

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062813.D
 Acq On : 31 May 2019 17:14
 Operator : FY/SY
 Sample : K3097-02
 Misc : 5.02g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0422-HR-2(HACKENSACK)

Quant Time: Jun 01 00:56:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	82	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	201	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.03	117	67	50.00	ug/l	0.09
72) 1,4-Dichlorobenzene-d4	12.64	152	61	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	173	305.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	610.20%	
35) Dibromofluoromethane	4.38	113	107	70.45	ug/l	0.04
Spiked Amount	50.000		Recovery	=	140.90%	
50) Toluene-d8	7.74	98	138	35.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.86%	
62) 4-Bromofluorobenzene	11.60	95	748	541.40	ug/l	0.09
Spiked Amount	50.000		Recovery	=	1082.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.03	85	296	344.382	ug/l #	39
3) Chloromethane	1.14	50	565	665.912	ug/l #	41
4) Vinyl Chloride	1.19	62	132	156.557	ug/l #	42
5) Bromomethane	1.49	94	760	1580.556	ug/l	92
6) Chloroethane	1.48	64	382	1211.768	ug/l #	5
7) Trichlorofluoromethane	1.60	101	101	84.617	ug/l #	35
8) Diethyl Ether	1.76	74	158	672.813	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.97	101	136	181.229	ug/l #	11
10) Methyl Iodide	2.04	142	176	116.970	ug/l #	83
11) Tert butyl alcohol	2.70	59	218	6346.350	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	603	884.912	ug/l #	37
13) Acrolein	2.12	56	285	21462.727	ug/l #	32
14) Allyl chloride	2.21	41	344	650.720	ug/l #	33
15) Acrylonitrile	3.10	53	289	2239.015	ug/l #	63
16) Acetone	2.50	43	1454	11203.439	ug/l	94
17) Carbon Disulfide	1.92	76	297	149.124	ug/l #	1
18) Methyl Acetate	2.50	43	1454	6411.154	ug/l	93
19) Methyl tert-butyl Ether	2.58	73	707	572.675	ug/l	94
20) Methylene Chloride	2.36	84	474	772.495	ug/l #	55
21) trans-1,2-Dichloroethene	2.45	96	690	1009.907	ug/l #	21
22) Diisopropyl ether	2.95	45	1388	924.145	ug/l #	61
23) Vinyl Acetate	3.37	43	1859	1807.958	ug/l #	1
24) 1,1-Dichloroethane	3.00	63	78	69.556	ug/l #	1
25) 2-Butanone	4.56	43	524	1733.767	ug/l #	48
26) 2,2-Dichloropropane	3.75	77	1260	1978.843	ug/l	87
27) cis-1,2-Dichloroethene	3.66	96	344	299.528	ug/l	5
28) Bromochloromethane	3.91	49	331	542.635	ug/l #	3
29) Tetrahydrofuran	4.30	42	412	3564.159	ug/l #	11
30) Chloroform	4.21	83	195	123.381	ug/l	95
31) Cyclohexane	3.90	56	349	229.874	ug/l #	65
32) 1,1,1-Trichloroethane	4.30	97	142	154.315	ug/l #	22
36) 1,1-Dichloropropene	4.55	75	566	305.881	ug/l #	69
37) Ethyl Acetate	4.39	43	1162	1642.779	ug/l #	21
38) Carbon Tetrachloride	4.26	117	238	190.314	ug/l #	49

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.74	83	185	80.331	ug/l #	24
40) Benzene	4.91	78	332	61.649	ug/l #	52
41) Methacrylonitrile	4.97	41	943	2398.124	ug/l #	58
42) 1,2-Dichloroethane	5.25	62	426	415.916	ug/l	69
43) Isopropyl Acetate	7.21	43	1504	1609.589	ug/l #	94
44) Trichloroethene	5.77	130	186	122.380	ug/l	59
45) 1,2-Dichloropropane	6.45	63	345	255.287	ug/l #	1
46) Dibromomethane	6.36	93	157	198.981	ug/l #	30
47) Bromodichloromethane	6.64	83	206	128.198	ug/l #	7
48) Methyl methacrylate	6.99	41	1085	2253.108	ug/l #	50
49) 1,4-Dioxane	6.91	88	87	13706.261	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	428	641.577	ug/l	94
52) Toluene	7.88	92	98	33.786	ug/l #	1
53) t-1,3-Dichloropropene	8.52	75	91	68.342	ug/l #	1
54) cis-1,3-Dichloropropene	7.51	75	221	114.660	ug/l #	1
55) 1,1,2-Trichloroethane	8.76	97	247	285.039	ug/l #	36
56) Ethyl methacrylate	8.93	69	556	597.991	ug/l #	27
57) 1,3-Dichloropropane	9.05	76	529	373.830	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.56	63	144	443.148	ug/l #	51
59) 2-Hexanone	9.75	43	764	1606.757	ug/l	66
60) Dibromochloromethane	8.98	129	216	201.336	ug/l #	37
61) 1,2-Dibromoethane	9.22	107	140	155.563	ug/l	87
64) Tetrachloroethene	8.31	164	66	128.192	ug/l #	18
65) Chlorobenzene	9.96	112	219	169.259	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	65	126.141	ug/l #	6
67) Ethyl Benzene	10.05	91	102	45.939	ug/l #	42
68) m/p-Xylenes	10.27	106	92	108.280	ug/l #	1
69) o-Xylene	10.77	106	278	323.167	ug/l	46
70) Styrene	10.94	104	117	92.276	ug/l #	49
71) Bromoform	10.88	173	84	339.810	ug/l #	37
73) Isopropylbenzene	11.23	105	157	36.886	ug/l #	16
74) N-amyl acetate	11.47	43	642	535.171	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.76	83	61	67.111	ug/l #	25
76) 1,2,3-Trichloropropane	11.82	75	464	770.120	ug/l	89
77) Bromobenzene	11.68	156	63	58.909	ug/l #	46
78) n-propylbenzene	11.76	91	233	45.338	ug/l	87
79) 2-Chlorotoluene	11.80	91	277	94.197	ug/l	84
80) 1,3,5-Trimethylbenzene	11.99	105	290	83.314	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.97	75	327	1281.945	ug/l #	32
82) 4-Chlorotoluene	12.00	91	127	43.946	ug/l #	37
83) tert-Butylbenzene	12.21	119	221	64.076	ug/l #	75
84) 1,2,4-Trimethylbenzene	12.29	105	216	65.450	ug/l #	1
85) sec-Butylbenzene	12.37	105	313	68.871	ug/l #	55
86) p-Isopropyltoluene	12.55	119	73	19.298	ug/l #	10
87) 1,3-Dichlorobenzene	12.53	146	104	55.141	ug/l #	73
88) 1,4-Dichlorobenzene	12.65	146	69	39.201	ug/l #	1
89) n-Butylbenzene	12.87	91	312	81.992	ug/l #	41
90) Hexachloroethane	13.03	117	71	76.954	ug/l	73
91) 1,2-Dichlorobenzene	13.03	146	158	95.309	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	413	4170.576	ug/l #	1

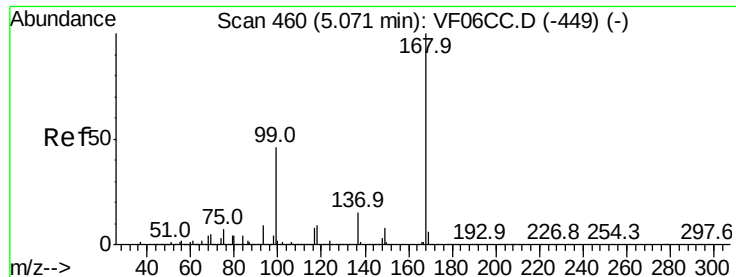
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	63	55.349	ug/l #	87
94) Hexachlorobutadiene	14.25	225	145	184.141	ug/l #	19
95) Naphthalene	14.49	128	220	117.977	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.63	180	344	331.083	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

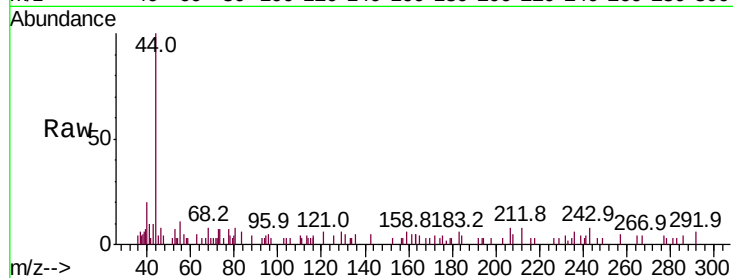
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion:168 Resp: 82

Ion Ratio Lower Upper

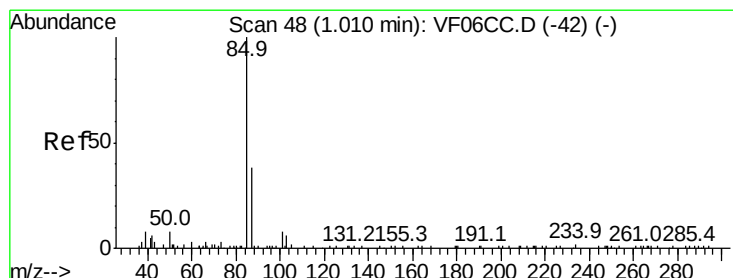
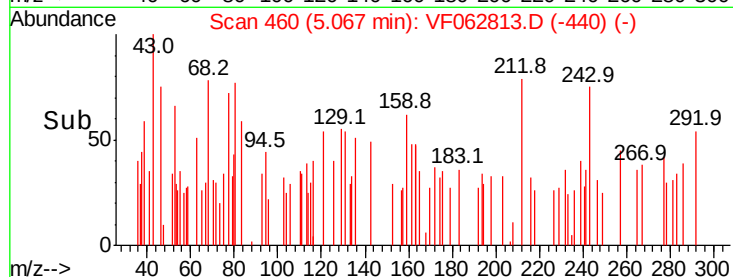
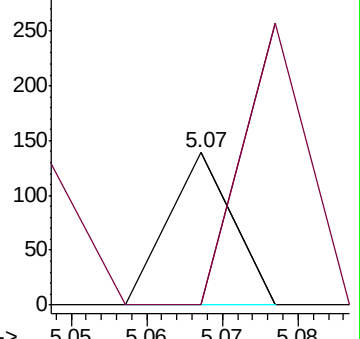
168 100

99 0.0 39.1 58.7#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 344.382 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF062813.D

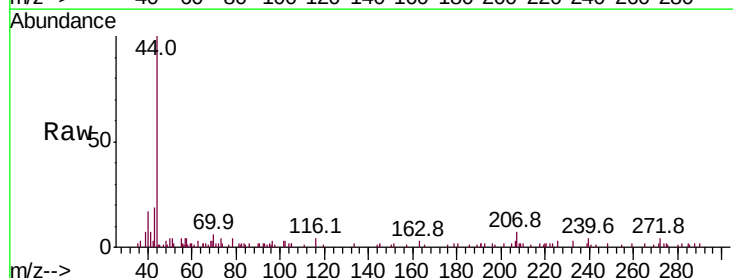
Acq: 31 May 2019 17:14

Tgt Ion: 85 Resp: 296

Ion Ratio Lower Upper

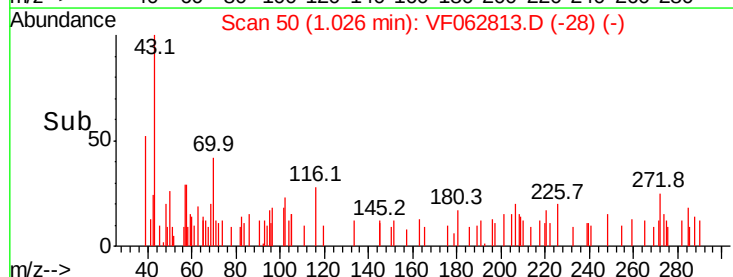
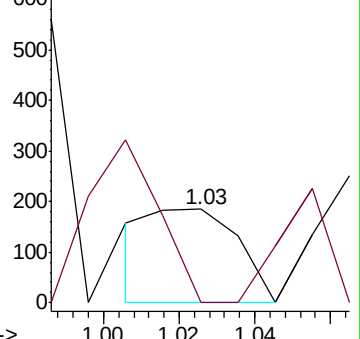
85 100

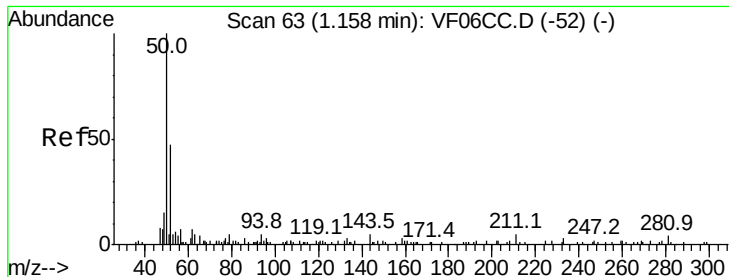
87 0.0 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 665.912 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

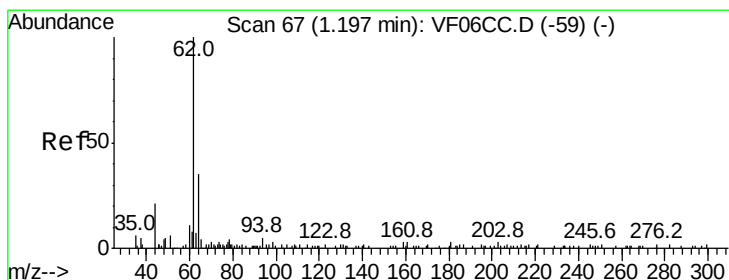
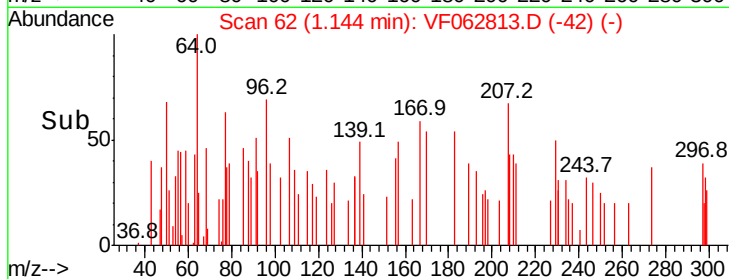
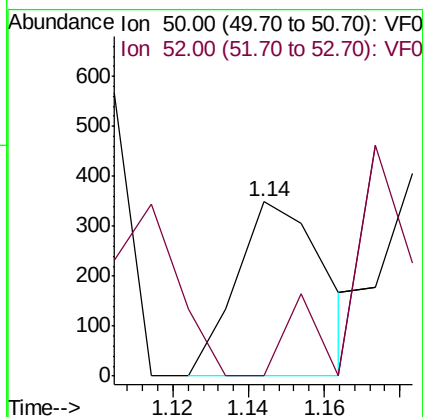
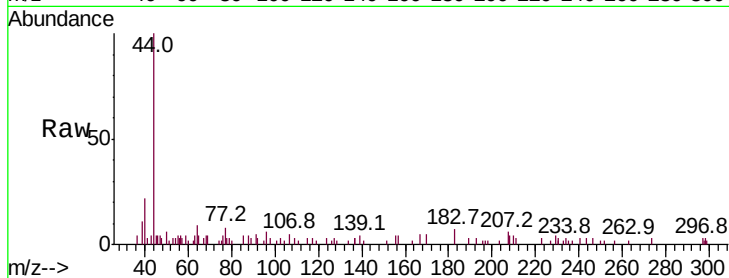
0422-HR-2(HACKENSACK)

Tot Ion: 50 Resp: 565

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



#4

Vinyl Chloride

Concen: 156.557 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062813.D

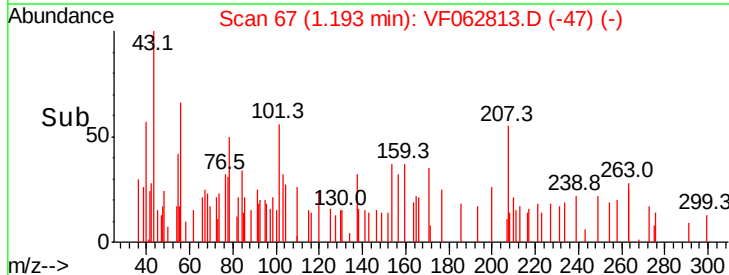
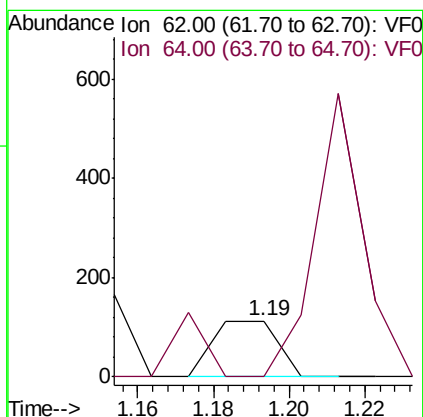
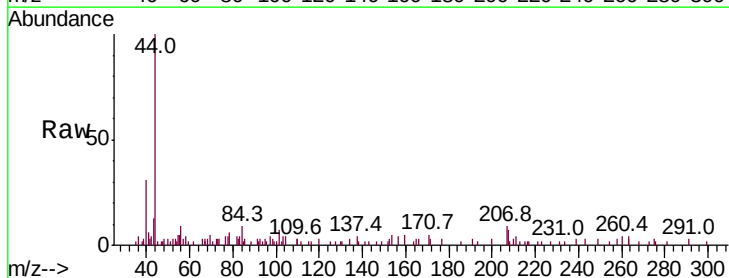
Acq: 31 May 2019 17:14

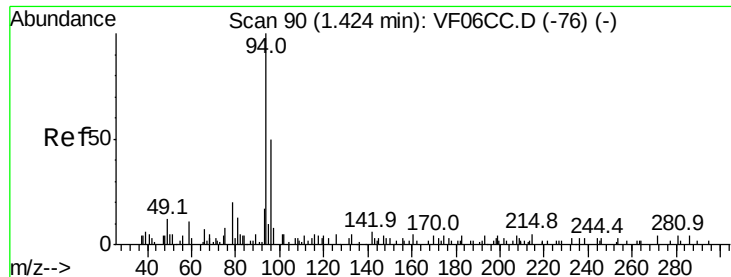
Tgt Ion: 62 Resp: 132

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#





#5

Bromomethane

Concen: 1580.556 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.08 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

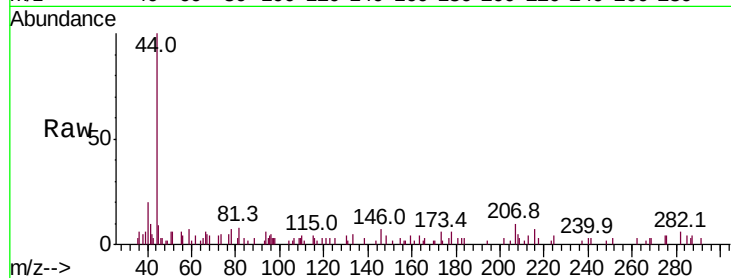
0422-HR-2(HACKENSACK)

Tot Ion: 94 Resp: 760

Ion Ratio Lower Upper

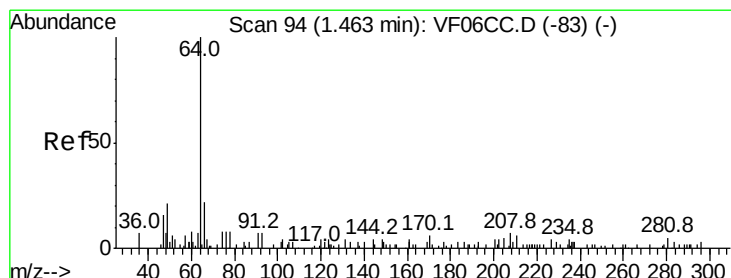
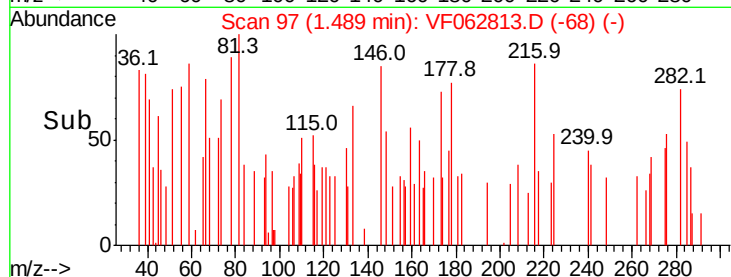
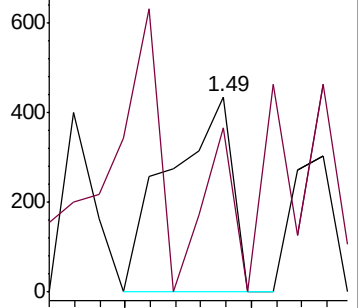
94 100

96 84.4 73.8 110.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 1211.768 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.01 min

Lab File: VF062813.D

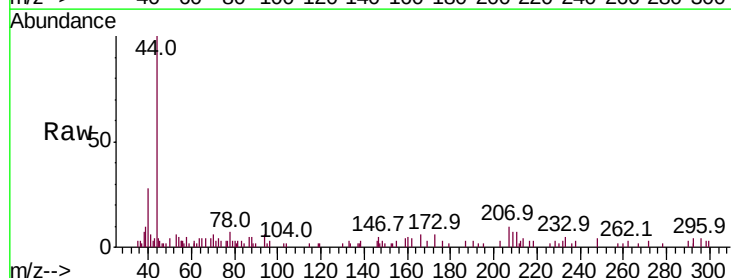
Acq: 31 May 2019 17:14

Tgt Ion: 64 Resp: 382

Ion Ratio Lower Upper

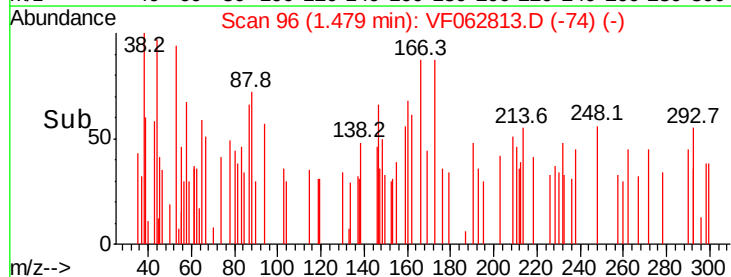
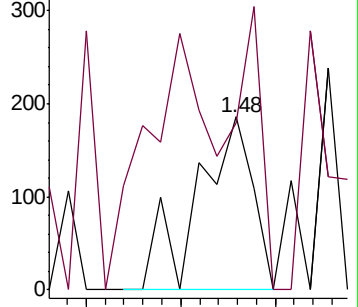
64 100

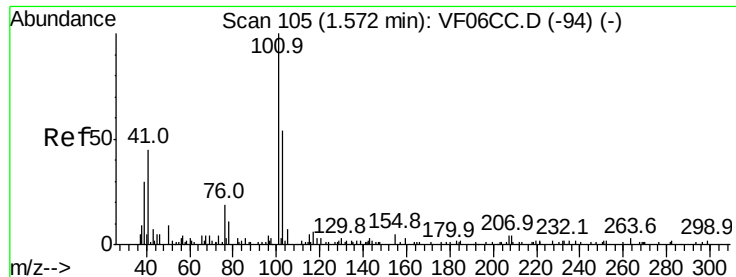
66 96.2 31.0 46.4#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



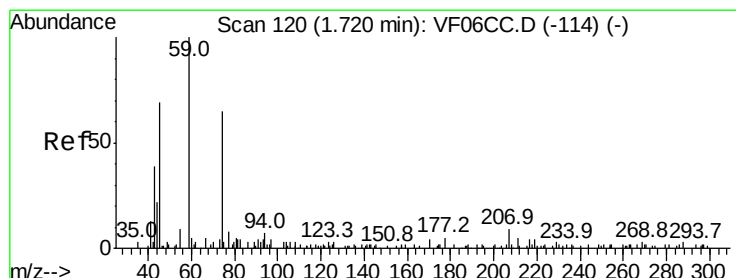
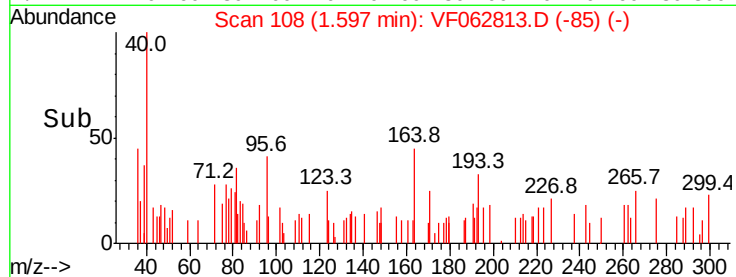
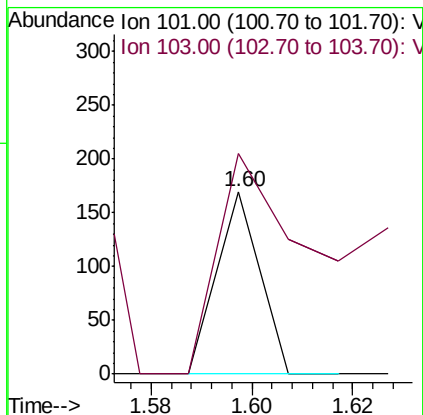
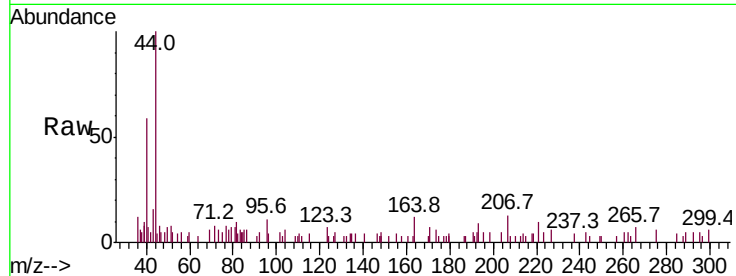


#7

Trichlorofluoromethane
 Concen: 84.617 ug/l
 RT: 1.60 min Scan# 108
 Delta R.T. 0.02 min
 Lab File: VF062813.D
 Acq: 31 May 2019 17:14

Instrument :
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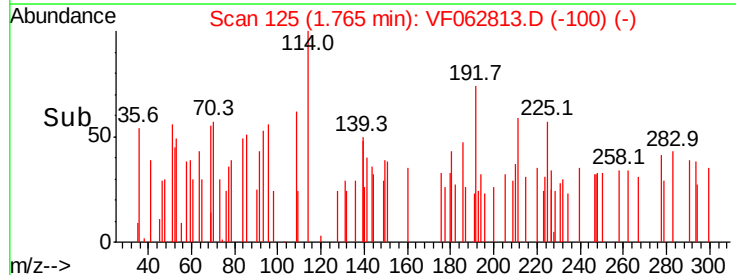
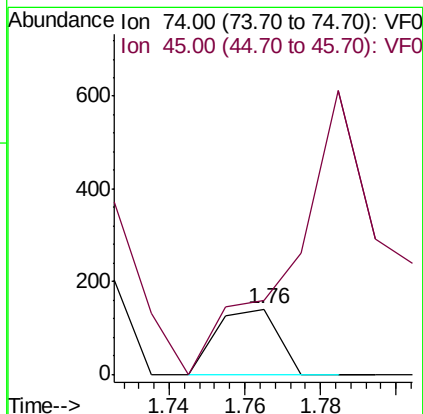
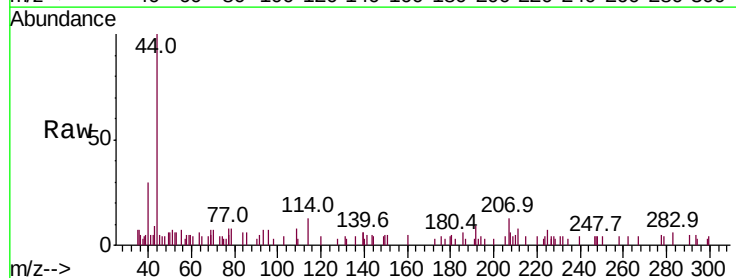
Tot Ion:101 Resp: 101
 Ion Ratio Lower Upper
 101 100
 103 120.6 54.6 82.0#

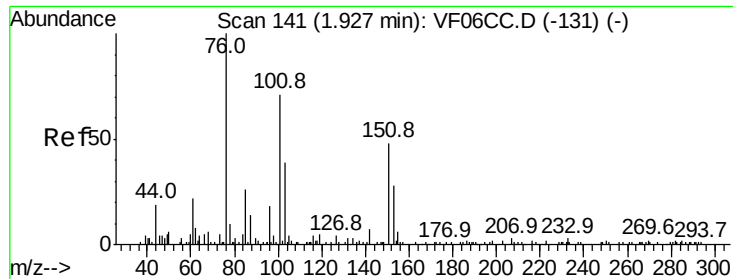


#8

Diethyl Ether
 Concen: 672.813 ug/l
 RT: 1.76 min Scan# 125
 Delta R.T. 0.04 min
 Lab File: VF062813.D
 Acq: 31 May 2019 17:14

Tgt Ion: 74 Resp: 158
 Ion Ratio Lower Upper
 74 100
 45 113.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 181.229 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.03 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

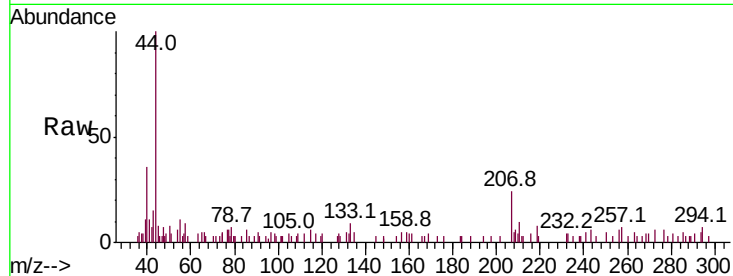
Tot Ion:101 Resp: 136

Ion Ratio Lower Upper

101 100

85 106.5 37.1 55.7#

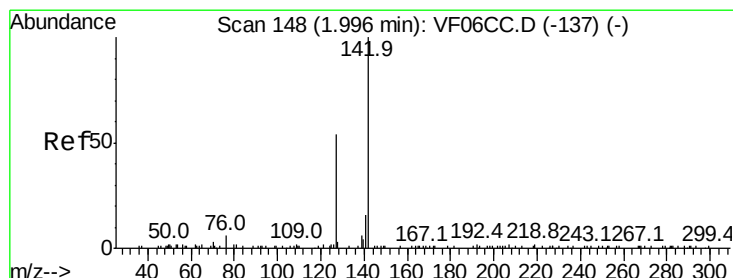
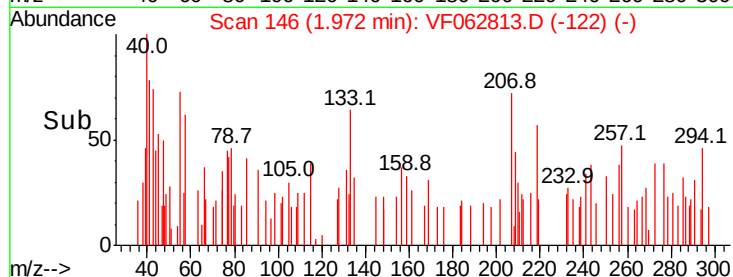
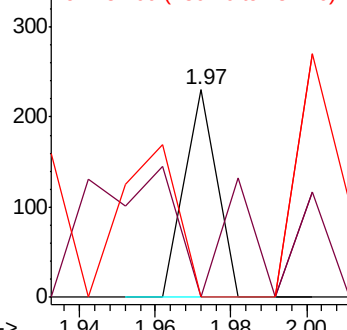
151 0.0 60.3 90.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 116.970 ug/l

RT: 2.04 min Scan# 153

Delta R.T. 0.02 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

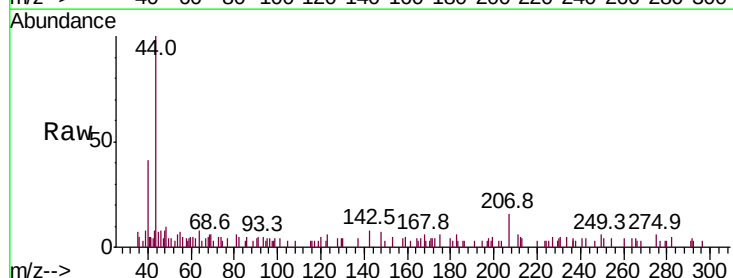
Tgt Ion:142 Resp: 176

Ion Ratio Lower Upper

142 100

127 57.6 39.4 59.2

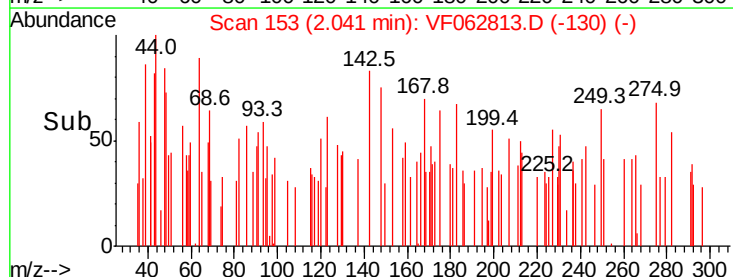
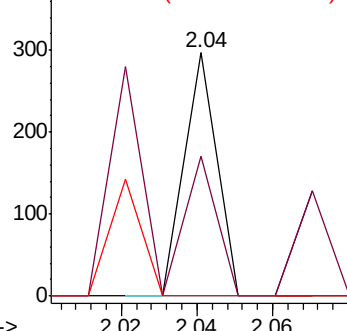
141 0.0 10.6 15.8#

