

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062281.D
 Acq On : 24 Apr 2019 15:12
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 25 07:36:12 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	473734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	656655	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	479530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	263674	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	190777	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	4.32	113	249591	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	7.72	98	588669	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.51	95	230065	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	250606	42.759	ug/l	100
3) Chloromethane	1.15	50	209657	42.714	ug/l	100
4) Vinyl Chloride	1.20	62	198677	43.148	ug/l	100
5) Bromomethane	1.40	94	143563	46.194	ug/l	100
6) Chloroethane	1.45	64	95513	47.342	ug/l	100
7) Trichlorofluoromethane	1.56	101	329006	45.295	ug/l	100
8) Diethyl Ether	1.72	74	53696	41.132	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	200707	44.083	ug/l	100
10) Methyl Iodide	1.99	142	353408	44.595	ug/l	100
11) Tert butyl alcohol	2.70	59	53924	235.761	ug/l	100
12) 1,1-Dichloroethene	1.88	96	187685	44.925	ug/l	100
13) Acrolein	2.10	56	56044	369.975	ug/l	100
14) Allyl chloride	2.20	41	189820	30.137	ug/l	# 64
15) Acrylonitrile	3.09	53	158253	239.232	ug/l	100
16) Acetone	2.35	43	198639	231.442	ug/l	100
17) Carbon Disulfide	1.93	76	472532	43.620	ug/l	100
18) Methyl Acetate	2.47	43	71977	33.824	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	369573	48.012	ug/l	100
20) Methylene Chloride	2.35	84	123096	22.670	ug/l	99
21) trans-1,2-Dichloroethene	2.43	96	175152	43.650	ug/l	100
22) Diisopropyl ether	2.95	45	517683	43.182	ug/l	100
23) Vinyl Acetate	3.35	43	1201346	231.299	ug/l	100
24) 1,1-Dichloroethane	3.02	63	300317	44.655	ug/l	100
25) 2-Butanone	4.54	43	303078	222.807	ug/l	100
26) 2,2-Dichloropropane	3.78	77	160456	45.682	ug/l	100
27) cis-1,2-Dichloroethene	3.66	96	228304	44.479	ug/l	100
28) Bromochloromethane	3.92	49	137934	46.898	ug/l	# 100
29) Tetrahydrofuran	4.28	42	136835	230.795	ug/l	100
30) Chloroform	4.05	83	388963	46.369	ug/l	100
31) Cyclohexane	3.89	56	294214	45.225	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	246726	39.495	ug/l	# 82
36) 1,1-Dichloropropene	4.49	75	284725	45.653	ug/l	100
37) Ethyl Acetate	4.31	43	114061	44.542	ug/l	100
38) Carbon Tetrachloride	4.19	117	265216	43.521	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	334551	45.519	ug/l	100
40) Benzene	4.83	78	662070	44.012	ug/l	100
41) Methacrylonitrile	4.94	41	67766	47.377	ug/l	100
42) 1,2-Dichloroethane	5.14	62	216168	46.794	ug/l	100
43) Isopropyl Acetate	7.12	43	114418	42.363	ug/l	100
44) Trichloroethene	5.69	130	224377	44.101	ug/l	100
45) 1,2-Dichloropropane	6.42	63	146112	44.094	ug/l	100
46) Dibromomethane	6.27	93	110868	46.188	ug/l	100
47) Bromodichloromethane	6.57	83	255257	45.171	ug/l	100
48) Methyl methacrylate	6.88	41	80276	43.316	ug/l	100
49) 1,4-Dioxane	6.88	88	18839	888.184	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	436082	211.017	ug/l	100
52) Toluene	7.79	92	375011	43.465	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	184757	44.894	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	240357	44.978	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	107652	45.651	ug/l	100
56) Ethyl methacrylate	8.77	69	115796	43.926	ug/l	100
57) 1,3-Dichloropropane	9.00	76	166422	44.875	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	193702	237.850	ug/l	100
59) 2-Hexanone	9.63	43	277702	137.797	ug/l	100
60) Dibromochloromethane	8.86	129	178664	47.019	ug/l	100
61) 1,2-Dibromoethane	9.14	107	127525	46.407	ug/l	100
64) Tetrachloroethene	8.31	164	185579	45.025	ug/l	100
65) Chlorobenzene	9.94	112	400123	44.989	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	193915	45.234	ug/l	100
67) Ethyl Benzene	10.04	91	684614	43.395	ug/l	100
68) m/p-Xylenes	10.26	106	512853	88.041	ug/l	100
69) o-Xylene	10.83	106	295124	45.134	ug/l	100
70) Styrene	10.90	104	410997	43.447	ug/l	100
71) Bromoform	10.89	173	110308	47.409	ug/l	100
73) Isopropylbenzene	11.22	105	876098	46.540	ug/l	100
74) N-amyl acetate	11.46	43	174281	40.777	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	141498	50.264	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	96049	47.281	ug/l #	100
77) Bromobenzene	11.59	156	214387	47.221	ug/l	100
78) n-propylbenzene	11.68	91	884098	45.131	ug/l	100
79) 2-Chlorotoluene	11.80	91	539284	46.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	730902	46.405	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	55283	46.865	ug/l #	70
82) 4-Chlorotoluene	11.98	91	536930	46.538	ug/l	100
83) tert-Butylbenzene	12.21	119	732066	44.329	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	669283	43.210	ug/l	100
85) sec-Butylbenzene	12.37	105	924177	45.081	ug/l	100
86) p-Isopropyltoluene	12.52	119	799388	43.806	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	352007	42.610	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	346472	44.726	ug/l	100
89) n-Butylbenzene	12.91	91	709882	41.714	ug/l	100
90) Hexachloroethane	12.98	117	212875	47.018	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	345168	43.464	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	27954	48.852	ug/l	100

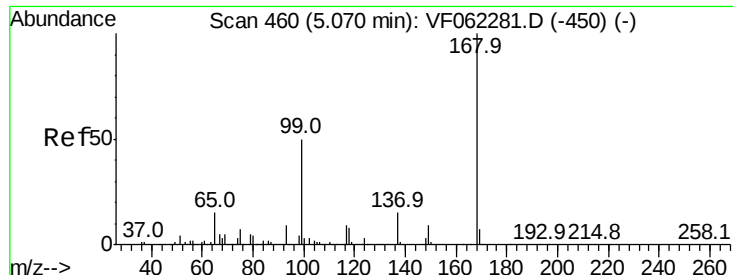
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	312324	44.388	ug/l	100
94) Hexachlorobutadiene	14.24	225	231516	46.357	ug/l	100
95) Naphthalene	14.50	128	499901	47.849	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	300002	46.324	ug/l	100

(#) = 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: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

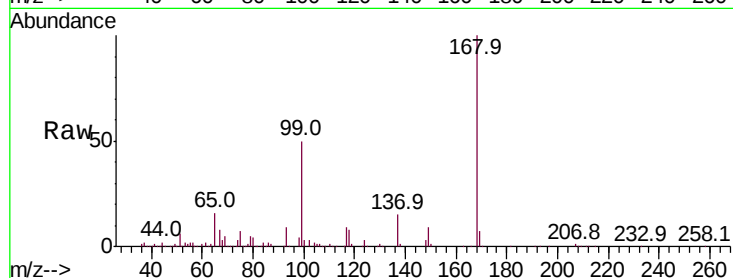
VSTDICCC050

Tot Ion:168 Resp: 473734

Ion Ratio Lower Upper

168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.07

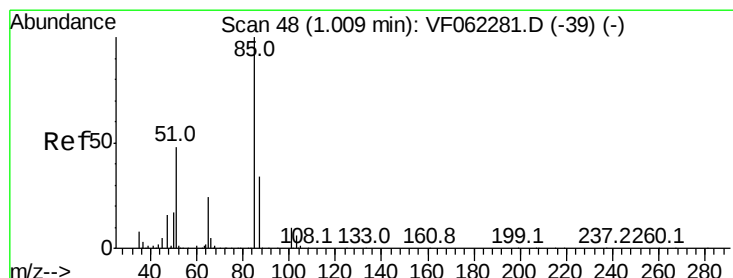
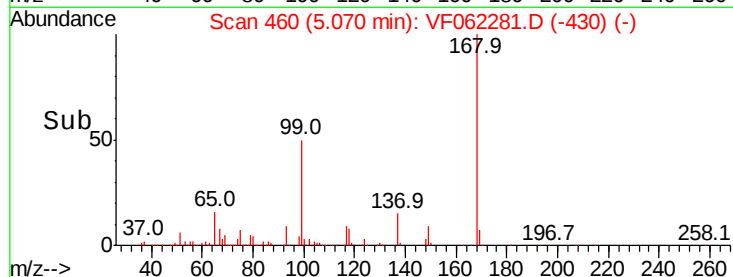
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.759 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062281.D

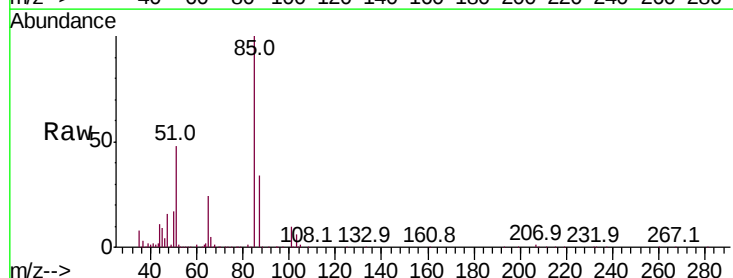
Acq: 24 Apr 2019 15:12

Tgt Ion: 85 Resp: 250606

Ion Ratio Lower Upper

85 100

87 34.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

80000

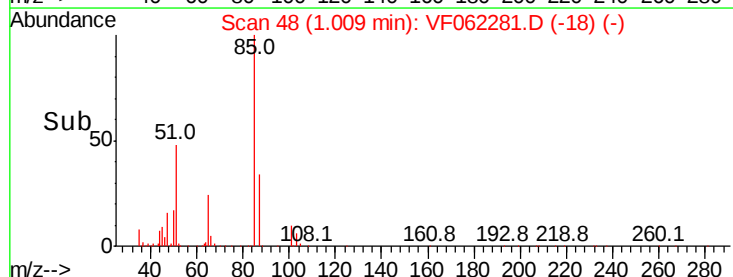
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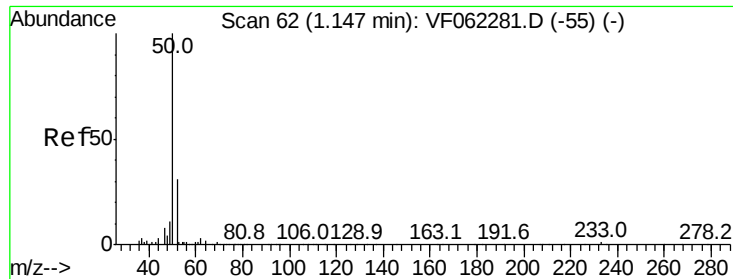
40000

20000

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Time-->





#3

Chloromethane

Concen: 42.714 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

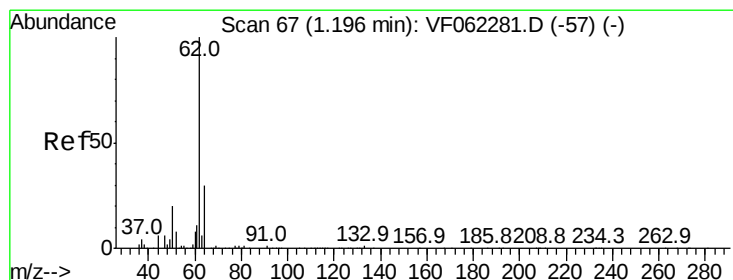
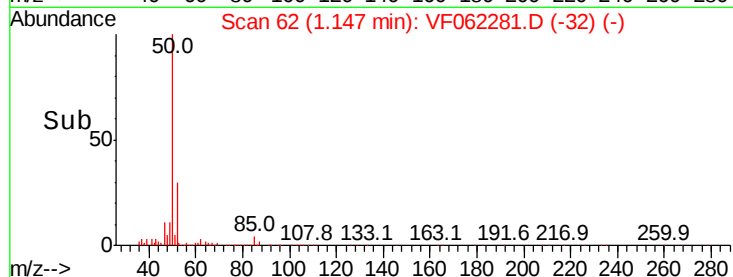
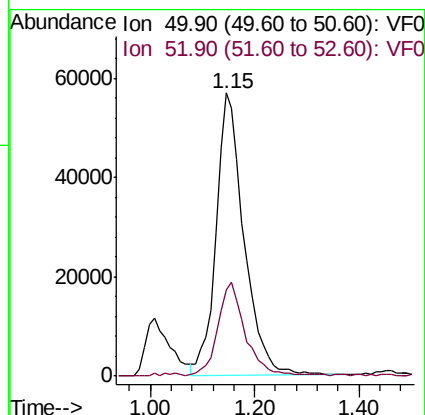
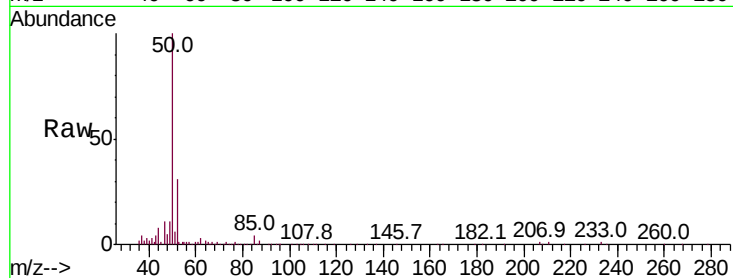
VSTDICCC050

Tot Ion: 50 Resp: 209657

Ion Ratio Lower Upper

50 100

52 30.3 24.2 36.4



#4

Vinyl Chloride

Concen: 43.148 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062281.D

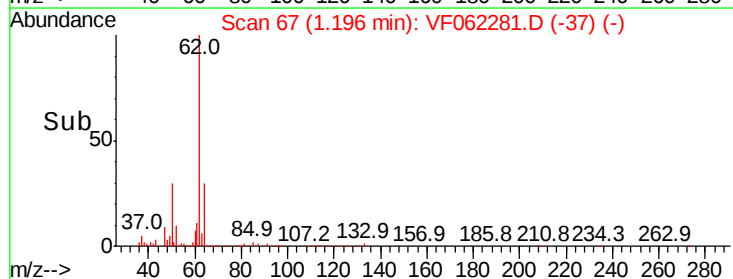
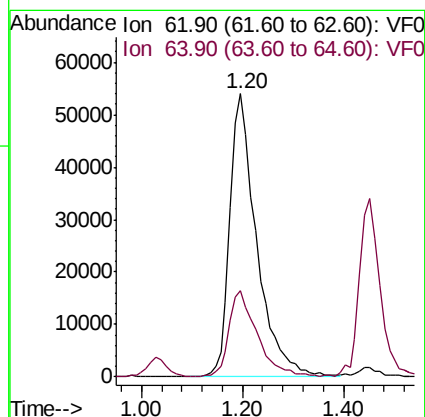
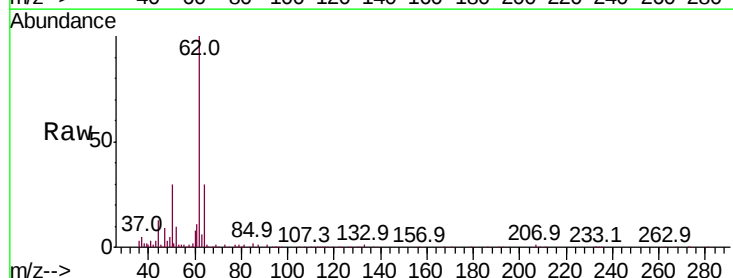
Acq: 24 Apr 2019 15:12

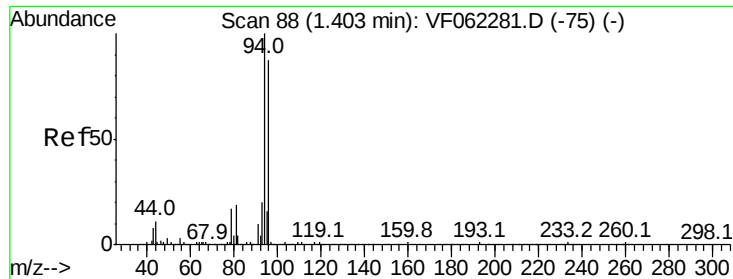
Tgt Ion: 62 Resp: 198677

Ion Ratio Lower Upper

62 100

64 30.4 24.3 36.5





#5

Bromomethane

Concen: 46.194 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

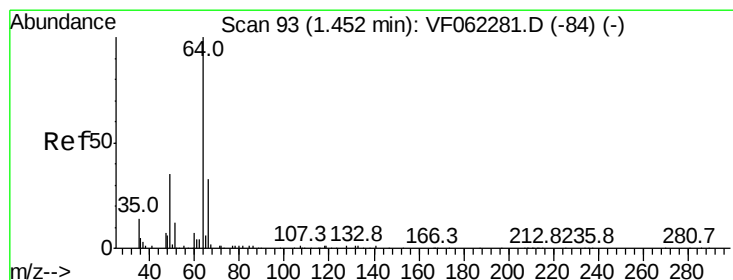
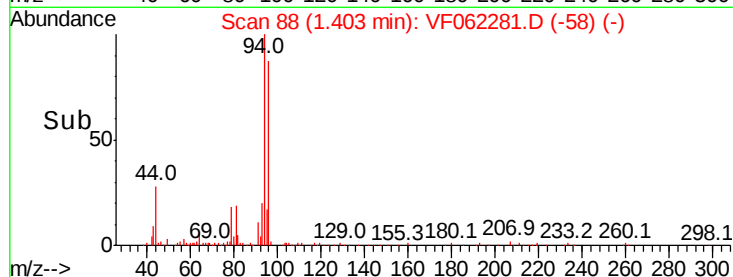
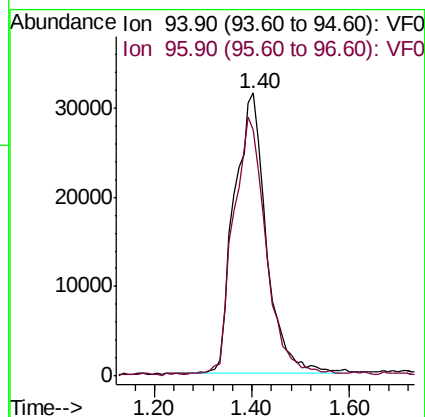
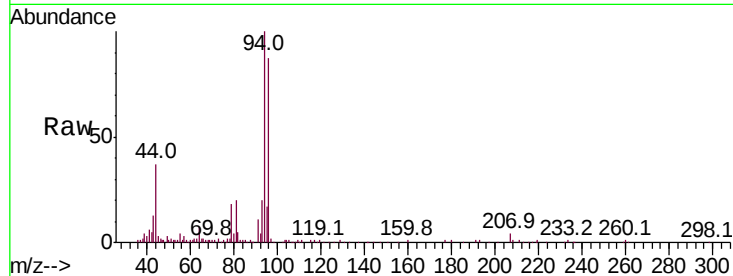
VSTDICCC050

Tot Ion: 94 Resp: 143563

Ion Ratio Lower Upper

94 100

96 86.9 69.5 104.3



#6

Chloroethane

Concen: 47.342 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062281.D

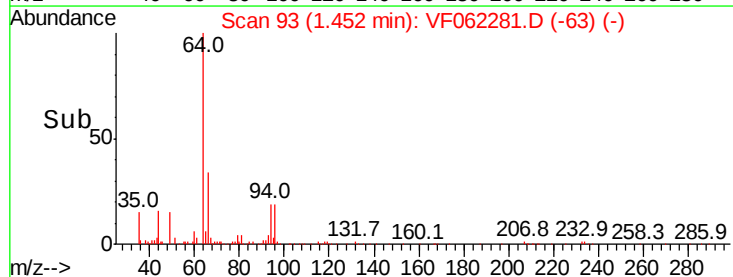
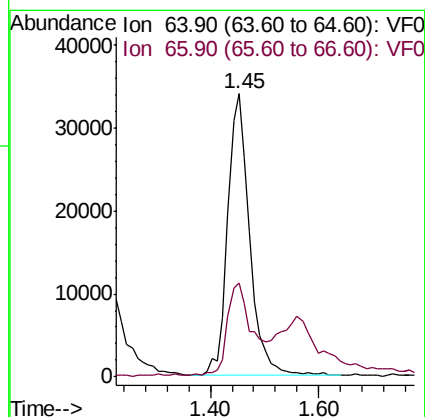
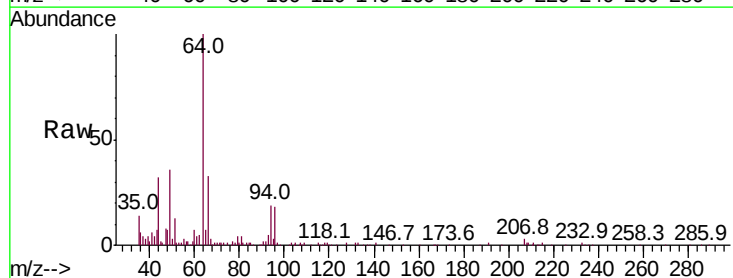
Acq: 24 Apr 2019 15:12

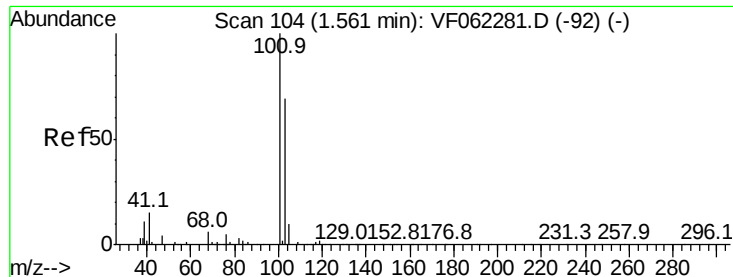
Tgt Ion: 64 Resp: 95513

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



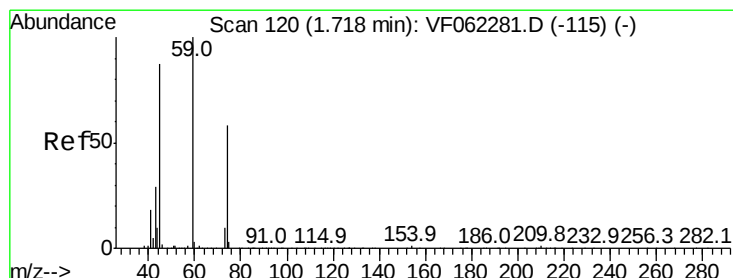
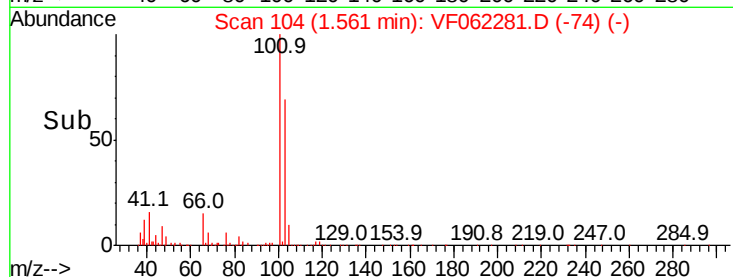
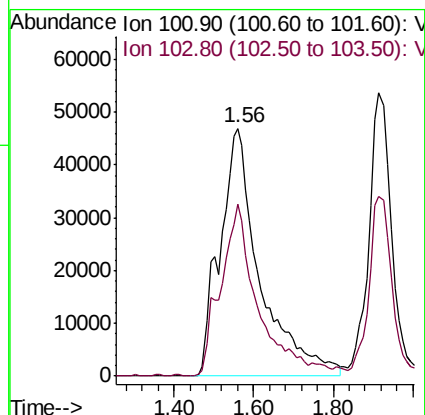
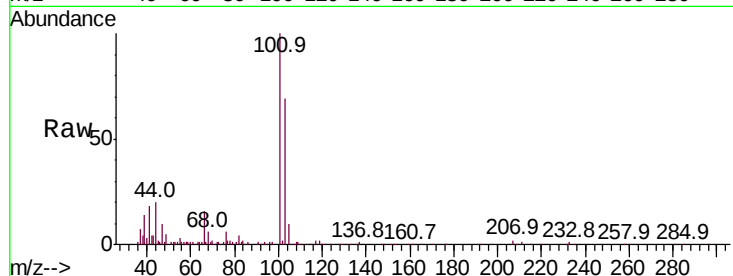


#7

Trichlorofluoromethane
Concen: 45.295 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Instrument :
MSVOA_F
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VSTDICCC050

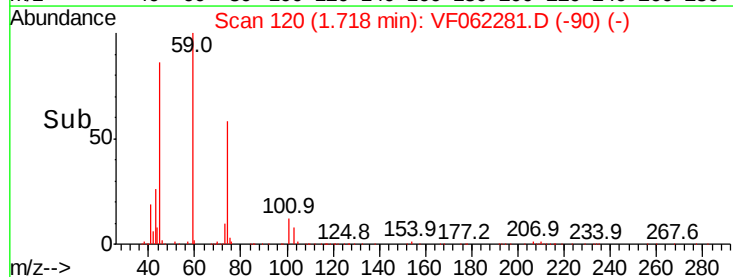
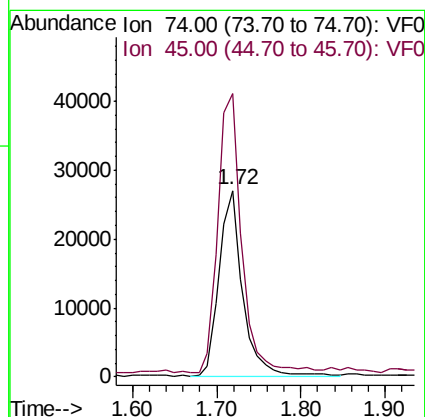
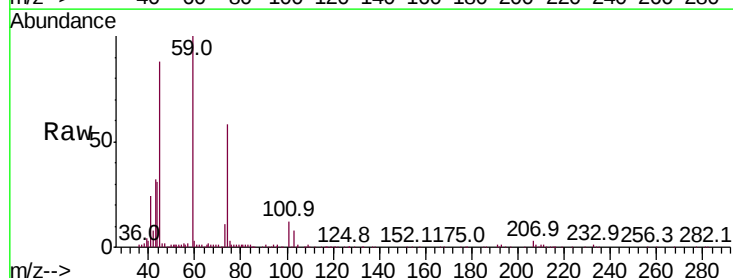
Tot Ion:101 Resp: 329006
Ion Ratio Lower Upper
101 100
103 68.8 55.0 82.6

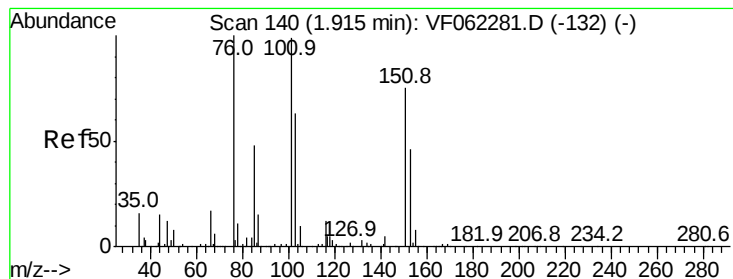


#8

Diethyl Ether
Concen: 41.132 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion: 74 Resp: 53696
Ion Ratio Lower Upper
74 100
45 148.0 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.083 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

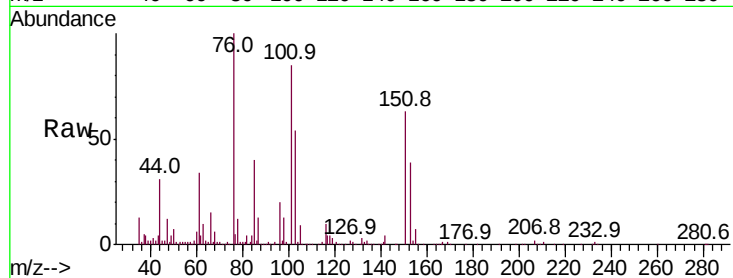
Tot Ion:101 Resp: 200707

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

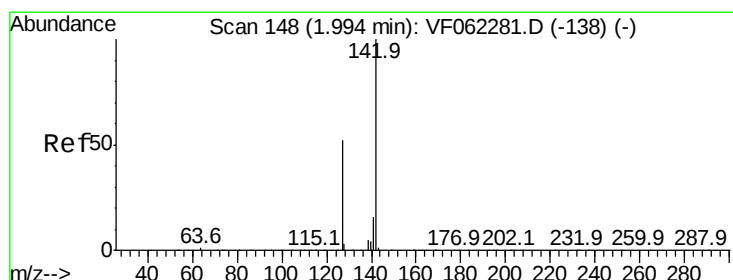
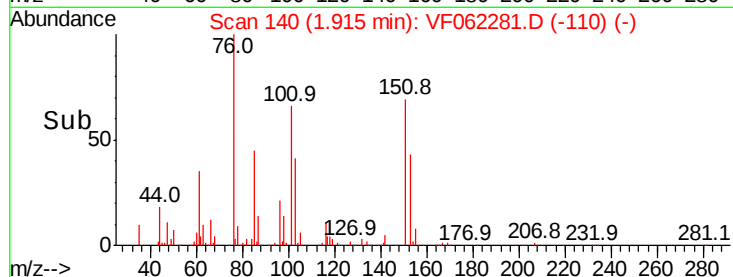
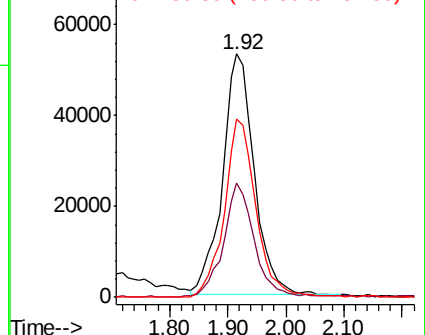
151 74.0 59.2 88.8



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: 44.595 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

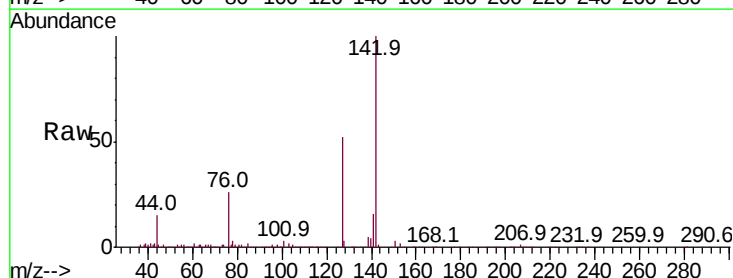
Tgt Ion:142 Resp: 353408

Ion Ratio Lower Upper

142 100

127 53.7 43.0 64.4

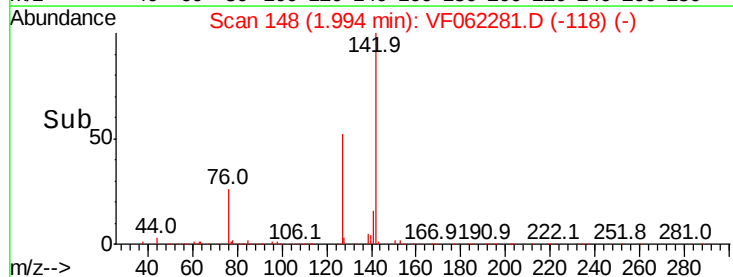
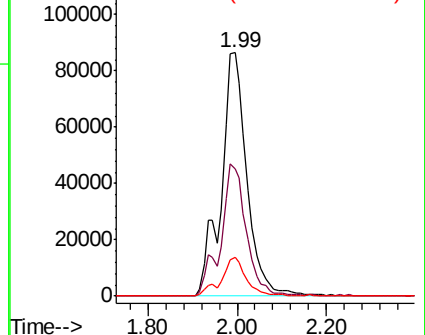
141 15.4 12.3 18.5

