

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062744.D
 Acq On : 24 May 2019 13:46
 Operator : FY/SY
 Sample : K2643-09
 Misc : 5.99g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 24 23:03:42 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	422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	1175	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	252	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.67	152	180	50.00	ug/l	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	186	62.37	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	124.74%	
35) Dibromofluoromethane	4.32	113	413	45.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.86%	
50) Toluene-d8	7.67	98	86	4.01	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	8.02%	
62) 4-Bromofluorobenzene	11.49	95	406	49.87	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	299	52.065	ug/l	92
3) Chloromethane	1.12	50	768	145.238	ug/l	91
4) Vinyl Chloride	1.18	62	875	179.766	ug/l #	77
5) Bromomethane	1.42	94	317	119.048	ug/l #	56
6) Chloroethane	1.54	64	883	493.947	ug/l	91
7) Trichlorofluoromethane	1.53	101	136	20.809	ug/l #	21
8) Diethyl Ether	1.74	74	914	705.934	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.93	101	195	46.858	ug/l #	11
10) Methyl Iodide	1.96	142	356	43.548	ug/l #	25
11) Tert butyl alcohol	2.73	59	114	579.039	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	949	250.334	ug/l #	1
13) Acrolein	2.02	56	878	4272.242	ug/l	87
14) Allyl chloride	2.19	41	952	277.469	ug/l #	77
15) Acrylonitrile	3.10	53	189	340.321	ug/l #	33
16) Acetone	2.33	43	1019	1317.146	ug/l	91
17) Carbon Disulfide	1.95	76	177	15.753	ug/l #	1
18) Methyl Acetate	2.33	43	1019	838.181	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	407	60.057	ug/l #	34
20) Methylene Chloride	2.34	84	311	80.199	ug/l #	18
21) trans-1,2-Dichloroethene	2.43	96	1105	298.218	ug/l #	1
22) Diisopropyl ether	2.94	45	652	77.049	ug/l #	76
23) Vinyl Acetate	3.33	43	1544	270.480	ug/l #	51
24) 1,1-Dichloroethane	3.04	63	190	30.606	ug/l #	21
25) 2-Butanone	4.51	43	909	549.948	ug/l #	50
26) 2,2-Dichloropropane	3.81	77	745	209.746	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	646	105.990	ug/l	1
28) Bromochloromethane	4.04	49	160	45.955	ug/l	90
29) Tetrahydrofuran	4.27	42	742	1109.343	ug/l #	61
30) Chloroform	4.05	83	267	30.978	ug/l #	31
31) Cyclohexane	3.88	56	396	47.509	ug/l #	24
32) 1,1,1-Trichloroethane	4.32	97	209	36.512	ug/l #	9
36) 1,1-Dichloropropene	4.32	75	313	25.996	ug/l	97
37) Ethyl Acetate	4.29	43	1382	281.123	ug/l #	81
38) Carbon Tetrachloride	4.21	117	93	10.270	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.72	83	494	34.099	ug/l	94
40) Benzene	4.86	78	394	12.012	ug/l #	47
41) Methacrylonitrile	4.94	41	404	156.752	ug/l #	70
42) 1,2-Dichloroethane	5.08	62	415	63.446	ug/l	71
43) Isopropyl Acetate	7.11	43	964	151.361	ug/l #	43
44) Trichloroethene	5.68	130	237	25.708	ug/l	1
45) 1,2-Dichloropropane	6.37	63	167	20.169	ug/l	93
46) Dibromomethane	6.22	93	321	67.081	ug/l #	12
47) Bromodichloromethane	6.54	83	130	13.086	ug/l #	25
48) Methyl methacrylate	6.86	41	826	248.130	ug/l #	31
49) 1,4-Dioxane	6.85	88	193	4526.663	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	319	73.277	ug/l #	32
52) Toluene	7.69	92	108	6.278	ug/l	78
53) t-1,3-Dichloropropene	8.38	75	574	70.625	ug/l #	1
54) cis-1,3-Dichloropropene	7.43	75	144	12.657	ug/l #	1
55) 1,1,2-Trichloroethane	8.62	97	512	100.524	ug/l #	15
56) Ethyl methacrylate	8.72	69	690	113.710	ug/l #	10
57) 1,3-Dichloropropane	8.99	76	79	9.106	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.42	63	535	270.865	ug/l #	51
59) 2-Hexanone	9.54	43	872	312.314	ug/l	85
60) Dibromochloromethane	8.88	129	138	20.789	ug/l	58
61) 1,2-Dibromoethane	9.05	107	90	16.636	ug/l	91
64) Tetrachloroethene	8.32	164	68	34.061	ug/l #	1
65) Chlorobenzene	9.99	112	250	50.510	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.08	131	87	43.785	ug/l #	62
67) Ethyl Benzene	10.07	91	650	75.595	ug/l #	42
68) m/p-Xylenes	10.27	106	232	71.790	ug/l #	29
69) o-Xylene	10.81	106	215	64.591	ug/l	51
70) Styrene	10.89	104	63	12.452	ug/l #	33
71) Bromoform	10.91	173	236	237.150	ug/l #	61
73) Isopropylbenzene	11.22	105	73	5.659	ug/l #	45
74) N-amyl acetate	11.46	43	677	225.151	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.75	83	75	28.447	ug/l #	1
76) 1,2,3-Trichloropropane	11.86	75	313	180.682	ug/l #	40
77) Bromobenzene	11.56	156	143	44.593	ug/l #	54
78) n-propylbenzene	11.67	91	308	20.173	ug/l #	50
79) 2-Chlorotoluene	11.79	91	913	106.109	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.90	105	143	13.824	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.98	75	135	175.317	ug/l #	26
82) 4-Chlorotoluene	12.01	91	213	25.103	ug/l #	37
83) tert-Butylbenzene	12.24	119	605	57.646	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.28	105	112	11.186	ug/l #	25
85) sec-Butylbenzene	12.35	105	98	6.958	ug/l #	54
86) p-Isopropyltoluene	12.52	119	260	21.904	ug/l #	47
87) 1,3-Dichlorobenzene	12.55	146	277	47.745	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	233	42.796	ug/l #	24
89) n-Butylbenzene	12.90	91	132	11.279	ug/l #	25
90) Hexachloroethane	12.97	117	383	134.508	ug/l #	20
91) 1,2-Dichlorobenzene	13.00	146	63	12.182	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	290	922.036	ug/l #	11

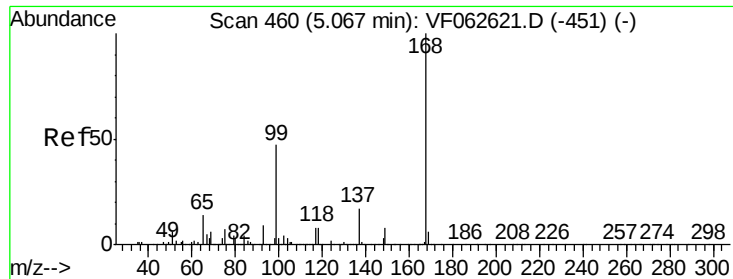
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	69	18.640	ug/l #	11
94) Hexachlorobutadiene	14.22	225	87	33.677	ug/l #	16
95) Naphthalene	14.47	128	315	46.839	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	80	22.815	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. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

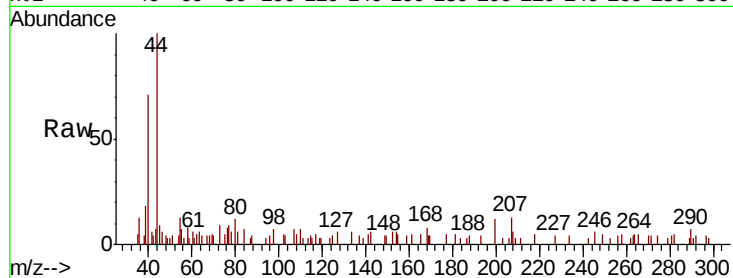
OR-03-052319-A

Tot Ion:168 Resp: 422

Ion Ratio Lower Upper

168 100

99 0.0 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

300

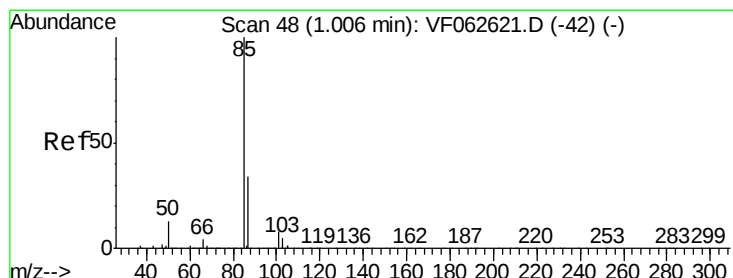
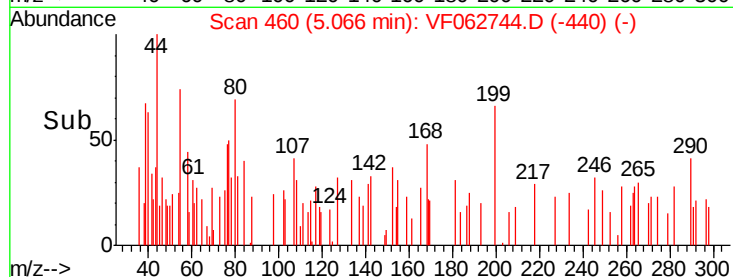
200

100

0

5.04 5.06 5.08 5.10 5.12

Time-->



#2

Dichlorodifluoromethane

Concen: 52.065 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF062744.D

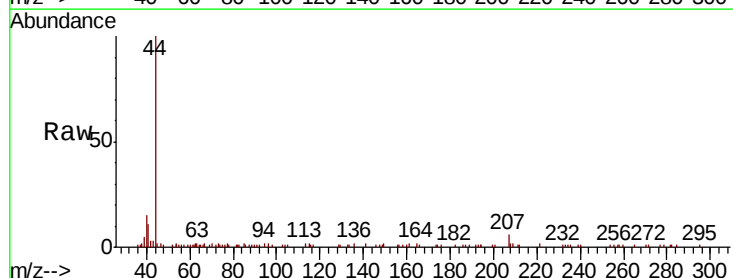
Acq: 24 May 2019 13:46

Tgt Ion: 85 Resp: 299

Ion Ratio Lower Upper

85 100

87 28.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

400

300

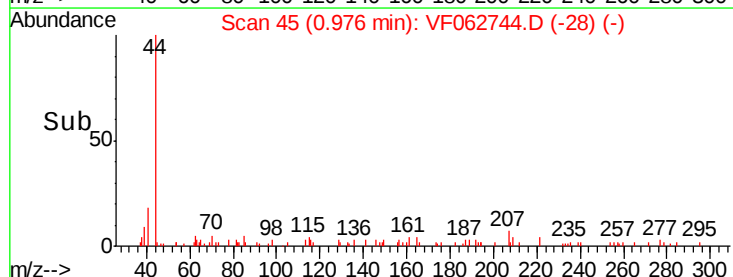
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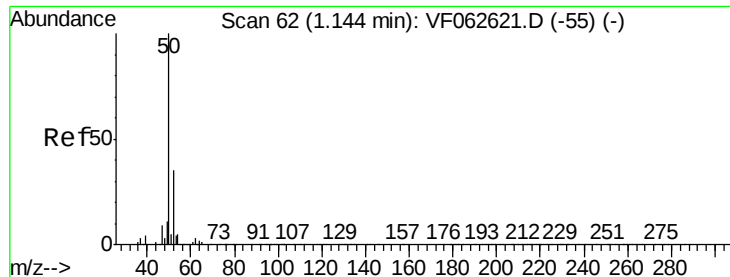
100

0

0.94 0.96 0.98 1.00

Time-->





#3

Chloromethane

Concen: 145.238 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

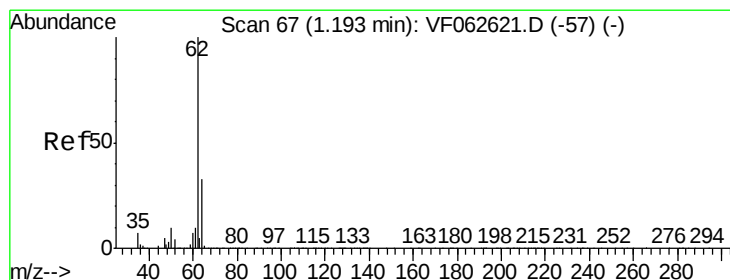
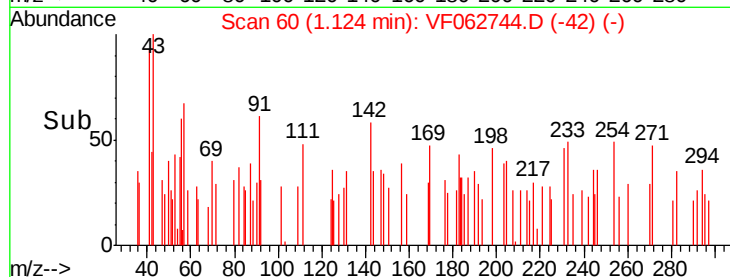
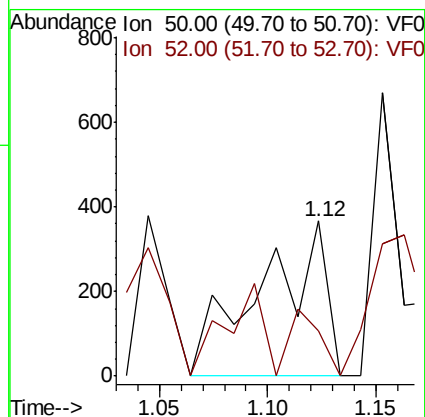
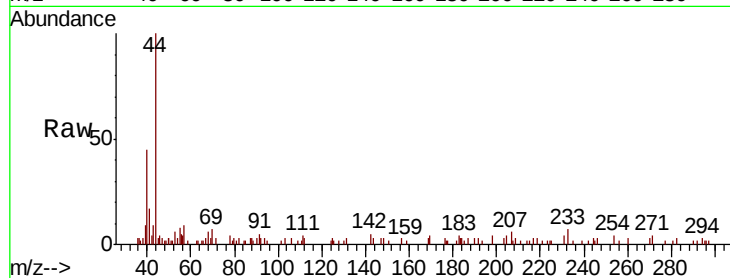
OR-03-052319-A

Tot Ion: 50 Resp: 768

Ion Ratio Lower Upper

50 100

52 29.0 27.5 41.3



#4

Vinyl Chloride

Concen: 179.766 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062744.D

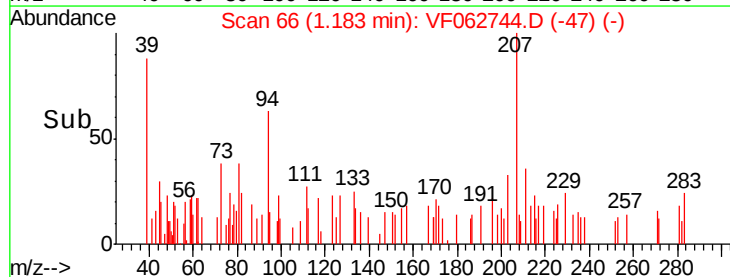
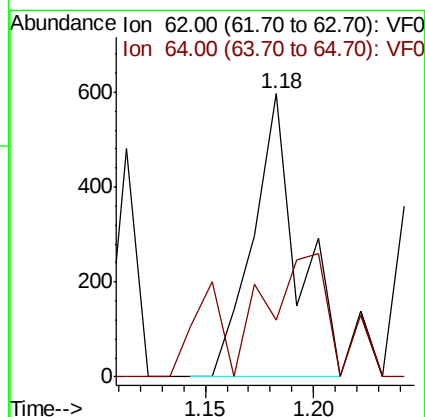
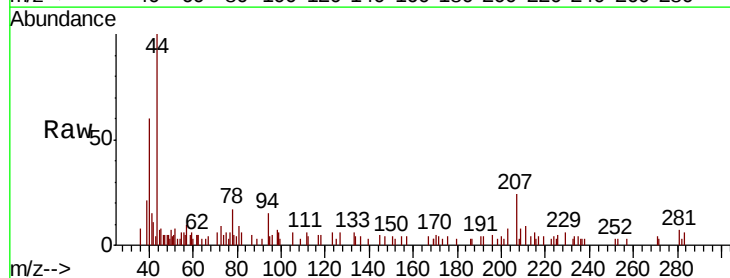
Acq: 24 May 2019 13:46

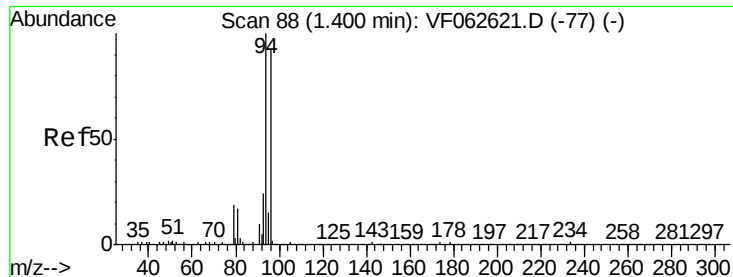
Tgt Ion: 62 Resp: 875

Ion Ratio Lower Upper

62 100

64 20.1 26.7 40.1#





#5

Bromomethane

Concen: 119.048 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

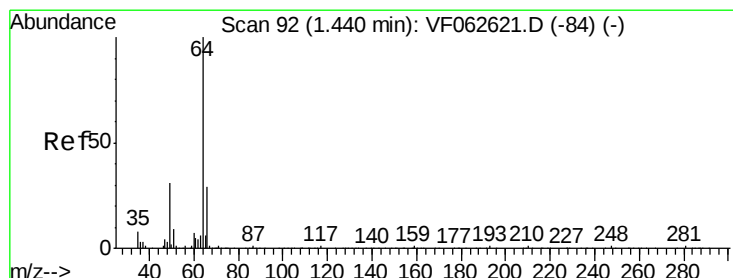
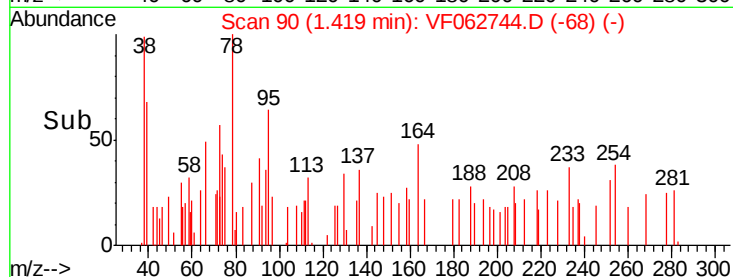
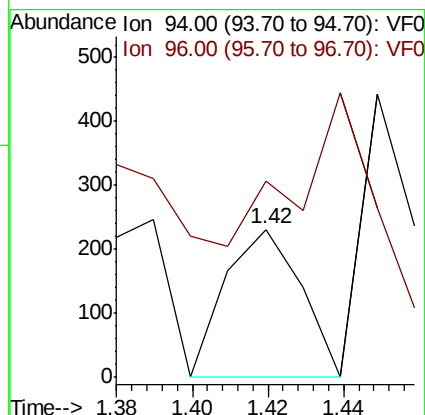
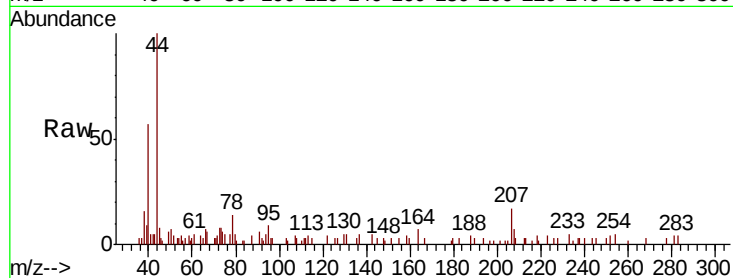
OR-03-052319-A

Tot Ion: 94 Resp: 317

Ion Ratio Lower Upper

94 100

96 133.0 73.2 109.8#



#6

Chloroethane

Concen: 493.947 ug/l

RT: 1.54 min Scan# 102

Delta R.T. 0.10 min

Lab File: VF062744.D

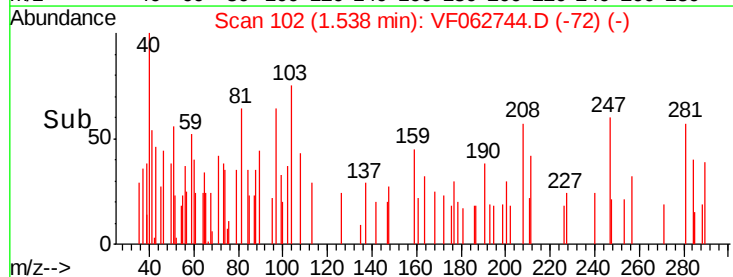
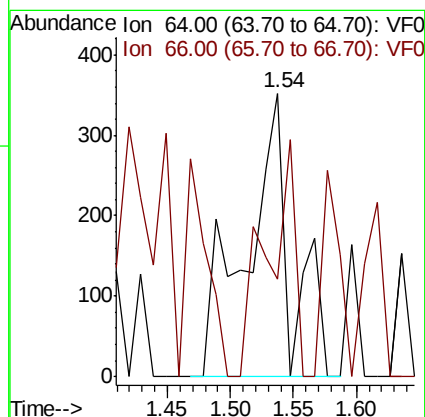
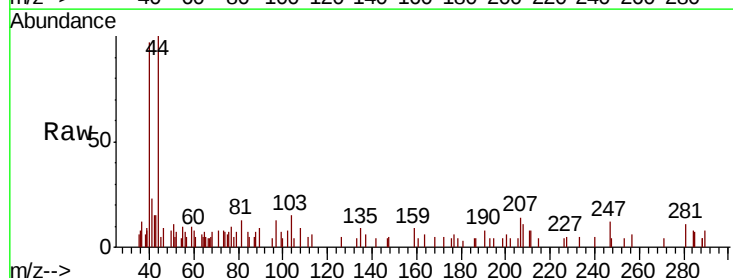
Acq: 24 May 2019 13:46

