

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062278.D
 Acq On : 24 Apr 2019 13:48
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 25 07:35:04 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	5.07	168	514371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	698938	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	536400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	328325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	23448	5.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.24%	
35) Dibromofluoromethane	4.32	113	29541	5.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.10%	
50) Toluene-d8	7.72	98	75545	5.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.90%	
62) 4-Bromofluorobenzene	11.50	95	33396	6.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	32730	5.143	ug/l	91
3) Chloromethane	1.14	50	30663	5.754	ug/l	90
4) Vinyl Chloride	1.19	62	26061	5.213	ug/l #	86
5) Bromomethane	1.40	94	19895	5.896	ug/l	84
6) Chloroethane	1.44	64	11722	5.351	ug/l #	86
7) Trichlorofluoromethane	1.56	101	39268	4.979	ug/l	97
8) Diethyl Ether	1.72	74	8847	6.242	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	24339	4.924	ug/l	92
10) Methyl Iodide	1.97	142	45765	5.319	ug/l	97
11) Tert butyl alcohol	2.71	59	6686	26.922	ug/l #	69
12) 1,1-Dichloroethene	1.86	96	24306	5.358	ug/l	96
13) Acrolein	2.11	56	4411	26.819	ug/l #	72
14) Allyl chloride	2.21	41	39991	5.848	ug/l #	75
15) Acrylonitrile	3.11	53	18624	25.930	ug/l	92
16) Acetone	2.36	43	26128	28.038	ug/l	97
17) Carbon Disulfide	1.92	76	66401	5.645	ug/l	95
18) Methyl Acetate	2.47	43	15648	6.772	ug/l #	84
19) Methyl tert-butyl Ether	2.56	73	42267	5.057	ug/l	92
20) Methylene Chloride	2.33	84	43288	7.342	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	24253	5.567	ug/l	96
22) Diisopropyl ether	2.95	45	68433	5.257	ug/l	95
23) Vinyl Acetate	3.35	43	142368	25.245	ug/l	98
24) 1,1-Dichloroethane	3.03	63	37422	5.125	ug/l	100
25) 2-Butanone	4.53	43	41070	27.807	ug/l	94
26) 2,2-Dichloropropane	3.79	77	20001	5.244	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	28086	5.039	ug/l	95
28) Bromochloromethane	3.91	49	17103	5.356	ug/l #	100
29) Tetrahydrofuran	4.29	42	17854	27.735	ug/l	95
30) Chloroform	4.07	83	44346	4.869	ug/l	93
31) Cyclohexane	3.88	56	36844	5.216	ug/l	94
32) 1,1,1-Trichloroethane	4.31	97	39409	5.810	ug/l	89
36) 1,1-Dichloropropene	4.49	75	35258	5.311	ug/l	97
37) Ethyl Acetate	4.32	43	15137	5.554	ug/l #	90
38) Carbon Tetrachloride	4.20	117	39248	6.051	ug/l	90

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 Data File : VF062278.D
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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 25 07:35:04 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)
39) Methylcyclohexane	5.65	83	41862	5.351	ug/l	96
40) Benzene	4.84	78	85065	5.313	ug/l	97
41) Methacrylonitrile	4.94	41	7972	5.236	ug/l #	50
42) 1,2-Dichloroethane	5.15	62	24917	5.067	ug/l #	76
43) Isopropyl Acetate	7.13	43	19078	6.636	ug/l #	99
44) Trichloroethene	5.70	130	28819	5.322	ug/l	97
45) 1,2-Dichloropropane	6.42	63	19691	5.583	ug/l	90
46) Dibromomethane	6.27	93	13361	5.230	ug/l	95
47) Bromodichloromethane	6.57	83	33399	5.553	ug/l	92
48) Methyl methacrylate	6.89	41	11554	5.857	ug/l	96
49) 1,4-Dioxane	6.88	88	2737	121.232	ug/l #	81
51) 4-Methyl-2-Pentanone	8.42	43	65029	29.563	ug/l	98
52) Toluene	7.79	92	52013	5.664	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	24889	5.682	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	30877	5.428	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	12895	5.137	ug/l	94
56) Ethyl methacrylate	8.76	69	17893	6.377	ug/l	94
57) 1,3-Dichloropropane	9.01	76	22456	5.689	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.46	63	21196	24.452	ug/l	98
59) 2-Hexanone	9.63	43	50244	23.423	ug/l	98
60) Dibromochloromethane	8.87	129	21633	5.349	ug/l	100
61) 1,2-Dibromoethane	9.15	107	16494	5.639	ug/l	98
64) Tetrachloroethene	8.32	164	23935	5.191	ug/l	92
65) Chlorobenzene	9.95	112	52683	5.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	24506	5.110	ug/l	96
67) Ethyl Benzene	10.04	91	95549	5.414	ug/l	95
68) m/p-Xylenes	10.27	106	69251	10.628	ug/l	92
69) o-Xylene	10.82	106	37154	5.080	ug/l	94
70) Styrene	10.90	104	57441	5.428	ug/l	98
71) Bromoform	10.88	173	12686	4.874	ug/l #	97
73) Isopropylbenzene	11.22	105	113926	4.860	ug/l	99
74) N-amyl acetate	11.45	43	32582	6.122	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	16618	4.741	ug/l	84
76) 1,2,3-Trichloropropane	11.88	75	13509	5.341	ug/l #	100
77) Bromobenzene	11.59	156	28815	5.097	ug/l	96
78) n-propylbenzene	11.68	91	128157	5.254	ug/l	96
79) 2-Chlorotoluene	11.80	91	74920	5.168	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	100145	5.106	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	7401	5.039	ug/l #	90
82) 4-Chlorotoluene	11.98	91	76702	5.339	ug/l	99
83) tert-Butylbenzene	12.20	119	102781	4.998	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	101229	5.249	ug/l	96
85) sec-Butylbenzene	12.37	105	130282	5.104	ug/l	98
86) p-Isopropyltoluene	12.53	119	119781	5.271	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	57970	5.635	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	51052	5.293	ug/l	96
89) n-Butylbenzene	12.90	91	114218	5.390	ug/l	94
90) Hexachloroethane	12.98	117	26066	4.624	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	51950	5.253	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3776	5.299	ug/l	97

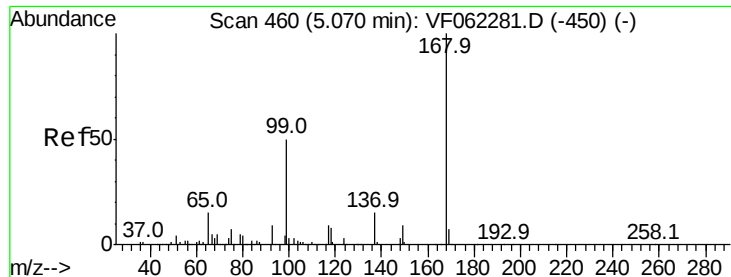
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
Data File : VF062278.D
Acq On : 24 Apr 2019 13:48
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Apr 25 07:35:04 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.24	180	46391	5.295	ug/l	99
94) Hexachlorobutadiene	14.23	225	31179	5.014	ug/l	98
95) Naphthalene	14.50	128	67585	5.195	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	39775	4.932	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

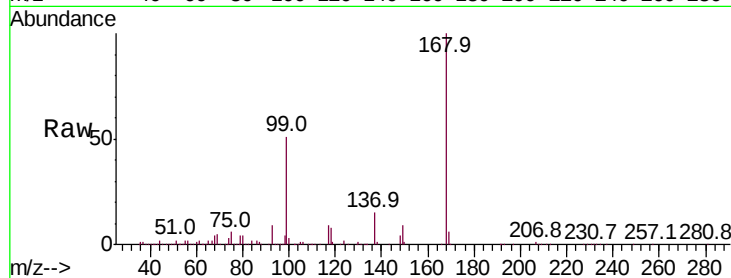
VSTDIC005

Tot Ion:168 Resp: 514371

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

200000

150000

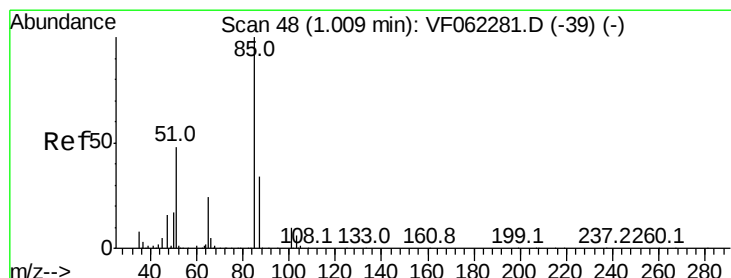
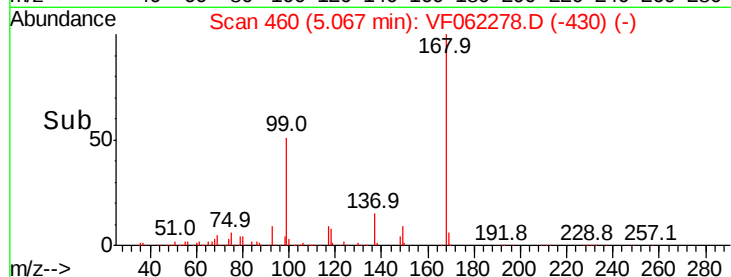
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 5.143 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062278.D

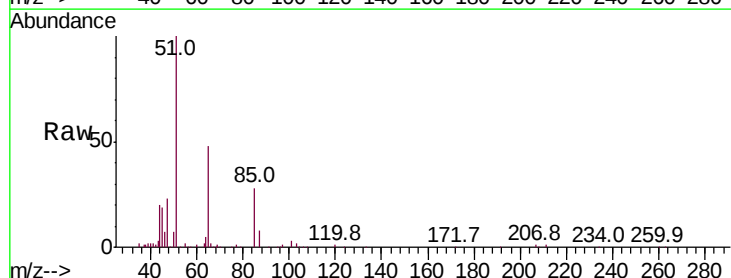
Acq: 24 Apr 2019 13:48

Tgt Ion: 85 Resp: 32730

Ion Ratio Lower Upper

85 100

87 29.0 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

12000

10000

8000

6000

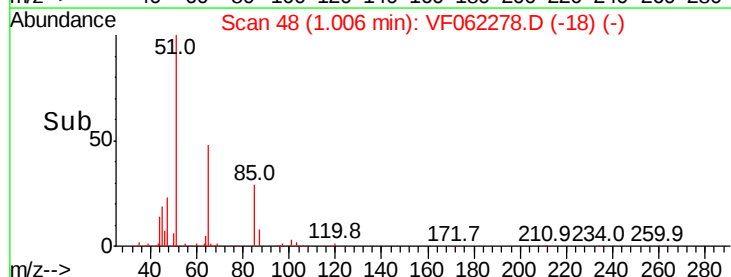
4000

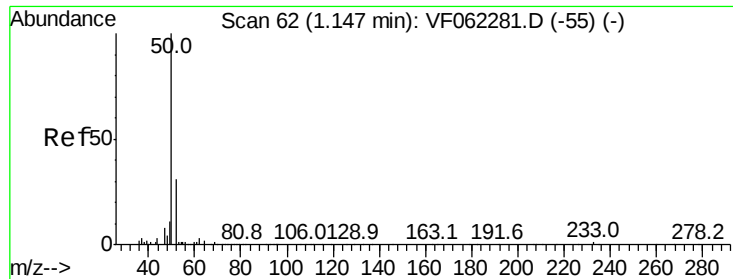
2000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 5.754 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

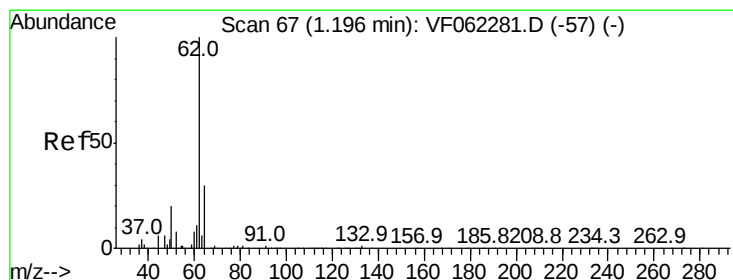
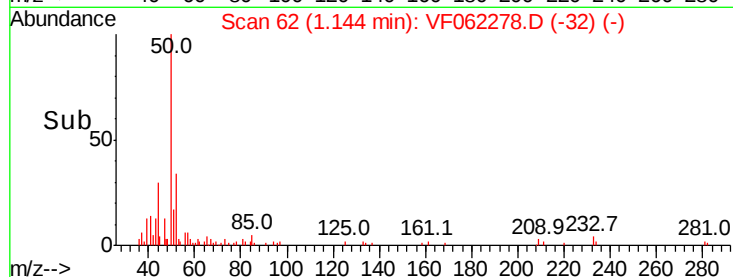
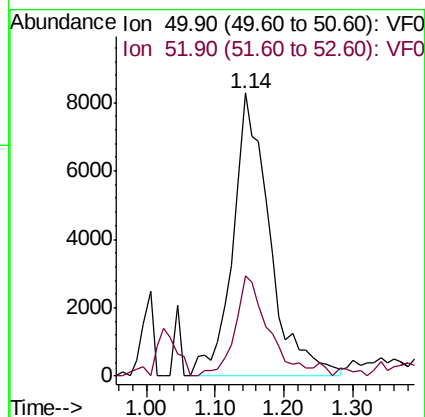
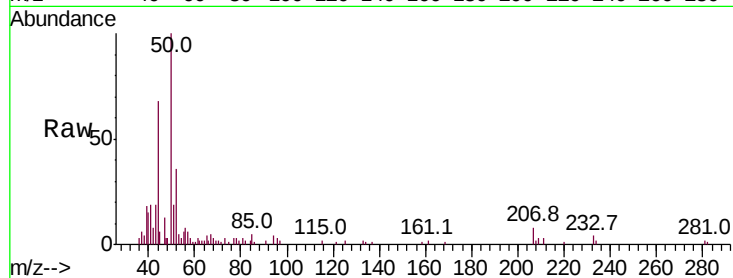
VSTDIC005

Tot Ion: 50 Resp: 30663

Ion Ratio Lower Upper

50 100

52 35.7 24.2 36.4



#4

Vinyl Chloride

Concen: 5.213 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062278.D

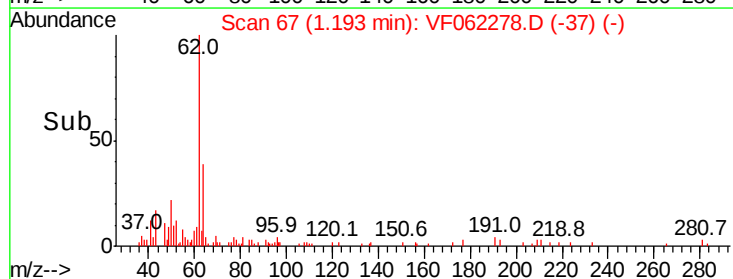
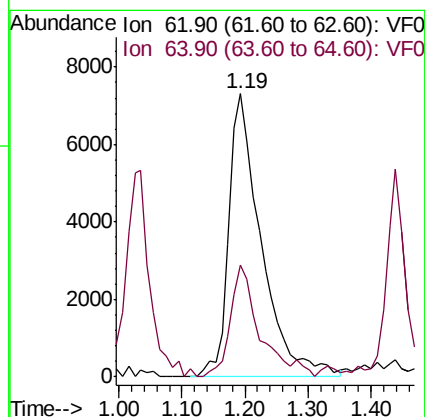
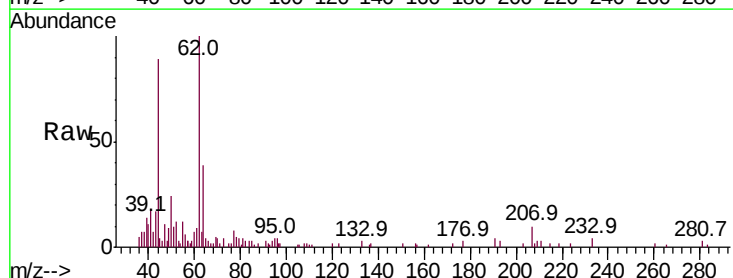
Acq: 24 Apr 2019 13:48

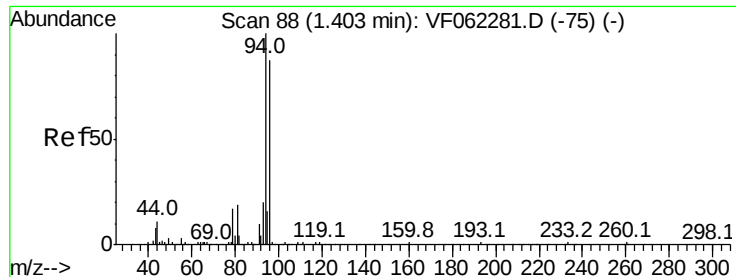
Tgt Ion: 62 Resp: 26061

Ion Ratio Lower Upper

62 100

64 37.9 24.3 36.5#





#5

Bromomethane

Concen: 5.896 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

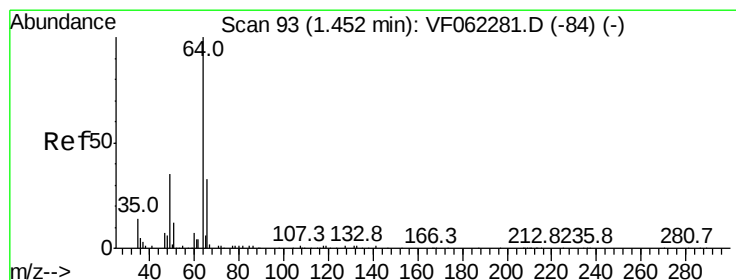
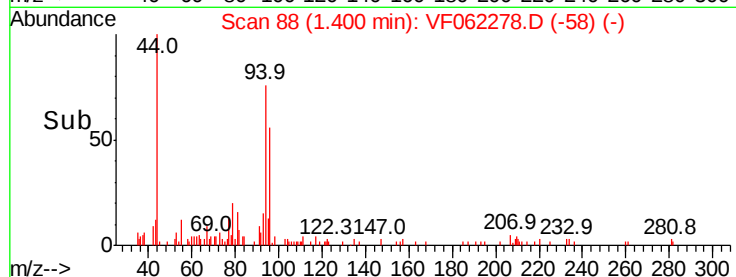
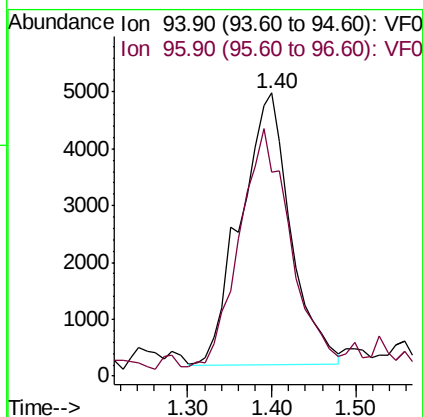
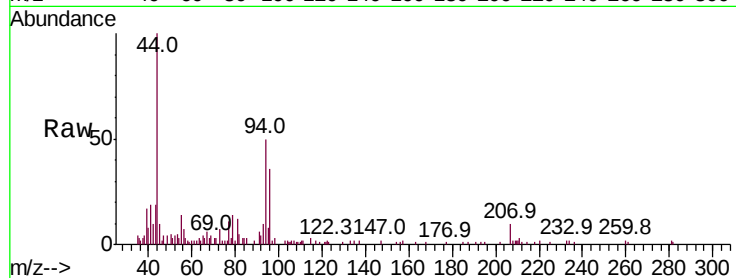
VSTDIC005

Tot Ion: 94 Resp: 19895

Ion Ratio Lower Upper

94 100

96 71.8 69.5 104.3



#6

Chloroethane

Concen: 5.351 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062278.D

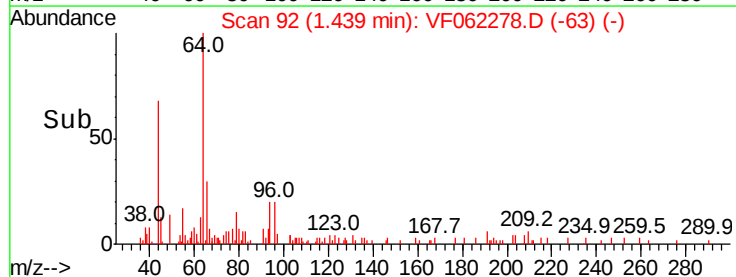
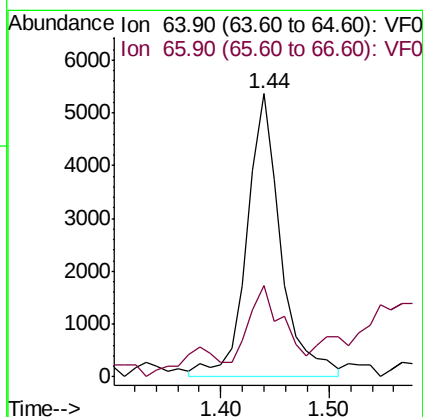
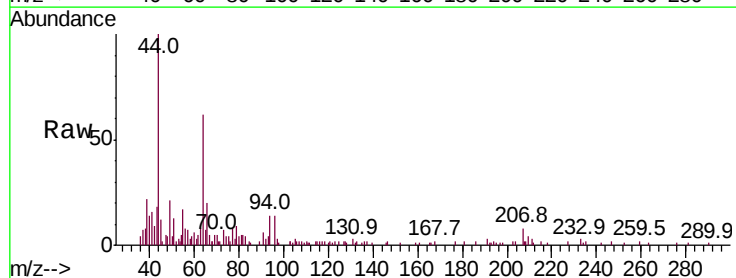
Acq: 24 Apr 2019 13:48

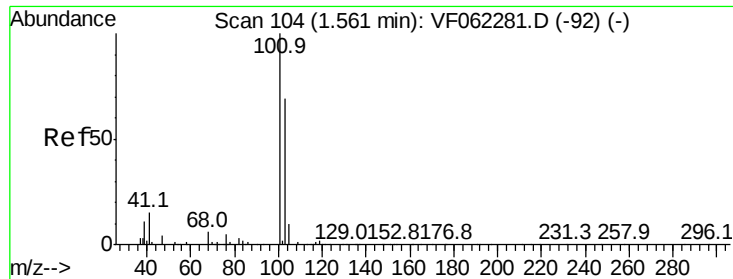
Tgt Ion: 64 Resp: 11722

Ion Ratio Lower Upper

64 100

66 24.7 26.0 39.0#



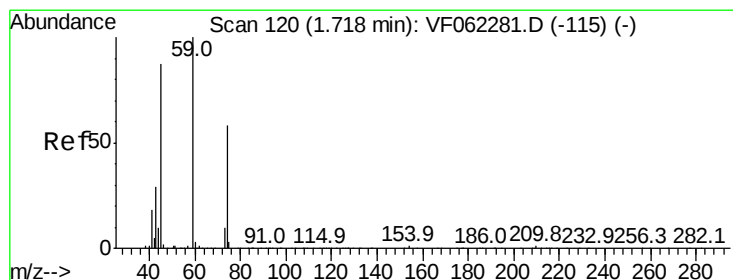
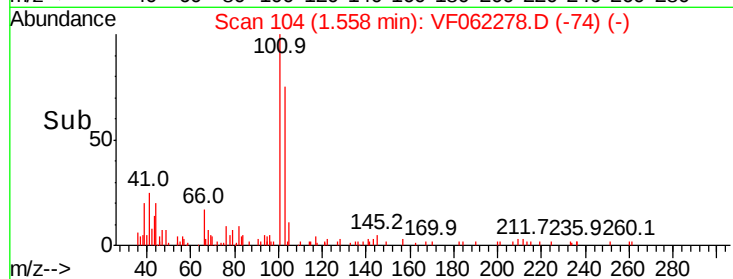
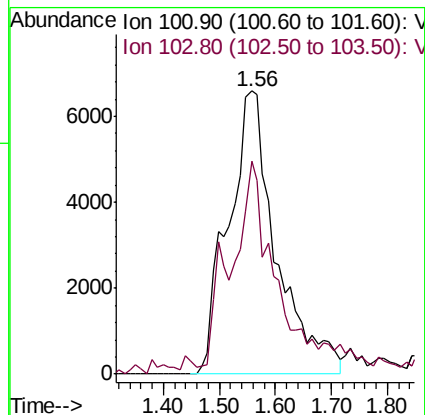
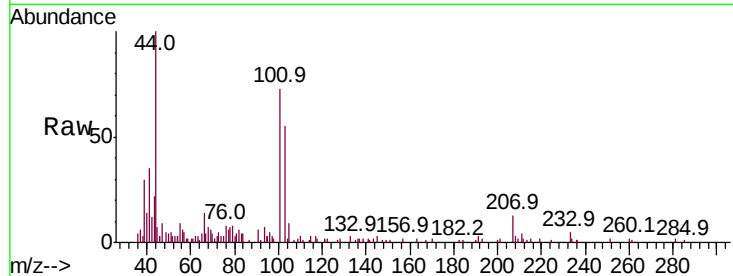


#7

Trichlorofluoromethane
Concen: 4.979 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

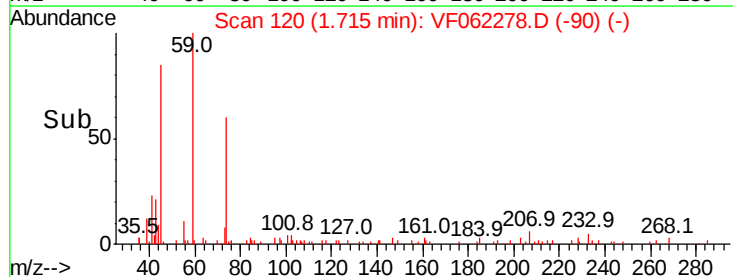
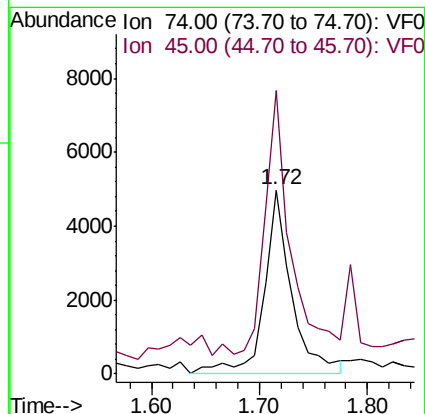
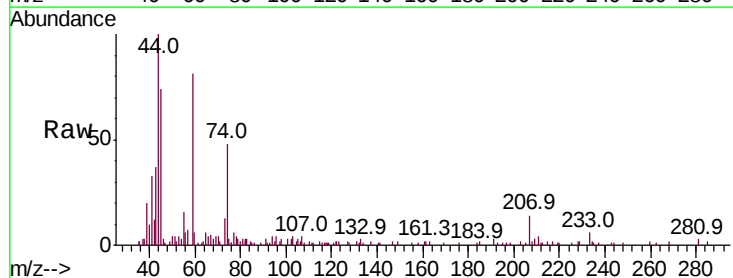
Tot Ion:101 Resp: 39268
Ion Ratio Lower Upper
101 100
103 70.9 55.0 82.6

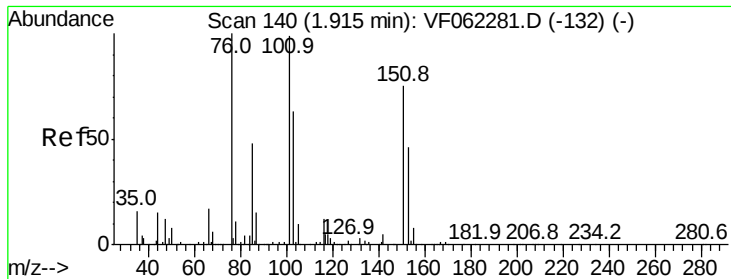


#8

Diethyl Ether
Concen: 6.242 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 74 Resp: 8847
Ion Ratio Lower Upper
74 100
45 128.6 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.924 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

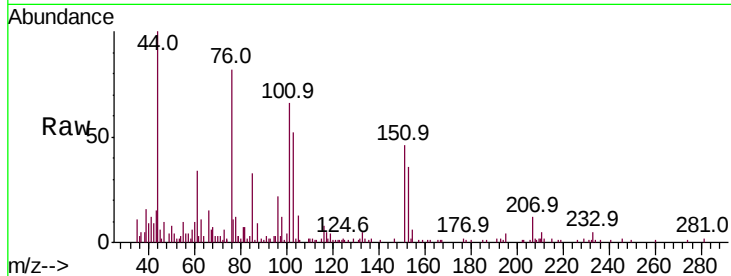
Tot Ion:101 Resp: 24339

Ion Ratio Lower Upper

101 100

85 49.8 36.5 54.7

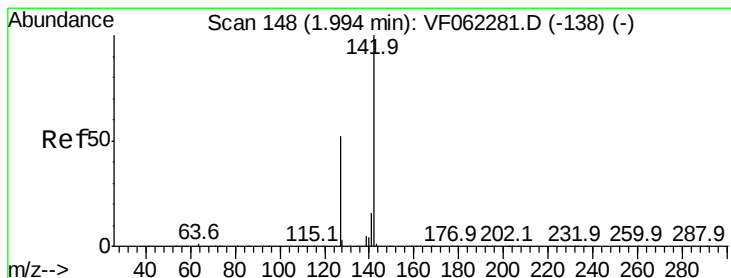
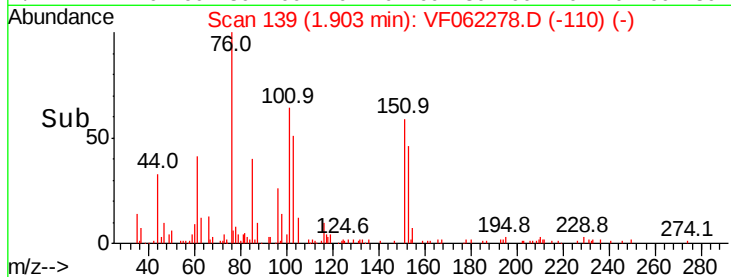
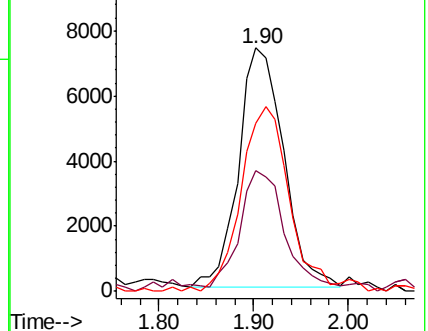
151 82.2 59.2 88.8



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: 5.319 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

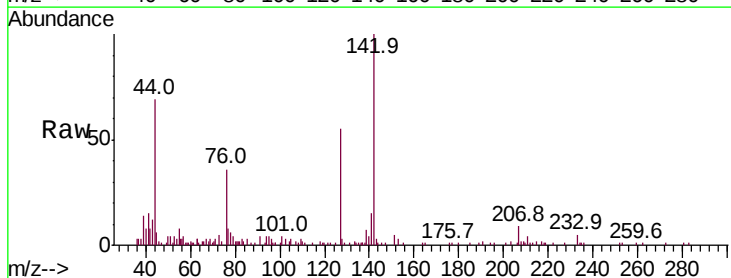
Tgt Ion:142 Resp: 45765

Ion Ratio Lower Upper

142 100

127 55.1 43.0 64.4

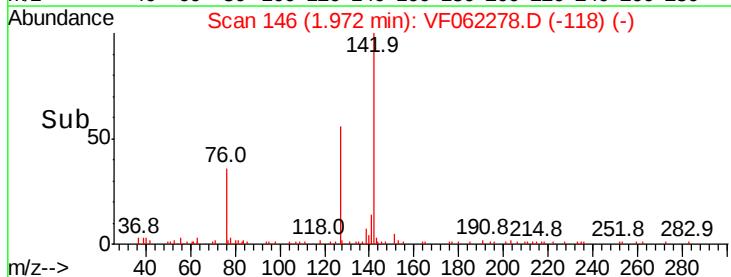
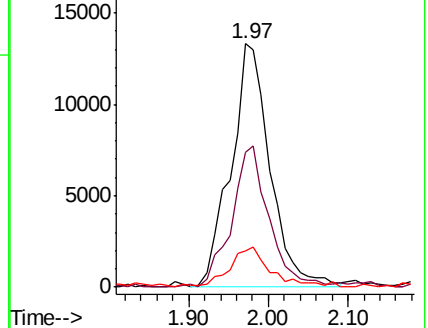
141 17.7 12.3 18.5

