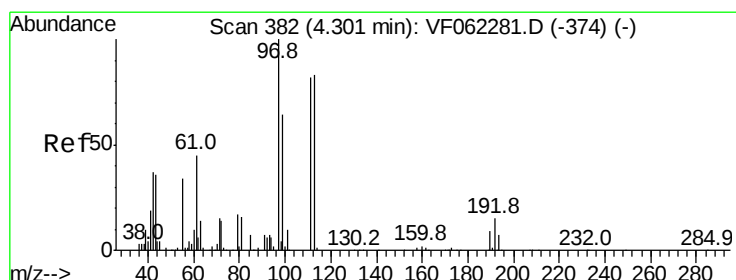
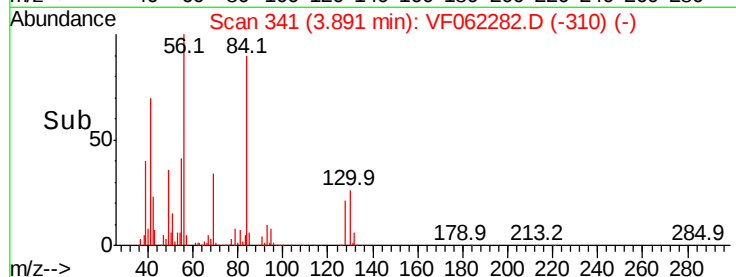
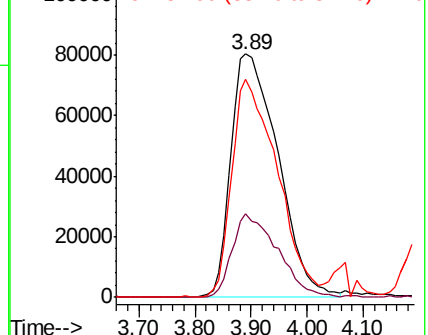
56 100

69 34.1 24.3 36.5

84 89.4 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 82.943 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

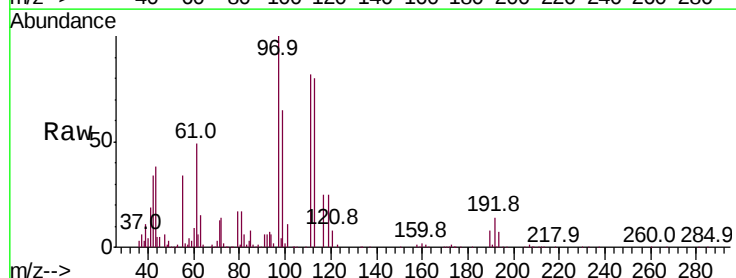
Tgt Ion: 97 Resp: 497357

Ion Ratio Lower Upper

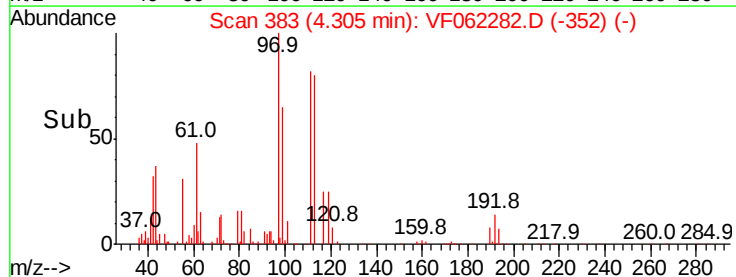
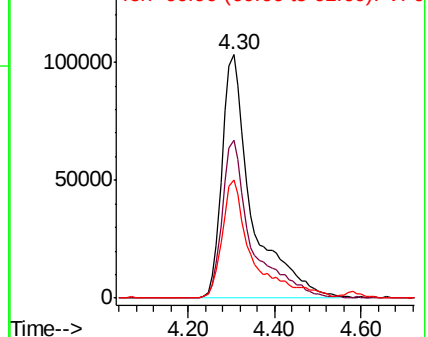
97 100

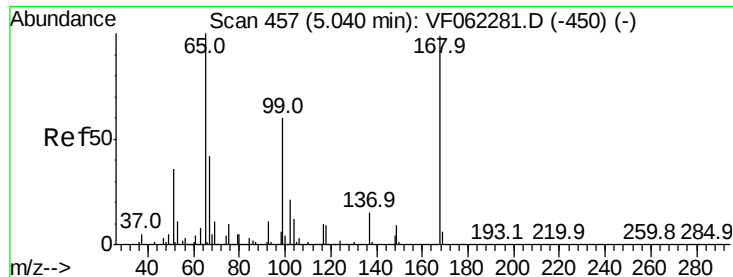
99 63.8 41.6 62.4#

61 48.9 31.6 47.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 75.725 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

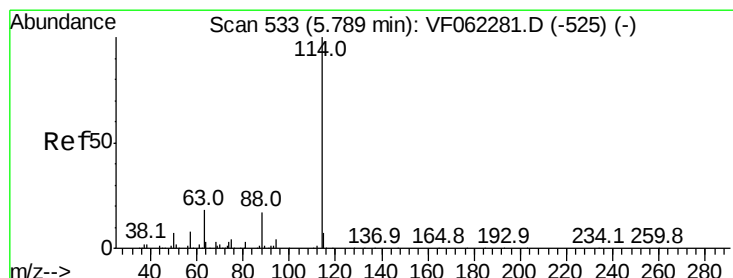
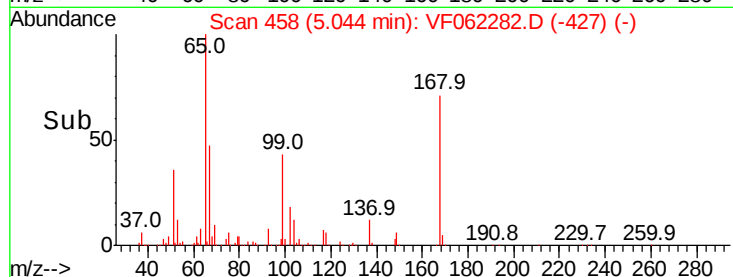
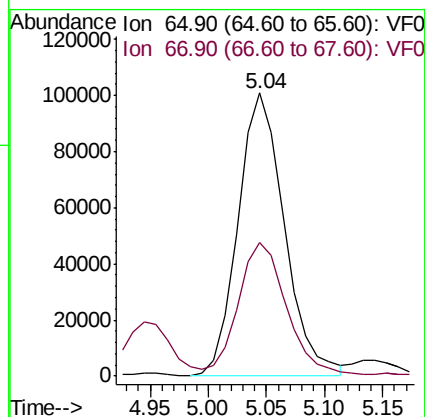
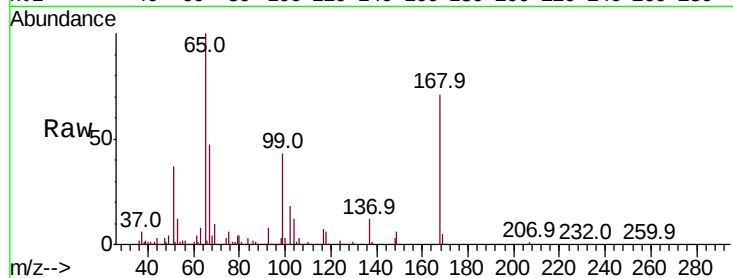
VSTDIC075

Tot Ion: 65 Resp: 279224

Ion Ratio Lower Upper

65 100

67 48.8 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

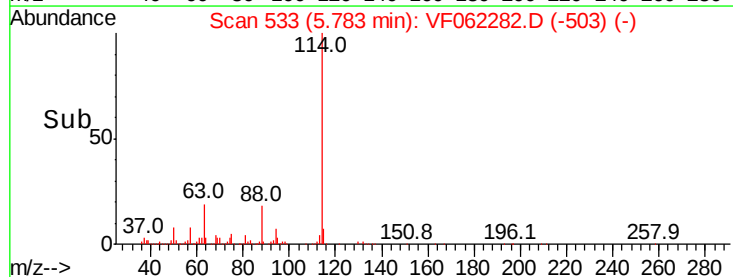
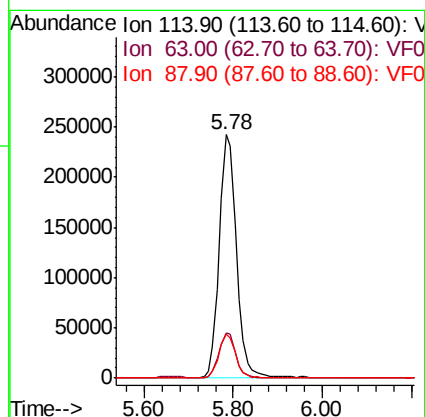
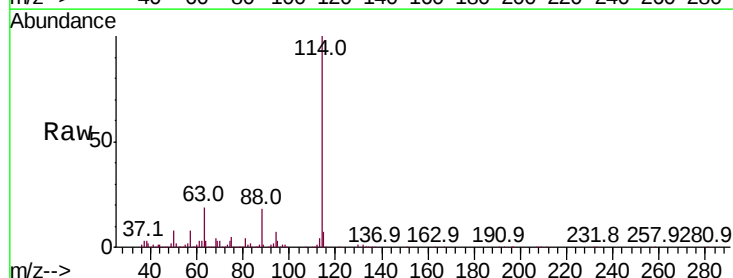
Tgt Ion: 114 Resp: 651386

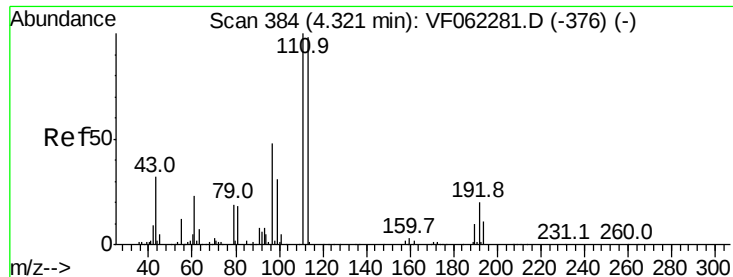
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

88 18.2 0.0 34.6





#35

Dibromofluoromethane

Concen: 70.571 ug/l

RT: 4.32 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

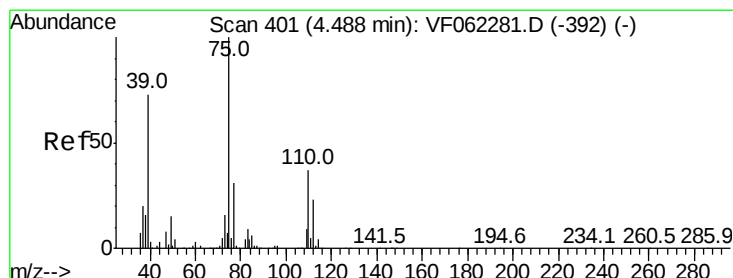
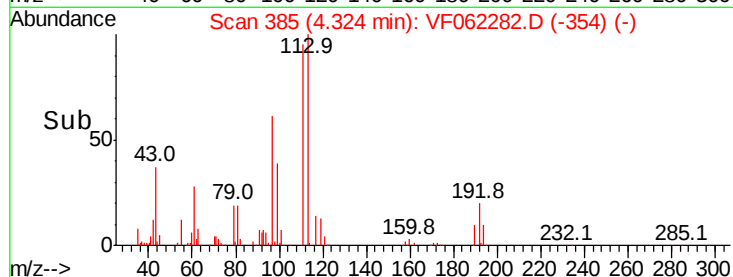
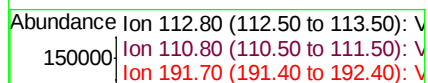
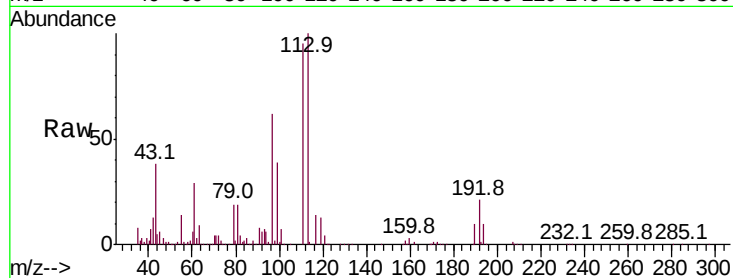
Tot Ion:113 Resp: 349853

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.2

192 20.6 17.0 25.4



#36

1,1-Dichloropropene

Concen: 70.562 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

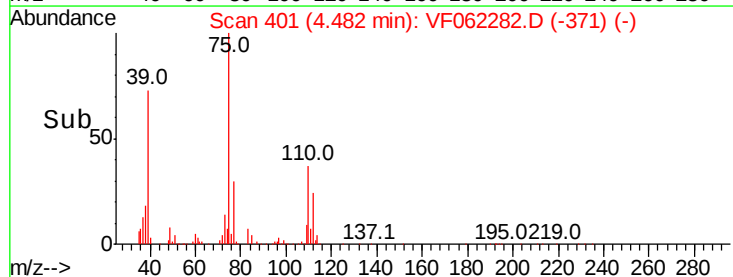
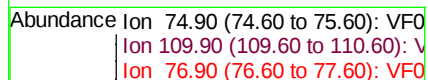
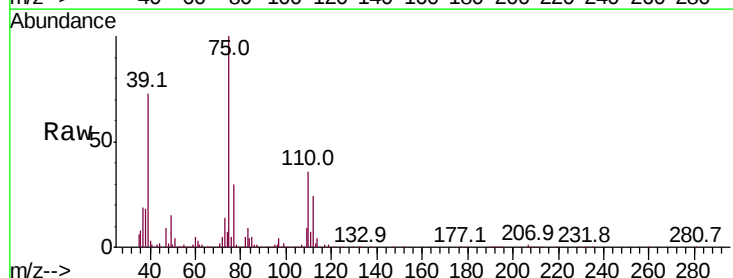
Tgt Ion: 75 Resp: 436546

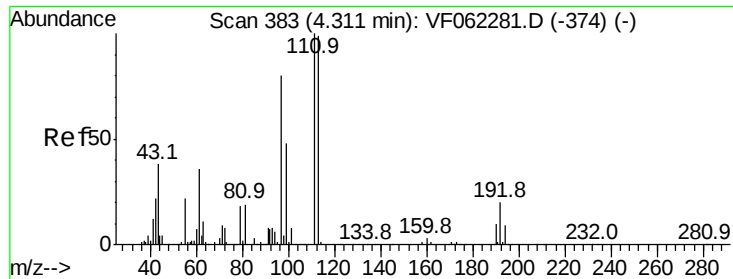
Ion Ratio Lower Upper

75 100

110 36.2 17.9 53.8

77 30.8 24.6 36.8





#37

Ethyl Acetate

Concen: 70.241 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

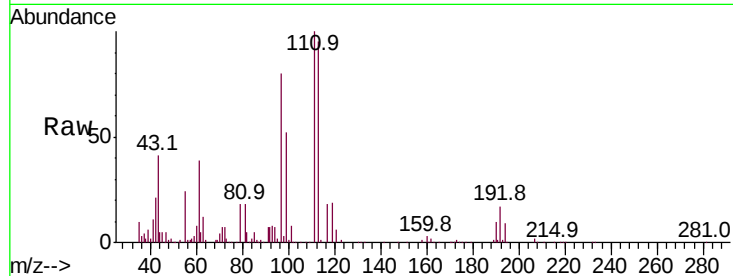
Tot Ion: 43 Resp: 178428

Ion Ratio Lower Upper

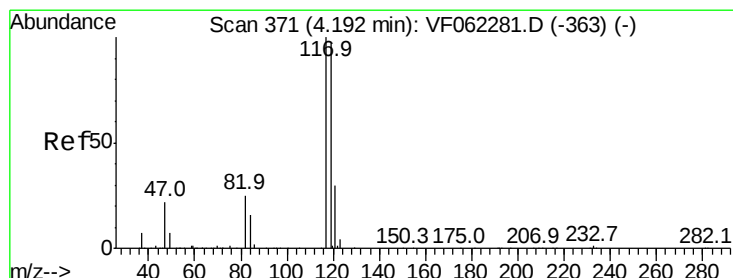
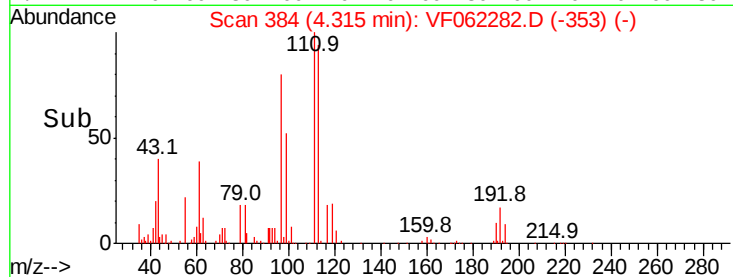
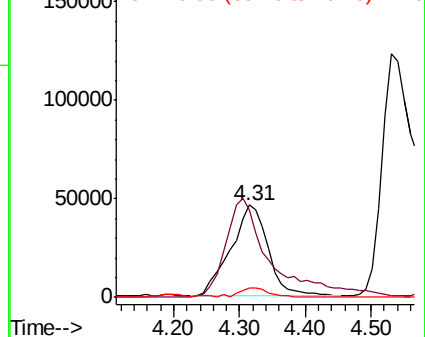
43 100

61 136.4 85.8 128.6#

70 9.0 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 97.293 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

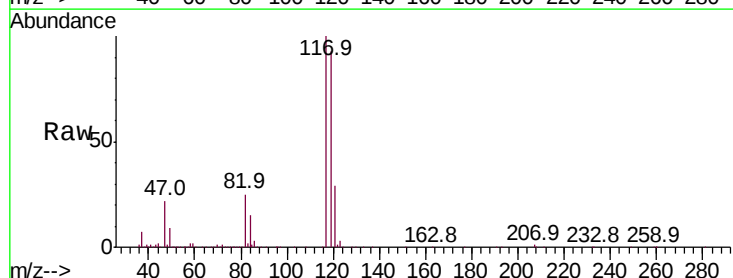
Tgt Ion: 117 Resp: 588144

Ion Ratio Lower Upper

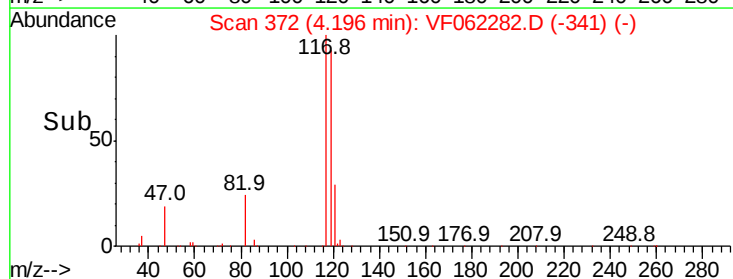
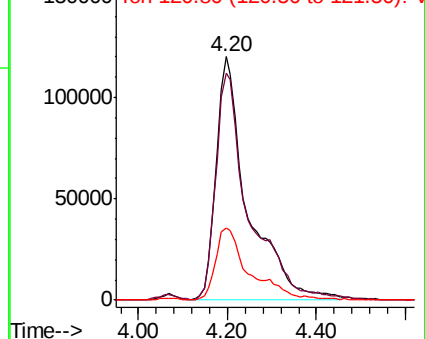
117 100

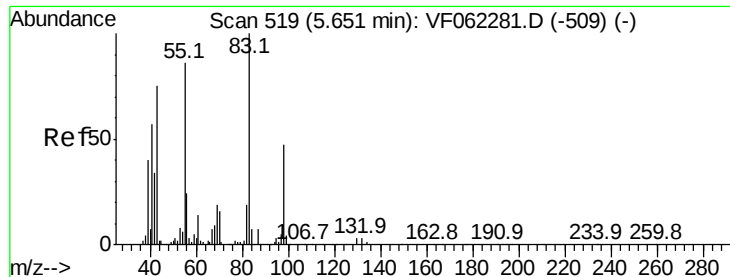
119 93.1 77.3 115.9

121 29.4 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

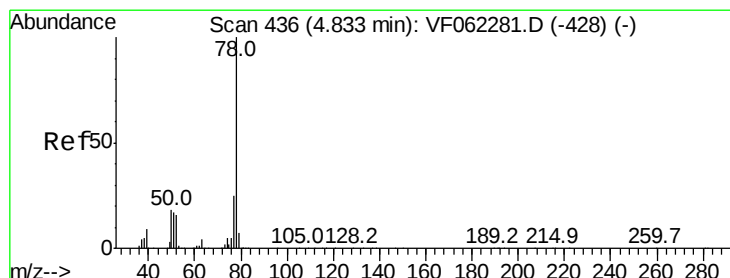
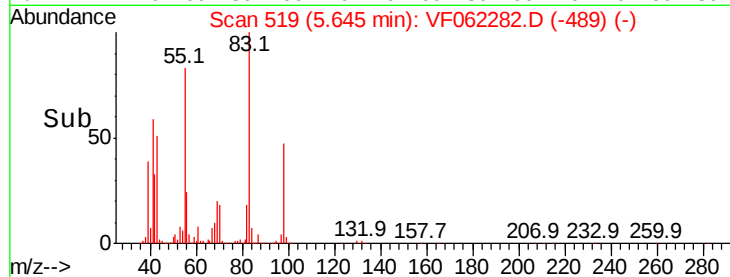
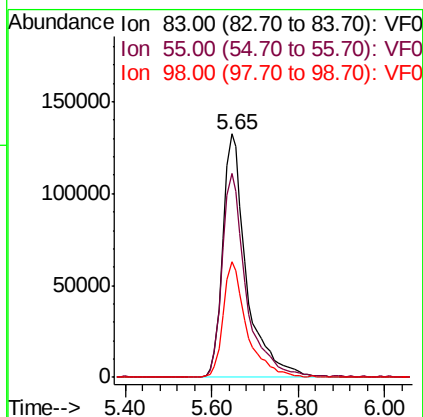
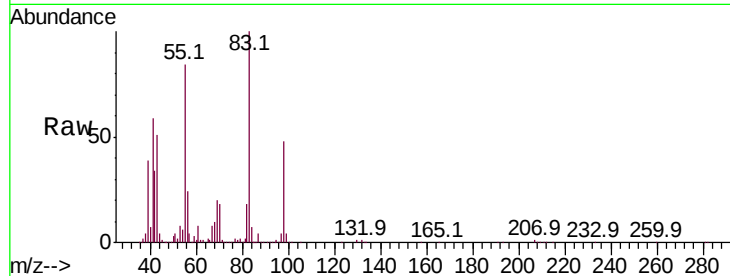




