

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062795.D
 Acq On : 30 May 2019 15:03
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: May 31 03:41:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	939856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1581234	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1214925	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	564858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	128602	18.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.92%	
35) Dibromofluoromethane	4.32	113	236471	19.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	7.72	98	619406	19.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.51	95	216870	19.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	266210	19.667	ug/l	96
3) Chloromethane	1.15	50	203471	19.172	ug/l	98
4) Vinyl Chloride	1.20	62	206963	20.241	ug/l	98
5) Bromomethane	1.42	94	100532	16.734	ug/l	95
6) Chloroethane	1.45	64	58035	14.888	ug/l	91
7) Trichlorofluoromethane	1.57	101	266810m	18.536	ug/l	
8) Diethyl Ether	1.72	74	51589	17.759	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.93	101	179835	19.249	ug/l	96
10) Methyl Iodide	2.00	142	345868	19.097	ug/l	97
11) Tert butyl alcohol	2.72	59	39012	93.799	ug/l #	90
12) 1,1-Dichloroethene	1.89	96	163833	19.900	ug/l	94
13) Acrolein	2.11	56	19116	119.316	ug/l #	62
14) Allyl chloride	2.20	41	108596	18.056	ug/l	91
15) Acrylonitrile	3.11	53	113622	73.521	ug/l #	93
16) Acetone	2.36	43	126306	80.067	ug/l #	90
17) Carbon Disulfide	1.93	76	458747	25.423	ug/l #	94
18) Methyl Acetate	2.48	43	56727	18.504	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	298893	19.988	ug/l	99
20) Methylene Chloride	2.36	84	155804m	16.774	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	151358	17.632	ug/l	95
22) Diisopropyl ether	2.95	45	340132	19.245	ug/l	94
23) Vinyl Acetate	3.37	43	1241819	95.439	ug/l	99
24) 1,1-Dichloroethane	3.03	63	249526	18.624	ug/l	97
25) 2-Butanone	4.55	43	353095	94.227	ug/l	100
26) 2,2-Dichloropropane	3.80	77	148347	18.729	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	262428	18.933	ug/l	94
28) Bromochloromethane	3.92	49	145699	19.155	ug/l	94
29) Tetrahydrofuran	4.29	42	143233	103.460	ug/l	99
30) Chloroform	4.07	83	380449	19.415	ug/l	93
31) Cyclohexane	3.89	56	347347m	18.652	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	199529	18.416	ug/l	94
36) 1,1-Dichloropropene	4.49	75	301237	19.541	ug/l	99
37) Ethyl Acetate	4.32	43	118133	19.015	ug/l	98
38) Carbon Tetrachloride	4.20	117	199650	19.352	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	346727	18.448	ug/l	97
40) Benzene	4.84	78	864722	19.013	ug/l	96
41) Methacrylonitrile	4.96	41	65152	19.308	ug/l #	81
42) 1,2-Dichloroethane	5.15	62	172310	20.385	ug/l	94
43) Isopropyl Acetate	7.13	43	150296	19.519	ug/l #	96
44) Trichloroethene	5.70	130	242240	19.012	ug/l	95
45) 1,2-Dichloropropane	6.42	63	211790	18.912	ug/l	100
46) Dibromomethane	6.28	93	119773	18.398	ug/l	95
47) Bromodichloromethane	6.57	83	252244	19.020	ug/l	97
48) Methyl methacrylate	6.90	41	75694	19.284	ug/l	98
49) 1,4-Dioxane	6.89	88	19004	401.418	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	563916	95.213	ug/l	94
52) Toluene	7.79	92	460484	19.345	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	208417	18.984	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	313730	19.744	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	136043	18.670	ug/l	93
56) Ethyl methacrylate	8.78	69	149427	19.991	ug/l	96
57) 1,3-Dichloropropane	9.01	76	239425	20.196	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	258105	97.503	ug/l	93
59) 2-Hexanone	9.64	43	412608	99.570	ug/l	100
60) Dibromochloromethane	8.88	129	174822	19.889	ug/l	95
61) 1,2-Dibromoethane	9.15	107	148026	20.570	ug/l	95
64) Tetrachloroethene	8.32	164	184298	18.180	ug/l	97
65) Chlorobenzene	9.95	112	480205	19.492	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	196778	20.448	ug/l	99
67) Ethyl Benzene	10.05	91	870656	20.275	ug/l	98
68) m/p-Xylenes	10.28	106	639645	39.925	ug/l	87
69) o-Xylene	10.83	106	313453	19.301	ug/l	85
70) Styrene	10.91	104	470338	19.697	ug/l	96
71) Bromoform	10.89	173	91763	19.612	ug/l #	96
73) Isopropylbenzene	11.22	105	797233	18.656	ug/l	96
74) N-amyl acetate	11.46	43	234169	19.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	182488	19.763	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	116962	19.695	ug/l	97
77) Bromobenzene	11.59	156	204641	19.554	ug/l	74
78) n-propylbenzene	11.69	91	1027110	19.367	ug/l	95
79) 2-Chlorotoluene	11.80	91	575511	19.811	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	684523	19.649	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	52096m	16.798	ug/l	
82) 4-Chlorotoluene	11.98	91	567065	19.696	ug/l	93
83) tert-Butylbenzene	12.21	119	682358	20.165	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	646223	19.433	ug/l	92
85) sec-Butylbenzene	12.38	105	886145	19.165	ug/l	91
86) p-Isopropyltoluene	12.52	119	735694	19.340	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	369413	19.659	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	326478	18.636	ug/l	98
89) n-Butylbenzene	12.91	91	752833	19.199	ug/l	89
90) Hexachloroethane	12.99	117	173880	19.252	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	307093	18.613	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	18978	19.309	ug/l	82

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Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
Response via : Initial Calibration

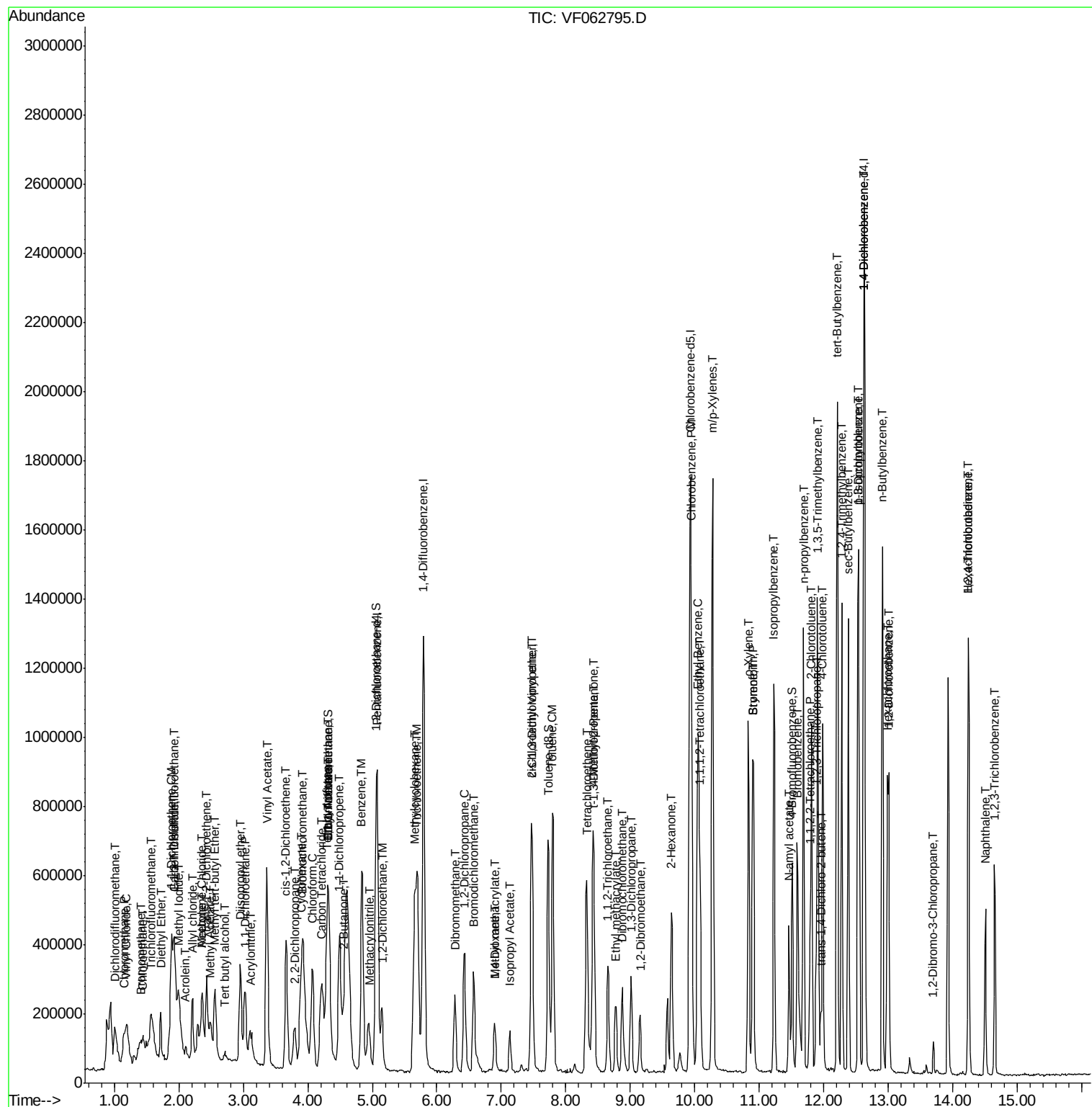
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	206158	18.412	ug/l	96
94) Hexachlorobutadiene	14.24	225	135723	17.641	ug/l	97
95) Naphthalene	14.51	128	341516	19.203	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	185053	18.669	ug/l	97

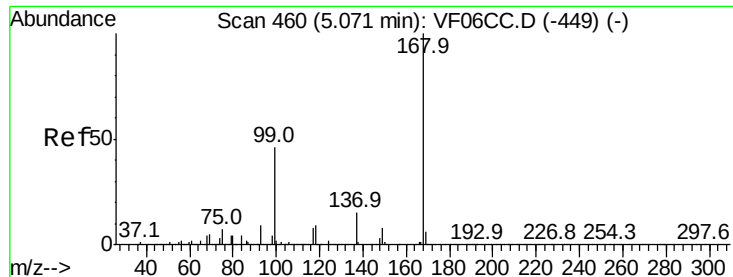
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

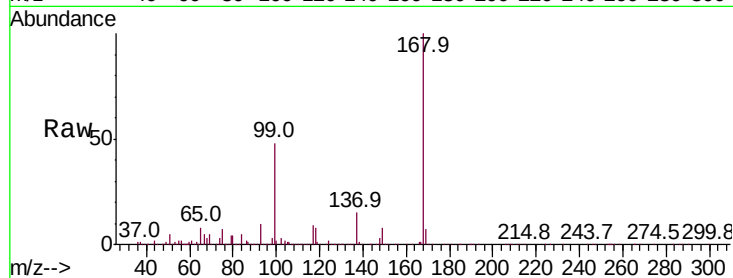
VSTDIC020

Tot Ion:168 Resp: 939856

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

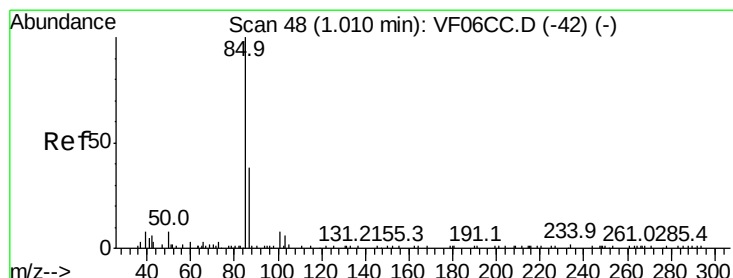
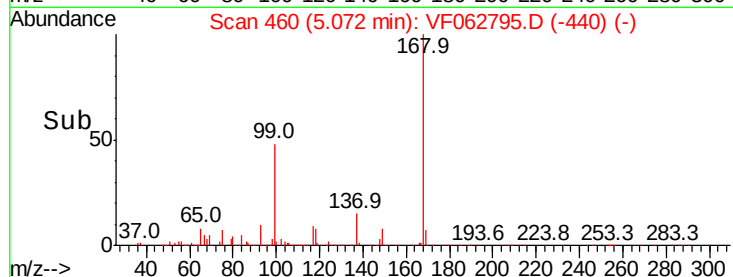
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.667 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062795.D

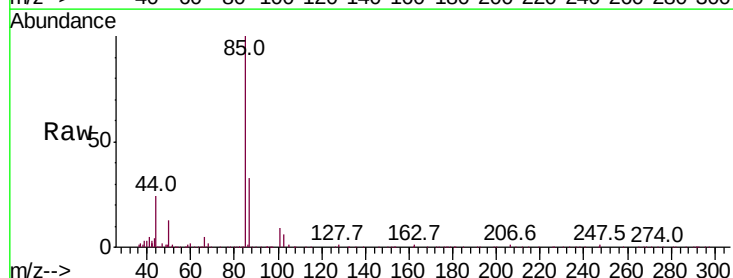
Acq: 30 May 2019 15:03

Tgt Ion: 85 Resp: 266210

Ion Ratio Lower Upper

85 100

87 32.9 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

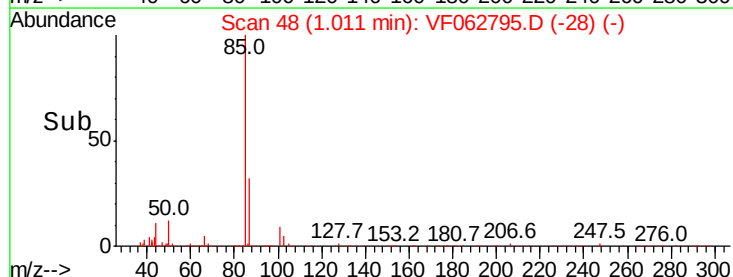
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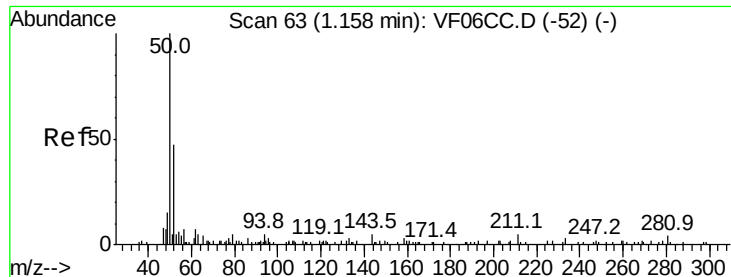
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.172 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

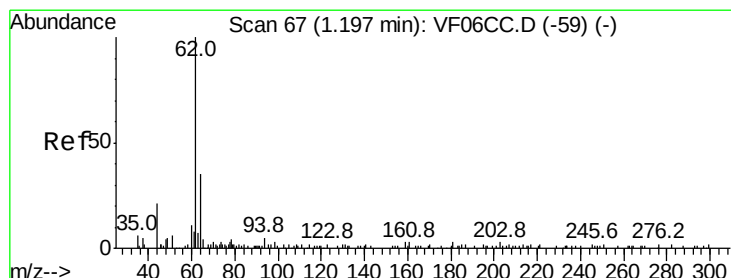
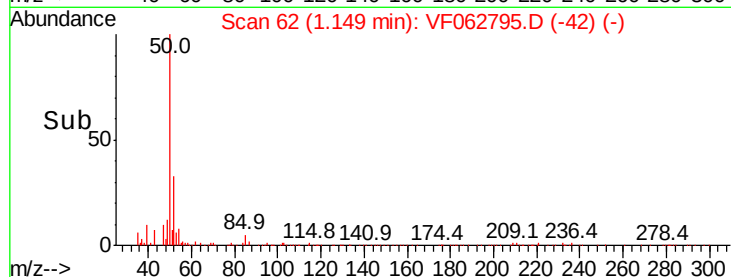
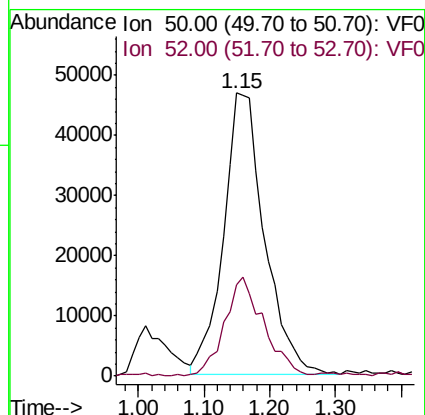
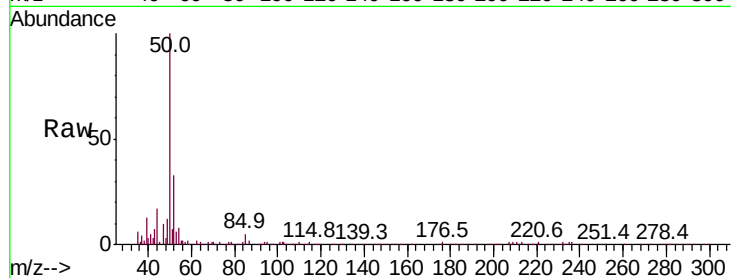
VSTDIC020

Tot Ion: 50 Resp: 203471

Ion Ratio Lower Upper

50 100

52 32.5 27.0 40.4



#4

Vinyl Chloride

Concen: 20.241 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062795.D

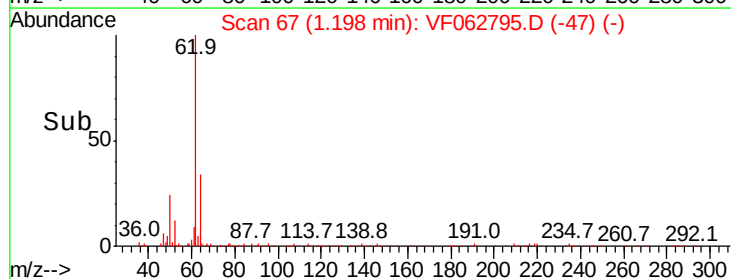
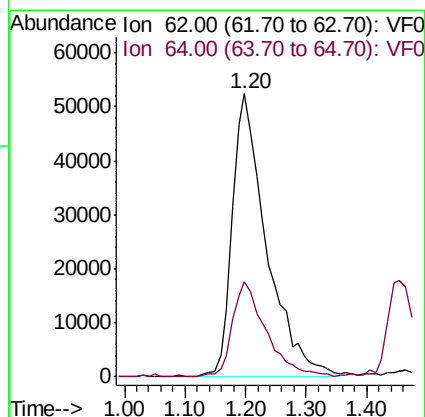
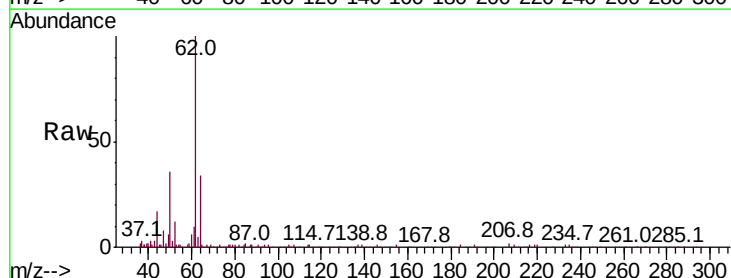
Acq: 30 May 2019 15:03

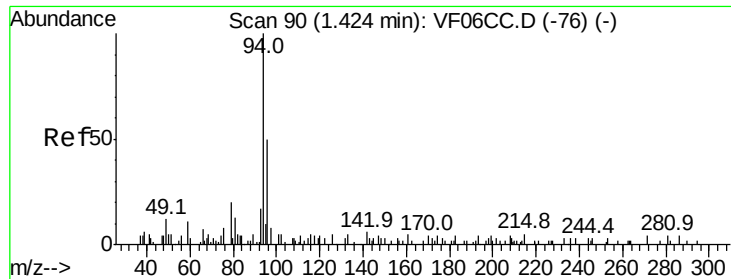
Tgt Ion: 62 Resp: 206963

Ion Ratio Lower Upper

62 100

64 33.8 26.2 39.2

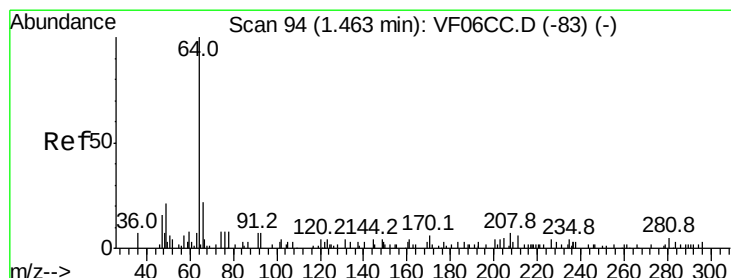
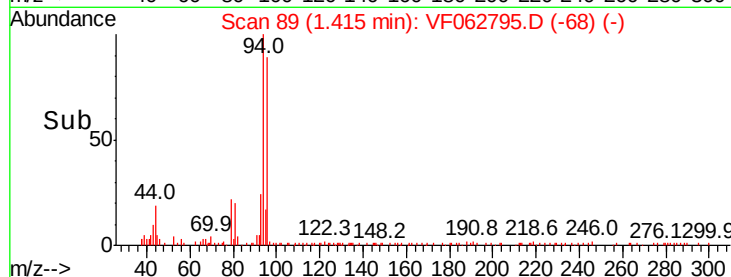
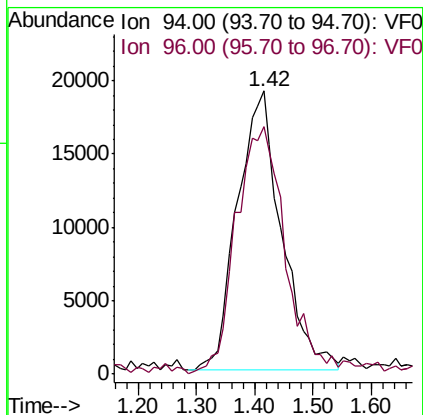
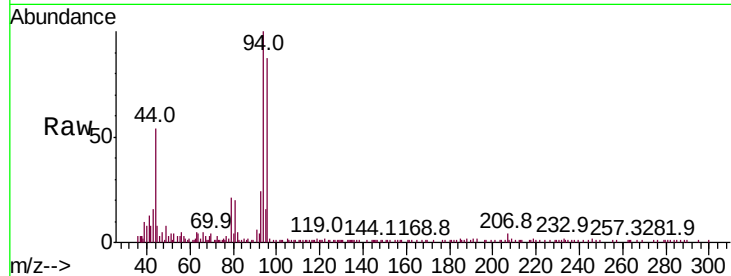




#5
Bromomethane
Concen: 16.734 ug/l
RT: 1.42 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

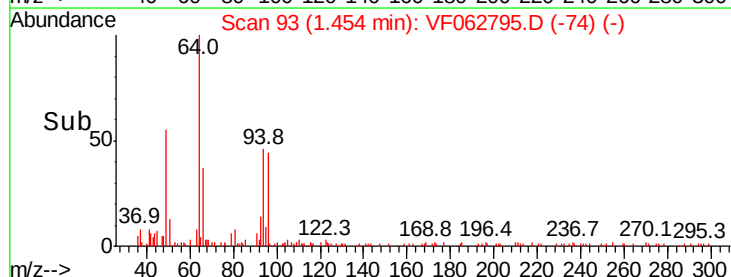
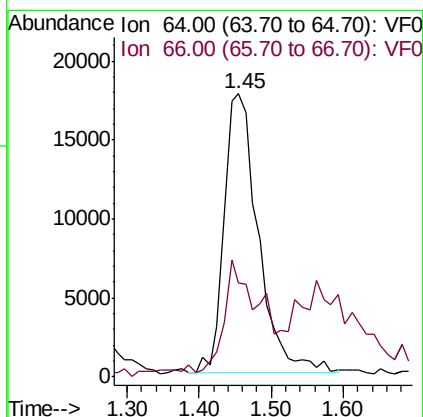
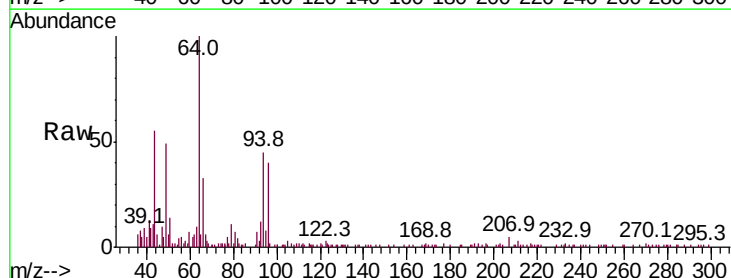
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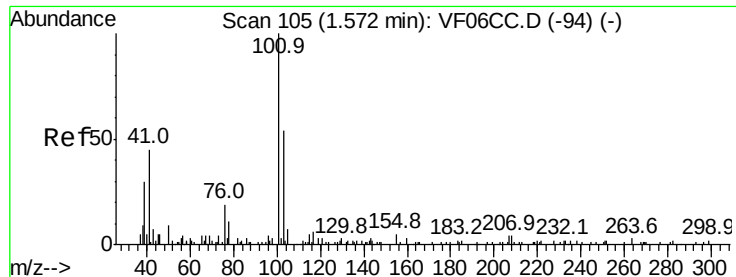
Tot Ion: 94 Resp: 100532
Ion Ratio Lower Upper
94 100
96 87.3 73.8 110.6



#6
Chloroethane
Concen: 14.888 ug/l
RT: 1.45 min Scan# 93
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 64 Resp: 58035
Ion Ratio Lower Upper
64 100
66 33.2 31.0 46.4



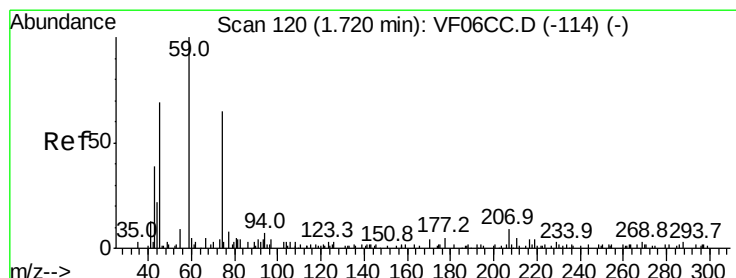
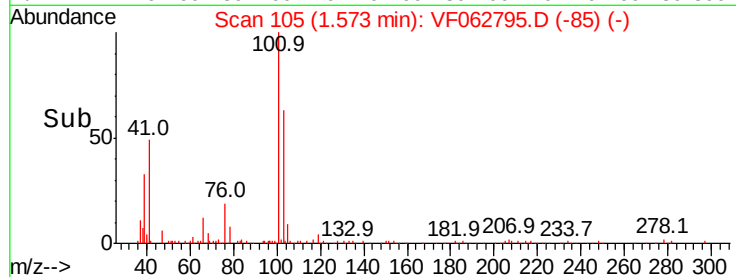
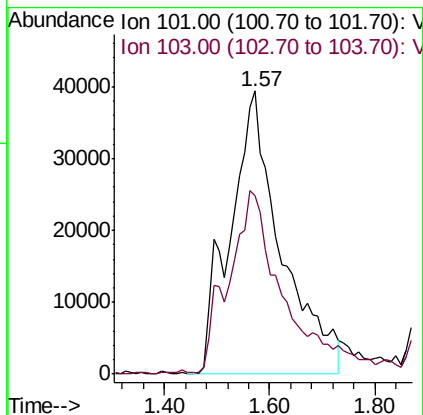
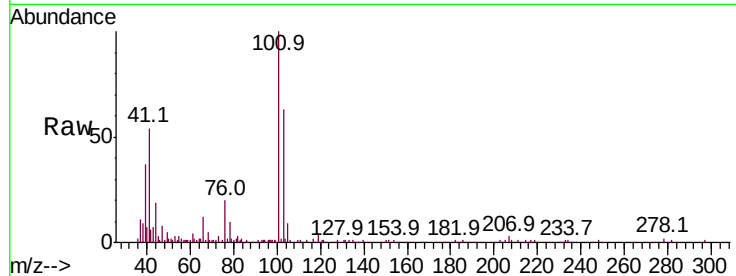


#7

Trichlorofluoromethane
Concen: 18.536 ug/l m
RT: 1.57 min Scan# 105
Delta R.T. -0.00 min
Lab File: VF062795.D
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Instrument :
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ClientSampleId :
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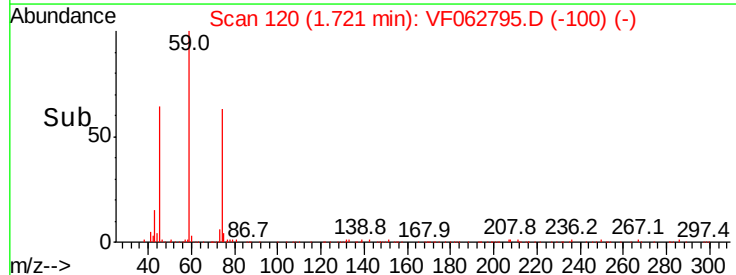
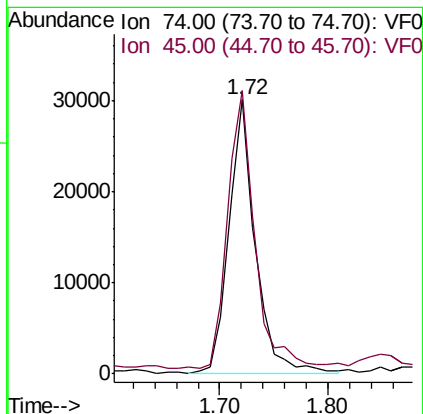
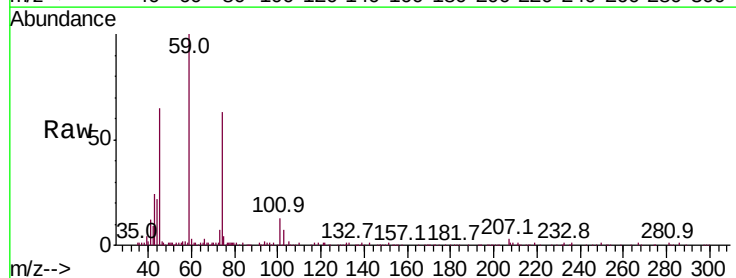
Tot Ion:101 Resp: 266810
Ion Ratio Lower Upper
101 100
103 63.1 54.6 82.0

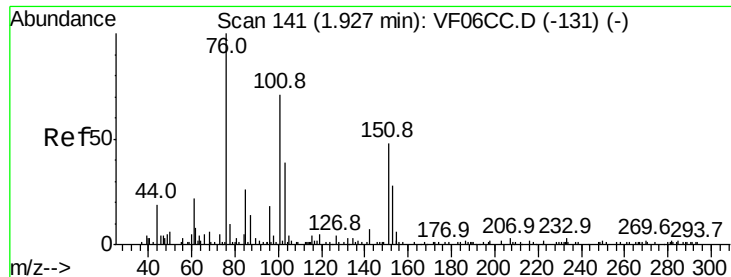


#8

Diethyl Ether
Concen: 17.759 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 74 Resp: 51589
Ion Ratio Lower Upper
74 100
45 103.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.249 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

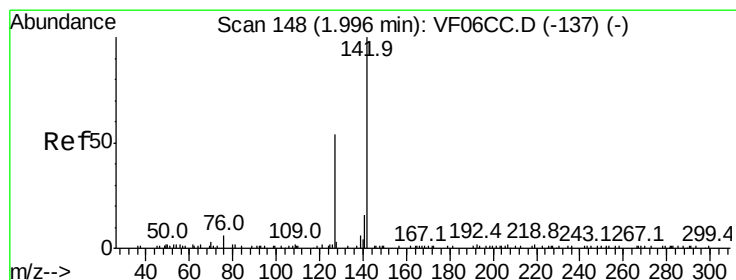
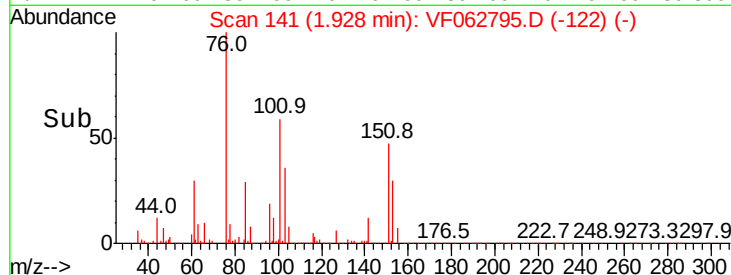
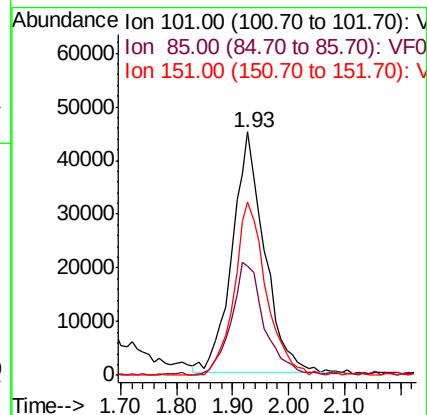
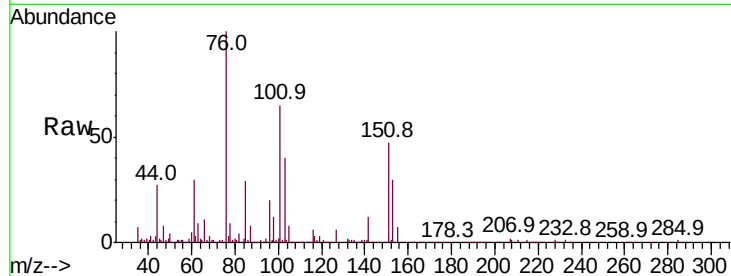
Tot Ion:101 Resp: 179835