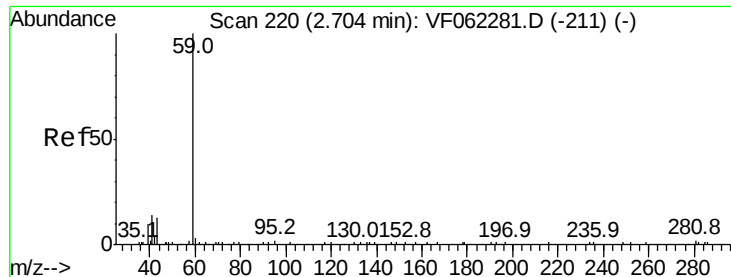


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



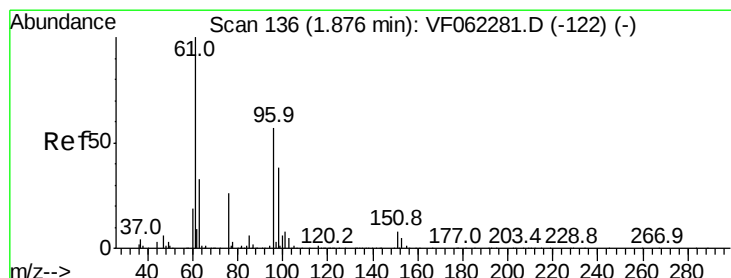
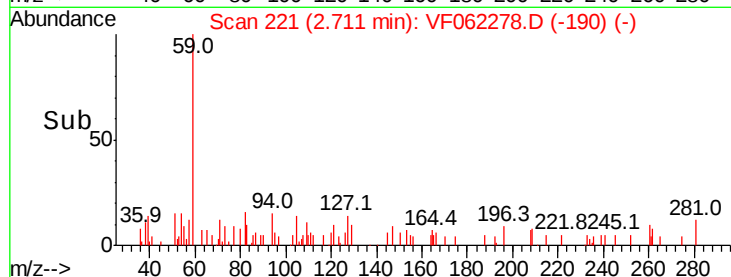
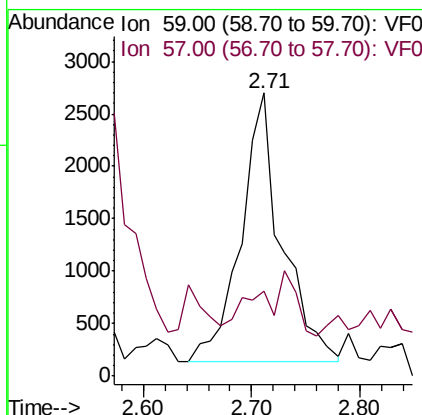
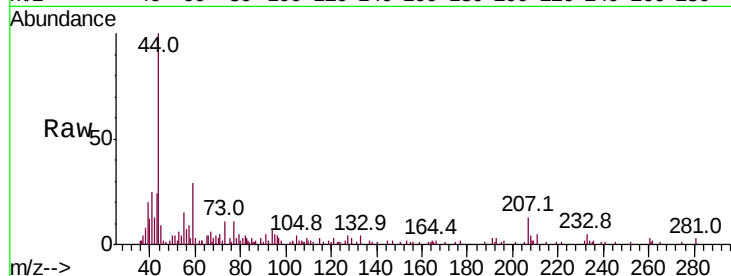


#11

Tert butyl alcohol
 Concen: 26.922 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

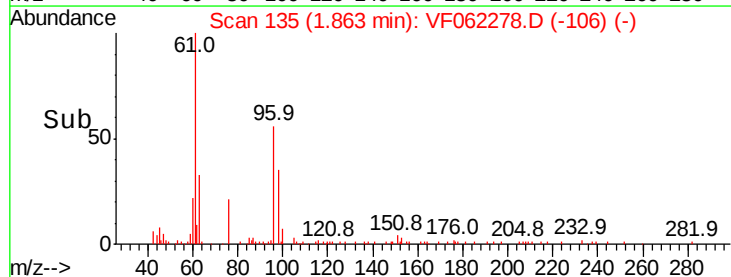
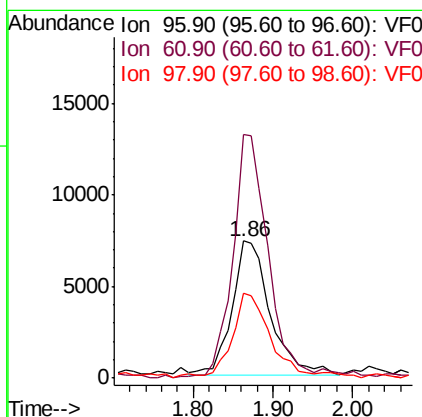
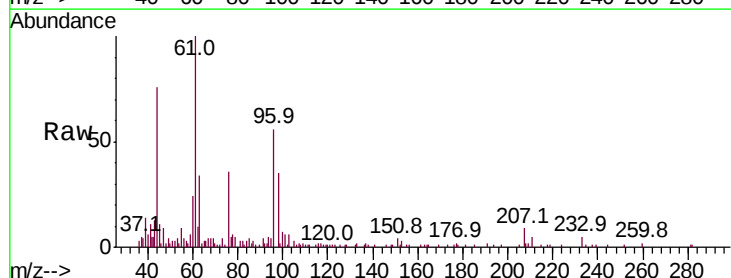
Tot Ion: 59 Resp: 6686
 Ion Ratio Lower Upper
 59 100
 57 22.8 8.8 13.2#

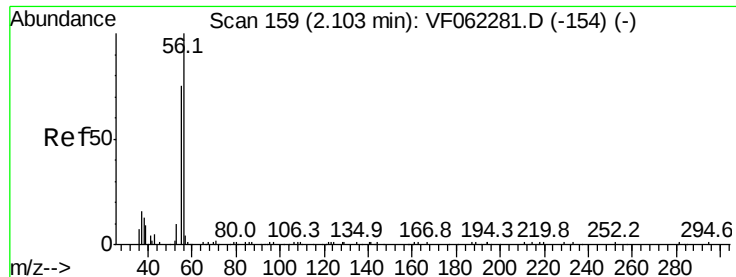


#12

1,1-Dichloroethene
 Concen: 5.358 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion: 96 Resp: 24306
 Ion Ratio Lower Upper
 96 100
 61 180.7 141.1 211.7
 98 60.9 53.4 80.0





#13

Acrolein

Concen: 26.819 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

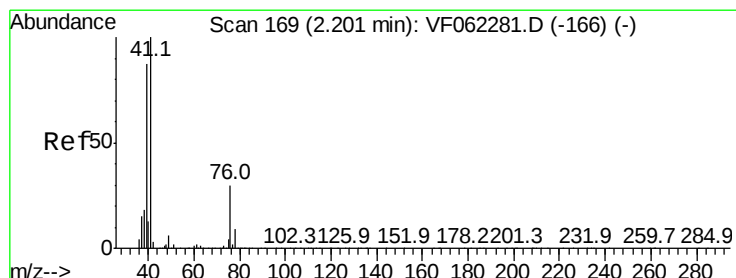
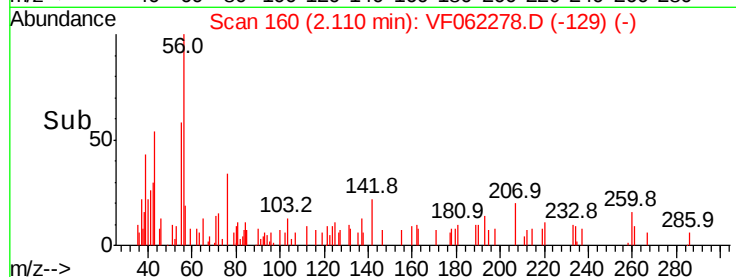
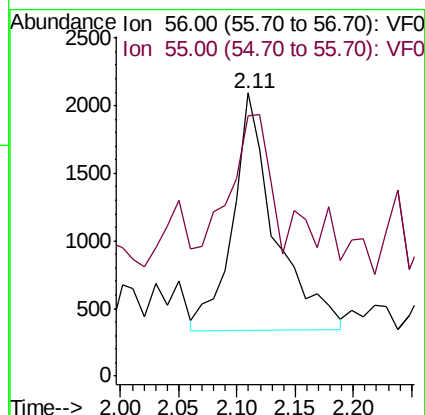
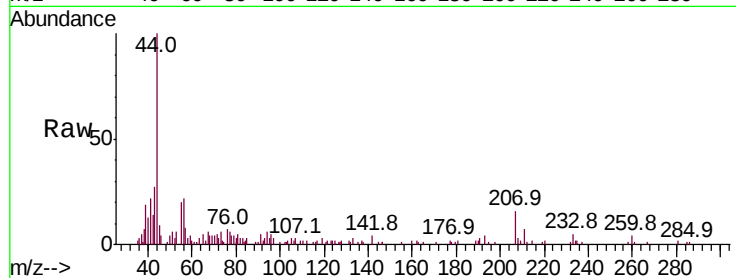
VSTDIC005

Tot Ion: 56 Resp: 4411

Ion Ratio Lower Upper

56 100

55 54.0 62.3 93.5#



#14

Allyl chloride

Concen: 5.848 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

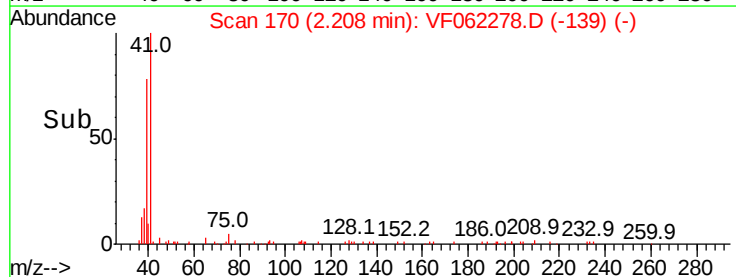
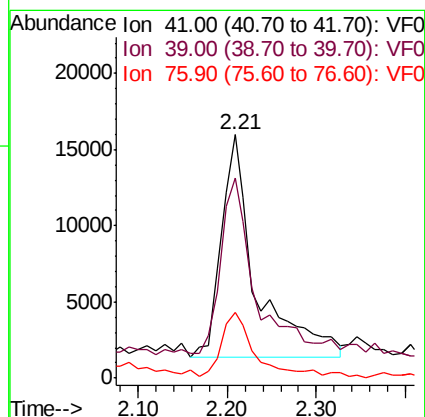
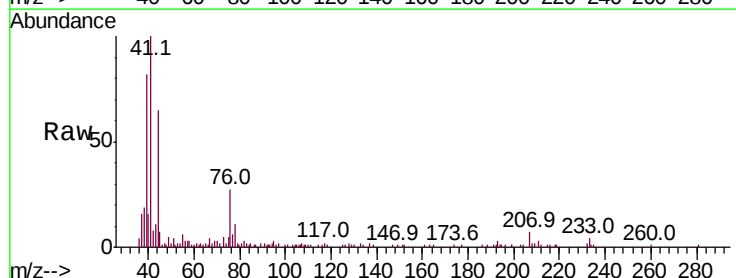
Tgt Ion: 41 Resp: 39991

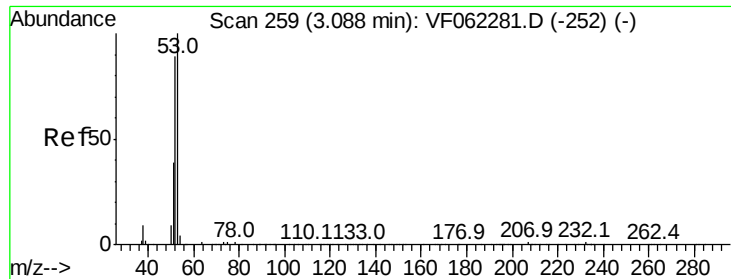
Ion Ratio Lower Upper

41 100

39 81.5 50.3 75.5#

76 30.7 14.8 22.2#





#15

Acrylonitrile

Concen: 25.930 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

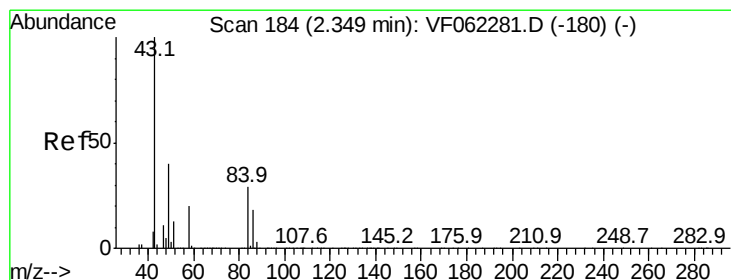
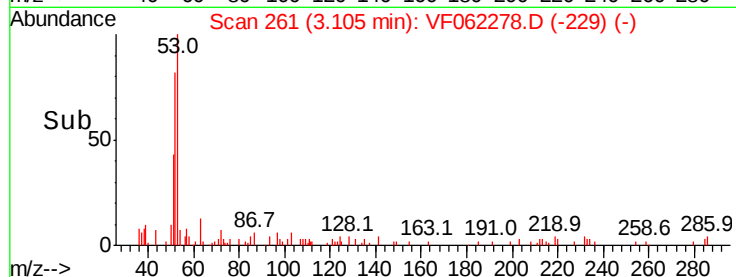
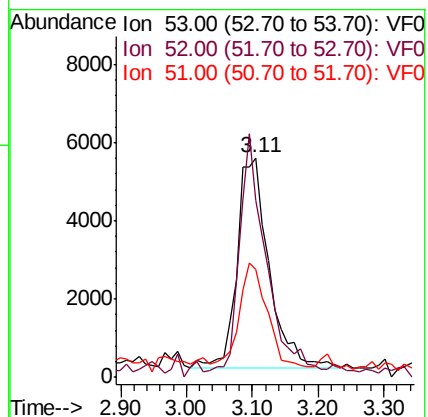
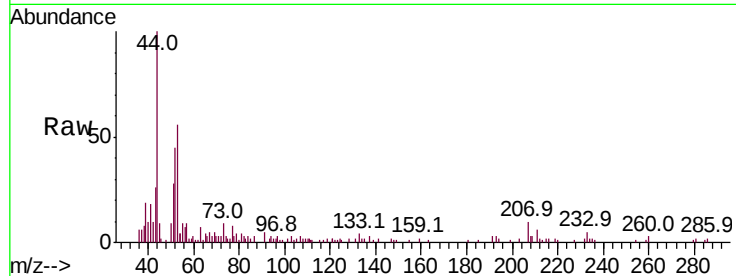
Tot Ion: 53 Resp: 18624

Ion Ratio Lower Upper

53 100

52 95.1 70.6 105.8

51 46.2 32.6 48.8



#16

Acetone

Concen: 28.038 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062278.D

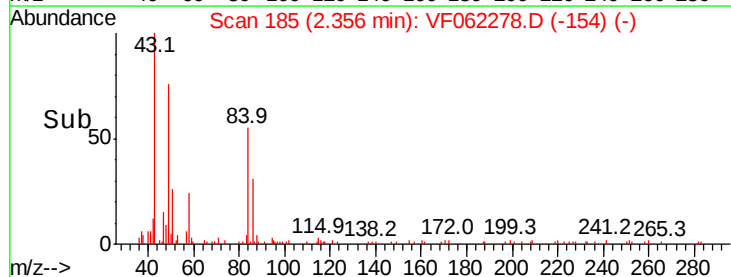
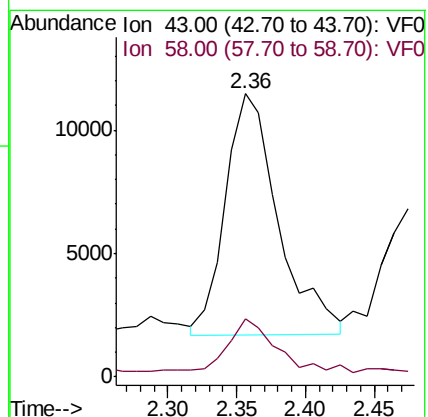
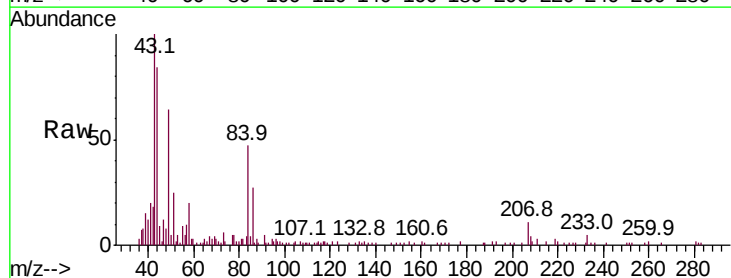
Acq: 24 Apr 2019 13:48

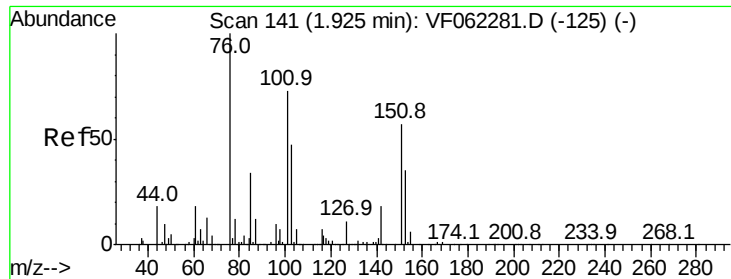
Tgt Ion: 43 Resp: 26128

Ion Ratio Lower Upper

43 100

58 21.8 16.4 24.6

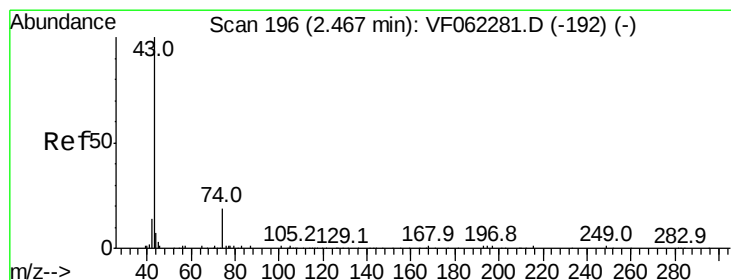
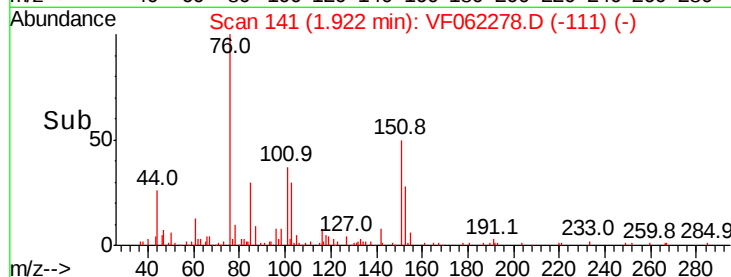
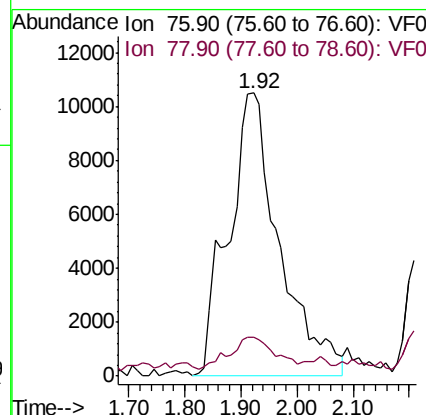
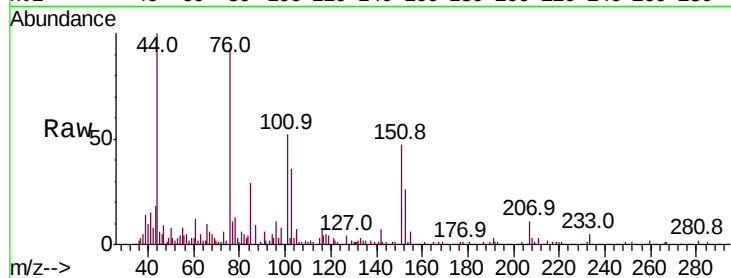




#17
Carbon Disulfide
Concen: 5.645 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

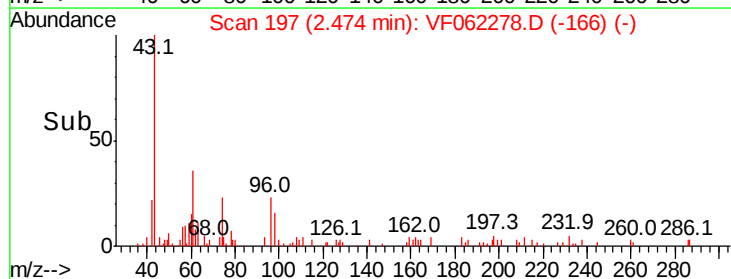
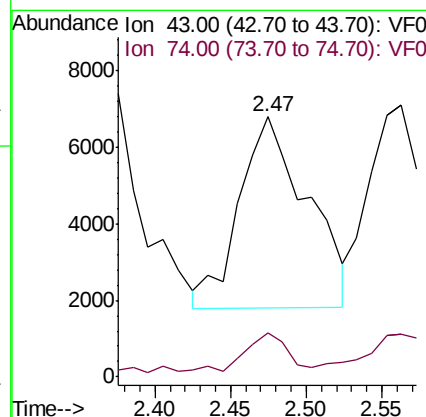
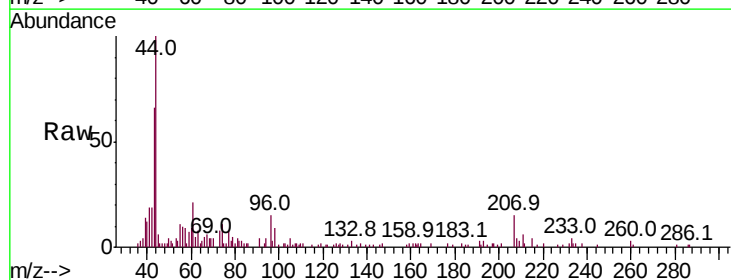
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

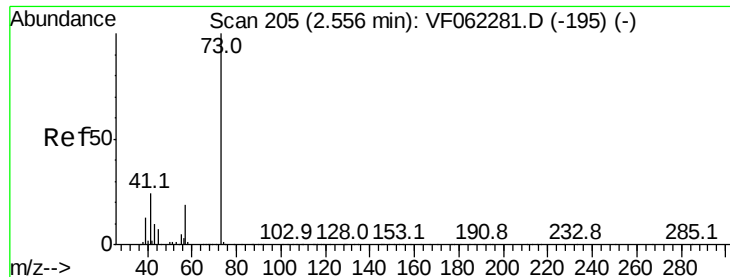
Tot Ion: 76 Resp: 66401
Ion Ratio Lower Upper
76 100
78 10.5 9.8 14.8



#18
Methyl Acetate
Concen: 6.772 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 43 Resp: 15648
Ion Ratio Lower Upper
43 100
74 10.8 14.4 21.6#

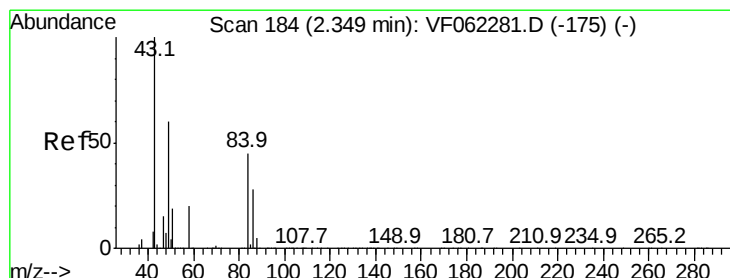
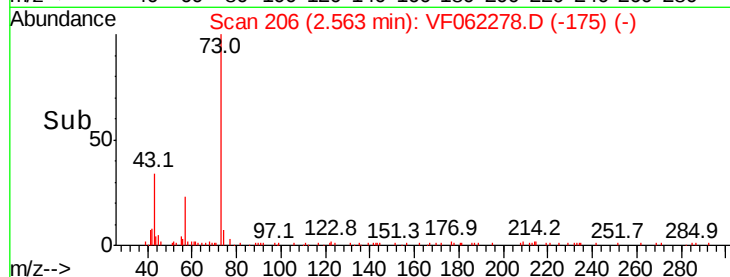
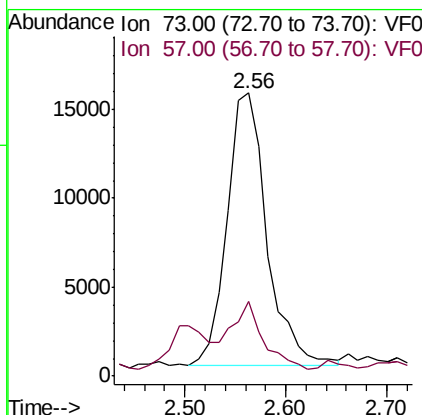
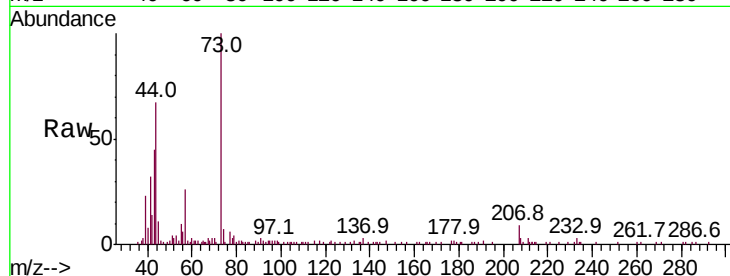




#19
Methvl tert-butvl Ether
Concen: 5.057 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

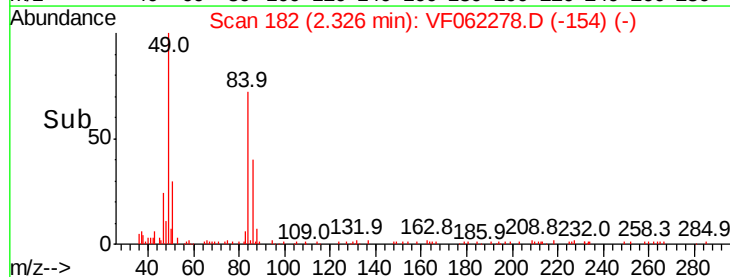
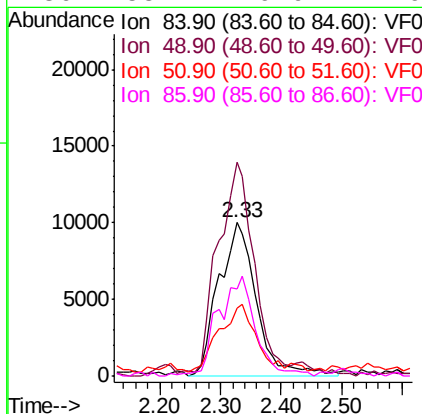
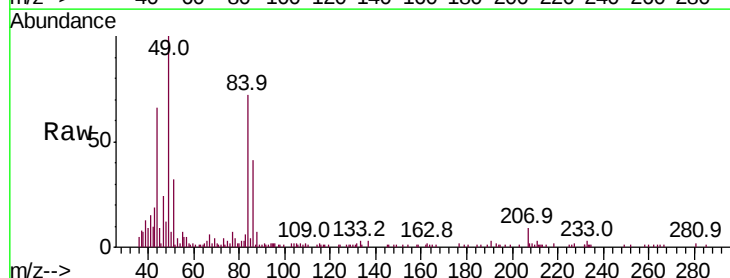
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

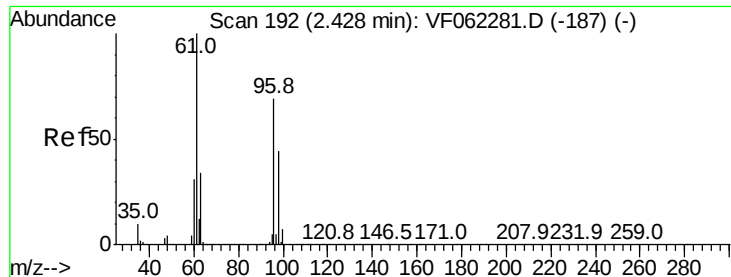
Tot Ion: 73 Resp: 42267
Ion Ratio Lower Upper
73 100
57 23.1 15.5 23.3



#20
Methylene Chloride
Concen: 7.342 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 84 Resp: 43288
Ion Ratio Lower Upper
84 100
49 138.2 112.1 168.1
51 41.8 35.9 53.9
86 55.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.567 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

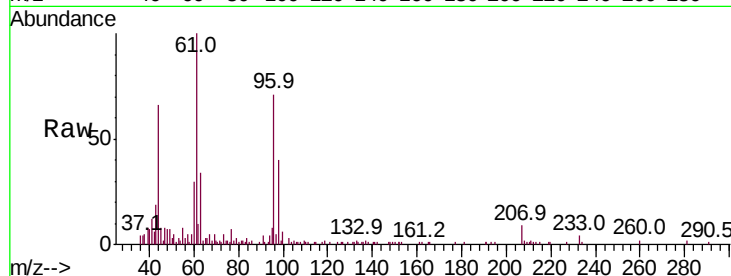
Tot Ion: 96 Resp: 24253

Ion Ratio Lower Upper

96 100

61 143.9 116.2 174.2

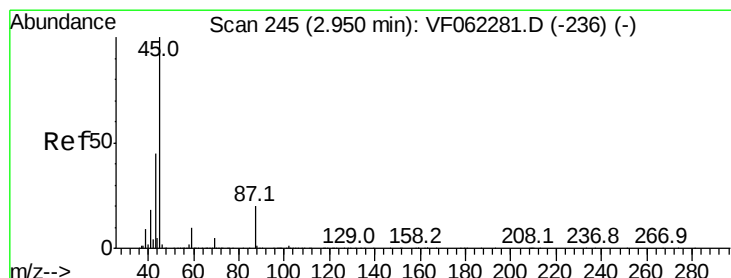
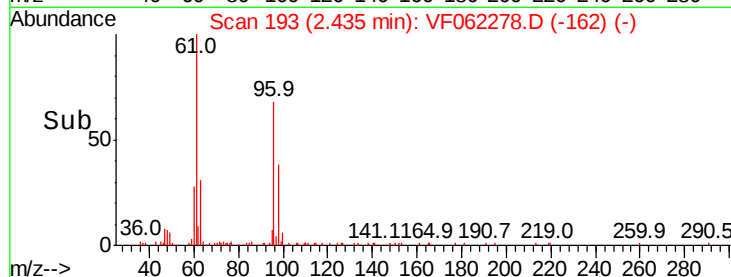
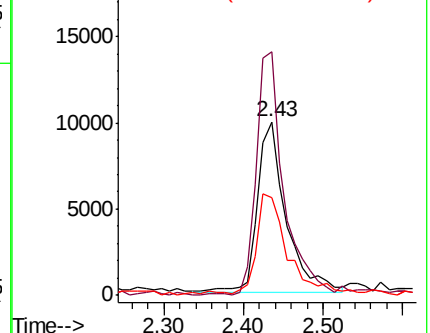
98 55.3 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 5.257 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion: 45 Resp: 68433

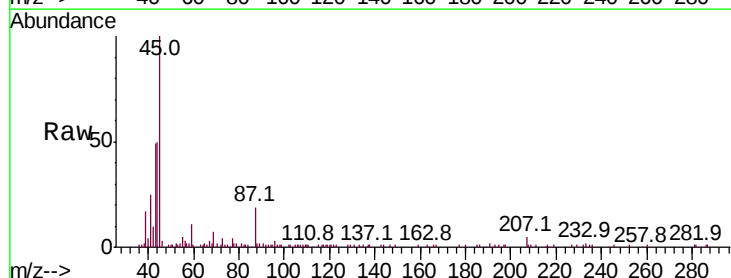
Ion Ratio Lower Upper

45 100

43 40.5 36.2 54.2

87 19.1 15.8 23.6

59 10.2 7.8 11.8

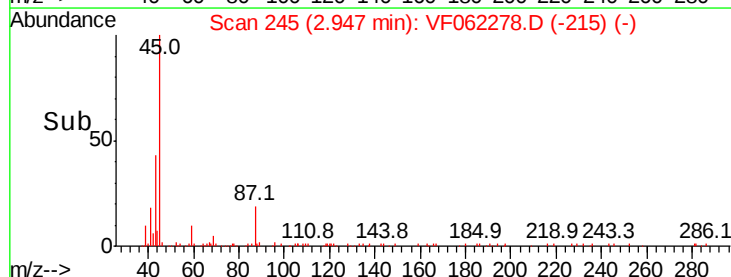
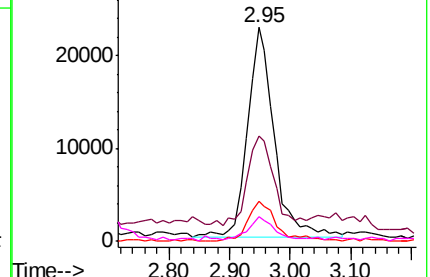