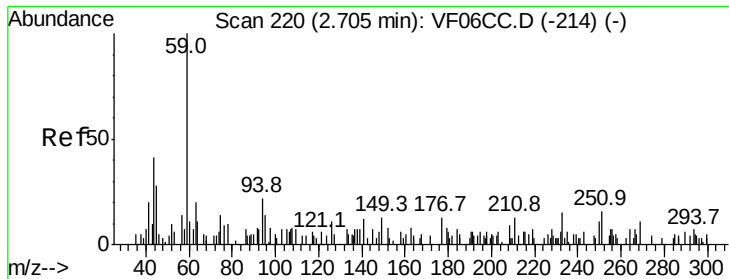


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



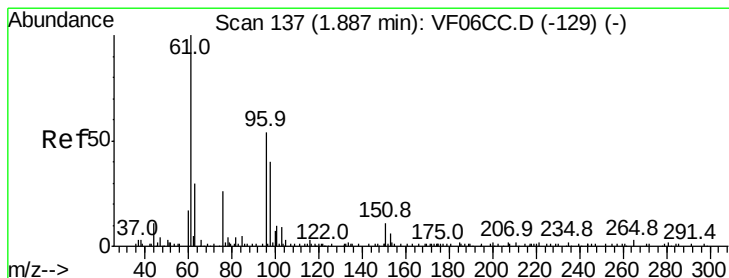
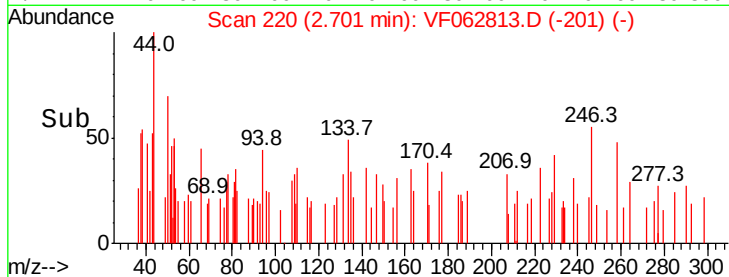
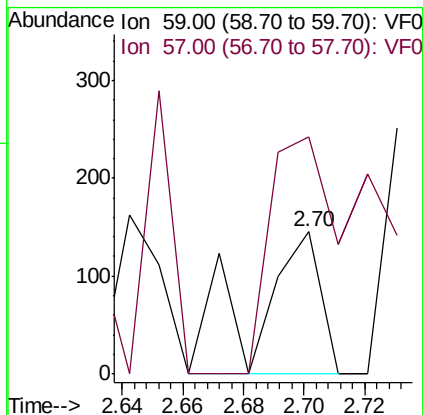
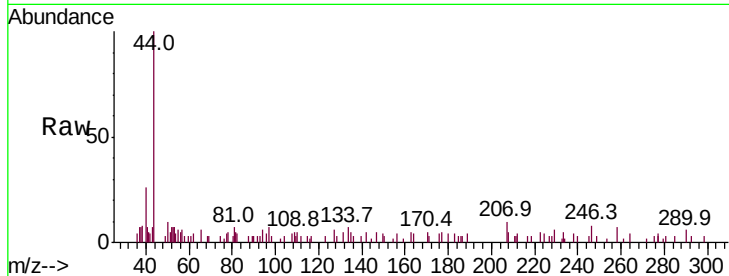


#11

Tert butyl alcohol
Concen: 6346.350 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

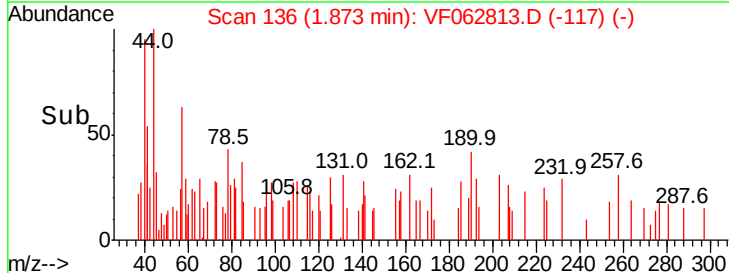
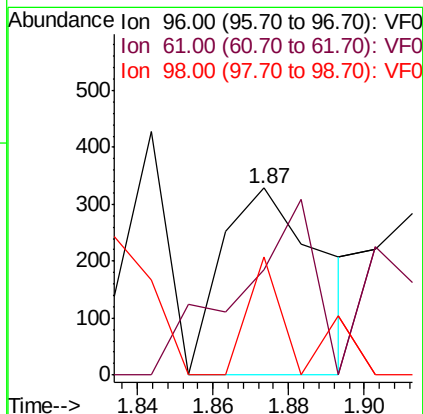
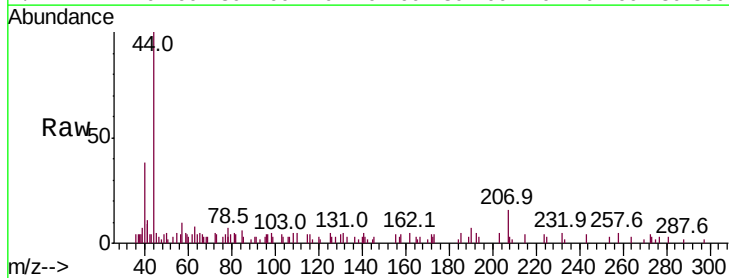
Tot Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 166.9 9.2 13.8#

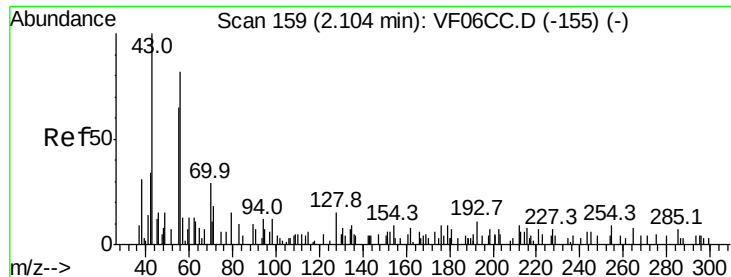


#12

1,1-Dichloroethene
Concen: 884.912 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 96 Resp: 603
Ion Ratio Lower Upper
96 100
61 55.9 139.4 209.2#
98 62.9 50.3 75.5





#13

Acrolein

Concen: 21462.727 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.00 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

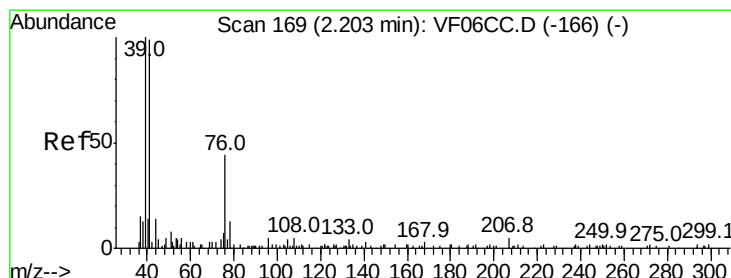
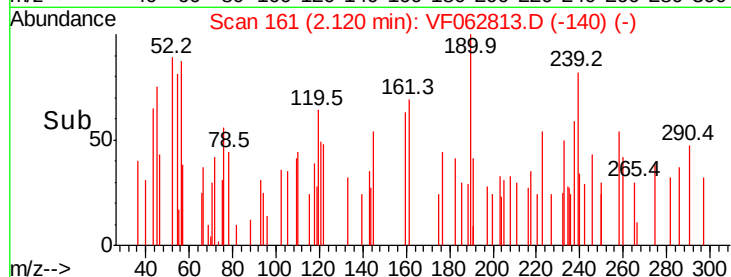
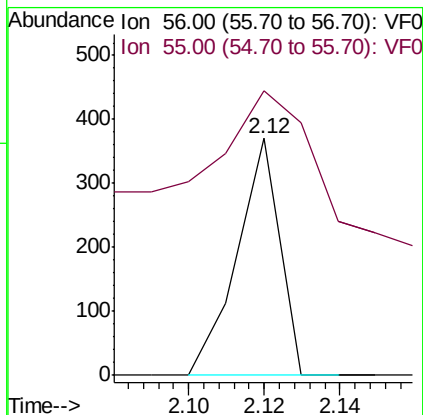
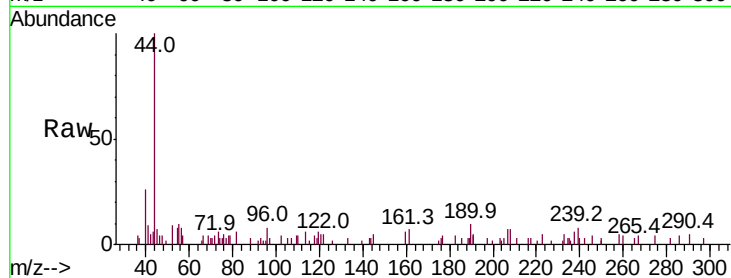
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 120.0 52.9 79.3#



#14

Allyl chloride

Concen: 650.720 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

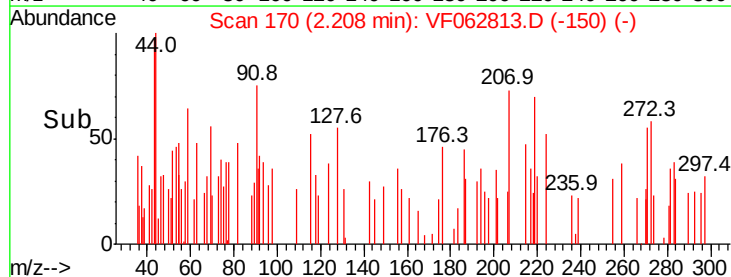
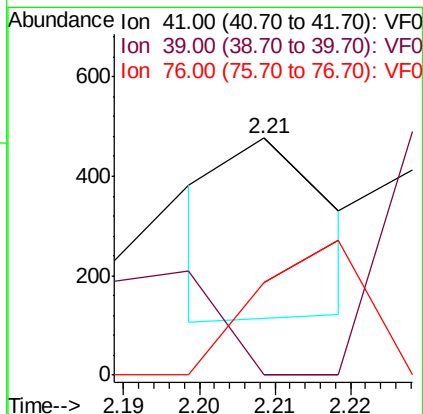
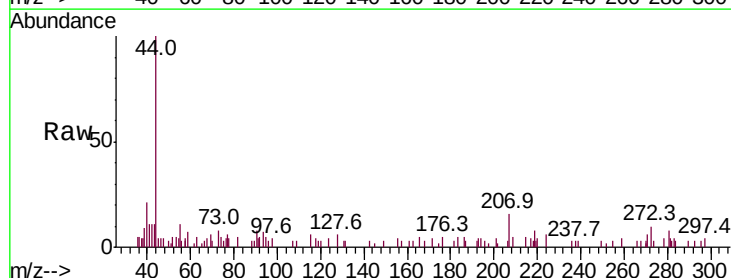
Tgt Ion: 41 Resp: 344

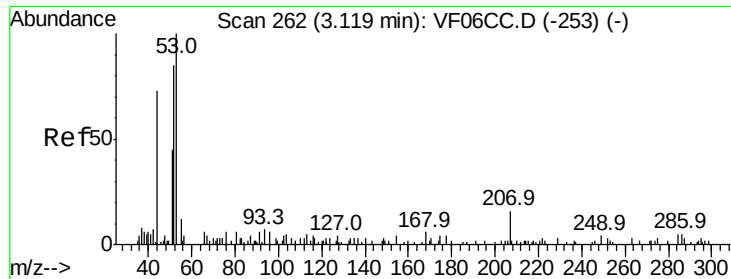
Ion Ratio Lower Upper

41 100

39 0.0 71.9 107.9#

76 39.0 39.6 59.4#





#15

Acrylonitrile

Concen: 2239.015 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

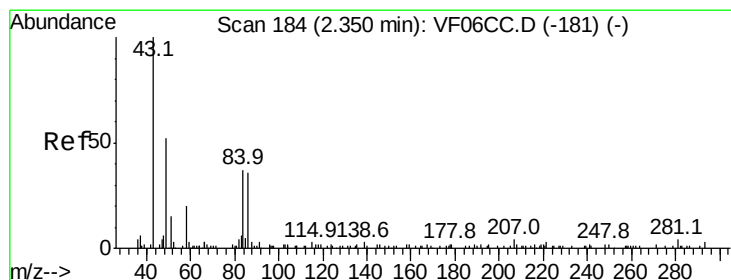
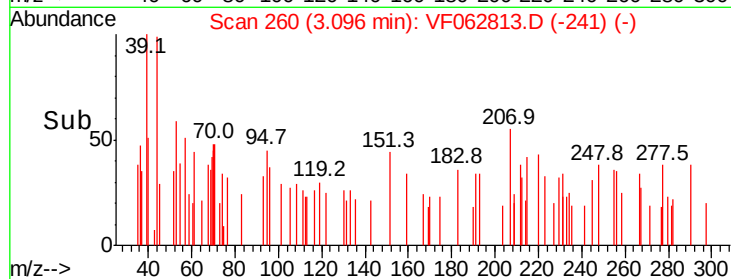
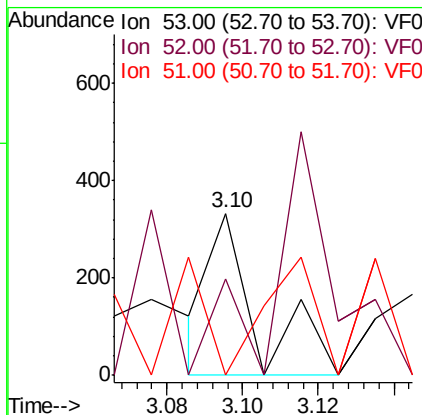
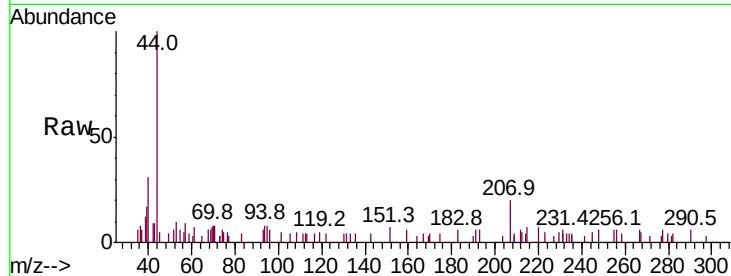
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 53 Resp: 289

Ion	Ratio	Lower	Upper
53	100		
52	59.6	68.1	102.1#
51	0.0	27.7	41.5#



#16

Acetone

Concen: 11203.439 ug/l

RT: 2.50 min Scan# 200

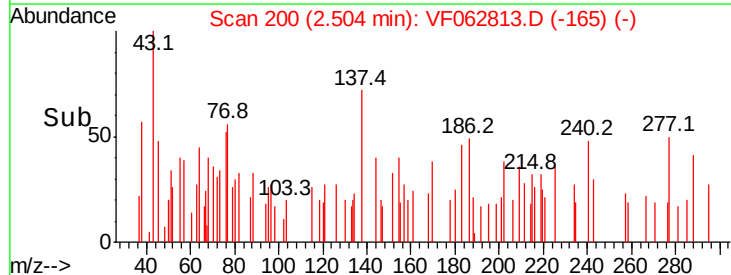
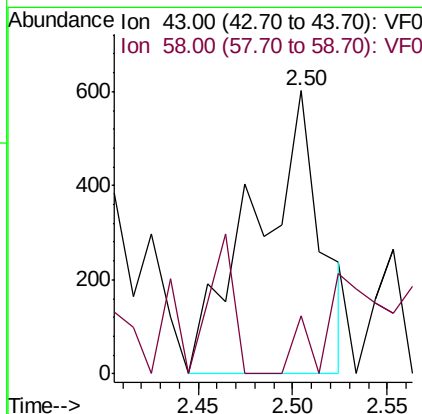
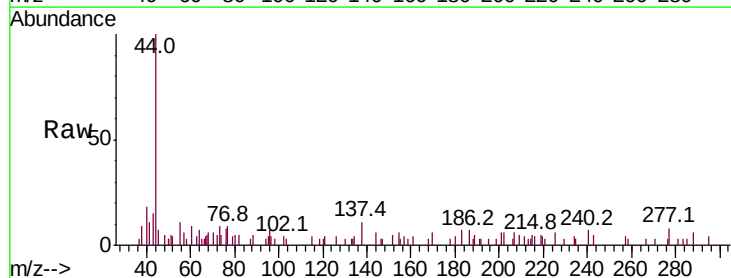
Delta R.T. 0.14 min

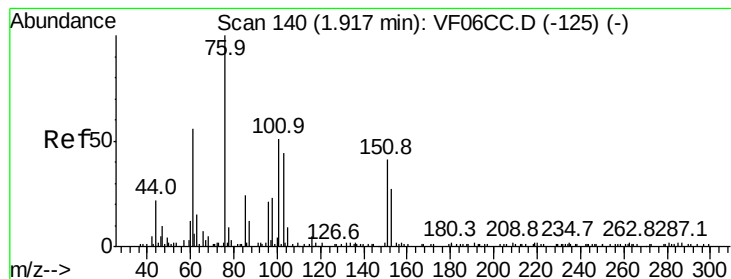
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion: 43 Resp: 1454

Ion	Ratio	Lower	Upper
43	100		
58	20.6	19.0	28.4





#17

Carbon Disulfide

Concen: 149.124 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

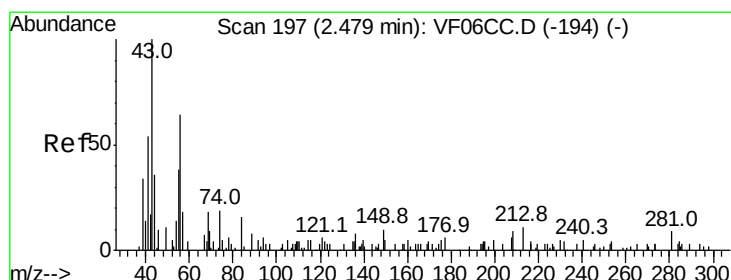
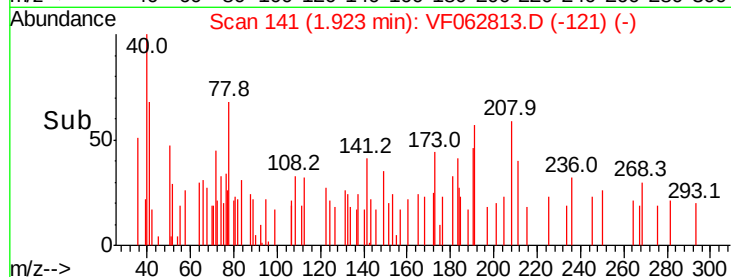
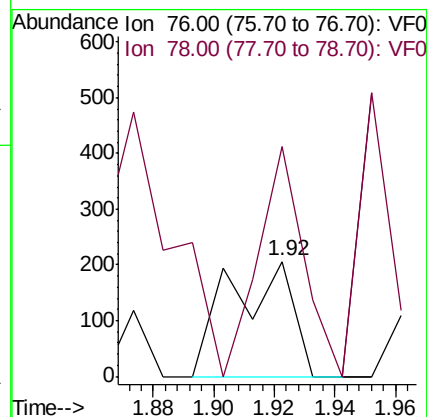
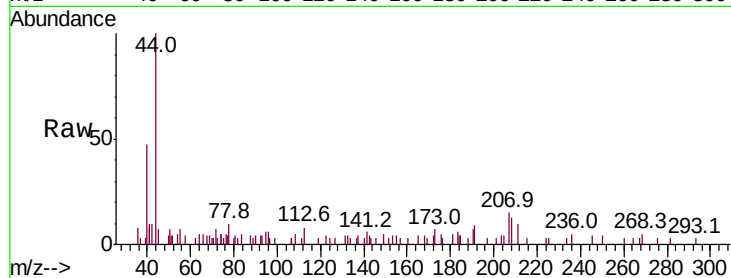
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 76 Resp: 297

Ion Ratio Lower Upper

76 100

78 200.0 9.4 14.2#



#18

Methyl Acetate

Concen: 6411.154 ug/l

RT: 2.50 min Scan# 200

Delta R.T. 0.02 min

Lab File: VF062813.D

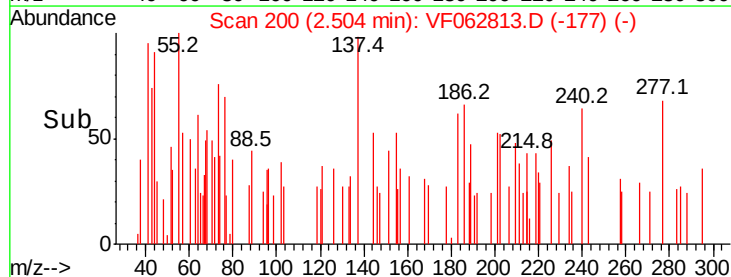
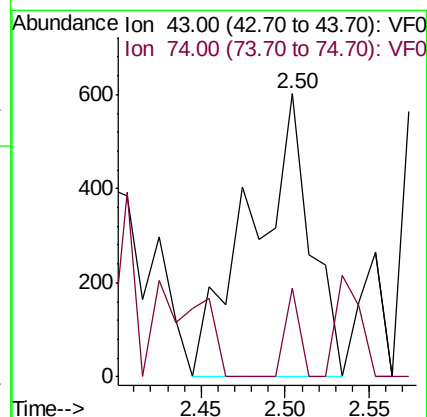
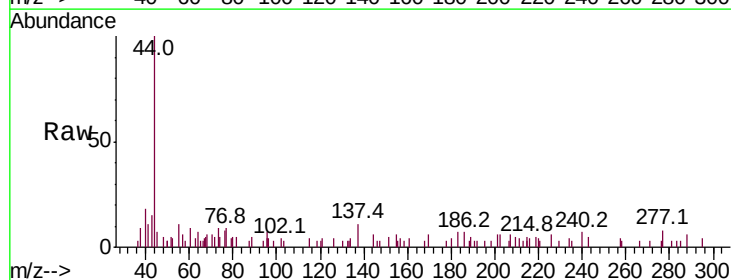
Acq: 31 May 2019 17:14

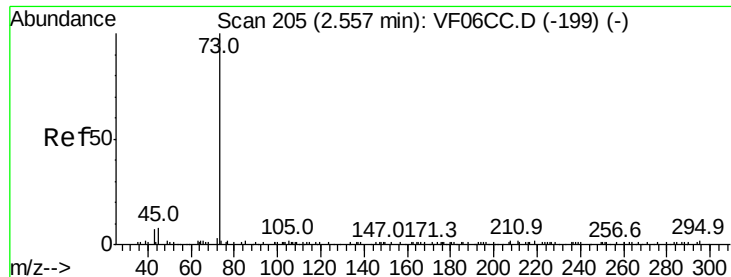
Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

74 31.4 22.1 33.1

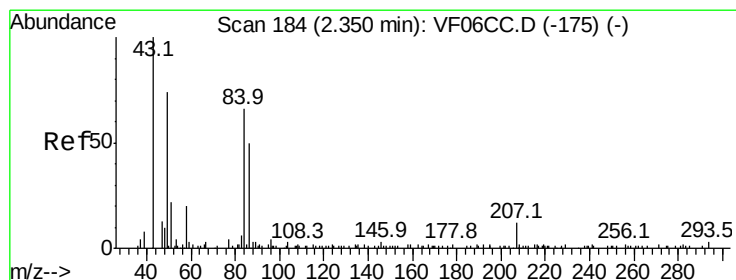
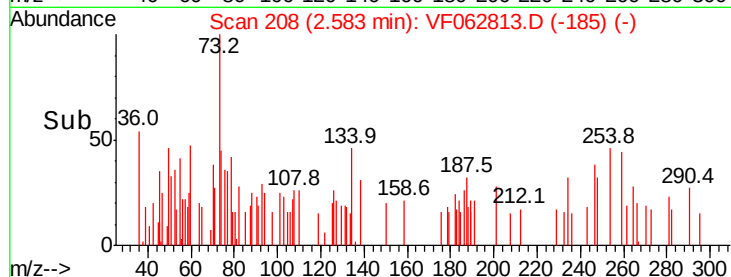
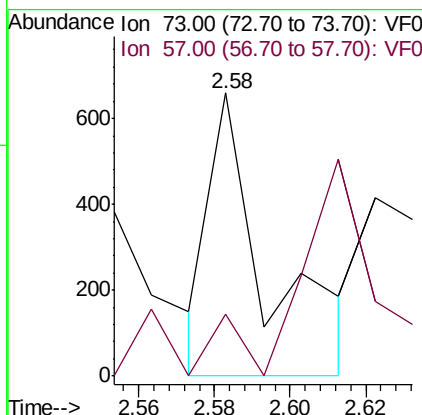
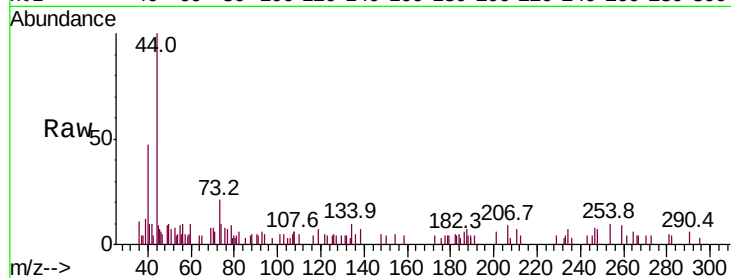




#19
Methyl tert-butyl Ether
Concen: 572.675 ug/l
RT: 2.58 min Scan# 208
Delta R.T. 0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

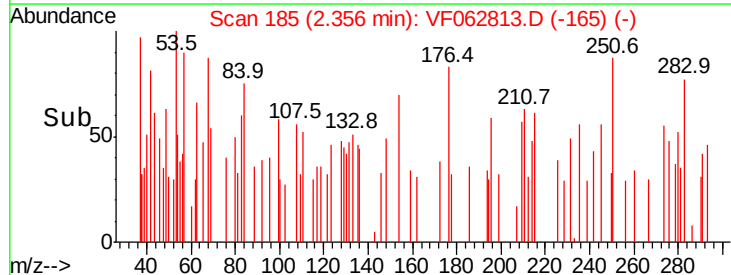
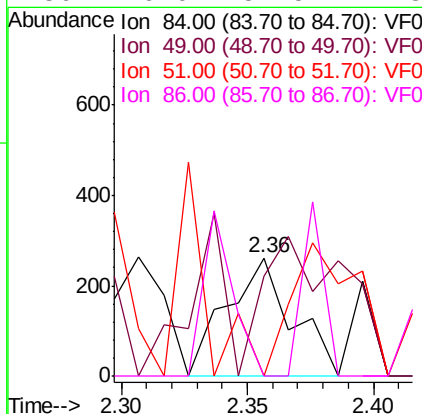
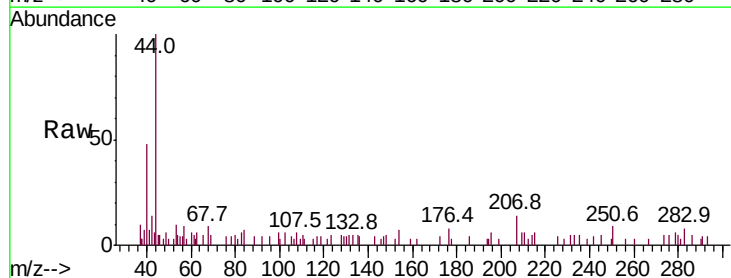
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

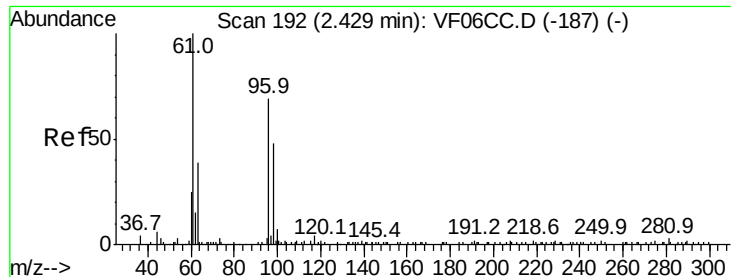
Tot Ion: 73 Resp: 707
Ion Ratio Lower Upper
73 100
57 21.7 15.1 22.7



#20
Methylene Chloride
Concen: 772.495 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 84 Resp: 474
Ion Ratio Lower Upper
84 100
49 84.4 82.6 123.8
51 0.0 25.0 37.4#
86 0.0 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 1009.907 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

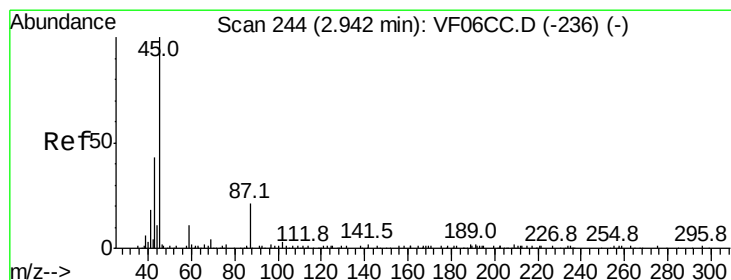
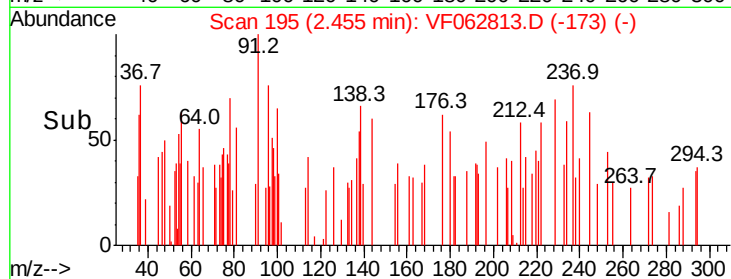
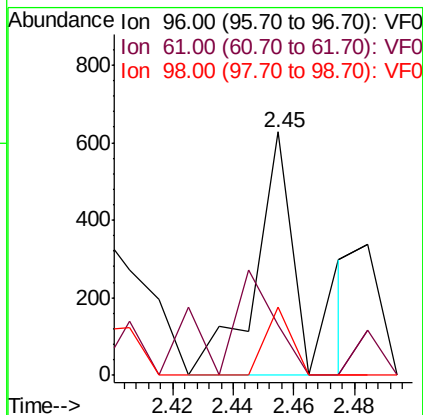
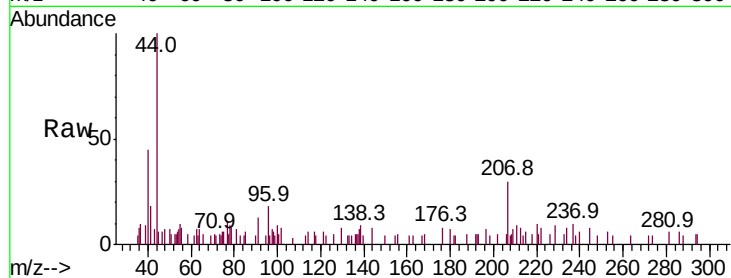
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 96 Resp: 690

Ion	Ratio	Lower	Upper
96	100		
61	20.5	105.0	157.6#
98	28.2	51.1	76.7#



#22

Diisopropyl ether

Concen: 924.145 ug/l

RT: 2.95 min Scan# 245

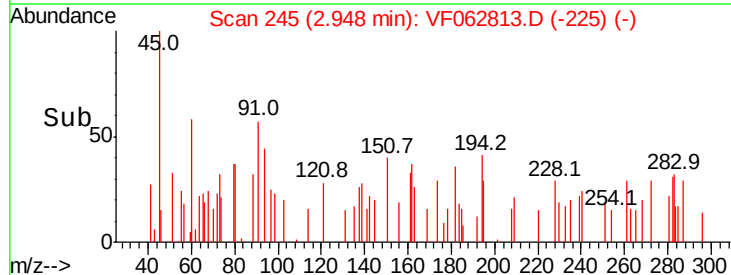
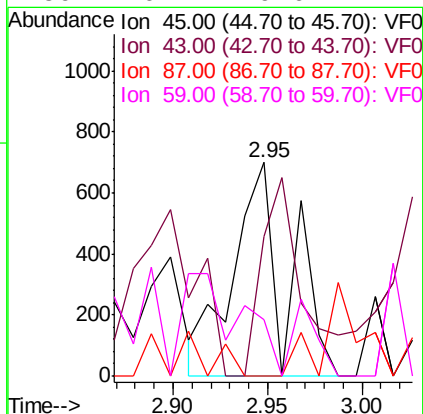
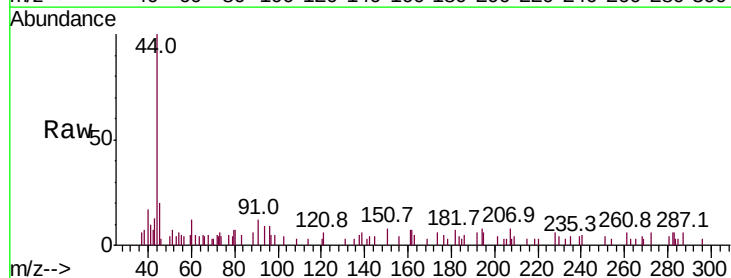
Delta R.T. -0.01 min