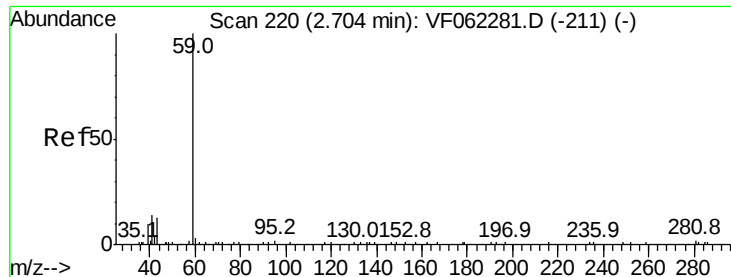


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



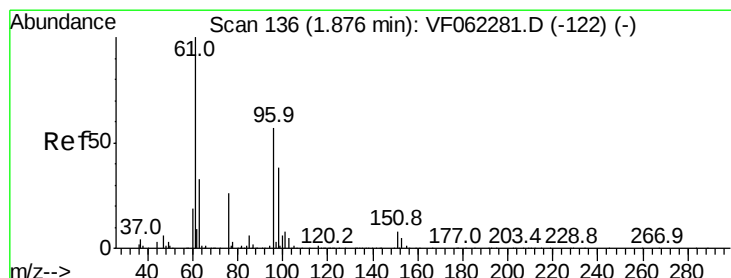
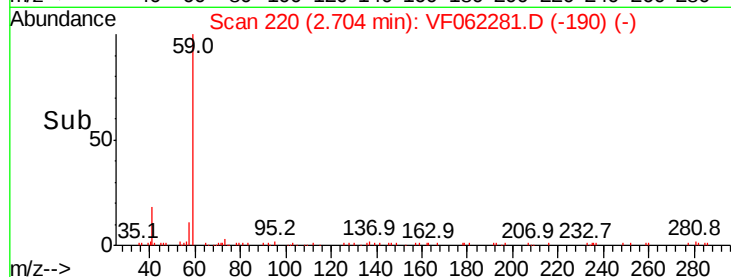
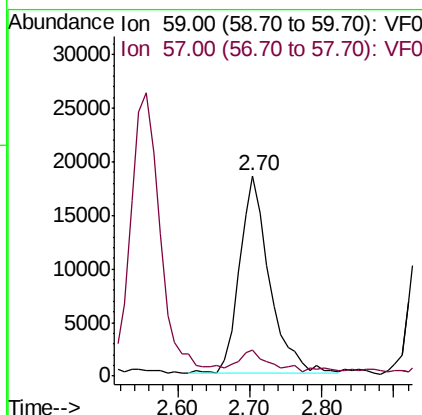
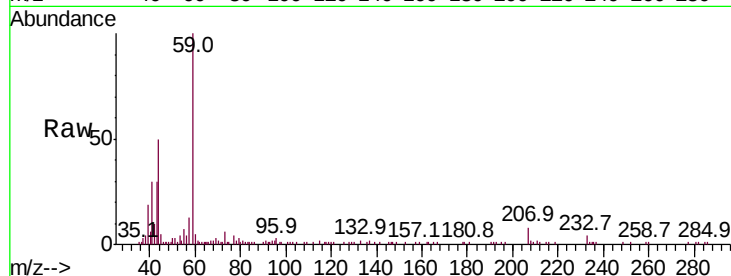


#11

Tert butyl alcohol
 Concen: 235.761 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

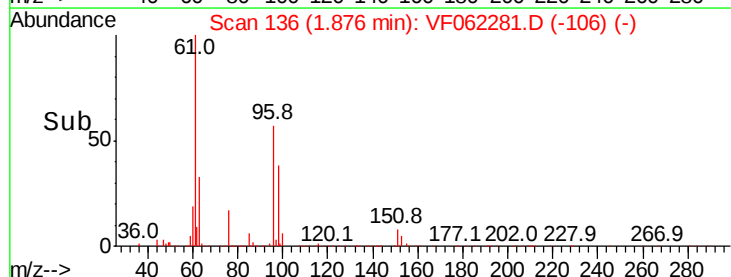
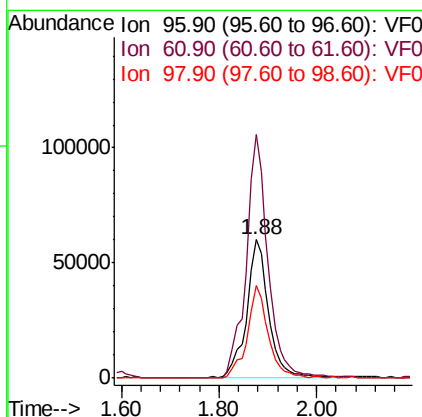
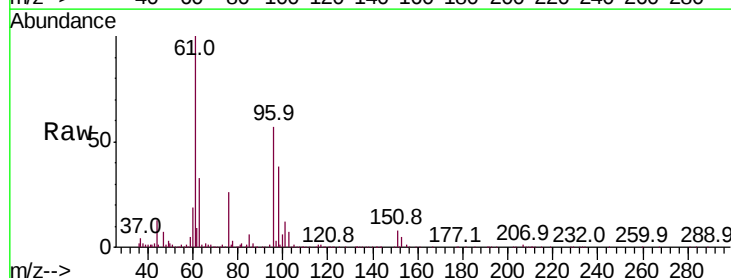
Tot Ion: 59 Resp: 53924
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.8 13.2

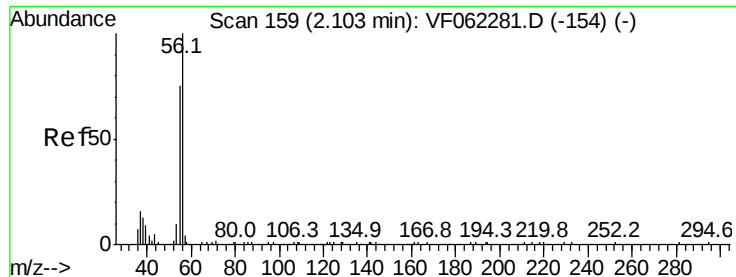


#12

1,1-Dichloroethene
 Concen: 44.925 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Tgt Ion: 96 Resp: 187685
 Ion Ratio Lower Upper
 96 100
 61 176.4 141.1 211.7
 98 66.7 53.4 80.0

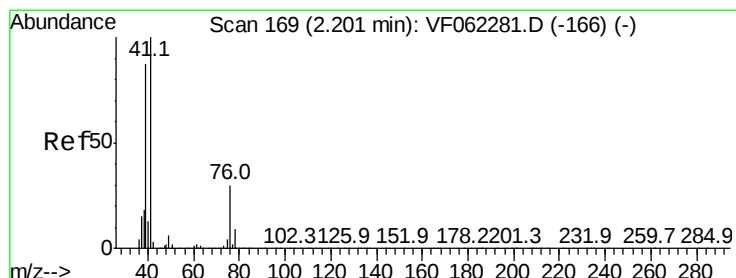
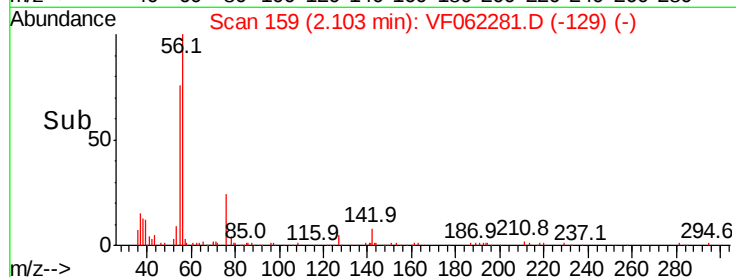
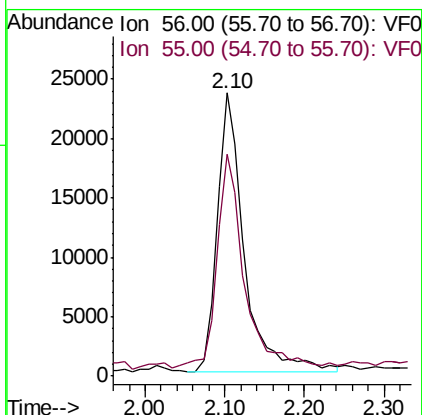
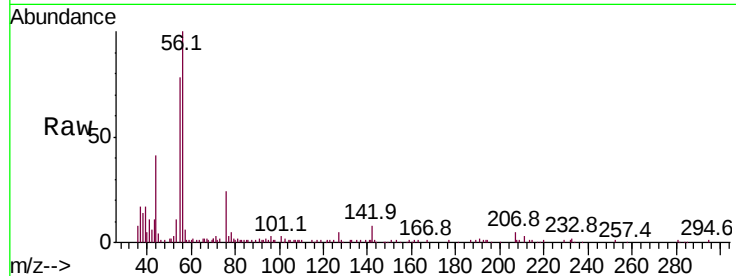




#13
Acrolein
Concen: 369.975 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

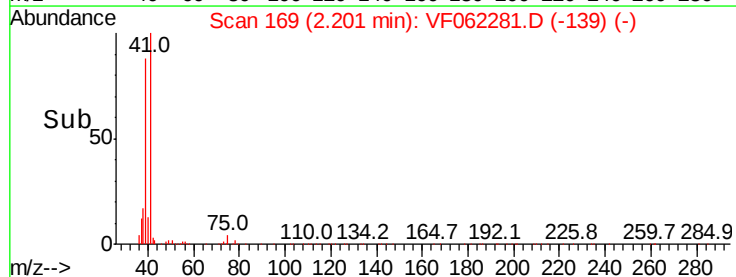
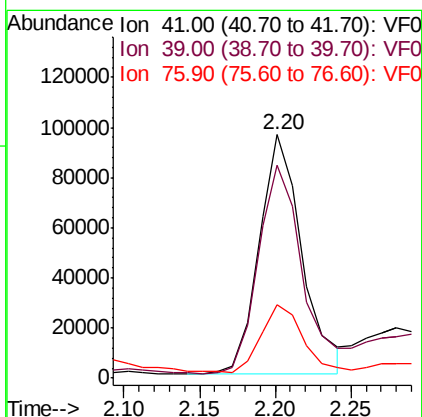
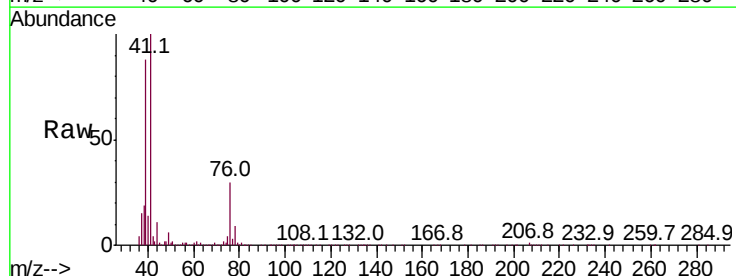
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

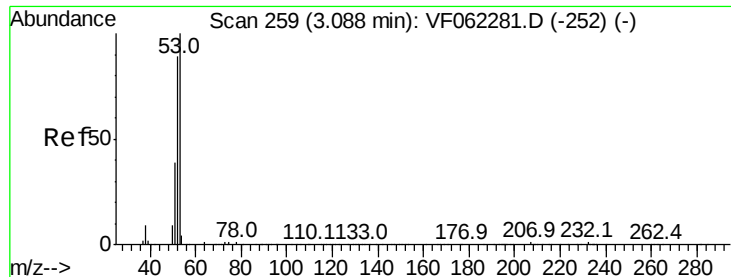
Tot Ion: 56 Resp: 56044
Ion Ratio Lower Upper
56 100
55 77.9 62.3 93.5



#14
Allyl chloride
Concen: 30.137 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion: 41 Resp: 189820
Ion Ratio Lower Upper
41 100
39 94.3 50.3 75.5#
76 27.7 14.8 22.2#





#15

Acrylonitrile

Concen: 239.232 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

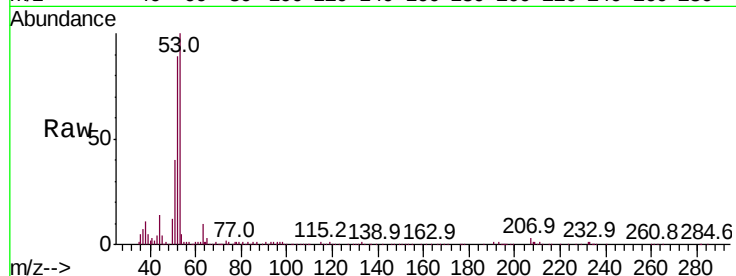
Tot Ion: 53 Resp: 158253

Ion Ratio Lower Upper

53 100

52 88.2 70.6 105.8

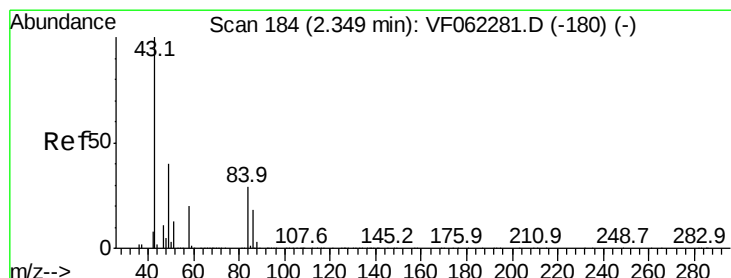
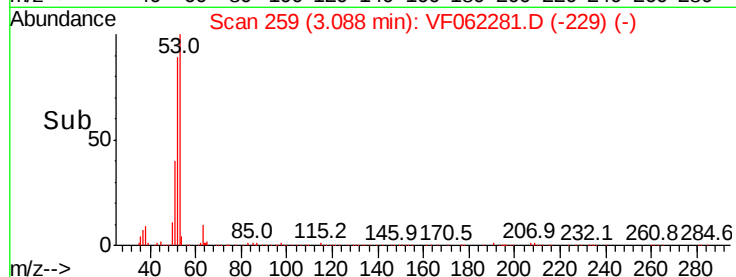
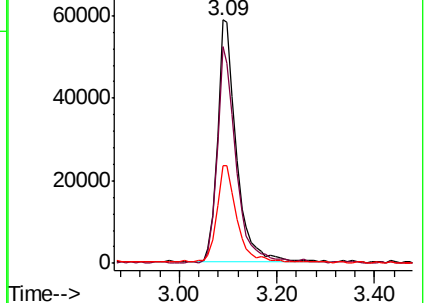
51 40.7 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 231.442 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF062281.D

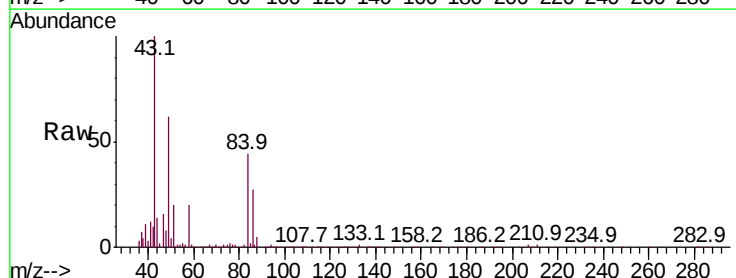
Acq: 24 Apr 2019 15:12

Tgt Ion: 43 Resp: 198639

Ion Ratio Lower Upper

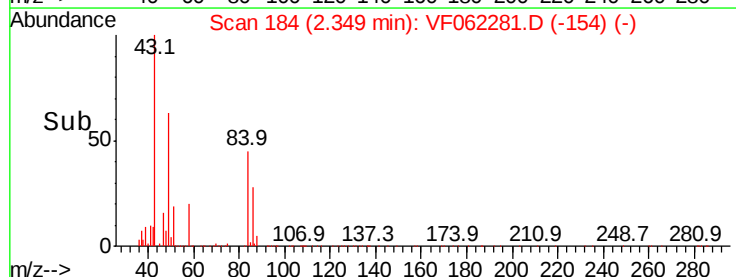
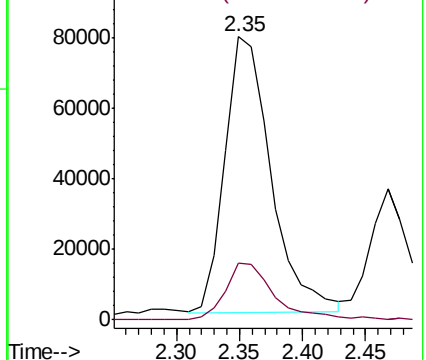
43 100

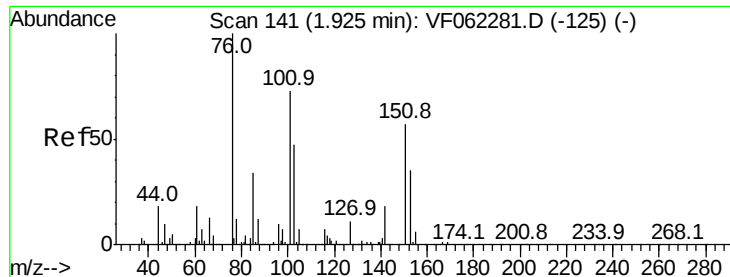
58 20.5 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

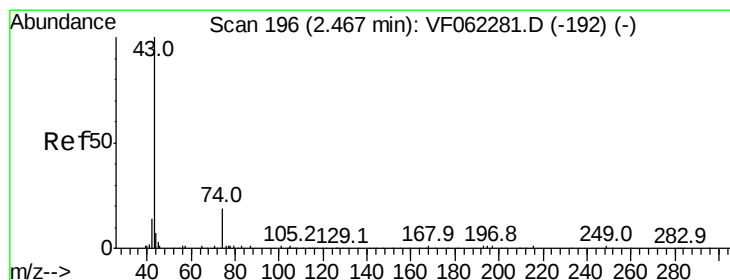
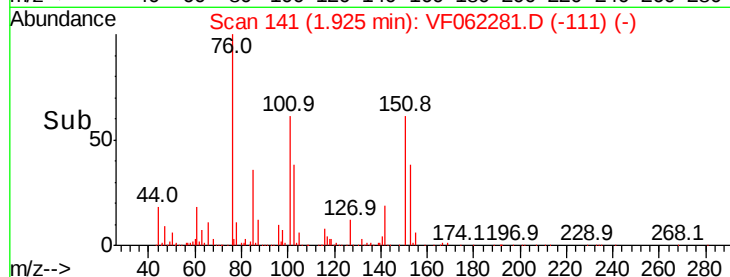
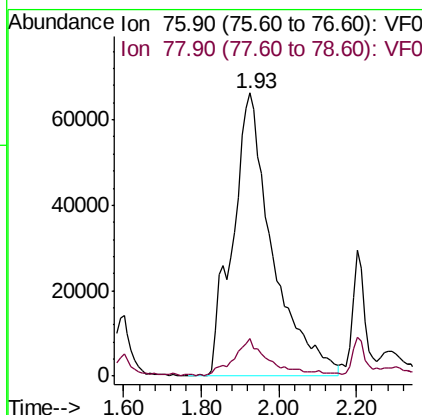
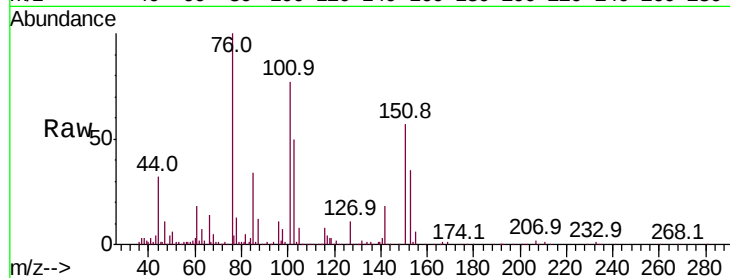




#17
Carbon Disulfide
Concen: 43.620 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

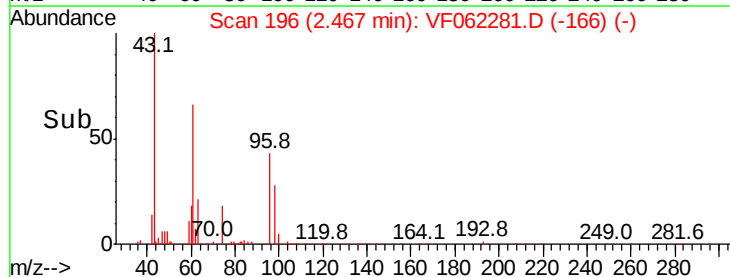
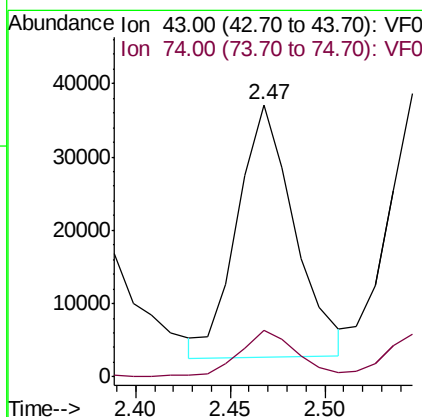
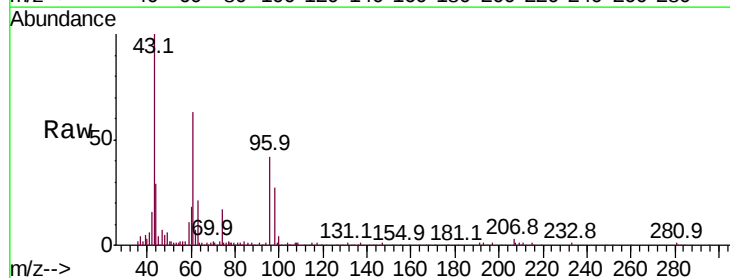
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

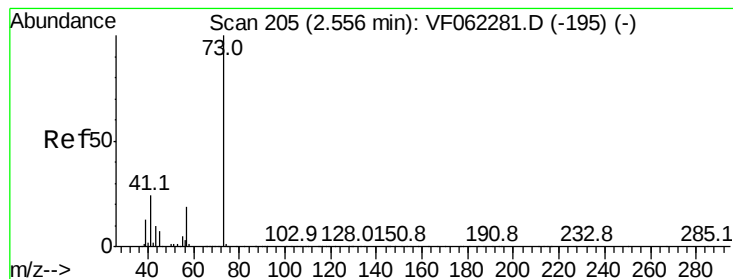
Tot Ion: 76 Resp: 472532
Ion Ratio Lower Upper
76 100
78 12.3 9.8 14.8



#18
Methyl Acetate
Concen: 33.824 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion: 43 Resp: 71977
Ion Ratio Lower Upper
43 100
74 18.0 14.4 21.6



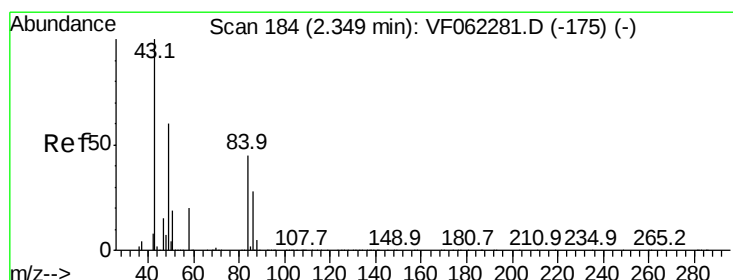
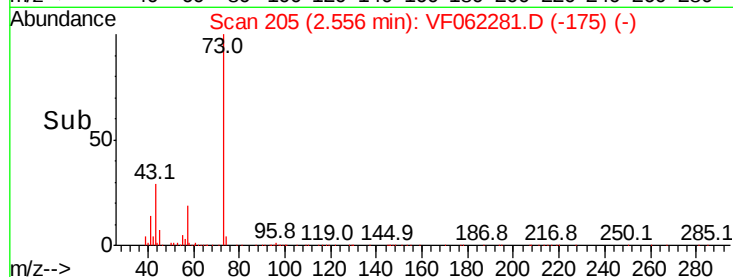
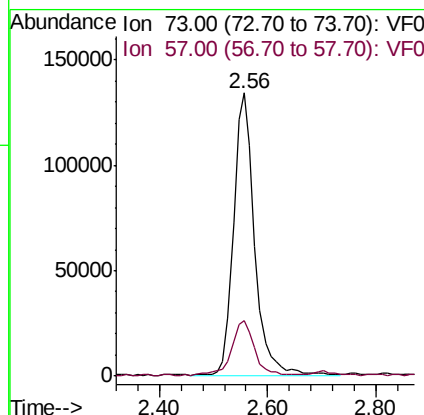
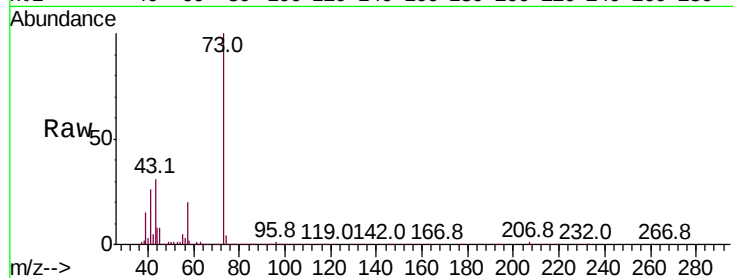


#19

Methyl tert-butyl Ether
 Concen: 48.012 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

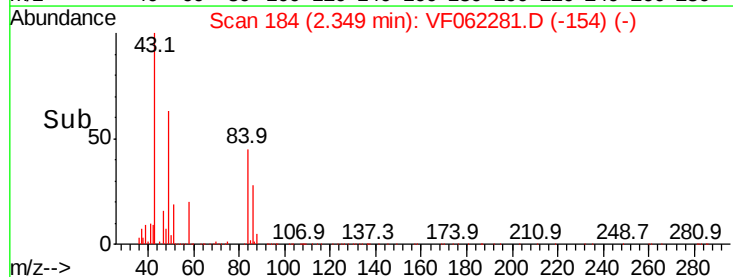
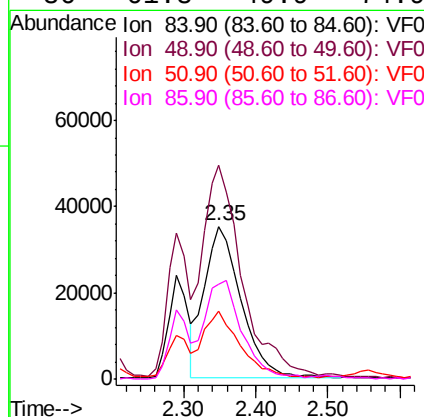
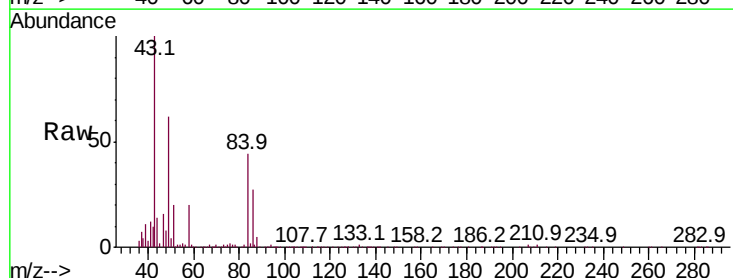
Tot Ion: 73 Resp: 369573
 Ion Ratio Lower Upper
 73 100
 57 19.4 15.5 23.3

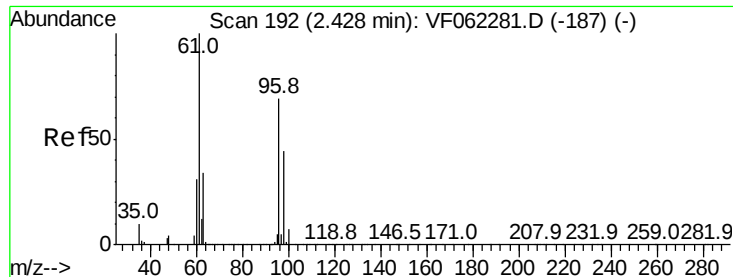


#20

Methylene Chloride
 Concen: 22.670 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Tgt Ion: 84 Resp: 123096
 Ion Ratio Lower Upper
 84 100
 49 139.5 112.1 168.1
 51 43.5 35.9 53.9
 86 61.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 43.650 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

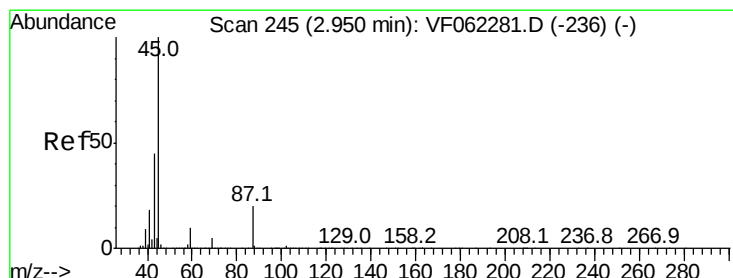
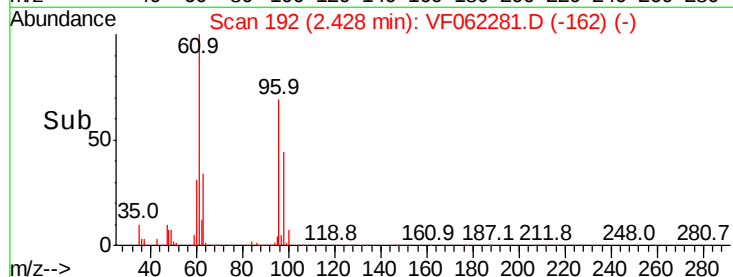
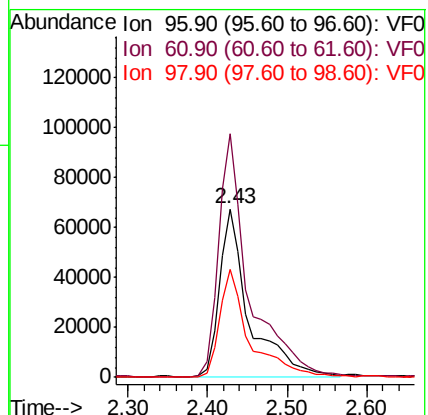
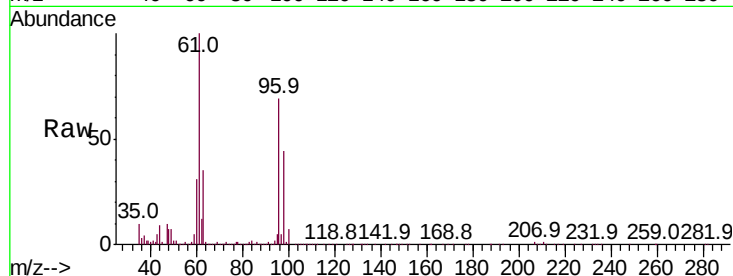
Tot Ion: 96 Resp: 175152

Ion Ratio Lower Upper

96 100

61 145.2 116.2 174.2

98 64.2 51.4 77.0



#22

Diisopropyl ether

Concen: 43.182 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Tgt Ion: 45 Resp: 517683

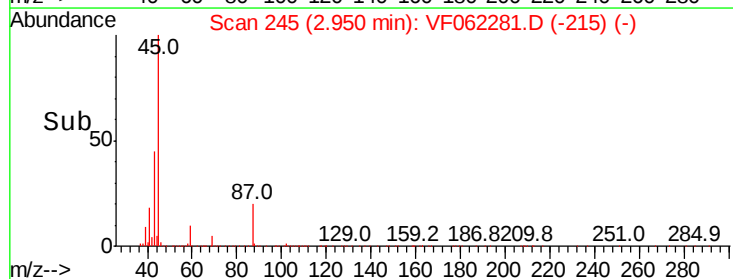
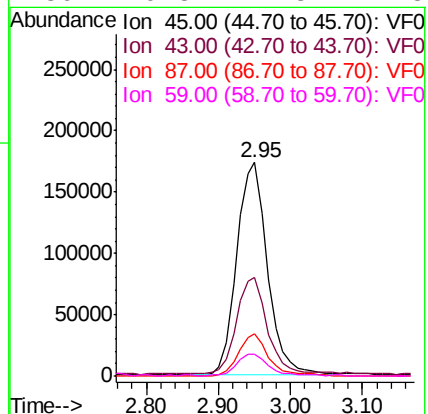
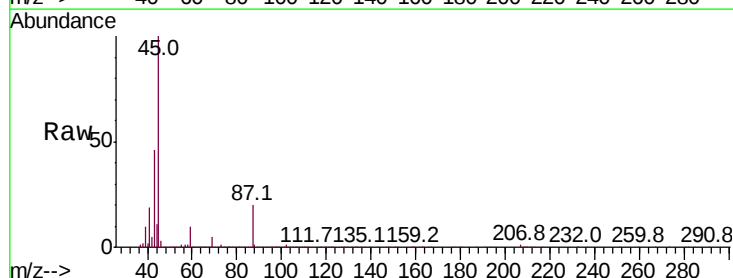
Ion Ratio Lower Upper