Ion Ratio Lower Upper

101 100

85 44.9 37.1 55.7

151 71.3 60.3 90.5



#10

Methyl Iodide

Concen: 19.097 ug/l

RT: 2.00 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

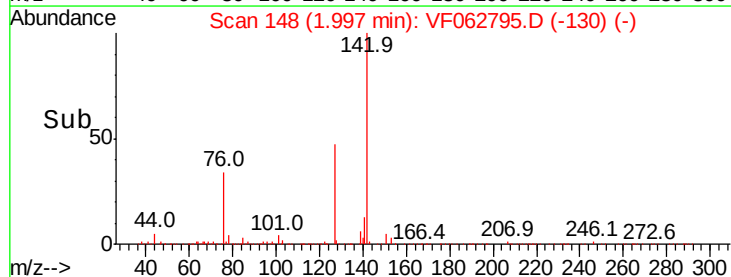
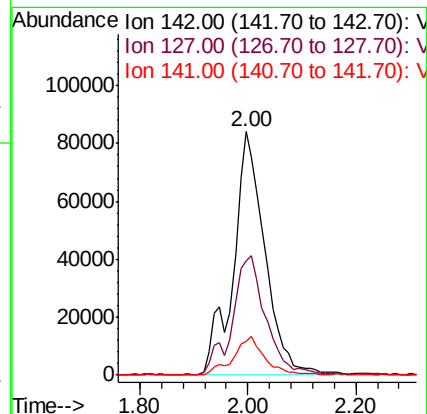
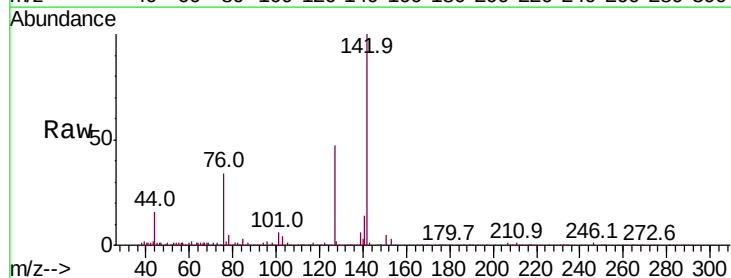
Tgt Ion:142 Resp: 345868

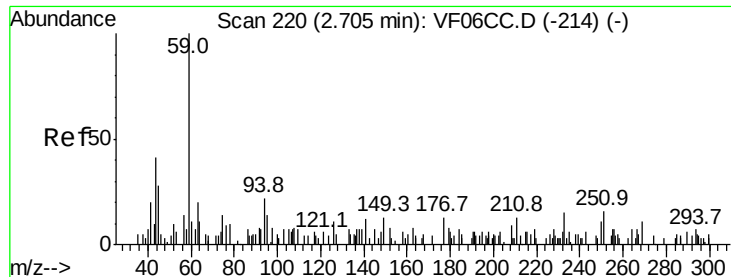
Ion Ratio Lower Upper

142 100

127 47.0 39.4 59.2

141 13.6 10.6 15.8



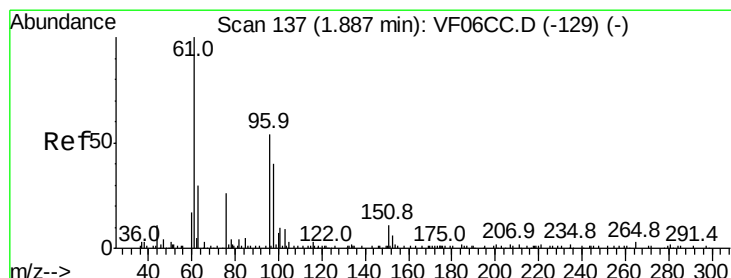
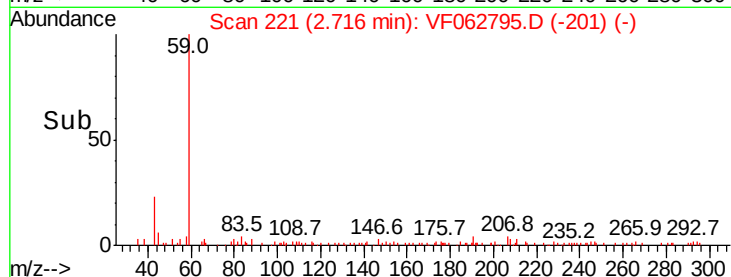
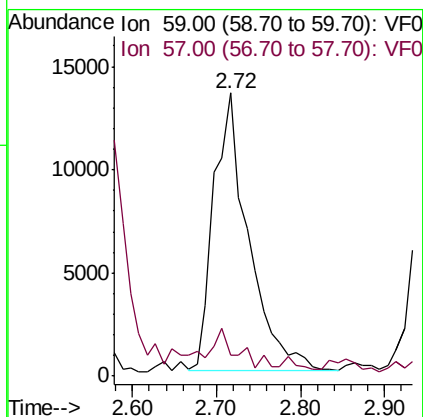
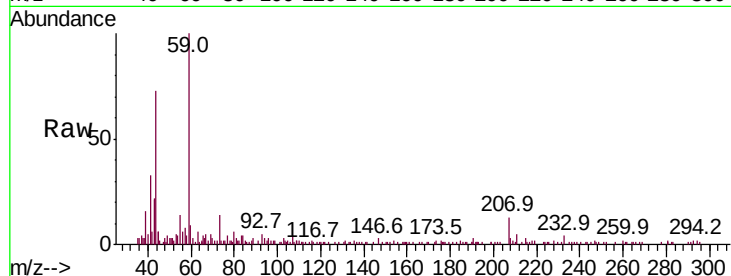


#11

Tert butyl alcohol
Concen: 93.799 ug/l
RT: 2.72 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

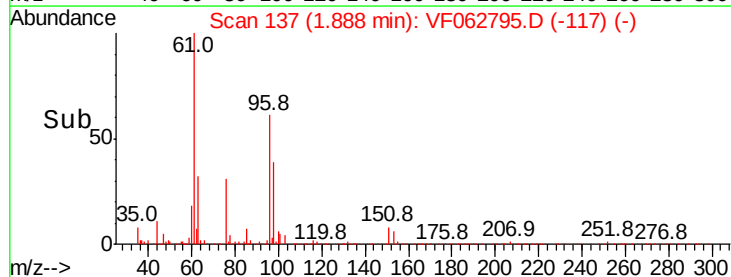
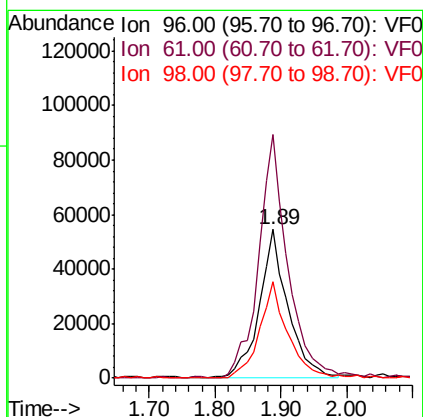
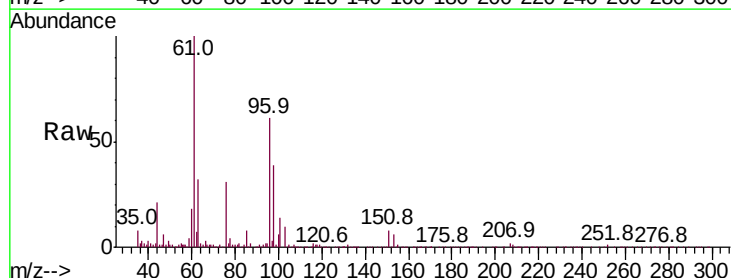
Tot Ion: 59 Resp: 39012
Ion Ratio Lower Upper
59 100
57 7.6 9.2 13.8#

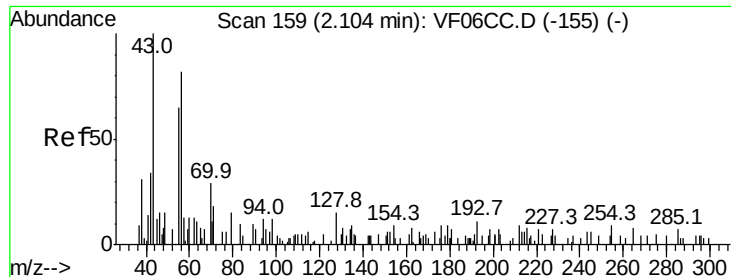


#12

1,1-Dichloroethene
Concen: 19.900 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 96 Resp: 163833
Ion Ratio Lower Upper
96 100
61 163.6 139.4 209.2
98 64.6 50.3 75.5





#13

Acrolein

Concen: 119.316 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

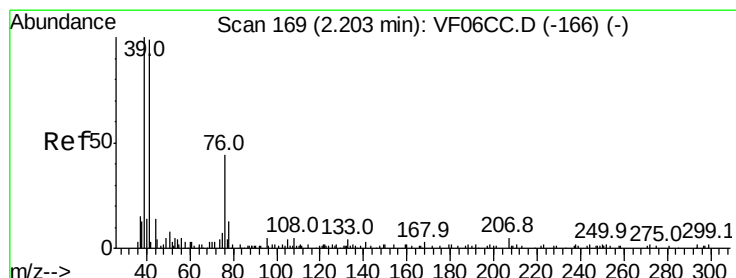
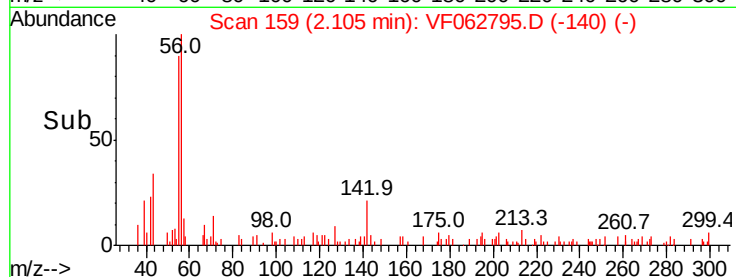
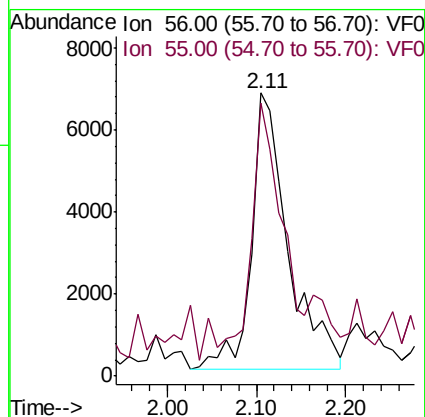
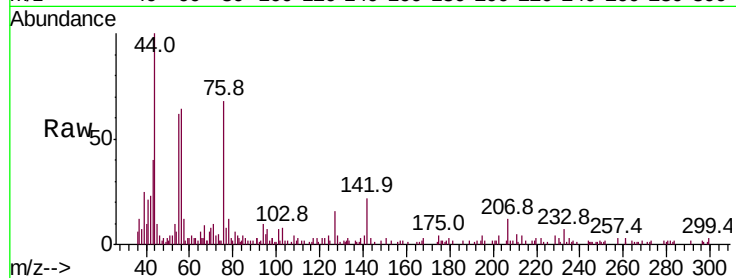
VSTDIC020

Tot Ion: 56 Resp: 19116

Ion Ratio Lower Upper

56 100

55 96.6 52.9 79.3#



#14

Allyl chloride

Concen: 18.056 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

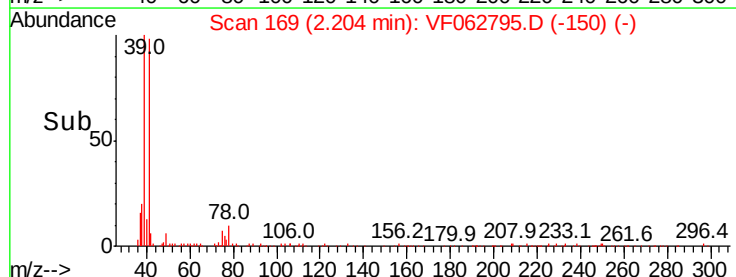
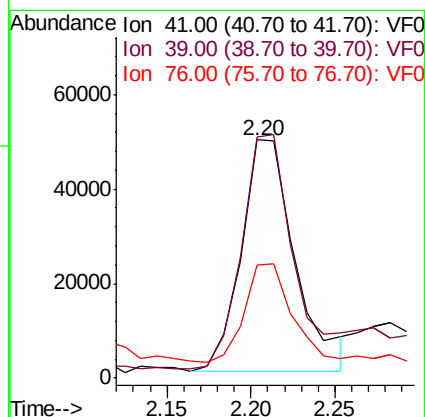
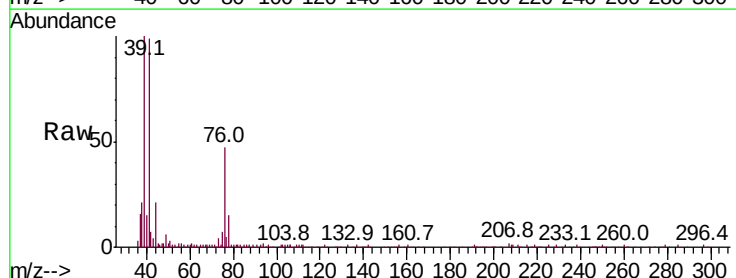
Tgt Ion: 41 Resp: 108596

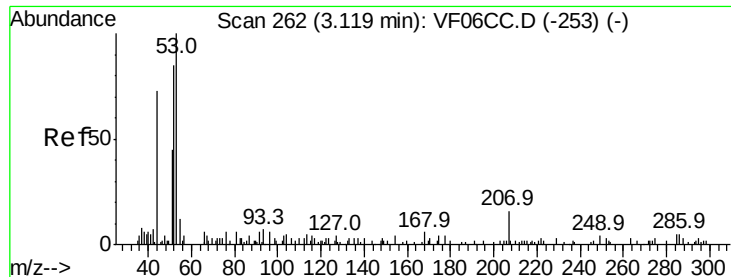
Ion Ratio Lower Upper

41 100

39 101.4 71.9 107.9

76 47.8 39.6 59.4





#15

Acrylonitrile

Concen: 73.521 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

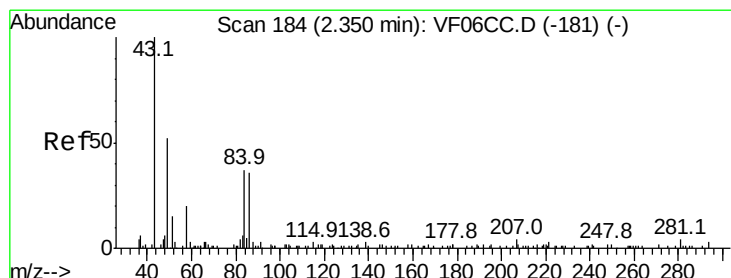
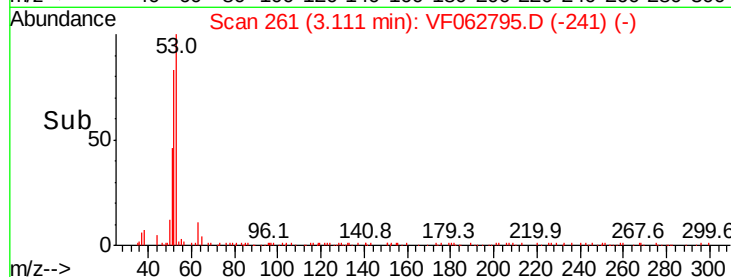
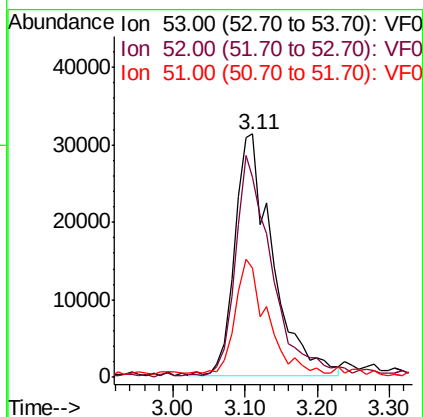
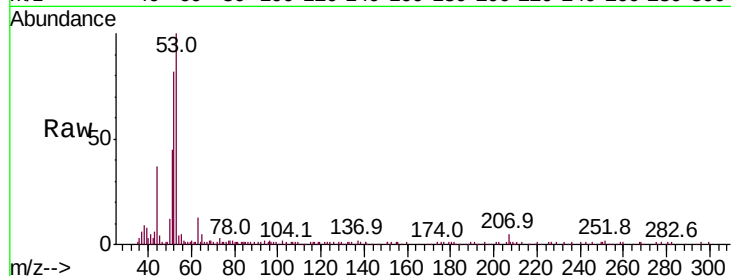
Tot Ion: 53 Resp: 113622

Ion Ratio Lower Upper

53 100

52 82.3 68.1 102.1

51 44.9 27.7 41.5#



#16

Acetone

Concen: 80.067 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062795.D

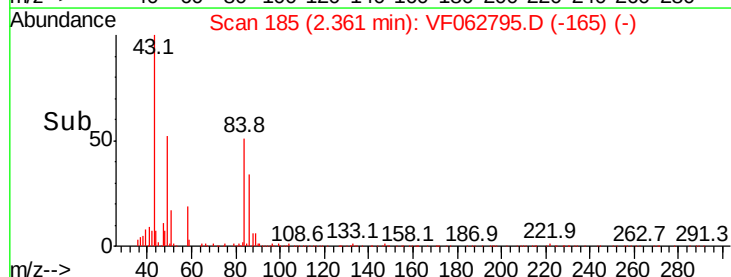
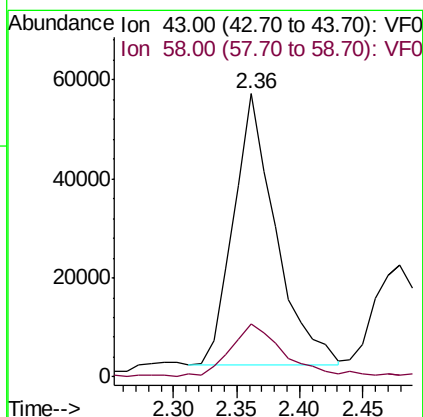
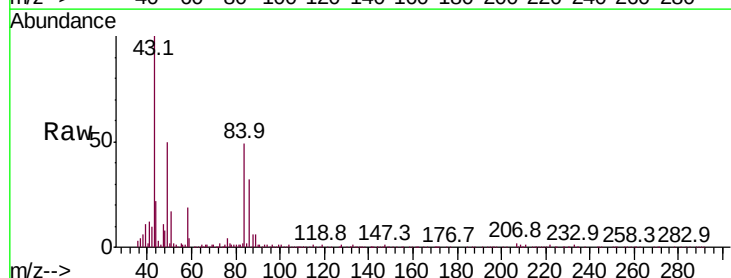
Acq: 30 May 2019 15:03

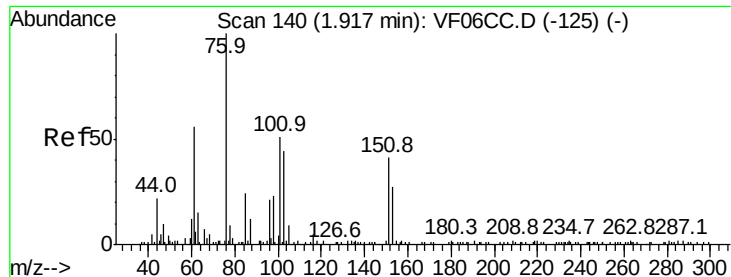
Tgt Ion: 43 Resp: 126306

Ion Ratio Lower Upper

43 100

58 18.9 19.0 28.4#





#17

Carbon Disulfide

Concen: 25.423 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

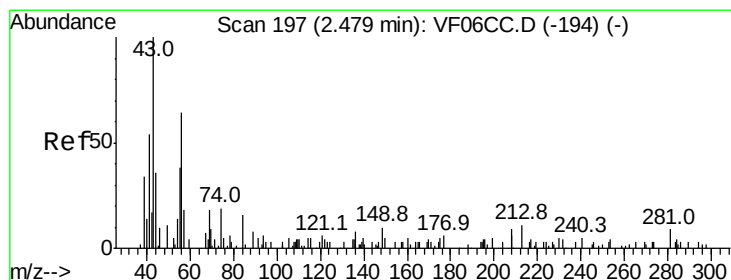
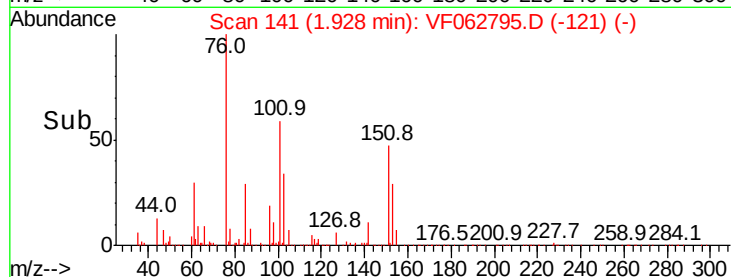
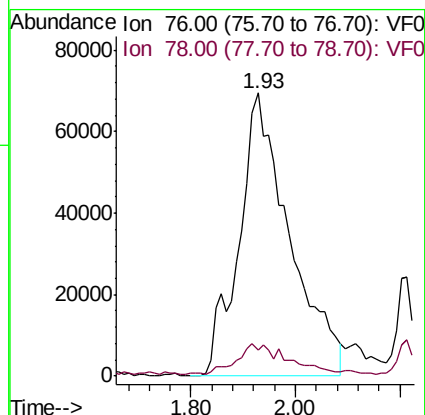
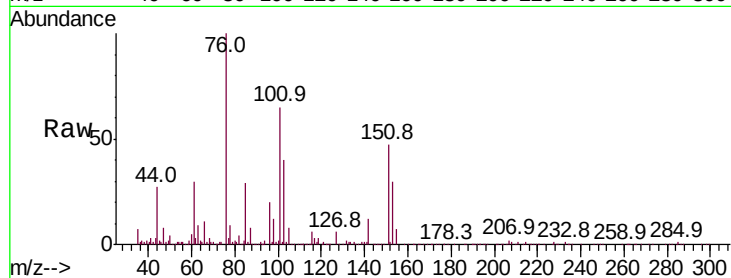
VSTDIC020

Tot Ion: 76 Resp: 458747

Ion Ratio Lower Upper

76 100

78 9.4 9.4 14.2#



#18

Methyl Acetate

Concen: 18.504 ug/l

RT: 2.48 min Scan# 197

Delta R.T. -0.00 min

Lab File: VF062795.D

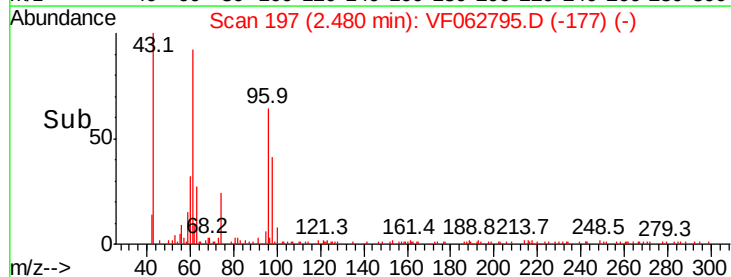
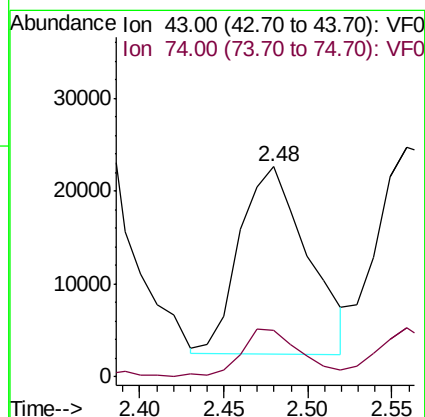
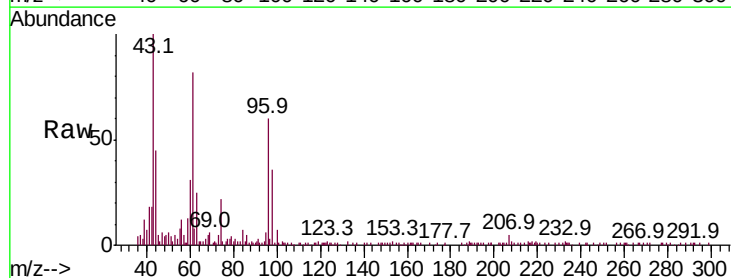
Acq: 30 May 2019 15:03

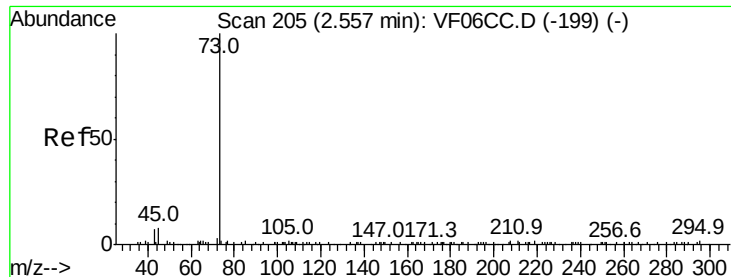
Tgt Ion: 43 Resp: 56727

Ion Ratio Lower Upper

43 100

74 22.2 22.1 33.1

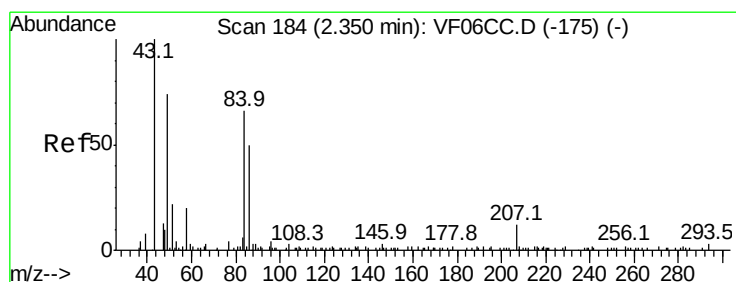
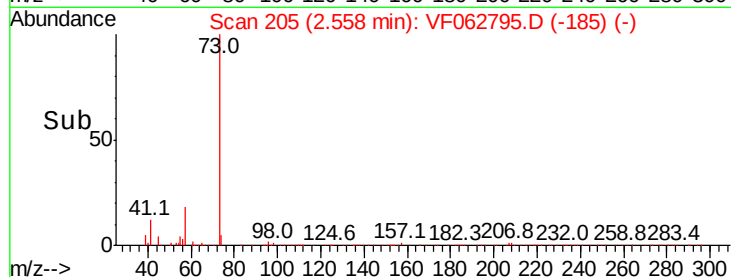
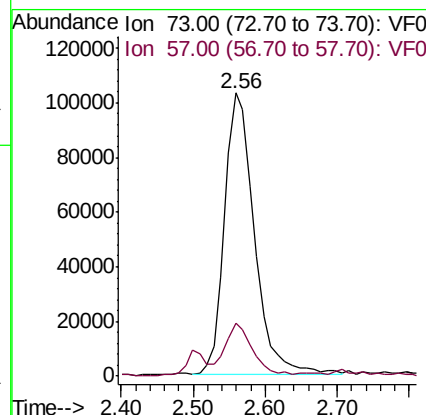
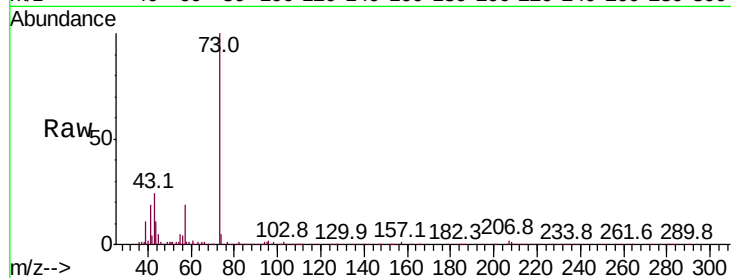




#19
Methyl tert-butyl Ether
Concen: 19.988 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

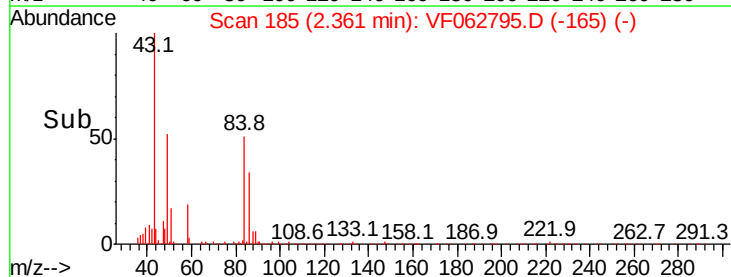
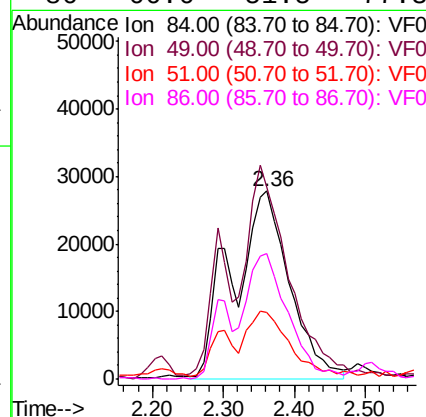
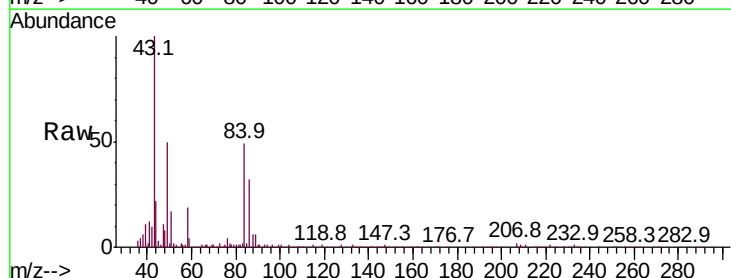
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

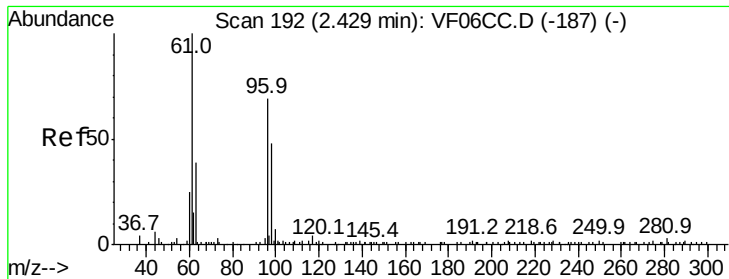
Tot Ion: 73 Resp: 298893
Ion Ratio Lower Upper
73 100
57 18.5 15.1 22.7



#20
Methylene Chloride
Concen: 16.774 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 84 Resp: 155804
Ion Ratio Lower Upper
84 100
49 102.2 82.6 123.8
51 35.6 25.0 37.4
86 66.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 17.632 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

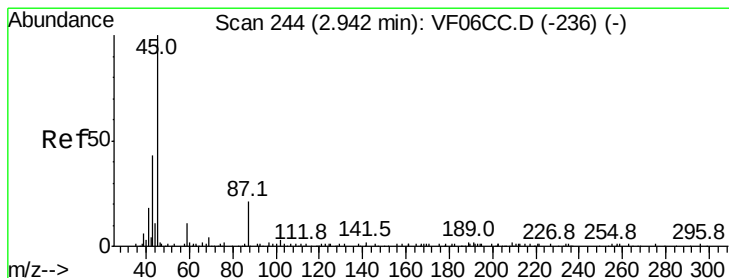
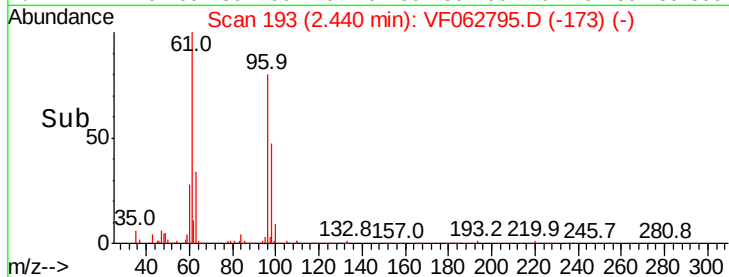
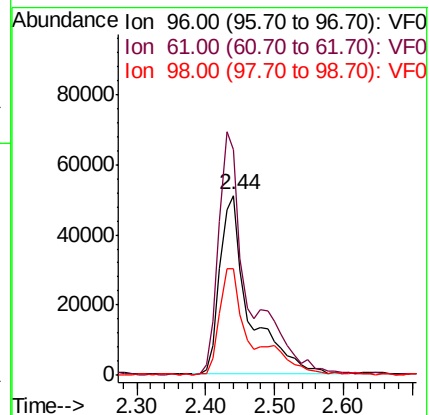
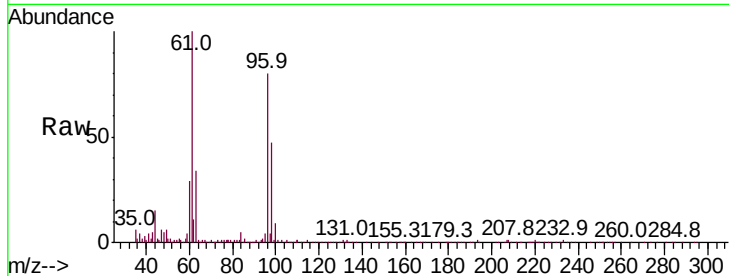
Tot Ion: 96 Resp: 151358