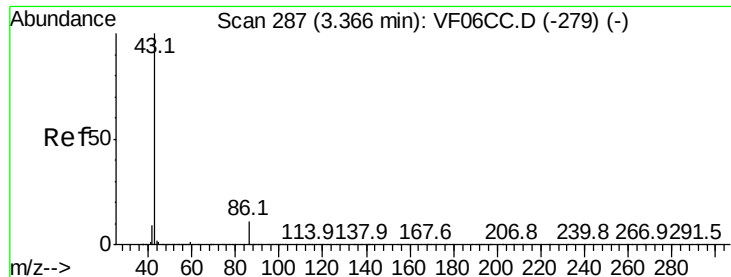
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion: 45 Resp: 1388

Ion	Ratio	Lower	Upper
45	100		
43	65.3	34.3	51.5#
87	0.0	19.0	28.4#
59	26.1	9.6	14.4#





#23

Vinyl Acetate

Concen: 1807.958 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

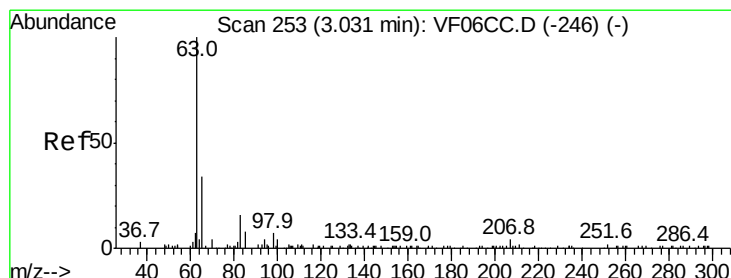
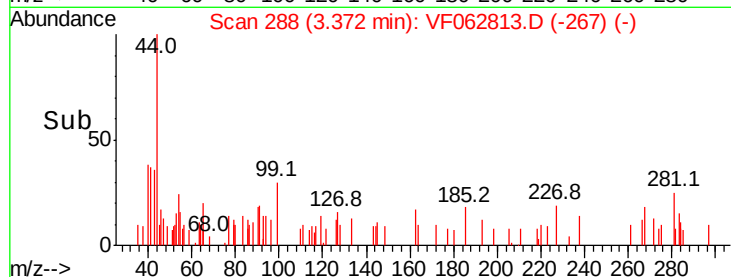
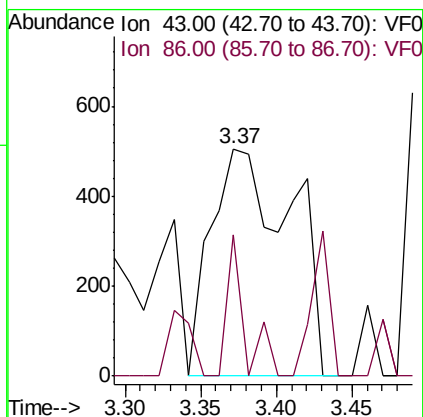
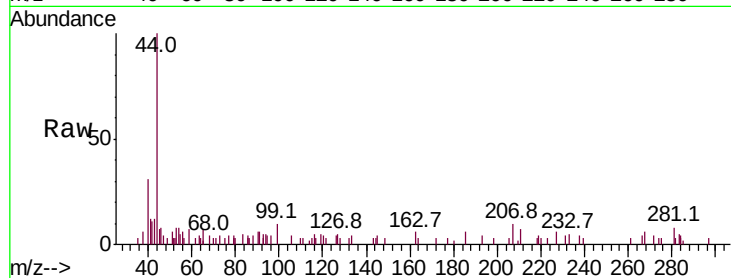
0422-HR-2(HACKENSACK)

Tot Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

86 62.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 69.556 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.04 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

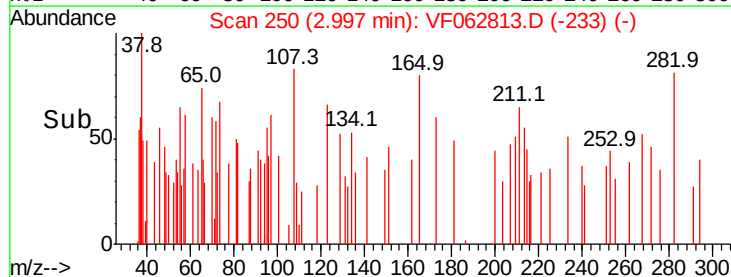
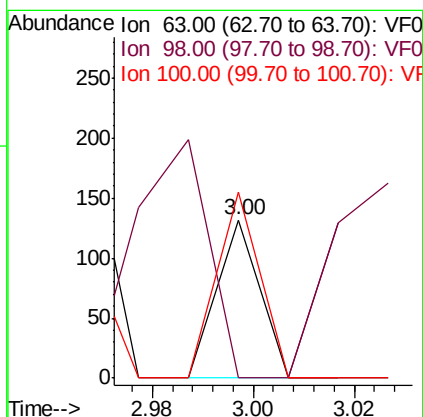
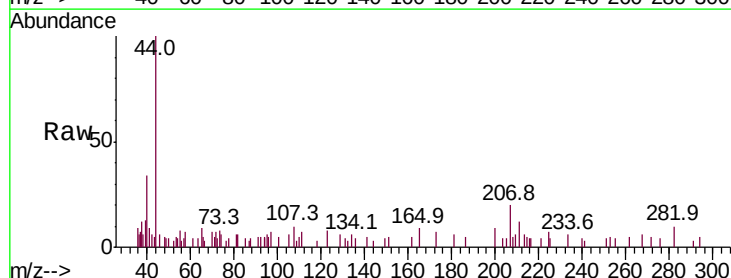
Tgt Ion: 63 Resp: 78

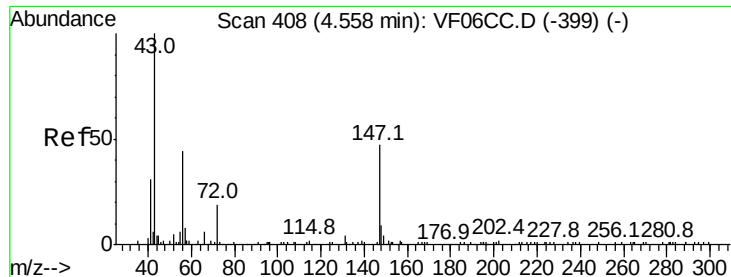
Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 117.4 1.5 4.5#





#25

2-Butanone

Concen: 1733.767 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

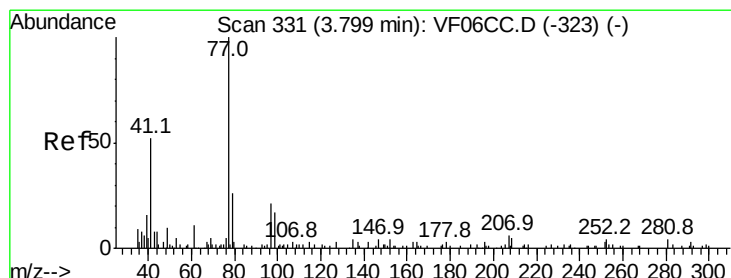
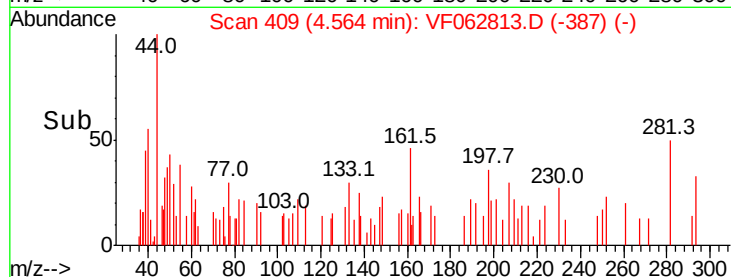
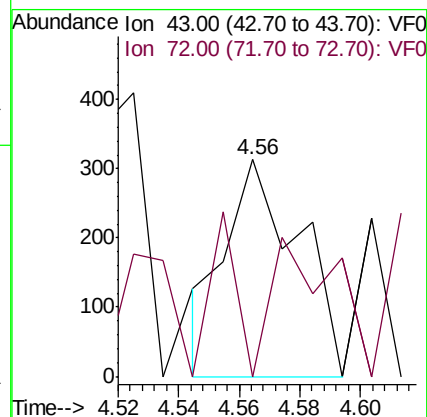
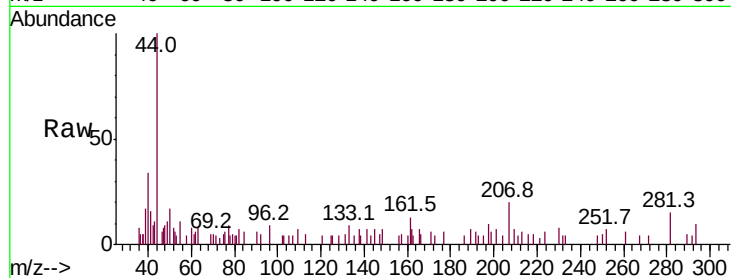
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#26

2,2-Dichloropropane

Concen: 1978.843 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.06 min

Lab File: VF062813.D

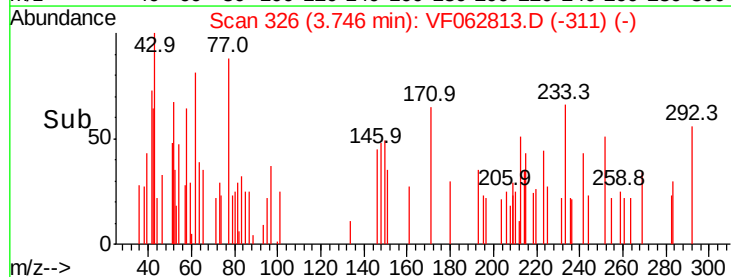
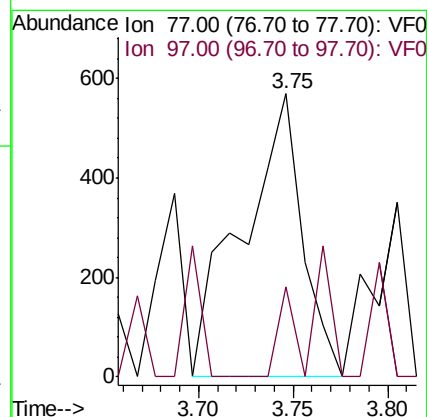
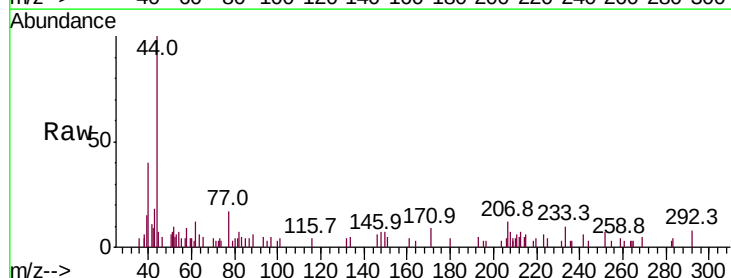
Acq: 31 May 2019 17:14

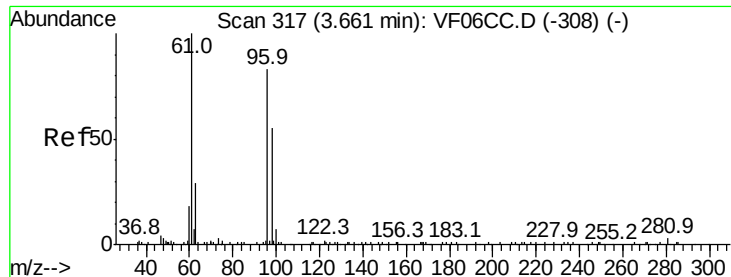
Tgt Ion: 77 Resp: 1260

Ion Ratio Lower Upper

77 100

97 31.6 12.4 37.4



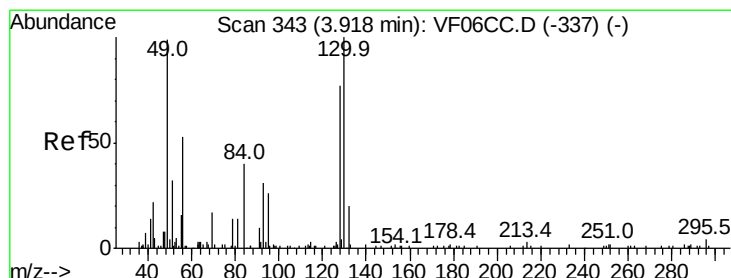
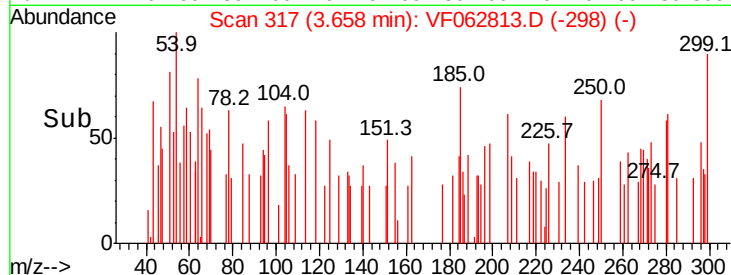
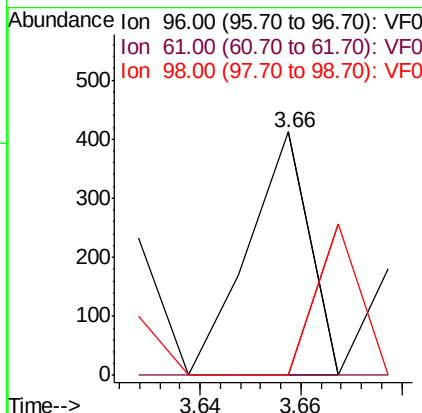
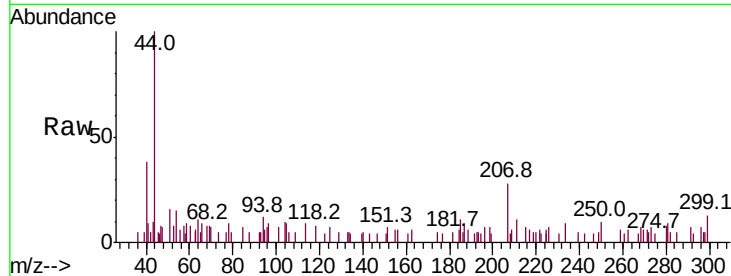


#27

cis-1,2-Dichloroethene
Concen: 299.528 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

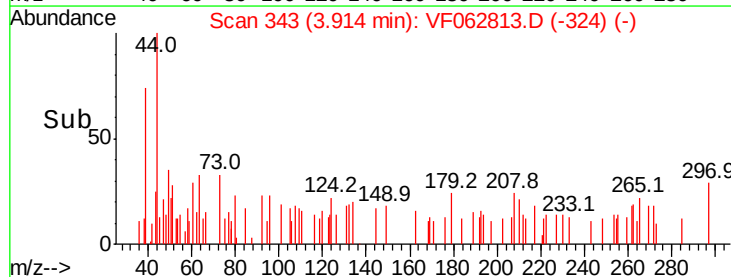
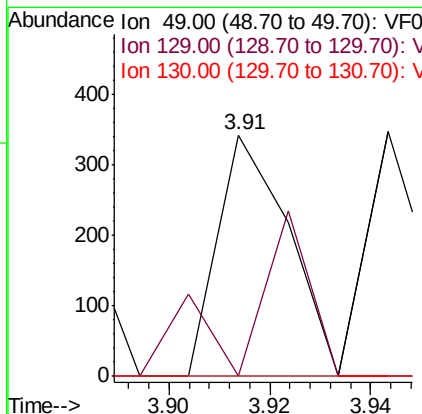
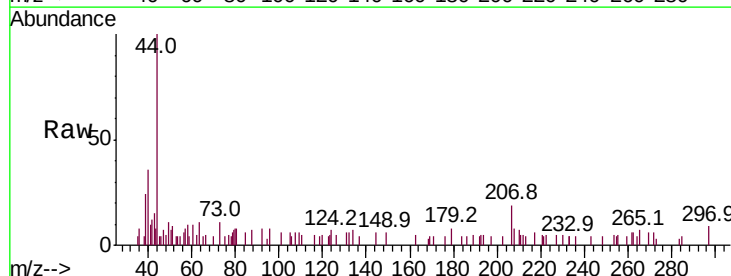
Tot Ion: 96 Resp: 344
Ion Ratio Lower Upper
96 100
61 0.0 0.0 213.8
98 0.0 0.0 127.0

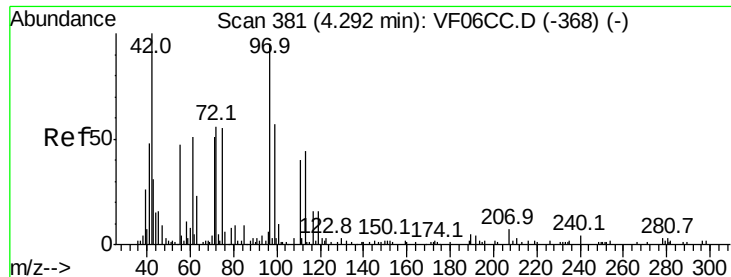


#28

Bromochloromethane
Concen: 542.635 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 49 Resp: 331
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 79.2 118.8#





#29

Tetrahydrofuran

Concen: 3564.159 ug/l

RT: 4.30 min Scan# 382

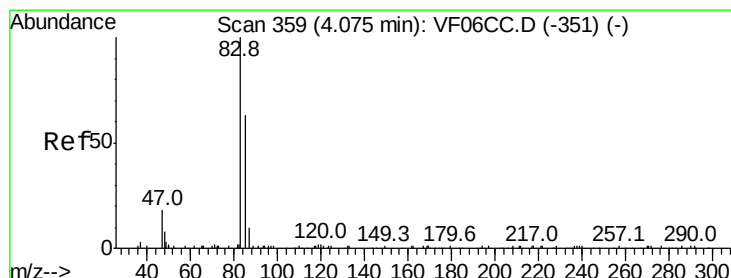
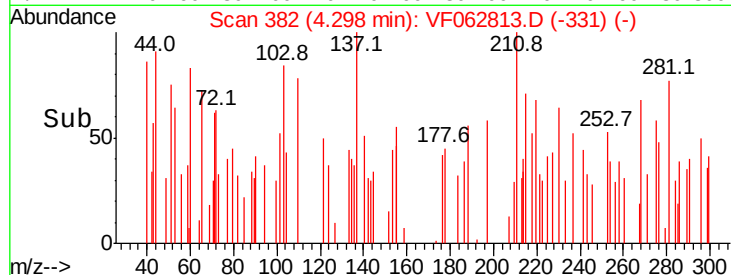
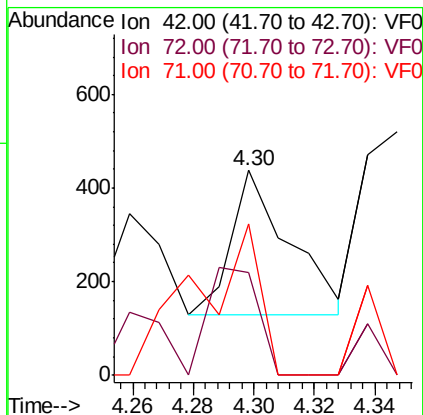
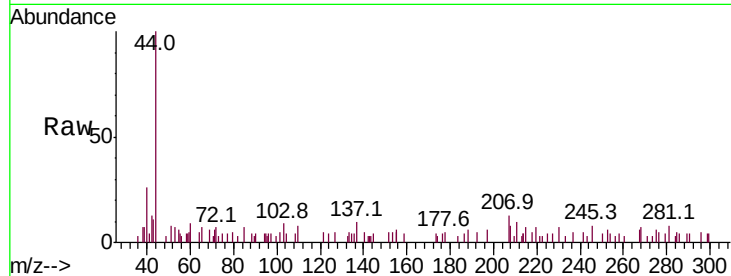
Delta R.T. 0.00 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion:	42	Resp:	412
Ion	Ratio	Lower	Upper
42	100		
72	100.0	39.0	58.6#
71	115.0	36.9	55.3#



#30

Chloroform

Concen: 123.381 ug/l

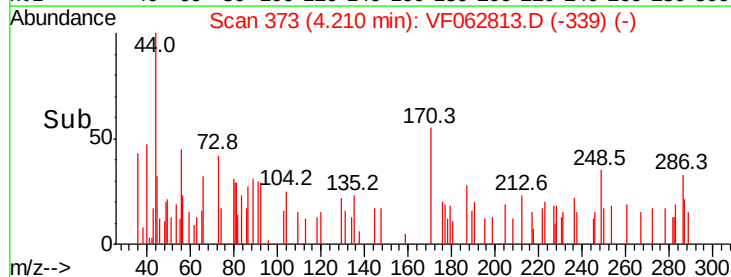
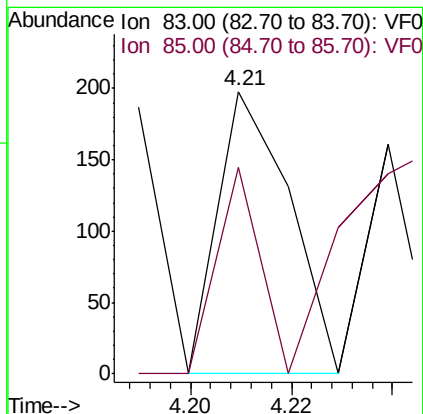
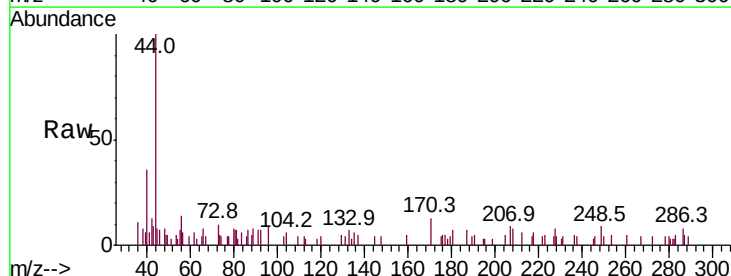
RT: 4.21 min Scan# 373

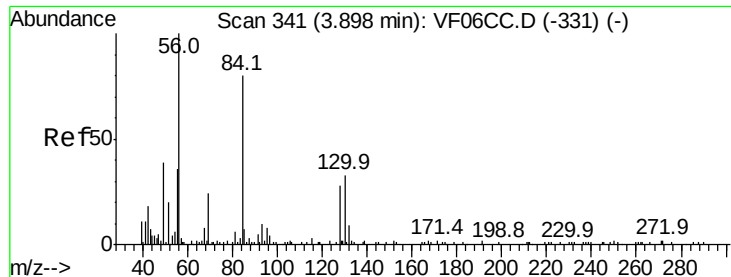
Delta R.T. 0.13 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion:	83	Resp:	195
Ion	Ratio	Lower	Upper
83	100		
85	73.2	55.0	82.6

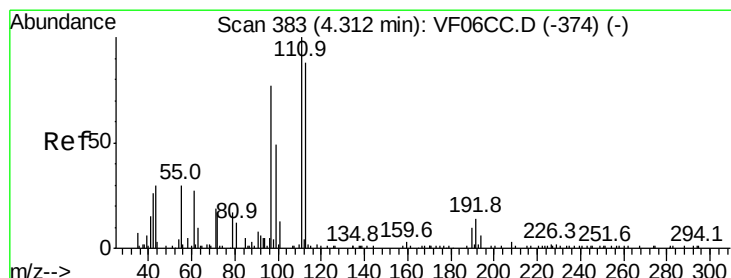
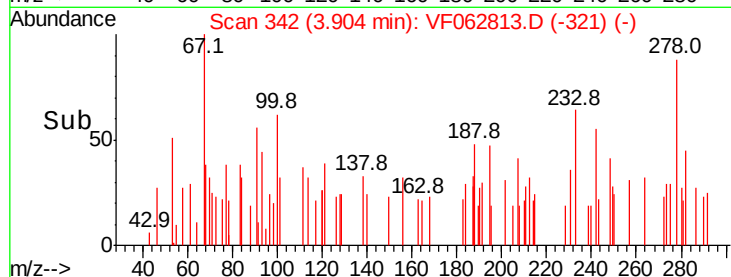
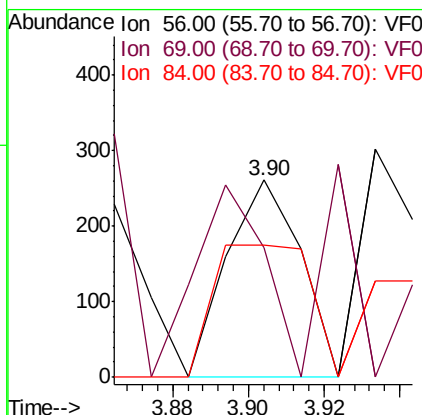
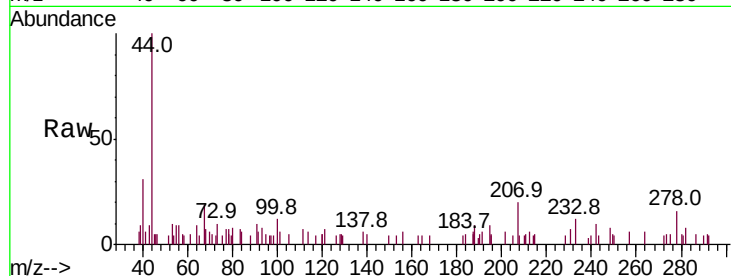




#31
Cyclohexane
Concen: 229.874 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

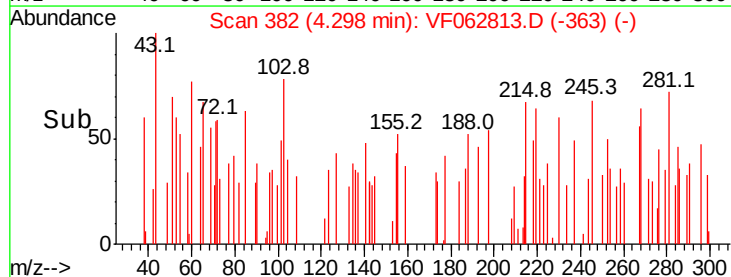
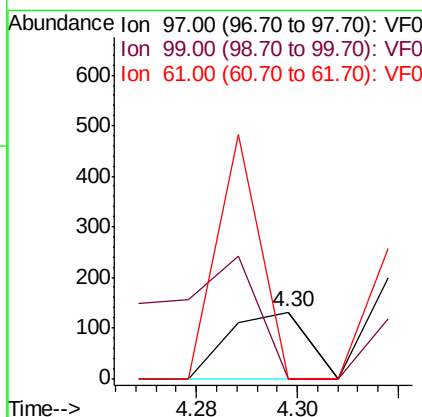
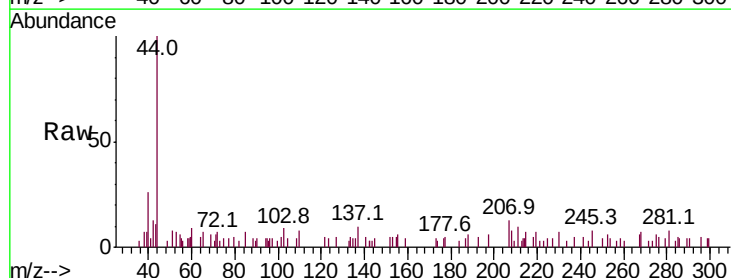
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

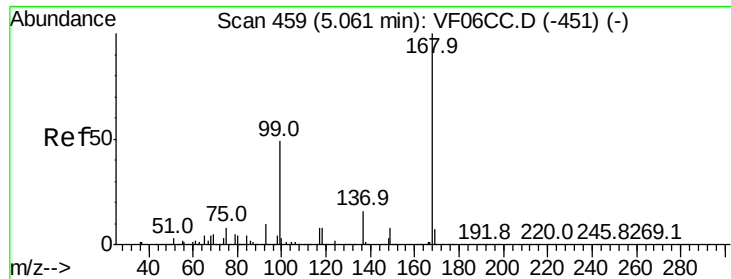
Tot Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
69 65.5 26.7 40.1#
84 66.7 74.3 111.5#



#32
1,1,1-Trichloroethane
Concen: 154.315 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 97 Resp: 142
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 0.0 38.9 58.3#

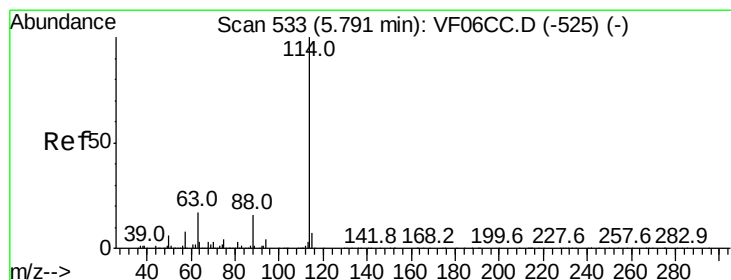
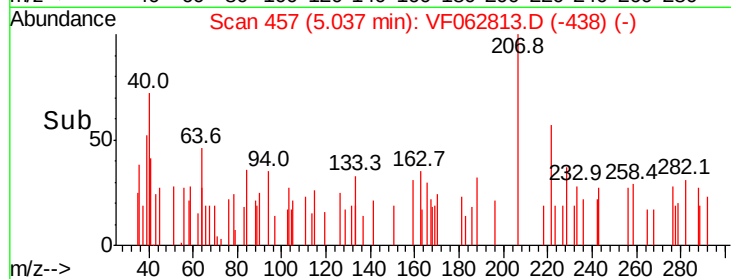
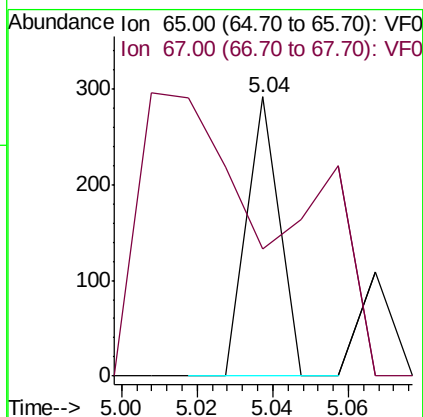
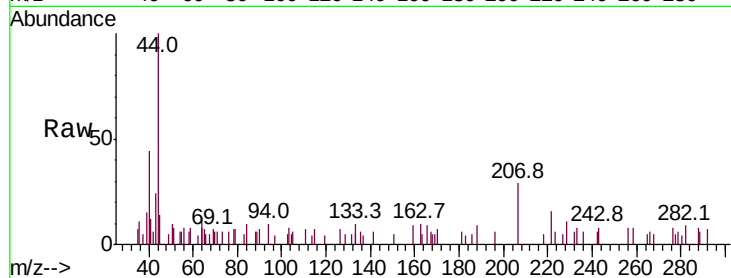




#33
 1,2-Dichloroethane-d4
 Concen: 305.096 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062813.D
 Acq: 31 May 2019 17:14

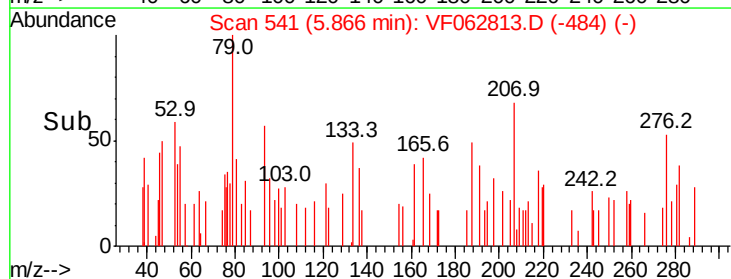
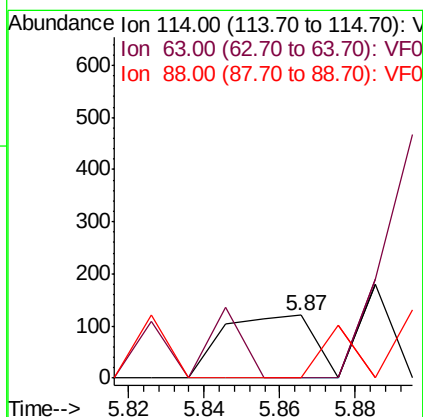
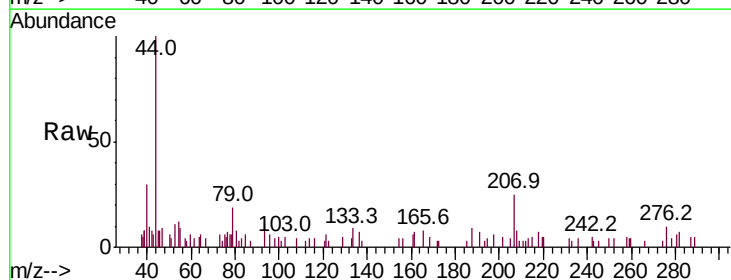
Instrument :
 MSVOA_F
 ClientSampleId :
 0422-HR-2(HACKENSACK)

