

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062745.D
 Acq On : 24 May 2019 14:14
 Operator : FY/SY
 Sample : K2643-11
 Misc : 6.82g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-B

Quant Time: May 24 23:04:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	106332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	123131	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	59273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	12154	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	9721	12.94	ug/l	0.01
Spiked Amount			Recovery	=	25.88%	
35) Dibromofluoromethane	4.32	113	25885	27.47	ug/l	0.00
Spiked Amount			Recovery	=	54.94%	
50) Toluene-d8	7.72	98	85396	37.96	ug/l	0.00
Spiked Amount			Recovery	=	75.92%	
62) 4-Bromofluorobenzene	11.50	95	14378	16.85	ug/l	0.00
Spiked Amount			Recovery	=	33.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.22	62	1228	1.001	ug/l #	87
6) Chloroethane	1.28	64	573	1.272	ug/l	91
8) Diethyl Ether	1.71	74	473	1.450	ug/l	88
11) Tert butyl alcohol	2.69	59	435	8.769	ug/l #	1
13) Acrolein	2.11	56	1348	26.032	ug/l #	60
15) Acrylonitrile	3.08	53	1017	7.268	ug/l #	37
16) Acetone	2.35	43	2494	12.794	ug/l	100
18) Methyl Acetate	2.46	43	630	2.057	ug/l #	52
21) trans-1,2-Dichloroethene	2.42	96	938	1.005	ug/l #	27
25) 2-Butanone	4.54	43	716	1.719	ug/l #	14
29) Tetrahydrofuran	4.28	42	379	2.249	ug/l #	1
37) Ethyl Acetate	4.33	43	725	1.407	ug/l #	5
43) Isopropyl Acetate	7.11	43	1937	2.902	ug/l #	70
48) Methyl methacrylate	6.87	41	941	2.697	ug/l #	93
49) 1,4-Dioxane	6.88	88	350	78.336	ug/l #	54
51) 4-Methyl-2-Pentanone	8.41	43	7247	15.886	ug/l #	59
56) Ethyl methacrylate	8.76	69	3064	4.818	ug/l #	81
59) 2-Hexanone	9.63	43	2574	Below Cal		92
66) 1,1,1,2-Tetrachloroethane	10.10	131	502	1.074	ug/l #	40
67) Ethyl Benzene	10.04	91	2980	1.473	ug/l	99
68) m/p-Xylenes	10.26	106	2199	2.893	ug/l	97
69) o-Xylene	10.82	106	1210	1.545	ug/l	70
70) Styrene	10.89	104	3804	3.197	ug/l	90
74) N-amyl acetate	11.47	43	2279	5.477	ug/l #	51
76) 1,2,3-Trichloropropane	11.88	75	614	5.249	ug/l	78
77) Bromobenzene	11.58	156	589	2.720	ug/l	70
78) n-propylbenzene	11.67	91	3315	3.216	ug/l	89
79) 2-Chlorotoluene	11.79	91	1366	2.351	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	1017	1.456	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	321	6.174	ug/l #	42
82) 4-Chlorotoluene	11.98	91	1914	3.341	ug/l	89
83) tert-Butylbenzene	12.20	119	1100	1.552	ug/l #	82
84) 1,2,4-Trimethylbenzene	12.27	105	3227	4.773	ug/l	95
85) sec-Butylbenzene	12.36	105	2211	2.325	ug/l #	54

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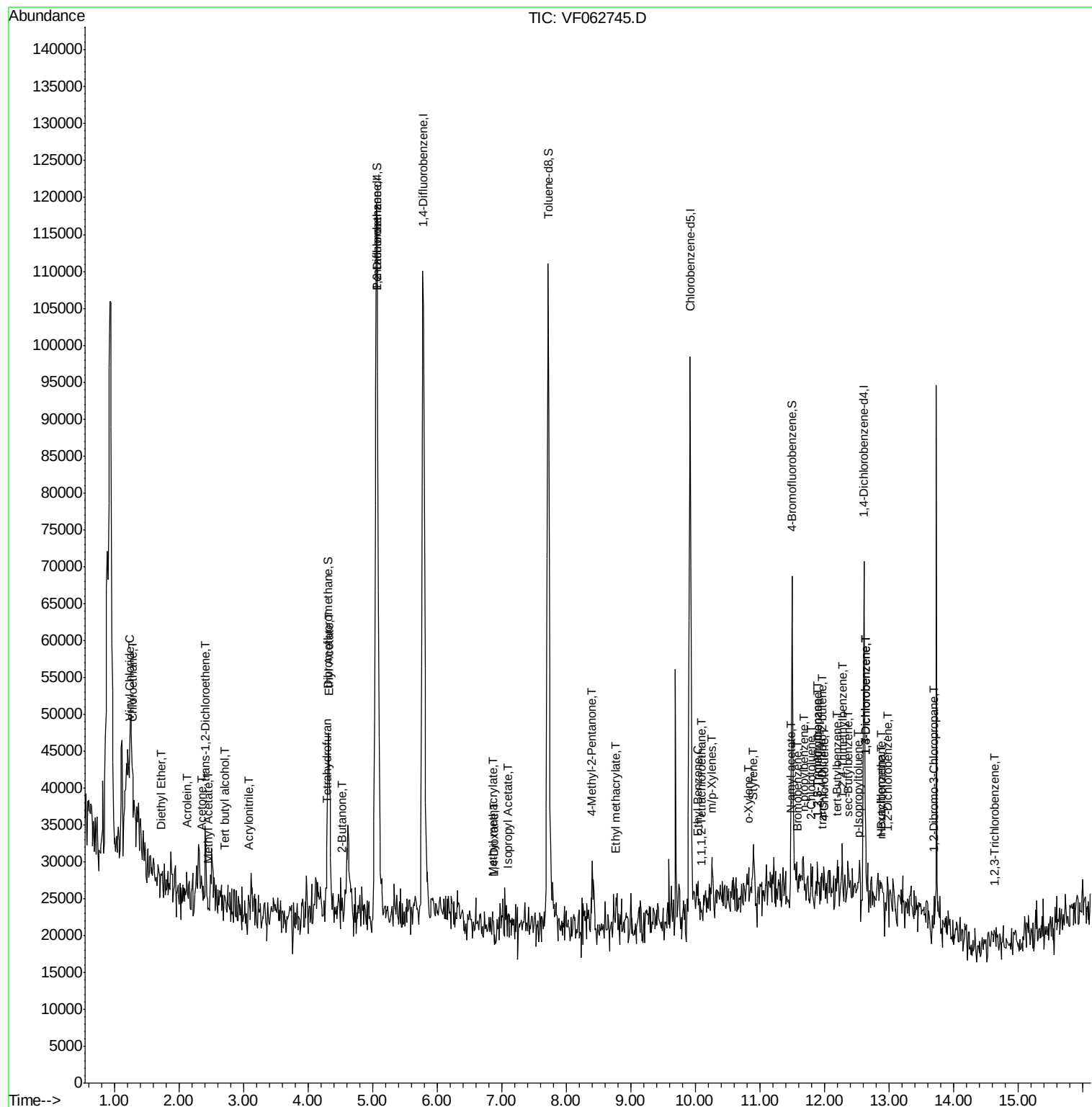
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.52	119	1573	1.963	ug/l	93
87) 1,3-Dichlorobenzene	12.64	146	1202	3.068	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	1202	3.270	ug/l	93
89) n-Butylbenzene	12.90	91	985	1.246	ug/l	79
90) Hexachloroethane	12.88	117	279	1.451	ug/l	93
91) 1,2-Dichlorobenzene	12.97	146	586	1.678	ug/l #	41
92) 1,2-Dibromo-3-Chloropropan	13.69	75	135	6.357	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.63	180	370	1.563	ug/l #	11

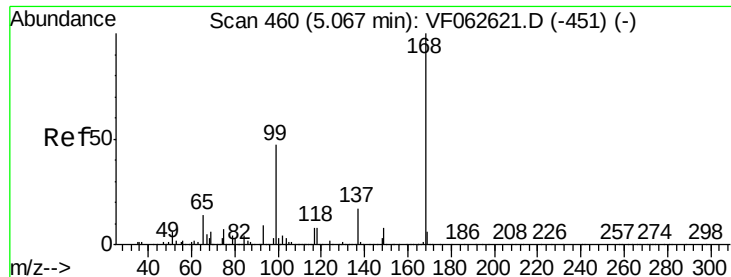
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

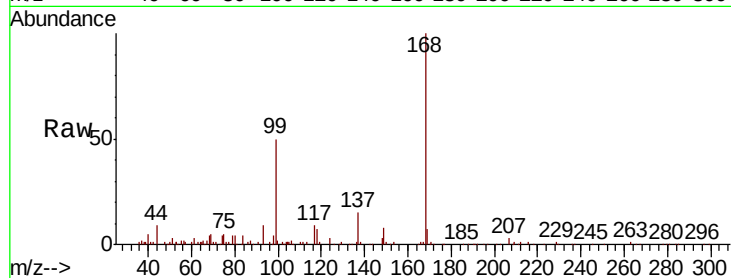
OR-03-052319-B

Tot Ion:168 Resp: 106332

Ion Ratio Lower Upper

168 100

99 50.4 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

40000

30000

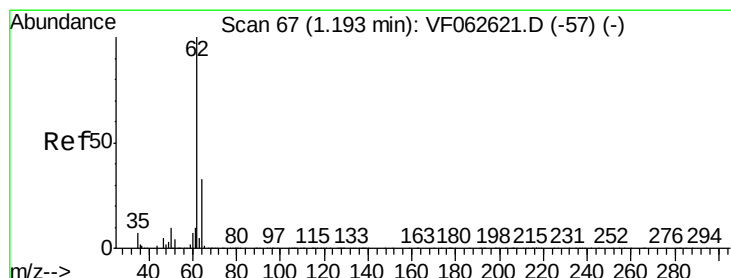
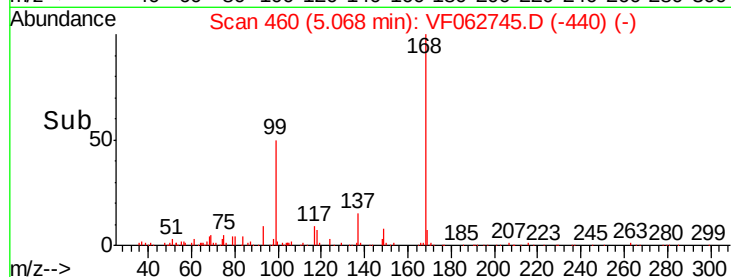
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#4

Vinyl Chloride

Concen: 1.001 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.03 min

Lab File: VF062745.D

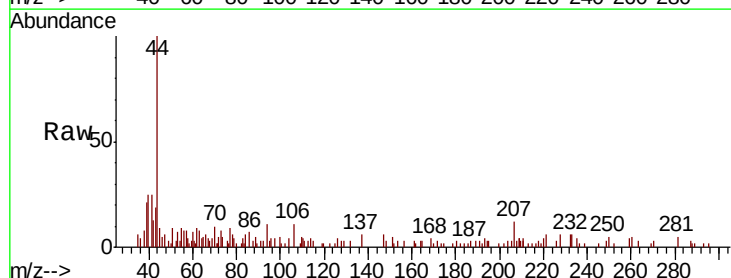
Acq: 24 May 2019 14:14

Tgt Ion: 62 Resp: 1228

Ion Ratio Lower Upper

62 100

64 41.0 26.7 40.1#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

800

600

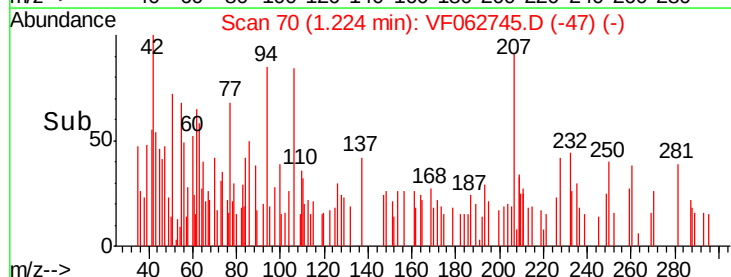
400

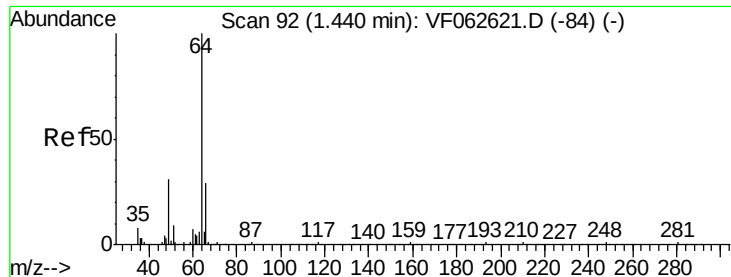
200

0

Time-->

1.15 1.20 1.25





#6

Chloroethane

Concen: 1.272 ug/l

RT: 1.28 min Scan# 76

Delta R.T. -0.16 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

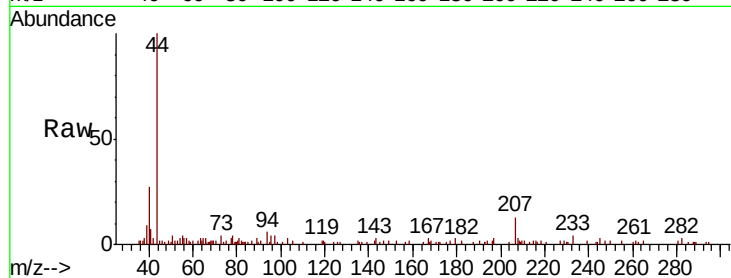
OR-03-052319-B

Tot Ion: 64 Resp: 573

Ion Ratio Lower Upper

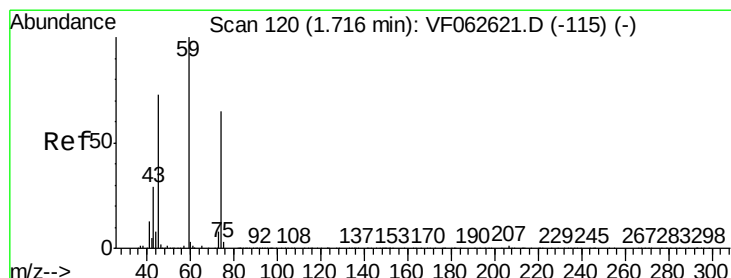
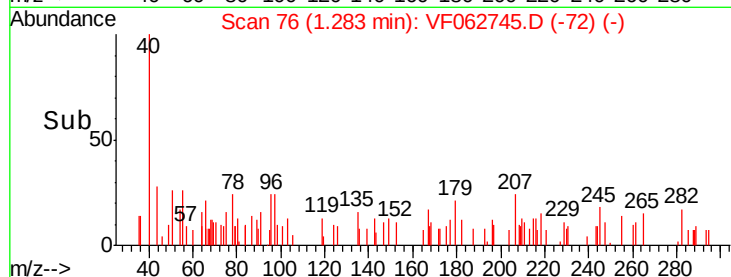
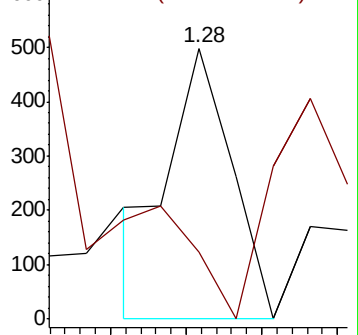
64 100

66 24.7 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 1.450 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062745.D

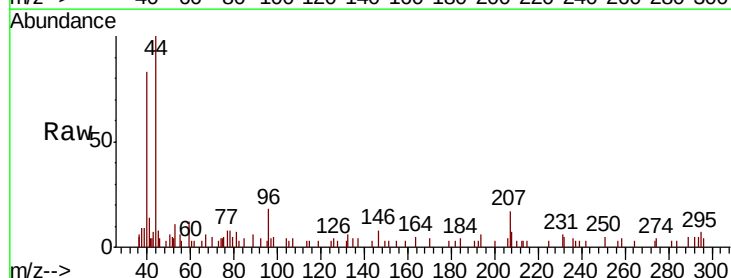
Acq: 24 May 2019 14:14

Tgt Ion: 74 Resp: 473

Ion Ratio Lower Upper

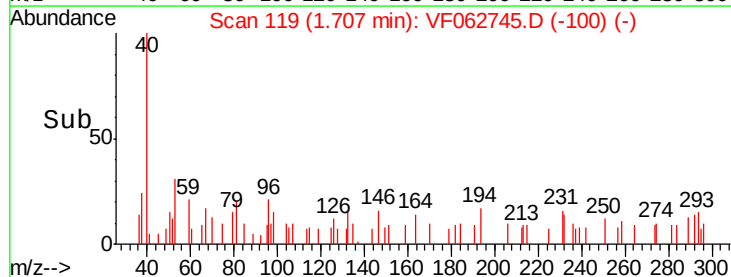
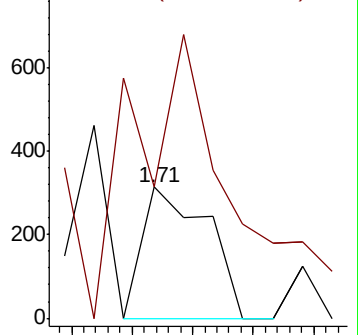
74 100

