

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062283.D
 Acq On : 24 Apr 2019 16:08
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 25 07:36:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	478171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	689101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	526668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	273937	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	365736	94.32	ug/l	0.00
Spiked Amount			Recovery	=	188.64%	
35) Dibromofluoromethane	4.31	113	460473	87.80	ug/l	0.00
Spiked Amount			Recovery	=	175.60%	
50) Toluene-d8	7.73	98	1155221	92.25	ug/l	0.00
Spiked Amount			Recovery	=	184.50%	
62) 4-Bromofluorobenzene	11.50	95	452094	85.66	ug/l	0.00
Spiked Amount			Recovery	=	171.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	514986	87.053	ug/l	98
3) Chloromethane	1.15	50	443043	89.426	ug/l	93
4) Vinyl Chloride	1.19	62	420664	90.510	ug/l	95
5) Bromomethane	1.40	94	276187	88.044	ug/l	90
6) Chloroethane	1.44	64	184030	90.370	ug/l	99
7) Trichlorofluoromethane	1.56	101	684815	93.406	ug/l	90
8) Diethyl Ether	1.71	74	120055	91.111	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	430354	93.646	ug/l	98
10) Methyl Iodide	1.99	142	748865	93.618	ug/l	100
11) Tert butyl alcohol	2.72	59	115924	502.129	ug/l	99
12) 1,1-Dichloroethene	1.87	96	377262	89.464	ug/l	99
13) Acrolein	2.11	56	109052	713.228	ug/l	100
14) Allyl chloride	2.21	41	399213	62.793	ug/l #	70
15) Acrylonitrile	3.09	53	300177	449.569	ug/l	99
16) Acetone	2.35	43	393320	454.021	ug/l	100
17) Carbon Disulfide	1.92	76	983137	89.913	ug/l	98
18) Methyl Acetate	2.47	43	157580	73.363	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	728364	93.745	ug/l	99
20) Methylene Chloride	2.34	84	246463	44.969	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	381347	94.154	ug/l	99
22) Diisopropyl ether	2.94	45	1109868	91.719	ug/l #	97
23) Vinyl Acetate	3.36	43	2422874	462.155	ug/l	98
24) 1,1-Dichloroethane	3.02	63	646930	95.301	ug/l	98
25) 2-Butanone	4.54	43	641853	467.479	ug/l	99
26) 2,2-Dichloropropane	3.78	77	313222	88.348	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	490568	94.687	ug/l	96
28) Bromochloromethane	3.91	49	245945	82.846	ug/l #	95
29) Tetrahydrofuran	4.29	42	280990	469.538	ug/l	97
30) Chloroform	4.06	83	817512	96.552	ug/l	98
31) Cyclohexane	3.88	56	609706	92.851	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	638170	101.207	ug/l #	84
36) 1,1-Dichloropropene	4.48	75	590869	90.279	ug/l	98
37) Ethyl Acetate	4.31	43	244723	91.067	ug/l	87
38) Carbon Tetrachloride	4.20	117	765631	119.722	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	677194	87.801	ug/l	98
40) Benzene	4.84	78	1426399	90.357	ug/l	99
41) Methacrylonitrile	4.95	41	138941	92.564	ug/l	92
42) 1,2-Dichloroethane	5.14	62	473474	97.667	ug/l	99
43) Isopropyl Acetate	7.12	43	275528	97.210	ug/l #	100
44) Trichloroethene	5.69	130	474318	88.838	ug/l	99
45) 1,2-Dichloropropane	6.42	63	318610	91.624	ug/l	97
46) Dibromomethane	6.27	93	242094	96.109	ug/l	99
47) Bromodichloromethane	6.56	83	552022	93.087	ug/l	97
48) Methyl methacrylate	6.89	41	183166	94.180	ug/l	100
49) 1,4-Dioxane	6.88	88	40349	1812.725	ug/l	98
51) 4-Methyl-2-Pentanone	8.42	43	935116	431.190	ug/l	99
52) Toluene	7.79	92	802338	88.615	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	402818	93.272	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	521981	93.079	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	254703	102.924	ug/l	94
56) Ethyl methacrylate	8.77	69	263337	95.190	ug/l	99
57) 1,3-Dichloropropane	9.01	76	374522	96.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	404968	473.854	ug/l	99
59) 2-Hexanone	9.63	43	619757	293.046	ug/l	98
60) Dibromochloromethane	8.87	129	408173	102.360	ug/l	95
61) 1,2-Dibromoethane	9.14	107	283123	98.178	ug/l	96
64) Tetrachloroethene	8.32	164	385800	85.224	ug/l	97
65) Chlorobenzene	9.94	112	878618	89.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	401228	85.217	ug/l	99
67) Ethyl Benzene	10.04	91	1441931	83.218	ug/l	97
68) m/p-Xylenes	10.27	106	1129124	176.487	ug/l	90
69) o-Xylene	10.83	106	619236	86.225	ug/l	89
70) Styrene	10.90	104	901162	86.736	ug/l	98
71) Bromoform	10.89	173	239790	93.835	ug/l #	100
73) Isopropylbenzene	11.22	105	1727051	88.307	ug/l	94
74) N-amyl acetate	11.45	43	400453	90.186	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	283530	96.945	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	200587	95.042	ug/l #	100
77) Bromobenzene	11.59	156	445784	94.510	ug/l	99
78) n-propylbenzene	11.68	91	1742604	85.624	ug/l	96
79) 2-Chlorotoluene	11.81	91	1079020	89.208	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	1371660	83.824	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	116927	95.409	ug/l #	70
82) 4-Chlorotoluene	11.98	91	1054117	87.942	ug/l	95
83) tert-Butylbenzene	12.20	119	1399371	81.562	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	1331287	82.729	ug/l	96
85) sec-Butylbenzene	12.38	105	1790984	84.090	ug/l	97
86) p-Isopropyltoluene	12.53	119	1573457	82.994	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	737710	85.953	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	705603	87.674	ug/l	97
89) n-Butylbenzene	12.90	91	1355148	76.648	ug/l	97
90) Hexachloroethane	12.98	117	419204	89.122	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	694211	84.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	60831	102.325	ug/l	97

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Response via : Initial Calibration

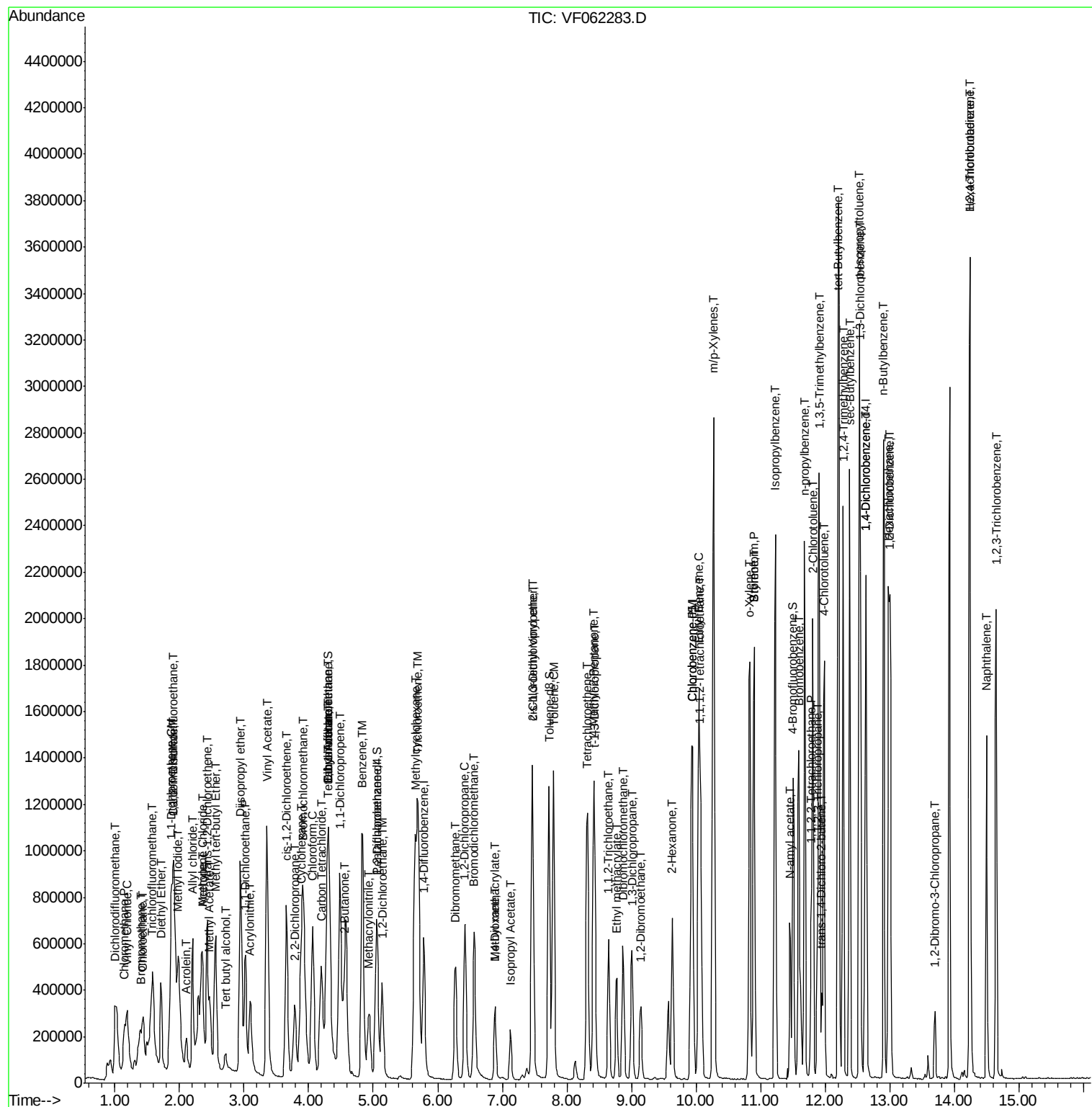
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	604969	82.758	ug/l	98
94) Hexachlorobutadiene	14.23	225	451860	87.088	ug/l	99
95) Naphthalene	14.50	128	1055980	97.288	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	614904	91.392	ug/l	97

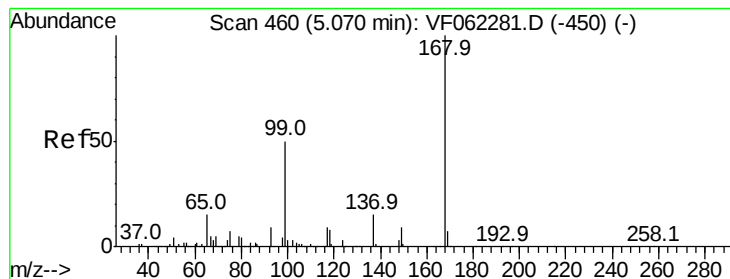
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

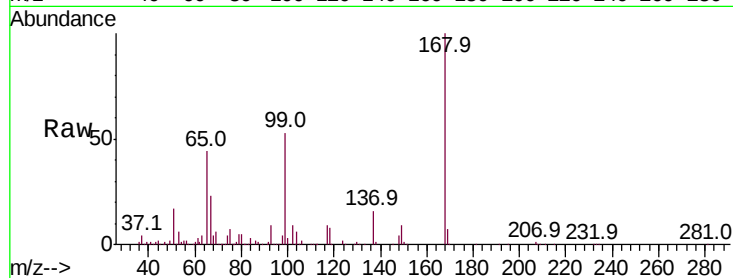
VSTDIC100

Tot Ion:168 Resp: 478171

Ion Ratio Lower Upper

168 100

99 52.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

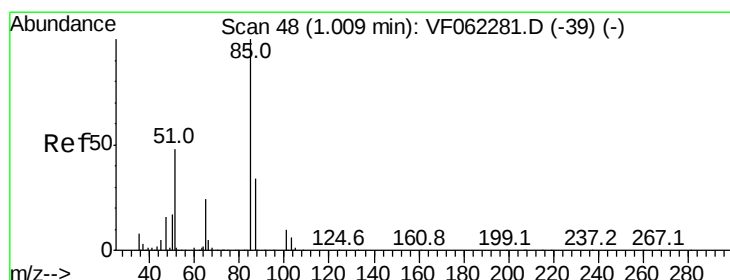
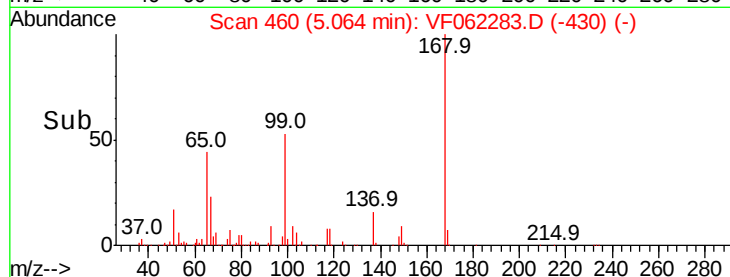
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 87.053 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062283.D

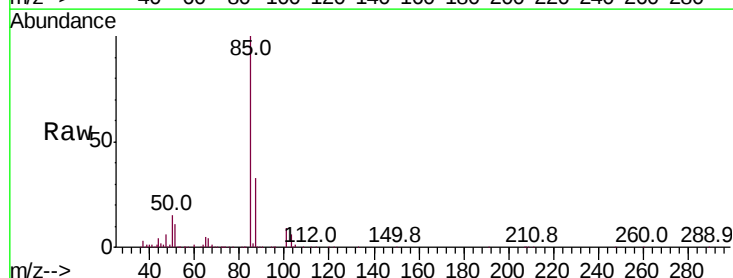
Acq: 24 Apr 2019 16:08

Tgt Ion: 85 Resp: 514986

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

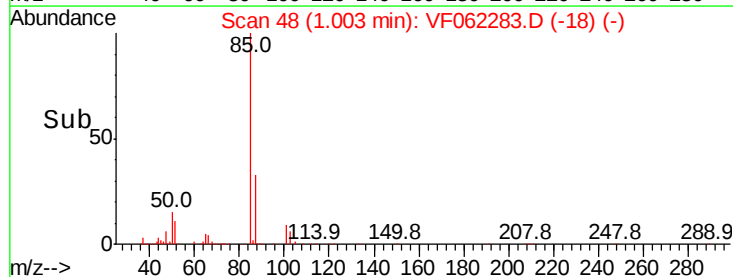
150000

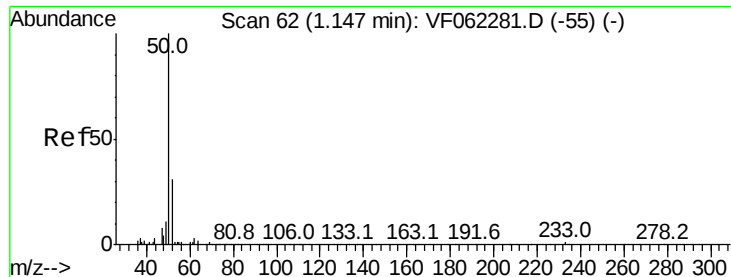
100000

50000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 89.426 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

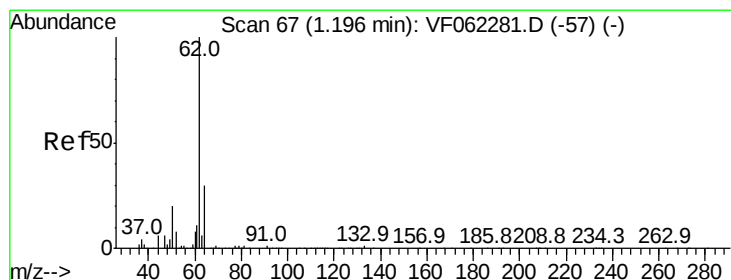
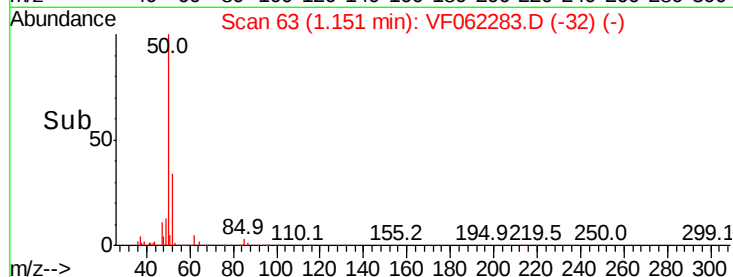
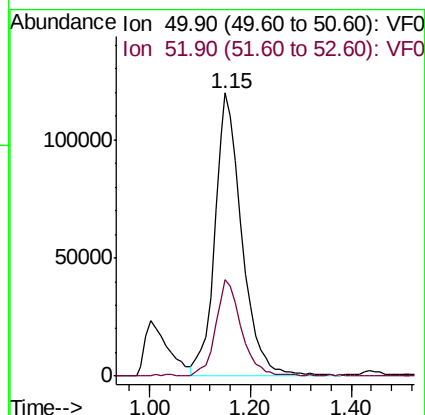
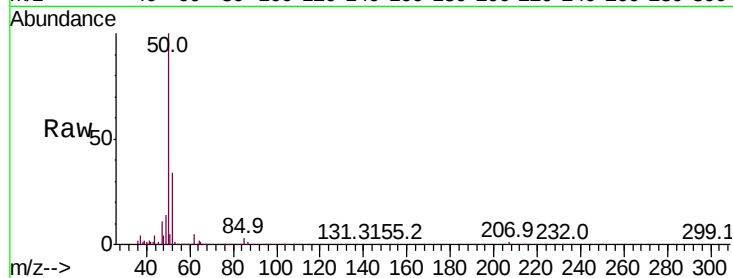
VSTDIC100

Tot Ion: 50 Resp: 443043

Ion Ratio Lower Upper

50 100

52 34.0 24.2 36.4



#4

Vinyl Chloride

Concen: 90.510 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062283.D

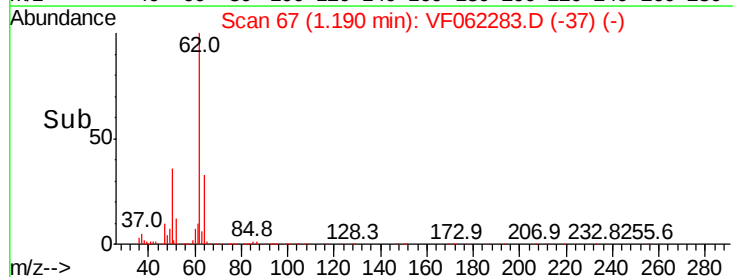
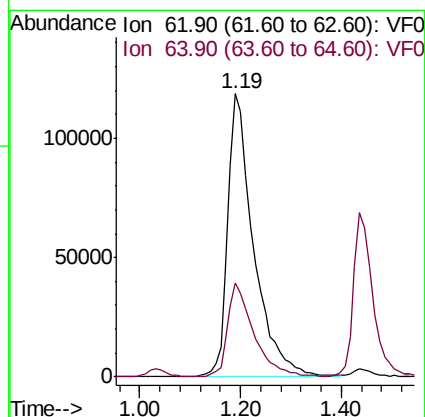
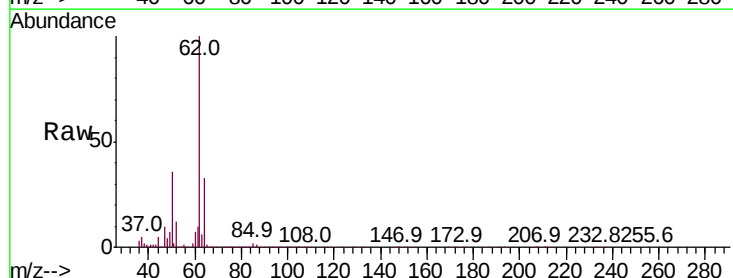
Acq: 24 Apr 2019 16:08

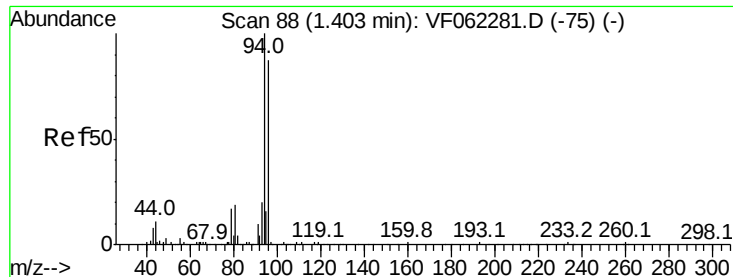
Tgt Ion: 62 Resp: 420664

Ion Ratio Lower Upper

62 100

64 33.0 24.3 36.5





#5

Bromomethane

Concen: 88.044 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

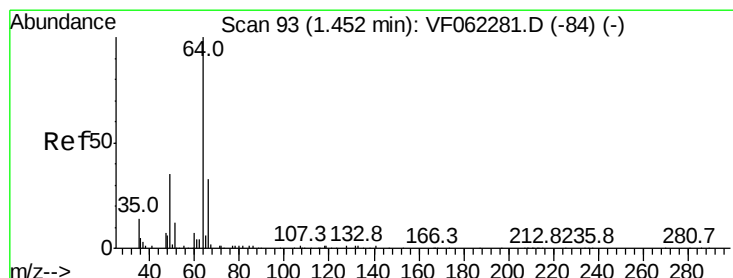
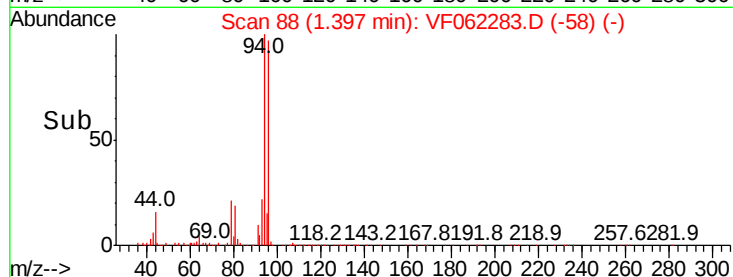
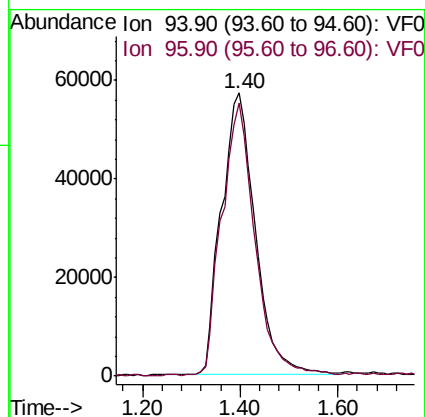
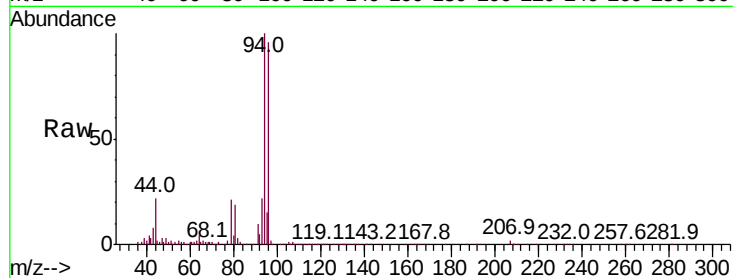
VSTDIC100

Tot Ion: 94 Resp: 276187

Ion Ratio Lower Upper

94 100

96 96.2 69.5 104.3



#6

Chloroethane

Concen: 90.370 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062283.D

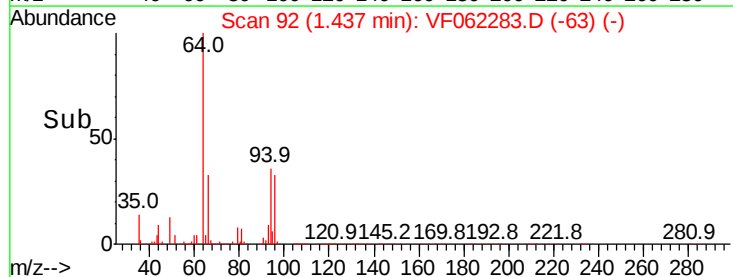
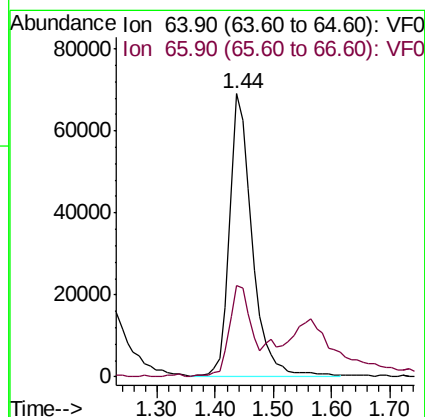
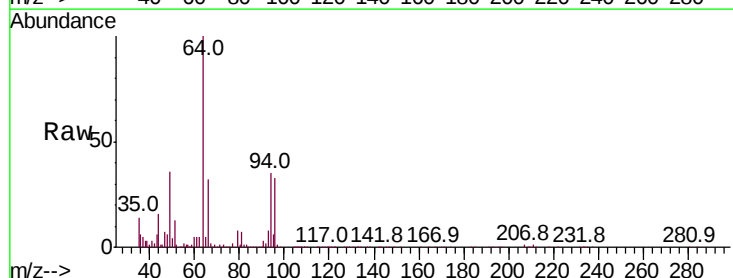
Acq: 24 Apr 2019 16:08

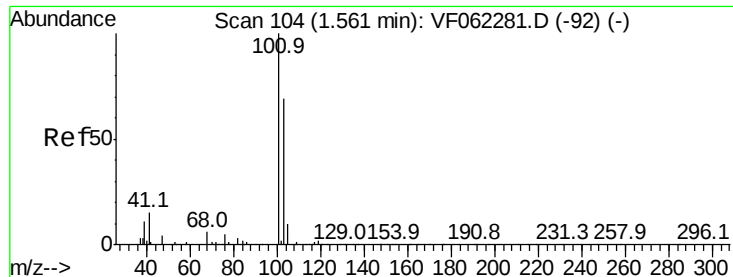
Tgt Ion: 64 Resp: 184030

Ion Ratio Lower Upper

64 100

66 32.2 26.0 39.0



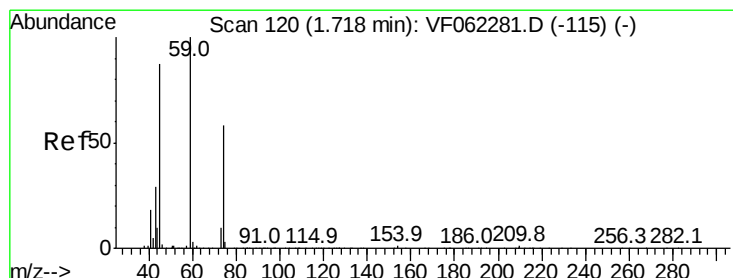
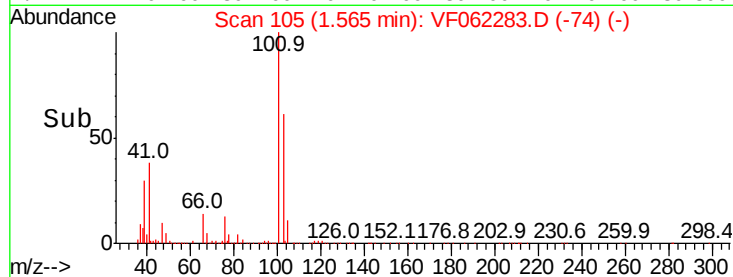
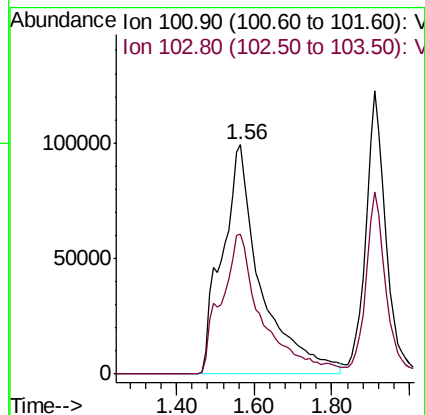
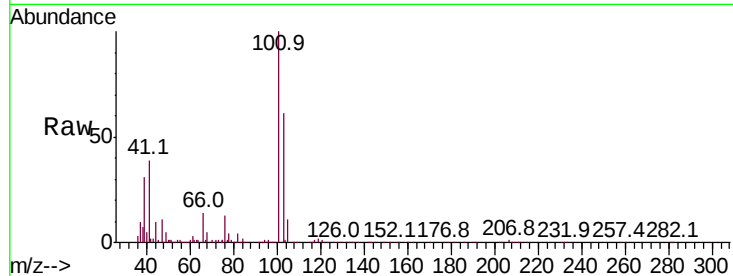


#7

Trichlorofluoromethane
 Concen: 93.406 ug/l
 RT: 1.56 min Scan# 105
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

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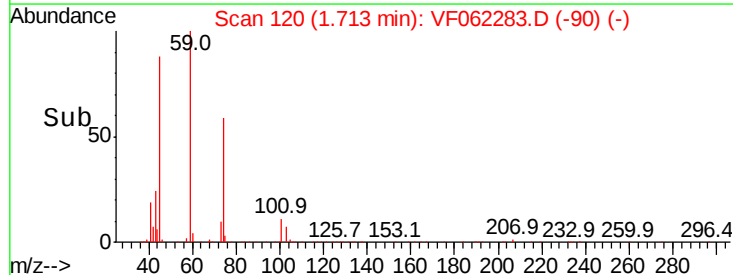
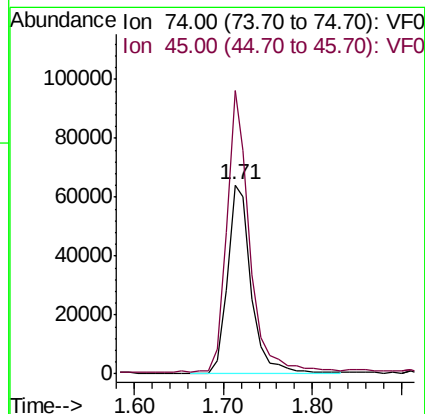
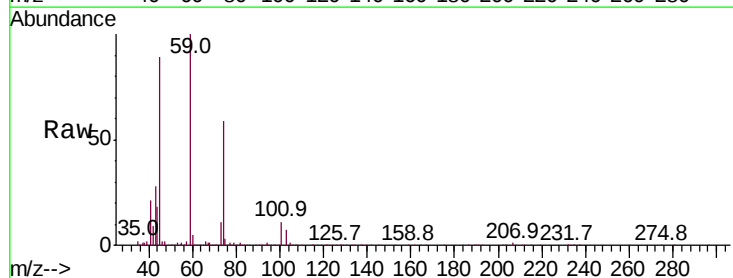
Tot Ion:101 Resp: 684815
 Ion Ratio Lower Upper
 101 100
 103 61.0 55.0 82.6

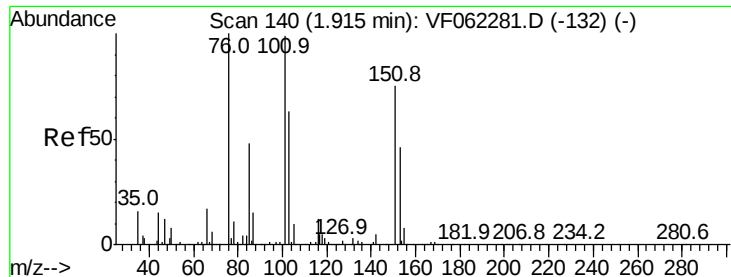


#8

Diethyl Ether
 Concen: 91.111 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion: 74 Resp: 120055
 Ion Ratio Lower Upper
 74 100
 45 143.2 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.646 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

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VSTDIC100

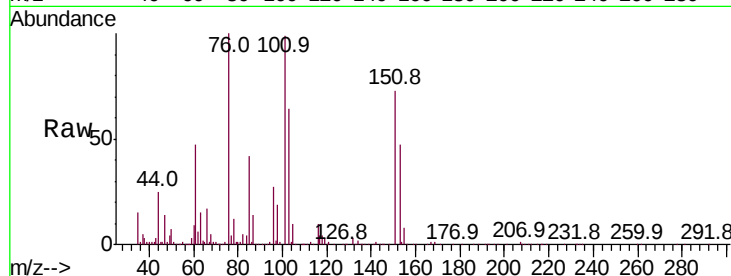
Tot Ion:101 Resp: 430354

Ion Ratio Lower Upper

101 100

85 43.6 36.5 54.7

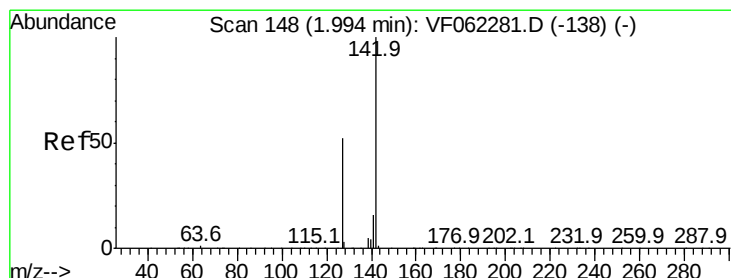
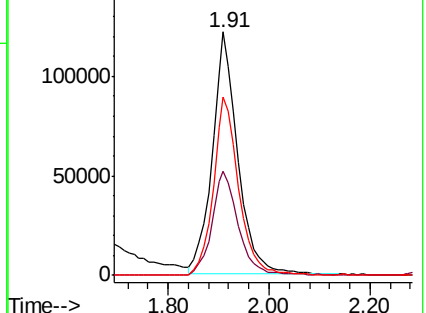
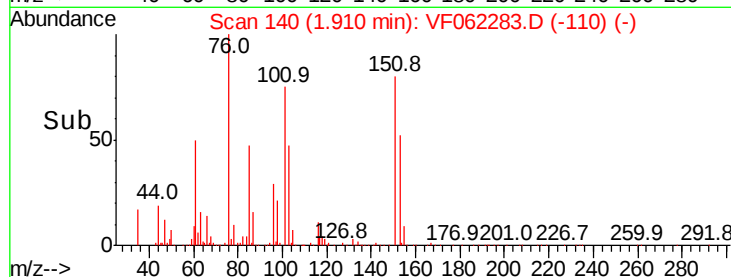
151 73.5 59.2 88.8