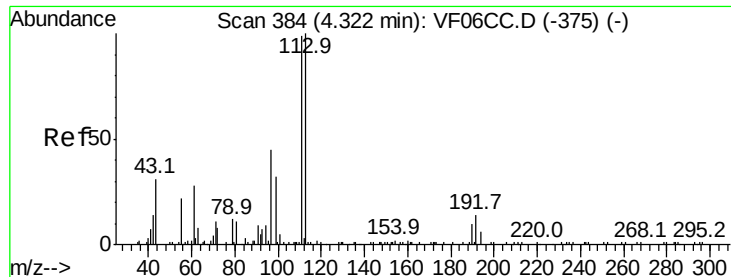
Tot Ion: 65 Resp: 173
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 541
 Delta R.T. 0.06 min
 Lab File: VF062813.D
 Acq: 31 May 2019 17:14

Tgt Ion: 114 Resp: 201
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.2
 88 0.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 70.448 ug/l

RT: 4.38 min Scan# 390

Delta R.T. 0.04 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

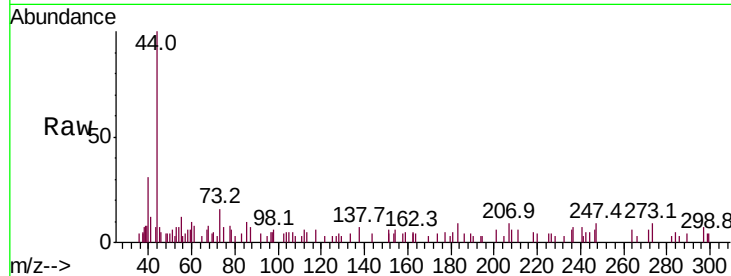
Tot Ion:113 Resp: 107

Ion Ratio Lower Upper

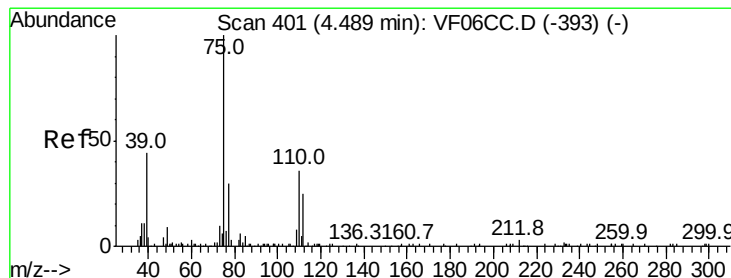
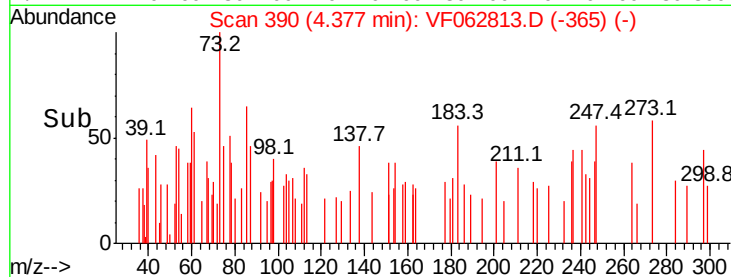
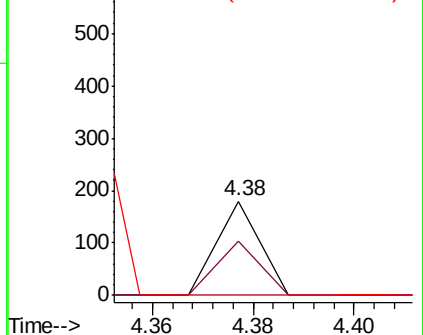
113 100

111 57.2 81.9 122.9#

192 0.0 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: 305.881 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.05 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

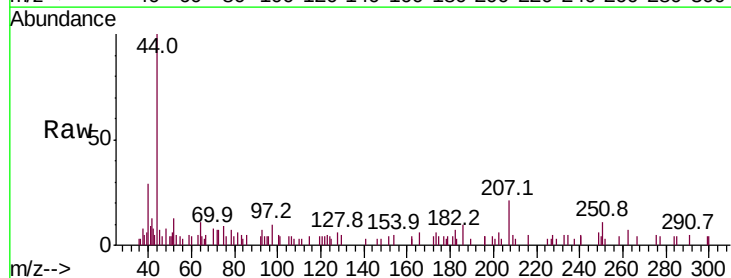
Tgt Ion: 75 Resp: 566

Ion Ratio Lower Upper

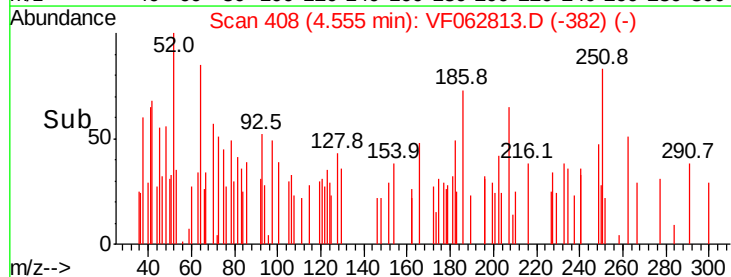
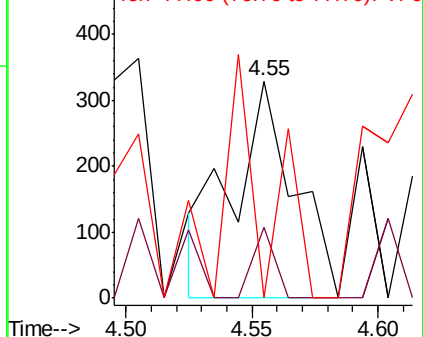
75 100

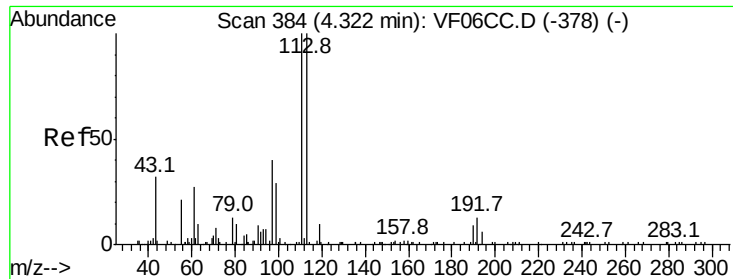
110 32.5 19.4 58.1

77 0.0 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

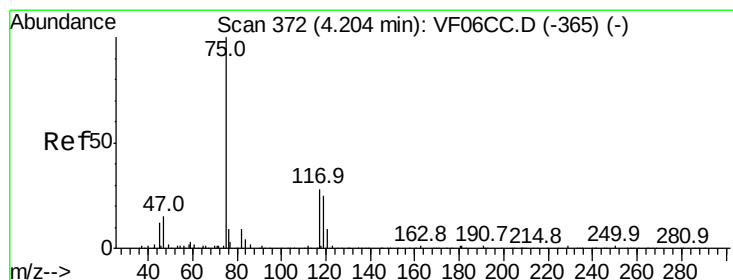
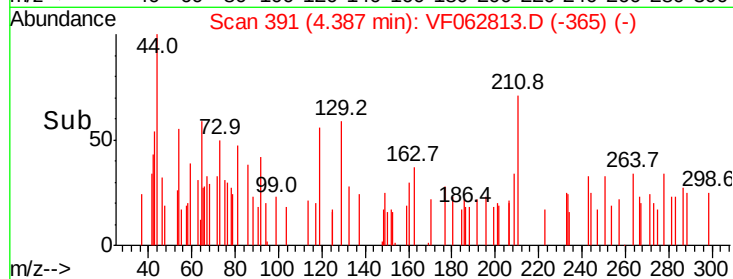
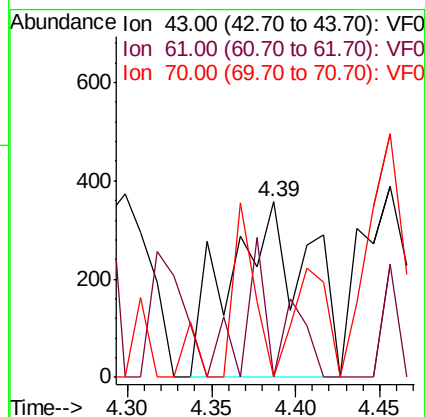
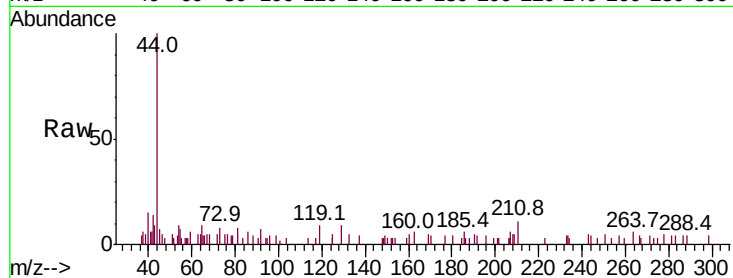




#37
Ethyl Acetate
Concen: 1642.779 ug/l
RT: 4.39 min Scan# 391
Delta R.T. 0.05 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

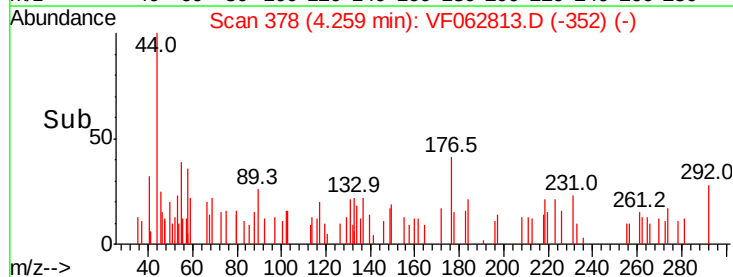
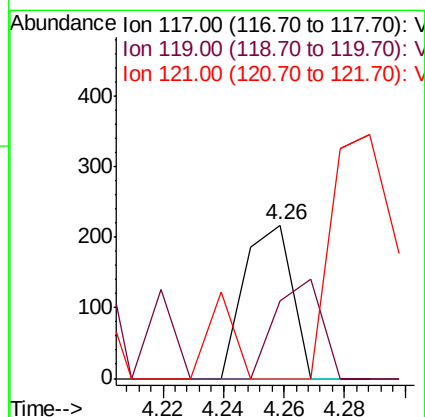
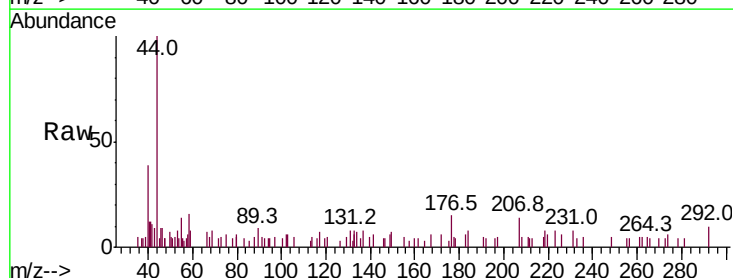
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

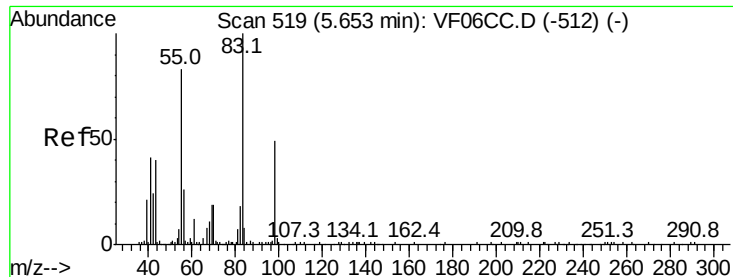
Tot Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
61 0.0 59.1 88.7#
70 0.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 190.314 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.05 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 117 Resp: 238
Ion Ratio Lower Upper
117 100
119 50.7 78.2 117.2#
121 0.0 28.2 42.2#

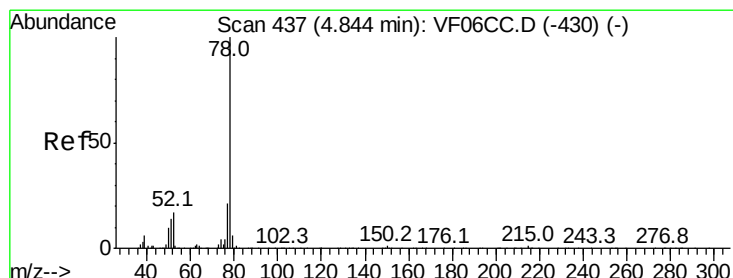
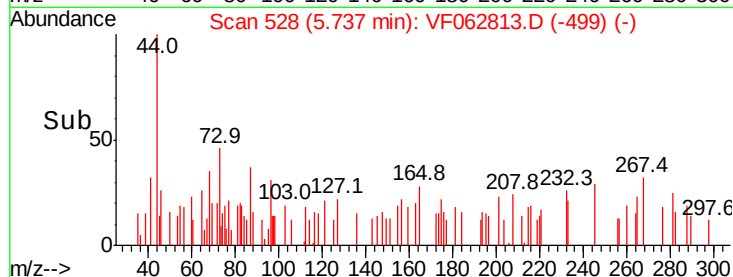
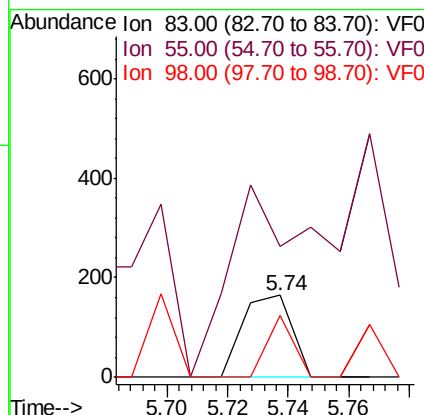
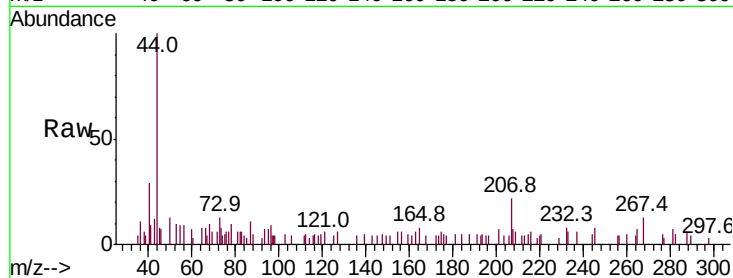




#39
Methylvlcyclohexane
Concen: 80.331 ug/l
RT: 5.74 min Scan# 528
Delta R.T. 0.08 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

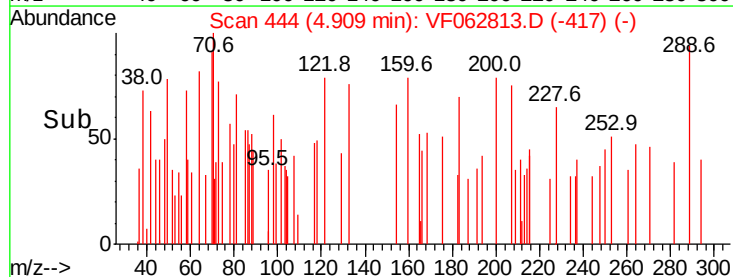
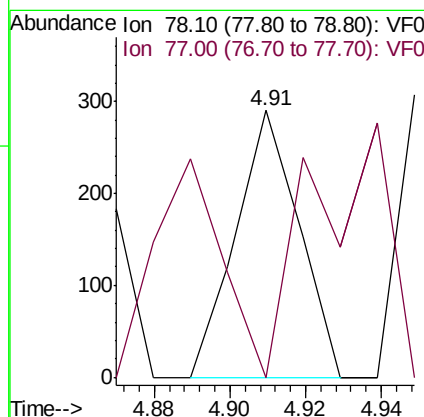
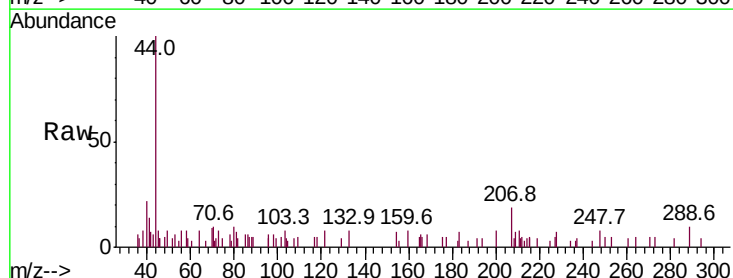
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

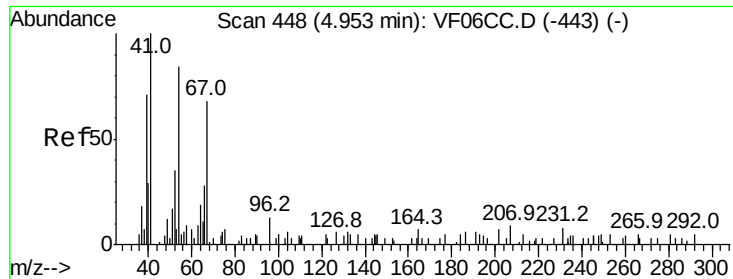
Tot Ion: 83 Resp: 185
Ion Ratio Lower Upper
83 100
55 159.8 61.6 92.4#
98 75.6 37.4 56.2#



#40
Benzene
Concen: 61.649 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.06 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 78 Resp: 332
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#

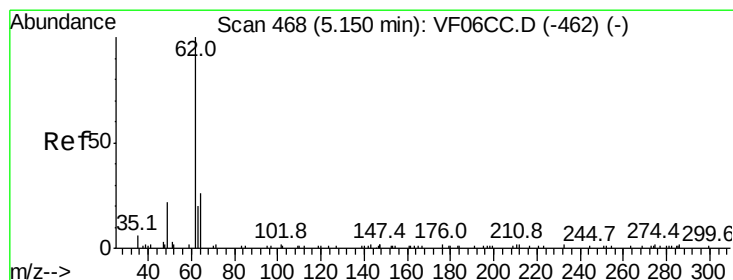
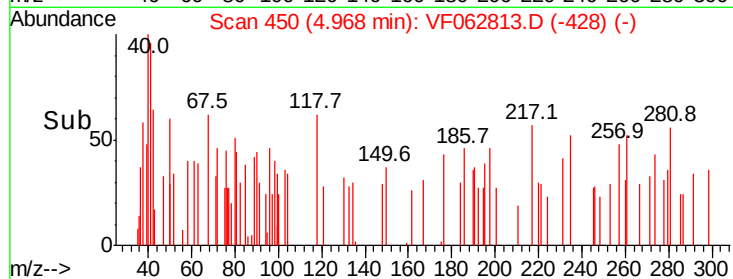
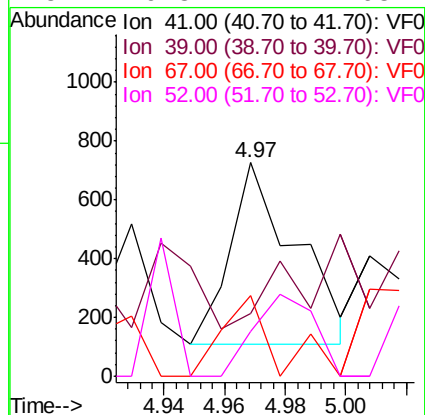
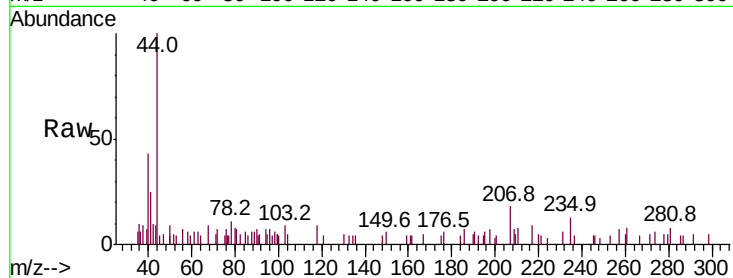




#41
Methacrylonitrile
Concen: 2398.124 ug/l
RT: 4.97 min Scan# 450
Delta R.T. 0.01 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

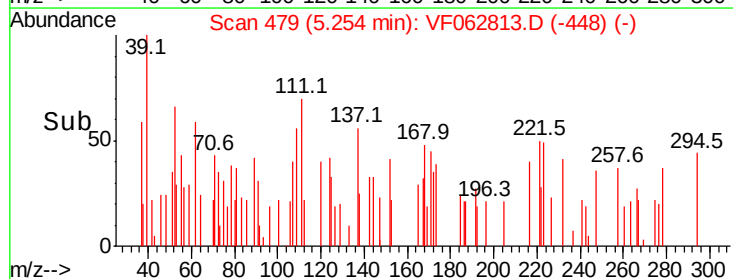
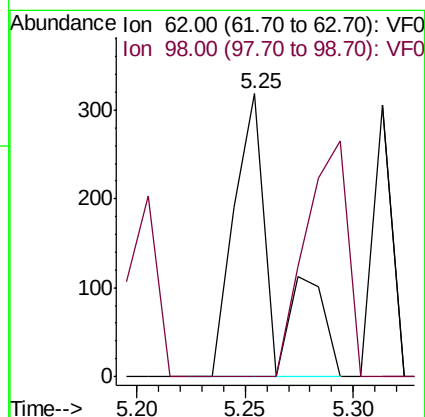
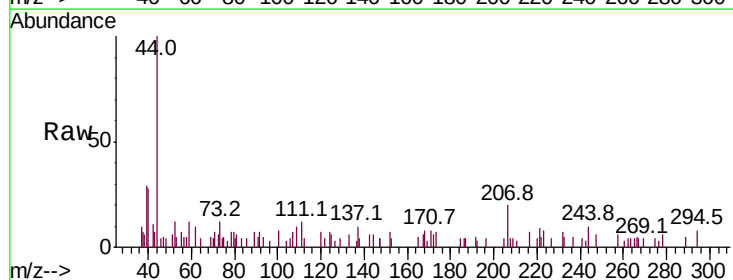
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

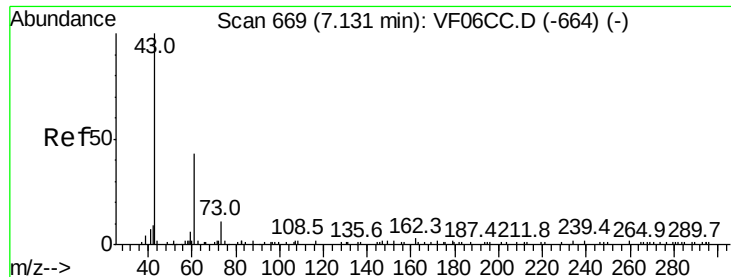
Tot Ion:	41	Resp:	943
Ion	Ratio	Lower	Upper
41	100		
39	29.3	42.0	63.0#
67	37.7	61.4	92.0#
52	20.8	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 415.916 ug/l
RT: 5.25 min Scan# 479
Delta R.T. 0.10 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion:	62	Resp:	426
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	24.0



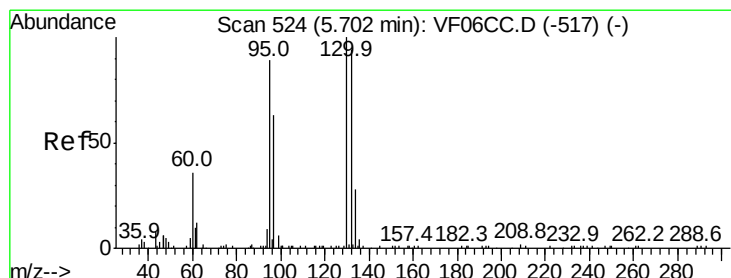
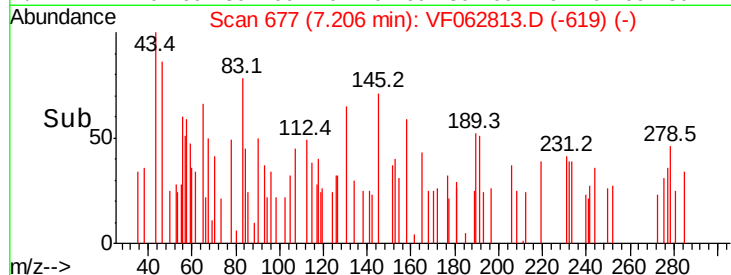
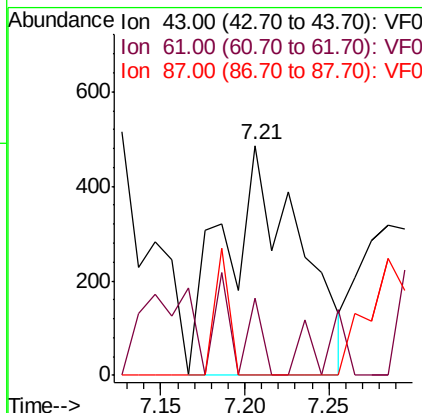
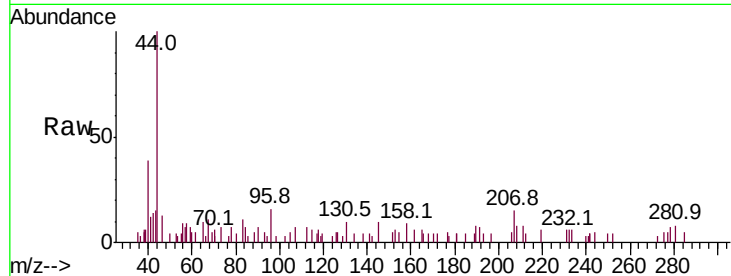


#43

Isopropyl Acetate
 Concen: 1609.589 ug/l
 RT: 7.21 min Scan# 677
 Delta R.T. 0.07 min
 Lab File: VF062813.D
 Acq: 31 May 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 0422-HR-2(HACKENSACK)

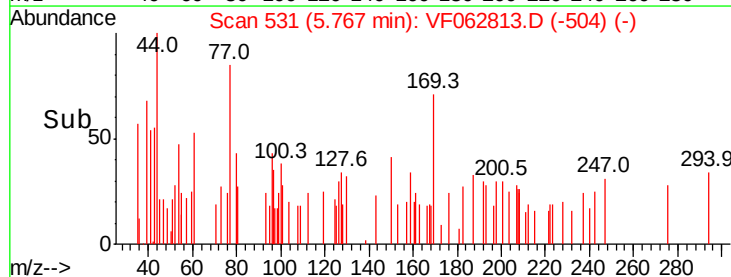
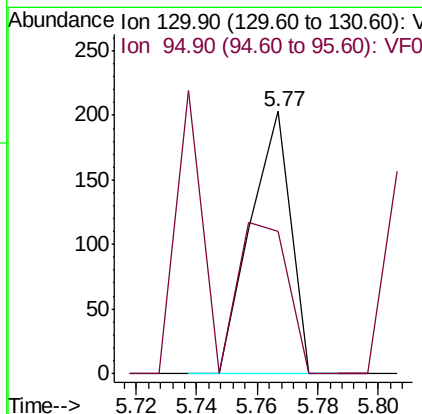
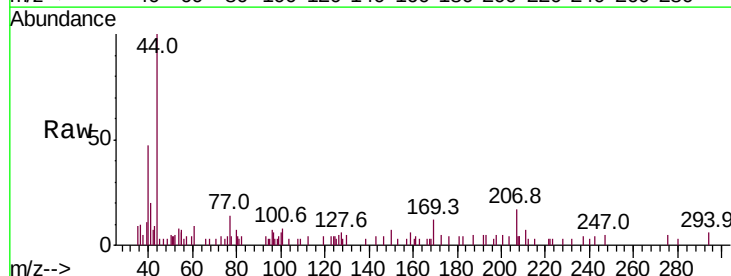
Tot Ion: 43 Resp: 1504
 Ion Ratio Lower Upper
 43 100
 61 33.7 29.8 44.6
 87 0.0 0.3 0.5#

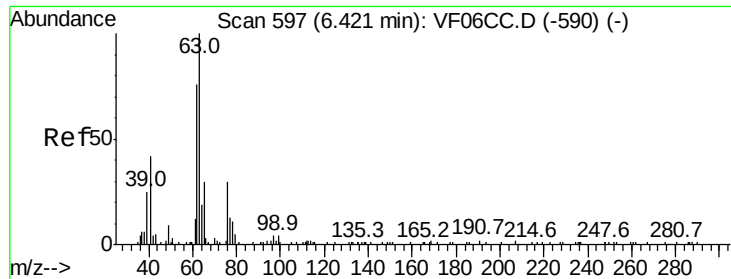


#44

Trichloroethene
 Concen: 122.380 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.06 min
 Lab File: VF062813.D
 Acq: 31 May 2019 17:14

Tgt Ion:130 Resp: 186
 Ion Ratio Lower Upper
 130 100
 95 54.2 0.0 188.2





#45

1,2-Dichloropropane

Concen: 255.287 ug/l

RT: 6.45 min Scan# 600

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

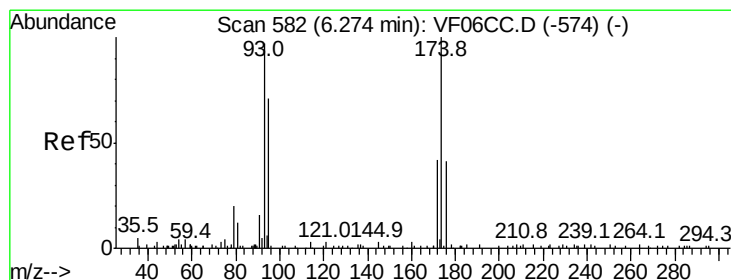
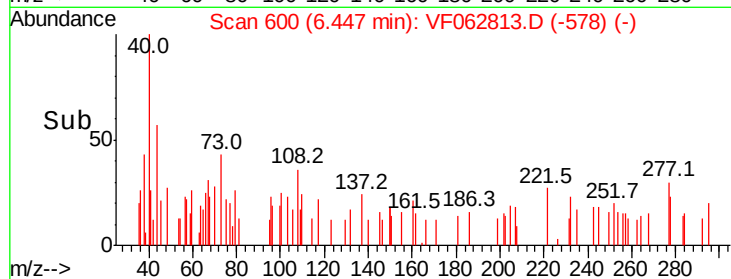
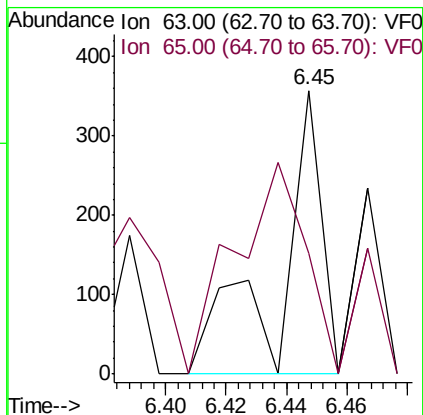
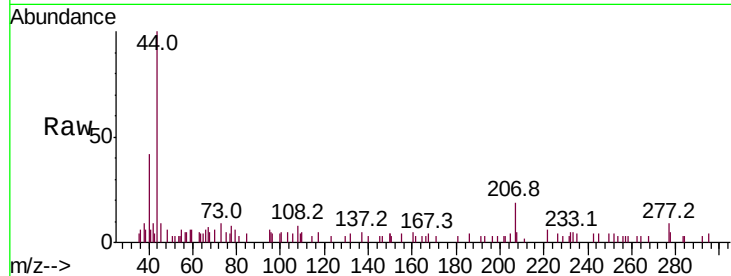
0422-HR-2(HACKENSACK)