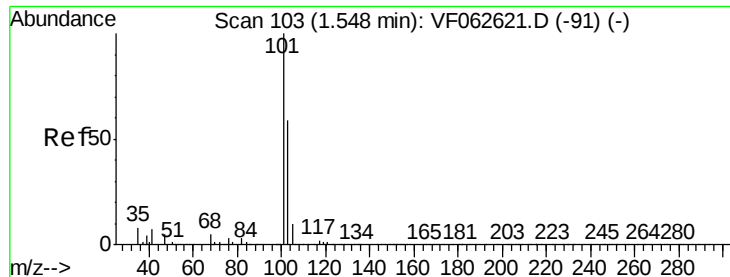
Tgt Ion: 64 Resp: 883

Ion Ratio Lower Upper

64 100

66 34.4 23.4 35.2



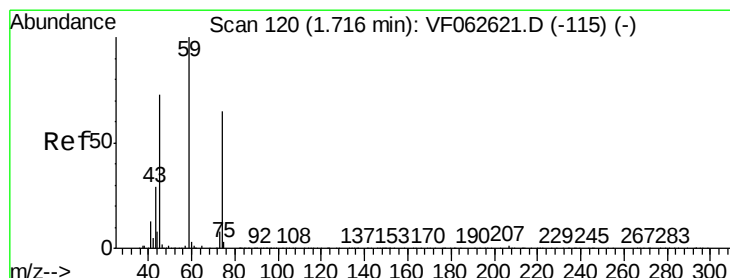
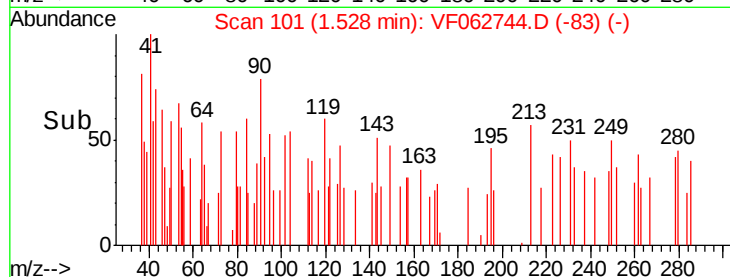
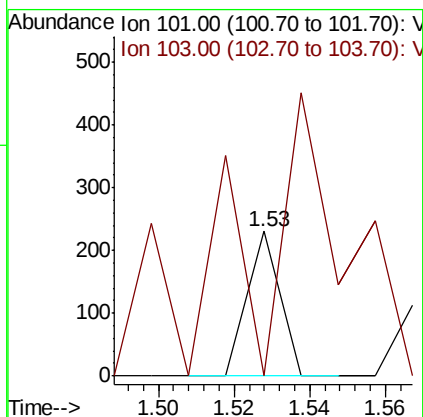
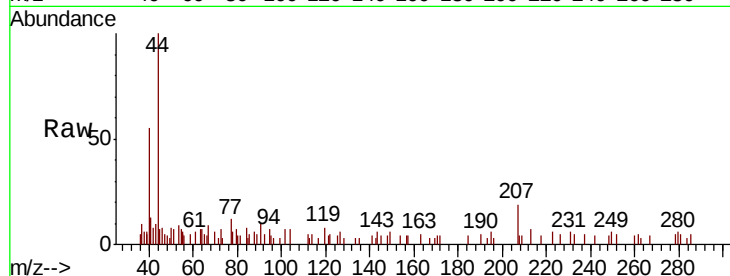


#7

Trichlorofluoromethane
Concen: 20.809 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

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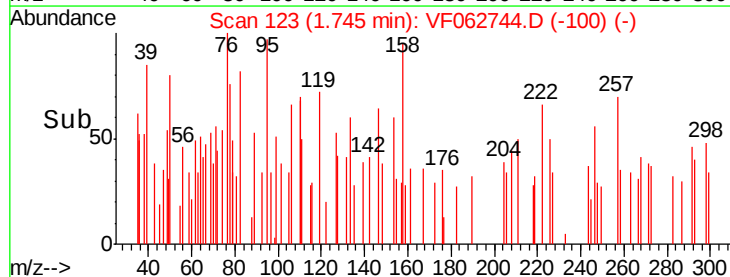
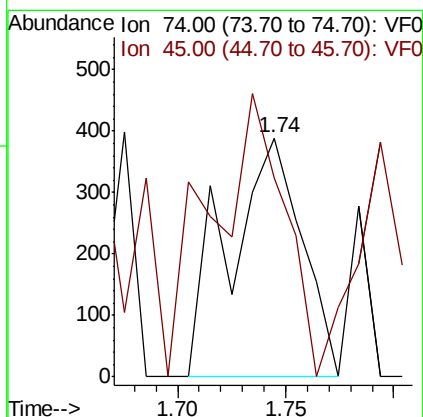
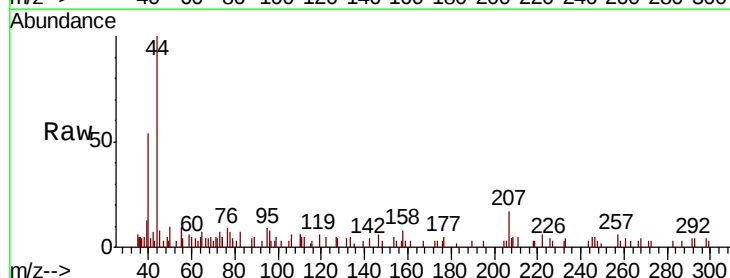
Tot Ion:101 Resp: 136
Ion Ratio Lower Upper
101 100
103 0.0 47.3 70.9#

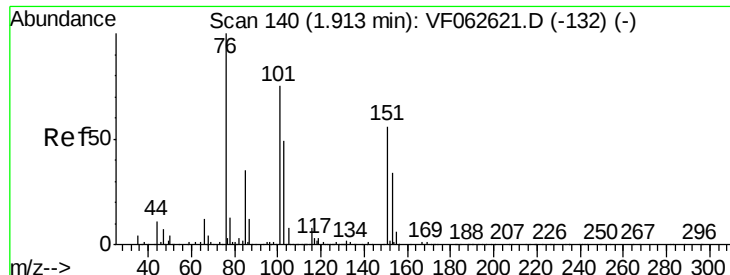


#8

Diethyl Ether
Concen: 705.934 ug/l
RT: 1.74 min Scan# 123
Delta R.T. 0.03 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 74 Resp: 914
Ion Ratio Lower Upper
74 100
45 83.3 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.858 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

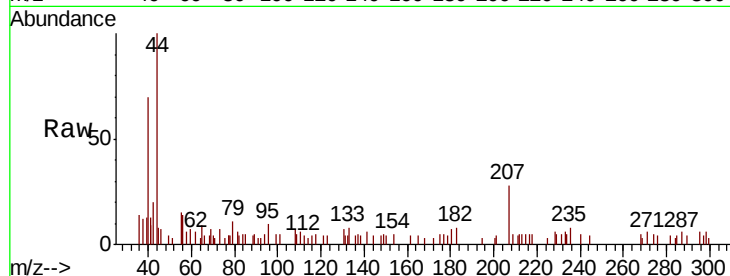
Tot Ion:101 Resp: 195

Ion Ratio Lower Upper

101 100

85 106.7 37.1 55.7#

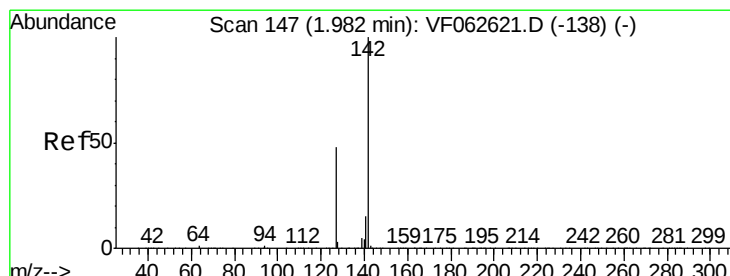
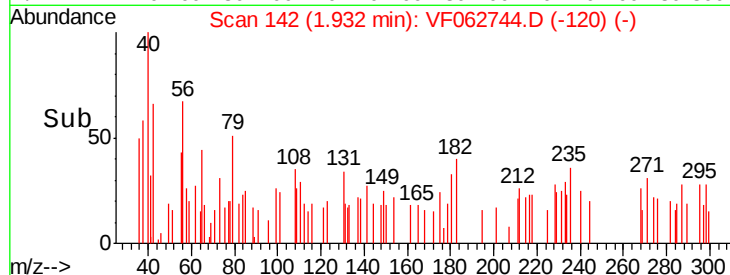
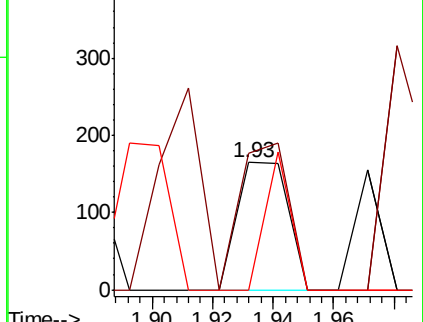
151 0.0 58.8 88.2#



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: 43.548 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

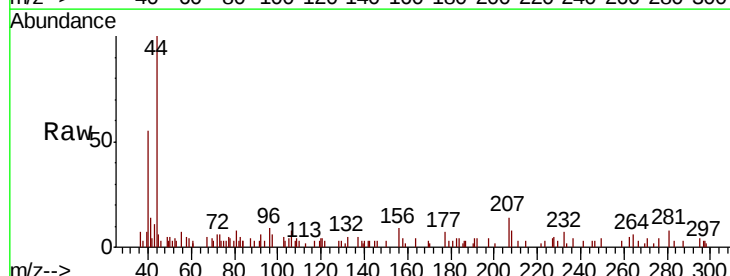
Tgt Ion:142 Resp: 356

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

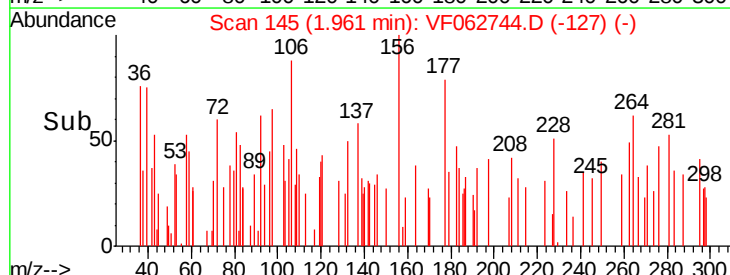
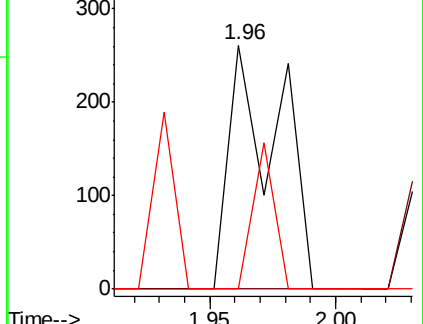
141 50.6 11.7 17.5#

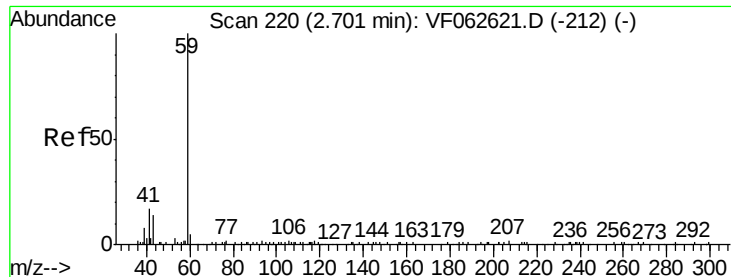


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

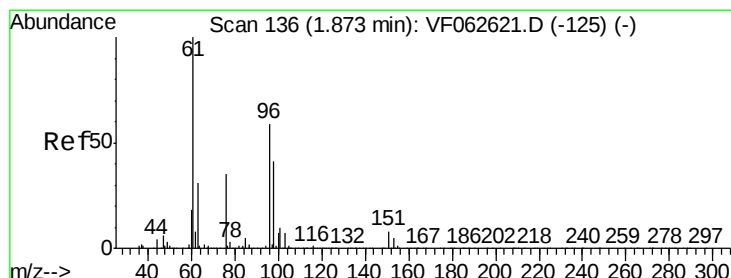
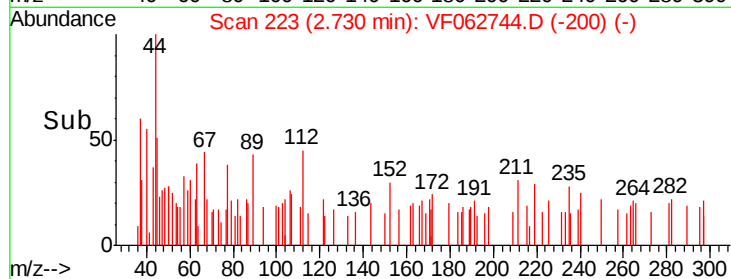
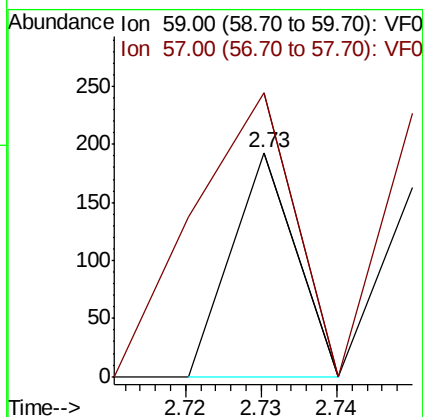
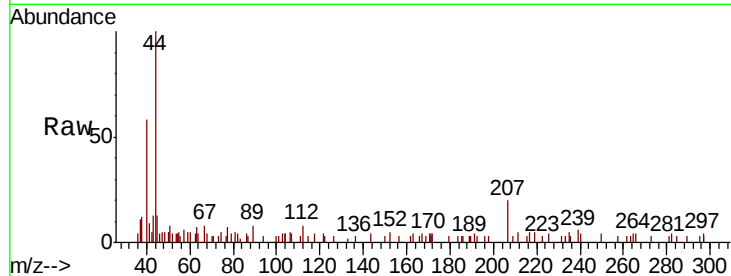




#11
Tert butyl alcohol
Concen: 579.039 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.03 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

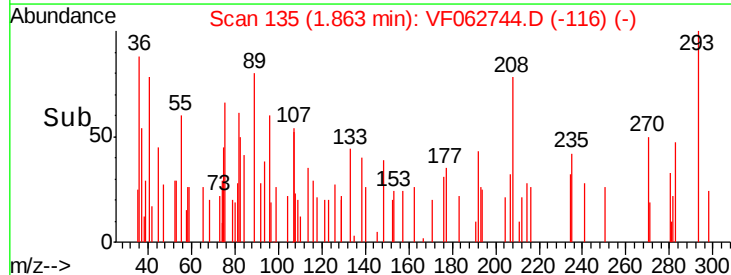
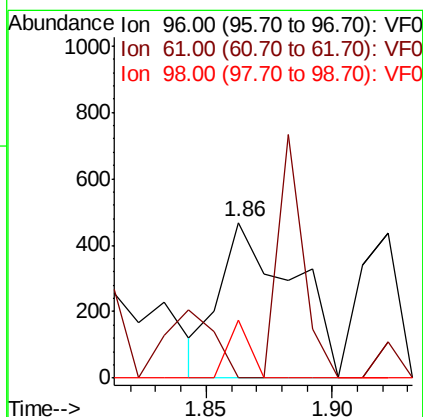
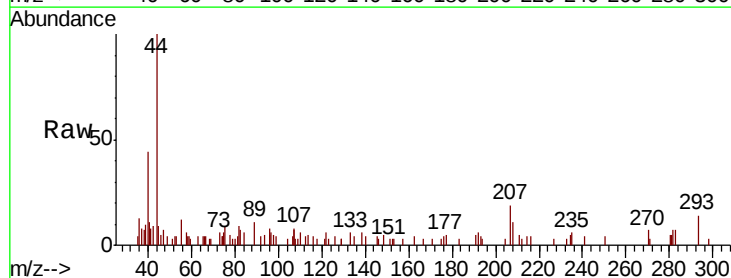
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

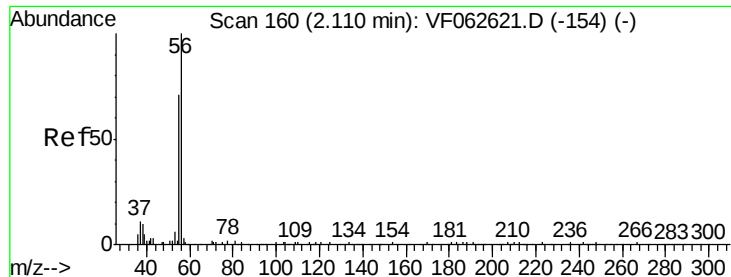
Tot Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
57 126.4 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 250.334 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 96 Resp: 949
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 37.1 55.0 82.6#





#13

Acrolein

Concen: 4272.242 ug/l

RT: 2.02 min Scan# 151

Delta R.T. -0.09 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

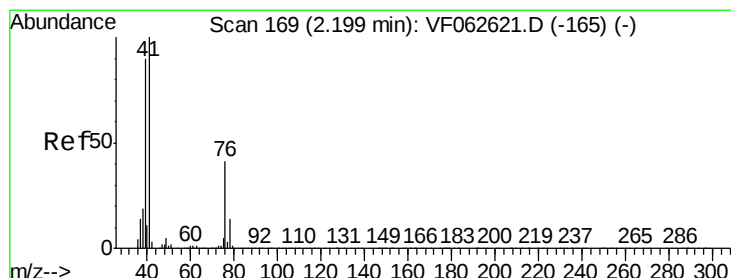
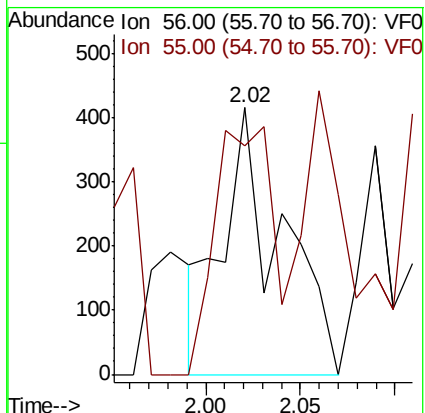
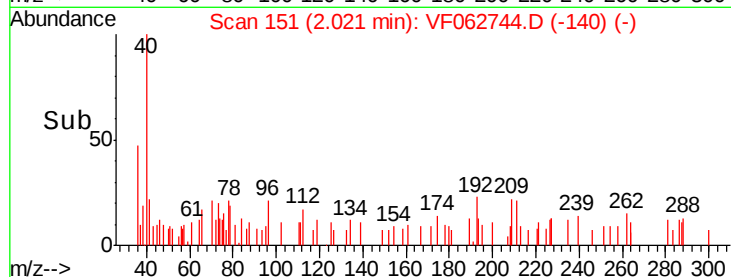
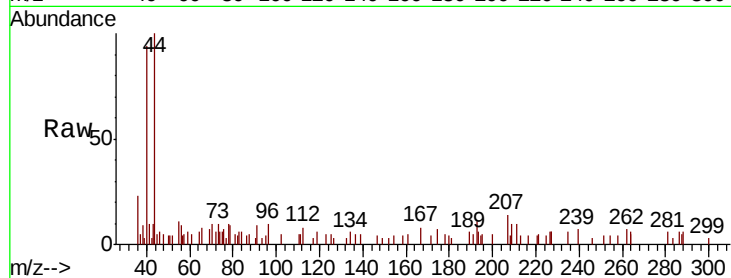
OR-03-052319-A

Tot Ion: 56 Resp: 878

Ion Ratio Lower Upper

56 100

55 85.5 59.4 89.0



#14

Allyl chloride

Concen: 277.469 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

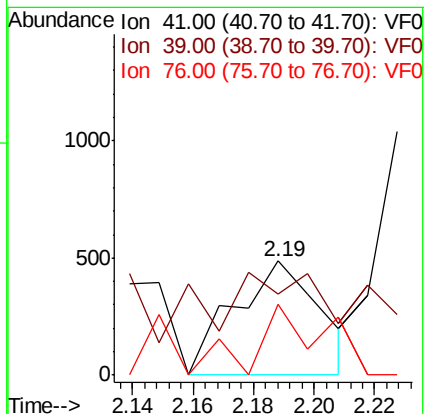
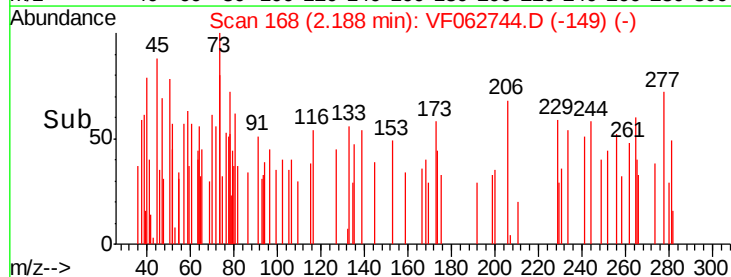
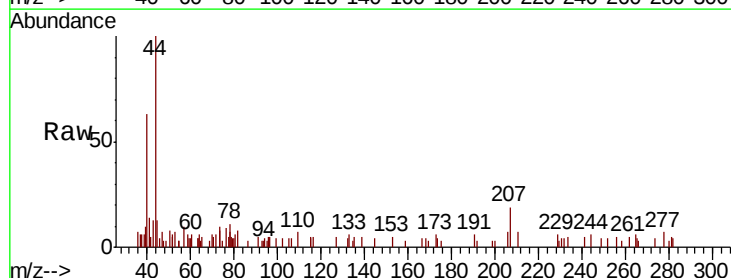
Tgt Ion: 41 Resp: 952

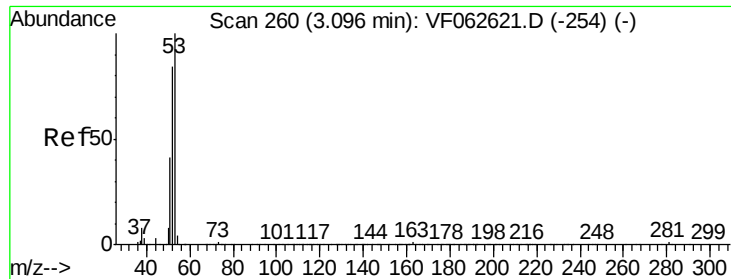
Ion Ratio Lower Upper

41 100

39 70.5 72.0 108.0#

76 61.7 34.8 52.2#





#15

Acrylonitrile

Concen: 340.321 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

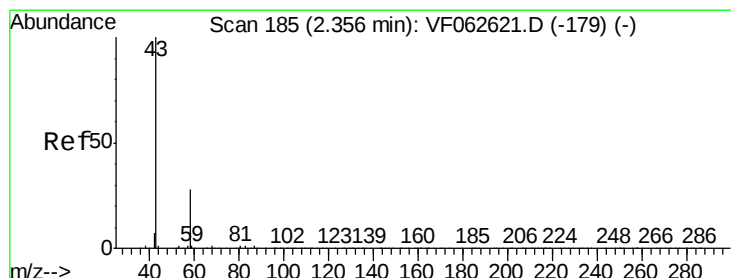
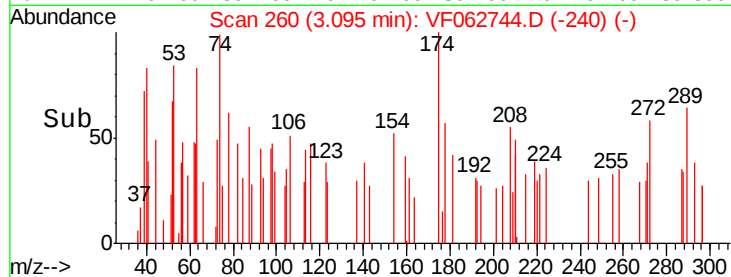
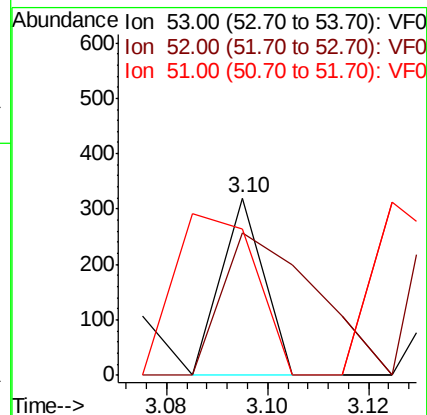
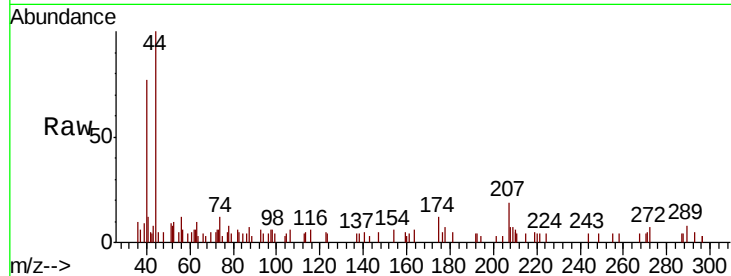
Tot Ion: 53 Resp: 189