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: 93.618 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

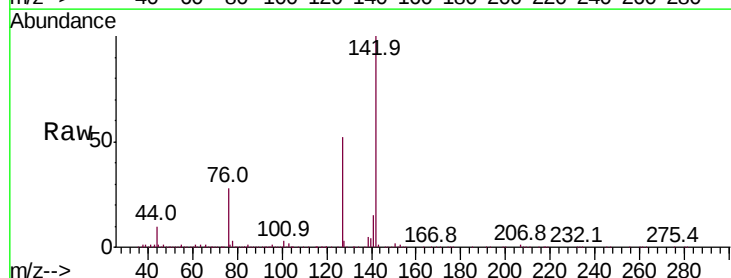
Tgt Ion:142 Resp: 748865

Ion Ratio Lower Upper

142 100

127 53.9 43.0 64.4

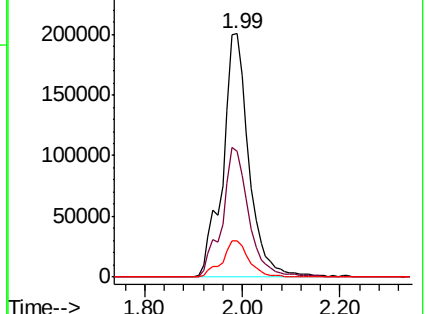
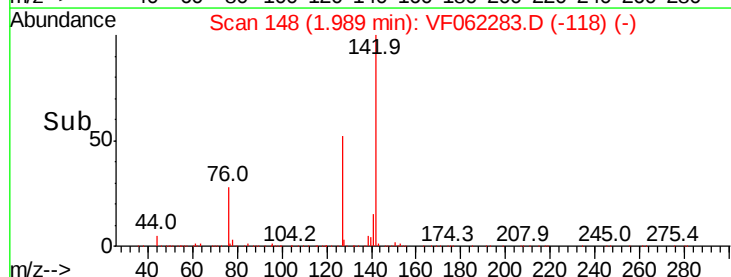
141 15.4 12.3 18.5

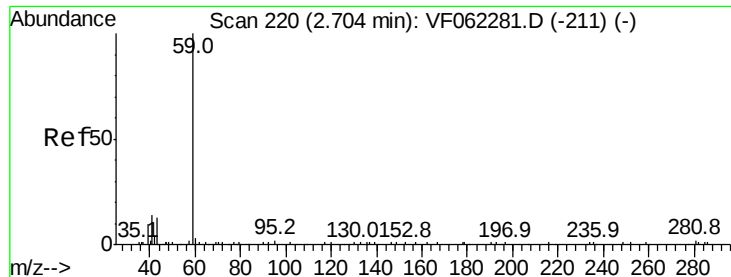


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



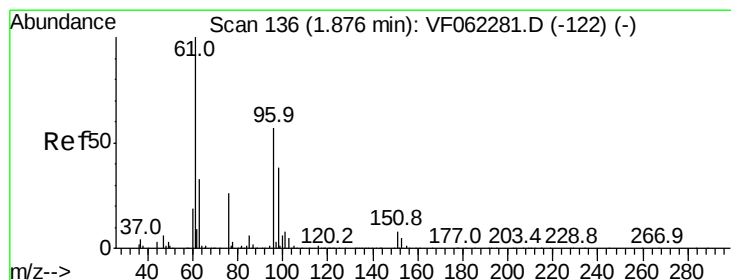
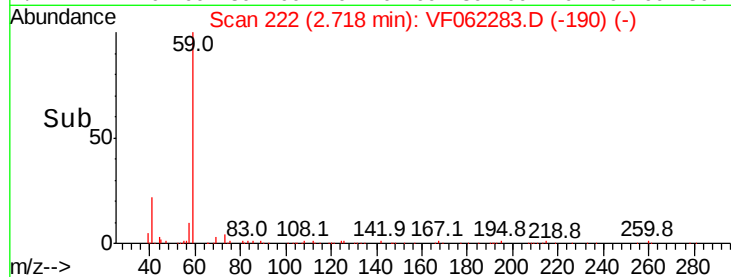
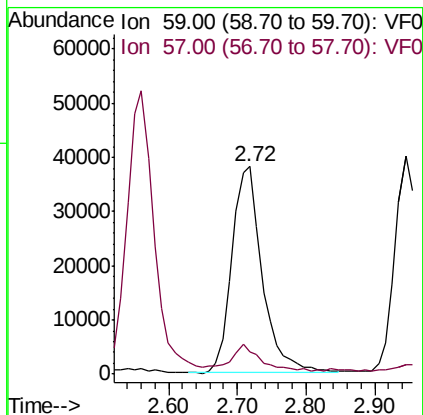
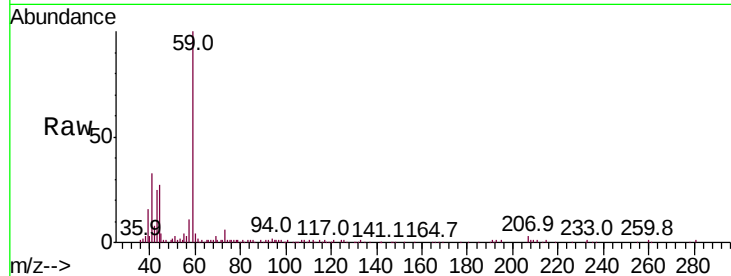


#11

Tert butyl alcohol
 Concen: 502.129 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

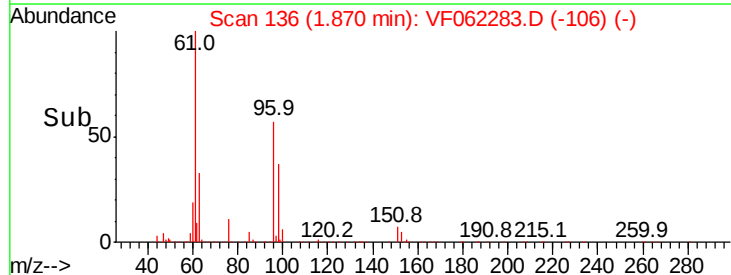
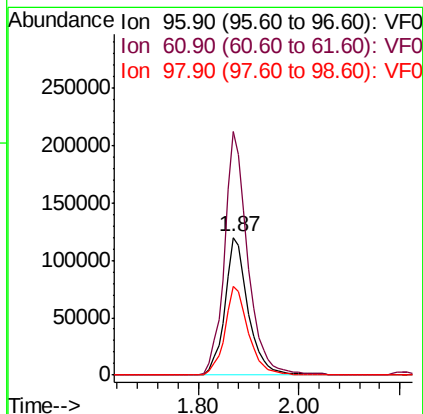
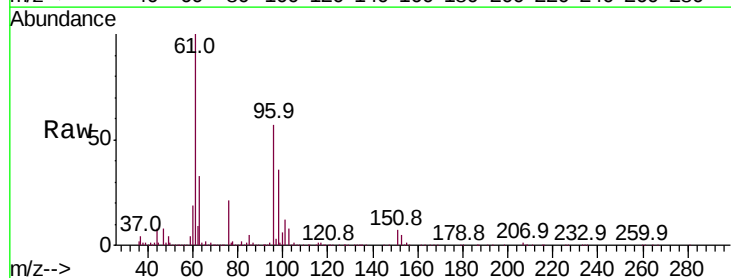
Tot Ion: 59 Resp: 115924
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.8 13.2

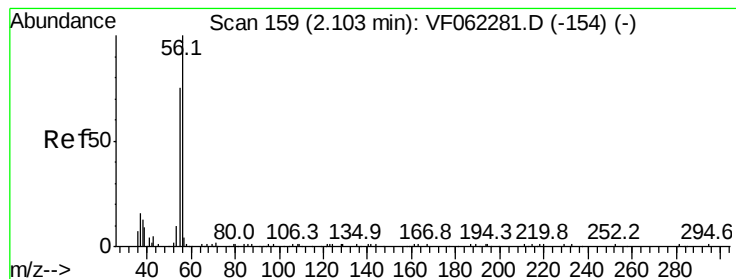


#12

1,1-Dichloroethene
 Concen: 89.464 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion: 96 Resp: 377262
 Ion Ratio Lower Upper
 96 100
 61 177.3 141.1 211.7
 98 64.2 53.4 80.0





#13

Acrolein

Concen: 713.228 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

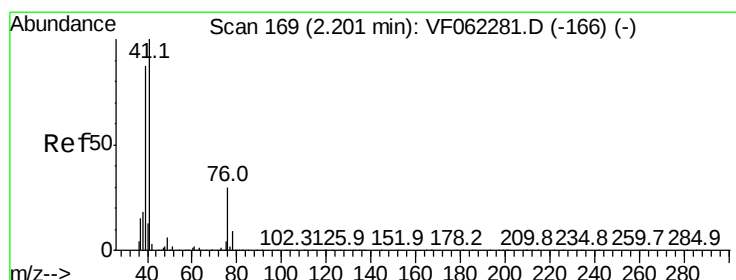
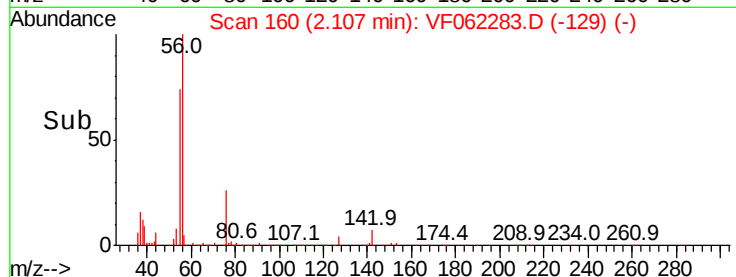
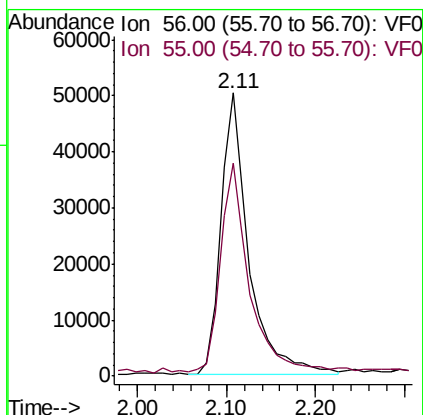
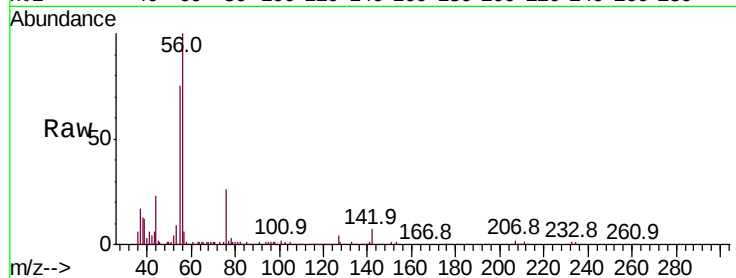
VSTDICC100

Tot Ion: 56 Resp: 109052

Ion Ratio Lower Upper

56 100

55 77.5 62.3 93.5



#14

Allyl chloride

Concen: 62.793 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

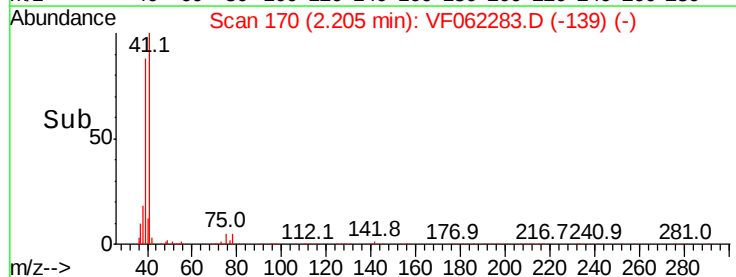
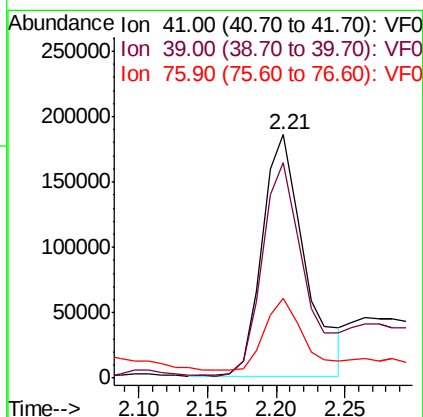
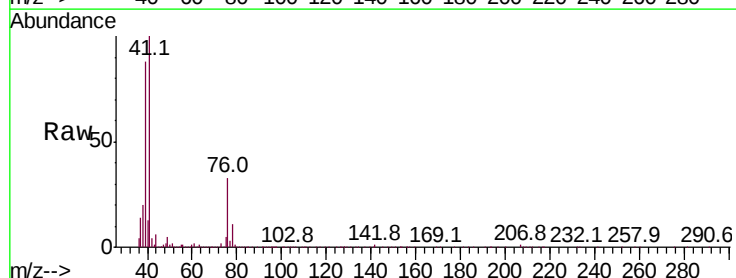
Tgt Ion: 41 Resp: 399213

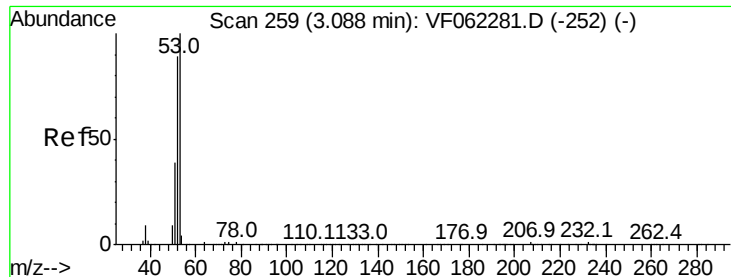
Ion Ratio Lower Upper

41 100

39 88.6 50.3 75.5#

76 26.9 14.8 22.2#





#15

Acrylonitrile

Concen: 449.569 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

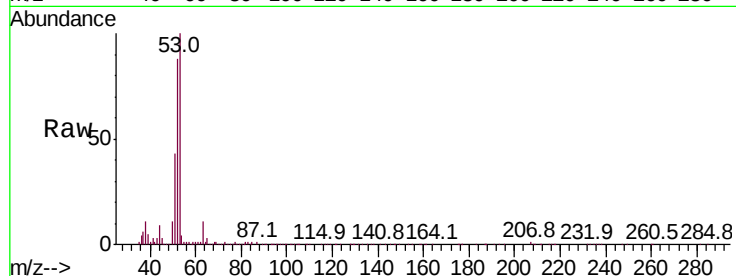
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 300177

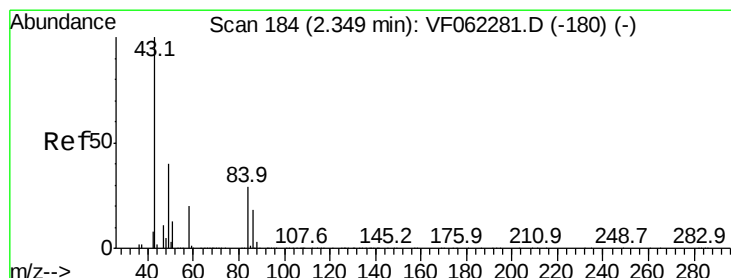
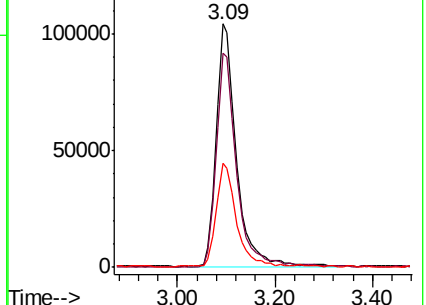
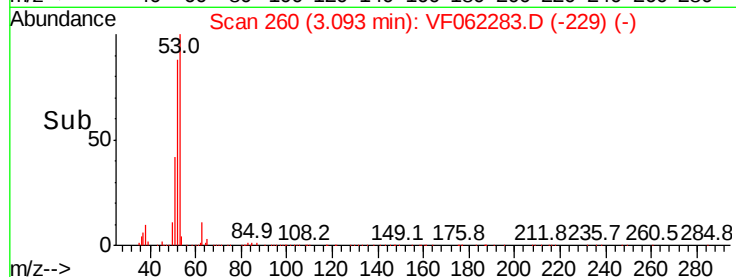
Ion	Ratio	Lower	Upper
53	100		
52	87.8	70.6	105.8
51	42.5	32.6	48.8



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: 454.021 ug/l

RT: 2.35 min Scan# 185

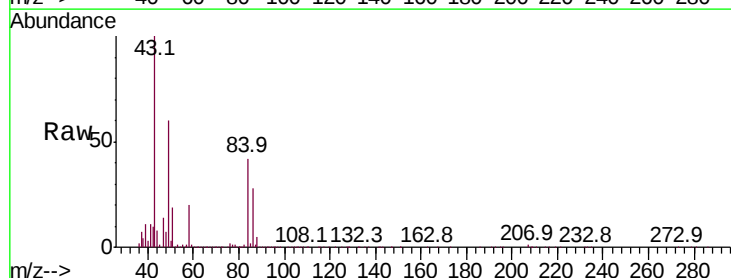
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

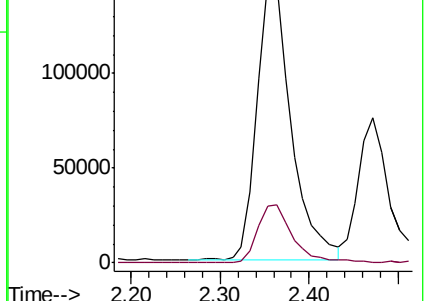
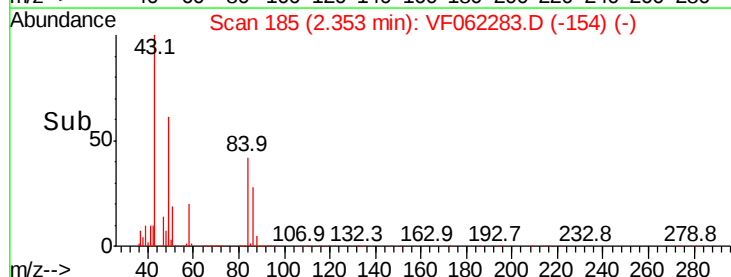
Tgt Ion: 43 Resp: 393320

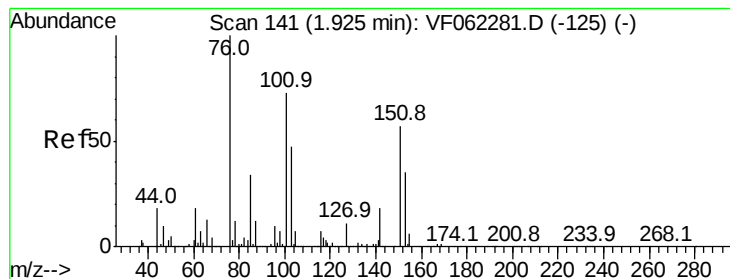
Ion	Ratio	Lower	Upper
43	100		
58	20.4	16.4	24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 89.913 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

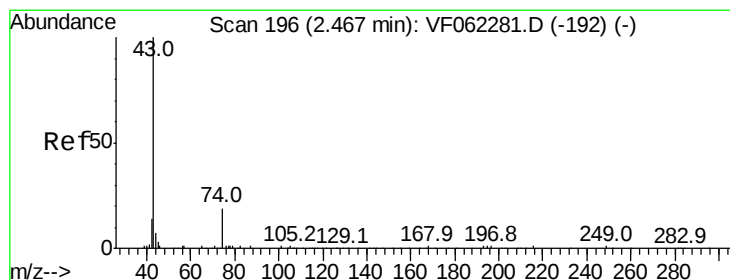
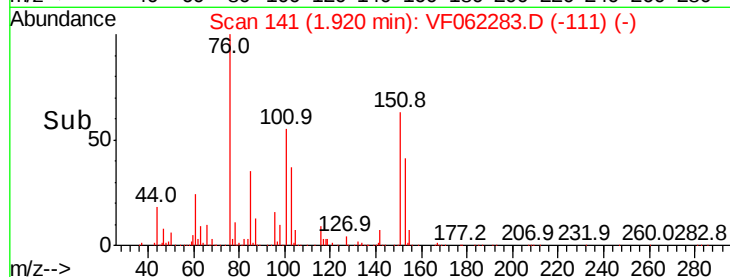
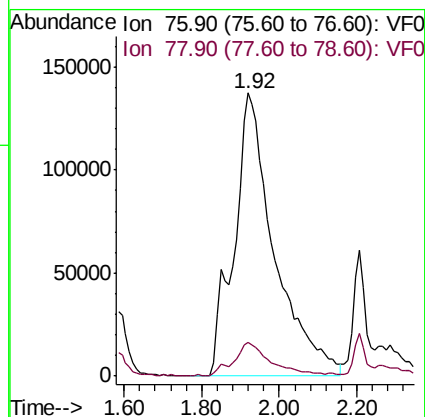
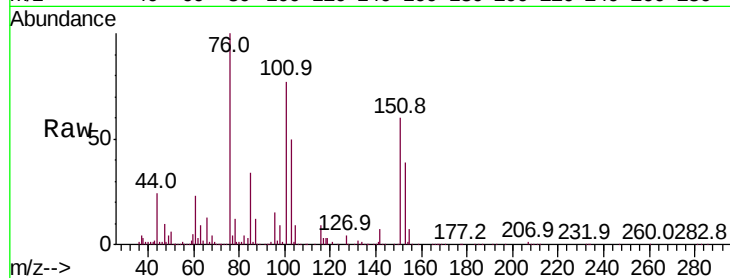
VSTDIC100

Tot Ion: 76 Resp: 983137

Ion Ratio Lower Upper

76 100

78 11.7 9.8 14.8



#18

Methyl Acetate

Concen: 73.363 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062283.D

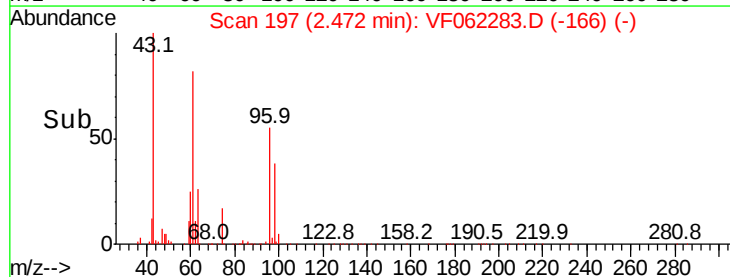
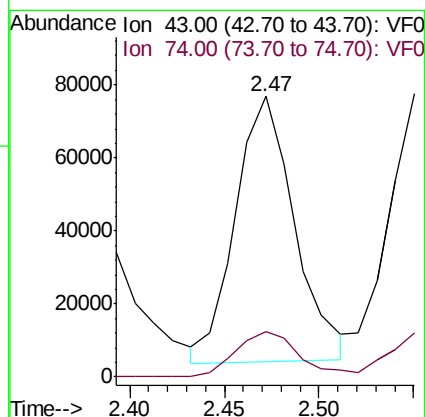
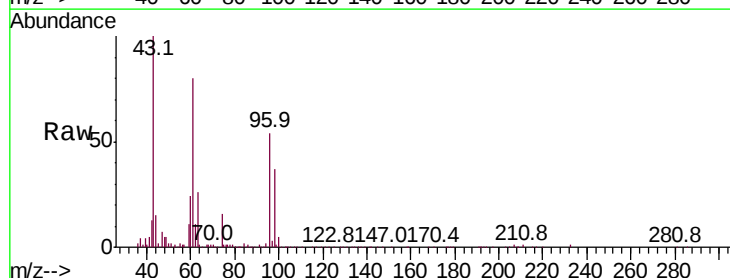
Acq: 24 Apr 2019 16:08

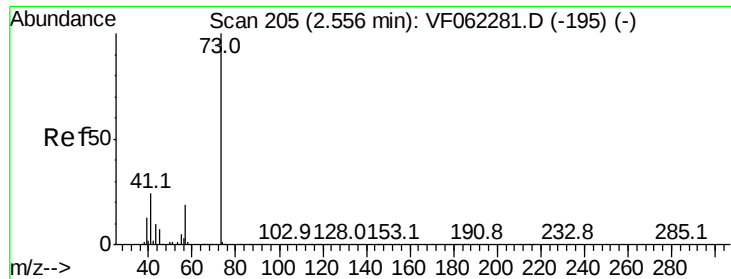
Tgt Ion: 43 Resp: 157580

Ion Ratio Lower Upper

43 100

74 18.6 14.4 21.6



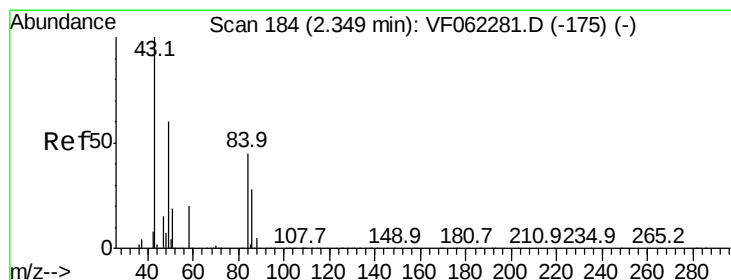
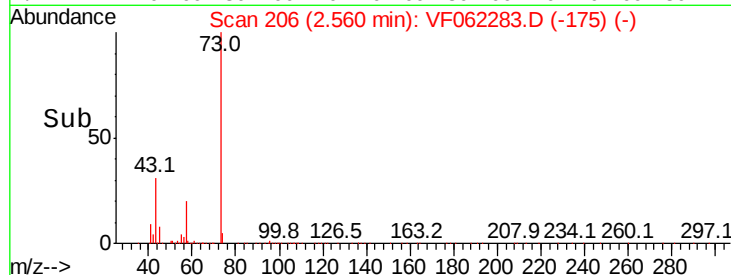
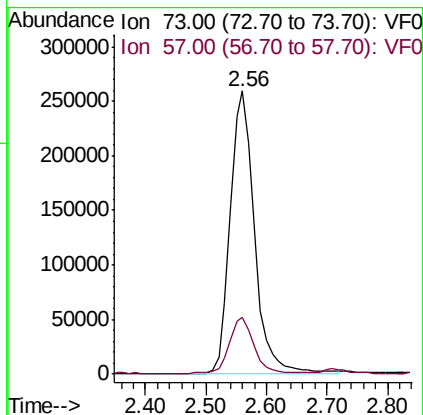
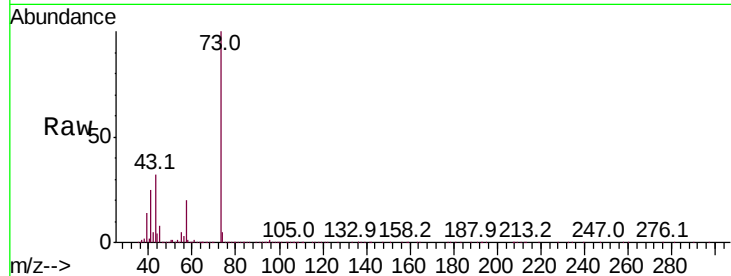


#19

Methyl tert-butyl Ether
 Concen: 93.745 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

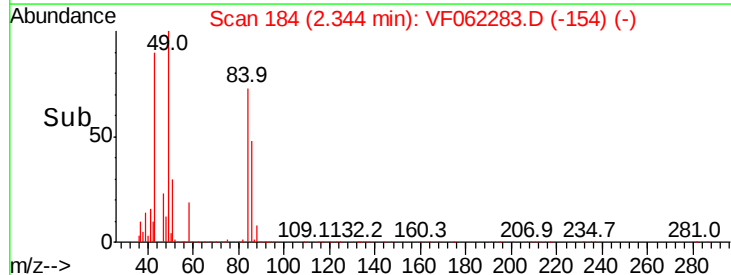
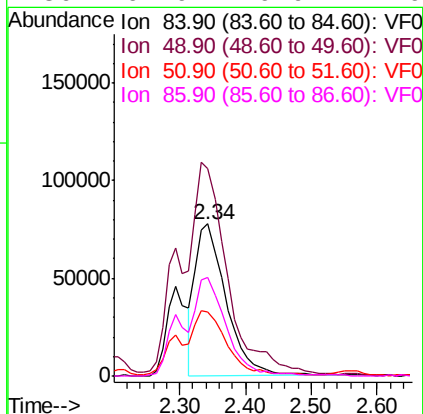
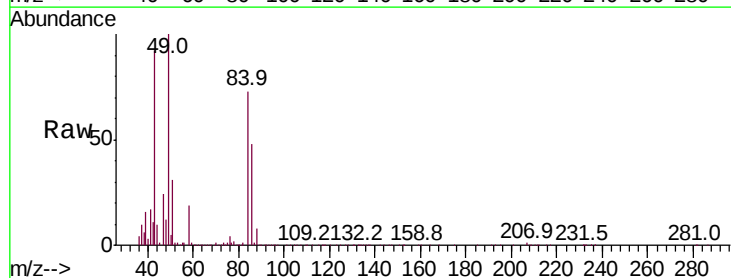
Tot Ion: 73 Resp: 728364
 Ion Ratio Lower Upper
 73 100
 57 19.8 15.5 23.3

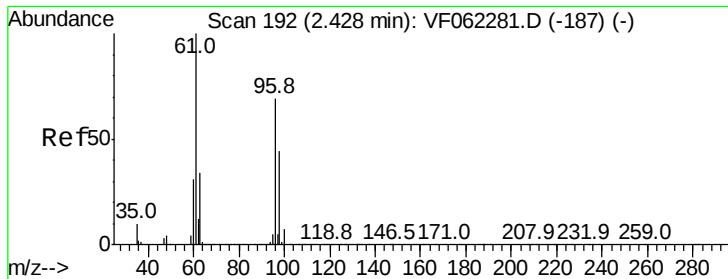


#20

Methylene Chloride
 Concen: 44.969 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion: 84 Resp: 246463
 Ion Ratio Lower Upper
 84 100
 49 136.4 112.1 168.1
 51 40.0 35.9 53.9
 86 64.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 94.154 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

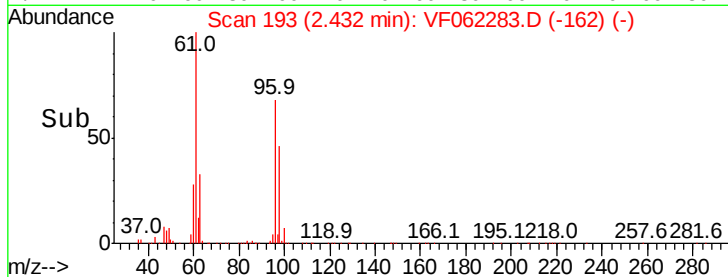
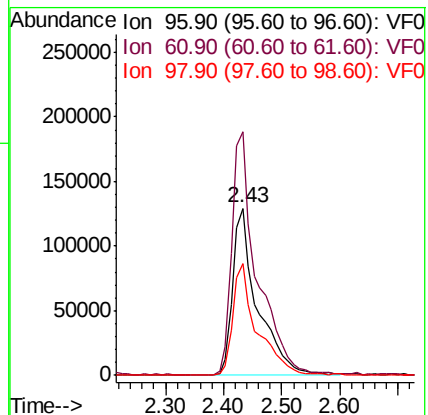
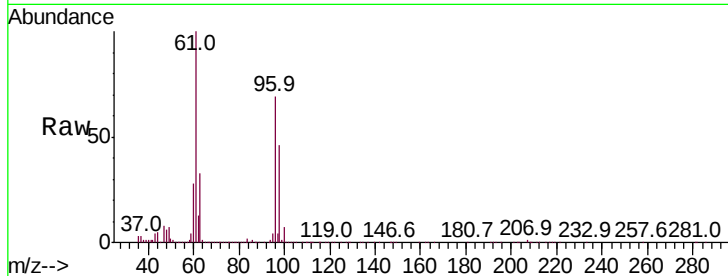
Tot Ion: 96 Resp: 381347

Ion Ratio Lower Upper

96 100

61 145.7 116.2 174.2

98 66.9 51.4 77.0



#22

Diisopropyl ether

Concen: 91.719 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion: 45 Resp: 1109868