Tot Ion: 63 Resp: 345

Ion Ratio Lower Upper

63 100

65 105.9 24.2 36.2#



#46

Dibromomethane

Concen: 198.981 ug/l

RT: 6.36 min Scan# 591

Delta R.T. 0.07 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

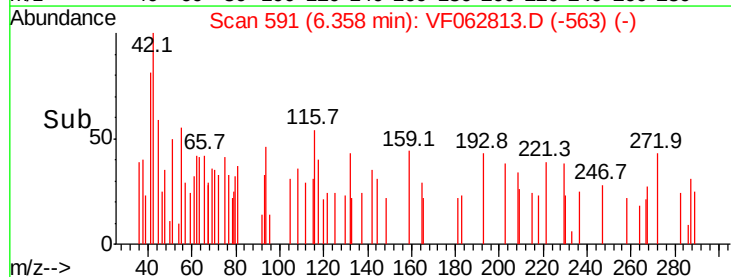
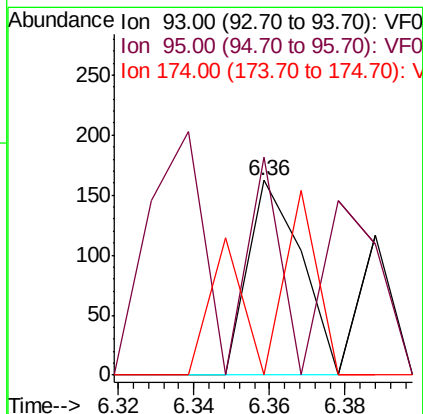
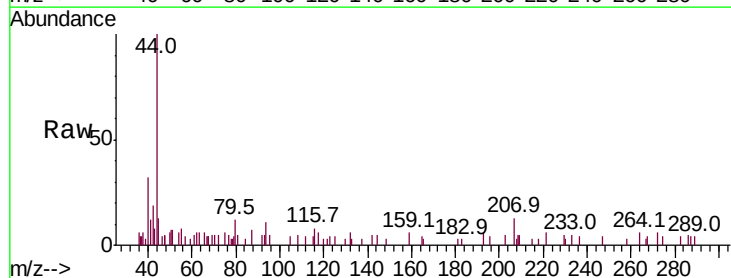
Tgt Ion: 93 Resp: 157

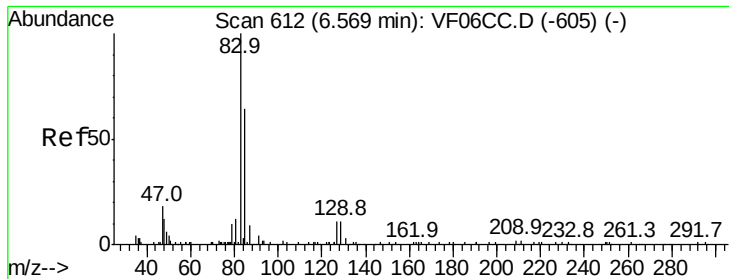
Ion Ratio Lower Upper

93 100

95 112.3 67.9 101.9#

174 0.0 85.0 127.4#





#47

Bromodichloromethane

Concen: 128.198 ug/l

RT: 6.64 min Scan# 620

Delta R.T. 0.06 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

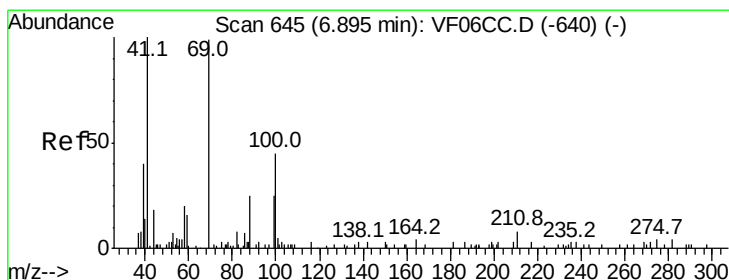
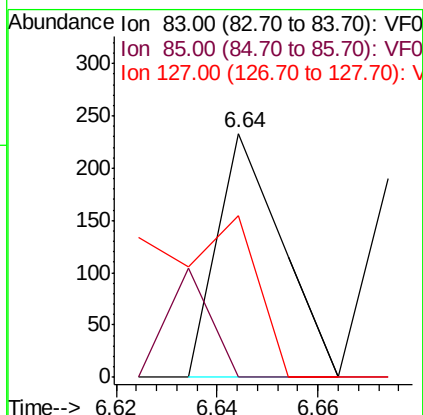
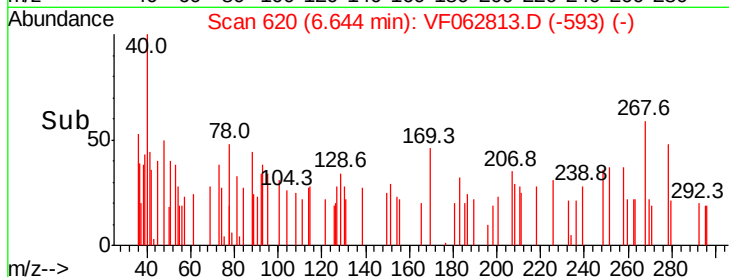
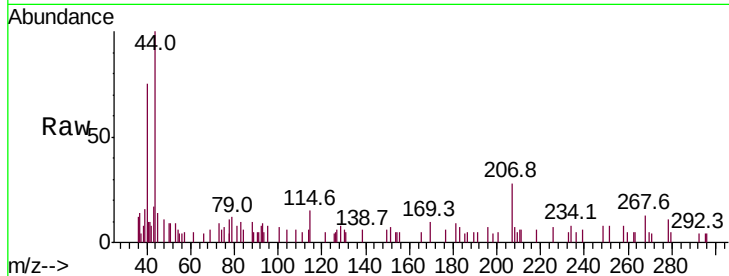
Tot Ion: 83 Resp: 206

Ion Ratio Lower Upper

83 100

85 0.0 54.2 81.4#

127 66.5 7.0 10.4#



#48

Methyl methacrylate

Concen: 2253.108 ug/l

RT: 6.99 min Scan# 655

Delta R.T. 0.09 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

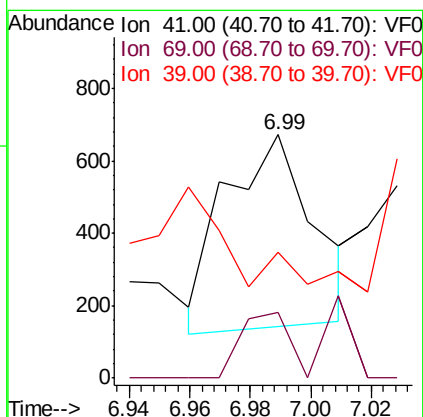
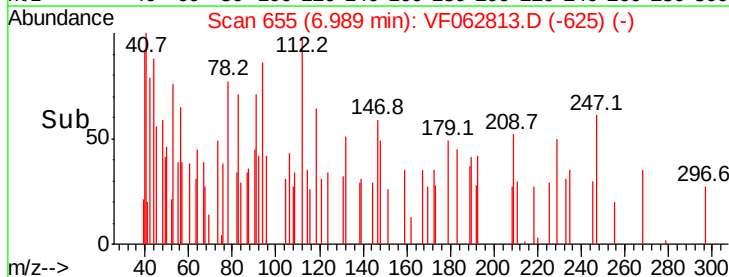
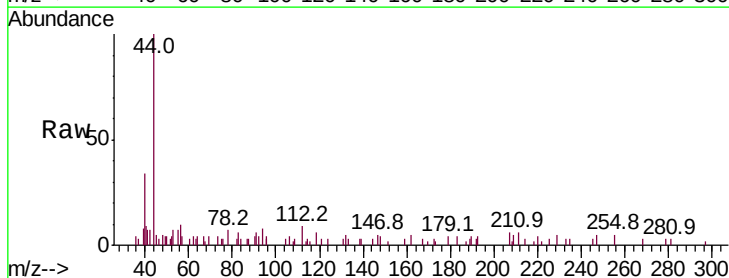
Tgt Ion: 41 Resp: 1085

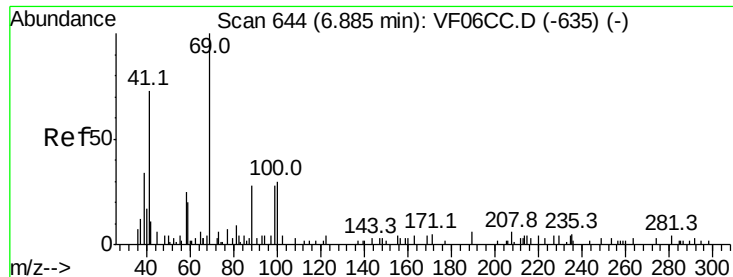
Ion Ratio Lower Upper

41 100

69 26.9 79.4 119.2#

39 51.9 39.8 59.6





#49

1,4-Dioxane

Concen: 13706.261 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

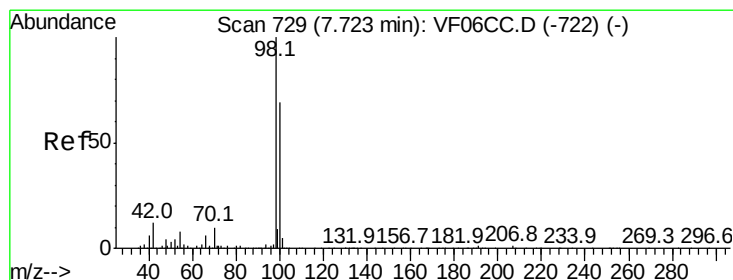
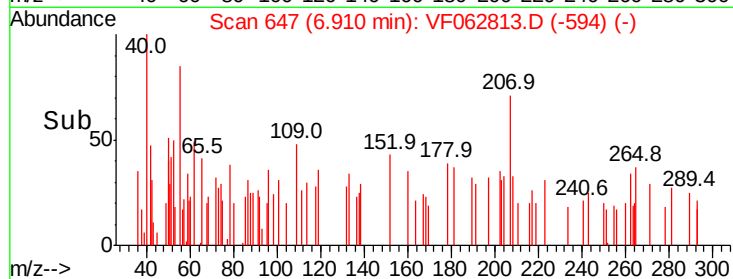
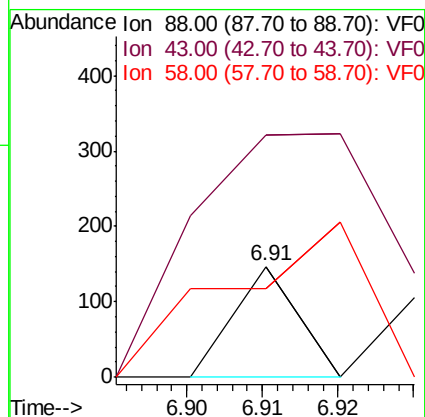
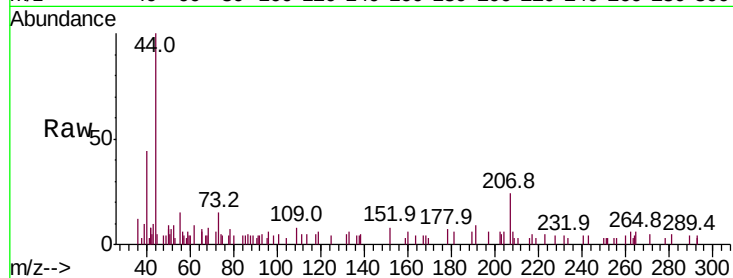
Tot Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 218.4 34.8 52.2#

58 80.3 59.9 89.9



#50

Toluene-d8

Concen: 35.930 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.00 min

Lab File: VF062813.D

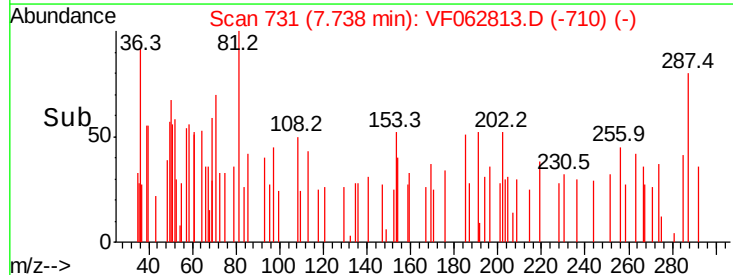
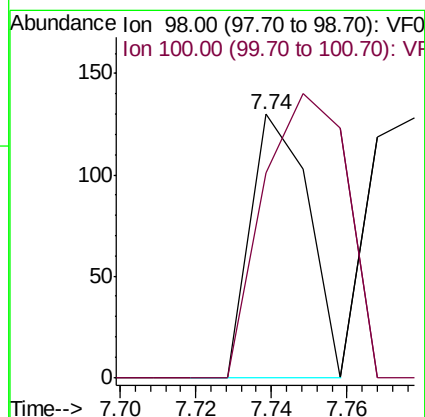
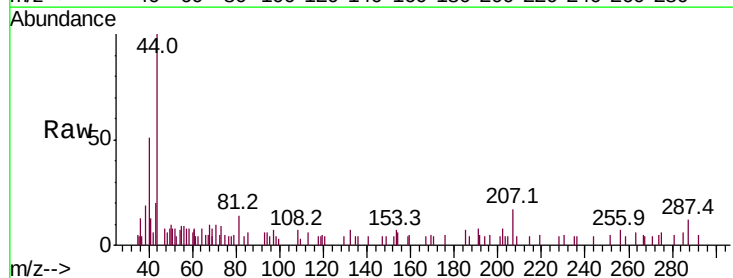
Acq: 31 May 2019 17:14

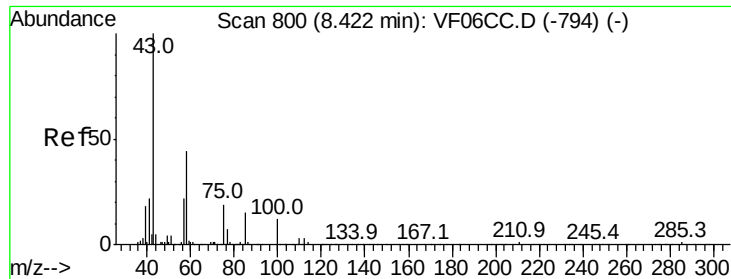
Tgt Ion: 98 Resp: 138

Ion Ratio Lower Upper

98 100

100 77.7 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 641.577 ug/l

RT: 8.55 min Scan# 813

Delta R.T. 0.12 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

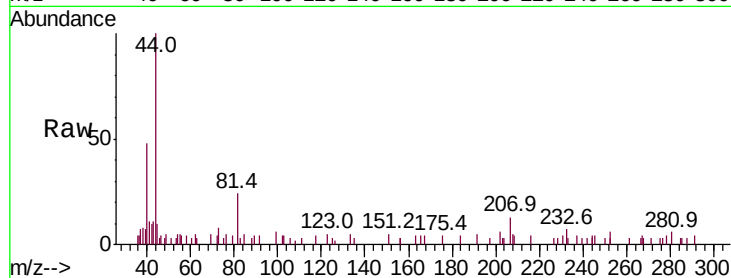
0422-HR-2(HACKENSACK)

Tot Ion: 43 Resp: 428

Ion Ratio Lower Upper

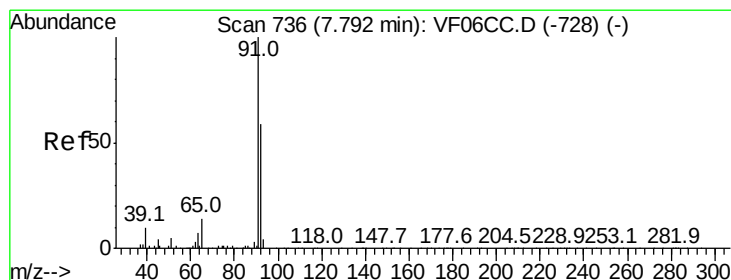
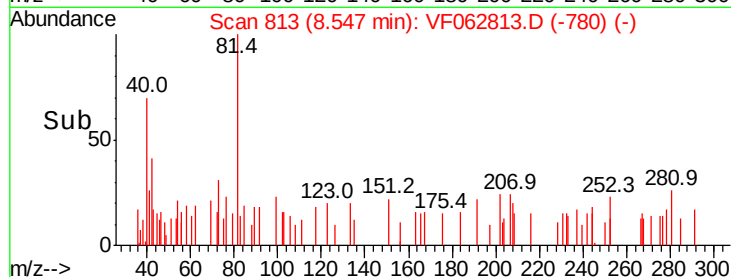
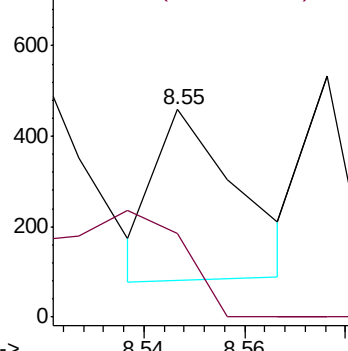
43 100

58 40.3 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 33.786 ug/l

RT: 7.88 min Scan# 745

Delta R.T. 0.07 min

Lab File: VF062813.D

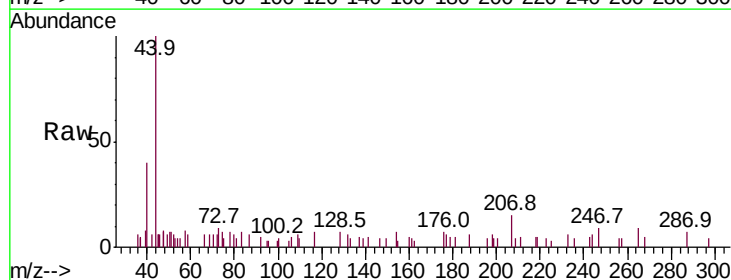
Acq: 31 May 2019 17:14

Tgt Ion: 92 Resp: 98

Ion Ratio Lower Upper

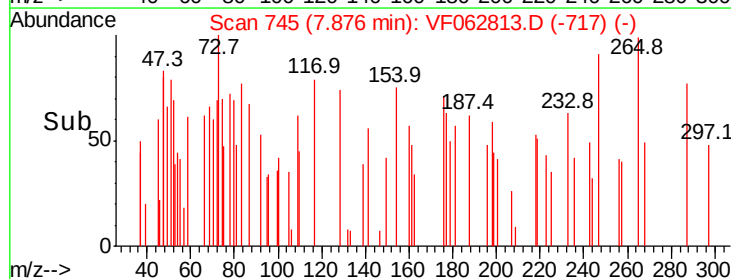
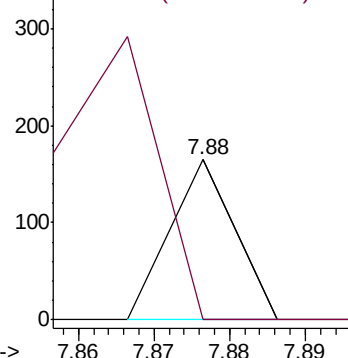
92 100

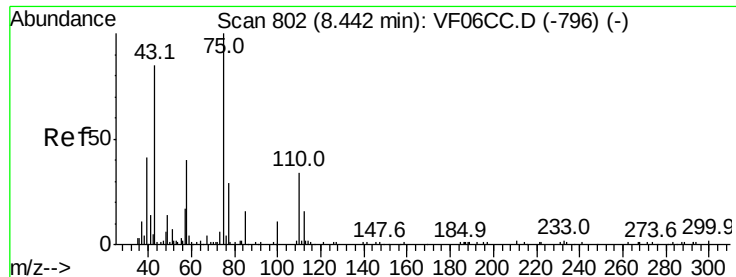
91 0.0 123.2 184.8#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 68.342 ug/l

RT: 8.52 min Scan# 810

Delta R.T. 0.07 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

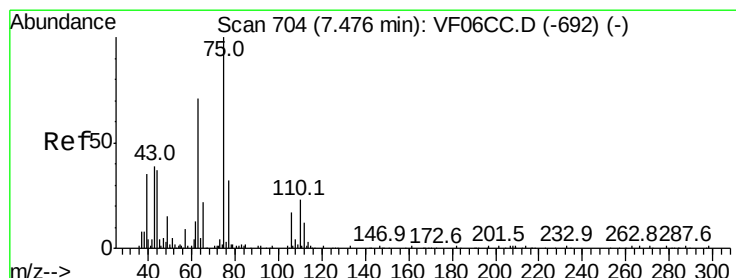
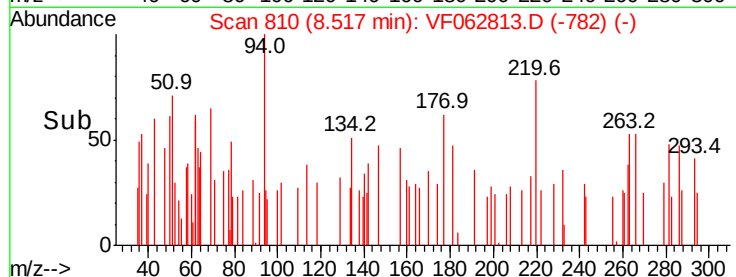
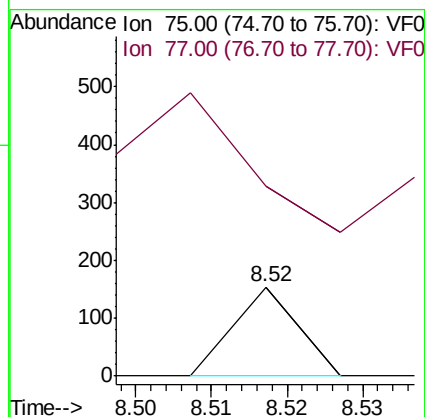
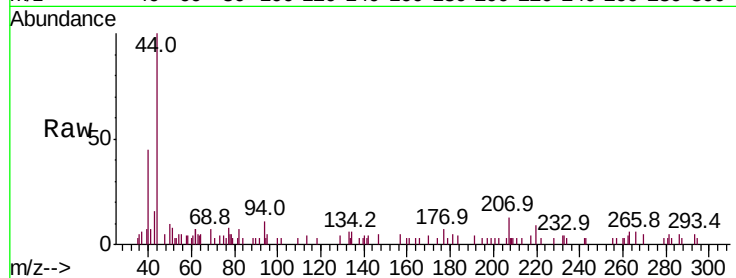
0422-HR-2(HACKENSACK)

Tot Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

77 213.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 114.660 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.03 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

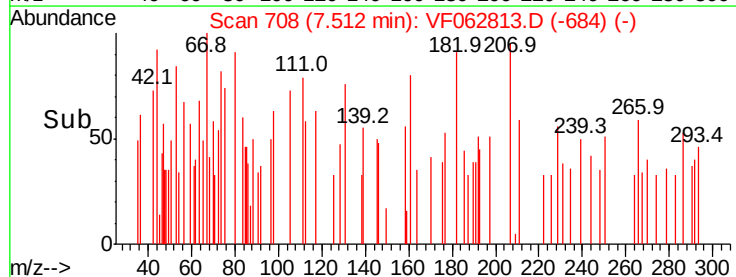
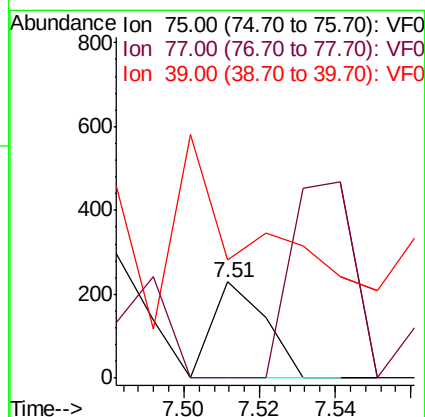
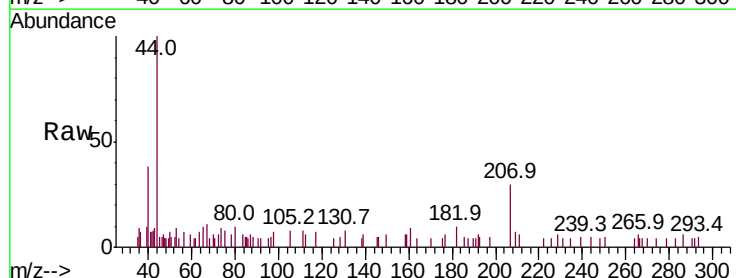
Tgt Ion: 75 Resp: 221

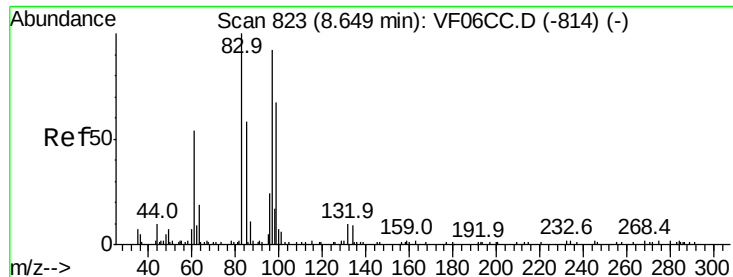
Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

39 122.7 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 285.039 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.11 min

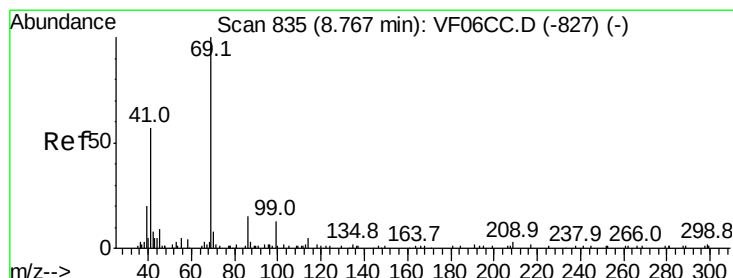
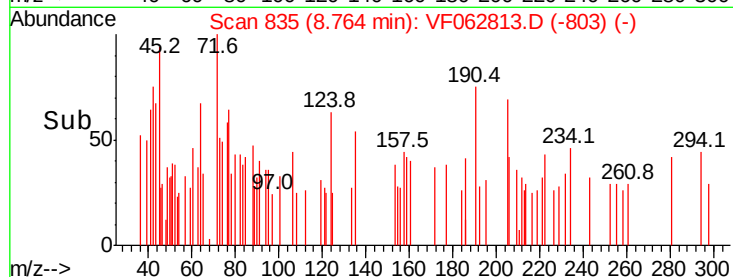
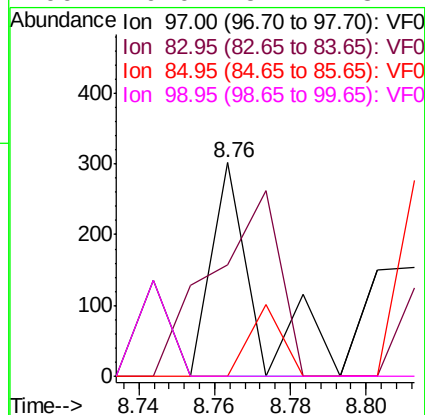
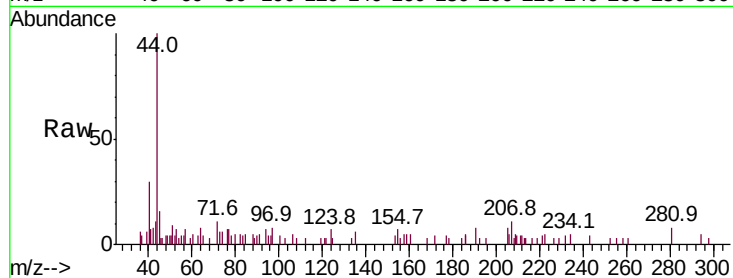
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 97 Resp: 247

Ion	Ratio	Lower	Upper
97	100		
83	52.3	72.0	108.0#
85	0.0	47.5	71.3#
99	0.0	54.1	81.1#



#56

Ethyl methacrylate

Concen: 597.991 ug/l

RT: 8.93 min Scan# 852

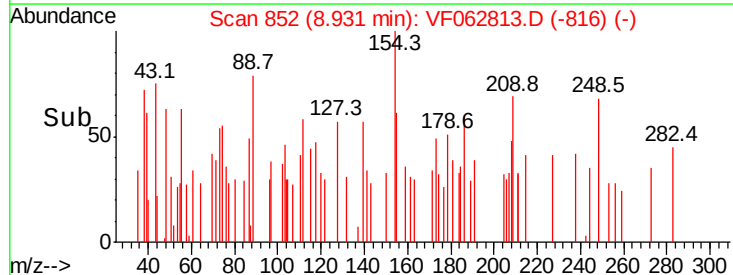
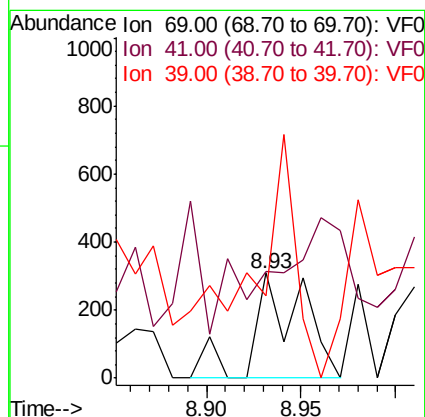
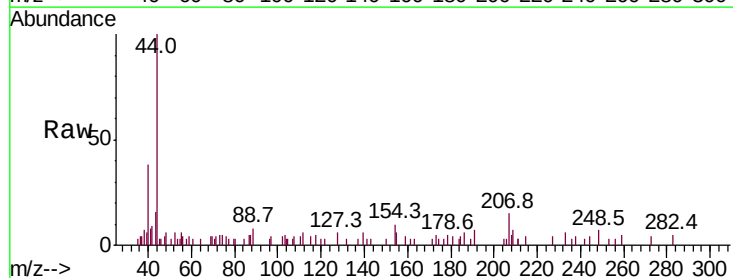
Delta R.T. 0.15 min

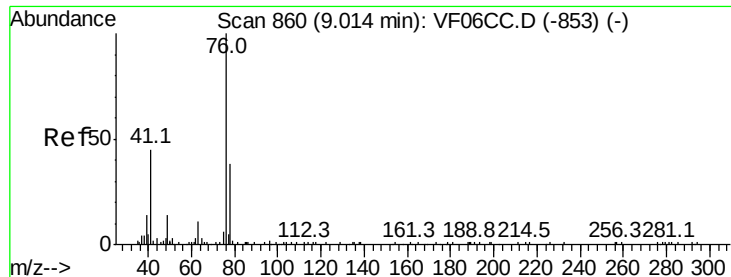
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion: 69 Resp: 556

Ion	Ratio	Lower	Upper
69	100		
41	101.6	46.6	69.8#
39	78.0	19.6	29.4#





#57

1,3-Dichloropropane

Concen: 373.830 ug/l

RT: 9.05 min Scan# 864

Delta R.T. 0.03 min

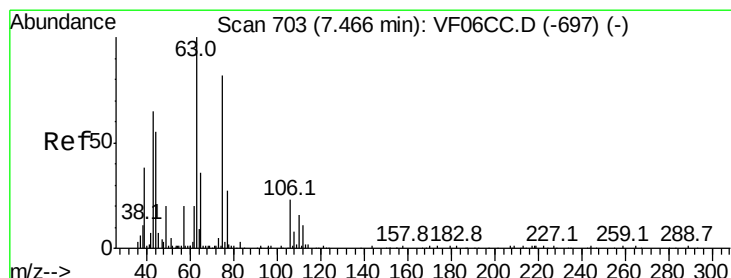
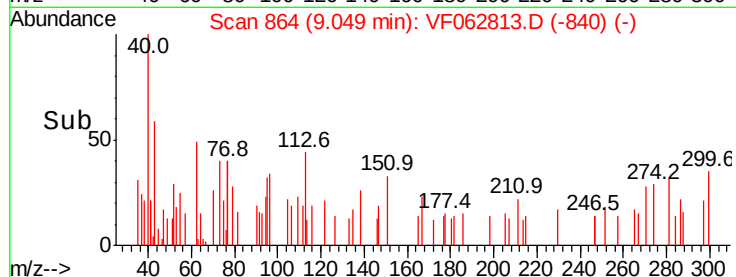
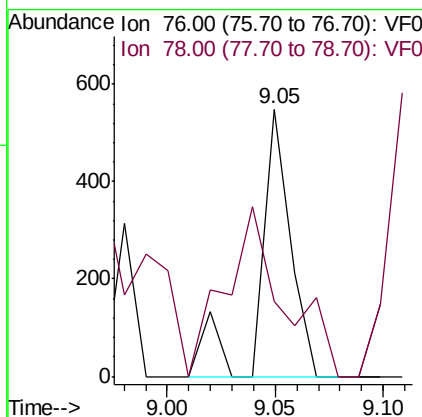
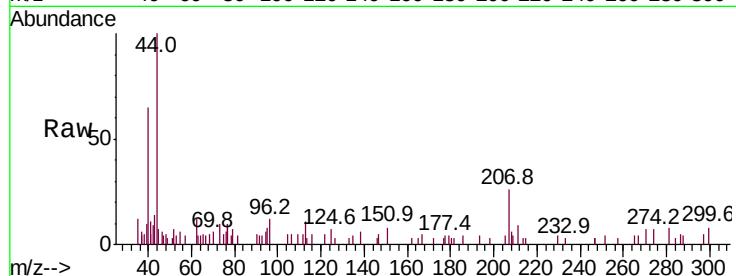
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion: 76 Resp: 529