#39
Methvlcvclohexane
Concen: 69.602 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

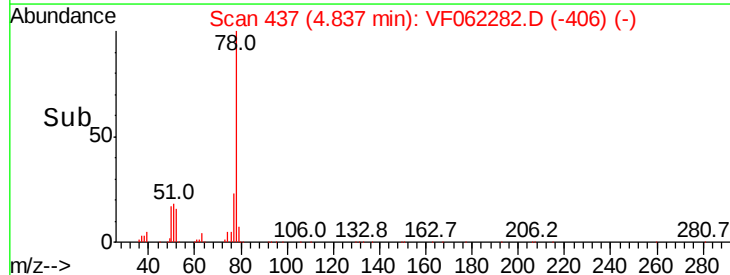
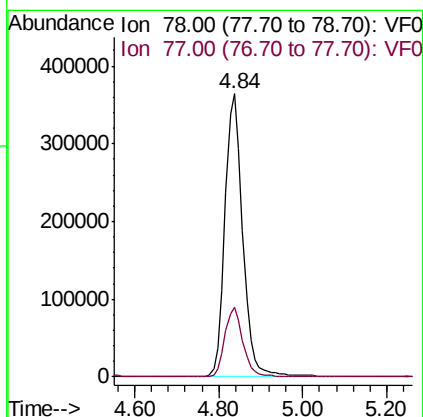
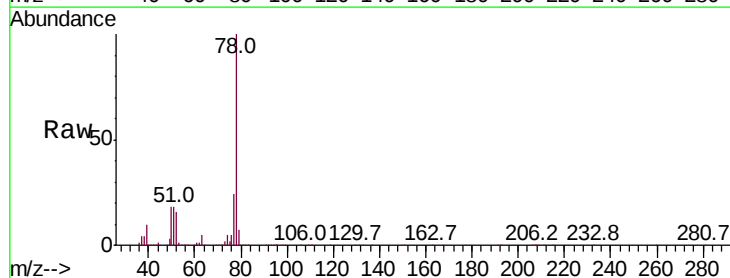
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

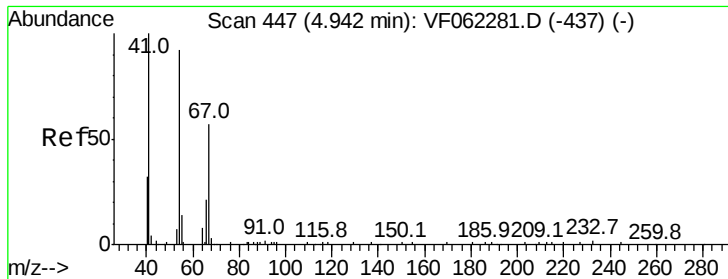
Tot Ion: 83 Resp: 507447
Ion Ratio Lower Upper
83 100
55 83.3 68.7 103.1
98 47.6 37.4 56.2



#40
Benzene
Concen: 72.239 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 78 Resp: 1077964
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5

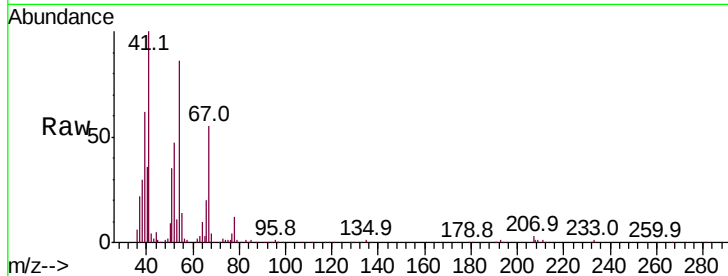




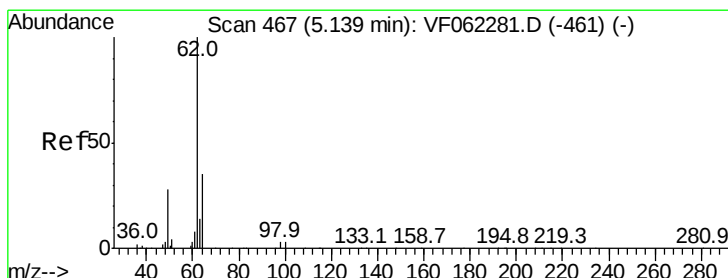
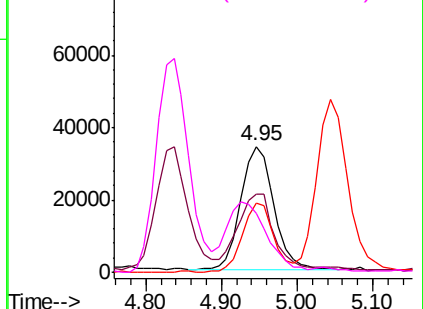
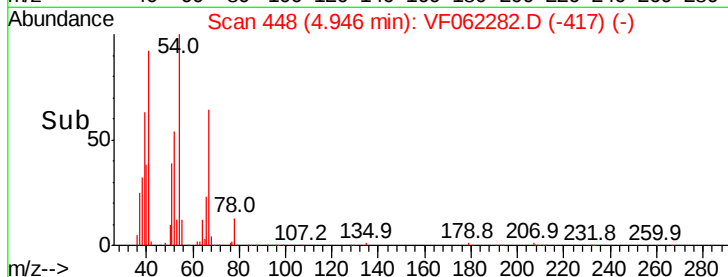
#41
Methacrylonitrile
Concen: 72.944 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:	41	Resp:	103498
Ion	Ratio	Lower	Upper
41	100		
39	63.5	47.3	70.9
67	52.9	41.3	61.9
52	65.8	49.4	74.2

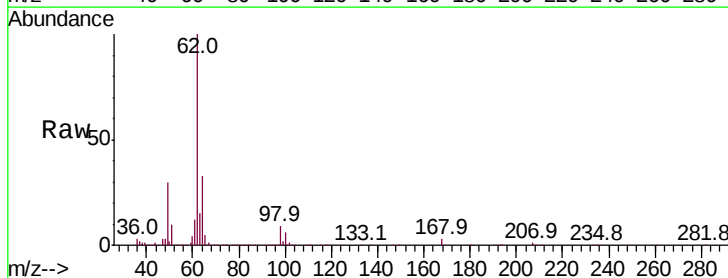


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

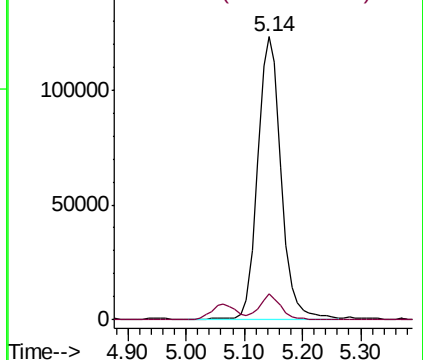
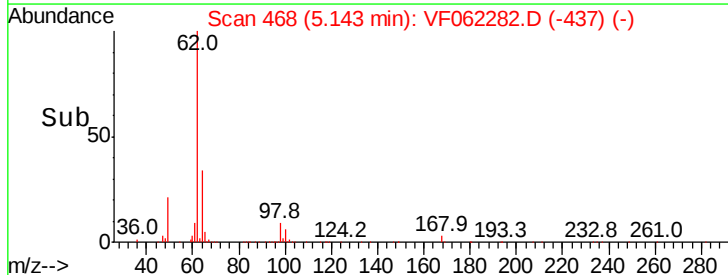


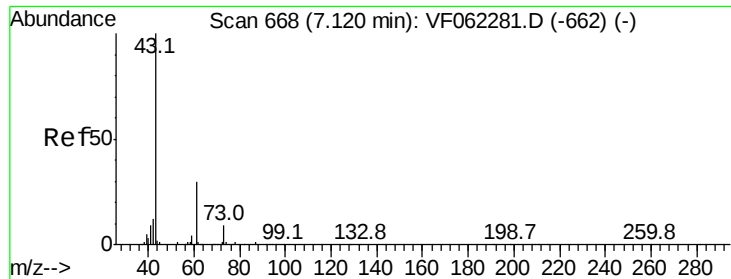
#42
1,2-Dichloroethane
Concen: 76.858 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion:	62	Resp:	352201
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 74.944 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

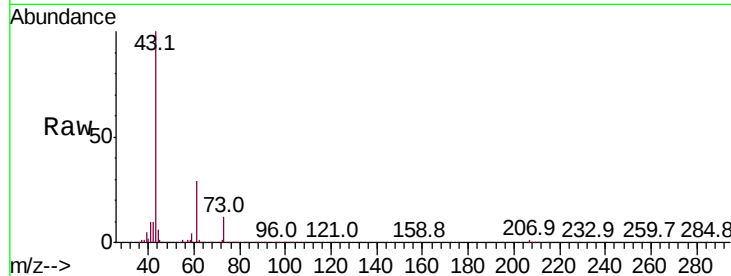
Tot Ion: 43 Resp: 200792

Ion Ratio Lower Upper

43 100

61 29.8 23.8 35.6

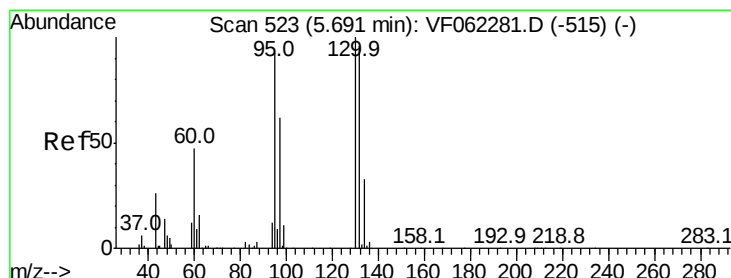
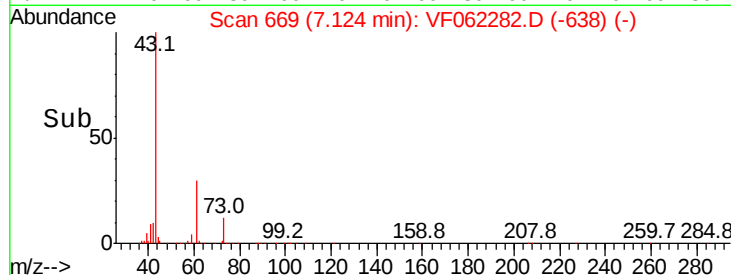
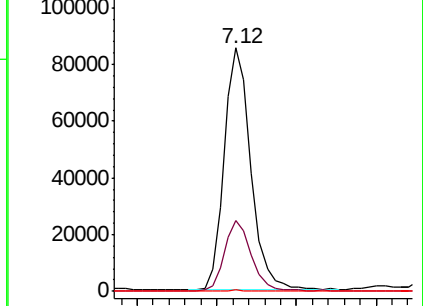
87 0.4 0.5 0.7#



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: 67.507 ug/l

RT: 5.69 min Scan# 524

Delta R.T. 0.00 min

Lab File: VF062282.D

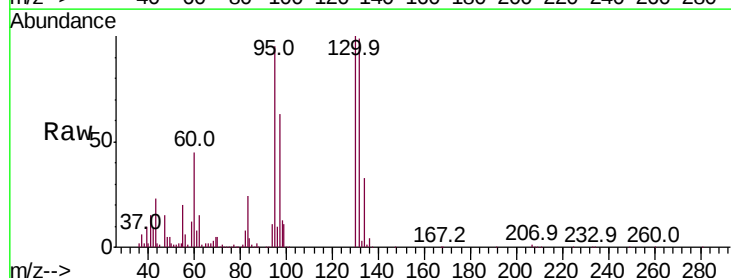
Acq: 24 Apr 2019 15:40

Tgt Ion:130 Resp: 340704

Ion Ratio Lower Upper

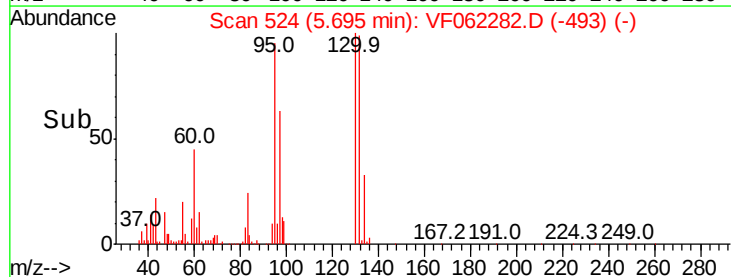
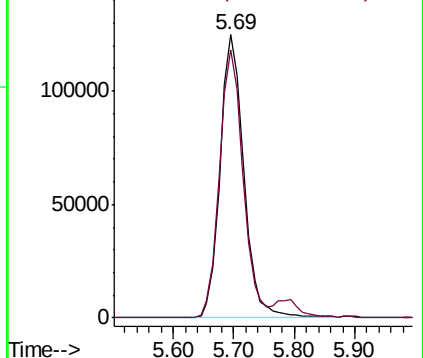
130 100

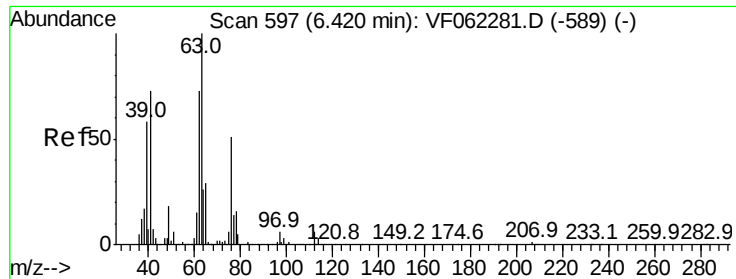
95 94.8 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 72.688 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

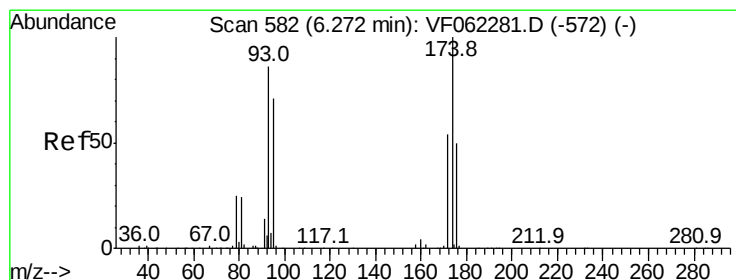
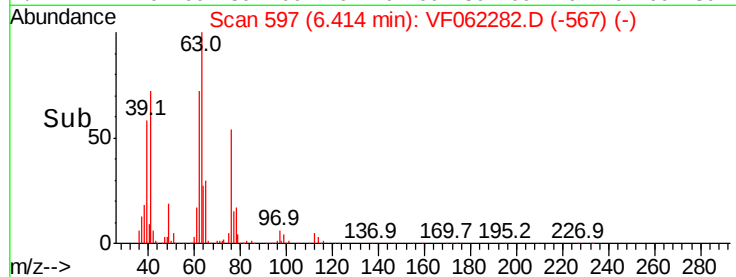
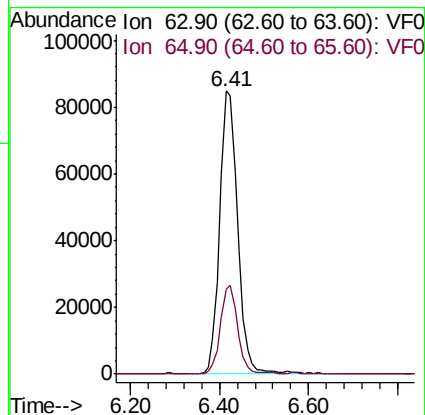
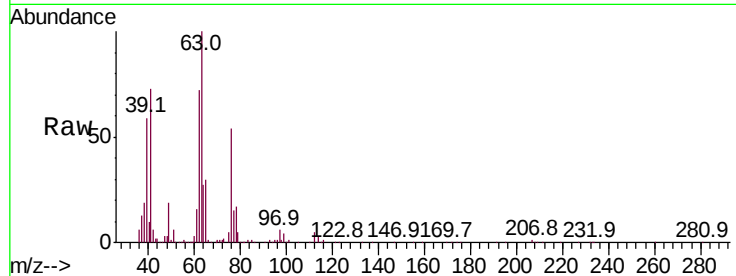
VSTDIC075

Tot Ion: 63 Resp: 238929

Ion Ratio Lower Upper

63 100

65 29.7 23.5 35.3



#46

Dibromomethane

Concen: 76.024 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

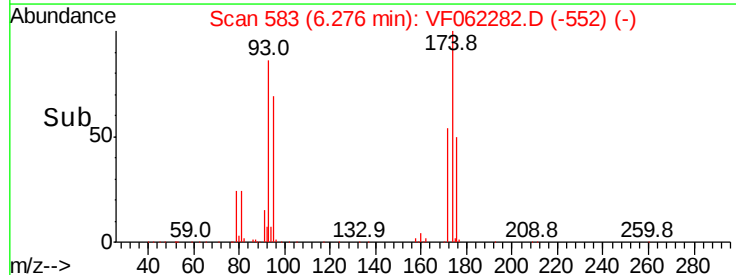
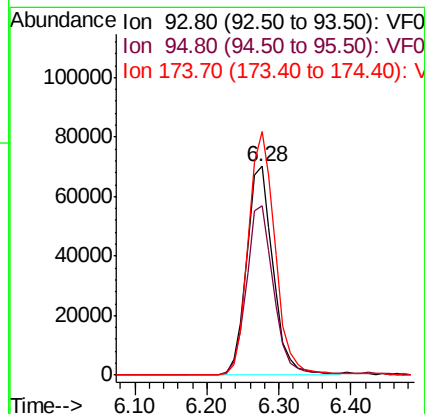
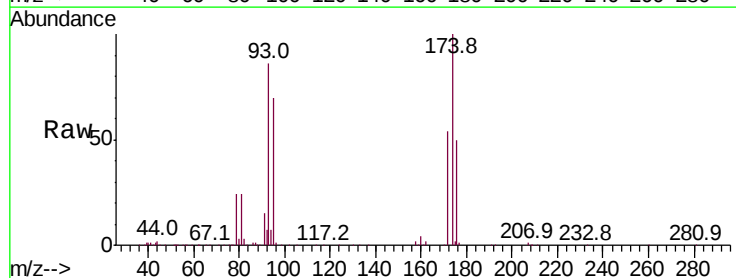
Tgt Ion: 93 Resp: 181021

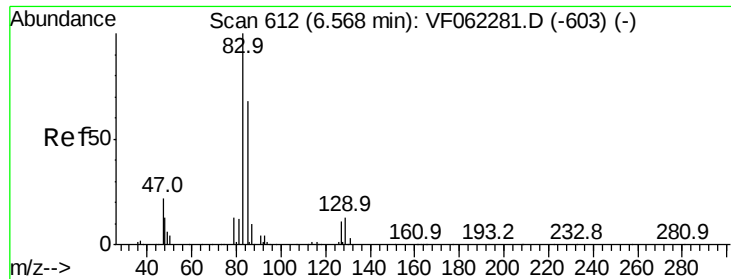
Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 117.0 94.9 142.3





#47

Bromodichloromethane

Concen: 75.454 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

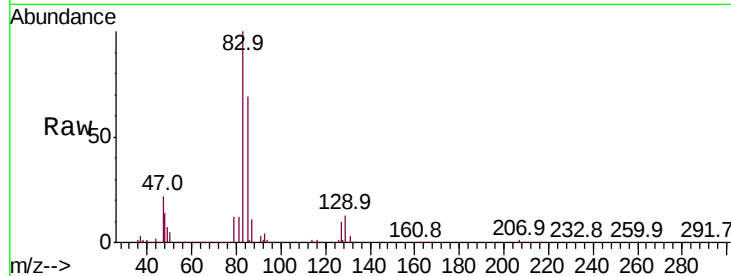
Tot Ion: 83 Resp: 422963

Ion Ratio Lower Upper

83 100

85 68.9 54.6 81.8

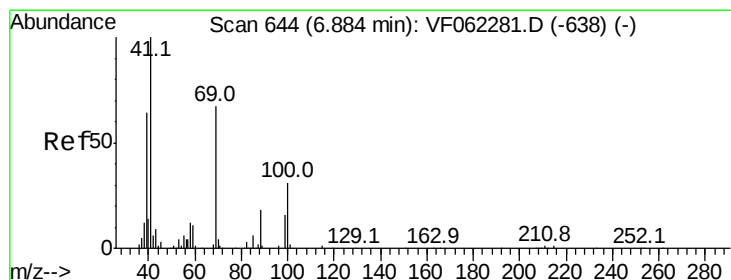
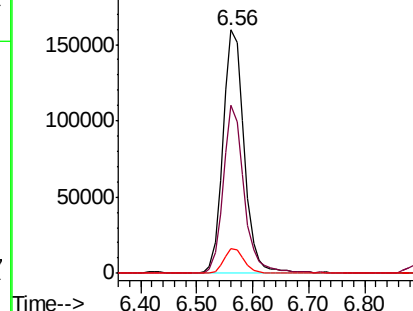
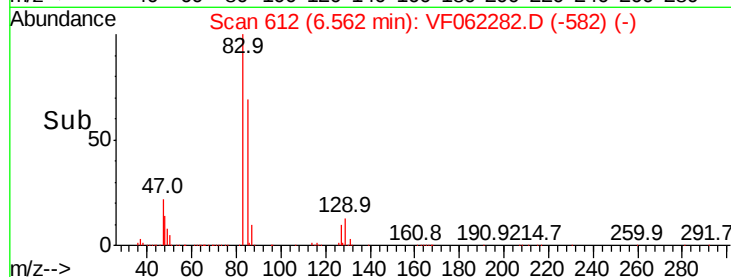
127 10.4 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 76.584 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