Ion Ratio Lower Upper

53 100

52 80.3 67.3 100.9

51 163.1 33.0 49.6#



#16

Acetone

Concen: 1317.146 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.03 min

Lab File: VF062744.D

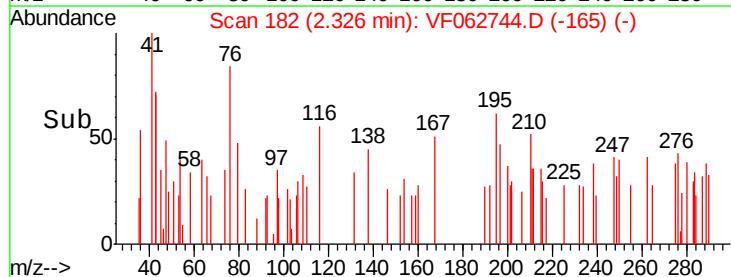
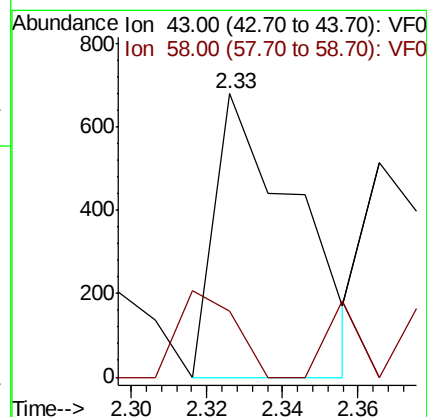
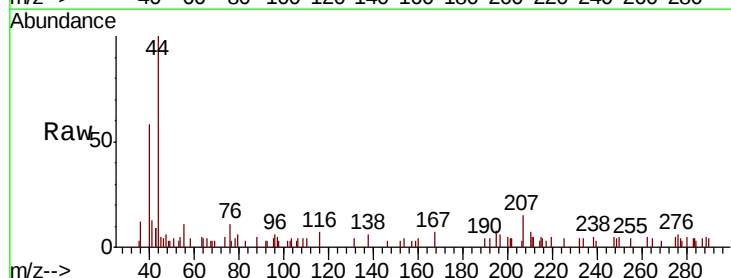
Acq: 24 May 2019 13:46

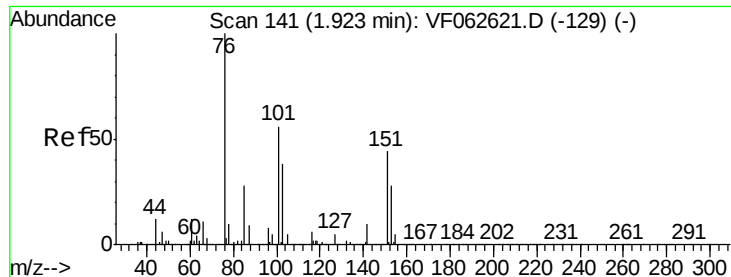
Tgt Ion: 43 Resp: 1019

Ion Ratio Lower Upper

43 100

58 23.5 22.6 33.8





#17

Carbon Disulfide

Concen: 15.753 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.03 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

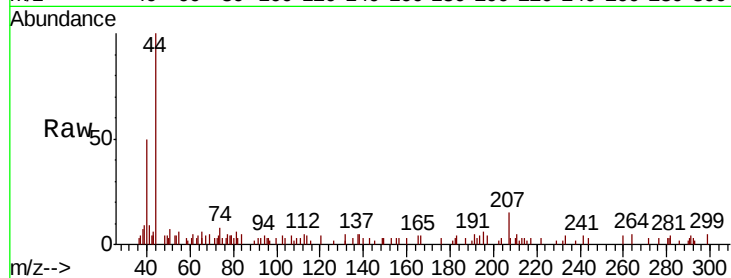
OR-03-052319-A

Tot Ion: 76 Resp: 177

Ion Ratio Lower Upper

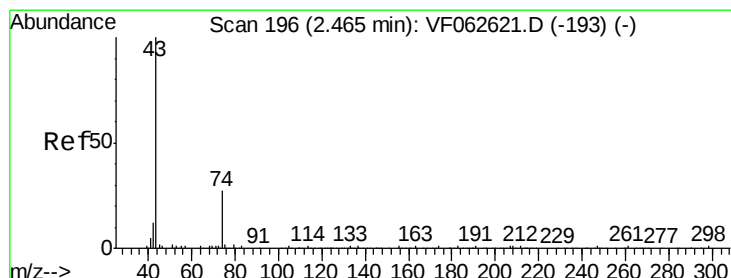
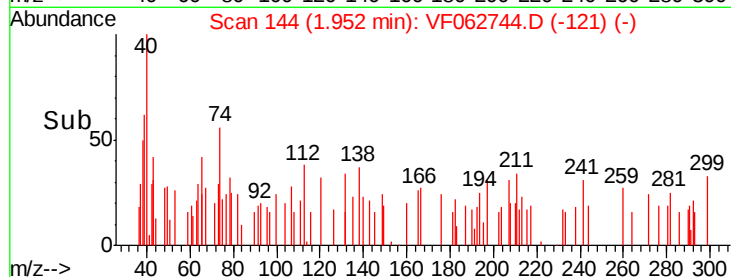
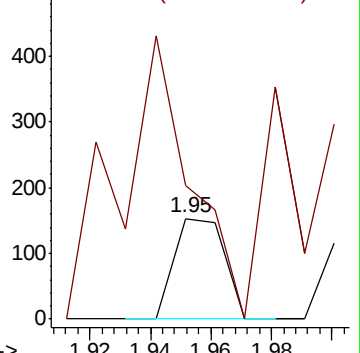
76 100

78 133.3 8.4 12.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 838.181 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.14 min

Lab File: VF062744.D

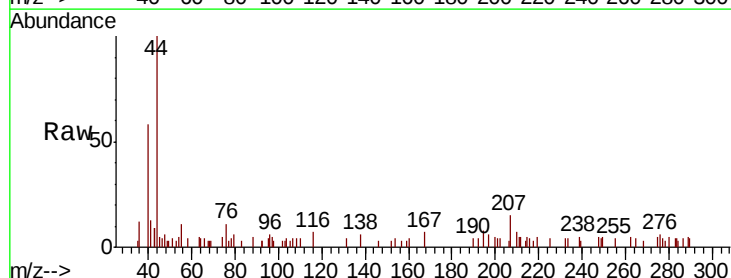
Acq: 24 May 2019 13:46

Tgt Ion: 43 Resp: 1019

Ion Ratio Lower Upper

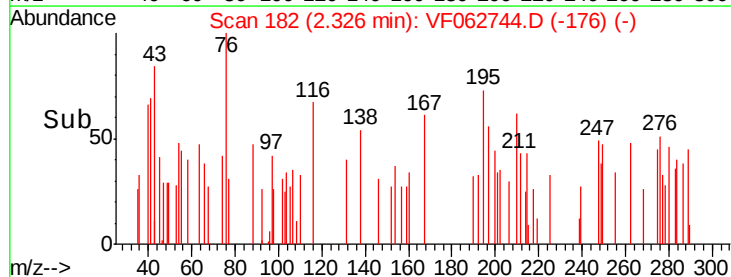
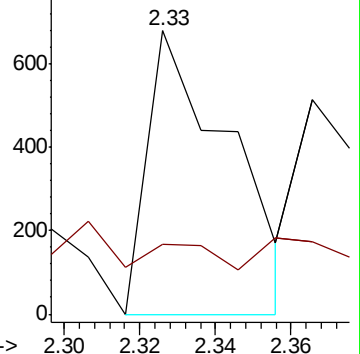
43 100

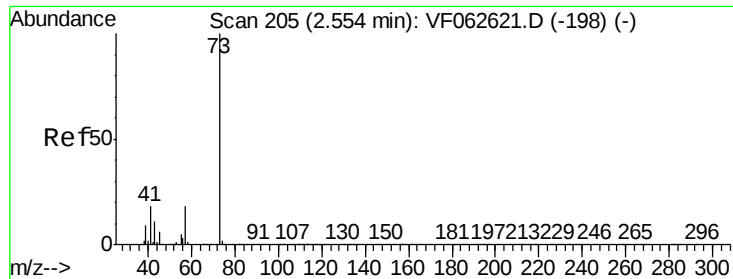
74 24.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

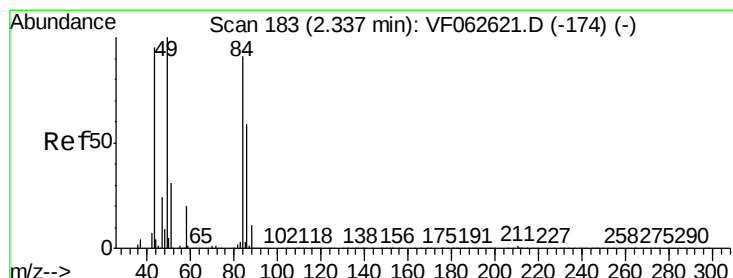
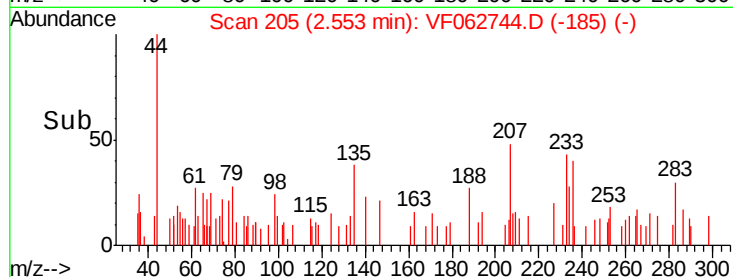
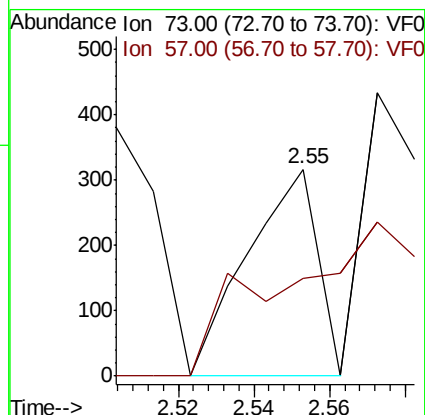
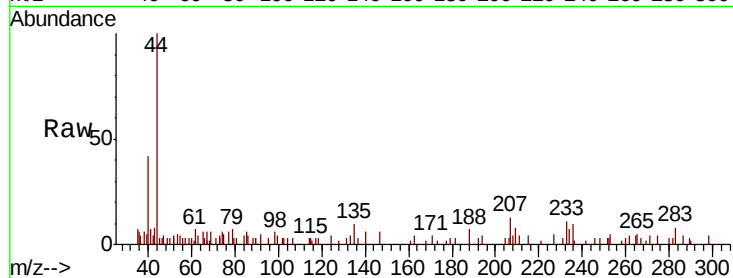




#19
Methyl tert-butyl Ether
Concen: 60.057 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

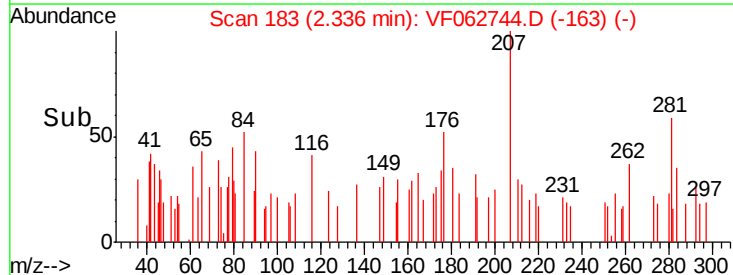
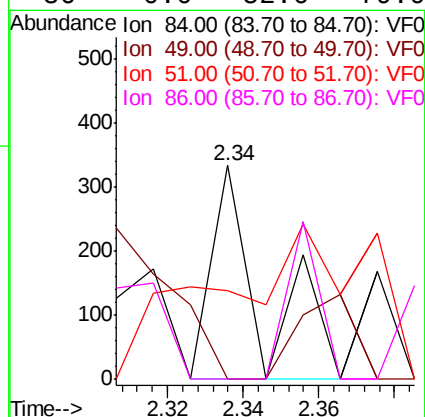
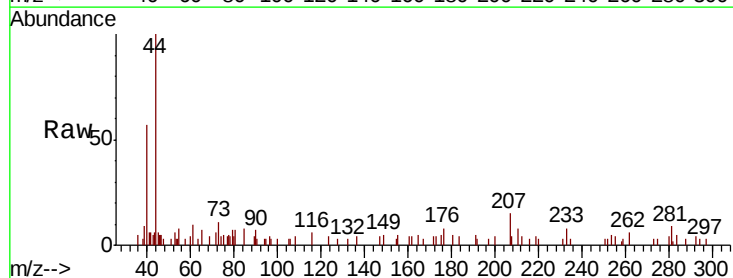
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

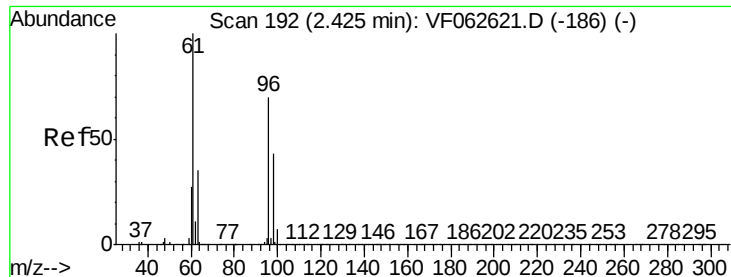
Tot Ion: 73 Resp: 407
Ion Ratio Lower Upper
73 100
57 47.0 14.2 21.4#



#20
Methylene Chloride
Concen: 80.199 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 84 Resp: 311
Ion Ratio Lower Upper
84 100
49 0.0 89.8 134.8#
51 41.1 28.4 42.6
86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 298.218 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

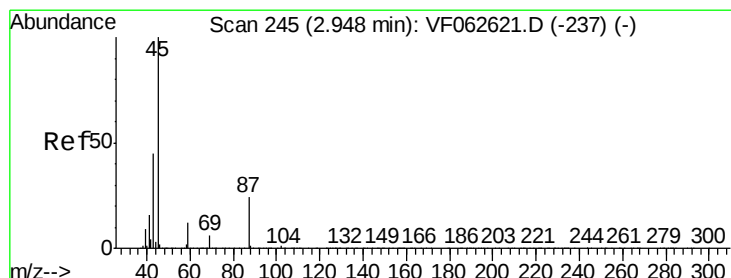
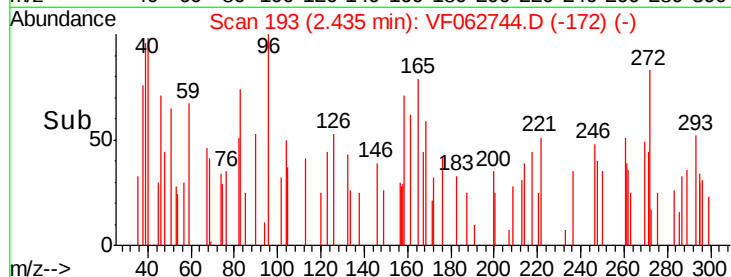
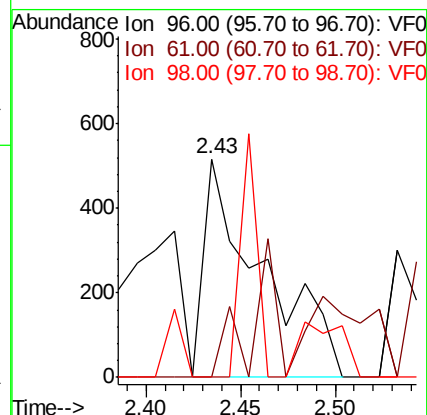
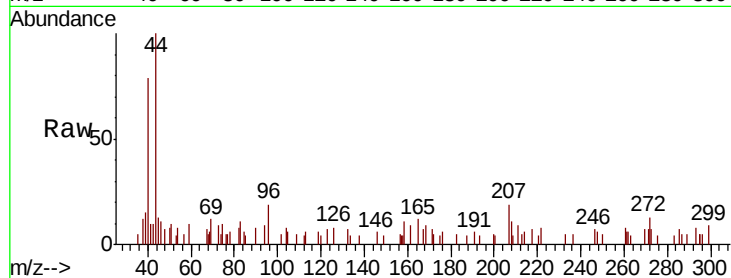
Tot Ion: 96 Resp: 1105

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 0.0 49.5 74.3#



#22

Diisopropyl ether

Concen: 77.049 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Tgt Ion: 45 Resp: 652

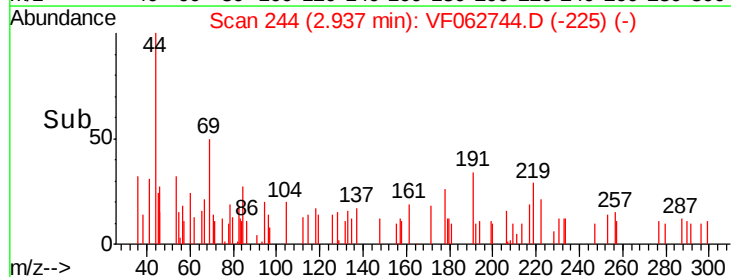
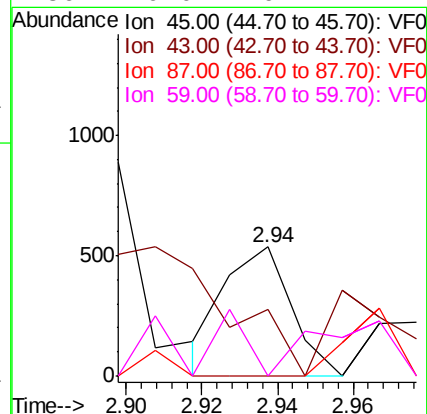
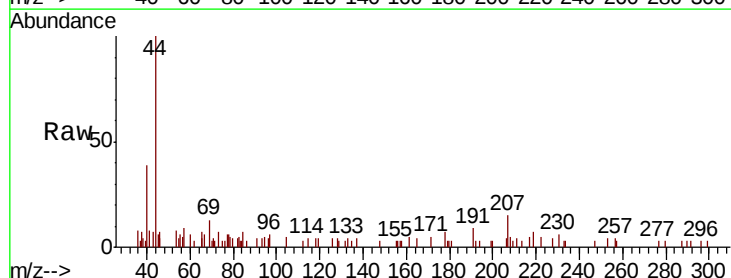
Ion Ratio Lower Upper

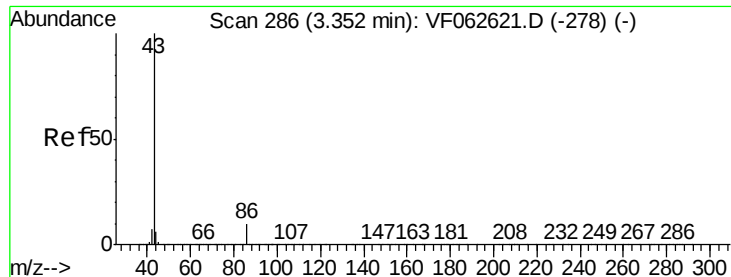
45 100

43 51.7 36.4 54.6

87 0.0 19.3 28.9#

59 0.0 9.4 14.2#





#23

Vinyl Acetate

Concen: 270.480 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

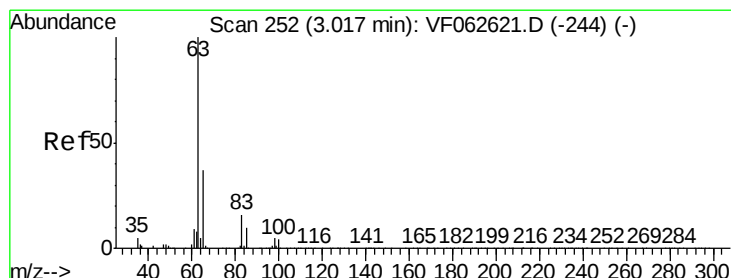
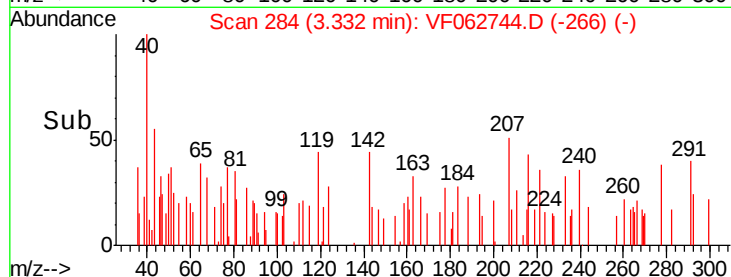
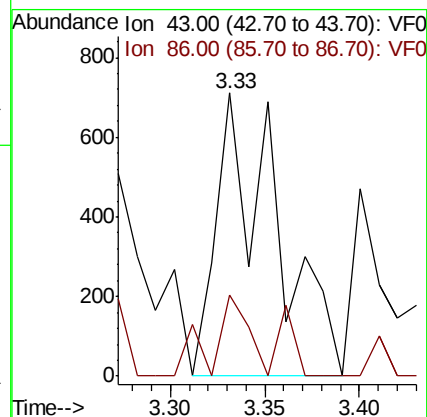
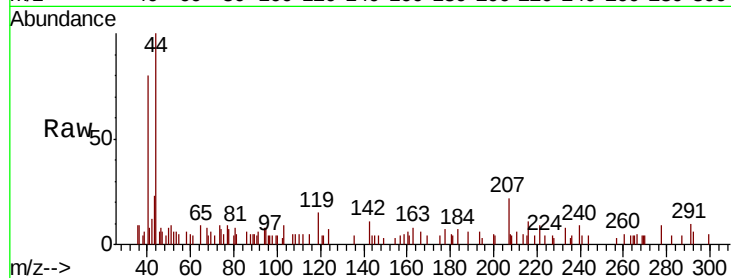
OR-03-052319-A

Tot Ion: 43 Resp: 1544

Ion Ratio Lower Upper

43 100

86 28.6 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 30.606 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