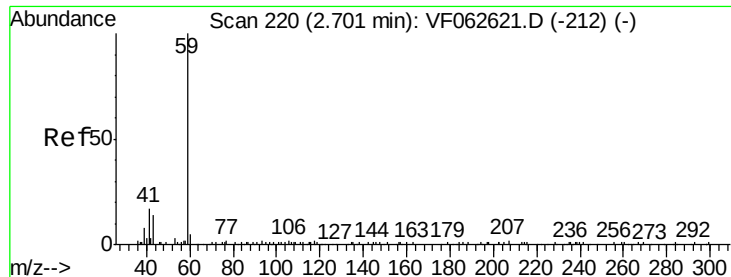
45 100.6 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



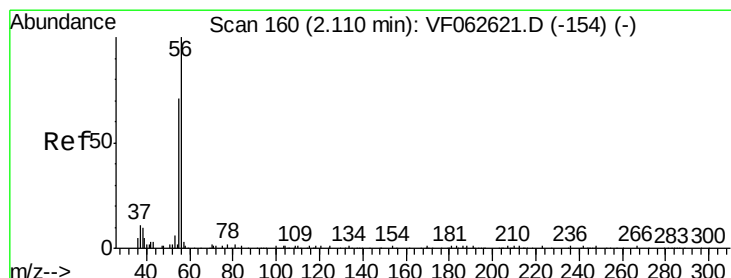
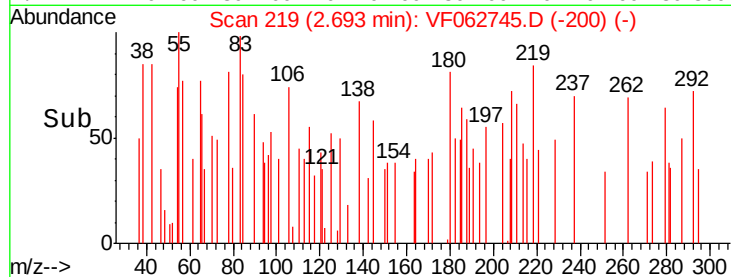
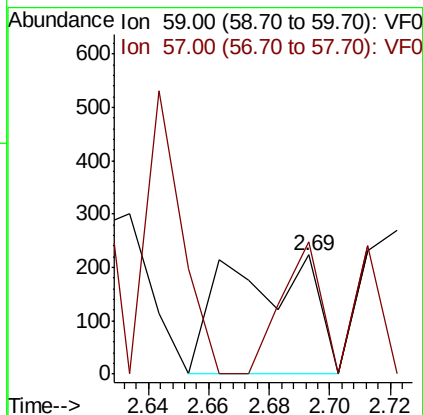
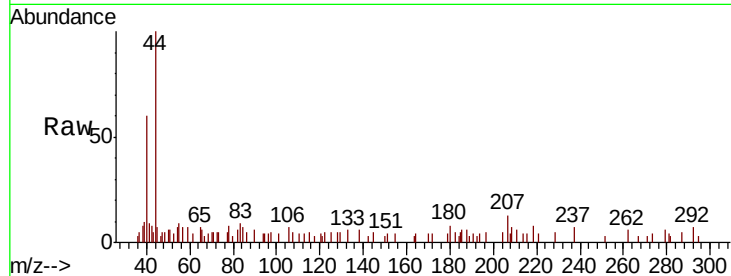


#11

Tert butyl alcohol
 Concen: 8.769 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-B

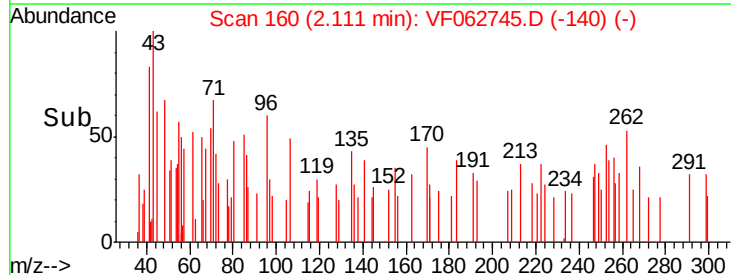
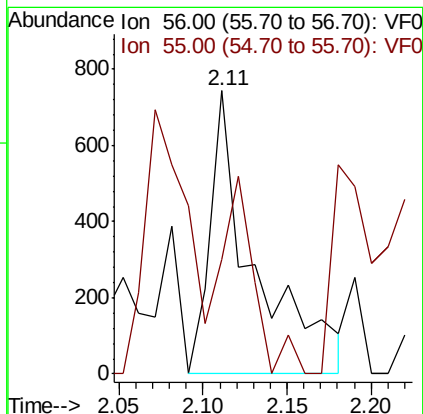
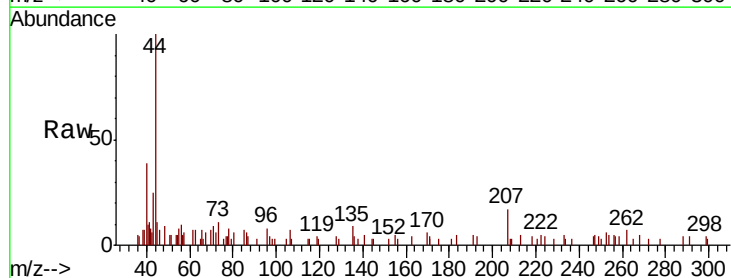
Tot Ion: 59 Resp: 435
 Ion Ratio Lower Upper
 59 100
 57 110.7 9.3 13.9#

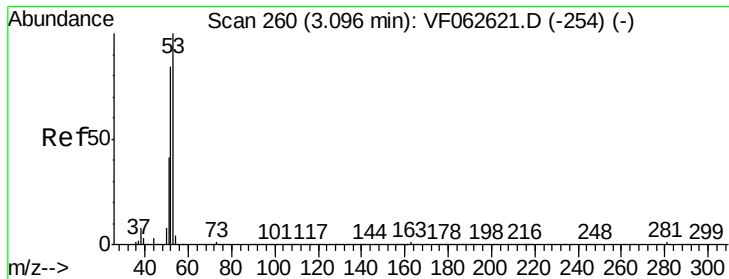


#13

Acrolein
 Concen: 26.032 ug/l
 RT: 2.11 min Scan# 160
 Delta R.T. 0.00 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

Tgt Ion: 56 Resp: 1348
 Ion Ratio Lower Upper
 56 100
 55 40.5 59.4 89.0#





#15

Acrylonitrile

Concen: 7.268 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-B

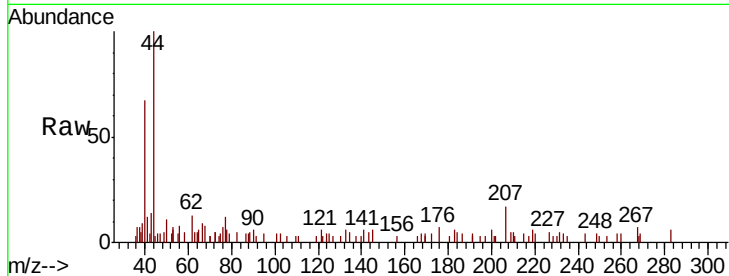
Tot Ion: 53 Resp: 1017

Ion Ratio Lower Upper

53 100

52 28.5 67.3 100.9#

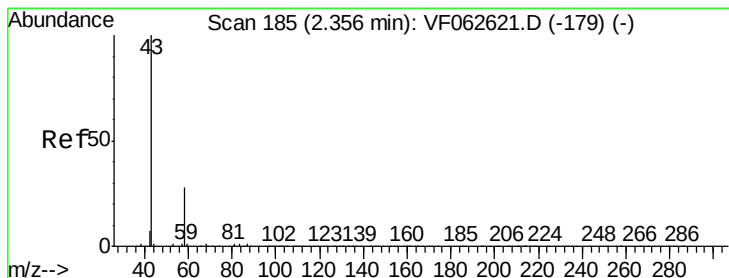
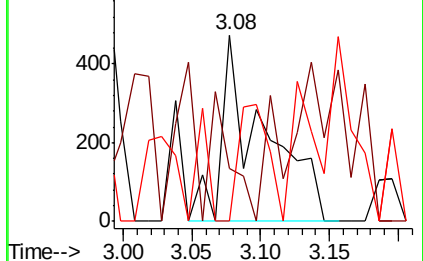
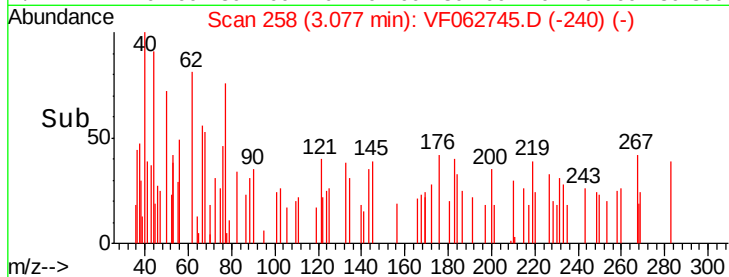
51 0.0 33.0 49.6#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 12.794 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062745.D

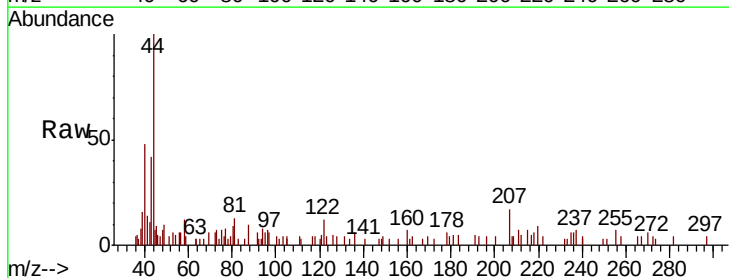
Acq: 24 May 2019 14:14

Tgt Ion: 43 Resp: 2494

Ion Ratio Lower Upper

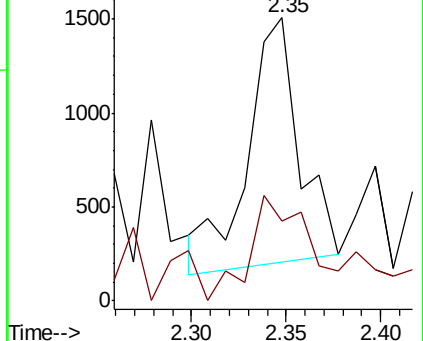
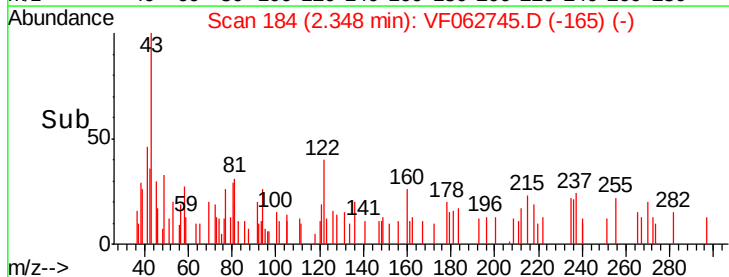
43 100

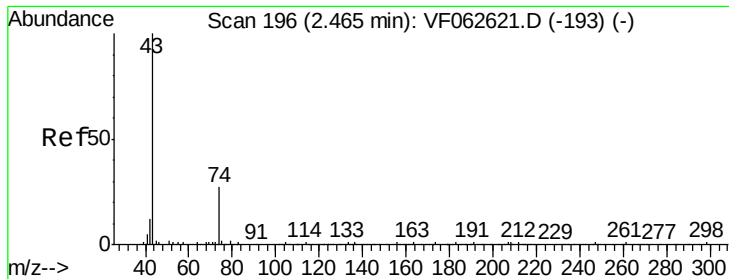
58 28.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

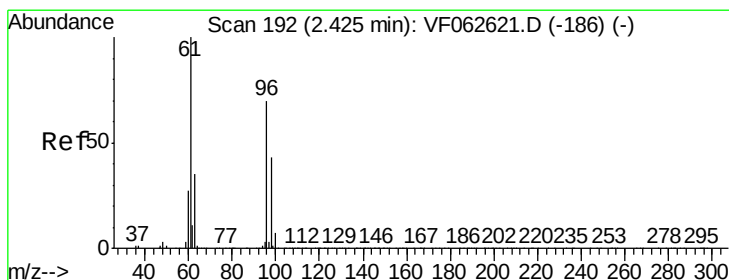
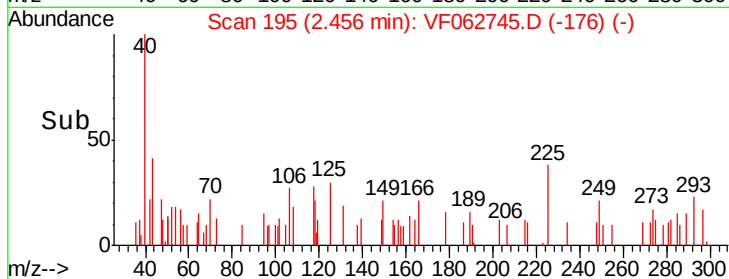
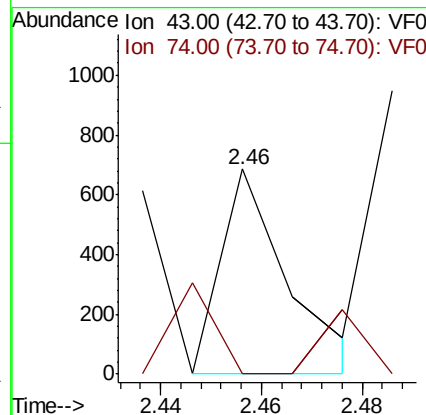
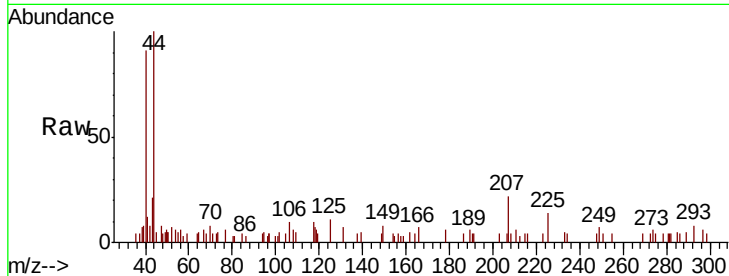




#18
Methyl Acetate
Concen: 2.057 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

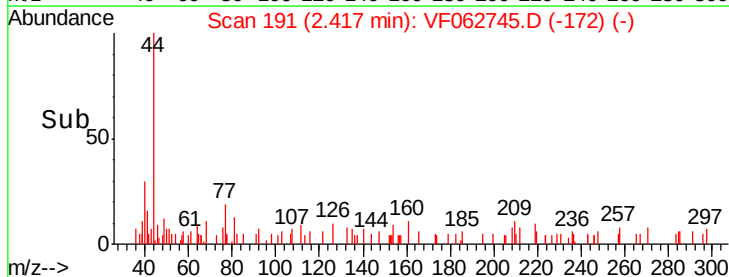
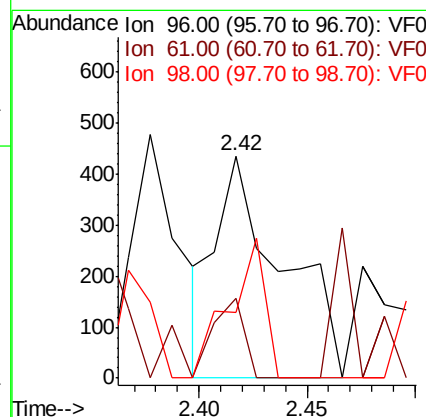
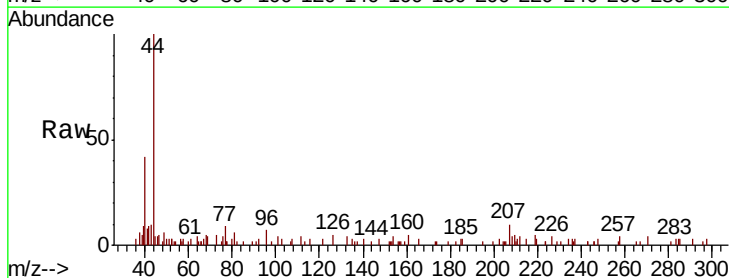
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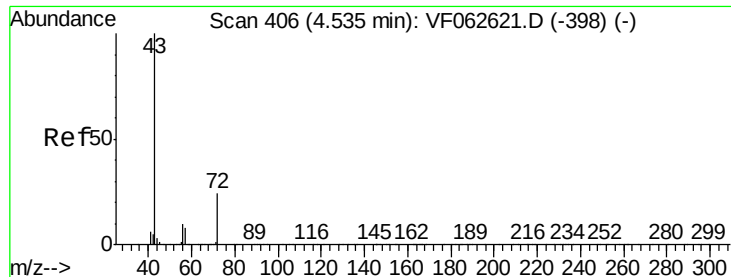
Tot Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#21
trans-1,2-Dichloroethene
Concen: 1.005 ug/l
RT: 2.42 min Scan# 191
Delta R.T. -0.01 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion: 96 Resp: 938
Ion Ratio Lower Upper
96 100
61 36.1 114.6 171.8#
98 29.4 49.5 74.3#