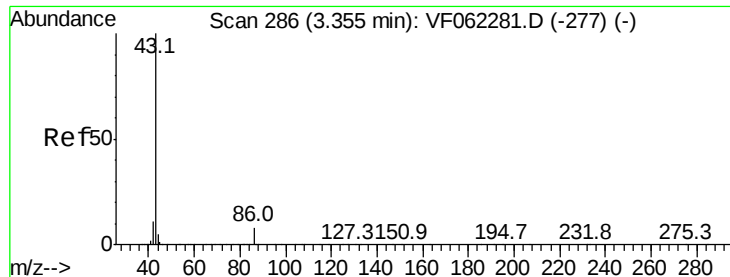
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 25.245 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

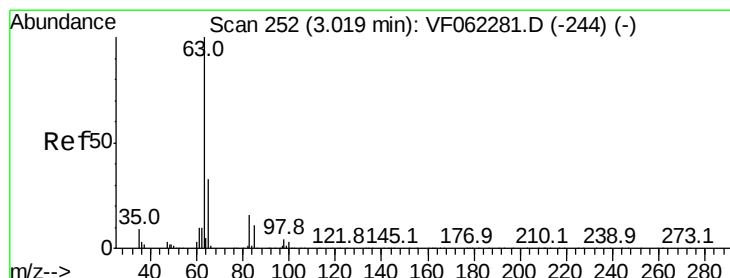
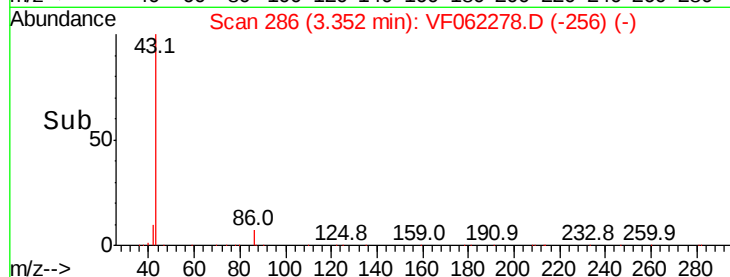
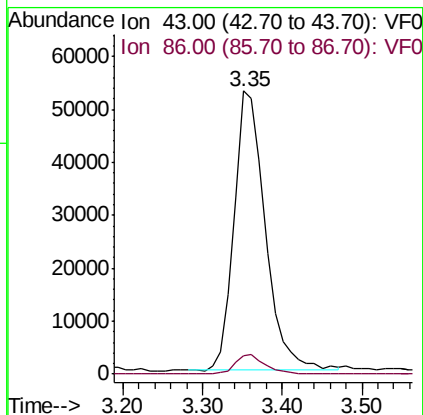
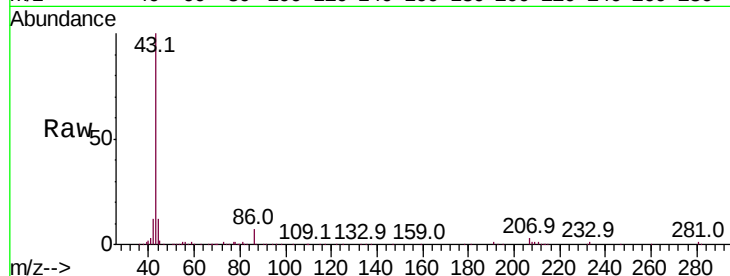
VSTDIC005

Tot Ion: 43 Resp: 142368

Ion Ratio Lower Upper

43 100

86 6.7 6.0 9.0



#24

1,1-Dichloroethane

Concen: 5.125 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

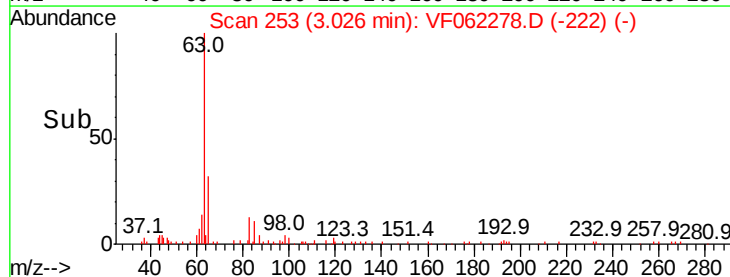
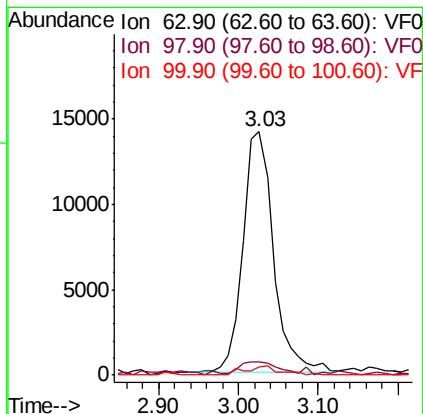
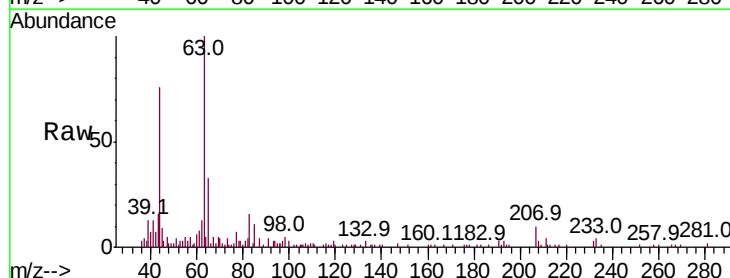
Tgt Ion: 63 Resp: 37422

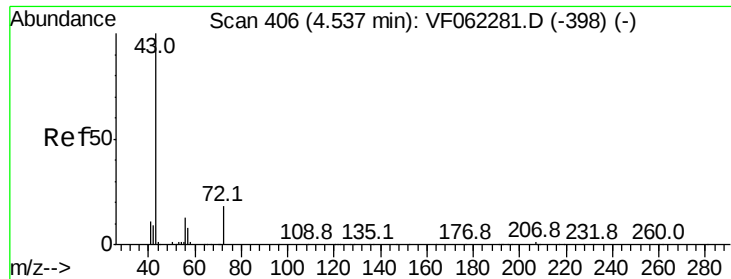
Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.2

100 3.1 1.5 4.5





#25

2-Butanone

Concen: 27.807 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

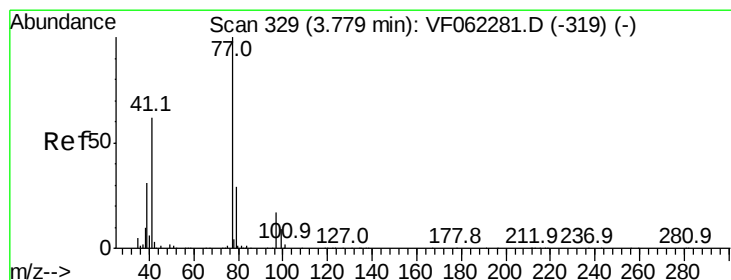
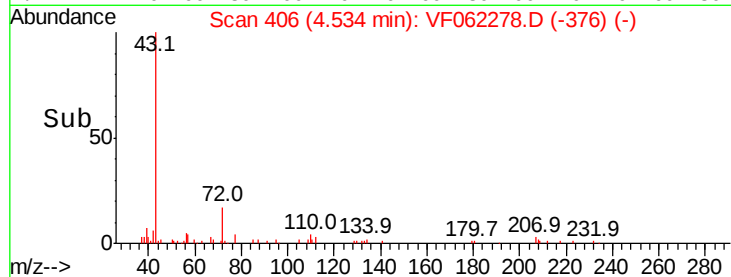
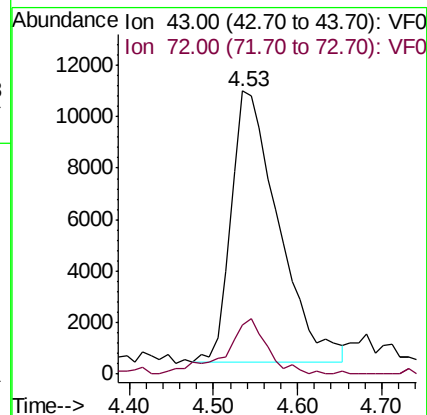
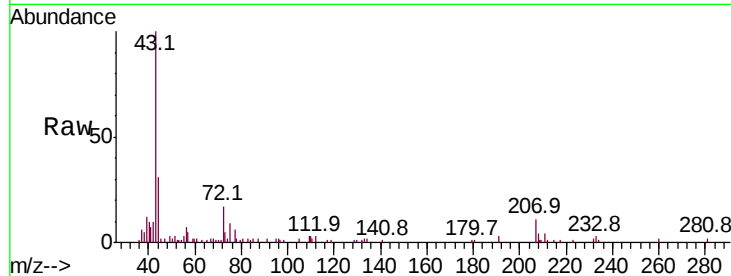
VSTDIC005

Tot Ion: 43 Resp: 41070

Ion Ratio Lower Upper

43 100

72 17.1 15.8 23.6



#26

2,2-Dichloropropane

Concen: 5.244 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062278.D

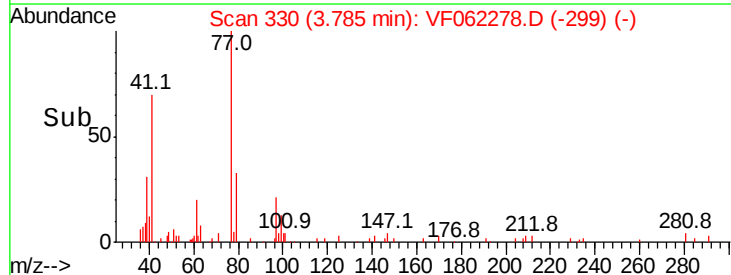
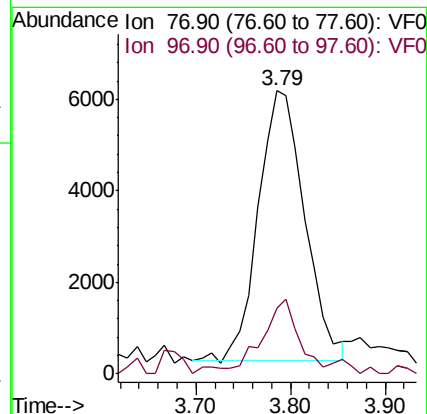
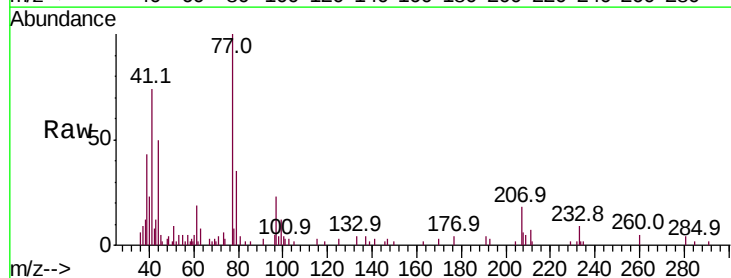
Acq: 24 Apr 2019 13:48

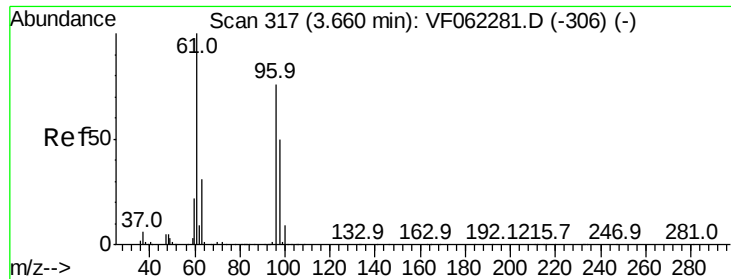
Tgt Ion: 77 Resp: 20001

Ion Ratio Lower Upper

77 100

97 18.4 10.3 30.8



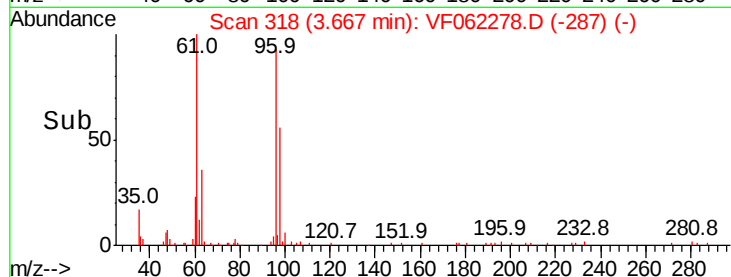
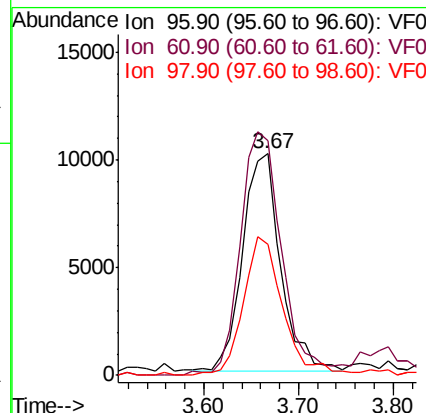
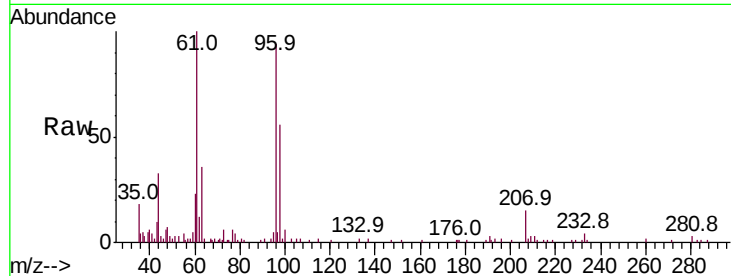


#27

cis-1,2-Dichloroethene
Concen: 5.039 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

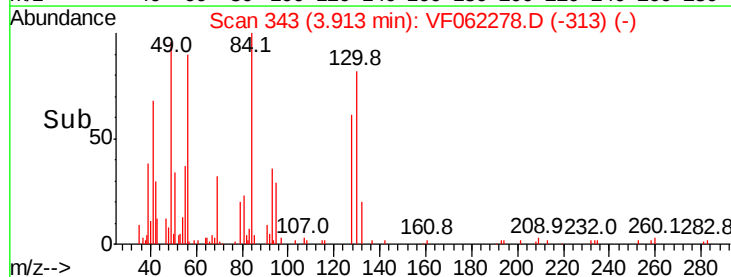
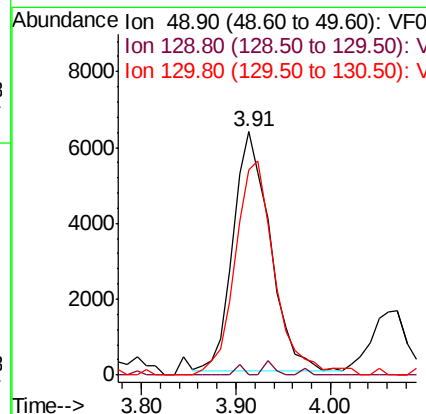
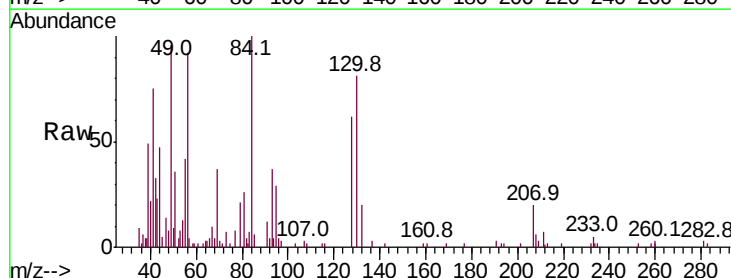
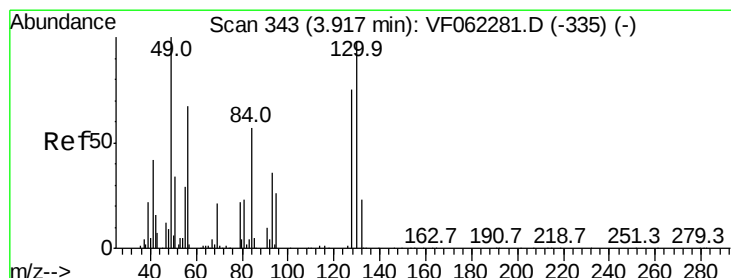
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	0.0	257.6
98	66.3	0.0	137.4

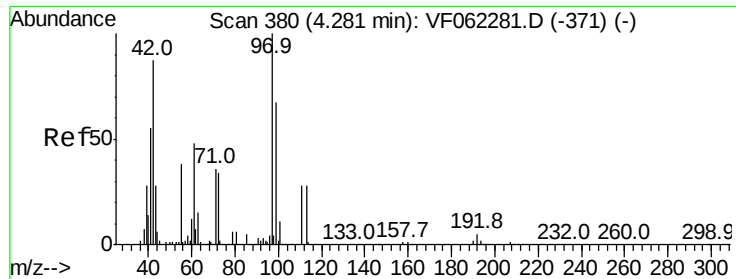


#28

Bromochloromethane
Concen: 5.356 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	0.0#
130	95.8	77.0	115.4





#29

Tetrahydrofuran

Concen: 27.735 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

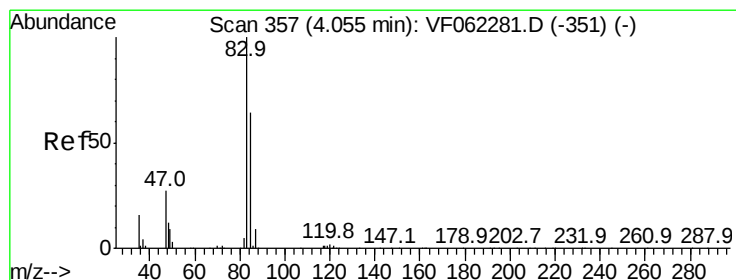
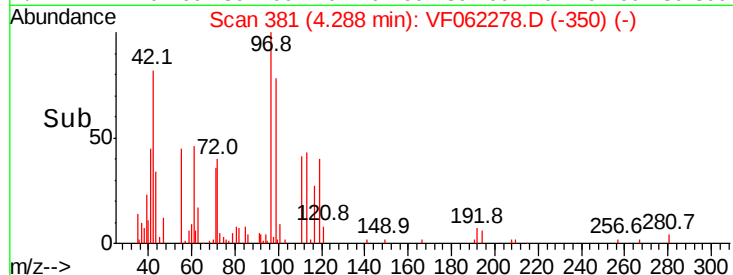
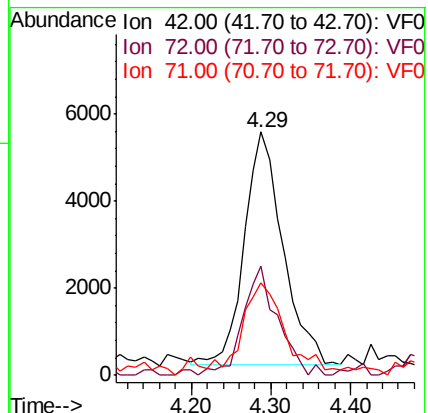
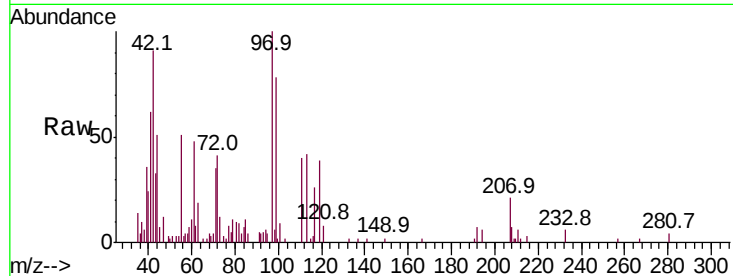
Tot Ion: 42 Resp: 17854

Ion Ratio Lower Upper

42 100

72 42.0 29.3 43.9

71 39.8 31.2 46.8



#30

Chloroform

Concen: 4.869 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.02 min

Lab File: VF062278.D

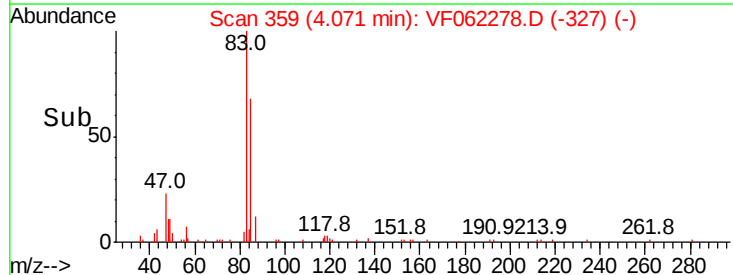
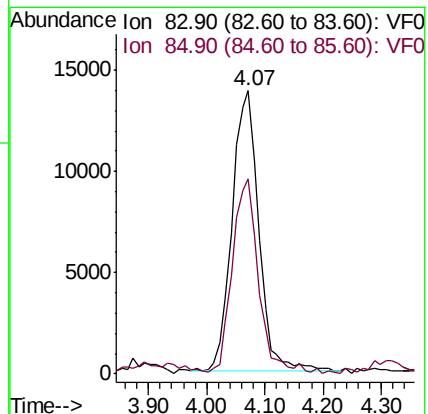
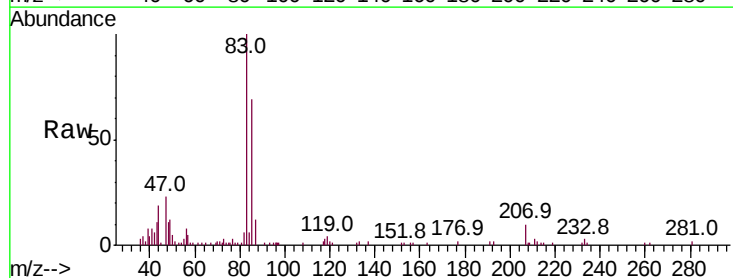
Acq: 24 Apr 2019 13:48

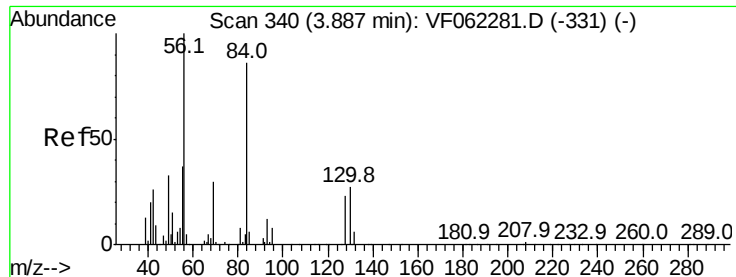
Tgt Ion: 83 Resp: 44346

Ion Ratio Lower Upper

83 100

85 69.4 51.1 76.7





#31

Cyclohexane

Concen: 5.216 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

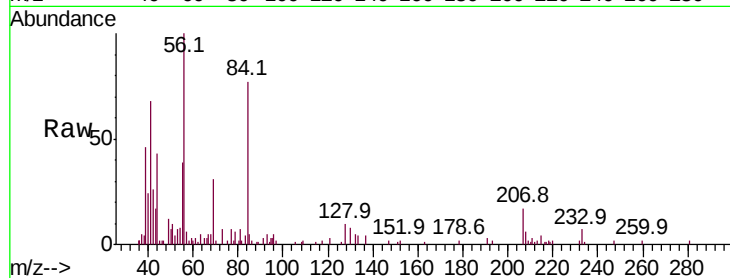
Tot Ion: 56 Resp: 36844

Ion Ratio Lower Upper

56 100

69 29.6 24.3 36.5

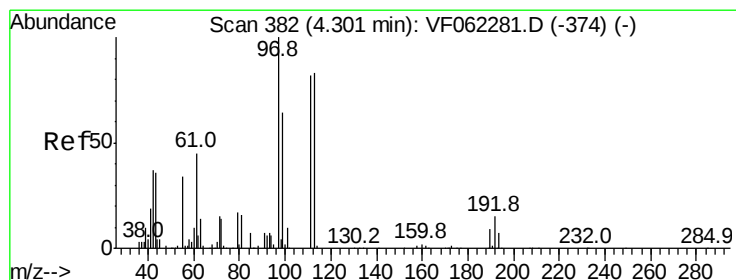
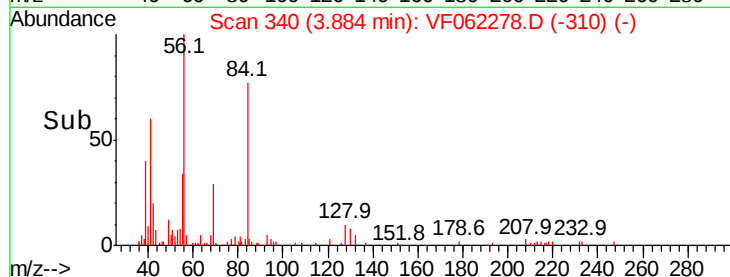
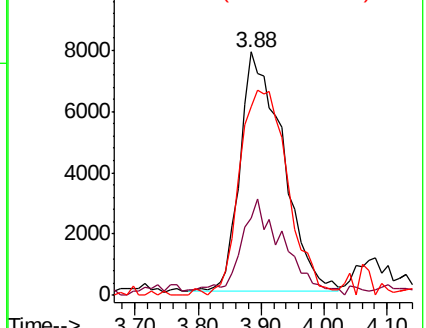
84 78.8 68.5 102.7



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: 5.810 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

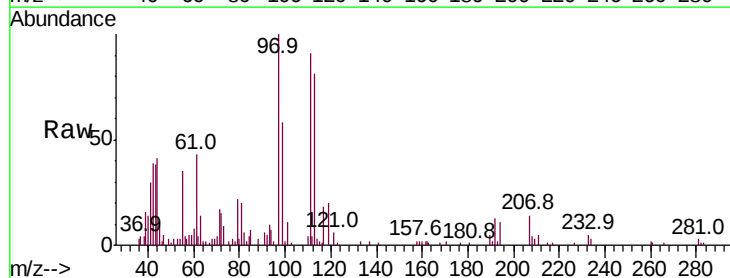
Tgt Ion: 97 Resp: 39409

Ion Ratio Lower Upper

97 100

99 60.1 41.6 62.4

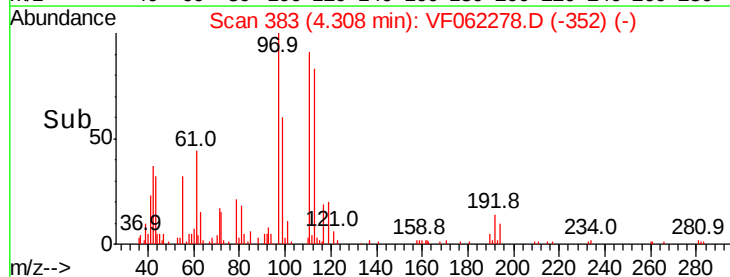
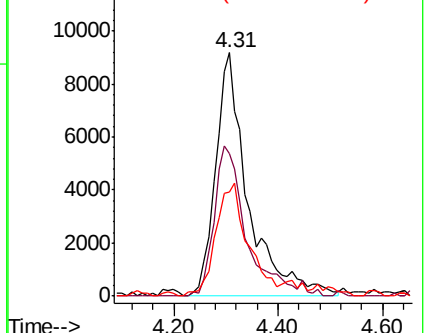
61 45.4 31.6 47.4

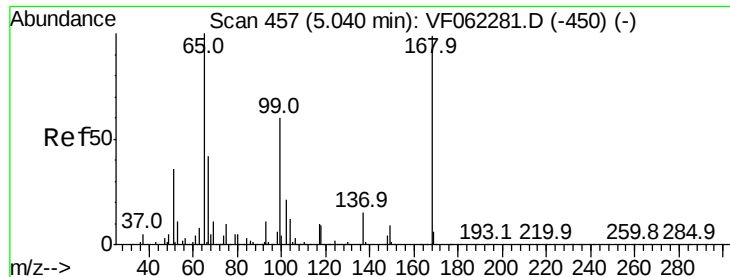


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 5.622 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

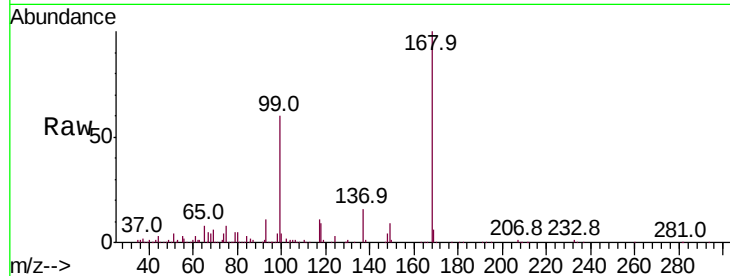
VSTDIC005

Tot Ion: 65 Resp: 23448

Ion Ratio Lower Upper

65 100

67 64.5 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

10000

8000

6000

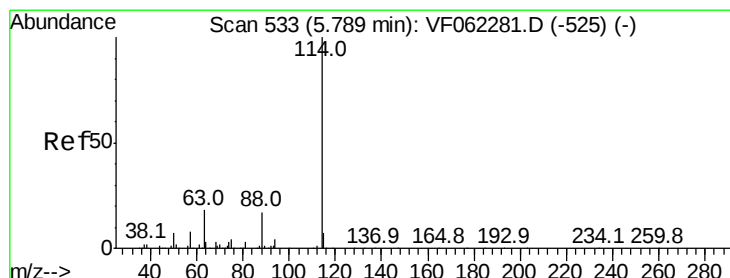
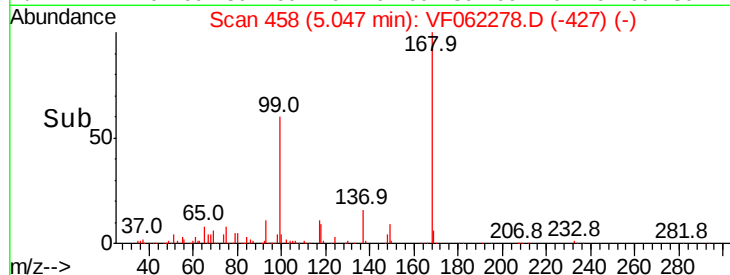
4000

2000

0

5.05

Time--> 4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

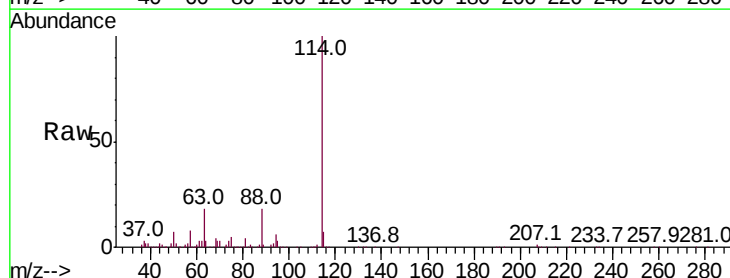
Tgt Ion: 114 Resp: 698938

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 18.1 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