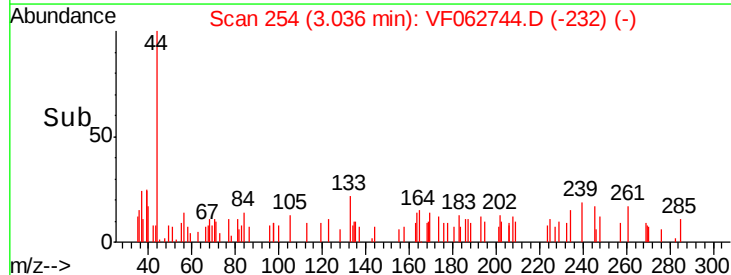
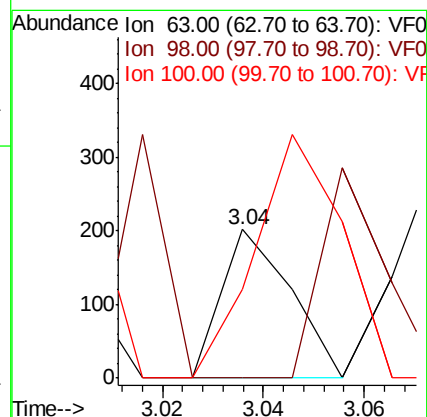
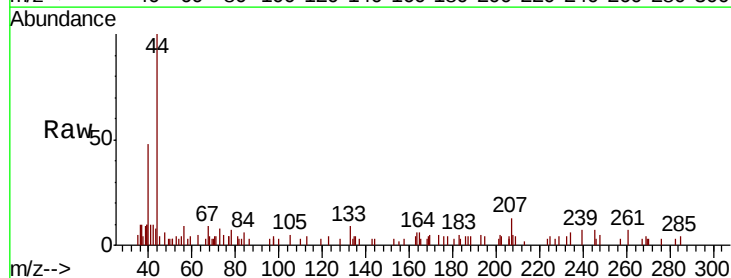
Tgt Ion: 63 Resp: 190

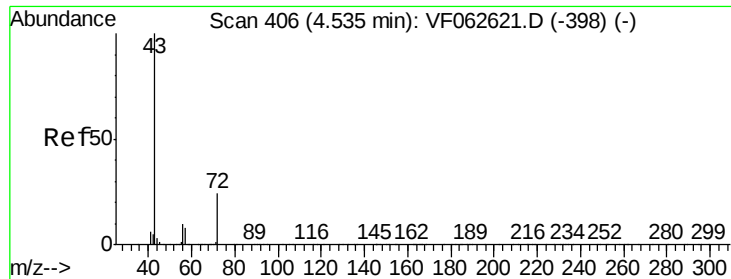
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 59.9 1.9 5.7#





#25

2-Butanone

Concen: 549.948 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

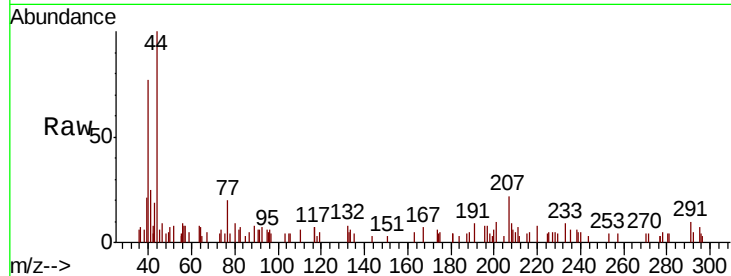
OR-03-052319-A

Tot Ion: 43 Resp: 909

Ion Ratio Lower Upper

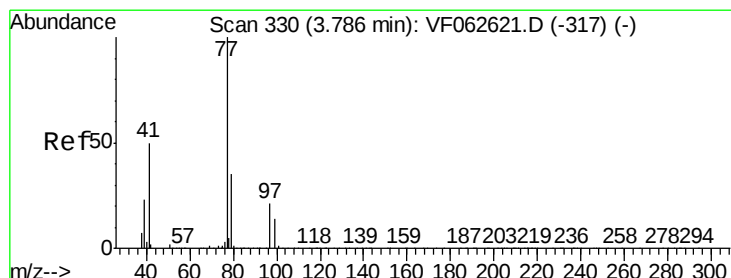
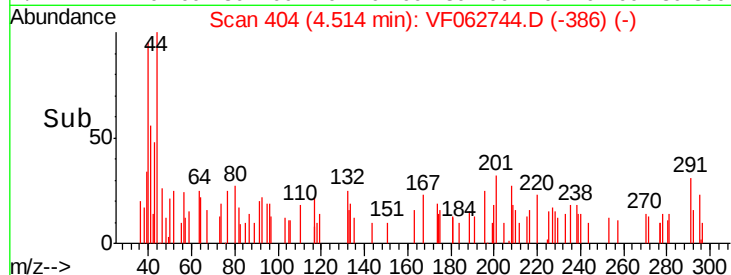
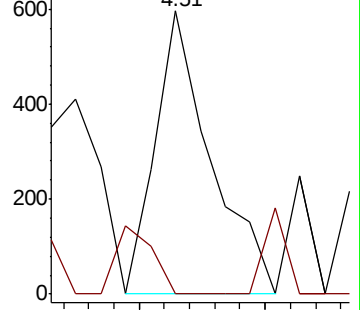
43 100

72 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 209.746 ug/l

RT: 3.81 min Scan# 333

Delta R.T. 0.03 min

Lab File: VF062744.D

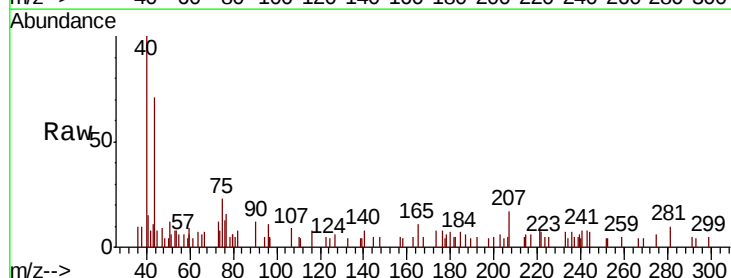
Acq: 24 May 2019 13:46

Tgt Ion: 77 Resp: 745

Ion Ratio Lower Upper

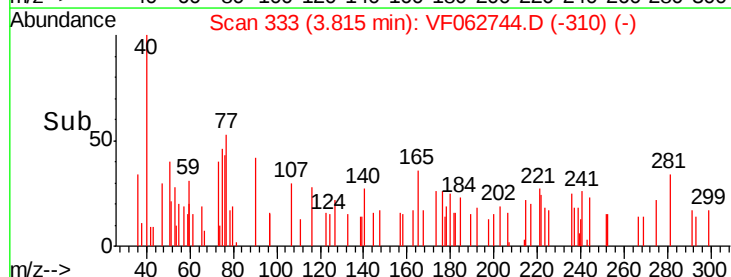
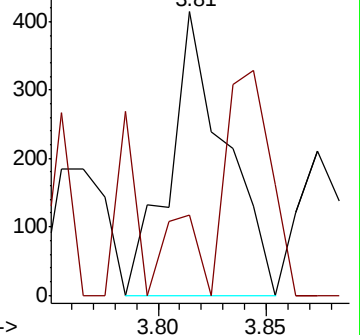
77 100

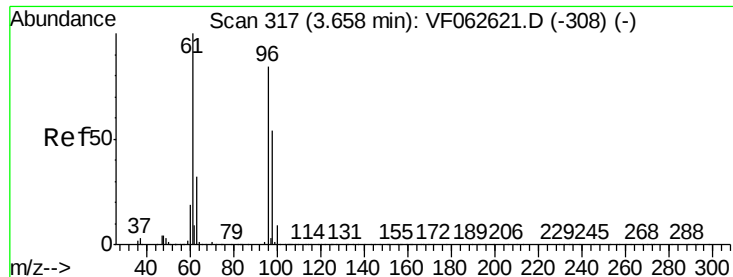
97 28.3 14.1 42.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

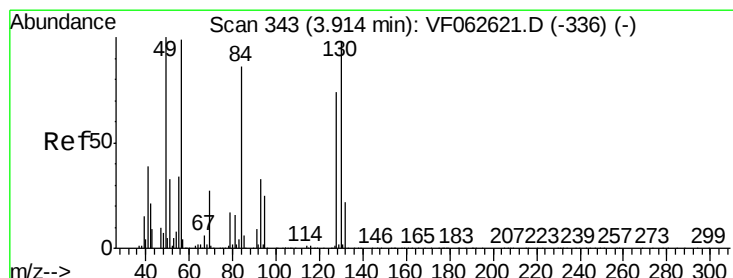
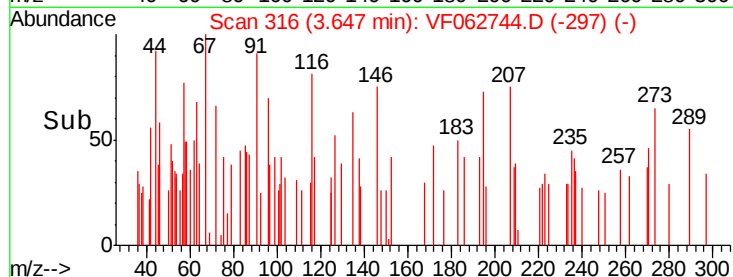
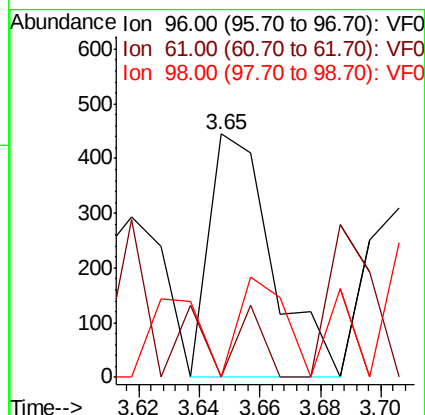
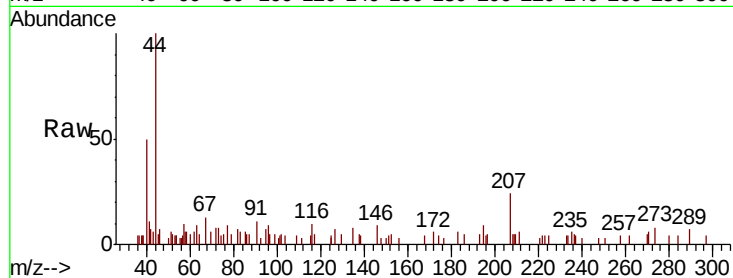




#27
 cis-1,2-Dichloroethene
 Concen: 105.990 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

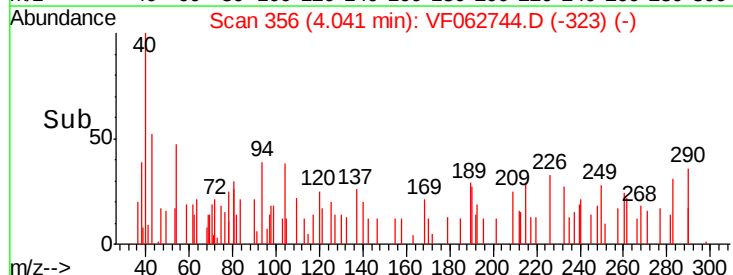
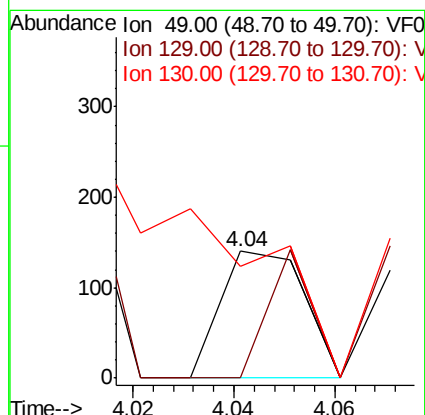
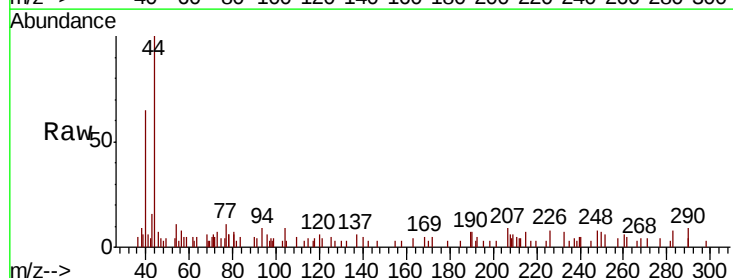
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

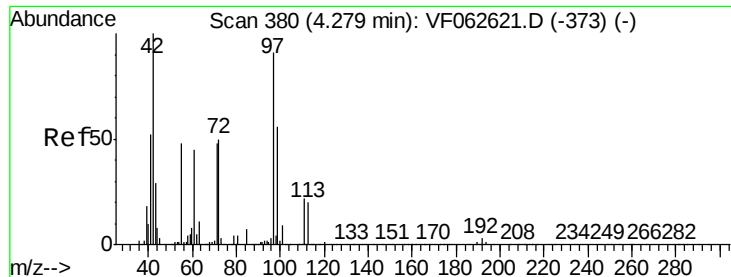
Tot Ion:	96	Resp:	646
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	237.4
98	0.0	0.0	129.0



#28
 Bromochloromethane
 Concen: 45.955 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.13 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion:	49	Resp:	160
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	87.9	77.8	116.8





#29

Tetrahydrofuran

Concen: 1109.343 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

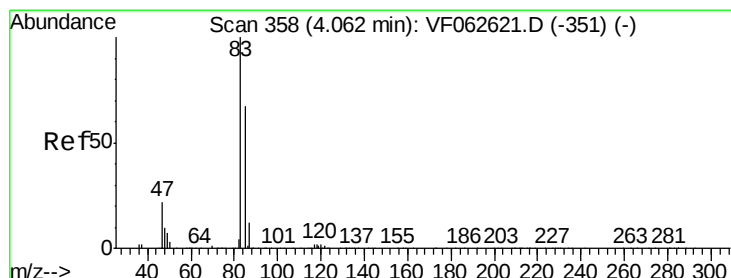
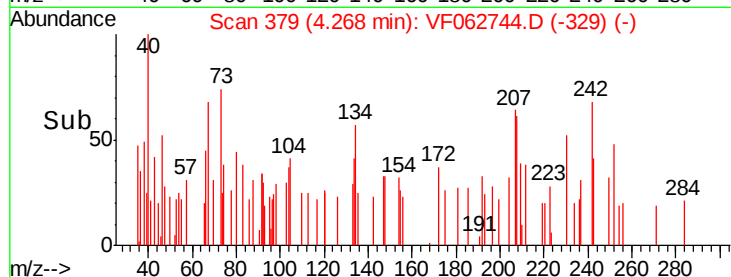
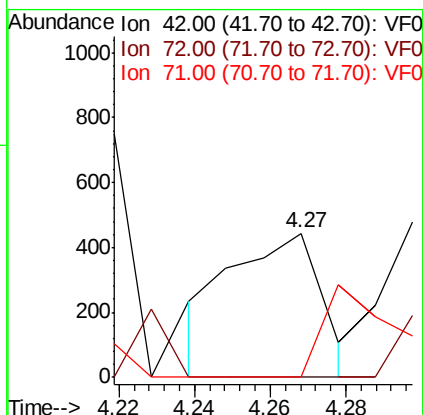
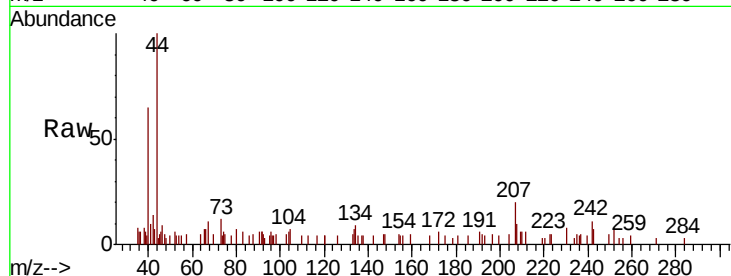
Tot Ion: 42 Resp: 742

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 47.4 35.8 53.6



#30

Chloroform

Concen: 30.978 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.01 min

Lab File: VF062744.D

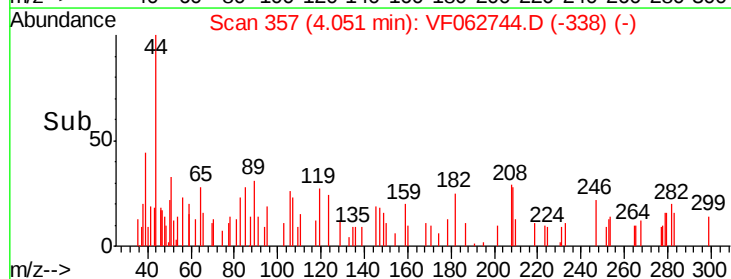
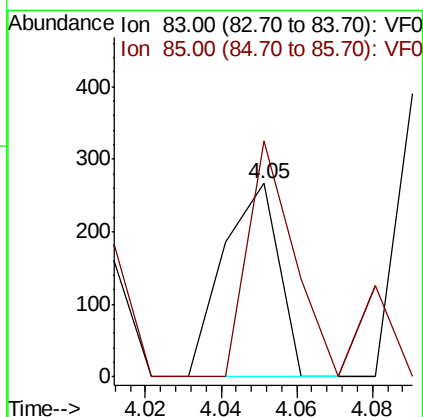
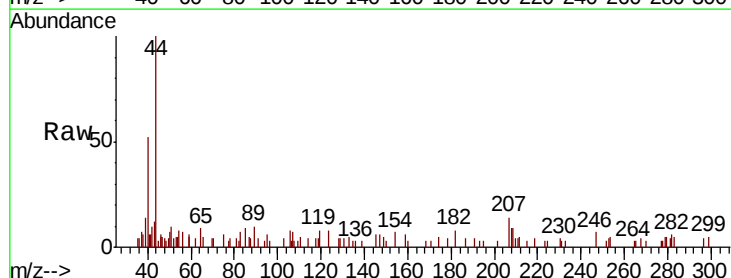
Acq: 24 May 2019 13:46

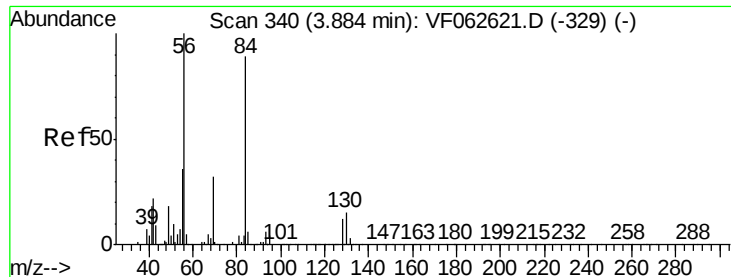
Tgt Ion: 83 Resp: 267

Ion Ratio Lower Upper

83 100

85 122.2 53.6 80.4#





#31

Cyclohexane

Concen: 47.509 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

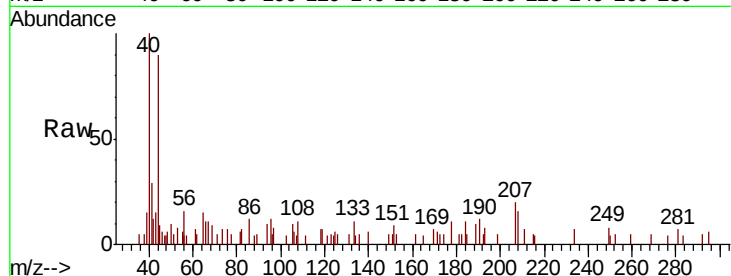
Tot Ion: 56 Resp: 396

Ion Ratio Lower Upper

56 100

69 43.3 25.3 37.9#

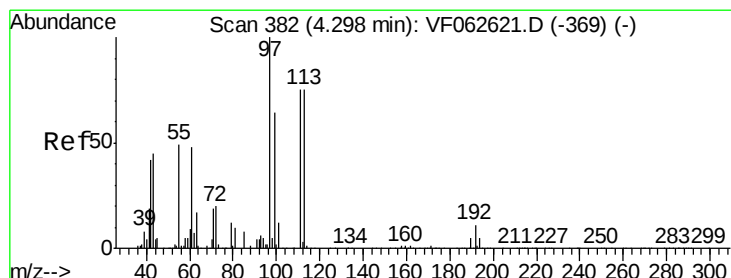
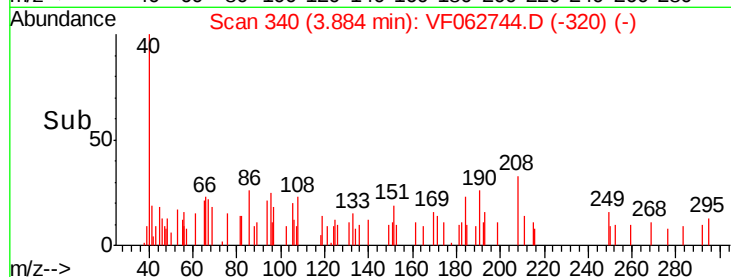
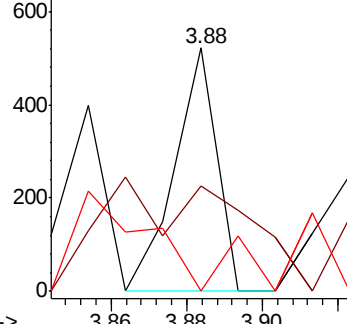
84 0.0 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 36.512 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

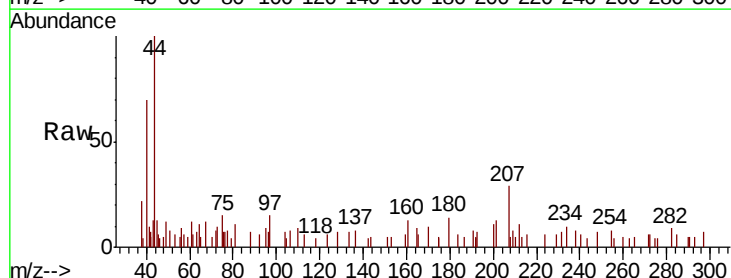
Tgt Ion: 97 Resp: 209

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

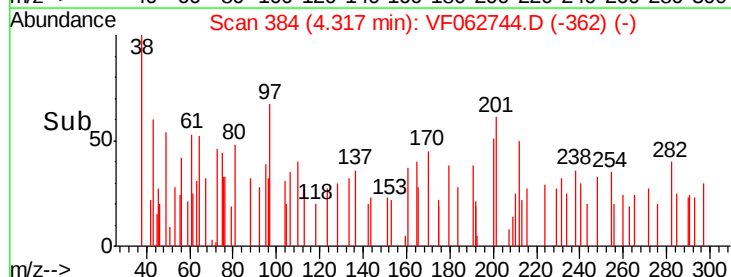
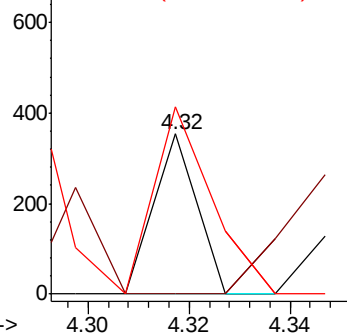
61 116.9 38.2 57.2#