#25

2-Butanone

Concen: 1.719 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

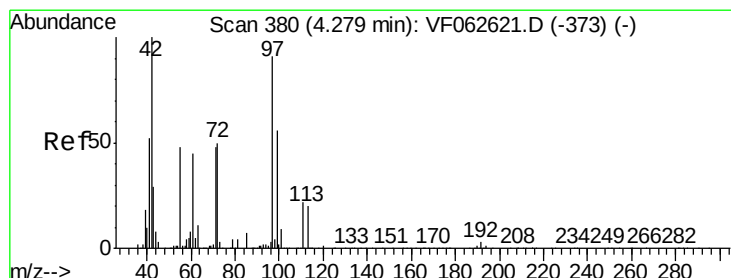
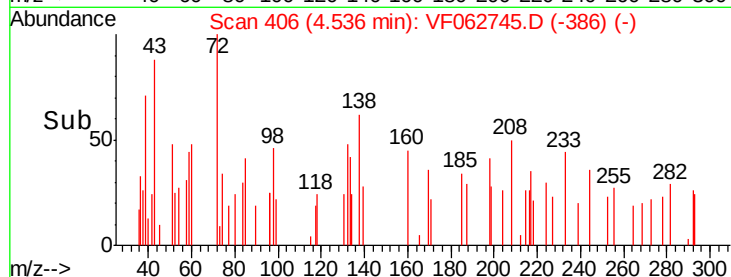
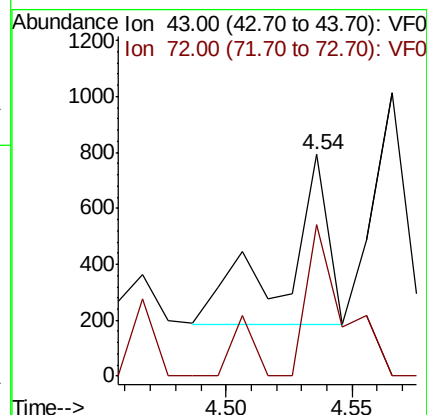
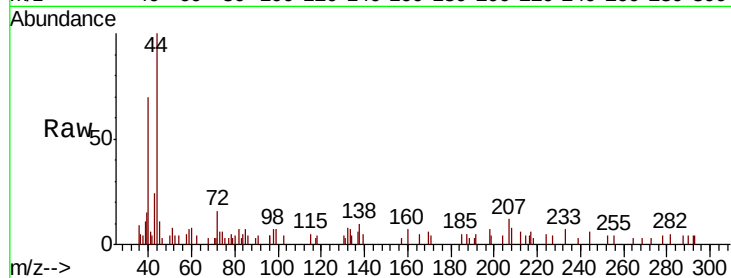
OR-03-052319-B

Tot Ion: 43 Resp: 716

Ion Ratio Lower Upper

43 100

72 68.6 20.1 30.1#



#29

Tetrahydrofuran

Concen: 2.249 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

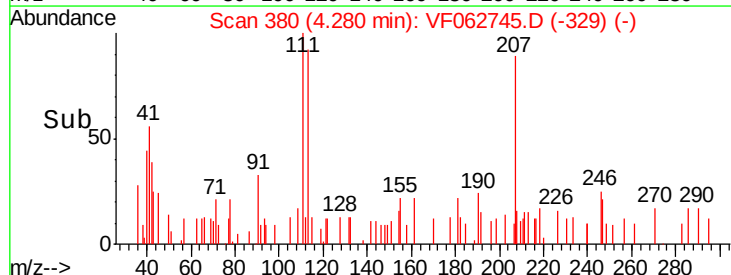
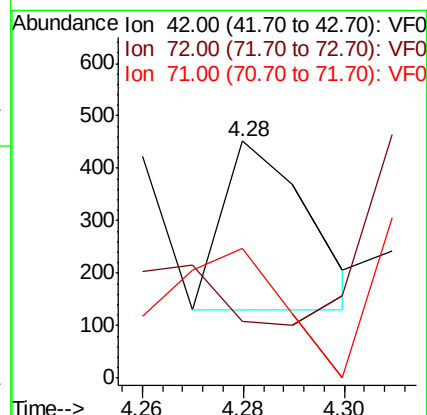
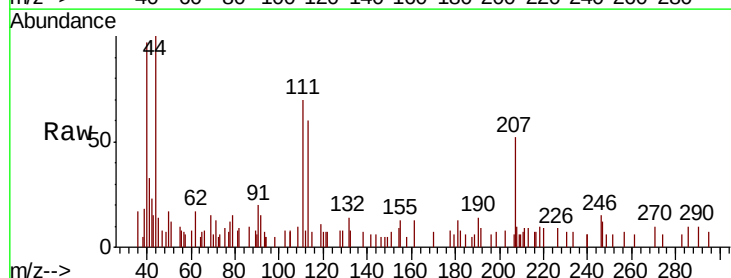
Tgt Ion: 42 Resp: 379

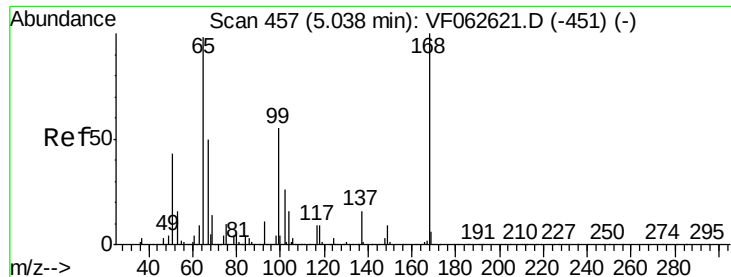
Ion Ratio Lower Upper

42 100

72 97.9 38.2 57.2#

71 129.6 35.8 53.6#

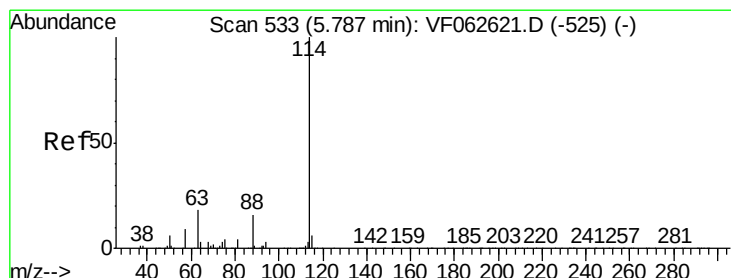
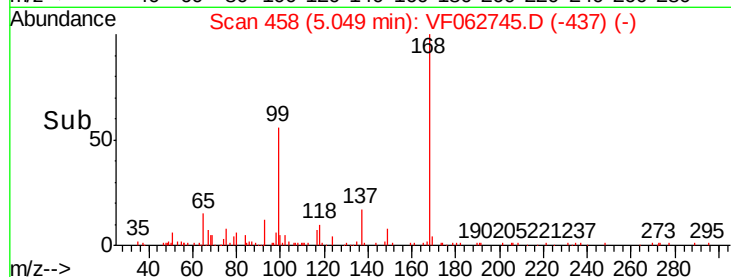
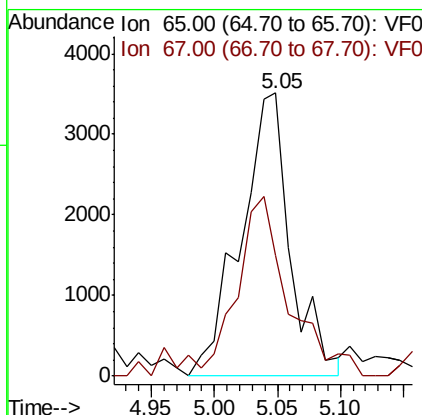
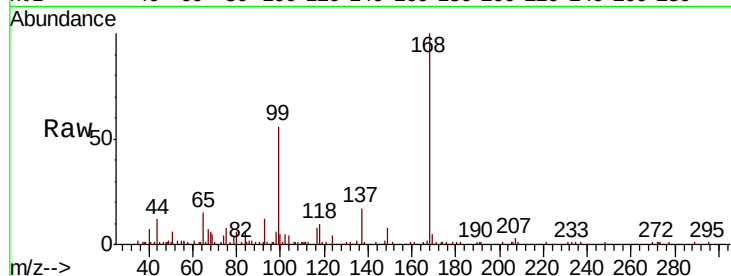




#33
 1,2-Dichloroethane-d4
 Concen: 12.937 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

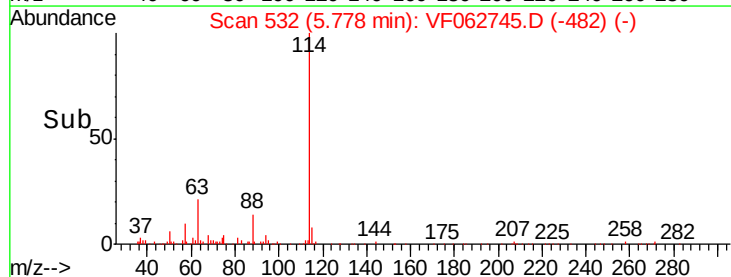
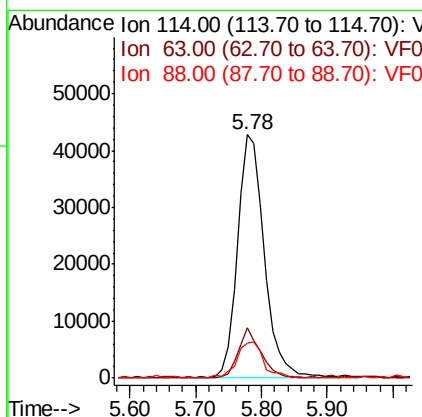
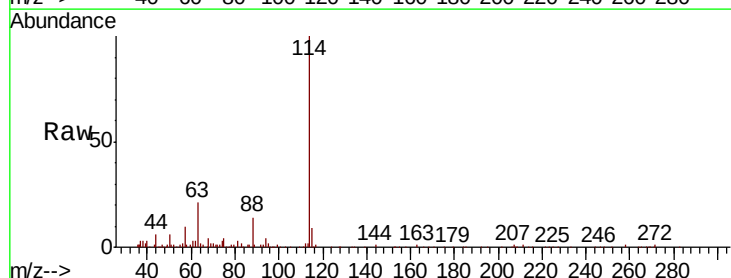
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-B

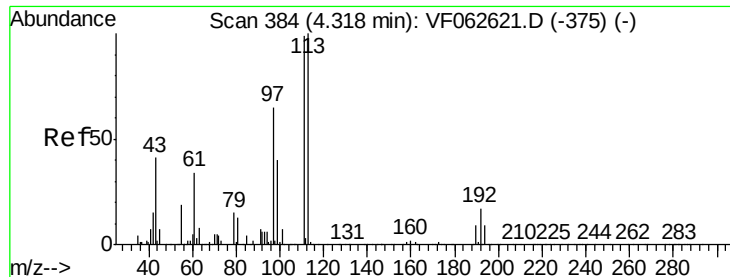
Tot Ion: 65 Resp: 9721
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

Tgt Ion: 114 Resp: 123131
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 35.4
 88 14.4 0.0 32.4

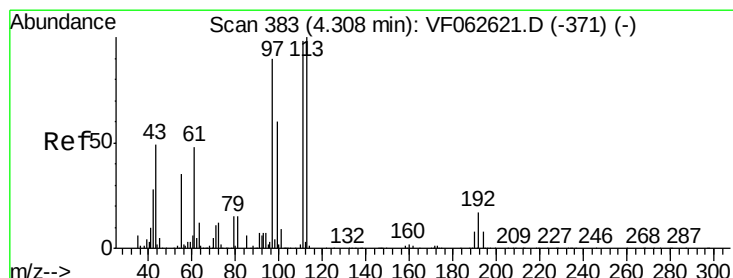
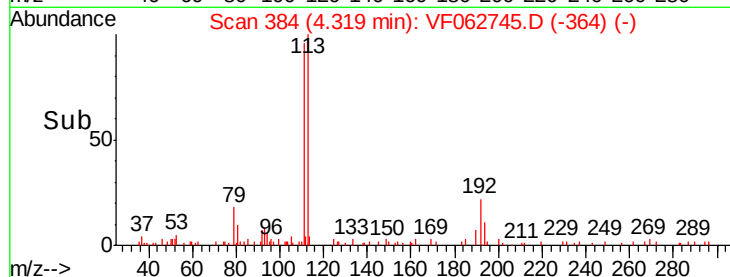
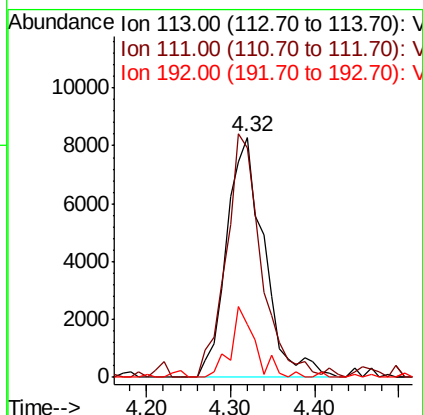
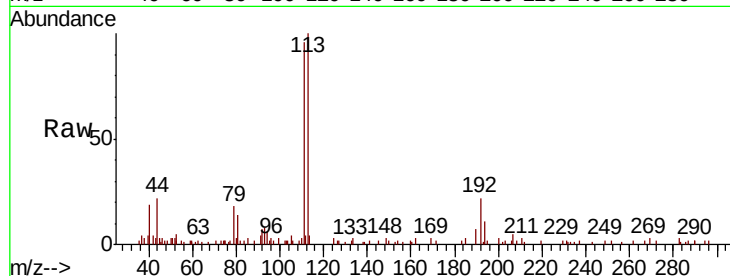




#35
Dibromofluoromethane
Concen: 27.473 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

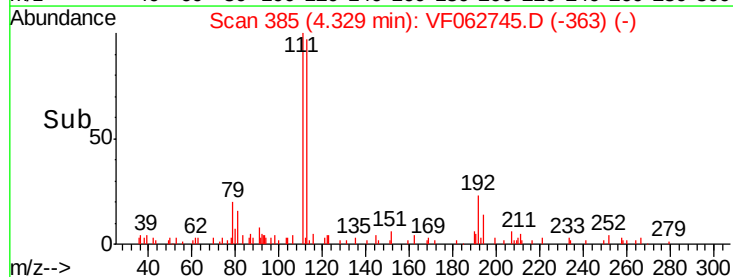
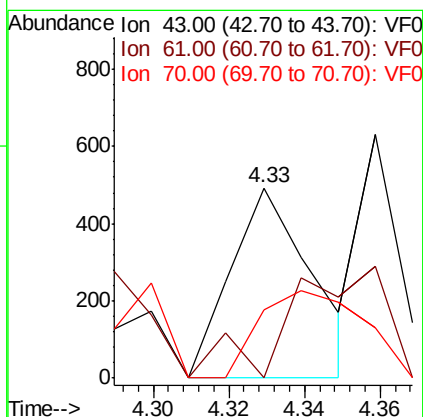
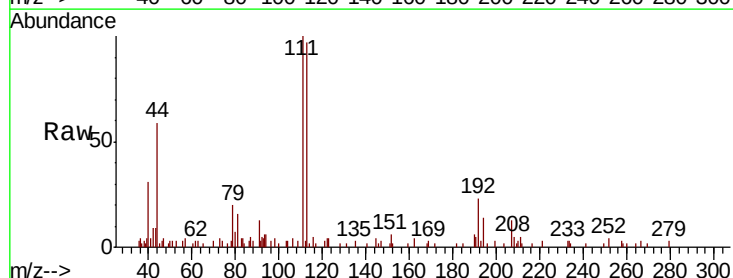
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

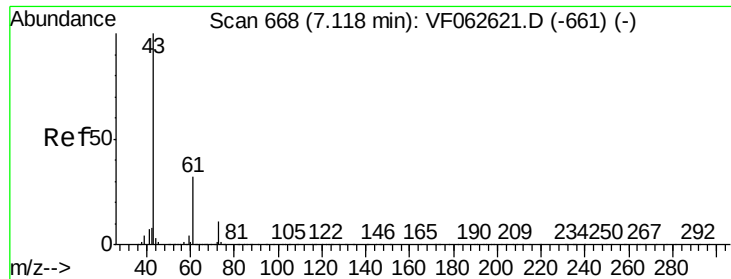
Tot Ion:113 Resp: 25885
Ion Ratio Lower Upper
113 100
111 92.1 79.4 119.2
192 21.1 13.4 20.2#



#37
Ethyl Acetate
Concen: 1.407 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
61 0.0 76.9 115.3#
70 35.9 8.8 13.2#