Ion Ratio Lower Upper

96 100

61 125.6 105.0 157.6

98 59.2 51.1 76.7



#22

Diisopropyl ether

Concen: 19.245 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion: 45 Resp: 340132

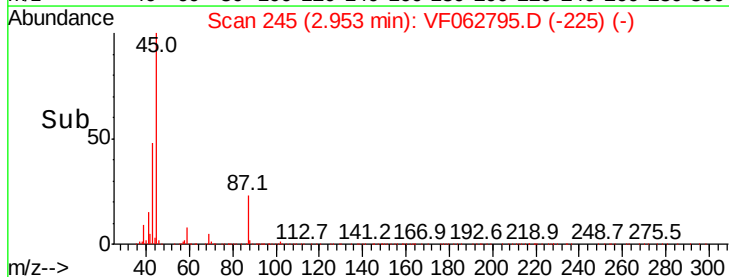
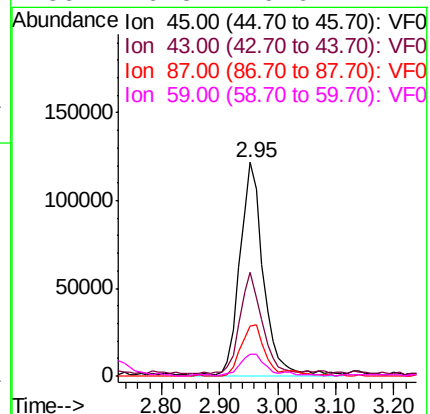
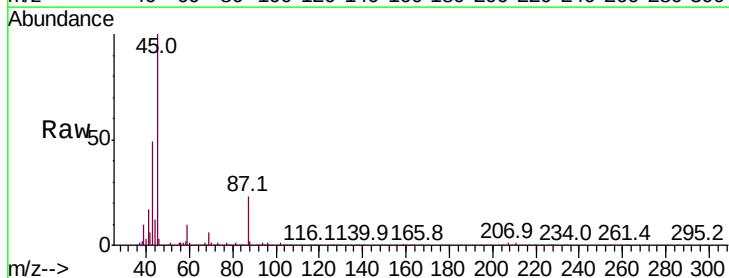
Ion Ratio Lower Upper

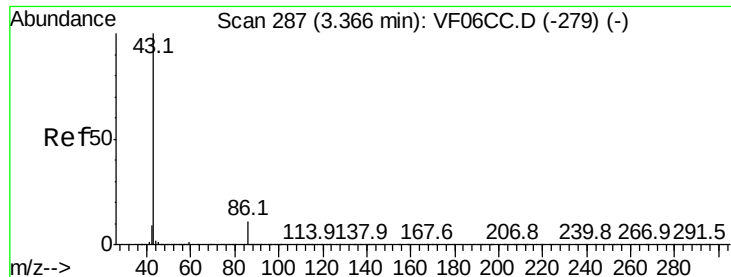
45 100

43 48.7 34.3 51.5

87 23.3 19.0 28.4

59 10.3 9.6 14.4





#23

Vinyl Acetate

Concen: 95.439 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

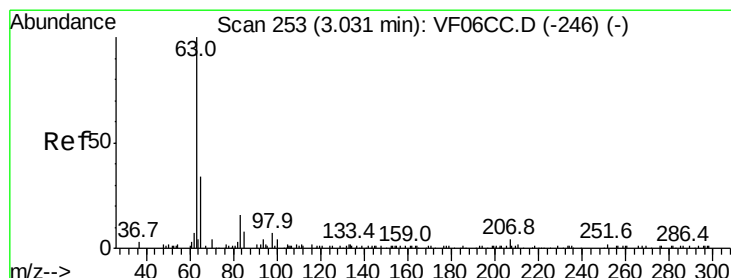
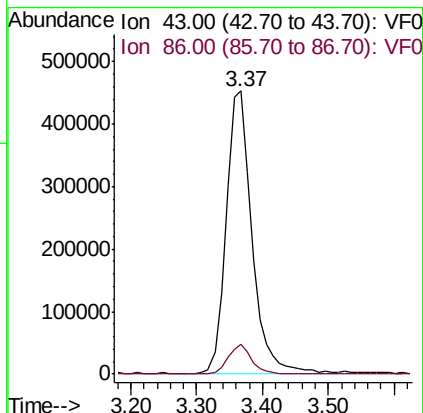
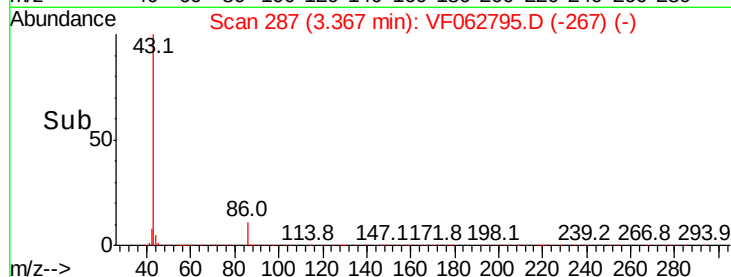
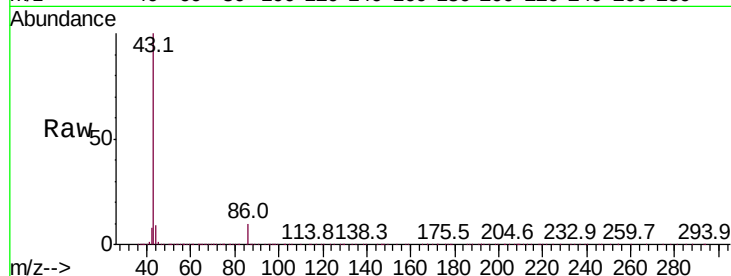
VSTDIC020

Tot Ion: 43 Resp: 1241819

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 18.624 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

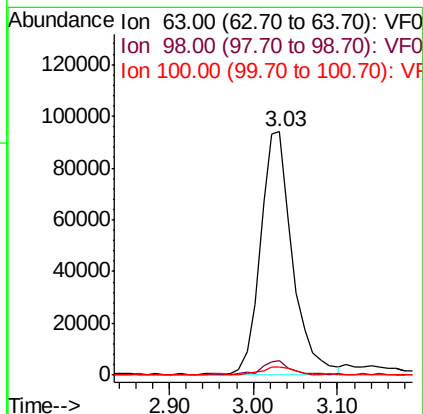
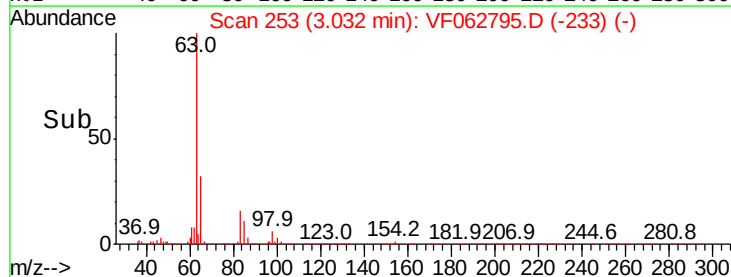
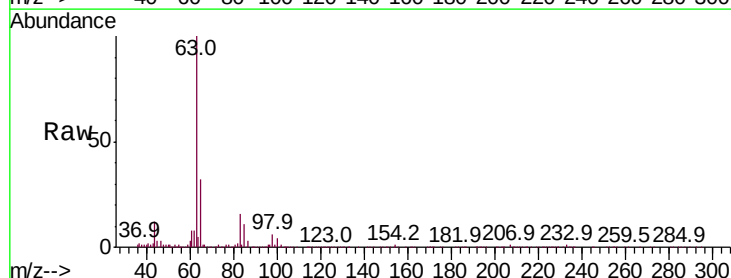
Tgt Ion: 63 Resp: 249526

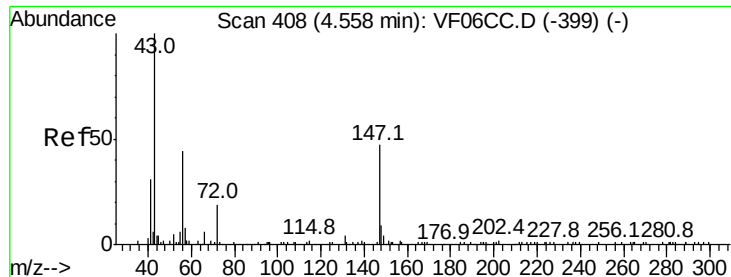
Ion Ratio Lower Upper

63 100

98 5.9 2.4 7.1

100 3.5 1.5 4.5

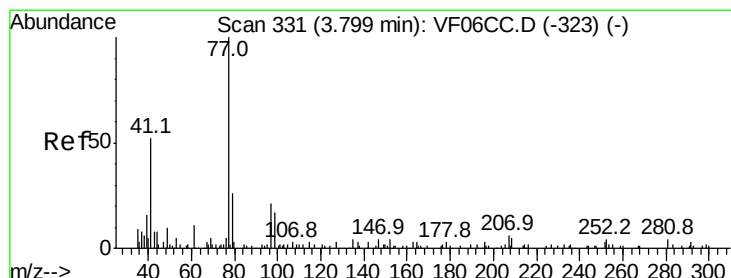
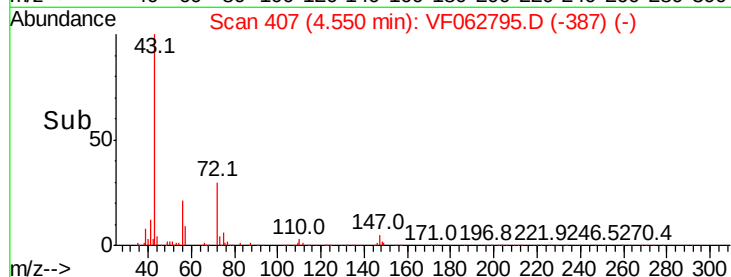
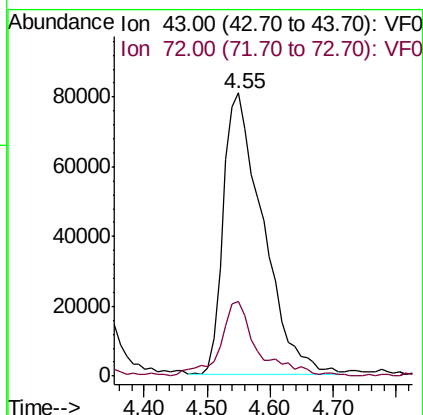
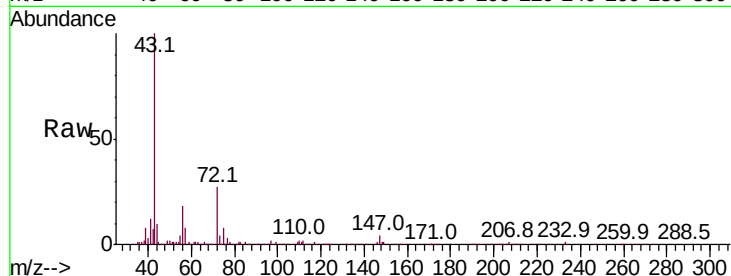




#25
2-Butanone
Concen: 94.227 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

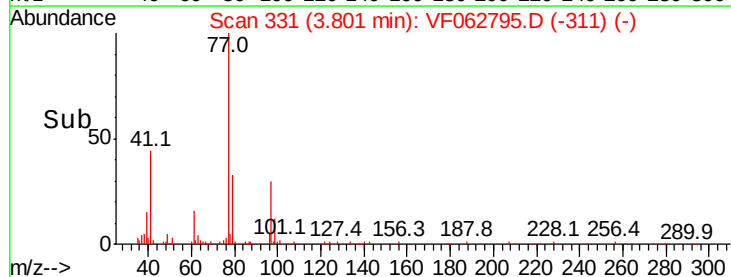
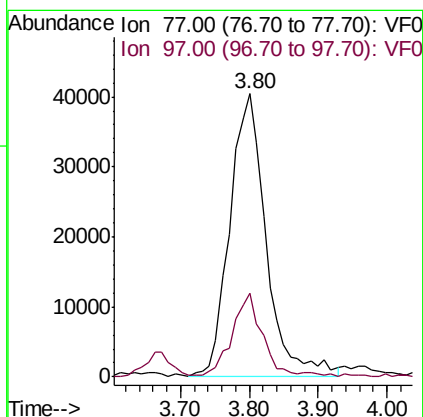
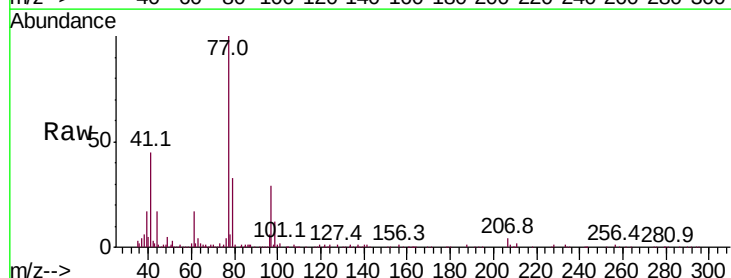
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

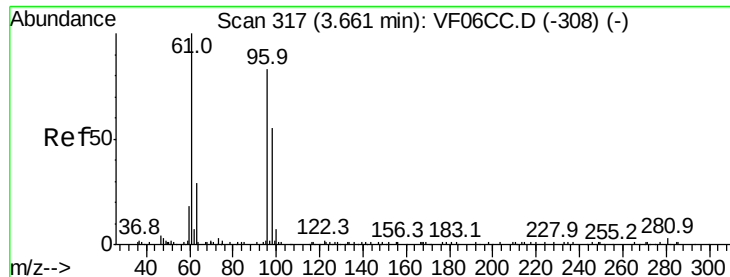
Tot Ion: 43 Resp: 353095
Ion Ratio Lower Upper
43 100
72 26.6 21.4 32.0



#26
2,2-Dichloropropane
Concen: 18.729 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 77 Resp: 148347
Ion Ratio Lower Upper
77 100
97 29.5 12.4 37.4



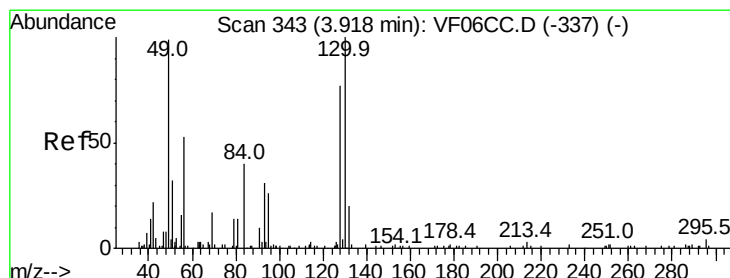
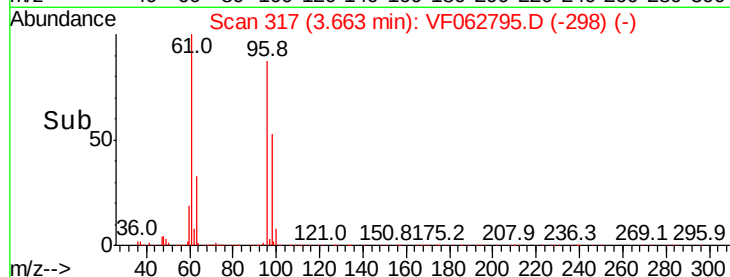
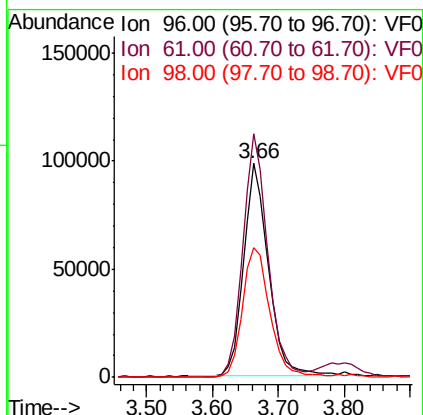
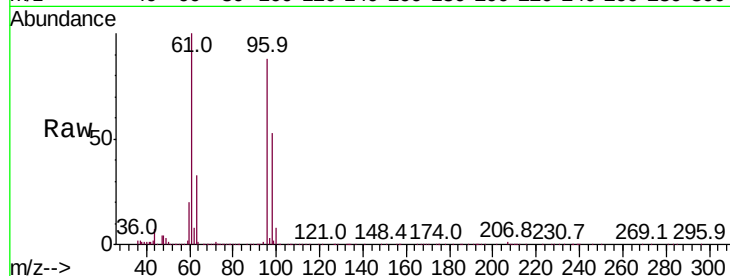


#27

cis-1,2-Dichloroethene
Concen: 18.933 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

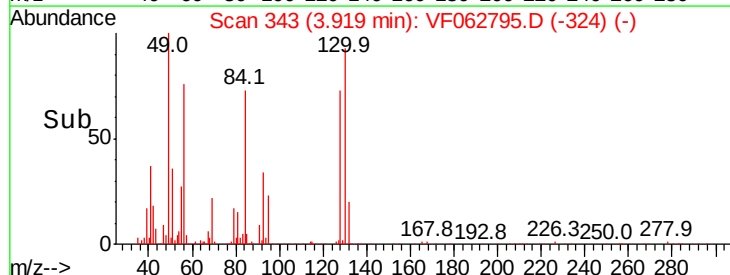
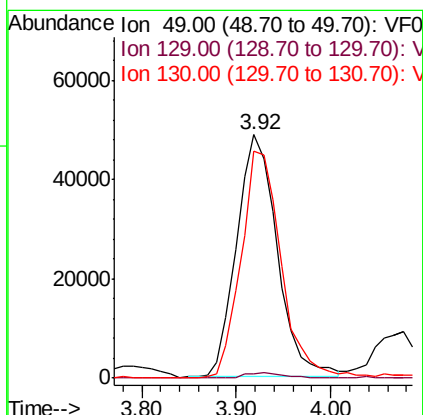
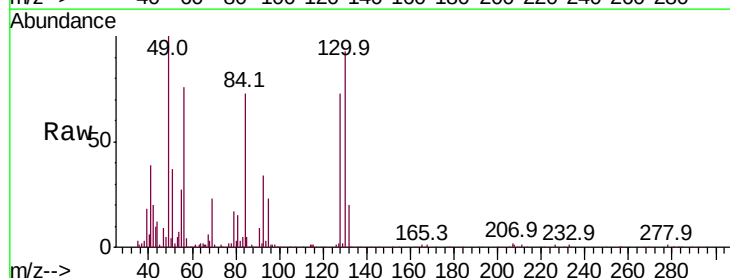
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.0	0.0	213.8
98	60.5	0.0	127.0

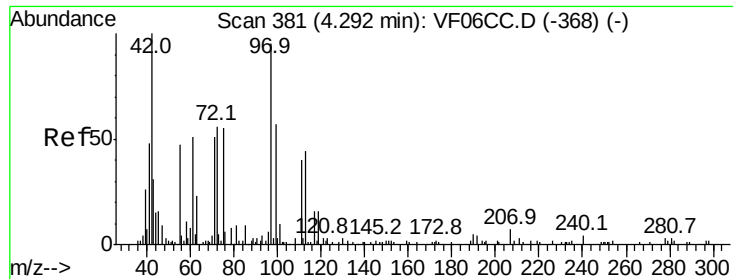


#28

Bromochloromethane
Concen: 19.155 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	93.1	79.2	118.8

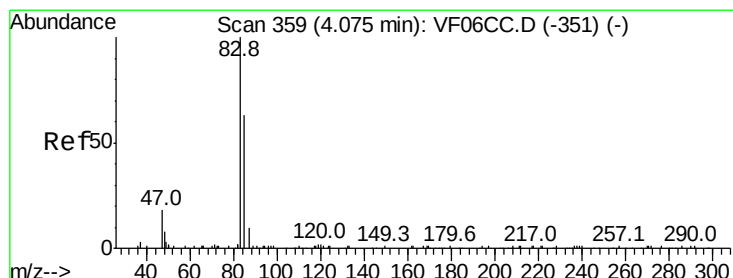
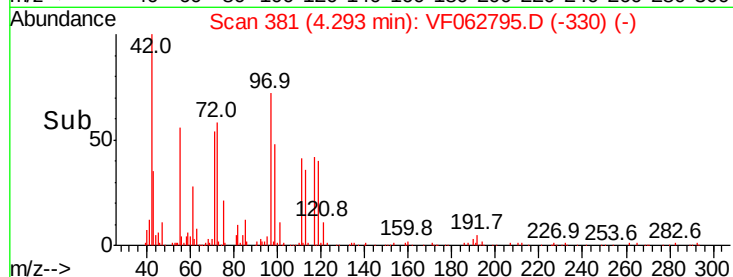
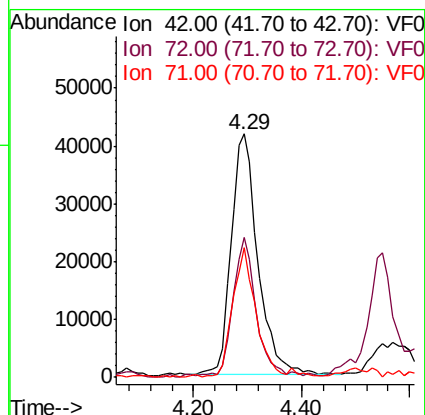
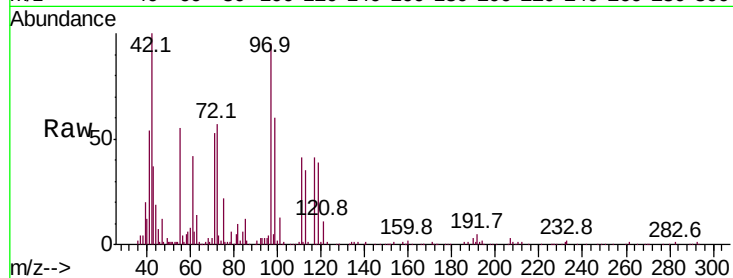




#29
Tetrahydrofuran
Concen: 103.460 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

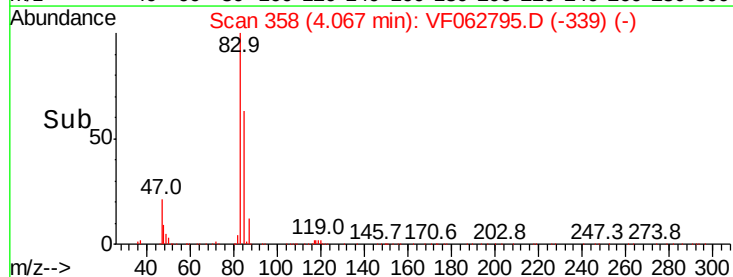
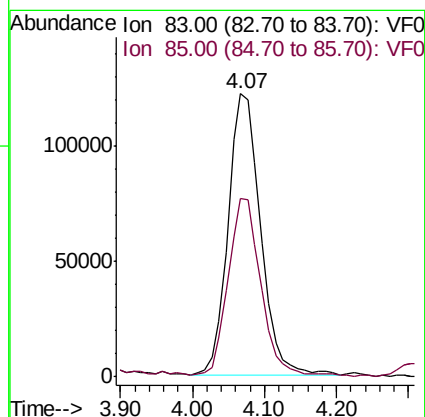
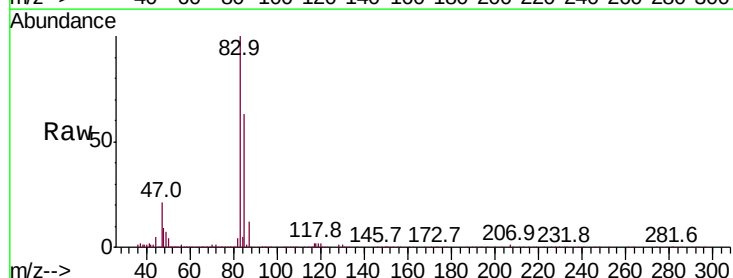
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

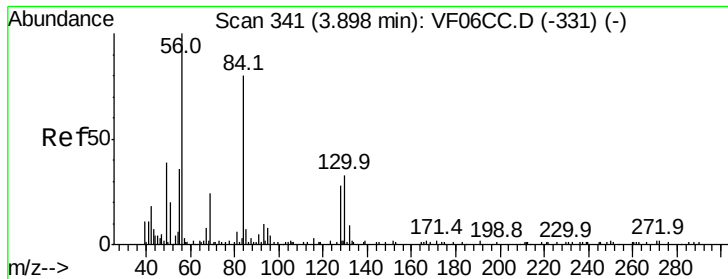
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.0	58.6
71	45.9	36.9	55.3



#30
Chloroform
Concen: 19.415 ug/l
RT: 4.07 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	55.0	82.6

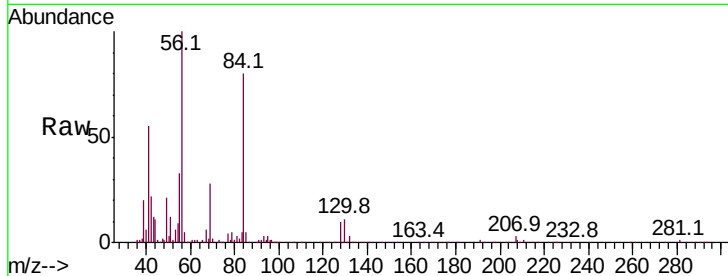




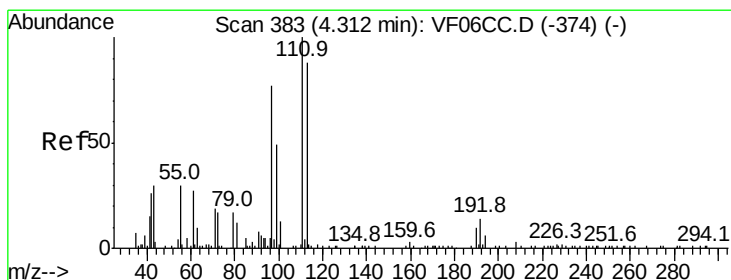
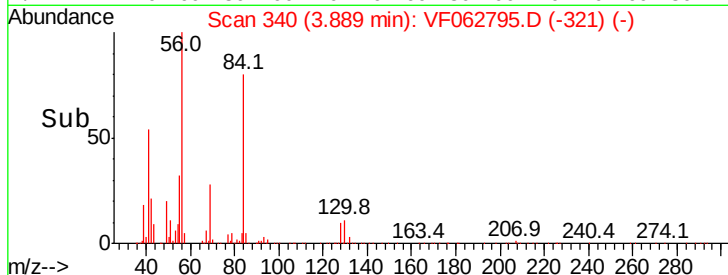
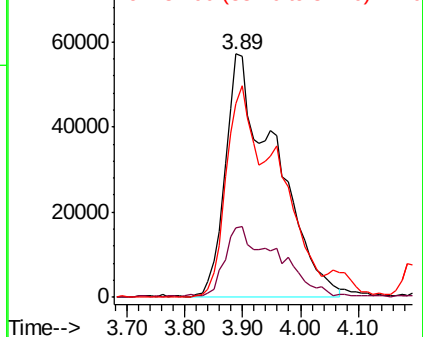
#31
Cyclohexane
Concen: 18.652 ug/l m
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	347347
Ion Ratio	Lower	Upper	
56	100		
69	28.4	26.7	40.1
84	79.6	74.3	111.5

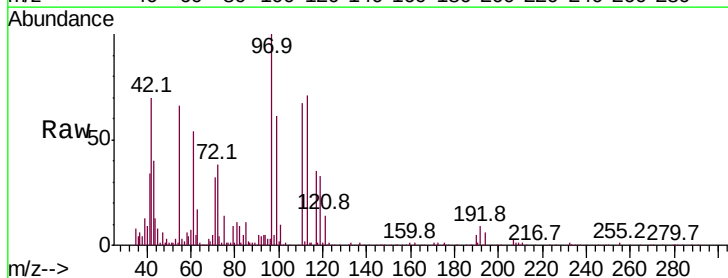


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

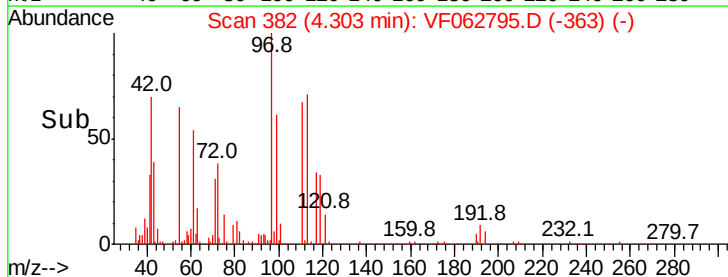
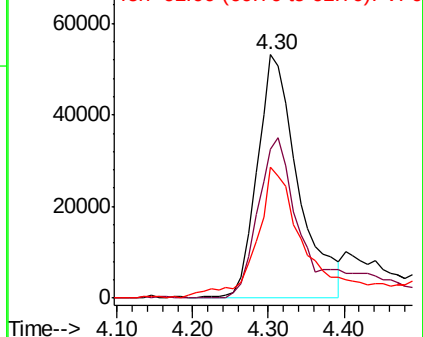


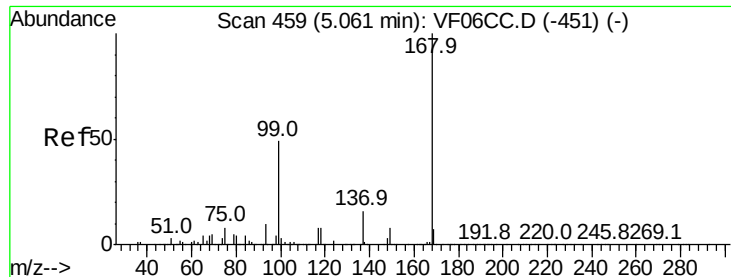
#32
1,1,1-Trichloroethane
Concen: 18.416 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion	97	Resp	199529
Ion Ratio	Lower	Upper	
97	100		
99	61.2	51.7	77.5
61	53.8	38.9	58.3



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

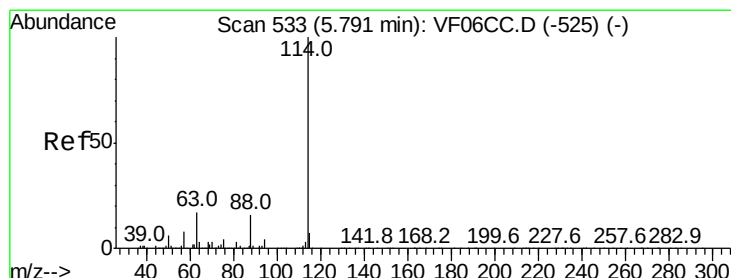
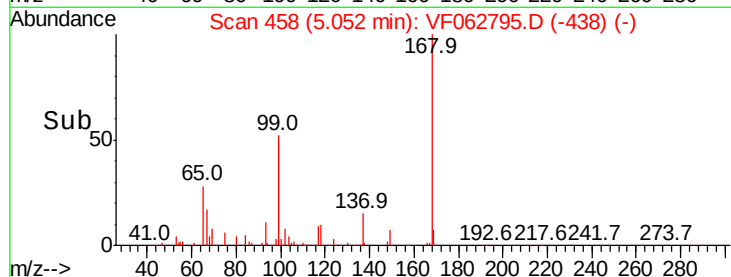
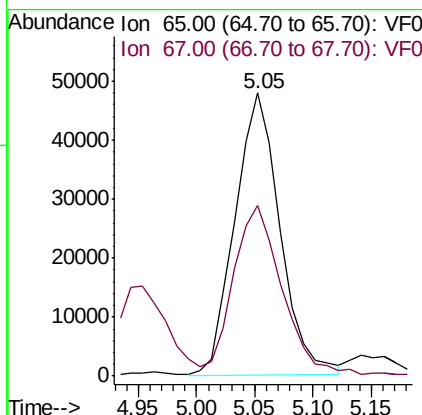
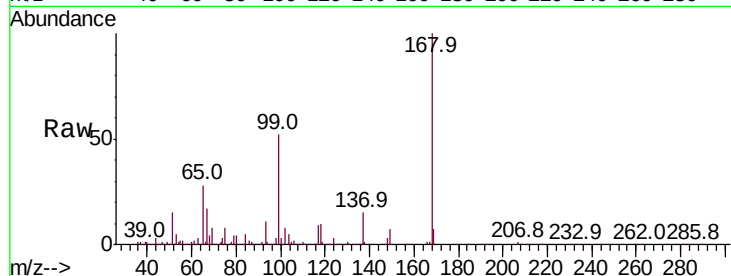




#33
 1,2-Dichloroethane-d4
 Concen: 18.961 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