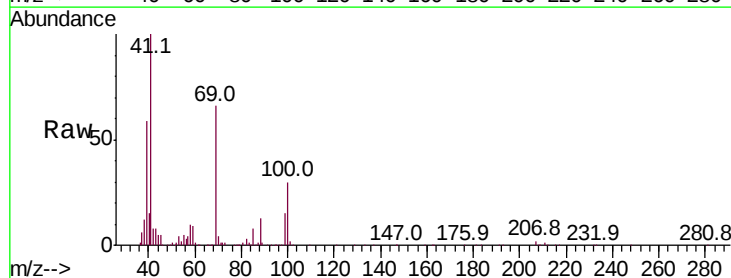
Tgt Ion: 41 Resp: 140793

Ion Ratio Lower Upper

41 100

69 65.9 53.4 80.2

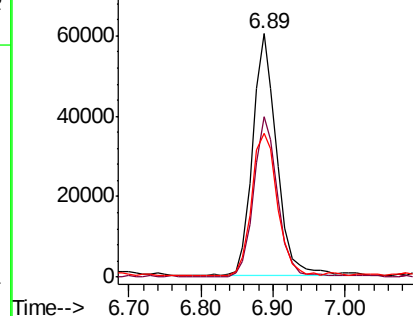
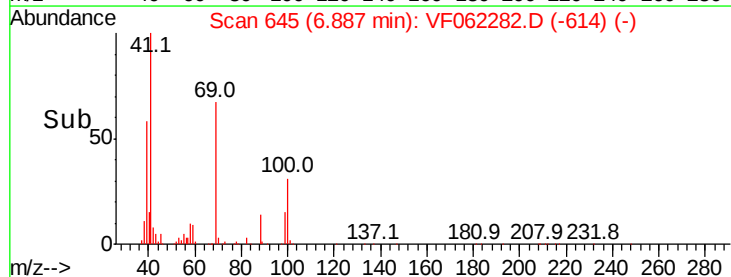
39 62.6 50.9 76.3

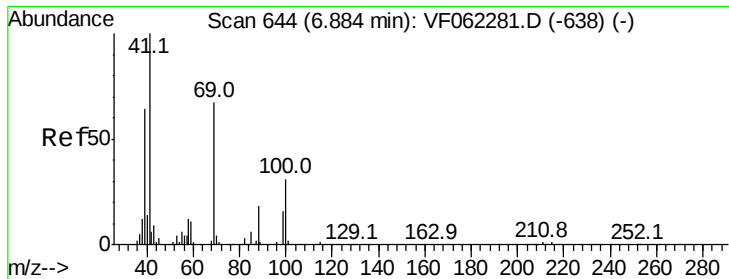


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1404.481 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

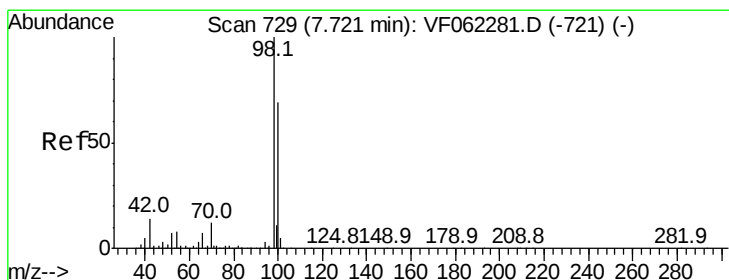
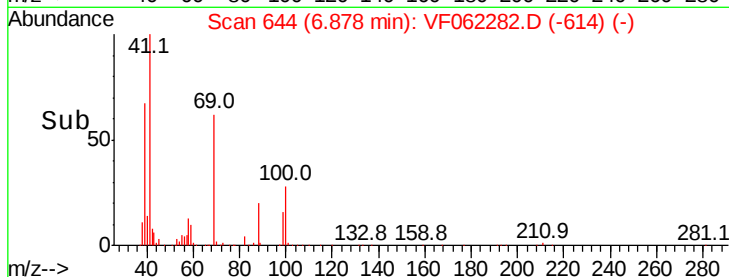
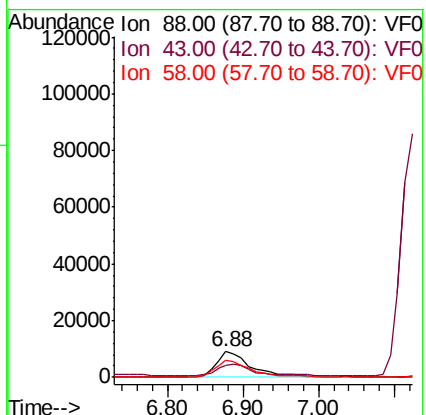
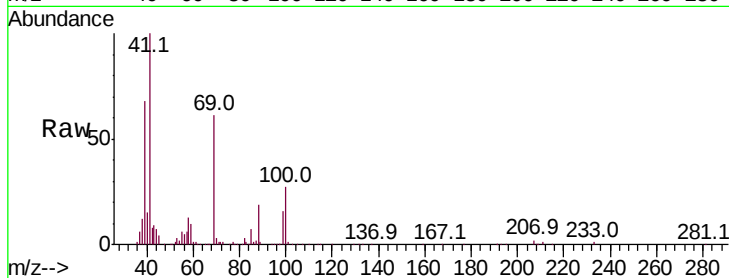
Tot Ion: 88 Resp: 29551

Ion Ratio Lower Upper

88 100

43 42.4 34.2 51.4

58 68.5 50.7 76.1



#50

Toluene-d8

Concen: 74.665 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF062282.D

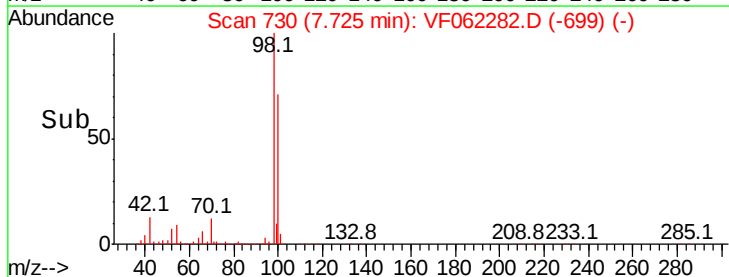
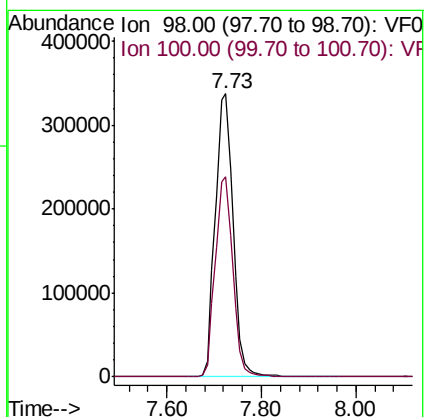
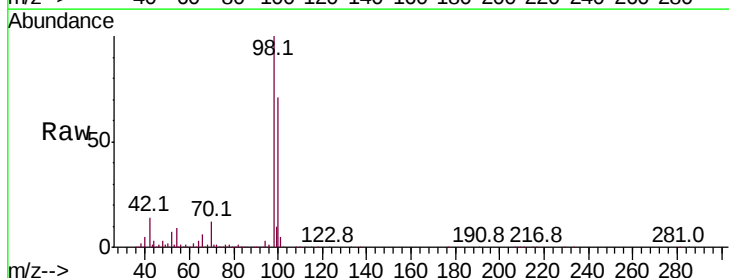
Acq: 24 Apr 2019 15:40

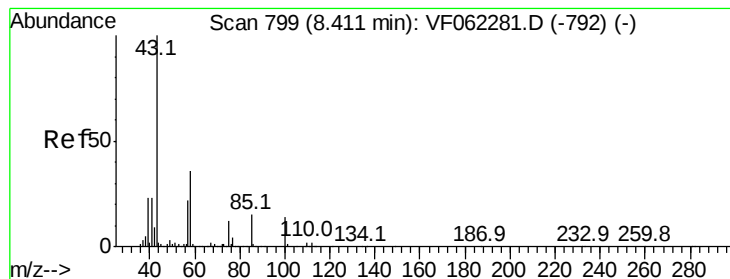
Tgt Ion: 98 Resp: 883865

Ion Ratio Lower Upper

98 100

100 69.7 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 341.956 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

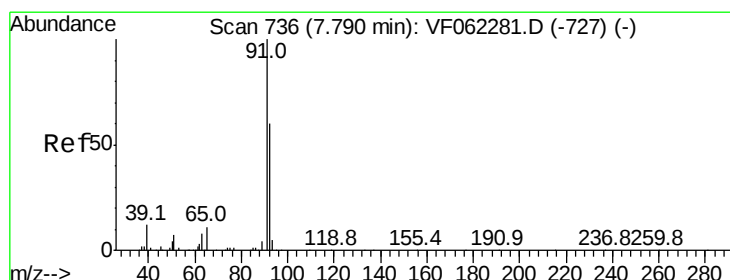
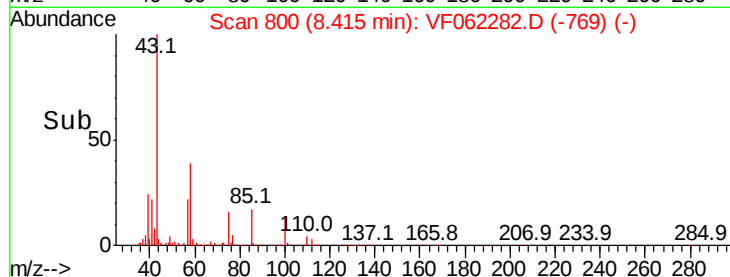
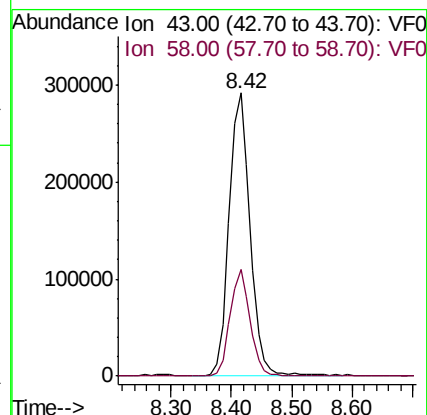
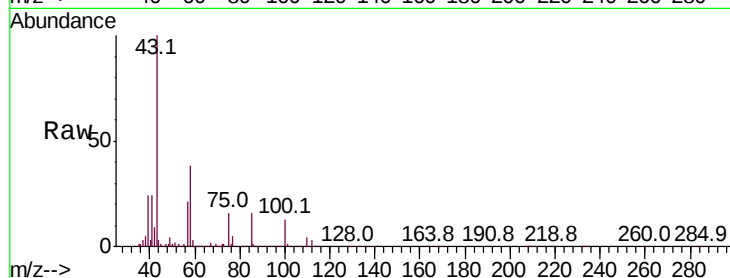
VSTDIC075

Tot Ion: 43 Resp: 701007

Ion Ratio Lower Upper

43 100

58 35.9 29.1 43.7



#52

Toluene

Concen: 73.193 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF062282.D

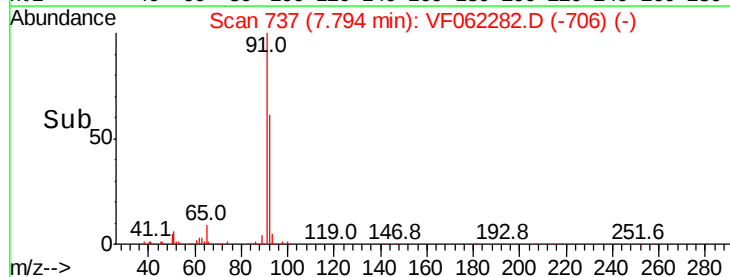
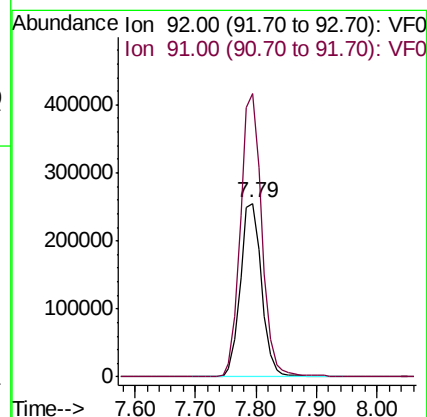
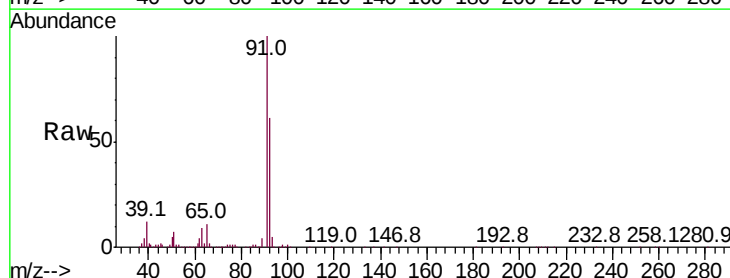
Acq: 24 Apr 2019 15:40

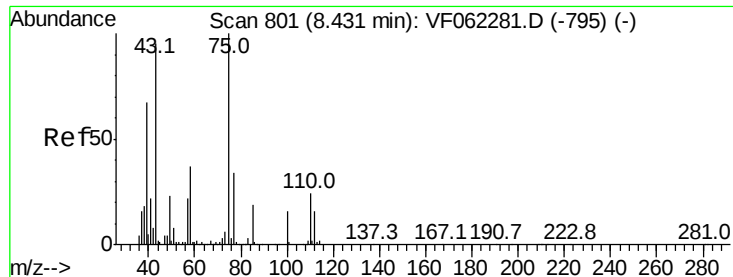
Tgt Ion: 92 Resp: 626427

Ion Ratio Lower Upper

92 100

91 163.5 132.5 198.7

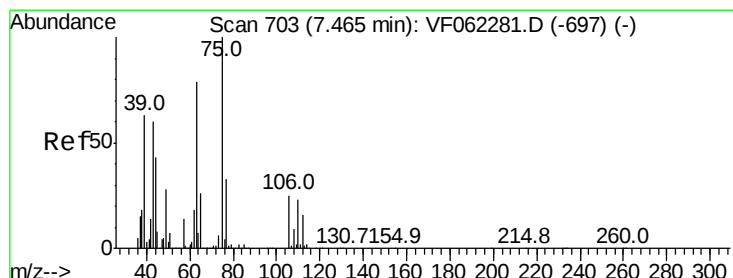
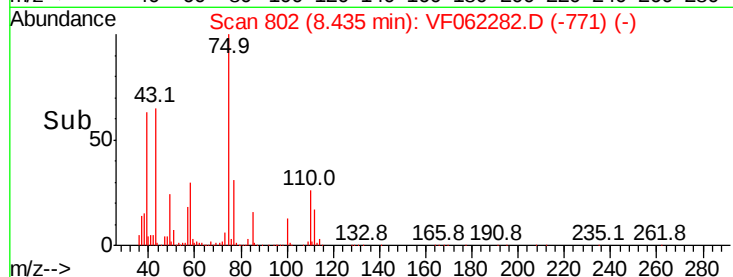
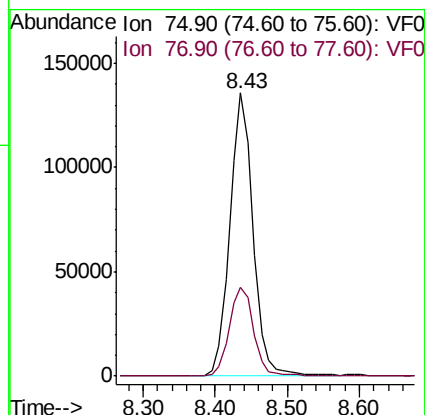
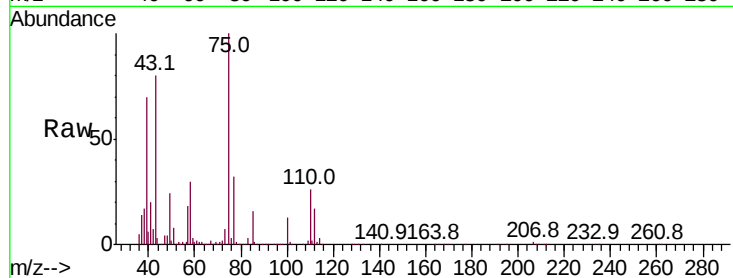




#53
t-1,3-Dichloropropene
Concen: 74.244 ug/l
RT: 8.43 min Scan# 802
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

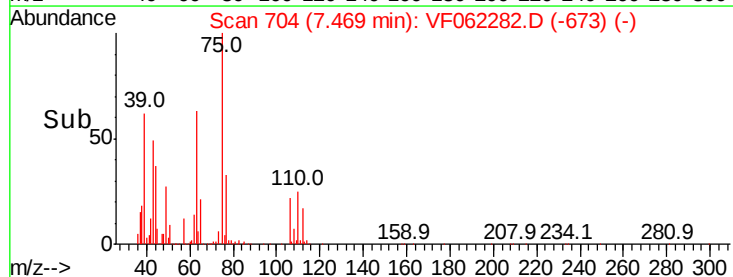
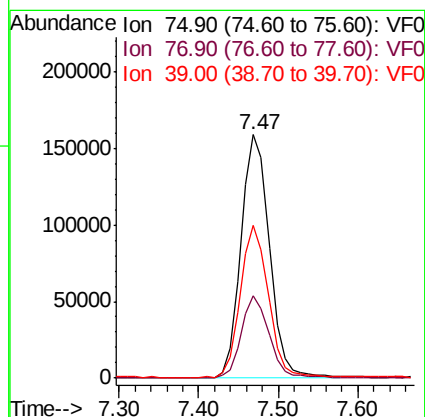
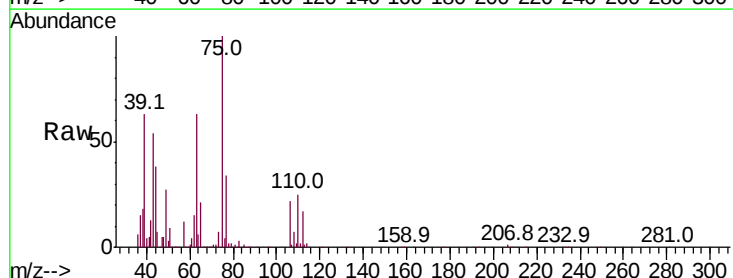
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

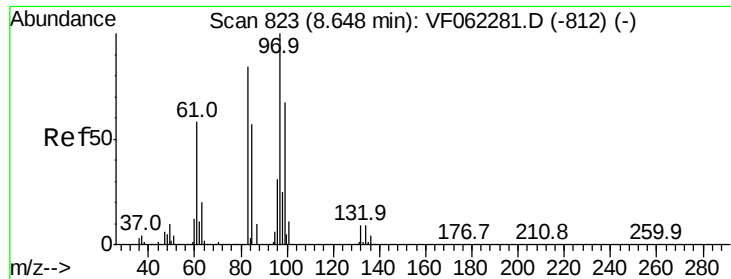
Tot Ion: 75 Resp: 303093
Ion Ratio Lower Upper
75 100
77 31.3 26.9 40.3



#54
cis-1,3-Dichloropropene
Concen: 74.249 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 75 Resp: 393594
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7
39 62.6 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 78.220 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 182976

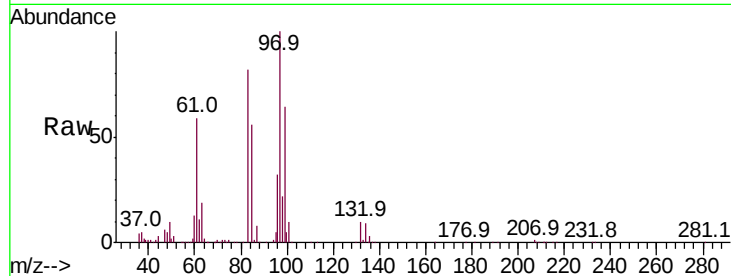
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.5	101.3
85	55.2	45.3	67.9
99	63.8	53.4	80.0