#43

Isopropyl Acetate

Concen: 2.902 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-B

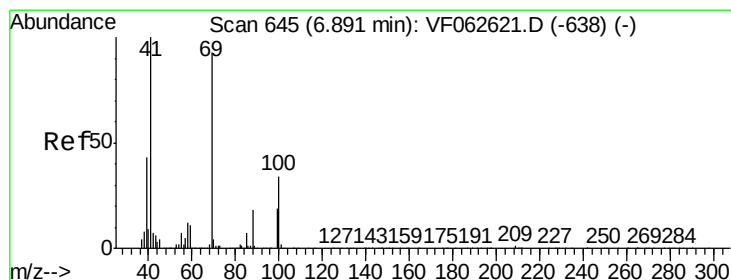
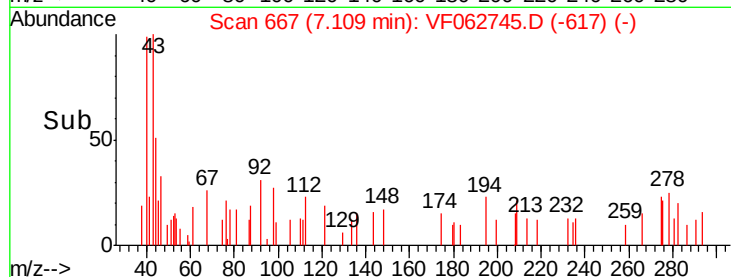
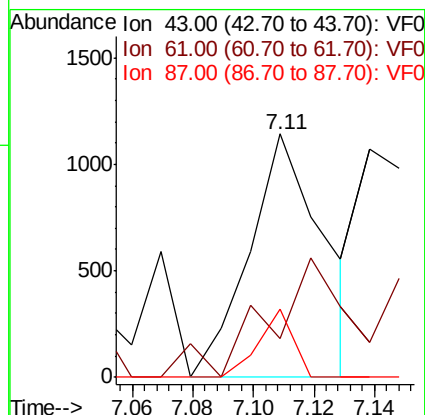
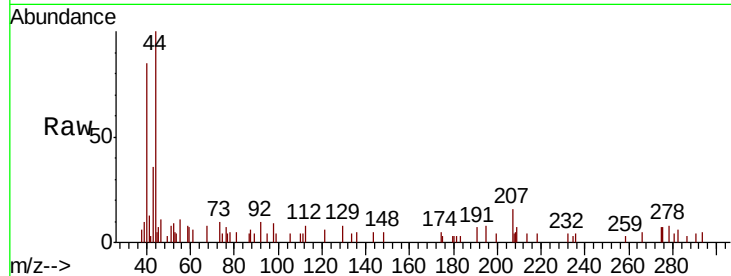
Tot Ion: 43 Resp: 1937

Ion Ratio Lower Upper

43 100

61 15.8 25.8 38.8#

87 27.8 0.4 0.6#



#48

Methyl methacrylate

Concen: 2.697 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

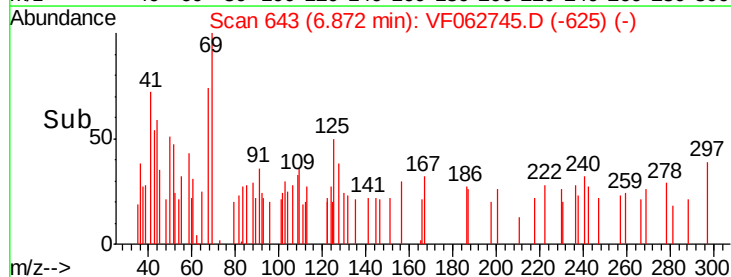
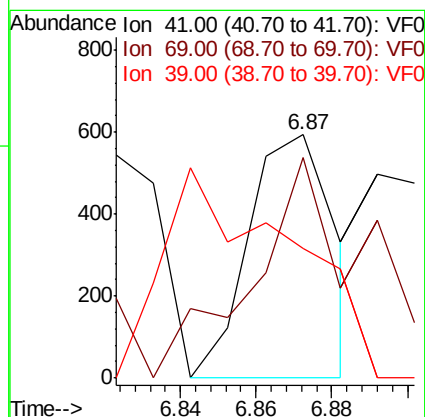
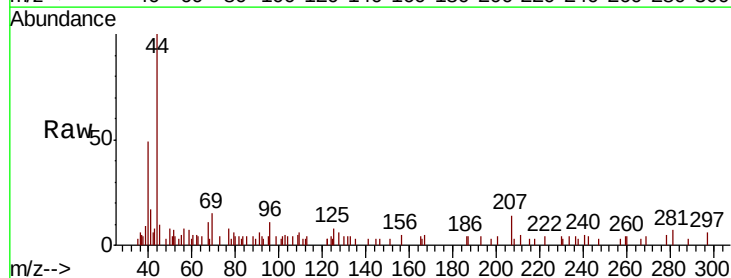
Tgt Ion: 41 Resp: 941

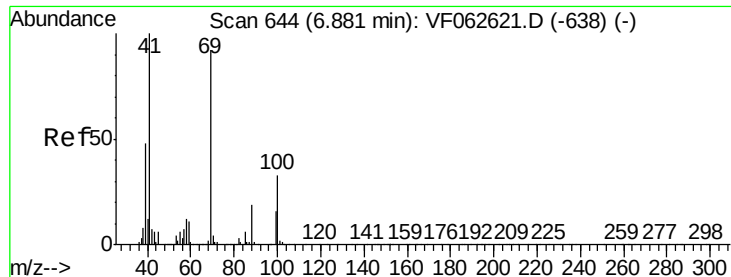
Ion Ratio Lower Upper

41 100

69 90.4 74.2 111.2

39 53.2 34.2 51.4#

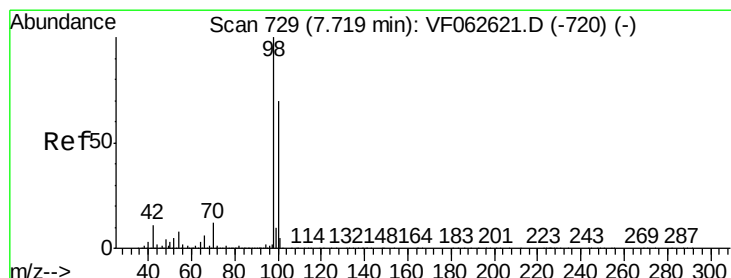
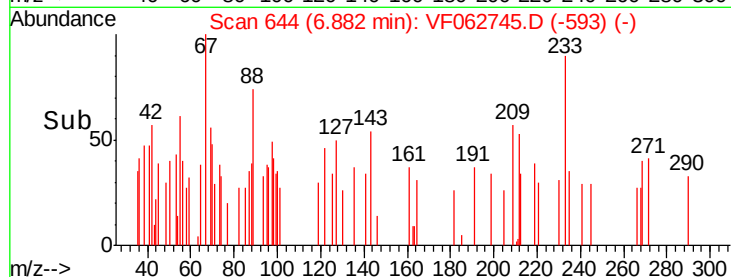
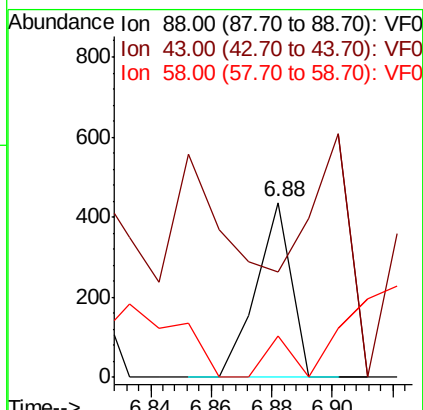
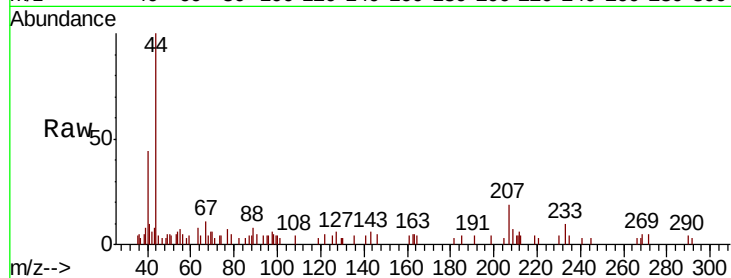




#49
1,4-Dioxane
Concen: 78.336 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

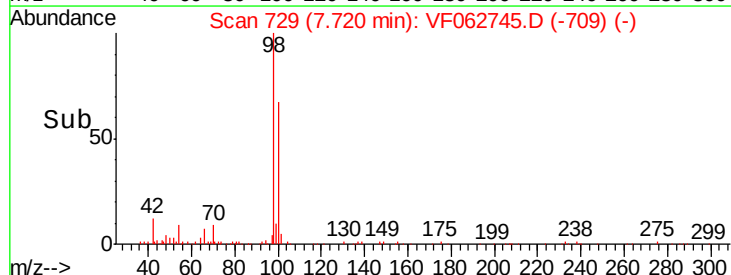
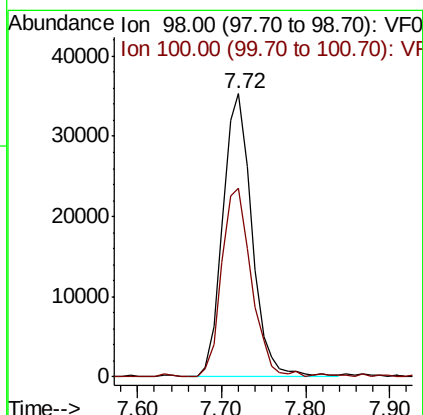
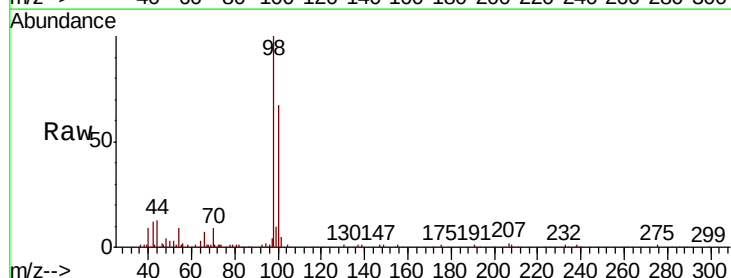
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

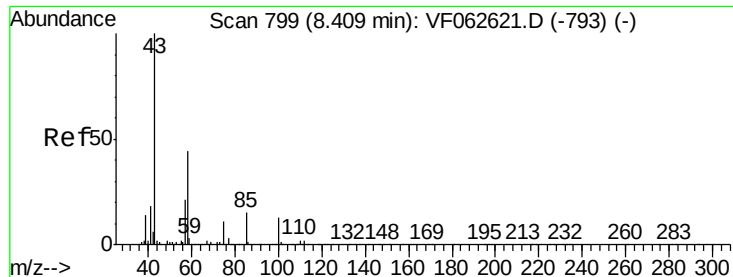
Tot Ion: 88 Resp: 350
Ion Ratio Lower Upper
88 100
43 60.4 30.0 45.0#
58 24.0 51.1 76.7#



#50
Toluene-d8
Concen: 37.960 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion: 98 Resp: 85396
Ion Ratio Lower Upper
98 100
100 66.8 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 15.886 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

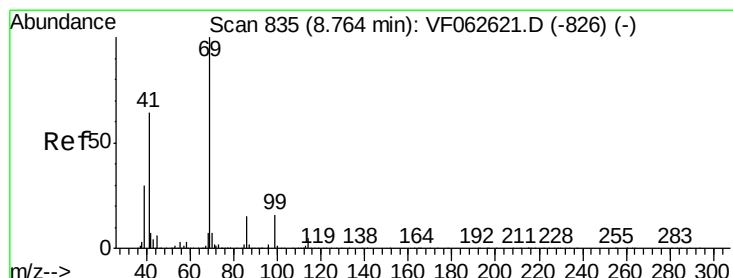
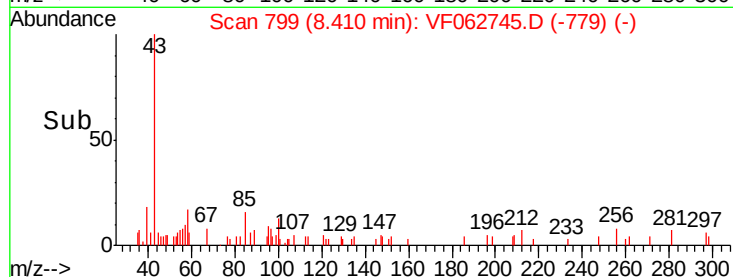
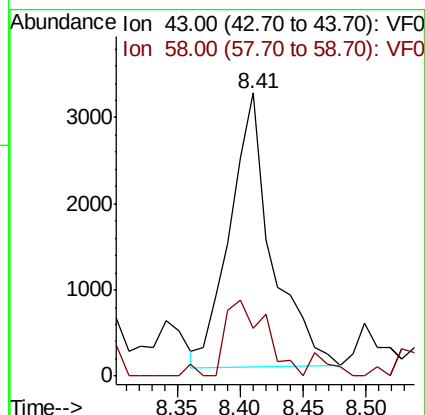
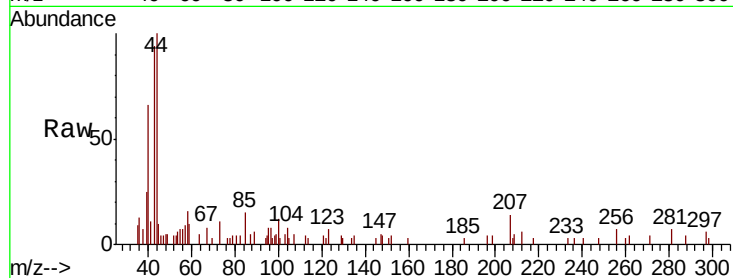
OR-03-052319-B

Tot Ion: 43 Resp: 7247

Ion Ratio Lower Upper

43 100

58 17.0 34.9 52.3#



#56

Ethyl methacrylate

Concen: 4.818 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

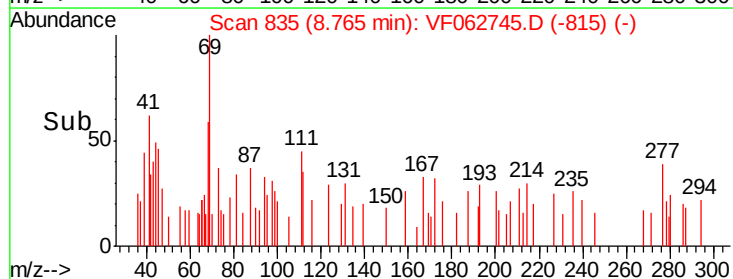
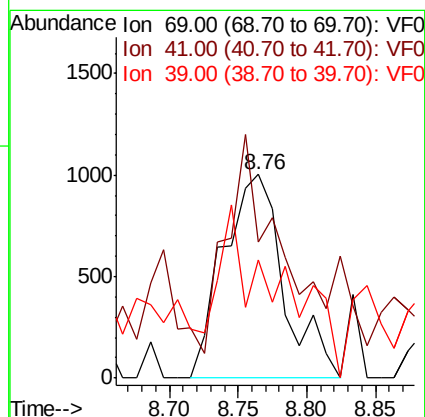
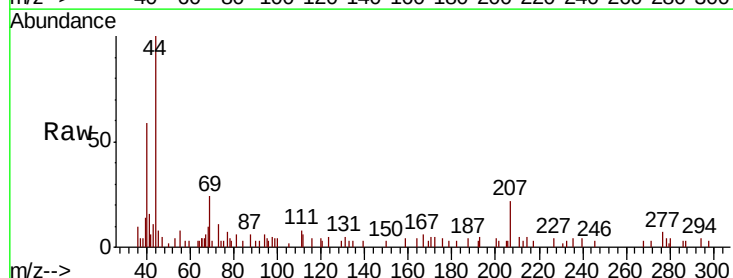
Tgt Ion: 69 Resp: 3064

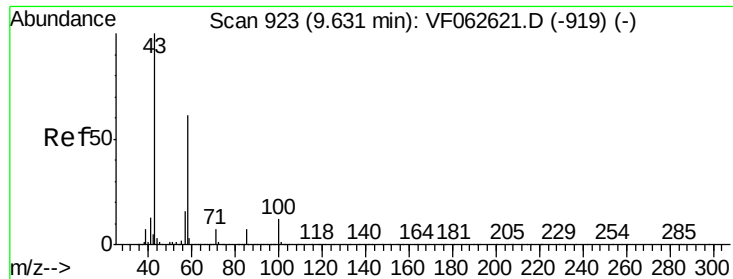
Ion Ratio Lower Upper

69 100

41 66.7 51.4 77.2

39 58.1 23.6 35.4#

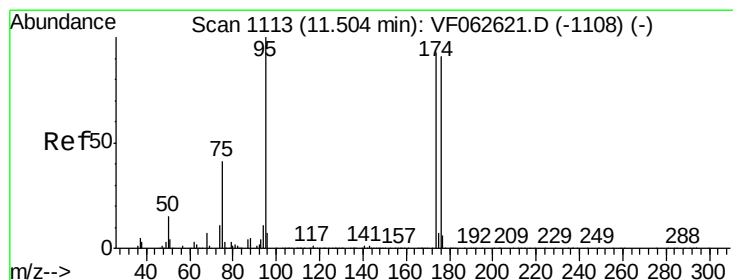
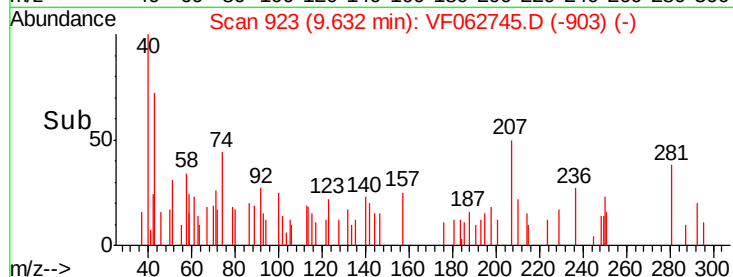
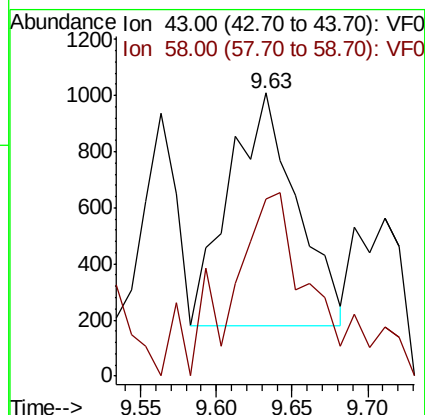
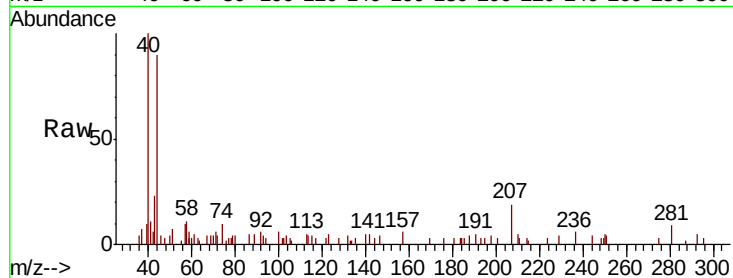