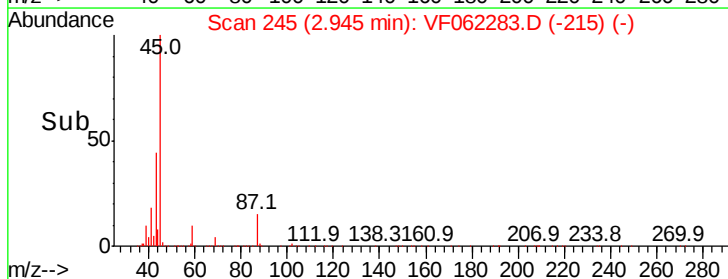
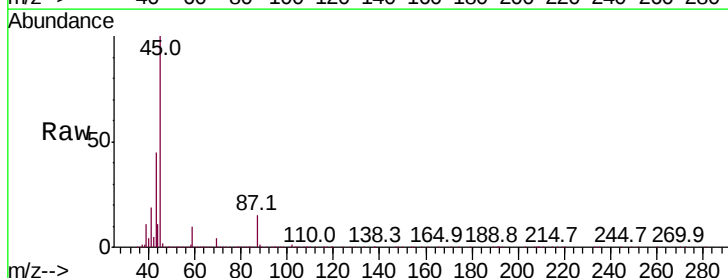
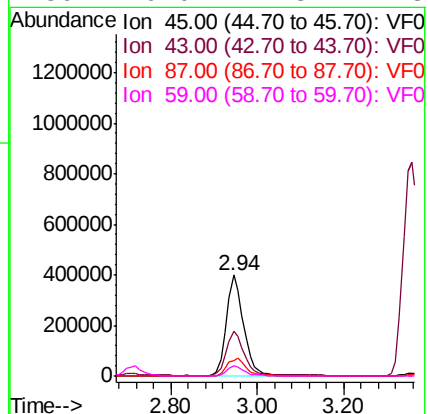
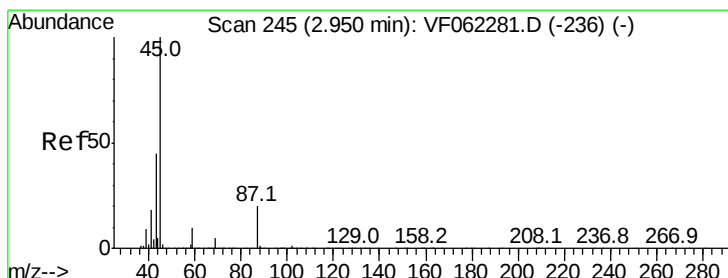
Ion Ratio Lower Upper

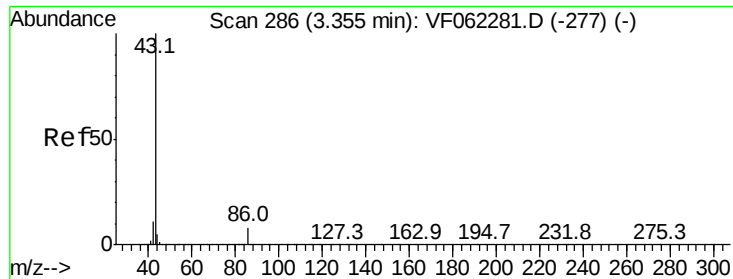
45 100

43 44.7 36.2 54.2

87 15.4 15.8 23.6#

59 10.0 7.8 11.8





#23

Vinyl Acetate

Concen: 462.155 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

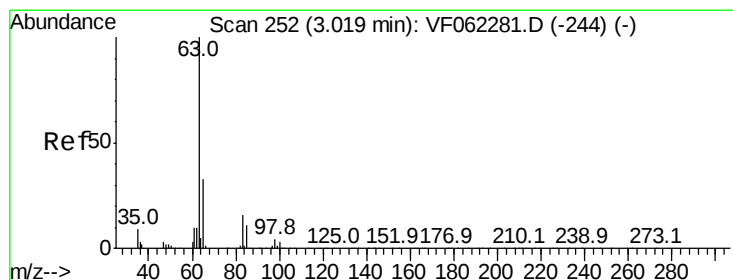
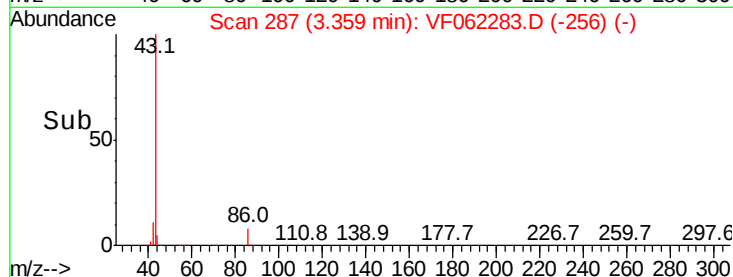
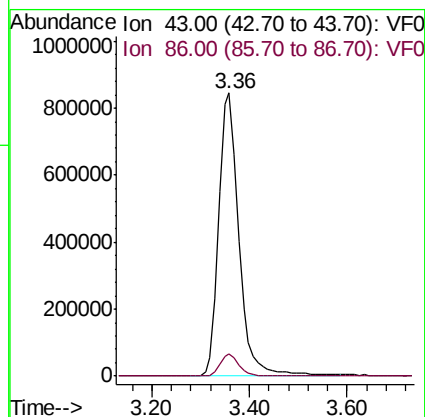
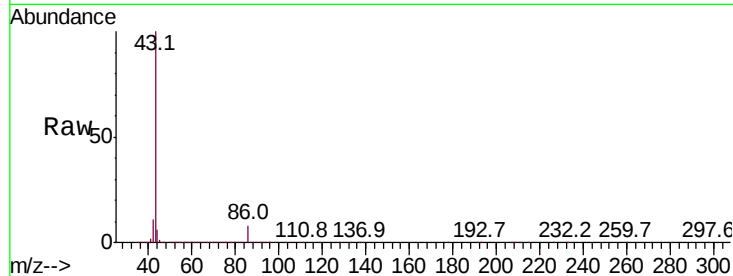
VSTDIC100

Tot Ion: 43 Resp: 2422874

Ion Ratio Lower Upper

43 100

86 8.0 6.0 9.0



#24

1,1-Dichloroethane

Concen: 95.301 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

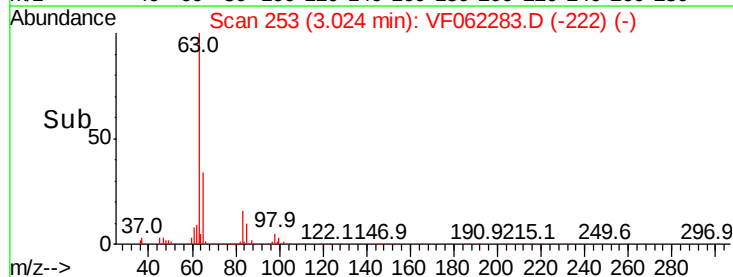
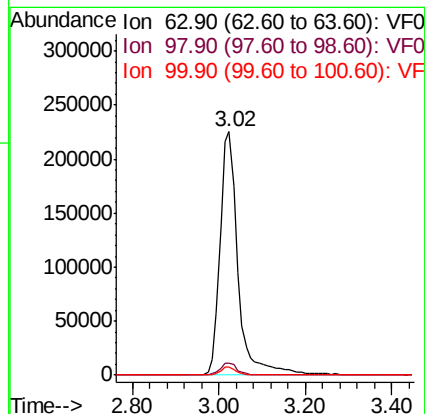
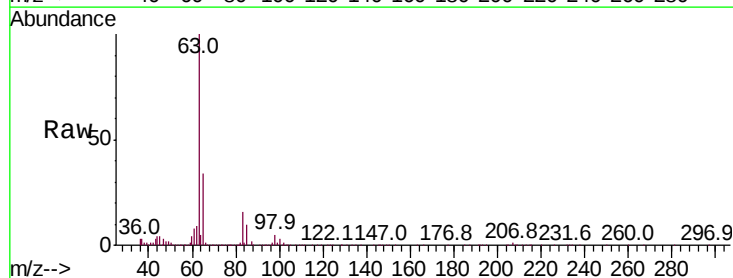
Tgt Ion: 63 Resp: 646930

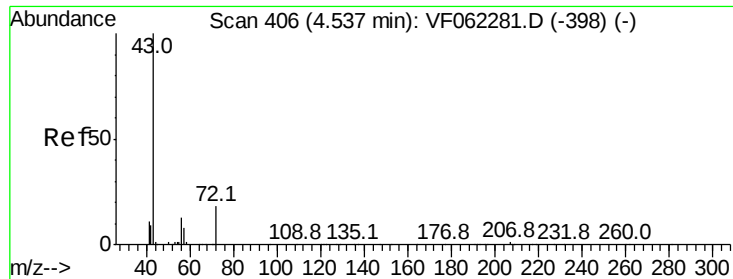
Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.2

100 3.3 1.5 4.5





#25

2-Butanone

Concen: 467.479 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

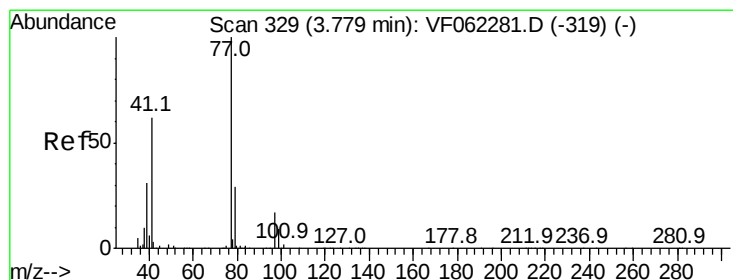
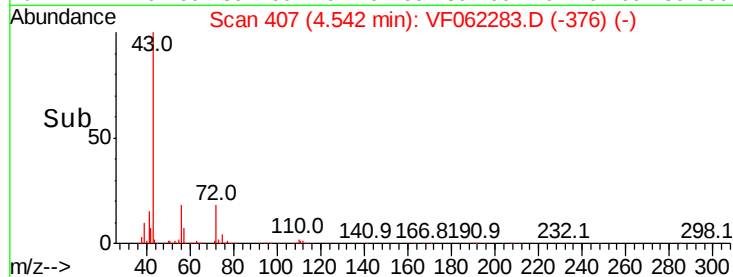
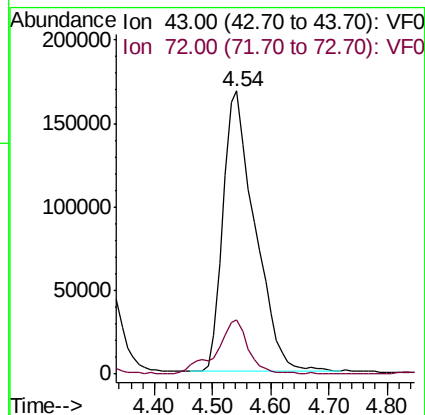
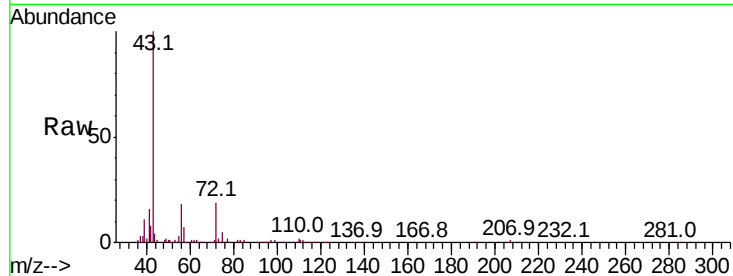
VSTDIC100

Tot Ion: 43 Resp: 641853

Ion Ratio Lower Upper

43 100

72 19.3 15.8 23.6



#26

2,2-Dichloropropane

Concen: 88.348 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062283.D

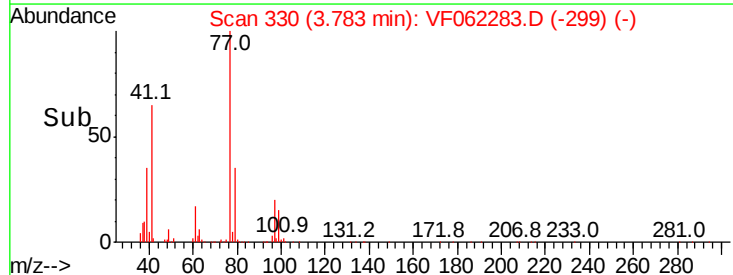
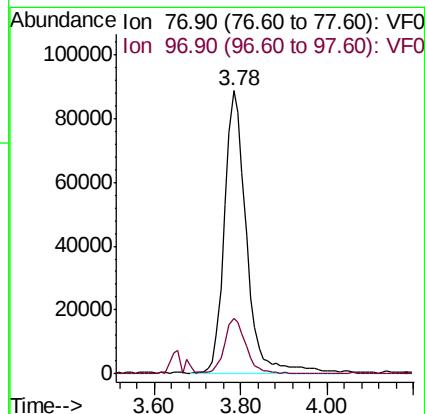
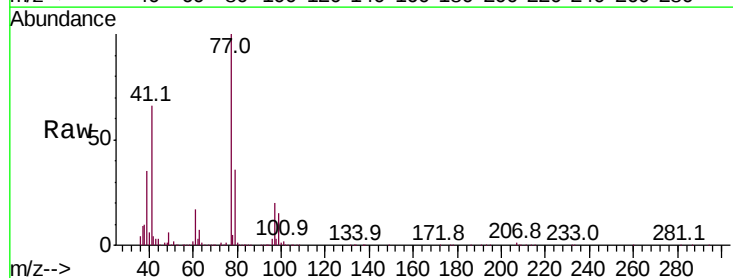
Acq: 24 Apr 2019 16:08

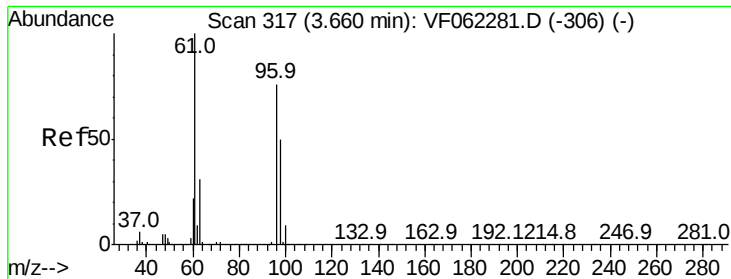
Tgt Ion: 77 Resp: 313222

Ion Ratio Lower Upper

77 100

97 19.5 10.3 30.8



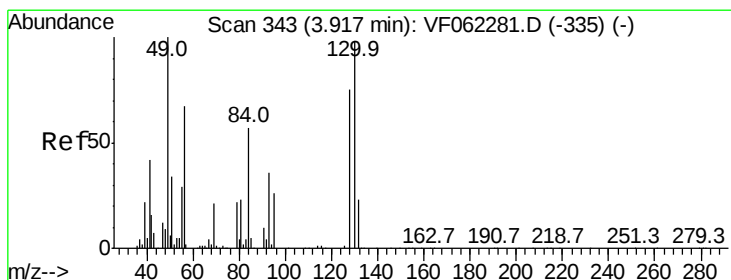
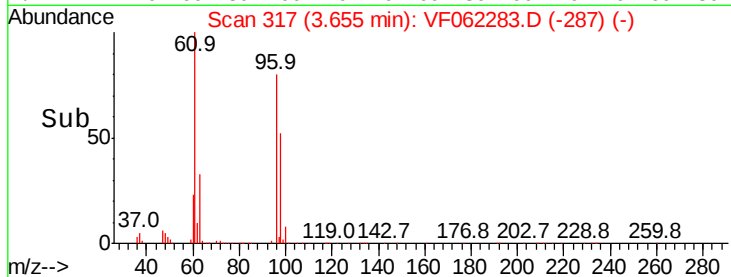
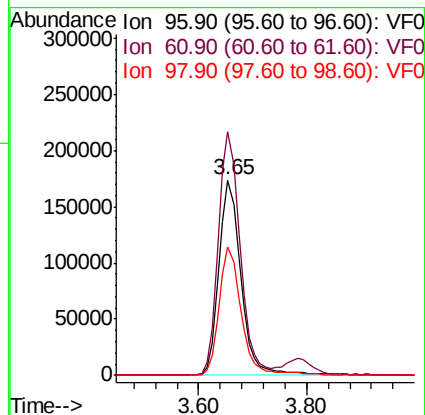
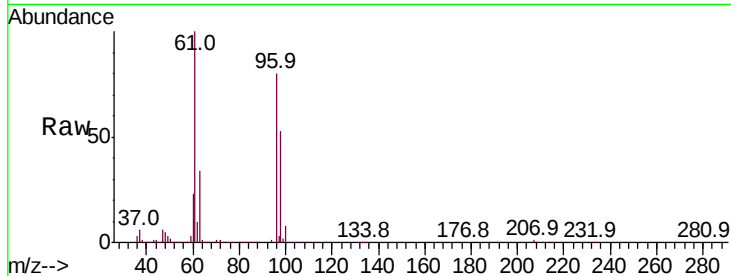


#27

cis-1,2-Dichloroethene
Concen: 94.687 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

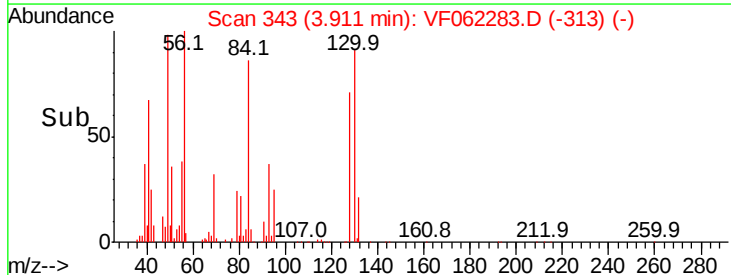
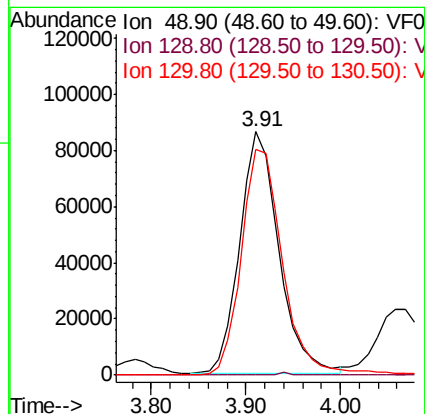
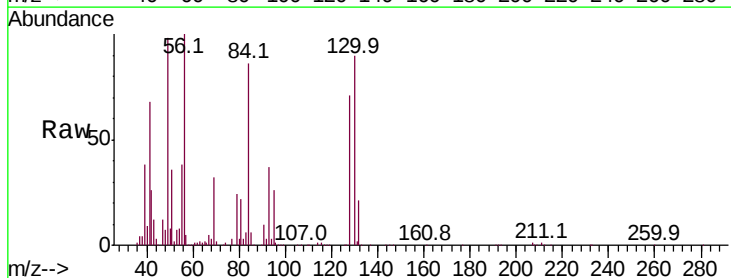
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.4	0.0	257.6
98	66.2	0.0	137.4

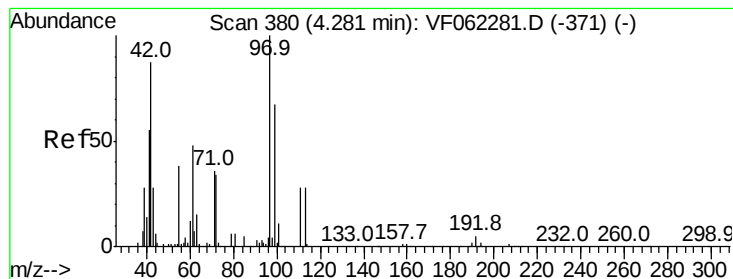


#28

Bromochloromethane
Concen: 82.846 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	100.6	77.0	115.4





#29

Tetrahydrofuran

Concen: 469.538 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

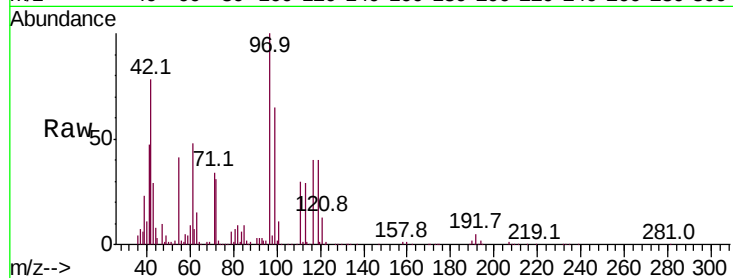
Tot Ion: 42 Resp: 280990

Ion Ratio Lower Upper

42 100

72 38.8 29.3 43.9

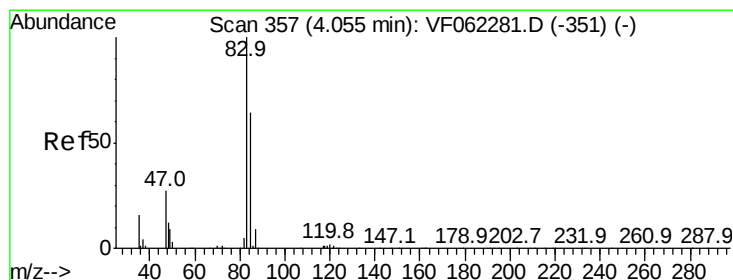
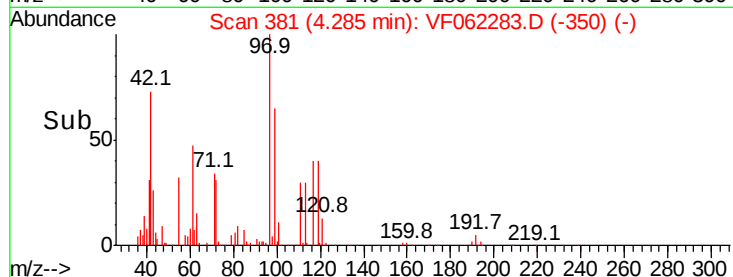
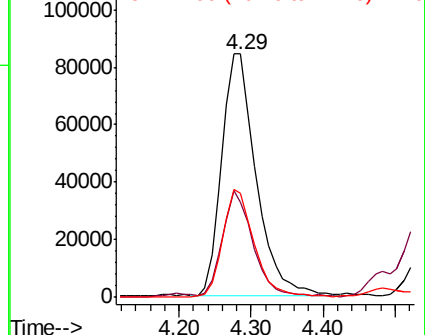
71 40.7 31.2 46.8



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: 96.552 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.00 min

Lab File: VF062283.D

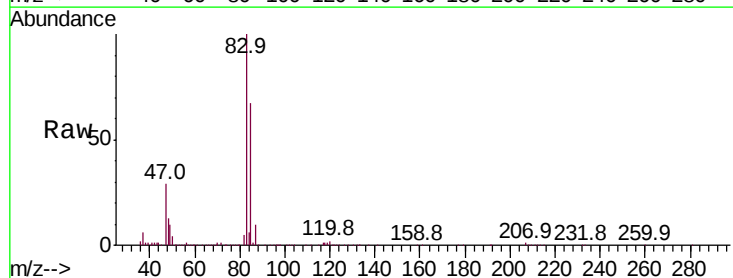
Acq: 24 Apr 2019 16:08

Tgt Ion: 83 Resp: 817512

Ion Ratio Lower Upper

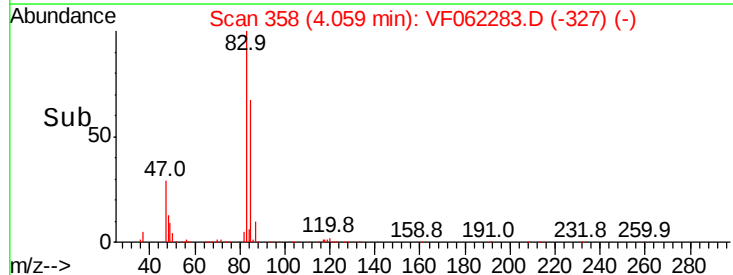
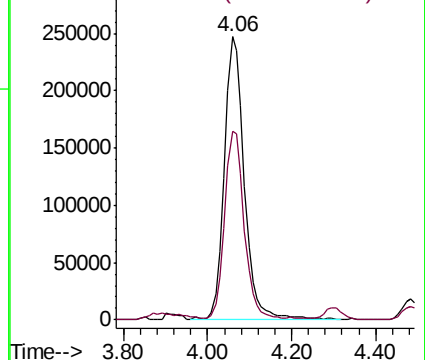
83 100

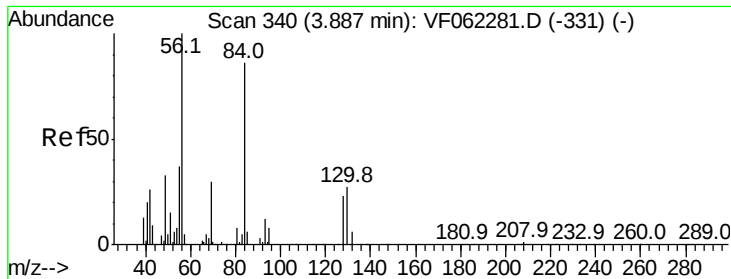
85 65.6 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

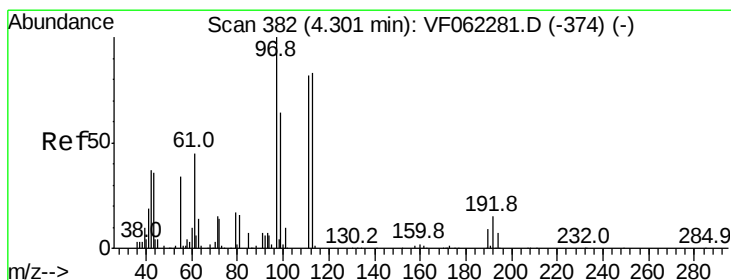
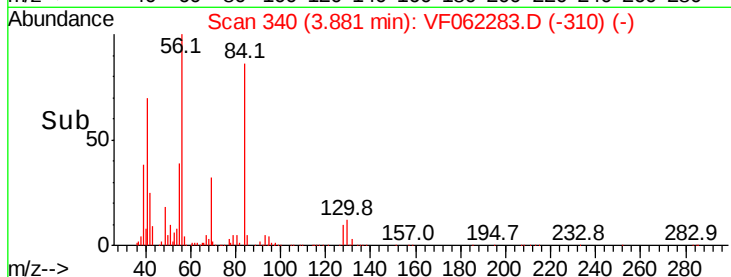
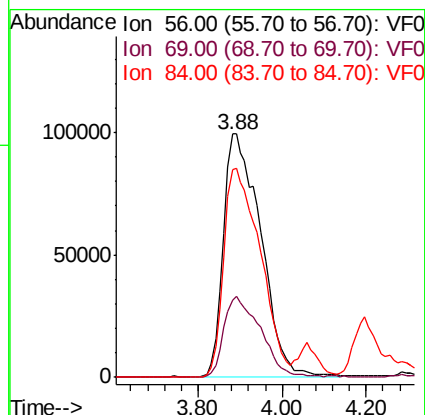
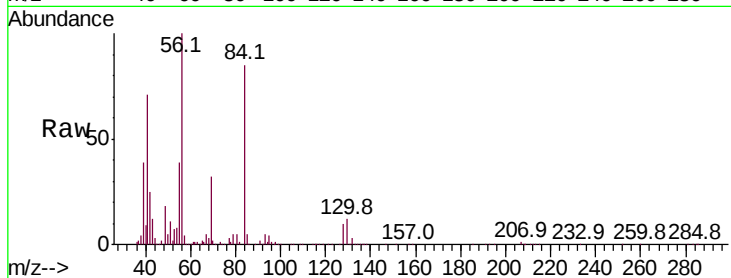




#31
Cyclohexane
Concen: 92.851 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

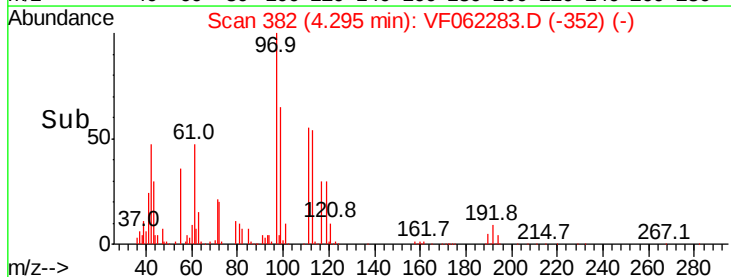
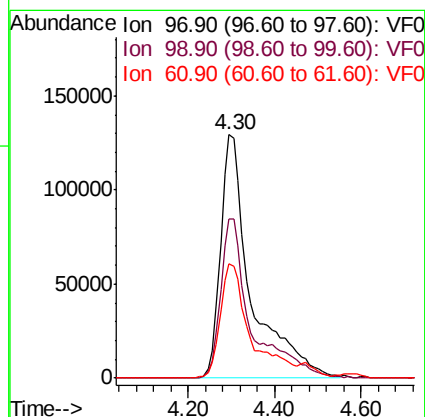
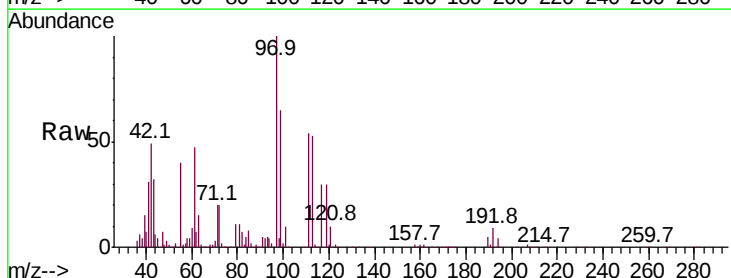
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

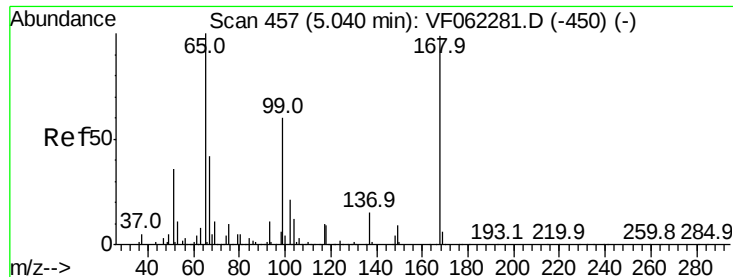
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.3	36.5
84	85.3	68.5	102.7



#32
1,1,1-Trichloroethane
Concen: 101.207 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.6	62.4#
61	46.5	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 94.323 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

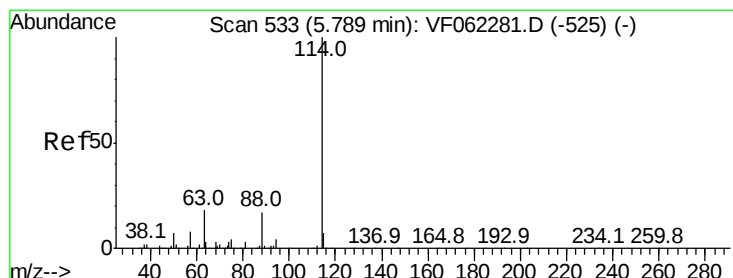
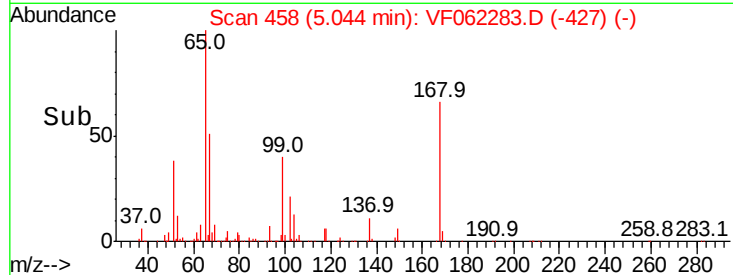
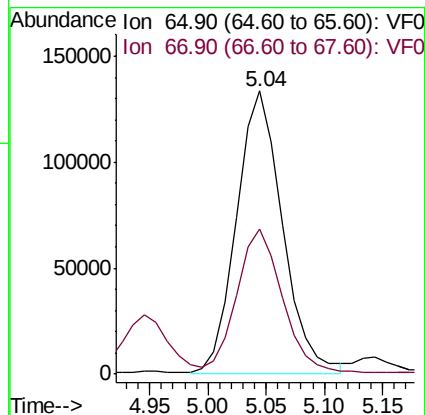
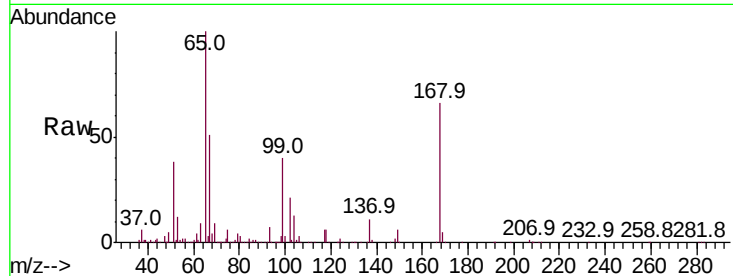
VSTDIC100