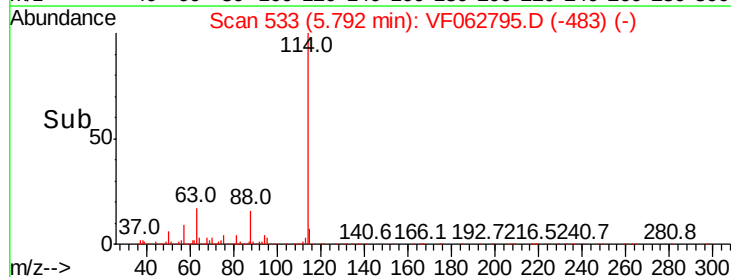
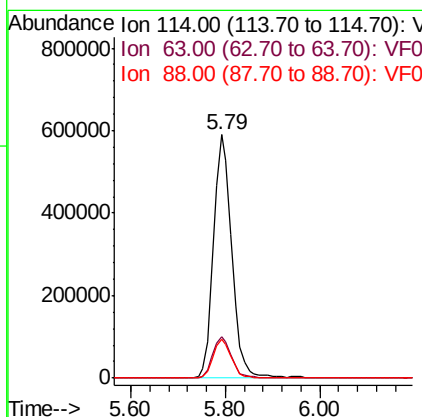
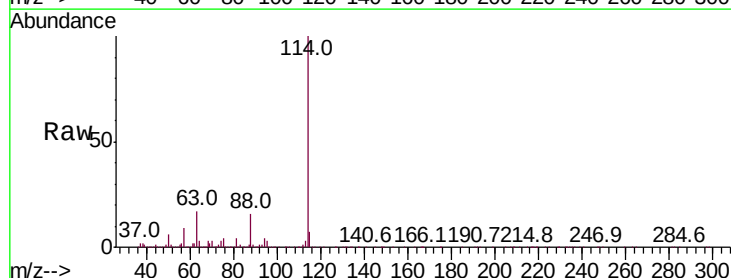
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

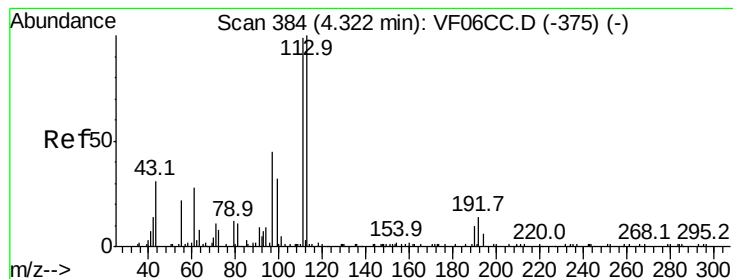
Tot Ion: 65 Resp: 128602
 Ion Ratio Lower Upper
 65 100
 67 60.2 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion: 114 Resp: 1581234
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.2
 88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 19.249 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

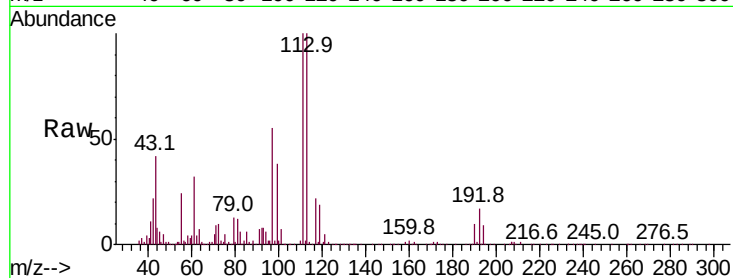
Tot Ion:113 Resp: 236471

Ion Ratio Lower Upper

113 100

111 100.2 81.9 122.9

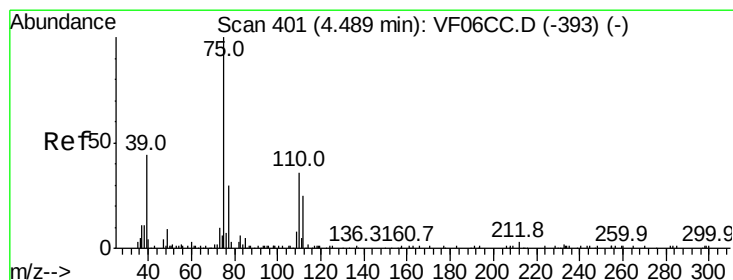
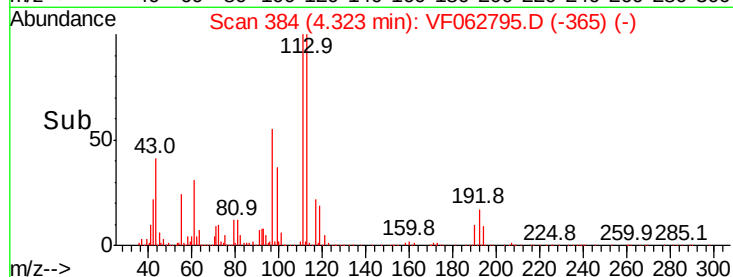
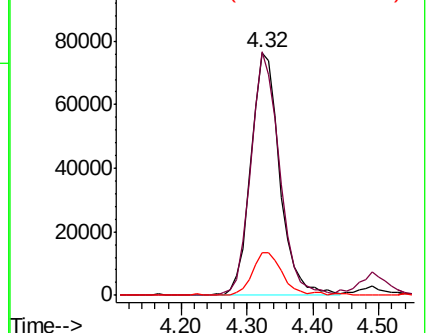
192 17.3 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 19.541 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

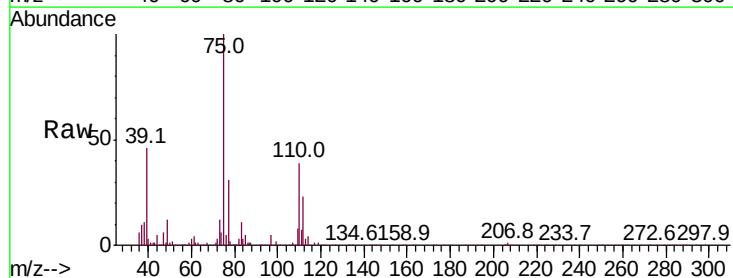
Tgt Ion: 75 Resp: 301237

Ion Ratio Lower Upper

75 100

110 38.6 19.4 58.1

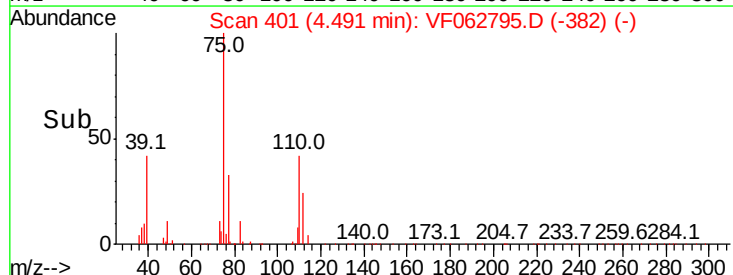
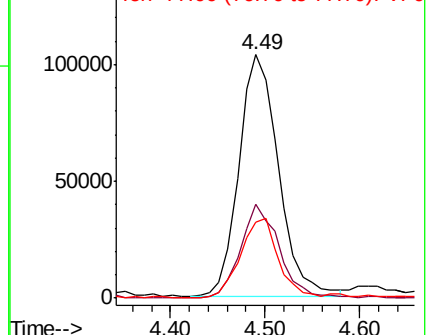
77 31.3 25.4 38.2

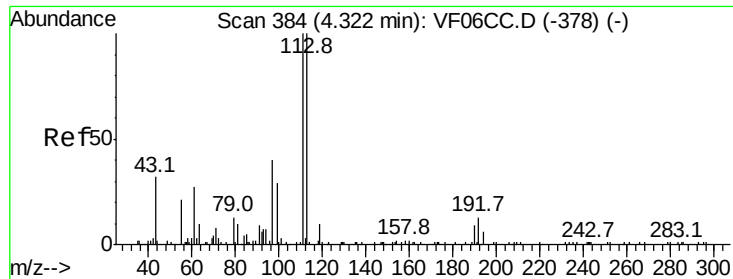


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

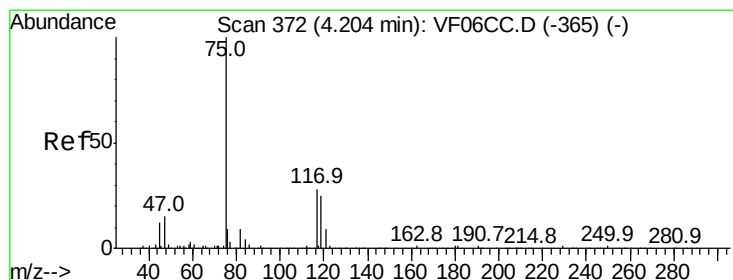
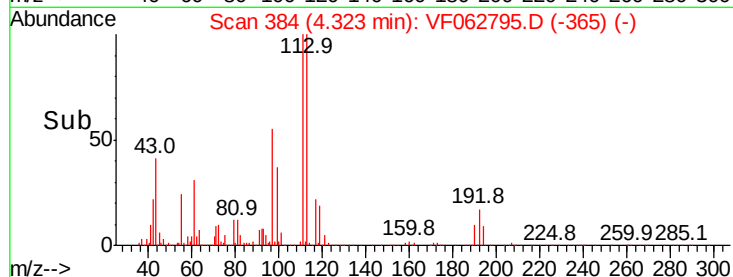
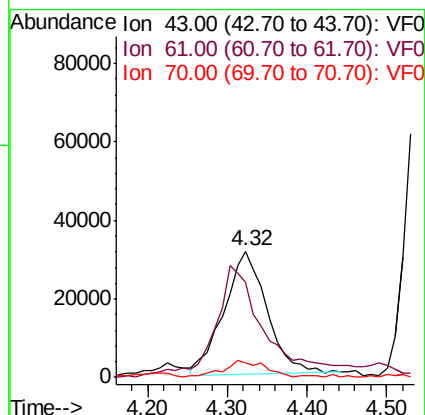
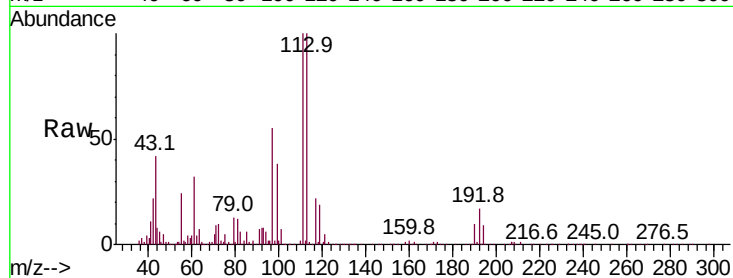




#37
Ethyl Acetate
Concen: 19.015 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

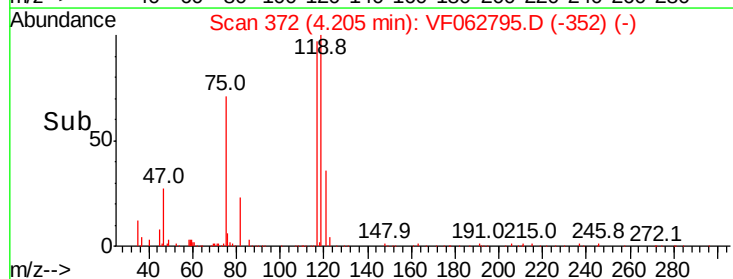
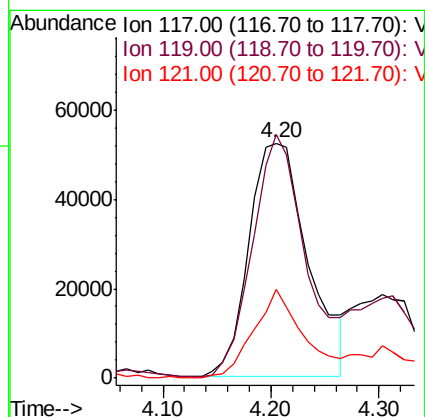
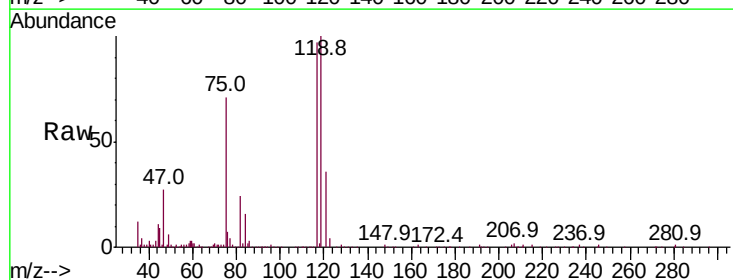
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

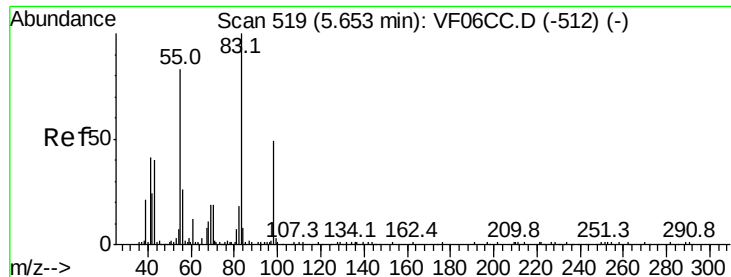
Tot Ion: 43 Resp: 118133
Ion Ratio Lower Upper
43 100
61 75.4 59.1 88.7
70 11.5 10.1 15.1



#38
Carbon Tetrachloride
Concen: 19.352 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 117 Resp: 199650
Ion Ratio Lower Upper
117 100
119 103.5 78.2 117.2
121 37.5 28.2 42.2

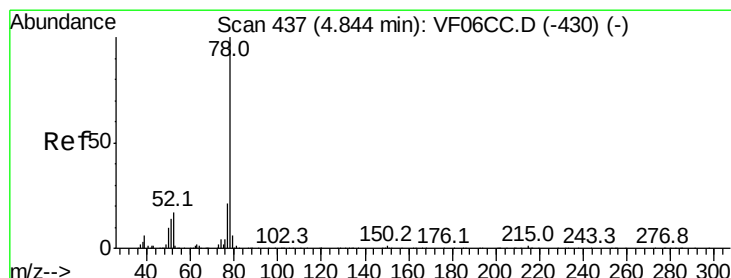
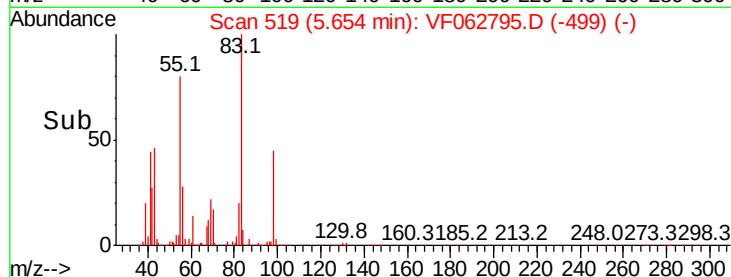
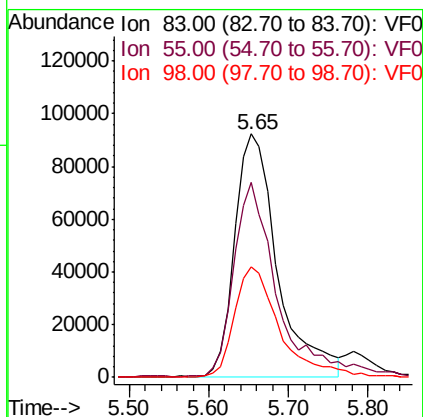
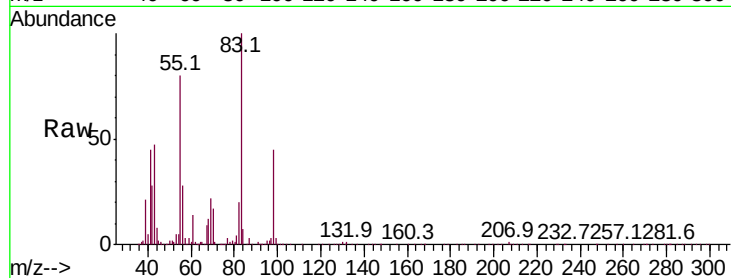




#39
Methylcyclohexane
Concen: 18.448 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

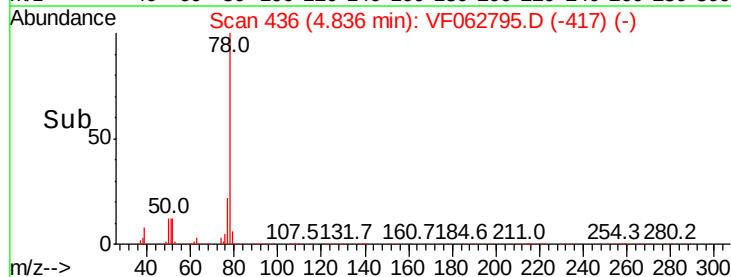
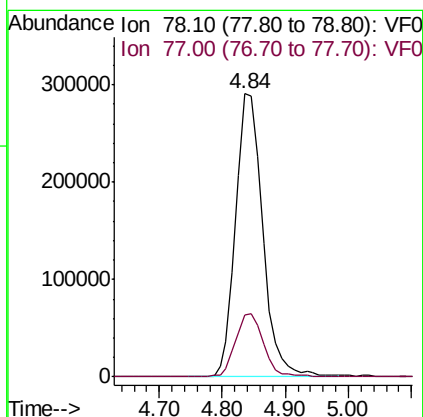
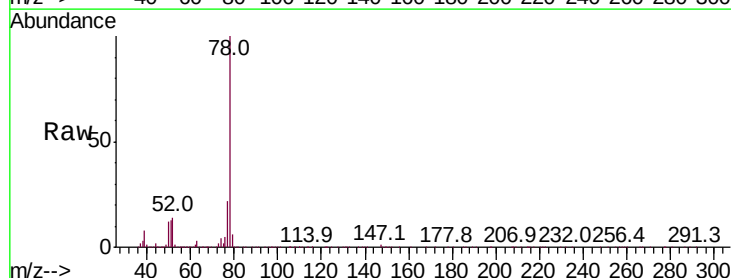
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

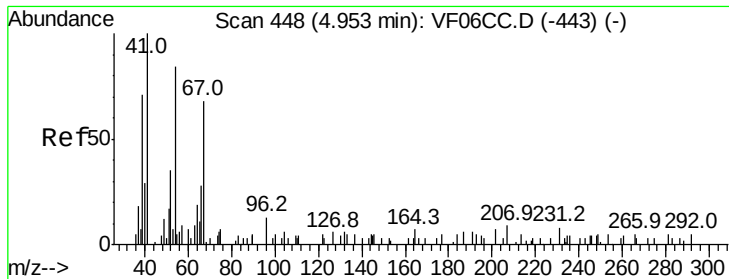
Tot Ion: 83 Resp: 346727
Ion Ratio Lower Upper
83 100
55 80.0 61.6 92.4
98 45.3 37.4 56.2



#40
Benzene
Concen: 19.013 ug/l
RT: 4.84 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 78 Resp: 864722
Ion Ratio Lower Upper
78 100
77 21.8 18.9 28.3

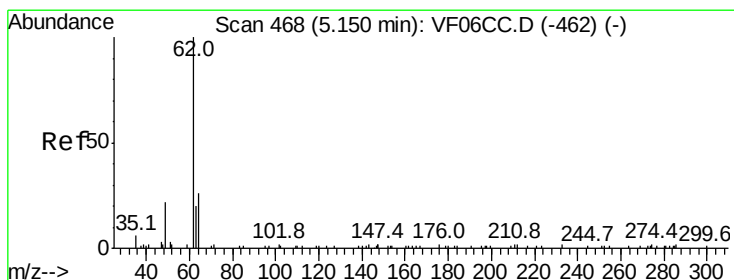
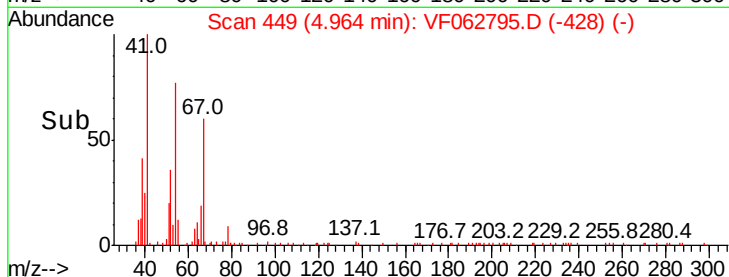
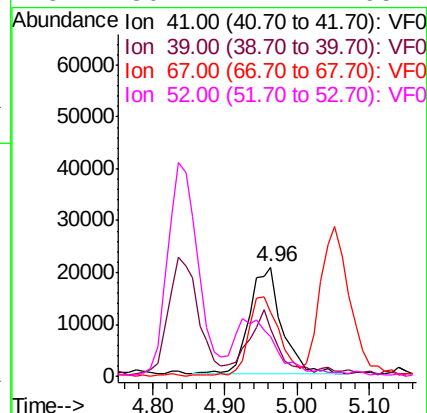
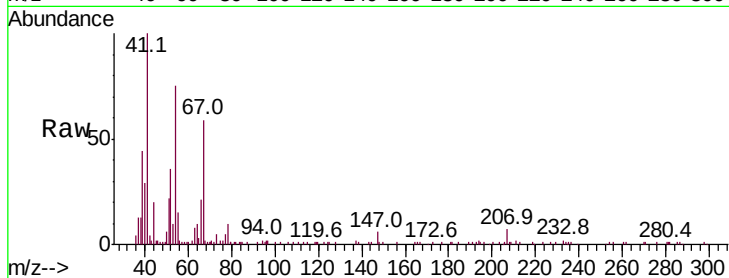




#41
Methacrylonitrile
Concen: 19.308 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

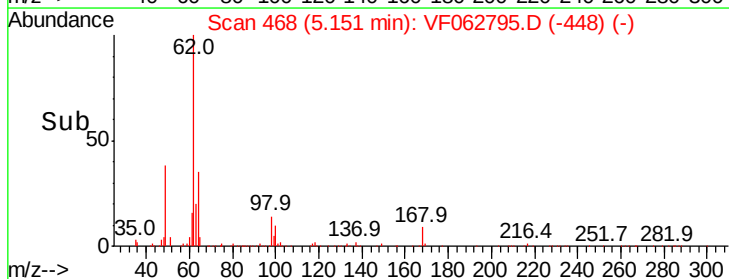
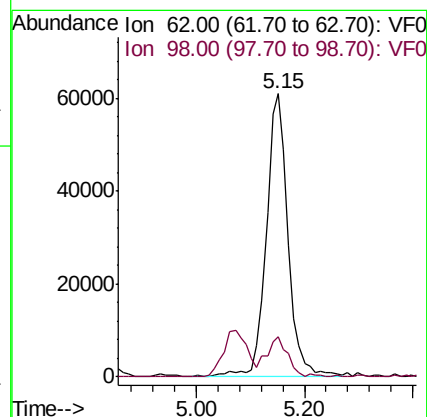
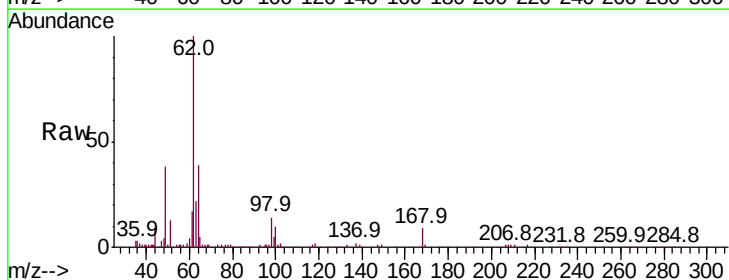
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

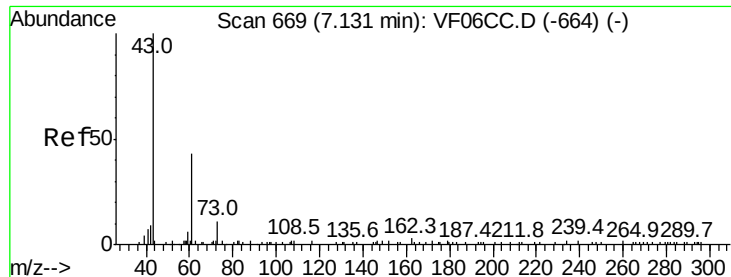
Tot Ion:	41	Resp:	65152
Ion	Ratio	Lower	Upper
41	100		
39	43.7	42.0	63.0
67	58.8	61.4	92.0#
52	36.2	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 20.385 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:	62	Resp:	172310
Ion	Ratio	Lower	Upper
62	100		
98	14.2	0.0	24.0





#43

Isopropyl Acetate

Concen: 19.519 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

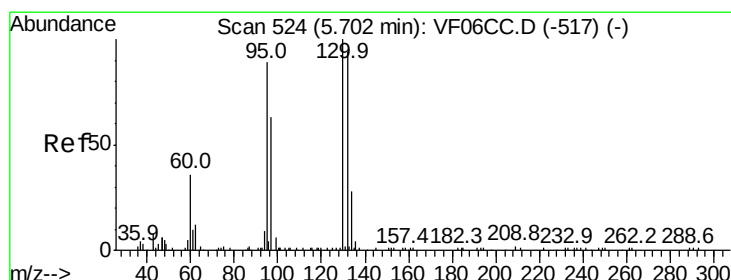
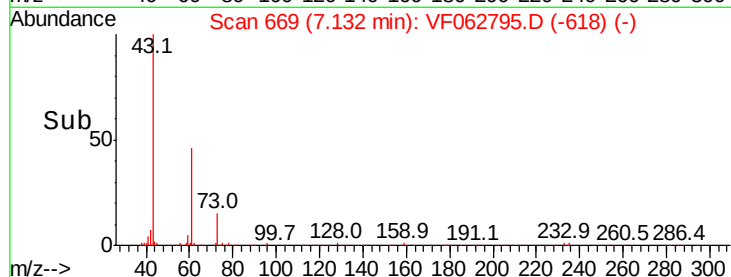
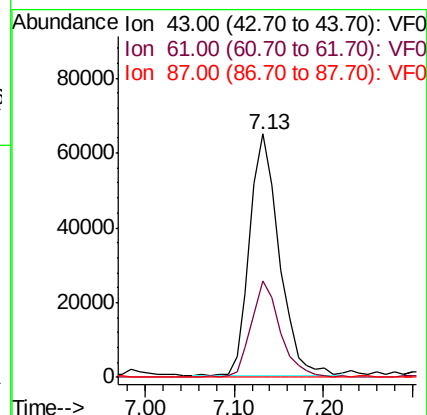
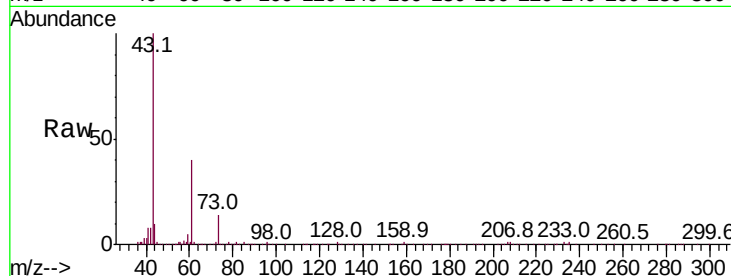
Tot Ion: 43 Resp: 150296

Ion Ratio Lower Upper

43 100

61 39.8 29.8 44.6

87 0.2 0.3 0.5#



#44

Trichloroethene

Concen: 19.012 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.00 min

Lab File: VF062795.D

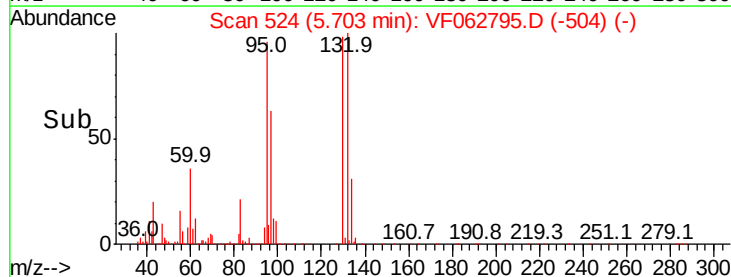
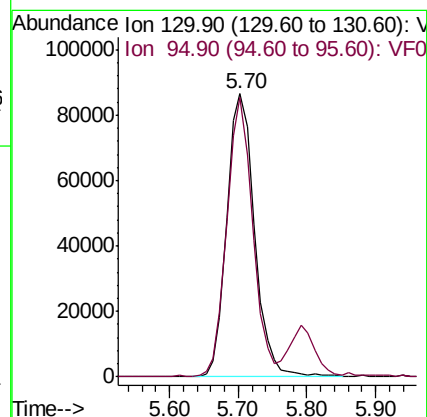
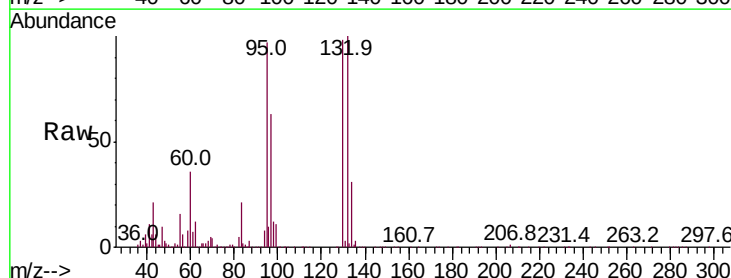
Acq: 30 May 2019 15:03

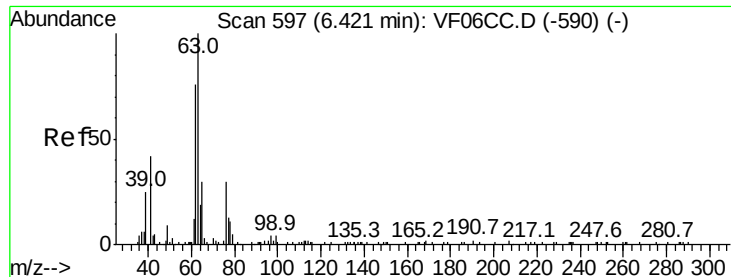
Tgt Ion: 130 Resp: 242240

Ion Ratio Lower Upper

130 100

95 98.8 0.0 188.2





#45

1,2-Dichloropropane

Concen: 18.912 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

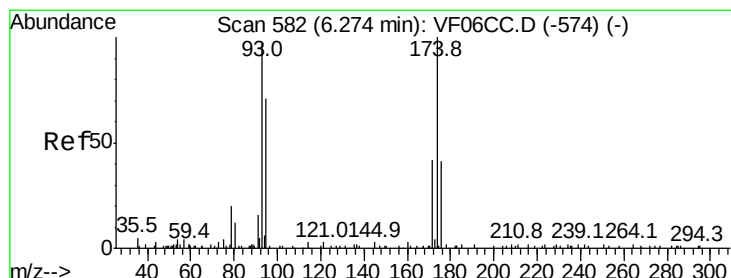
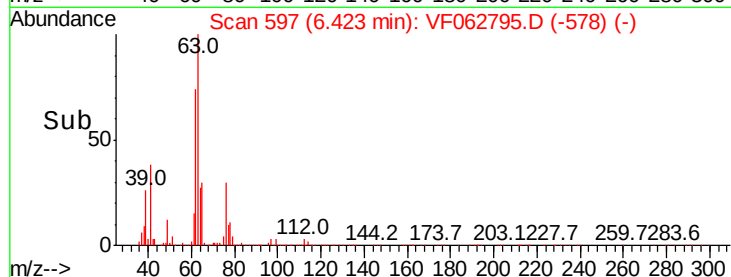
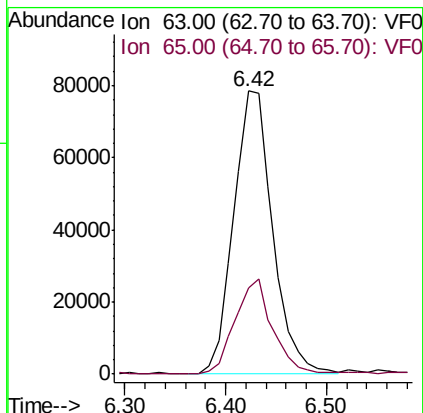
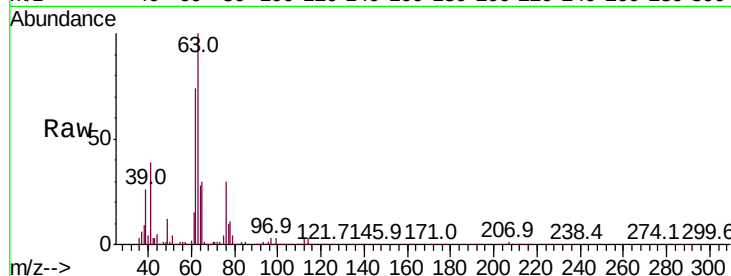
VSTDIC020

Tot Ion: 63 Resp: 211790

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.2



#46

Dibromomethane

Concen: 18.398 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

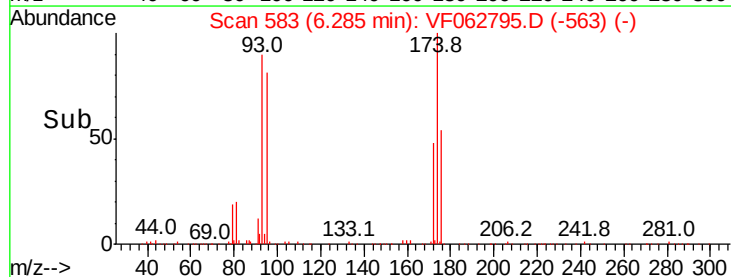
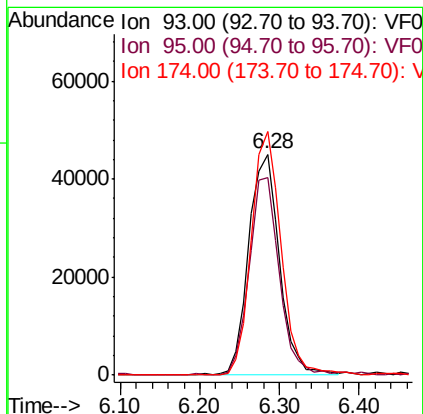
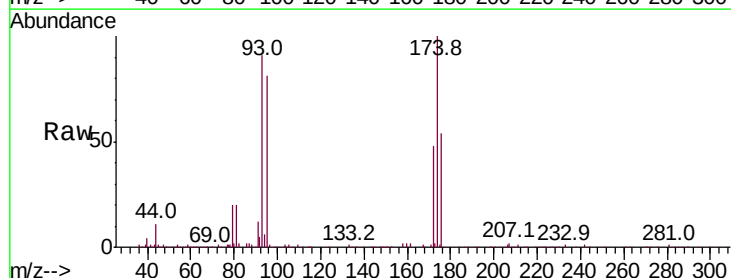
Tgt Ion: 93 Resp: 119773