300000

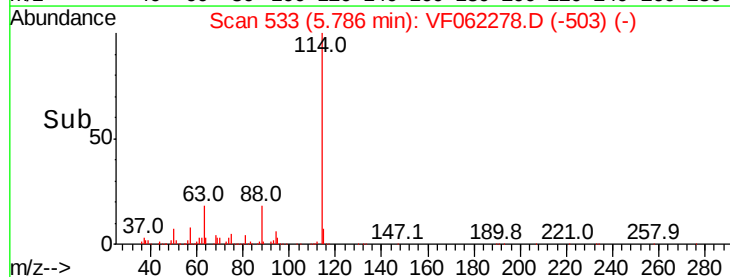
200000

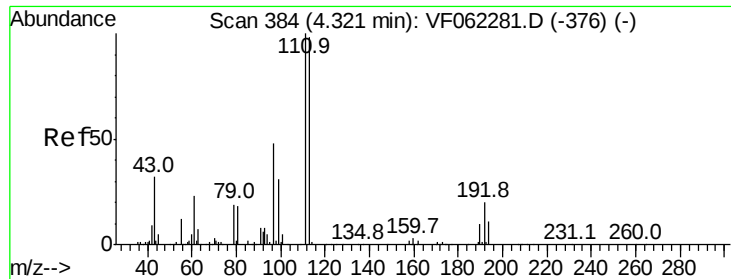
100000

0

5.79

Time--> 5.60 5.80 6.00

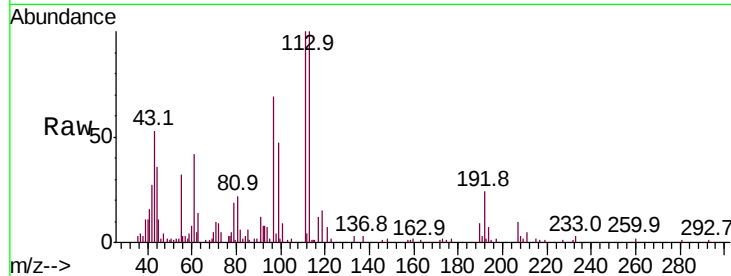




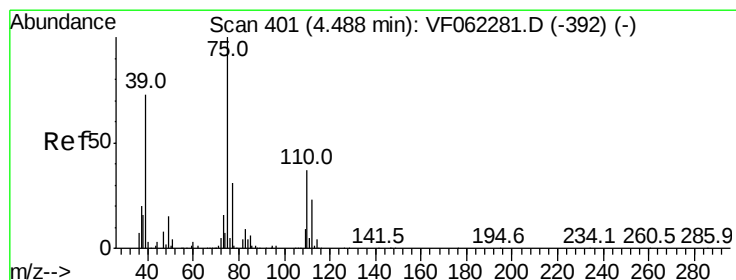
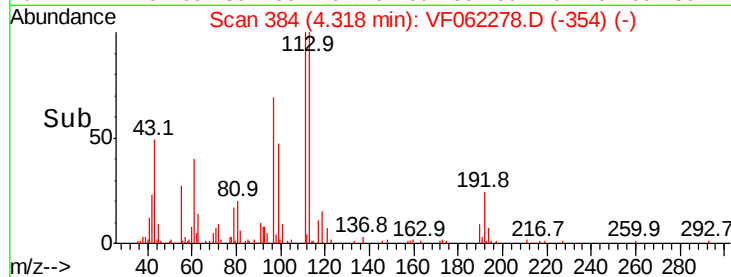
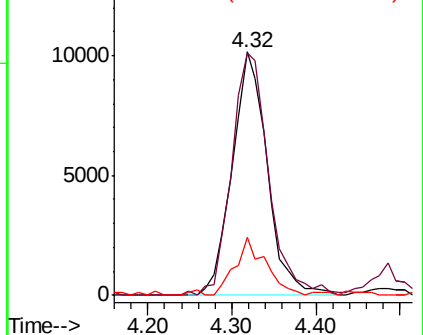
#35
 Dibromofluoromethane
 Concen: 5.554 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 29541
 Ion Ratio Lower Upper
 113 100
 111 105.7 81.4 122.2
 192 20.5 17.0 25.4

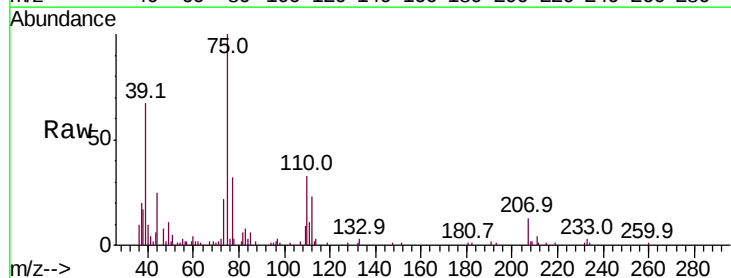


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

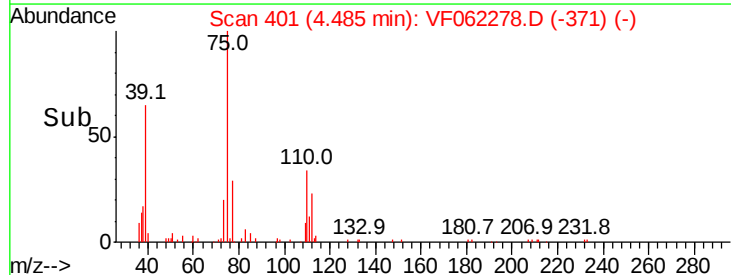
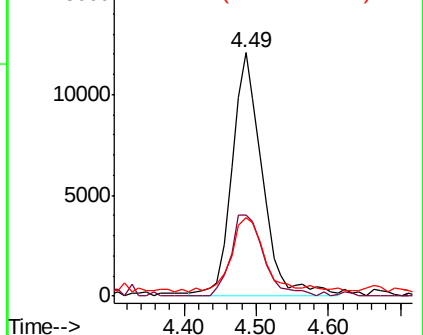


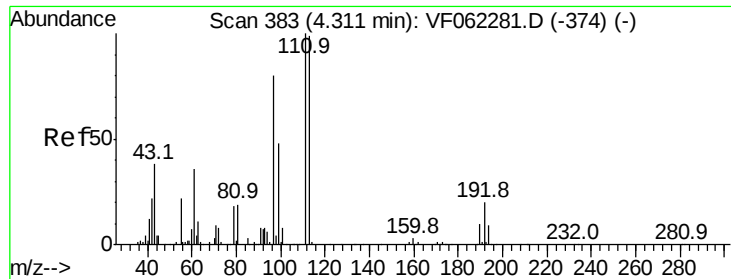
#36
 1,1-Dichloropropene
 Concen: 5.311 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion: 75 Resp: 35258
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.9 53.8
 77 33.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VF0

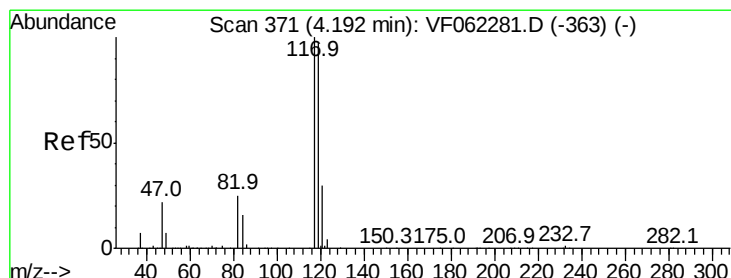
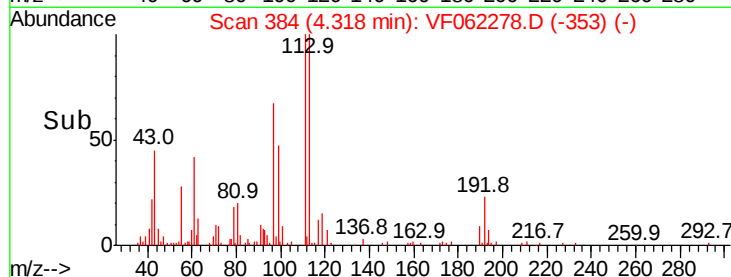
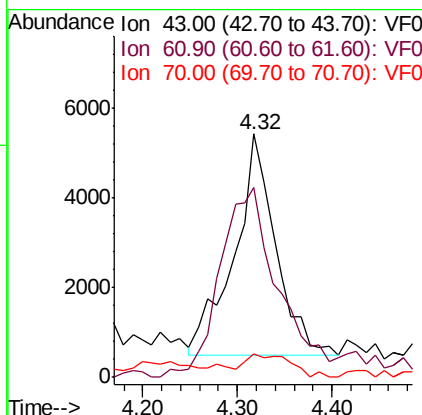
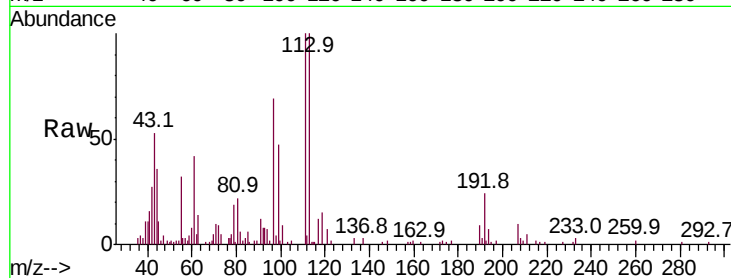




#37
Ethyl Acetate
Concen: 5.554 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

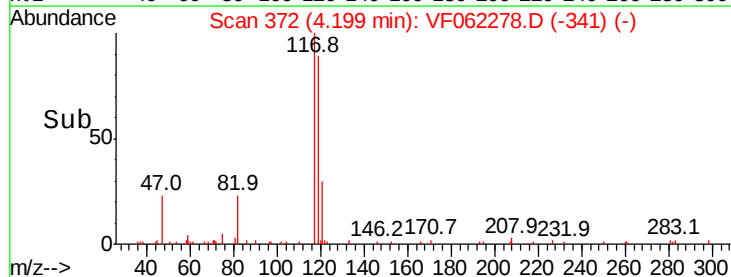
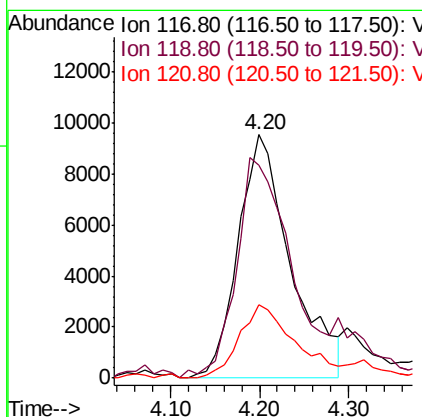
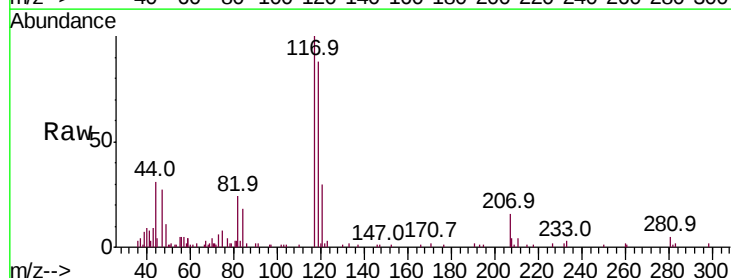
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

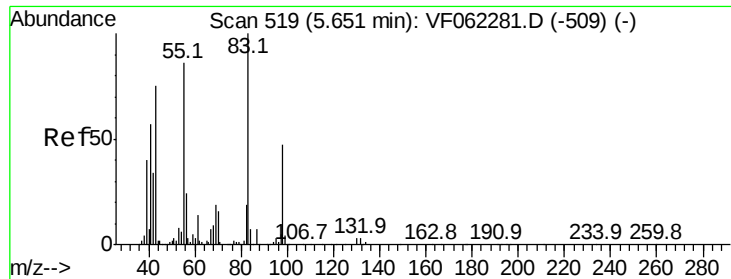
Tot Ion: 43 Resp: 15137
Ion Ratio Lower Upper
43 100
61 118.3 85.8 128.6
70 11.4 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 117 Resp: 39248
Ion Ratio Lower Upper
117 100
119 84.5 77.3 115.9
121 30.1 24.3 36.5

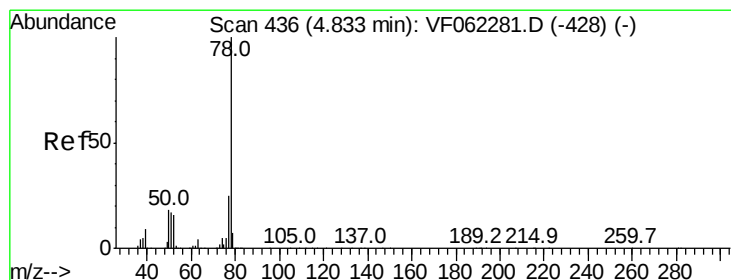
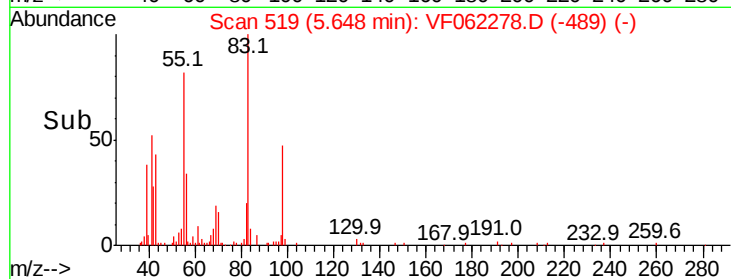
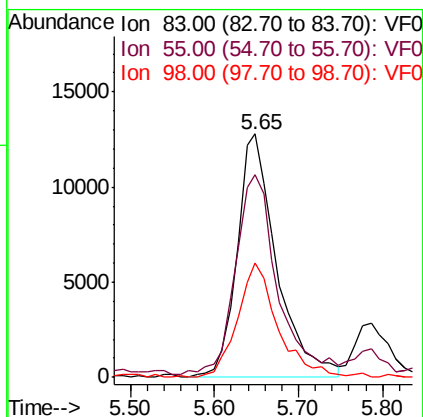
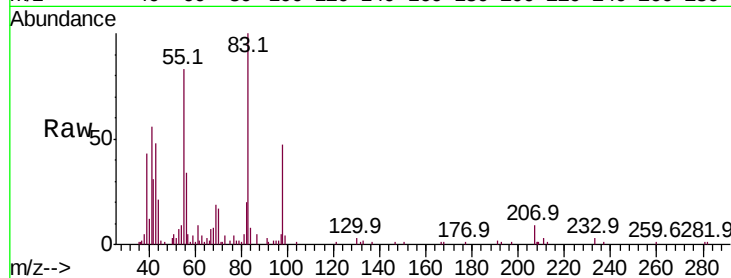




#39
Methvlcvclohexane
Concen: 5.351 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

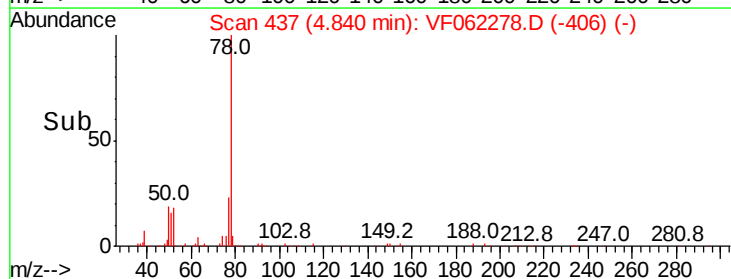
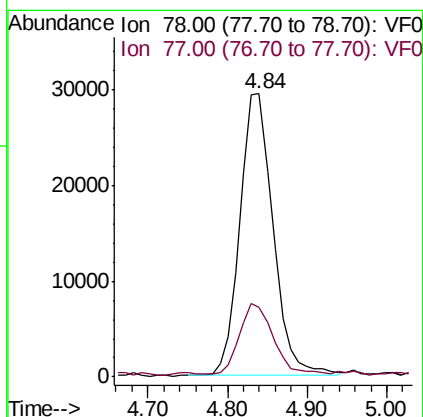
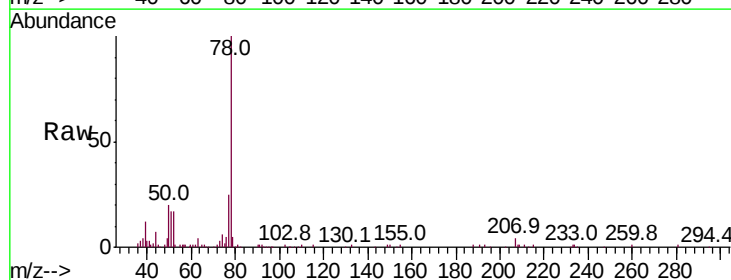
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

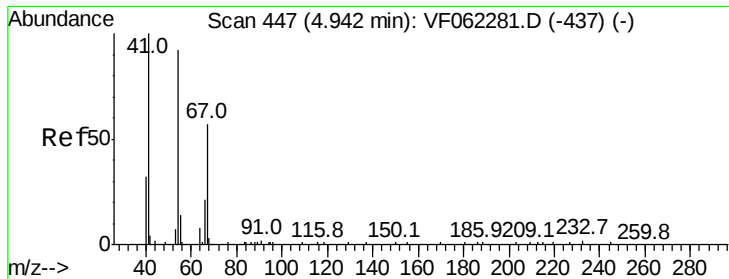
Tot Ion: 83 Resp: 41862
Ion Ratio Lower Upper
83 100
55 80.6 68.7 103.1
98 46.8 37.4 56.2



#40
Benzene
Concen: 5.313 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 78 Resp: 85065
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5

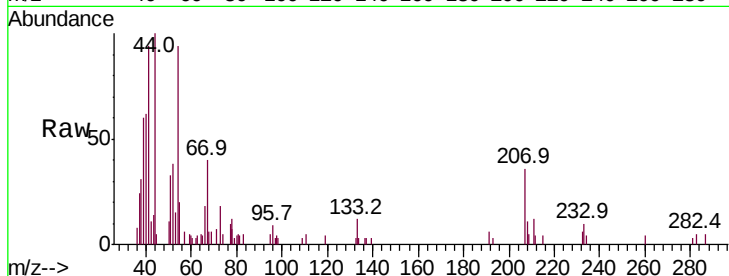




#41
Methacrylonitrile
Concen: 5.236 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.3	70.9#
67	0.0	41.3	61.9#
52	64.9	49.4	74.2



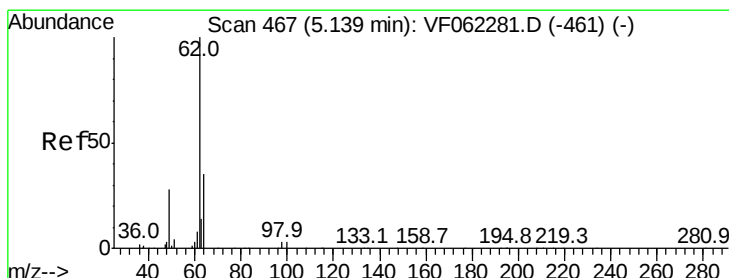
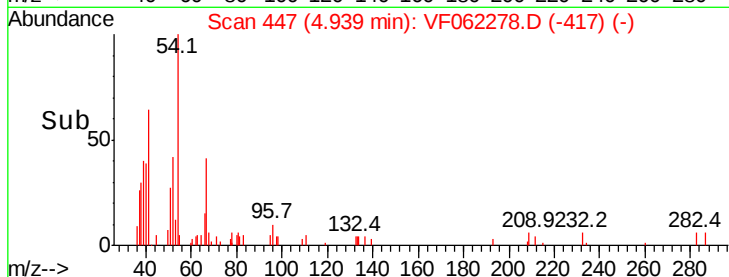
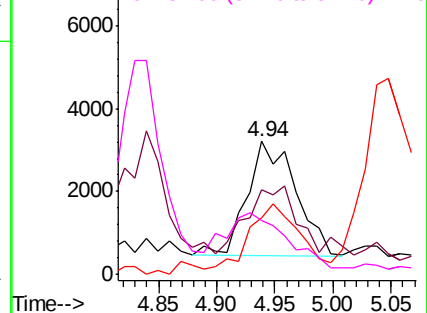
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

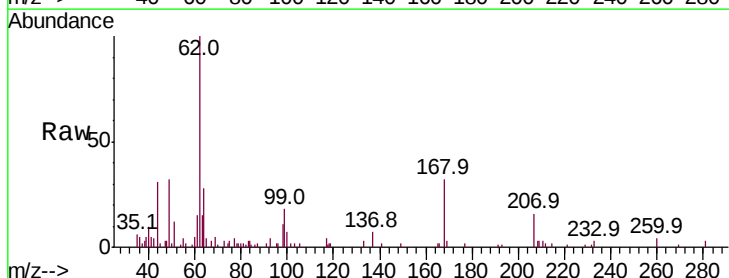
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 5.067 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

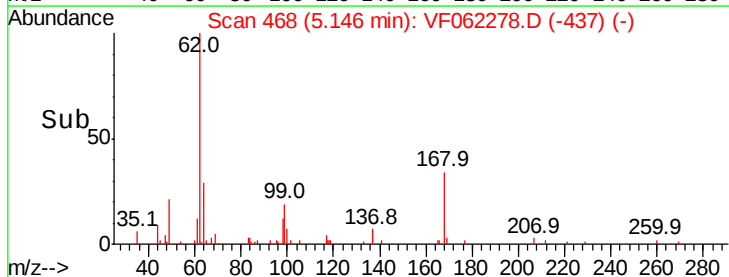
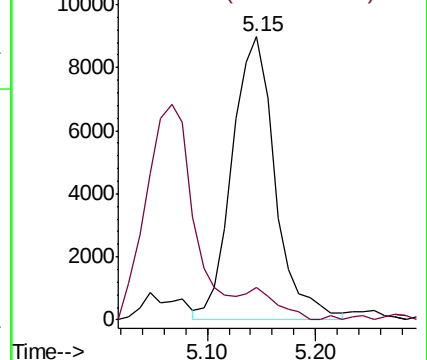
Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8

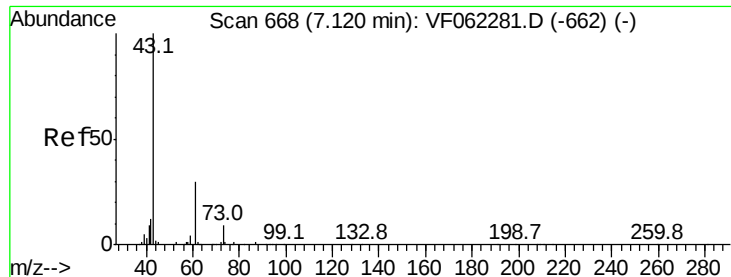


Abundance

Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 6.636 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

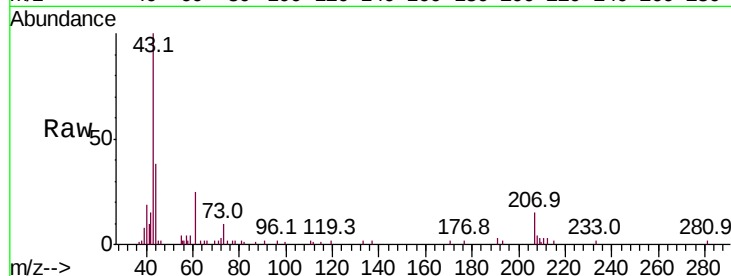
Tot Ion: 43 Resp: 19078

Ion Ratio Lower Upper

43 100

61 29.0 23.8 35.6

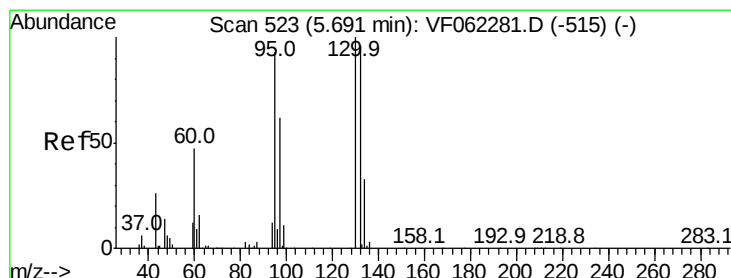
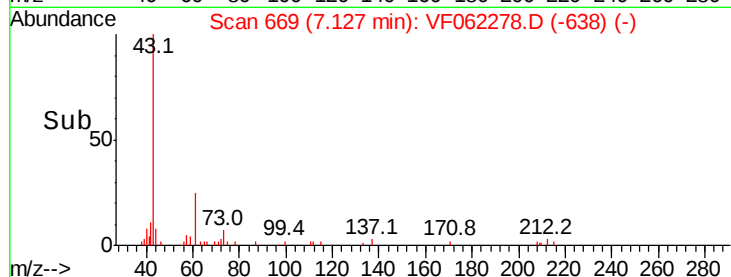
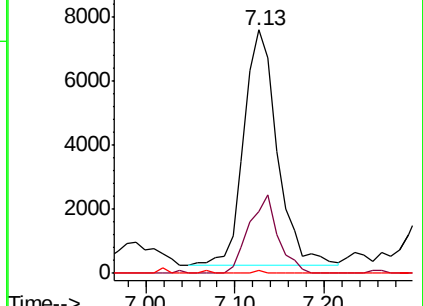
87 0.3 0.5 0.7#



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: 5.322 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062278.D

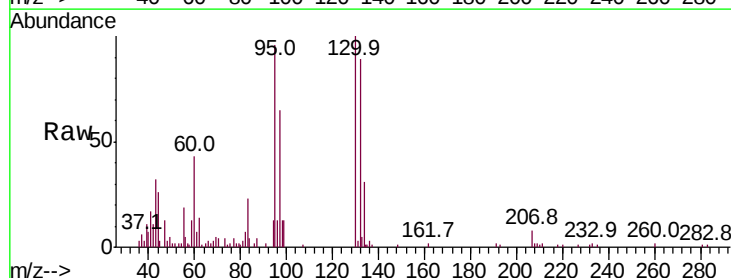
Acq: 24 Apr 2019 13:48

Tgt Ion:130 Resp: 28819

Ion Ratio Lower Upper

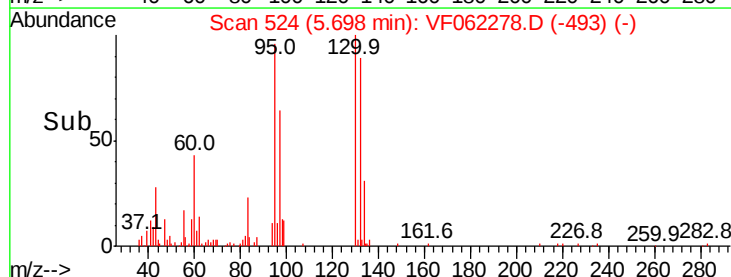
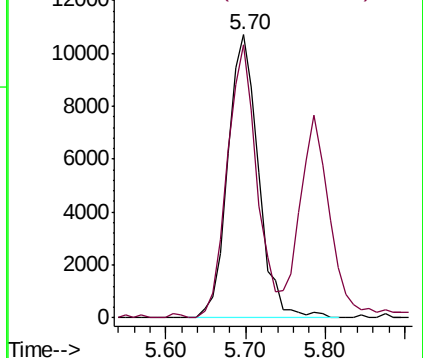
130 100

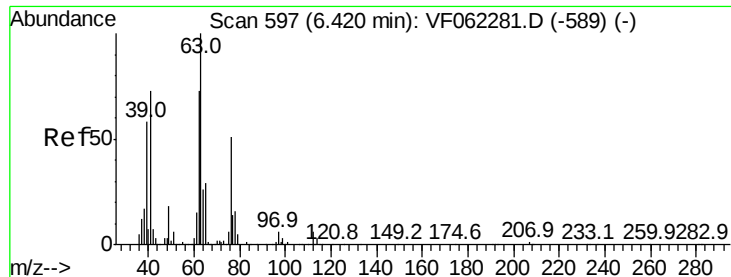
95 96.5 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.583 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

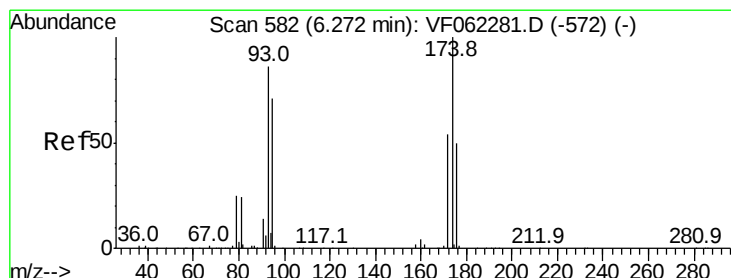
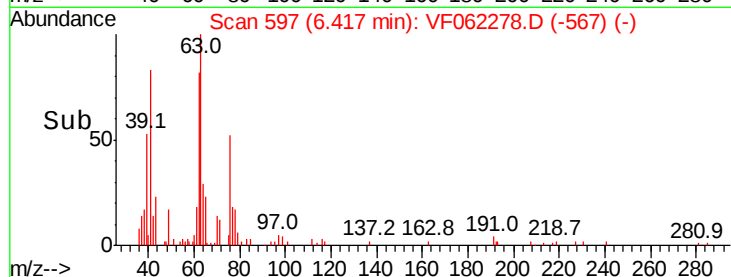
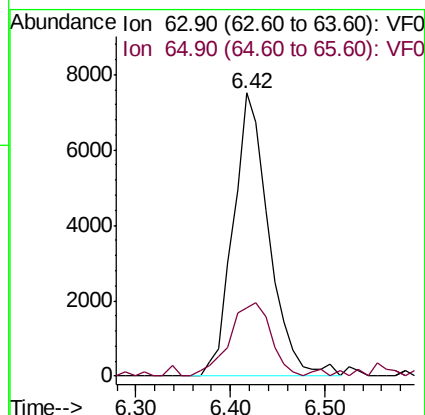
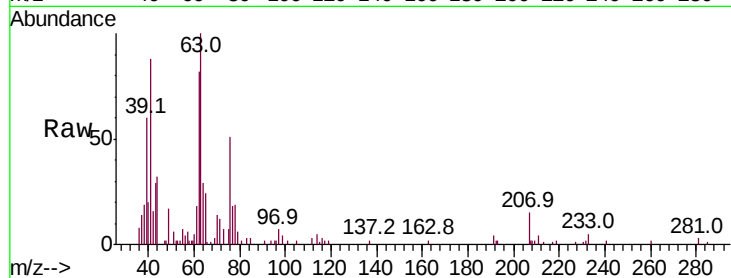
VSTDIC005

Tot Ion: 63 Resp: 19691

Ion Ratio Lower Upper

63 100

65 24.1 23.5 35.3



#46

Dibromomethane

Concen: 5.230 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

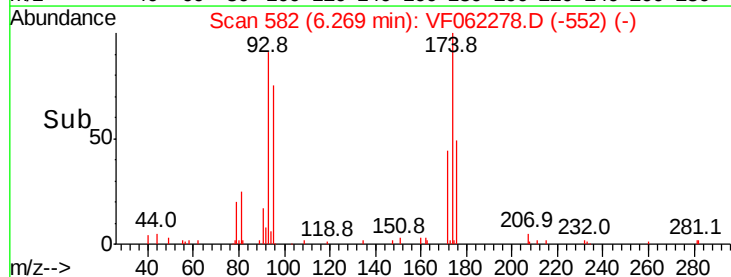
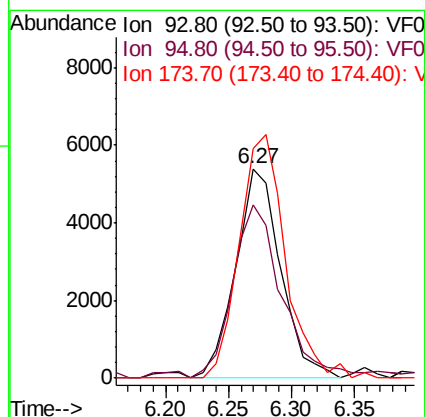
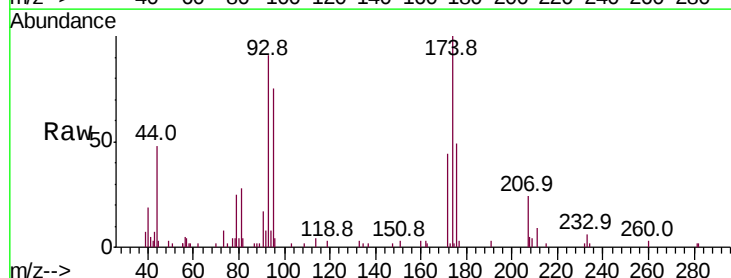
Tgt Ion: 93 Resp: 13361