Tot Ion: 65 Resp: 365736

Ion Ratio Lower Upper

65 100

67 51.5 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

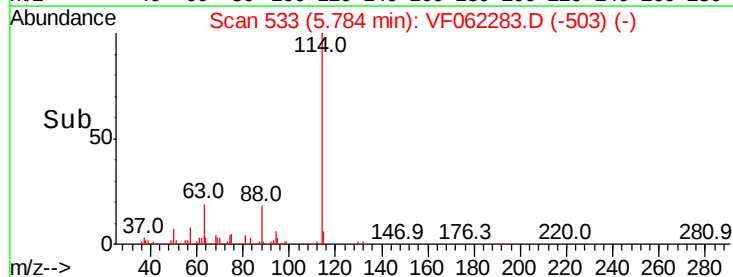
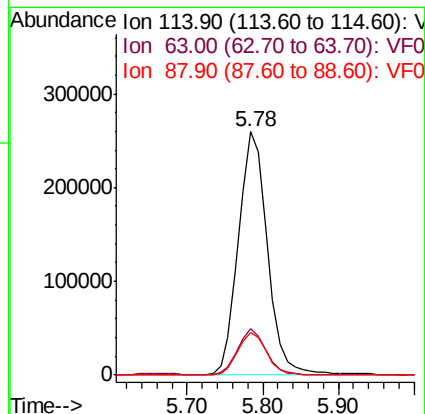
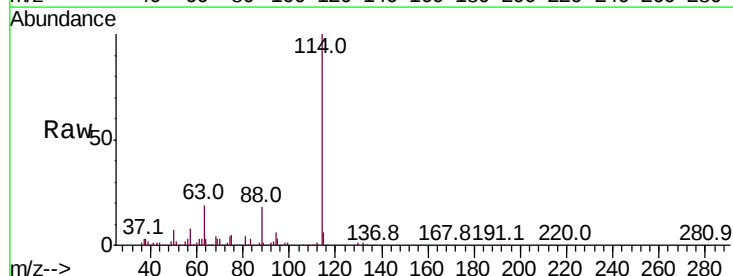
Tgt Ion: 114 Resp: 689101

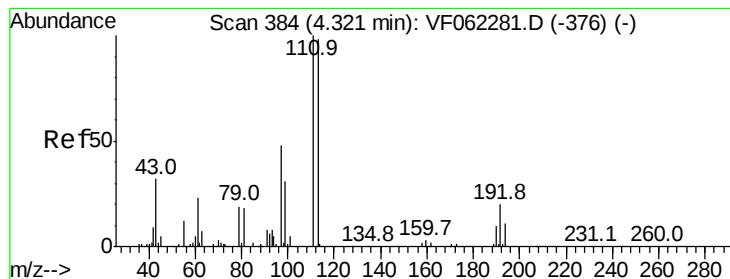
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

88 17.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 87.802 ug/l

RT: 4.31 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

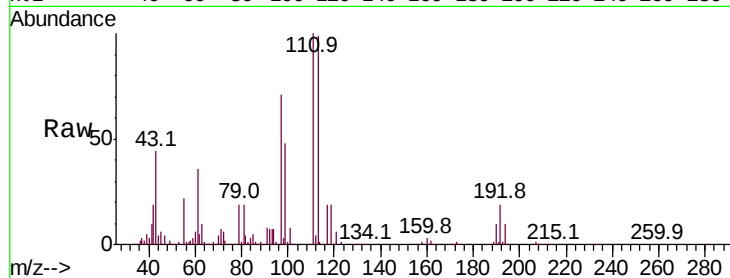
Tot Ion:113 Resp: 460473

Ion Ratio Lower Upper

113 100

111 100.0 81.4 122.2

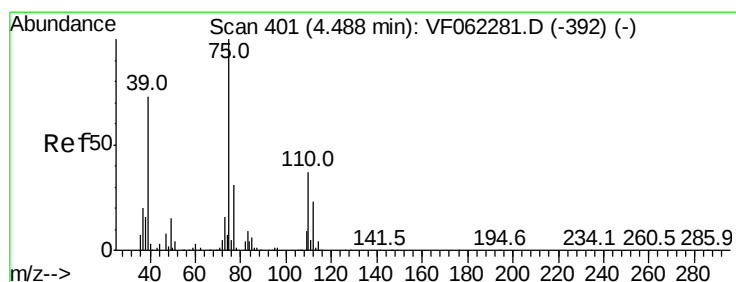
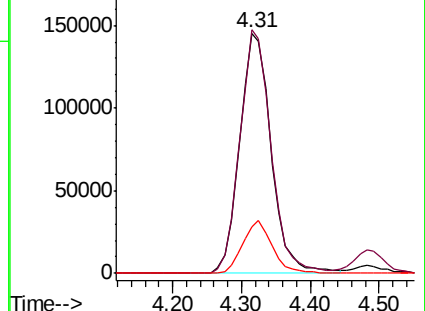
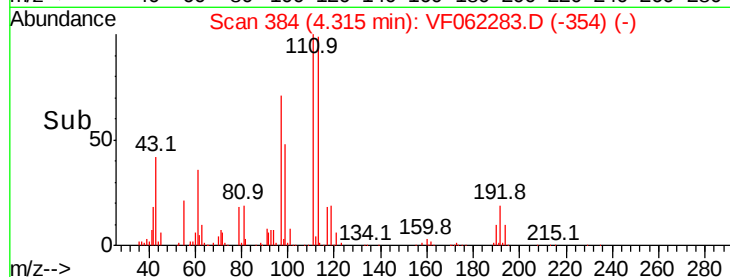
192 20.8 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 90.279 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

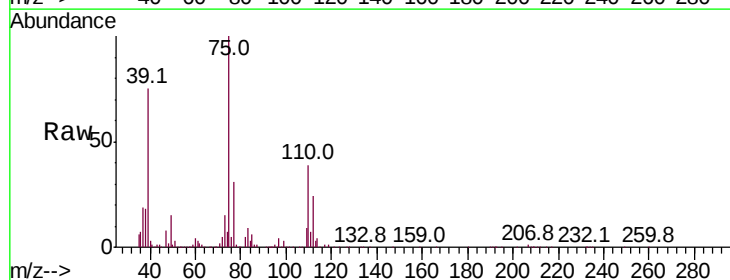
Tgt Ion: 75 Resp: 590869

Ion Ratio Lower Upper

75 100

110 37.2 17.9 53.8

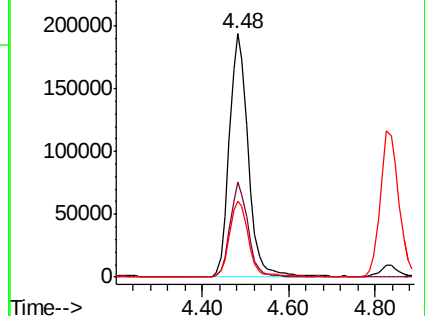
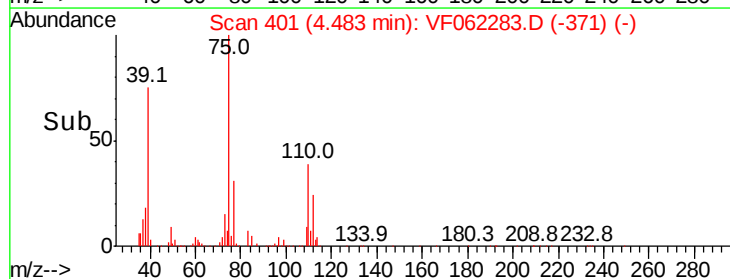
77 31.3 24.6 36.8

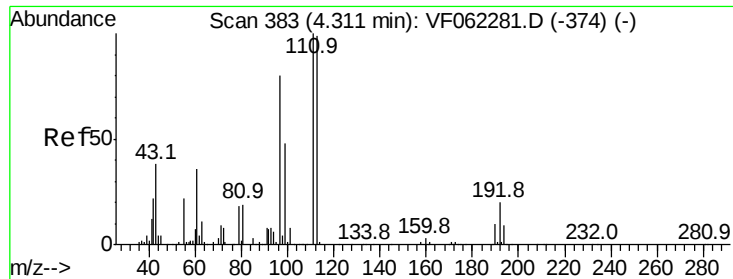


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 91.067 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

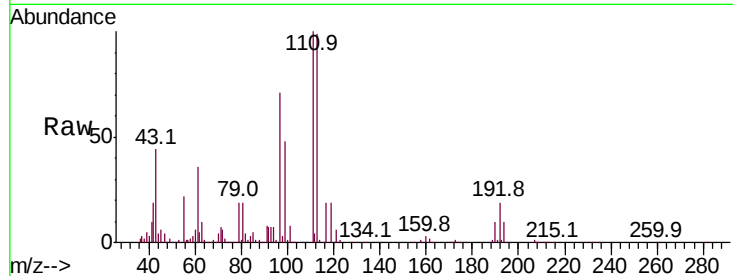
Tot Ion: 43 Resp: 244723

Ion Ratio Lower Upper

43 100

61 121.1 85.8 128.6

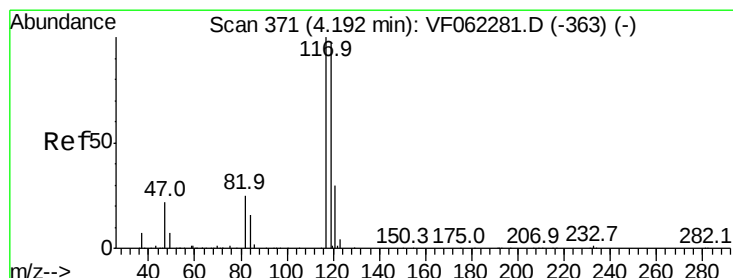
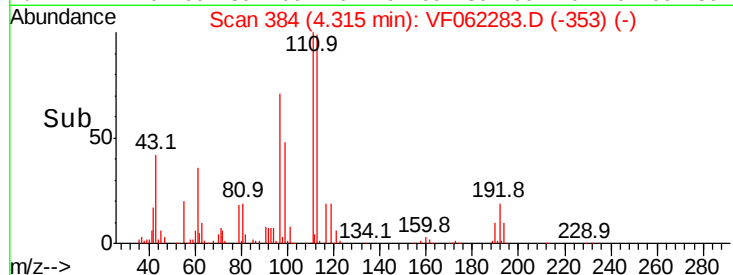
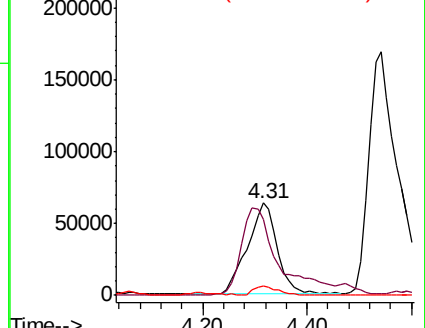
70 8.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 119.722 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

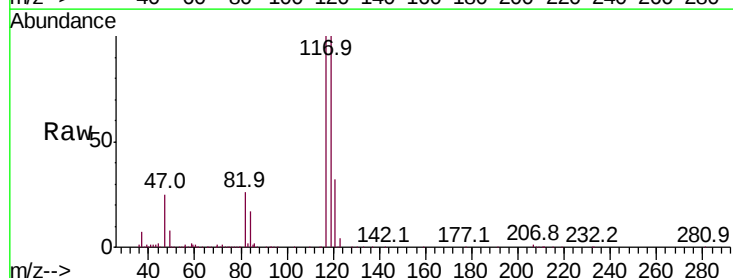
Tgt Ion:117 Resp: 765631

Ion Ratio Lower Upper

117 100

119 100.3 77.3 115.9

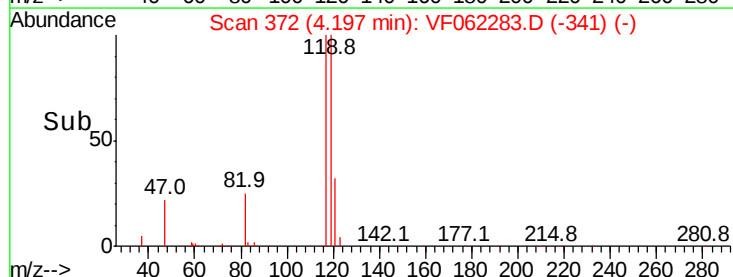
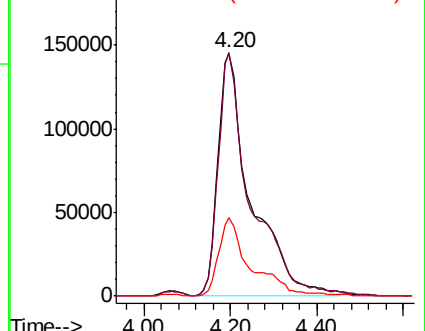
121 32.2 24.3 36.5

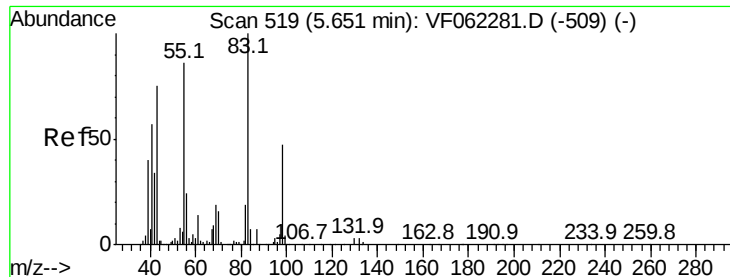


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

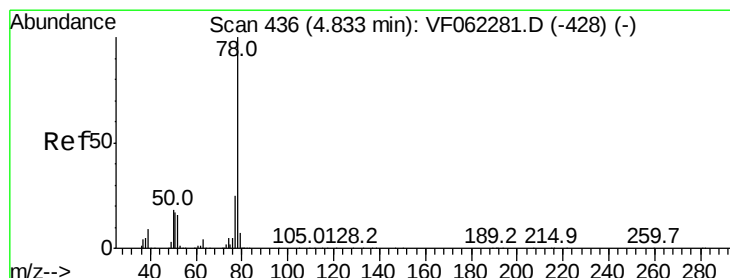
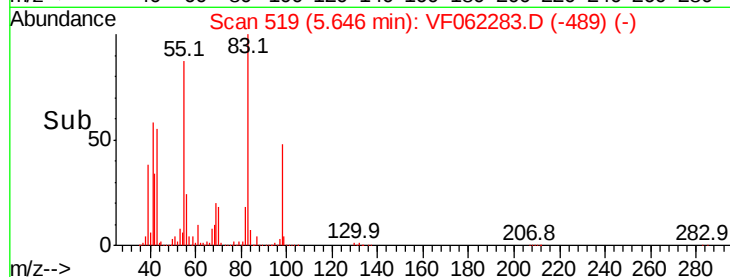
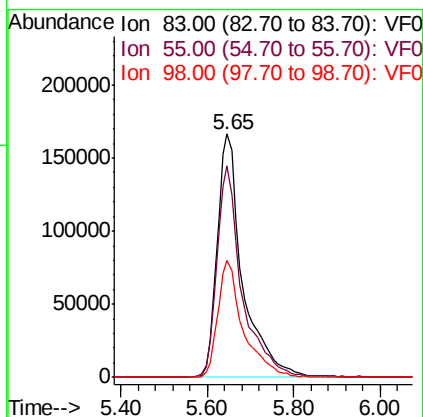
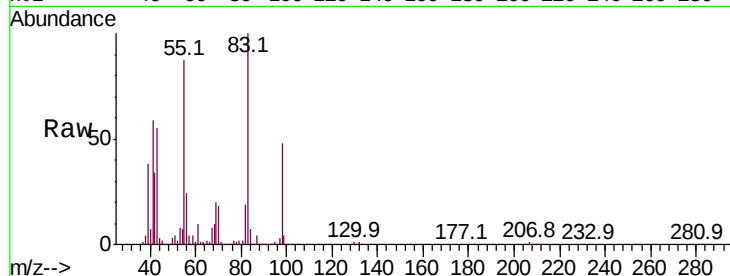




#39
Methylcyclohexane
Concen: 87.801 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

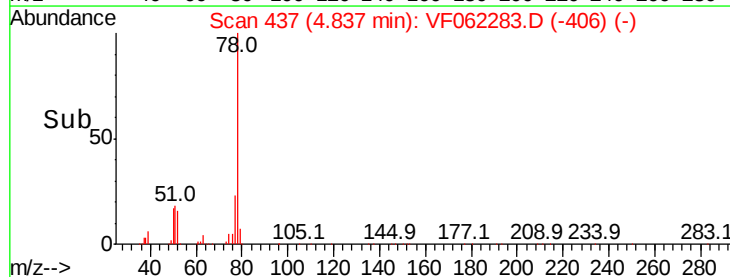
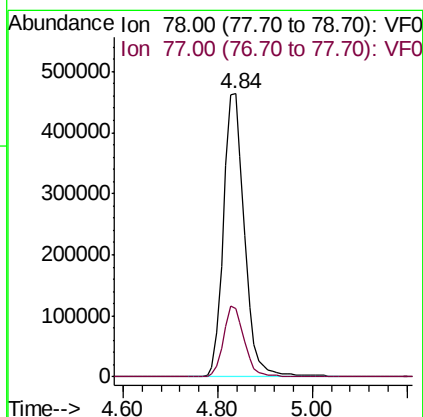
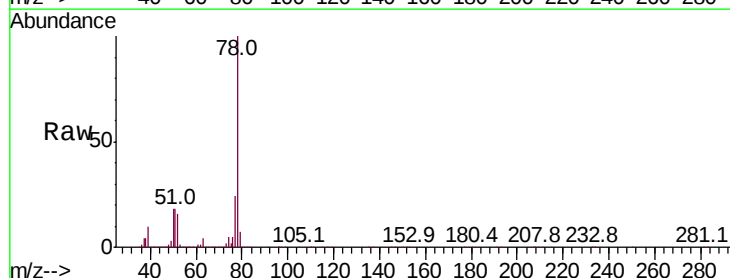
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

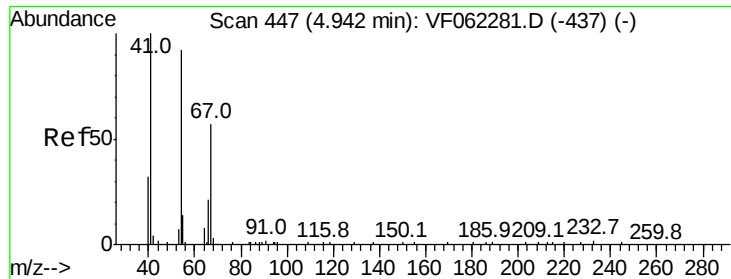
Tot Ion: 83 Resp: 677194
Ion Ratio Lower Upper
83 100
55 87.0 68.7 103.1
98 48.3 37.4 56.2



#40
Benzene
Concen: 90.357 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion: 78 Resp: 1426399
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5

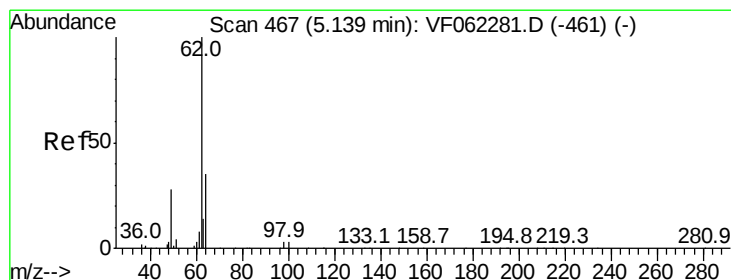
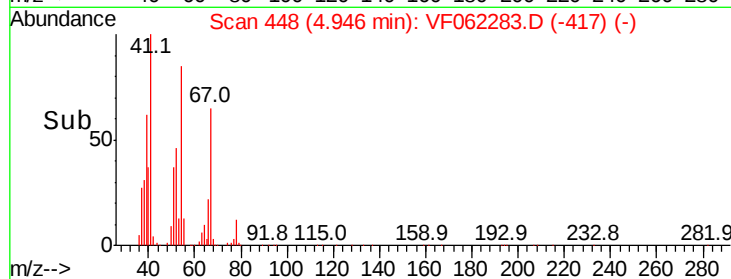
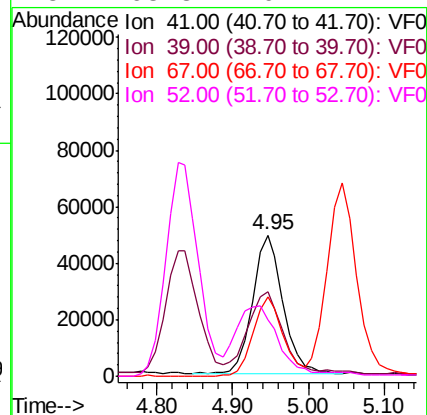
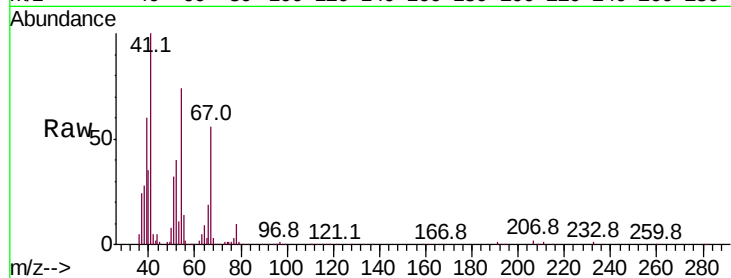




#41
Methacrylonitrile
Concen: 92.564 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

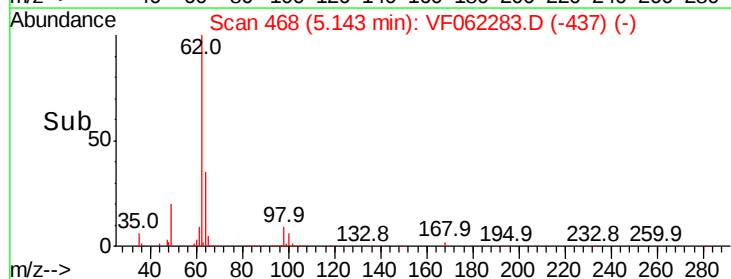
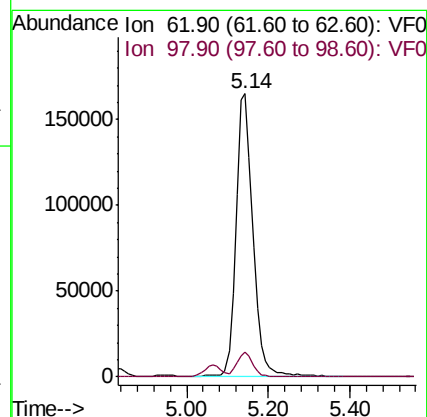
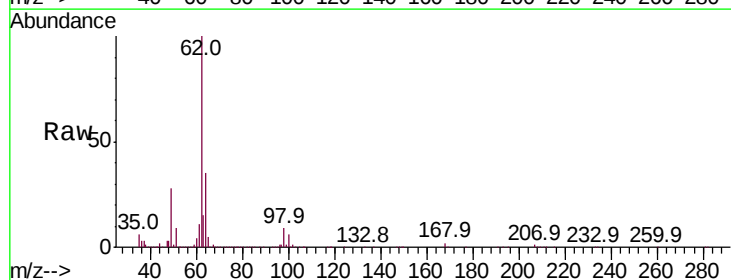
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

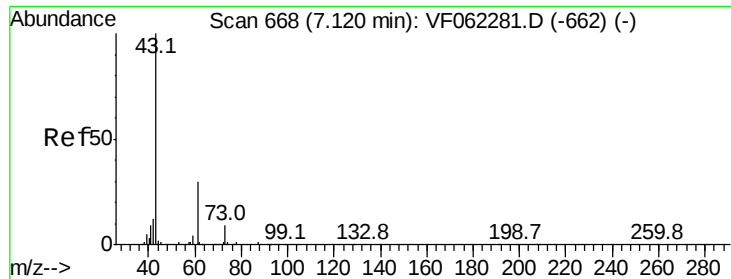
Tot Ion:	41	Resp:	138941
Ion	Ratio	Lower	Upper
41	100		
39	70.5	47.3	70.9
67	56.1	41.3	61.9
52	63.3	49.4	74.2



#42
1,2-Dichloroethane
Concen: 97.667 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion:	62	Resp:	473474
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8



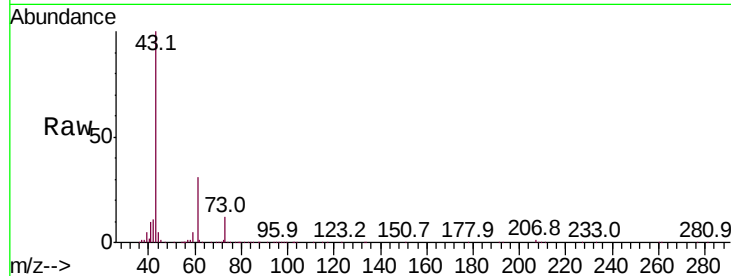


#43

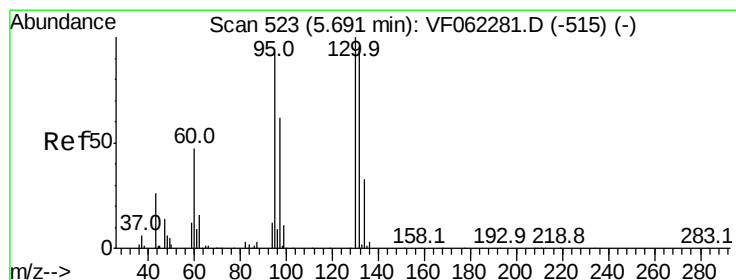
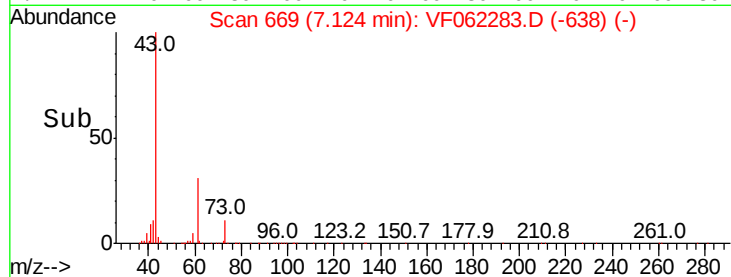
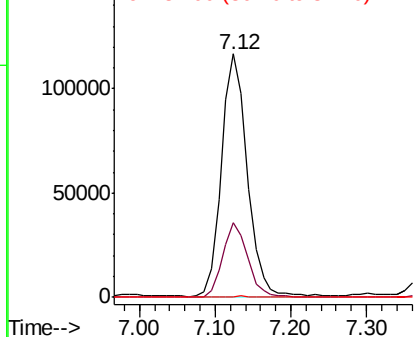
Isopropyl Acetate
 Concen: 97.210 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 275528
 Ion Ratio Lower Upper
 43 100
 61 29.8 23.8 35.6
 87 0.3 0.5 0.7#



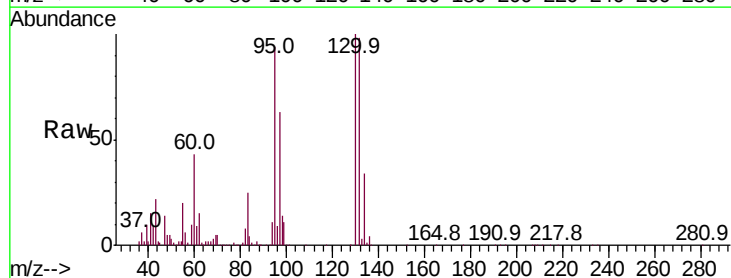
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



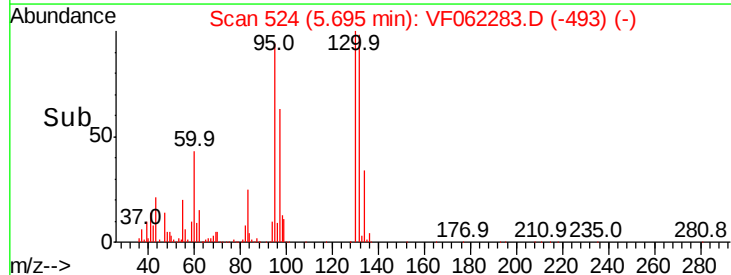
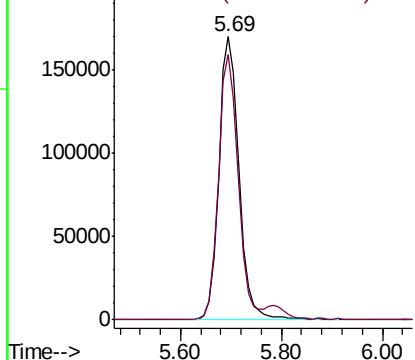
#44

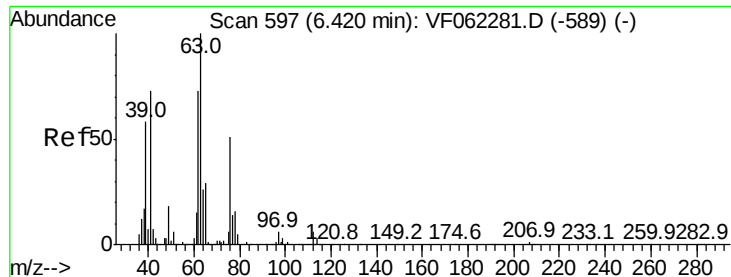
Trichloroethene
 Concen: 88.838 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion:130 Resp: 474318
 Ion Ratio Lower Upper
 130 100
 95 93.8 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 91.624 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

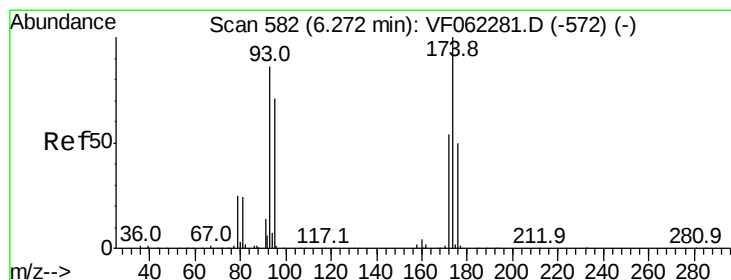
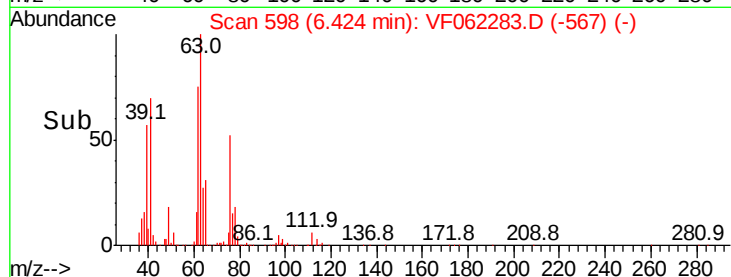
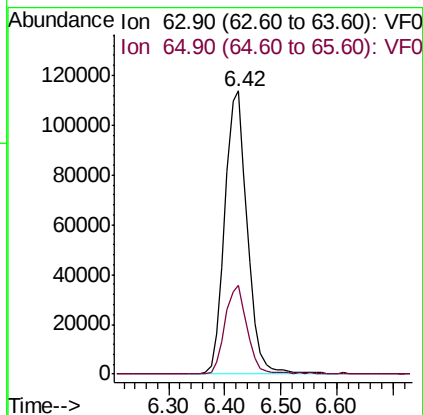
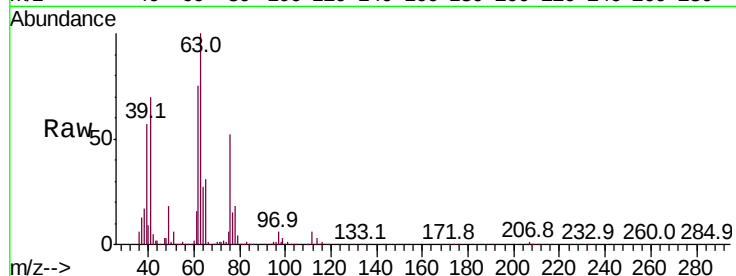
VSTDIC100

Tot Ion: 63 Resp: 318610

Ion Ratio Lower Upper

63 100

65 31.3 23.5 35.3



#46

Dibromomethane

Concen: 96.109 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

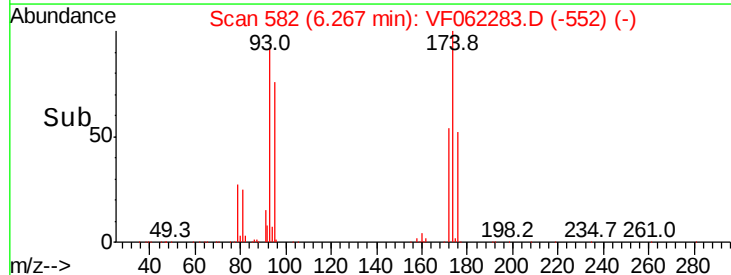
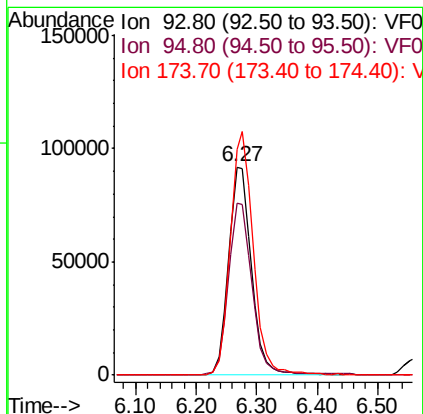
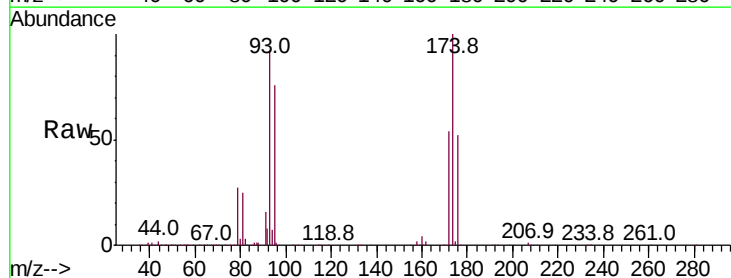
Tgt Ion: 93 Resp: 242094