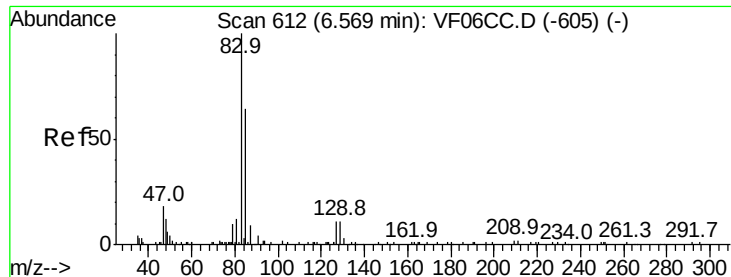
Ion Ratio Lower Upper

93 100

95 89.6 67.9 101.9

174 110.3 85.0 127.4





#47

Bromodichloromethane

Concen: 19.020 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

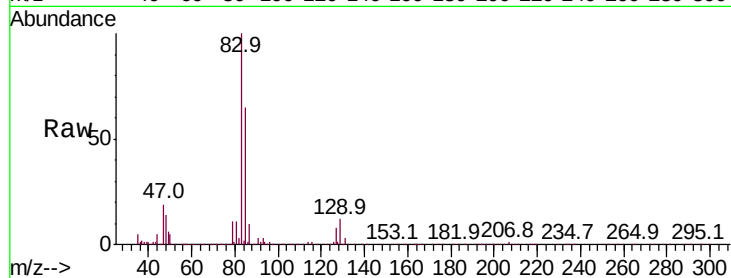
Tot Ion: 83 Resp: 252244

Ion Ratio Lower Upper

83 100

85 64.8 54.2 81.4

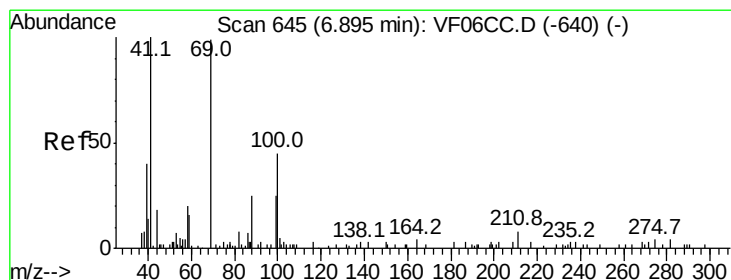
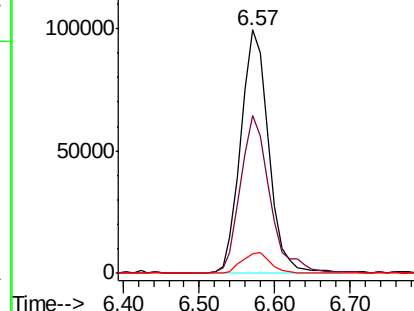
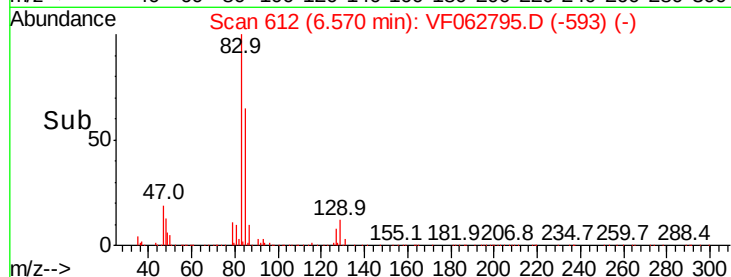
127 8.9 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.284 ug/l

RT: 6.90 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

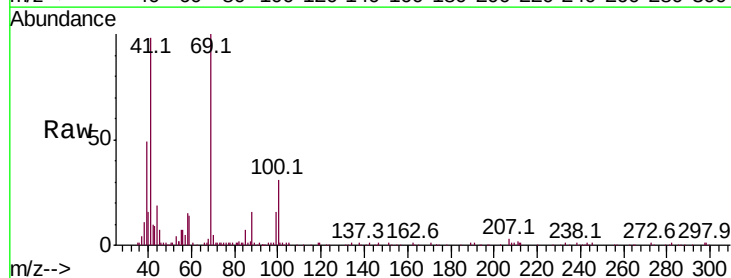
Tgt Ion: 41 Resp: 75694

Ion Ratio Lower Upper

41 100

69 101.8 79.4 119.2

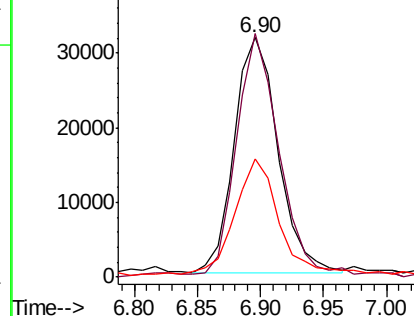
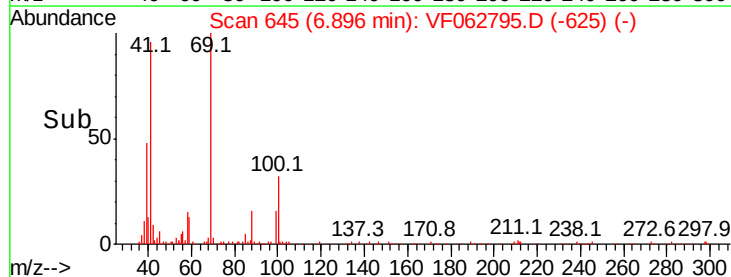
39 49.5 39.8 59.6

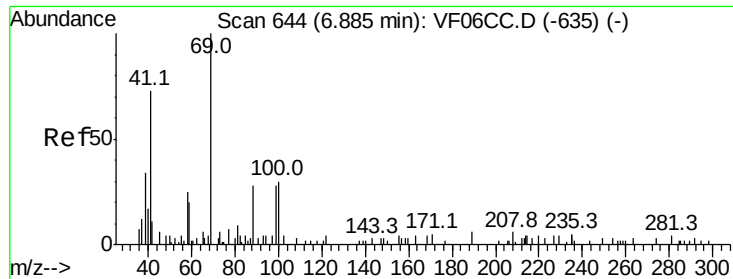


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 401.418 ug/l

RT: 6.89 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

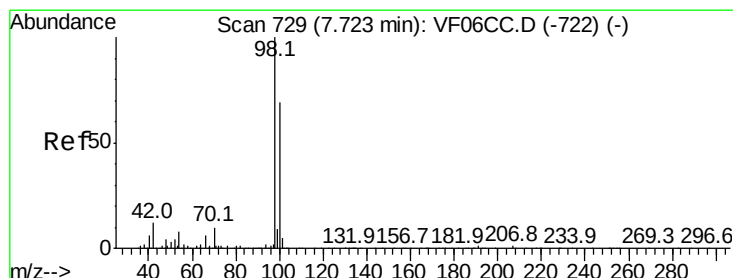
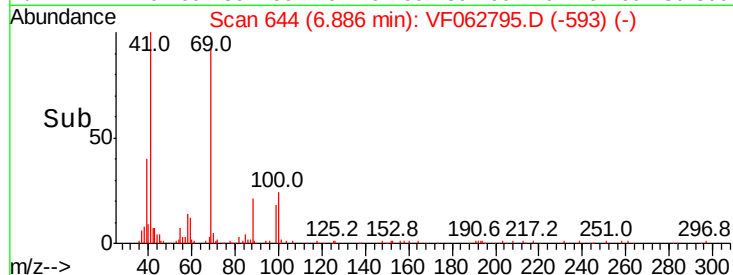
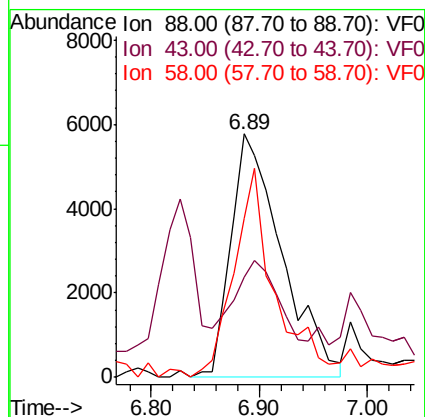
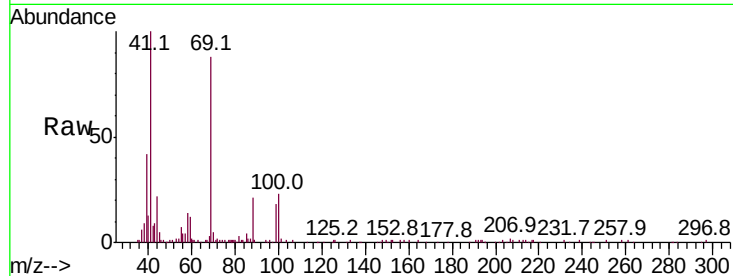
Tot Ion: 88 Resp: 19004

Ion Ratio Lower Upper

88 100

43 41.3 34.8 52.2

58 65.5 59.9 89.9



#50

Toluene-d8

Concen: 19.428 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062795.D

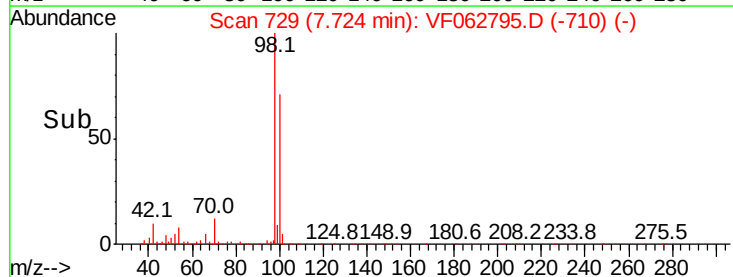
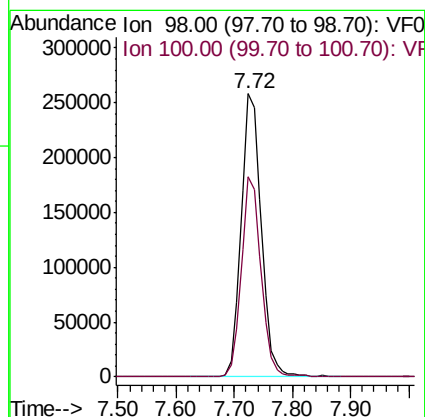
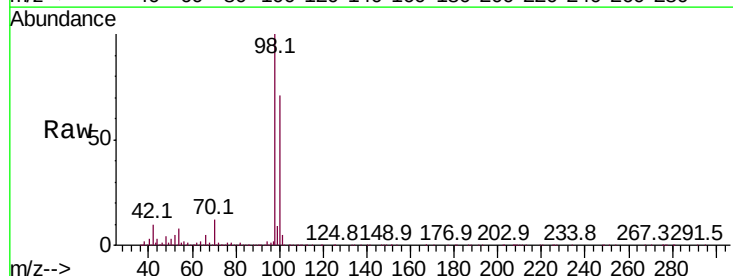
Acq: 30 May 2019 15:03

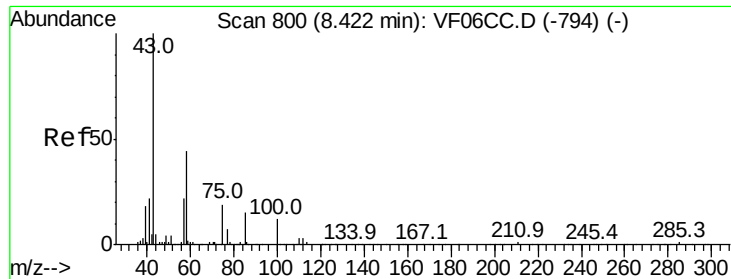
Tgt Ion: 98 Resp: 619406

Ion Ratio Lower Upper

98 100

100 70.8 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 95.213 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

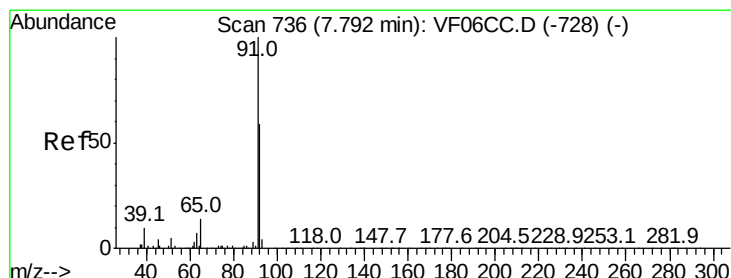
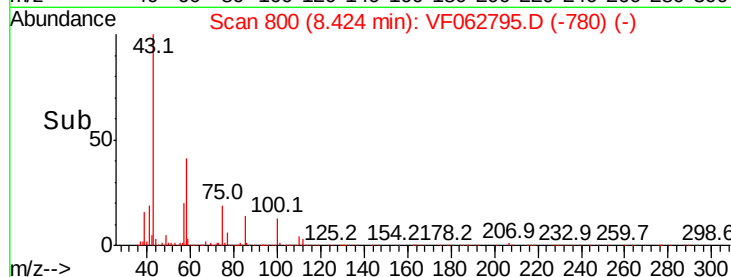
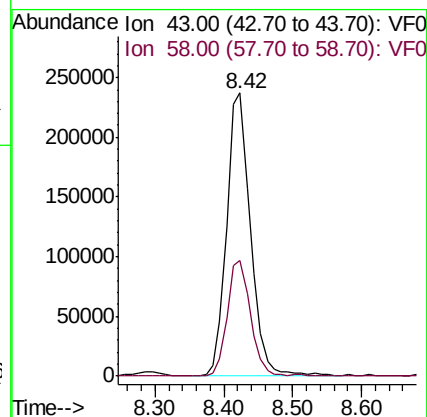
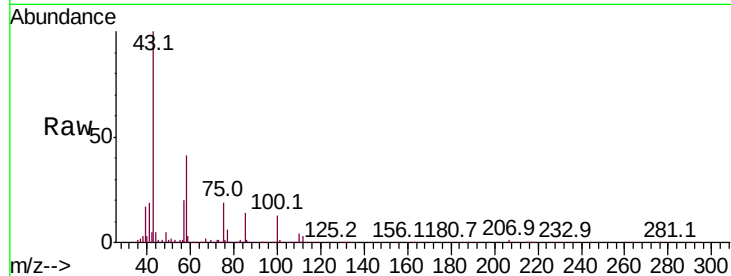
VSTDIC020

Tot Ion: 43 Resp: 563916

Ion Ratio Lower Upper

43 100

58 40.8 35.5 53.3



#52

Toluene

Concen: 19.345 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062795.D

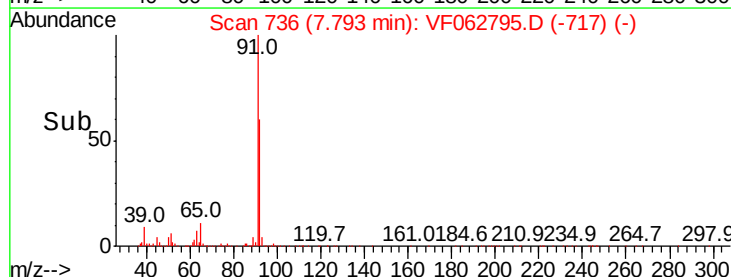
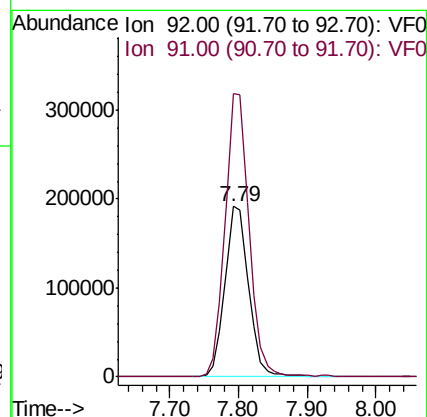
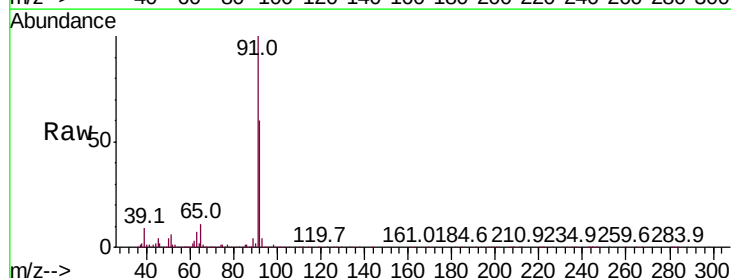
Acq: 30 May 2019 15:03

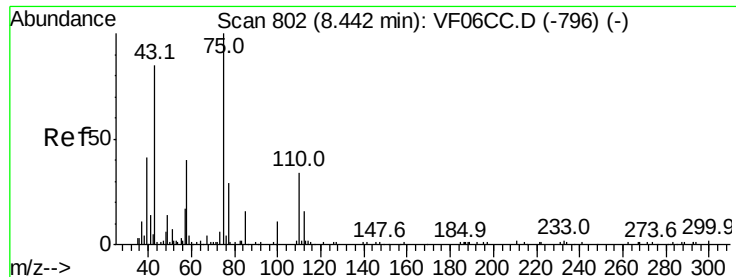
Tgt Ion: 92 Resp: 460484

Ion Ratio Lower Upper

92 100

91 166.3 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 18.984 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

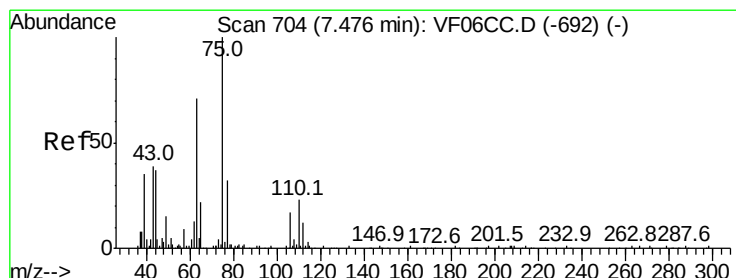
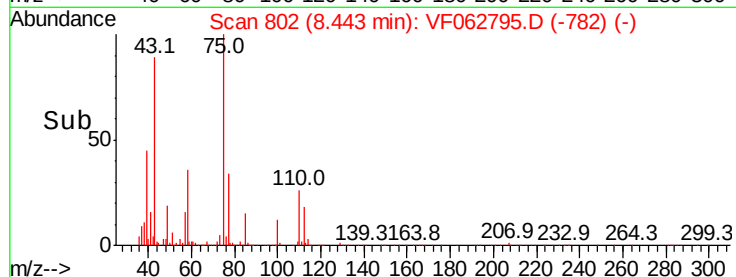
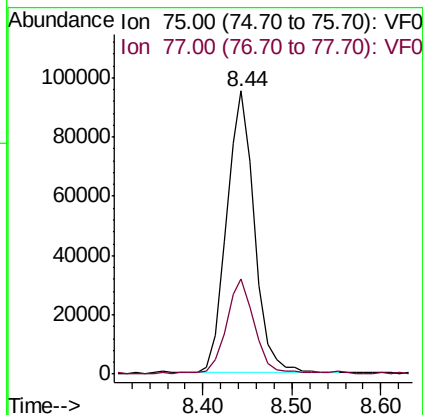
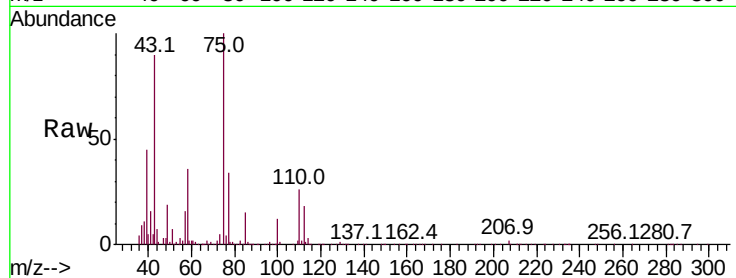
VSTDIC020

Tot Ion: 75 Resp: 208417

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.744 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

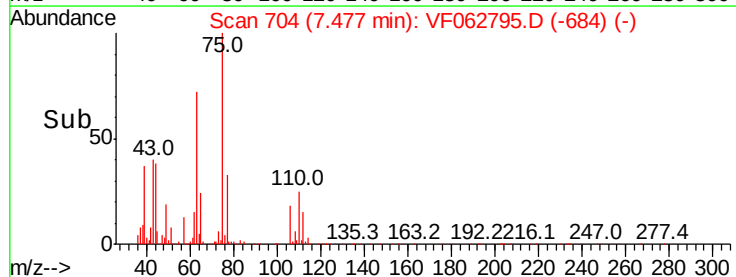
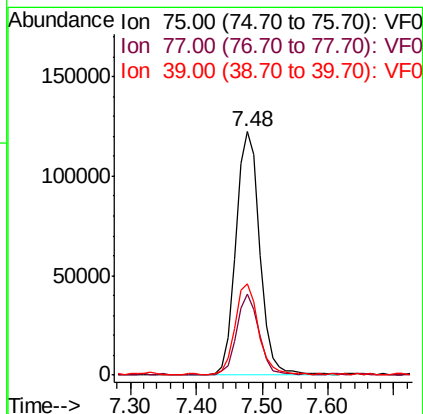
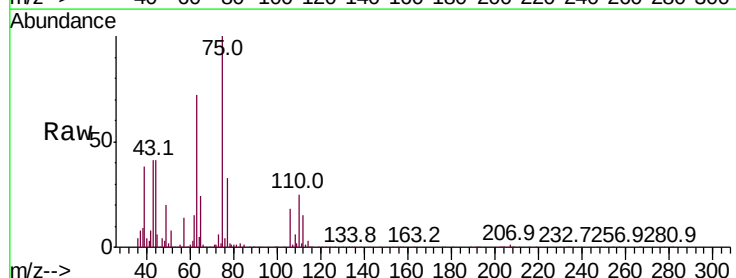
Tgt Ion: 75 Resp: 313730

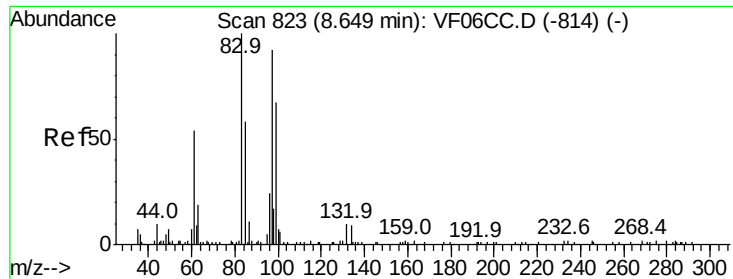
Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8

39 37.6 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 18.670 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 136043

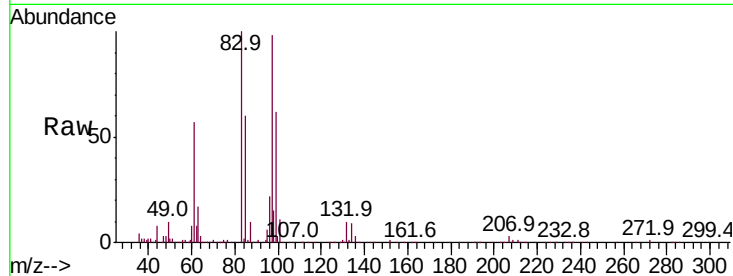
Ion Ratio Lower Upper

97 100

83 101.6 72.0 108.0

85 61.2 47.5 71.3

99 63.2 54.1 81.1

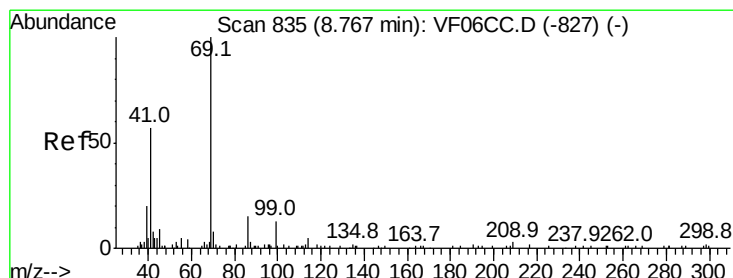
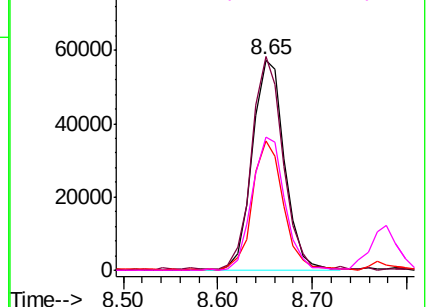
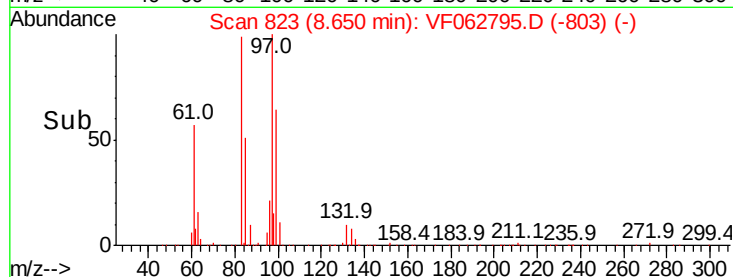


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.991 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

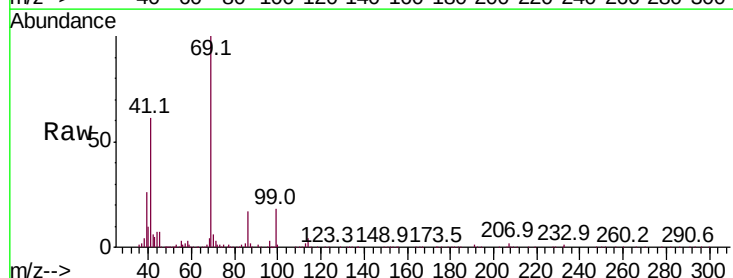
Tgt Ion: 69 Resp: 149427

Ion Ratio Lower Upper

69 100

41 61.1 46.6 69.8

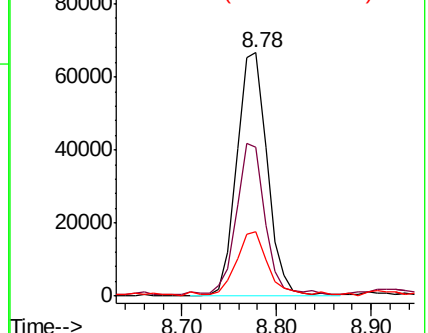
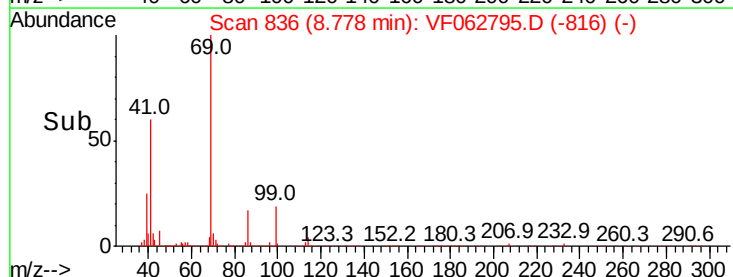
39 26.4 19.6 29.4

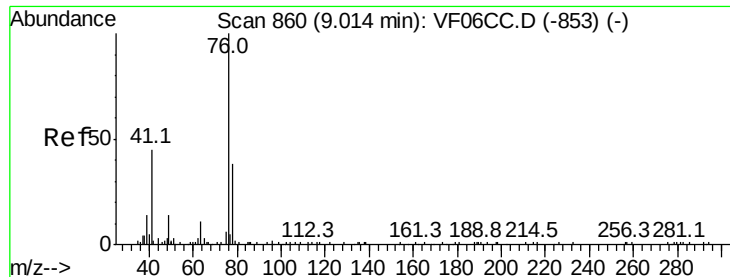


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.196 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

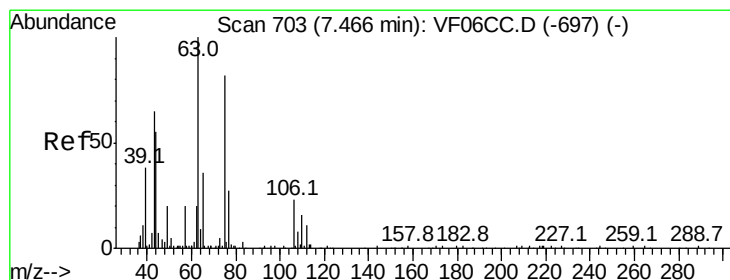
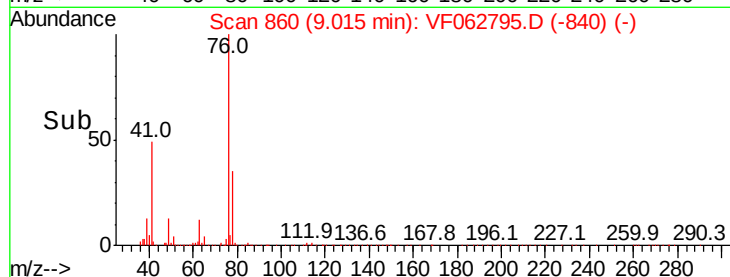
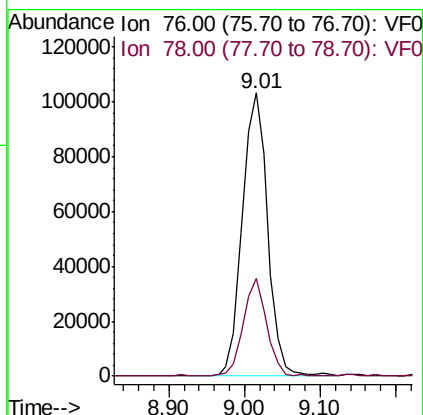
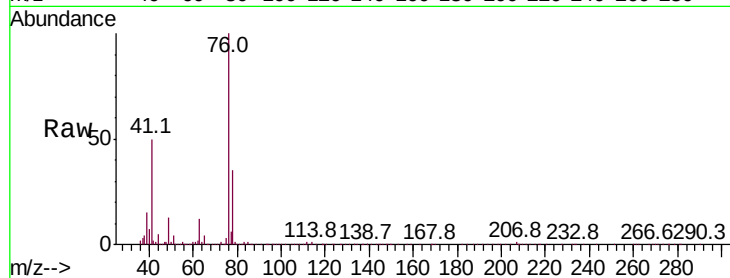
VSTDIC020

Tot Ion: 76 Resp: 239425

Ion Ratio Lower Upper

76 100

78 34.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 97.503 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062795.D

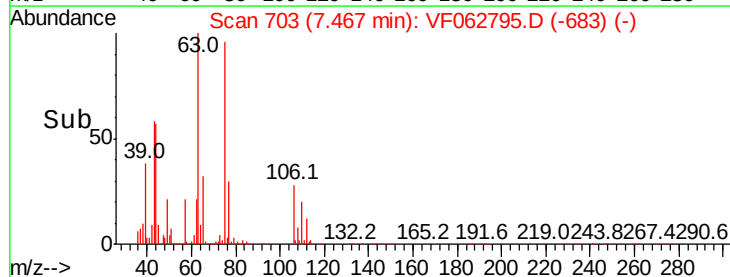
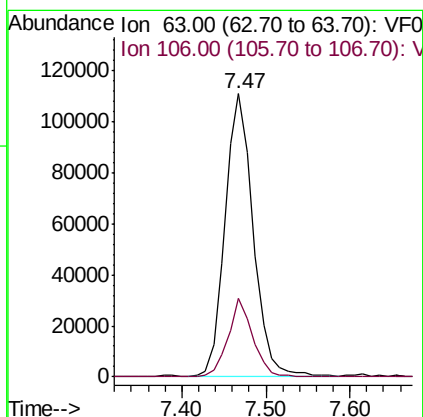
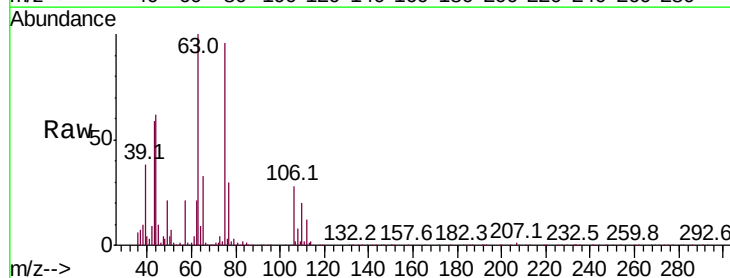
Acq: 30 May 2019 15:03