Ion	Ratio	Lower	Upper
76	100		
78	27.9	26.8	40.2



#58

2-Chloroethyl Vinyl ether

Concen: 443.148 ug/l

RT: 7.56 min Scan# 713

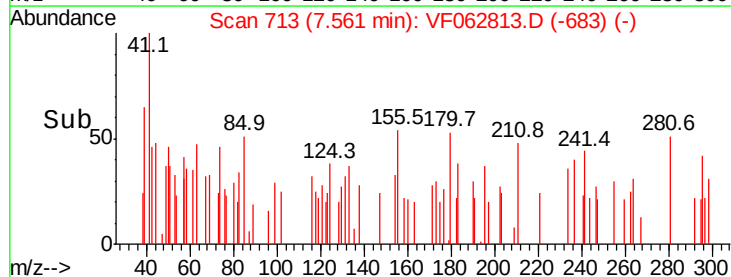
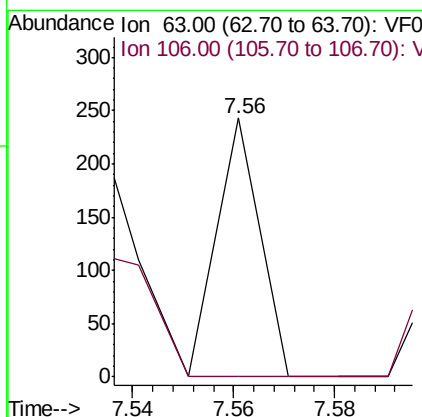
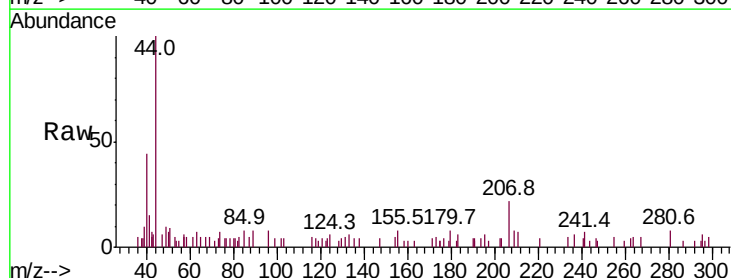
Delta R.T. 0.09 min

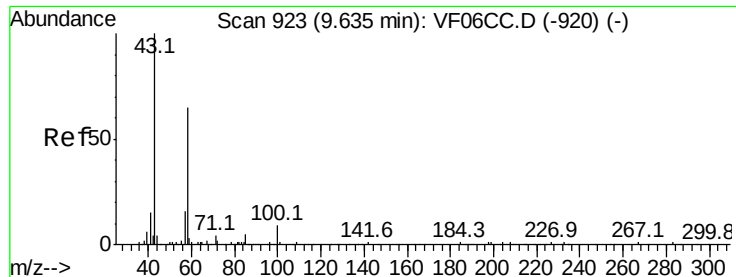
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion: 63 Resp: 144

Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.5	29.3#

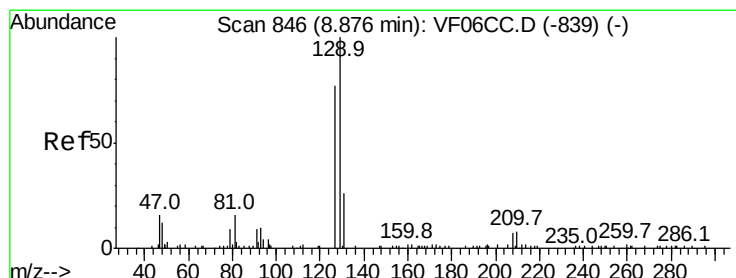
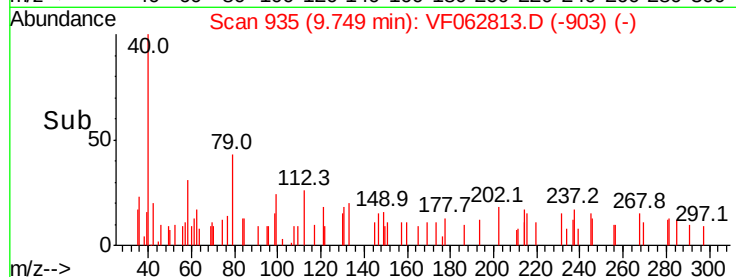
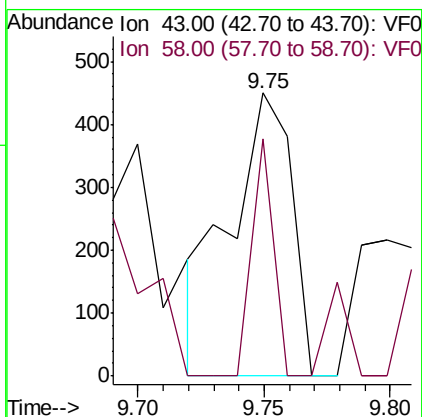
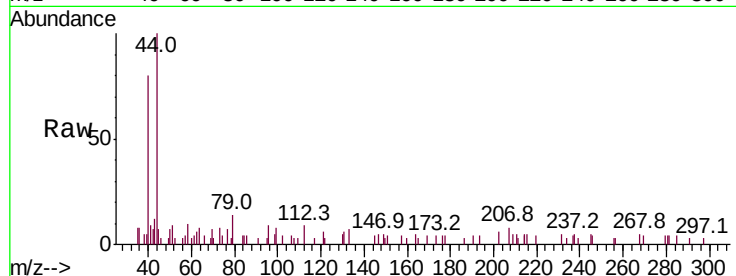




#59
2-Hexanone
Concen: 1606.757 ug/l
RT: 9.75 min Scan# 935
Delta R.T. 0.11 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

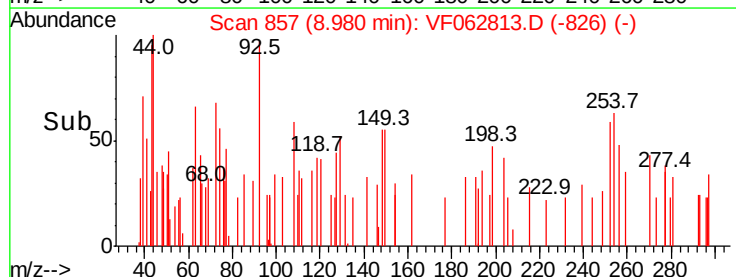
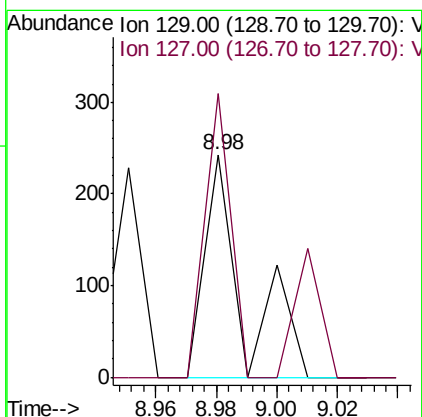
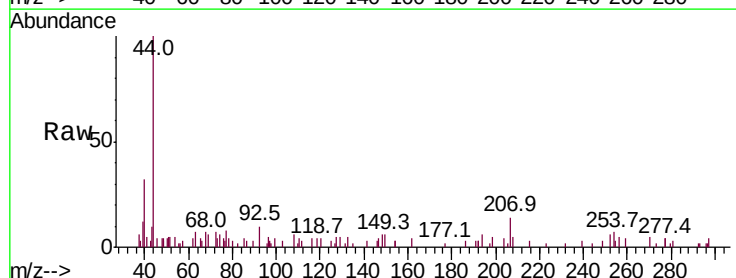
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

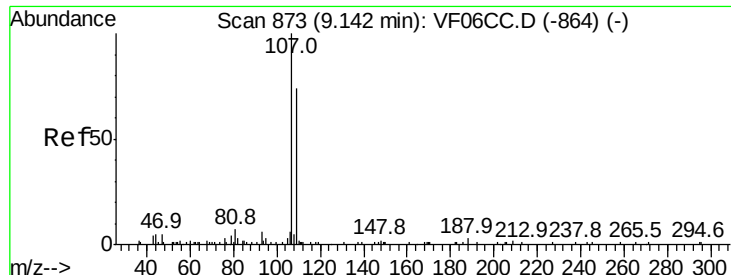
Tot Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 83.8 29.3 87.9



#60
Dibromochloromethane
Concen: 201.336 ug/l
RT: 8.98 min Scan# 857
Delta R.T. 0.10 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 129 Resp: 216
Ion Ratio Lower Upper
129 100
127 127.2 37.1 111.3#





#61

1,2-Dibromoethane

Concen: 155.563 ug/l

RT: 9.22 min Scan# 881

Delta R.T. 0.06 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

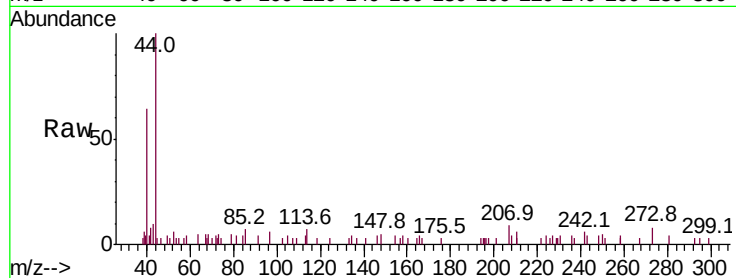
0422-HR-2(HACKENSACK)

Tot Ion:107 Resp: 140

Ion Ratio Lower Upper

107 100

109 84.6 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

300

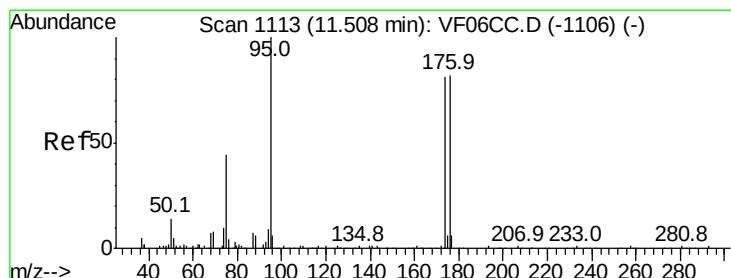
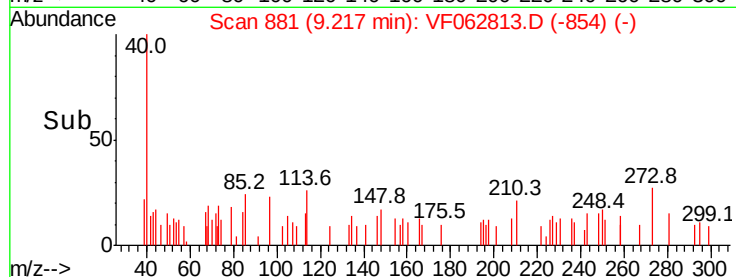
200

100

0

9.18 9.20 9.22 9.24

Time-->



#62

4-Bromofluorobenzene

Concen: 541.402 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.09 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

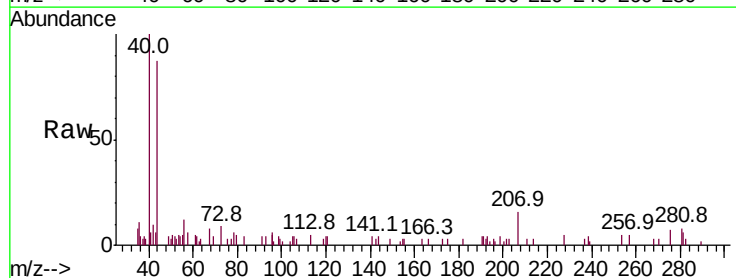
Tgt Ion: 95 Resp: 748

Ion Ratio Lower Upper

95 100

174 0.0 0.0 170.6

176 0.0 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

600

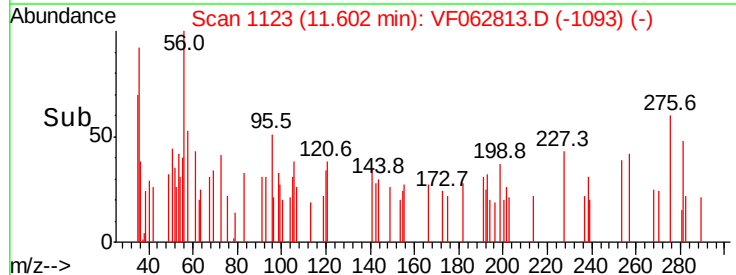
400

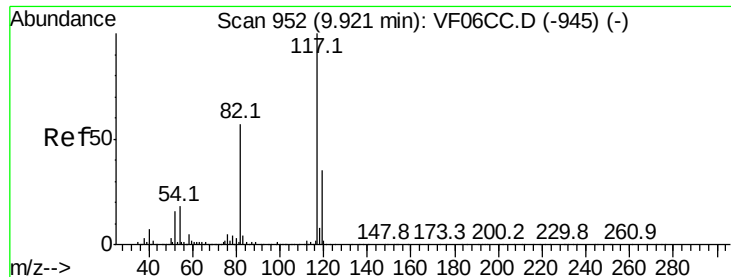
200

0

11.55 11.60 11.65

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.09 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

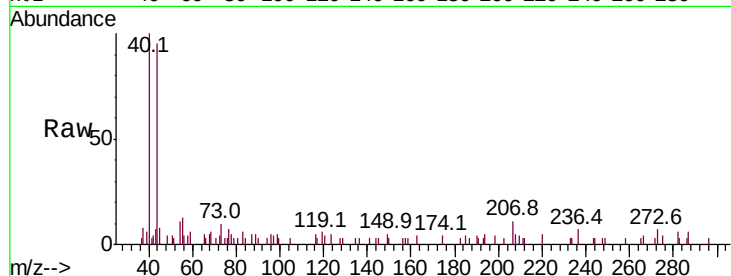
Tot Ion:117 Resp: 67

Ion Ratio Lower Upper

117 100

82 0.0 42.4 63.6#

119 190.4 27.1 40.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

600

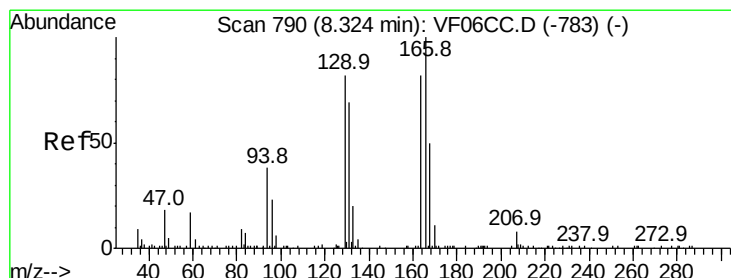
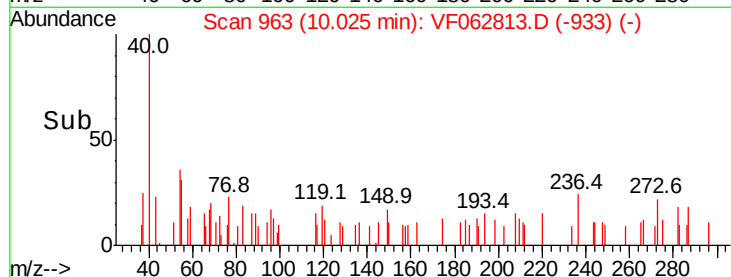
400

200

0

10.02 10.03 10.04

Time-->



#64

Tetrachloroethene

Concen: 128.192 ug/l

RT: 8.31 min Scan# 789

Delta R.T. -0.02 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion:164 Resp: 66

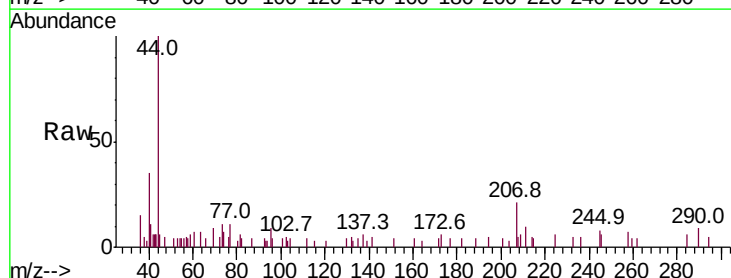
Ion Ratio Lower Upper

164 100

166 0.0 99.1 148.7#

129 115.2 69.5 104.3#

131 0.0 69.2 103.8#



Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

300

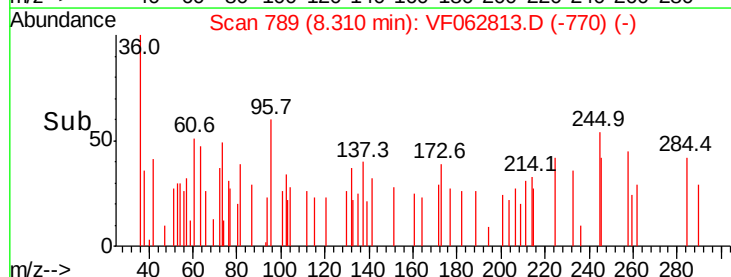
200

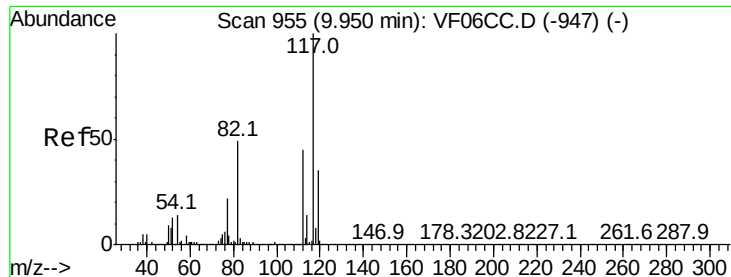
100

0

8.28 8.30 8.31 8.32

Time-->

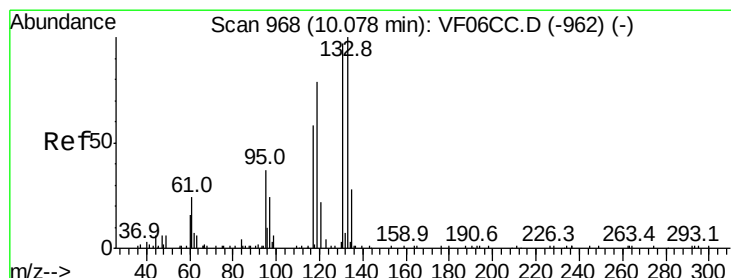
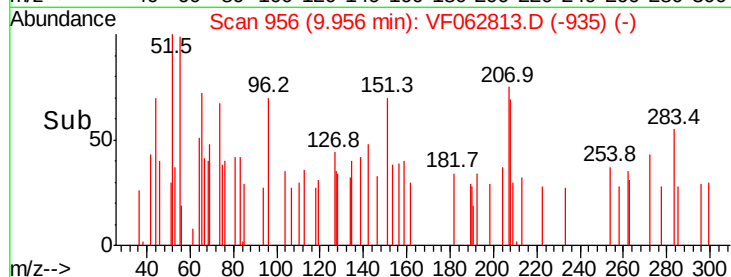
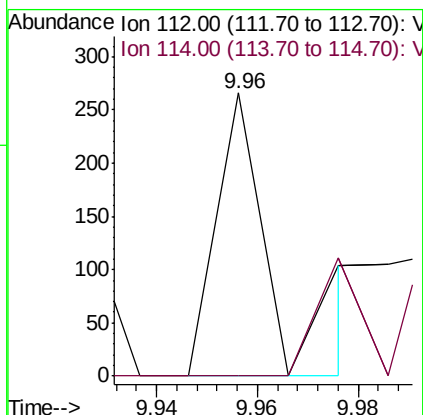
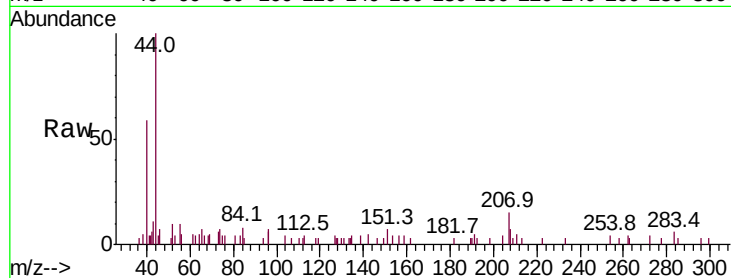




#65
Chlorobenzene
Concen: 169.259 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

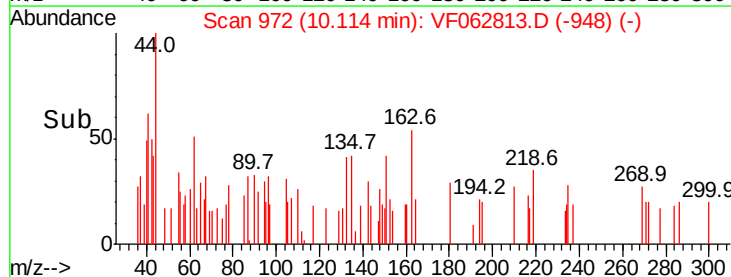
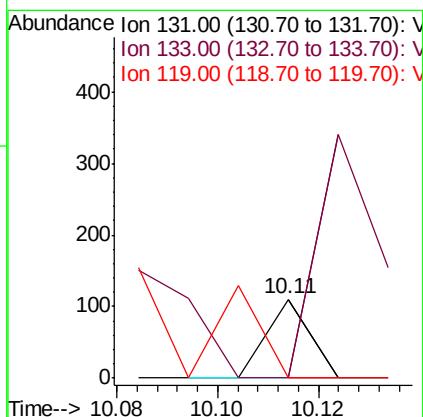
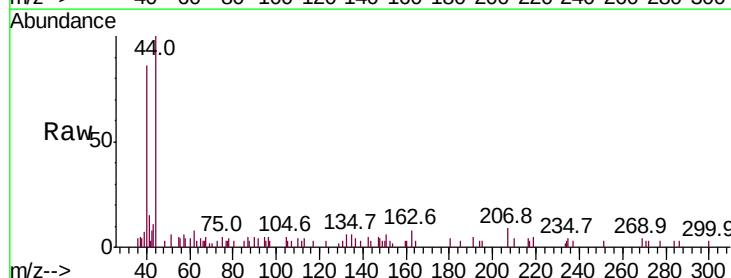
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

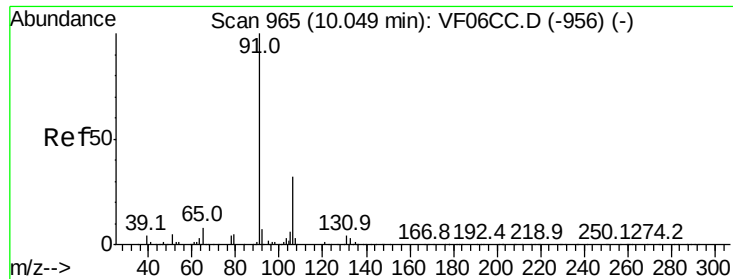
Tot Ion:112 Resp: 219
Ion Ratio Lower Upper
112 100
114 0.0 27.4 41.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 126.141 ug/l
RT: 10.11 min Scan# 972
Delta R.T. 0.03 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion:131 Resp: 65
Ion Ratio Lower Upper
131 100
133 0.0 48.9 146.7#
119 0.0 38.0 114.0#





#67

Ethyl Benzene

Concen: 45.939 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

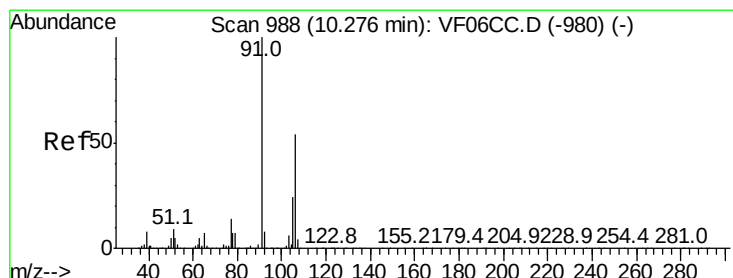
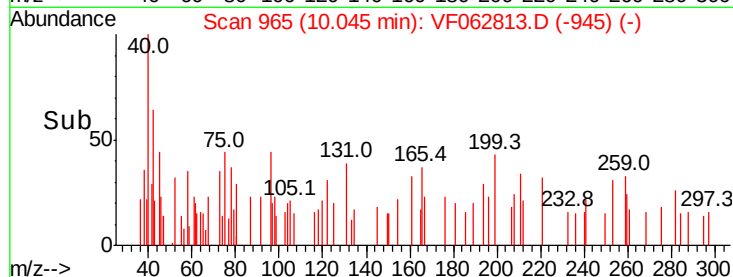
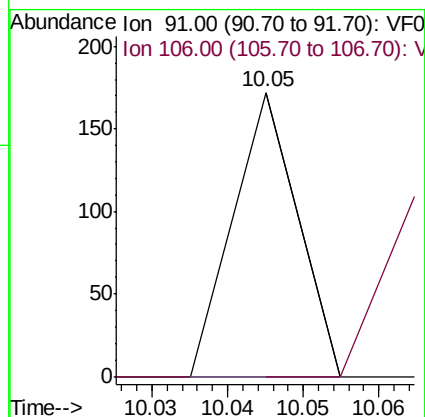
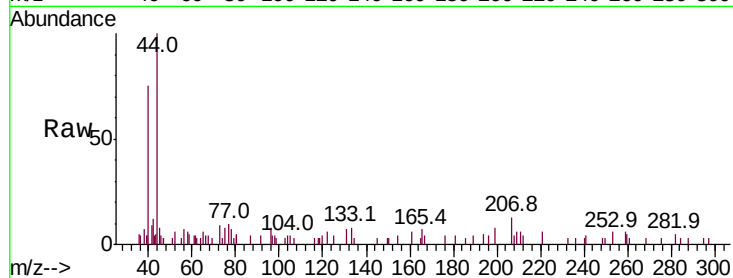
0422-HR-2(HACKENSACK)

Tot Ion: 91 Resp: 102

Ion Ratio Lower Upper

91 100

106 0.0 26.0 39.0#



#68

m/p-Xylenes

Concen: 108.280 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062813.D

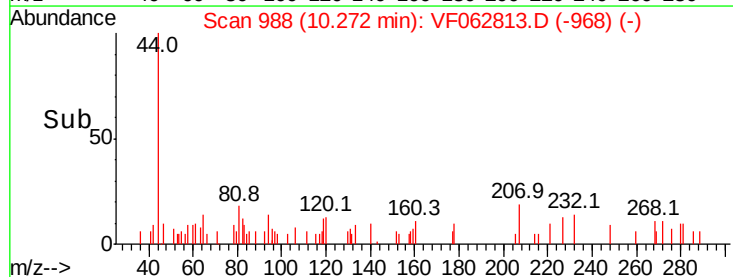
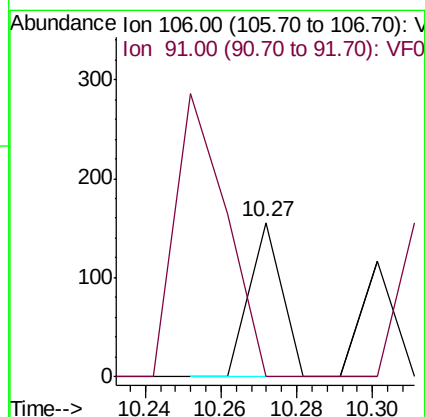
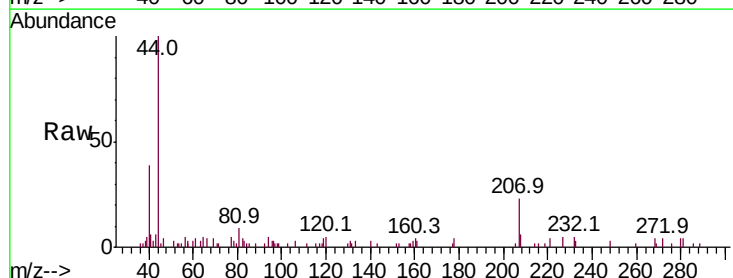
Acq: 31 May 2019 17:14

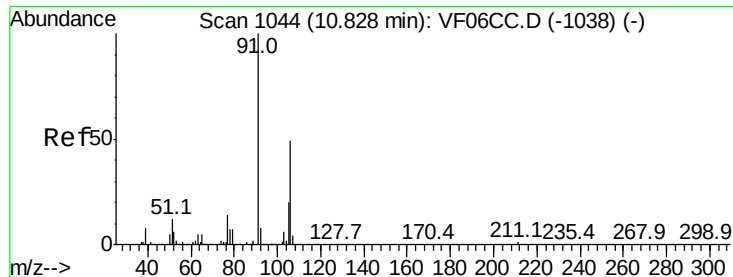
Tgt Ion: 106 Resp: 92

Ion Ratio Lower Upper

106 100

91 0.0 136.2 204.4#

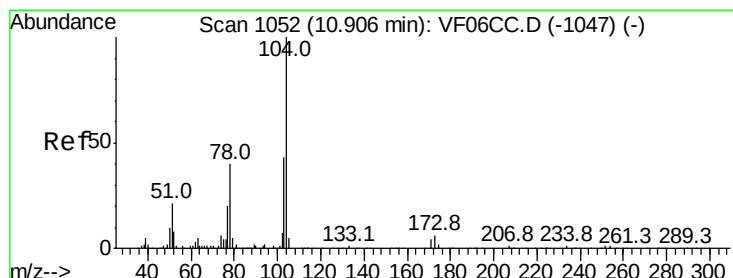
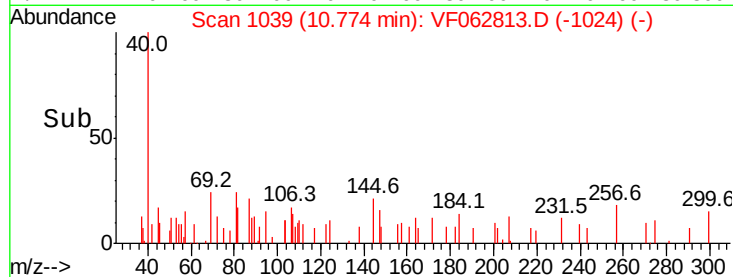
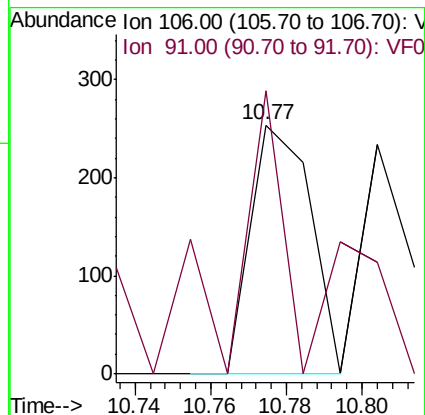
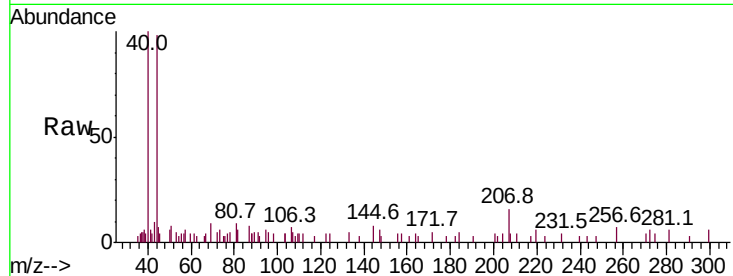




#69
o-Xylene
Concen: 323.167 ug/l
RT: 10.77 min Scan# 1039
Delta R.T. -0.06 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

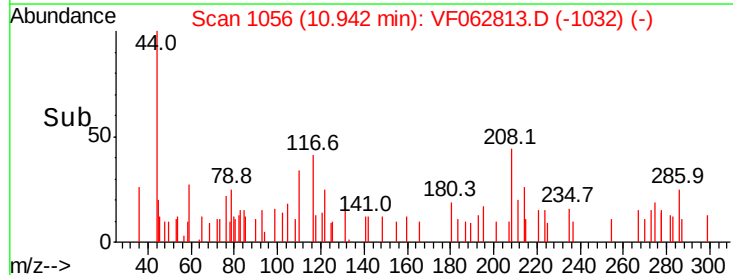
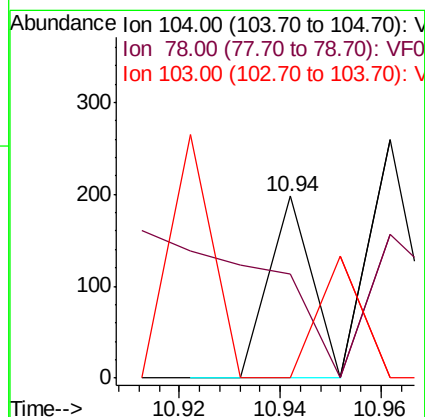
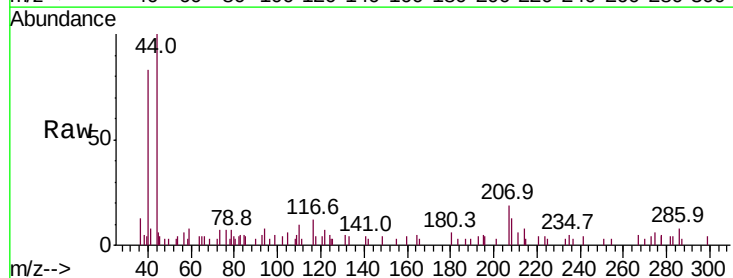
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