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

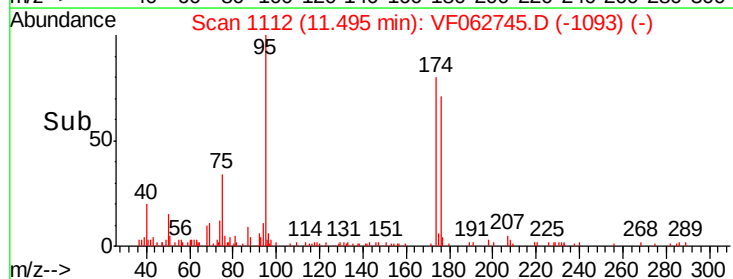
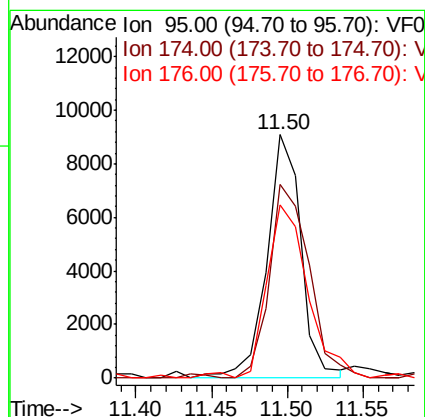
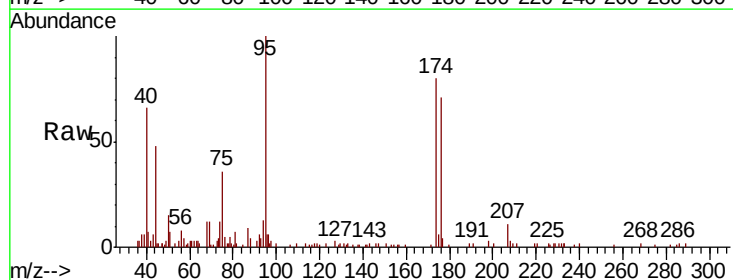
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

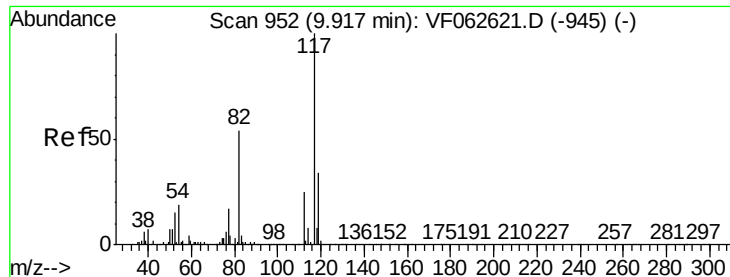
Tot Ion: 43 Resp: 2574
Ion Ratio Lower Upper
43 100
58 62.5 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 16.852 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion: 95 Resp: 14378
Ion Ratio Lower Upper
95 100
174 79.7 0.0 185.6
176 71.3 0.0 182.4

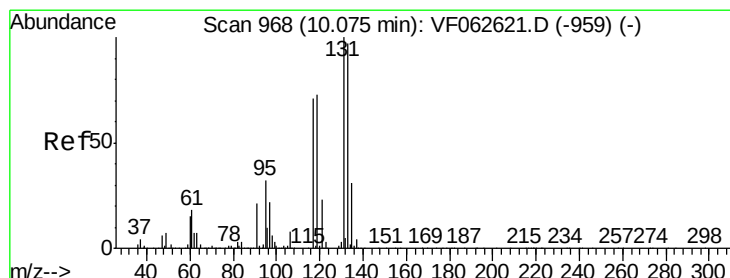
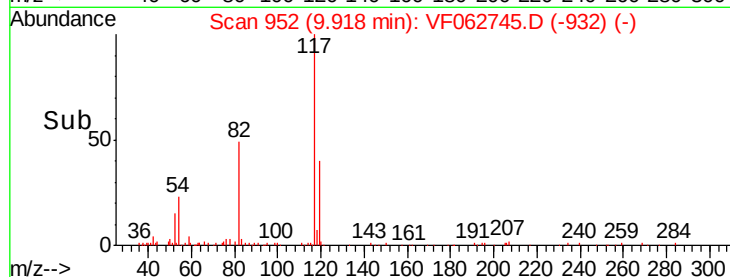
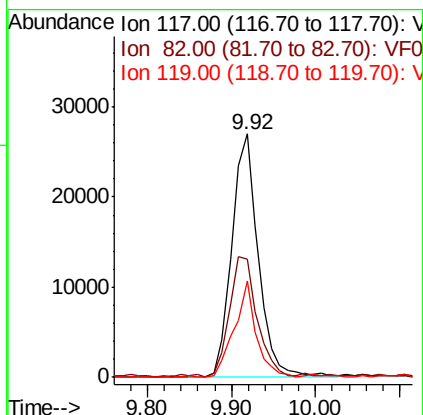
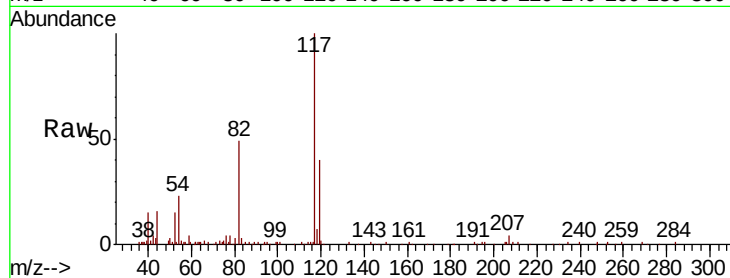




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

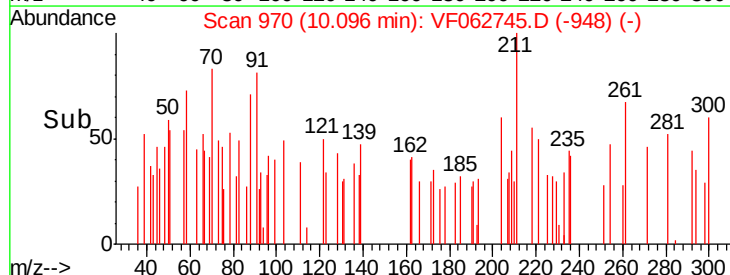
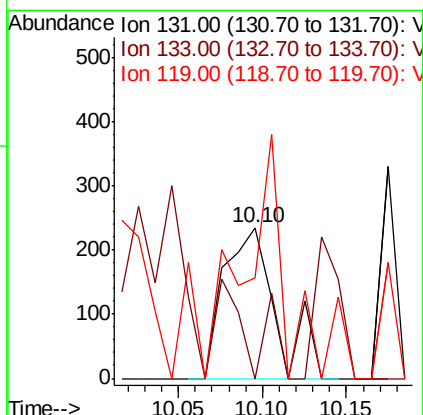
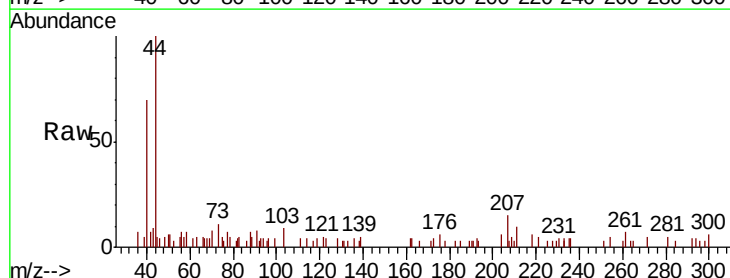
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

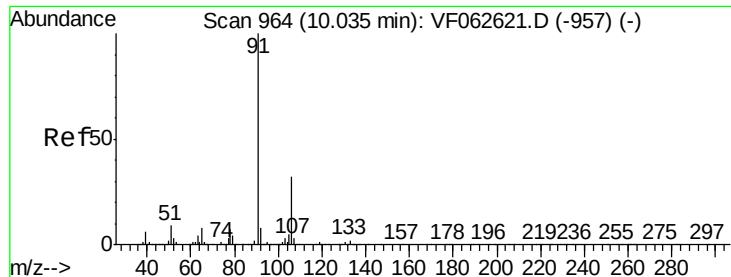
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.8	43.3	64.9
119	39.5	27.4	41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 1.074 ug/l
RT: 10.10 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	48.5	145.5#
119	66.8	36.8	110.4





#67

Ethyl Benzene

Concen: 1.473 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

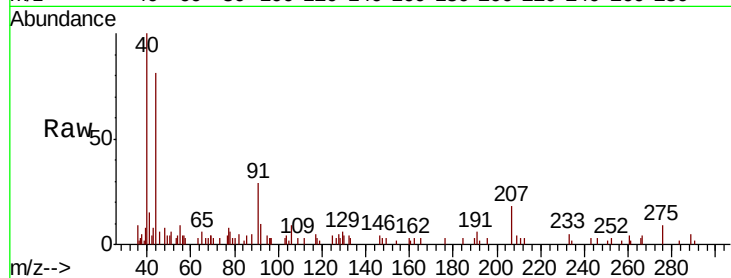
OR-03-052319-B

Tot Ion: 91 Resp: 2980

Ion Ratio Lower Upper

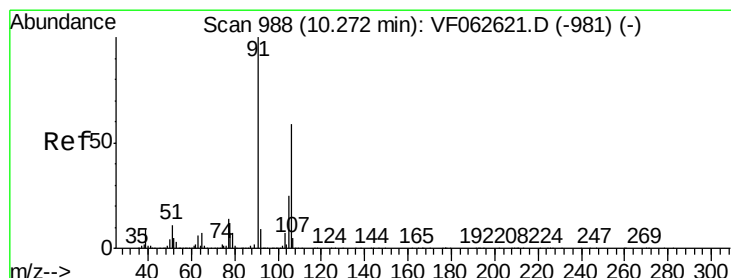
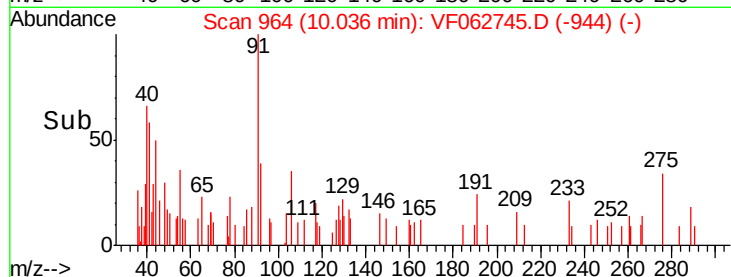
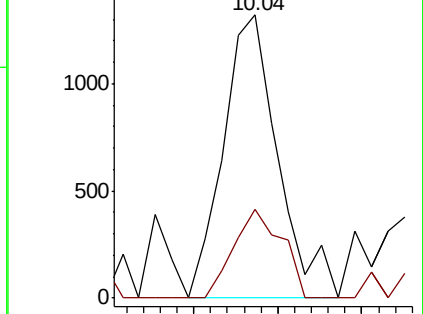
91 100

106 31.6 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 2.893 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062745.D

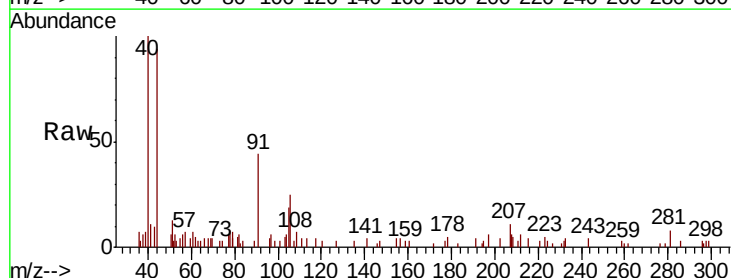
Acq: 24 May 2019 14:14

Tgt Ion: 106 Resp: 2199

Ion Ratio Lower Upper

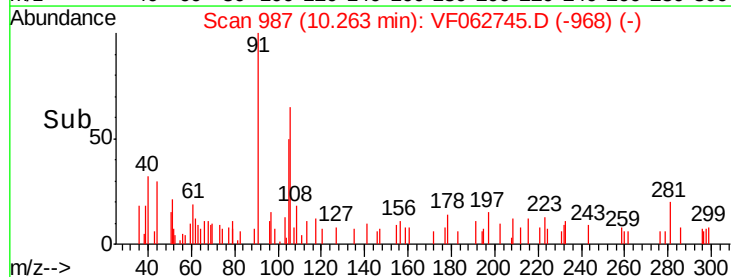
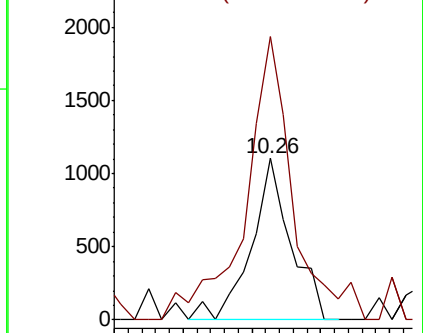
106 100

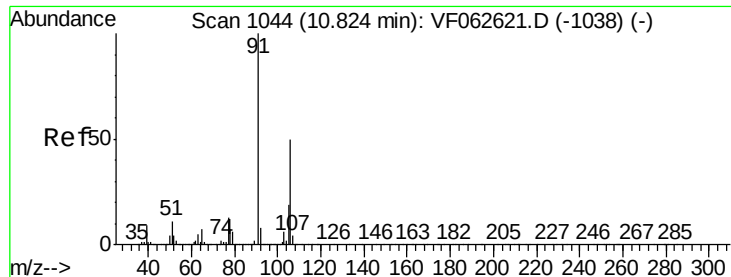
91 175.3 136.9 205.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

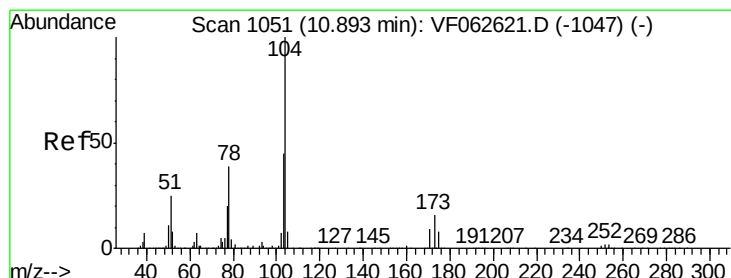
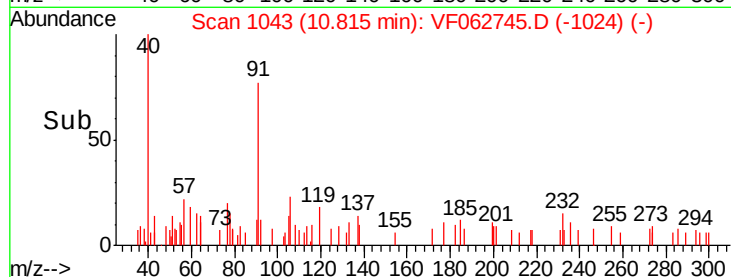
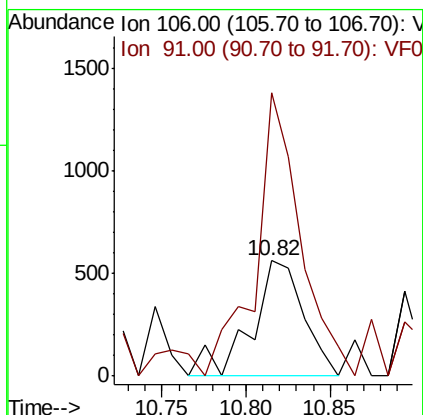
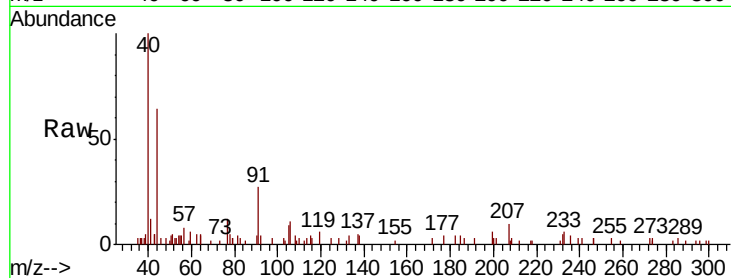