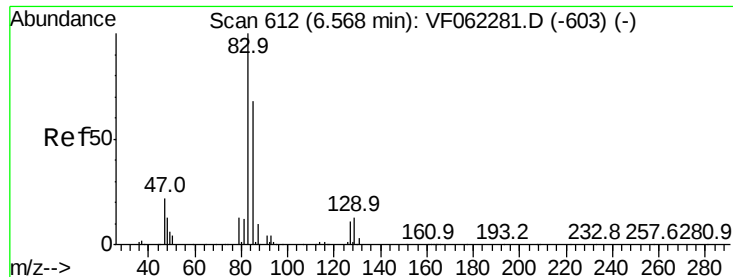
Ion Ratio Lower Upper

93 100

95 92.0 66.2 99.4

174 119.2 94.9 142.3





#47

Bromodichloromethane

Concen: 5.553 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

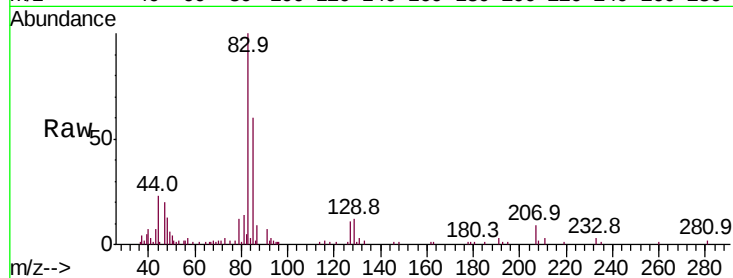
Tot Ion: 83 Resp: 33399

Ion Ratio Lower Upper

83 100

85 60.4 54.6 81.8

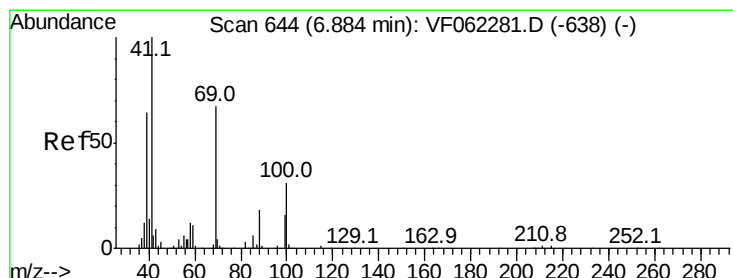
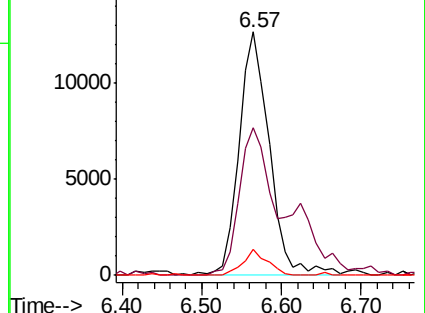
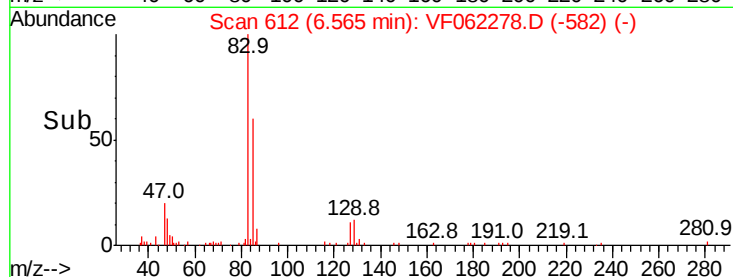
127 10.9 8.7 13.1



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: 5.857 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

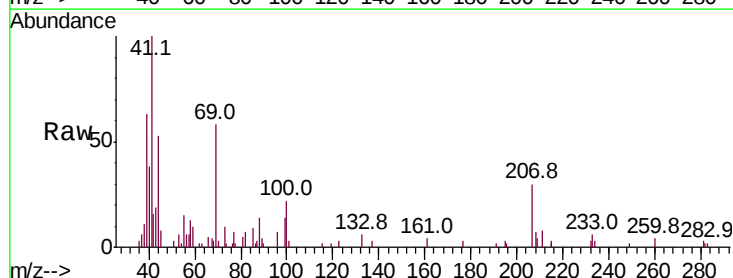
Tgt Ion: 41 Resp: 11554

Ion Ratio Lower Upper

41 100

69 72.4 53.4 80.2

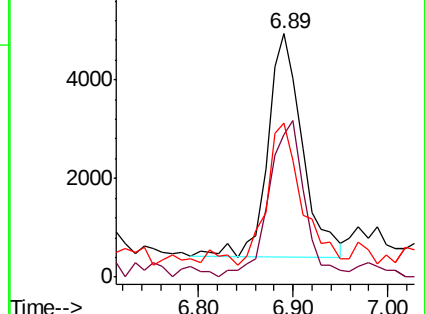
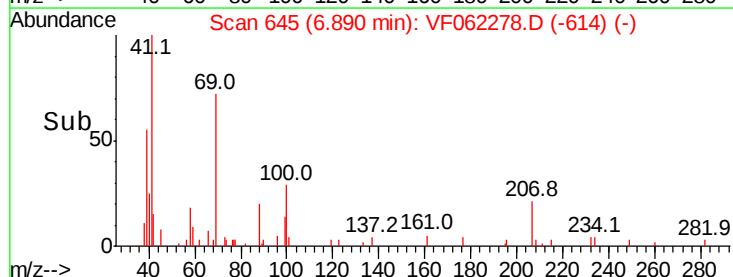
39 64.6 50.9 76.3

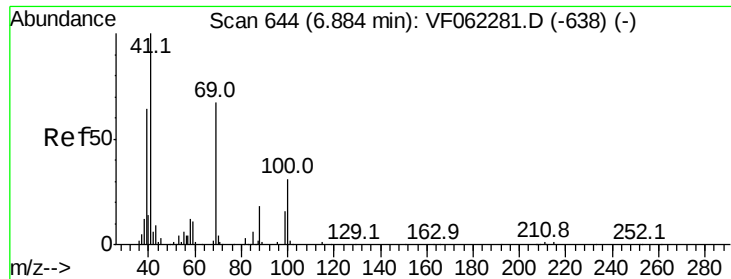


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

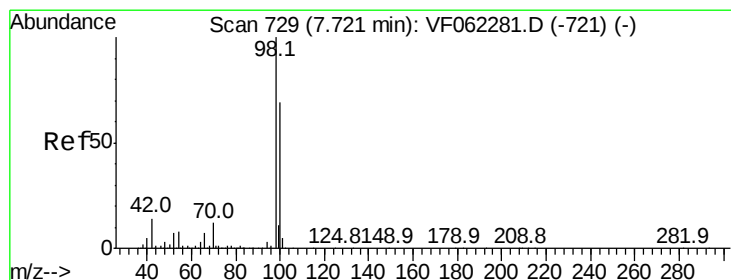
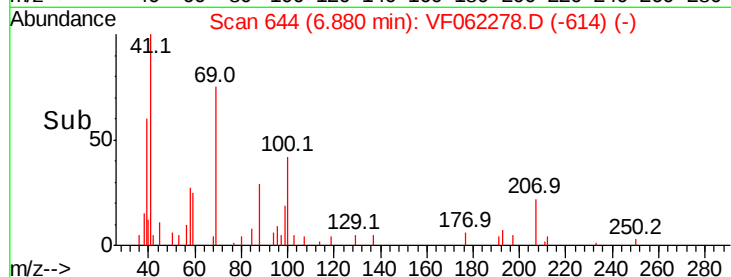
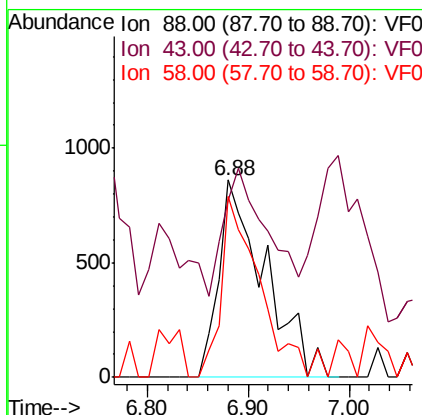
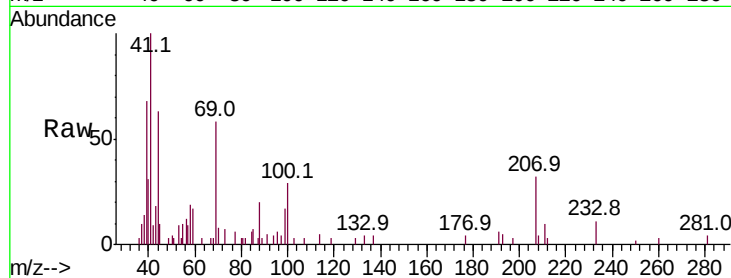




#49
1,4-Dioxane
Concen: 121.232 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

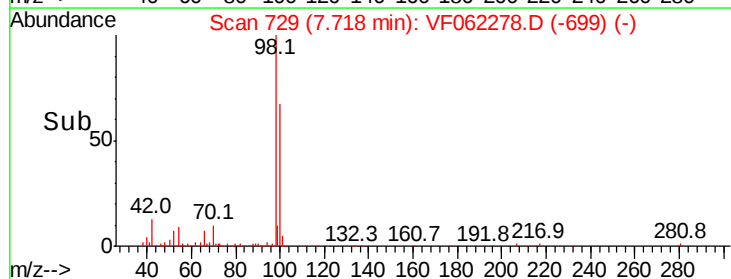
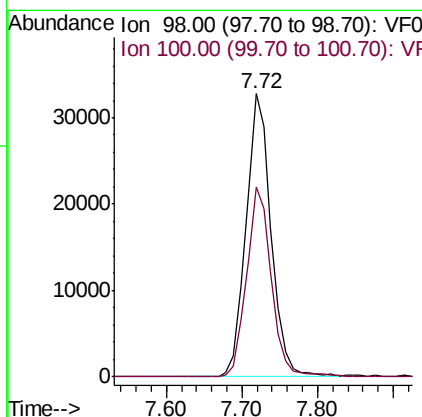
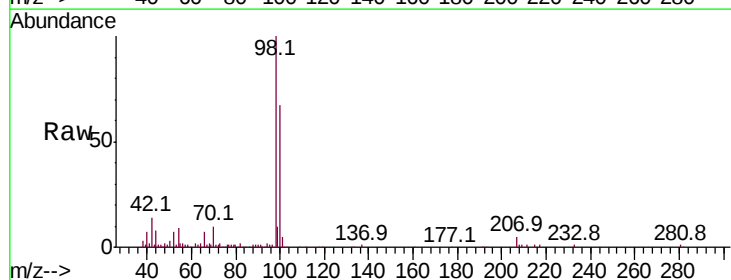
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

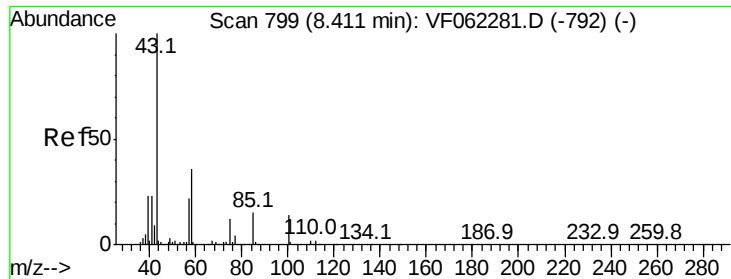
Tot Ion: 88 Resp: 2737
Ion Ratio Lower Upper
88 100
43 58.9 34.2 51.4#
58 75.0 50.7 76.1



#50
Toluene-d8
Concen: 5.948 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 98 Resp: 75545
Ion Ratio Lower Upper
98 100
100 66.1 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 29.563 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

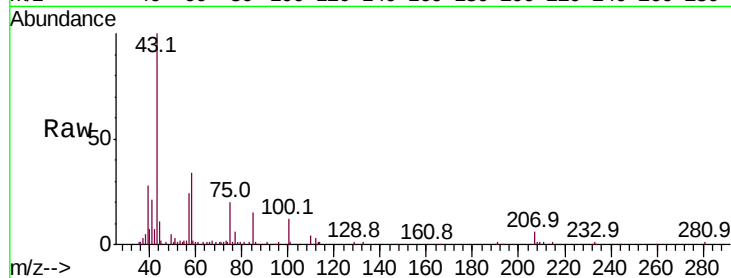
VSTDIC005

Tot Ion: 43 Resp: 65029

Ion Ratio Lower Upper

43 100

58 35.1 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

30000

25000

20000

15000

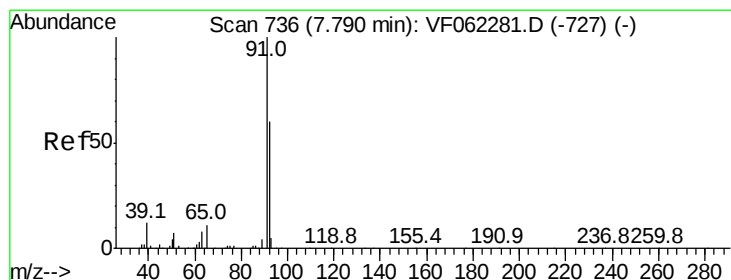
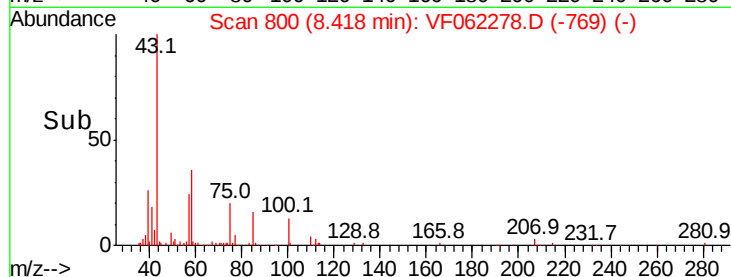
10000

5000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 5.664 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062278.D

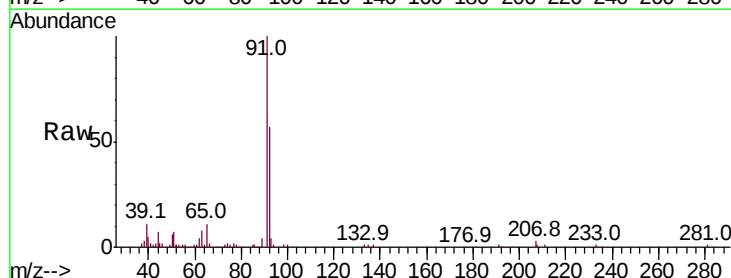
Acq: 24 Apr 2019 13:48

Tgt Ion: 92 Resp: 52013

Ion Ratio Lower Upper

92 100

91 171.8 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

40000

30000

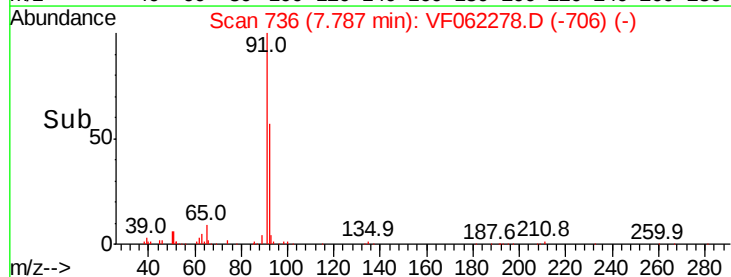
20000

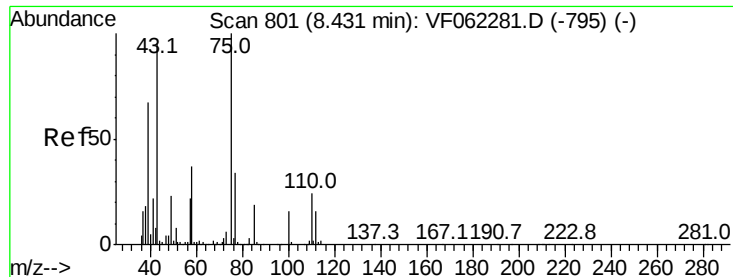
10000

0

7.70 7.80 7.90

Time-->

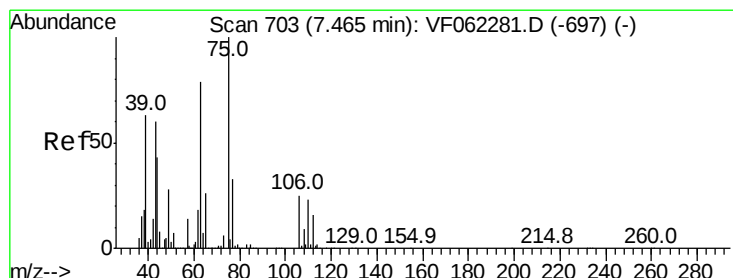
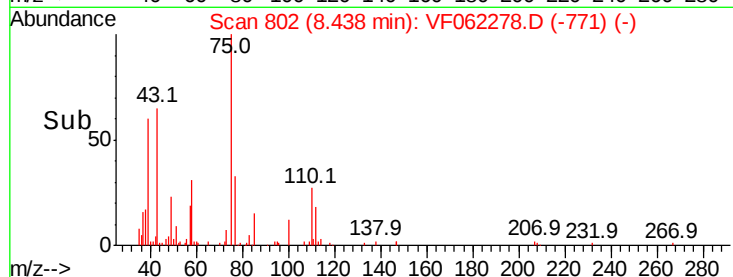
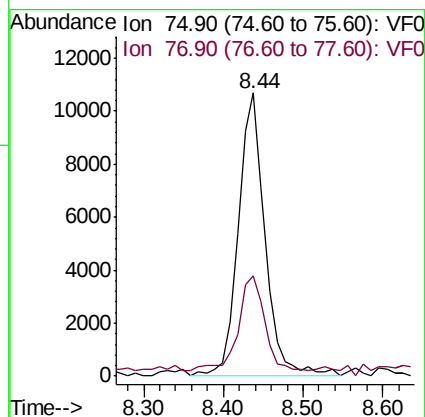
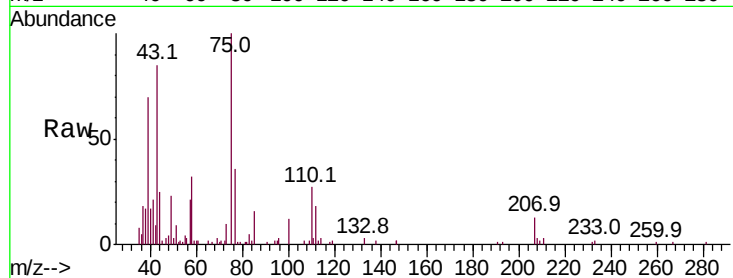




#53
 t-1,3-Dichloropropene
 Concen: 5.682 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

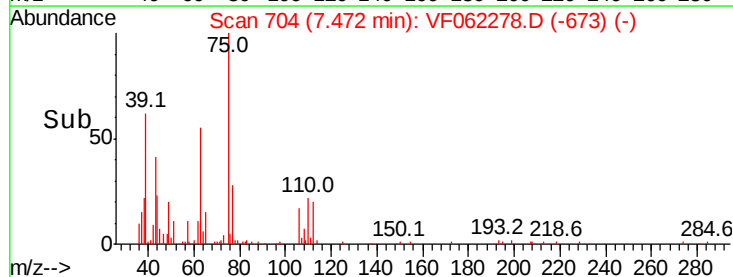
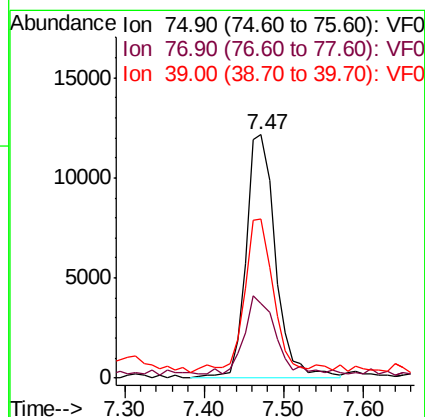
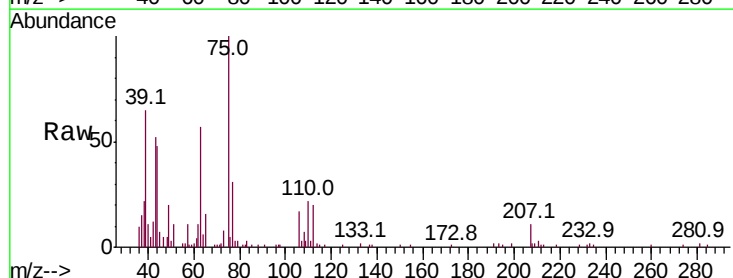
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

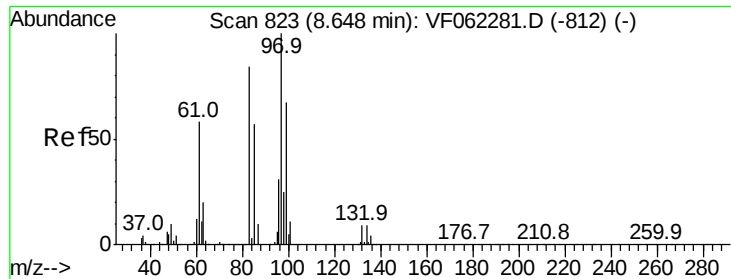
Tot Ion: 75 Resp: 24889
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 5.428 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion: 75 Resp: 30877
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.5 39.7
 39 63.0 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 5.137 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 12895

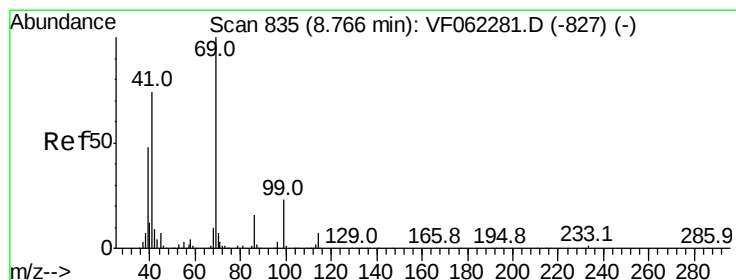
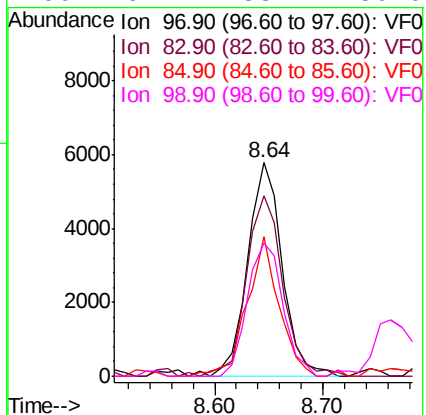
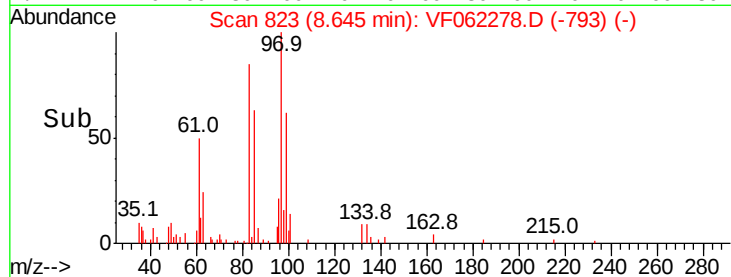
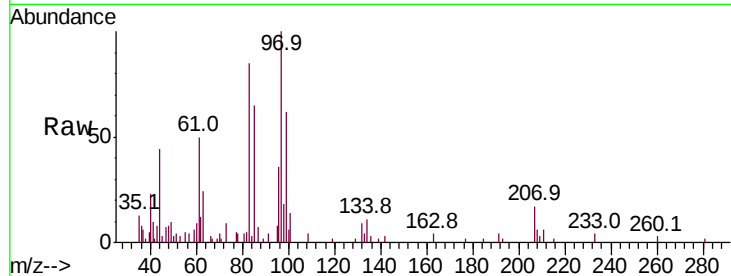
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.5	101.3
85	65.2	45.3	67.9
99	62.4	53.4	80.0

97 100

83 82.7 67.5 101.3

85 65.2 45.3 67.9

99 62.4 53.4 80.0



#56

Ethyl methacrylate

Concen: 6.377 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

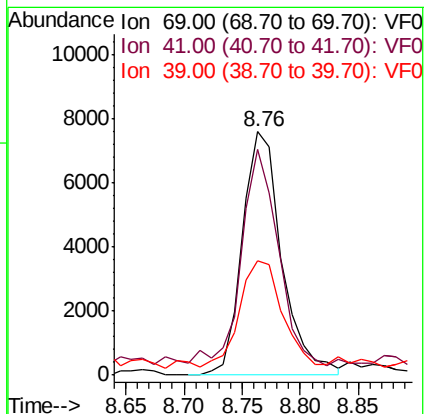
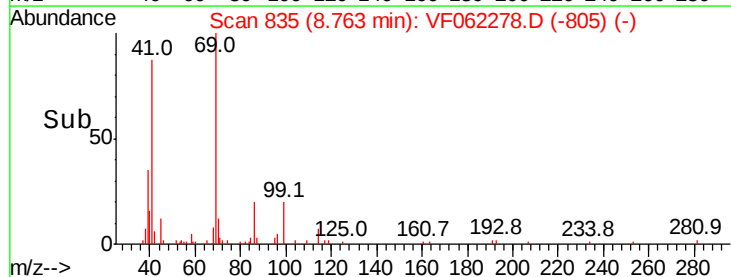
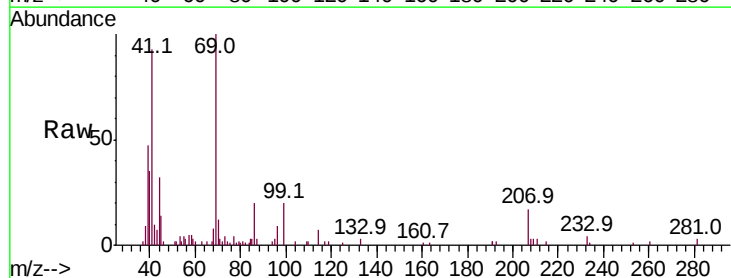
Tgt Ion: 69 Resp: 17893

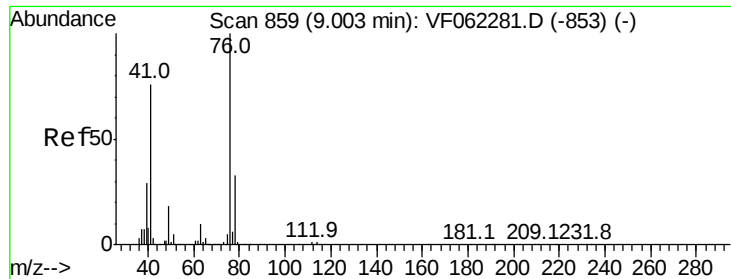
Ion	Ratio	Lower	Upper
69	100		
41	84.8	61.5	92.3
39	46.7	37.9	56.9

69 100

41 84.8 61.5 92.3

39 46.7 37.9 56.9





#57

1,3-Dichloropropane

Concen: 5.689 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

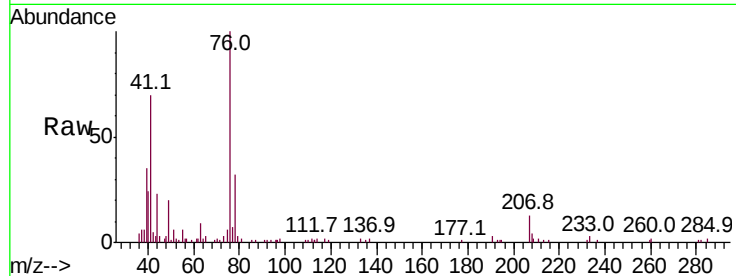
VSTDIC005

Tot Ion: 76 Resp: 22456

Ion Ratio Lower Upper

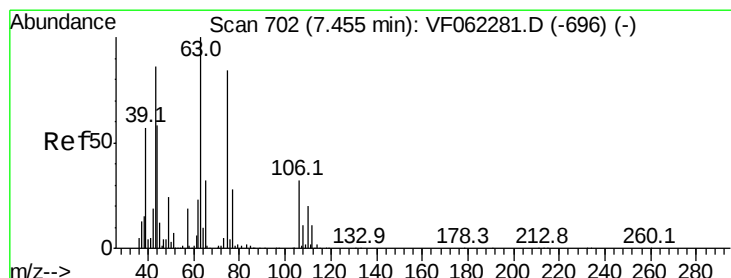
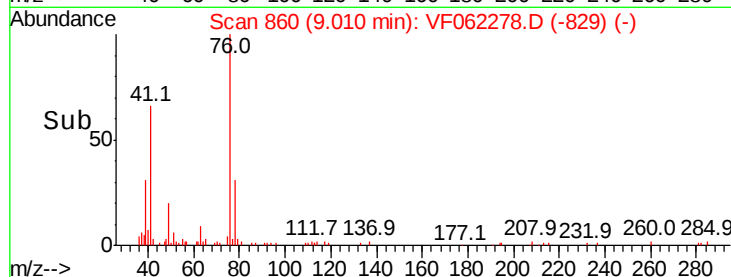
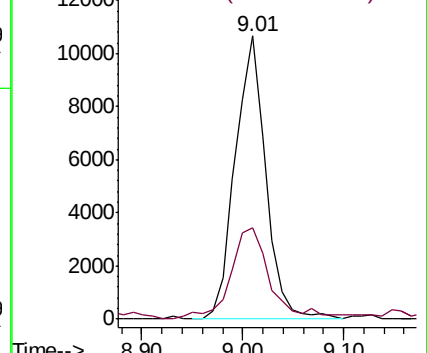
76 100

78 42.6 27.0 40.6#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 24.452 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062278.D

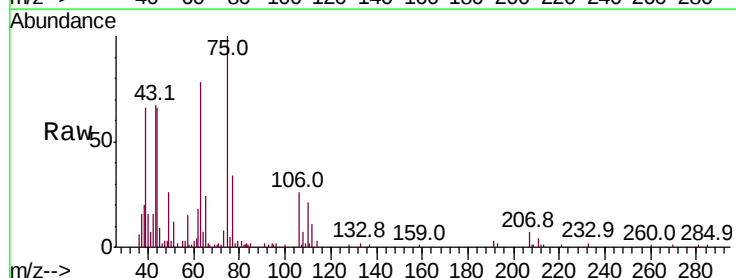
Acq: 24 Apr 2019 13:48

Tgt Ion: 63 Resp: 21196

Ion Ratio Lower Upper

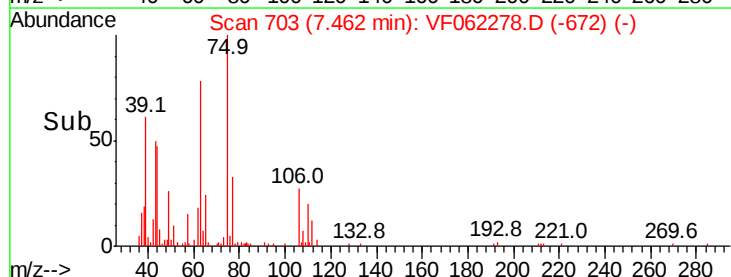
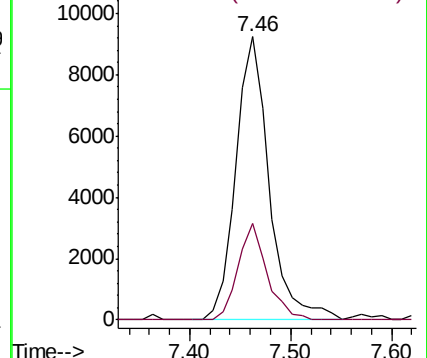
63 100

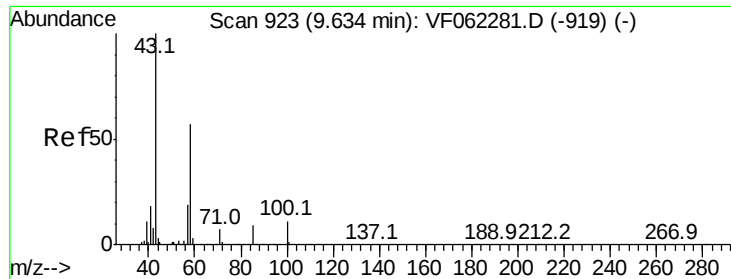
106 29.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