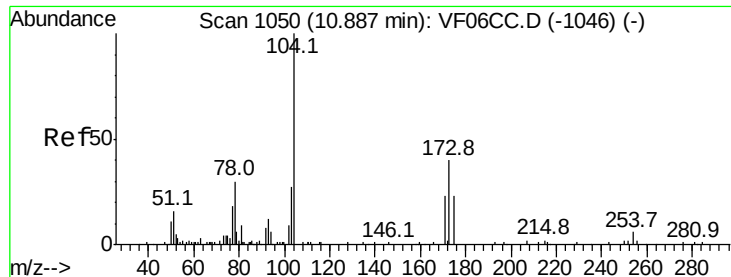
Tot Ion:106 Resp: 278
Ion Ratio Lower Upper
106 100
91 113.4 96.6 289.8



#70
Styrene
Concen: 92.276 ug/l
RT: 10.94 min Scan# 1056
Delta R.T. 0.03 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion:104 Resp: 117
Ion Ratio Lower Upper
104 100
78 57.1 30.8 46.2#
103 0.0 35.8 53.6#





#71

Bromoform

Concen: 339.810 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

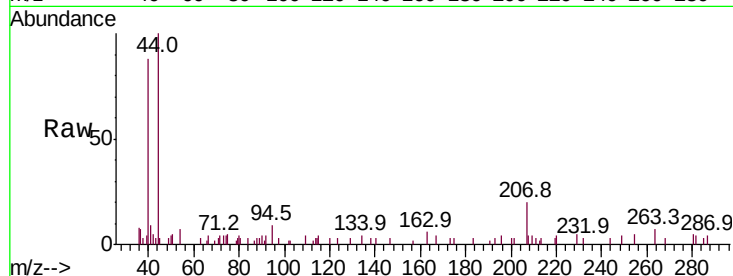
Tot Ion:173 Resp: 84

Ion Ratio Lower Upper

173 100

175 92.3 24.6 74.0#

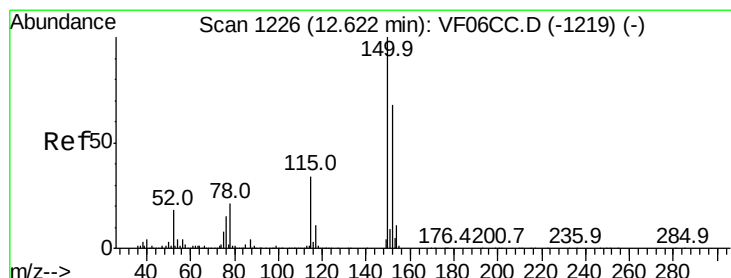
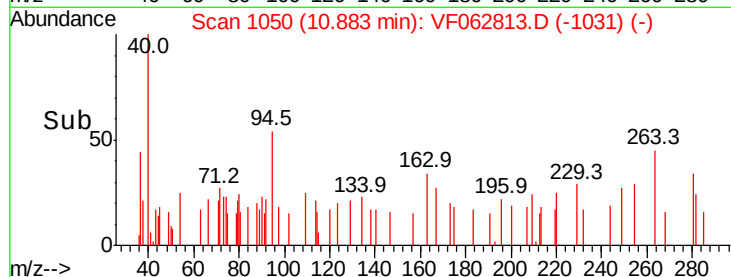
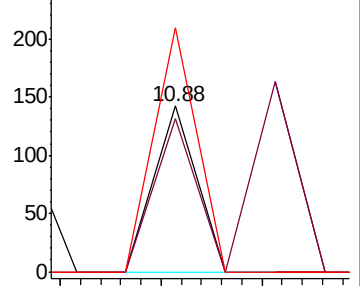
254 147.2 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

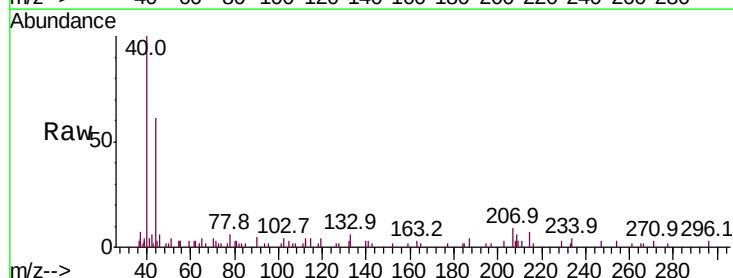
Tgt Ion:152 Resp: 61

Ion Ratio Lower Upper

152 100

115 206.8 24.6 74.0#

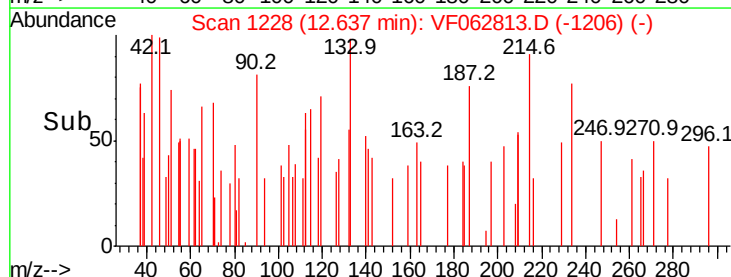
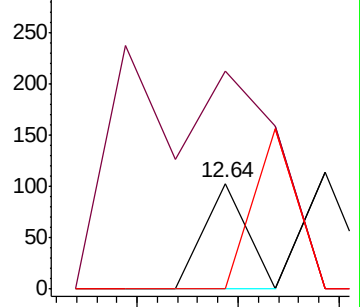
150 0.0 0.0 290.6

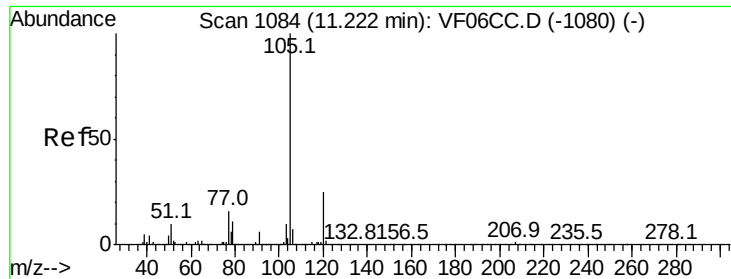


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 36.886 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

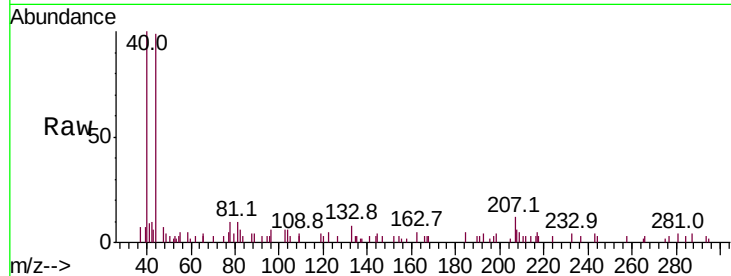
0422-HR-2(HACKENSACK)

Tot Ion:105 Resp: 157

Ion Ratio Lower Upper

105 100

120 75.6 15.1 45.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

150

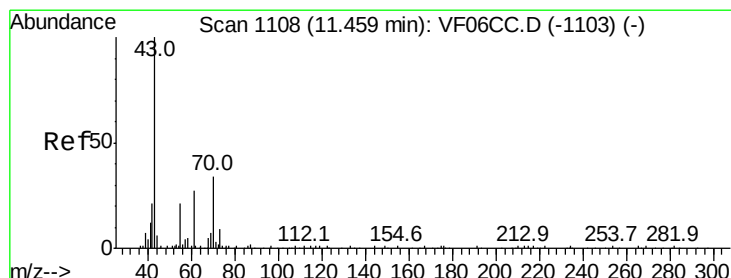
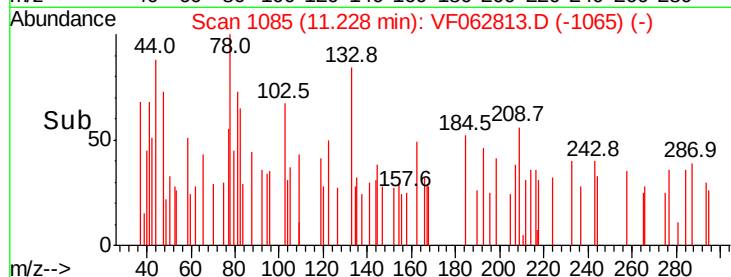
100

50

0

11.20 11.25

Time-->



#74

N-ethyl acetate

Concen: 535.171 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion: 43 Resp: 642

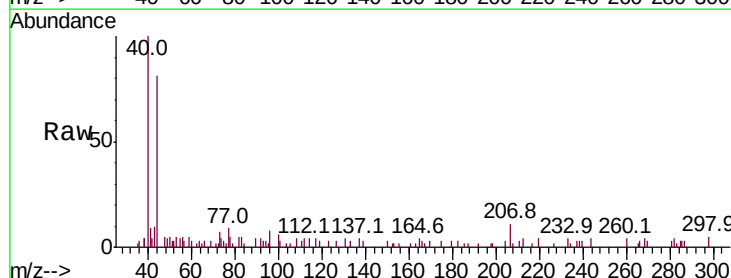
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 39.4 17.3 25.9#

61 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

800

600

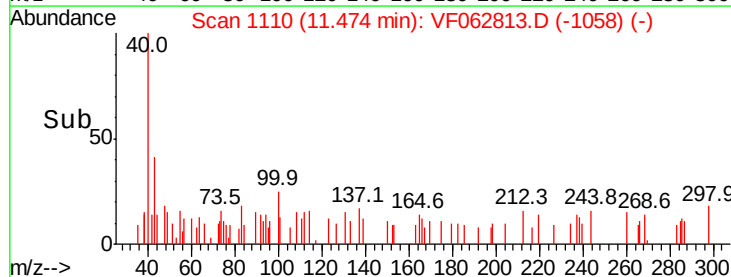
400

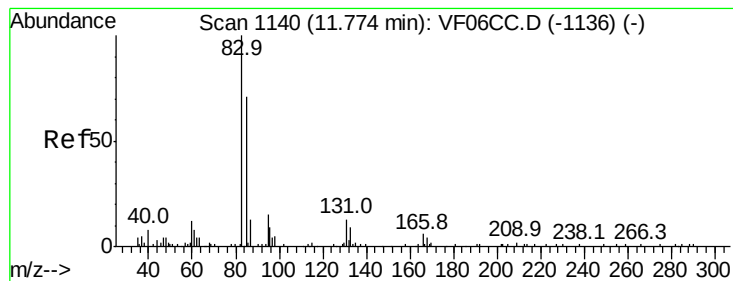
200

0

11.46 11.48 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 67.111 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

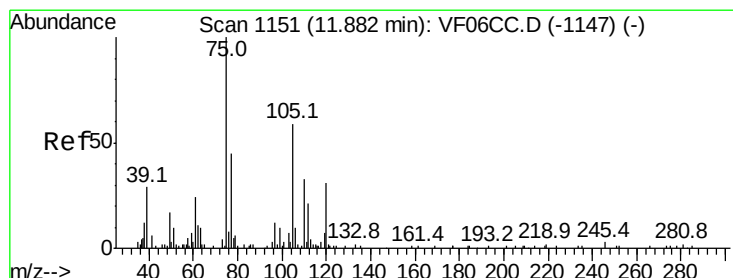
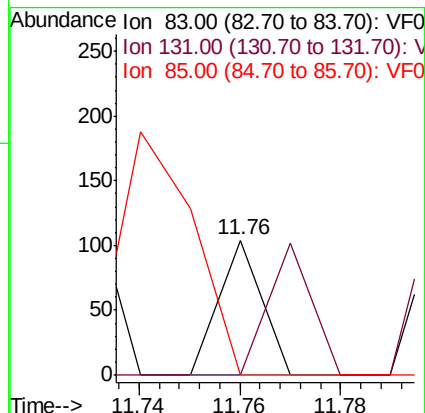
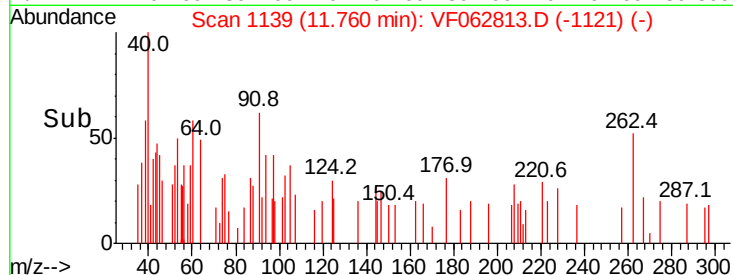
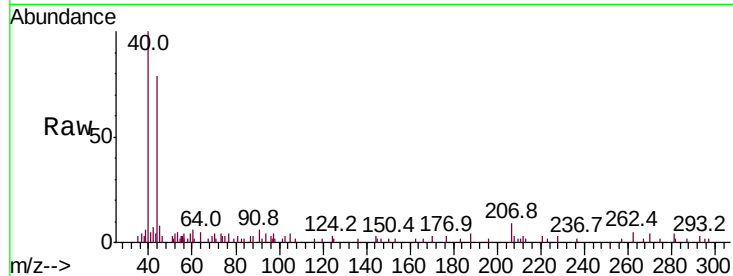
Tot Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 770.120 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.07 min

Lab File: VF062813.D

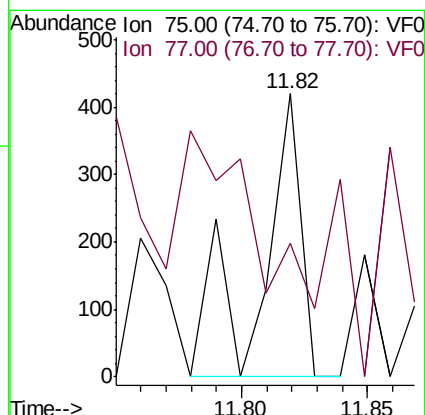
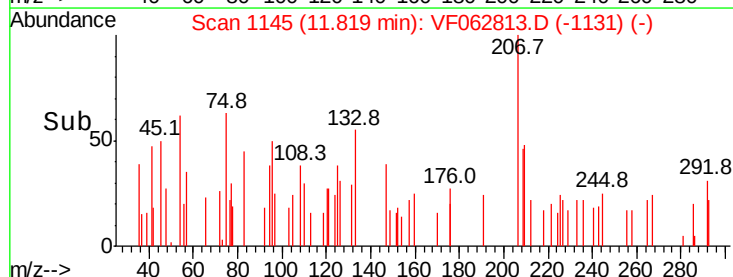
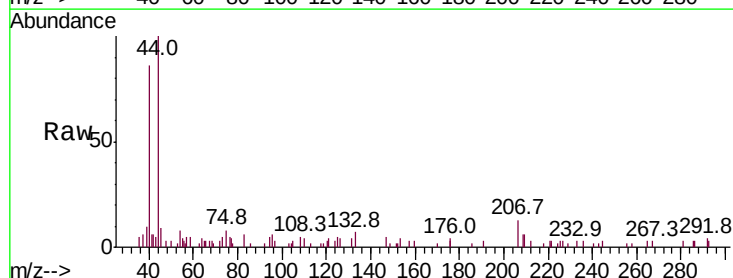
Acq: 31 May 2019 17:14

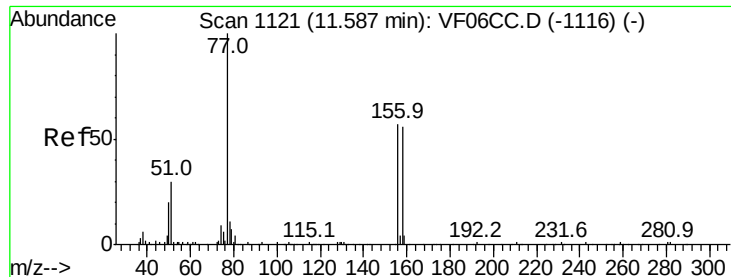
Tgt Ion: 75 Resp: 464

Ion Ratio Lower Upper

75 100

77 47.1 20.1 60.2





#77

Bromobenzene

Concen: 58.909 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.08 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

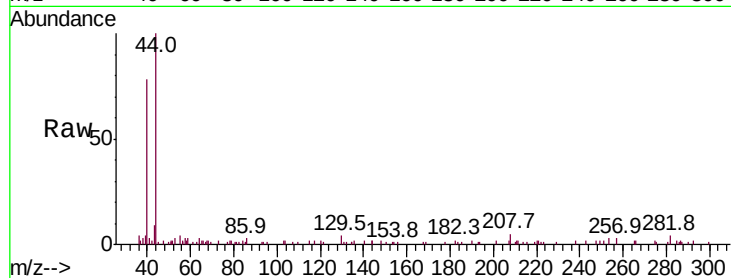
Tot Ion:156 Resp: 63

Ion Ratio Lower Upper

156 100

77 108.4 64.2 192.6

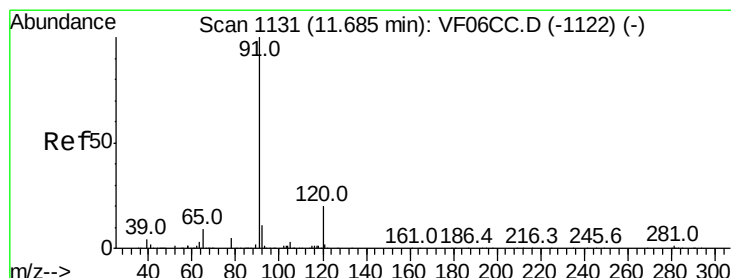
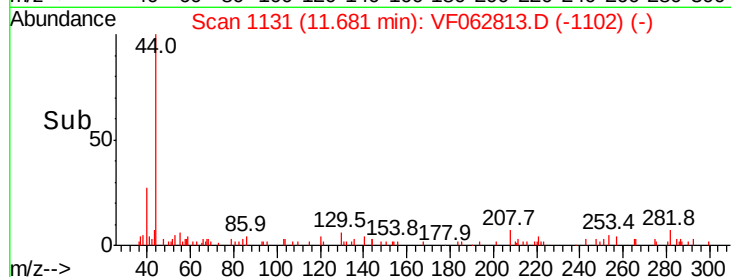
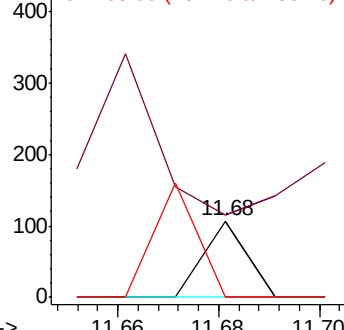
158 0.0 50.3 151.0#



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: 45.338 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.07 min

Lab File: VF062813.D

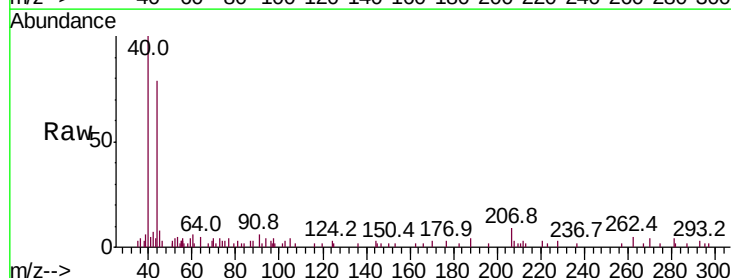
Acq: 31 May 2019 17:14

Tgt Ion: 91 Resp: 233

Ion Ratio Lower Upper

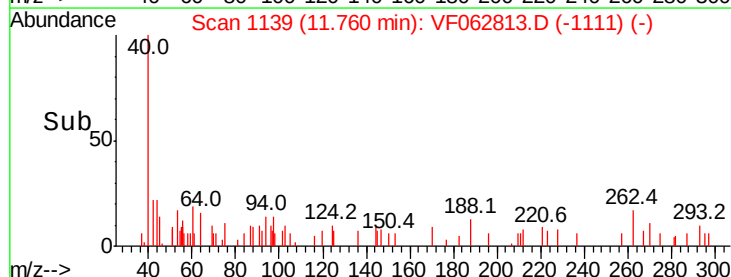
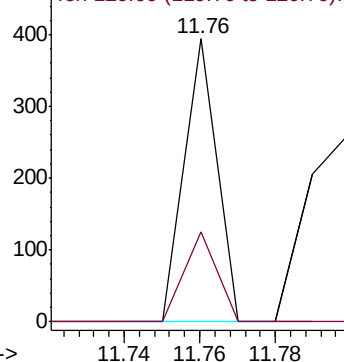
91 100

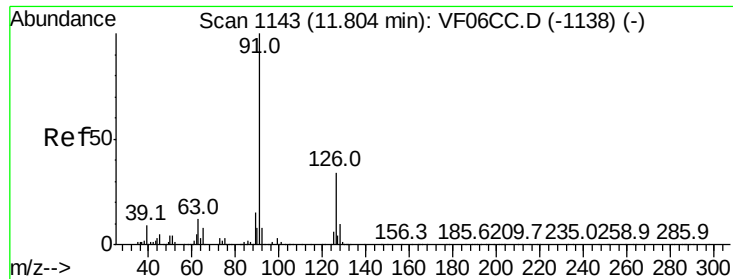
120 32.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

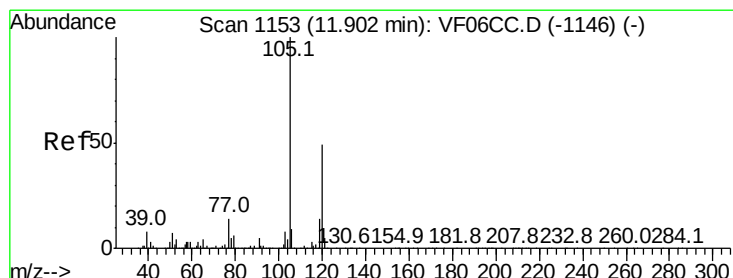
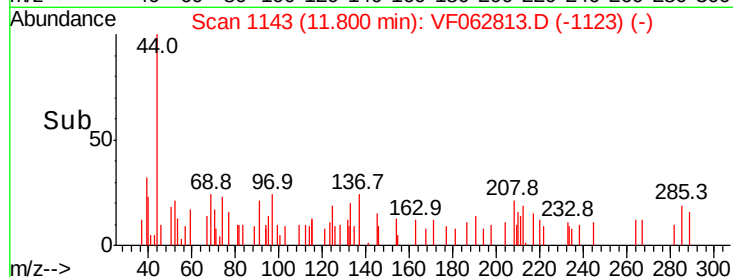
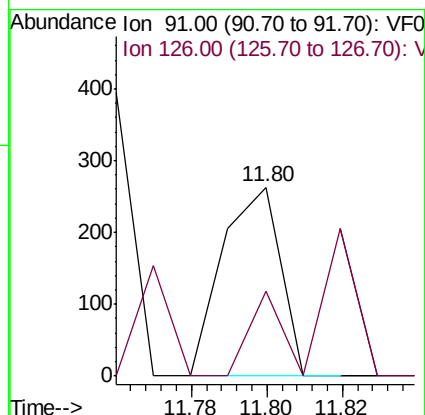
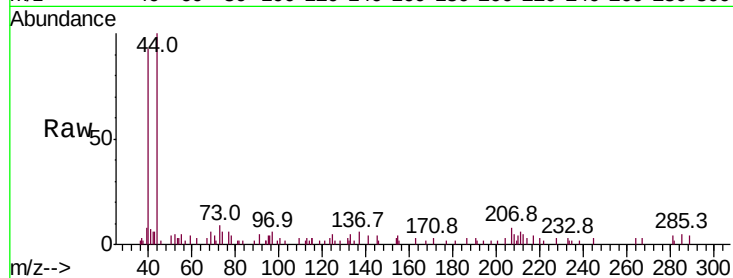




#79
2-Chlorotoluene
Concen: 94.197 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

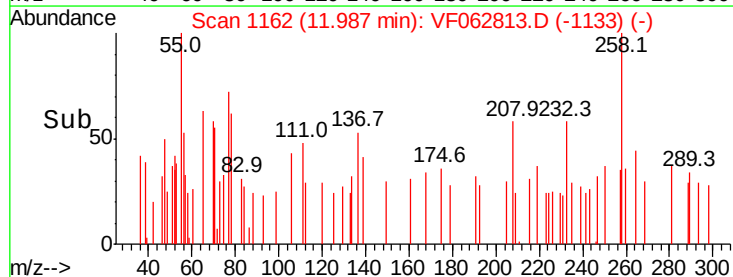
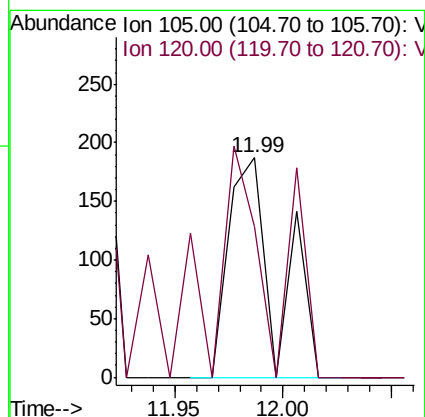
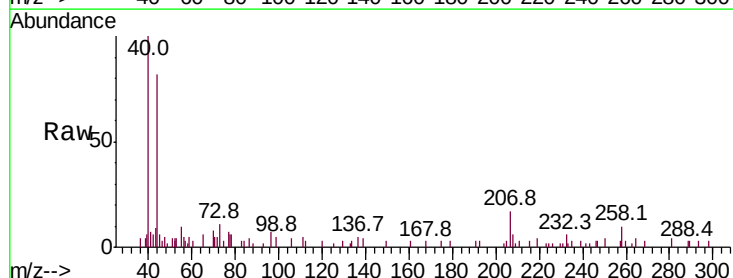
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

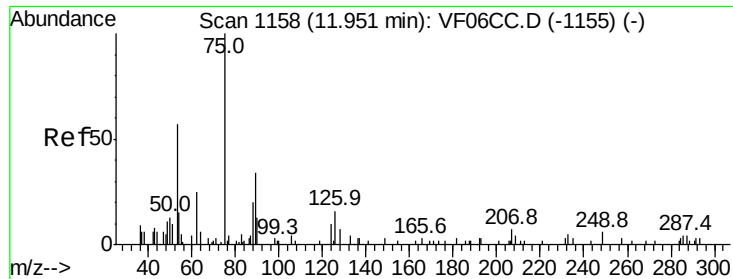
Tot Ion: 91 Resp: 277
Ion Ratio Lower Upper
91 100
126 44.9 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 83.314 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.08 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 105 Resp: 290
Ion Ratio Lower Upper
105 100
120 68.4 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 1281.945 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

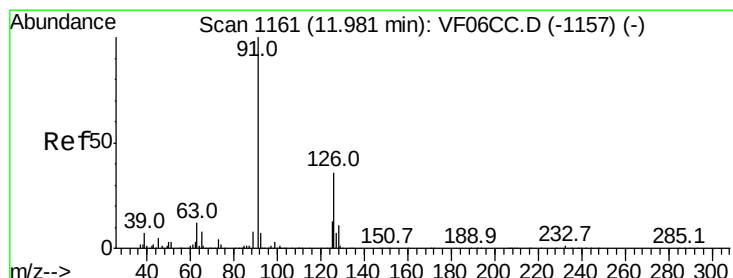
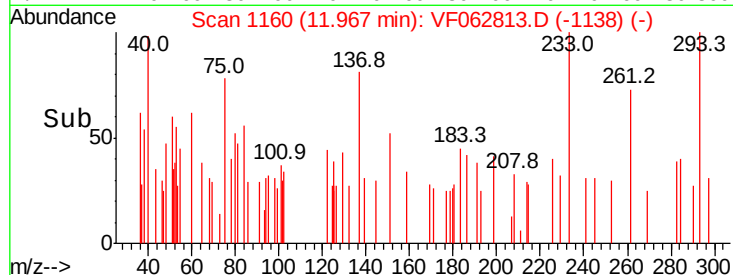
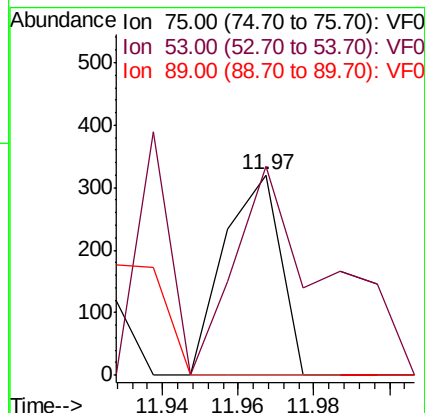
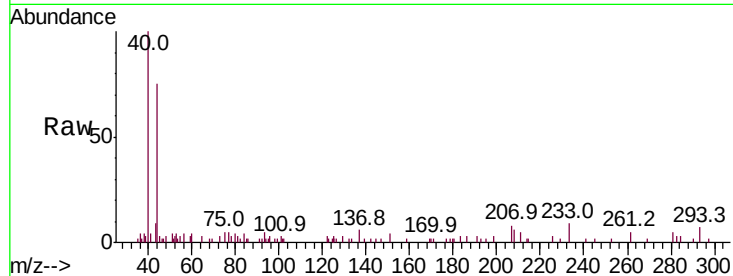
Tot Ion: 75 Resp: 327

Ion Ratio Lower Upper

75 100

53 104.4 43.5 65.3#

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 43.946 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF062813.D

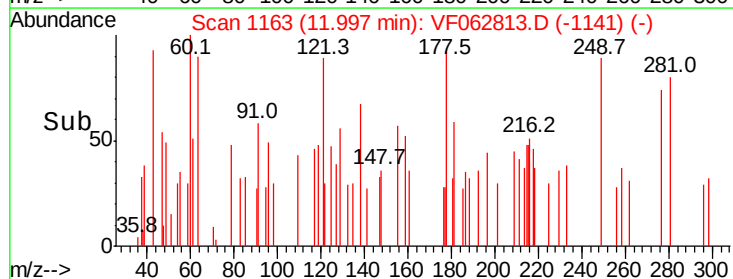
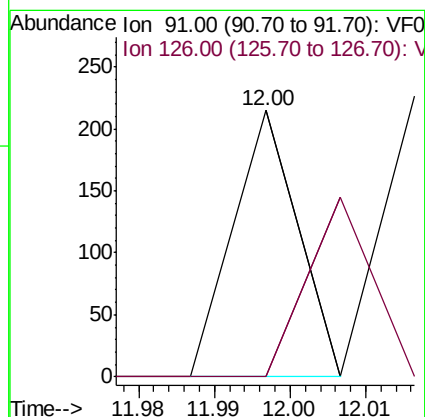
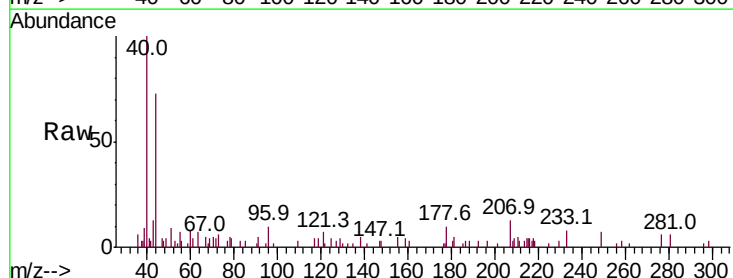
Acq: 31 May 2019 17:14