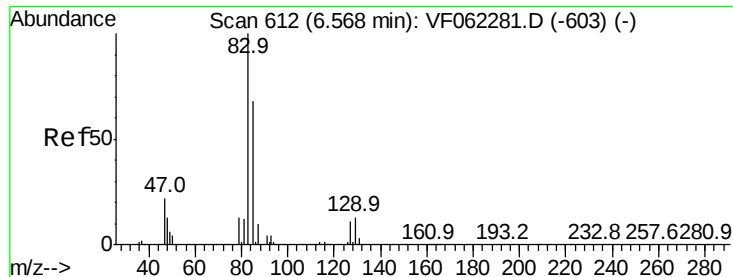
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 117.0 94.9 142.3





#47

Bromodichloromethane

Concen: 93.087 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

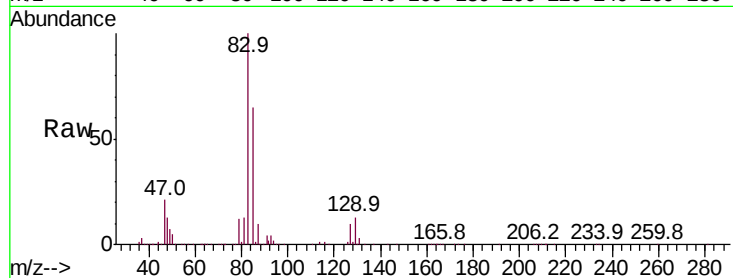
Tot Ion: 83 Resp: 552022

Ion Ratio Lower Upper

83 100

85 65.2 54.6 81.8

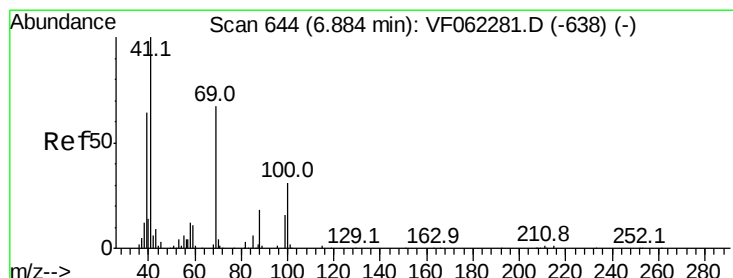
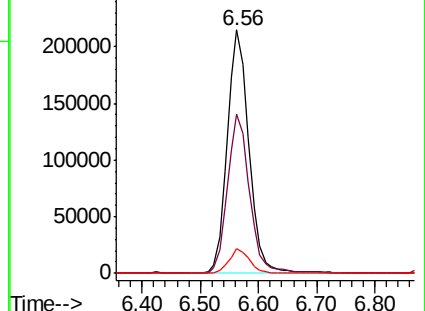
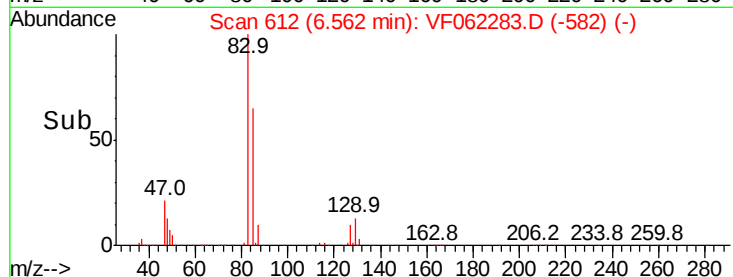
127 10.4 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 94.180 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

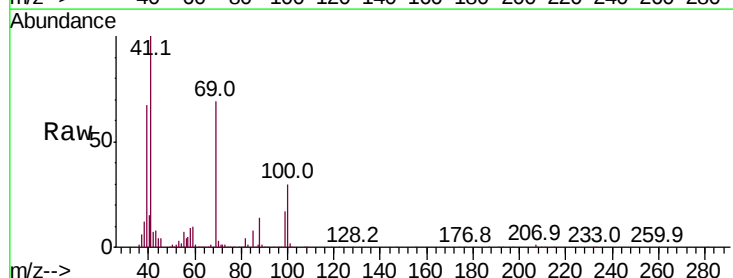
Tgt Ion: 41 Resp: 183166

Ion Ratio Lower Upper

41 100

69 67.2 53.4 80.2

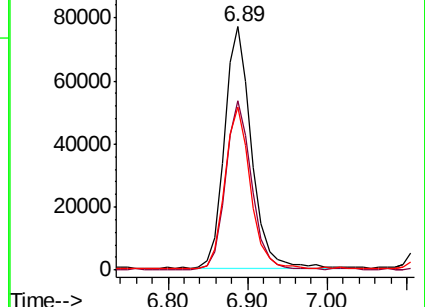
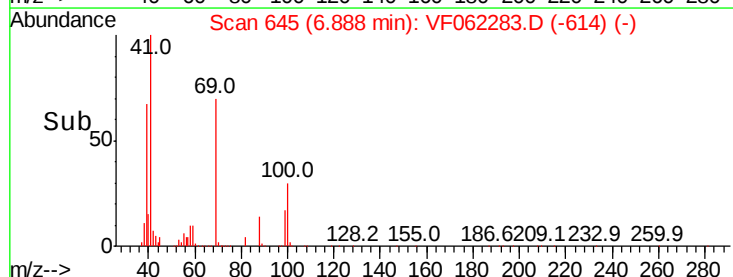
39 63.6 50.9 76.3

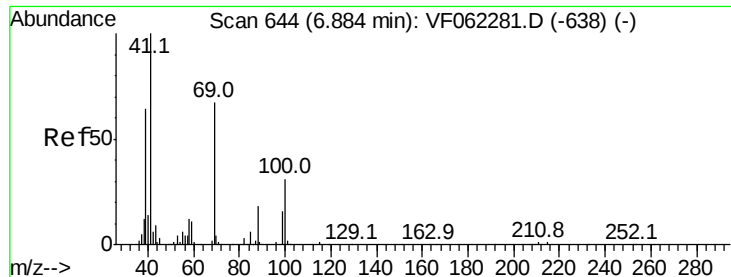


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1812.725 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

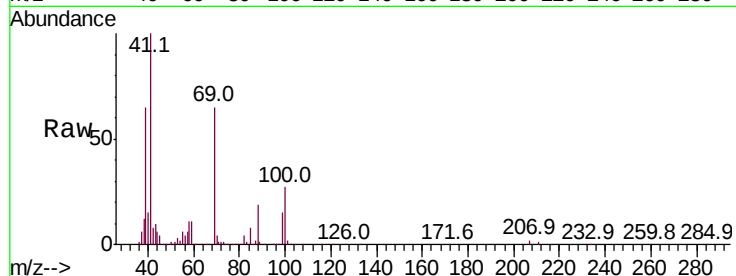
Tot Ion: 88 Resp: 40349

Ion Ratio Lower Upper

88 100

43 41.2 34.2 51.4

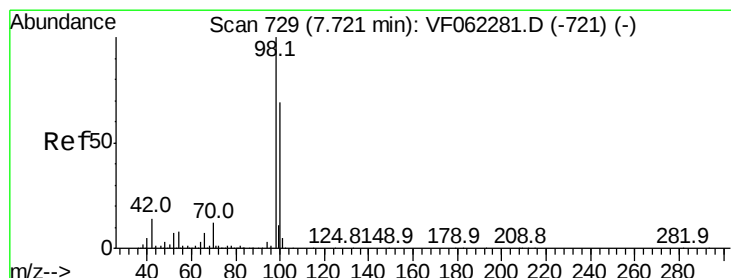
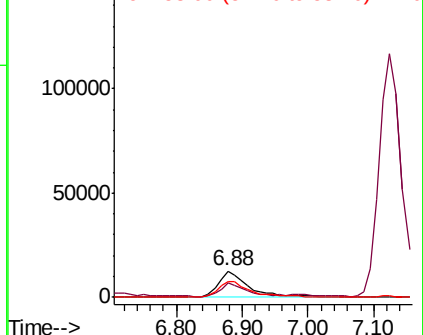
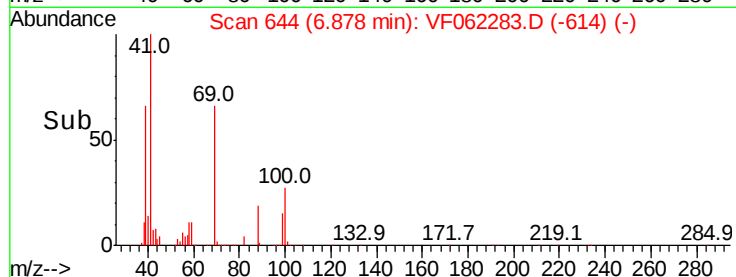
58 64.1 50.7 76.1



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: 92.246 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF062283.D

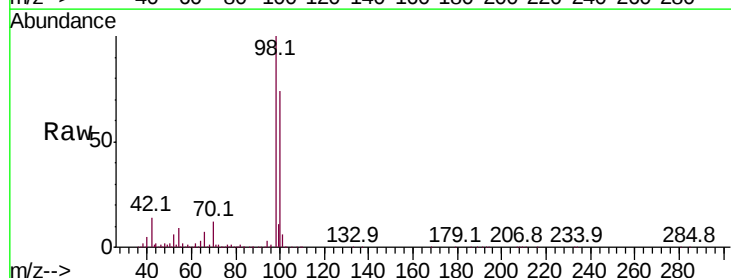
Acq: 24 Apr 2019 16:08

Tgt Ion: 98 Resp: 1155221

Ion Ratio Lower Upper

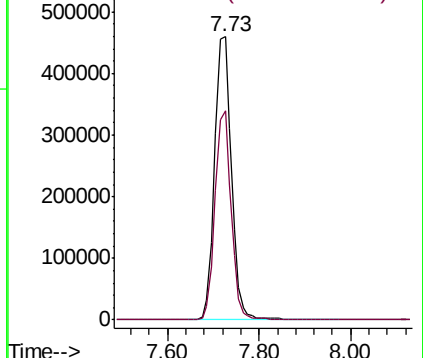
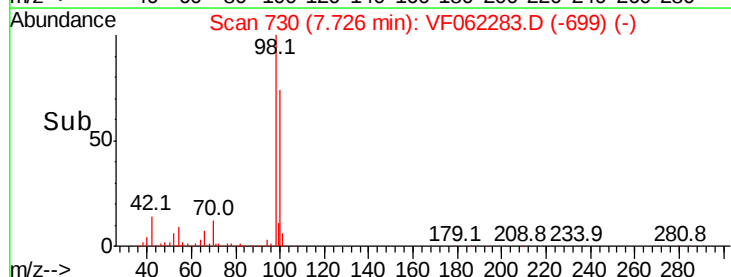
98 100

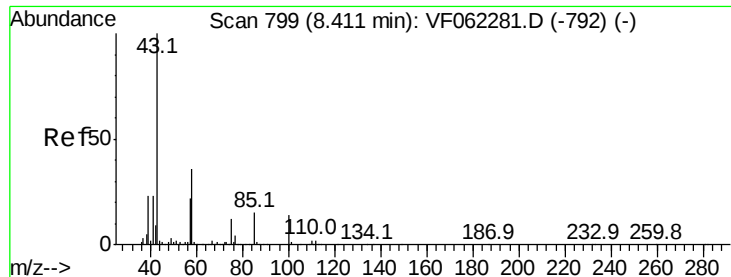
100 70.8 54.4 81.6



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: 431.190 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

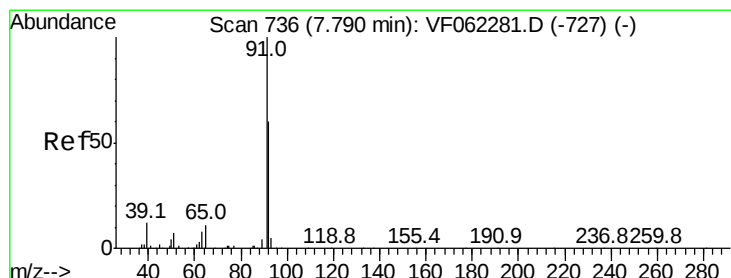
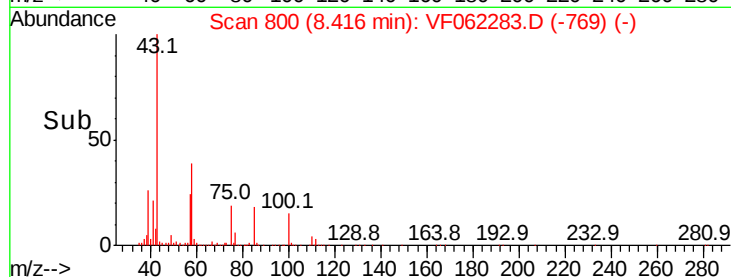
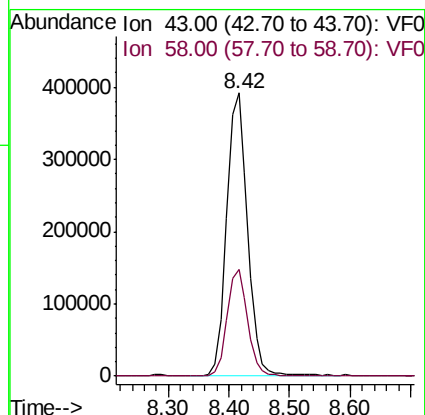
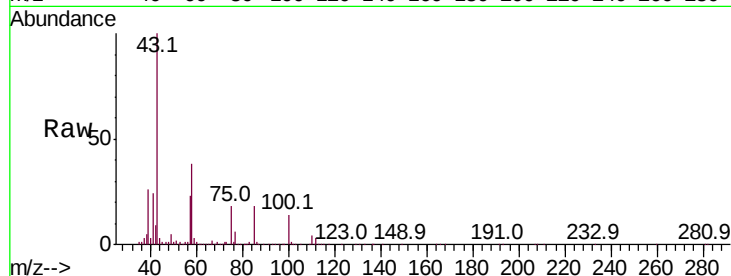
VSTDIC100

Tot Ion: 43 Resp: 935116

Ion Ratio Lower Upper

43 100

58 37.2 29.1 43.7



#52

Toluene

Concen: 88.615 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF062283.D

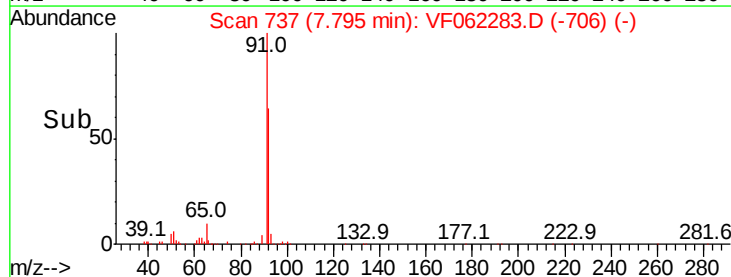
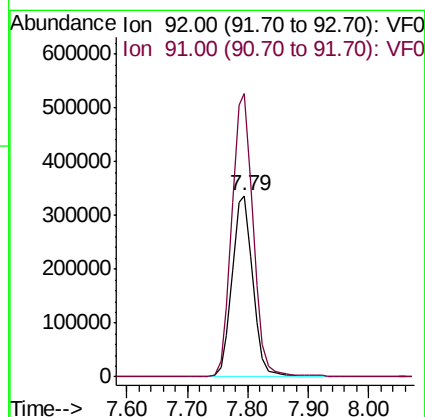
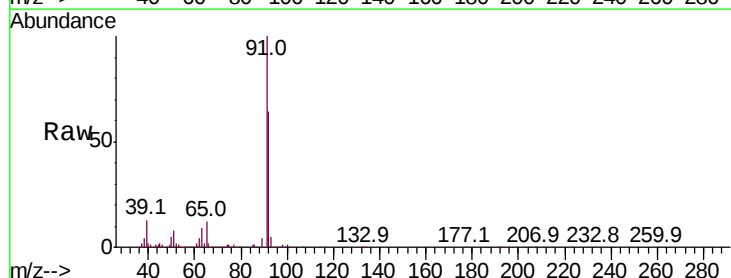
Acq: 24 Apr 2019 16:08

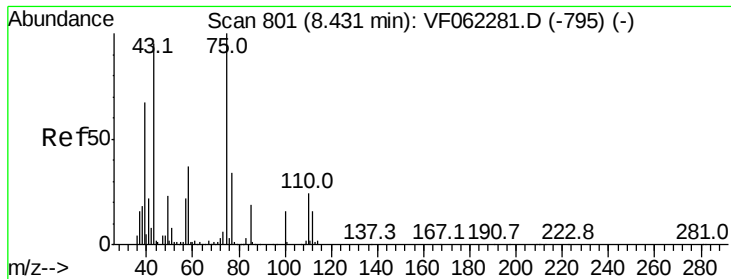
Tgt Ion: 92 Resp: 802338

Ion Ratio Lower Upper

92 100

91 160.5 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 93.272 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

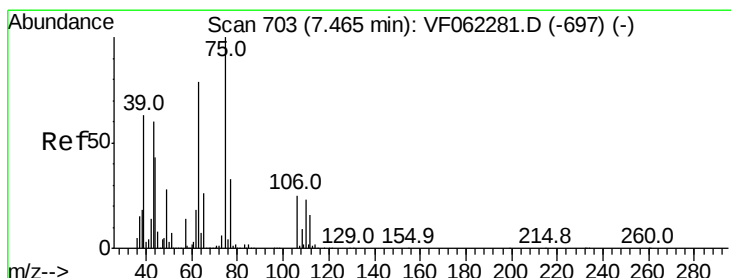
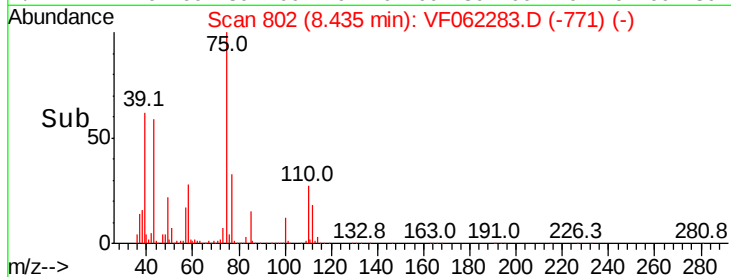
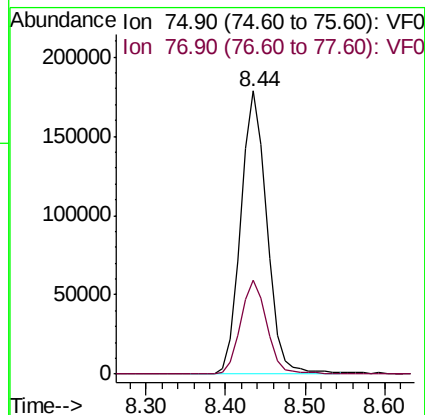
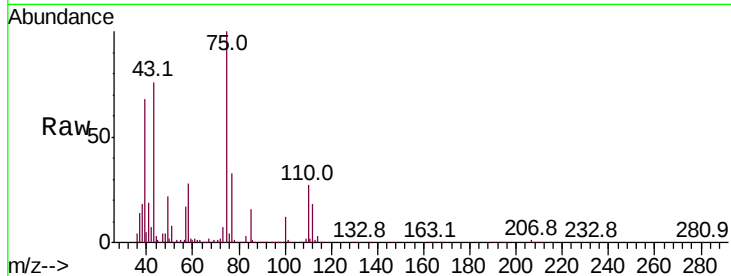
VSTDIC100

Tot Ion: 75 Resp: 402818

Ion Ratio Lower Upper

75 100

77 33.3 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 93.079 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

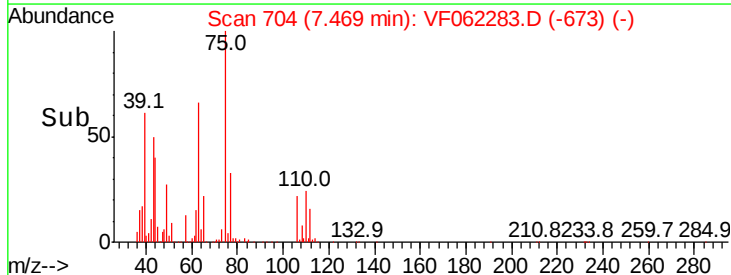
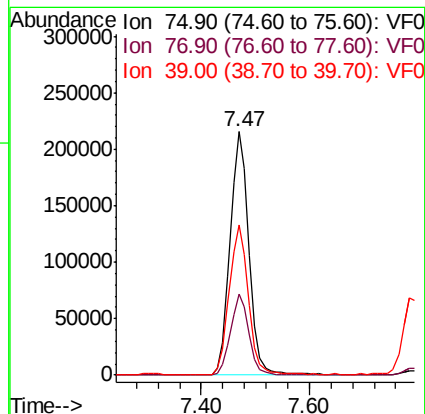
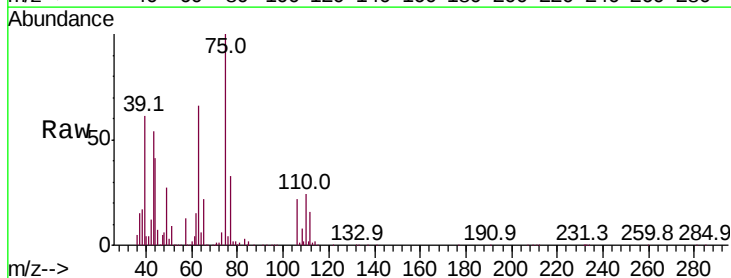
Tgt Ion: 75 Resp: 521981

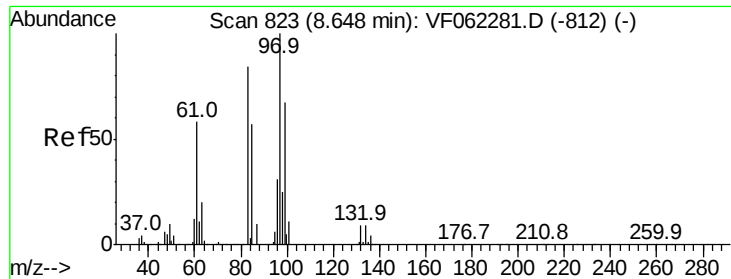
Ion Ratio Lower Upper

75 100

77 33.3 26.5 39.7

39 61.3 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 102.924 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 254703

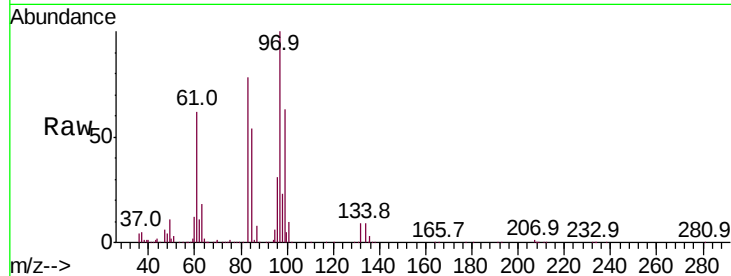
Ion	Ratio	Lower	Upper
97	100		
83	77.6	67.5	101.3
85	53.7	45.3	67.9
99	62.7	53.4	80.0

97 100

83 77.6 67.5 101.3

85 53.7 45.3 67.9

99 62.7 53.4 80.0

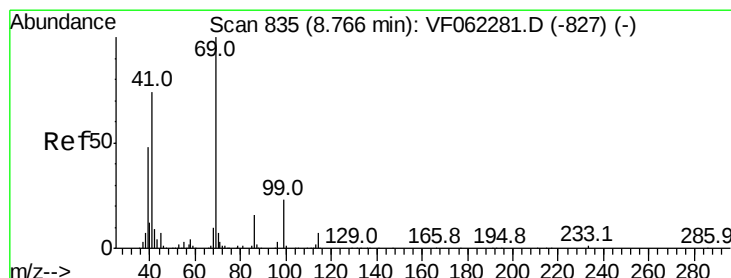
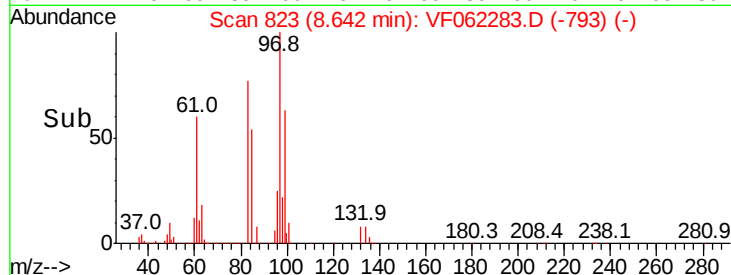
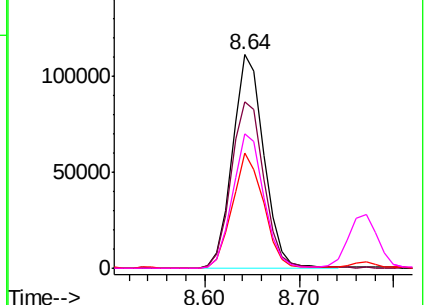


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 95.190 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

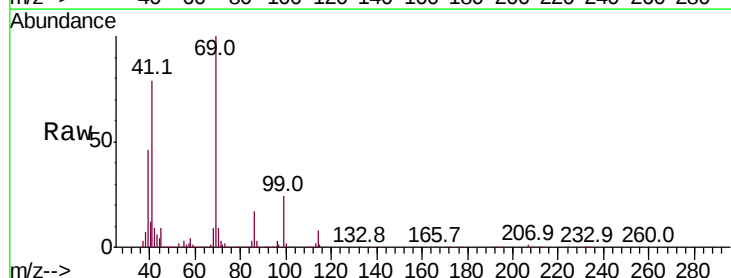
Tgt Ion: 69 Resp: 263337

Ion	Ratio	Lower	Upper
69	100		
41	77.9	61.5	92.3
39	47.8	37.9	56.9

69 100

41 77.9 61.5 92.3

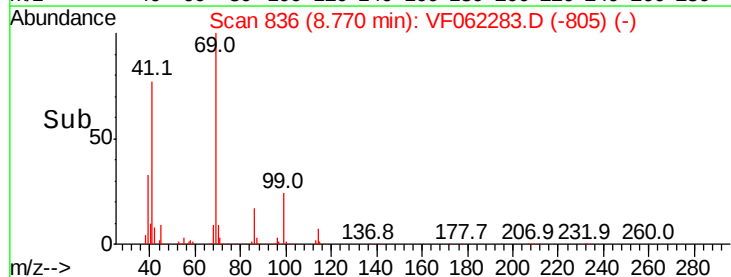
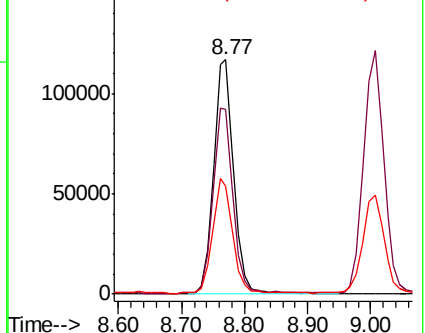
39 47.8 37.9 56.9

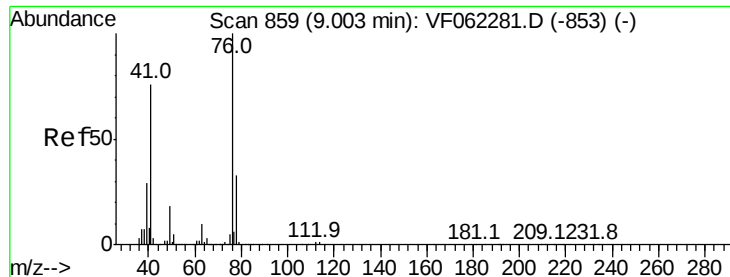


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 96.234 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

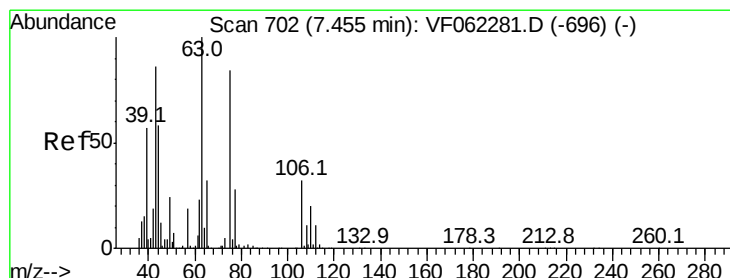
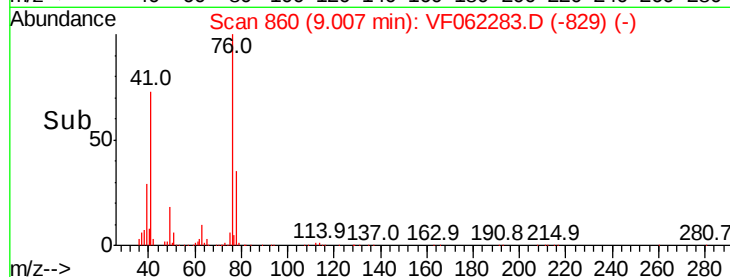
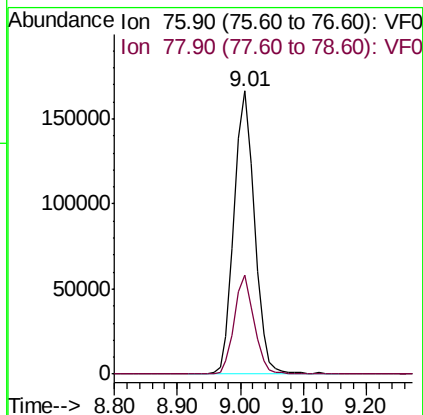
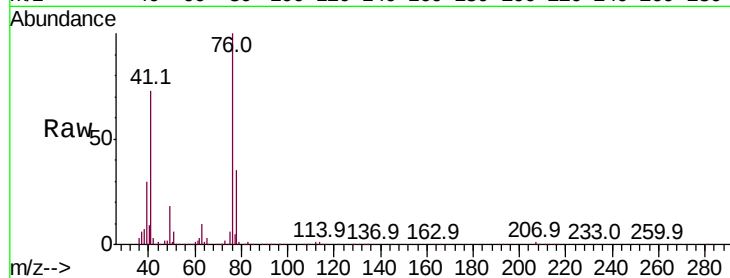
VSTDIC100

Tot Ion: 76 Resp: 374522

Ion Ratio Lower Upper

76 100

78 33.9 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 473.854 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062283.D

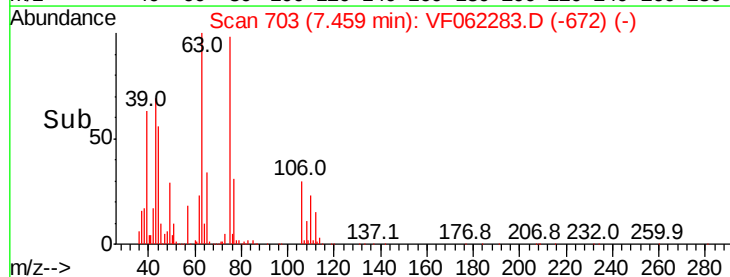
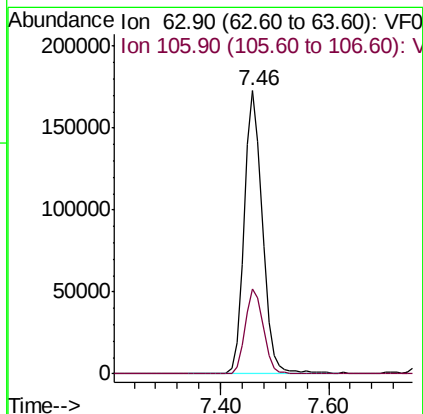
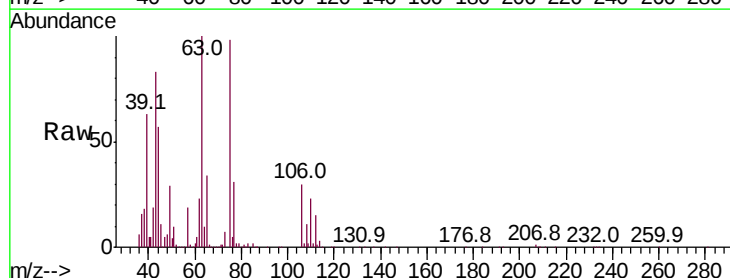
Acq: 24 Apr 2019 16:08