97 100

83 81.8 67.5 101.3

85 55.2 45.3 67.9

99 63.8 53.4 80.0



Abundance

Ion 96.90 (96.60 to 97.60): VF0

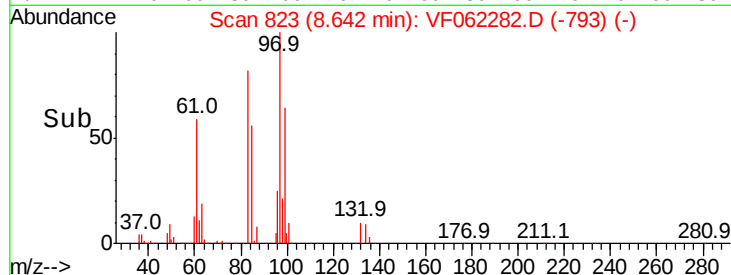
Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

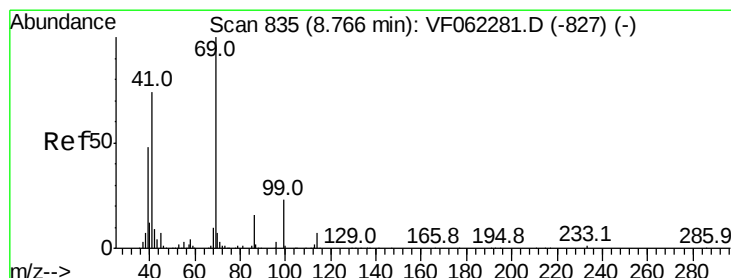
Ion 98.90 (98.60 to 99.60): VF0

8.64

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 74.692 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

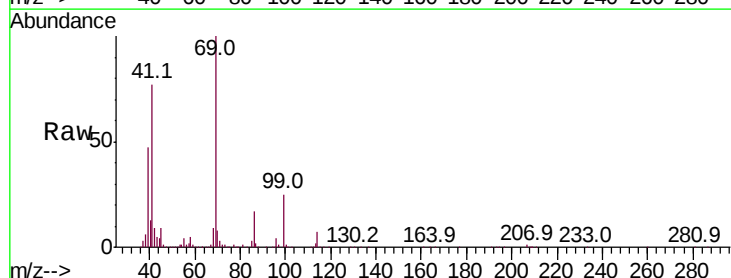
Tgt Ion: 69 Resp: 195323

Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.5	92.3
39	46.2	37.9	56.9

69 100

41 76.7 61.5 92.3

39 46.2 37.9 56.9



Abundance

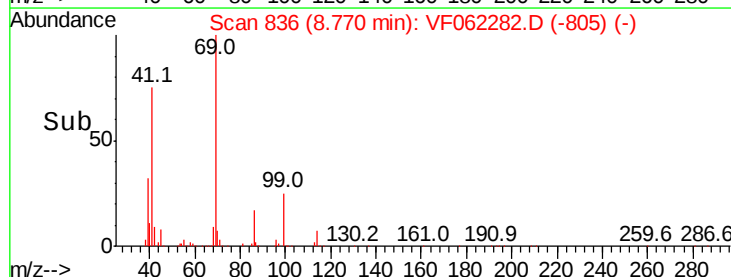
Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

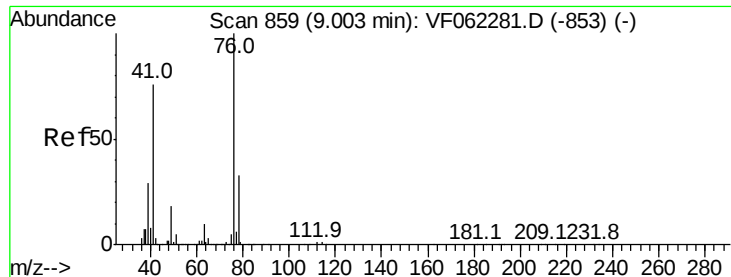
Ion 39.00 (38.70 to 39.70): VF0

8.77

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 76.688 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

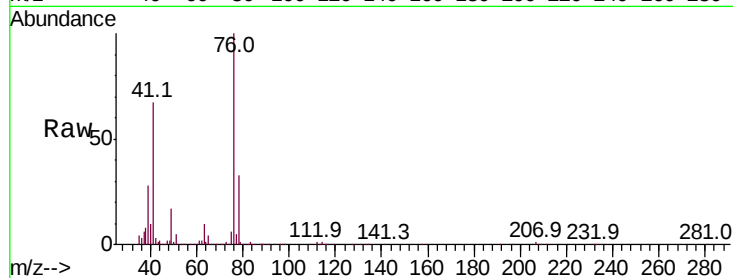
VSTDIC075

Tot Ion: 76 Resp: 282120

Ion Ratio Lower Upper

76 100

78 33.6 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

150000

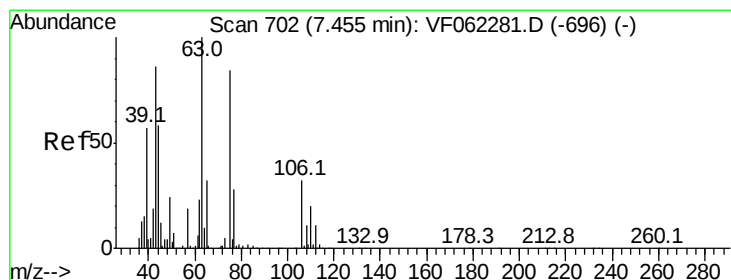
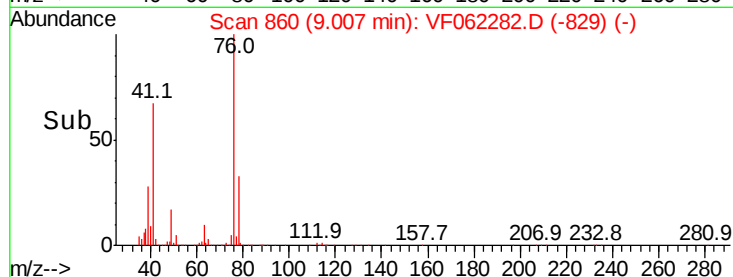
100000

50000

0

8.90 9.01 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 347.118 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062282.D

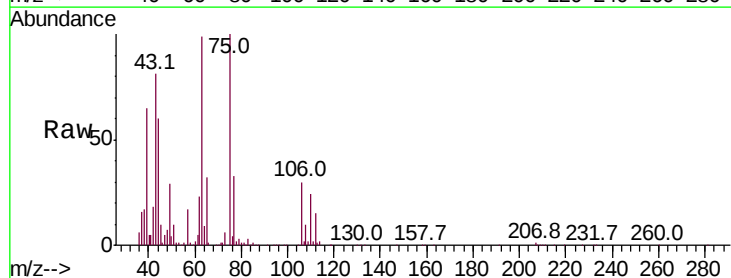
Acq: 24 Apr 2019 15:40

Tgt Ion: 63 Resp: 280420

Ion Ratio Lower Upper

63 100

106 31.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

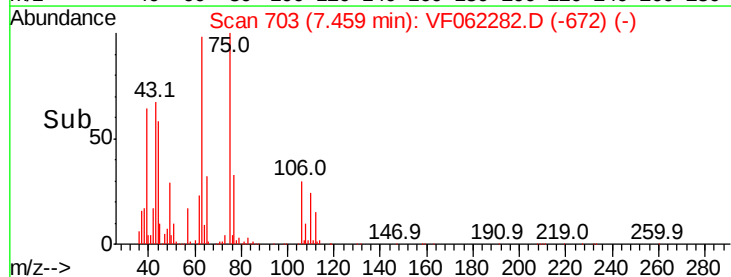
100000

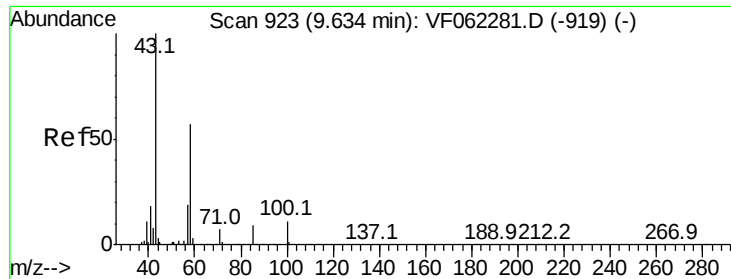
50000

0

7.40 7.46 7.60

Time-->

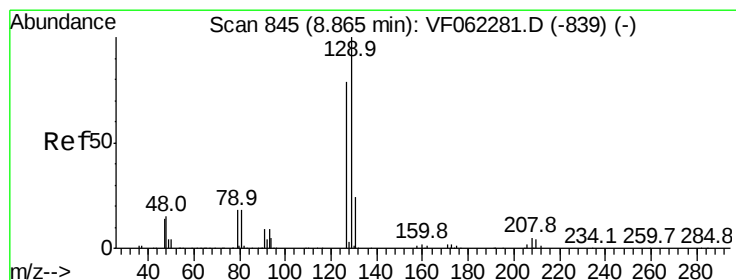
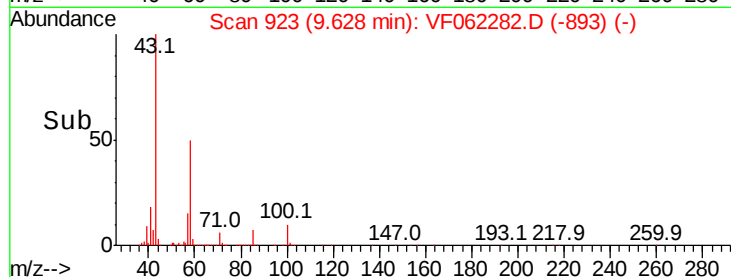
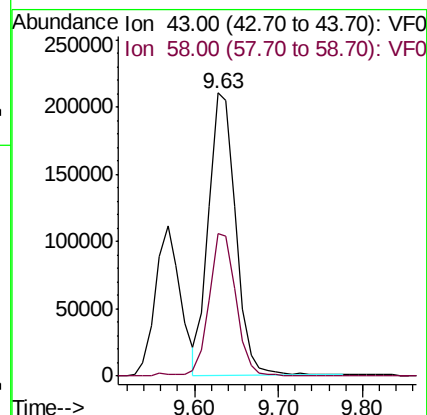
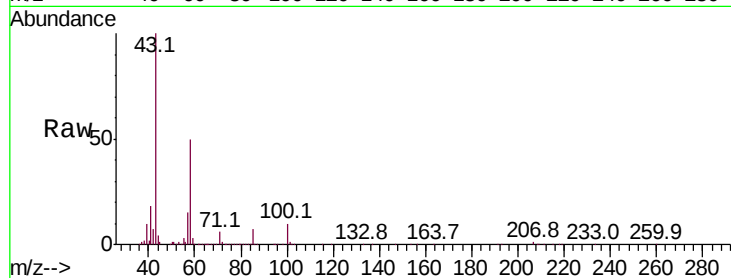




#59
2-Hexanone
Concen: 235.095 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

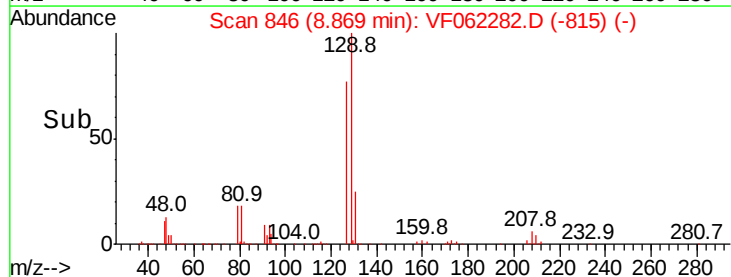
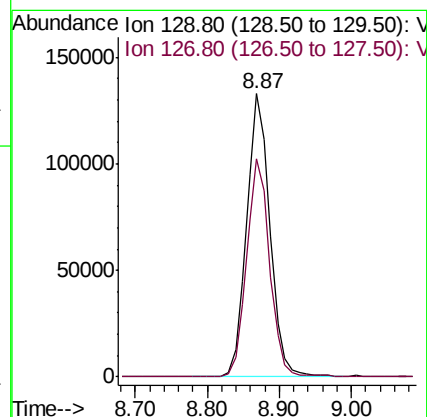
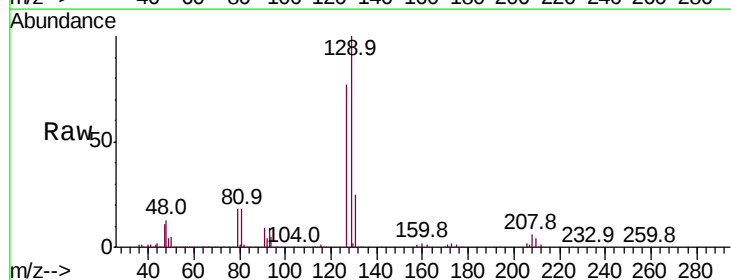
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

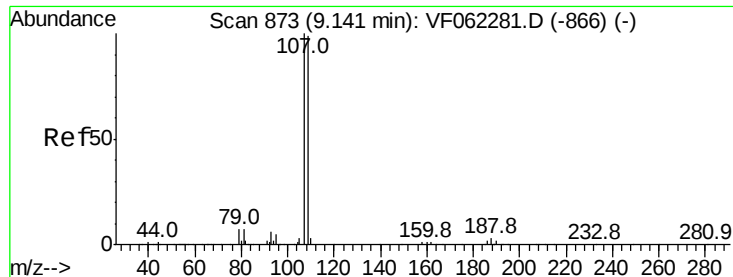
Tot Ion: 43 Resp: 469986
Ion Ratio Lower Upper
43 100
58 50.9 24.9 74.7



#60
Dibromochloromethane
Concen: 79.741 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 129 Resp: 300572
Ion Ratio Lower Upper
129 100
127 76.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 76.336 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

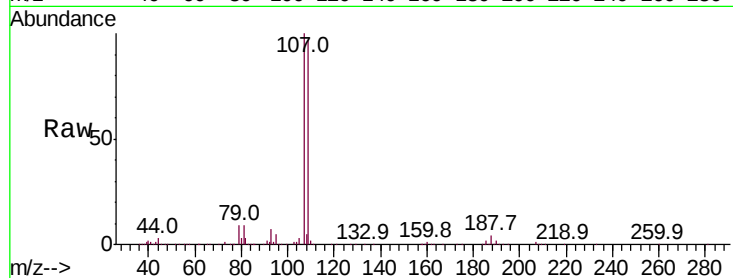
VSTDIC075

Tot Ion:107 Resp: 208087

Ion Ratio Lower Upper

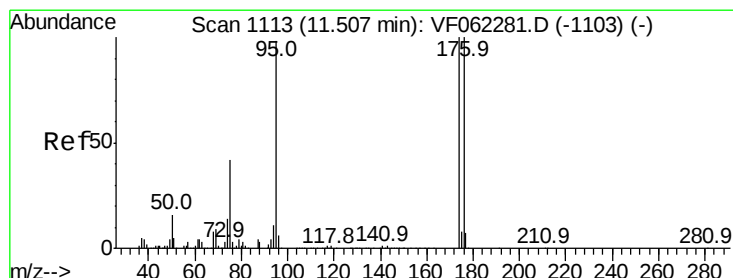
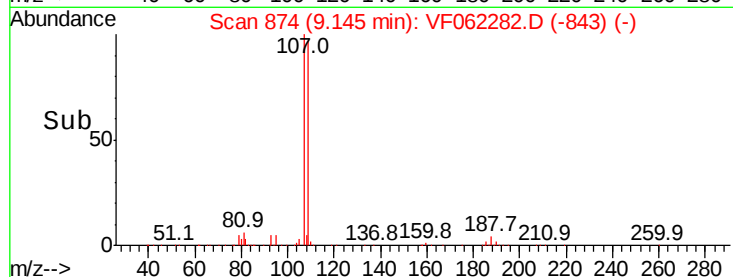
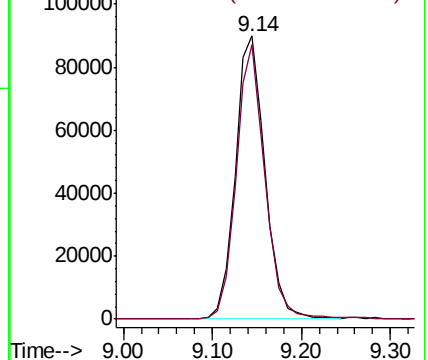
107 100

109 93.3 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 68.833 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

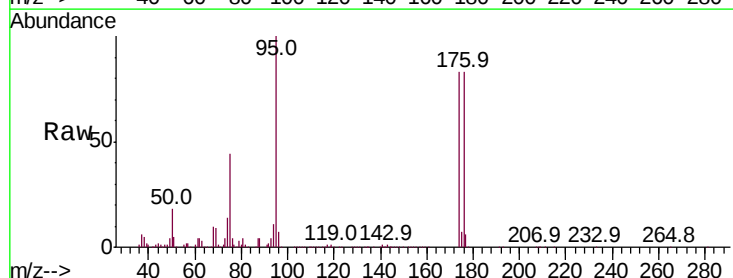
Tgt Ion: 95 Resp: 343421

Ion Ratio Lower Upper

95 100

174 92.5 0.0 185.2

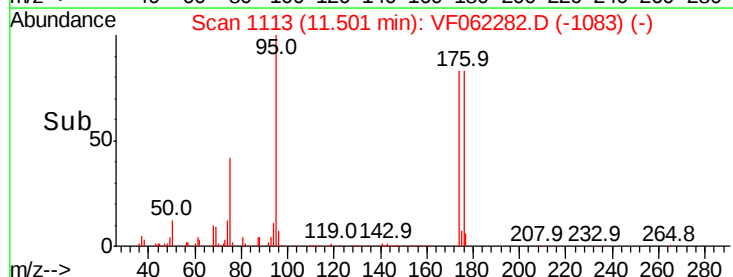
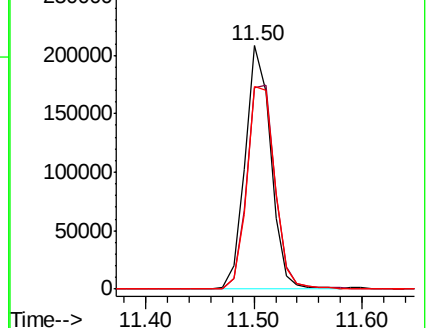
176 90.9 0.0 184.8

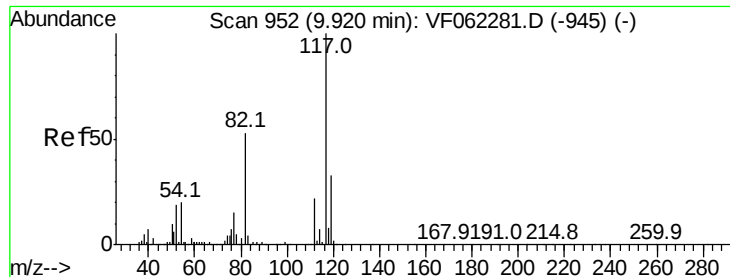


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

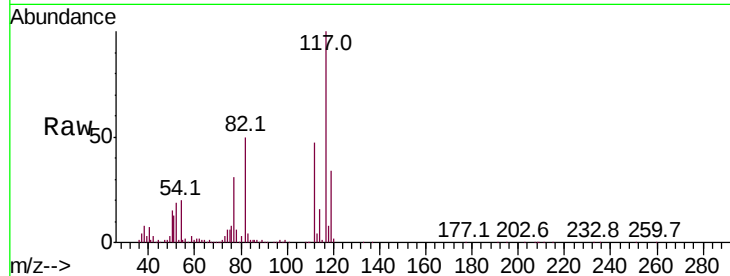




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	42.6	64.0
119	34.2	26.1	39.1

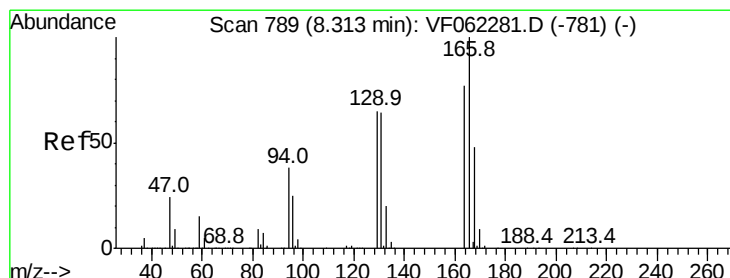
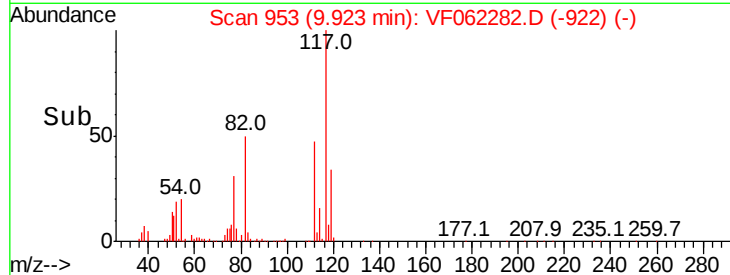
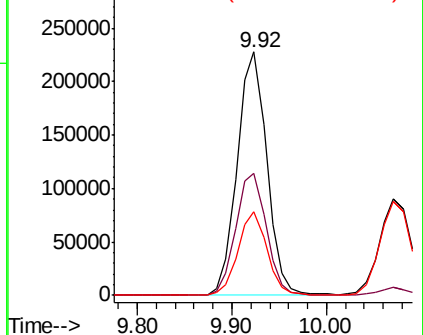