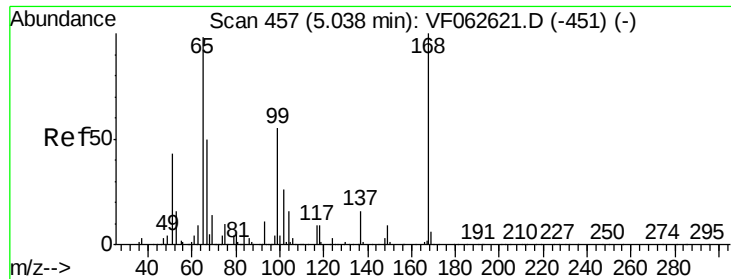


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 62.373 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

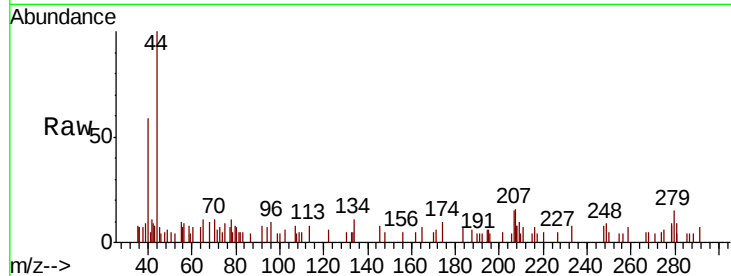
OR-03-052319-A

Tot Ion: 65 Resp: 186

Ion Ratio Lower Upper

65 100

67 0.0 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

300

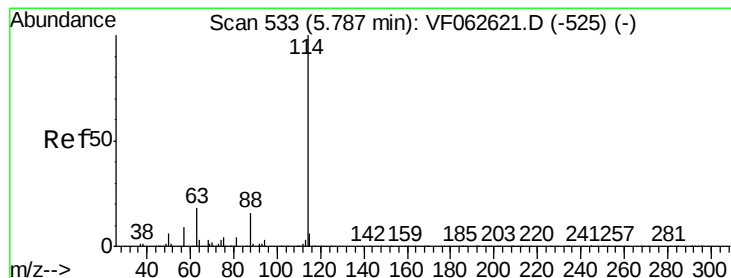
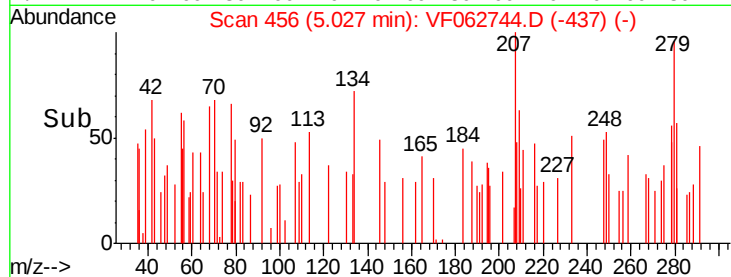
200

100

0

5.00 5.02 5.04 5.06

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

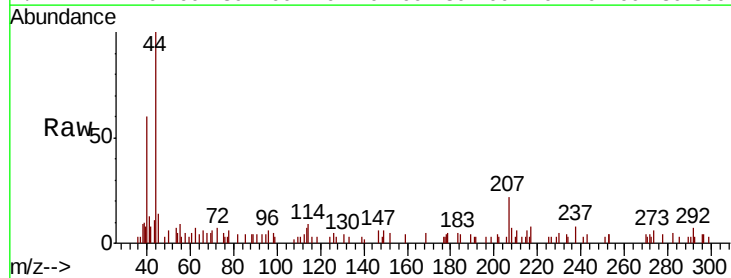
Tgt Ion: 114 Resp: 1175

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 27.0 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

800

600

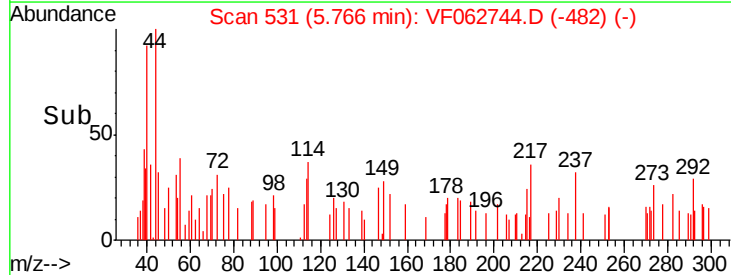
400

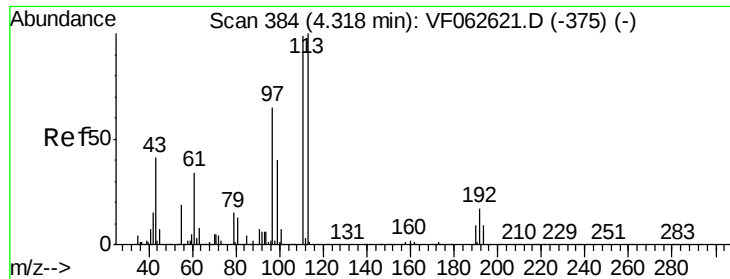
200

0

5.75 5.77 5.79 5.81 5.83 5.85

Time-->

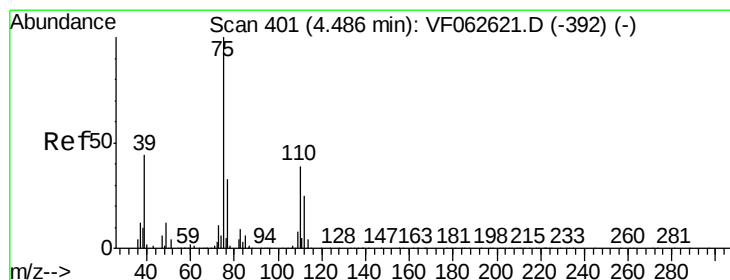
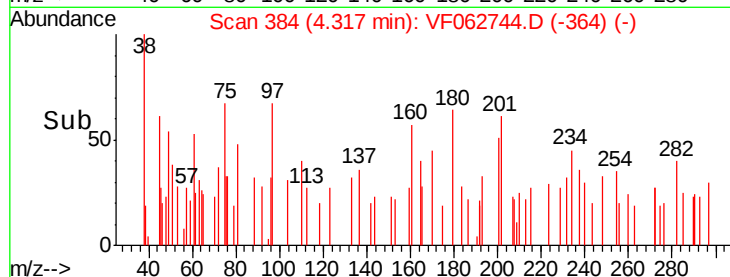
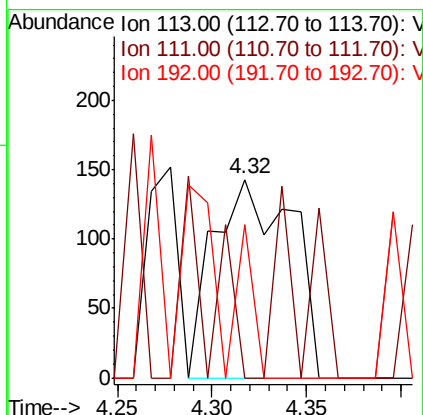
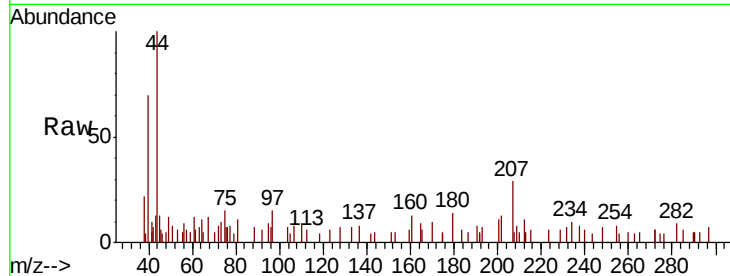




#35
 Dibromofluoromethane
 Concen: 45.934 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

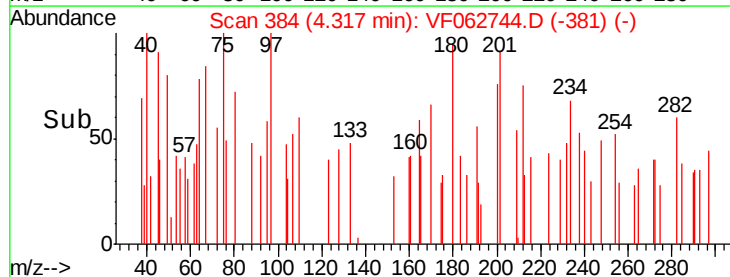
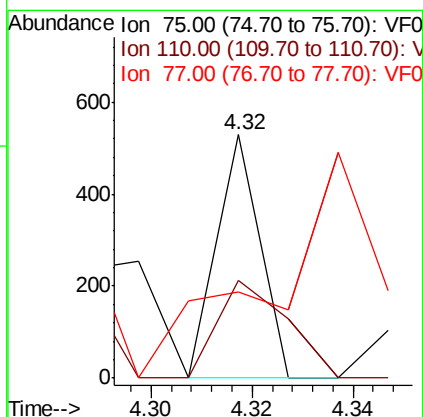
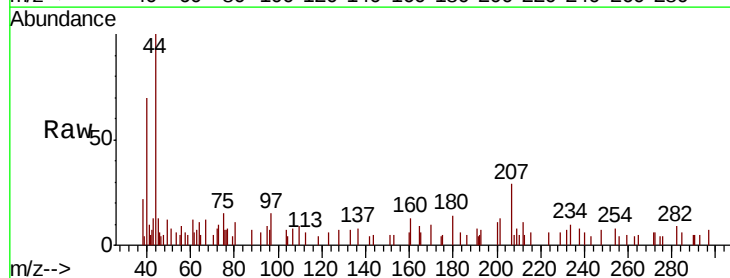
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

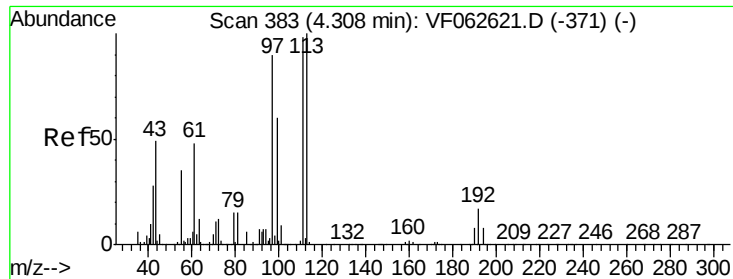
Tot Ion: 113 Resp: 413
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.4 119.2#
 192 76.9 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 25.996 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.17 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion: 75 Resp: 313
 Ion Ratio Lower Upper
 75 100
 110 40.1 19.7 59.1
 77 35.5 26.3 39.5

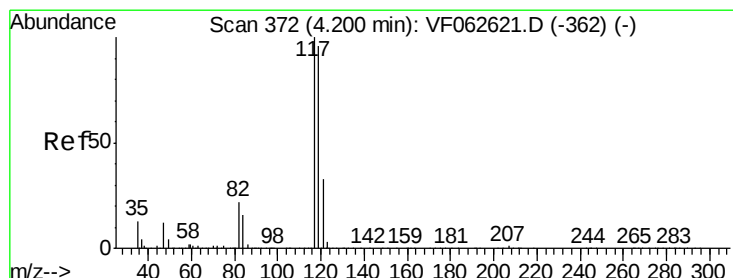
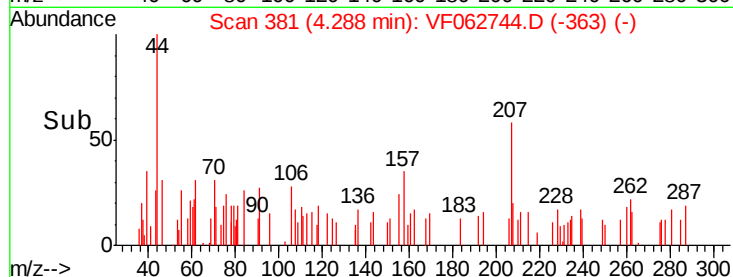
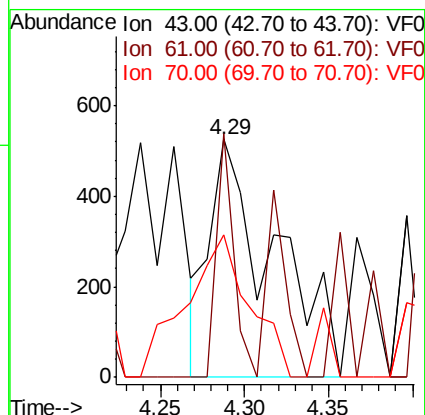
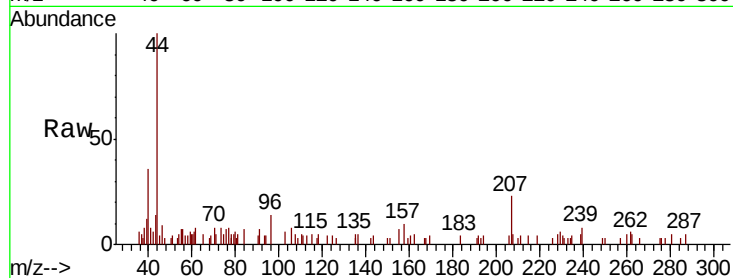




#37
Ethyl Acetate
Concen: 281.123 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

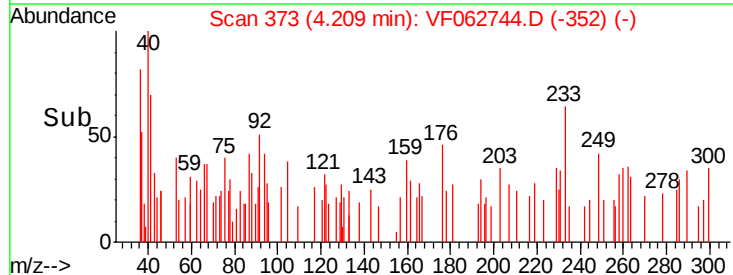
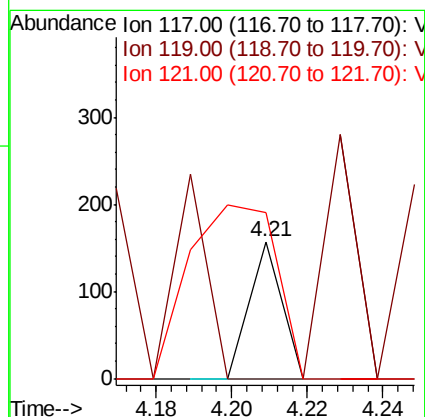
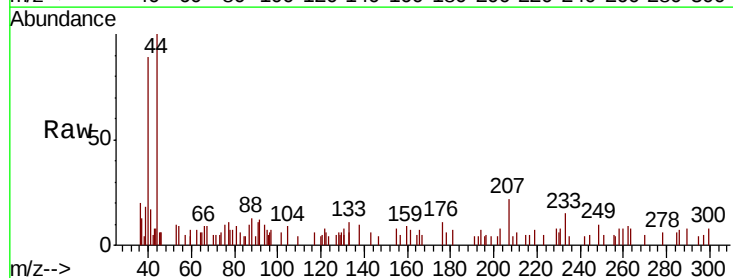
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

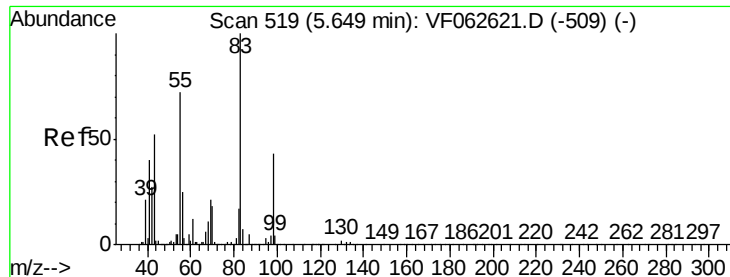
Tot Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
61 102.3 76.9 115.3
70 59.9 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 10.270 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 117 Resp: 93
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 121.7 26.6 40.0#

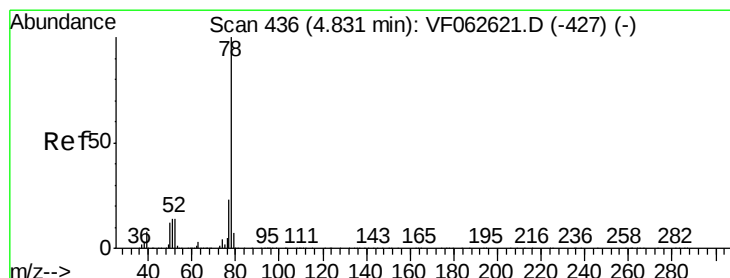
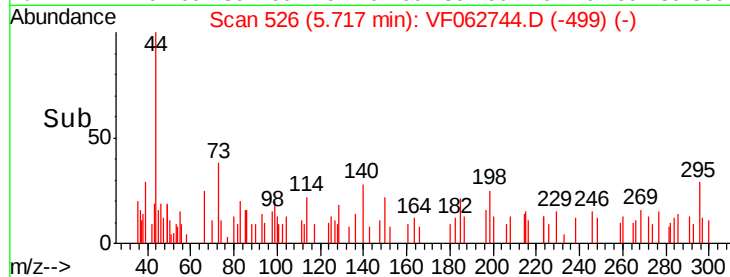
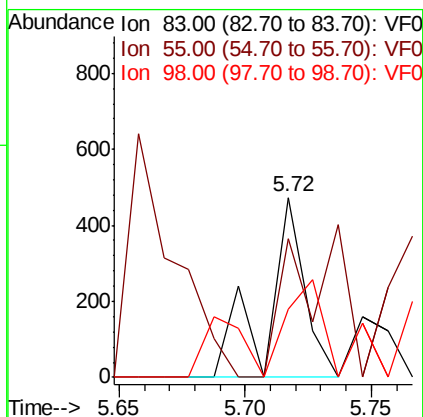
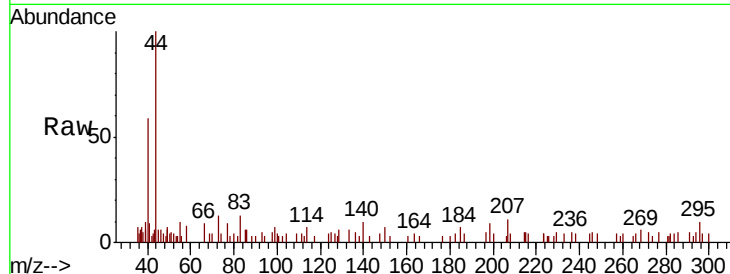




#39
Methylcyclohexane
Concen: 34.099 ug/l
RT: 5.72 min Scan# 526
Delta R.T. 0.07 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

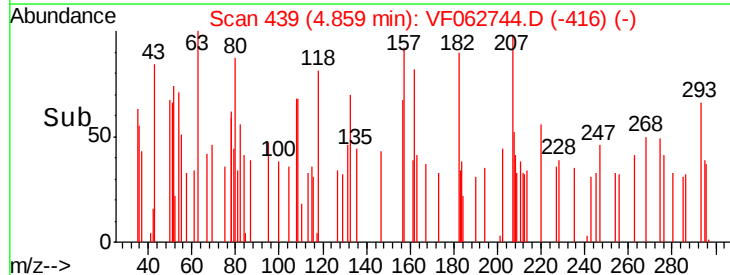
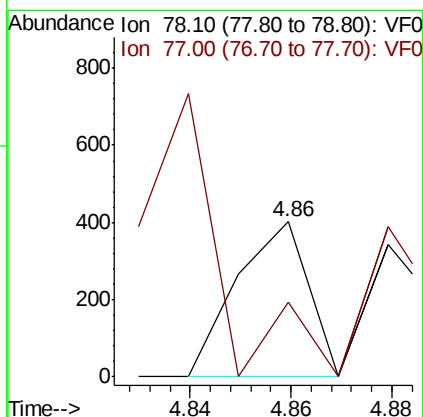
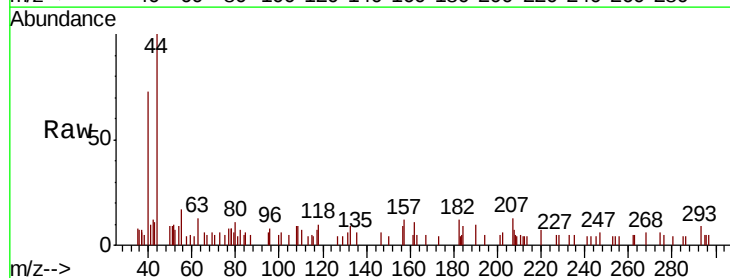
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

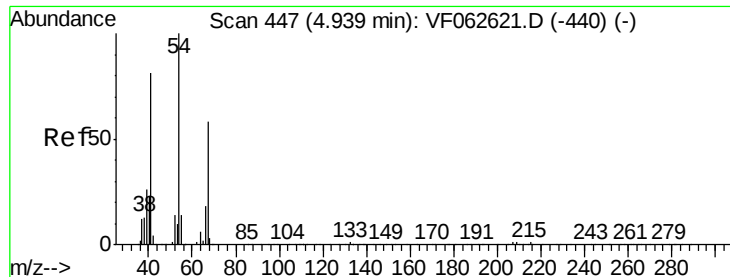
Tot Ion: 83 Resp: 494
Ion Ratio Lower Upper
83 100
55 77.0 57.9 86.9
98 38.3 34.6 52.0



#40
Benzene
Concen: 12.012 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.03 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 78 Resp: 394
Ion Ratio Lower Upper
78 100
77 48.4 18.2 27.2#





#41

Methacrylonitrile

Concen: 156.752 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

Tot Ion: 41 Resp: 404

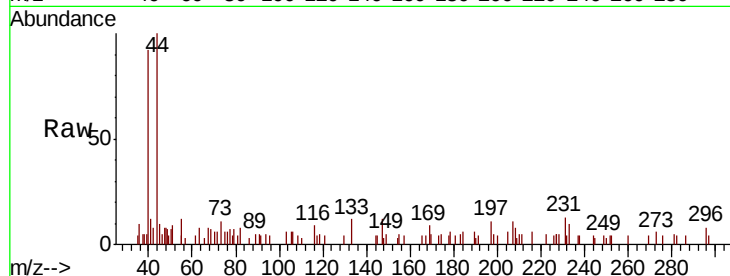
Ion Ratio Lower Upper

41 100

39 41.3 42.2 63.2#

67 61.2 56.4 84.6

52 0.0 38.8 58.2#

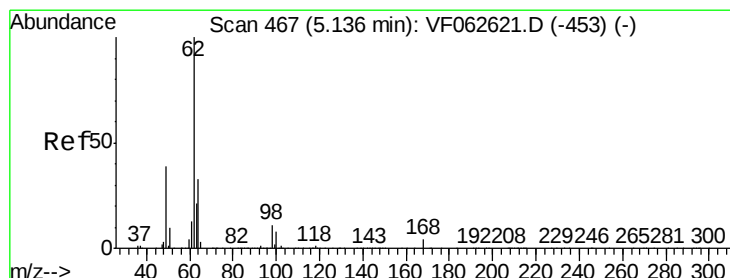
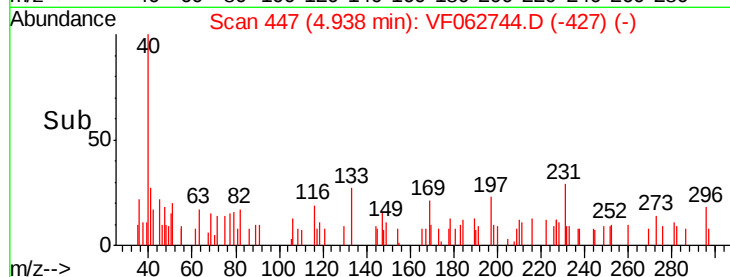
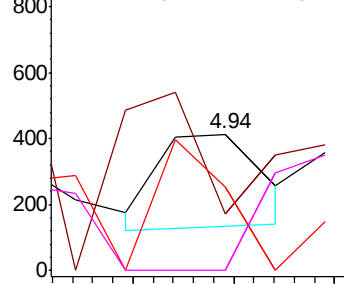