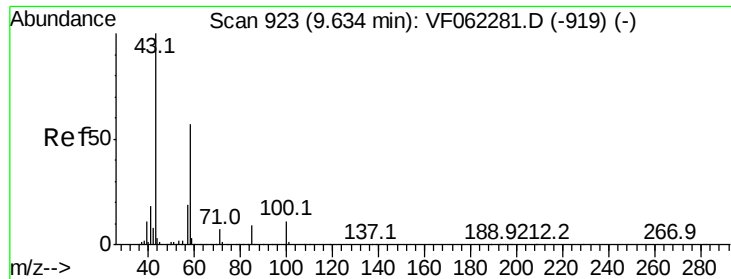
Tgt Ion: 63 Resp: 404968

Ion Ratio Lower Upper

63 100

106 30.2 24.7 37.1

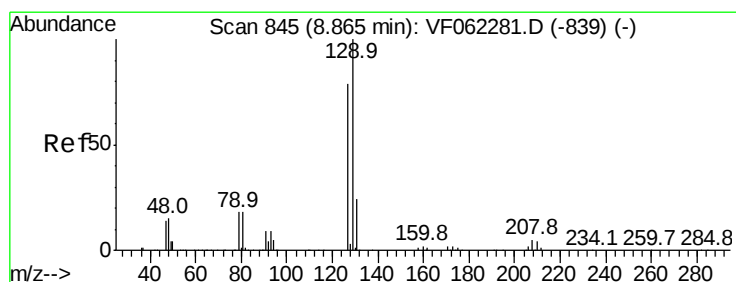
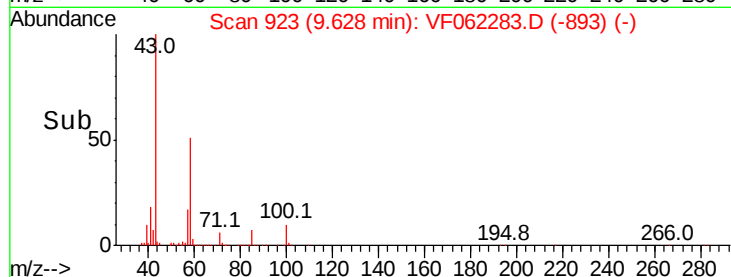
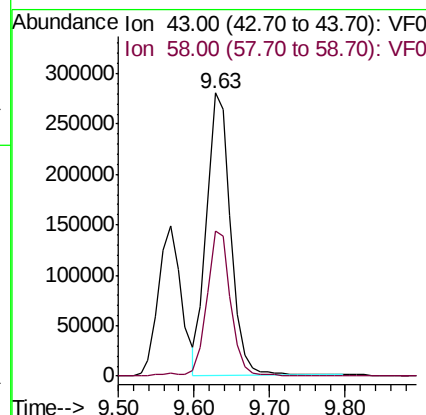
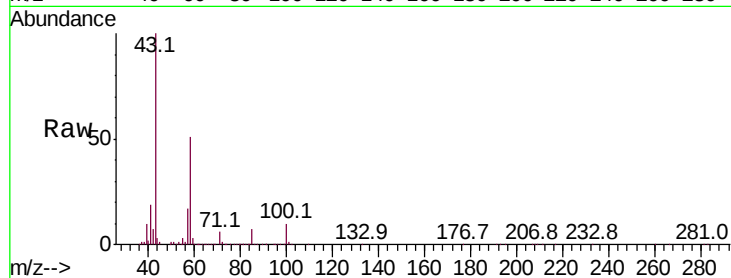




#59
2-Hexanone
Concen: 293.046 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

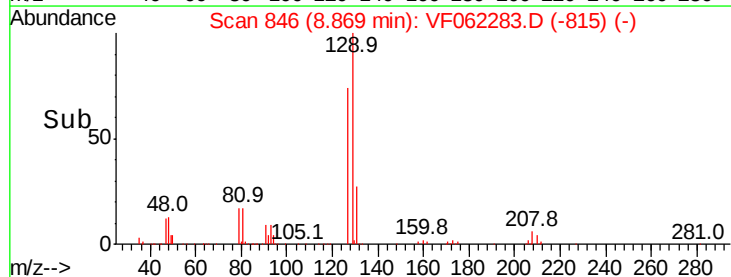
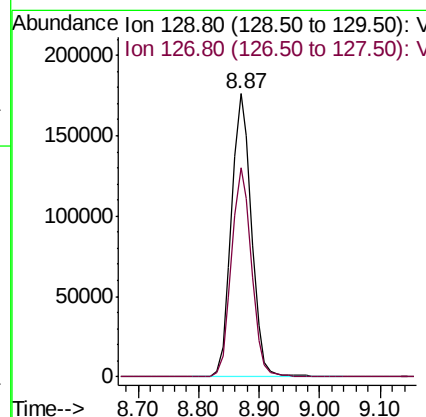
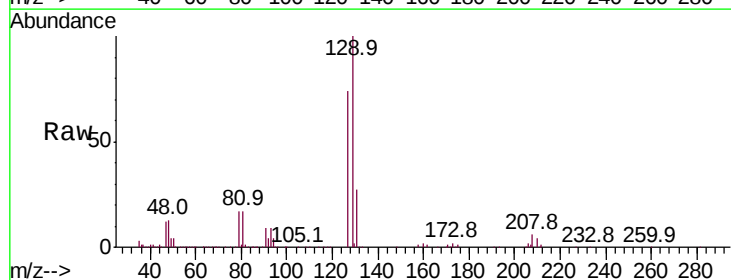
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

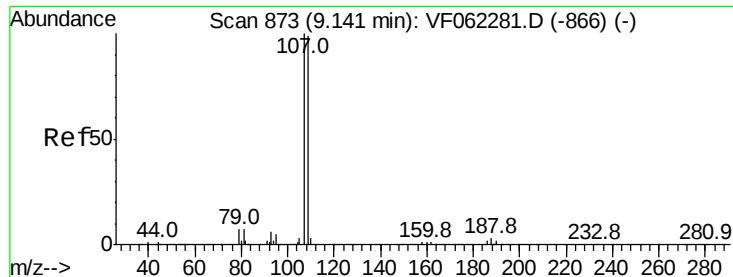
Tot Ion: 43 Resp: 619757
Ion Ratio Lower Upper
43 100
58 51.5 24.9 74.7



#60
Dibromochloromethane
Concen: 102.360 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion: 129 Resp: 408173
Ion Ratio Lower Upper
129 100
127 73.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 98.178 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

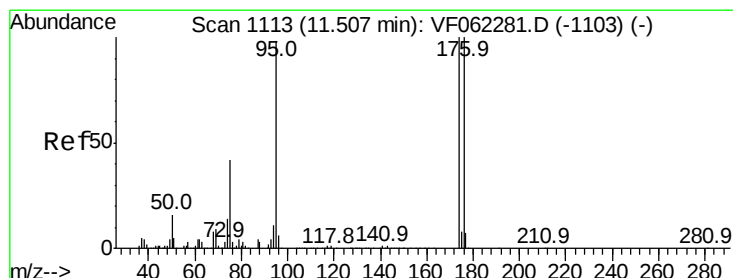
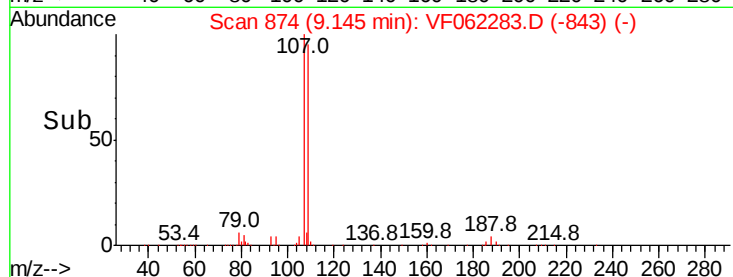
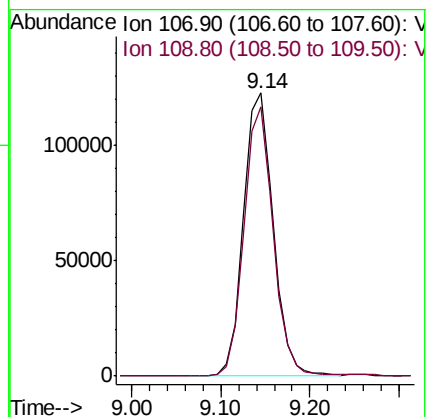
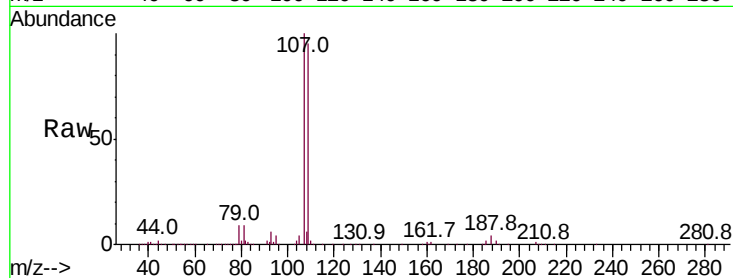
VSTDIC100

Tot Ion:107 Resp: 283123

Ion Ratio Lower Upper

107 100

109 94.2 78.7 118.1



#62

4-Bromofluorobenzene

Concen: 85.656 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

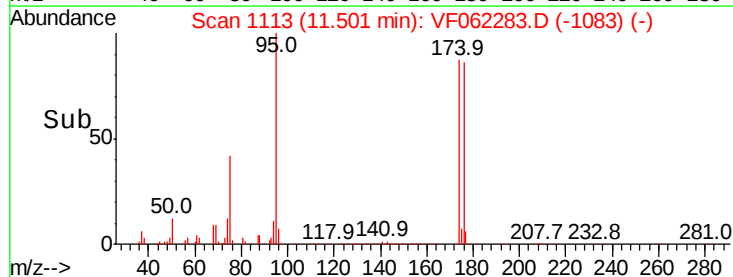
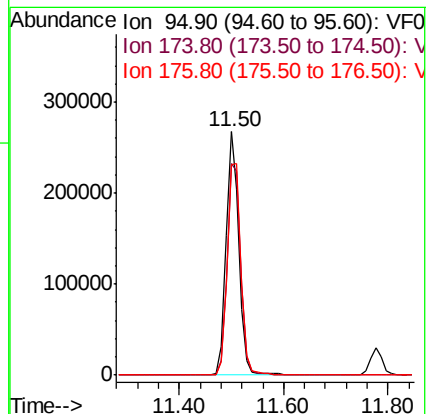
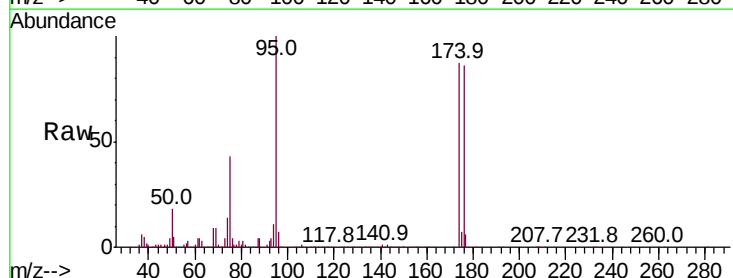
Tgt Ion: 95 Resp: 452094

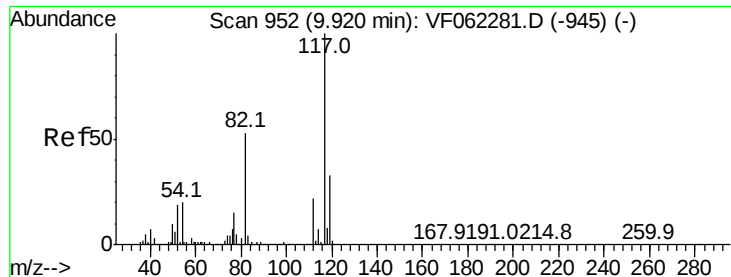
Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

176 93.2 0.0 184.8

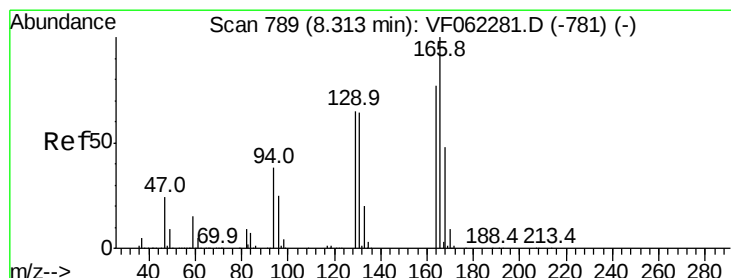
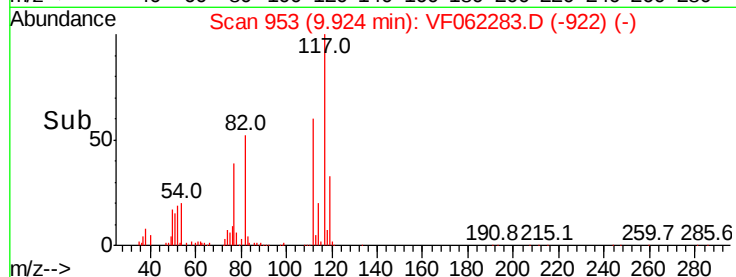
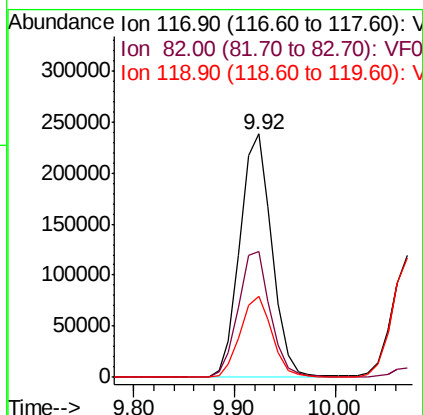
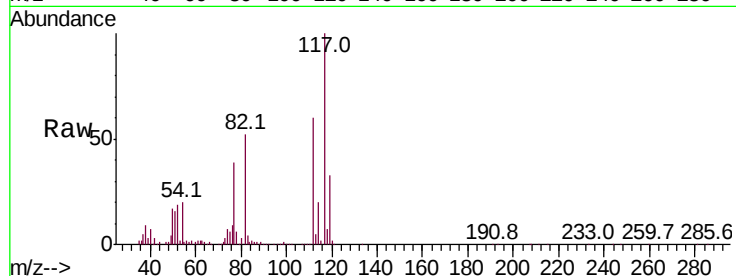




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

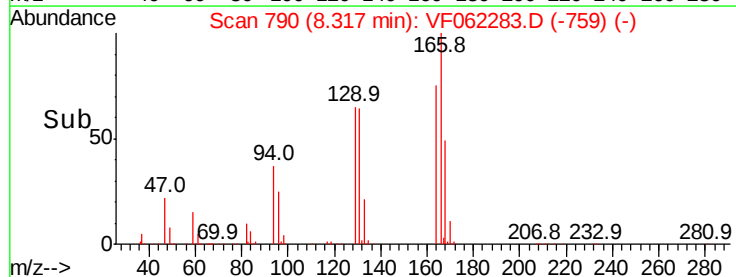
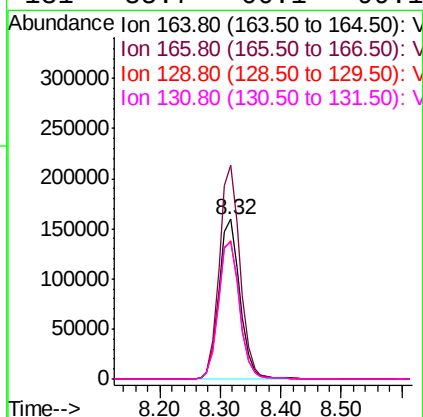
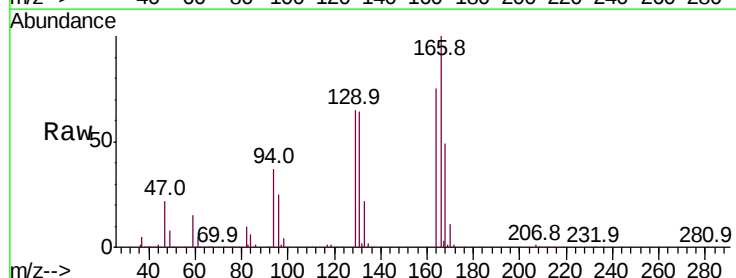
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

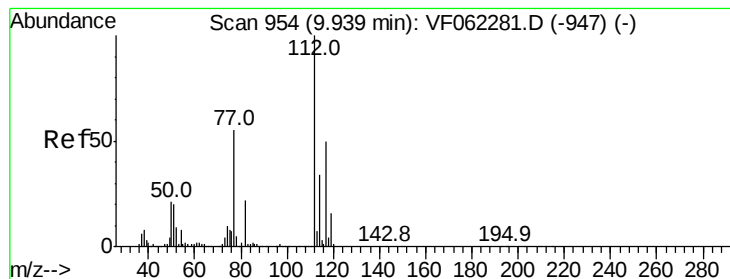
Tot Ion:117 Resp: 526668
Ion Ratio Lower Upper
117 100
82 51.7 42.6 64.0
119 33.2 26.1 39.1



#64
Tetrachloroethene
Concen: 85.224 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion:164 Resp: 385800
Ion Ratio Lower Upper
164 100
166 133.9 103.5 155.3
129 86.7 67.6 101.4
131 85.7 66.1 99.1





#65

Chlorobenzene

Concen: 89.948 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

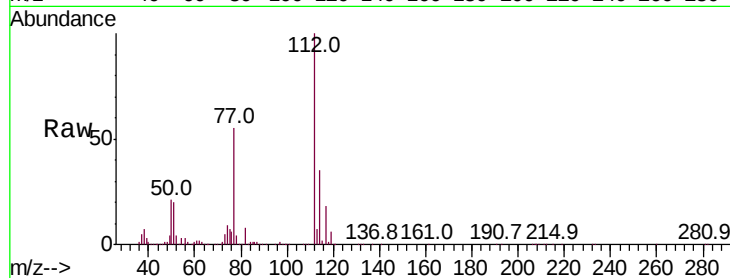
VSTDIC100

Tot Ion:112 Resp: 878618

Ion Ratio Lower Upper

112 100

114 34.5 27.0 40.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.94

400000

300000

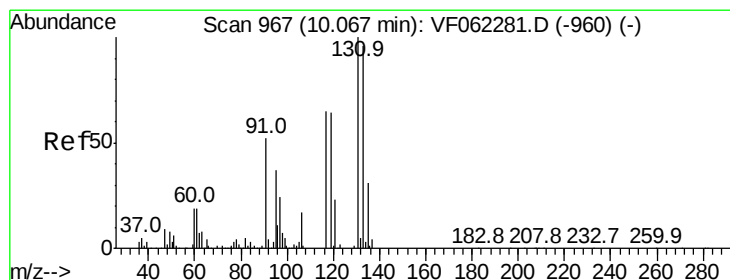
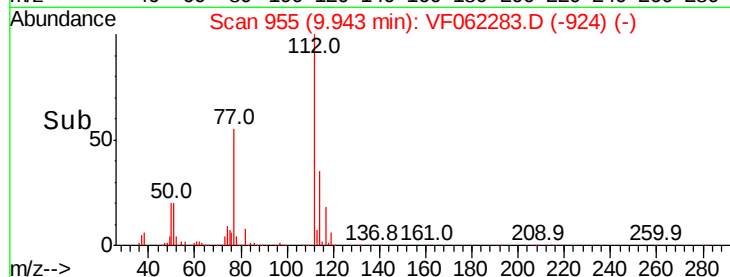
200000

100000

0

Time-->

9.80 9.90 10.00 10.10



#66

1,1,1,2-Tetrachloroethane

Concen: 85.217 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

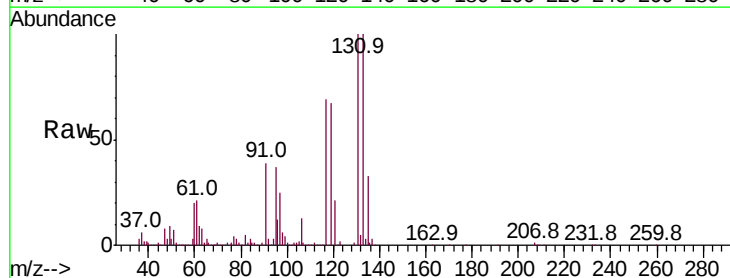
Tgt Ion:131 Resp: 401228

Ion Ratio Lower Upper

131 100

133 98.1 48.5 145.5

119 66.5 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

200000

150000

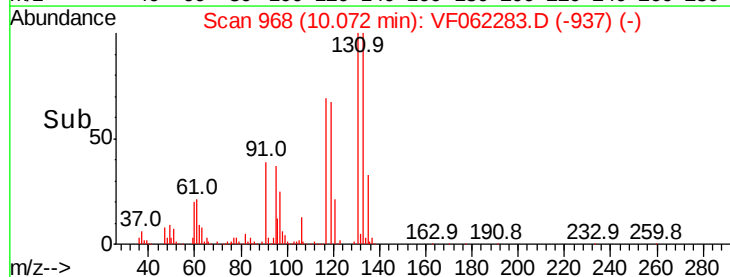
100000

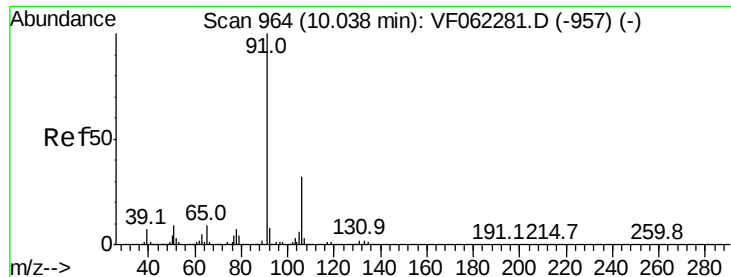
50000

0

Time-->

10.00 10.20





#67

Ethyl Benzene

Concen: 83.218 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

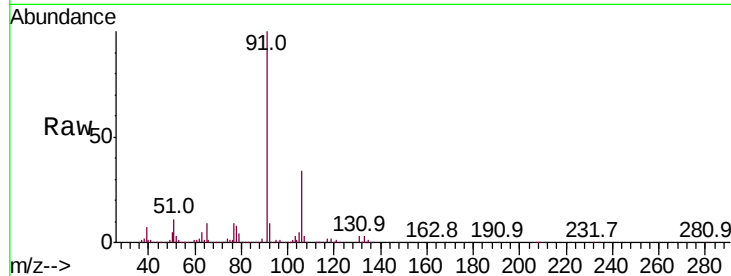
VSTDIC100

Tot Ion: 91 Resp: 1441931

Ion Ratio Lower Upper

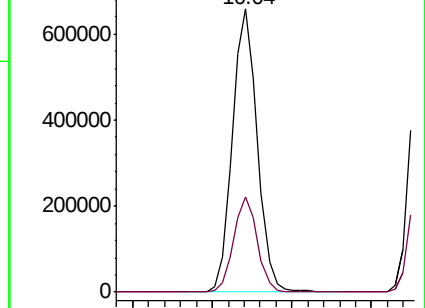
91 100

106 33.7 25.6 38.4

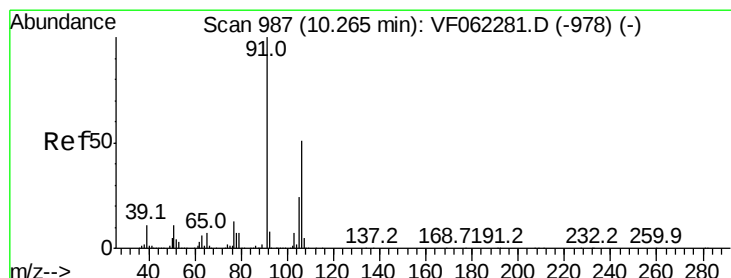
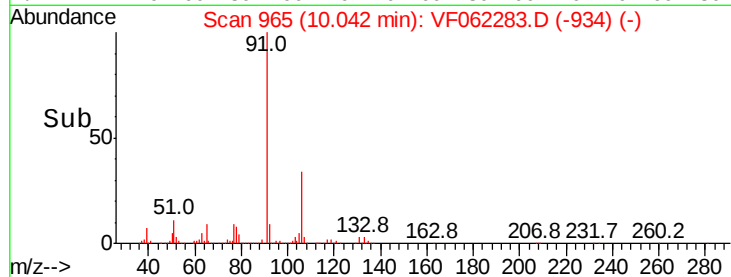


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 176.487 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062283.D

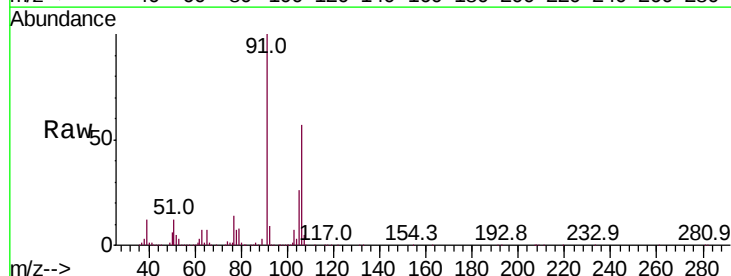
Acq: 24 Apr 2019 16:08

Tgt Ion:106 Resp: 1129124

Ion Ratio Lower Upper

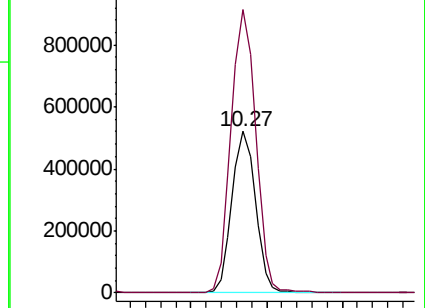
106 100

91 182.8 158.3 237.5

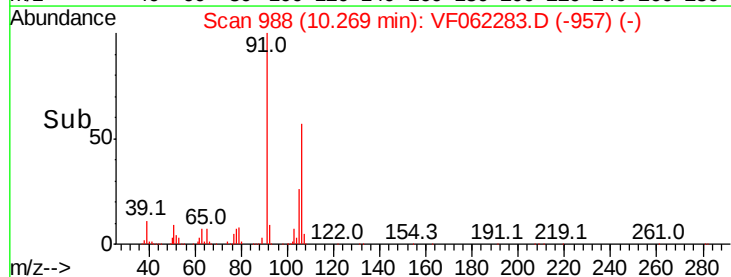


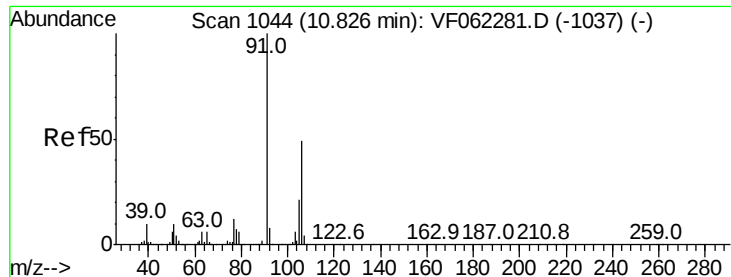
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->

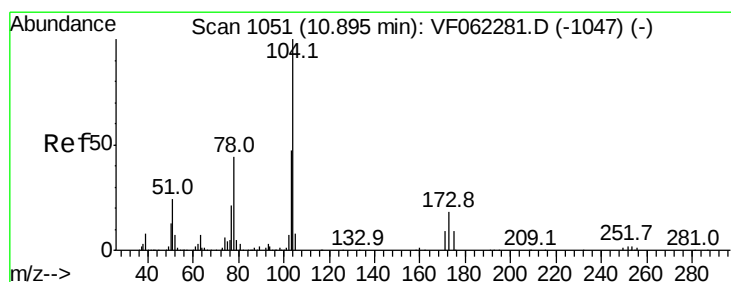
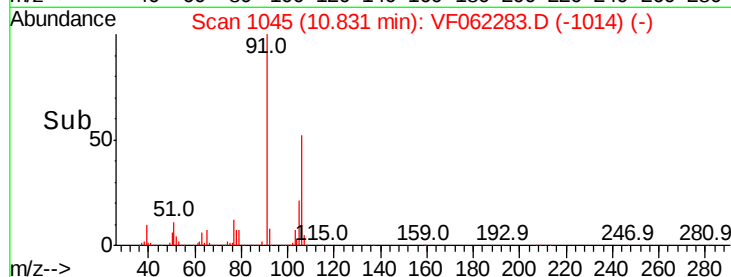
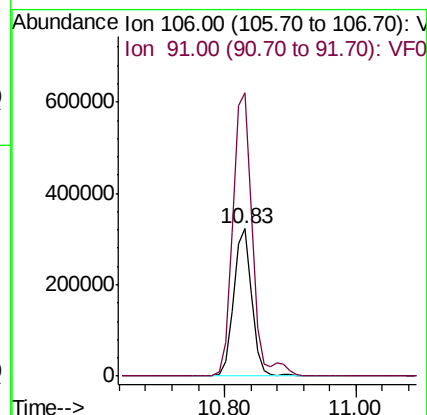
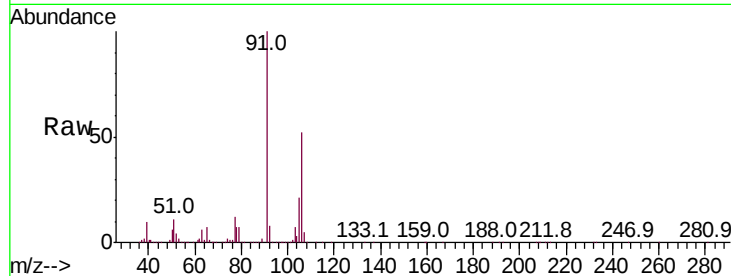




#69
o-Xylene
Concen: 86.225 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

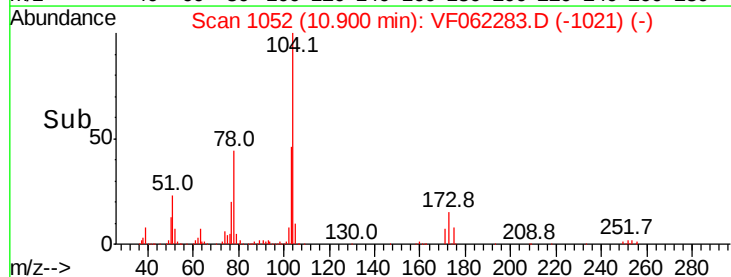
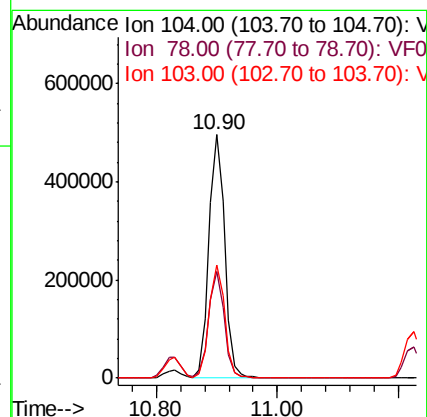
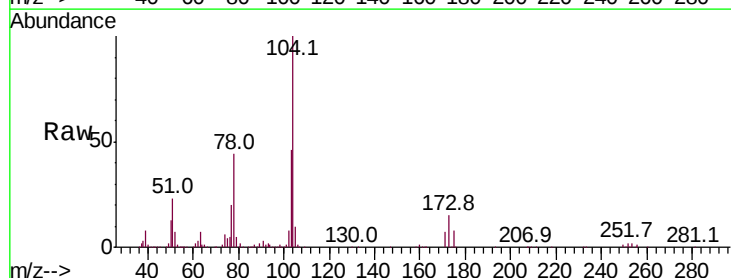
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

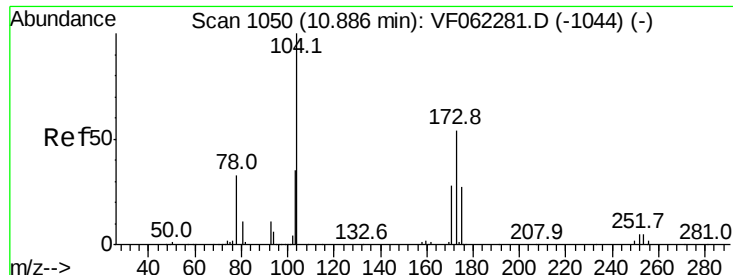
Tot Ion:106 Resp: 619236
Ion Ratio Lower Upper
106 100
91 202.4 110.0 330.0



#70
Styrene
Concen: 86.736 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion:104 Resp: 901162
Ion Ratio Lower Upper
104 100
78 43.0 35.9 53.9
103 45.7 37.5 56.3





#71

Bromoform

Concen: 93.835 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

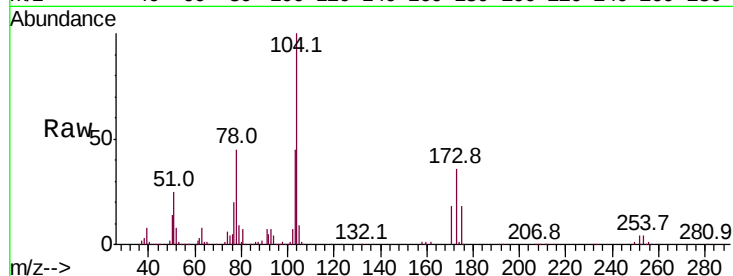
Tot Ion:173 Resp: 239790

Ion Ratio Lower Upper

173 100

175 50.9 25.3 75.9

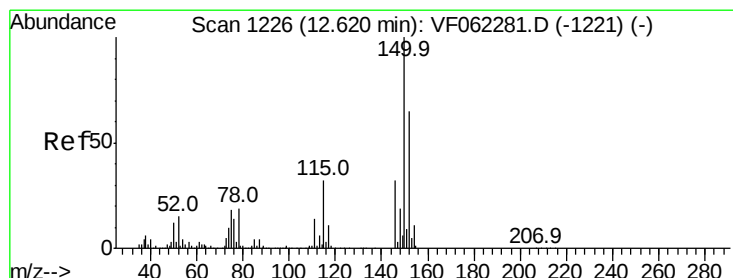
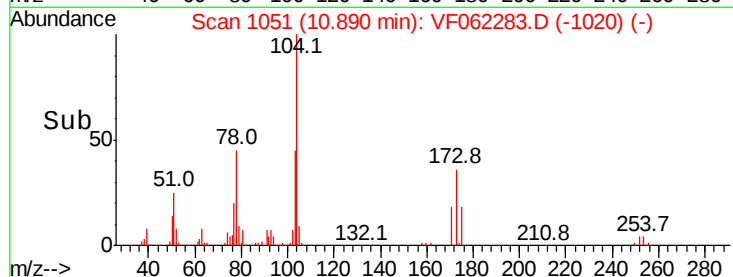
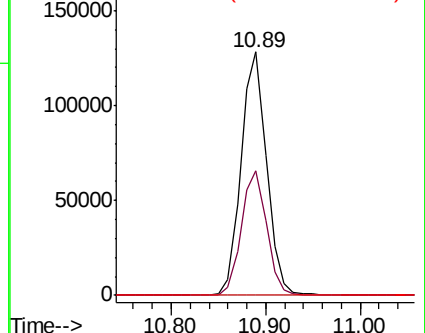
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