Abundance

Ion 116.90 (116.60 to 117.60): V

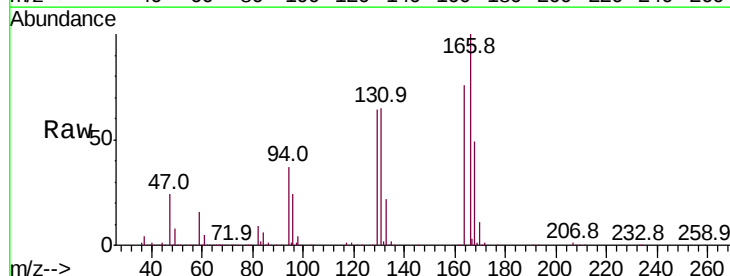
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 72.048 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	103.5	155.3
129	84.3	67.6	101.4
131	85.2	66.1	99.1



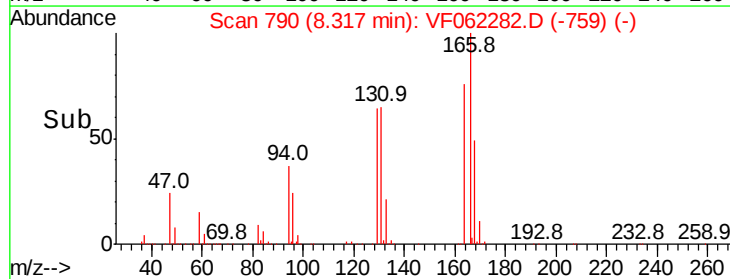
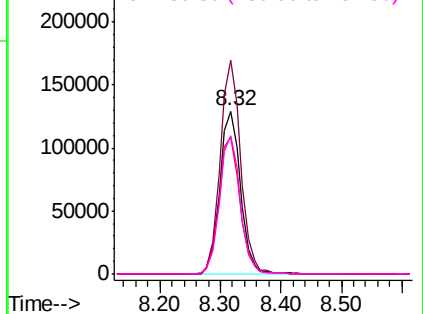
Abundance

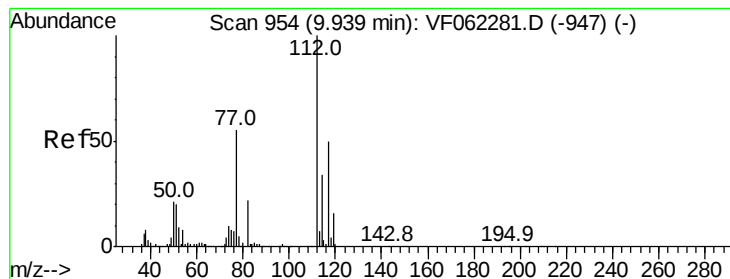
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 75.026 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

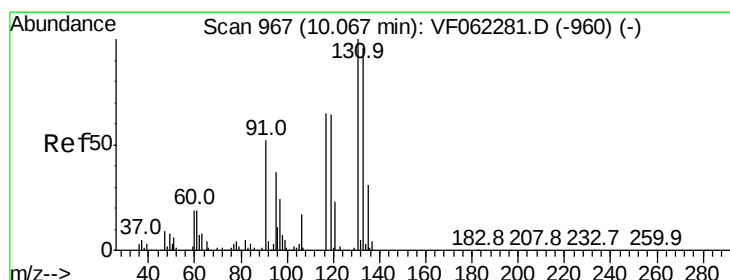
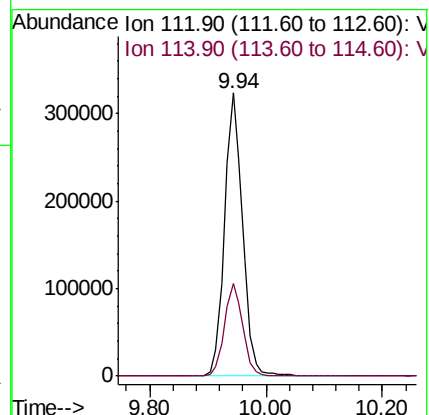
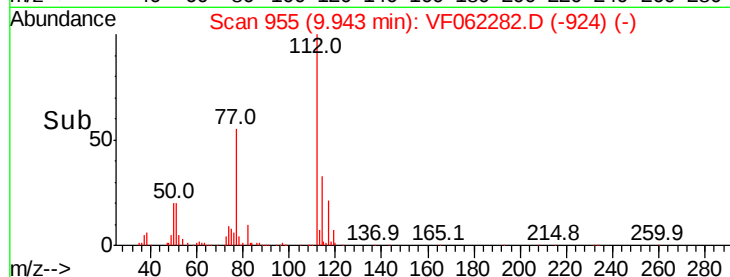
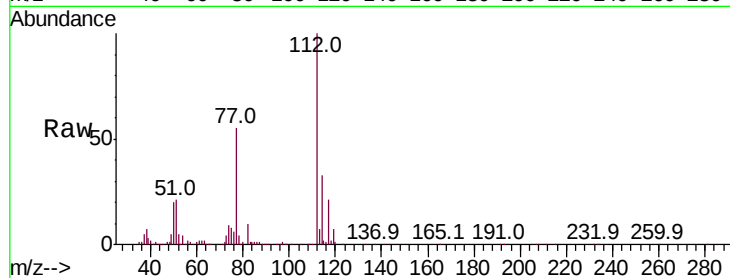
VSTDIC075

Tot Ion:112 Resp: 692492

Ion Ratio Lower Upper

112 100

114 32.6 27.0 40.6



#66

1,1,1,2-Tetrachloroethane

Concen: 70.120 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

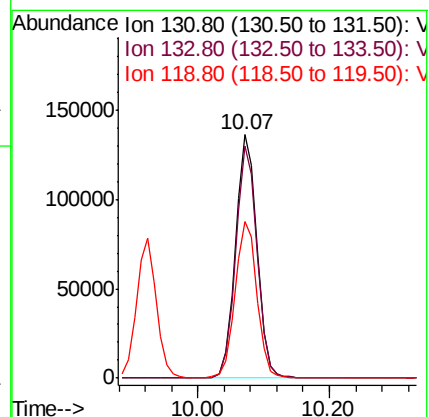
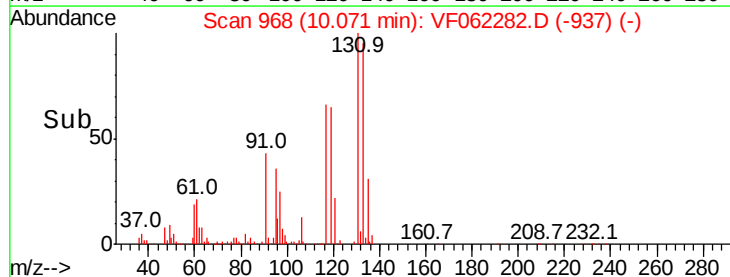
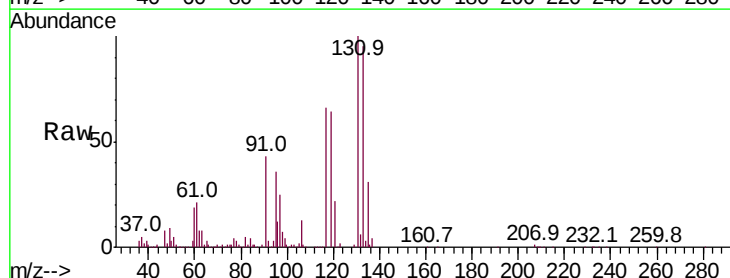
Tgt Ion:131 Resp: 311963

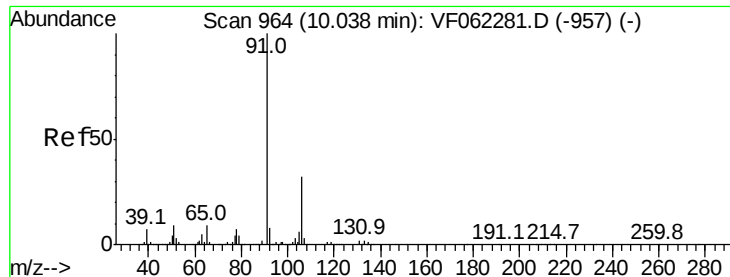
Ion Ratio Lower Upper

131 100

133 94.9 48.5 145.5

119 64.7 32.9 98.7





#67

Ethyl Benzene

Concen: 68.612 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

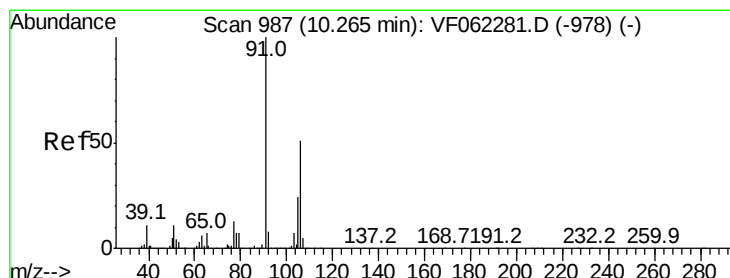
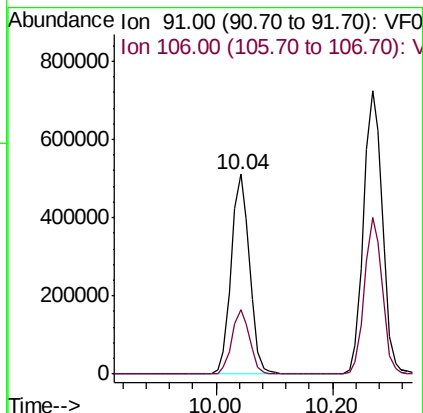
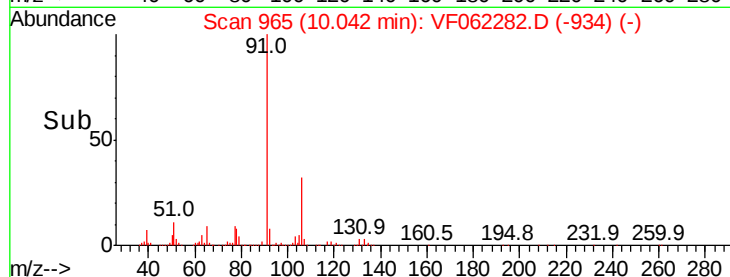
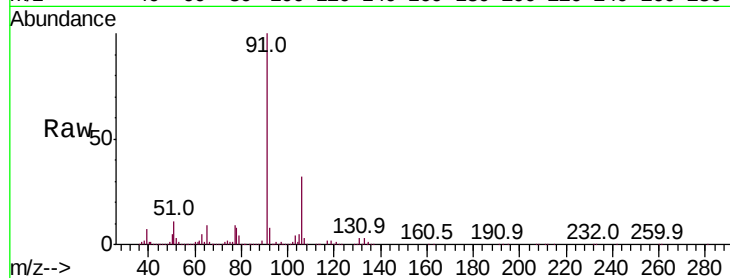
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1123374

Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 141.078 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062282.D

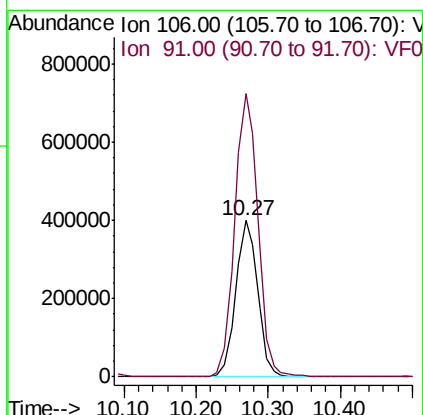
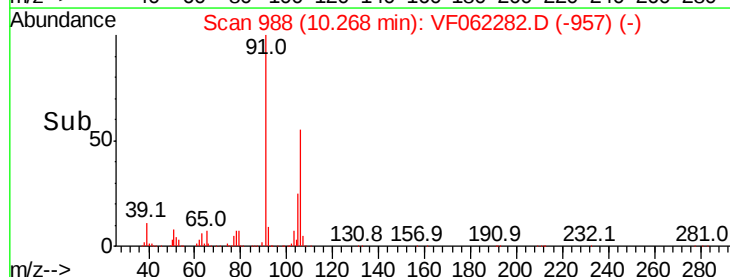
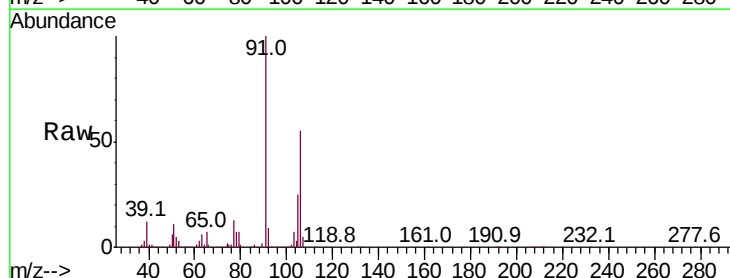
Acq: 24 Apr 2019 15:40

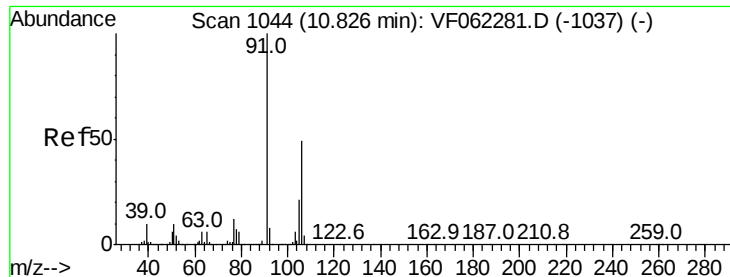
Tgt Ion:106 Resp: 852871

Ion Ratio Lower Upper

106 100

91 190.5 158.3 237.5

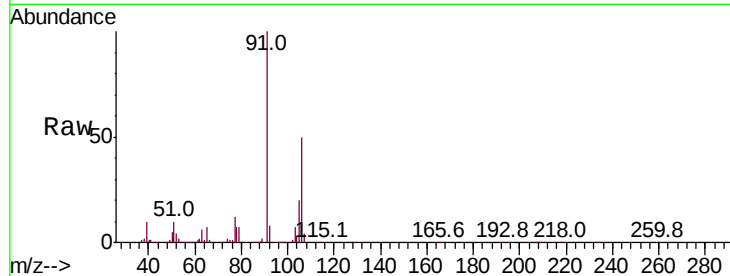




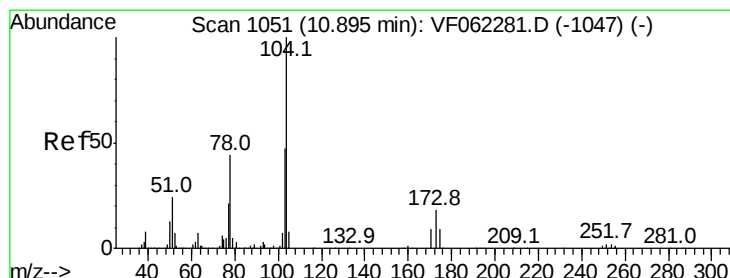
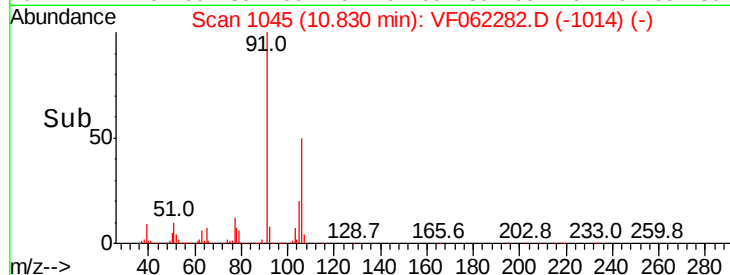
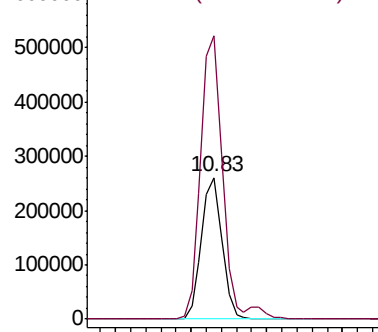
#69
o-Xylene
Concen: 72.688 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 493263
Ion Ratio Lower Upper
106 100
91 206.9 110.0 330.0

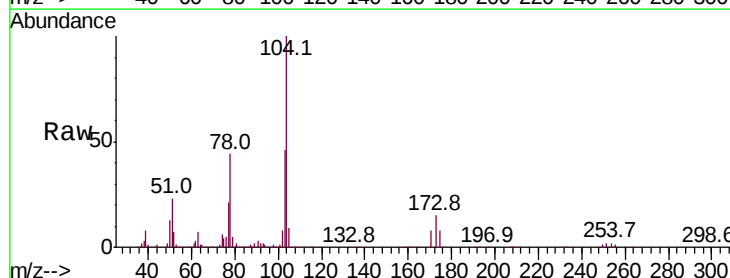


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

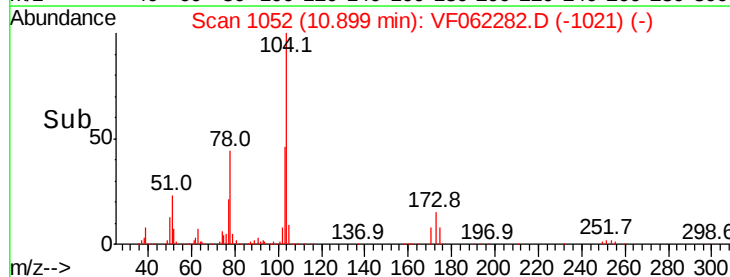
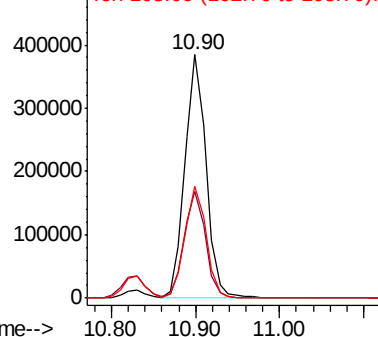


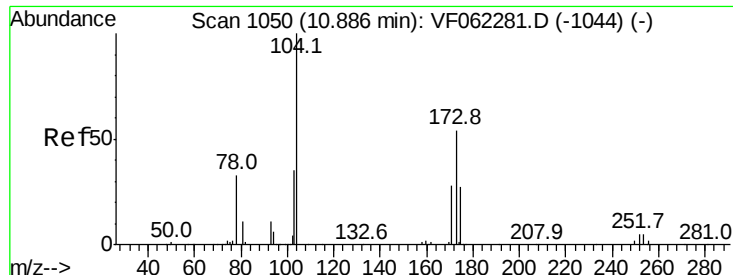
#70
Styrene
Concen: 68.167 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion:104 Resp: 669224
Ion Ratio Lower Upper
104 100
78 44.5 35.9 53.9
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 73.972 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

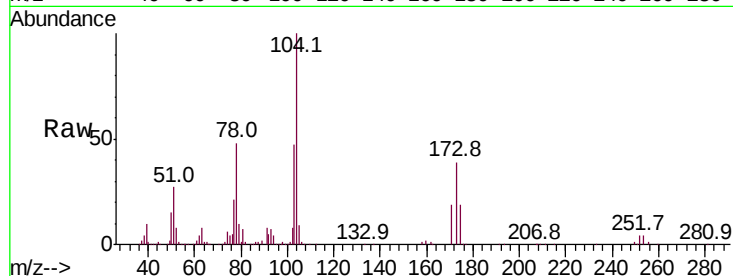
Tot Ion:173 Resp: 178618

Ion Ratio Lower Upper

173 100

175 49.3 25.3 75.9

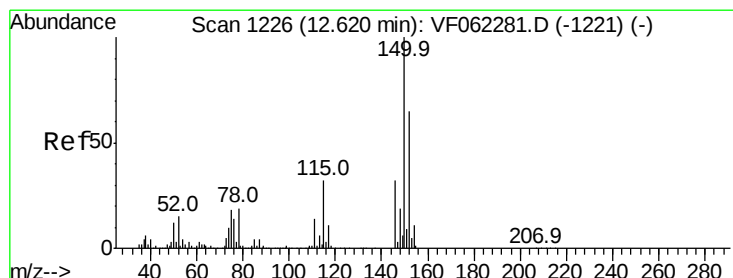
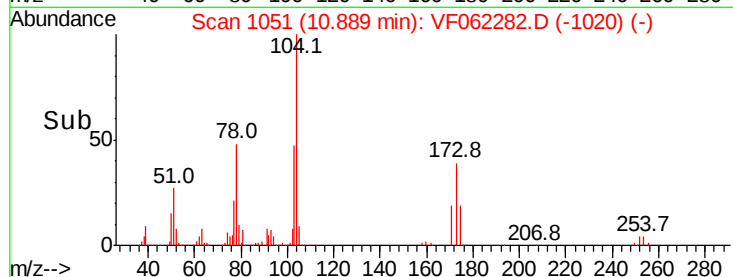
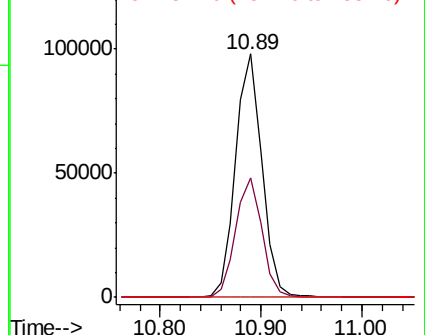
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