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 63.446 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.06 min

Lab File: VF062744.D

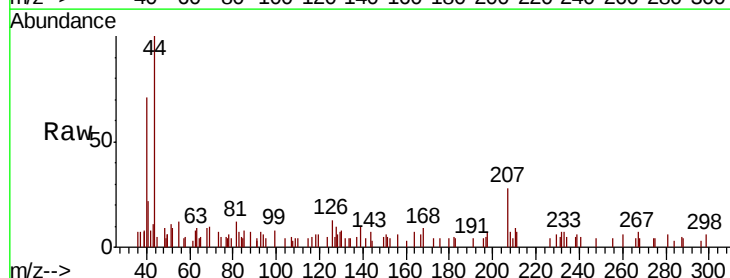
Acq: 24 May 2019 13:46

Tgt Ion: 62 Resp: 415

Ion Ratio Lower Upper

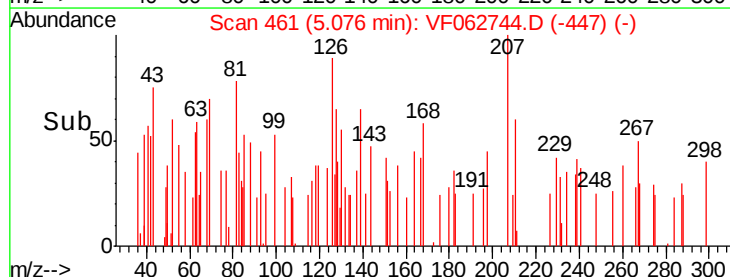
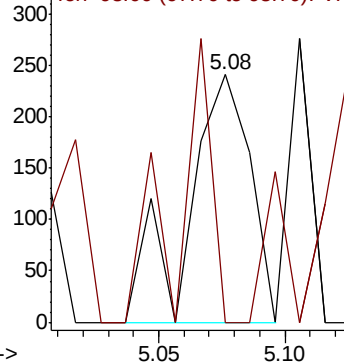
62 100

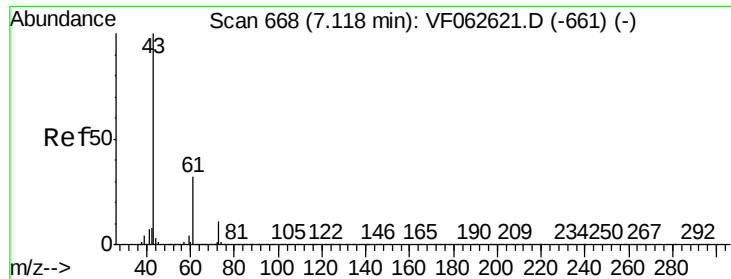
98 0.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



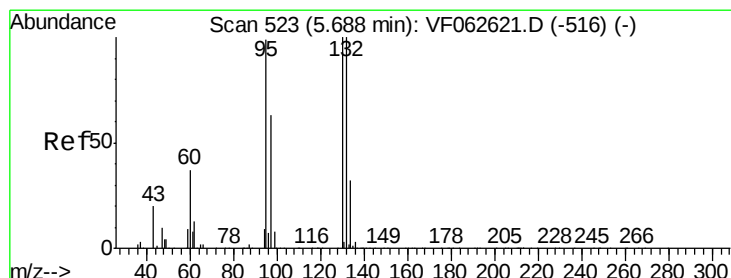
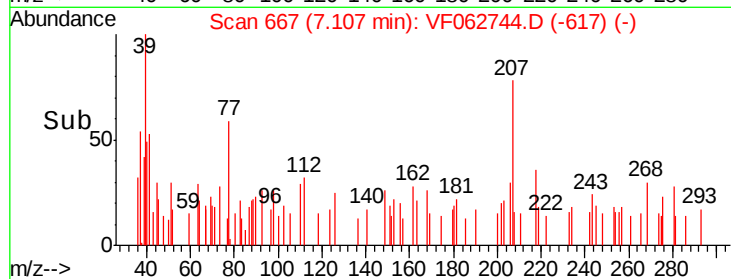
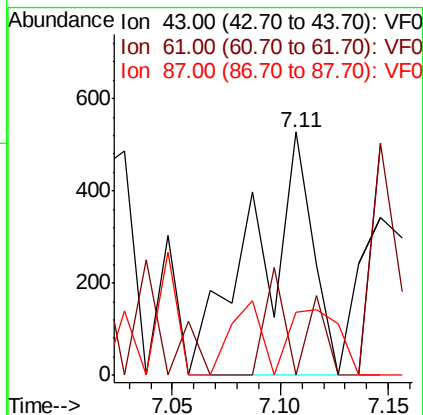
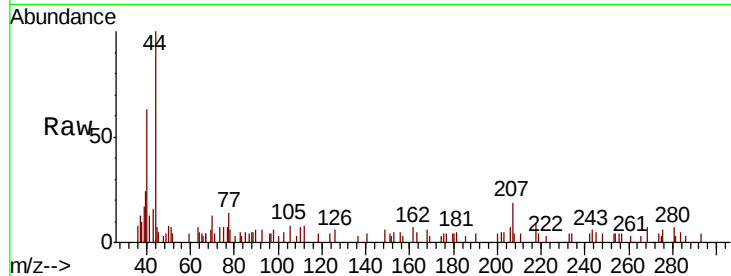


#43

Isopropyl Acetate
 Concen: 151.361 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

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

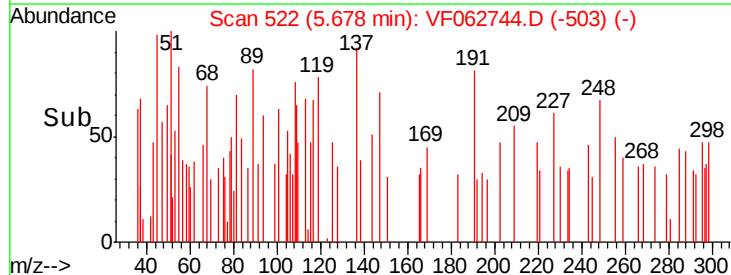
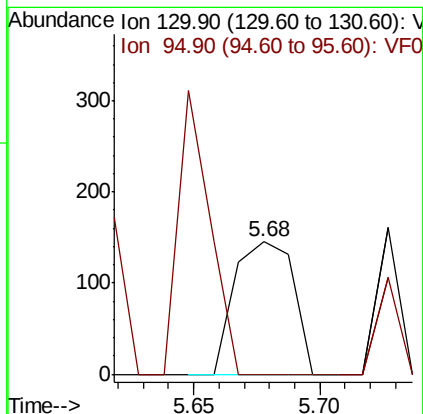
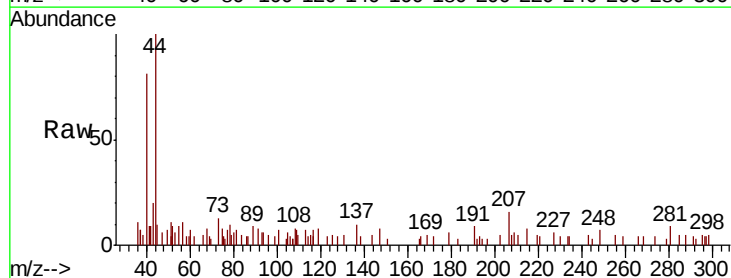
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.8#
87	26.1	0.4	0.6#

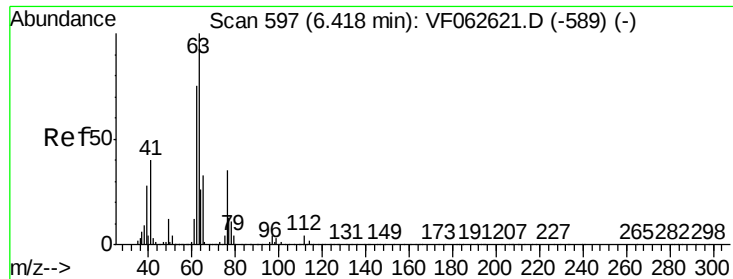


#44

Trichloroethene
 Concen: 25.708 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	0.0	0.0	199.4

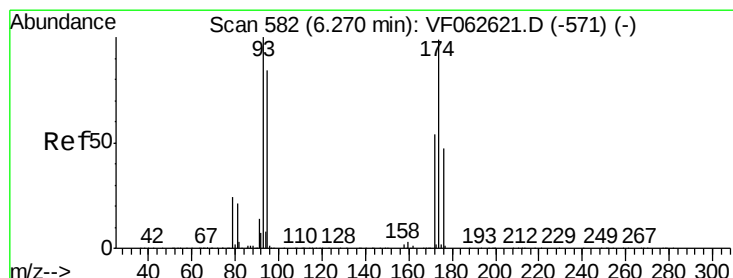
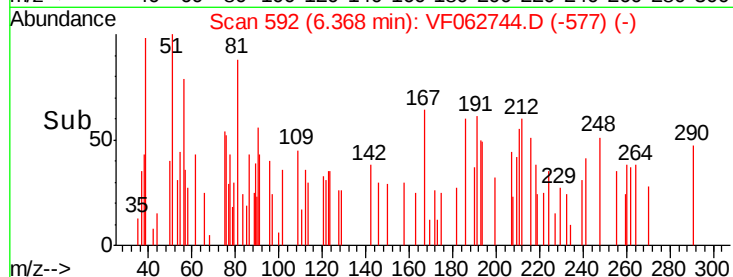
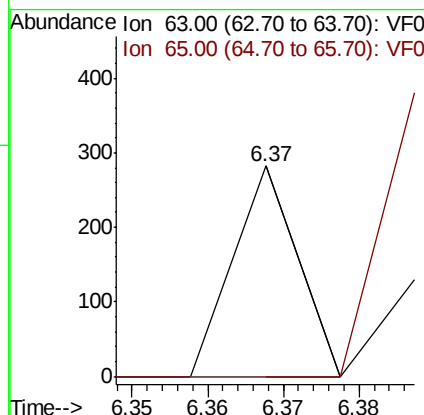
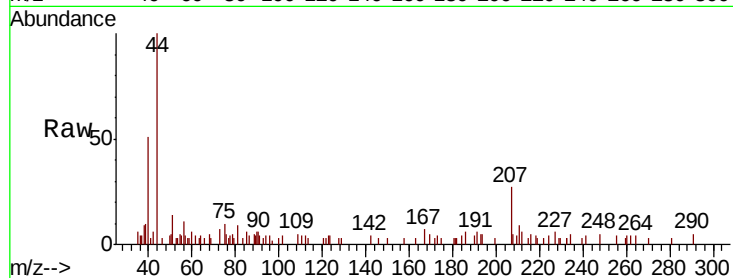




#45
 1,2-Dichloropropane
 Concen: 20.169 ug/l
 RT: 6.37 min Scan# 592
 Delta R.T. -0.05 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

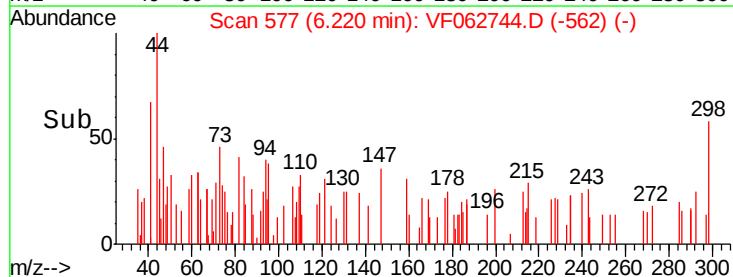
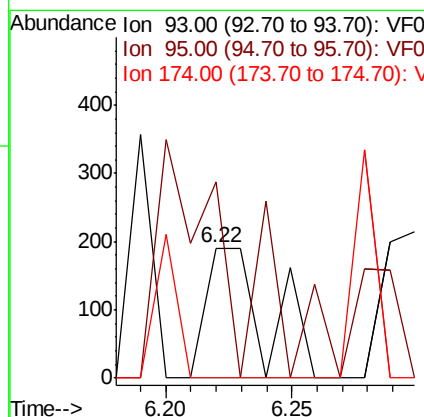
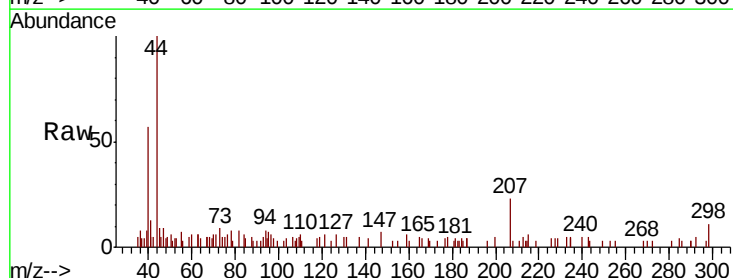
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

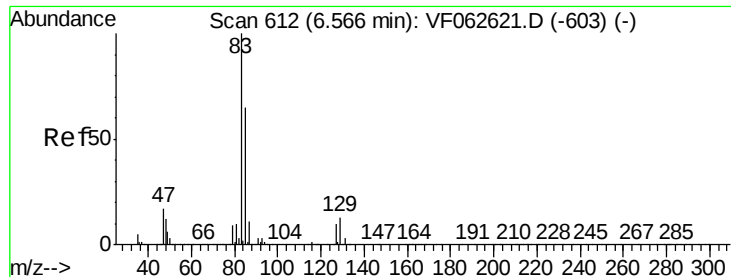
Tot Ion: 63 Resp: 167
 Ion Ratio Lower Upper
 63 100
 65 36.9 26.3 39.5



#46
 Dibromomethane
 Concen: 67.081 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.05 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion: 93 Resp: 321
 Ion Ratio Lower Upper
 93 100
 95 150.8 67.4 101.2#
 174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 13.086 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

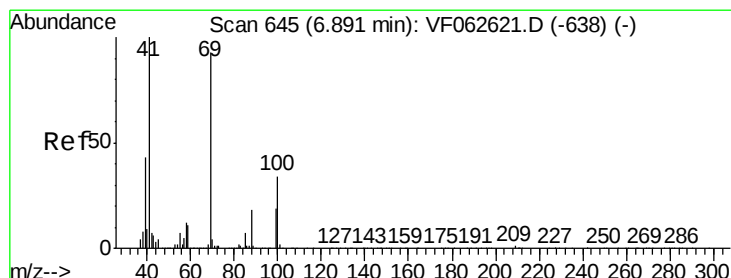
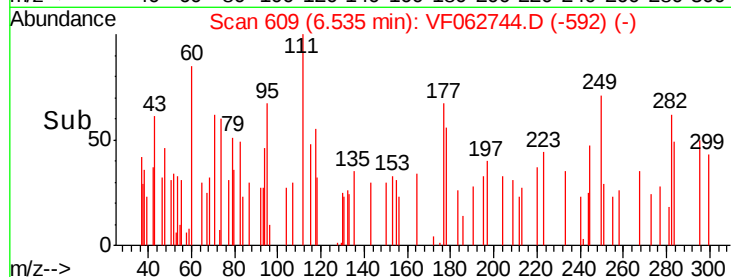
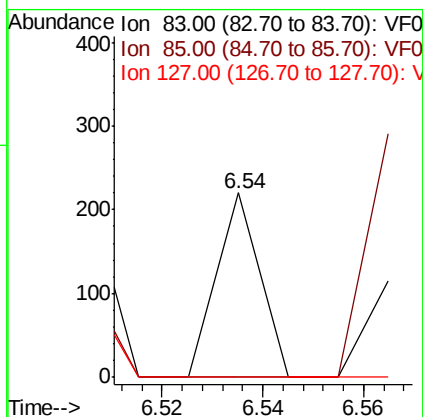
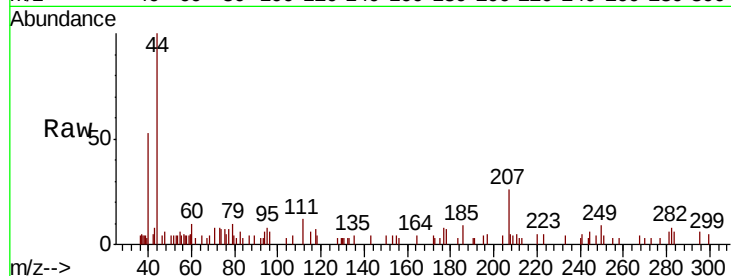
Tot Ion: 83 Resp: 130

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

127 0.0 7.7 11.5#



#48

Methyl methacrylate

Concen: 248.130 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

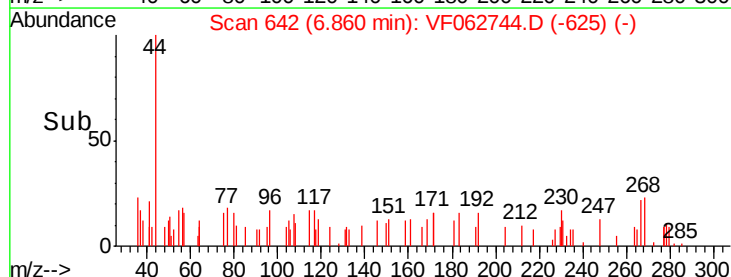
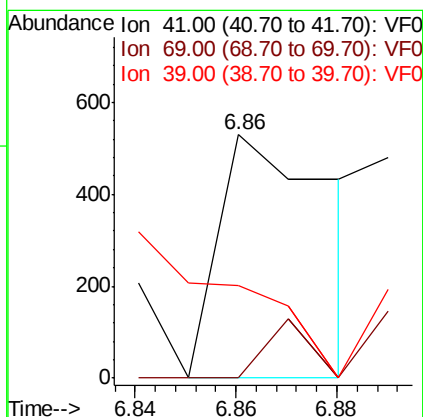
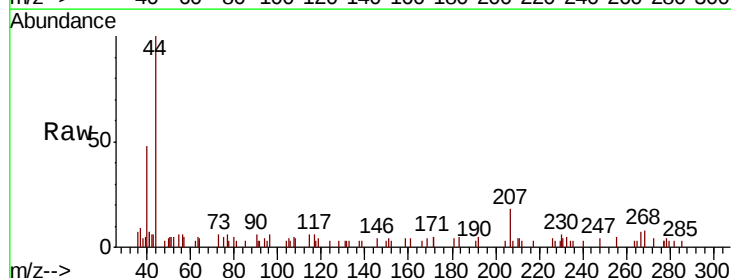
Tgt Ion: 41 Resp: 826

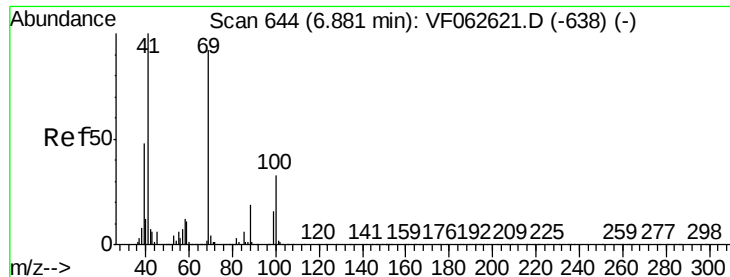
Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

39 37.9 34.2 51.4





#49

1,4-Dioxane

Concen: 4526.663 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

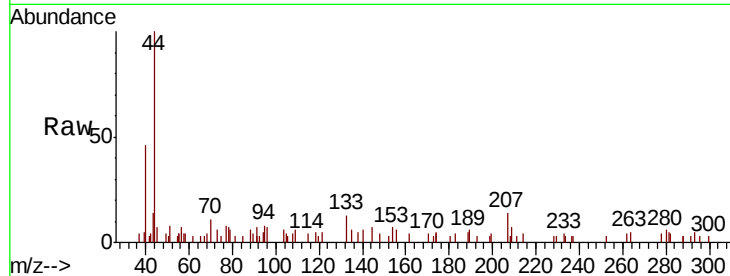
Tot Ion: 88 Resp: 193

Ion Ratio Lower Upper

88 100

43 249.1 30.0 45.0#

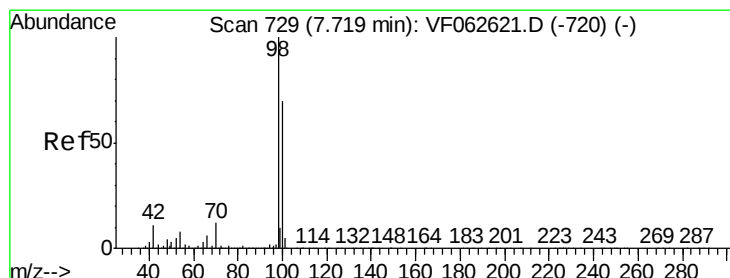
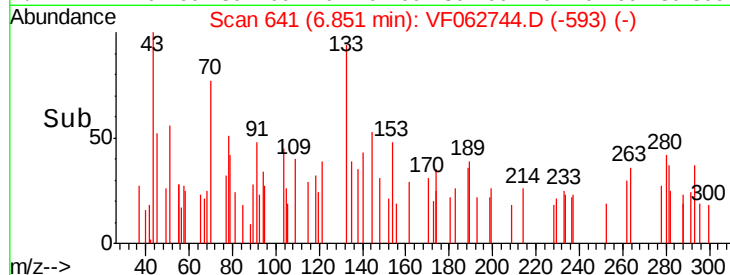
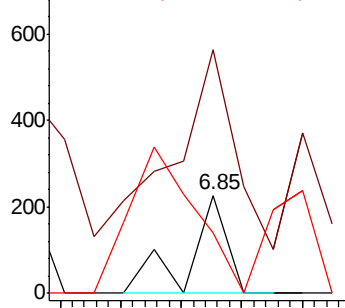
58 61.9 51.1 76.7



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 4.006 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.05 min