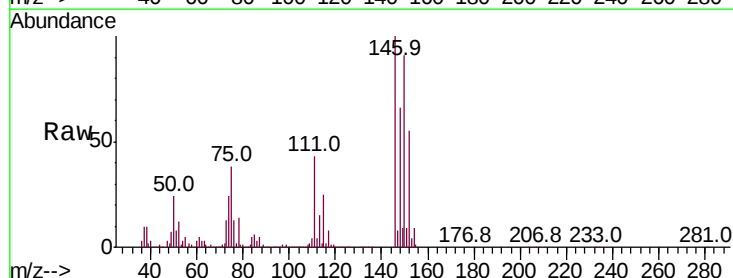
Tgt Ion:152 Resp: 273937

Ion Ratio Lower Upper

152 100

115 52.5 25.6 76.8

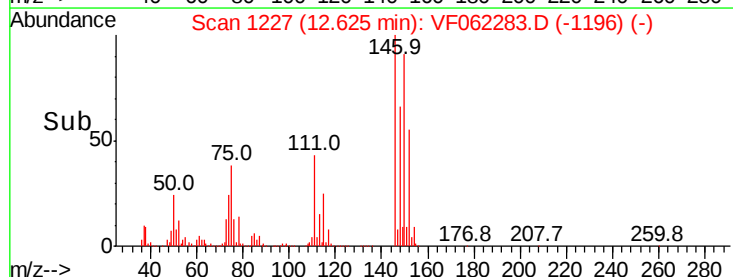
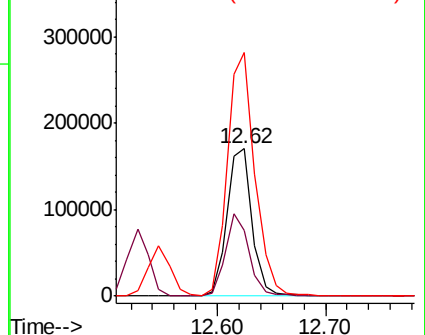
150 180.2 0.0 330.6

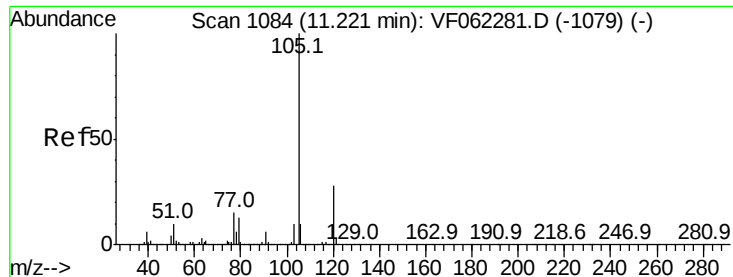


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 88.307 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

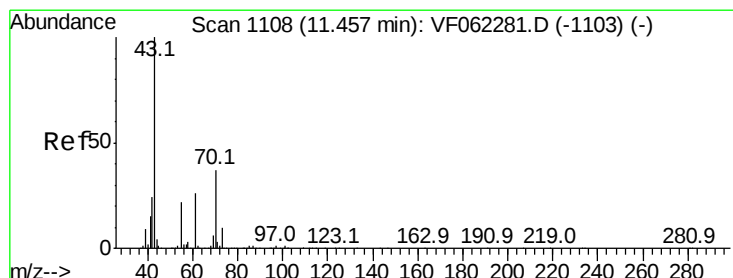
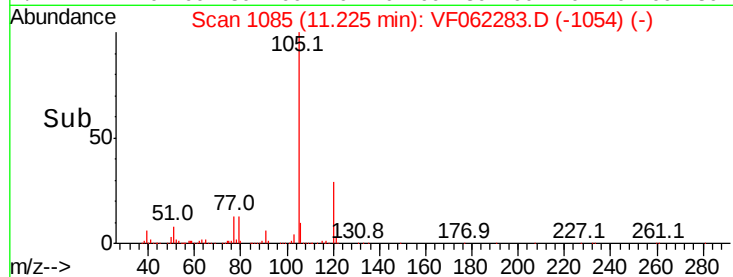
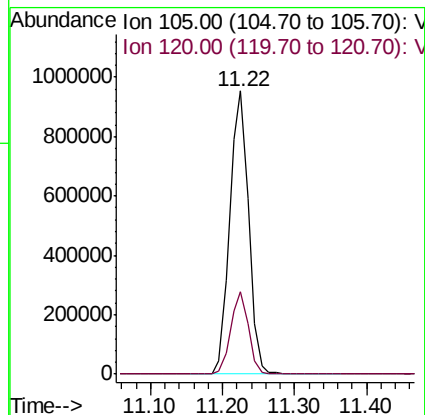
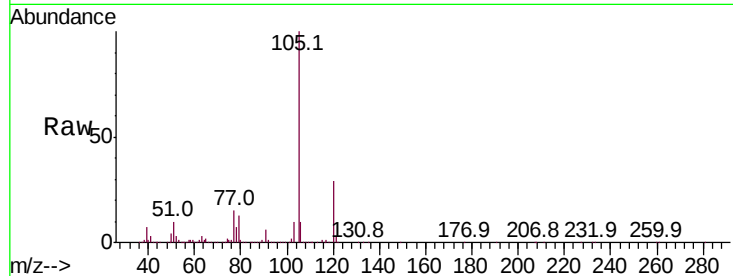
VSTDIC100

Tot Ion:105 Resp: 1727051

Ion Ratio Lower Upper

105 100

120 27.6 12.4 37.2



#74

N-ethyl acetate

Concen: 90.186 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion: 43 Resp: 400453

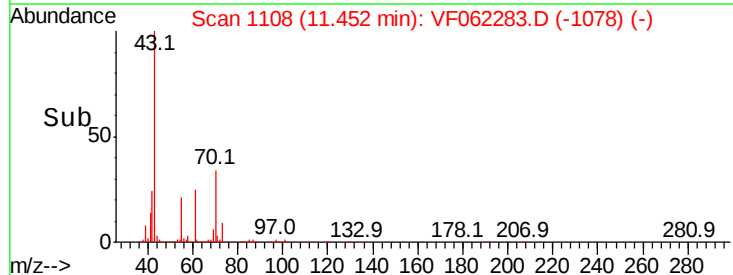
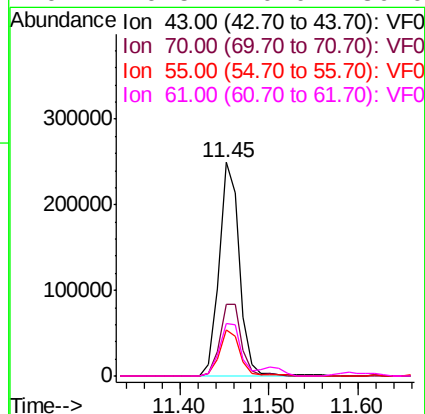
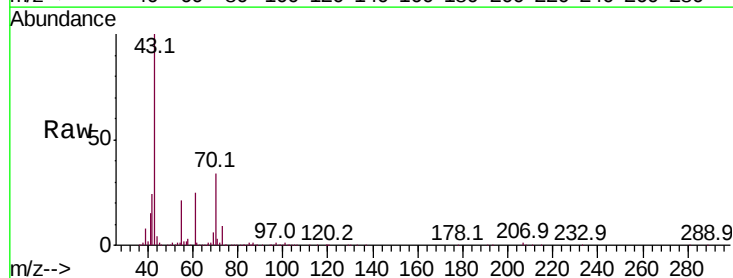
Ion Ratio Lower Upper

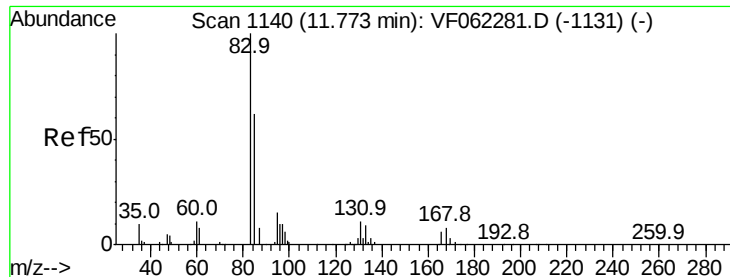
43 100

70 36.2 27.8 41.8

55 21.6 16.6 24.8

61 26.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 96.945 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

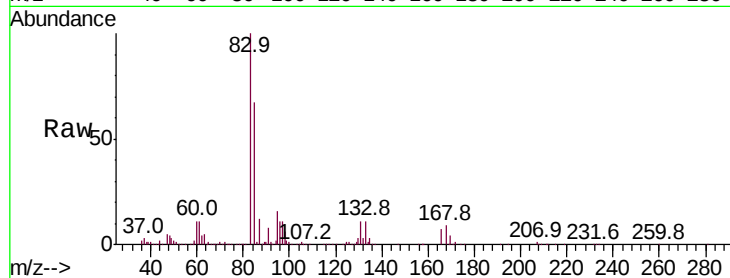
Tot Ion: 83 Resp: 283530

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

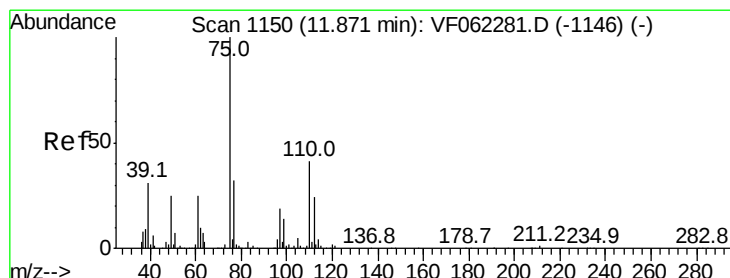
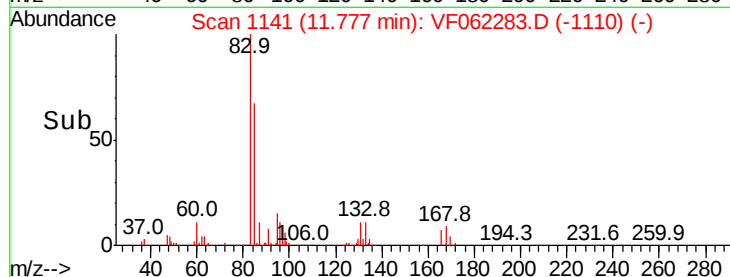
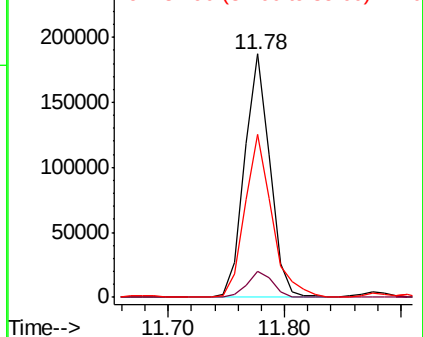
85 71.4 34.5 103.6



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: 95.042 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062283.D

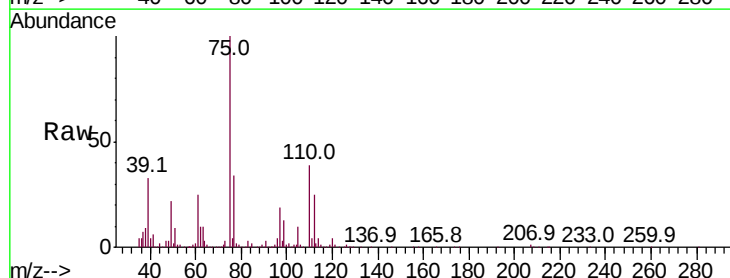
Acq: 24 Apr 2019 16:08

Tgt Ion: 75 Resp: 200587

Ion Ratio Lower Upper

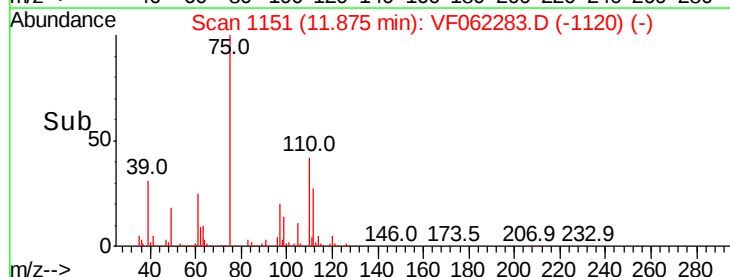
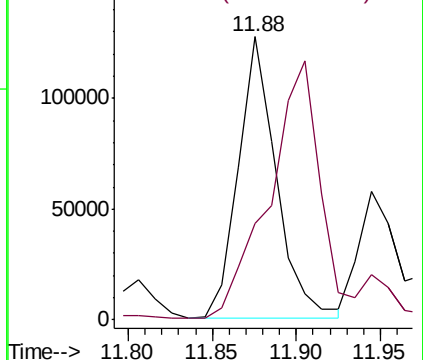
75 100

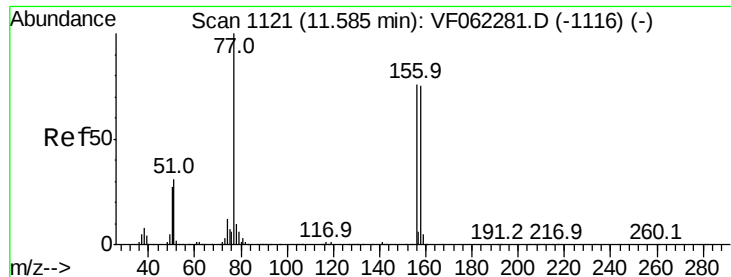
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 94.510 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

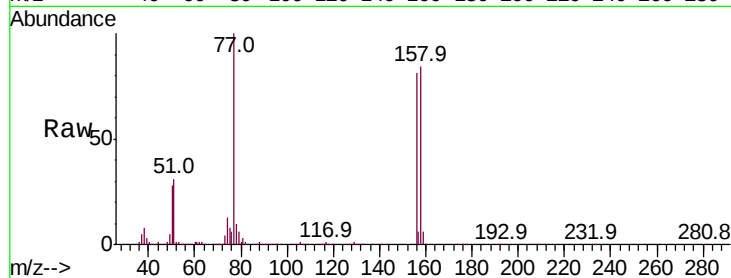
Tot Ion:156 Resp: 445784

Ion Ratio Lower Upper

156 100

77 135.4 67.3 201.9

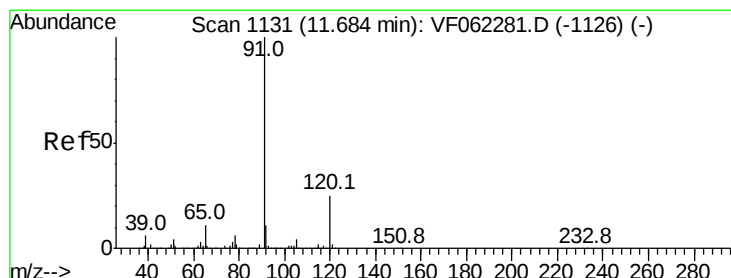
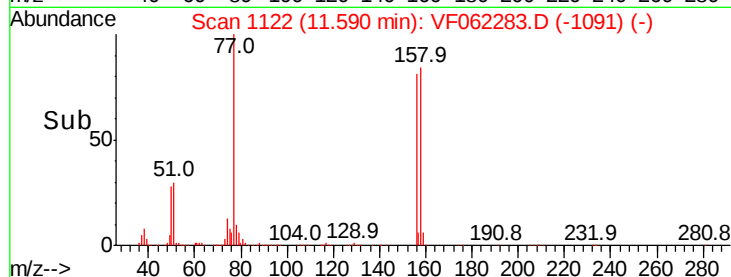
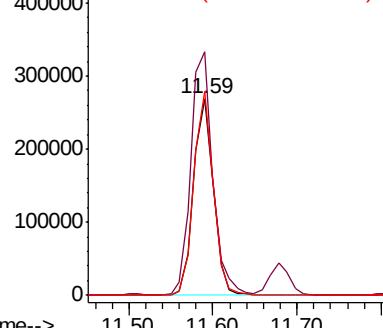
158 101.4 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 85.624 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062283.D

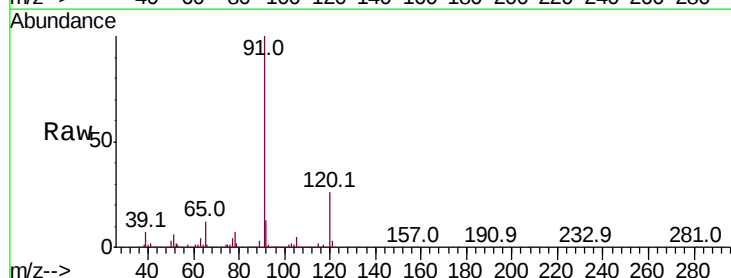
Acq: 24 Apr 2019 16:08

Tgt Ion: 91 Resp: 1742604

Ion Ratio Lower Upper

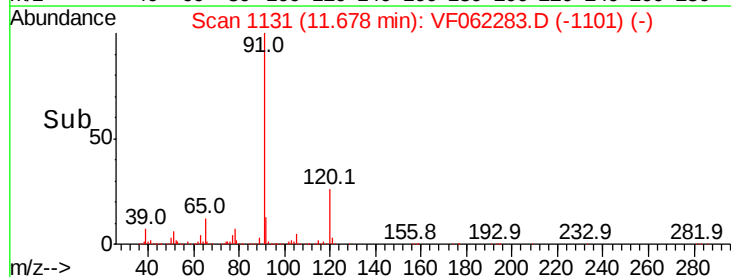
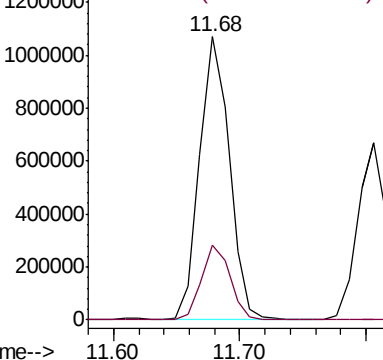
91 100

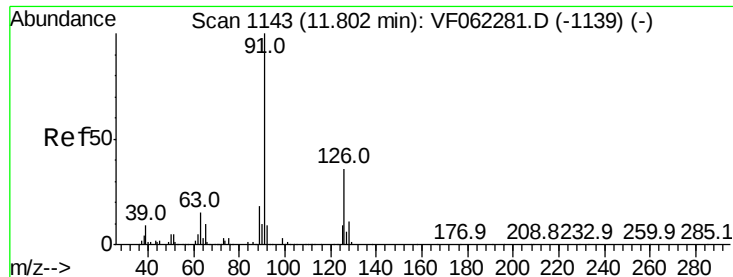
120 25.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 89.208 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

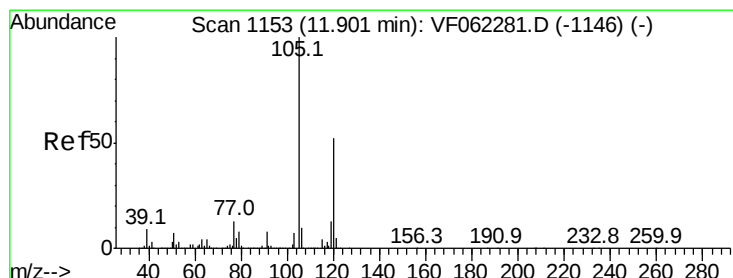
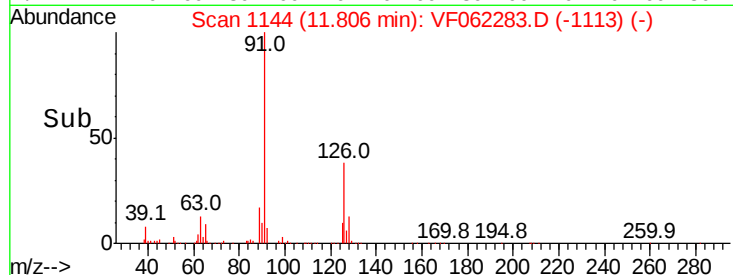
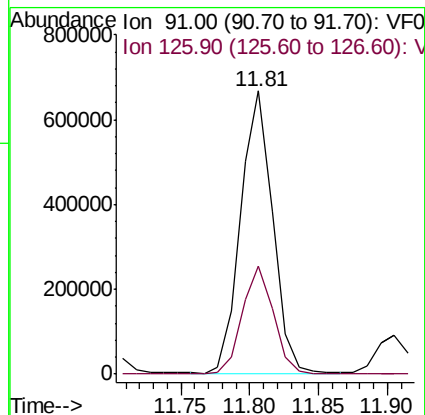
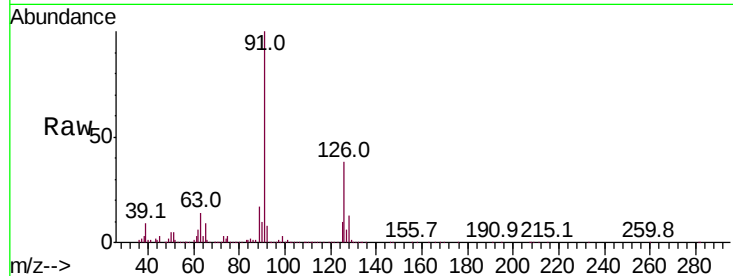
VSTDIC100

Tot Ion: 91 Resp: 1079020

Ion Ratio Lower Upper

91 100

126 37.3 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 83.824 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062283.D

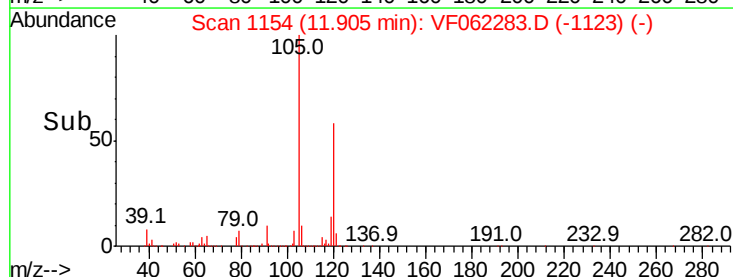
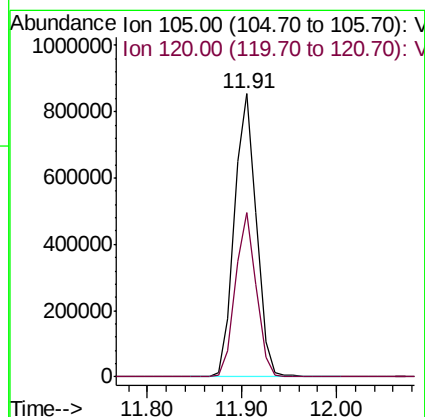
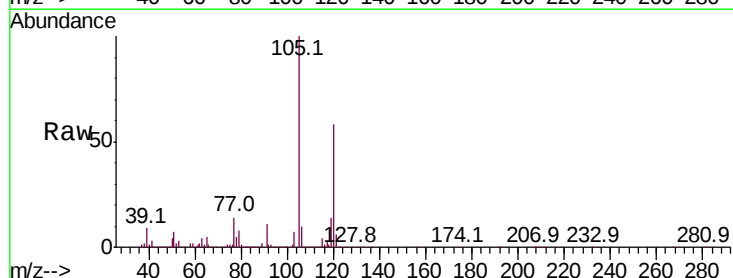
Acq: 24 Apr 2019 16:08

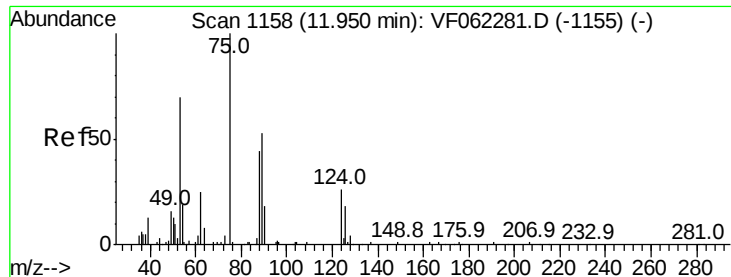
Tgt Ion:105 Resp: 1371660

Ion Ratio Lower Upper

105 100

120 55.0 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 95.409 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

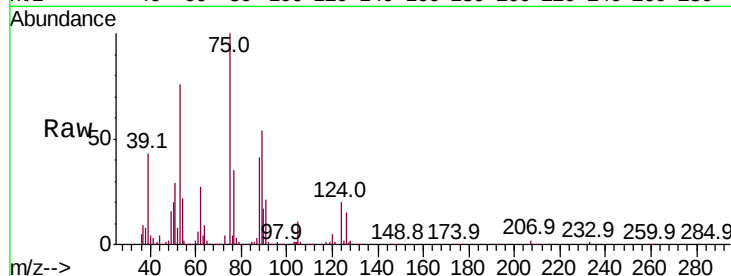
Tot Ion: 75 Resp: 116927

Ion Ratio Lower Upper

75 100

53 56.9 67.1 100.7#

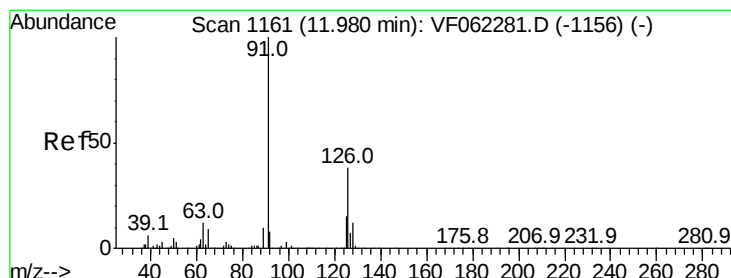
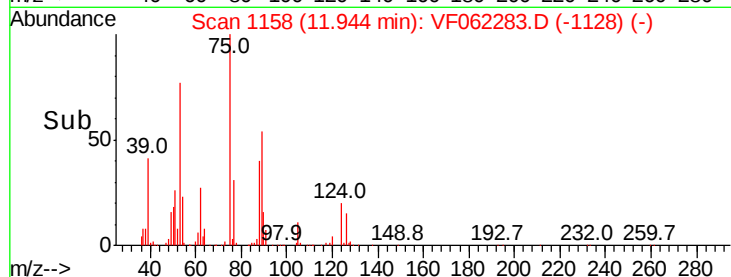
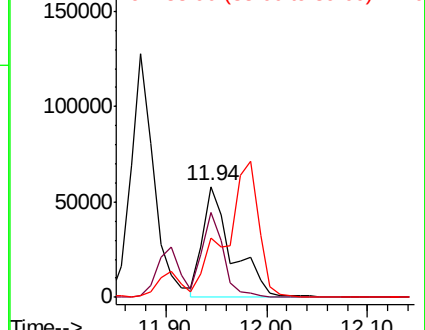
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 87.942 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062283.D

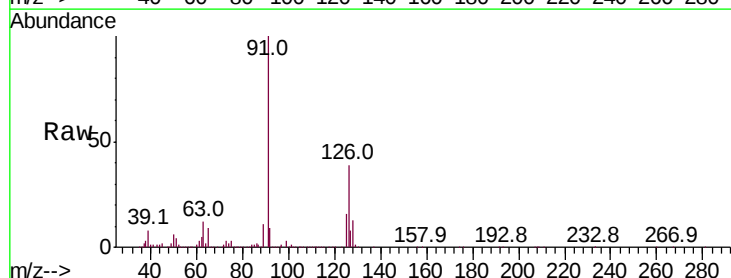
Acq: 24 Apr 2019 16:08

Tgt Ion: 91 Resp: 1054117

Ion Ratio Lower Upper

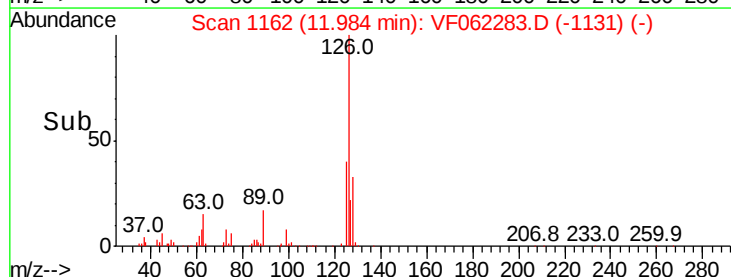
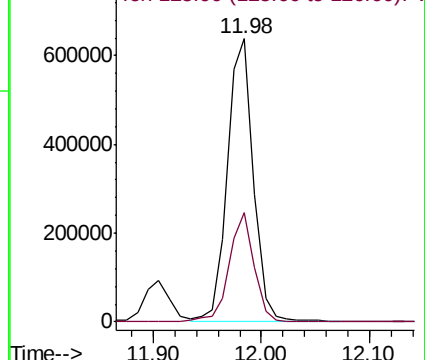
91 100

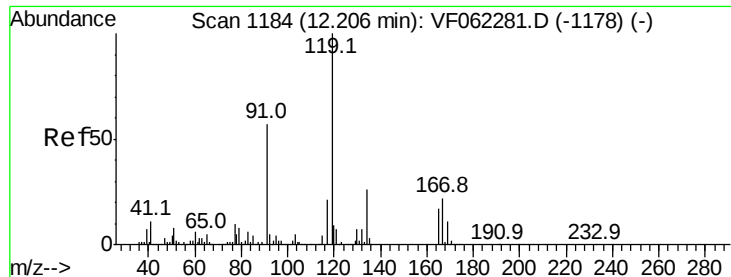
126 37.5 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 81.562 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

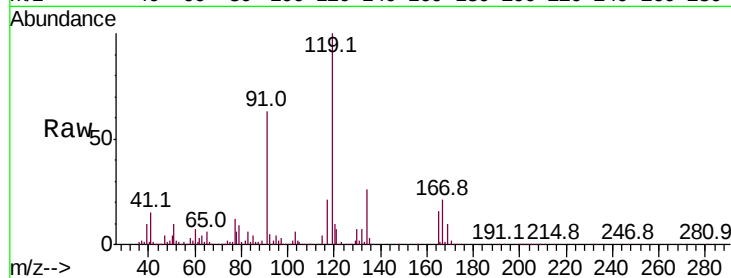
Tot Ion:119 Resp: 1399371

Ion Ratio Lower Upper

119 100

91 59.2 29.4 88.2

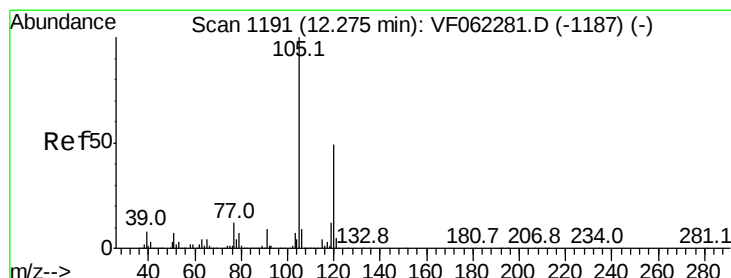
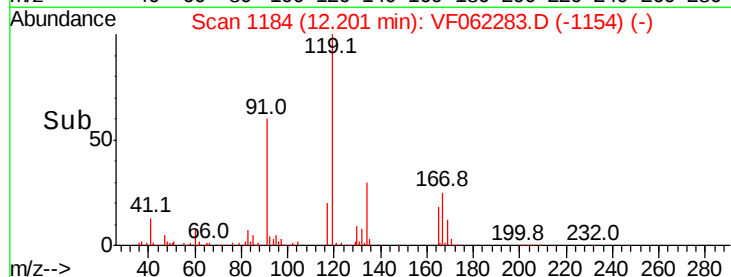
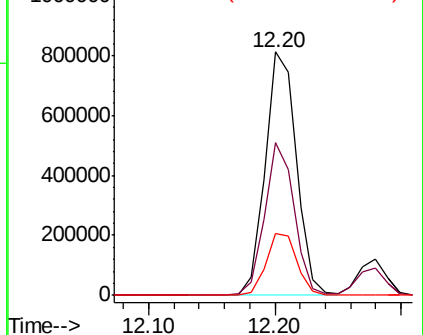
134 25.1 11.9 35.7



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: 82.729 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062283.D