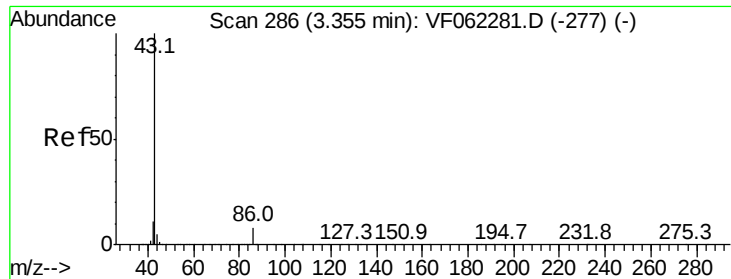
45 100

43 45.2 36.2 54.2

87 19.7 15.8 23.6

59 9.8 7.8 11.8





#23

Vinyl Acetate

Concen: 231.299 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

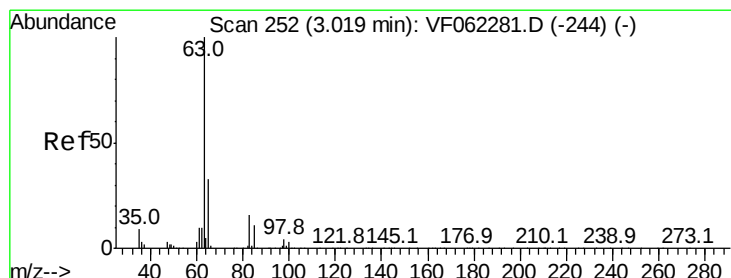
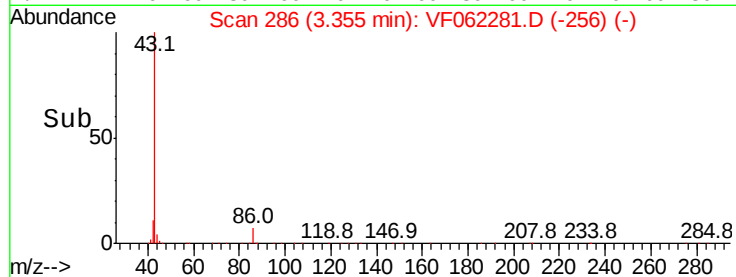
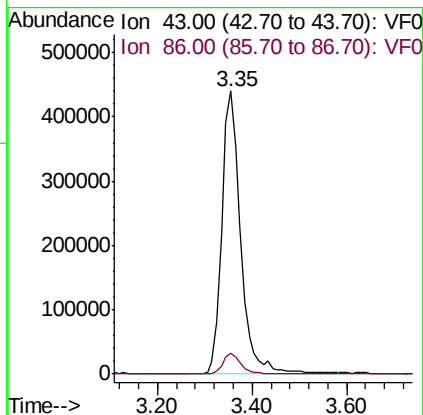
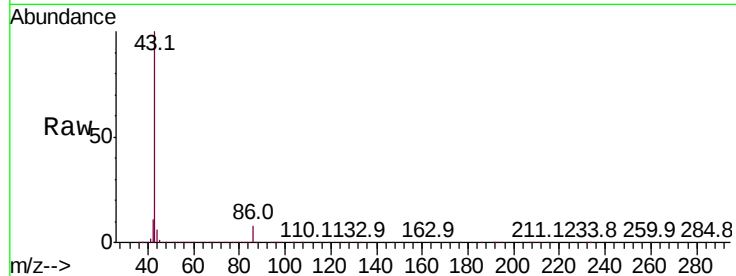
VSTDICCC050

Tot Ion: 43 Resp: 1201346

Ion Ratio Lower Upper

43 100

86 7.5 6.0 9.0



#24

1,1-Dichloroethane

Concen: 44.655 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

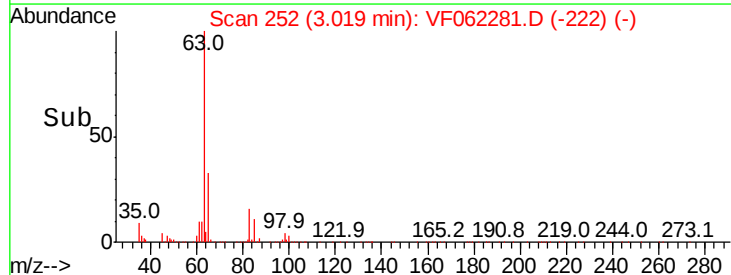
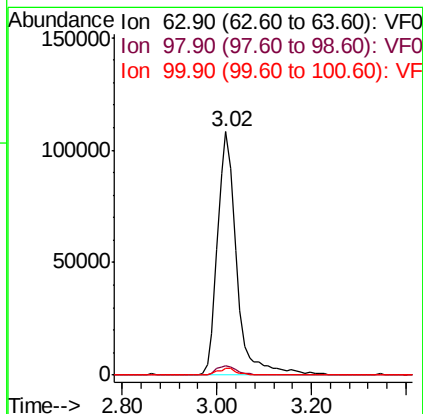
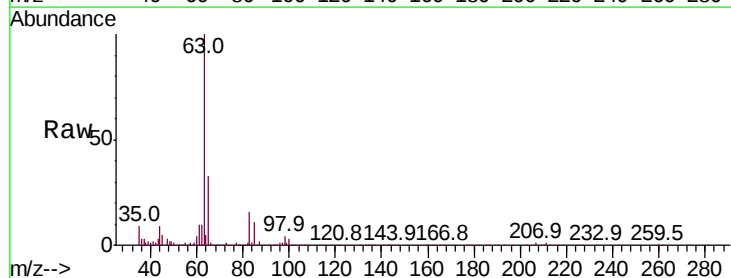
Tgt Ion: 63 Resp: 300317

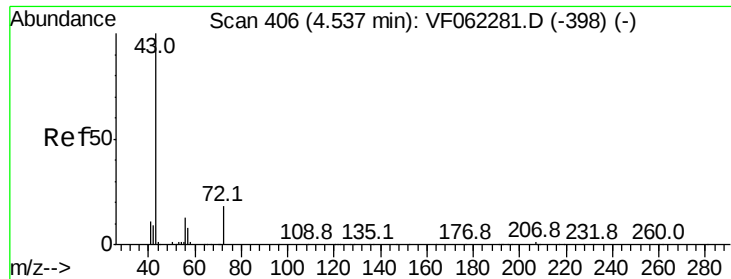
Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 222.807 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

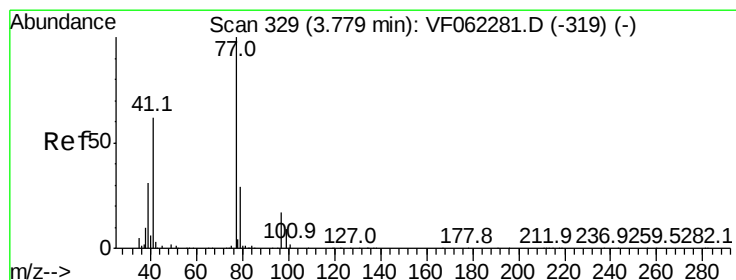
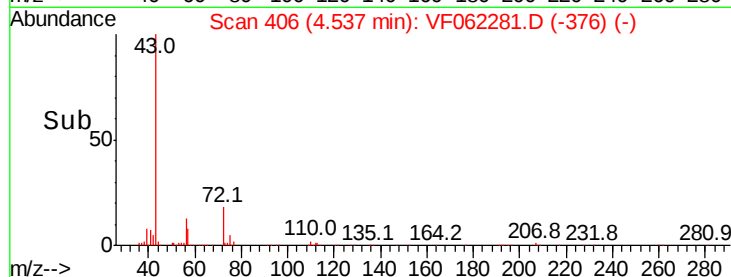
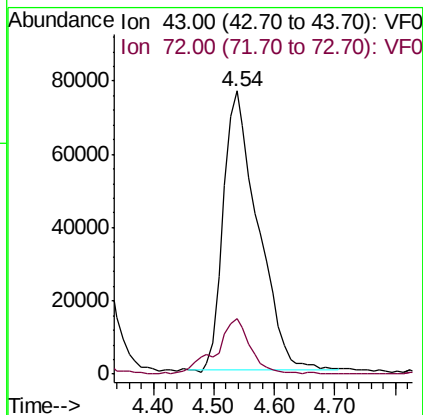
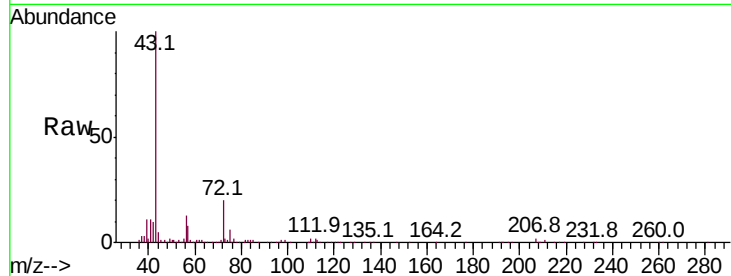
VSTDICCC050

Tot Ion: 43 Resp: 303078

Ion Ratio Lower Upper

43 100

72 19.7 15.8 23.6



#26

2,2-Dichloropropane

Concen: 45.682 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062281.D

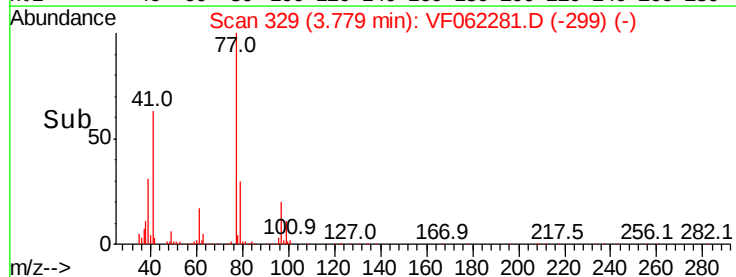
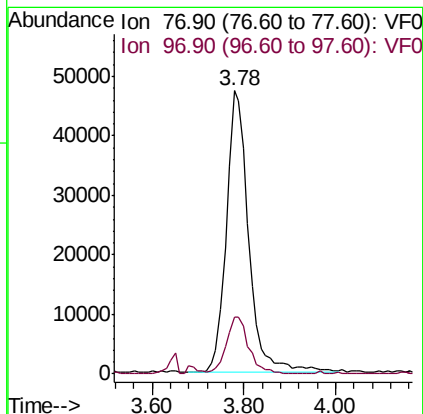
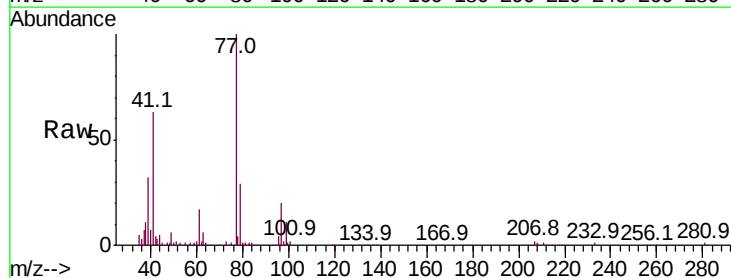
Acq: 24 Apr 2019 15:12

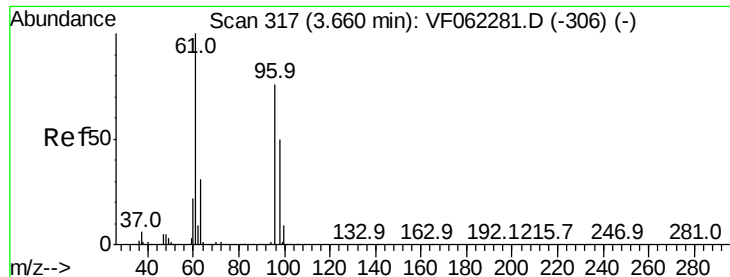
Tgt Ion: 77 Resp: 160456

Ion Ratio Lower Upper

77 100

97 20.5 10.3 30.8



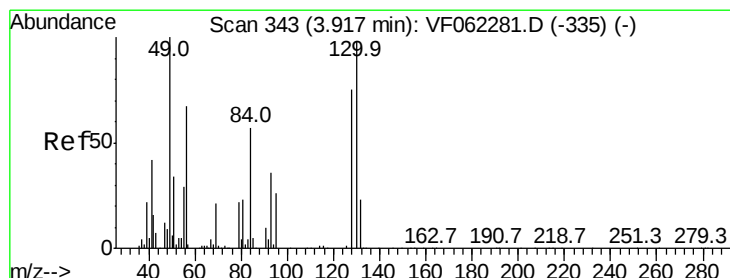
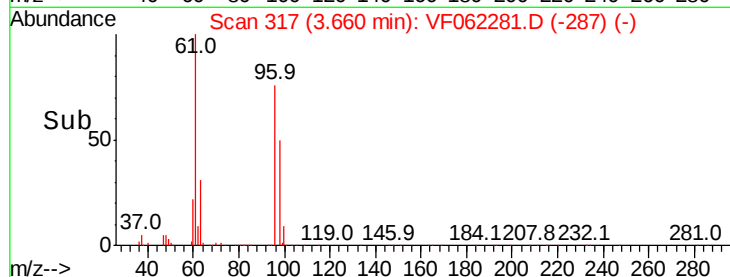
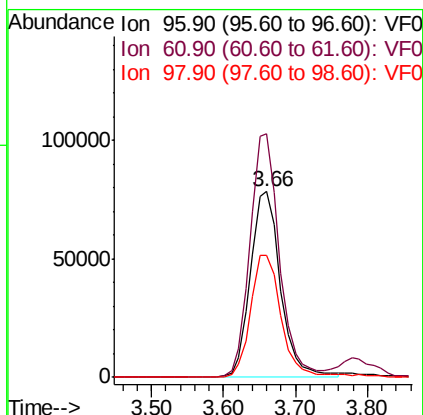
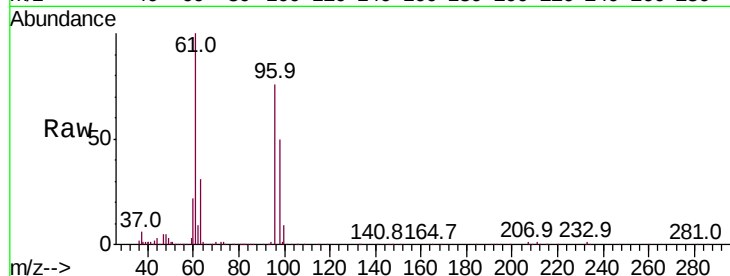


#27

cis-1,2-Dichloroethene
Concen: 44.479 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

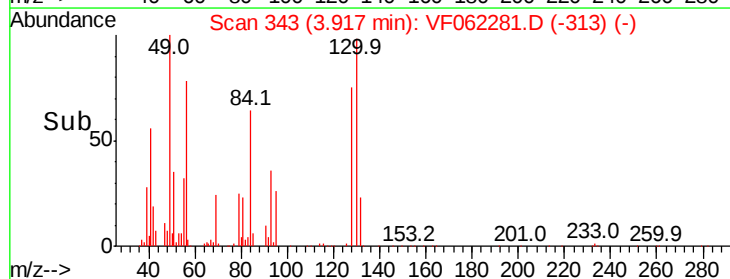
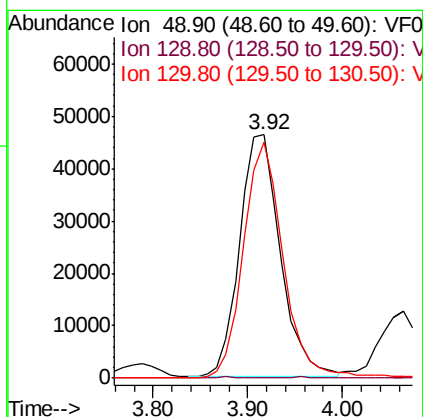
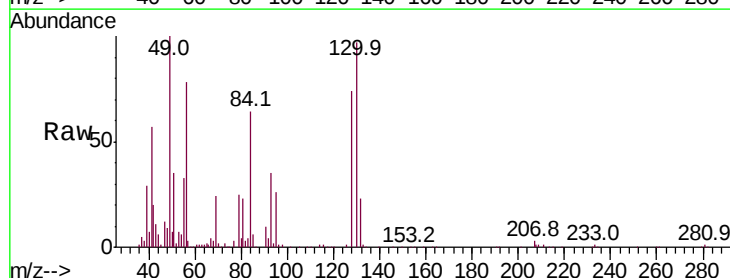
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	257.6
98	68.7	0.0	137.4

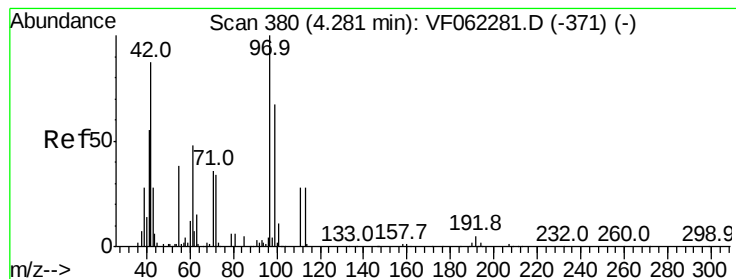


#28

Bromochloromethane
Concen: 46.898 ug/l
RT: 3.92 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	96.2	77.0	115.4





#29

Tetrahydrofuran

Concen: 230.795 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

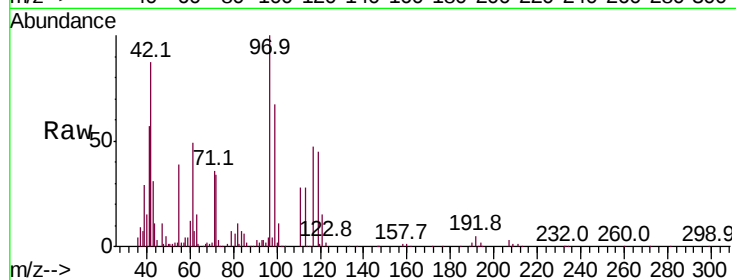
Tot Ion: 42 Resp: 136835

Ion Ratio Lower Upper

42 100

72 36.6 29.3 43.9

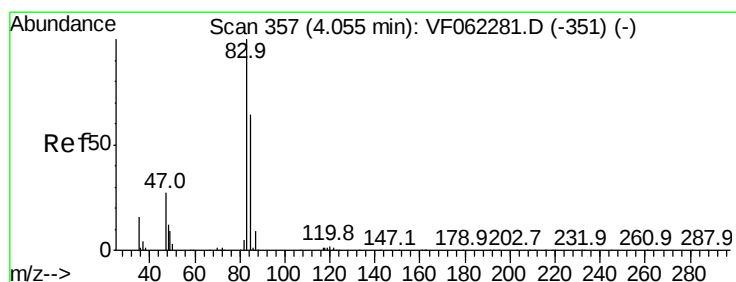
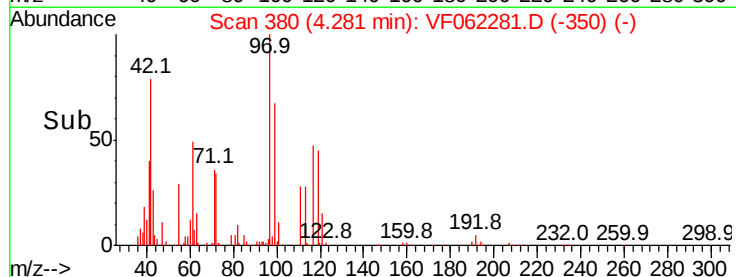
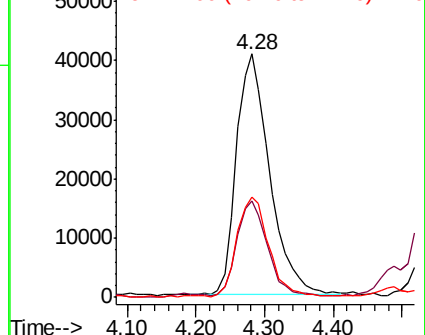
71 39.0 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 46.369 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF062281.D

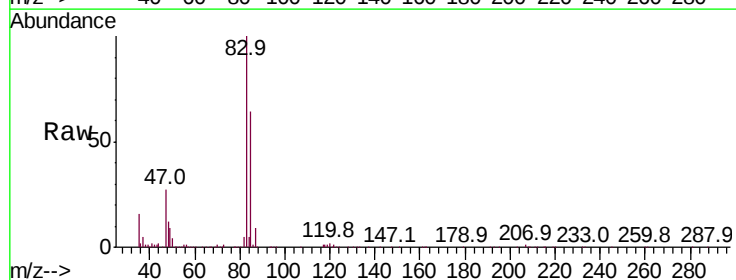
Acq: 24 Apr 2019 15:12

Tgt Ion: 83 Resp: 388963

Ion Ratio Lower Upper

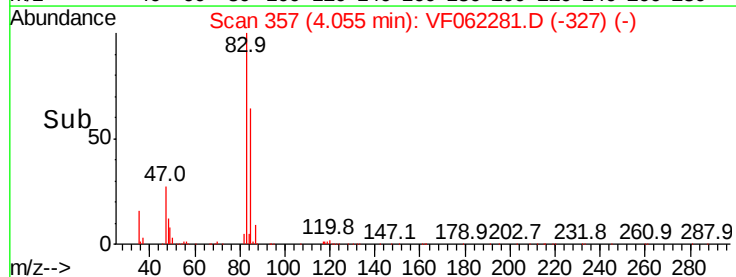
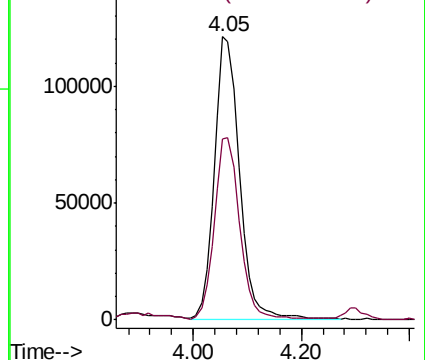
83 100

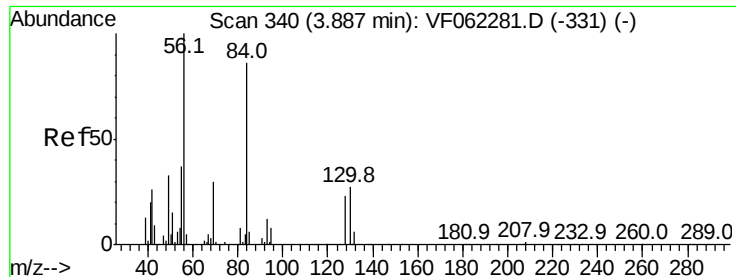
85 63.9 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

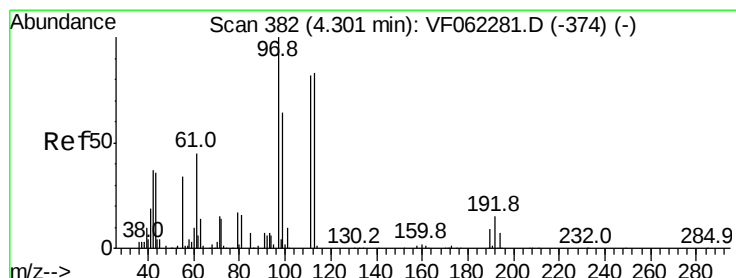
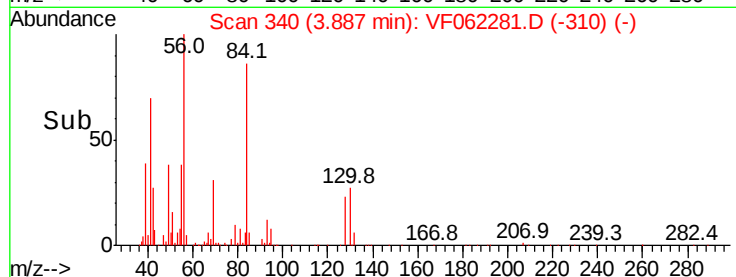
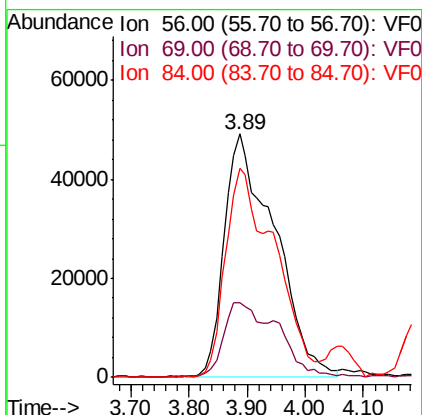
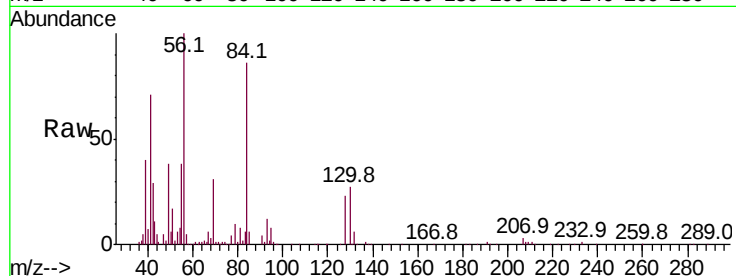




#31
Cyclohexane
Concen: 45.225 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

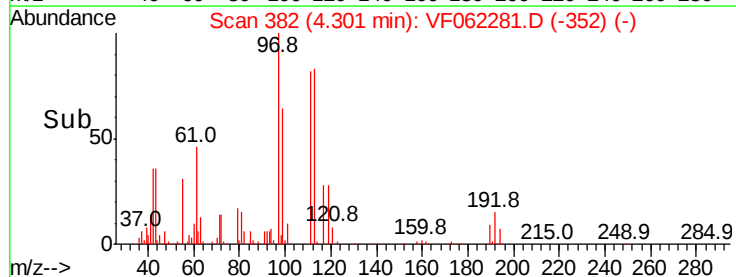
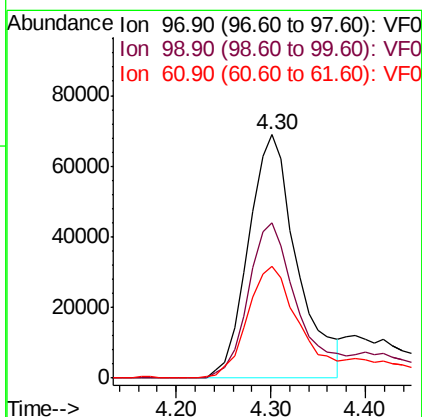
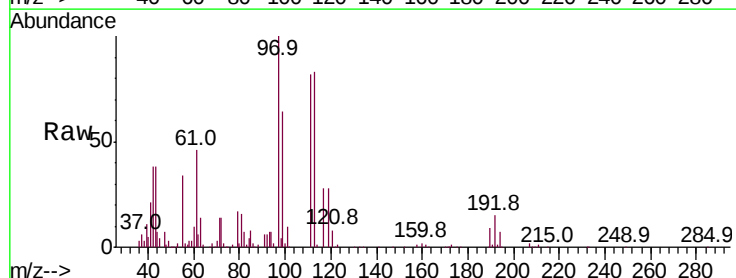
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

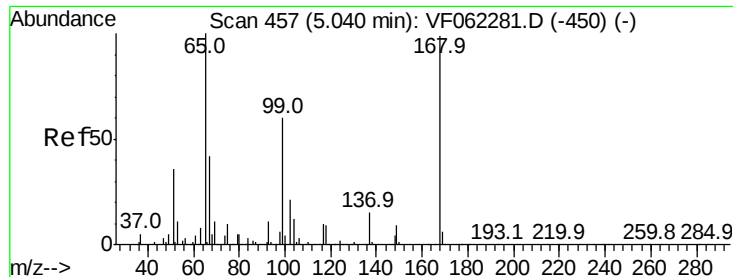
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.3	36.5
84	85.6	68.5	102.7



#32
1,1,1-Trichloroethane
Concen: 39.495 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.6	62.4#
61	49.5	31.6	47.4#





#33

1,2-Dichloroethane-d4

Concen: 49.662 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

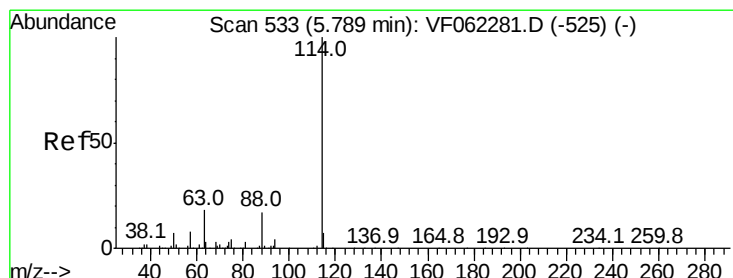
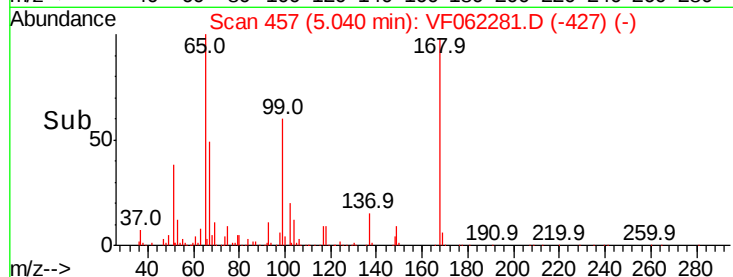
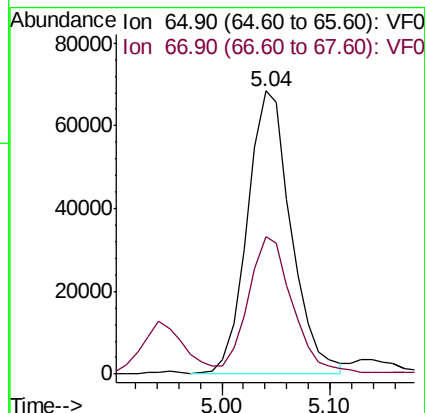
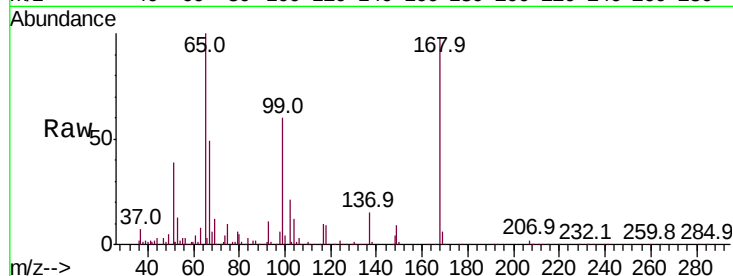
VSTDICCC050

Tot Ion: 65 Resp: 190777

Ion Ratio Lower Upper

65 100

67 49.4 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

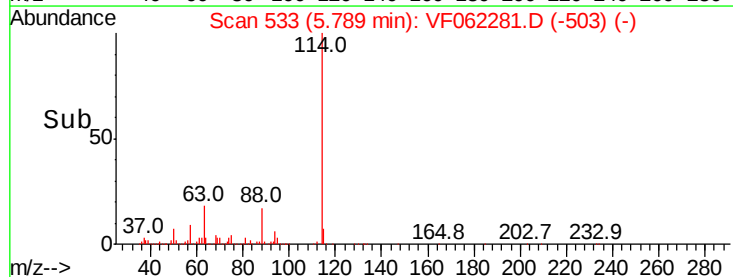
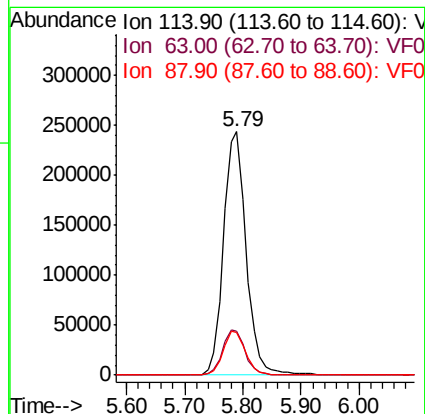
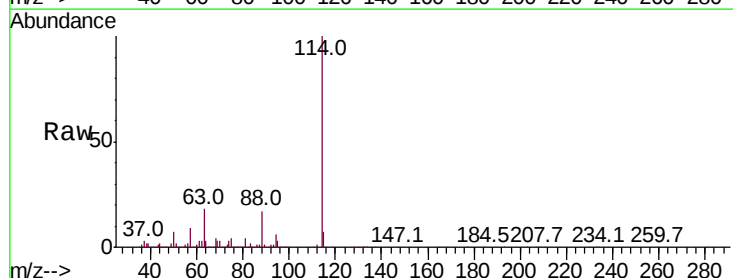
Tgt Ion:114 Resp: 656655

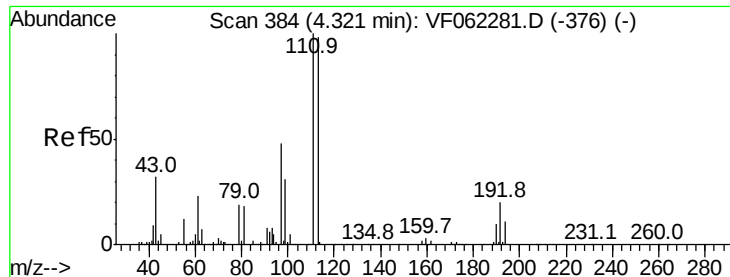
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