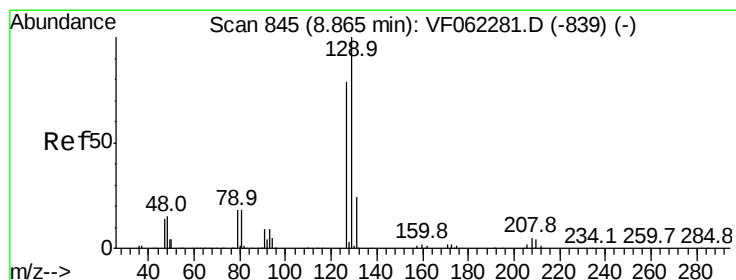
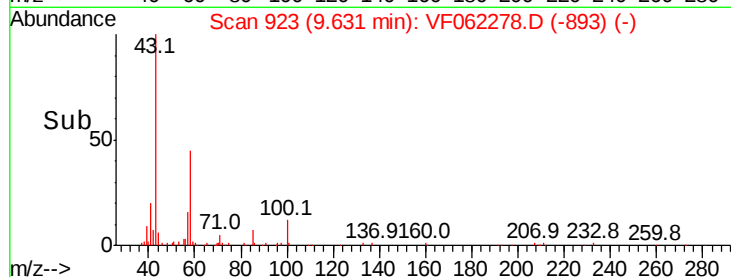
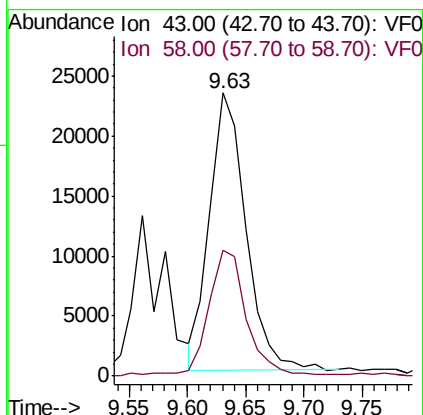
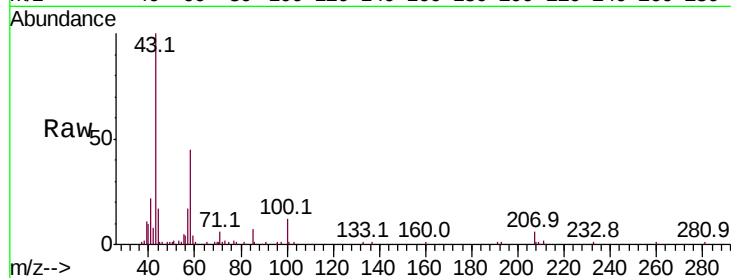




#59
2-Hexanone
Concen: 23.423 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

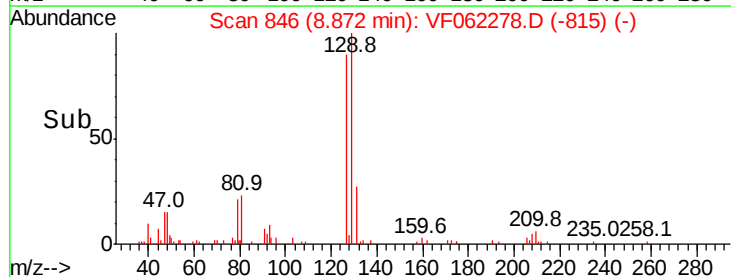
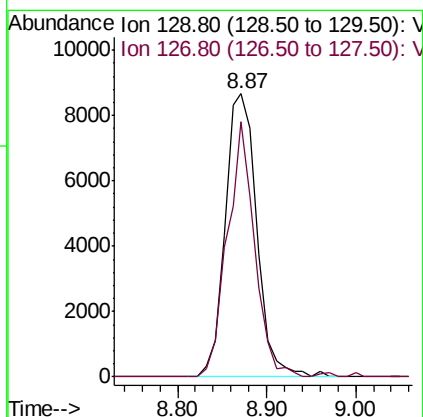
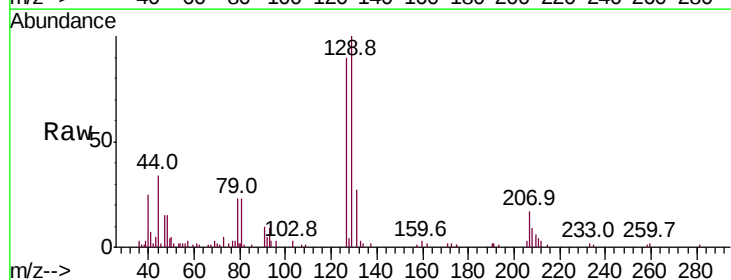
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

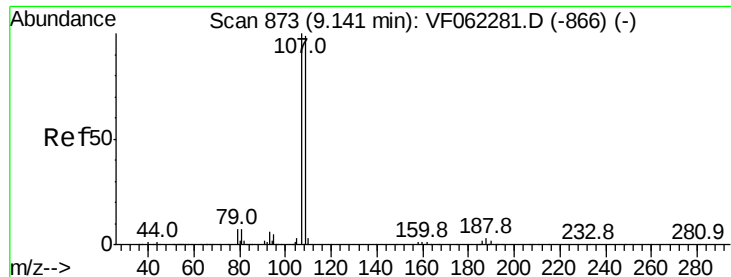
Tot Ion: 43 Resp: 50244
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.7



#60
Dibromochloromethane
Concen: 5.349 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion:129 Resp: 21633
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.639 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

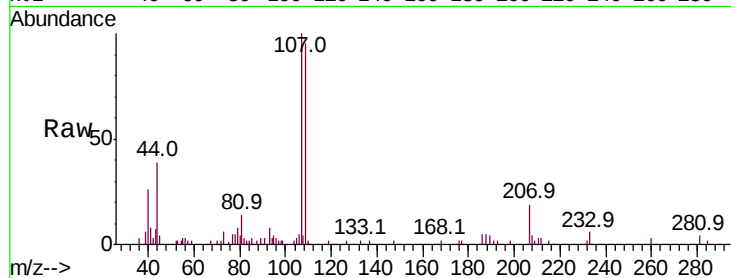
VSTDIC005

Tot Ion:107 Resp: 16494

Ion Ratio Lower Upper

107 100

109 96.8 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8000

6000

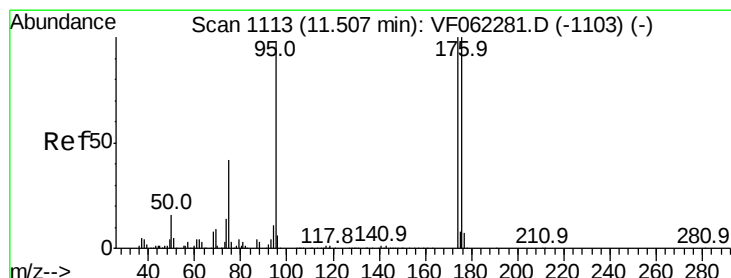
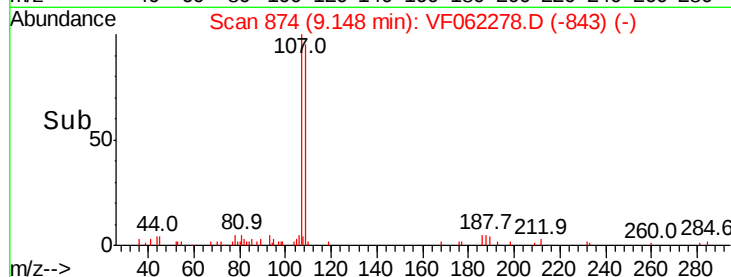
4000

2000

0

9.10 9.15 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 6.238 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

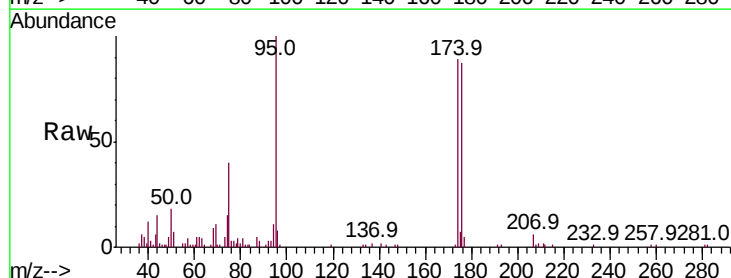
Tgt Ion: 95 Resp: 33396

Ion Ratio Lower Upper

95 100

174 86.8 0.0 185.2

176 86.7 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

25000

20000

15000

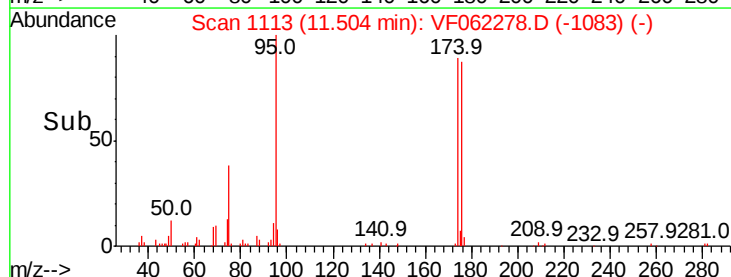
10000

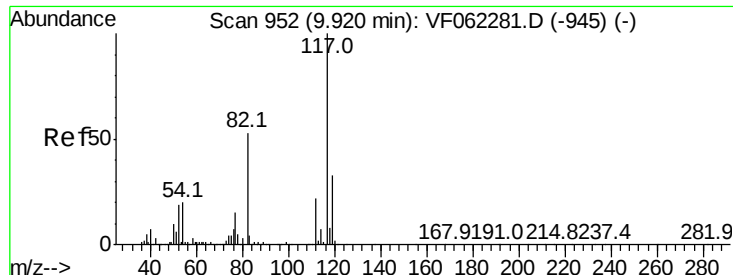
5000

0

11.40 11.50 11.60

Time-->

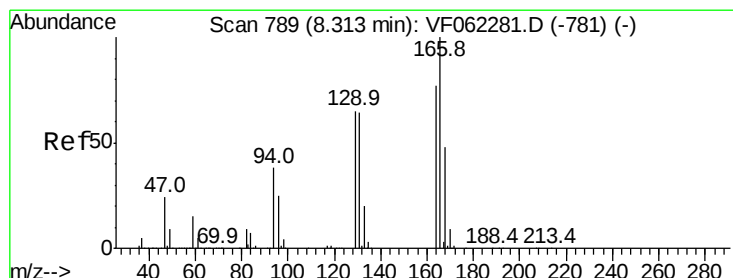
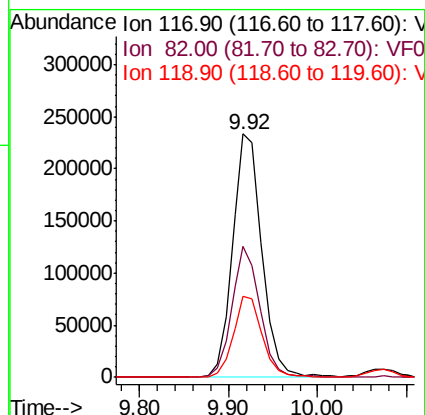
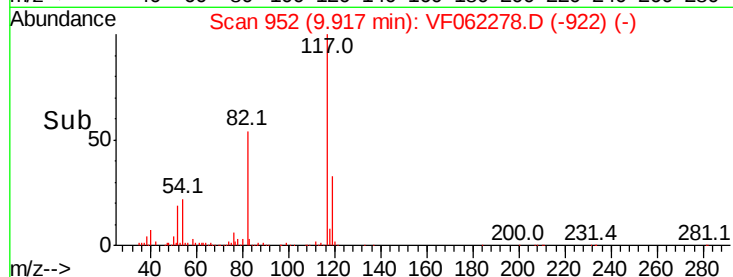
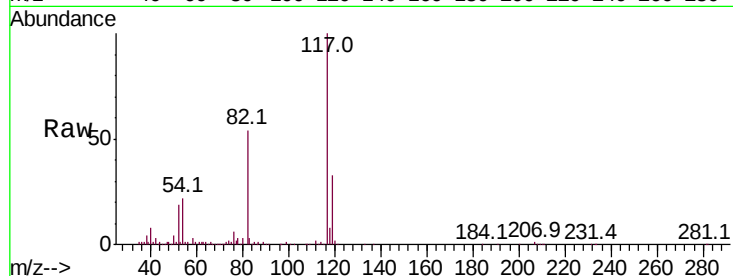




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

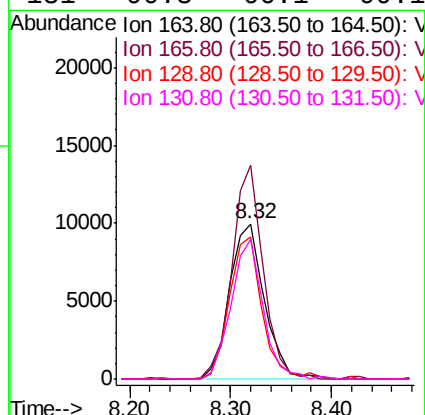
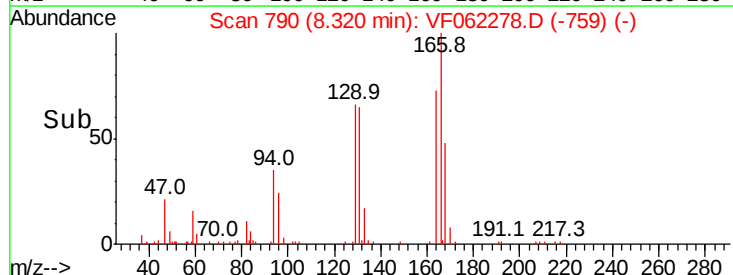
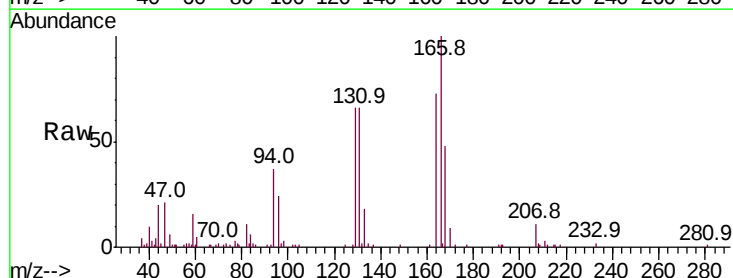
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

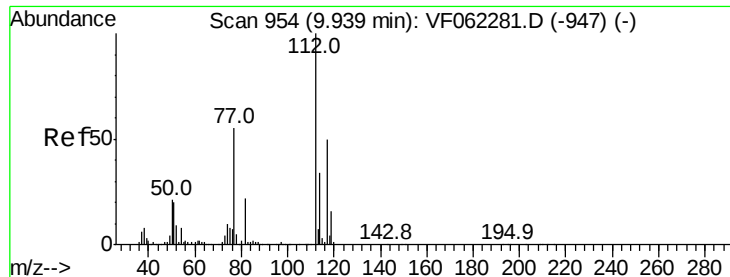
Tot Ion:117 Resp: 536400
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 33.1 26.1 39.1



#64
Tetrachloroethene
Concen: 5.191 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion:164 Resp: 23935
Ion Ratio Lower Upper
164 100
166 137.9 103.5 155.3
129 91.4 67.6 101.4
131 90.3 66.1 99.1





#65

Chlorobenzene

Concen: 5.296 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

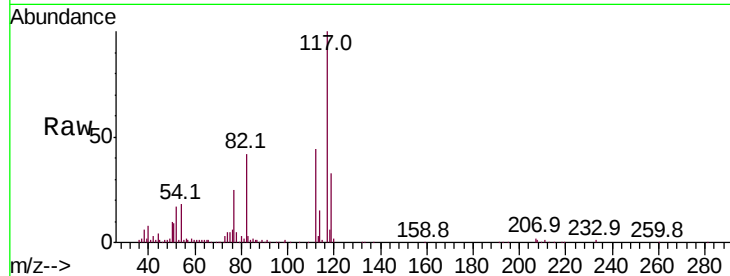
VSTDIC005

Tot Ion:112 Resp: 52683

Ion Ratio Lower Upper

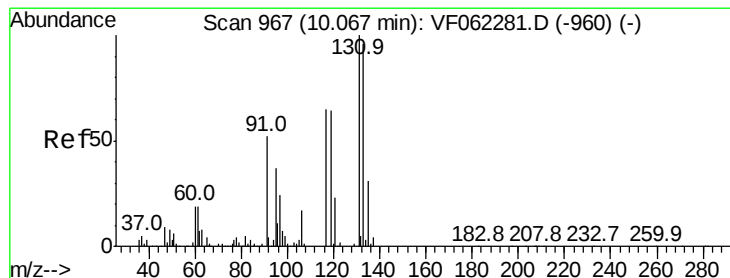
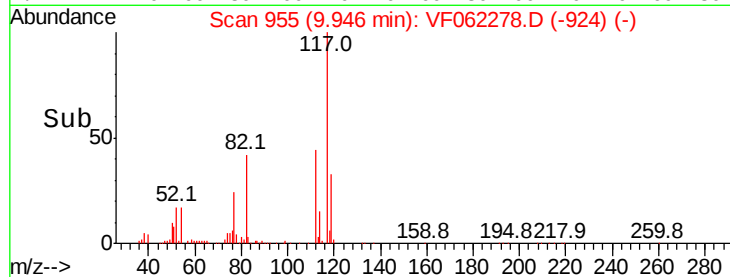
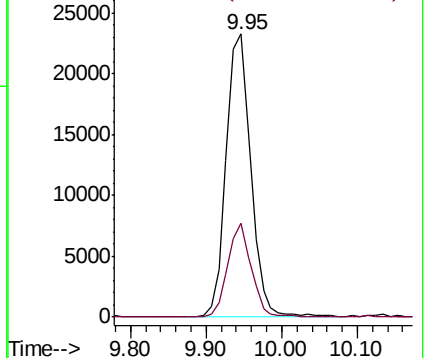
112 100

114 33.3 27.0 40.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.110 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

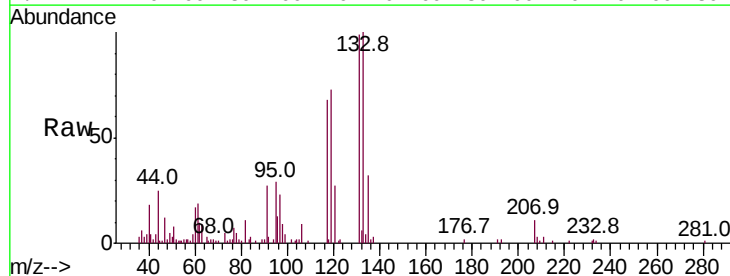
Tgt Ion:131 Resp: 24506

Ion Ratio Lower Upper

131 100

133 94.5 48.5 145.5

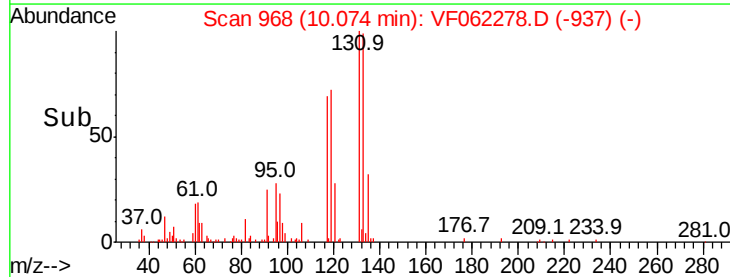
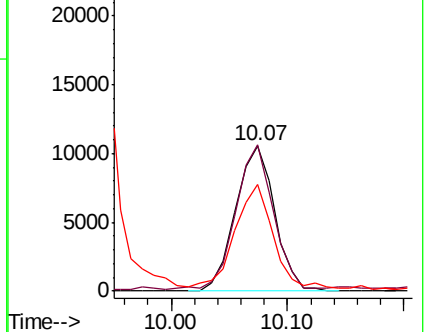
119 71.0 32.9 98.7

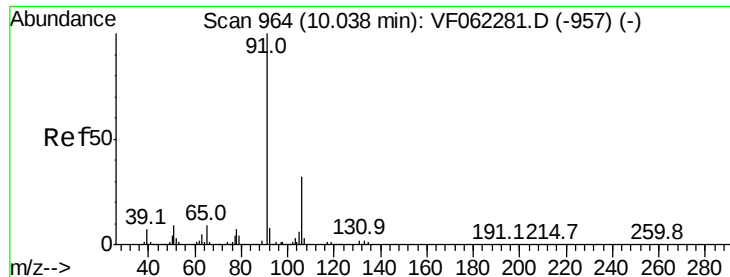


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.414 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

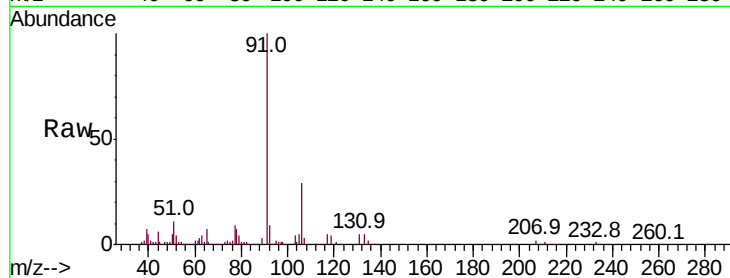
VSTDIC005

Tot Ion: 91 Resp: 95549

Ion Ratio Lower Upper

91 100

106 29.3 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

80000

60000

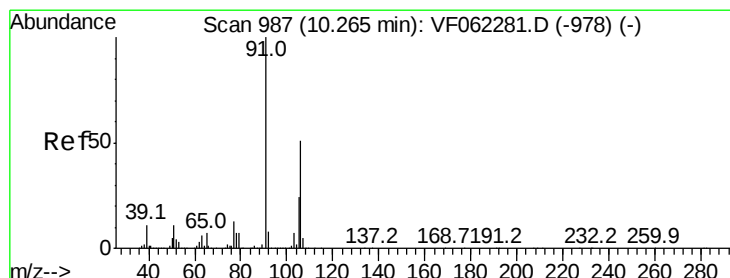
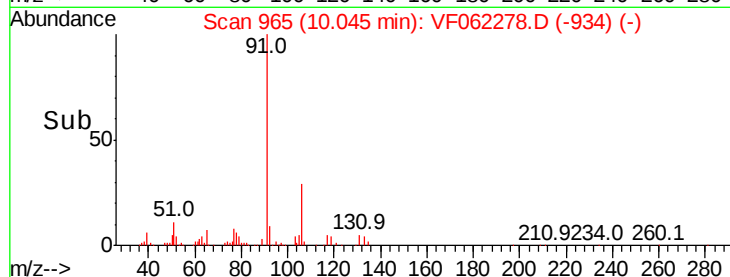
40000

20000

0

10.04

Time--> 9.90 10.00 10.10 10.20



#68

m/p-Xylenes

Concen: 10.628 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062278.D

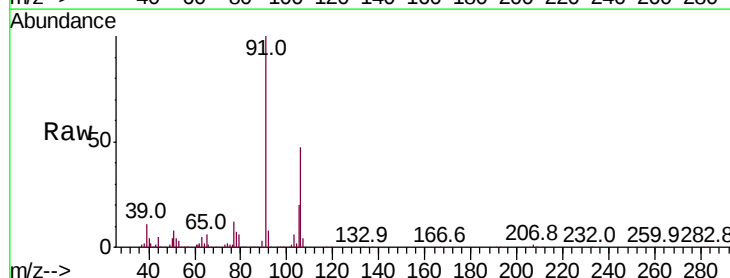
Acq: 24 Apr 2019 13:48

Tgt Ion: 106 Resp: 69251

Ion Ratio Lower Upper

106 100

91 209.8 158.3 237.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

80000

60000

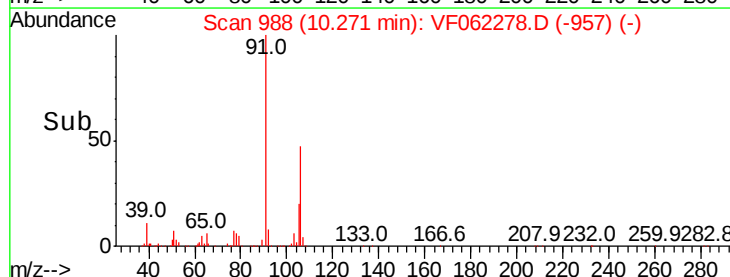
40000

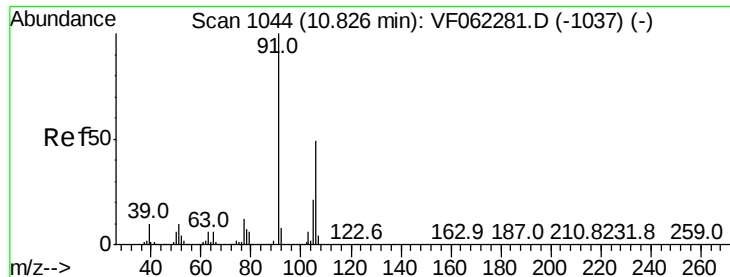
20000

0

10.27

Time--> 10.20 10.30

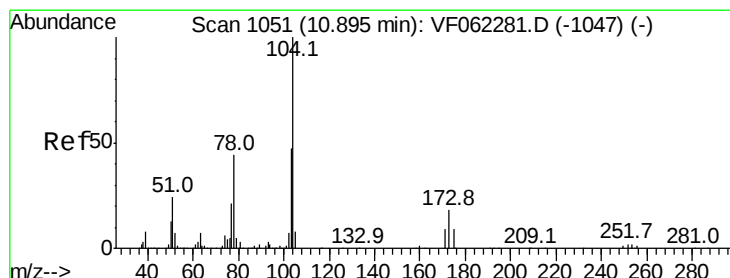
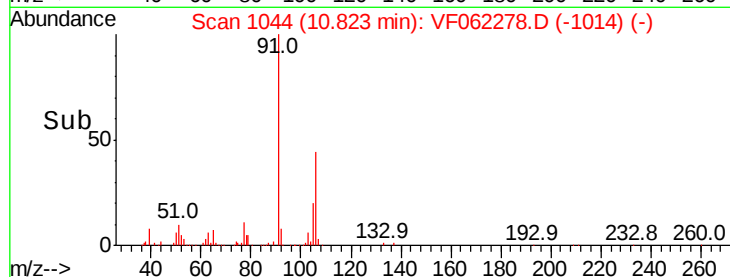
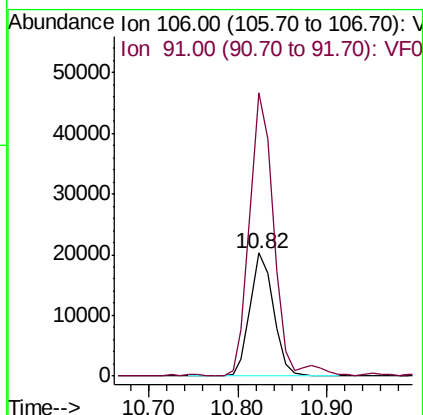
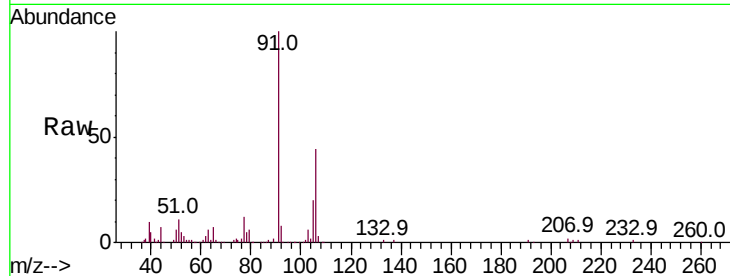




#69
o-Xylene
Concen: 5.080 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

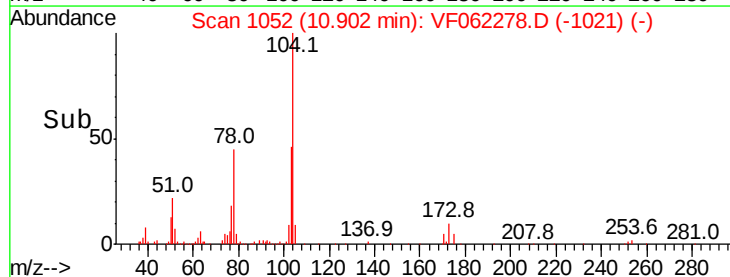
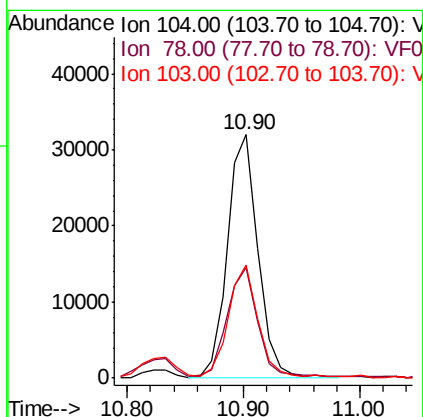
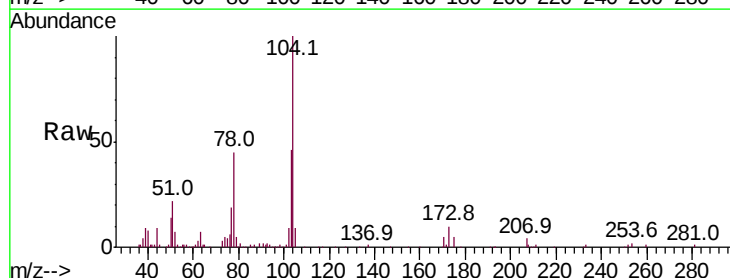
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

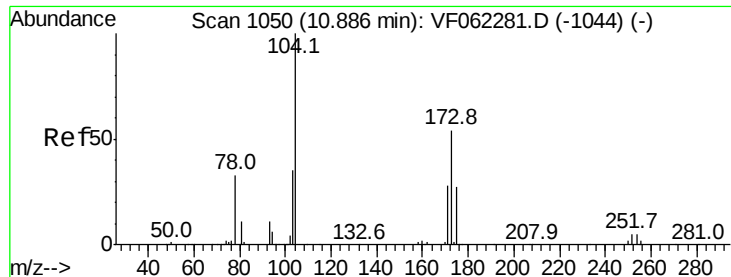
Tot Ion:106 Resp: 37154
Ion Ratio Lower Upper
106 100
91 229.2 110.0 330.0



#70
Styrene
Concen: 5.428 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion:104 Resp: 57441
Ion Ratio Lower Upper
104 100
78 46.1 35.9 53.9
103 44.9 37.5 56.3





#71

Bromoform

Concen: 4.874 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

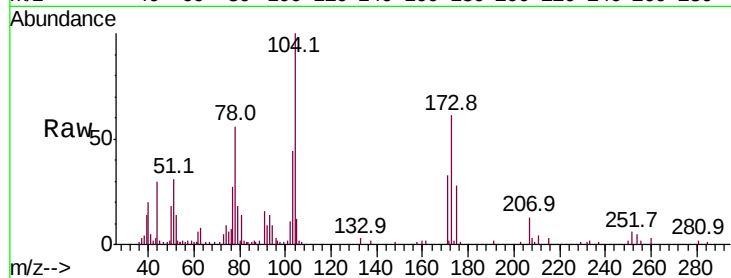
Tot Ion:173 Resp: 12686

Ion Ratio Lower Upper

173 100

175 48.3 25.3 75.9

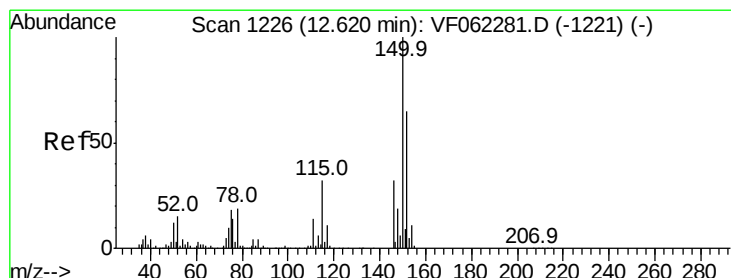
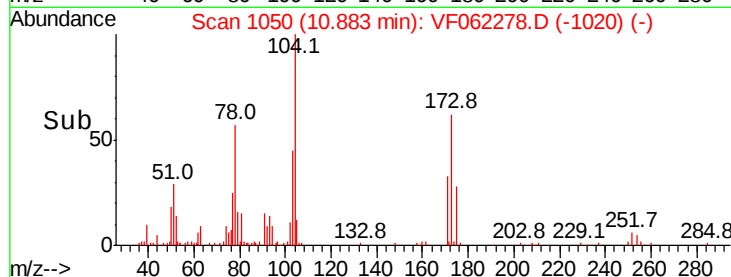
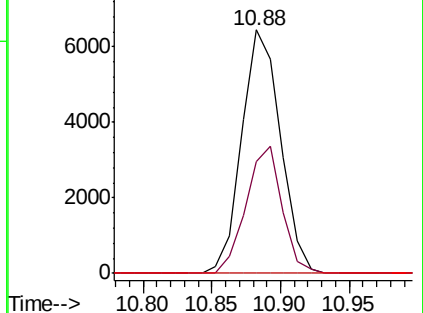
254 0.0 0.1 0.1#