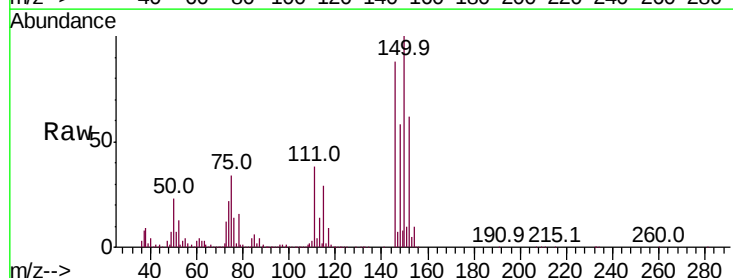
Tgt Ion:152 Resp: 266160

Ion Ratio Lower Upper

152 100

115 53.2 25.6 76.8

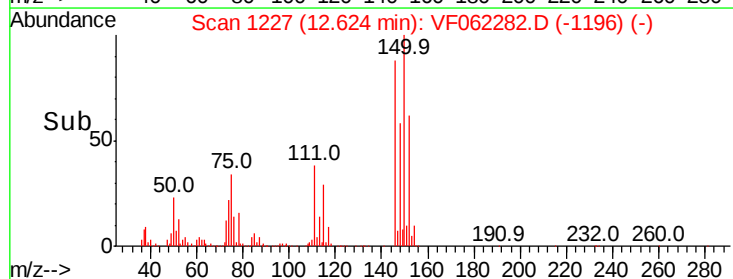
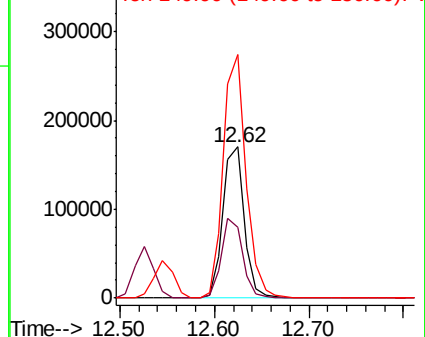
150 171.7 0.0 330.6

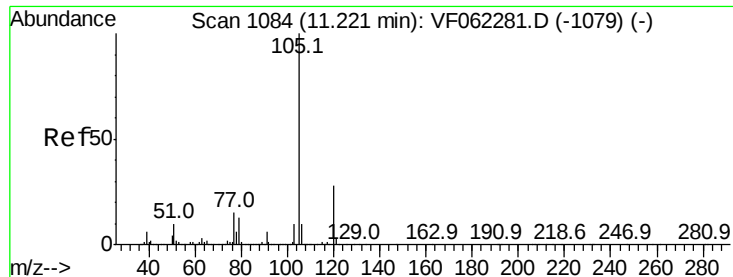


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 71.218 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

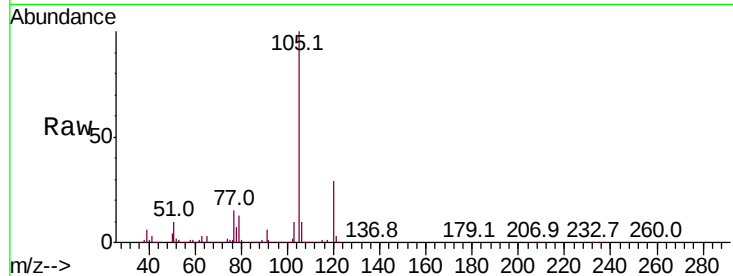
VSTDIC075

Tot Ion:105 Resp: 1353289

Ion Ratio Lower Upper

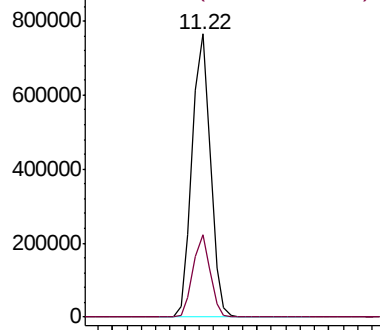
105 100

120 27.3 12.4 37.2

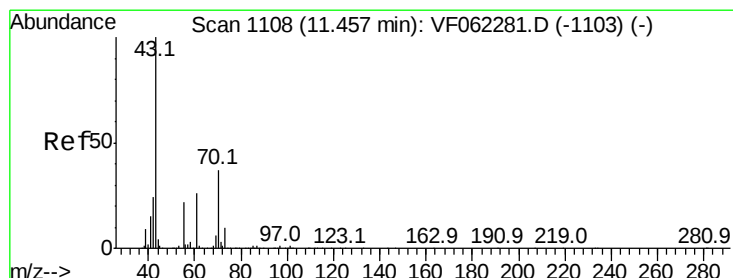
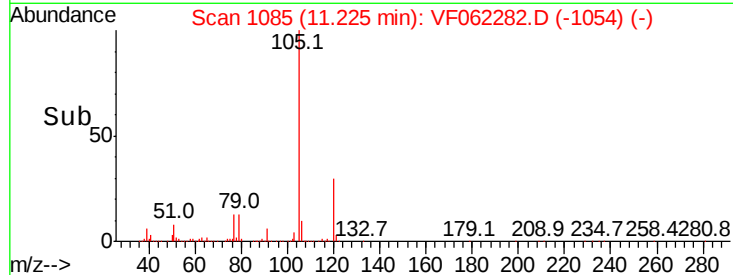


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 66.074 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion: 43 Resp: 285059

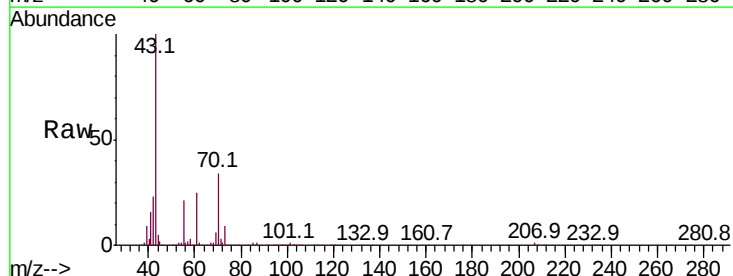
Ion Ratio Lower Upper

43 100

70 35.7 27.8 41.8

55 20.6 16.6 24.8

61 26.0 20.0 30.0

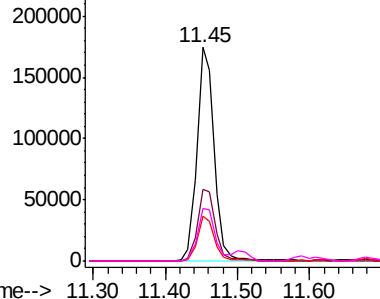


Abundance Ion 43.00 (42.70 to 43.70): VF0

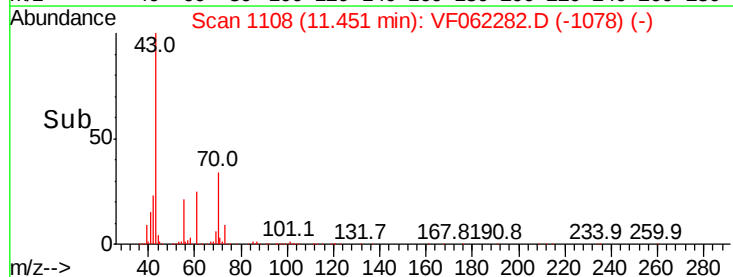
Ion 70.00 (69.70 to 70.70): VF0

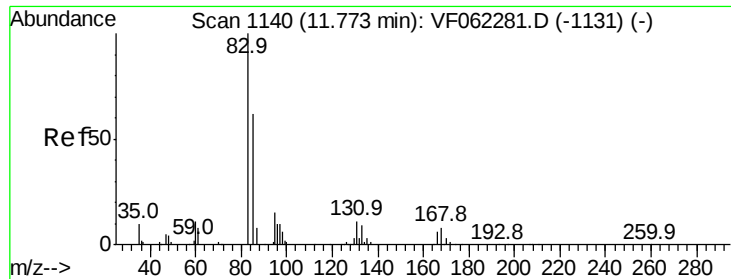
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 78.515 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

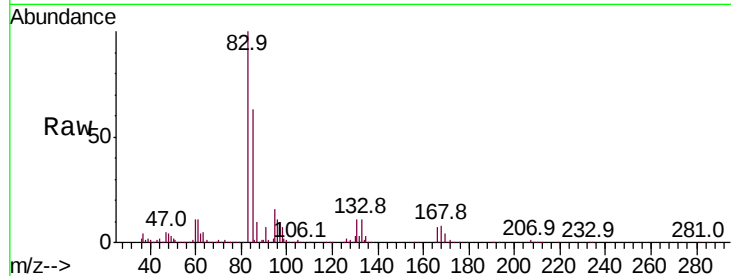
Tot Ion: 83 Resp: 223109

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.5

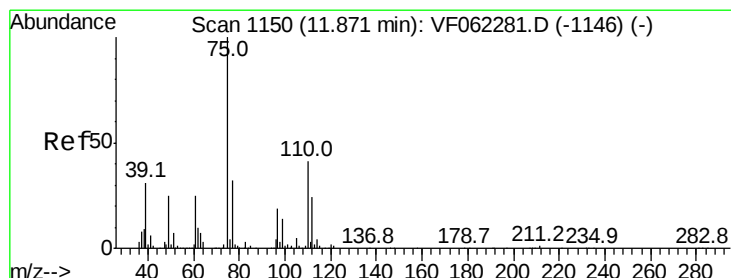
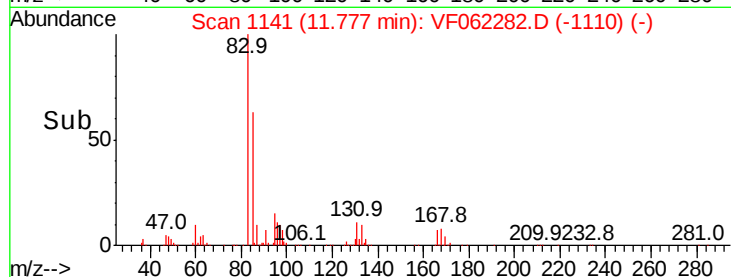
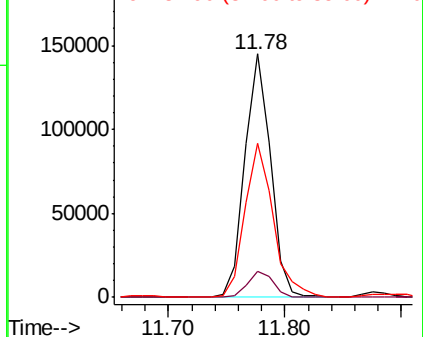
85 69.8 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 76.781 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062282.D

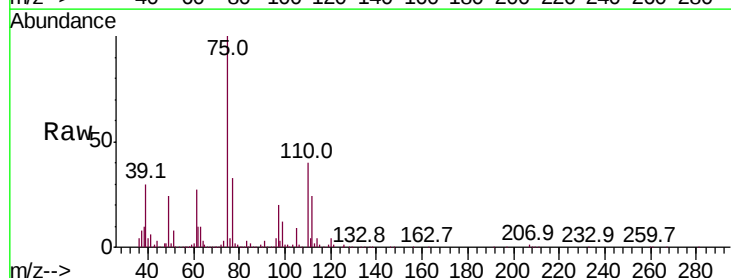
Acq: 24 Apr 2019 15:40

Tgt Ion: 75 Resp: 157446

Ion Ratio Lower Upper

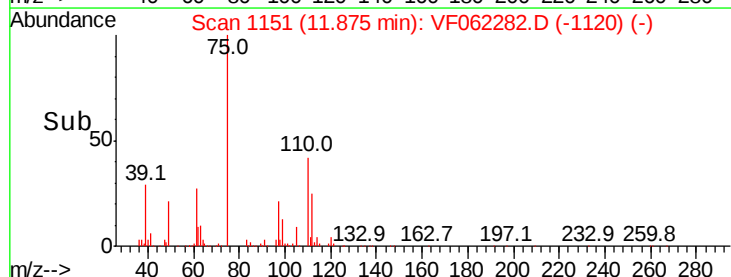
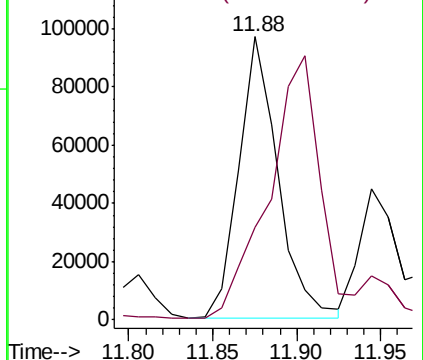
75 100

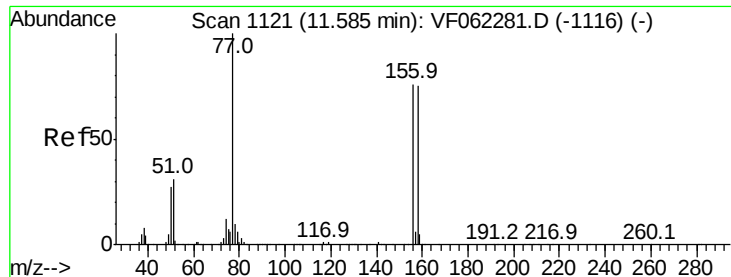
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 74.873 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

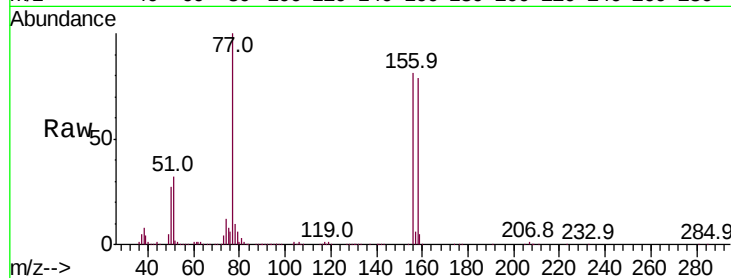
Tot Ion:156 Resp: 343134

Ion Ratio Lower Upper

156 100

77 133.8 67.3 201.9

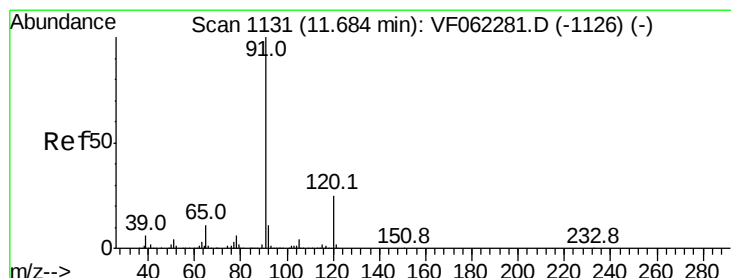
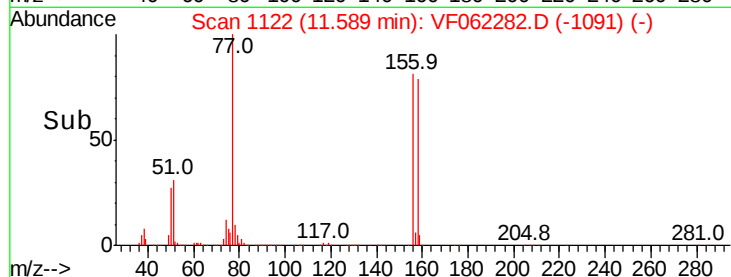
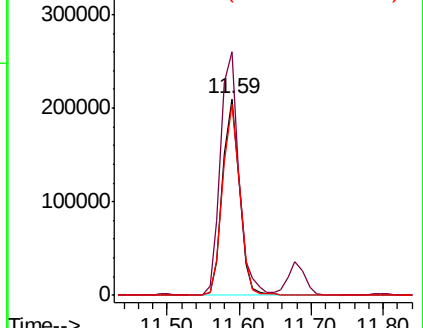
158 98.5 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 69.817 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062282.D

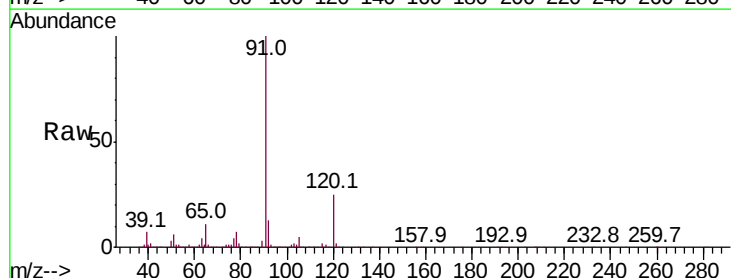
Acq: 24 Apr 2019 15:40

Tgt Ion: 91 Resp: 1380573

Ion Ratio Lower Upper

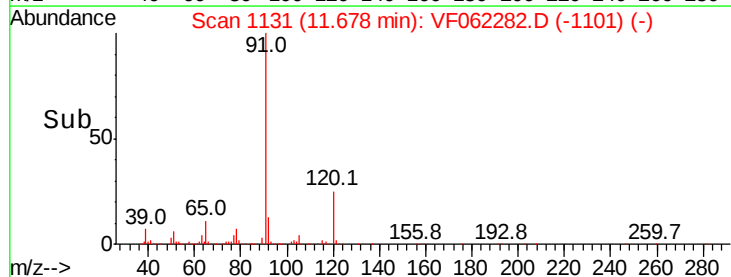
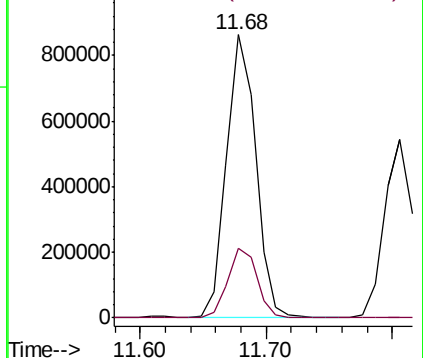
91 100

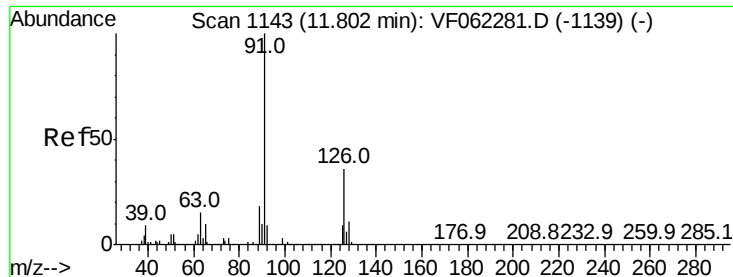
120 24.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

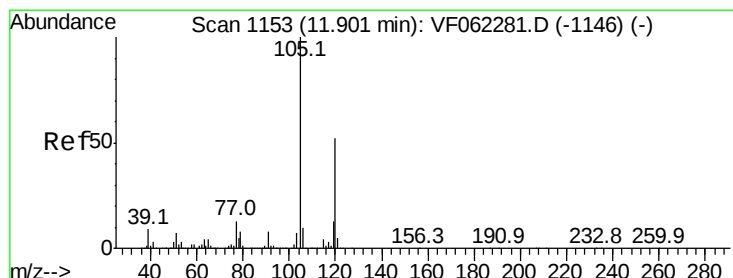
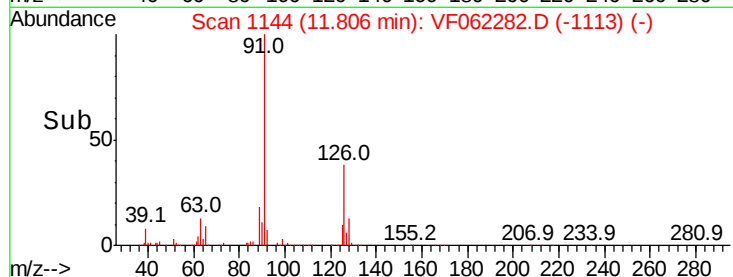
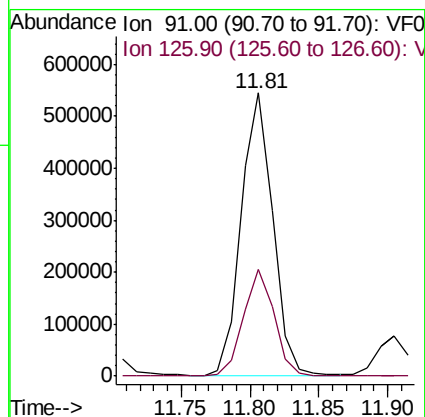
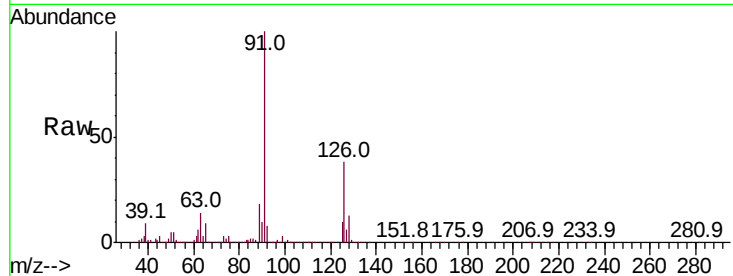




#79
2-Chlorotoluene
Concen: 73.969 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