88 17.3 0.0 34.6

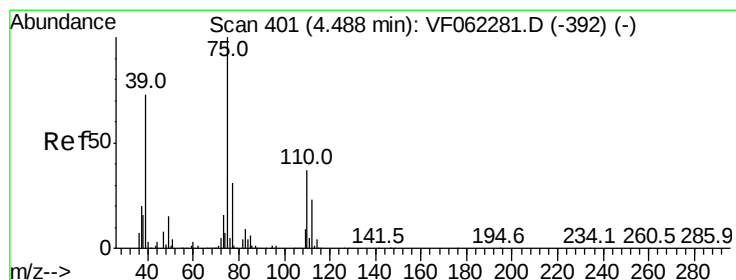
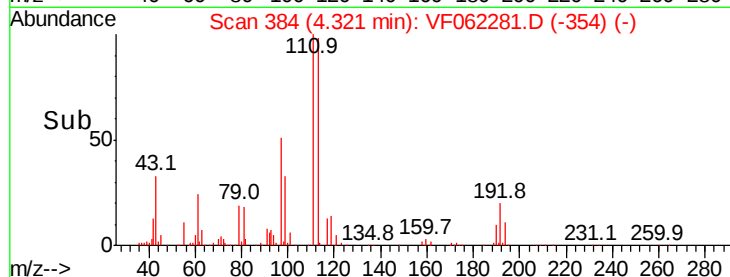
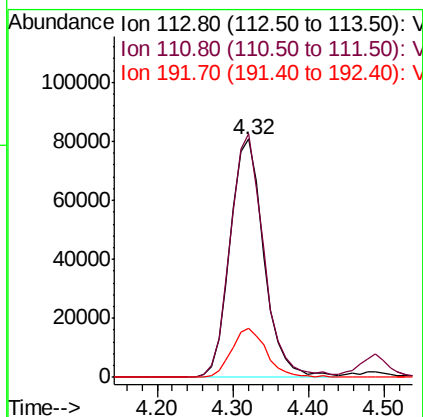
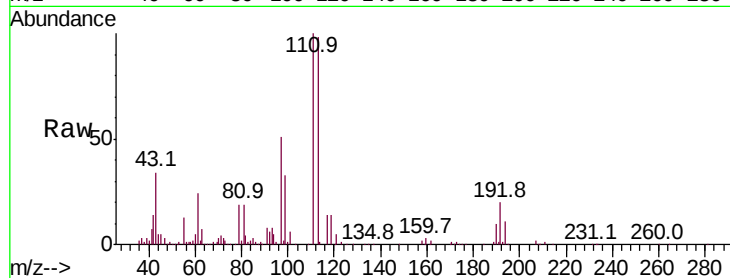




#35
 Dibromofluoromethane
 Concen: 49.943 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

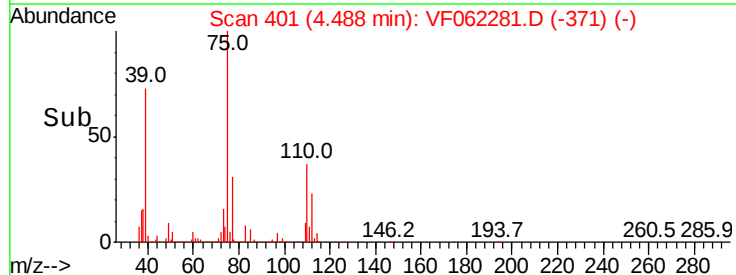
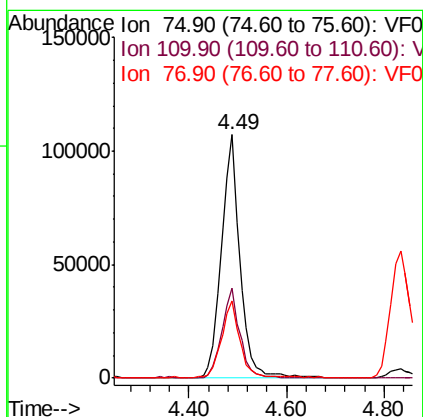
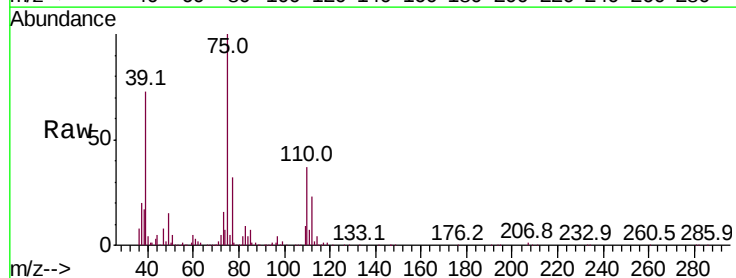
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

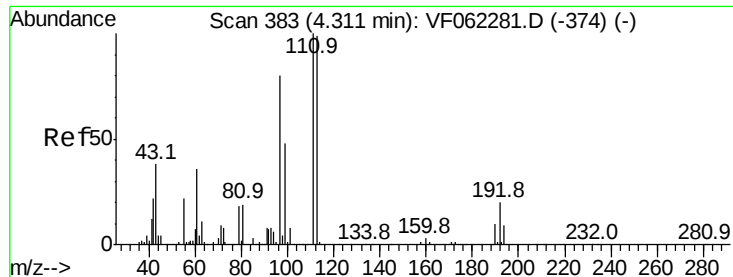
Tot Ion:113 Resp: 249591
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.2
 192 21.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 45.653 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Tgt Ion: 75 Resp: 284725
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.9 53.8
 77 30.7 24.6 36.8

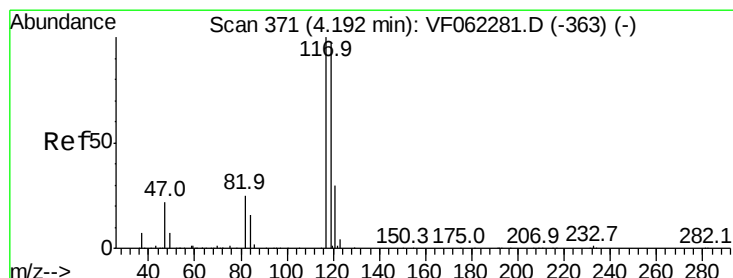
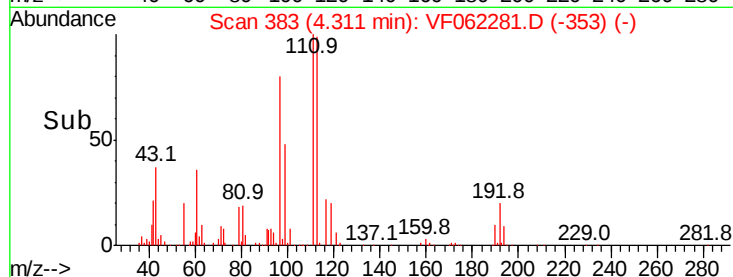
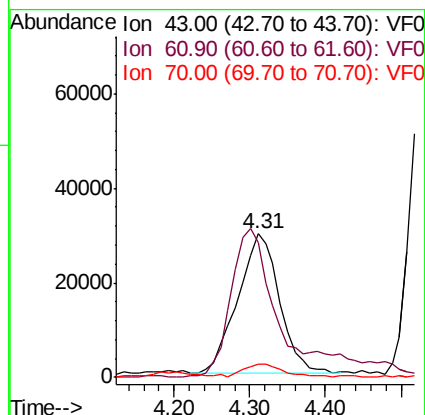
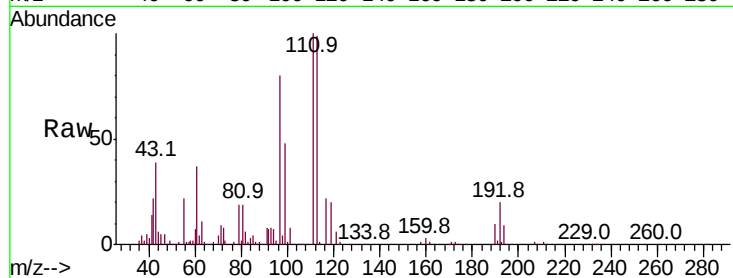




#37
Ethyl Acetate
Concen: 44.542 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

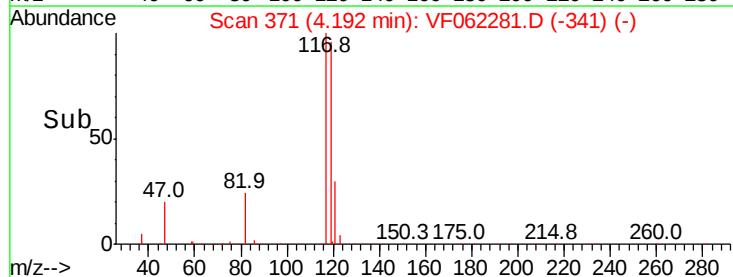
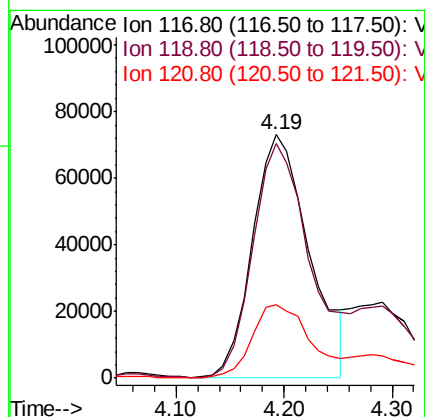
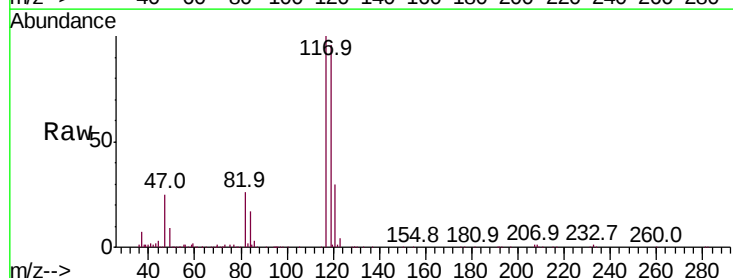
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

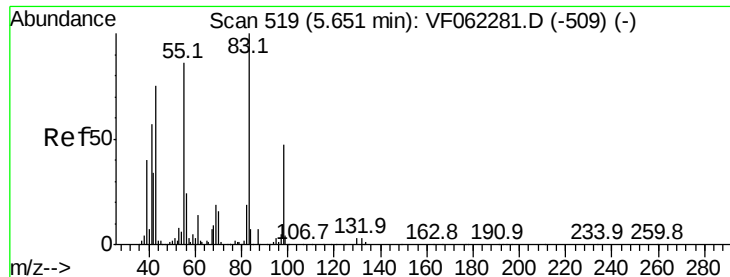
Tot Ion: 43 Resp: 114061
Ion Ratio Lower Upper
43 100
61 107.2 85.8 128.6
70 9.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 43.521 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion: 117 Resp: 265216
Ion Ratio Lower Upper
117 100
119 96.6 77.3 115.9
121 30.4 24.3 36.5

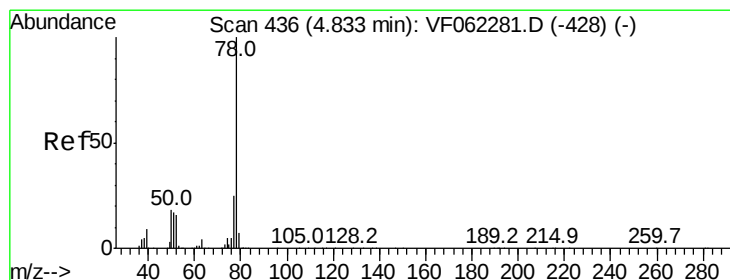
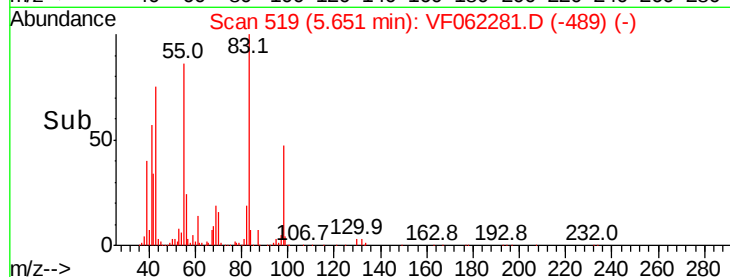
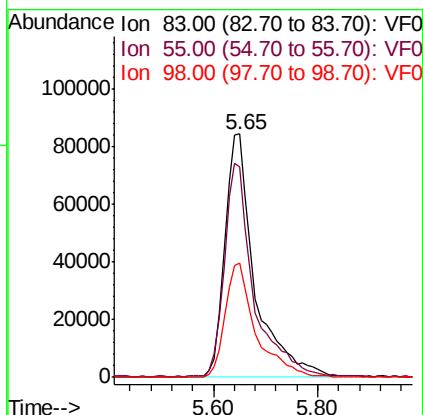
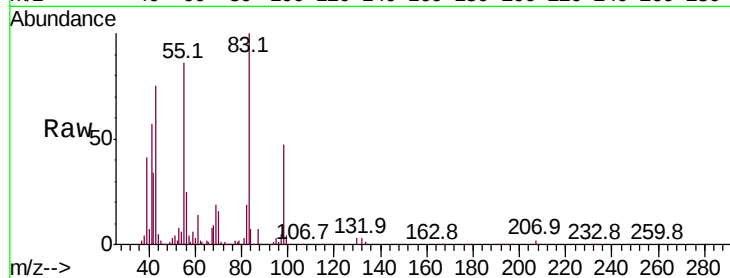




#39
Methvlcvclohexane
Concen: 45.519 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

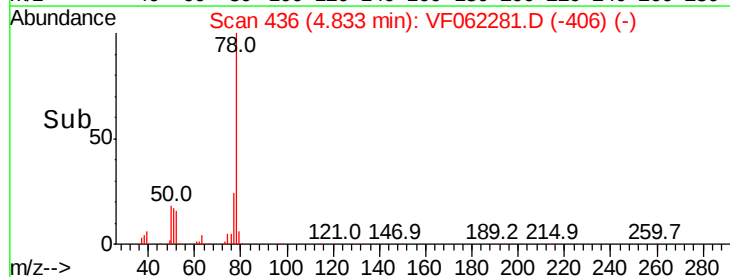
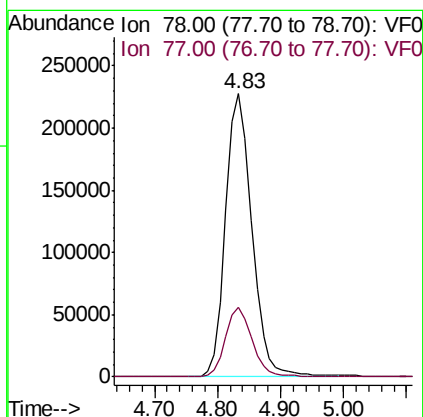
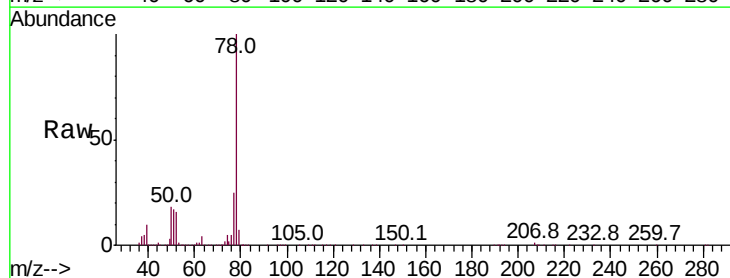
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

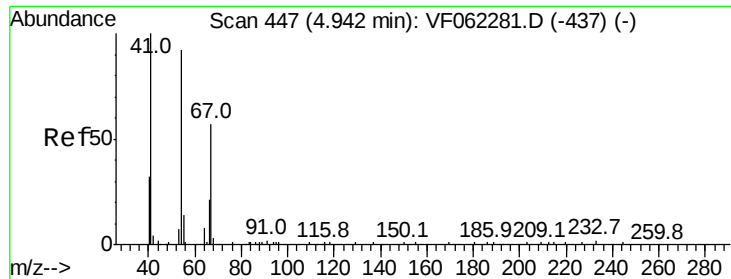
Tot Ion	83	Resp	334551
Ion Ratio	Lower	Upper	
83	100		
55	85.9	68.7	103.1
98	46.8	37.4	56.2



#40
Benzene
Concen: 44.012 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion	78	Resp	662070
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.7	29.5

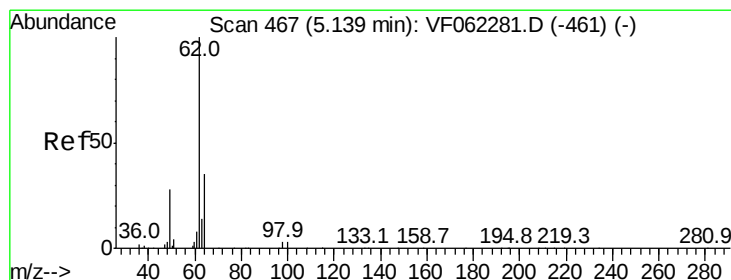
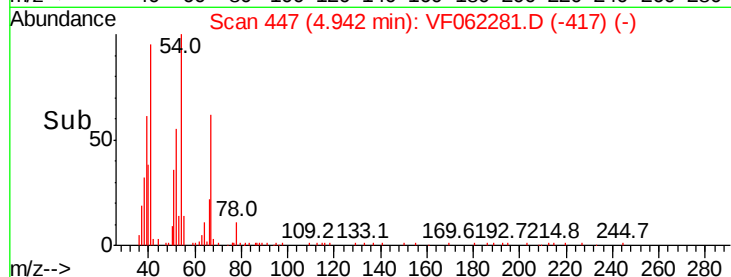
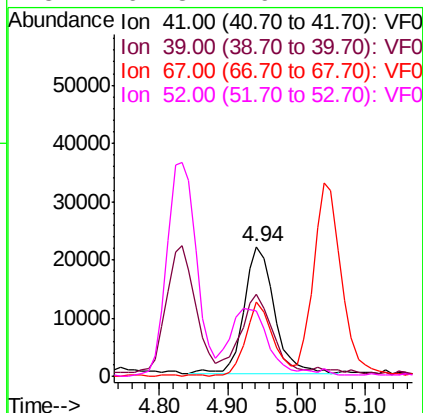
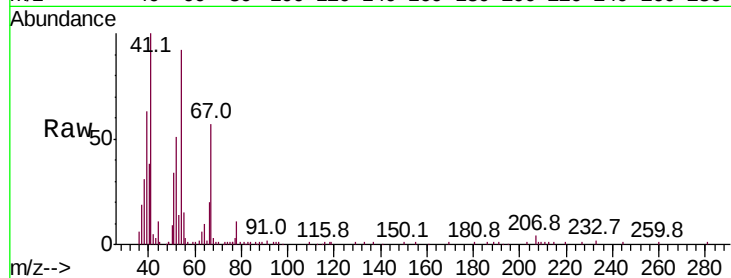




#41
Methacrylonitrile
Concen: 47.377 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

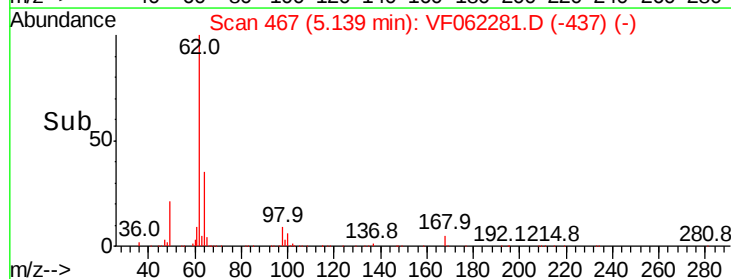
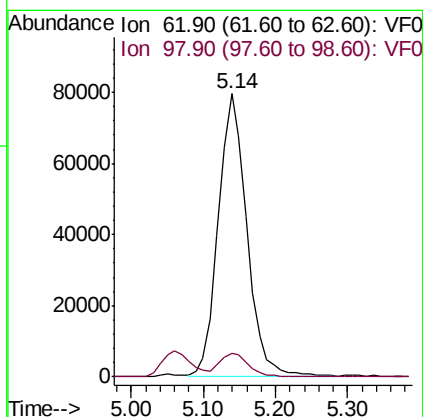
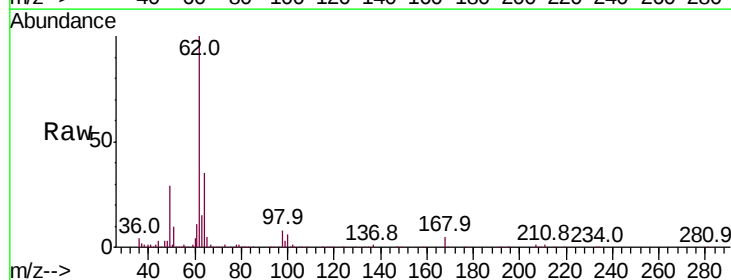
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

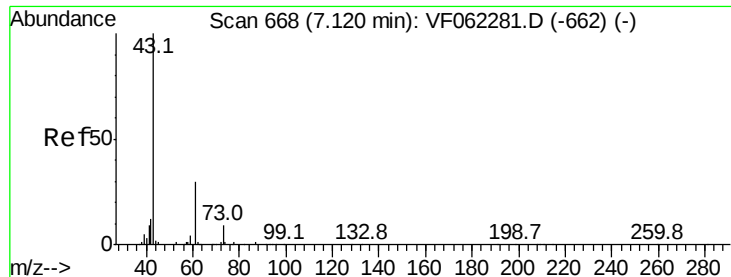
Tot Ion:	41	Resp:	67766
Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.3	70.9
67	51.6	41.3	61.9
52	61.8	49.4	74.2



#42
1,2-Dichloroethane
Concen: 46.794 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion:	62	Resp:	216168
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8



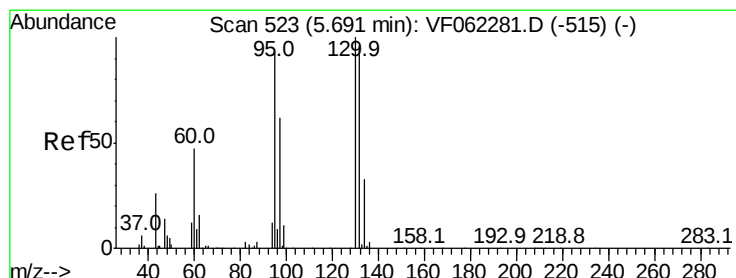
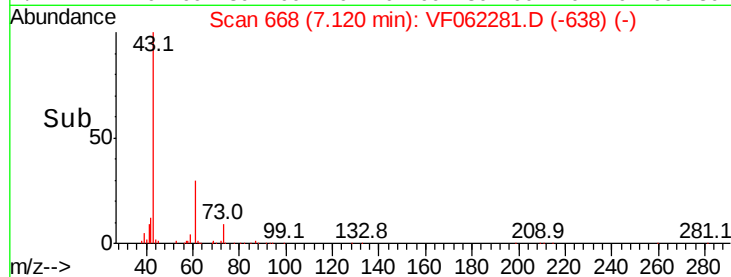
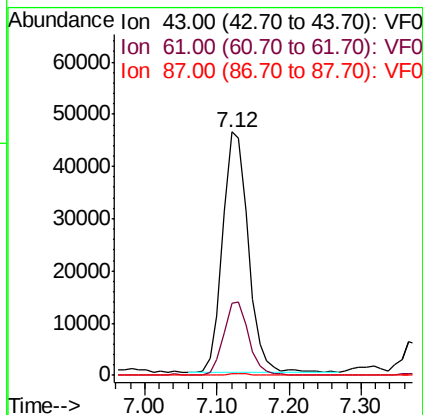
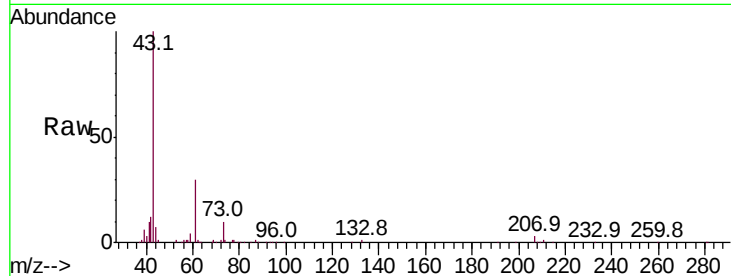


#43

Isopropyl Acetate
 Concen: 42.363 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

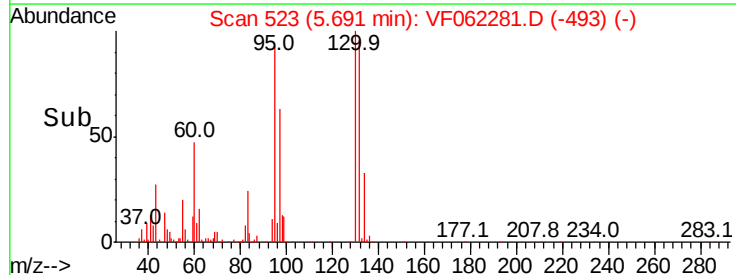
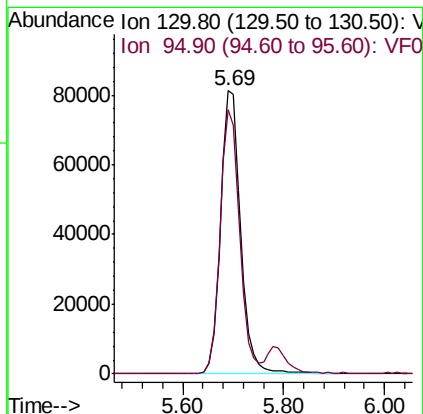
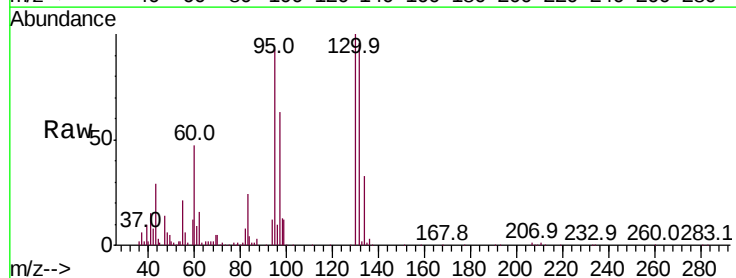
Tot Ion: 43 Resp: 114418
 Ion Ratio Lower Upper
 43 100
 61 29.7 23.8 35.6
 87 0.6 0.5 0.7

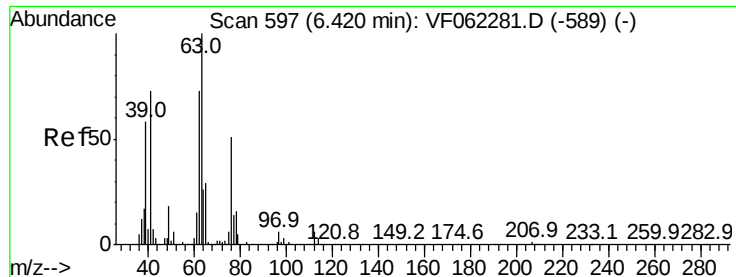


#44

Trichloroethene
 Concen: 44.101 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Tgt Ion:130 Resp: 224377
 Ion Ratio Lower Upper
 130 100
 95 93.2 0.0 186.4





#45

1,2-Dichloropropane

Concen: 44.094 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

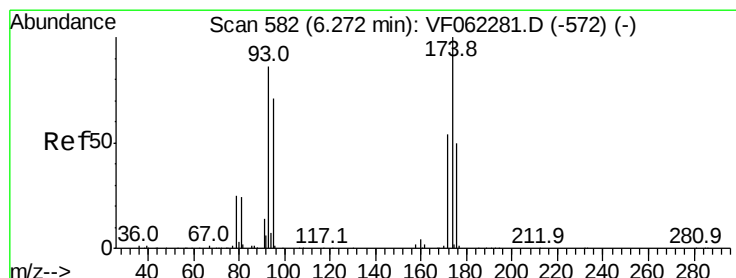
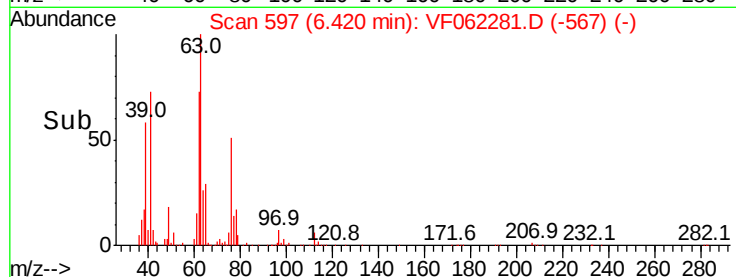
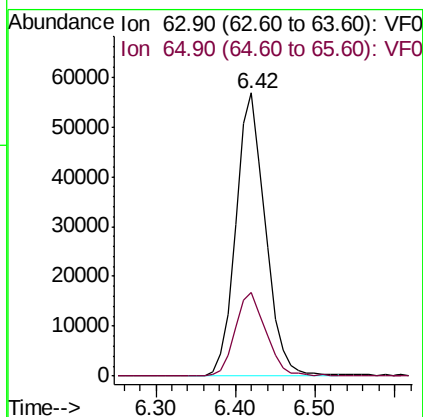
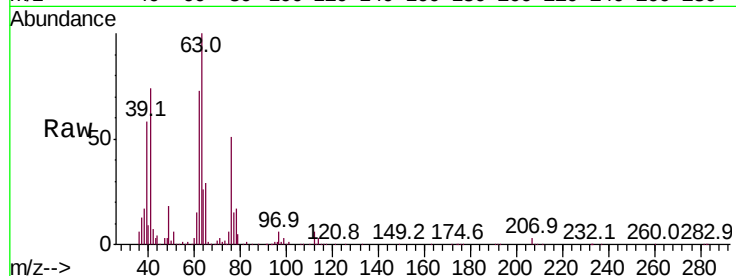
Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 63 Resp: 146112

Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.5	35.3



#46

Dibromomethane

Concen: 46.188 ug/l

RT: 6.27 min Scan# 582

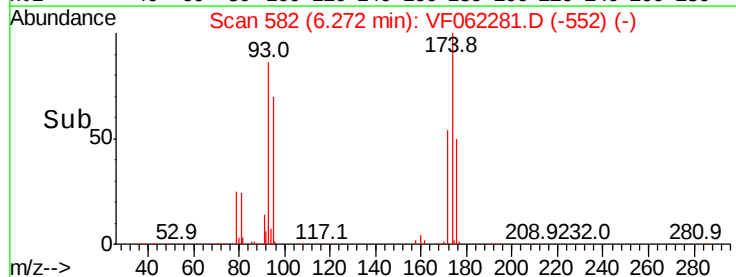
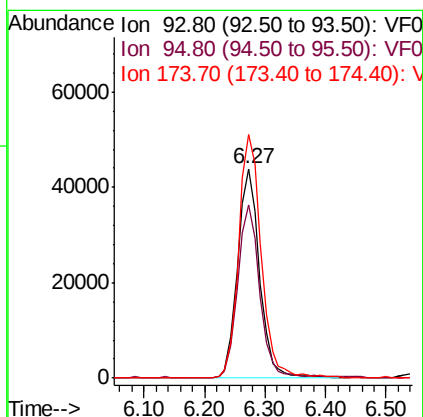
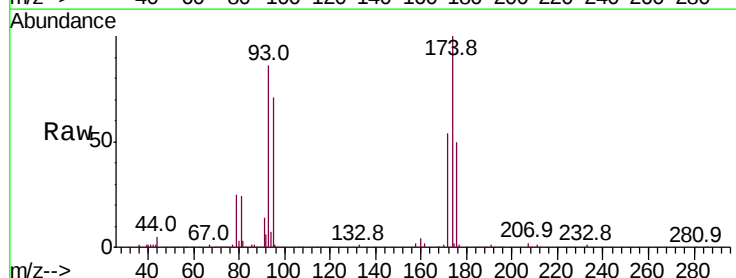
Delta R.T. 0.00 min

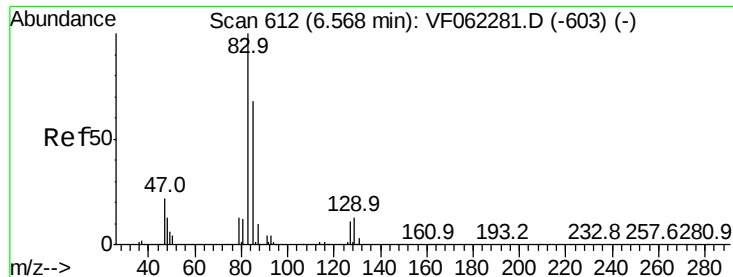
Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Tgt Ion: 93 Resp: 110868