Lab File: VF062744.D

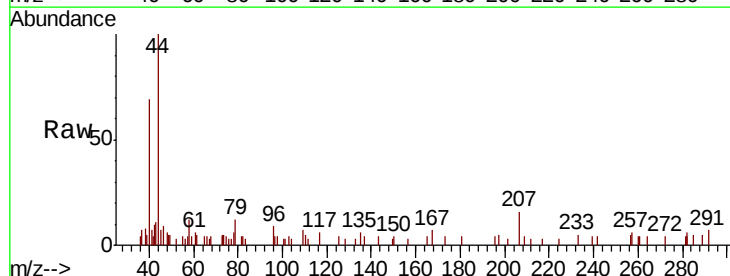
Acq: 24 May 2019 13:46

Tgt Ion: 98 Resp: 86

Ion Ratio Lower Upper

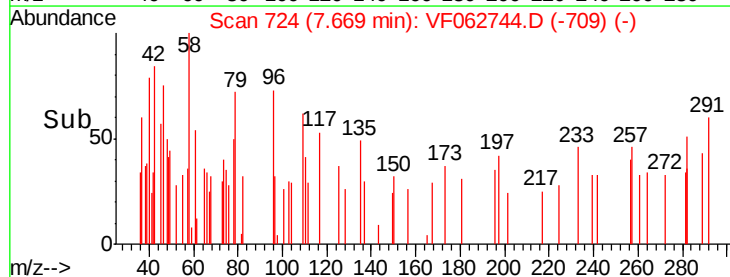
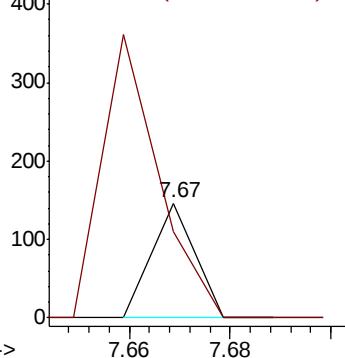
98 100

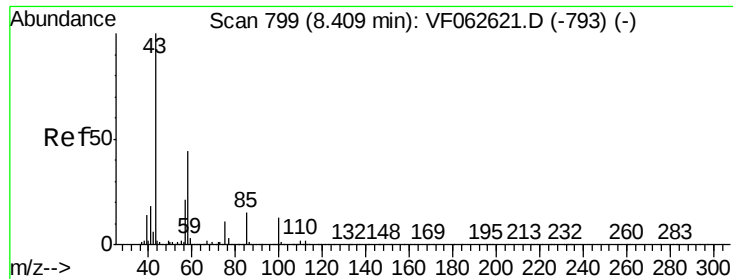
100 75.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

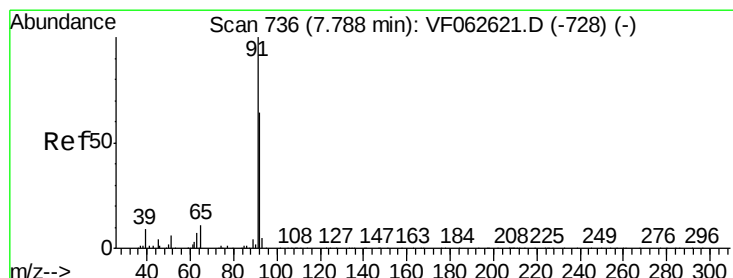
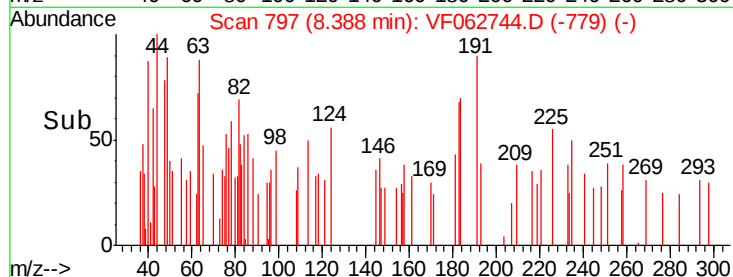
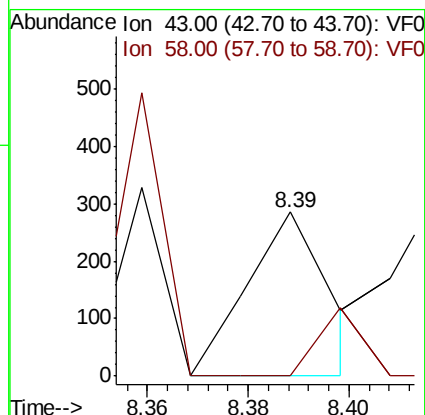
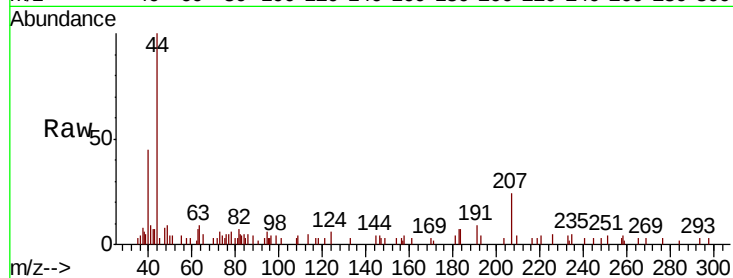




#51
4-Methyl-2-Pentanone
Concen: 73.277 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.02 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

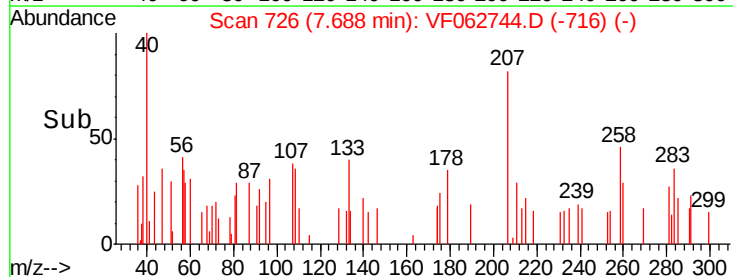
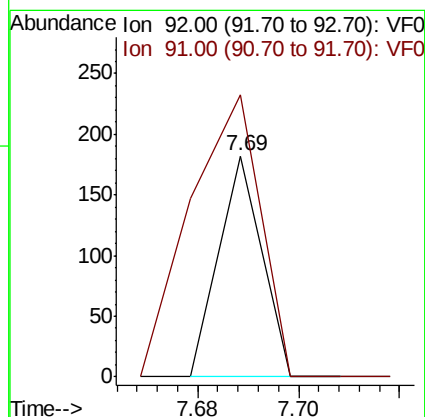
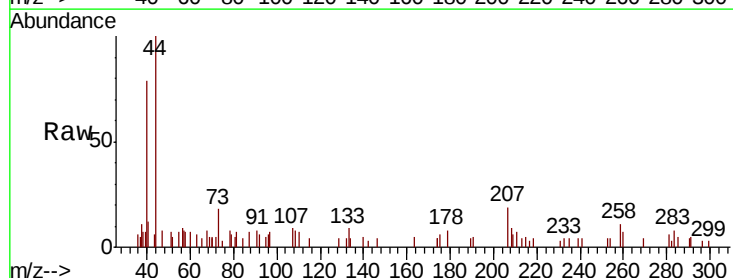
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

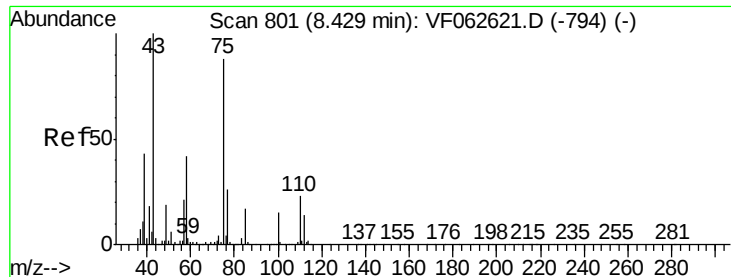
Tot Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
58 0.0 34.9 52.3#



#52
Toluene
Concen: 6.278 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.10 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 92 Resp: 108
Ion Ratio Lower Upper
92 100
91 128.0 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 70.625 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

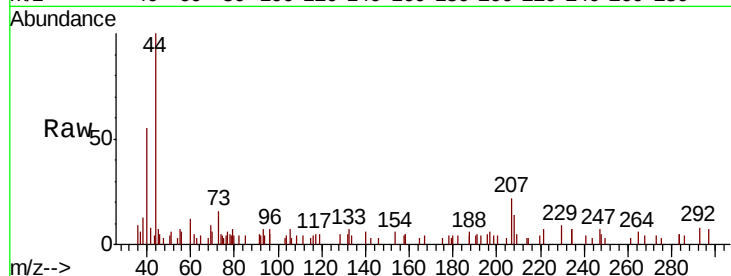
OR-03-052319-A

Tot Ion: 75 Resp: 574

Ion Ratio Lower Upper

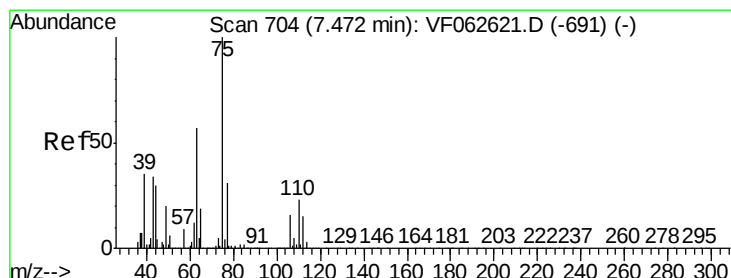
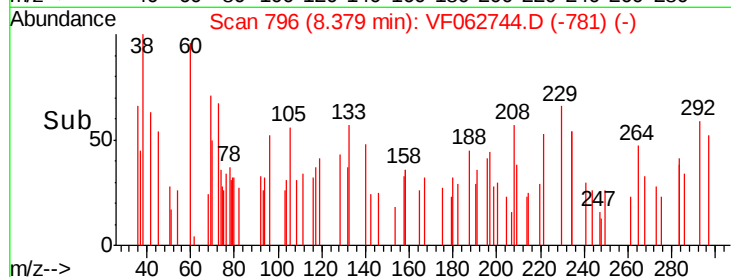
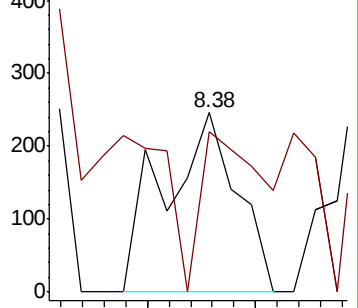
75 100

77 89.4 24.2 36.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 12.657 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

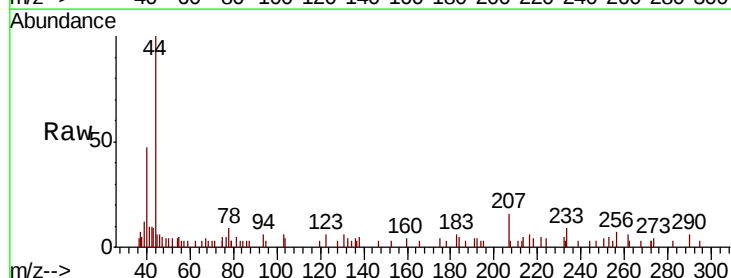
Tgt Ion: 75 Resp: 144

Ion Ratio Lower Upper

75 100

77 169.9 25.3 37.9#

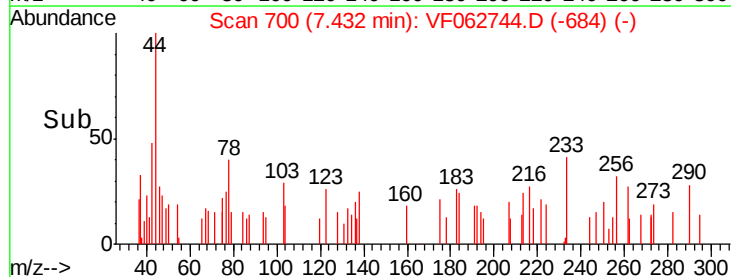
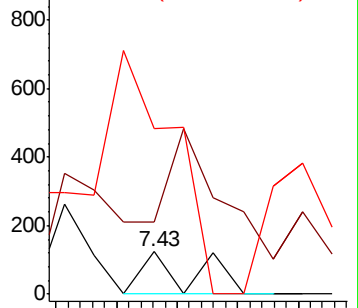
39 391.9 28.2 42.2#

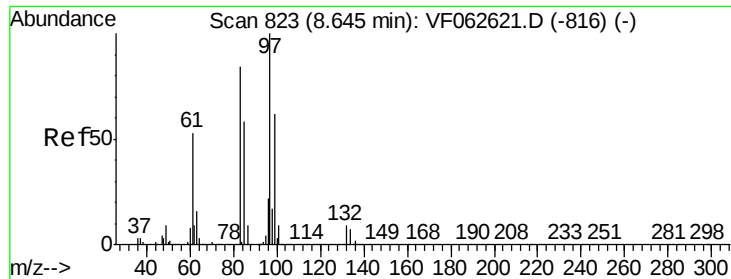


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 100.524 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

Tot Ion: 97 Resp: 512

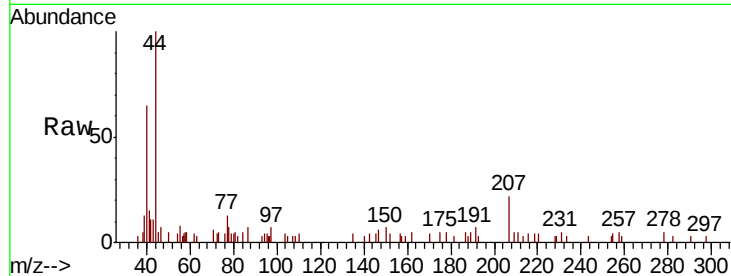
Ion Ratio Lower Upper

97 100

83 0.0 67.3 100.9#

85 0.0 46.6 69.8#

99 0.0 49.7 74.5#

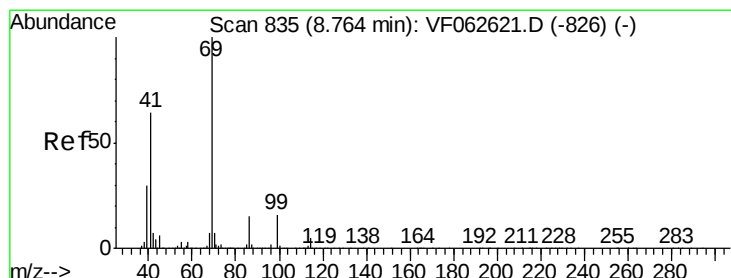
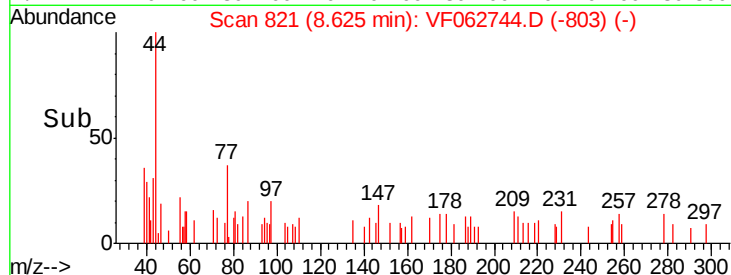
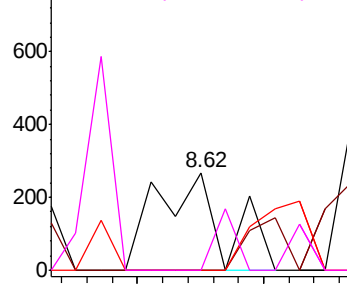


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 113.710 ug/l

RT: 8.72 min Scan# 831

Delta R.T. -0.04 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

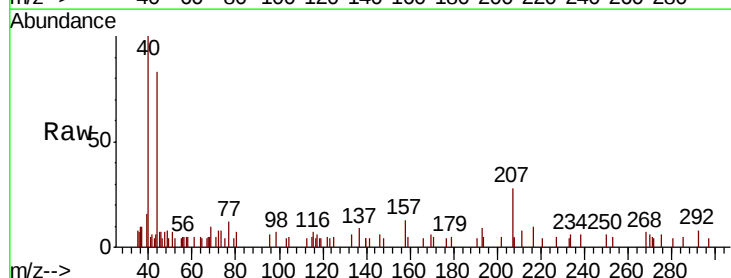
Tgt Ion: 69 Resp: 690

Ion Ratio Lower Upper

69 100

41 48.3 51.4 77.2#

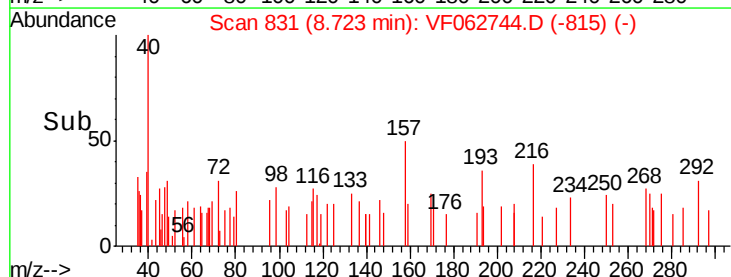
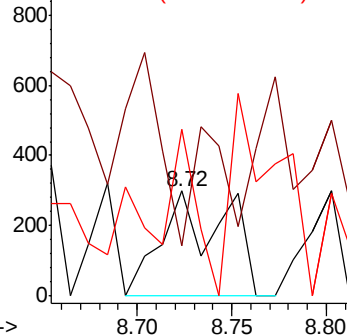
39 159.4 23.6 35.4#

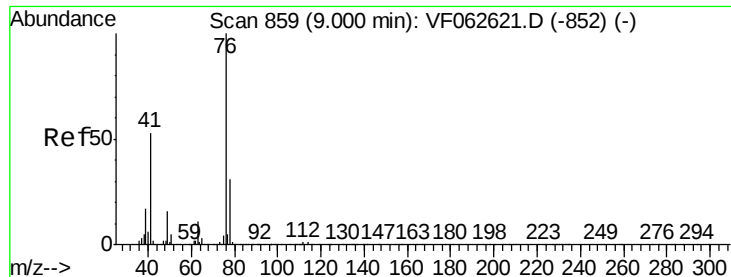


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 9.106 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

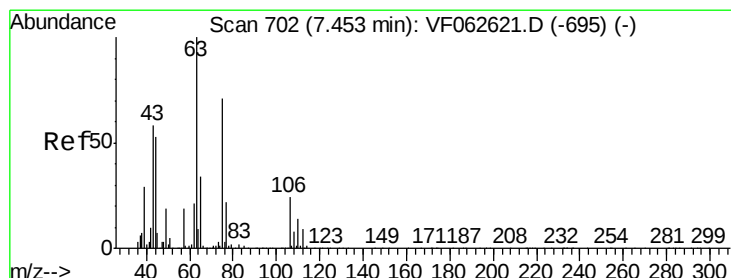
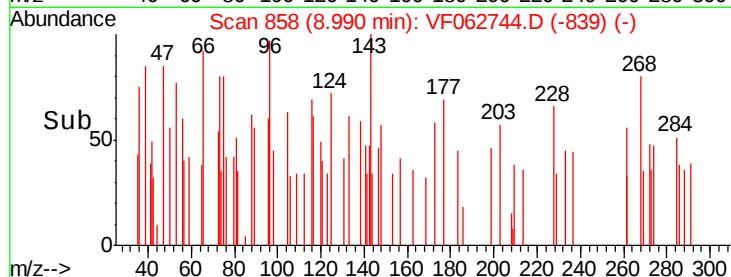
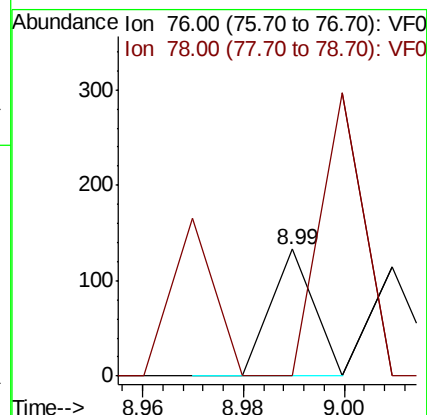
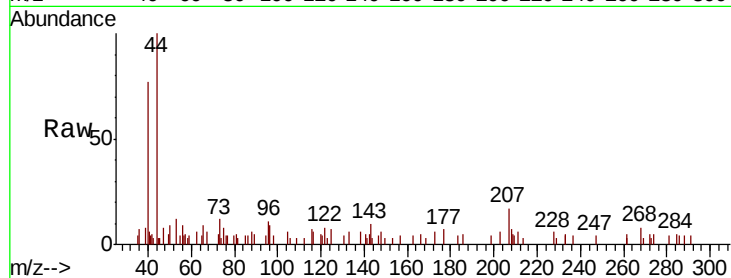
OR-03-052319-A

Tot Ion: 76 Resp: 79

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 270.865 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF062744.D

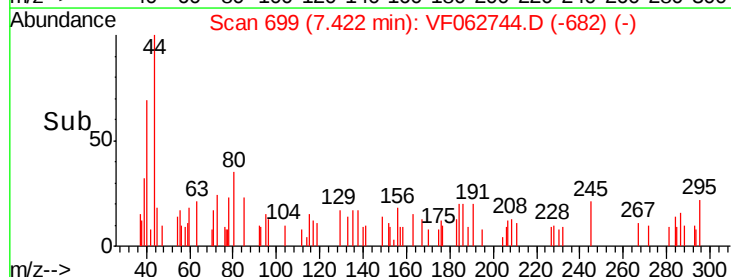
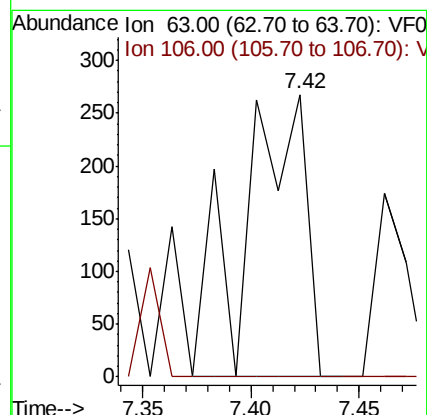
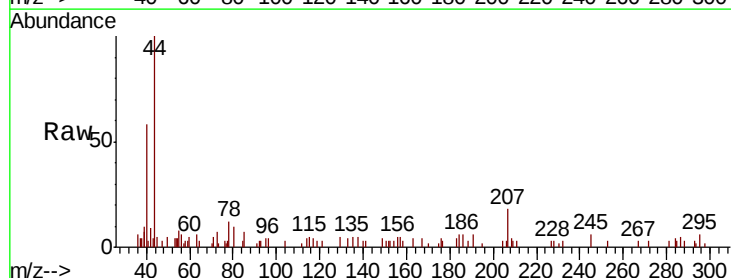
Acq: 24 May 2019 13:46