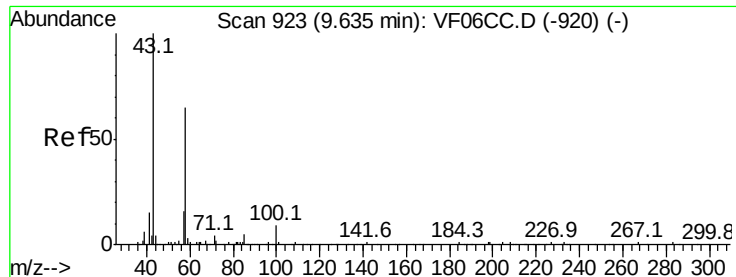
Tgt Ion: 63 Resp: 258105

Ion Ratio Lower Upper

63 100

106 27.9 19.5 29.3

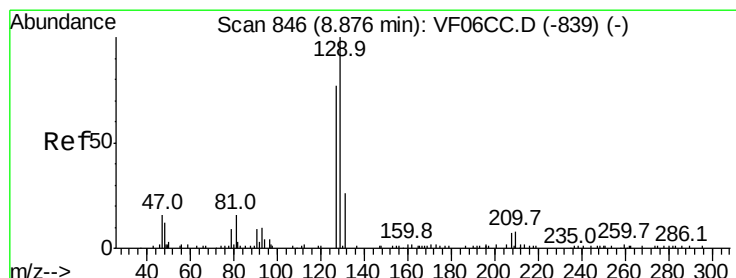
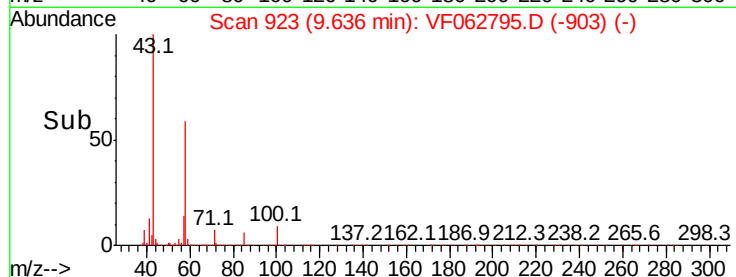
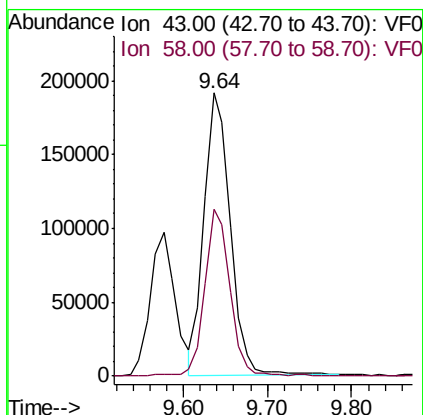
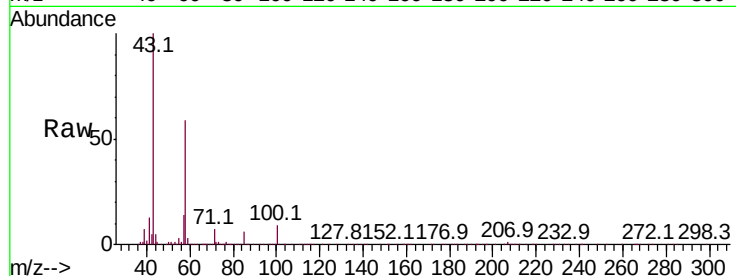




#59
2-Hexanone
Concen: 99.570 ug/l
RT: 9.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

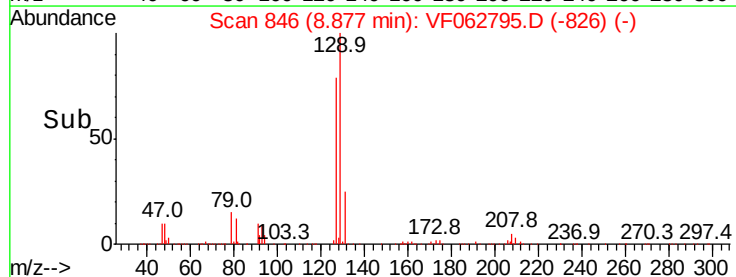
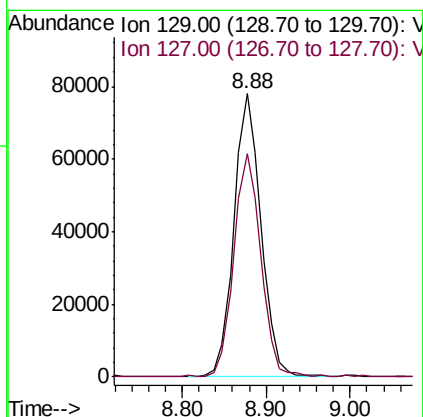
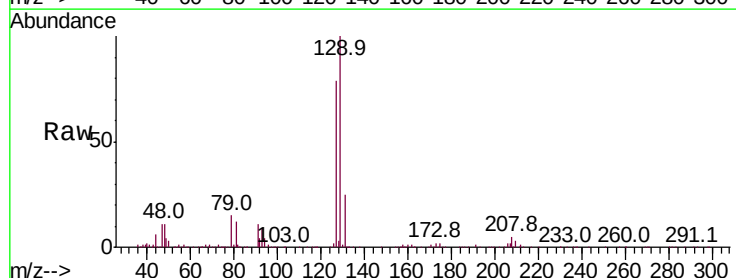
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

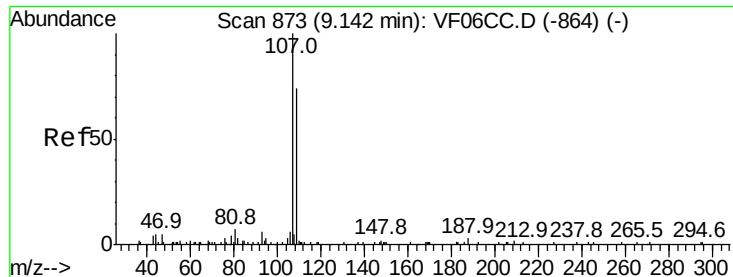
Tot Ion: 43 Resp: 412608
Ion Ratio Lower Upper
43 100
58 58.9 29.3 87.9



#60
Dibromochloromethane
Concen: 19.889 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 129 Resp: 174822
Ion Ratio Lower Upper
129 100
127 78.7 37.1 111.3





#61

1,2-Dibromoethane

Concen: 20.570 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

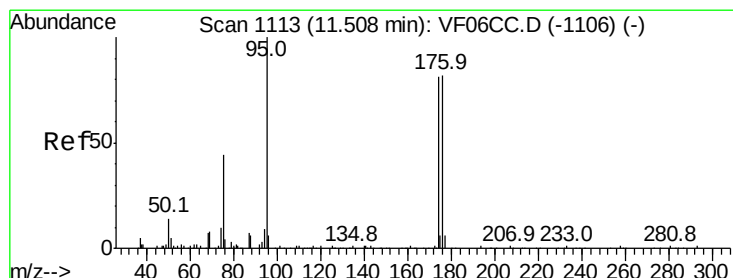
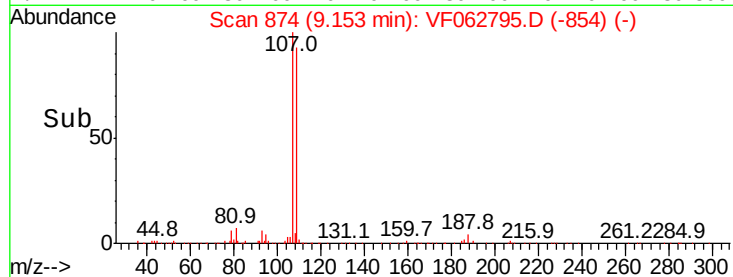
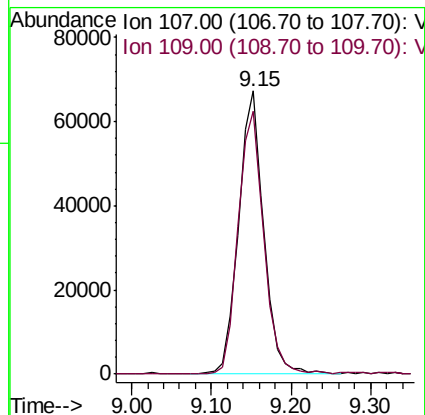
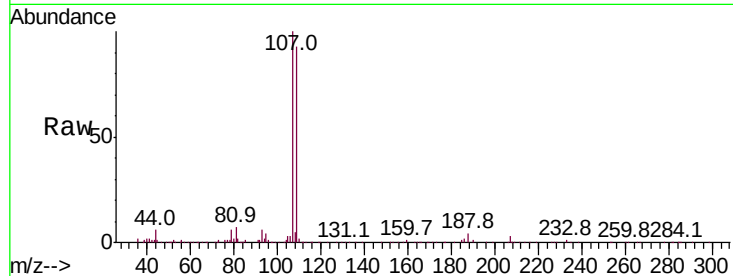
VSTDIC020

Tot Ion:107 Resp: 148026

Ion Ratio Lower Upper

107 100

109 92.7 78.1 117.1



#62

4-Bromofluorobenzene

Concen: 19.888 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

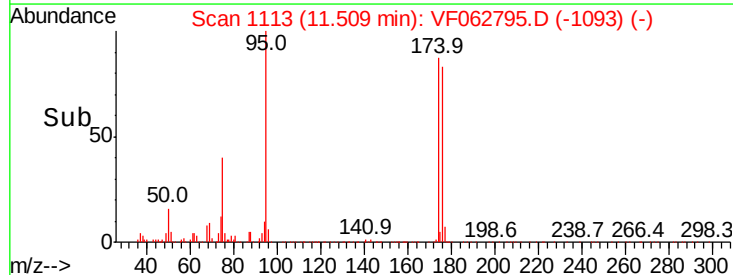
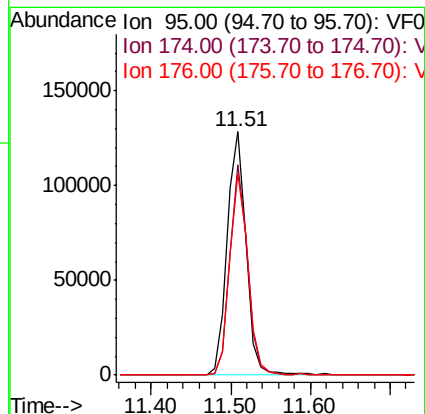
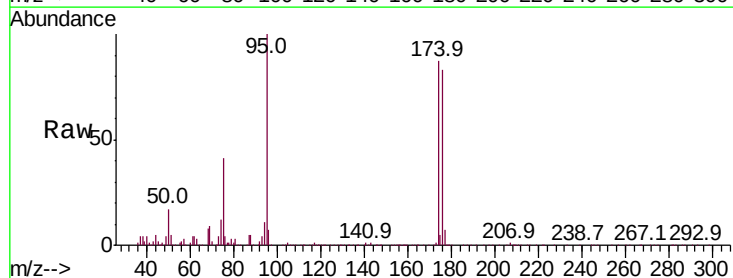
Tgt Ion: 95 Resp: 216870

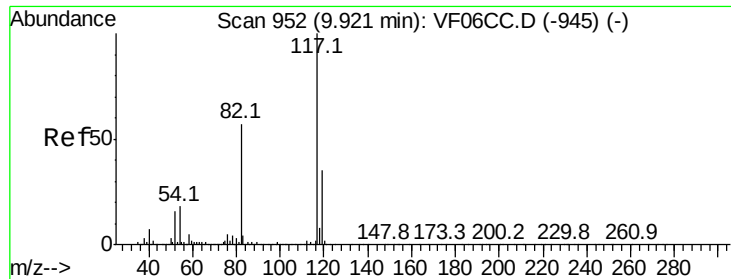
Ion Ratio Lower Upper

95 100

174 86.5 0.0 170.6

176 83.0 0.0 170.6

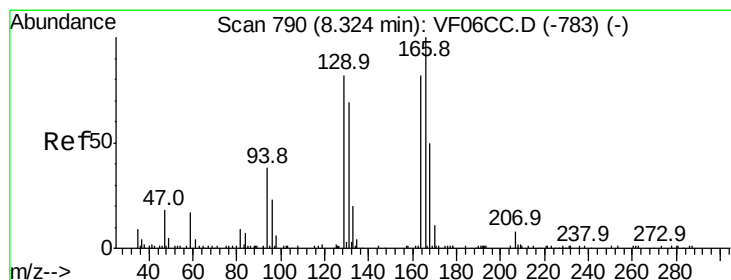
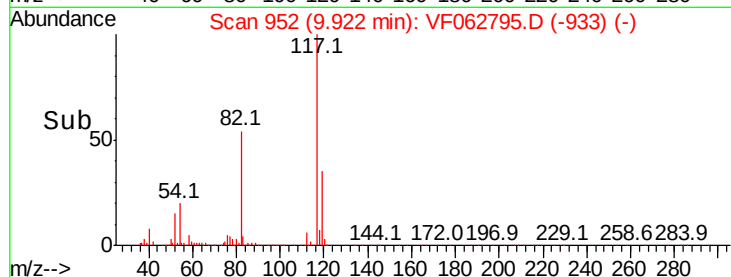
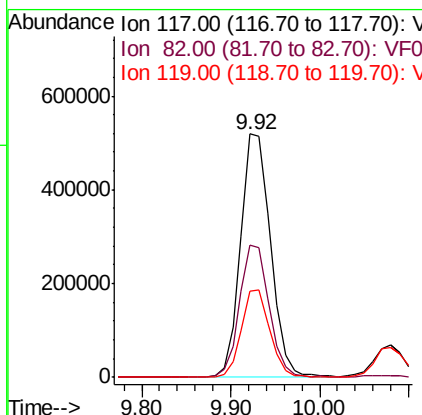
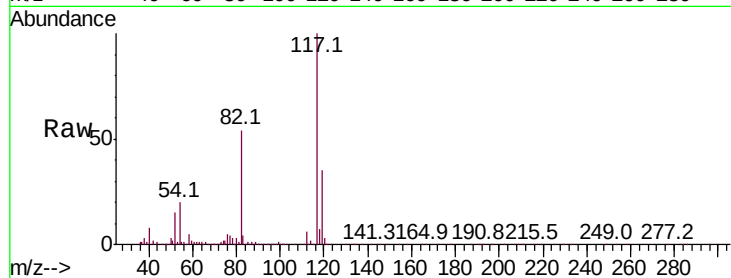




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

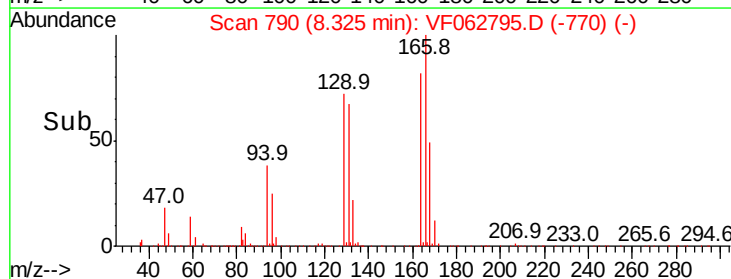
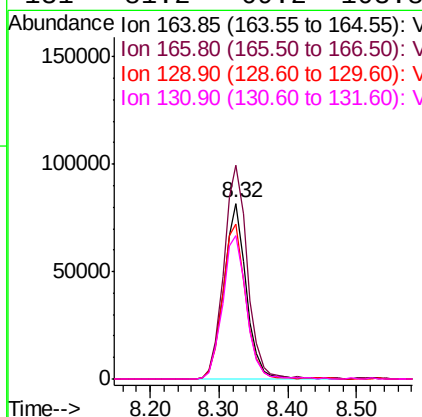
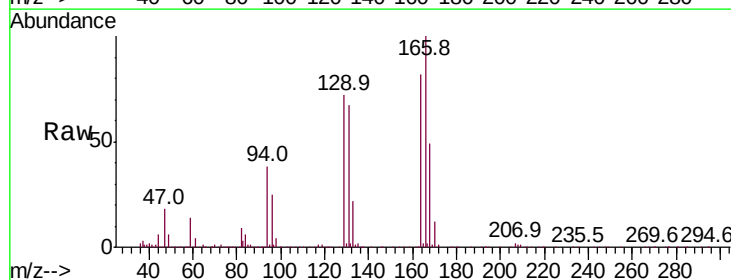
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

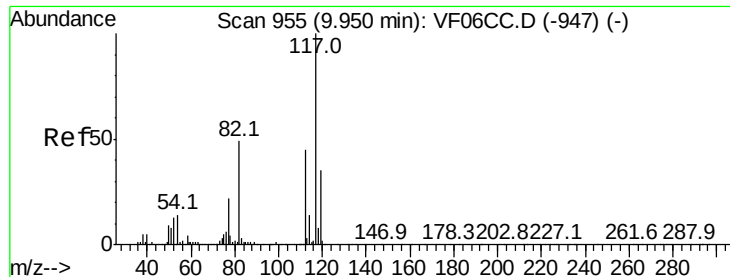
Tot Ion:117 Resp: 1214925
Ion Ratio Lower Upper
117 100
82 54.3 42.4 63.6
119 35.1 27.1 40.7



#64
Tetrachloroethene
Concen: 18.180 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:164 Resp: 184298
Ion Ratio Lower Upper
164 100
166 121.5 99.1 148.7
129 87.8 69.5 104.3
131 81.2 69.2 103.8

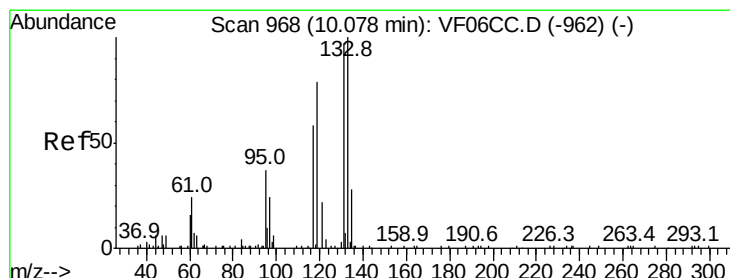
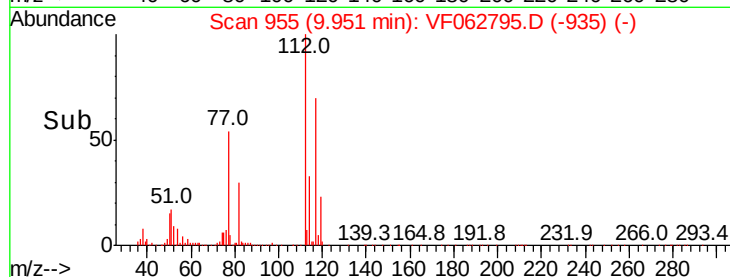
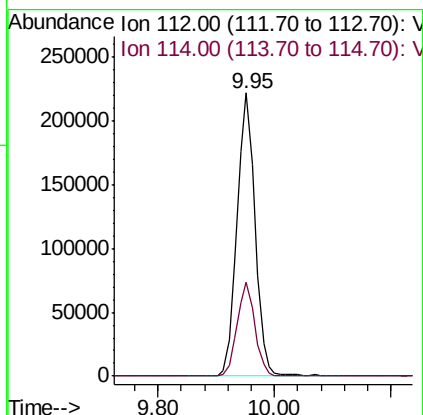
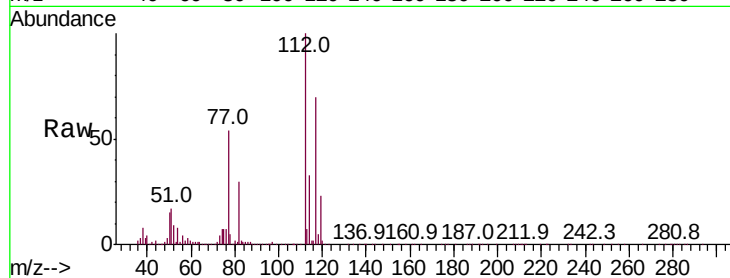




#65
Chlorobenzene
Concen: 19.492 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

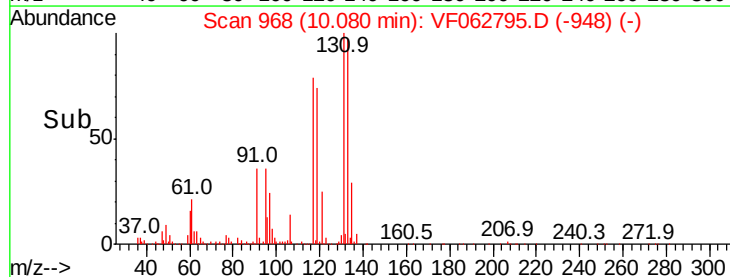
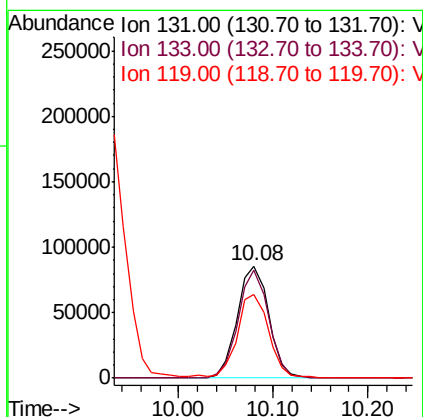
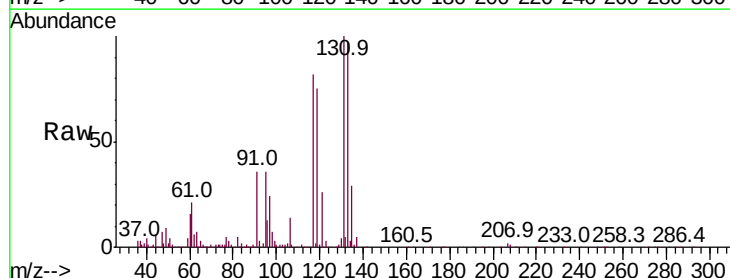
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

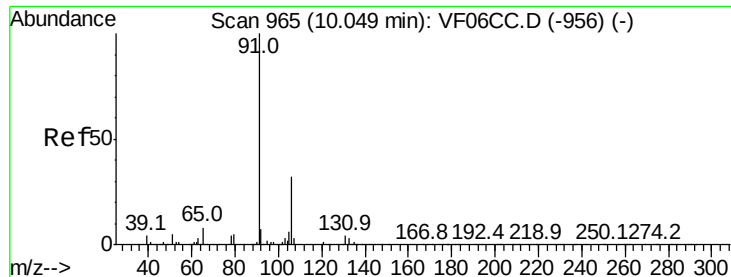
Tot Ion:112 Resp: 480205
Ion Ratio Lower Upper
112 100
114 33.1 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.448 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:131 Resp: 196778
Ion Ratio Lower Upper
131 100
133 97.0 48.9 146.7
119 74.8 38.0 114.0





#67

Ethyl Benzene

Concen: 20.275 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

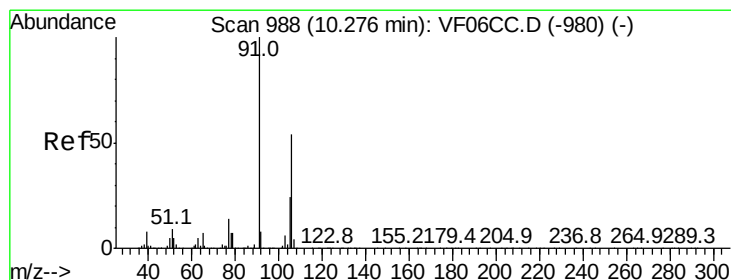
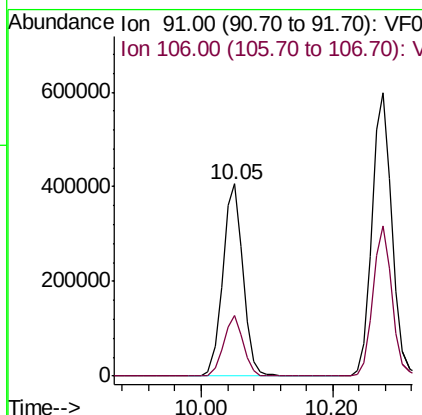
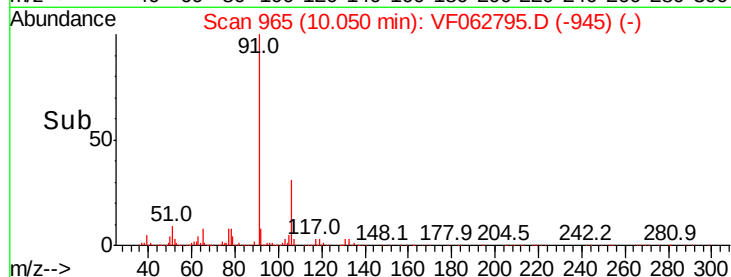
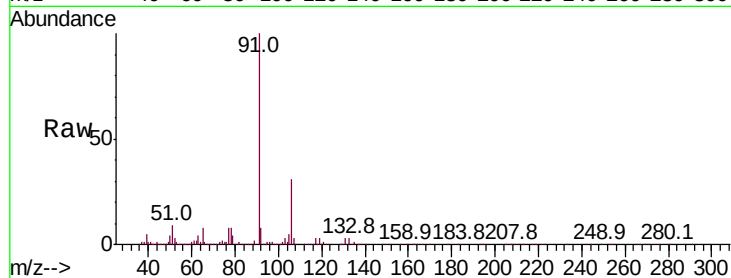
VSTDIC020

Tot Ion: 91 Resp: 870656

Ion Ratio Lower Upper

91 100

106 31.3 26.0 39.0



#68

m/p-Xylenes

Concen: 39.925 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062795.D

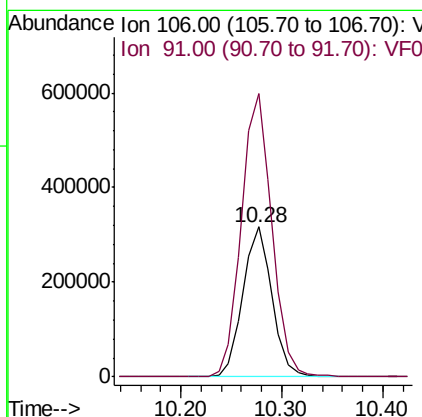
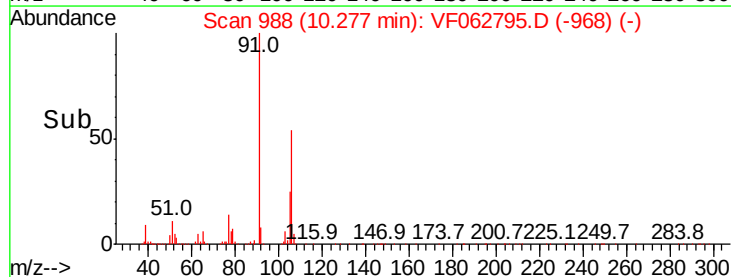
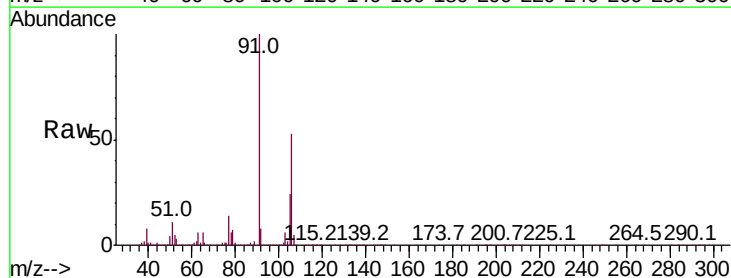
Acq: 30 May 2019 15:03

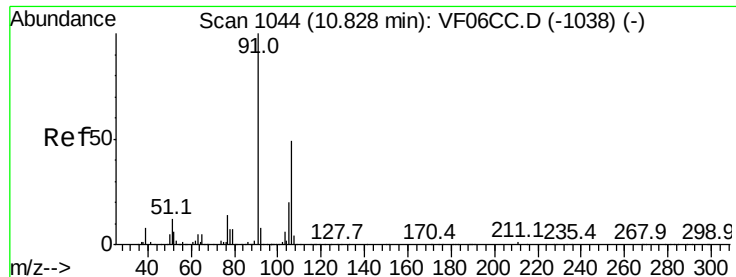
Tgt Ion: 106 Resp: 639645

Ion Ratio Lower Upper

106 100

91 188.7 136.2 204.4

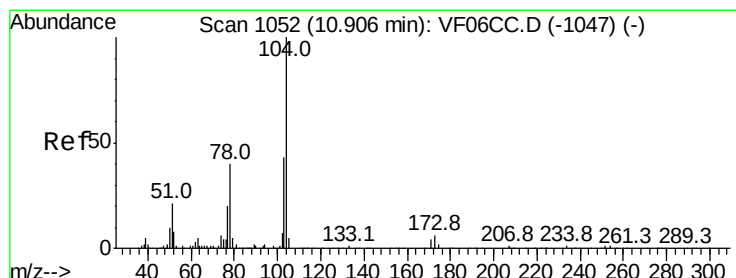
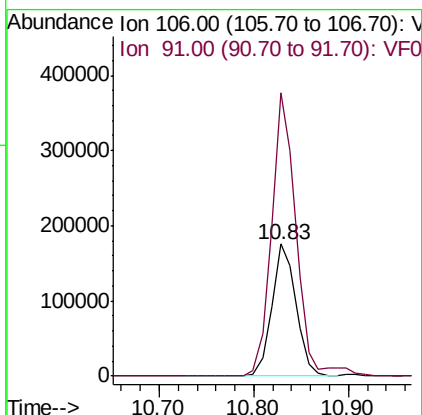
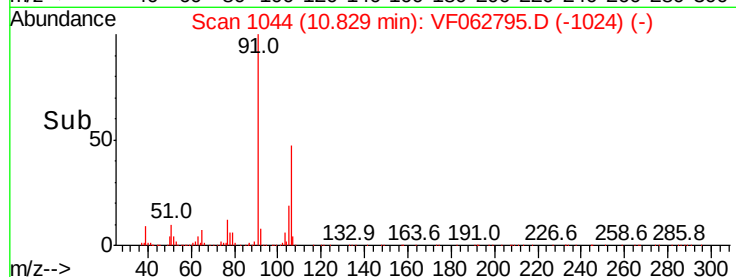
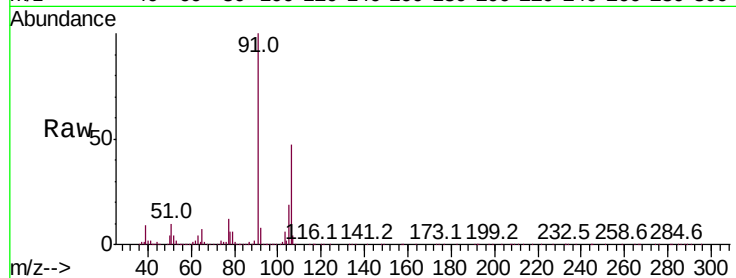




#69
o-Xylene
Concen: 19.301 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

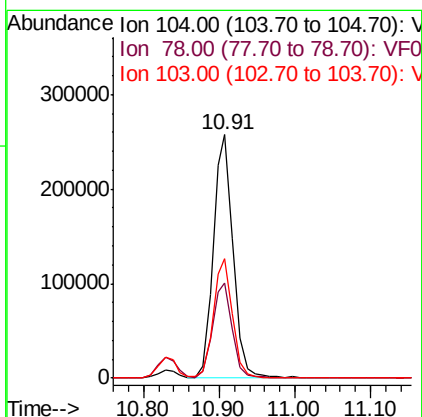
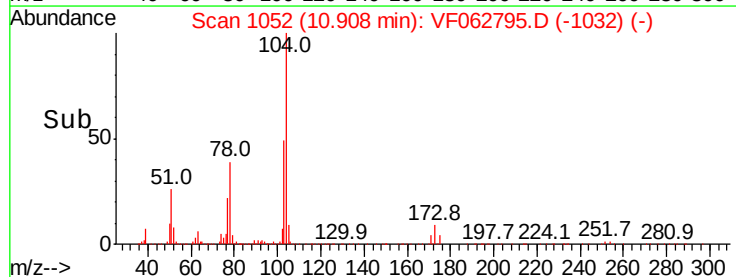
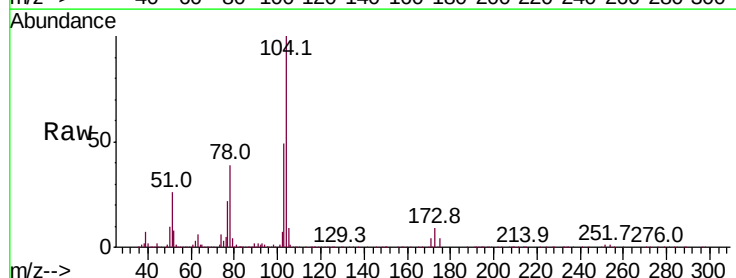
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

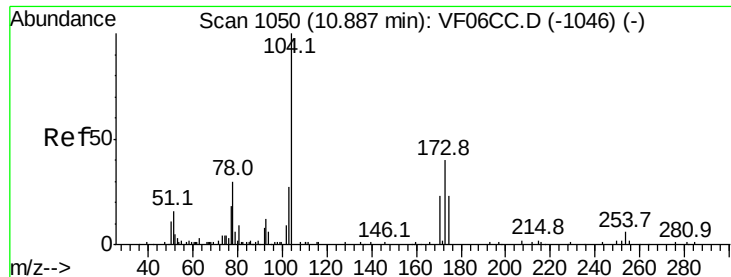
Tot Ion:106 Resp: 313453
Ion Ratio Lower Upper
106 100
91 214.9 96.6 289.8



#70
Styrene
Concen: 19.697 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:104 Resp: 470338
Ion Ratio Lower Upper
104 100
78 39.1 30.8 46.2
103 48.9 35.8 53.6