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	118.6	94.9	142.3





#47

Bromodichloromethane

Concen: 45.171 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

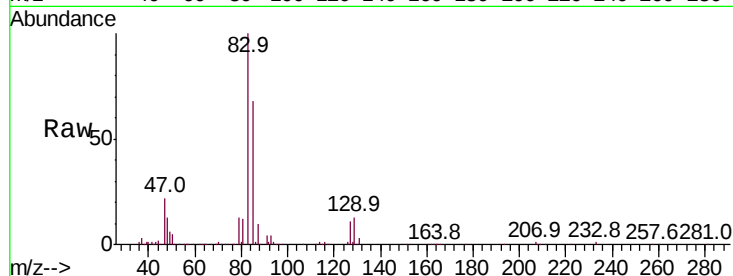
Tot Ion: 83 Resp: 255257

Ion Ratio Lower Upper

83 100

85 68.2 54.6 81.8

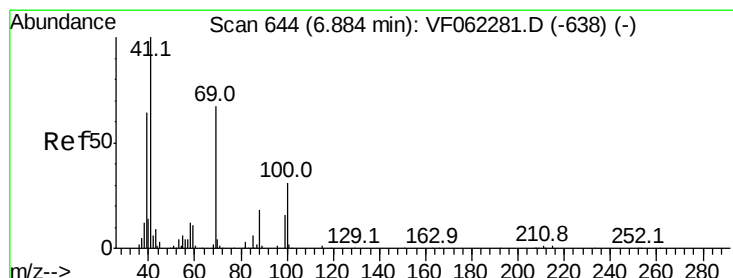
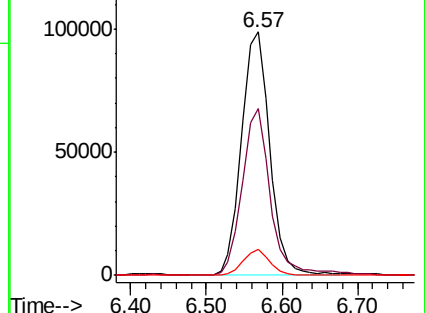
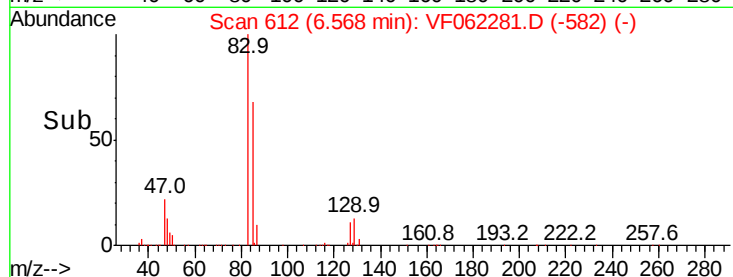
127 10.9 8.7 13.1



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: 43.316 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

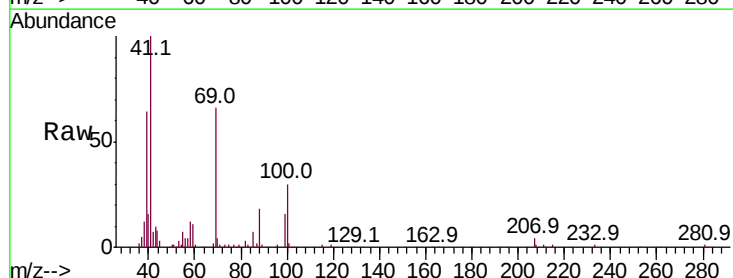
Tgt Ion: 41 Resp: 80276

Ion Ratio Lower Upper

41 100

69 66.8 53.4 80.2

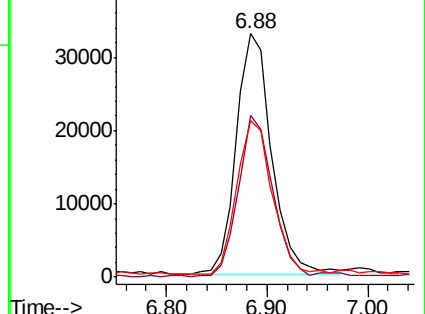
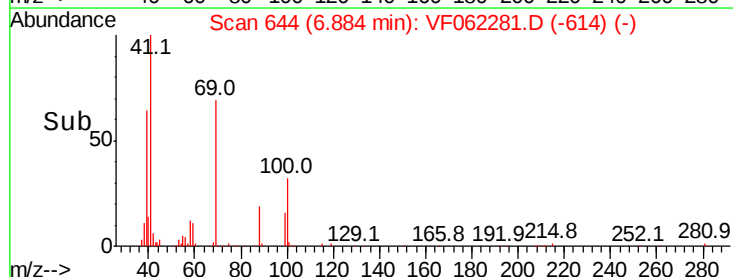
39 63.6 50.9 76.3

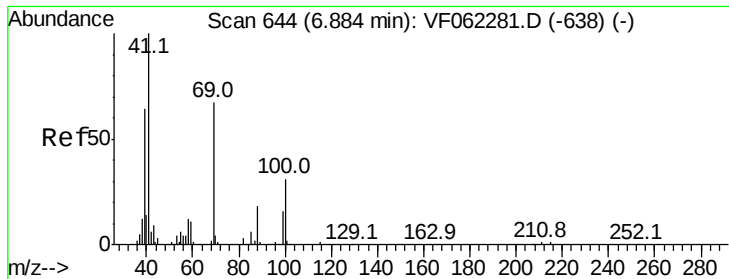


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 888.184 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

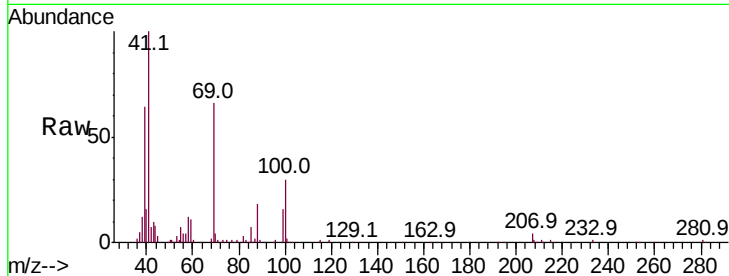
Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 18839

Ion	Ratio	Lower	Upper
88	100		
43	42.8	34.2	51.4
58	63.4	50.7	76.1

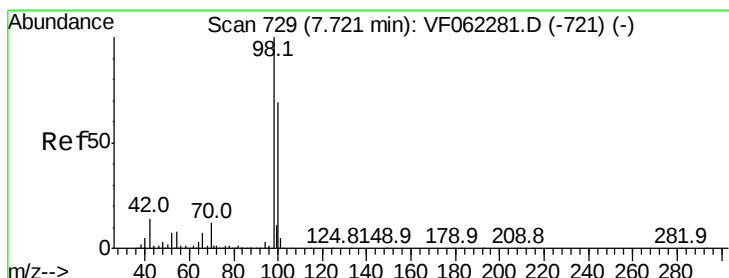
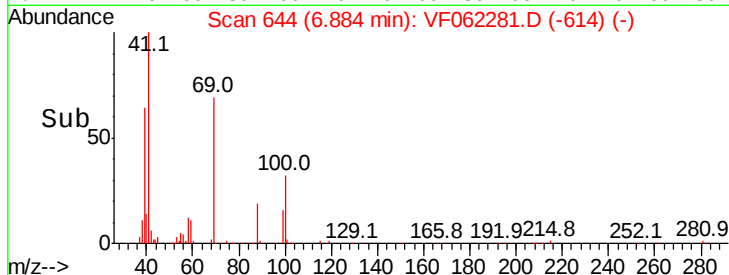
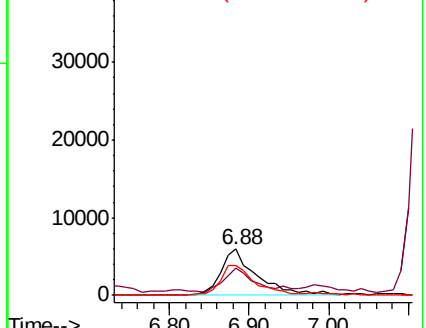


Abundance

Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.329 ug/l

RT: 7.72 min Scan# 729

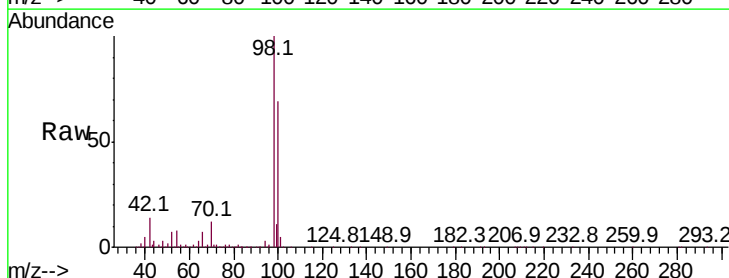
Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Tgt Ion: 98 Resp: 588669

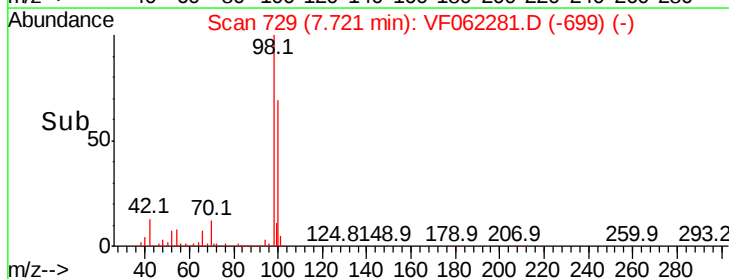
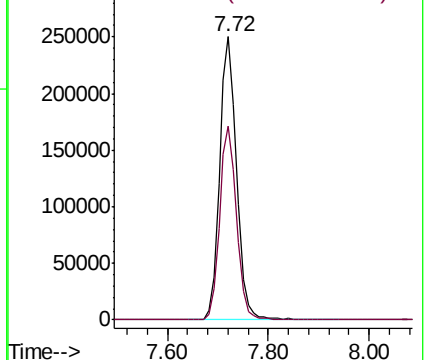
Ion	Ratio	Lower	Upper
98	100		
100	68.0	54.4	81.6

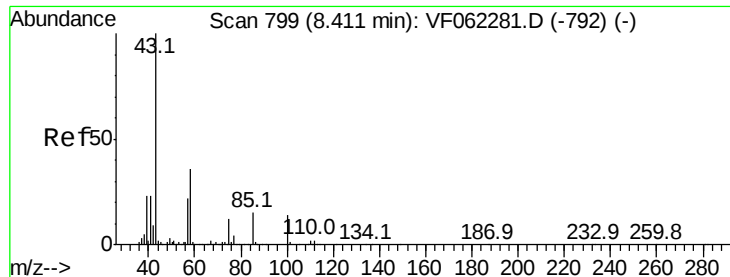


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 211.017 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

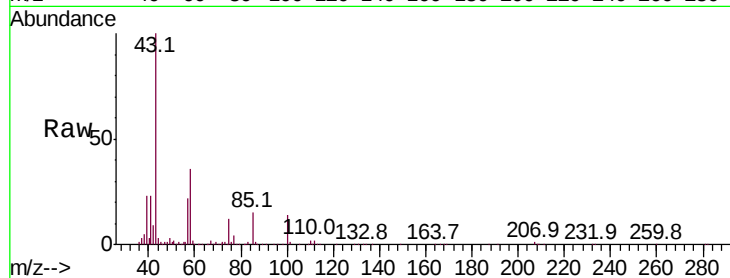
VSTDICCC050

Tot Ion: 43 Resp: 436082

Ion Ratio Lower Upper

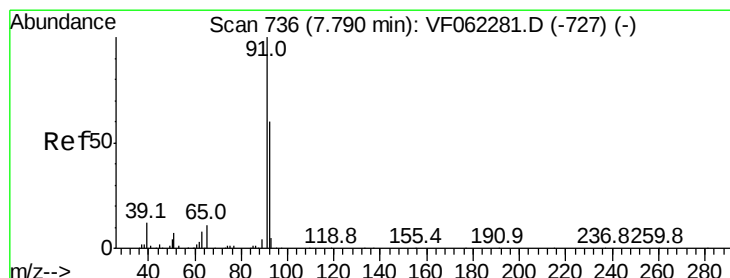
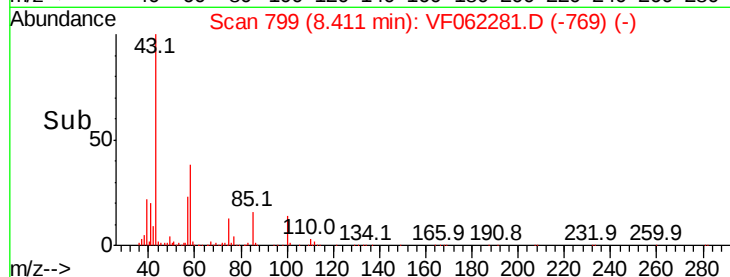
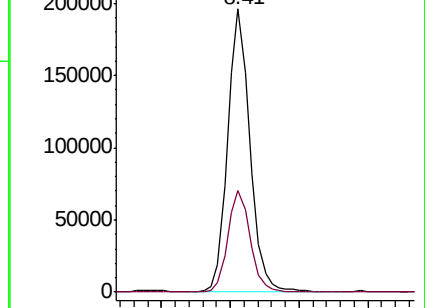
43 100

58 36.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 43.465 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062281.D

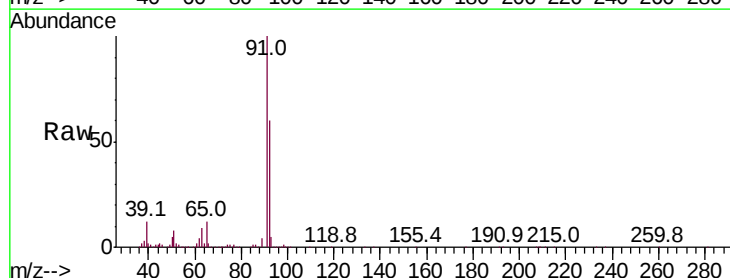
Acq: 24 Apr 2019 15:12

Tgt Ion: 92 Resp: 375011

Ion Ratio Lower Upper

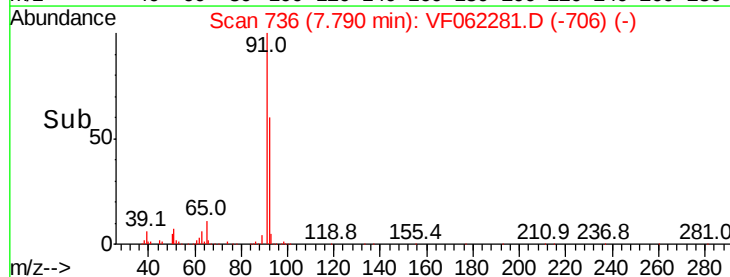
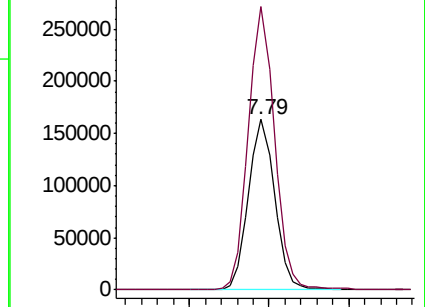
92 100

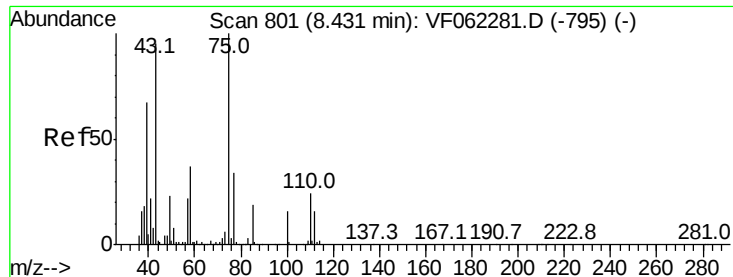
91 165.6 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 44.894 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

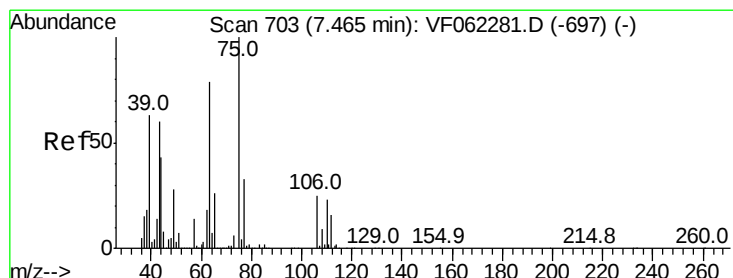
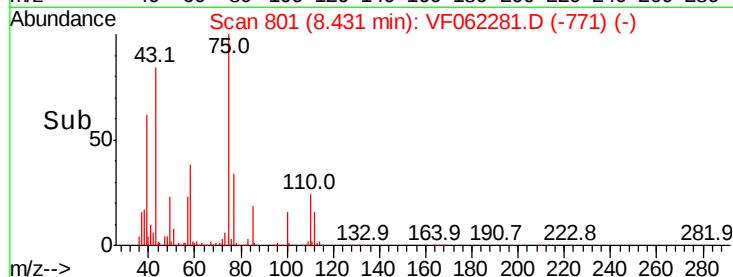
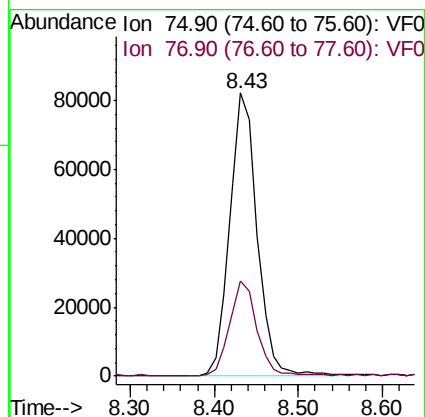
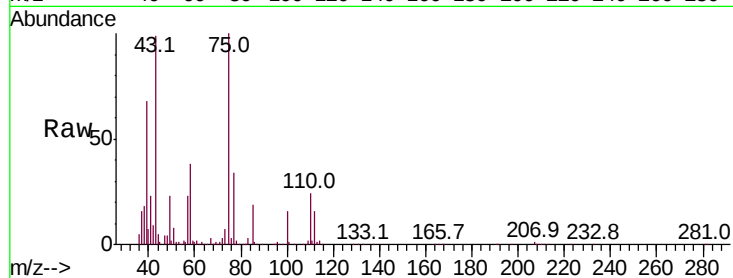
VSTDICCC050

Tot Ion: 75 Resp: 184757

Ion Ratio Lower Upper

75 100

77 33.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 44.978 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

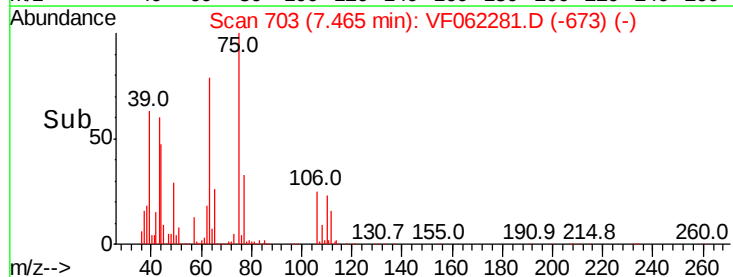
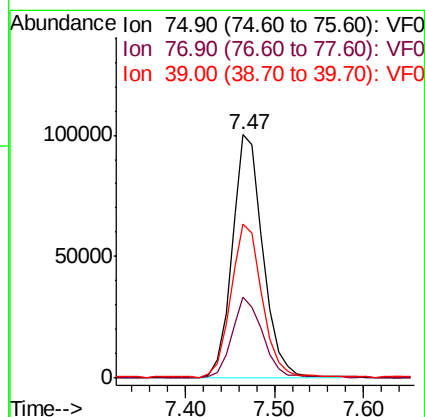
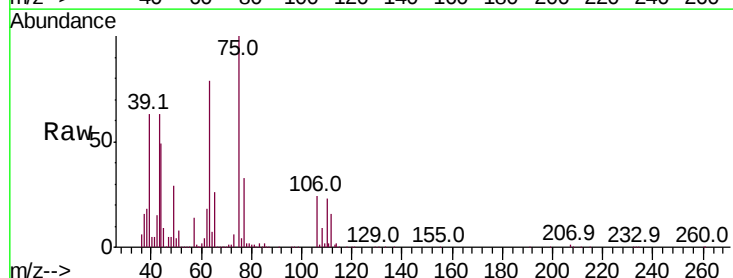
Tgt Ion: 75 Resp: 240357

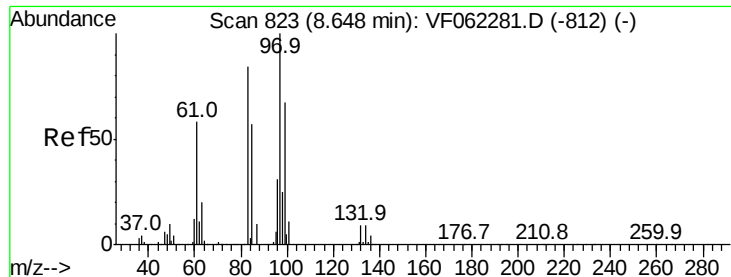
Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7

39 62.7 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 45.651 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 107652

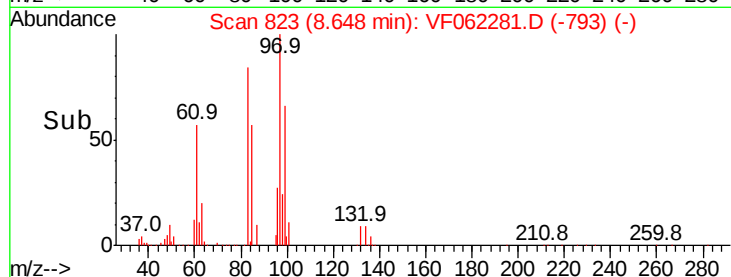
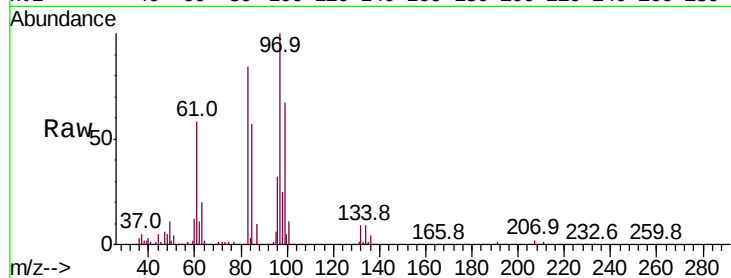
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.5	101.3
85	56.6	45.3	67.9
99	66.7	53.4	80.0

97 100

83 84.4 67.5 101.3

85 56.6 45.3 67.9

99 66.7 53.4 80.0

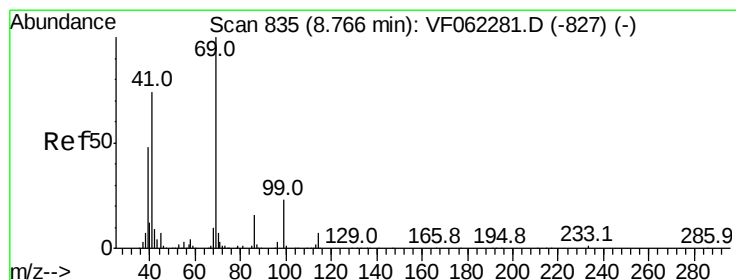
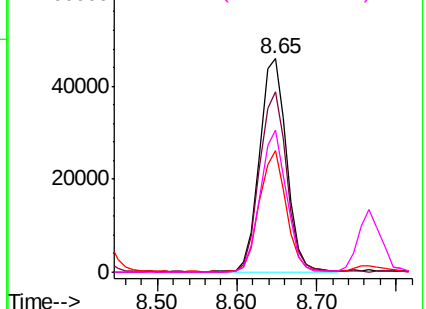


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 43.926 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

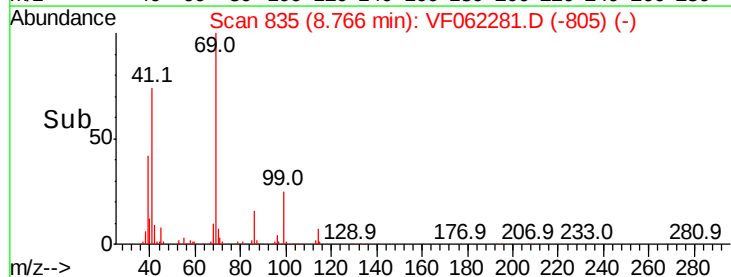
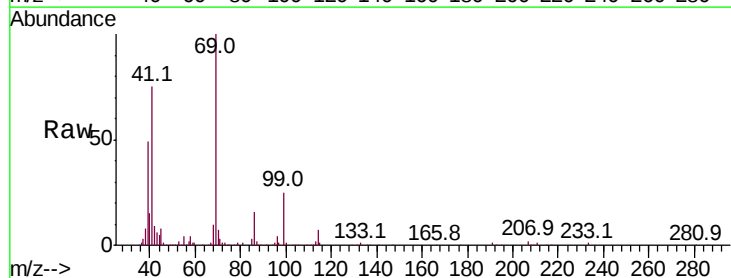
Tgt Ion: 69 Resp: 115796

Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.5	92.3
39	47.4	37.9	56.9

69 100

41 76.9 61.5 92.3

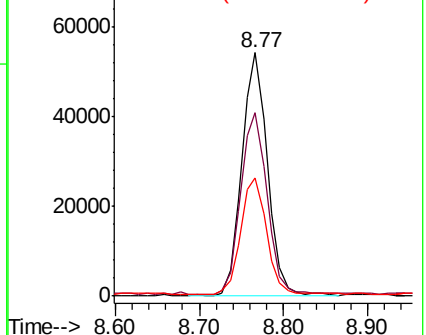
39 47.4 37.9 56.9

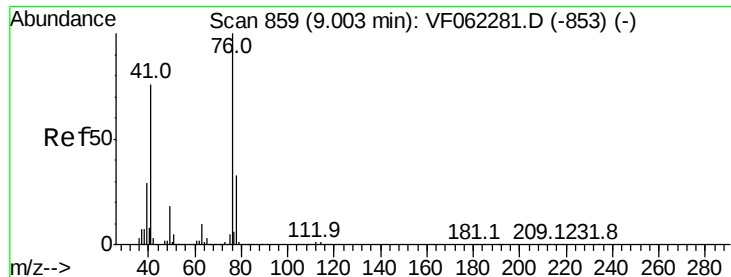


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 44.875 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

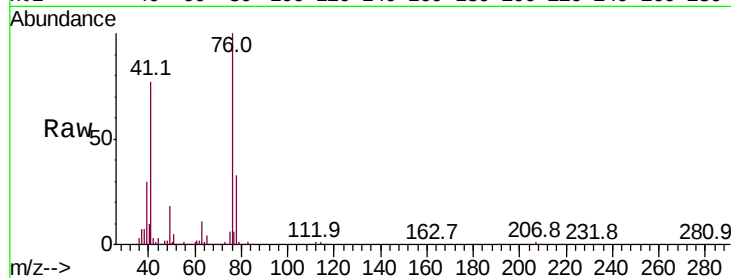
VSTDICCC050

Tot Ion: 76 Resp: 166422

Ion Ratio Lower Upper

76 100

78 33.8 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

9.00

80000

60000

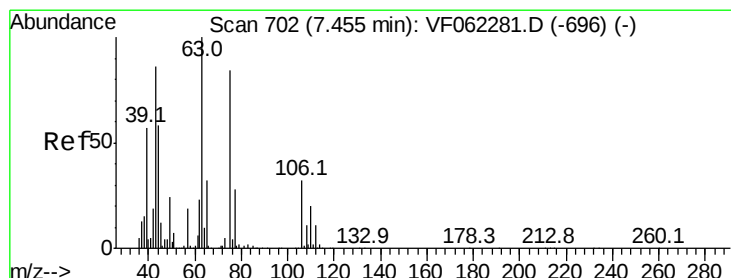
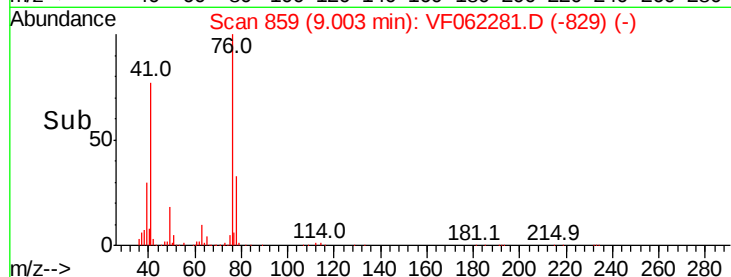
40000

20000

0

8.90 9.00 9.10 9.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.850 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062281.D

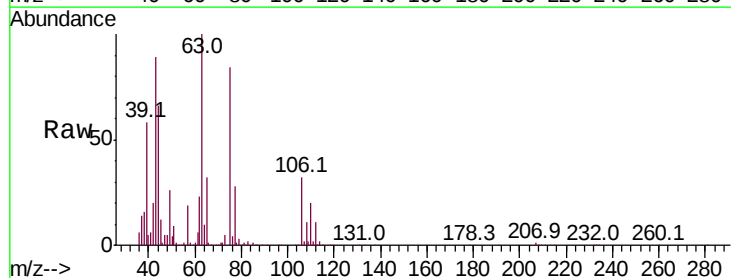
Acq: 24 Apr 2019 15:12

Tgt Ion: 63 Resp: 193702

Ion Ratio Lower Upper

63 100

106 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.46

80000

60000

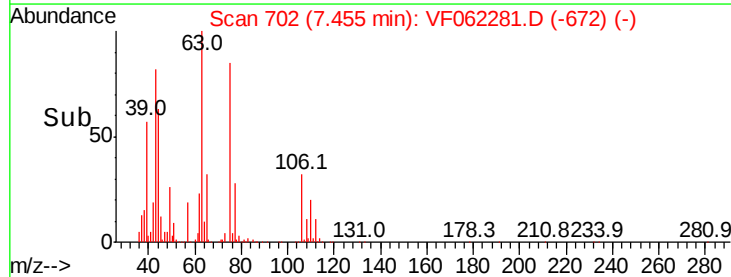
40000

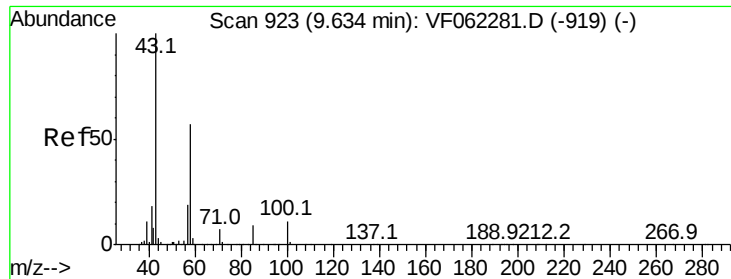
20000

0

7.40 7.50 7.60

Time-->

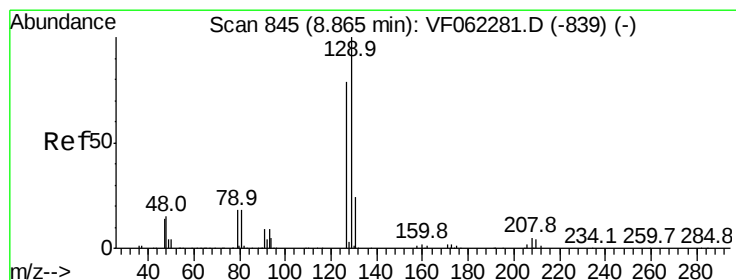
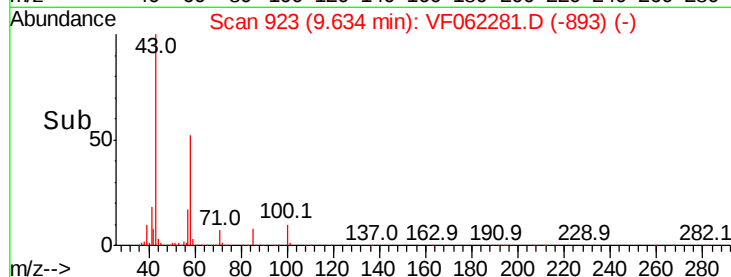
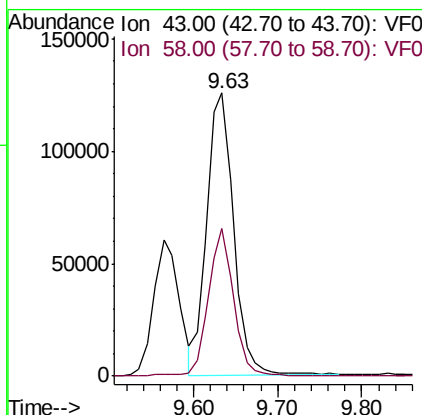
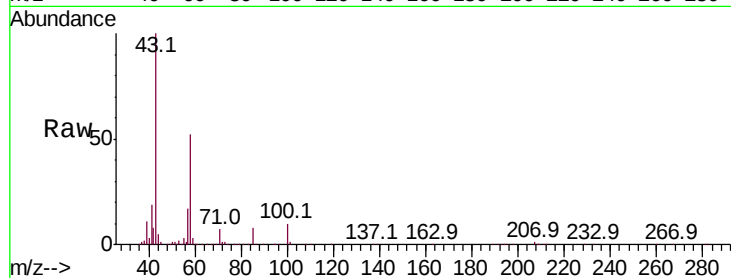