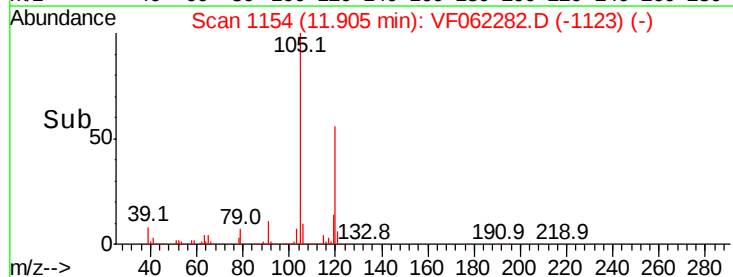
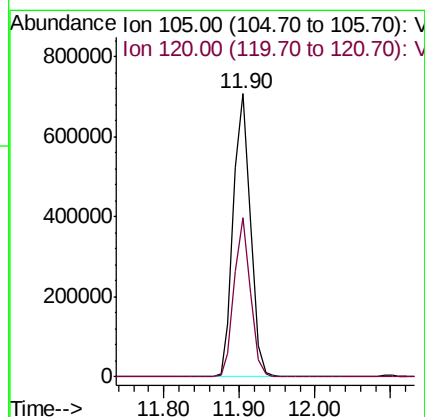
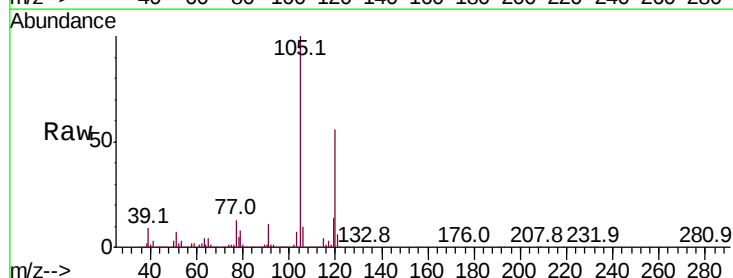
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

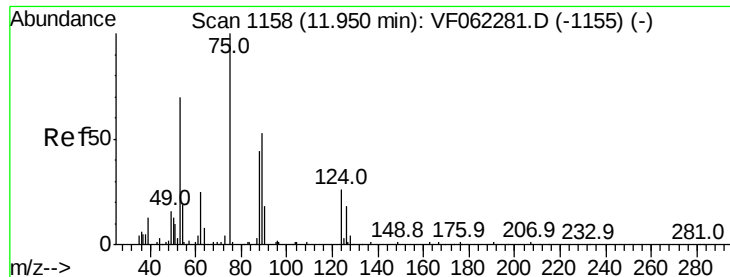
Tot Ion: 91 Resp: 869292
Ion Ratio Lower Upper
91 100
126 37.0 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 69.107 ug/l
RT: 11.90 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 105 Resp: 1098733
Ion Ratio Lower Upper
105 100
120 53.1 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 77.068 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

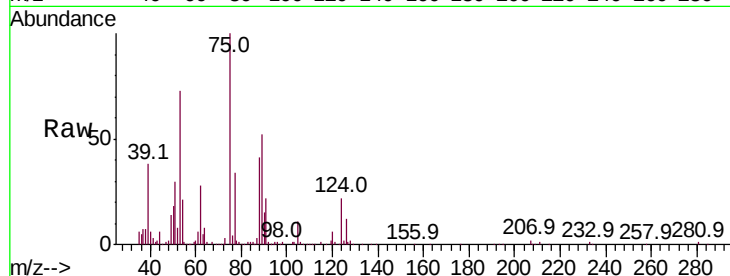
Tot Ion: 75 Resp: 91768

Ion Ratio Lower Upper

75 100

53 53.8 67.1 100.7#

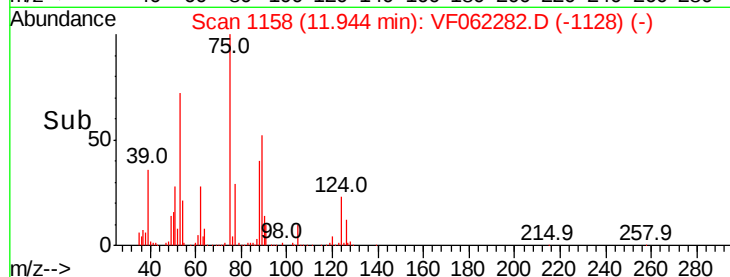
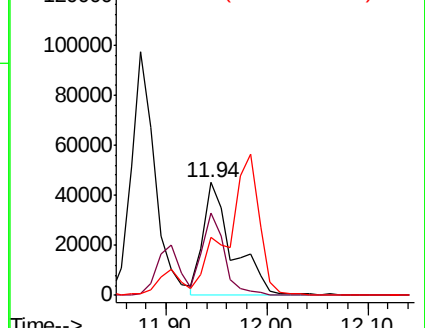
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 70.838 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062282.D

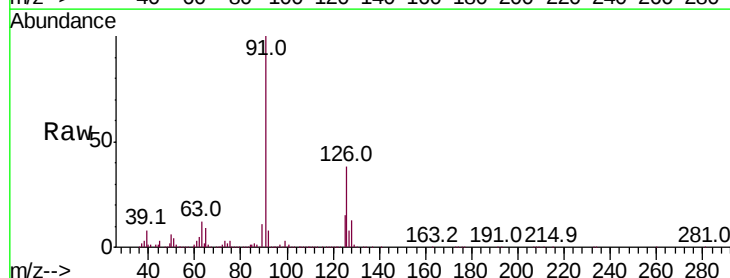
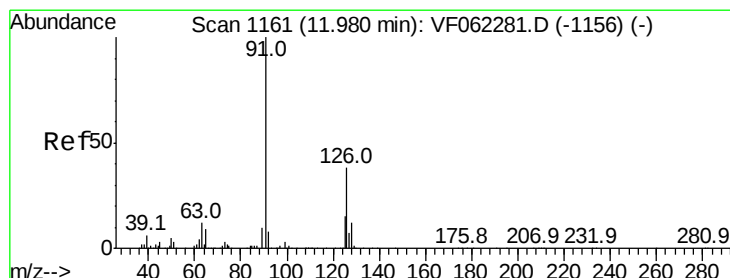
Acq: 24 Apr 2019 15:40

Tgt Ion: 91 Resp: 825001

Ion Ratio Lower Upper

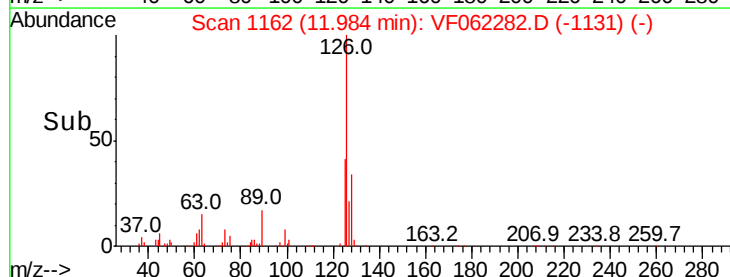
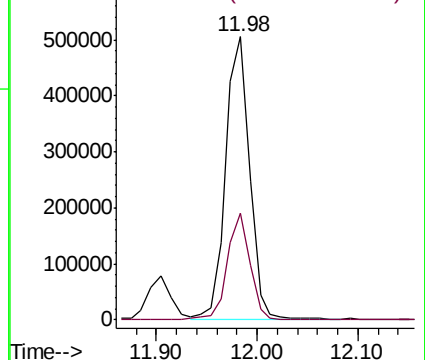
91 100

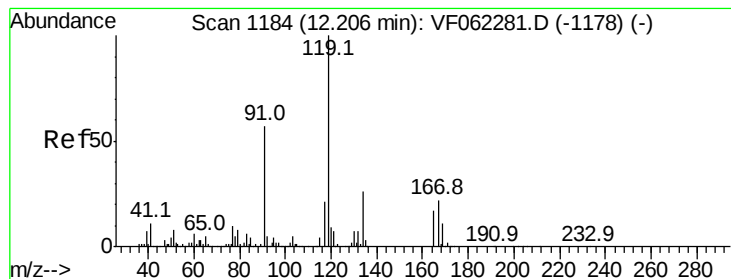
126 36.5 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 69.542 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

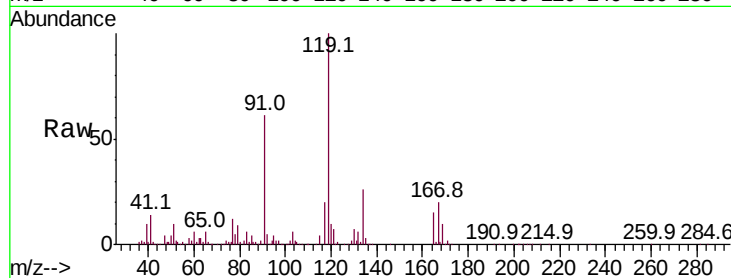
Tot Ion:119 Resp: 1159269

Ion Ratio Lower Upper

119 100

91 57.6 29.4 88.2

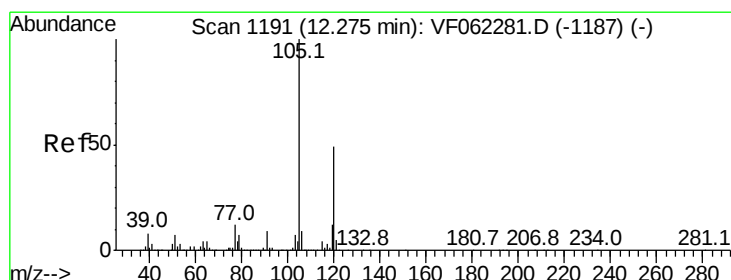
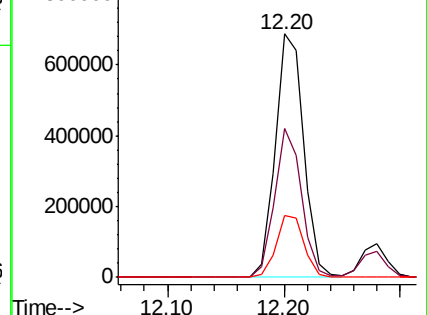
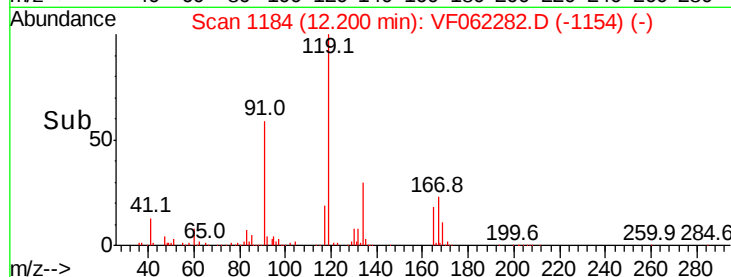
134 25.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 67.929 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062282.D

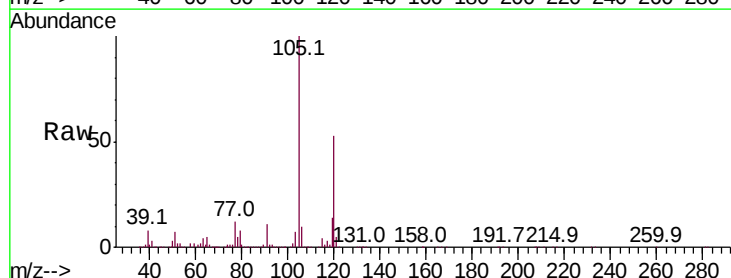
Acq: 24 Apr 2019 15:40

Tgt Ion:105 Resp: 1062089

Ion Ratio Lower Upper

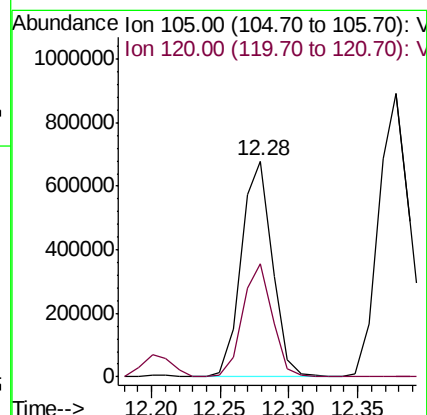
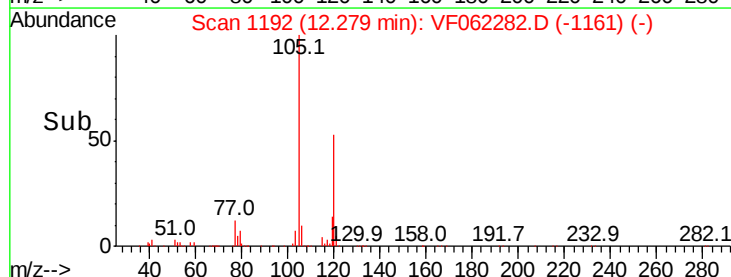
105 100

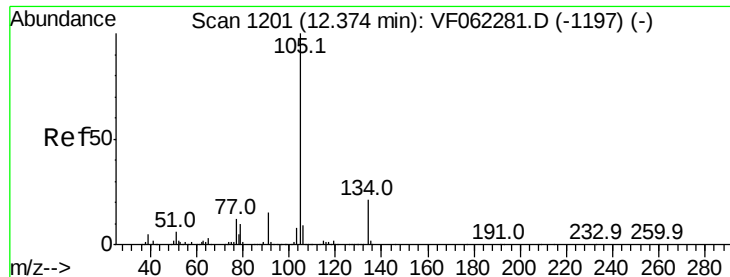
120 49.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 67.808 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

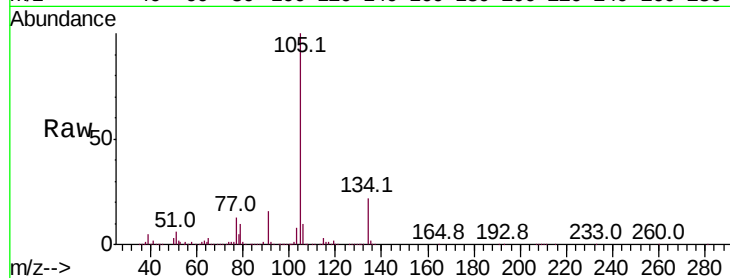
VSTDIC075

Tot Ion:105 Resp: 1403190

Ion Ratio Lower Upper

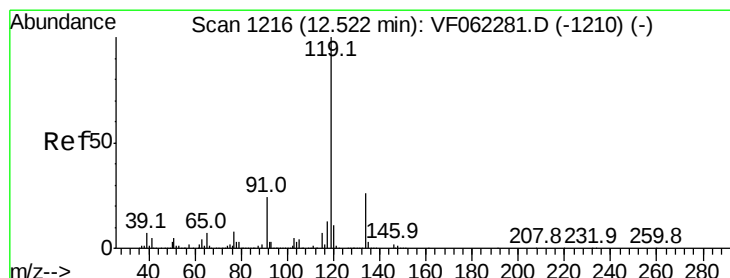
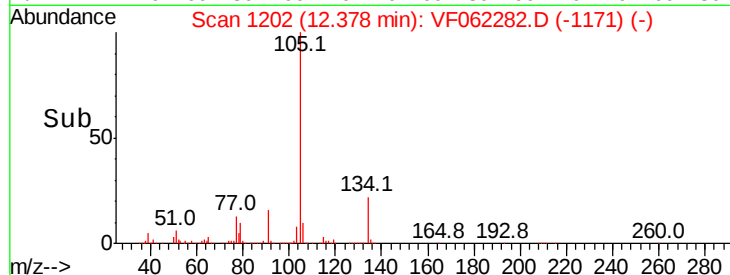
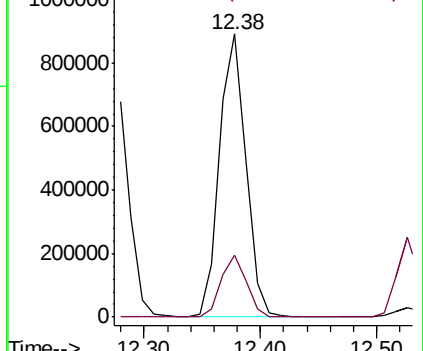
105 100

134 20.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 68.477 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

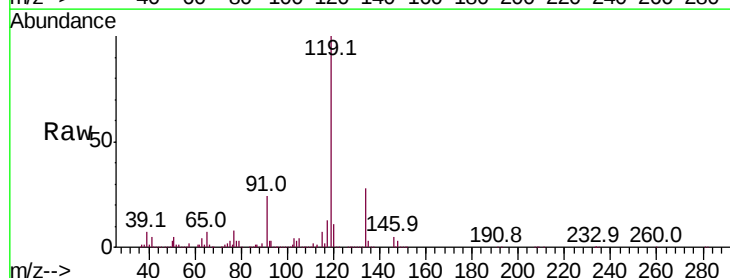
Tgt Ion:119 Resp: 1261367

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.5

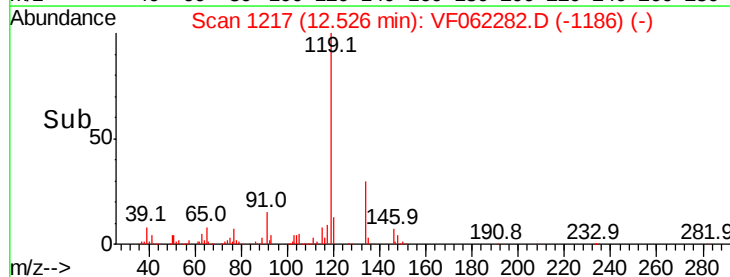
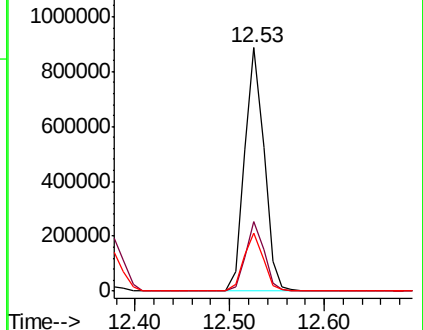
91 23.8 11.6 34.7

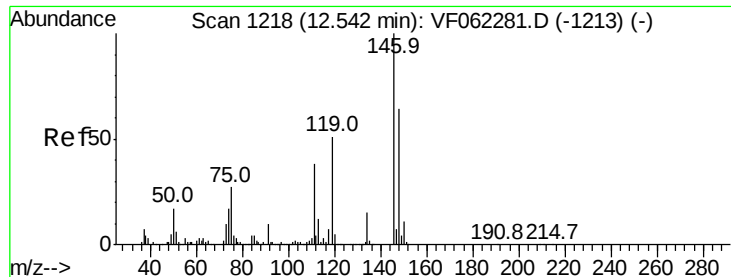


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 67.291 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

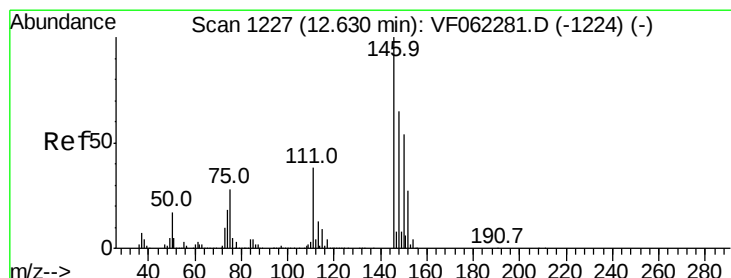
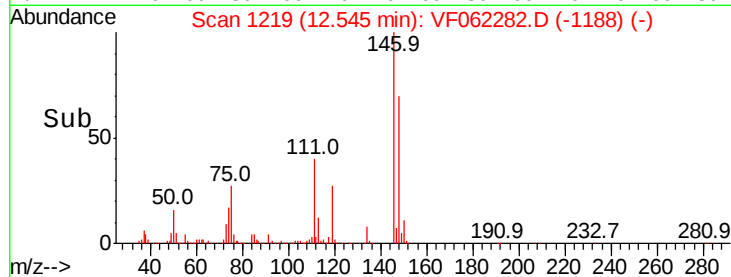
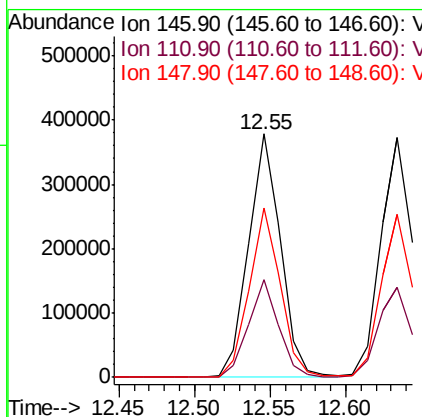
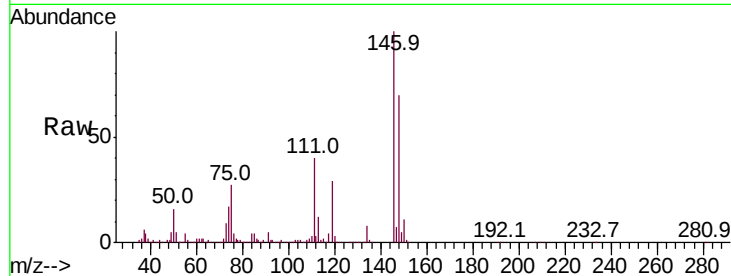
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:146 Resp: 561140