#71

Bromoform

Concen: 19.612 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

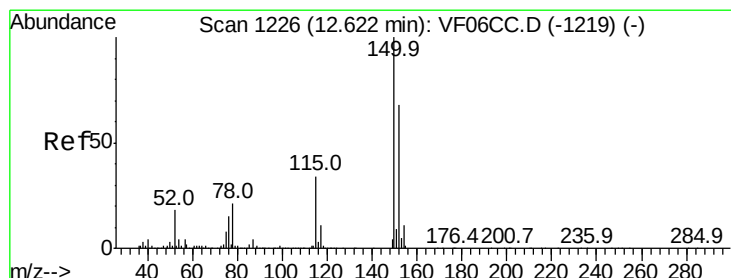
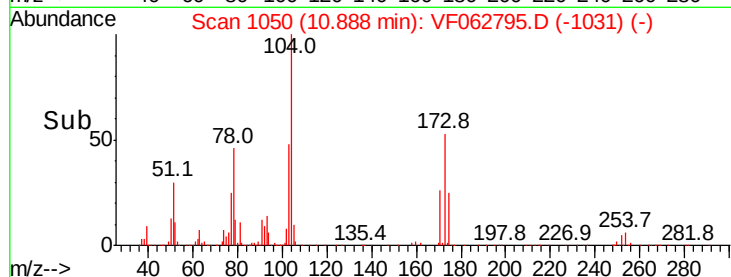
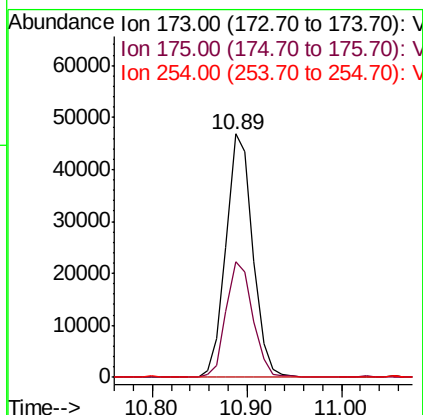
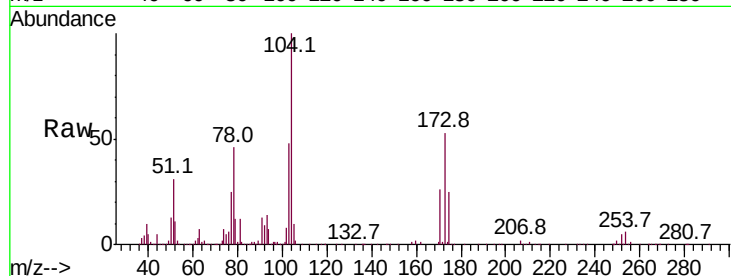
Tot Ion:173 Resp: 91763

Ion Ratio Lower Upper

173 100

175 46.5 24.6 74.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

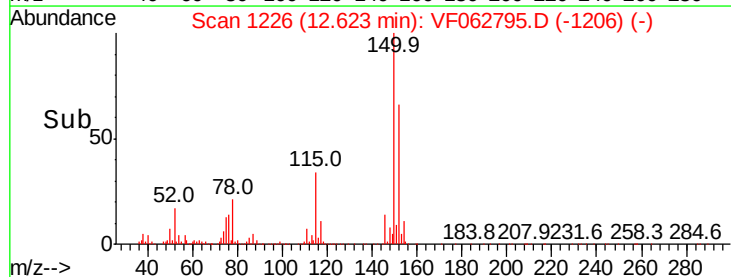
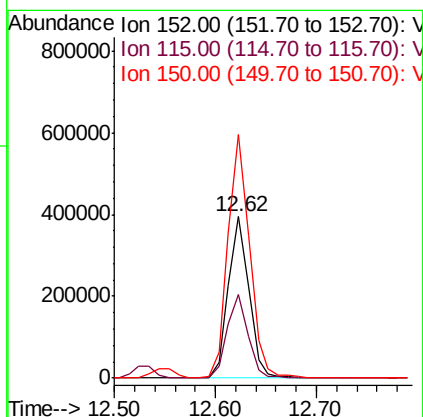
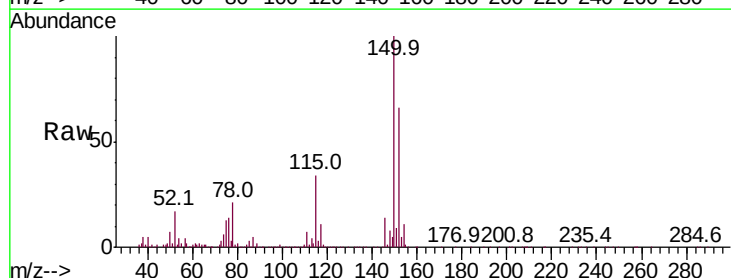
Tgt Ion:152 Resp: 564858

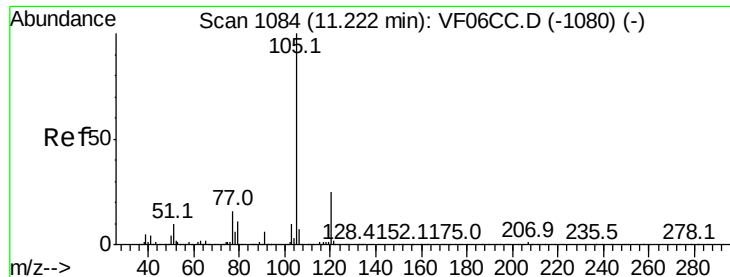
Ion Ratio Lower Upper

152 100

115 51.8 24.6 74.0

150 151.1 0.0 290.6





#73

Isopropylbenzene

Concen: 18.656 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

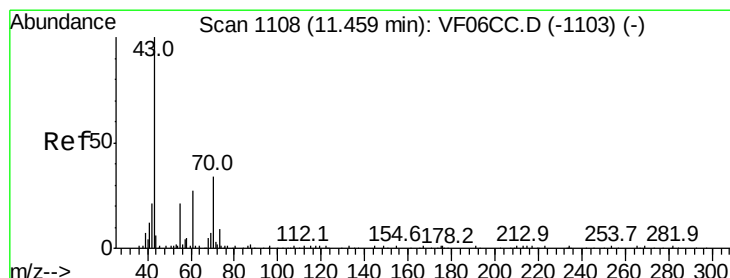
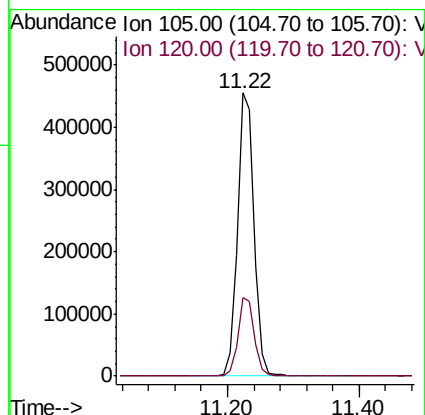
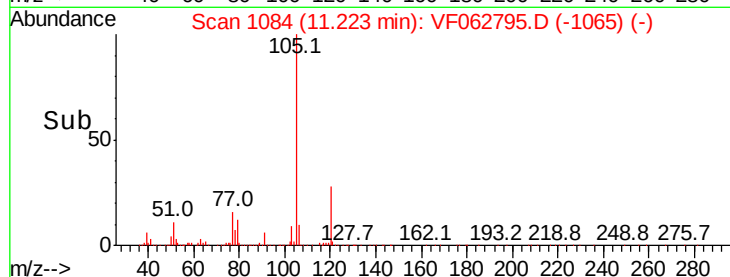
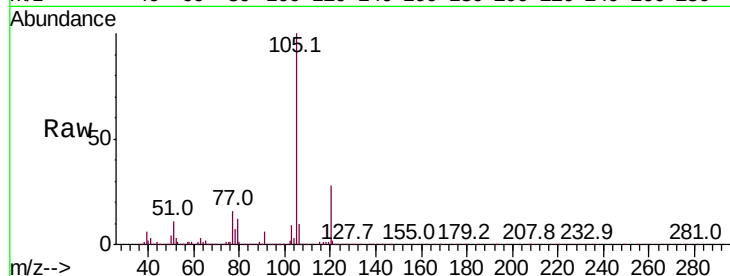
VSTDIC020

Tot Ion:105 Resp: 797233

Ion Ratio Lower Upper

105 100

120 27.9 15.1 45.3



#74

N-ethyl acetate

Concen: 19.316 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion: 43 Resp: 234169

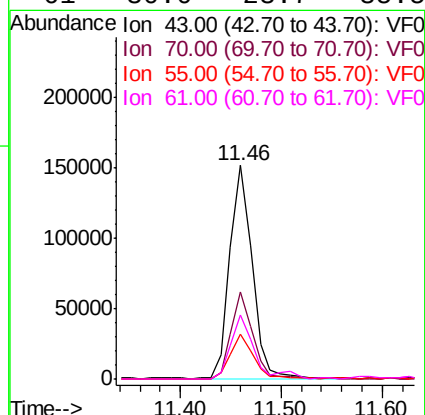
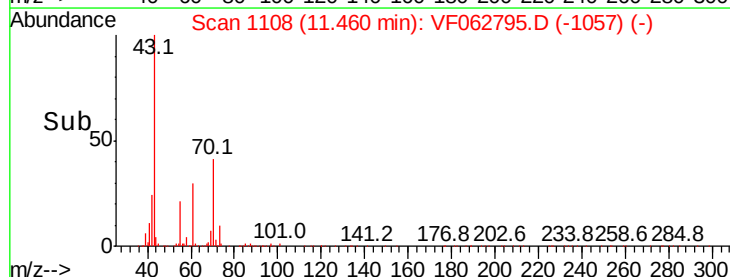
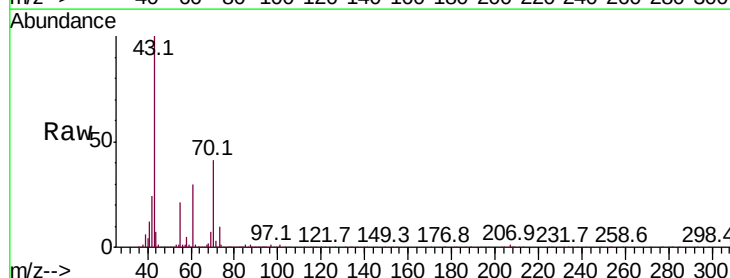
Ion Ratio Lower Upper

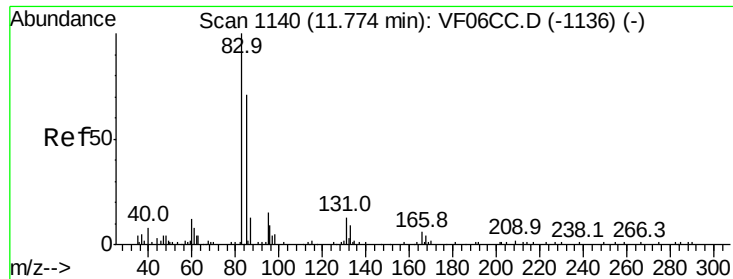
43 100

70 40.8 32.9 49.3

55 21.2 17.3 25.9

61 30.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.763 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

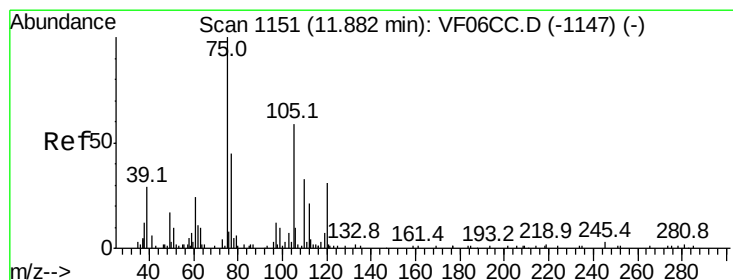
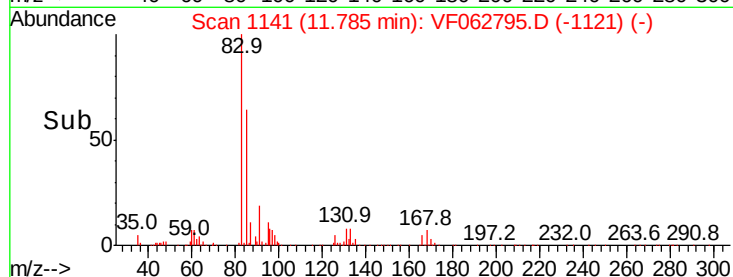
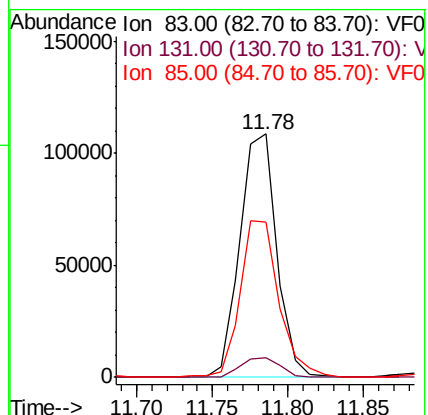
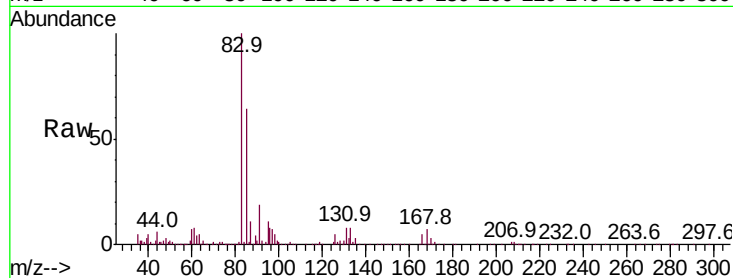
Tot Ion: 83 Resp: 182488

Ion Ratio Lower Upper

83 100

131 8.0 4.9 14.7

85 64.0 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 19.695 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062795.D

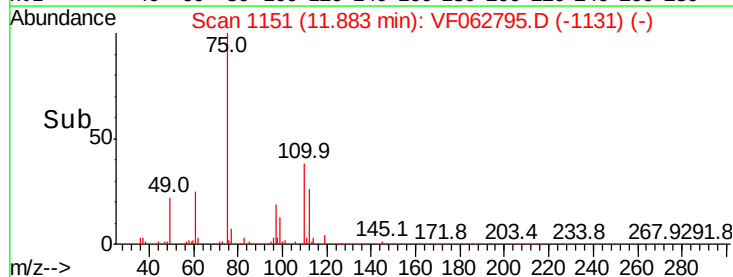
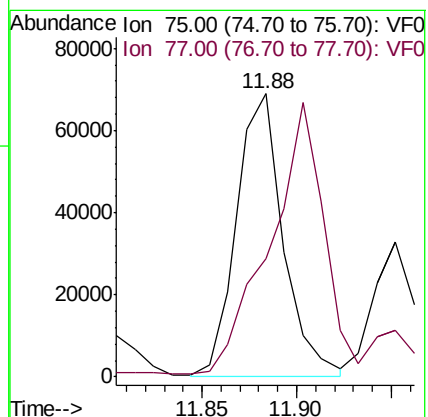
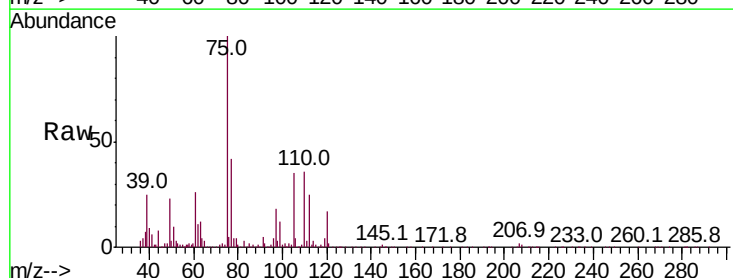
Acq: 30 May 2019 15:03

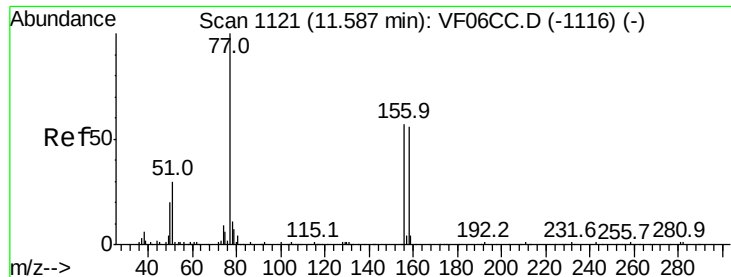
Tgt Ion: 75 Resp: 116962

Ion Ratio Lower Upper

75 100

77 41.8 20.1 60.2





#77

Bromobenzene

Concen: 19.554 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

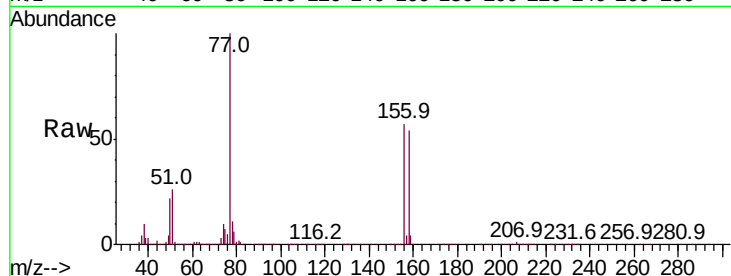
Tot Ion:156 Resp: 204641

Ion Ratio Lower Upper

156 100

77 177.0 64.2 192.6

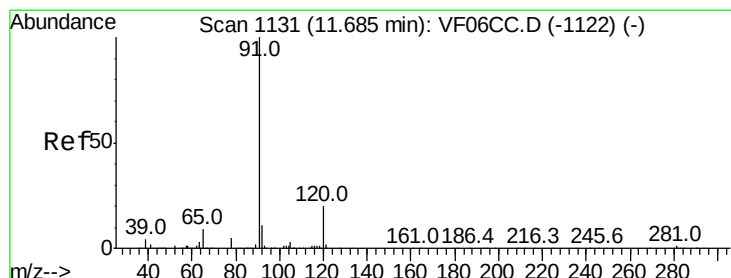
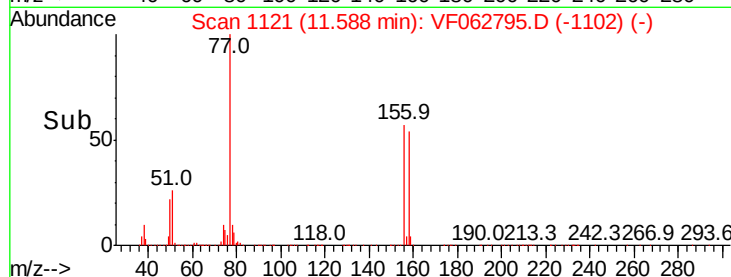
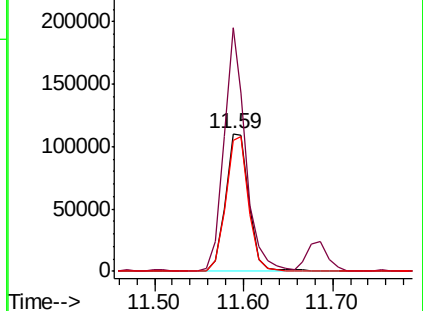
158 95.5 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.367 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062795.D

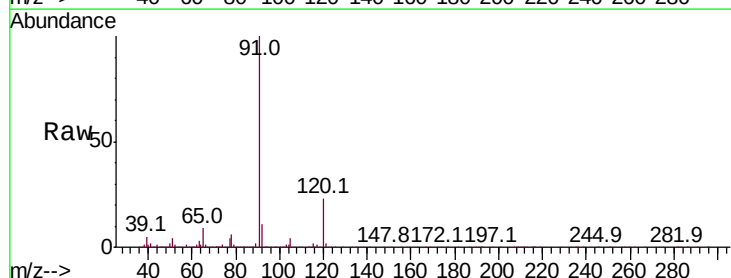
Acq: 30 May 2019 15:03

Tgt Ion: 91 Resp: 1027110

Ion Ratio Lower Upper

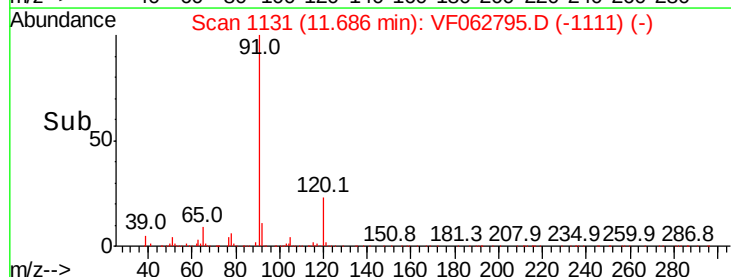
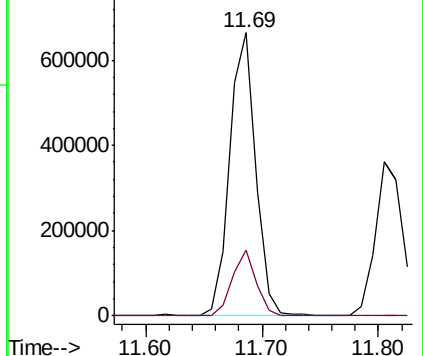
91 100

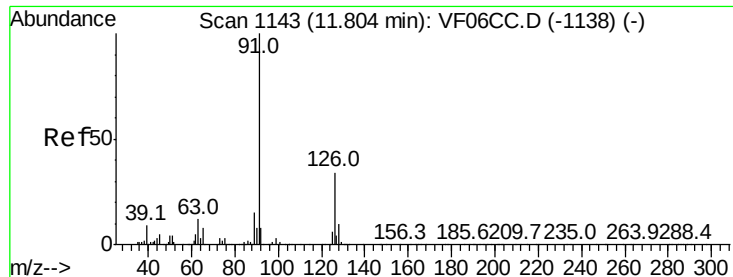
120 23.2 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

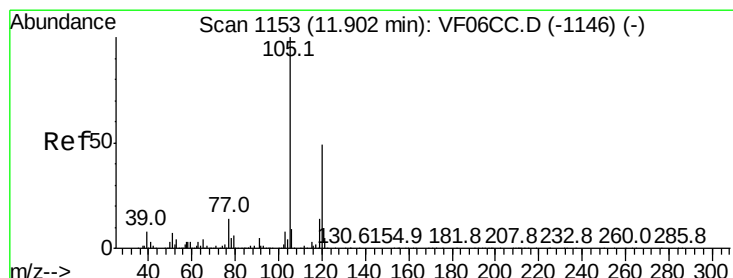
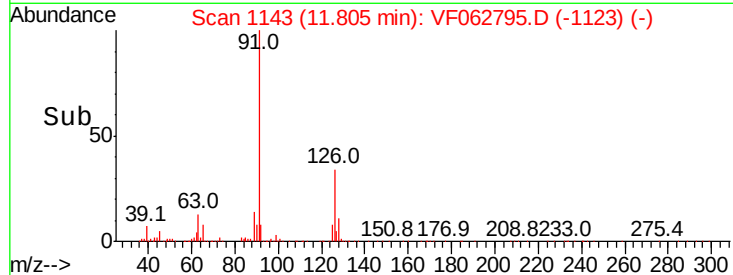
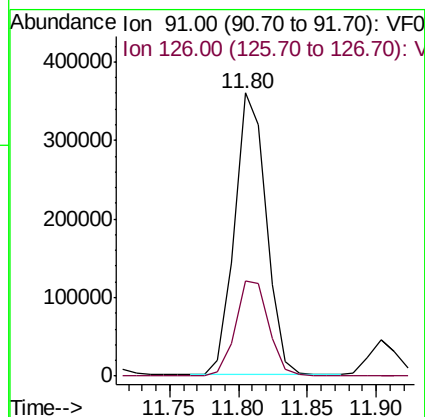
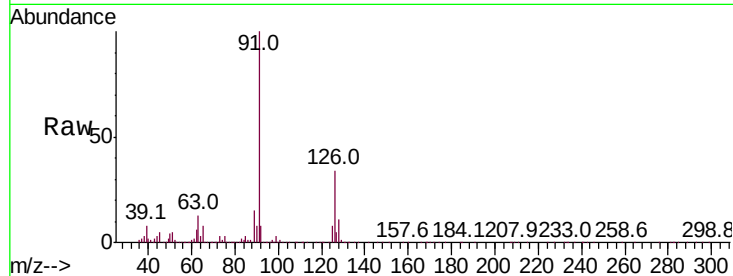




#79
 2-Chlorotoluene
 Concen: 19.811 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

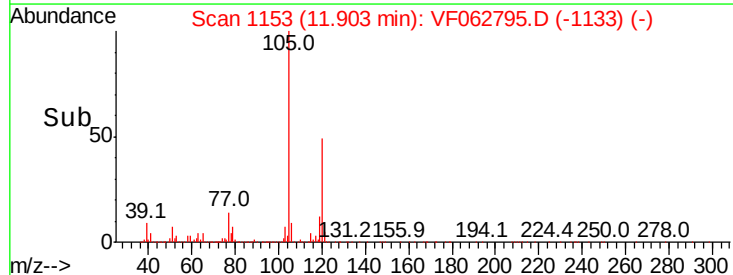
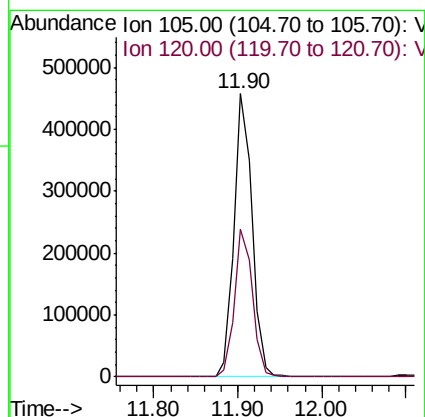
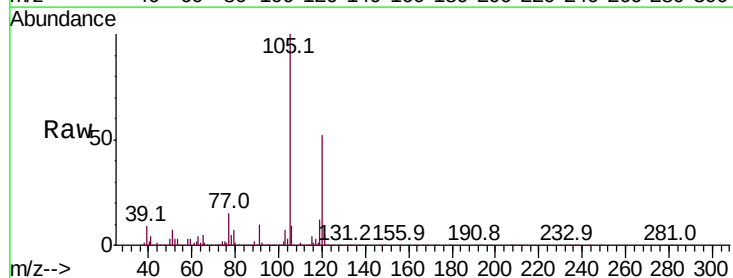
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

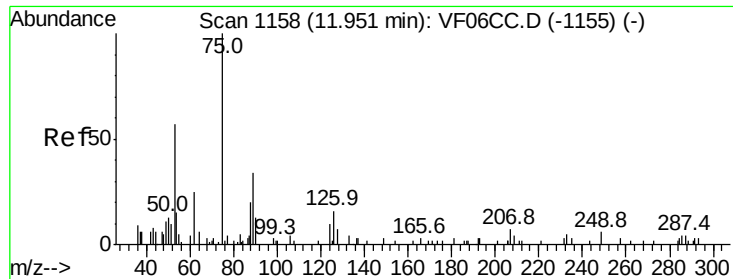
Tot Ion: 91 Resp: 575511
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.649 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion: 105 Resp: 684523
 Ion Ratio Lower Upper
 105 100
 120 52.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.798 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

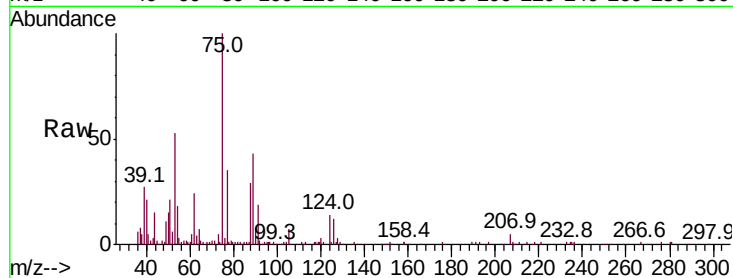
Tot Ion: 75 Resp: 52096

Ion Ratio Lower Upper

75 100

53 52.6 43.5 65.3

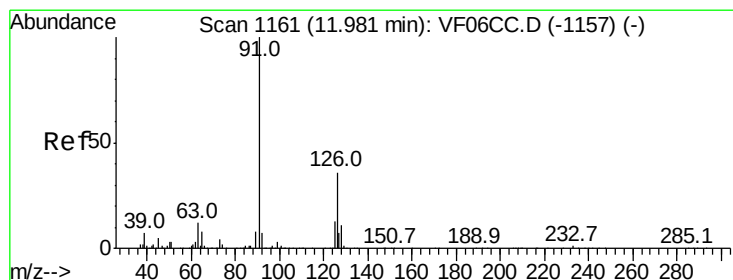
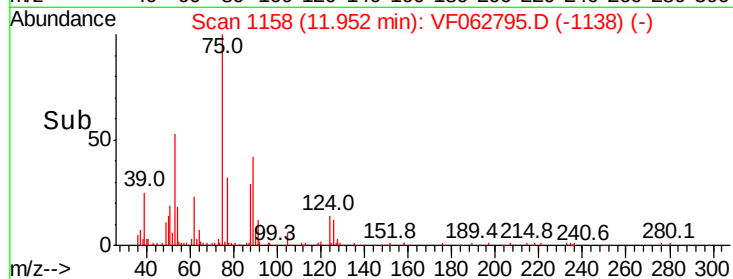
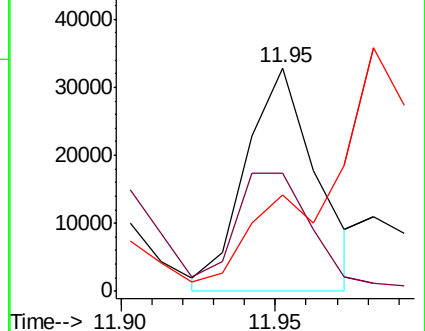
89 43.2 34.3 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.696 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062795.D

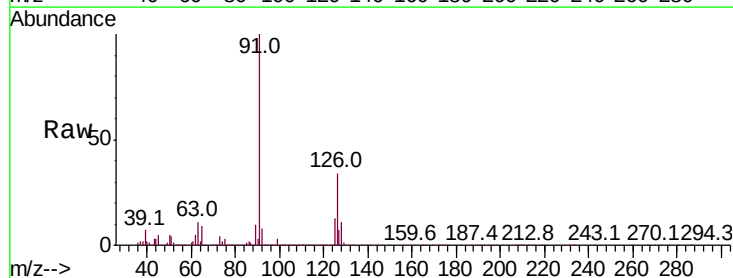
Acq: 30 May 2019 15:03

Tgt Ion: 91 Resp: 567065

Ion Ratio Lower Upper

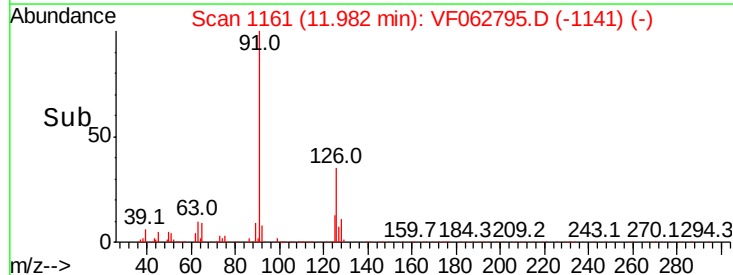
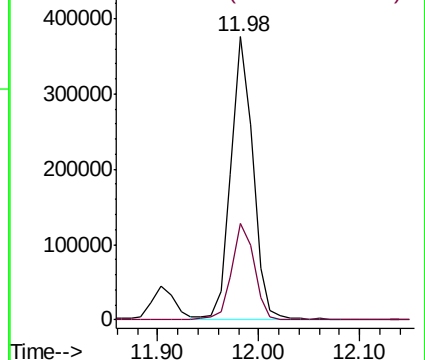
91 100

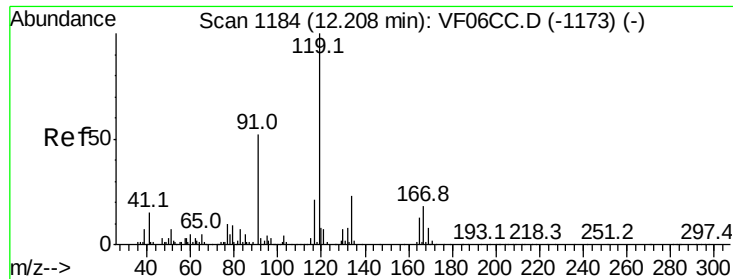
126 34.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

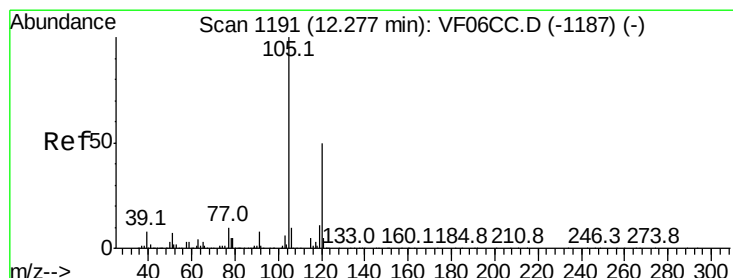
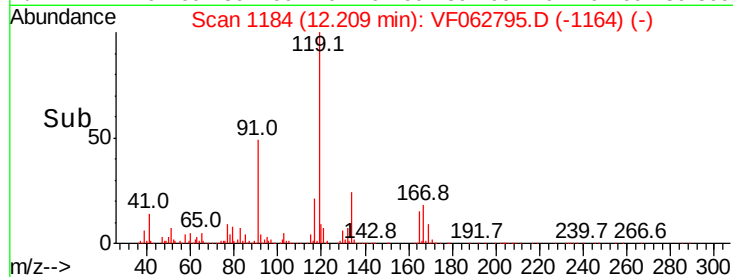
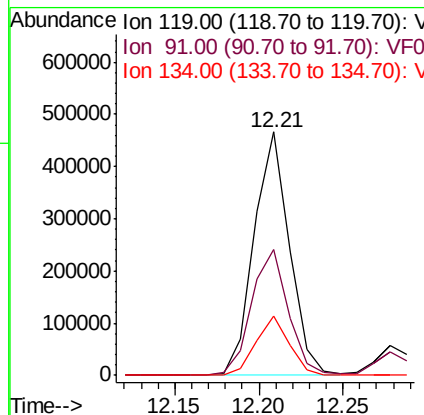
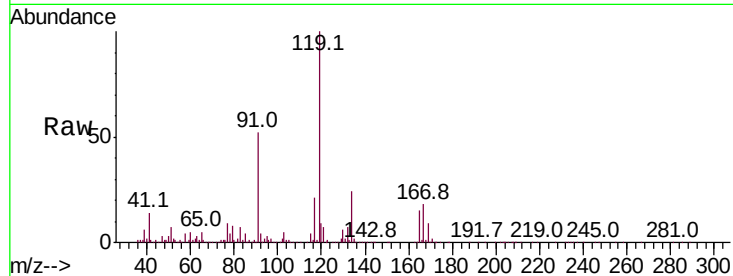