#59
2-Hexanone
Concen: 137.797 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

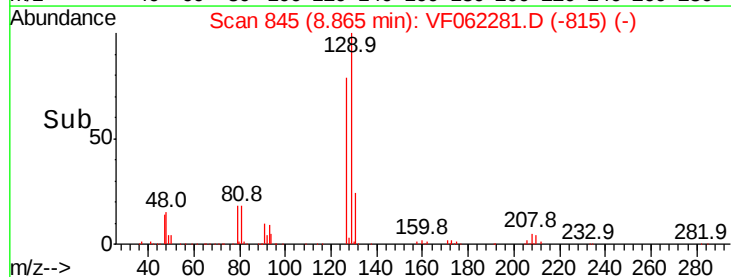
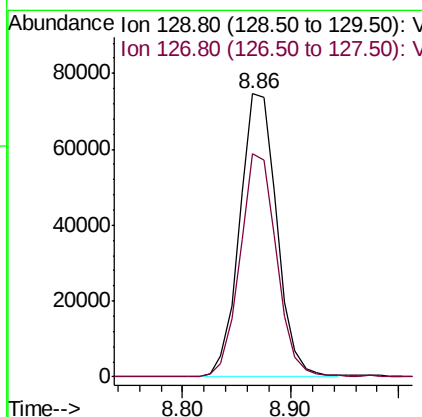
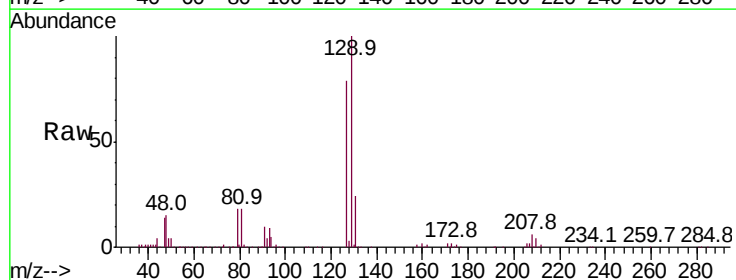
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

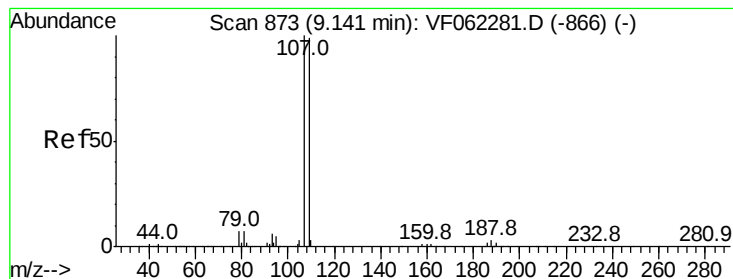
Tot Ion: 43 Resp: 277702
Ion Ratio Lower Upper
43 100
58 49.8 24.9 74.7



#60
Dibromochloromethane
Concen: 47.019 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion: 129 Resp: 178664
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 46.407 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

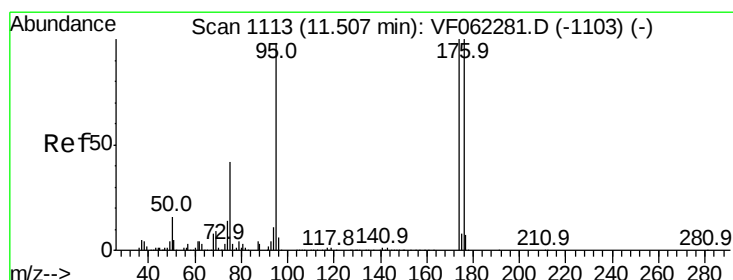
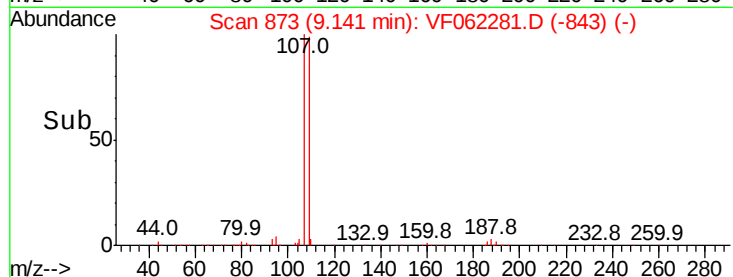
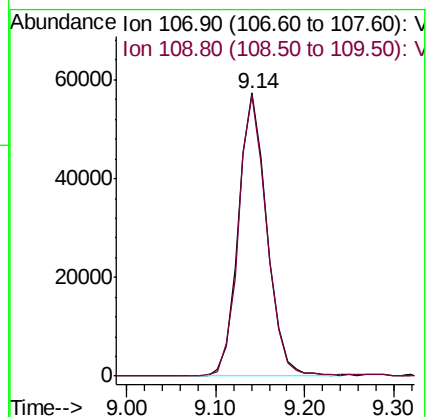
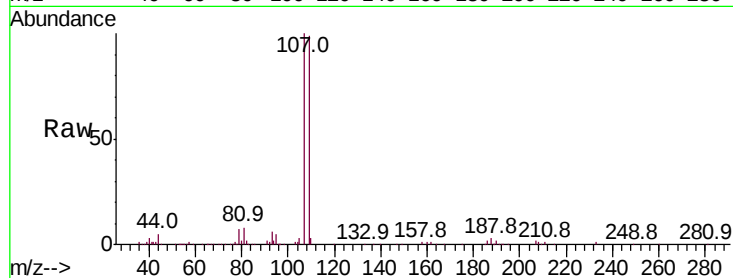
VSTDICCC050

Tot Ion:107 Resp: 127525

Ion Ratio Lower Upper

107 100

109 98.4 78.7 118.1



#62

4-Bromofluorobenzene

Concen: 45.743 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

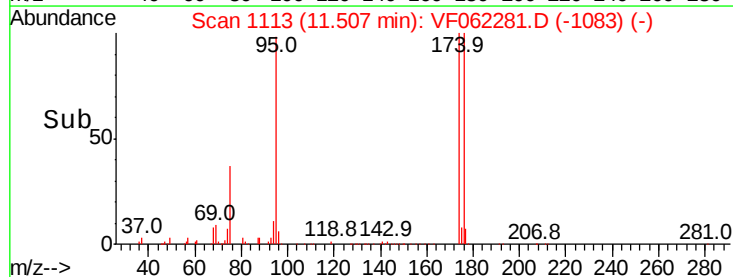
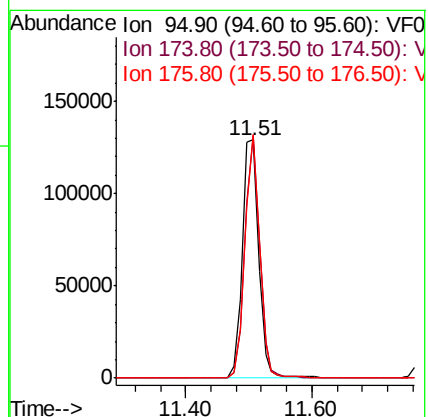
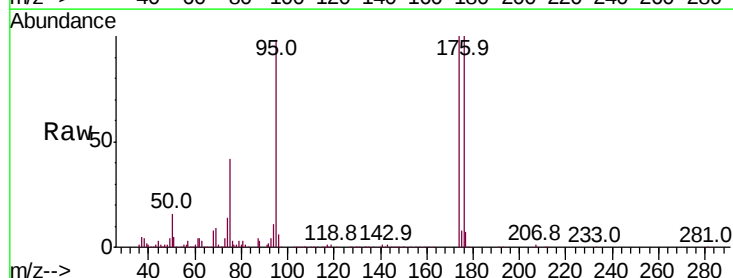
Tgt Ion: 95 Resp: 230065

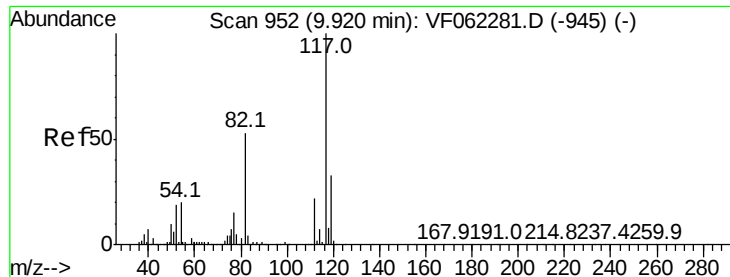
Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

176 92.4 0.0 184.8

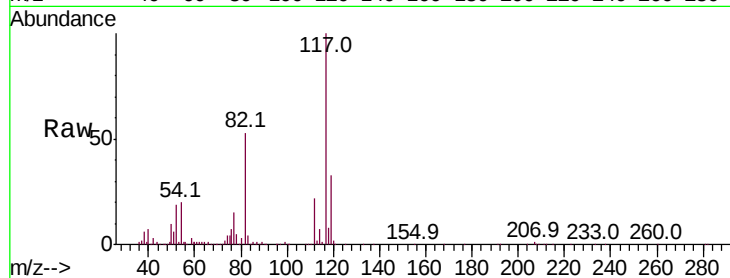




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.6	26.1	39.1

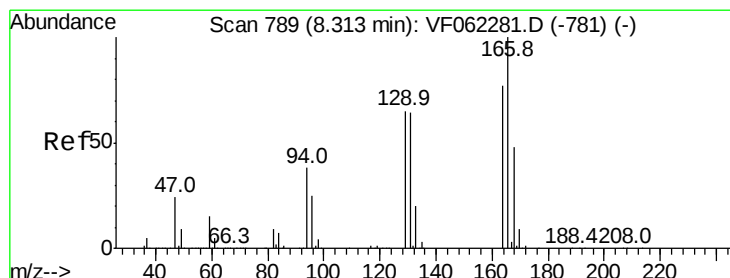
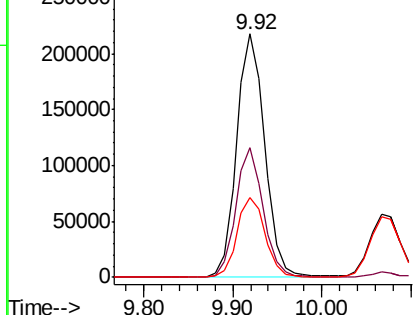
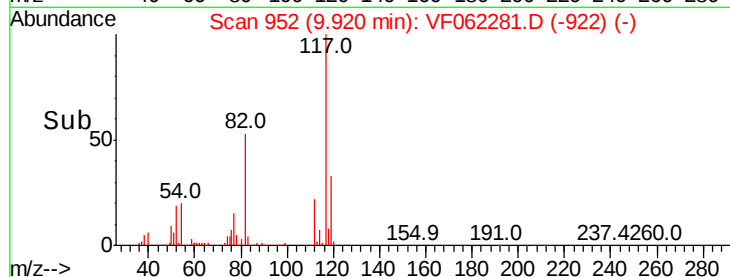


Abundance

Ion 116.90 (116.60 to 117.60): V

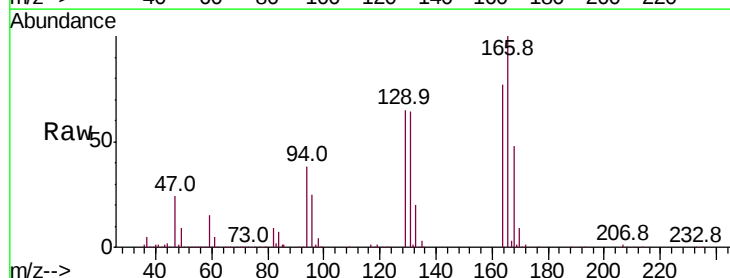
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.025 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	84.5	67.6	101.4
131	82.6	66.1	99.1



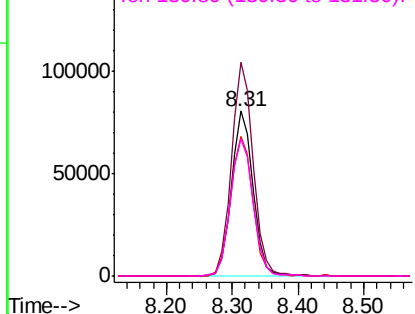
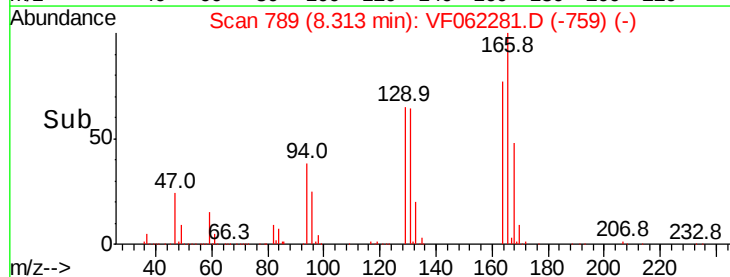
Abundance

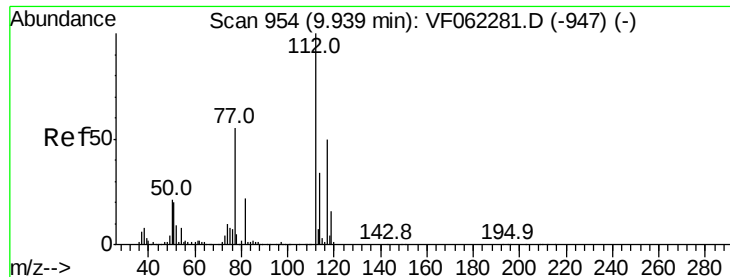
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 44.989 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

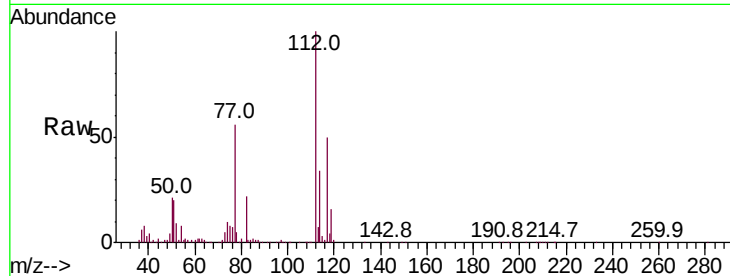
VSTDICCC050

Tot Ion:112 Resp: 400123

Ion Ratio Lower Upper

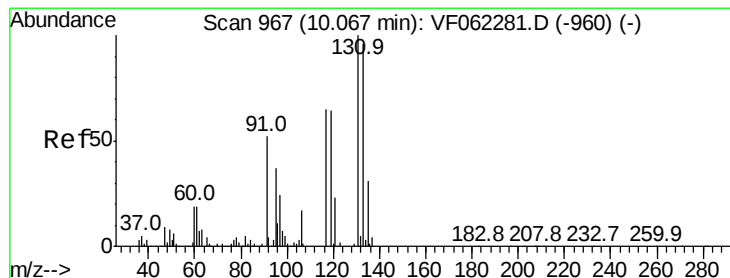
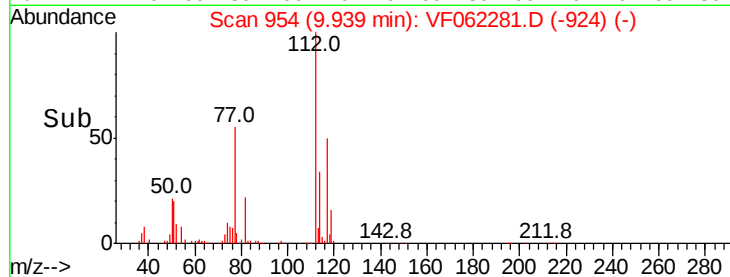
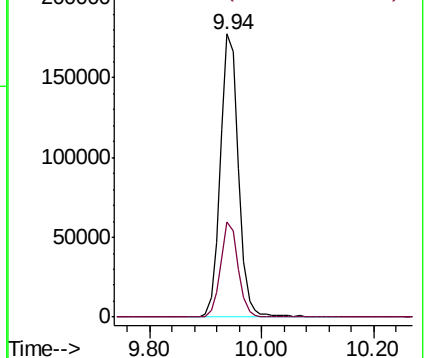
112 100

114 33.8 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: 45.234 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

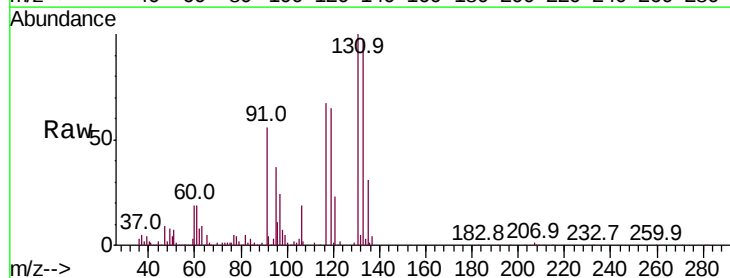
Tgt Ion:131 Resp: 193915

Ion Ratio Lower Upper

131 100

133 97.0 48.5 145.5

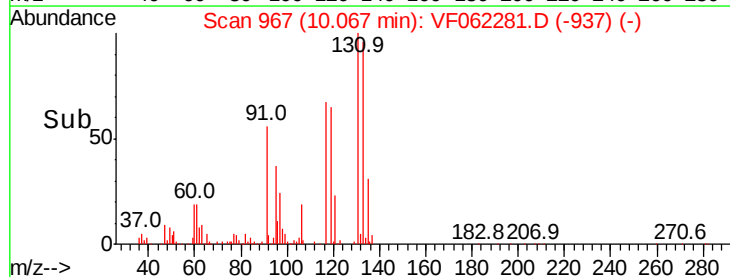
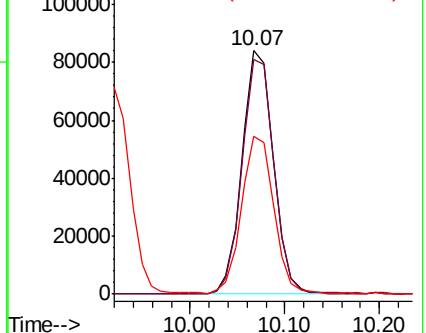
119 65.8 32.9 98.7

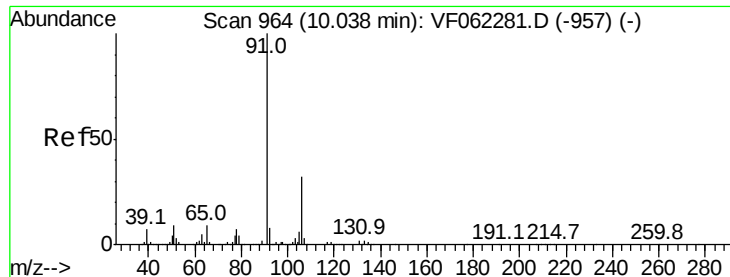


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 43.395 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

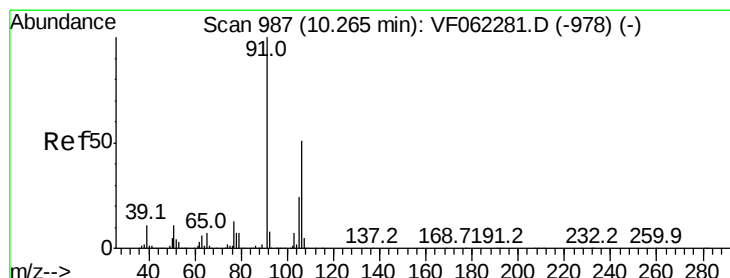
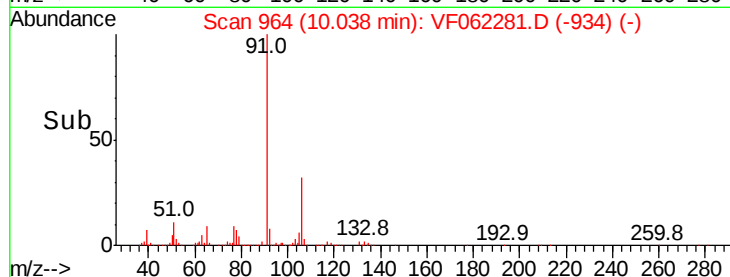
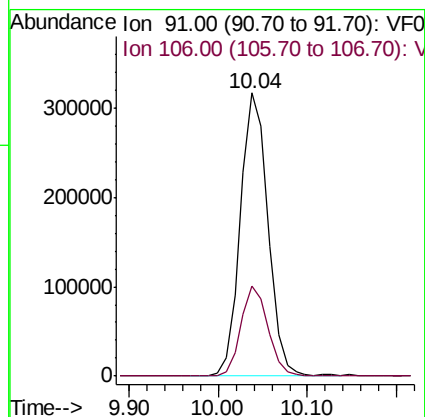
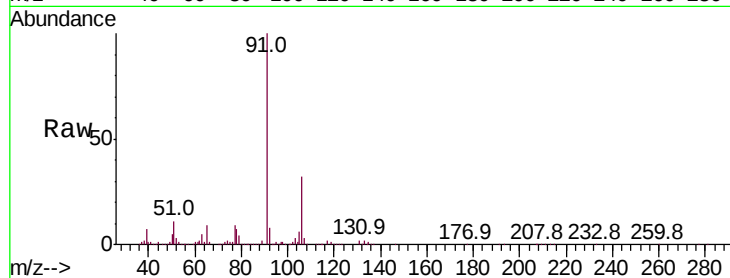
VSTDICCC050

Tot Ion: 91 Resp: 684614

Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 88.041 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062281.D

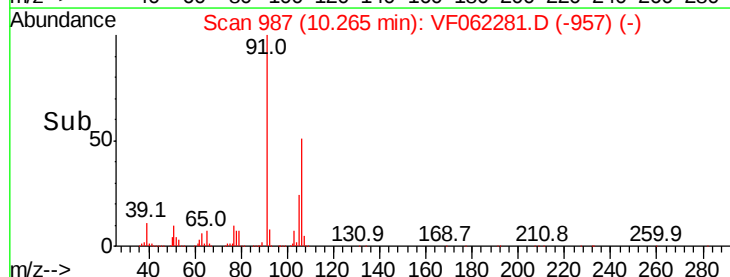
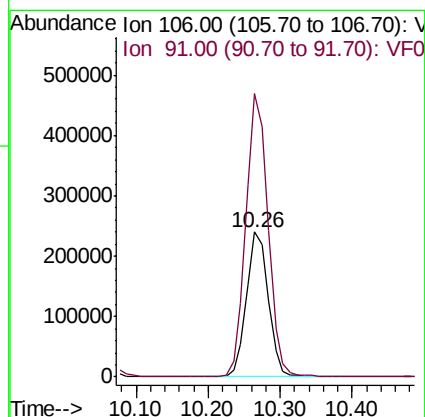
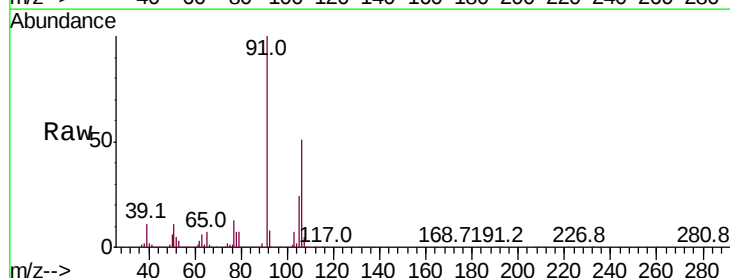
Acq: 24 Apr 2019 15:12

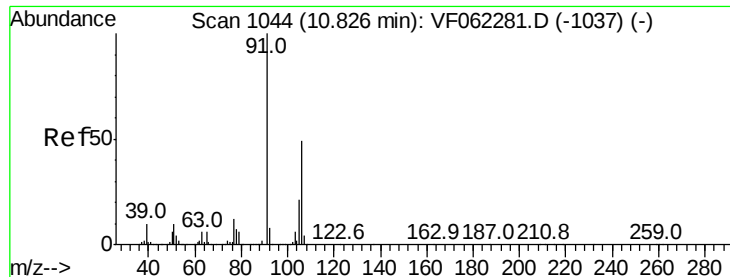
Tgt Ion: 106 Resp: 512853

Ion Ratio Lower Upper

106 100

91 197.9 158.3 237.5

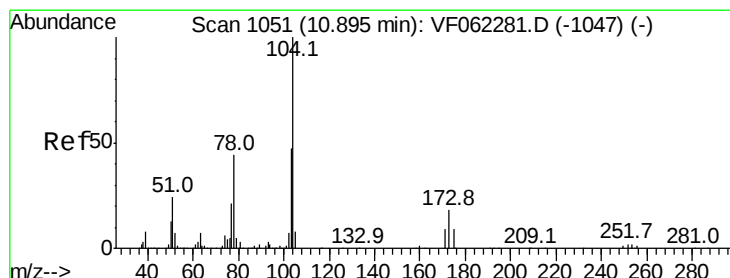
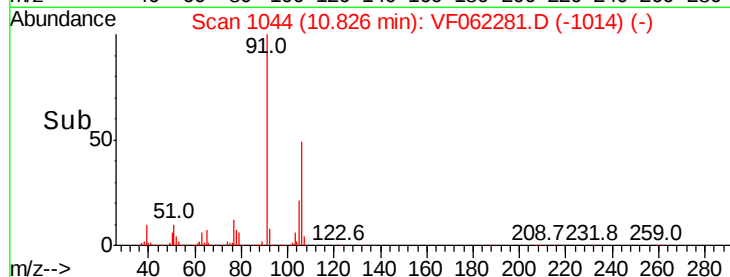
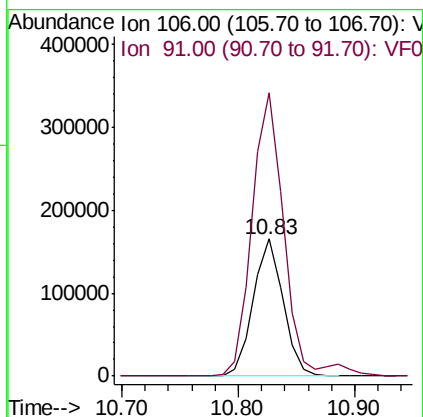
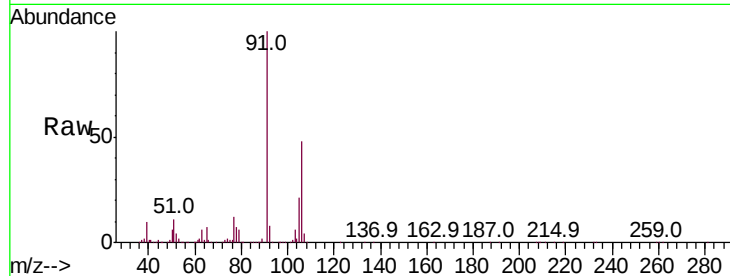




#69
o-Xylene
Concen: 45.134 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

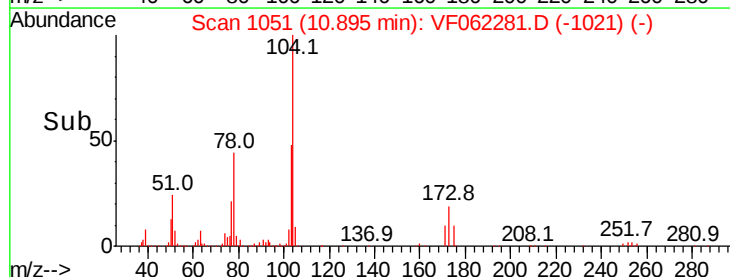
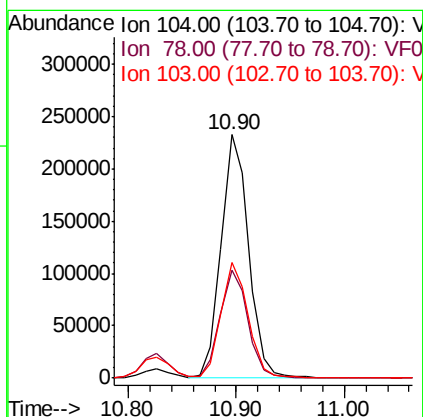
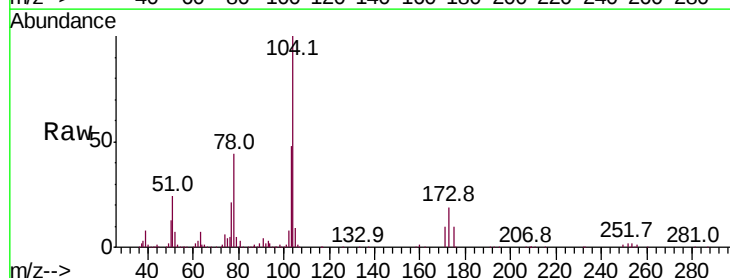
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

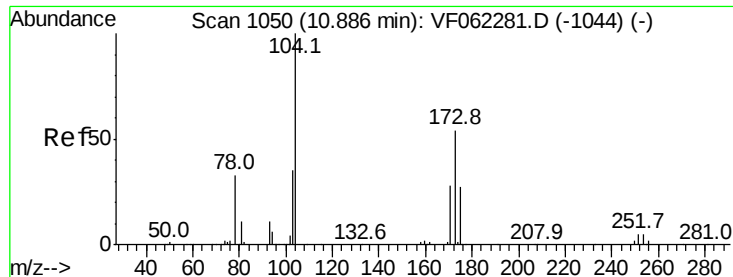
Tot Ion:106 Resp: 295124
Ion Ratio Lower Upper
106 100
91 220.0 110.0 330.0



#70
Styrene
Concen: 43.447 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion:104 Resp: 410997
Ion Ratio Lower Upper
104 100
78 44.9 35.9 53.9
103 46.9 37.5 56.3





#71

Bromoform

Concen: 47.409 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

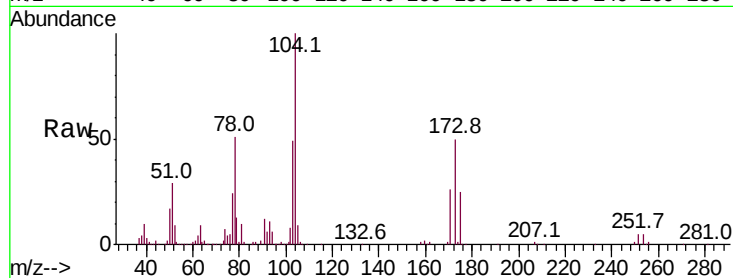
Tot Ion:173 Resp: 110308

Ion Ratio Lower Upper

173 100

175 50.6 25.3 75.9

254 0.1 0.1 0.1

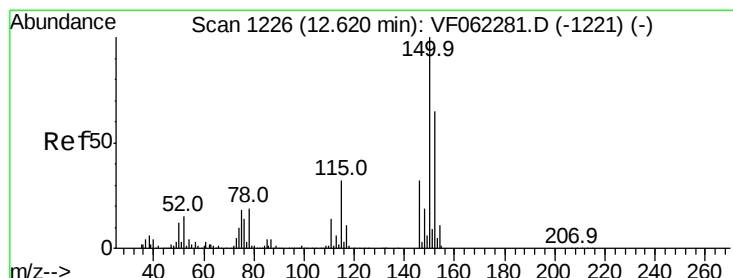
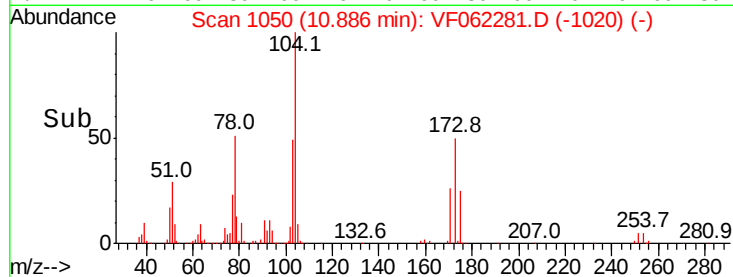
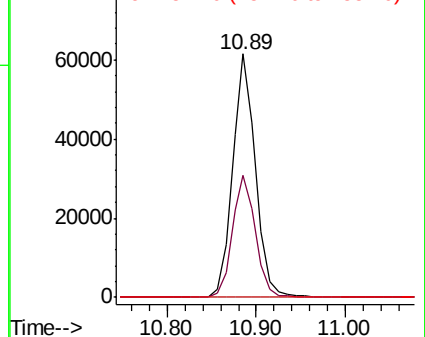