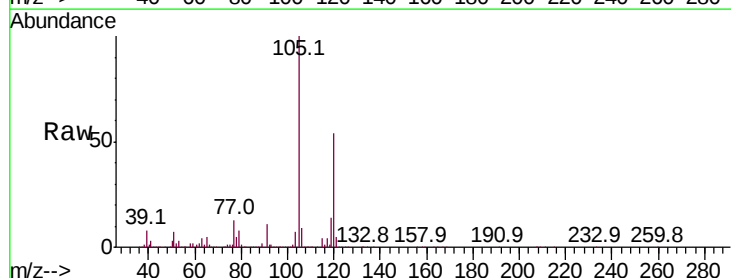
Acq: 24 Apr 2019 16:08

Tgt Ion:105 Resp: 1331287

Ion Ratio Lower Upper

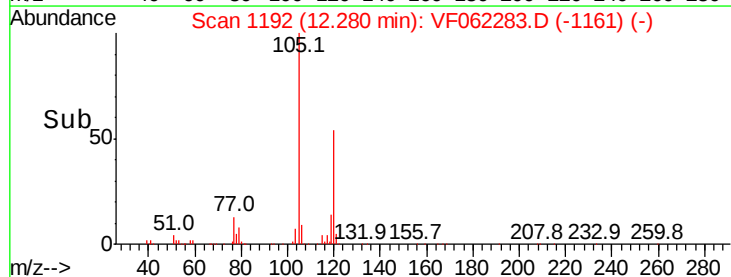
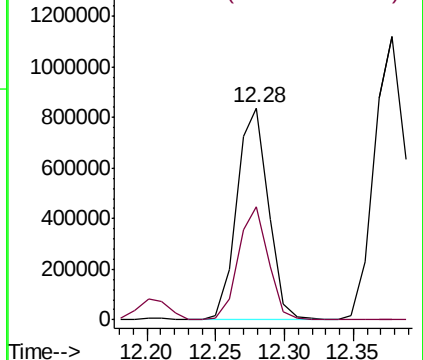
105 100

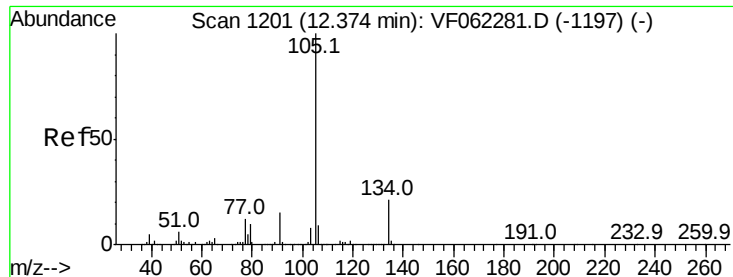
120 50.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 84.090 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

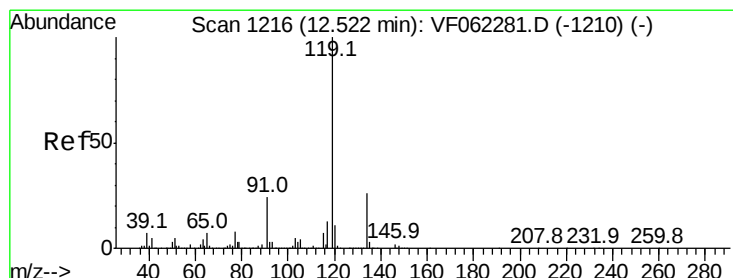
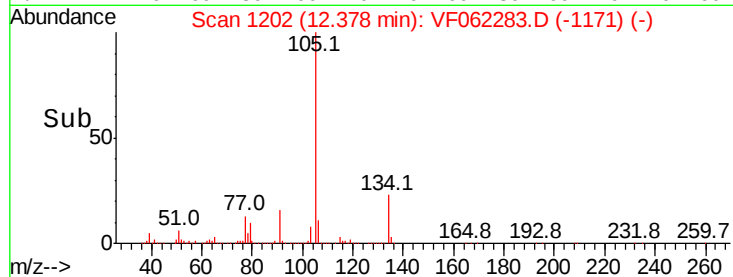
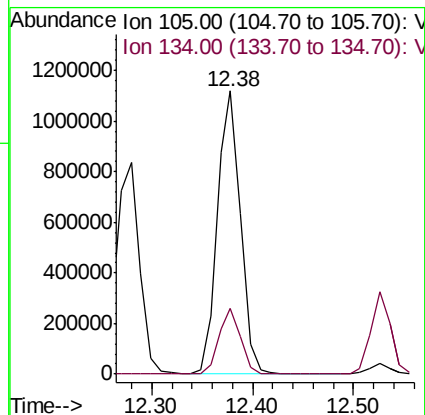
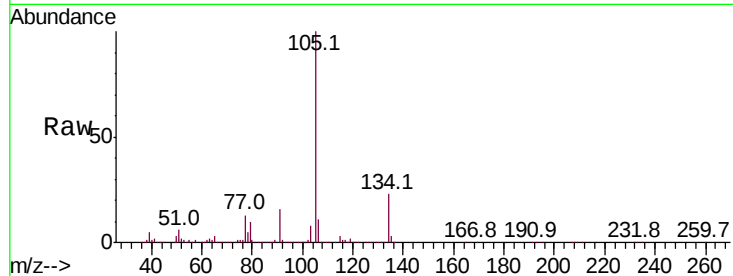
VSTDIC100

Tot Ion:105 Resp: 1790984

Ion Ratio Lower Upper

105 100

134 21.9 10.2 30.4



#86

p-Isopropyltoluene

Concen: 82.994 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

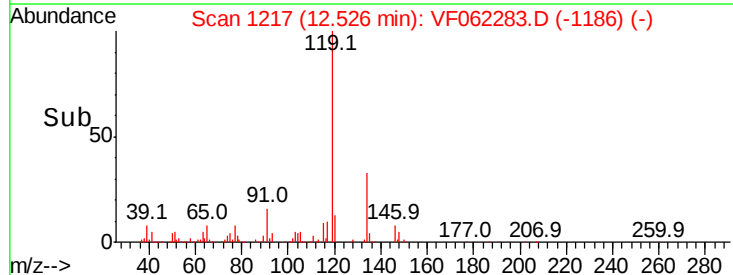
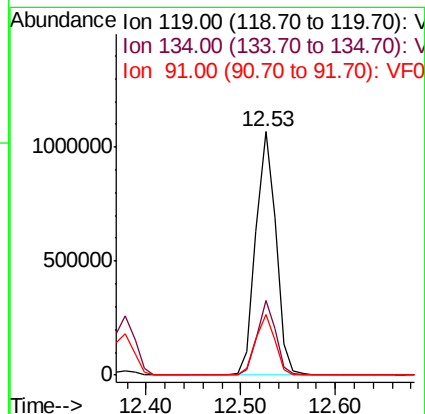
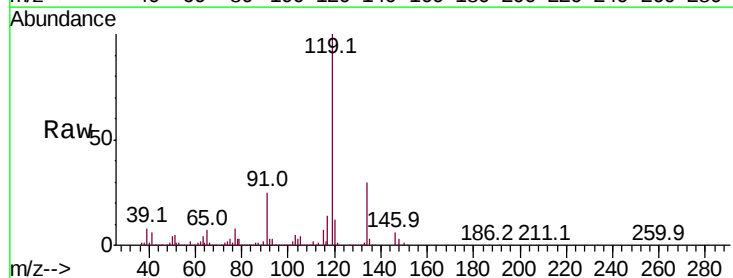
Tgt Ion:119 Resp: 1573457

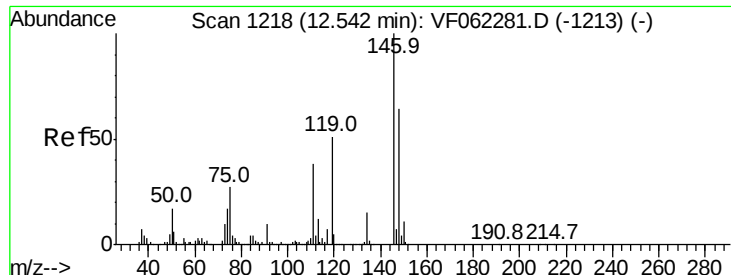
Ion Ratio Lower Upper

119 100

134 28.3 13.2 39.5

91 24.1 11.6 34.7

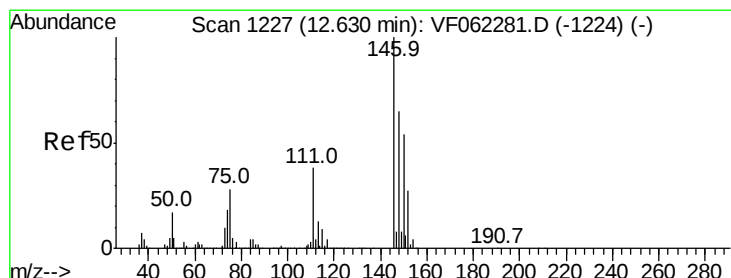
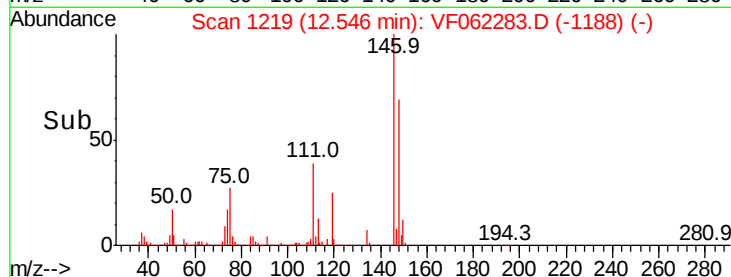
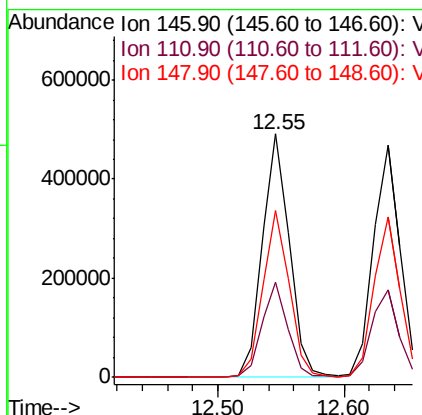
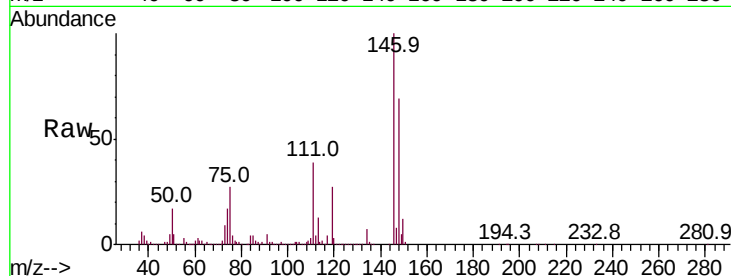




#87
 1,3-Dichlorobenzene
 Concen: 85.953 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

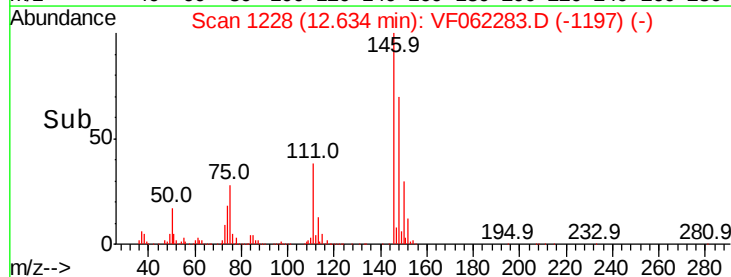
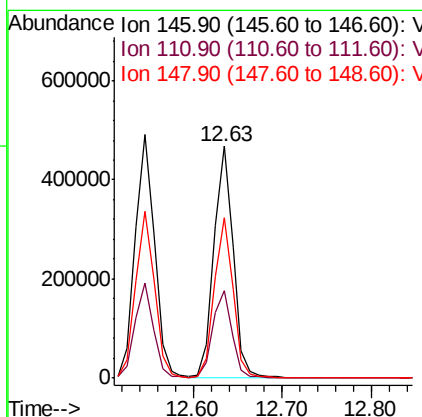
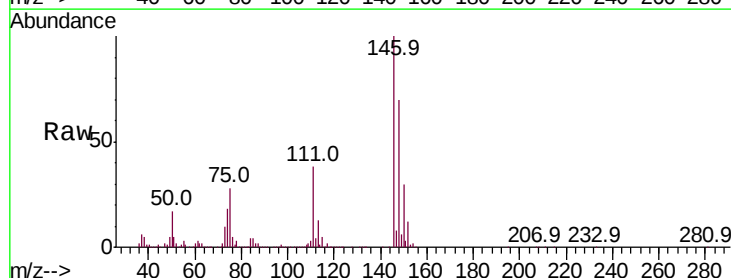
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

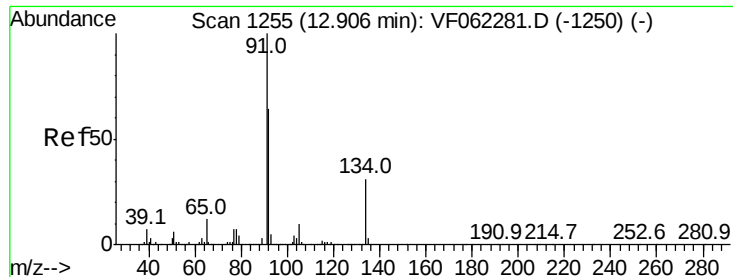
Tot Ion:146 Resp: 737710
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 66.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 87.674 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion:146 Resp: 705603
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 56.0
 148 67.8 32.5 97.5





#89

n-Butylbenzene

Concen: 76.648 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

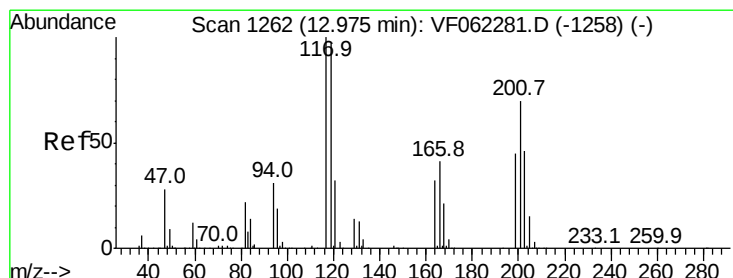
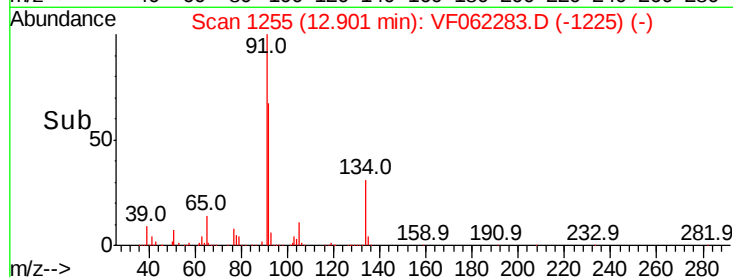
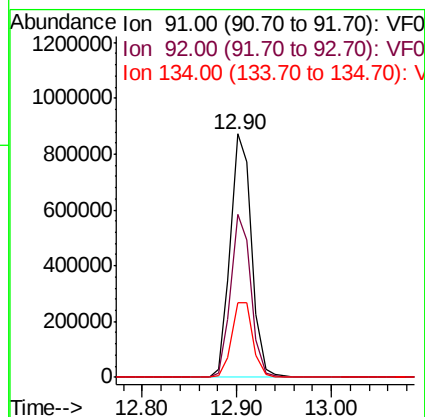
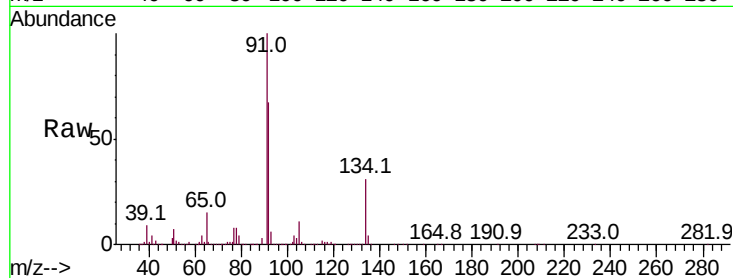
Tot Ion: 91 Resp: 1355148

Ion Ratio Lower Upper

91 100

92 63.9 31.1 93.3

134 30.9 14.4 43.4



#90

Hexachloroethane

Concen: 89.122 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062283.D

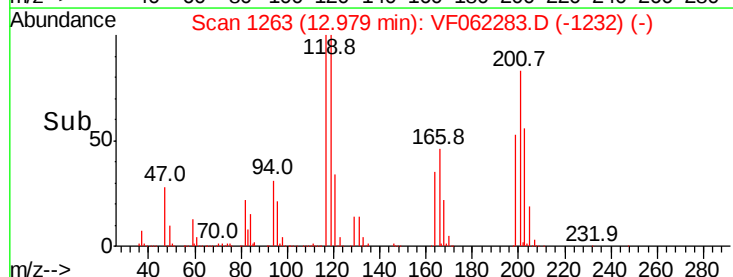
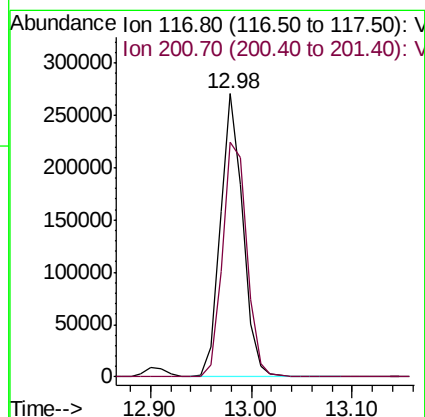
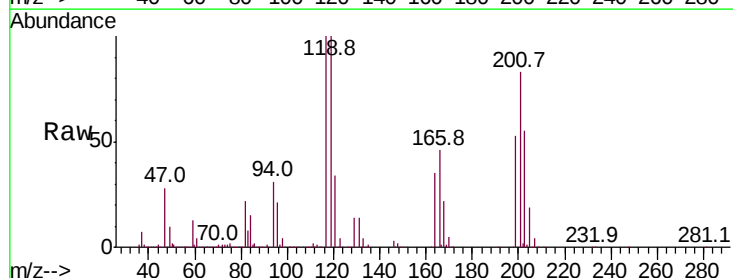
Acq: 24 Apr 2019 16:08

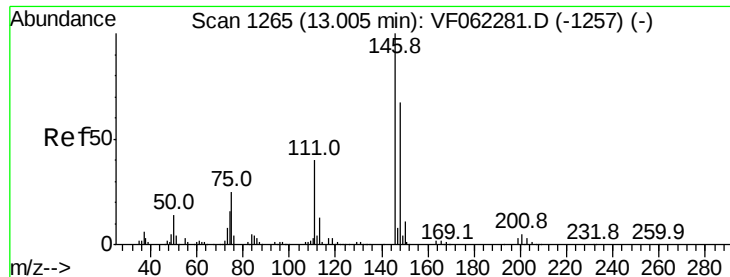
Tgt Ion: 117 Resp: 419204

Ion Ratio Lower Upper

117 100

201 90.1 42.9 128.5

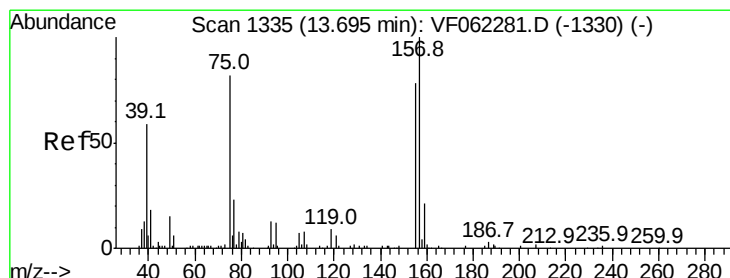
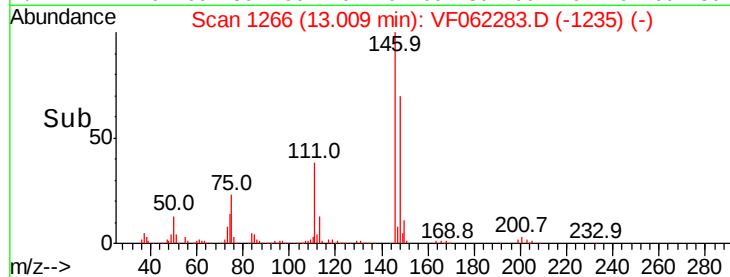
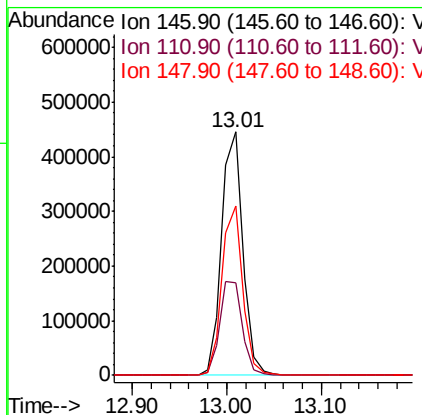
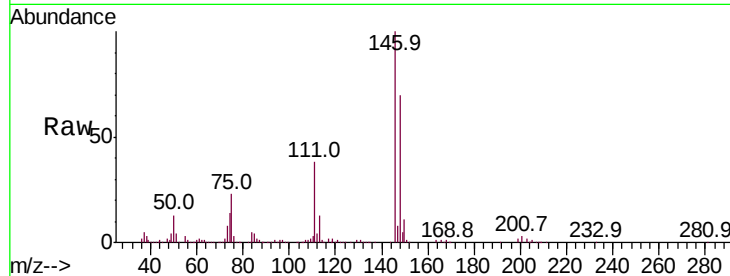




#91
 1,2-Dichlorobenzene
 Concen: 84.141 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

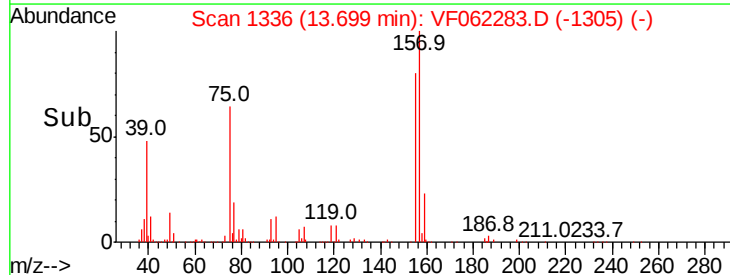
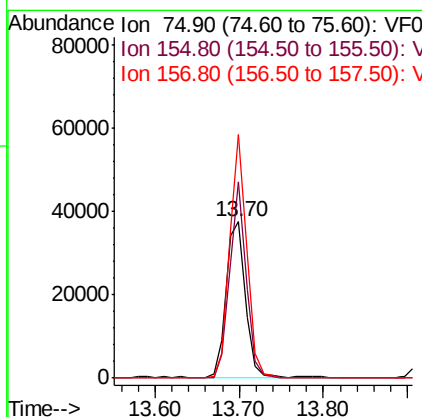
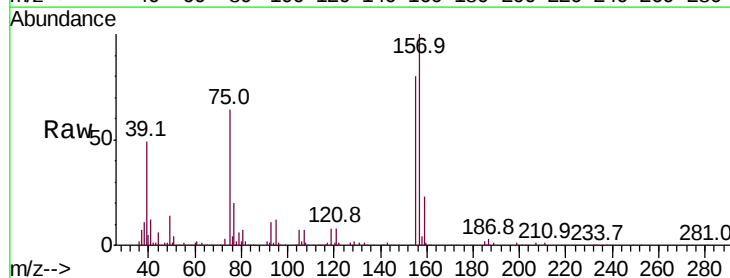
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

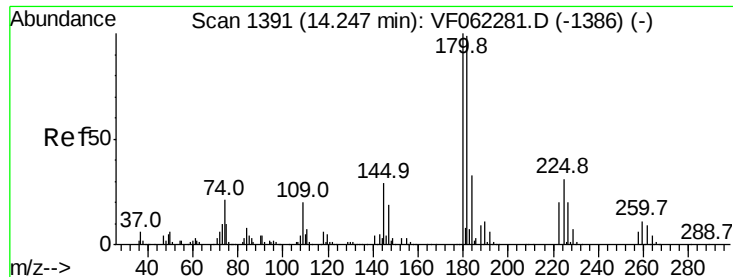
Tot Ion:146 Resp: 694211
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 59.9
 148 68.1 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.325 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion: 75 Resp: 60831
 Ion Ratio Lower Upper
 75 100
 155 104.9 51.7 155.2
 157 134.8 64.5 193.5

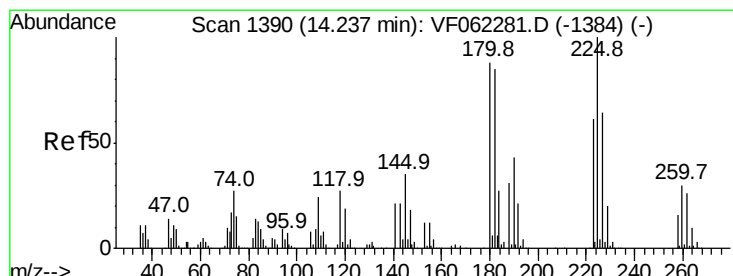
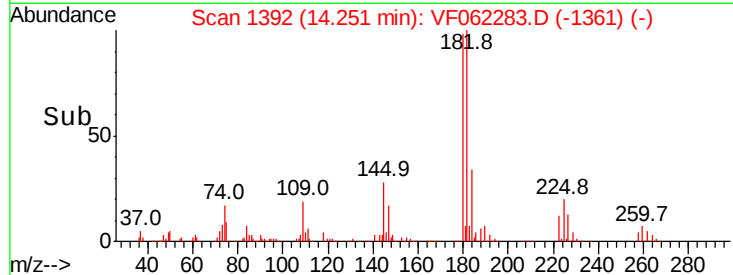
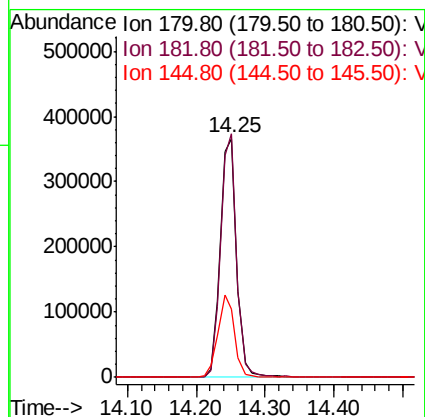
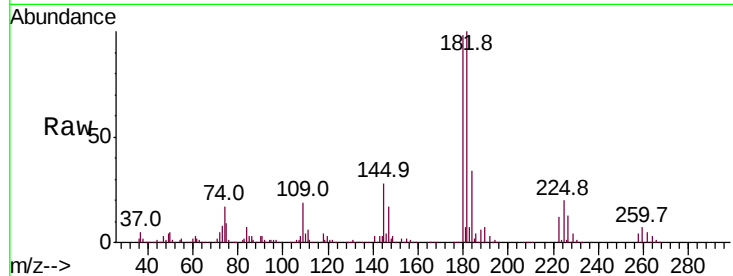




#93
 1,2,4-Trichlorobenzene
 Concen: 82.758 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

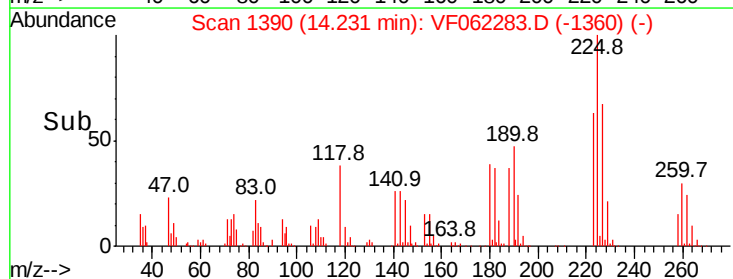
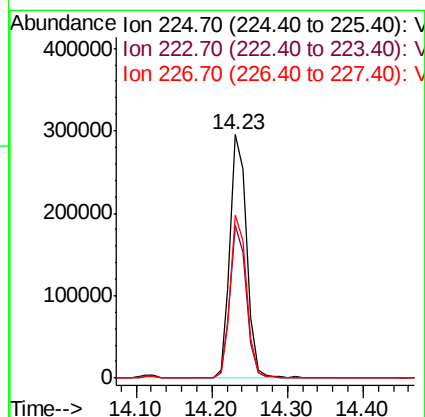
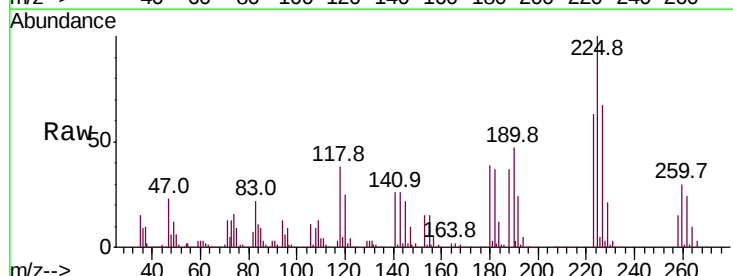
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

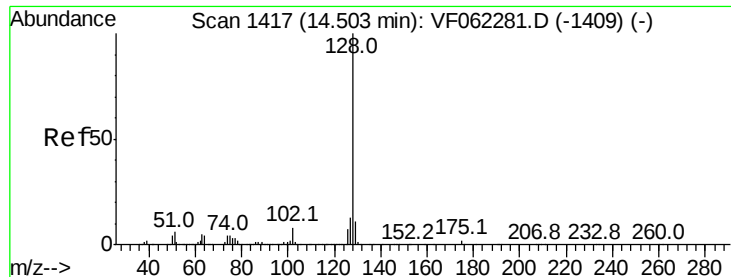
Tot Ion:180 Resp: 604969
 Ion Ratio Lower Upper
 180 100
 182 99.1 48.5 145.6
 145 34.8 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 87.088 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion:225 Resp: 451860
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.8 92.3
 227 65.4 31.9 95.5





#95

Naphthalene

Concen: 97.288 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

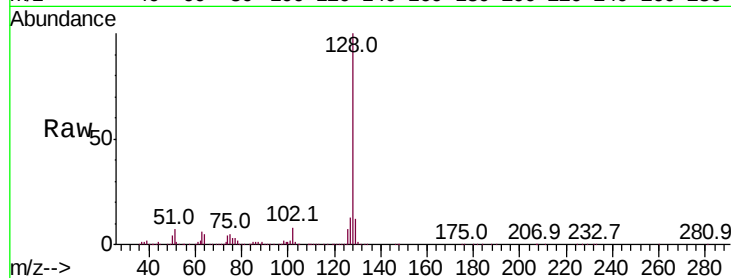
Tot Ion:128 Resp: 1055980

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.5	8.9	13.3

128 100

127 12.7 10.2 15.4

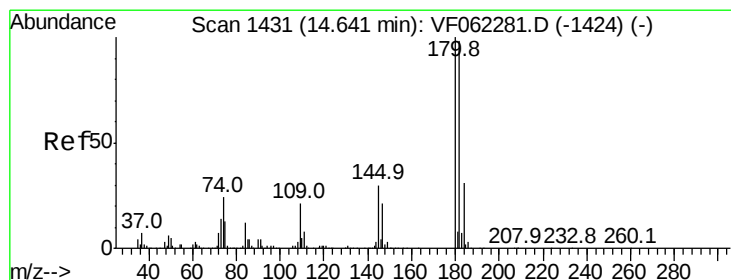
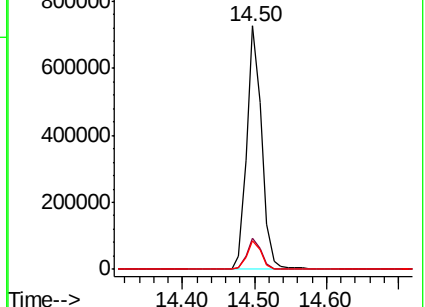
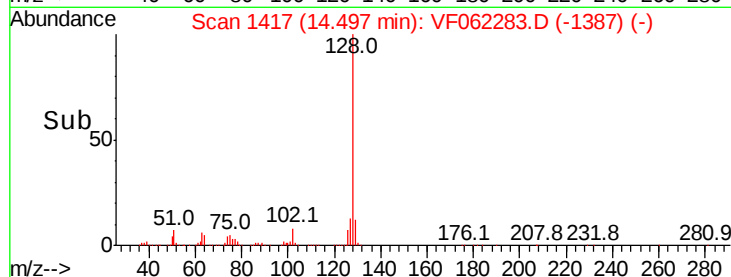
129 11.5 8.9 13.3



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: 91.392 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

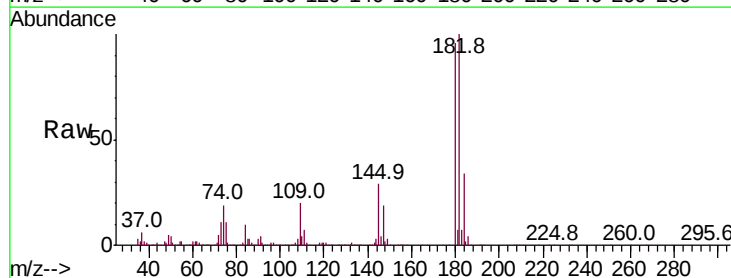
Tgt Ion:180 Resp: 614904

Ion	Ratio	Lower	Upper
180	100		
182	100.5	49.0	147.2
145	30.4	14.5	43.5

180 100

182 100.5 49.0 147.2

145 30.4 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