#69
o-Xylene
Concen: 1.545 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

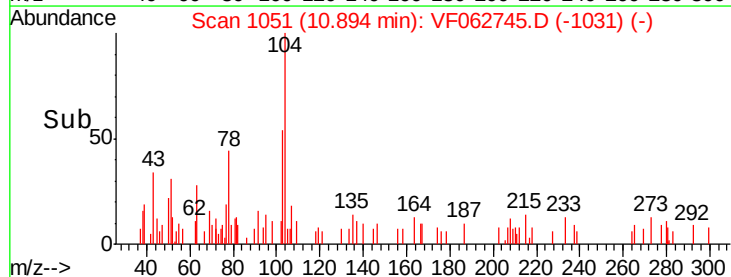
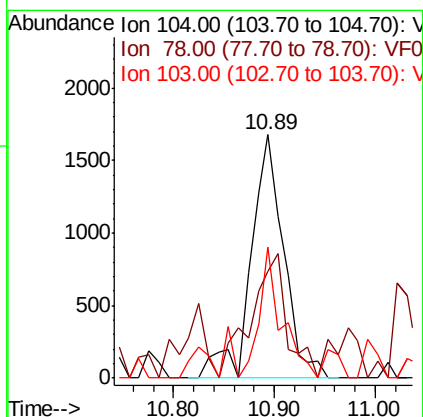
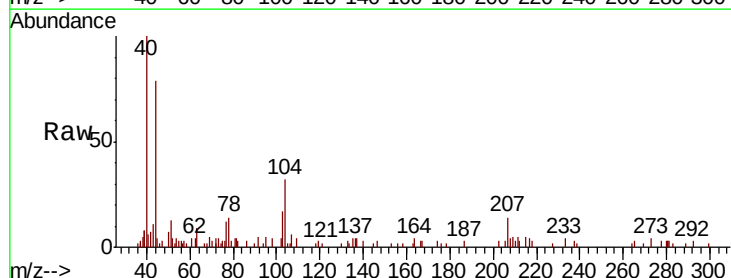
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

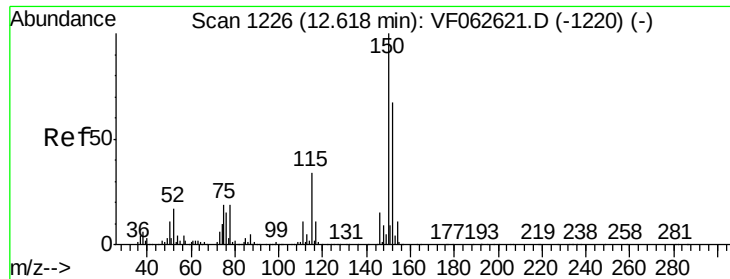
Tot Ion:106 Resp: 1210
Ion Ratio Lower Upper
106 100
91 245.3 100.2 300.5



#70
Styrene
Concen: 3.197 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion:104 Resp: 3804
Ion Ratio Lower Upper
104 100
78 44.0 31.9 47.9
103 54.0 36.1 54.1



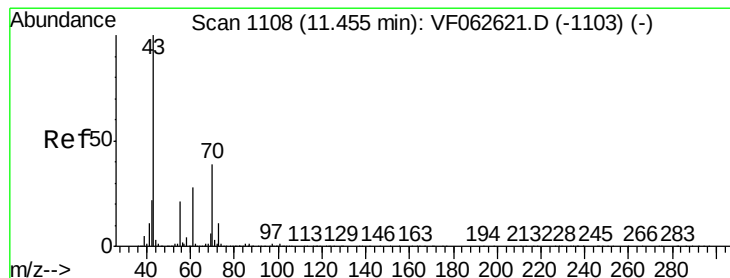
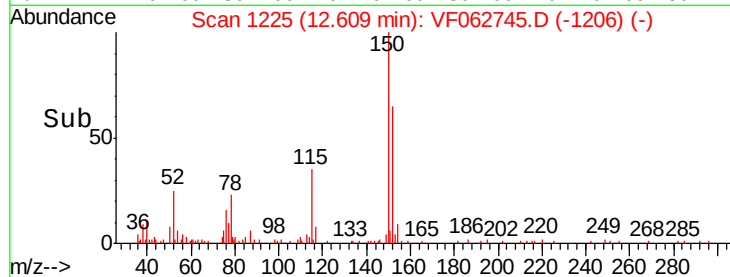
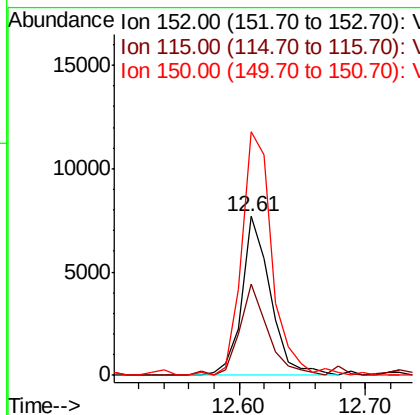
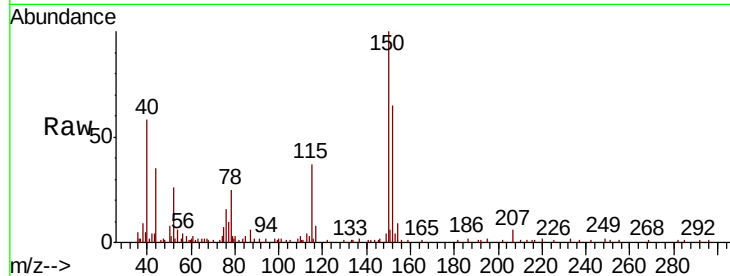


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

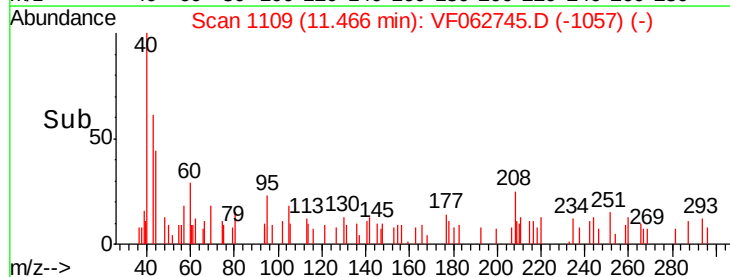
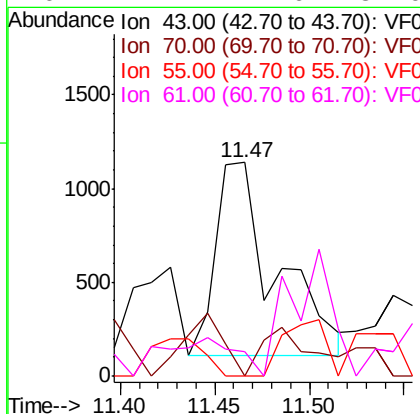
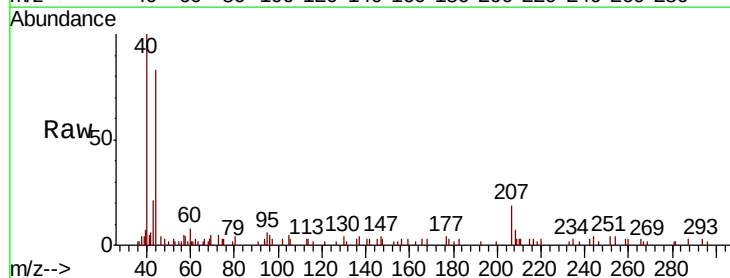
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	25.2	75.6
150	153.1	0.0	306.2

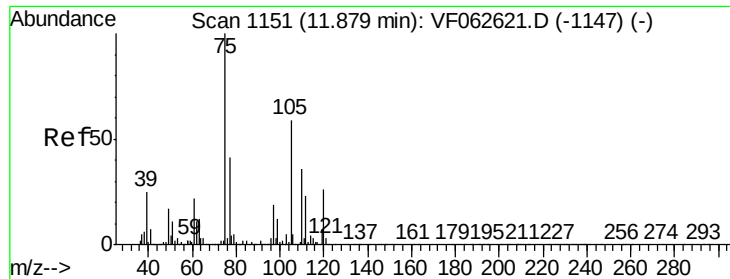


#74

N-ethyl acetate
Concen: 5.477 ug/l
RT: 11.47 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	0.0	17.0	25.4#
61	11.1	22.6	34.0#

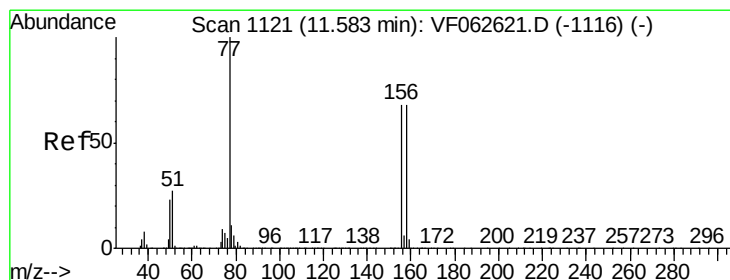
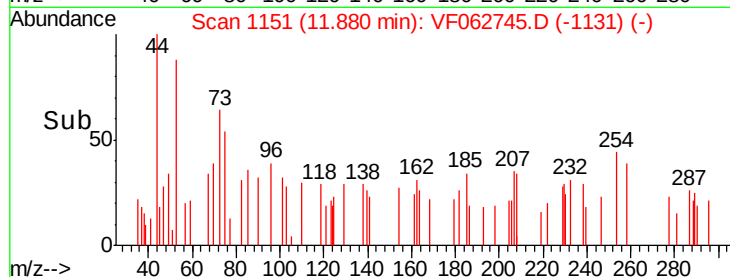
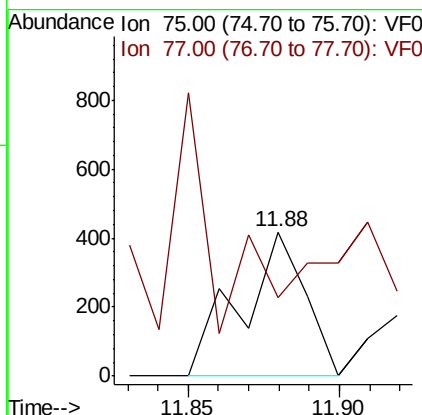
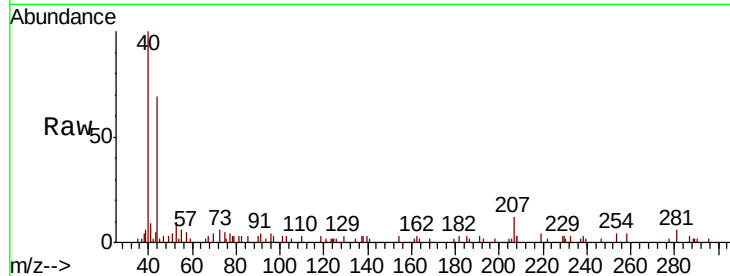




#76
 1,2,3-Trichloropropane
 Concen: 5.249 ug/l
 RT: 11.88 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

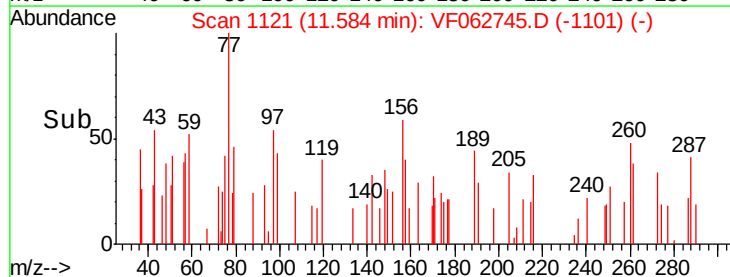
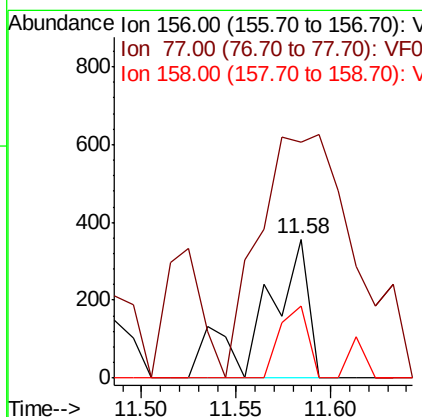
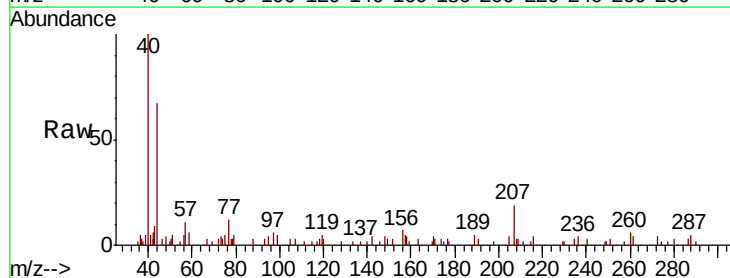
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-B

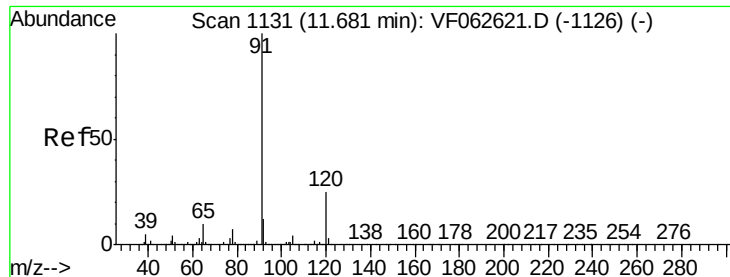
Tot Ion: 75 Resp: 614
 Ion Ratio Lower Upper
 75 100
 77 54.9 20.6 61.8



#77
 Bromobenzene
 Concen: 2.720 ug/l
 RT: 11.58 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

Tgt Ion: 156 Resp: 589
 Ion Ratio Lower Upper
 156 100
 77 169.5 73.6 220.8
 158 51.5 49.6 148.8





#78

n-propylbenzene

Concen: 3.216 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

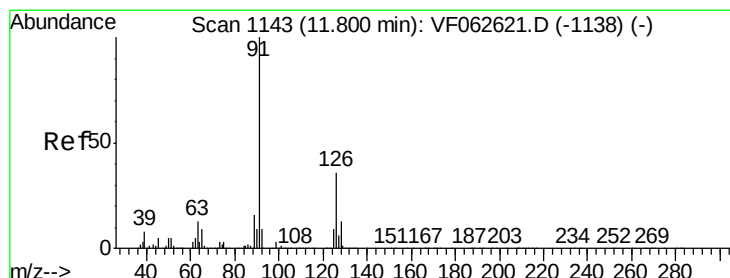
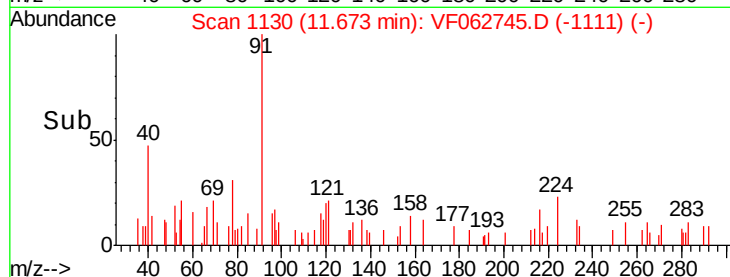
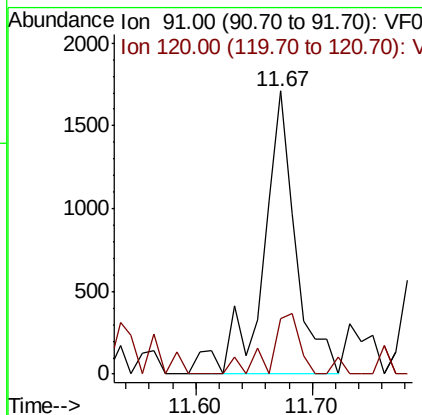
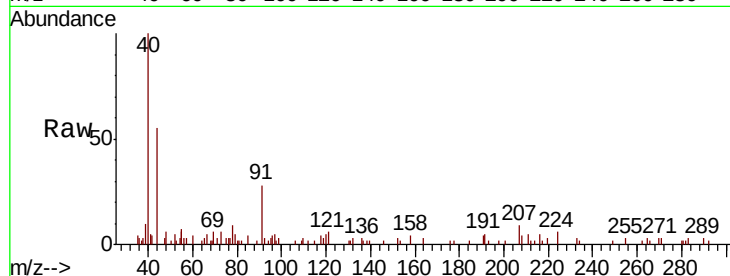
OR-03-052319-B

Tot Ion: 91 Resp: 3315

Ion Ratio Lower Upper

91 100

120 19.7 12.7 38.1



#79

2-Chlorotoluene

Concen: 2.351 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062745.D

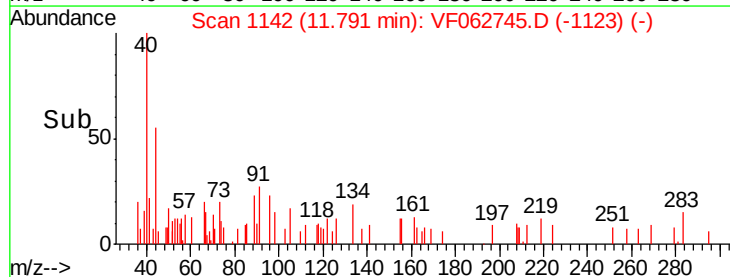
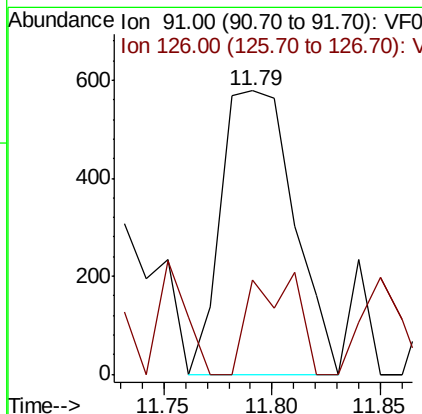
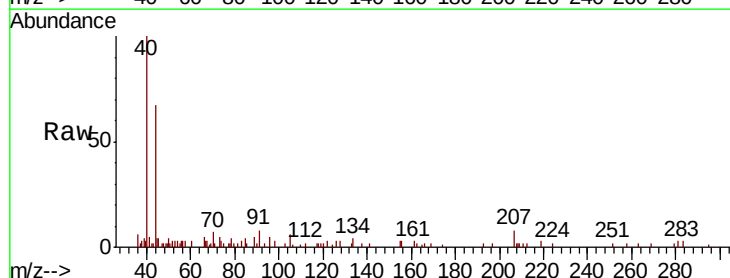
Acq: 24 May 2019 14:14