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

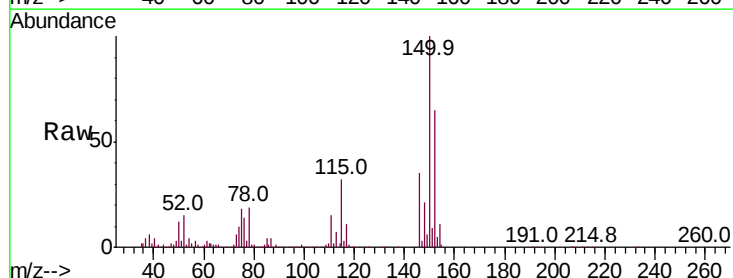
Tgt Ion:152 Resp: 263674

Ion Ratio Lower Upper

152 100

115 51.2 25.6 76.8

150 165.3 0.0 330.6

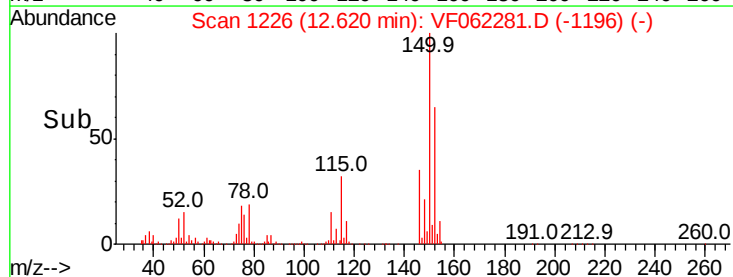
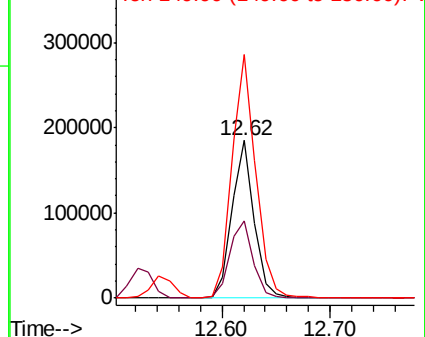


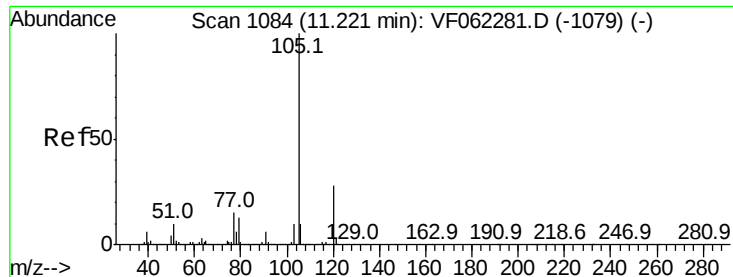
Abundance

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: 46.540 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

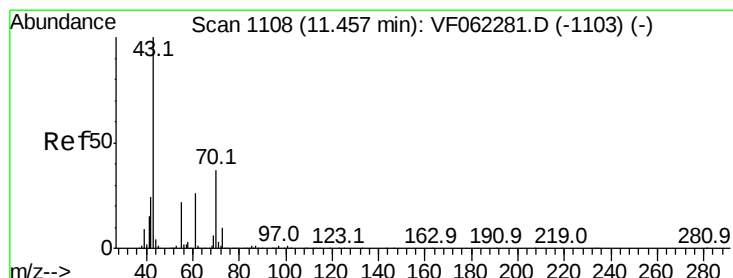
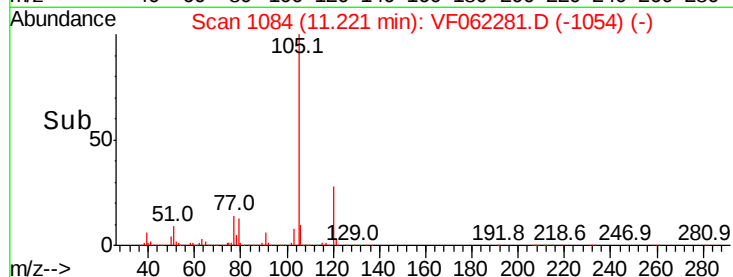
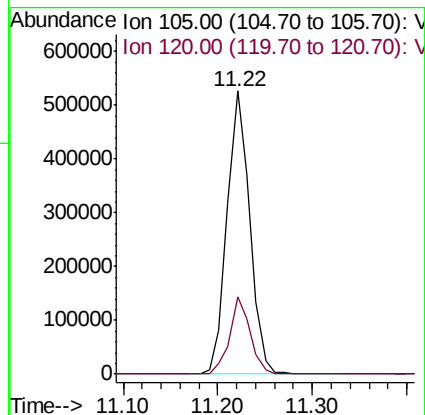
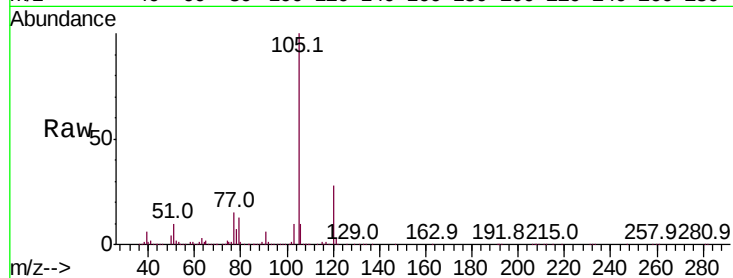
VSTDICCC050

Tot Ion:105 Resp: 876098

Ion Ratio Lower Upper

105 100

120 24.8 12.4 37.2



#74

N-ethyl acetate

Concen: 40.777 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Tgt Ion: 43 Resp: 174281

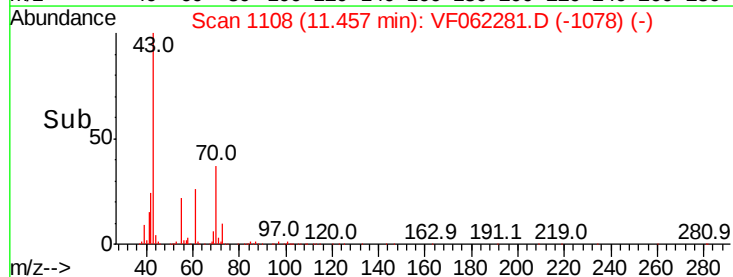
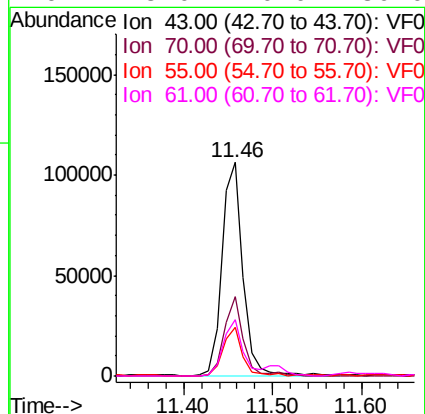
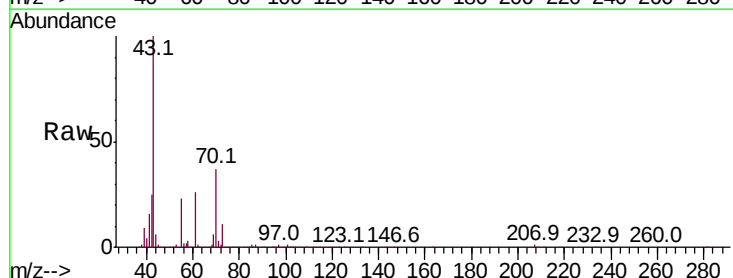
Ion Ratio Lower Upper

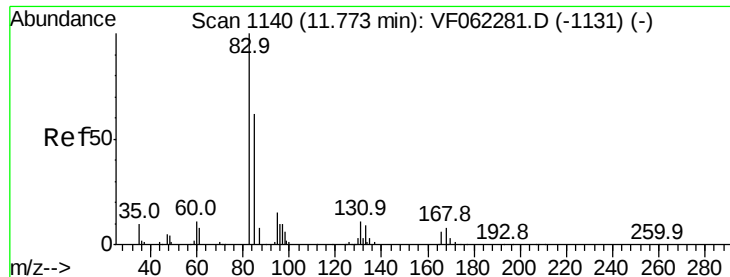
43 100

70 34.8 27.8 41.8

55 20.7 16.6 24.8

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.264 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

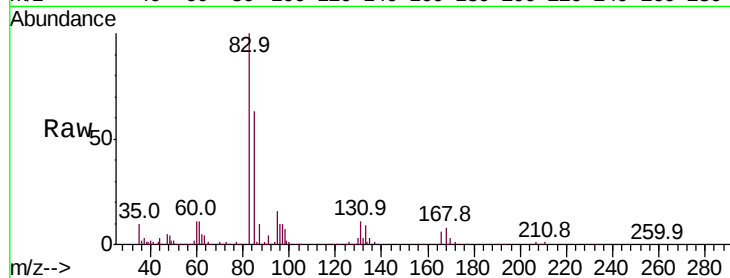
Tot Ion: 83 Resp: 141498

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.5

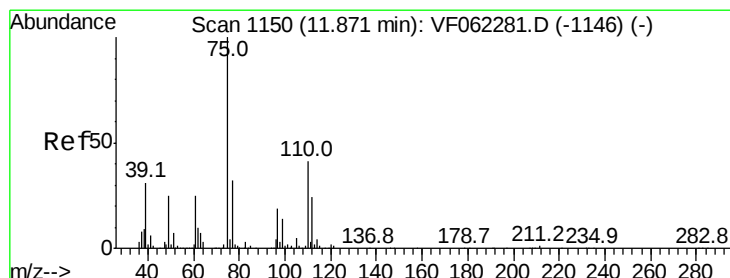
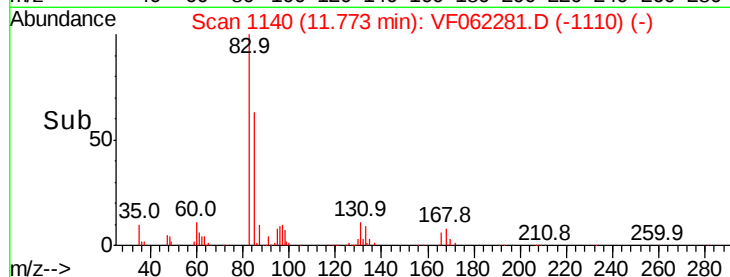
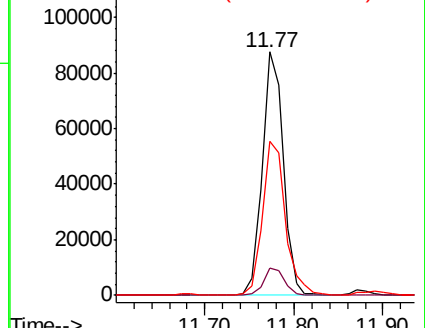
85 69.1 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 47.281 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062281.D

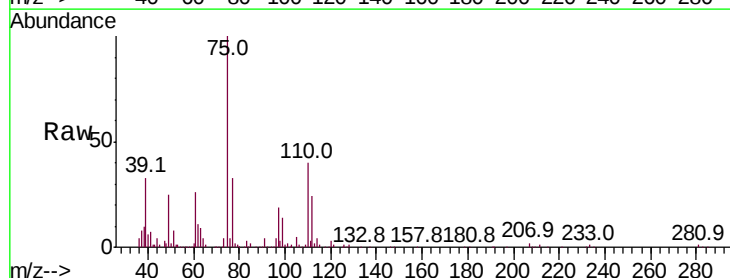
Acq: 24 Apr 2019 15:12

Tgt Ion: 75 Resp: 96049

Ion Ratio Lower Upper

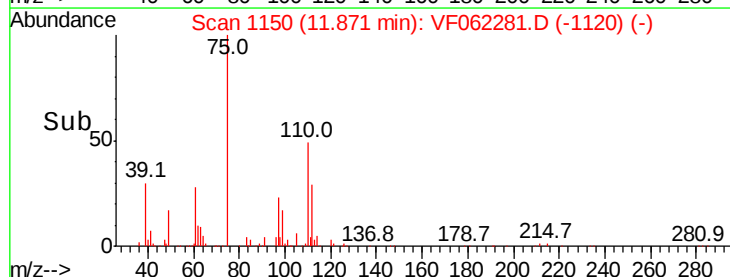
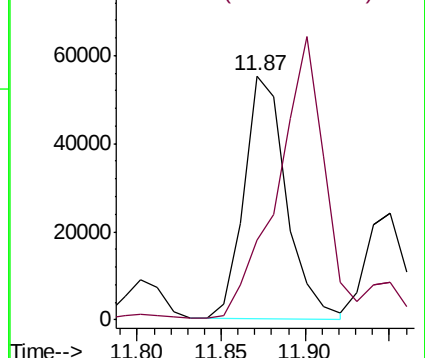
75 100

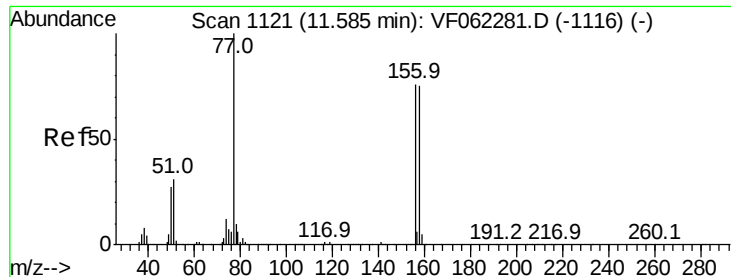
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.221 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

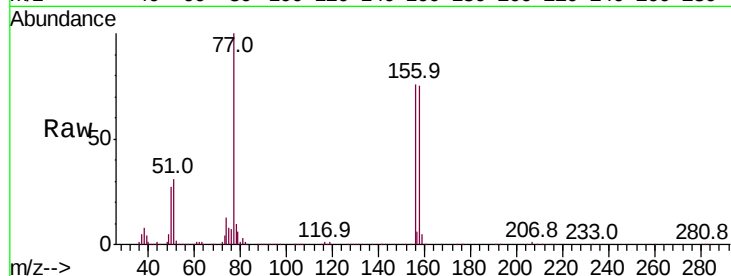
Tot Ion:156 Resp: 214387

Ion Ratio Lower Upper

156 100

77 134.6 67.3 201.9

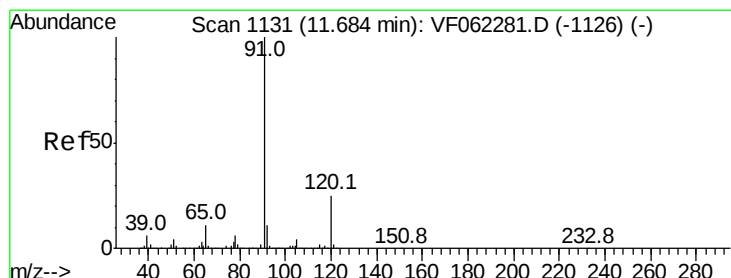
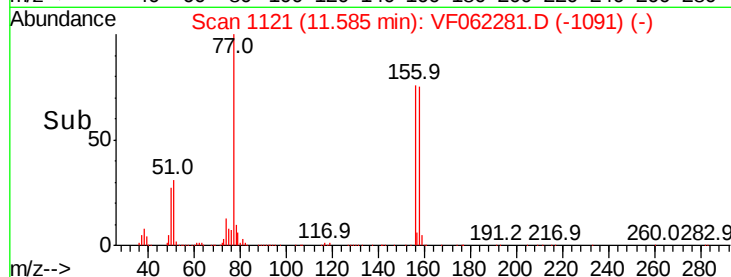
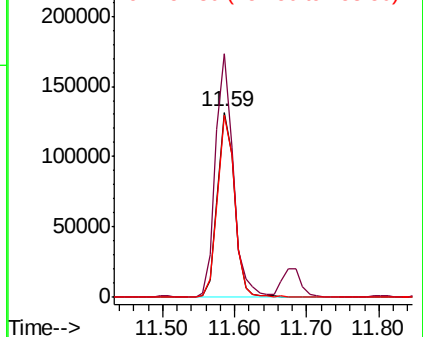
158 99.0 49.5 148.5



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: 45.131 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062281.D

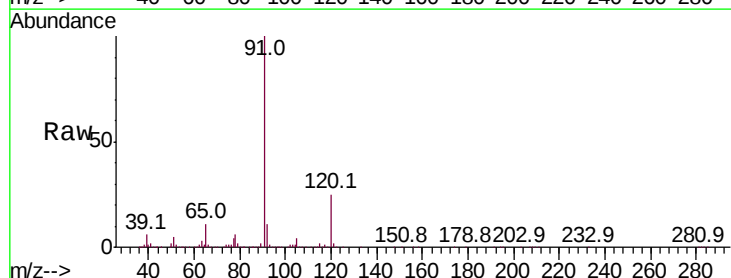
Acq: 24 Apr 2019 15:12

Tgt Ion: 91 Resp: 884098

Ion Ratio Lower Upper

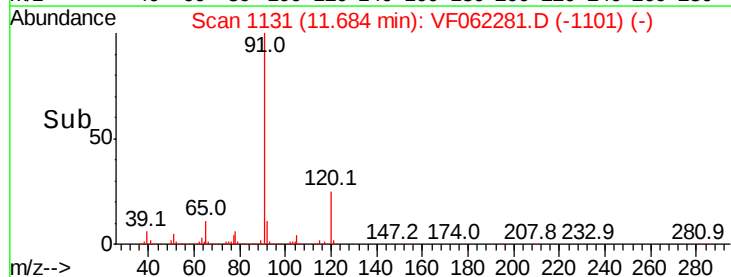
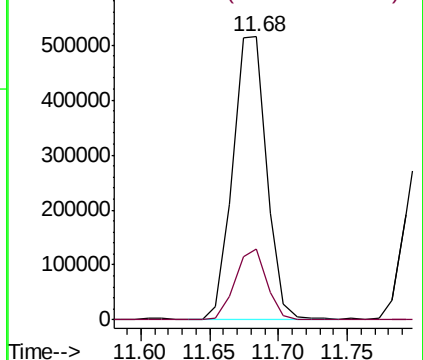
91 100

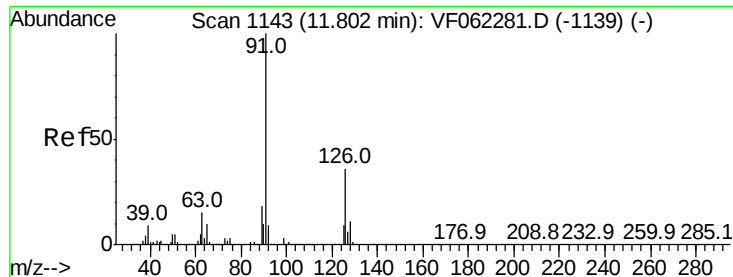
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.321 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

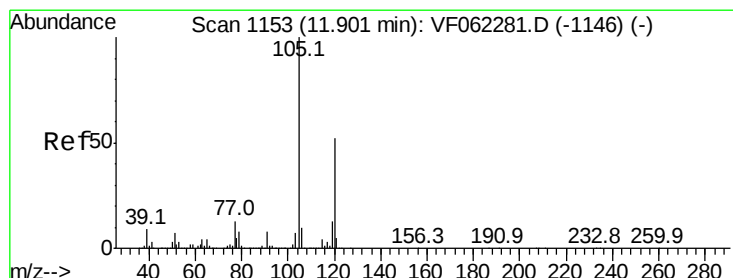
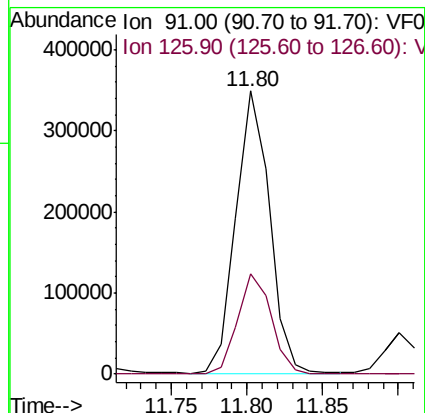
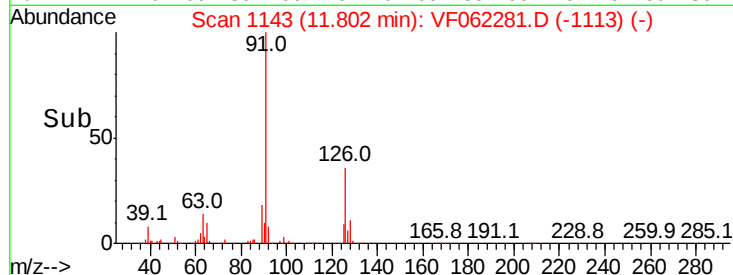
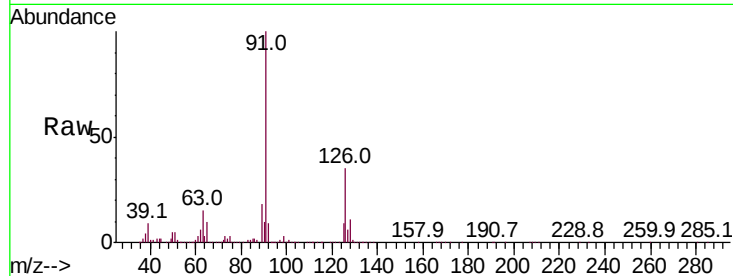
VSTDICCC050

Tot Ion: 91 Resp: 539284

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 46.405 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062281.D

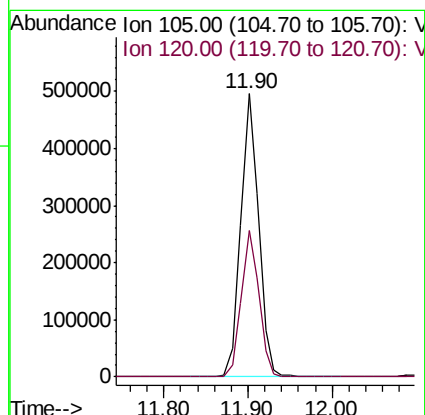
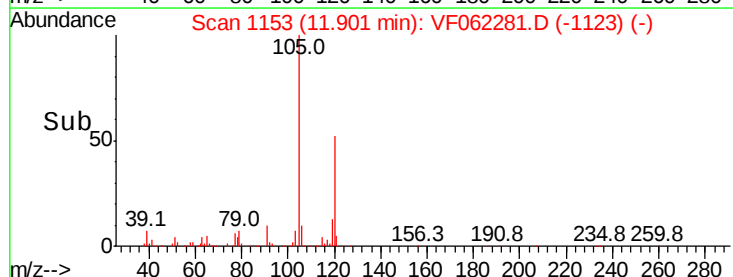
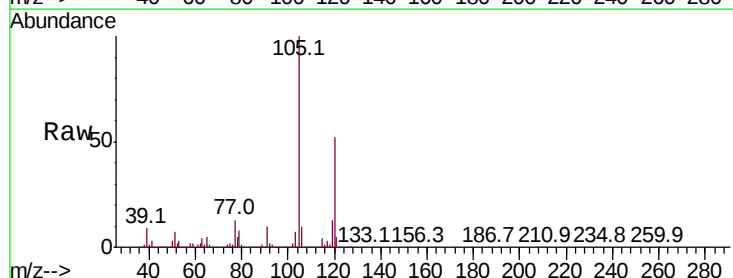
Acq: 24 Apr 2019 15:12

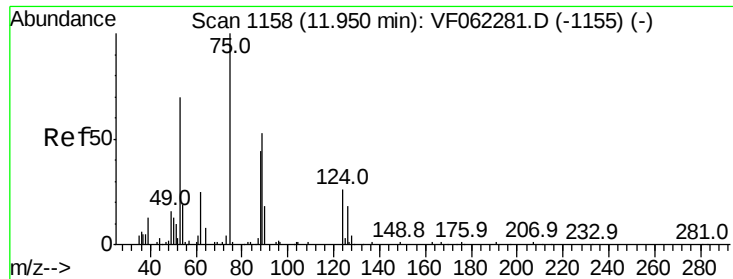
Tgt Ion: 105 Resp: 730902

Ion Ratio Lower Upper

105 100

120 51.6 25.8 77.4

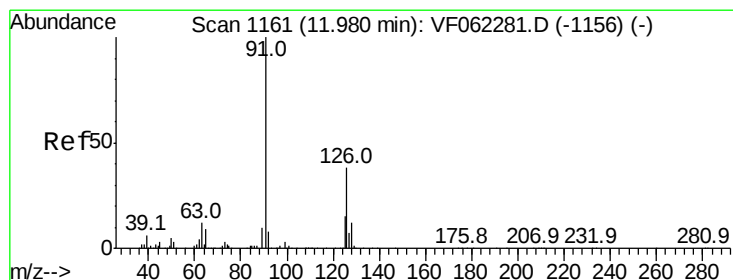
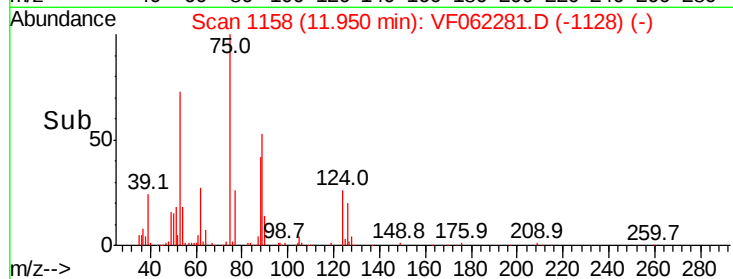
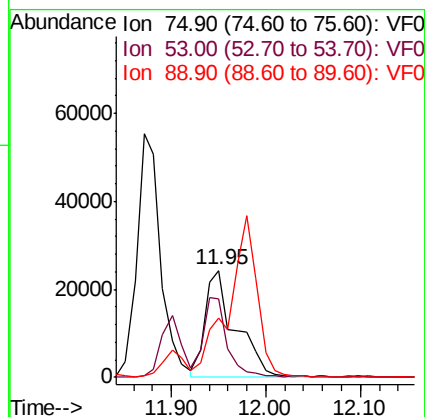
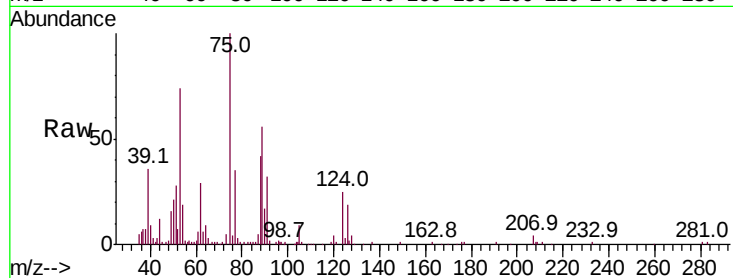




#81
trans-1,4-Dichloro-2-butene
Concen: 46.865 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

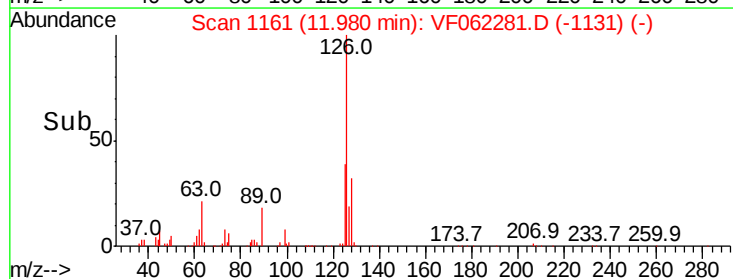
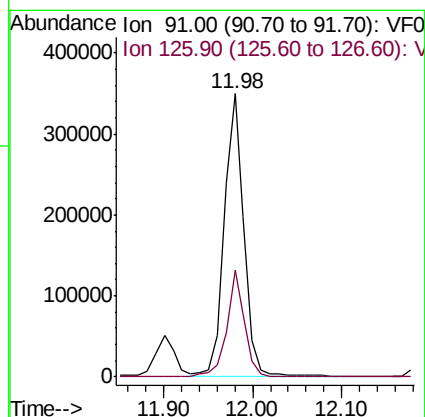
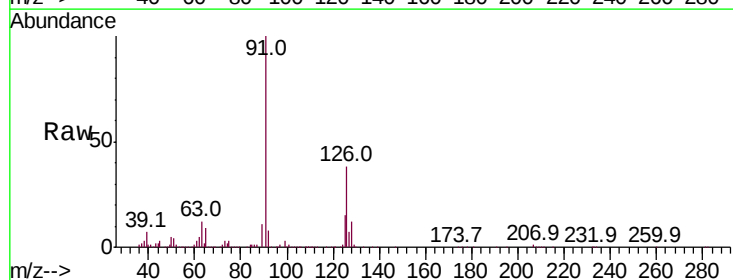
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

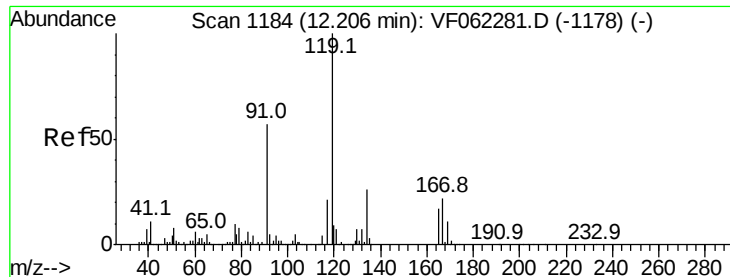
Tot Ion: 75 Resp: 55283
Ion Ratio Lower Upper
75 100
53 56.7 67.1 100.7#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 46.538 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062281.D
Acq: 24 Apr 2019 15:12

Tgt Ion: 91 Resp: 536930
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0





#83

tert-Butylbenzene

Concen: 44.329 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

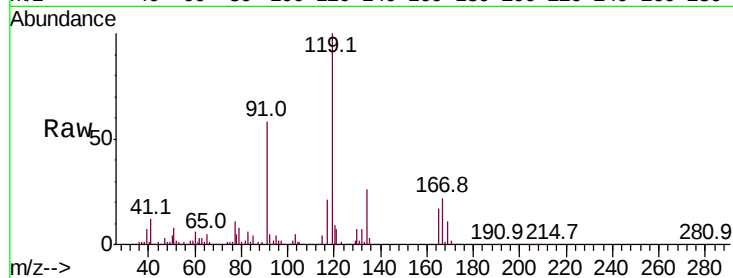
Tot Ion:119 Resp: 732066

Ion Ratio Lower Upper

119 100

91 58.8 29.4 88.2

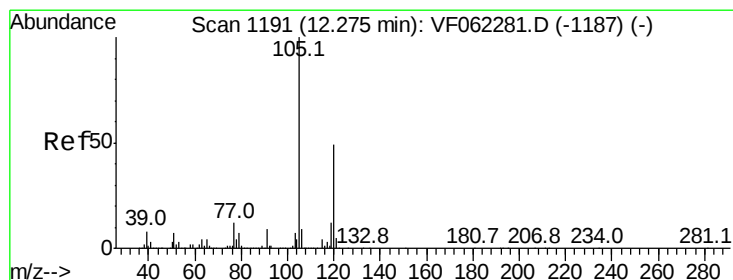
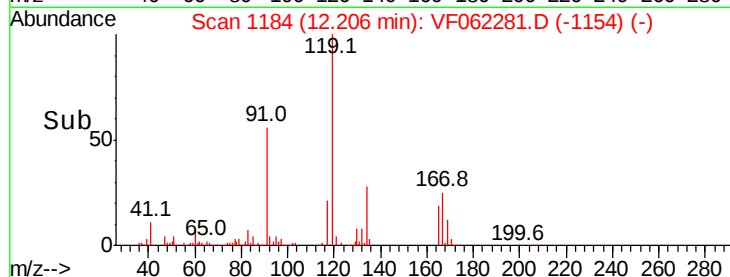
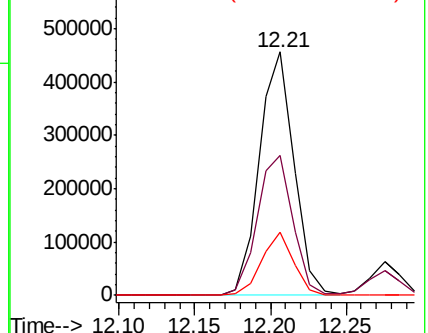
134 23.8 11.9 35.7



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: 43.210 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062281.D