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# 1226

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

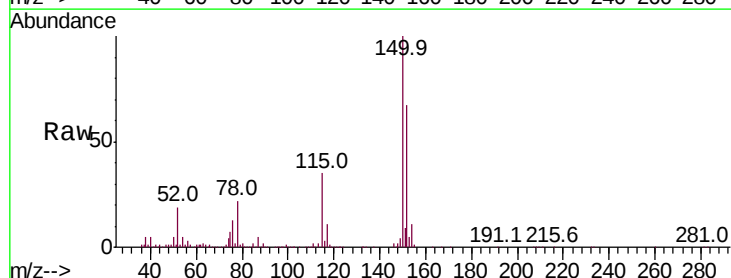
Tgt Ion:152 Resp: 328325

Ion Ratio Lower Upper

152 100

115 52.5 25.6 76.8

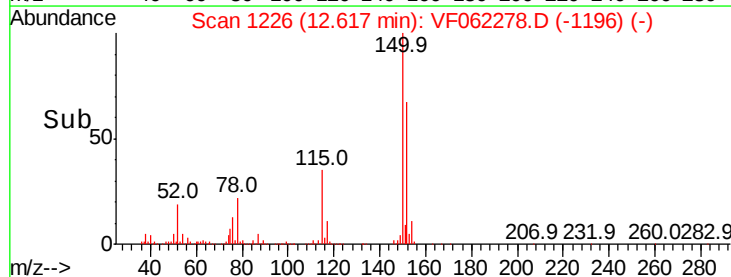
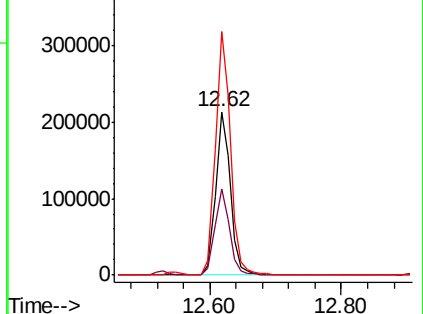
150 151.8 0.0 330.6

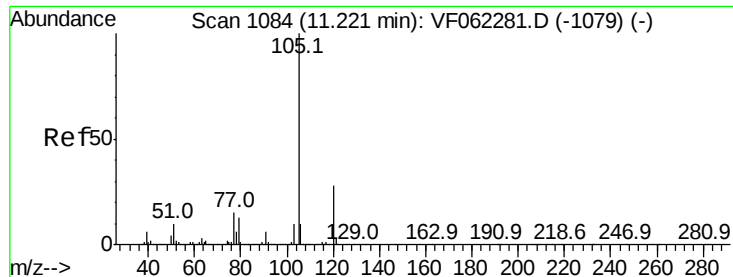


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.860 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

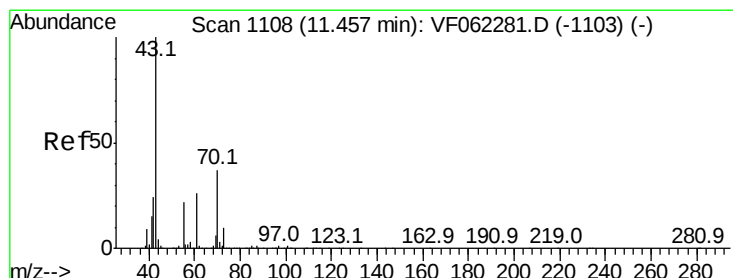
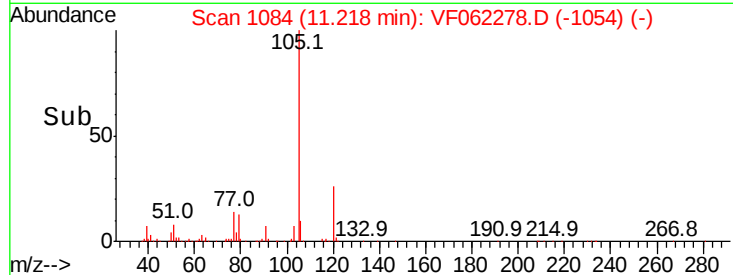
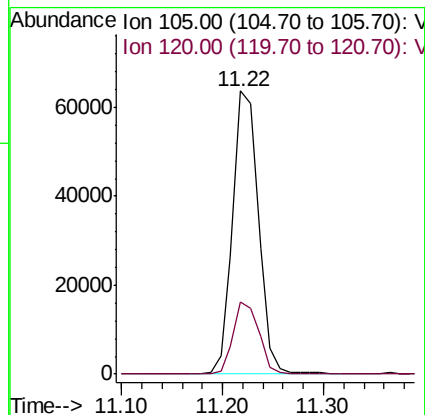
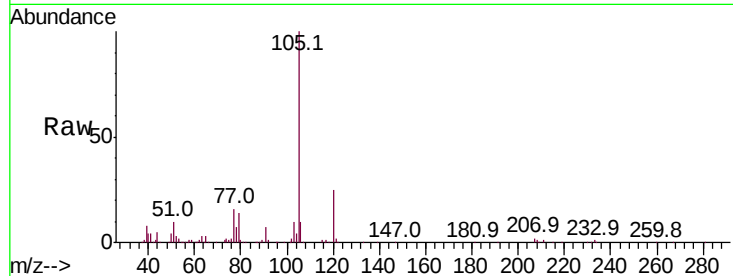
VSTDIC005

Tot Ion:105 Resp: 113926

Ion Ratio Lower Upper

105 100

120 25.3 12.4 37.2



#74

N-ethyl acetate

Concen: 6.122 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion: 43 Resp: 32582

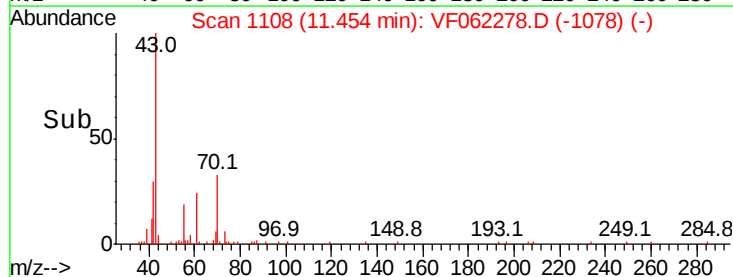
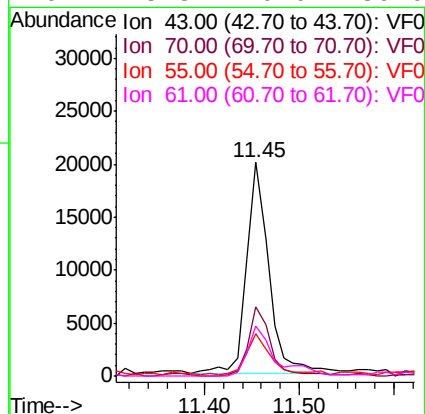
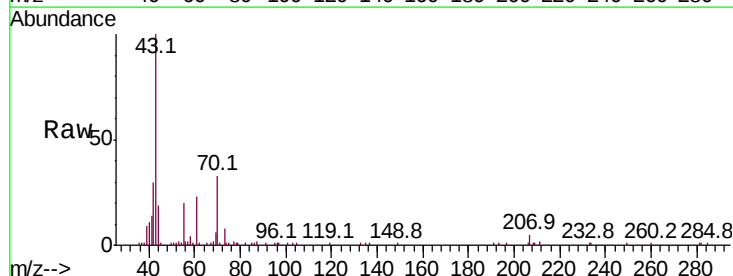
Ion Ratio Lower Upper

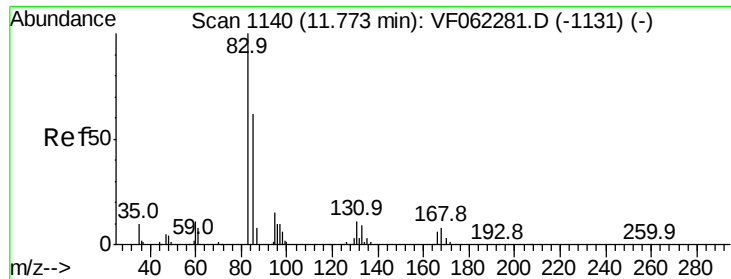
43 100

70 33.1 27.8 41.8

55 22.2 16.6 24.8

61 28.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.741 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

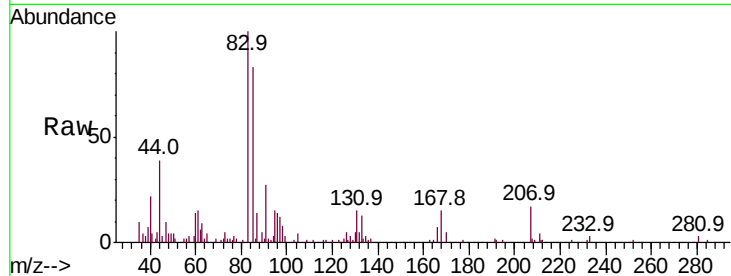
Tot Ion: 83 Resp: 16618

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.5

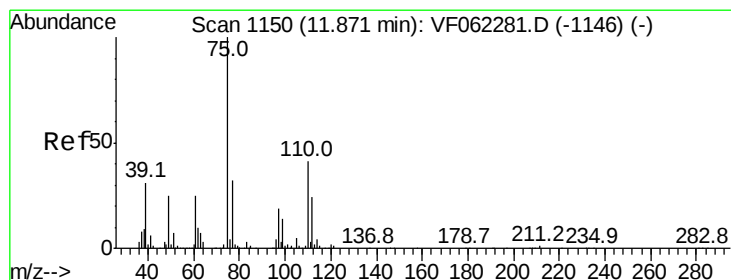
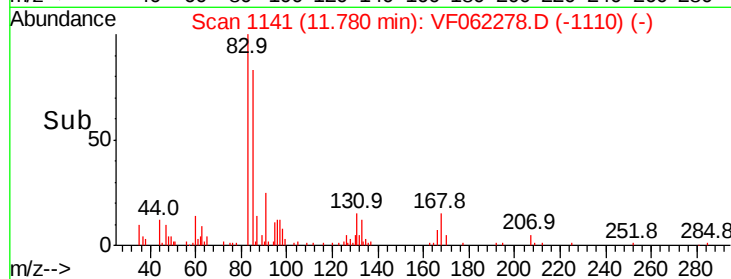
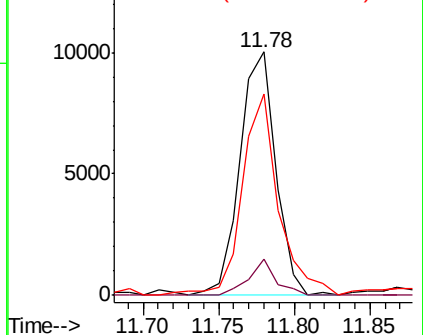
85 84.6 34.5 103.6



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: 5.341 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062278.D

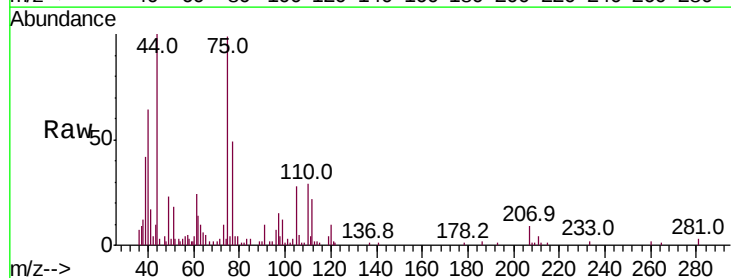
Acq: 24 Apr 2019 13:48

Tgt Ion: 75 Resp: 13509

Ion Ratio Lower Upper

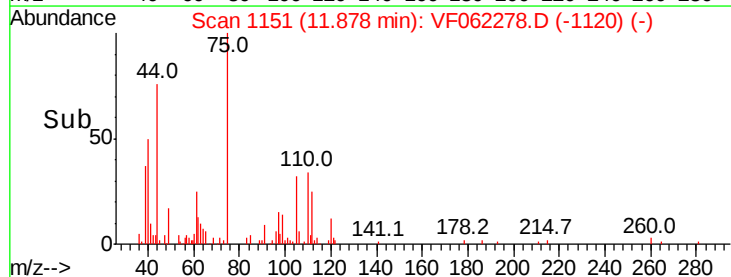
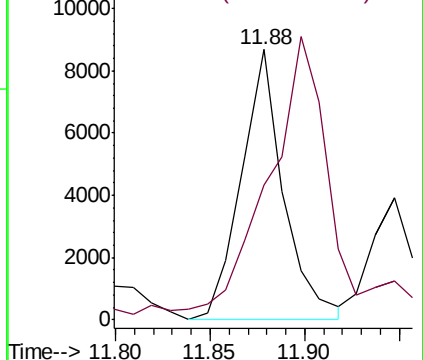
75 100

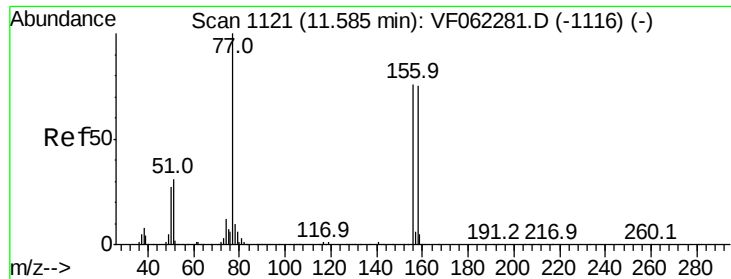
77 153.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.097 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

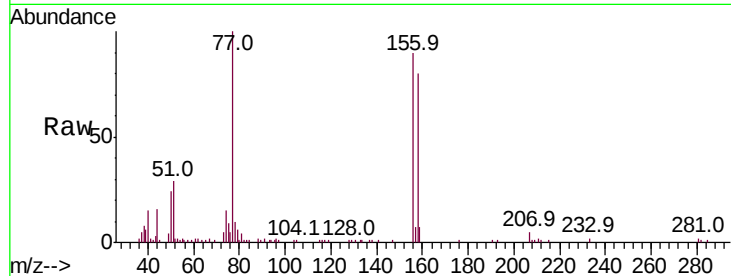
Tot Ion:156 Resp: 28815

Ion Ratio Lower Upper

156 100

77 137.3 67.3 201.9

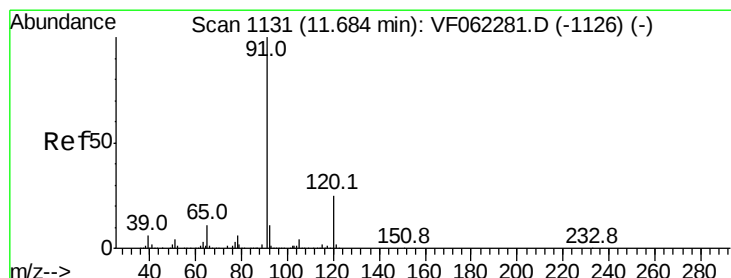
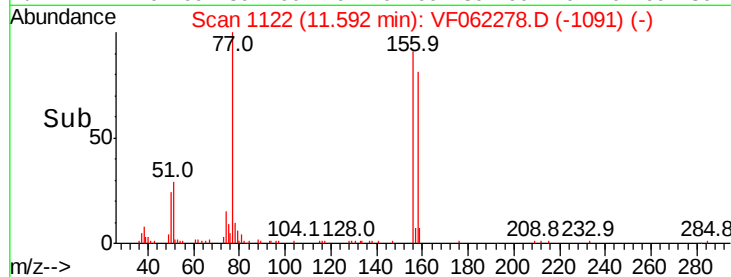
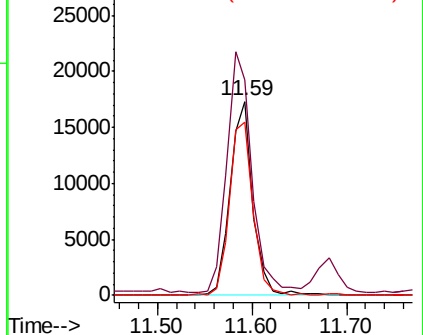
158 92.4 49.5 148.5



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: 5.254 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062278.D

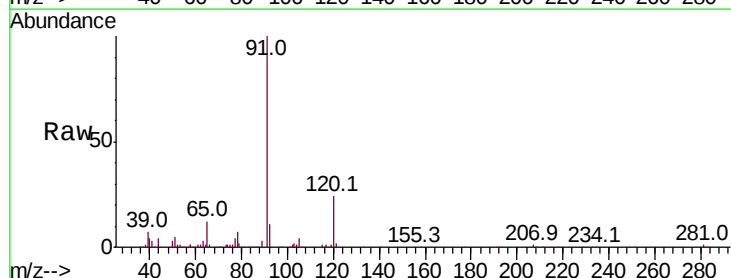
Acq: 24 Apr 2019 13:48

Tgt Ion: 91 Resp: 128157

Ion Ratio Lower Upper

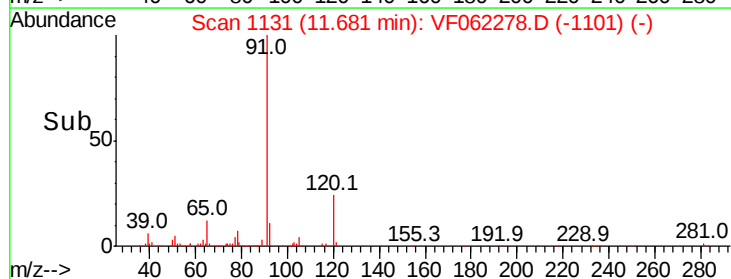
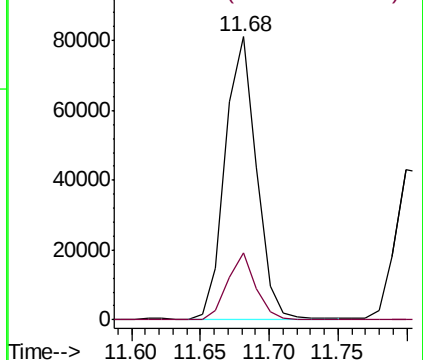
91 100

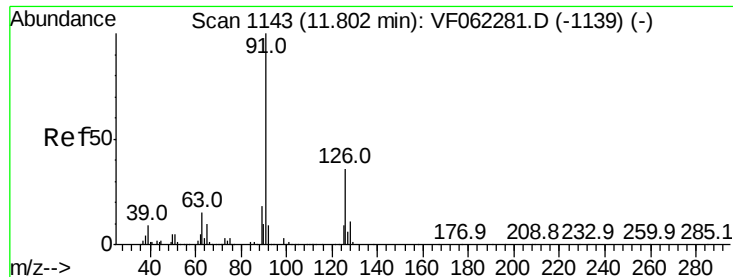
120 21.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

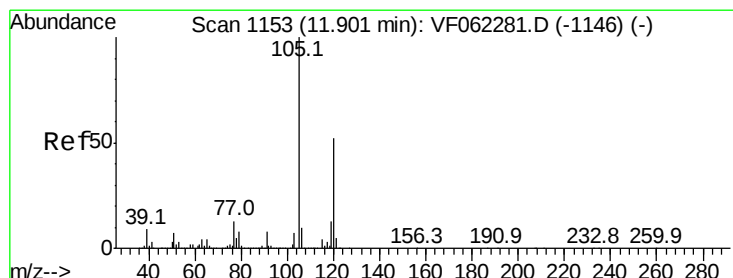
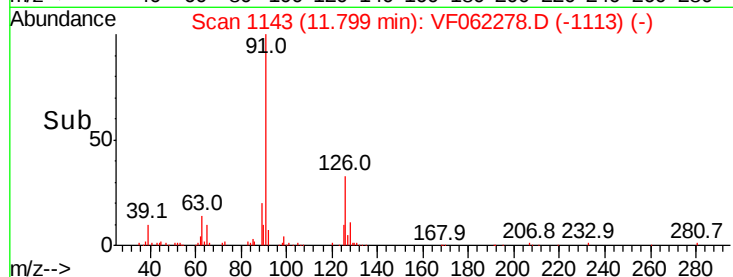
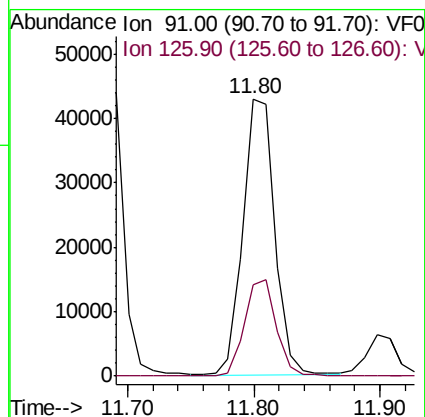
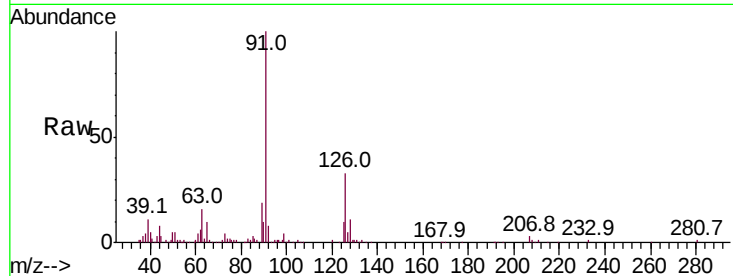




#79
2-Chlorotoluene
Concen: 5.168 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

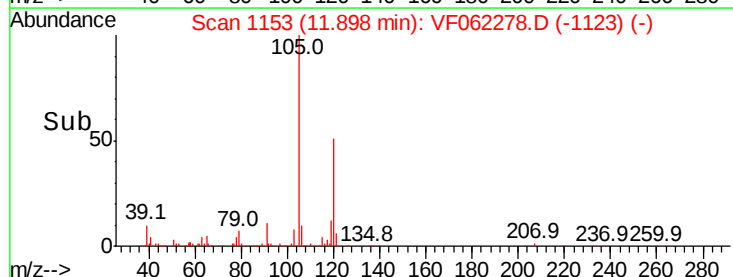
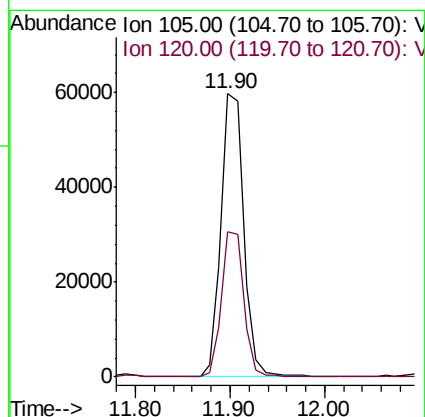
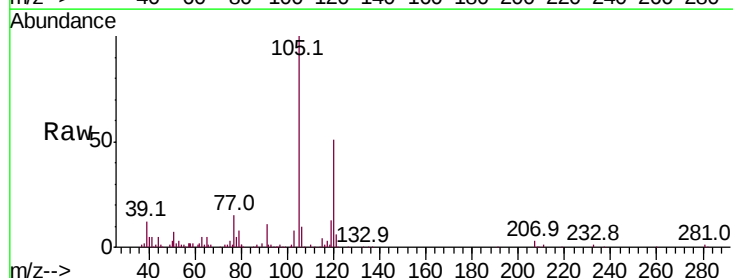
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

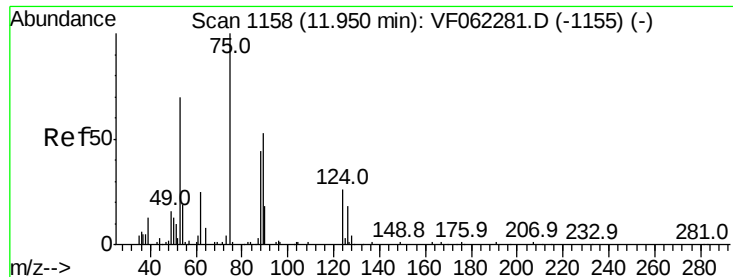
Tot Ion: 91 Resp: 74920
Ion Ratio Lower Upper
91 100
126 34.9 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 5.106 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 105 Resp: 100145
Ion Ratio Lower Upper
105 100
120 49.7 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 5.039 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

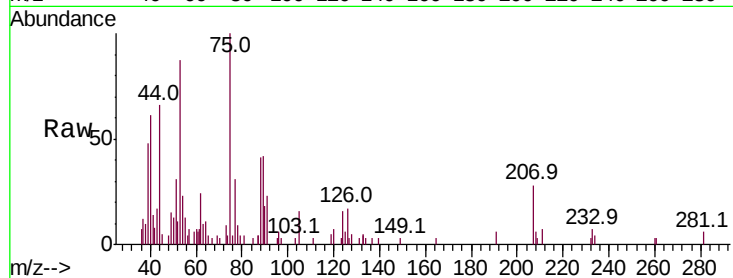
Tot Ion: 75 Resp: 7401

Ion Ratio Lower Upper

75 100

53 74.5 67.1 100.7

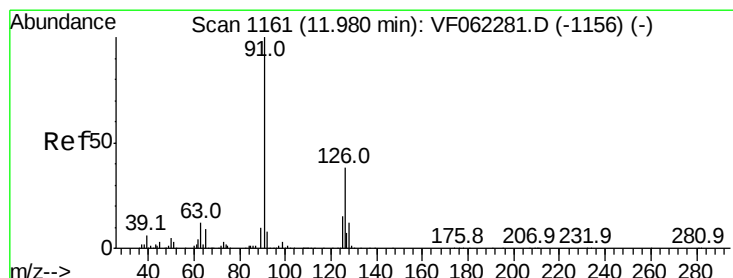
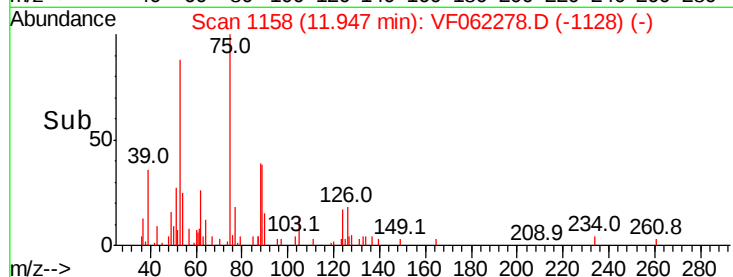
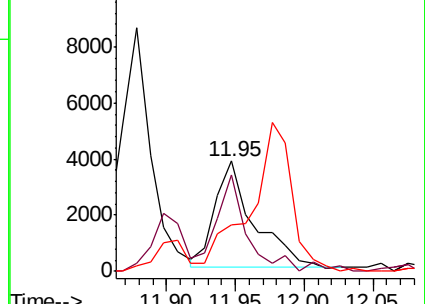
89 0.0 0.0 0.0



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: 5.339 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062278.D

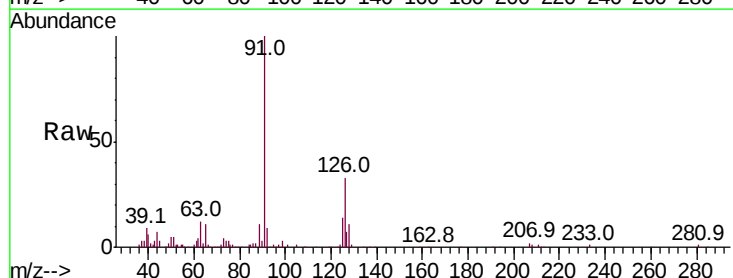
Acq: 24 Apr 2019 13:48

Tgt Ion: 91 Resp: 76702

Ion Ratio Lower Upper

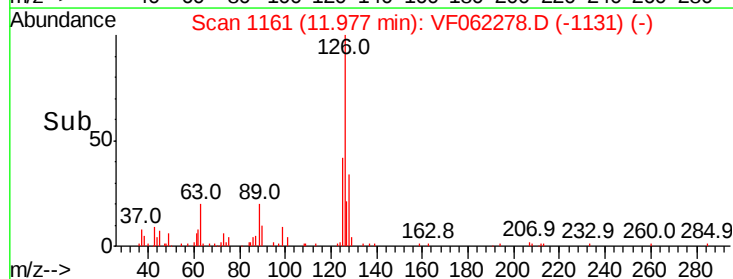
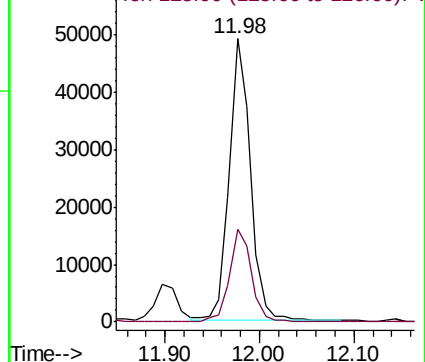
91 100

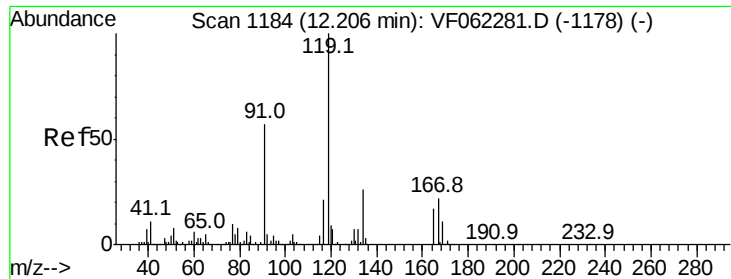
126 34.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.998 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

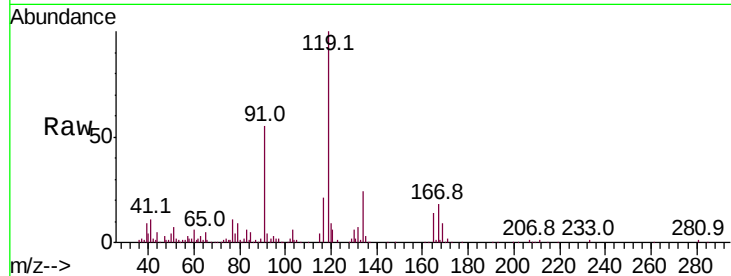
Tot Ion:119 Resp: 102781

Ion Ratio Lower Upper

119 100

91 56.2 29.4 88.2

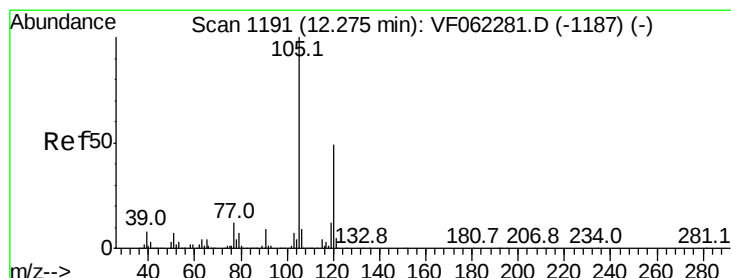
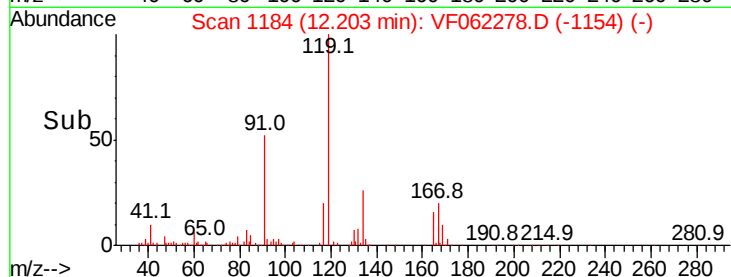
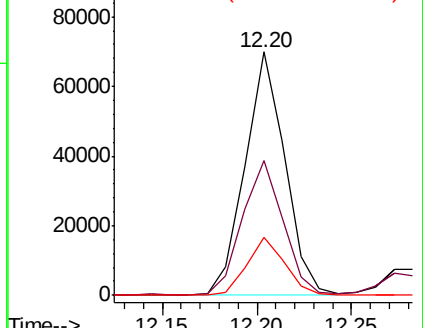
134 22.6 11.9 35.7



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: 5.249 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062278.D