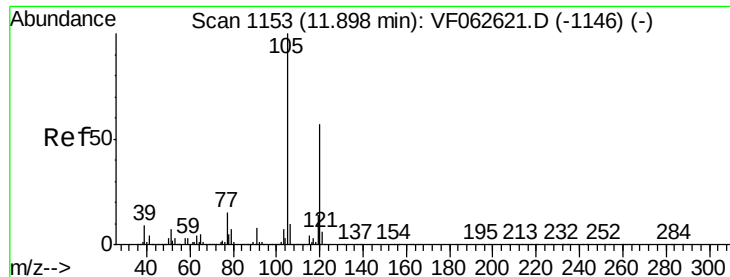
Tgt Ion: 91 Resp: 1366

Ion Ratio Lower Upper

91 100

126 33.4 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 1.456 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

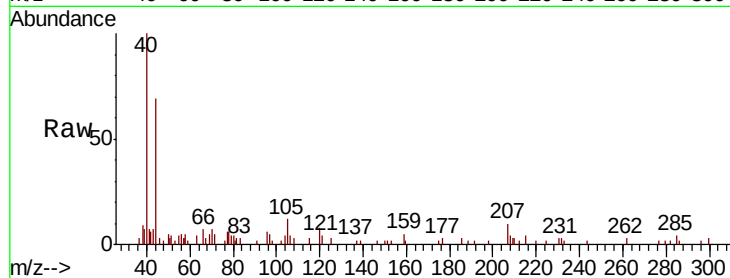
OR-03-052319-B

Tot Ion:105 Resp: 1017

Ion Ratio Lower Upper

105 100

120 62.6 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800

600

400

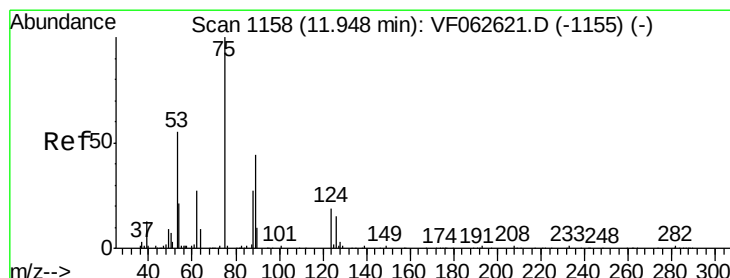
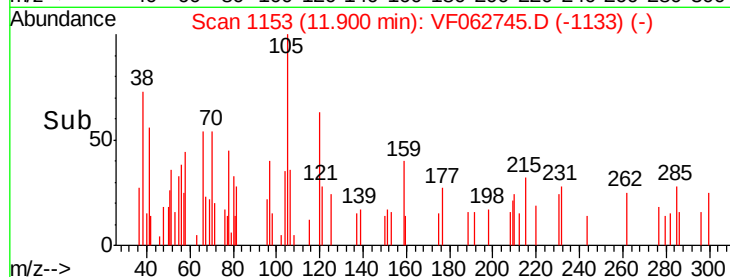
200

0

11.85

11.90

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 6.174 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

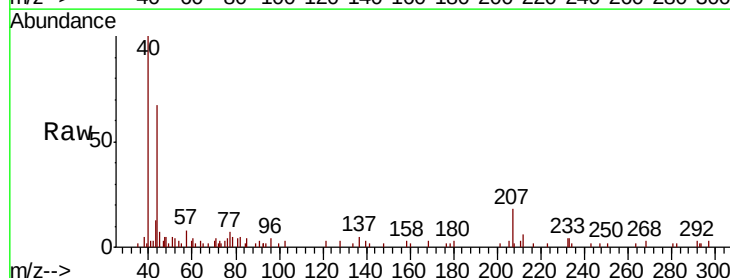
Tgt Ion: 75 Resp: 321

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 65.6 36.4 54.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

500

400

300

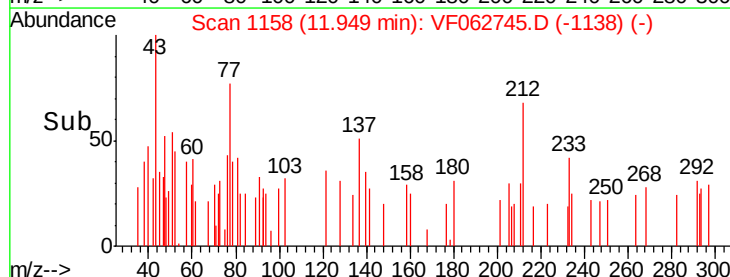
200

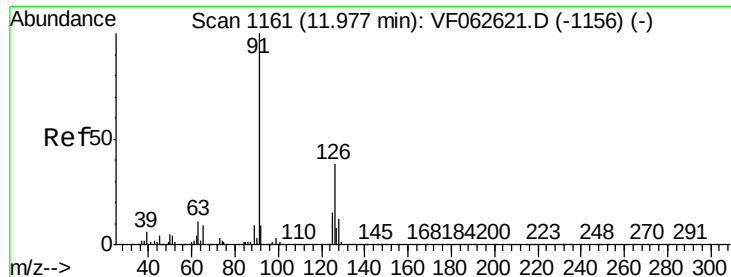
100

0

11.95

Time-->





#82

4-Chlorotoluene

Concen: 3.341 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

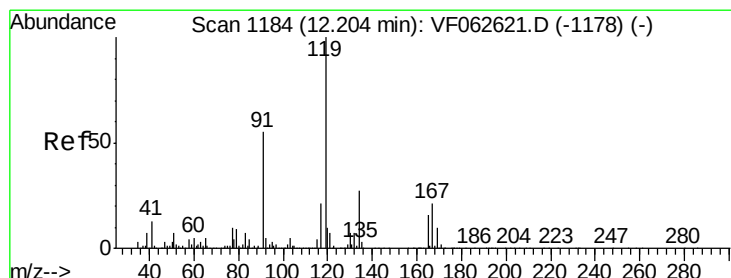
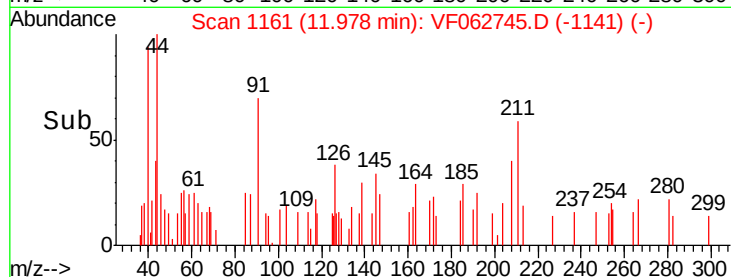
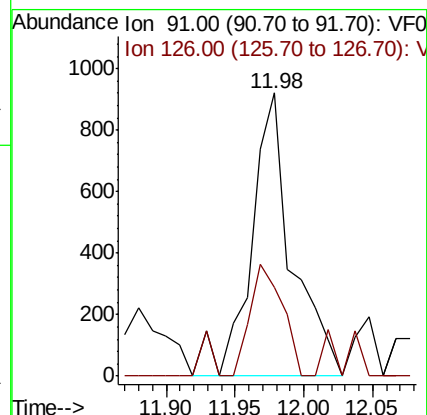
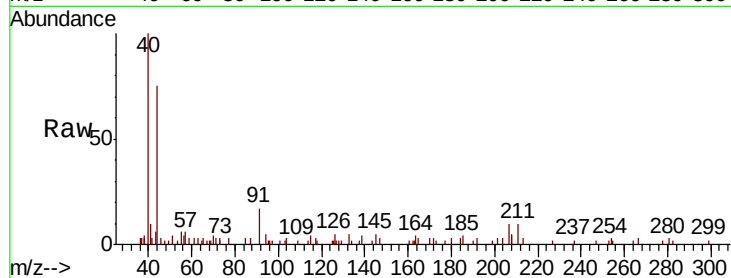
OR-03-052319-B

Tot Ion: 91 Resp: 1914

Ion Ratio Lower Upper

91 100

126 31.2 19.1 57.1



#83

tert-Butylbenzene

Concen: 1.552 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

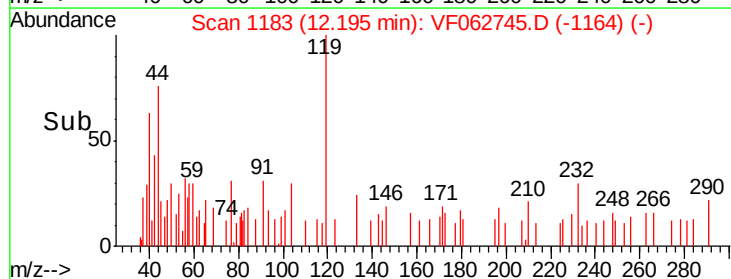
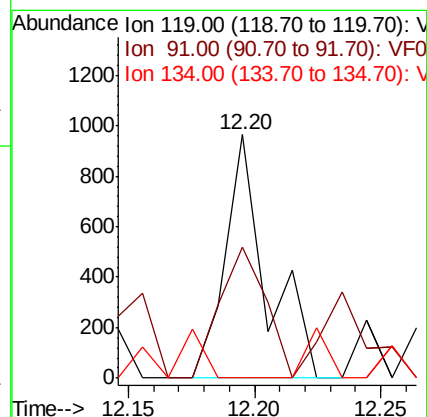
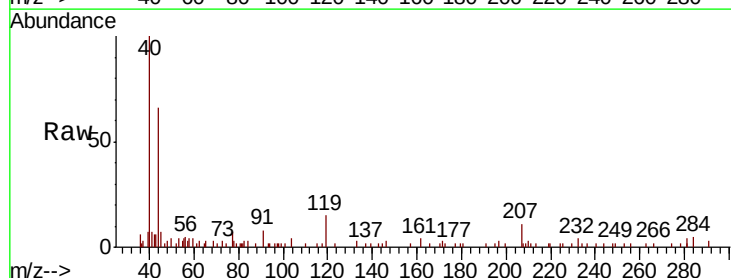
Tgt Ion: 119 Resp: 1100

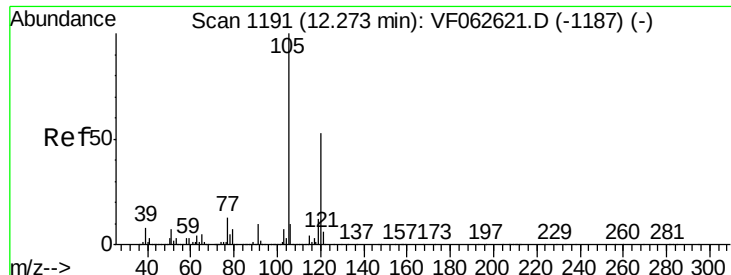
Ion Ratio Lower Upper

119 100

91 53.7 27.3 81.9

134 0.0 13.6 40.7#

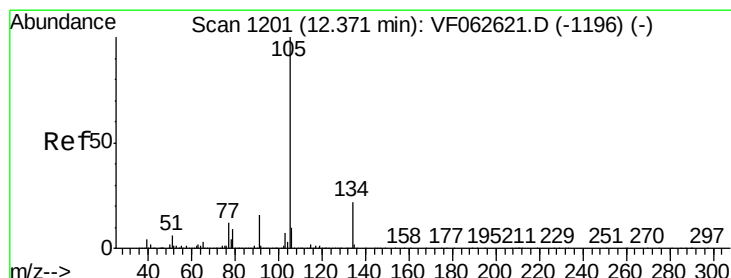
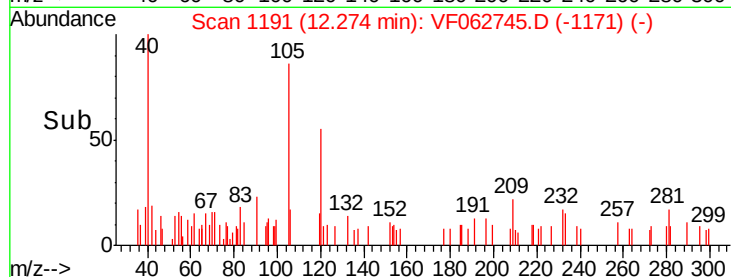
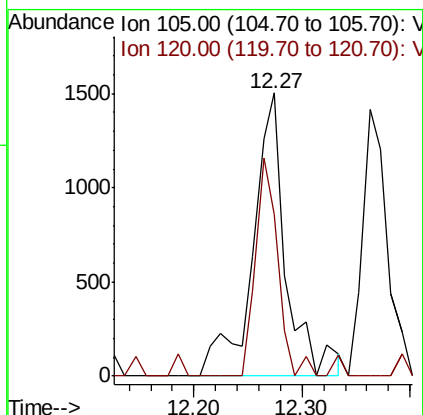
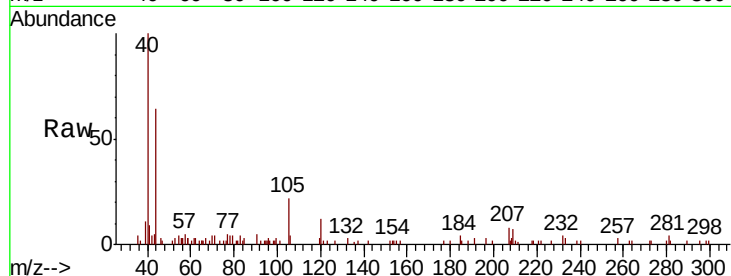




#84
 1,2,4-Trimethylbenzene
 Concen: 4.773 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

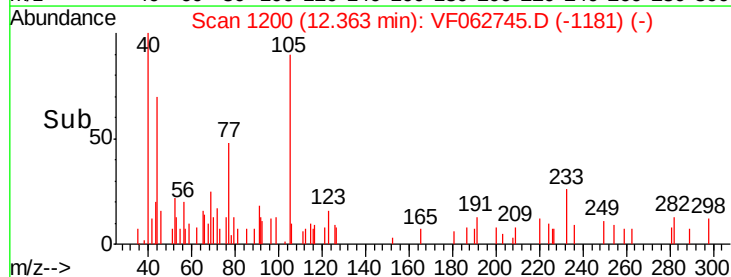
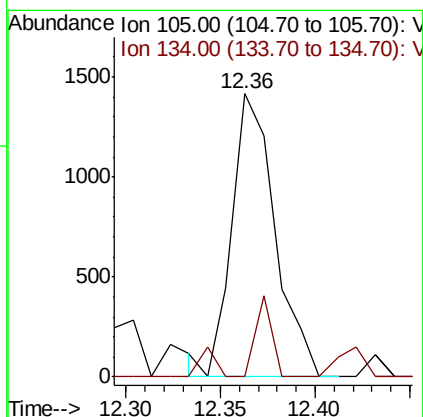
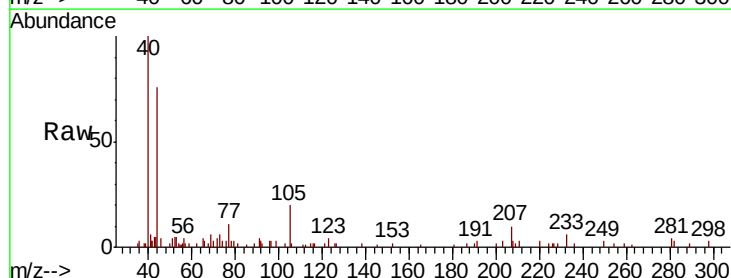
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-B

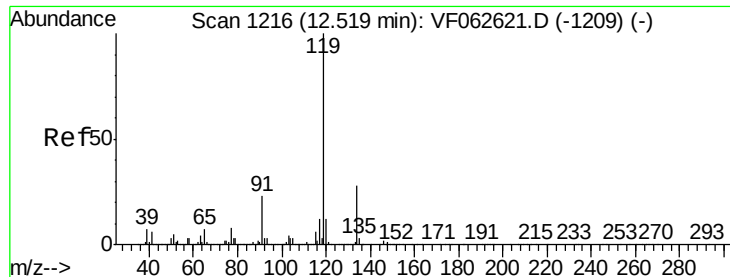
Tot Ion:105 Resp: 3227
 Ion Ratio Lower Upper
 105 100
 120 57.2 26.7 80.1



#85
 sec-Butylbenzene
 Concen: 2.325 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062745.D
 Acq: 24 May 2019 14:14