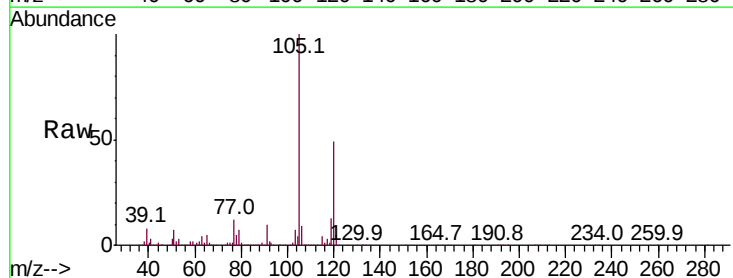
Acq: 24 Apr 2019 15:12

Tgt Ion:105 Resp: 669283

Ion Ratio Lower Upper

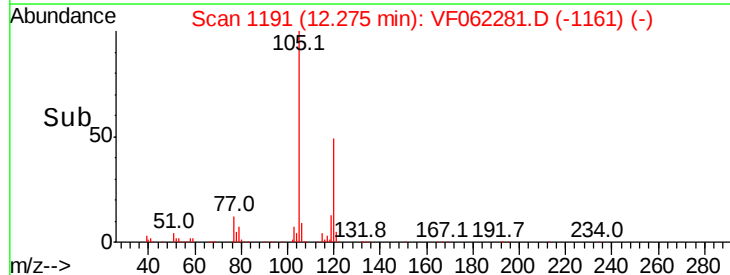
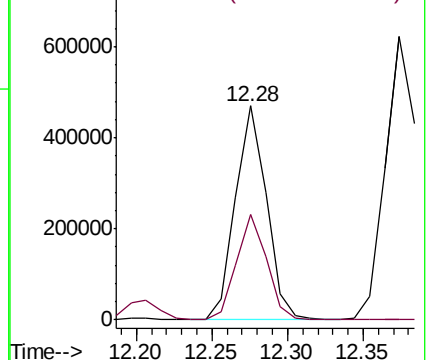
105 100

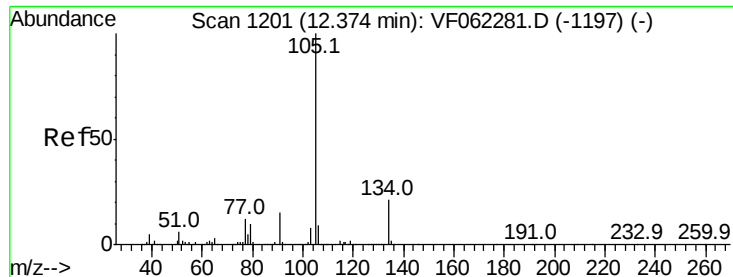
120 48.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.081 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

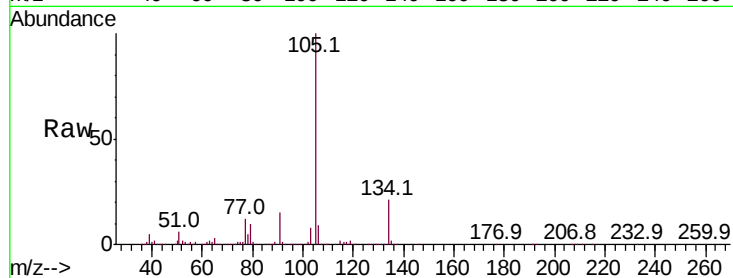
VSTDICCC050

Tot Ion:105 Resp: 924177

Ion Ratio Lower Upper

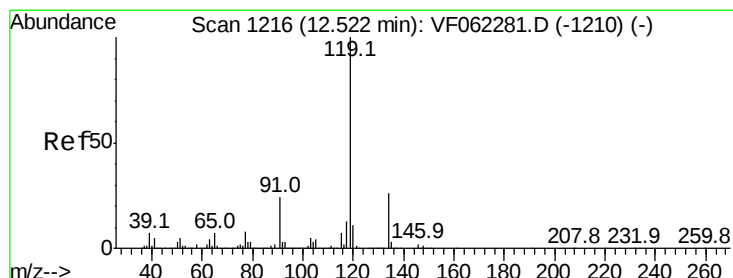
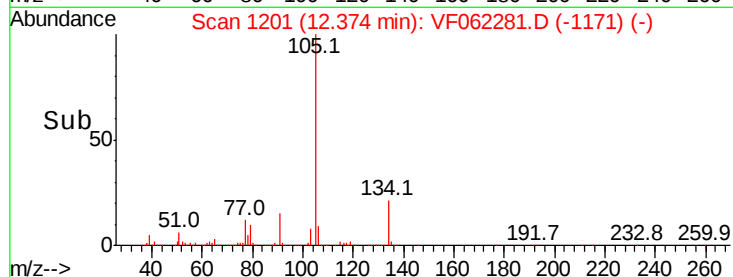
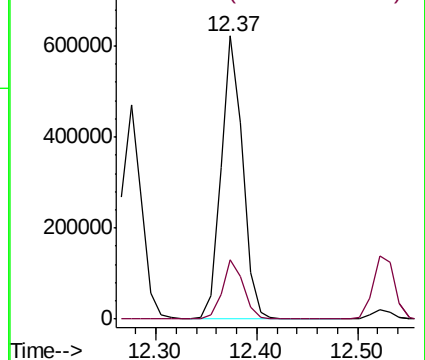
105 100

134 20.3 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: 43.806 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

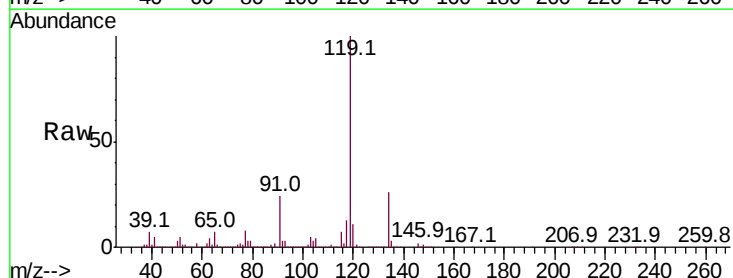
Tgt Ion:119 Resp: 799388

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

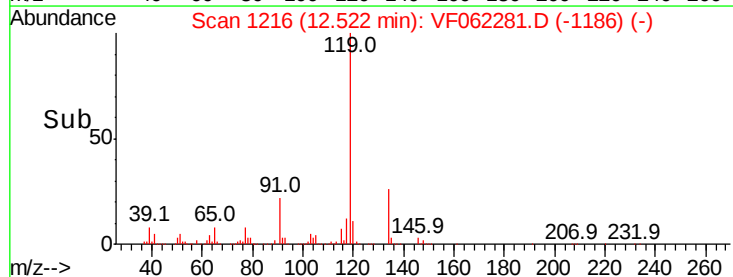
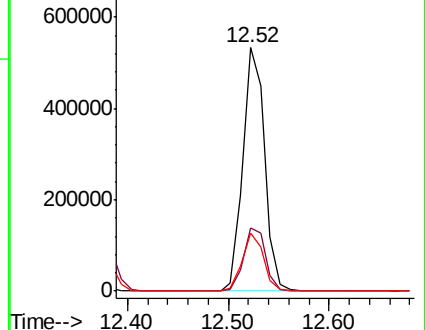
91 23.1 11.6 34.7

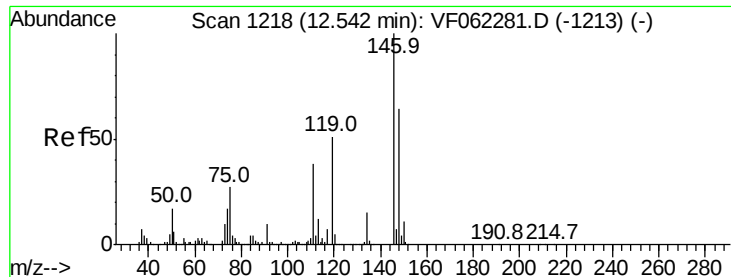


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

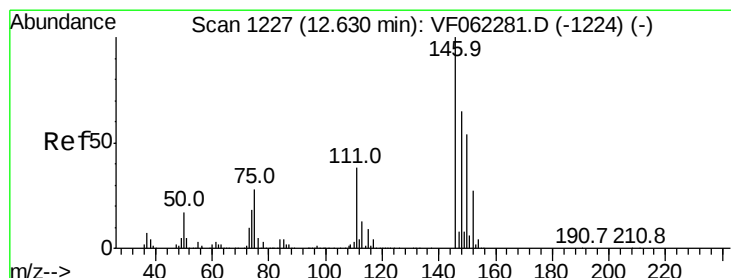
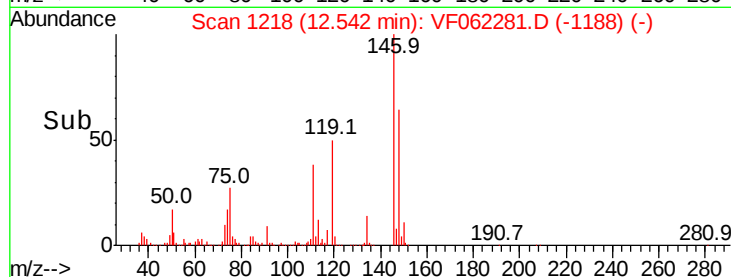
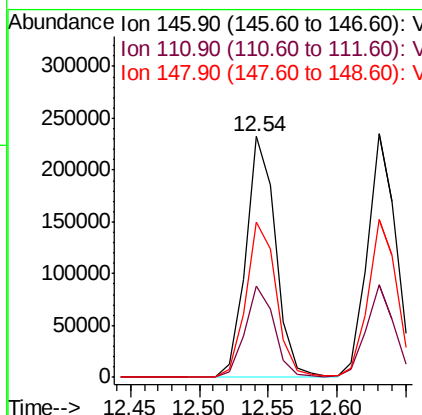
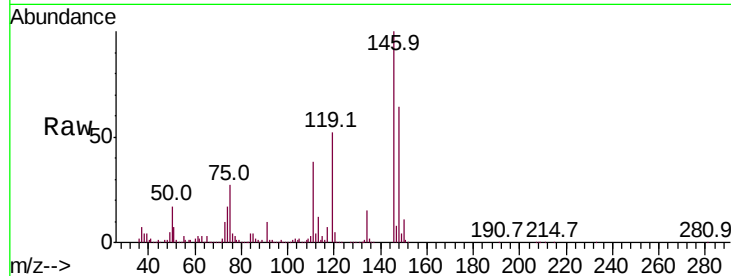




#87
 1,3-Dichlorobenzene
 Concen: 42.610 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

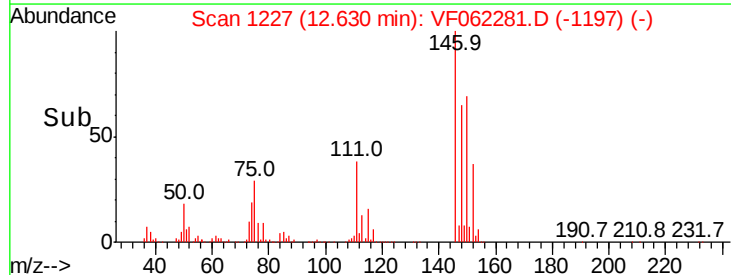
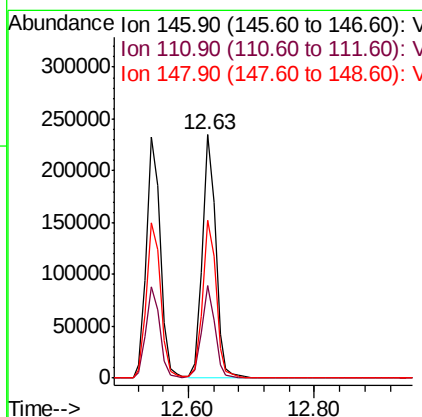
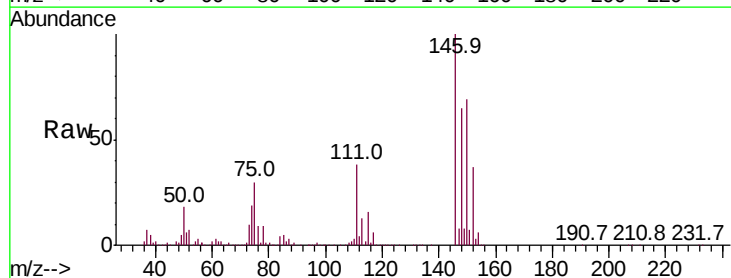
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

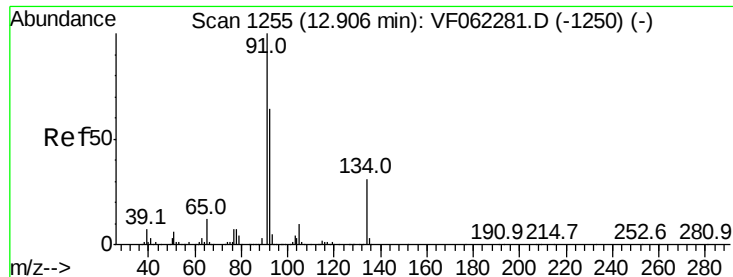
Tot Ion:146 Resp: 352007
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 65.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 44.726 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Tgt Ion:146 Resp: 346472
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 65.0 32.5 97.5





#89

n-Butylbenzene

Concen: 41.714 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

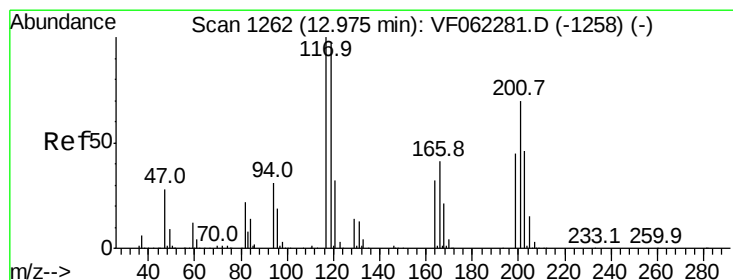
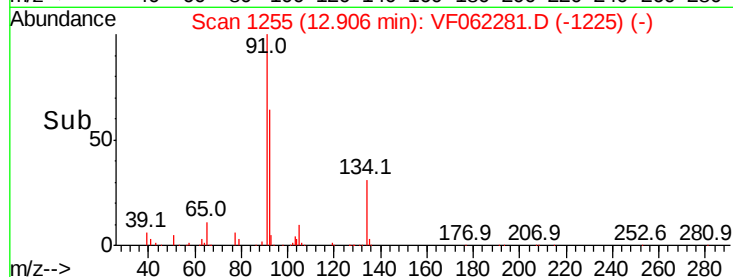
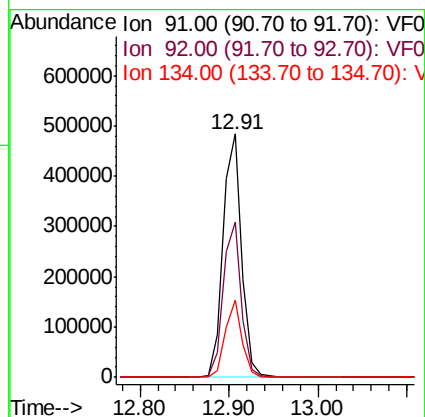
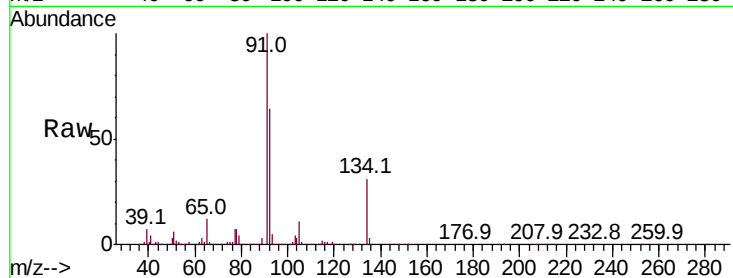
Tot Ion: 91 Resp: 709882

Ion Ratio Lower Upper

91 100

92 62.2 31.1 93.3

134 28.9 14.4 43.4



#90

Hexachloroethane

Concen: 47.018 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062281.D

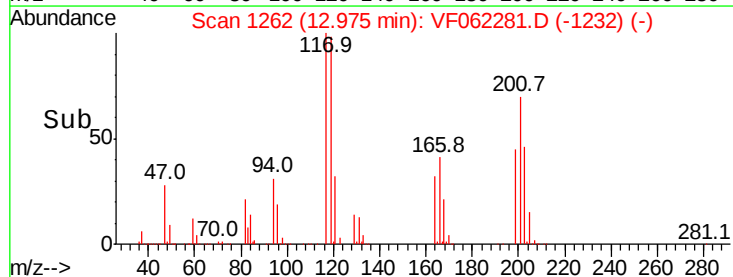
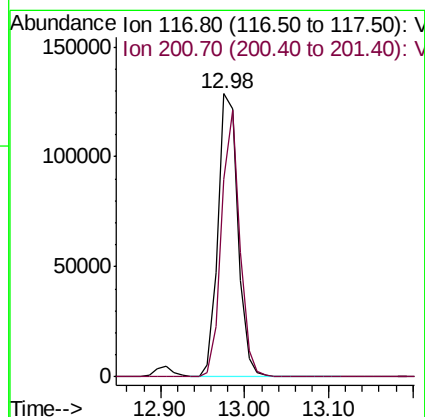
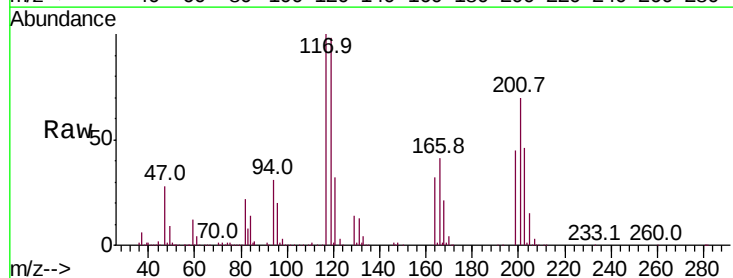
Acq: 24 Apr 2019 15:12

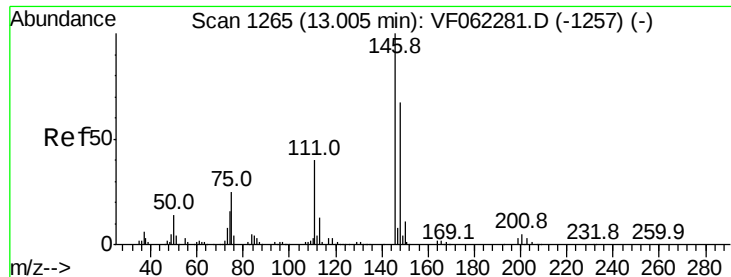
Tgt Ion: 117 Resp: 212875

Ion Ratio Lower Upper

117 100

201 85.7 42.9 128.5





#91

1,2-Dichlorobenzene

Concen: 43.464 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

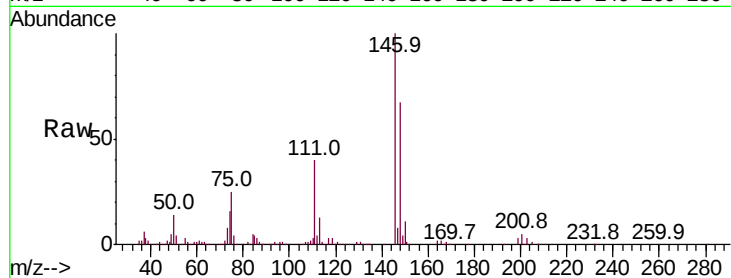
Tot Ion:146 Resp: 345168

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

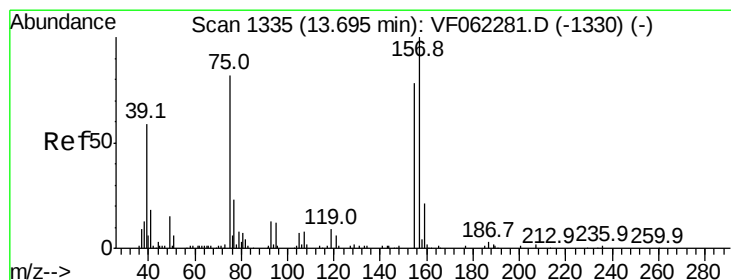
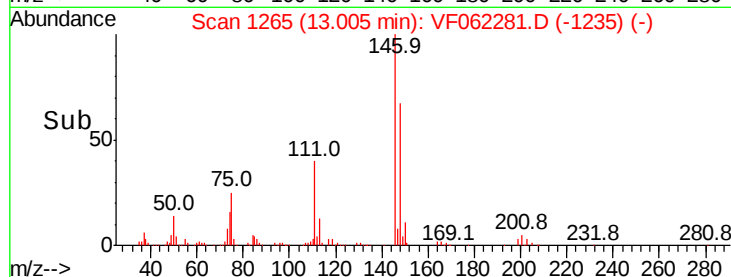
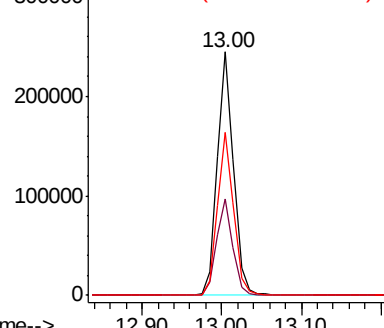
148 66.3 33.1 99.5



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: 48.852 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

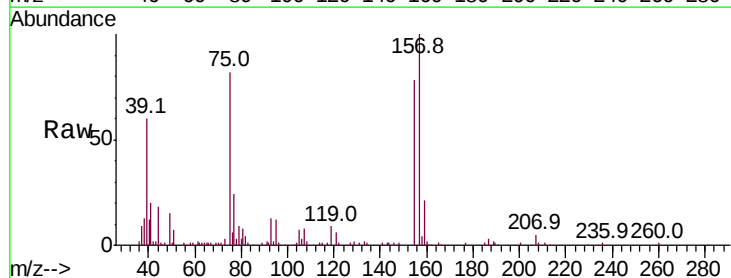
Tgt Ion: 75 Resp: 27954

Ion Ratio Lower Upper

75 100

155 103.5 51.7 155.2

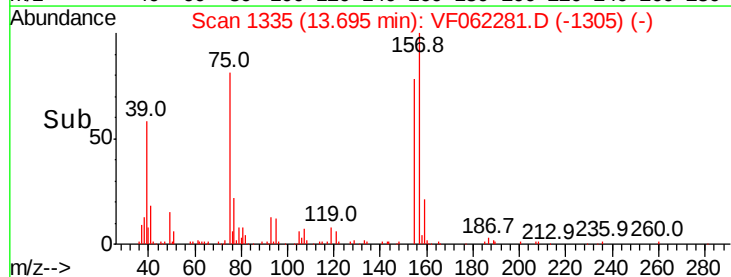
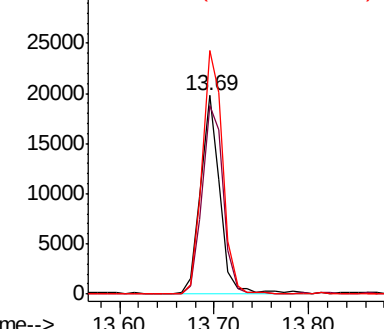
157 129.0 64.5 193.5

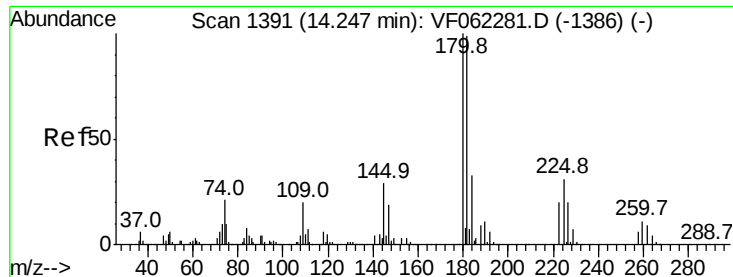


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

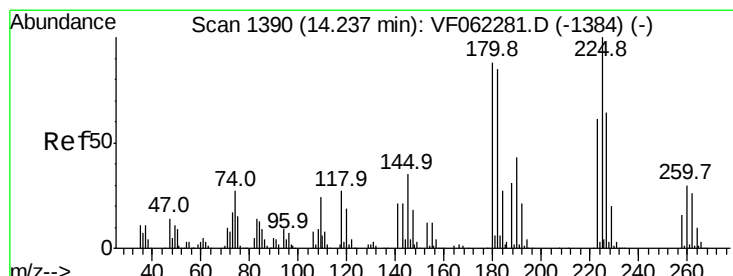
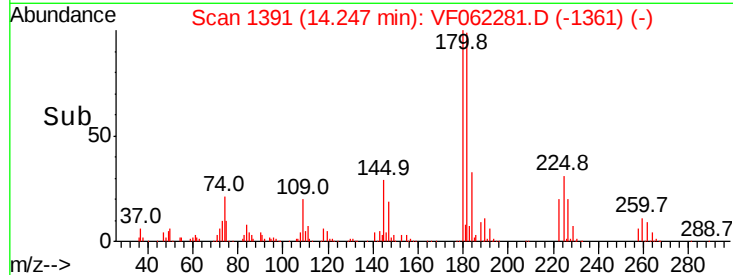
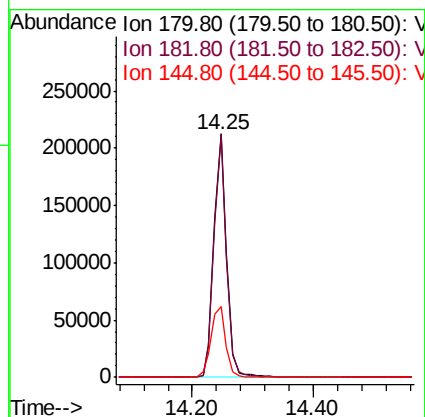
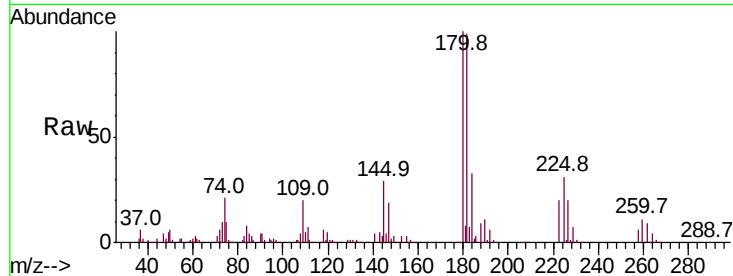




#93
 1,2,4-Trichlorobenzene
 Concen: 44.388 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

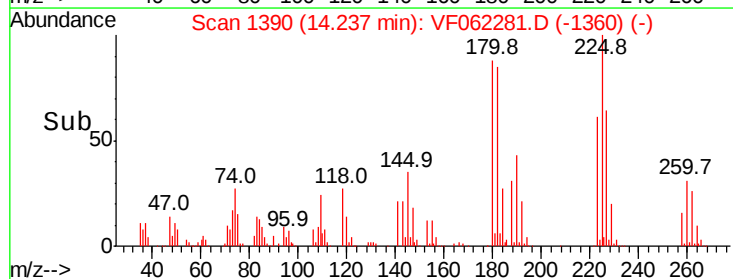
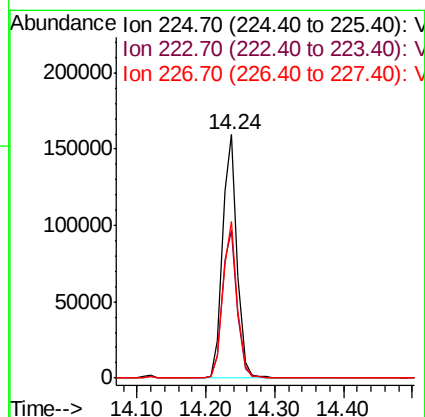
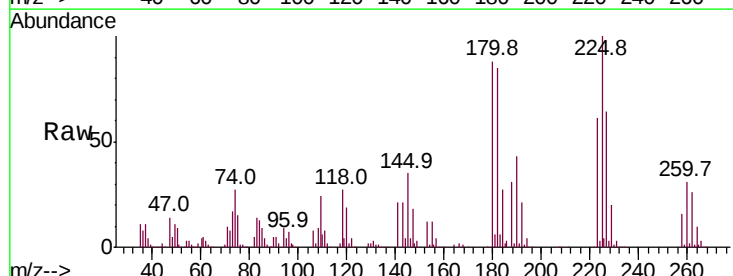
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

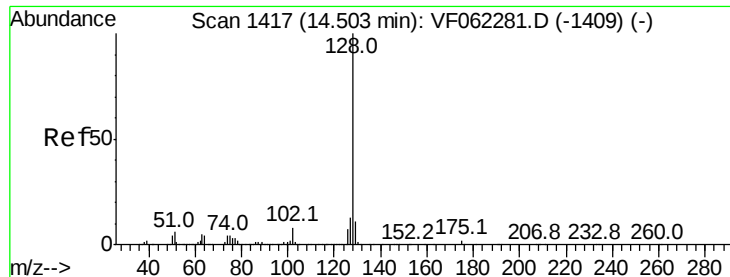
Tot Ion:180 Resp: 312324
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.5 145.6
 145 33.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 46.357 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062281.D
 Acq: 24 Apr 2019 15:12

Tgt Ion:225 Resp: 231516
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.8 92.3
 227 63.7 31.9 95.5





#95

Naphthalene

Concen: 47.849 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Instrument :

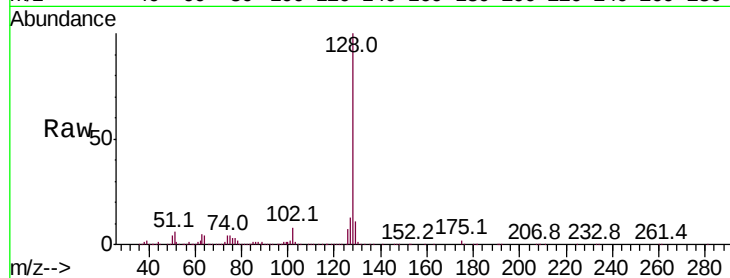
MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 499901

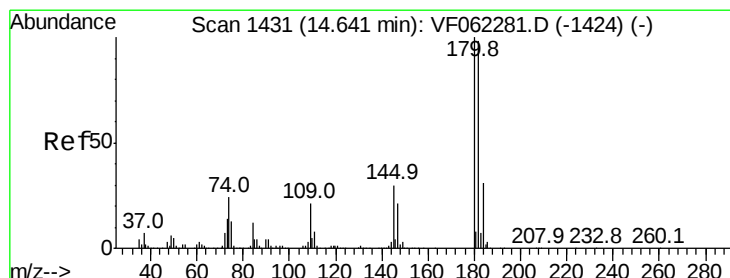
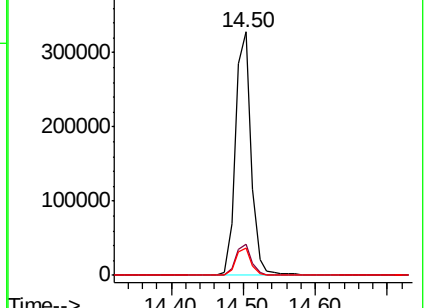
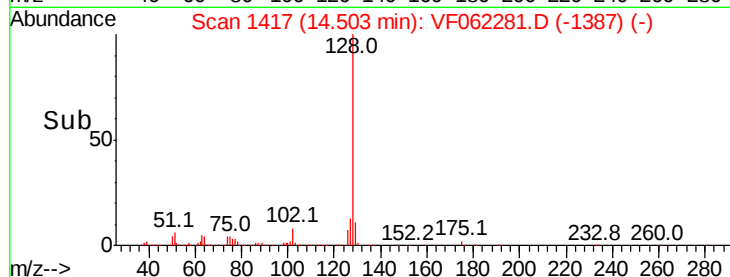
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.324 ug/l

RT: 14.64 min Scan# 1431

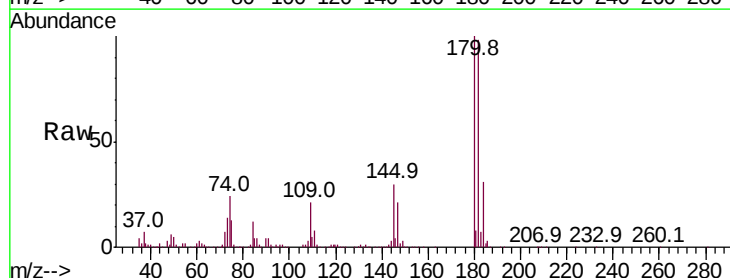
Delta R.T. 0.00 min

Lab File: VF062281.D

Acq: 24 Apr 2019 15:12

Tgt Ion:180 Resp: 300002

Ion	Ratio	Lower	Upper
180	100		
182	98.1	49.0	147.2
145	29.0	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