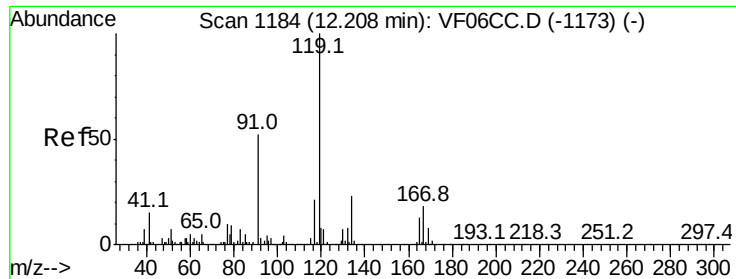
Tgt Ion: 91 Resp: 127

Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.1#





#83

tert-Butylbenzene

Concen: 64.076 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

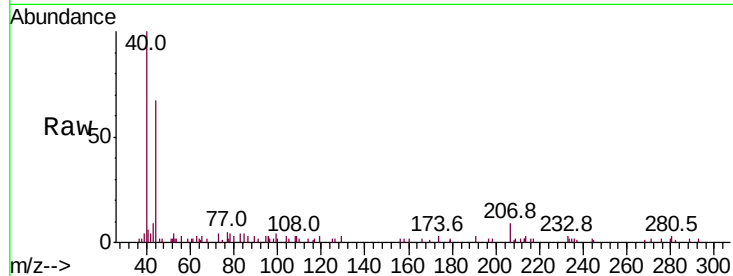
Tot Ion:119 Resp: 221

Ion Ratio Lower Upper

119 100

91 49.6 28.9 86.7

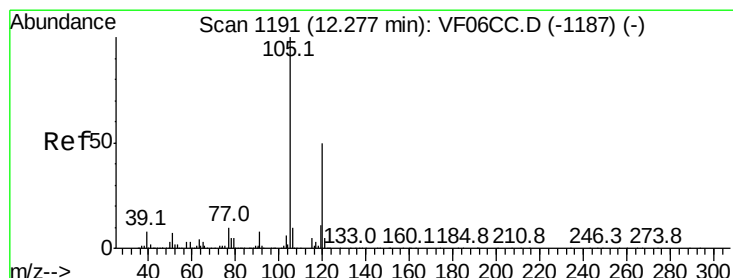
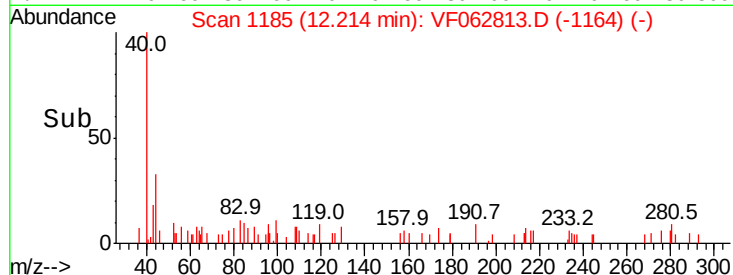
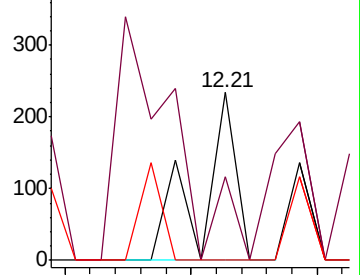
134 0.0 14.3 42.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 65.450 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF062813.D

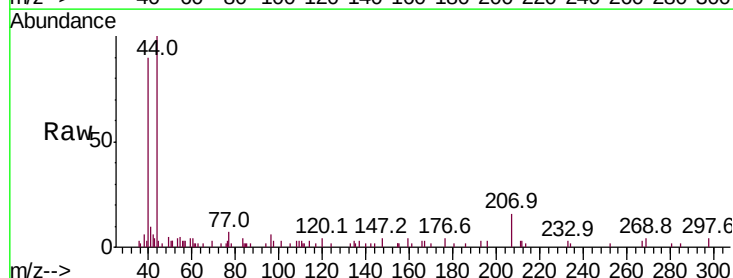
Acq: 31 May 2019 17:14

Tgt Ion:105 Resp: 216

Ion Ratio Lower Upper

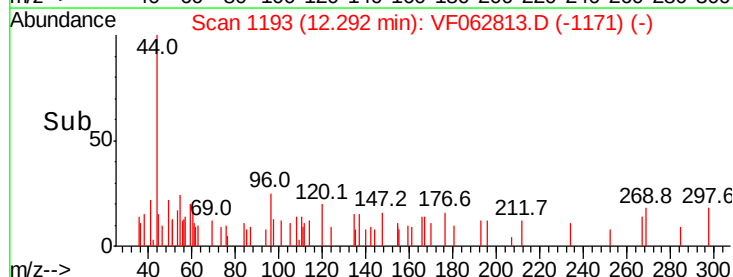
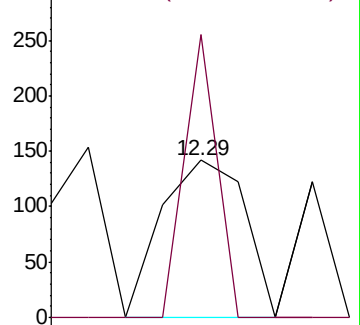
105 100

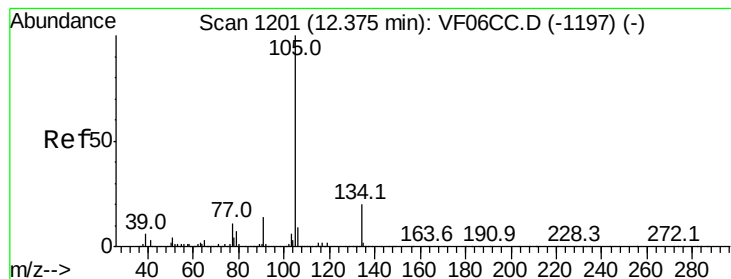
120 179.6 27.1 81.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 68.871 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

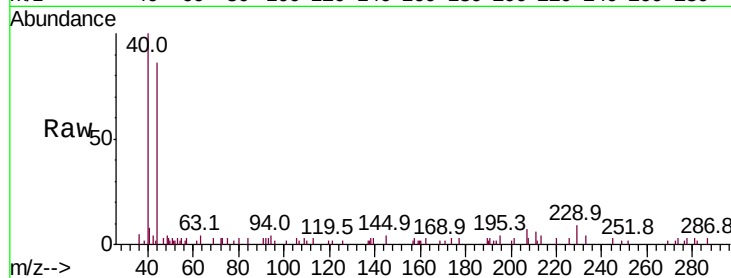
0422-HR-2(HACKENSACK)

Tot Ion:105 Resp: 313

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250

200

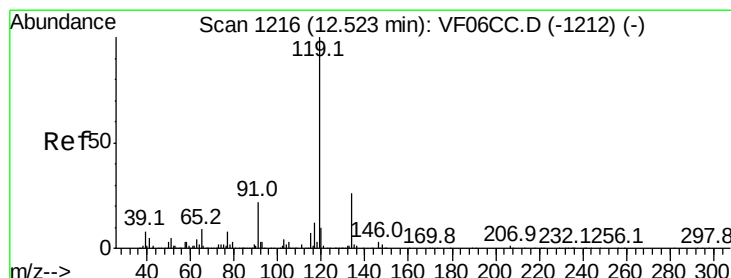
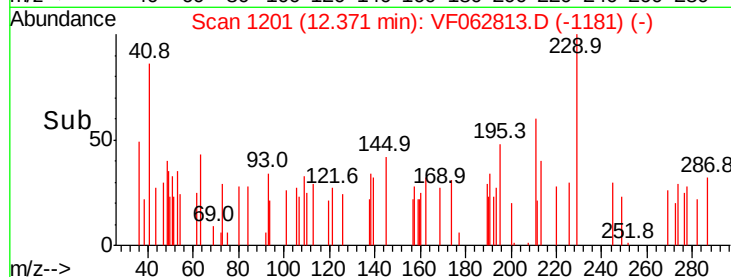
150

100

50

0

Time--> 12.30 12.35 12.40



#86

p-Isopropyltoluene

Concen: 19.298 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

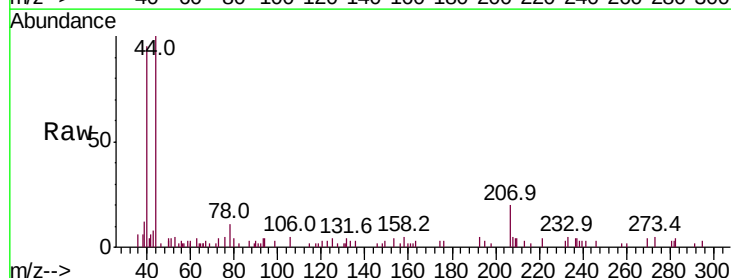
Tgt Ion:119 Resp: 73

Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

91 86.3 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): V

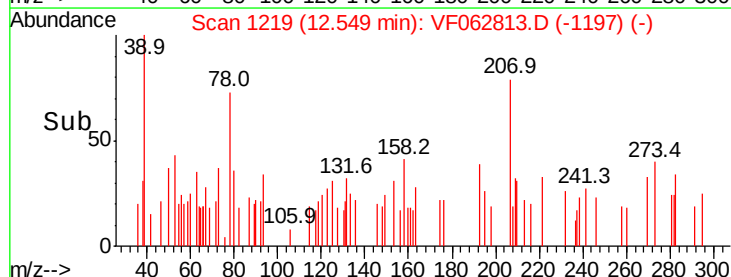
600

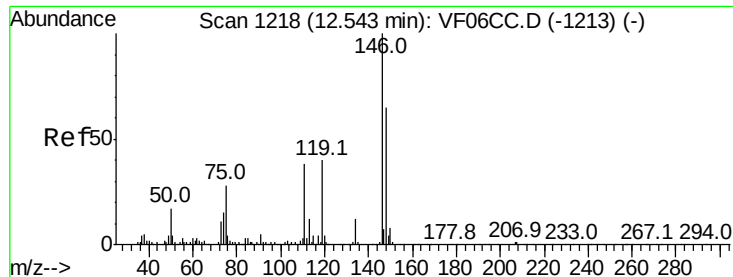
400

200

0

Time--> 12.52 12.54 12.56





#87

1,3-Dichlorobenzene

Concen: 55.141 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

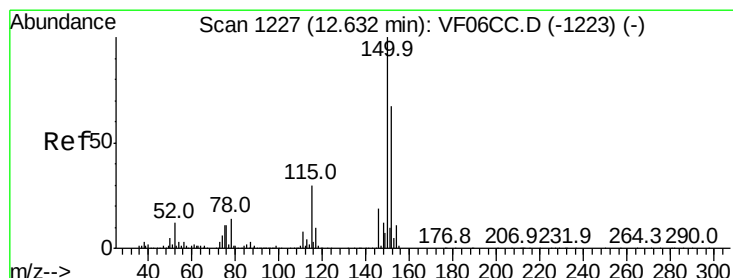
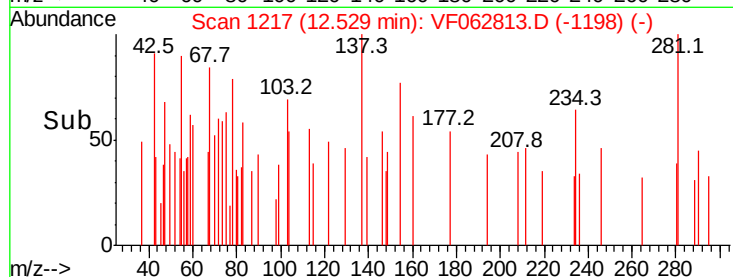
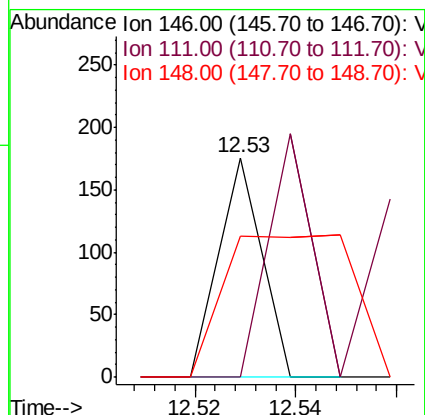
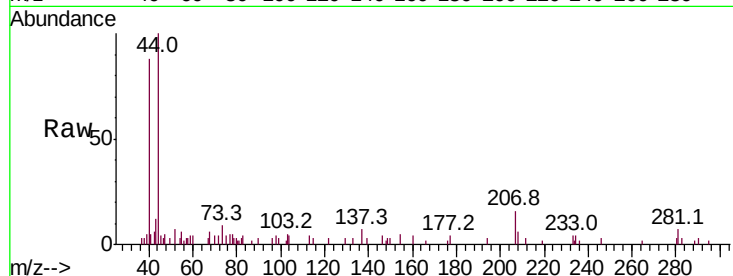
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion:146 Resp: 104

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.8#
148	64.2	34.2	102.5



#88

1,4-Dichlorobenzene

Concen: 39.201 ug/l

RT: 12.65 min Scan# 1229

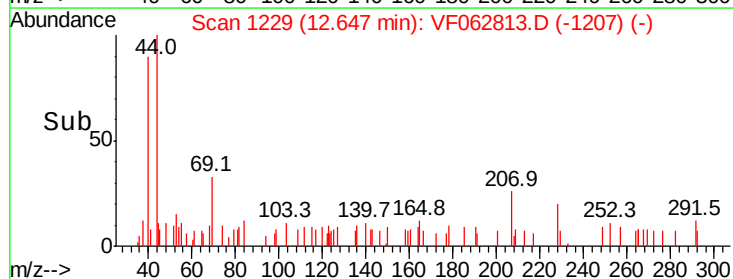
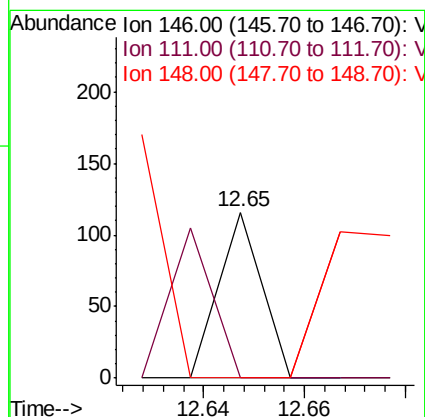
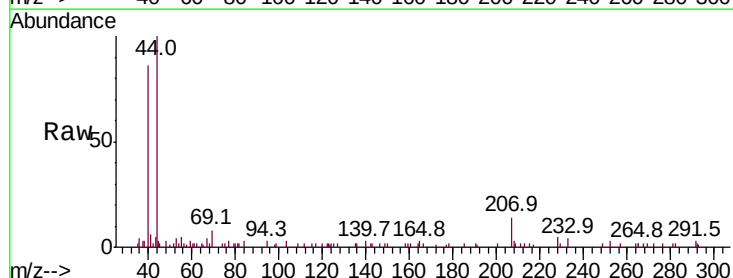
Delta R.T. 0.01 min

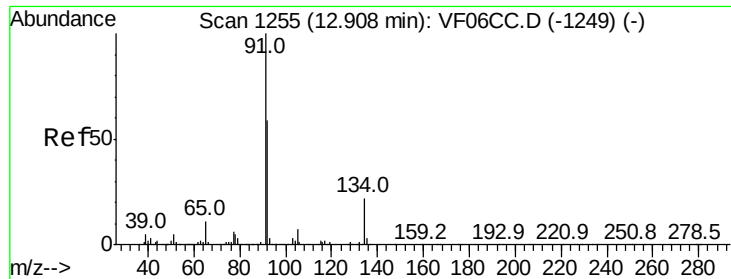
Lab File: VF062813.D

Acq: 31 May 2019 17:14

Tgt Ion:146 Resp: 69

Ion	Ratio	Lower	Upper
146	100		
111	129.3	20.3	60.9#
148	0.0	34.0	101.8#

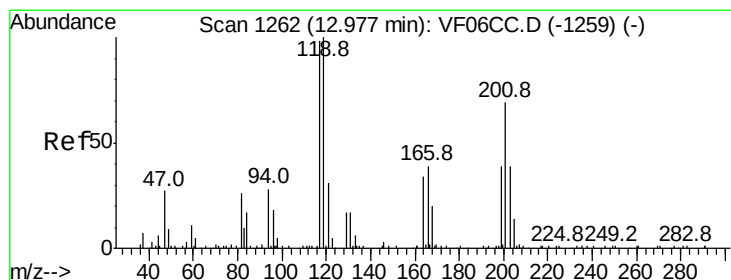
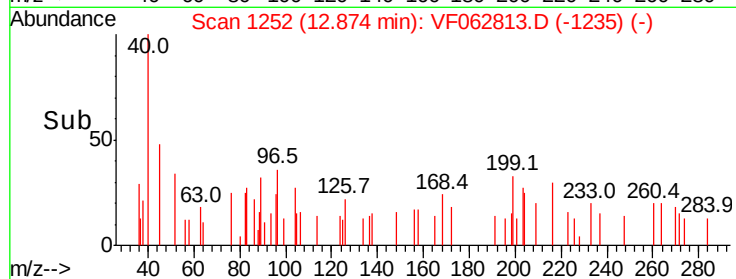
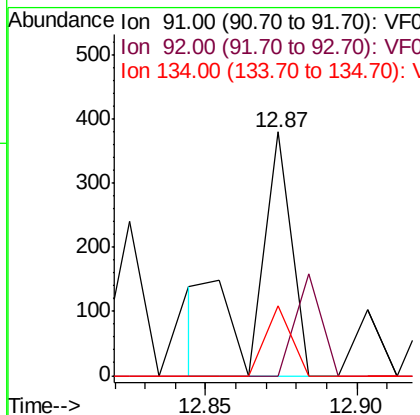
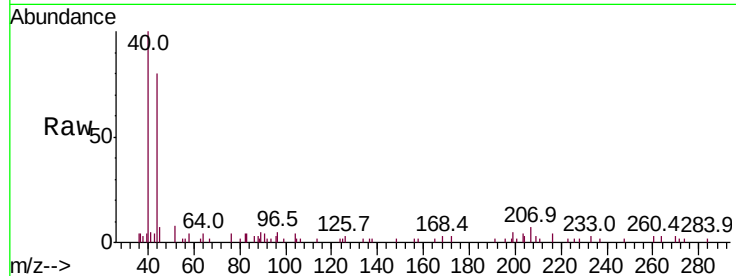




#89
n-Butylbenzene
Concen: 81.992 ug/l
RT: 12.87 min Scan# 1252
Delta R.T. -0.04 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

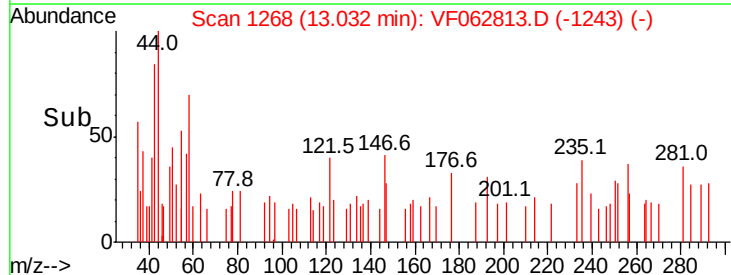
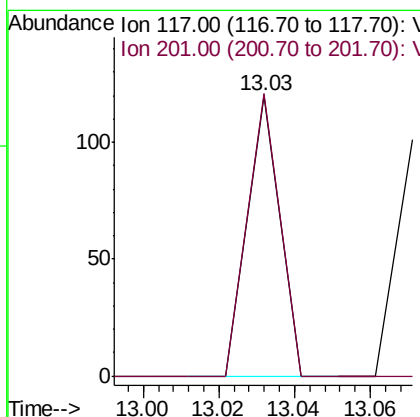
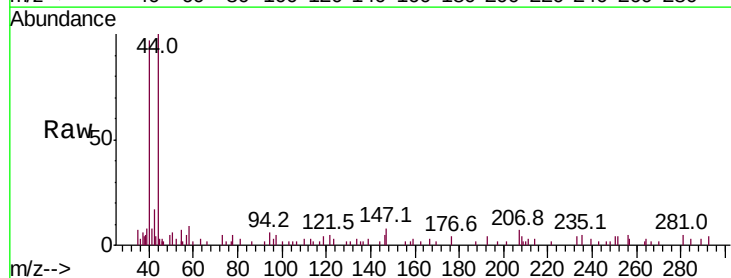
Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

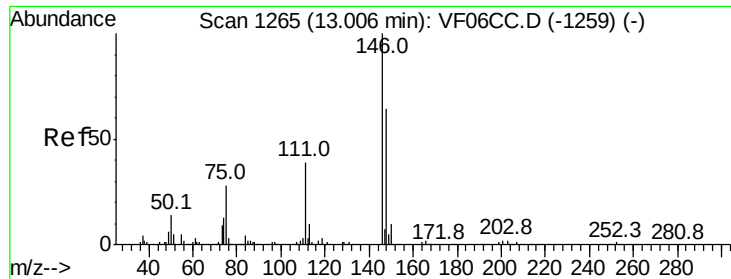
Tot Ion: 91 Resp: 312
Ion Ratio Lower Upper
91 100
92 0.0 34.2 102.6#
134 28.5 15.8 47.3



#90
Hexachloroethane
Concen: 76.954 ug/l
RT: 13.03 min Scan# 1268
Delta R.T. 0.04 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion: 117 Resp: 71
Ion Ratio Lower Upper
117 100
201 100.8 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 95.309 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

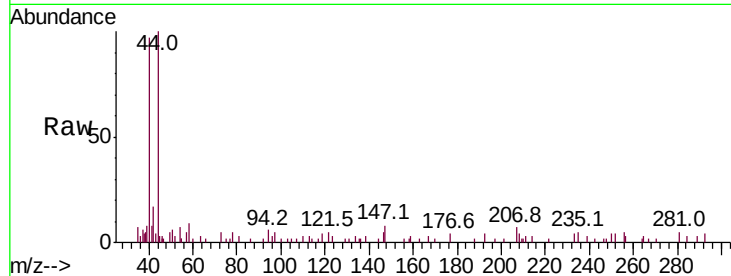
Tot Ion:146 Resp: 158

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

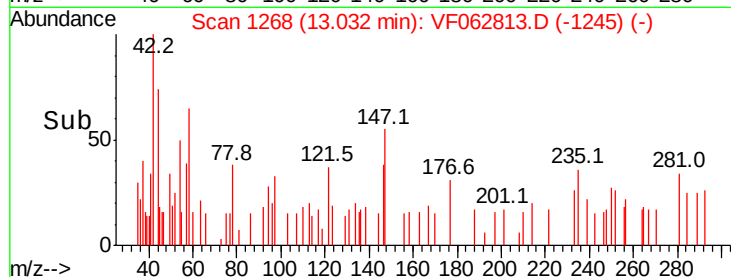
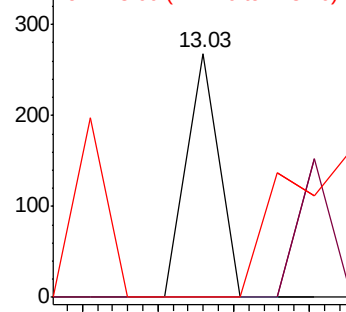
148 0.0 34.1 102.3#



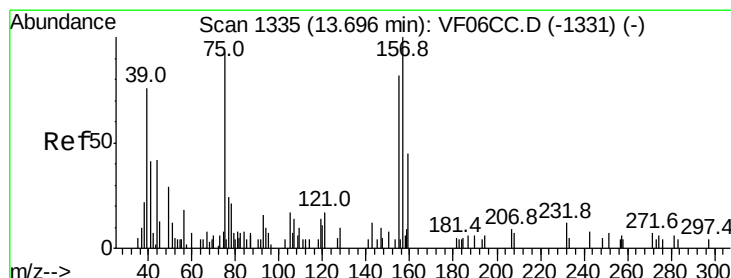
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 4170.576 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

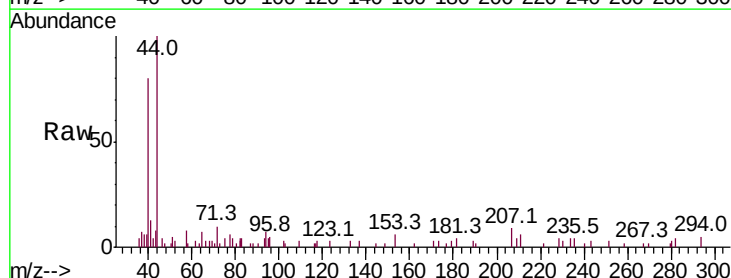
Tgt Ion: 75 Resp: 413

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

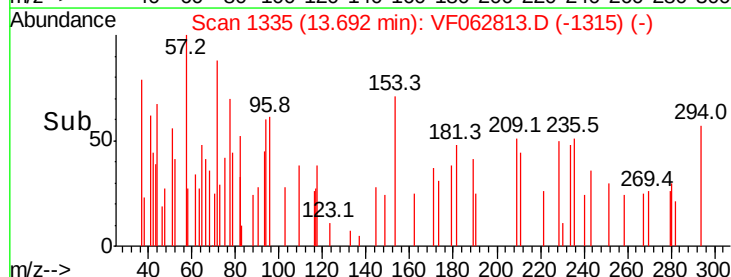
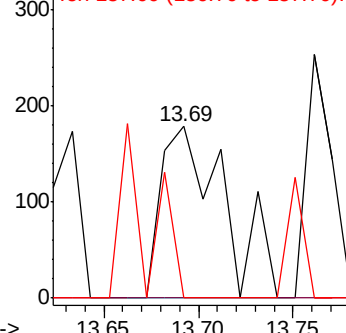
157 0.0 66.8 200.6#



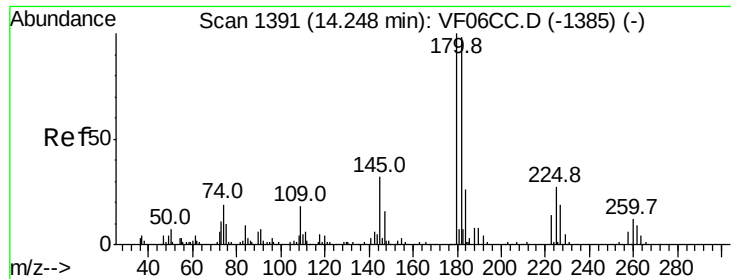
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 55.349 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

0422-HR-2(HACKENSACK)

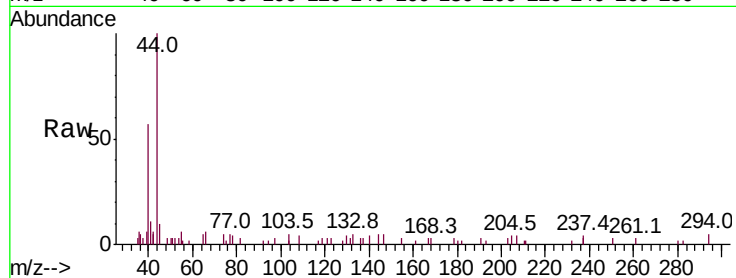
Tot Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 100.9 50.3 150.9

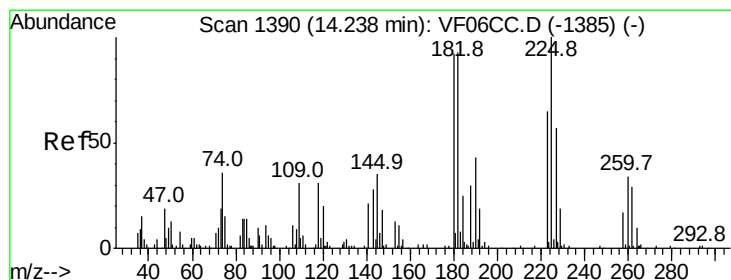
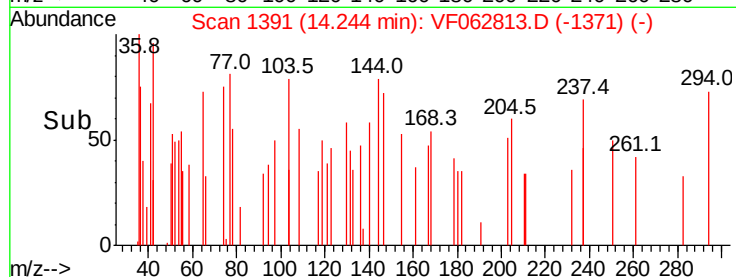
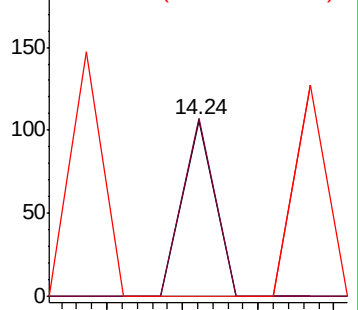
145 0.0 15.4 46.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 184.141 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VF062813.D

Acq: 31 May 2019 17:14

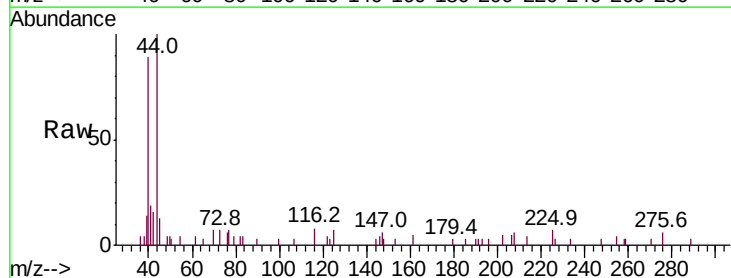
Tgt Ion:225 Resp: 145

Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

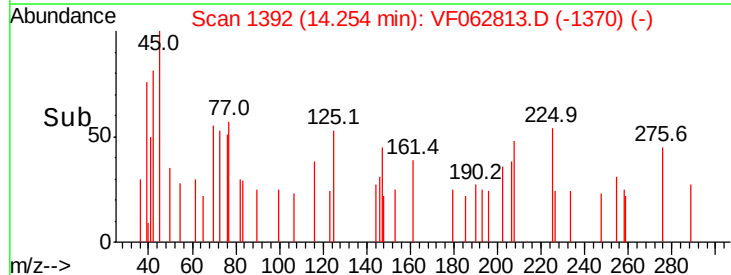
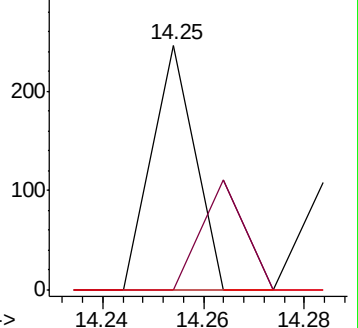
227 0.0 31.9 95.5#

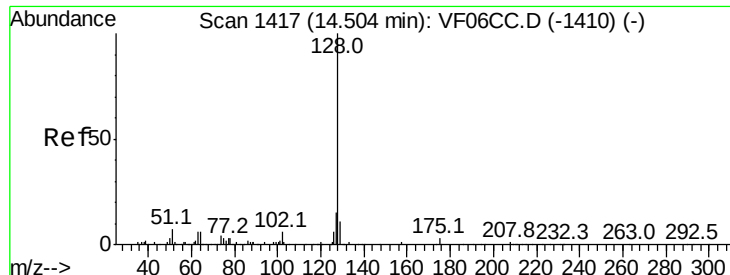


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

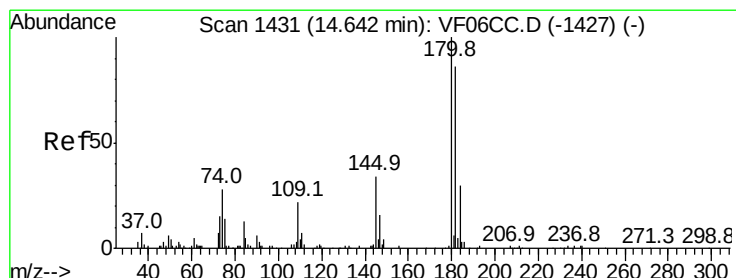
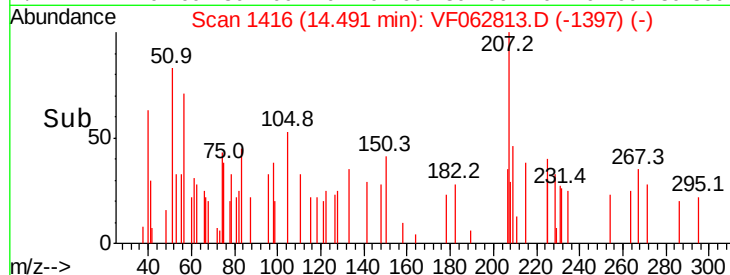
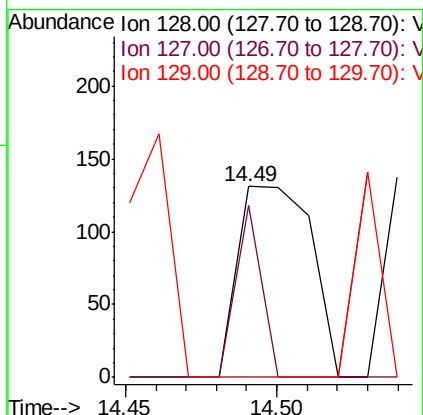
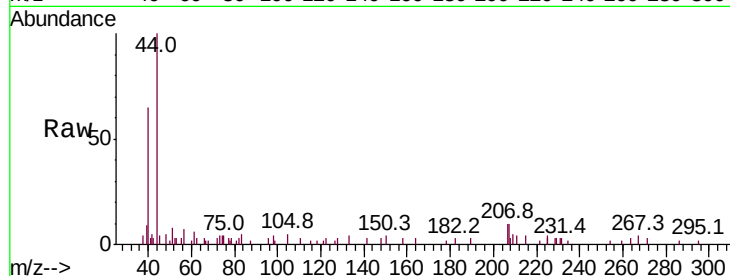




#95
Naphthalene
Concen: 117.977 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
0422-HR-2(HACKENSACK)

Tot Ion:128 Resp: 220
Ion Ratio Lower Upper
128 100
127 90.1 9.7 14.5#
129 0.0 9.4 14.2#



#96
1,2,3-Trichlorobenzene
Concen: 331.083 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VF062813.D
Acq: 31 May 2019 17:14

Tgt Ion:180 Resp: 344
Ion Ratio Lower Upper
180 100
182 0.0 48.6 145.9#
145 0.0 15.7 47.0#