#83
 tert-Butylbenzene
 Concen: 20.165 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

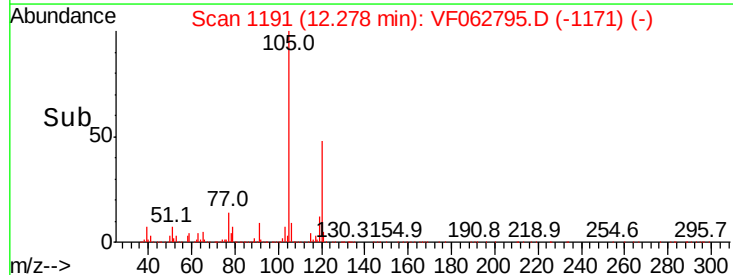
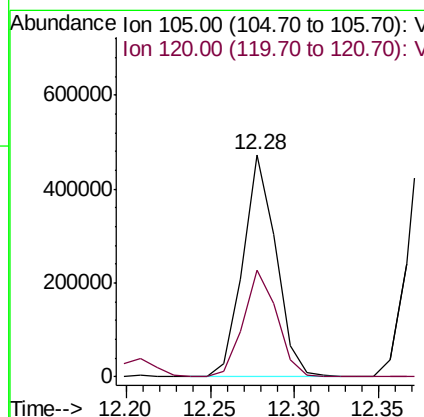
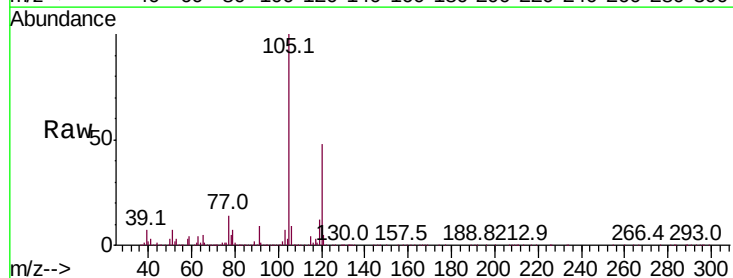
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

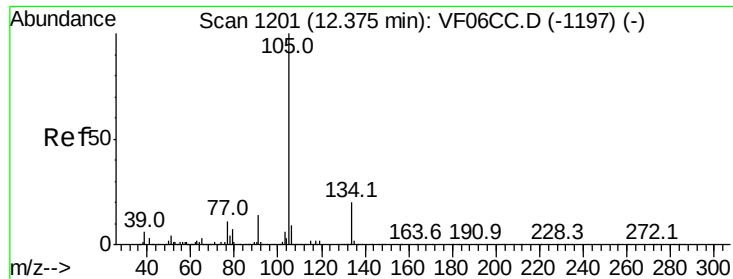
Tot Ion	Ratio	Lower	Upper
119	100		
91	51.9	28.9	86.7
134	24.3	14.3	42.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.433 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	27.1	81.3





#85

sec-Butylbenzene

Concen: 19.165 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

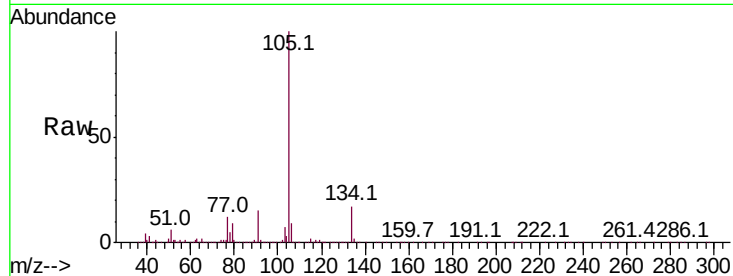
VSTDIC020

Tot Ion:105 Resp: 886145

Ion Ratio Lower Upper

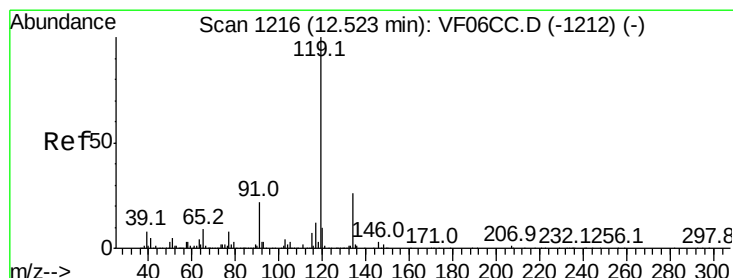
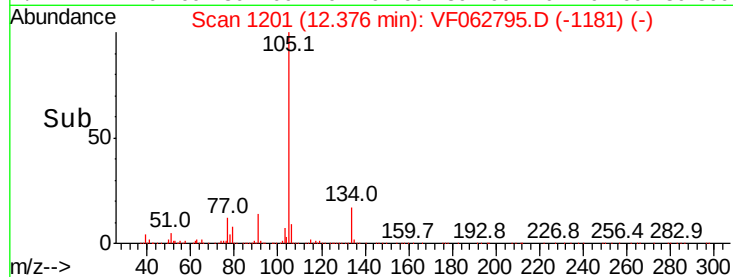
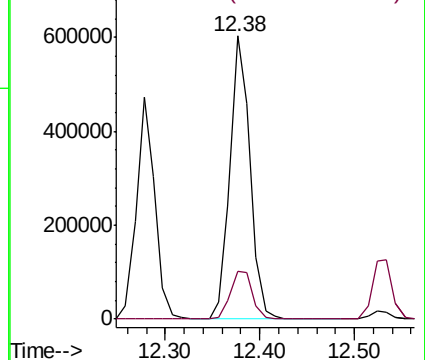
105 100

134 16.7 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.340 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

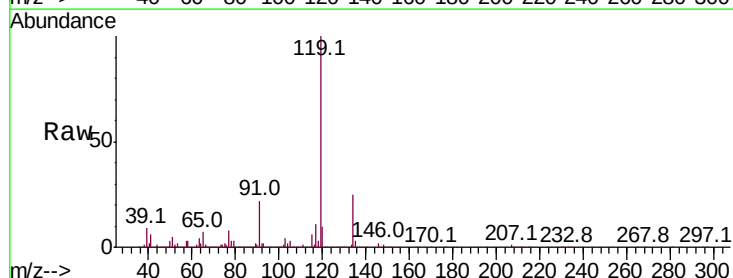
Tgt Ion:119 Resp: 735694

Ion Ratio Lower Upper

119 100

134 25.3 15.5 46.5

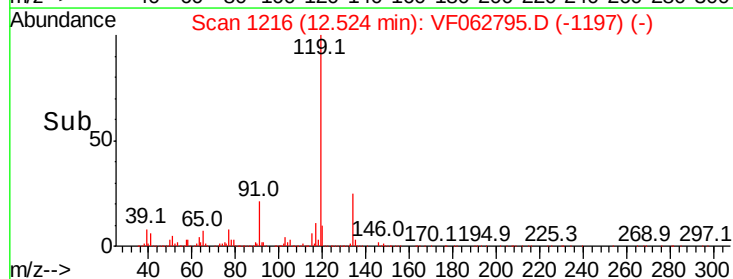
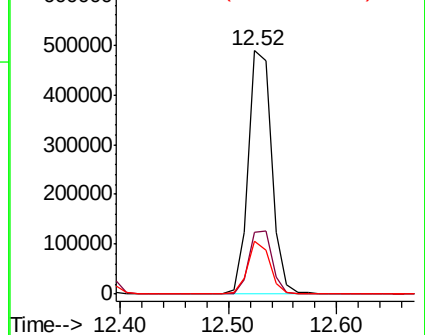
91 21.7 10.3 30.9

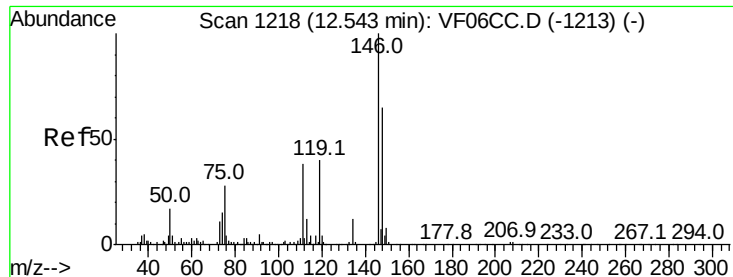


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 19.659 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

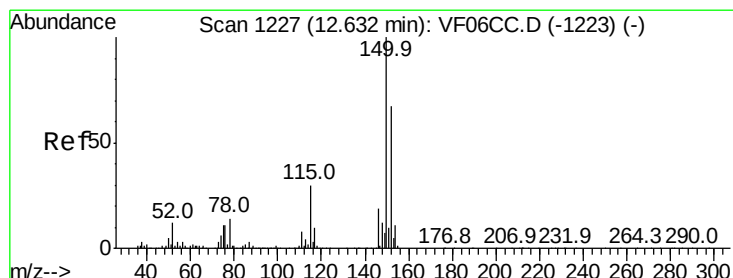
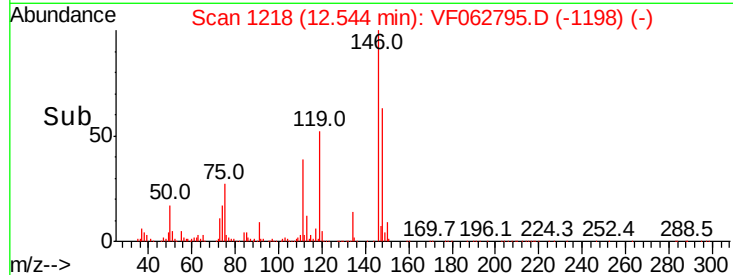
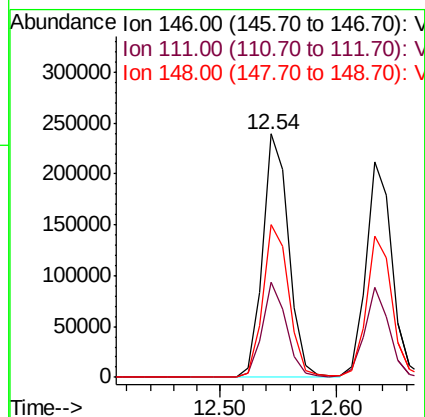
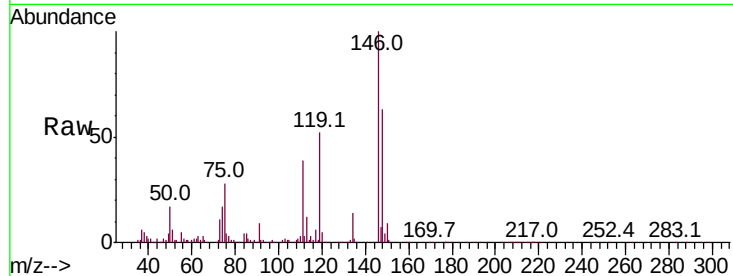
Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:146 Resp: 369413

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	62.7	34.2	102.5



#88

1,4-Dichlorobenzene

Concen: 18.636 ug/l

RT: 12.63 min Scan# 1227

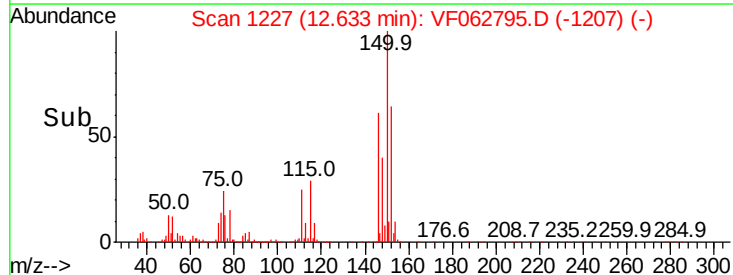
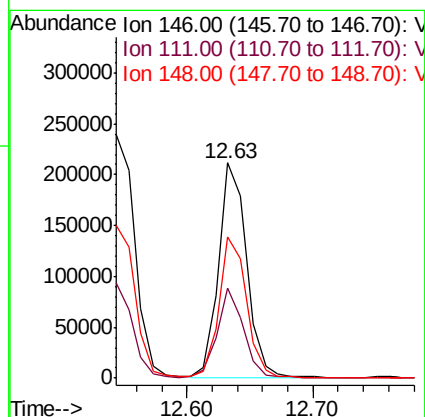
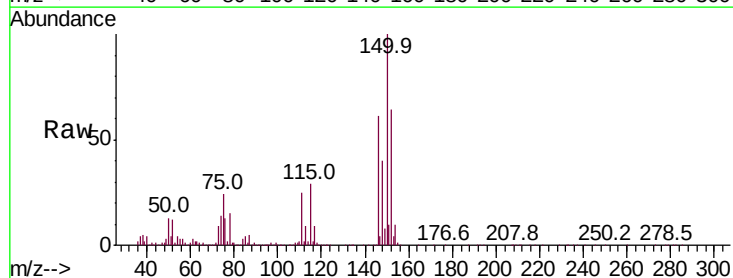
Delta R.T. -0.00 min

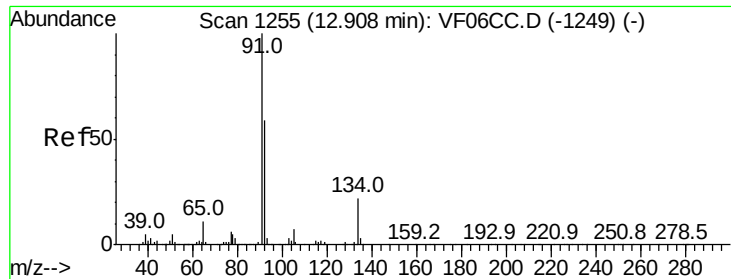
Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion:146 Resp: 326478

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	60.9
148	65.6	34.0	101.8





#89

n-Butylbenzene

Concen: 19.199 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

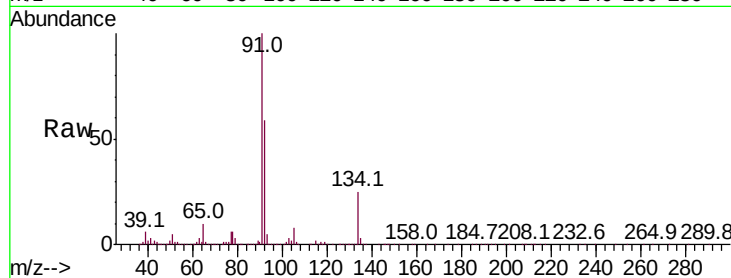
Tot Ion: 91 Resp: 752833

Ion Ratio Lower Upper

91 100

92 59.3 34.2 102.6

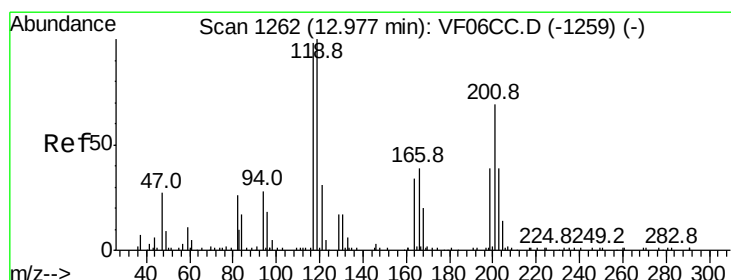
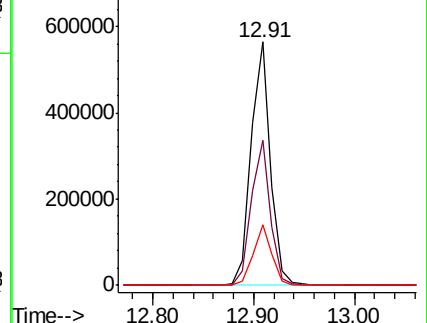
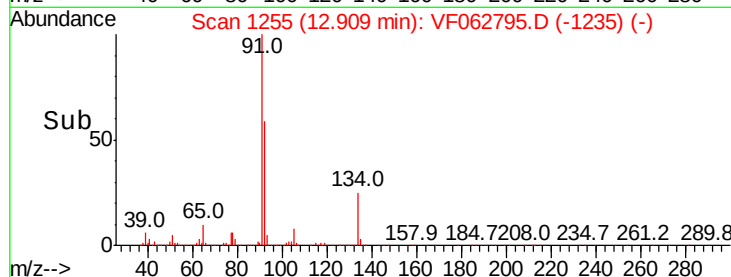
134 25.0 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.252 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VF062795.D

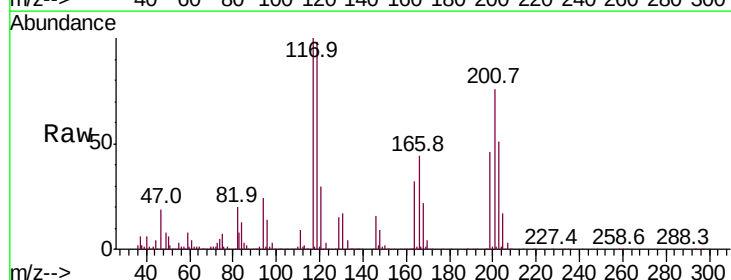
Acq: 30 May 2019 15:03

Tgt Ion: 117 Resp: 173880

Ion Ratio Lower Upper

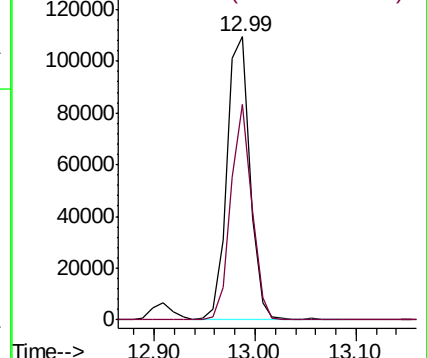
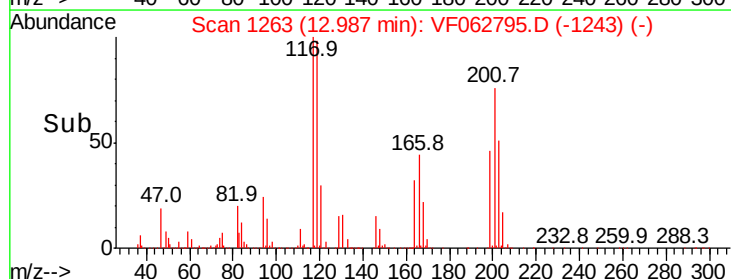
117 100

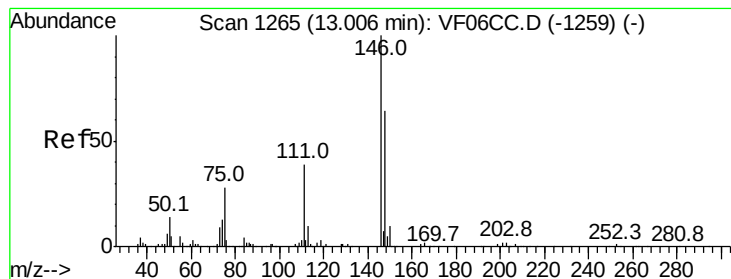
201 77.4 38.9 116.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 18.613 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

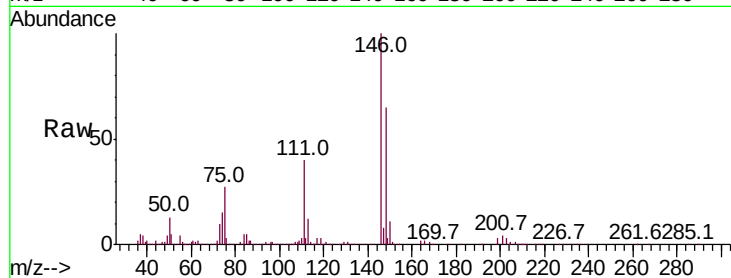
Tot Ion:146 Resp: 307093

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

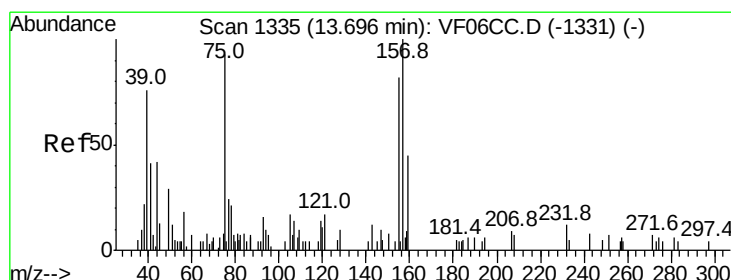
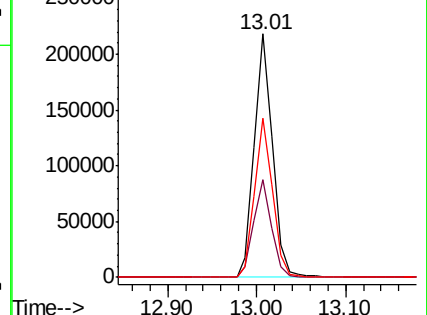
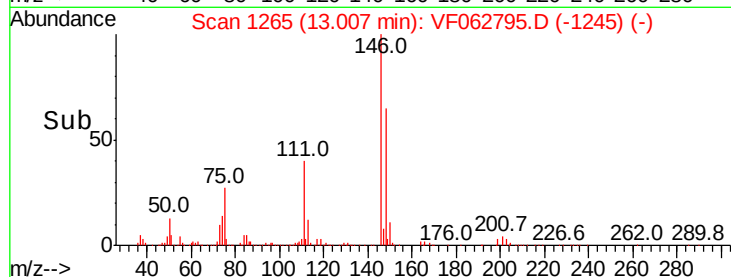
148 65.2 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.309 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

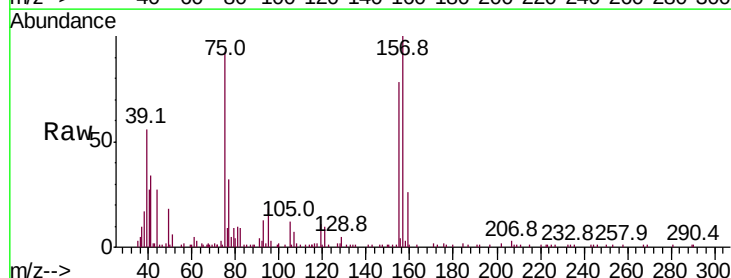
Tgt Ion: 75 Resp: 18978

Ion Ratio Lower Upper

75 100

155 89.7 51.7 155.1

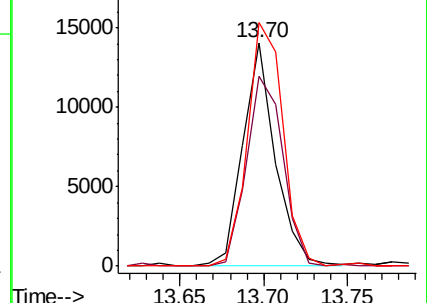
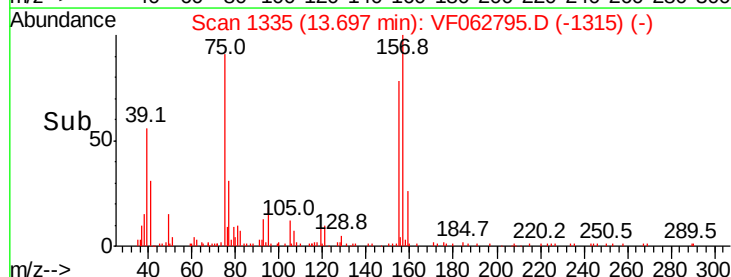
157 108.9 66.8 200.6

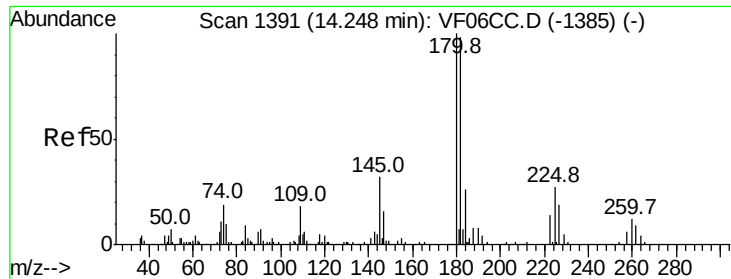


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

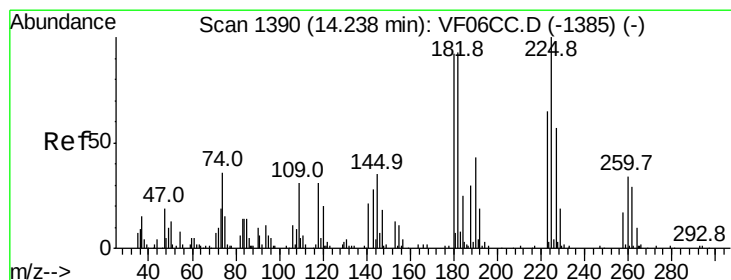
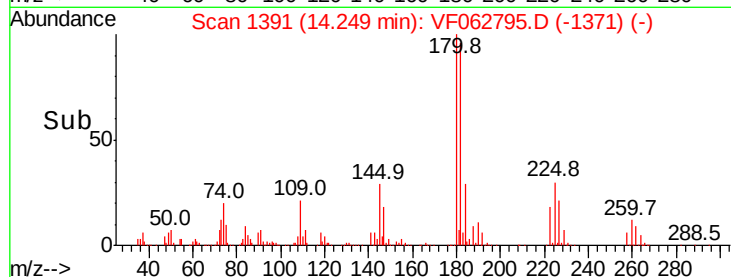
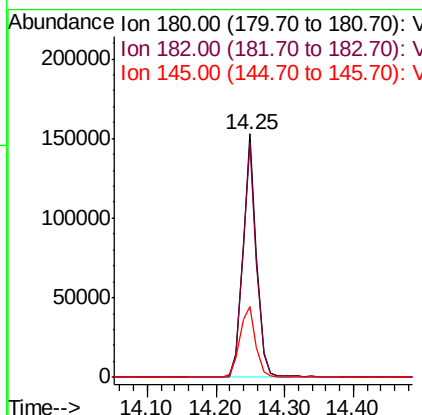
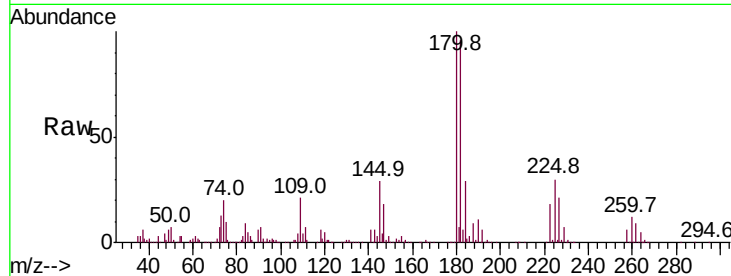




#93
 1,2,4-Trichlorobenzene
 Concen: 18.412 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

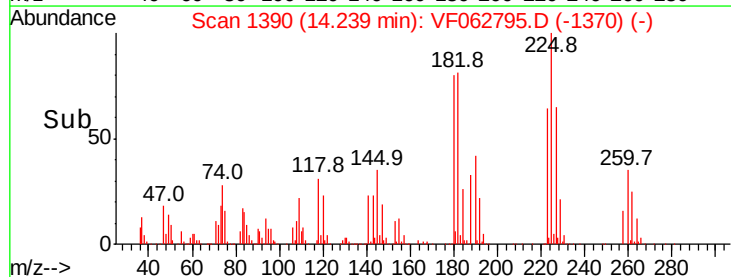
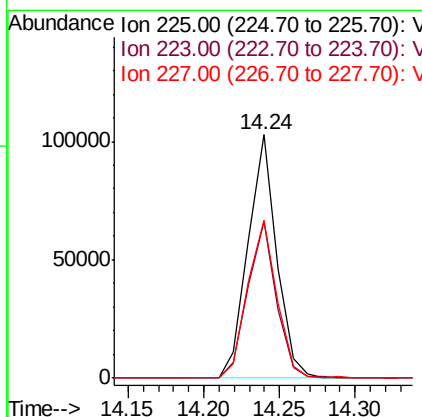
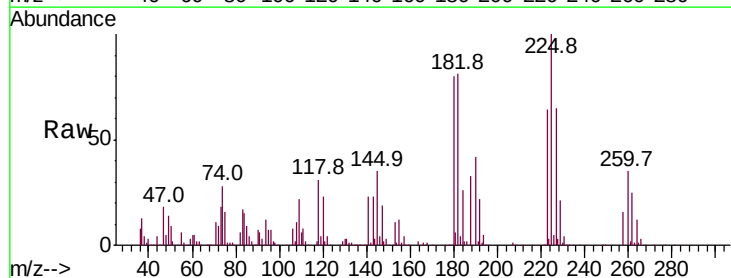
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

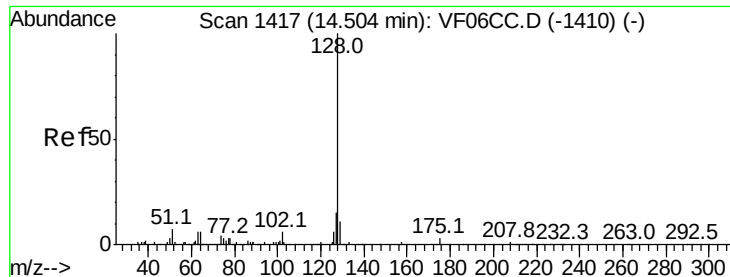
Tot Ion:180 Resp: 206158
 Ion Ratio Lower Upper
 180 100
 182 96.4 50.3 150.9
 145 28.9 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 17.641 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion:225 Resp: 135723
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.8 92.4
 227 65.0 31.9 95.5

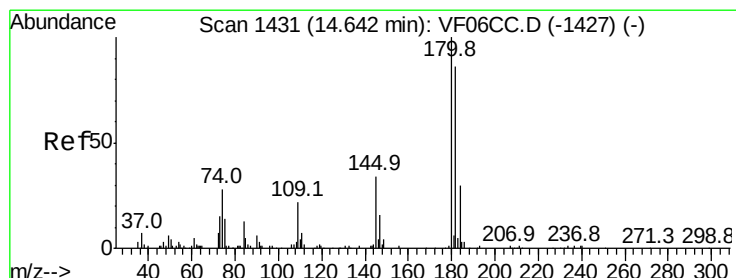
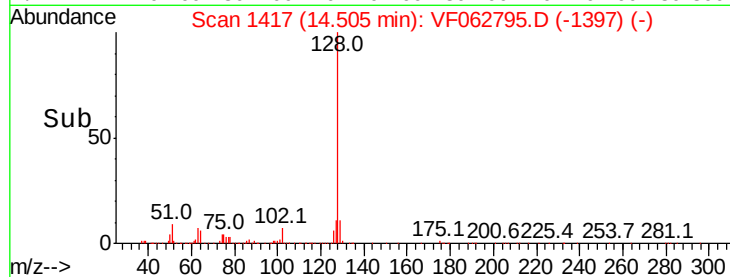
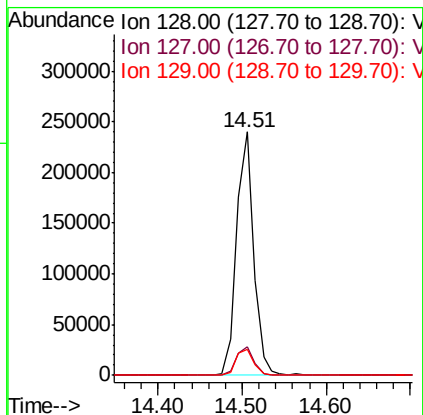
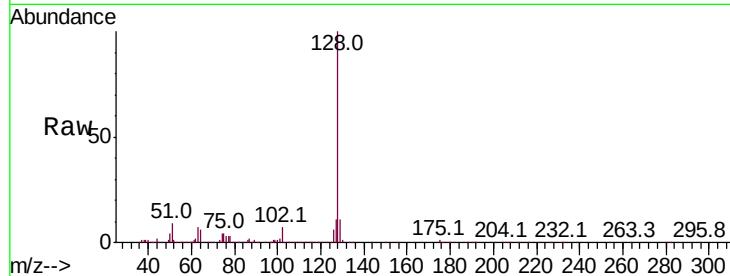




#95
Naphthalene
Concen: 19.203 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.7	14.5
129	10.9	9.4	14.2



#96
1,2,3-Trichlorobenzene
Concen: 18.669 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.6	145.9
145	27.1	15.7	47.0