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	67.7	32.8	98.4



#88

1,4-Dichlorobenzene

Concen: 71.376 ug/l

RT: 12.63 min Scan# 1228

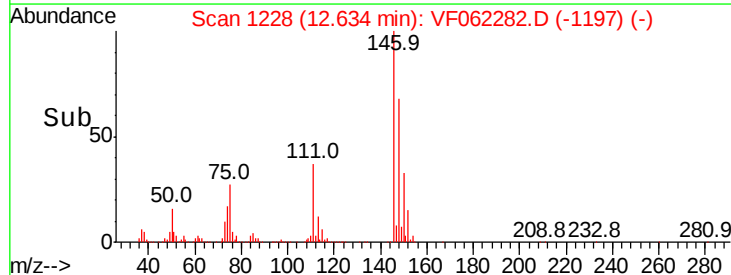
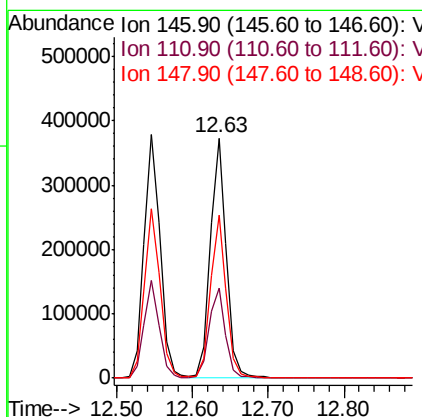
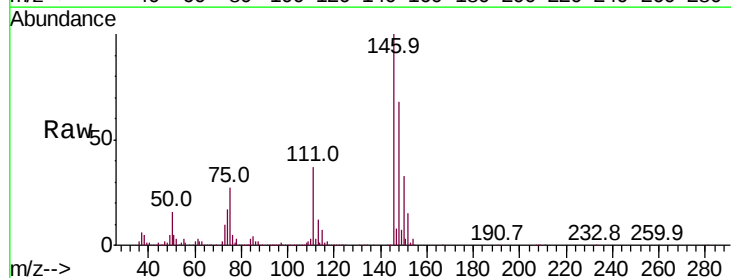
Delta R.T. 0.00 min

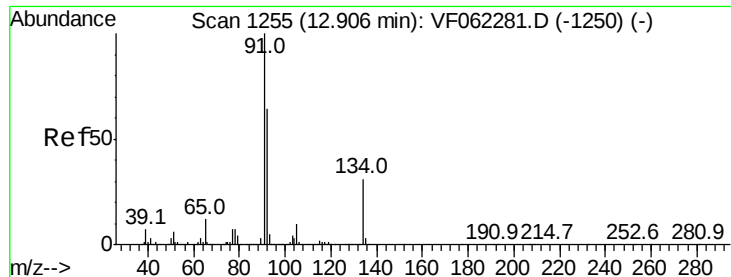
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:146 Resp: 558127

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	56.0
148	67.0	32.5	97.5





#89

n-Butylbenzene

Concen: 63.019 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

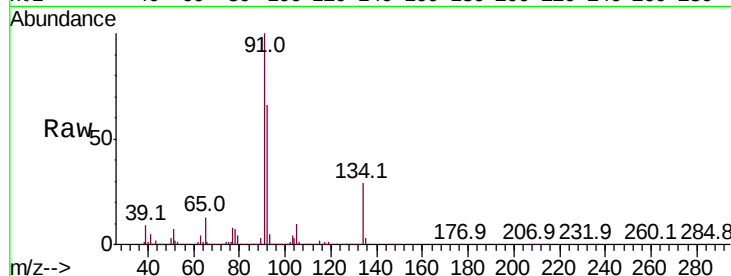
Tot Ion: 91 Resp: 1082554

Ion Ratio Lower Upper

91 100

92 63.9 31.1 93.3

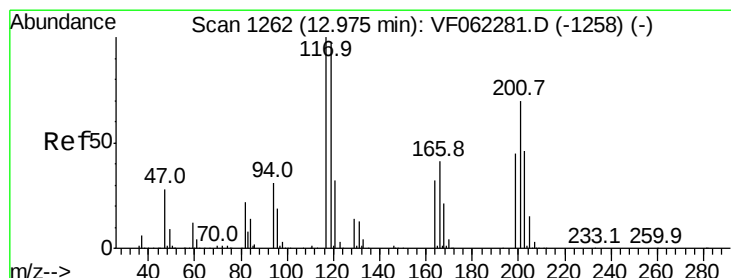
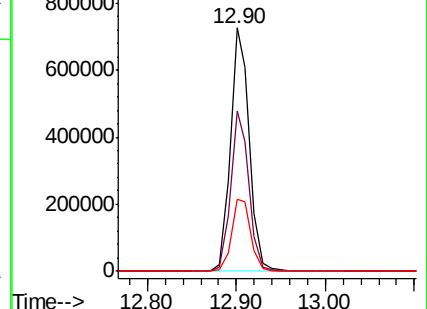
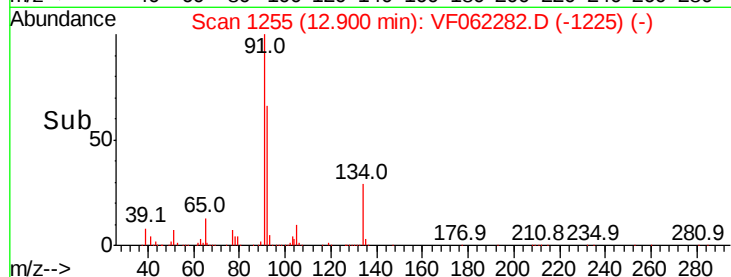
134 30.3 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 72.822 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062282.D

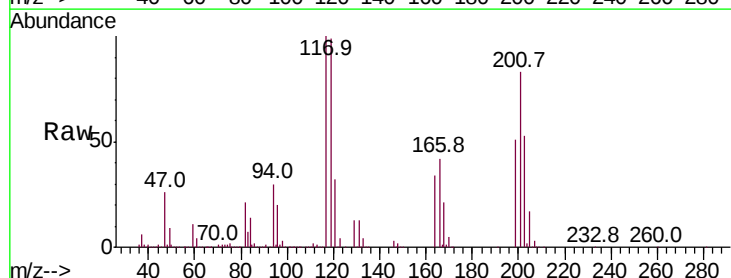
Acq: 24 Apr 2019 15:40

Tgt Ion: 117 Resp: 332810

Ion Ratio Lower Upper

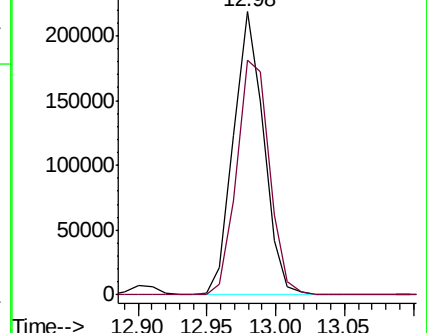
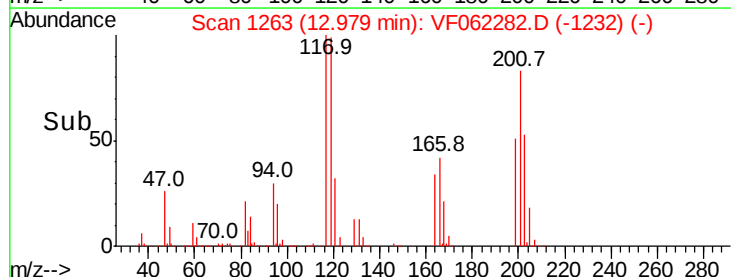
117 100

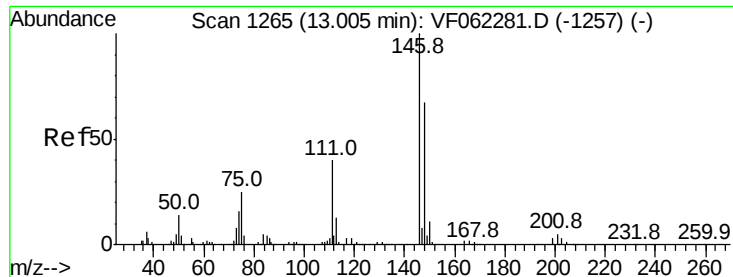
201 90.9 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 69.917 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

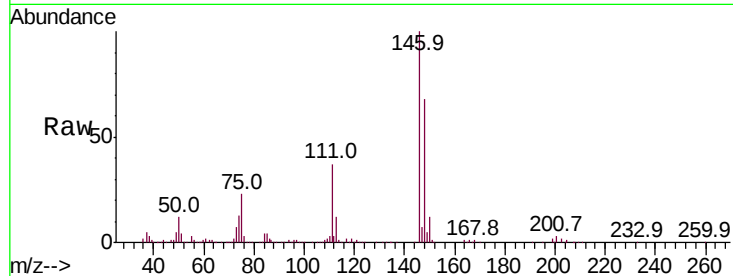
Tot Ion:146 Resp: 560483

Ion Ratio Lower Upper

146 100

111 39.5 20.0 59.9

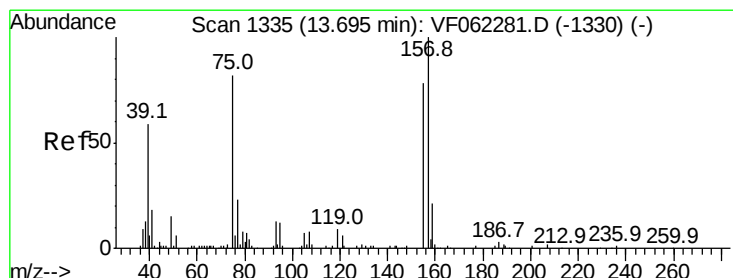
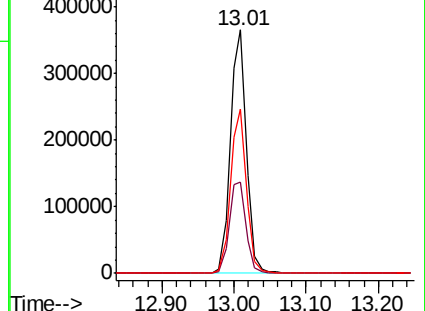
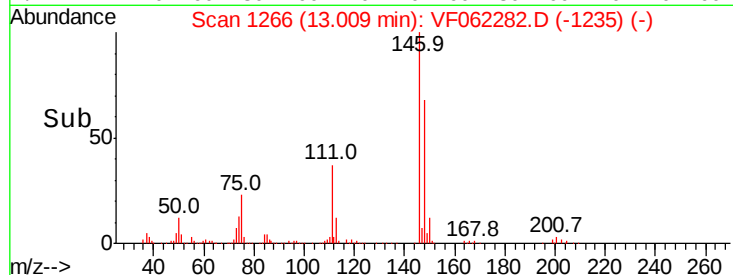
148 66.7 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 77.389 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

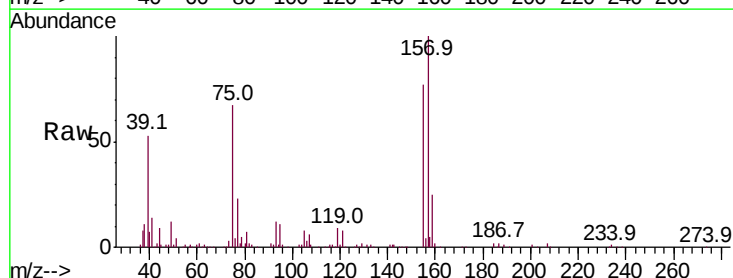
Tgt Ion: 75 Resp: 44701

Ion Ratio Lower Upper

75 100

155 106.8 51.7 155.2

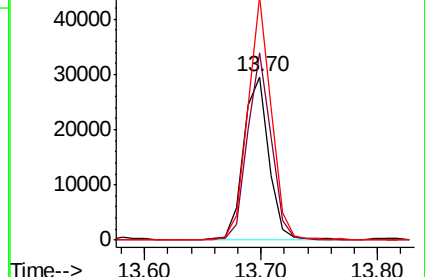
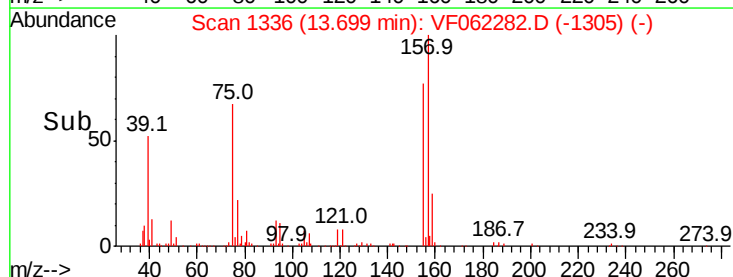
157 137.3 64.5 193.5

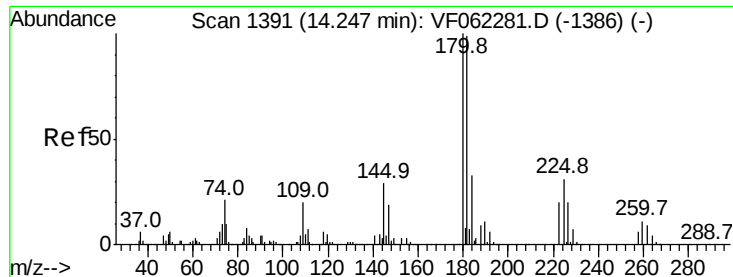


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

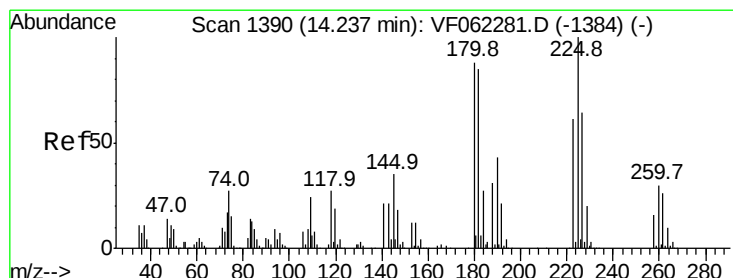
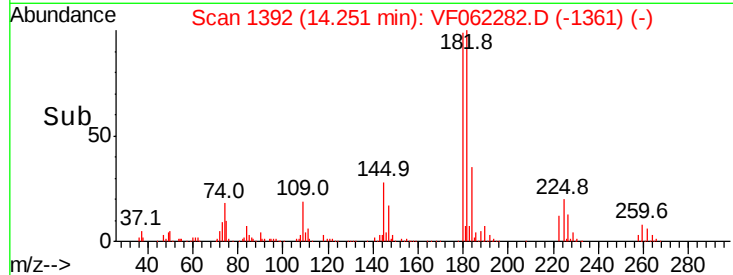
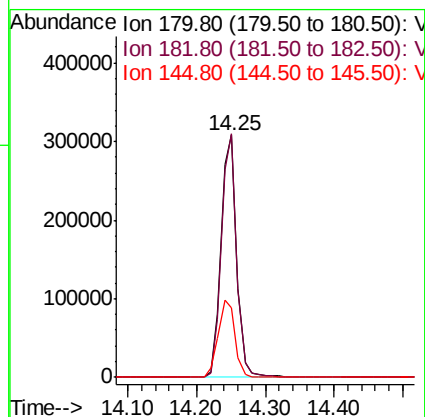
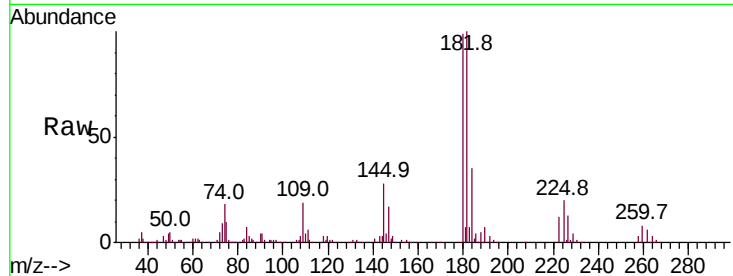




#93
 1,2,4-Trichlorobenzene
 Concen: 67.882 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

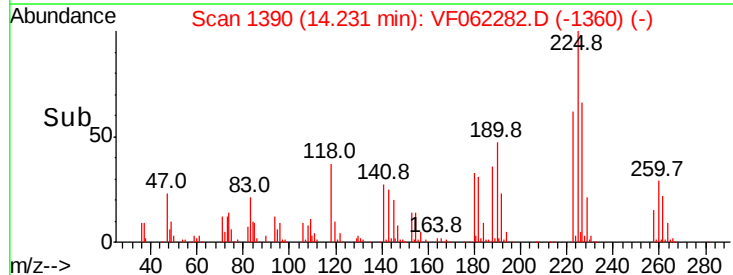
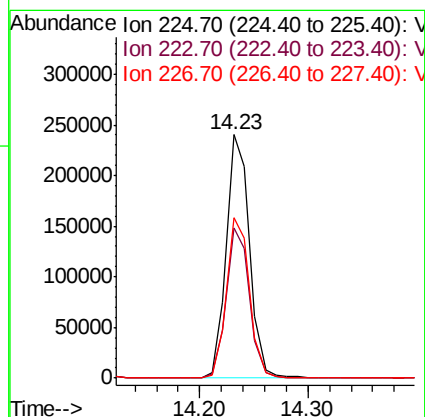
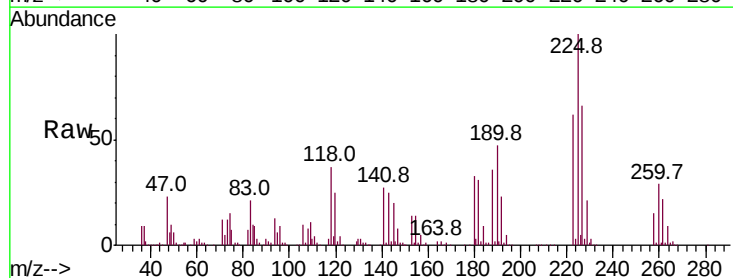
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

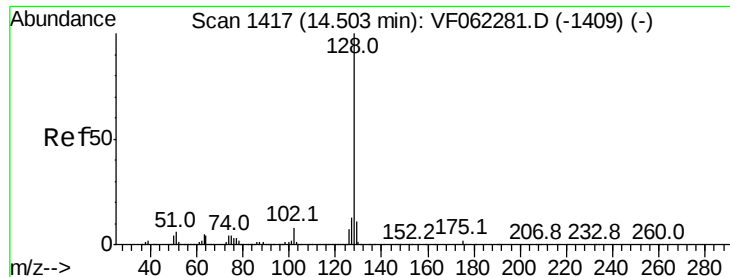
Tot Ion:180 Resp: 482135
 Ion Ratio Lower Upper
 180 100
 182 98.8 48.5 145.6
 145 34.5 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 71.161 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion:225 Resp: 358740
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.8 92.3
 227 65.6 31.9 95.5





#95

Naphthalene

Concen: 74.788 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

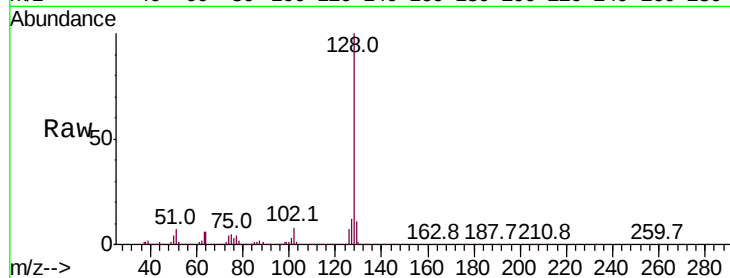
Tot Ion:128 Resp: 788718

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

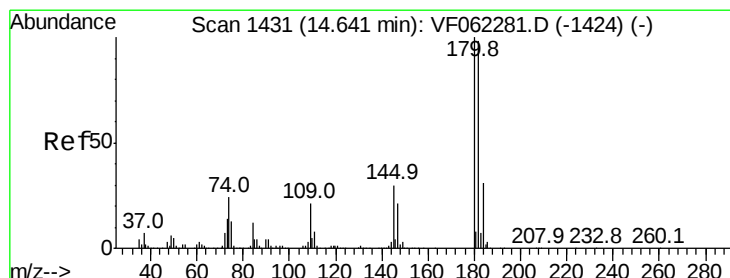
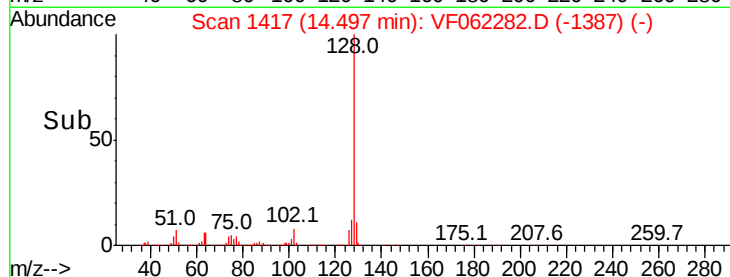
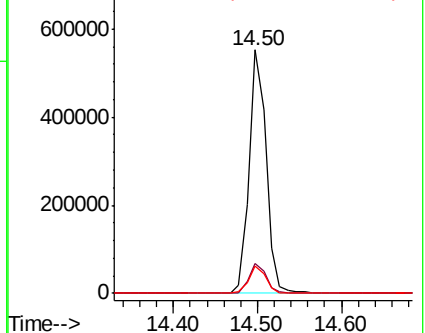
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 71.944 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

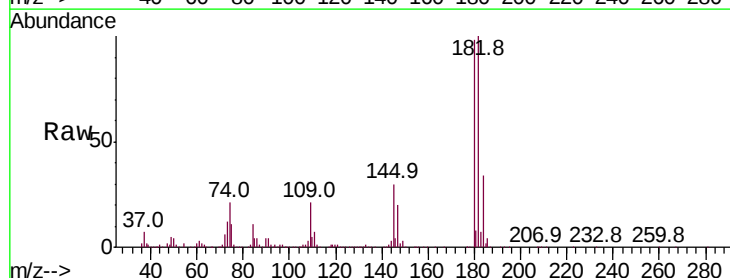
Tgt Ion:180 Resp: 470316

Ion Ratio Lower Upper

180 100

182 98.6 49.0 147.2

145 29.9 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