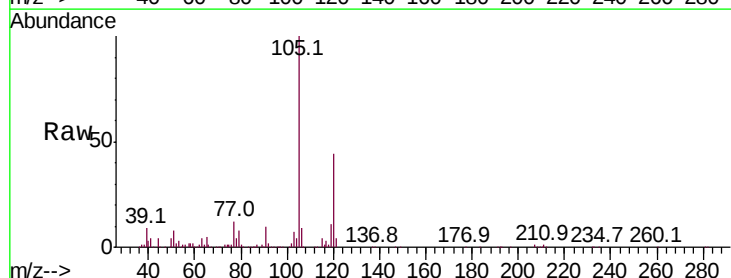
Acq: 24 Apr 2019 13:48

Tgt Ion:105 Resp: 101229

Ion Ratio Lower Upper

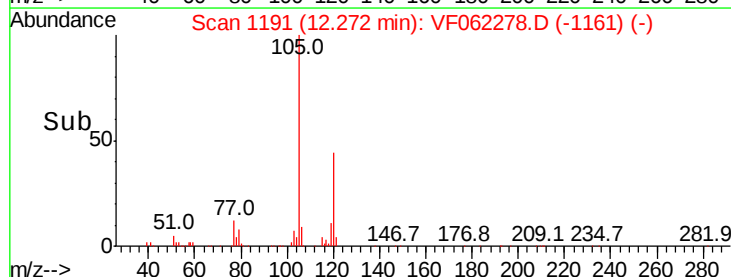
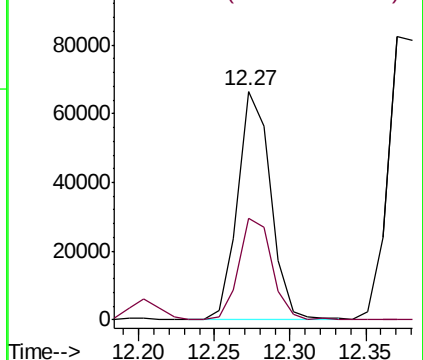
105 100

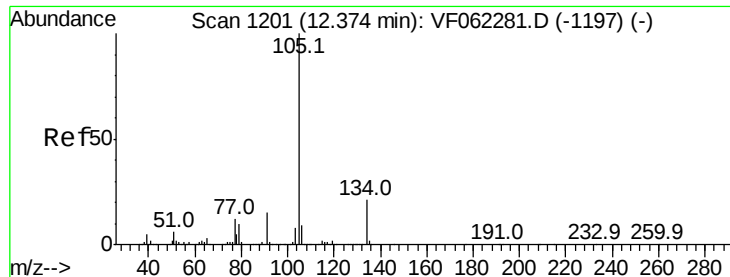
120 45.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.104 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

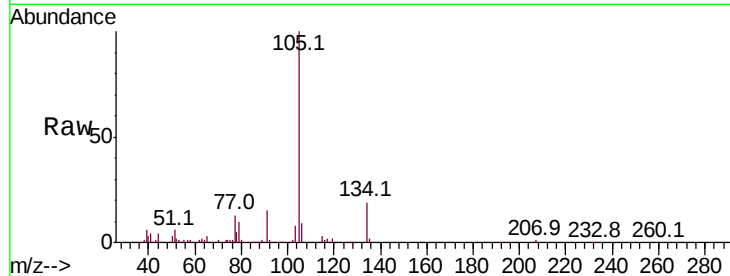
VSTDIC005

Tot Ion:105 Resp: 130282

Ion Ratio Lower Upper

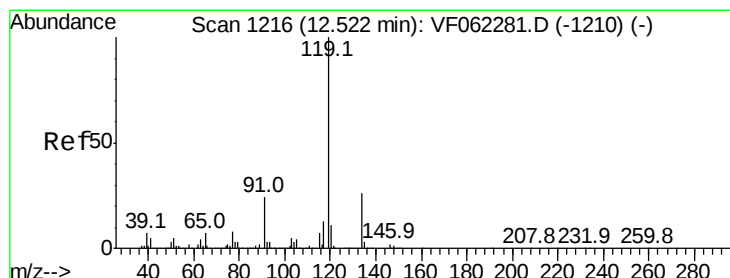
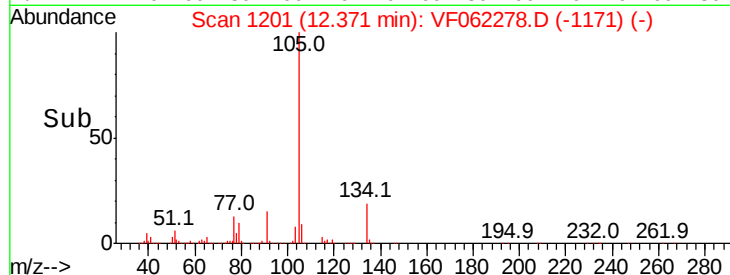
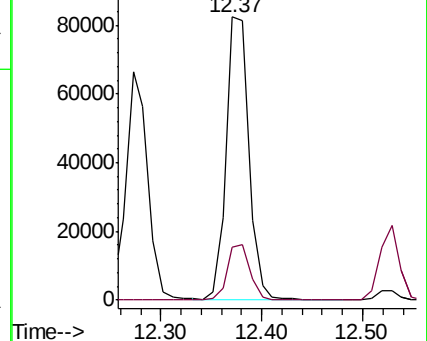
105 100

134 19.6 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: 5.271 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

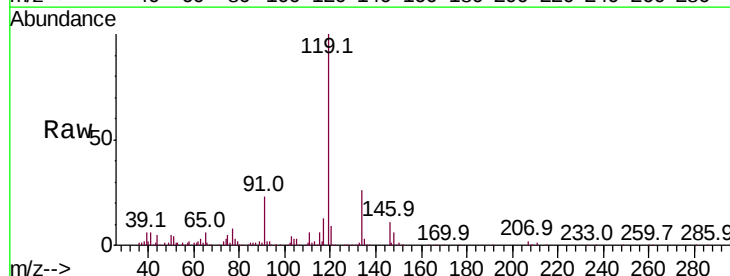
Tgt Ion:119 Resp: 119781

Ion Ratio Lower Upper

119 100

134 24.9 13.2 39.5

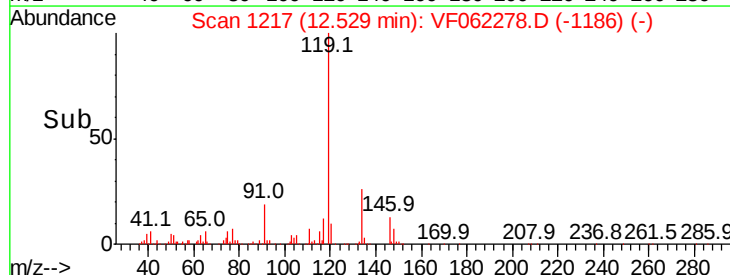
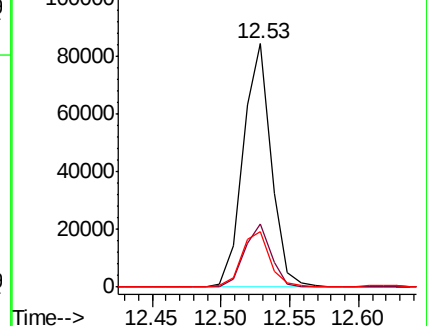
91 23.4 11.6 34.7

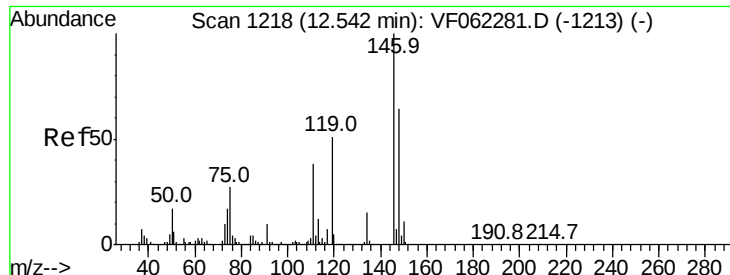


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.635 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

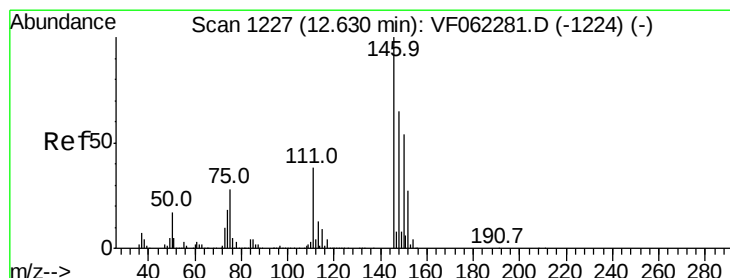
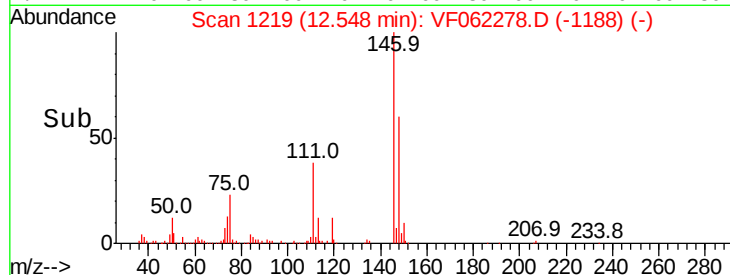
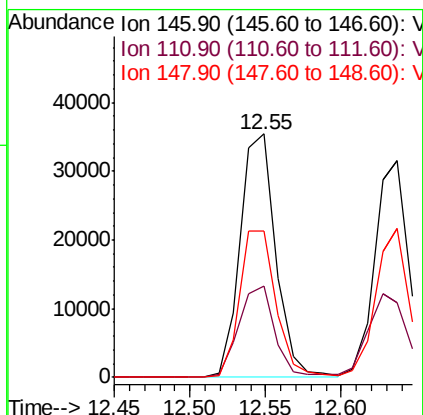
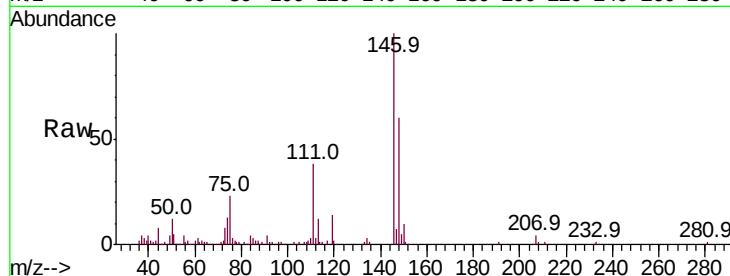
Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:146 Resp: 57970

Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	61.9	32.8	98.4



#88

1,4-Dichlorobenzene

Concen: 5.293 ug/l

RT: 12.64 min Scan# 1228

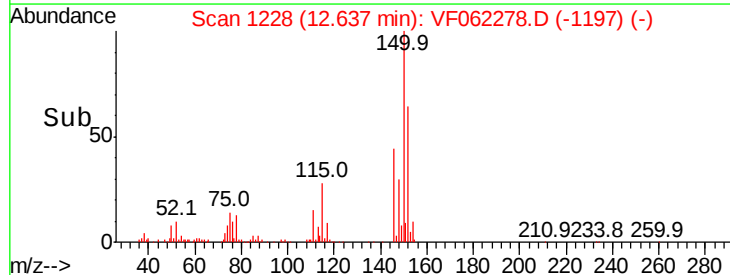
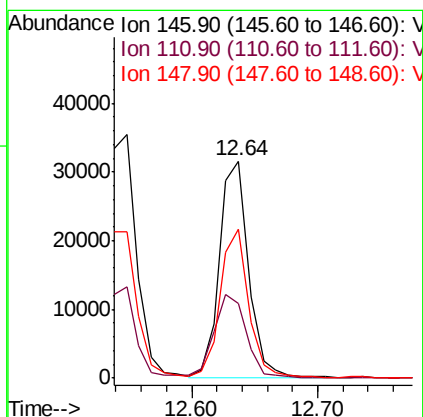
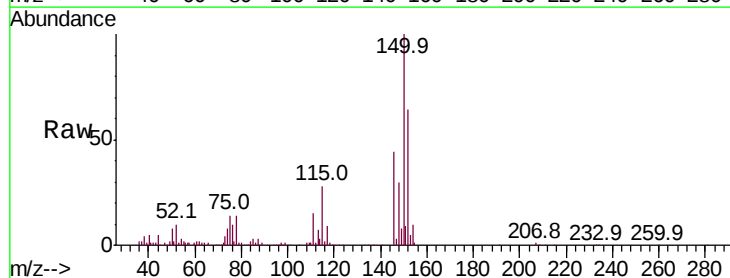
Delta R.T. 0.01 min

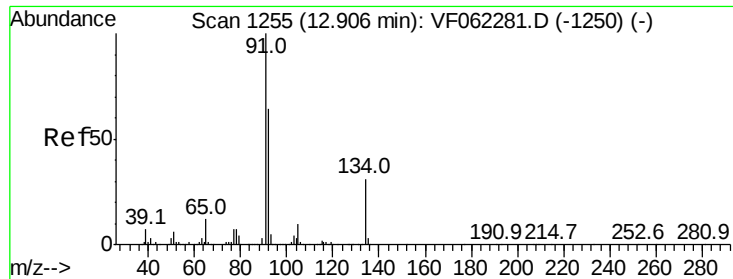
Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:146 Resp: 51052

Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.6	56.0
148	66.1	32.5	97.5





#89

n-Butylbenzene

Concen: 5.390 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

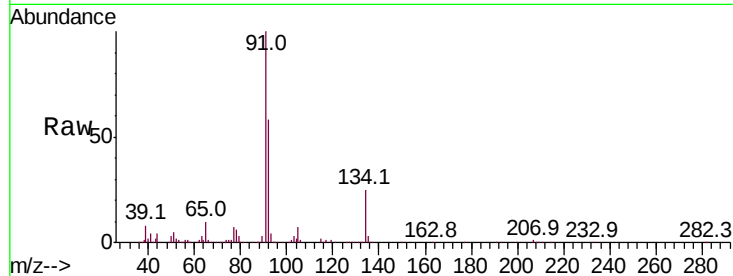
Tot Ion: 91 Resp: 114218

Ion Ratio Lower Upper

91 100

92 57.4 31.1 93.3

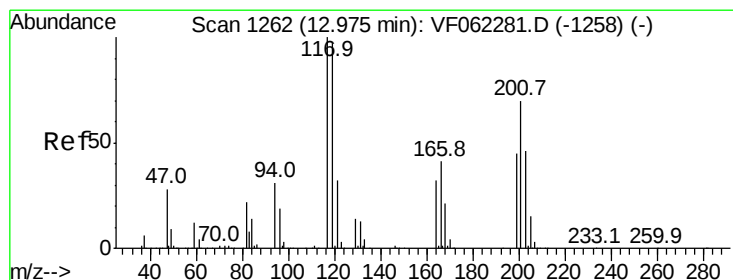
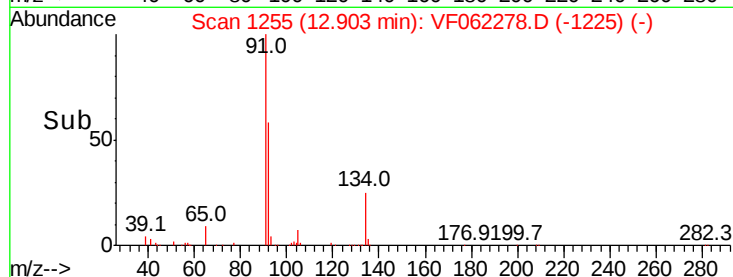
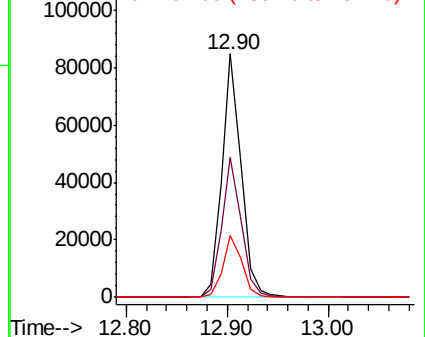
134 25.2 14.4 43.4



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: 4.624 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062278.D

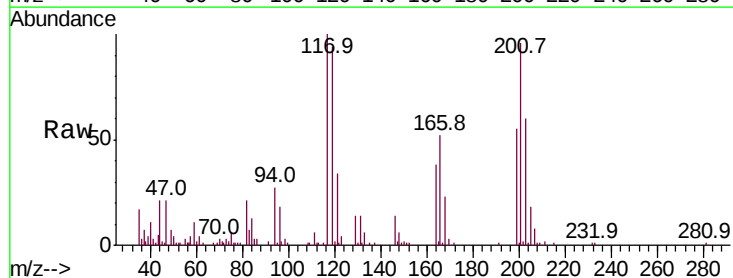
Acq: 24 Apr 2019 13:48

Tgt Ion: 117 Resp: 26066

Ion Ratio Lower Upper

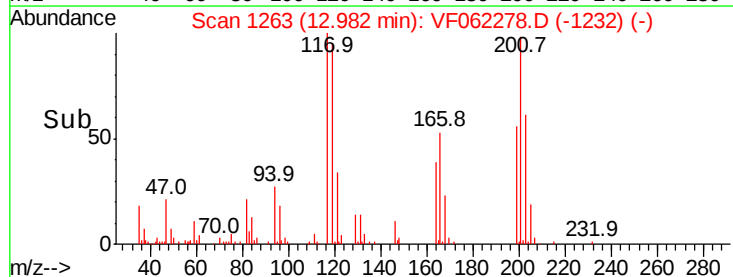
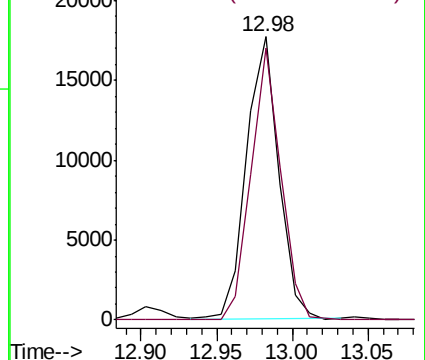
117 100

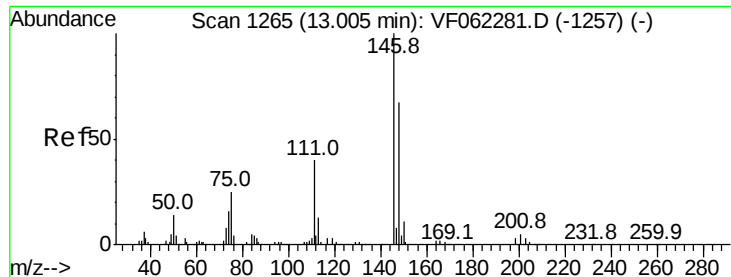
201 90.1 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.253 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

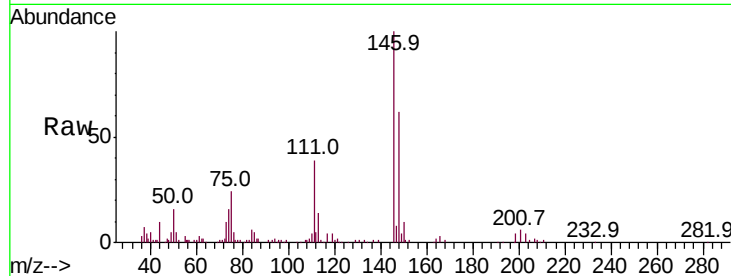
Tot Ion:146 Resp: 51950

Ion Ratio Lower Upper

146 100

111 38.6 20.0 59.9

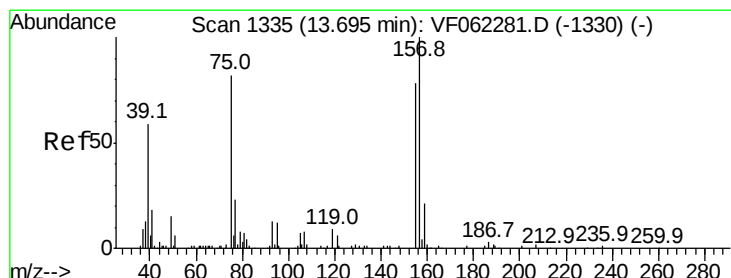
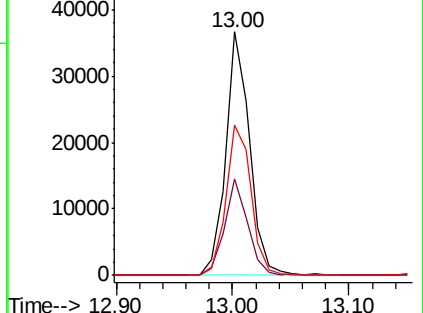
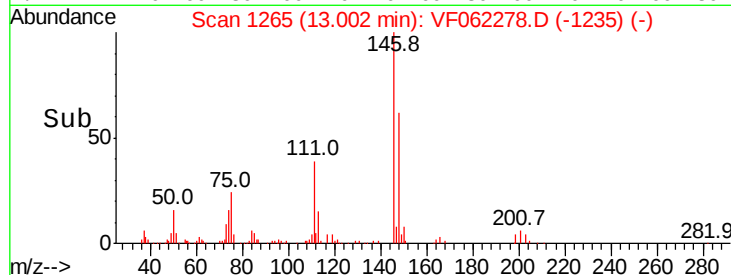
148 64.6 33.1 99.5



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: 5.299 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

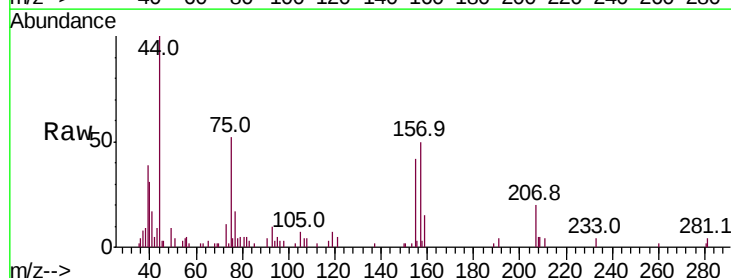
Tgt Ion: 75 Resp: 3776

Ion Ratio Lower Upper

75 100

155 102.6 51.7 155.2

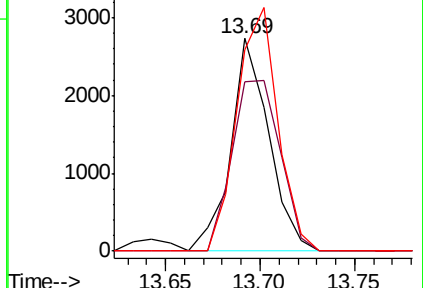
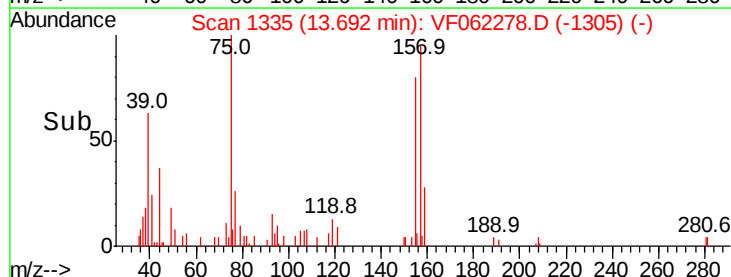
157 123.6 64.5 193.5

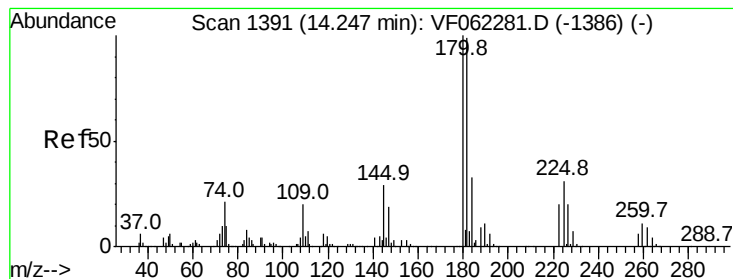


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 5.295 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

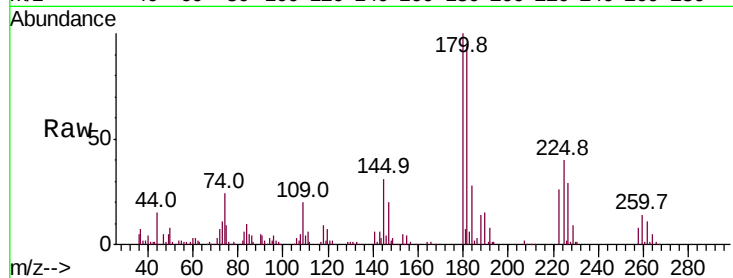
Tot Ion:180 Resp: 46391

Ion Ratio Lower Upper

180 100

182 97.6 48.5 145.6

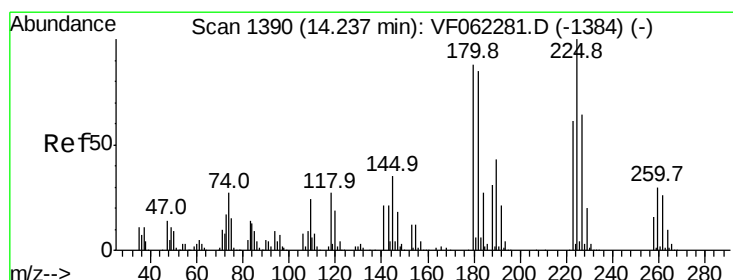
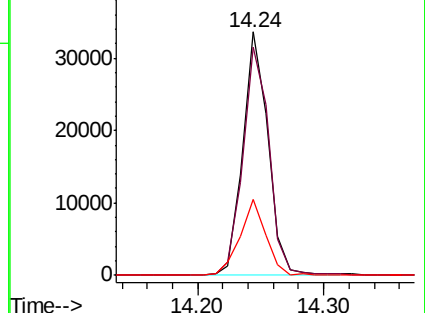
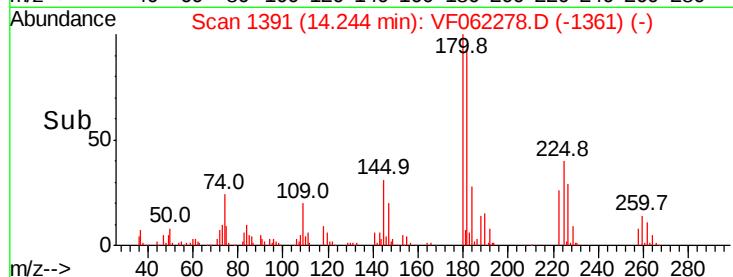
145 32.2 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 5.014 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

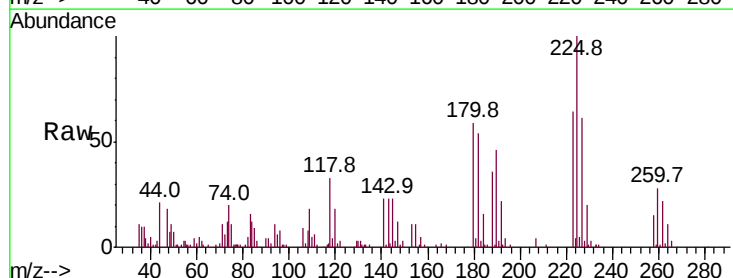
Tgt Ion:225 Resp: 31179

Ion Ratio Lower Upper

225 100

223 63.5 30.8 92.3

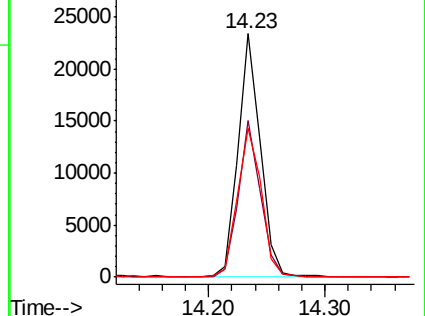
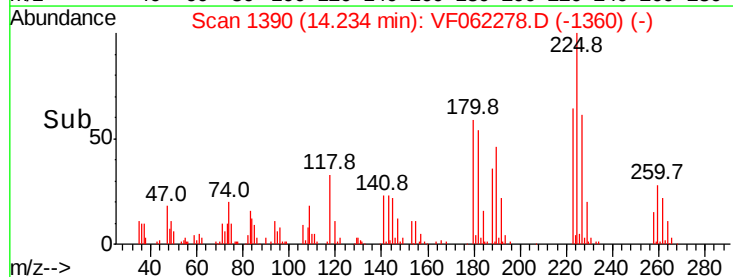
227 65.3 31.9 95.5

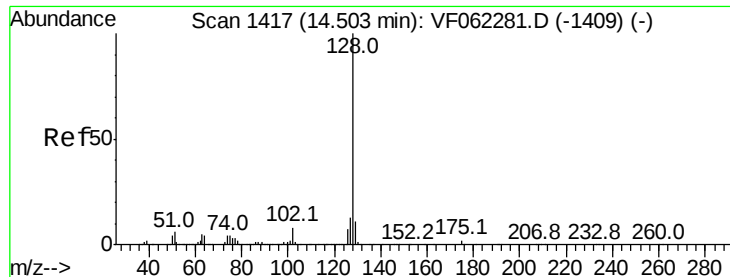


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.195 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

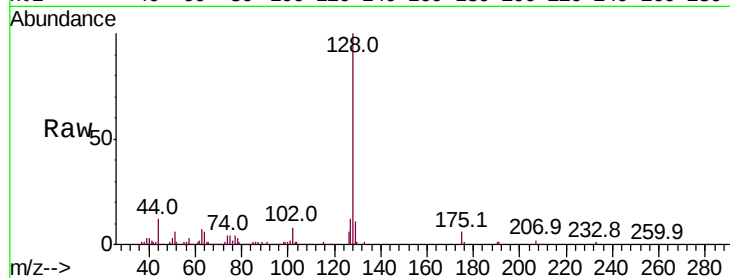
Tot Ion:128 Resp: 67585

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

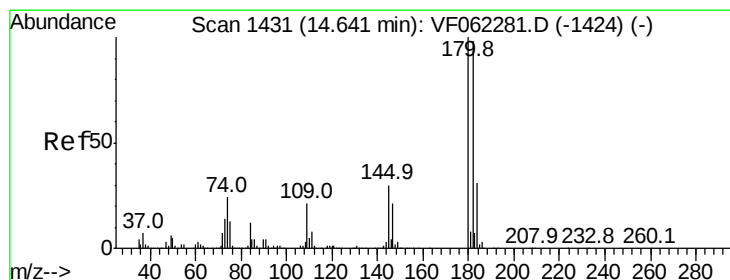
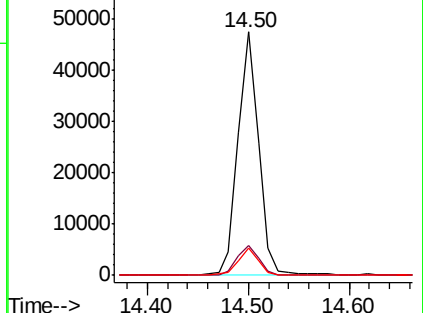
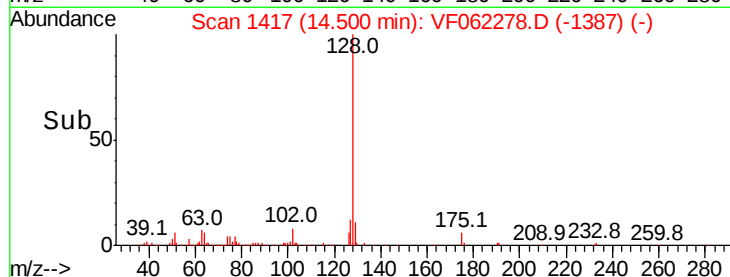
129 11.2 8.9 13.3



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: 4.932 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

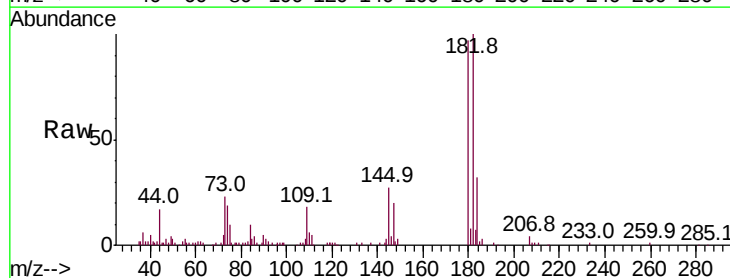
Tgt Ion:180 Resp: 39775

Ion Ratio Lower Upper

180 100

182 102.1 49.0 147.2

145 28.7 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