Tgt Ion:105 Resp: 2211
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#

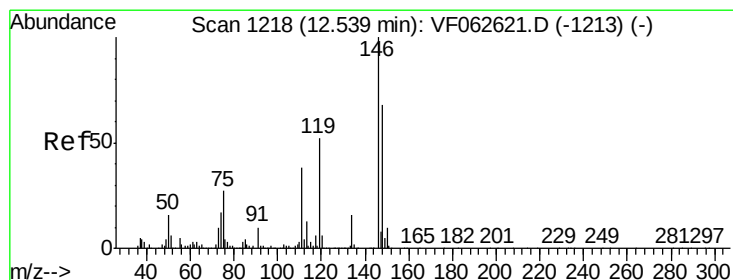
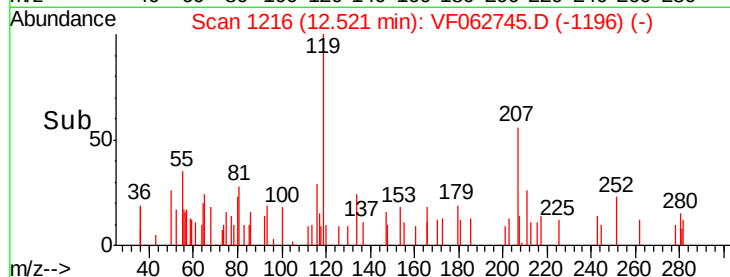
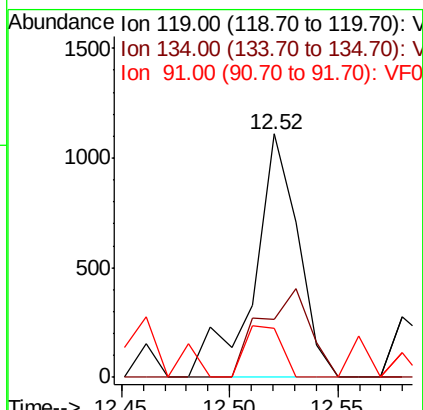
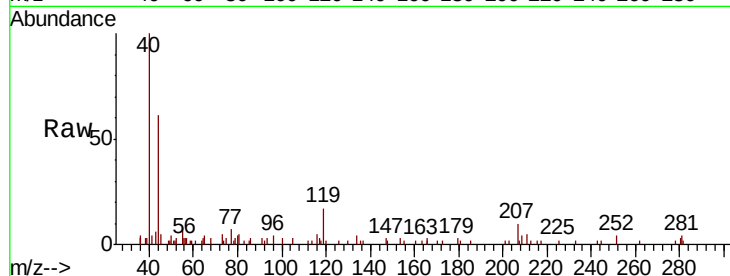




#86
p-Isopropyltoluene
Concen: 1.963 ug/l
RT: 12.52 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

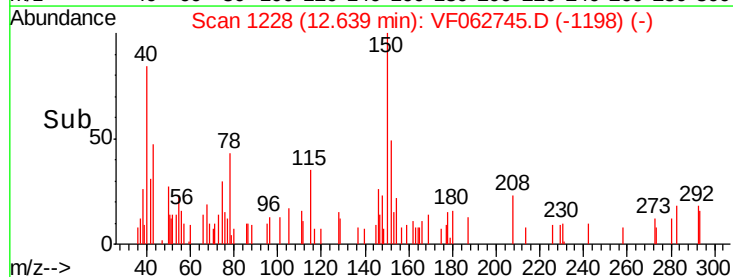
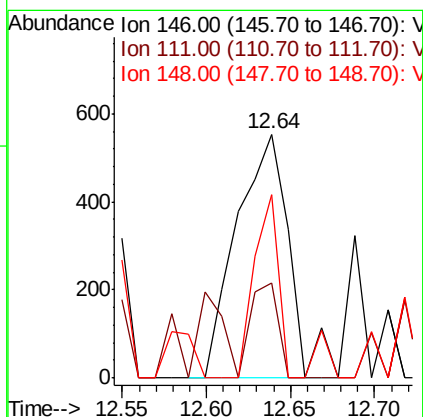
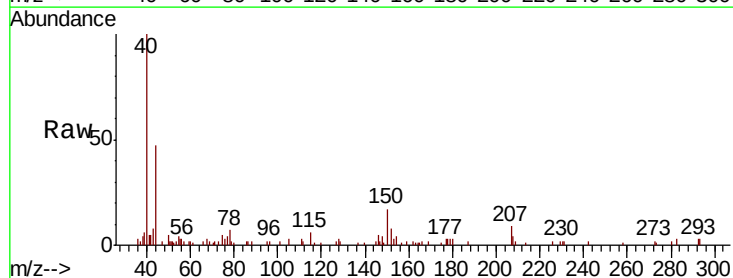
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-B

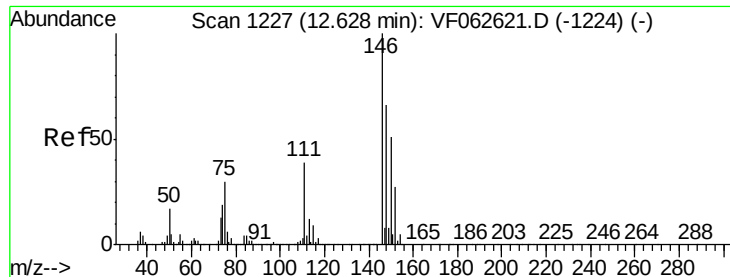
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.0	14.1	42.3
91	20.0	11.4	34.2



#87
1,3-Dichlorobenzene
Concen: 3.068 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.10 min
Lab File: VF062745.D
Acq: 24 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.9
148	75.2	34.0	101.8





#88

1,4-Dichlorobenzene

Concen: 3.270 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-B

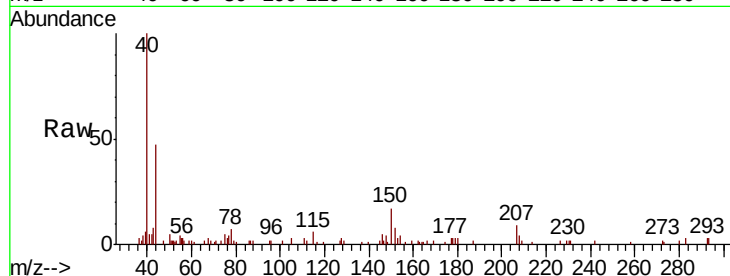
Tot Ion:146 Resp: 1202

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.2

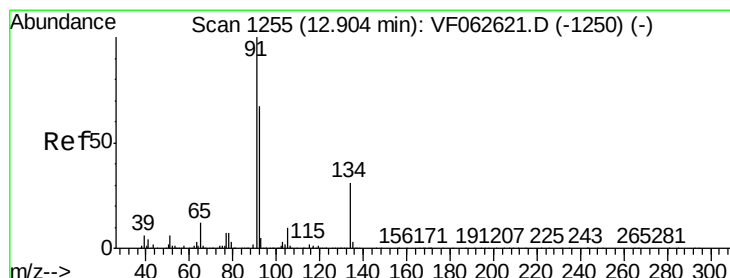
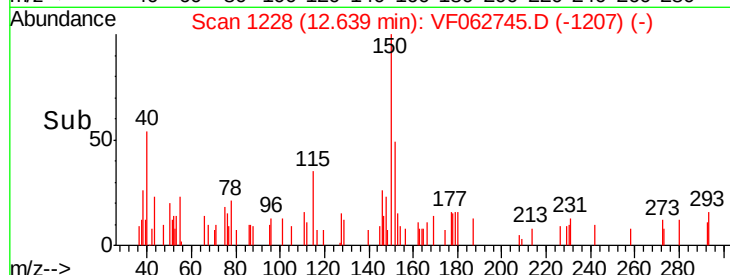
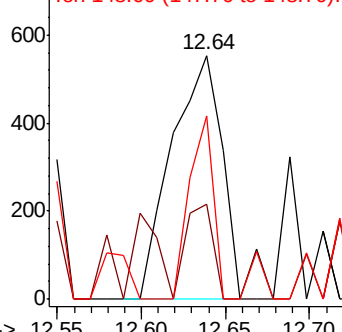
148 75.2 33.2 99.6



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



#89

n-Butylbenzene

Concen: 1.246 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

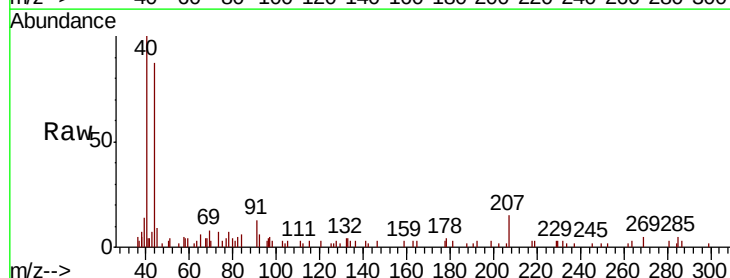
Tgt Ion: 91 Resp: 985

Ion Ratio Lower Upper

91 100

92 46.5 33.3 99.8

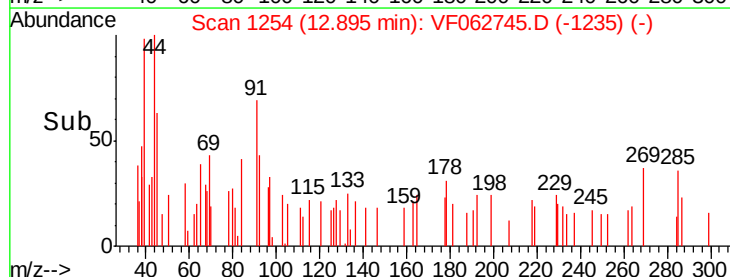
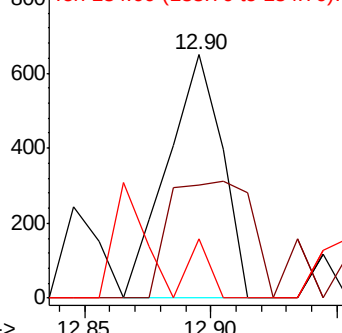
134 24.3 15.4 46.4

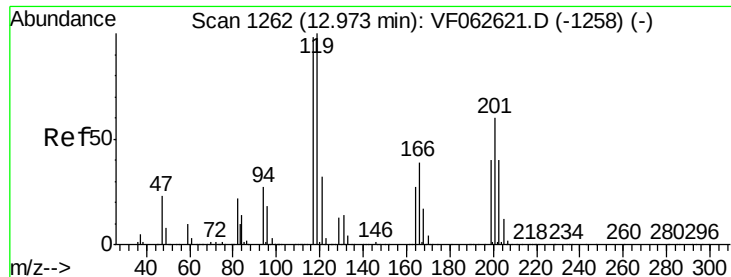


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.451 ug/l

RT: 12.88 min Scan# 1252

Delta R.T. -0.10 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

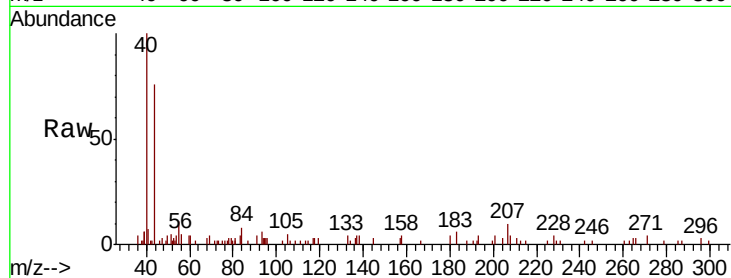
OR-03-052319-B

Tot Ion:117 Resp: 279

Ion Ratio Lower Upper

117 100

201 66.5 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.88

300

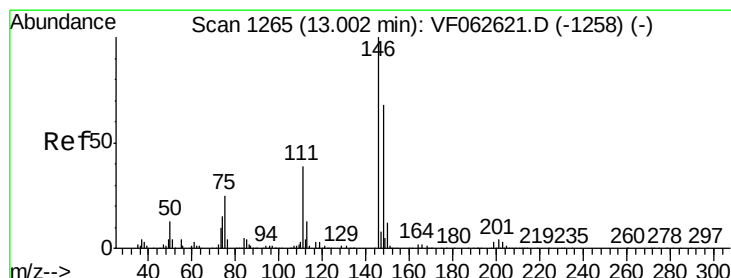
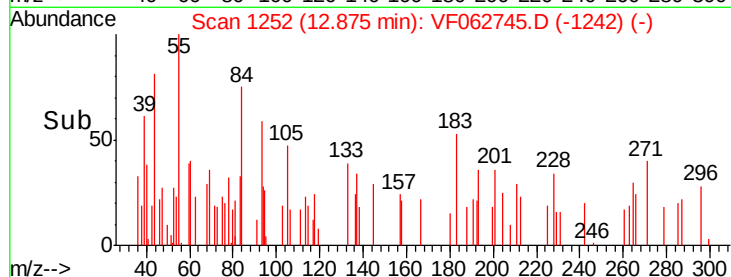
200

100

0

12.84 12.86 12.88 12.90

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.678 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.03 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

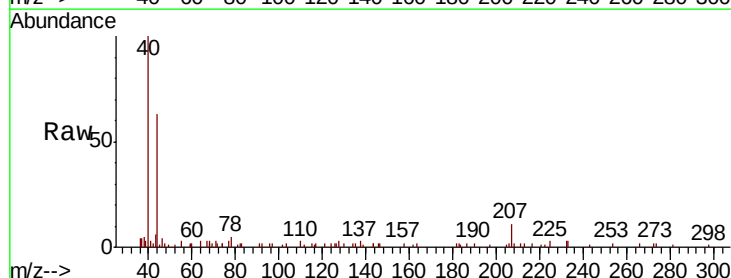
Tgt Ion:146 Resp: 586

Ion Ratio Lower Upper

146 100

111 30.7 19.8 59.3

148 0.0 34.1 102.2#



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

800

600

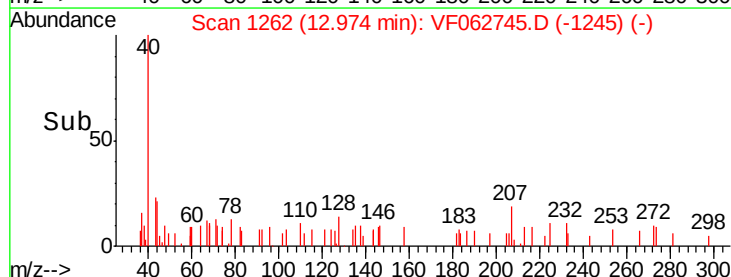
400

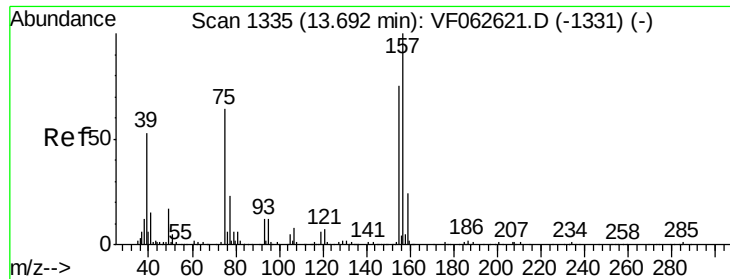
200

0

12.95 13.00

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.357 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-B

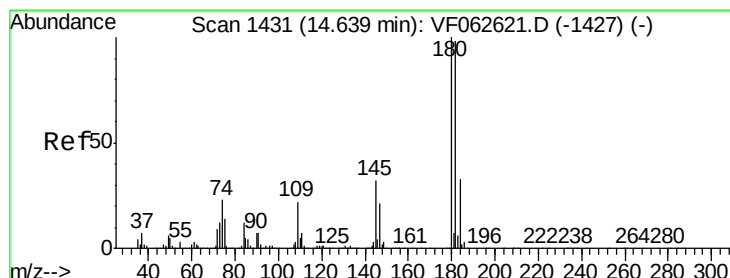
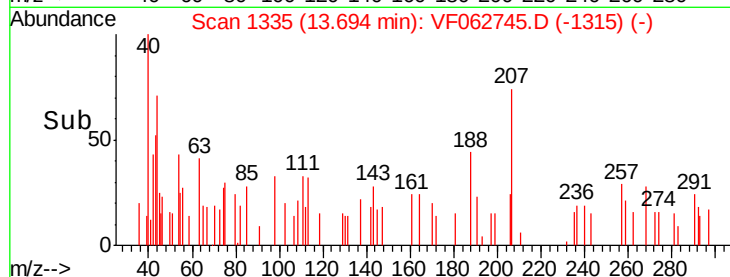
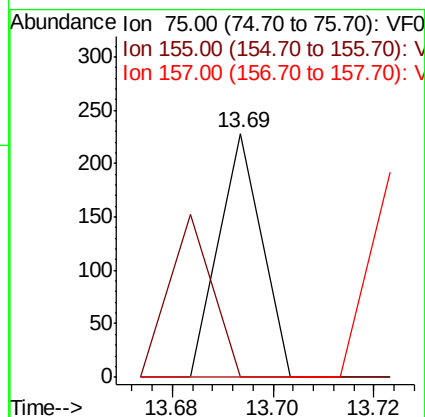
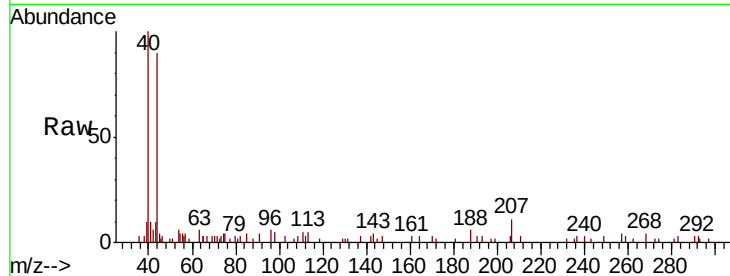
Tot Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#



#96

1,2,3-Trichlorobenzene

Concen: 1.563 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062745.D

Acq: 24 May 2019 14:14

Tgt Ion: 180 Resp: 370

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#