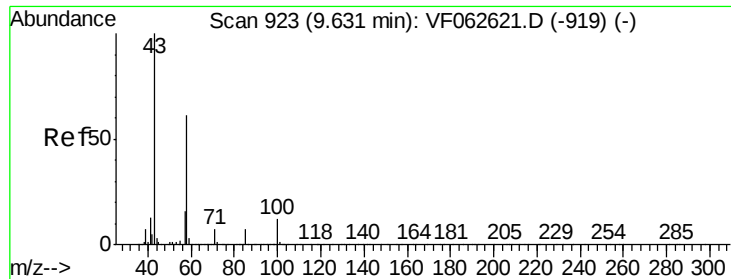
Tgt Ion: 63 Resp: 535

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

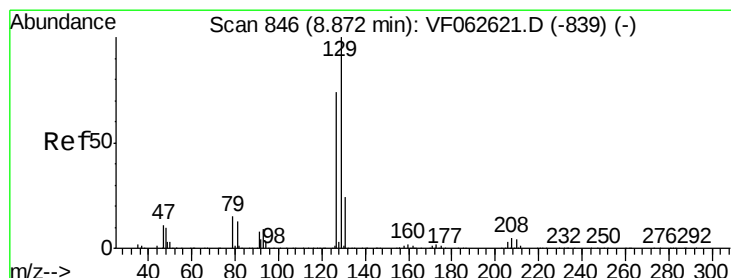
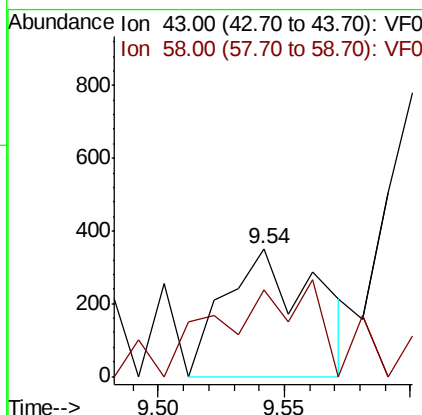
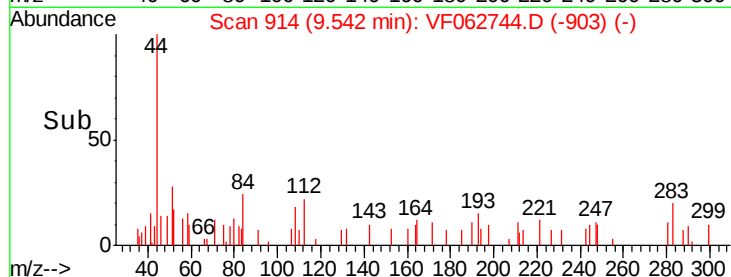
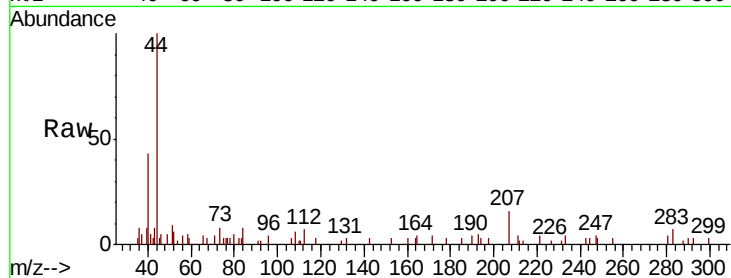




#59
2-Hexanone
Concen: 312.314 ug/l
RT: 9.54 min Scan# 914
Delta R.T. -0.09 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

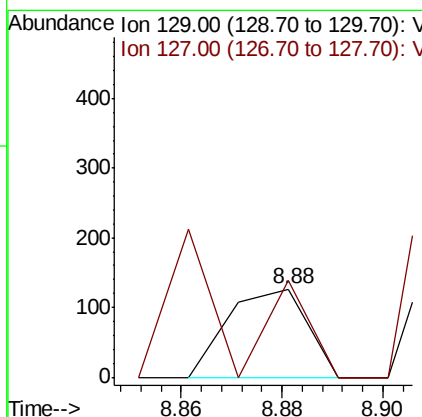
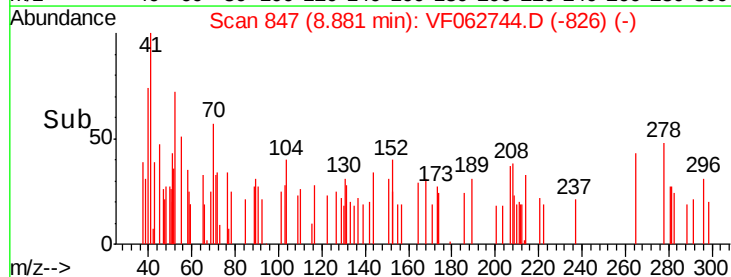
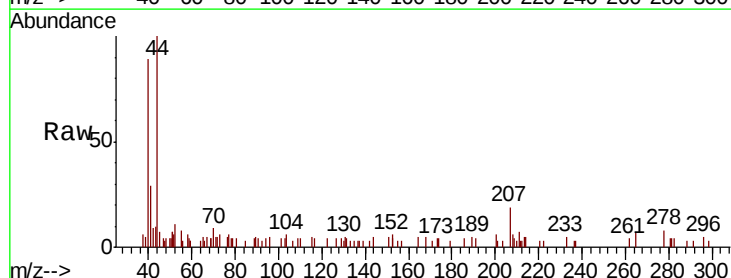
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

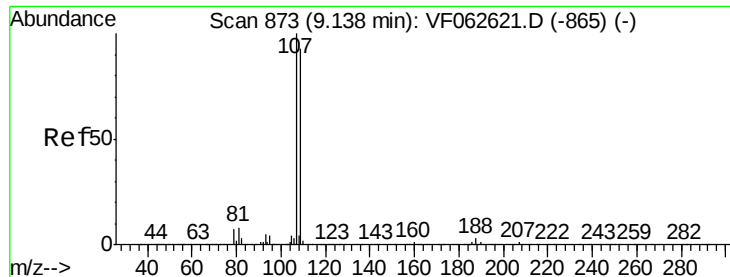
Tot Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 67.0 28.1 84.4



#60
Dibromochloromethane
Concen: 20.789 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 129 Resp: 138
Ion Ratio Lower Upper
129 100
127 110.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 16.636 ug/l

RT: 9.05 min Scan# 864

Delta R.T. -0.09 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

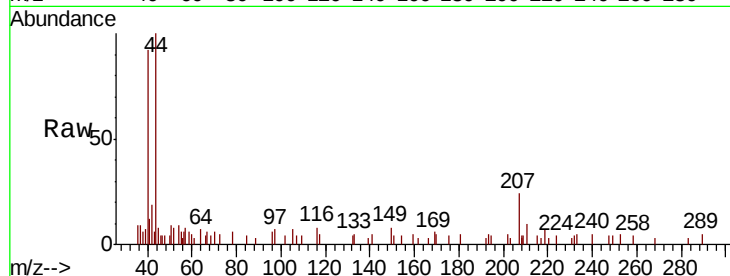
OR-03-052319-A

Tot Ion:107 Resp: 90

Ion Ratio Lower Upper

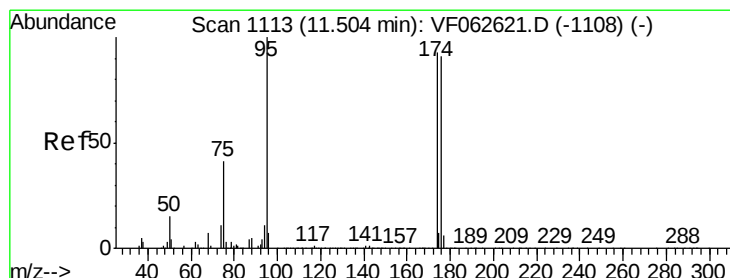
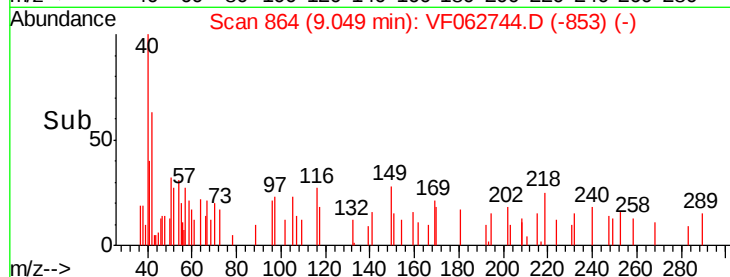
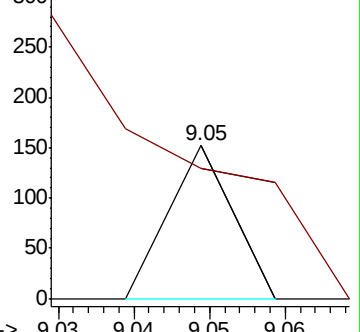
107 100

109 84.9 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.865 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

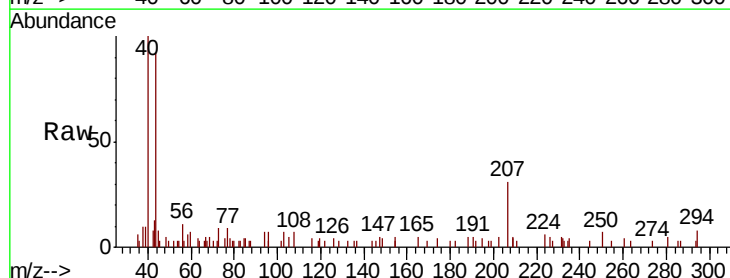
Tgt Ion: 95 Resp: 406

Ion Ratio Lower Upper

95 100

174 56.1 0.0 185.6

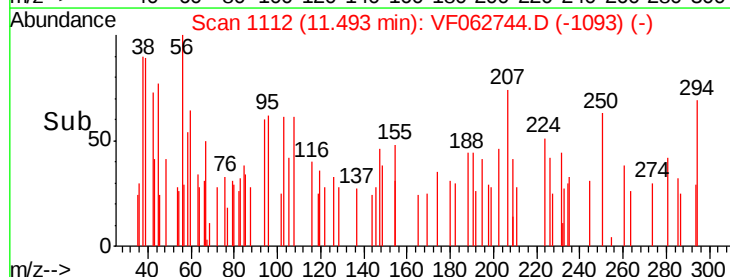
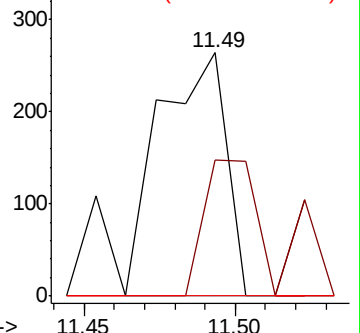
176 0.0 0.0 182.4

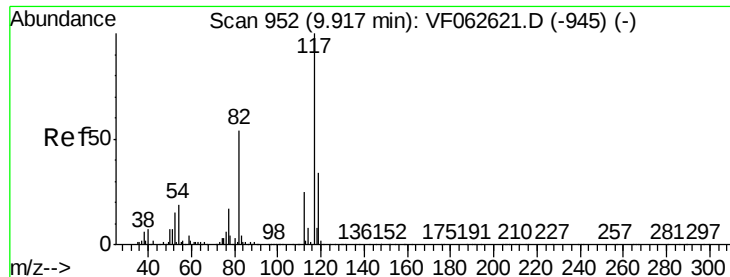


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

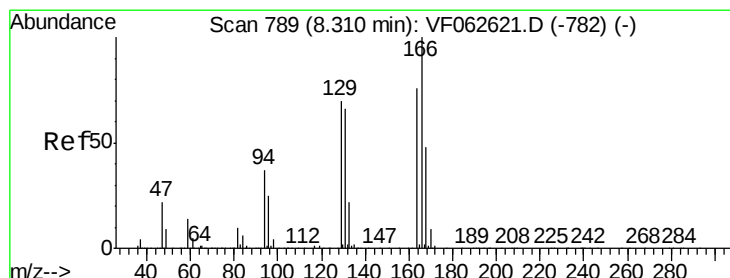
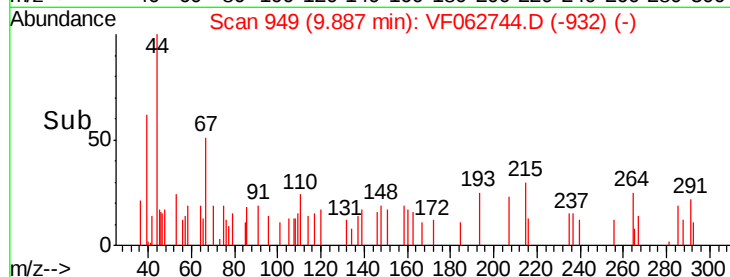
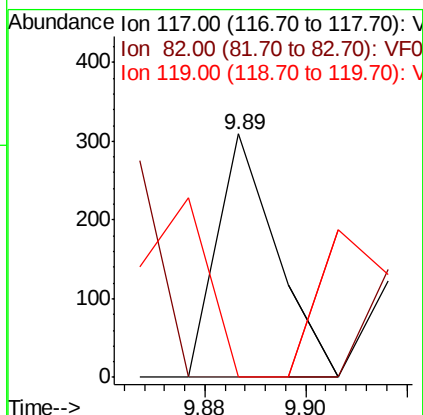
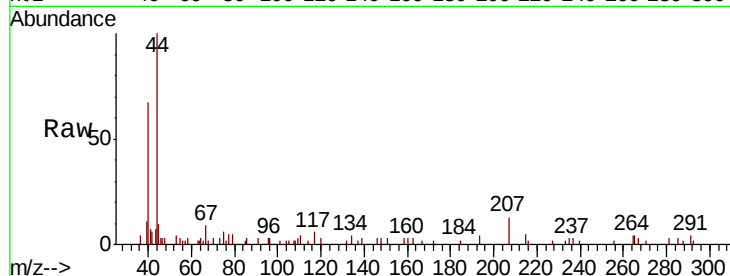




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.03 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

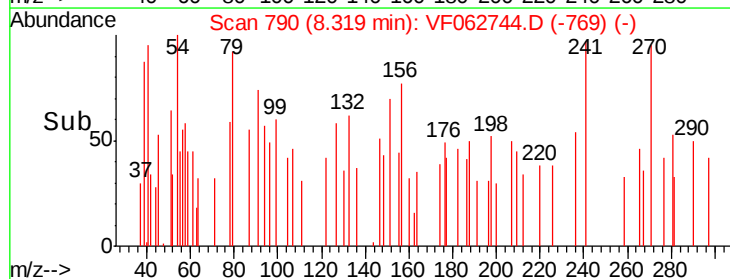
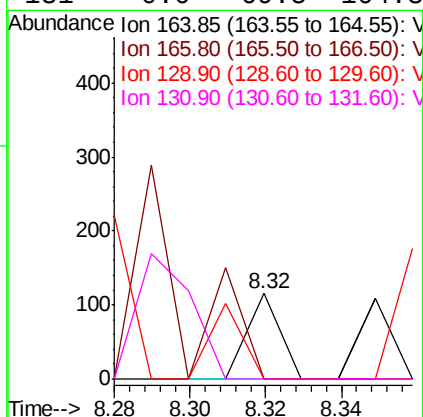
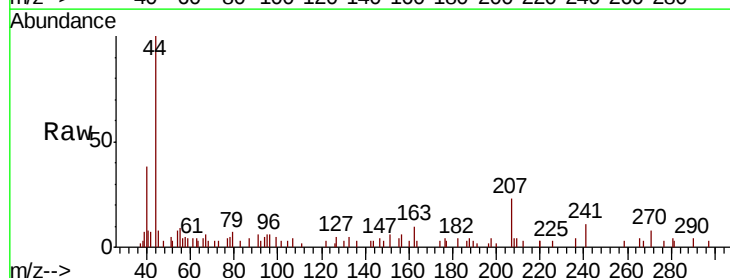
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

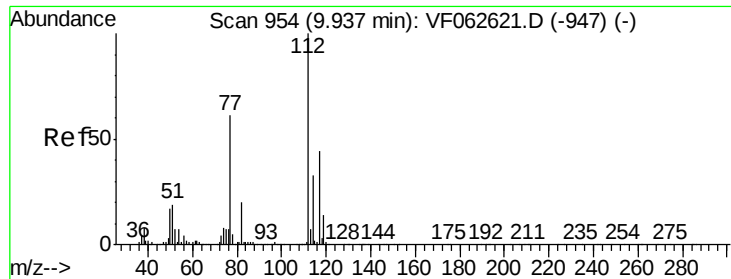
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.3	64.9#
119	0.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 34.061 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	0.0	73.8	110.6#
131	0.0	69.5	104.3#

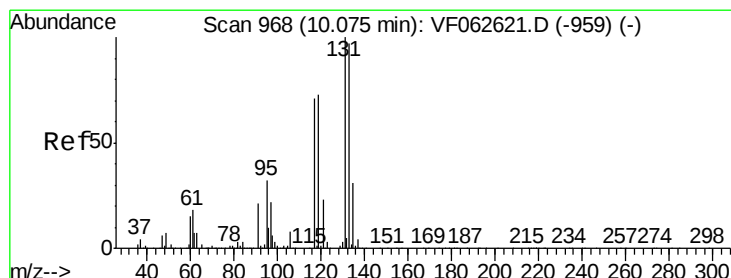
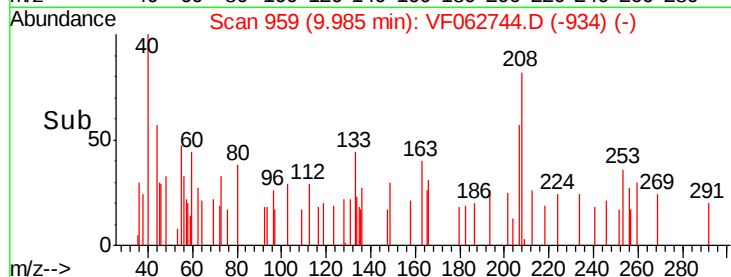
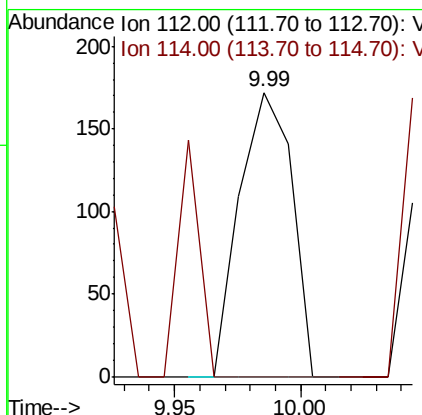
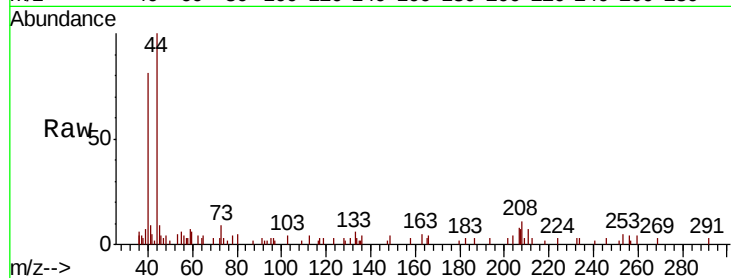




#65
Chlorobenzene
Concen: 50.510 ug/l
RT: 9.99 min Scan# 959
Delta R.T. 0.05 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

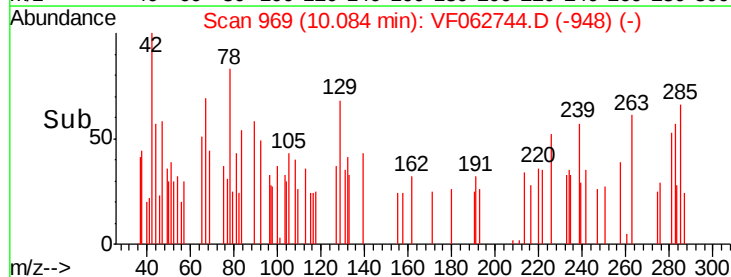
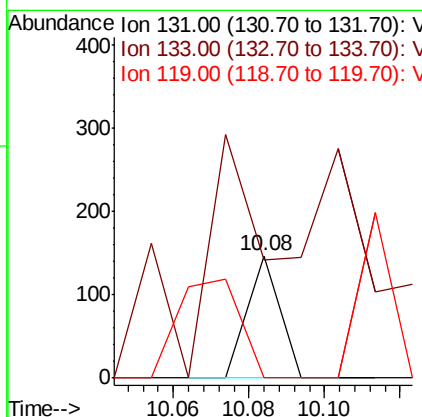
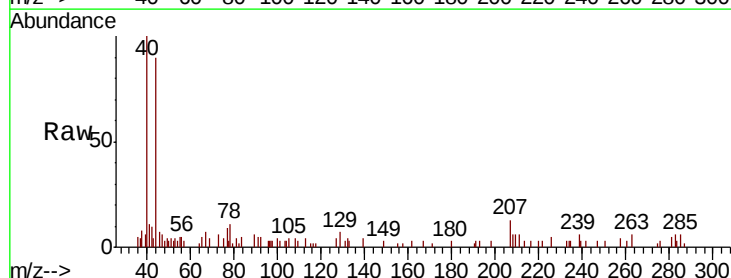
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

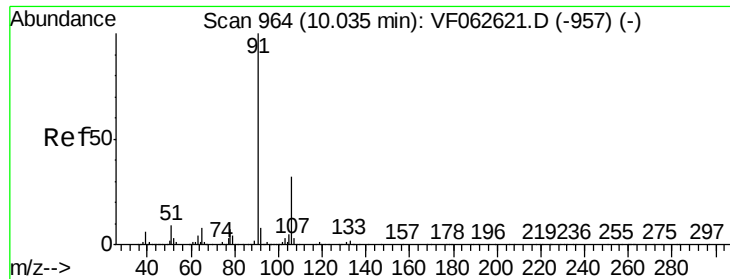
Tot Ion:112 Resp: 250
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 43.785 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion:131 Resp: 87
Ion Ratio Lower Upper
131 100
133 96.6 48.5 145.5
119 0.0 36.8 110.4#

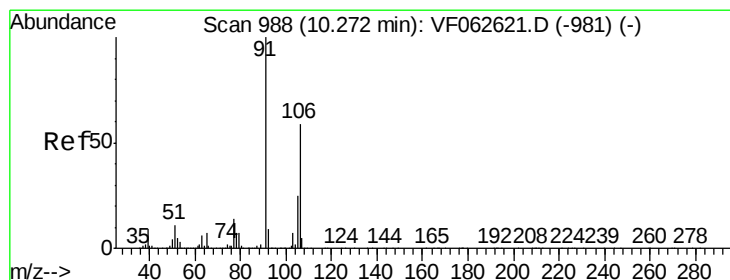
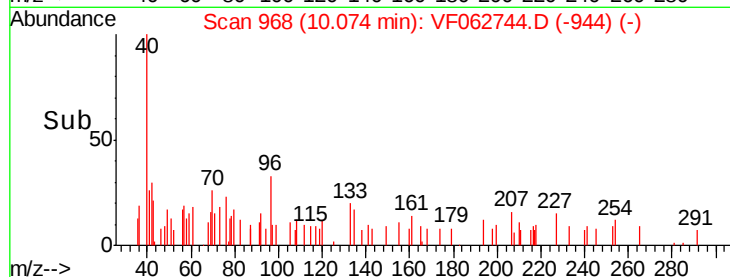
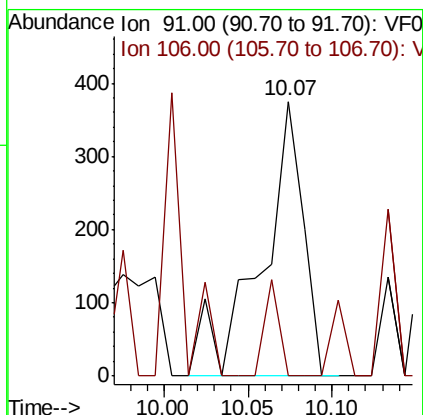
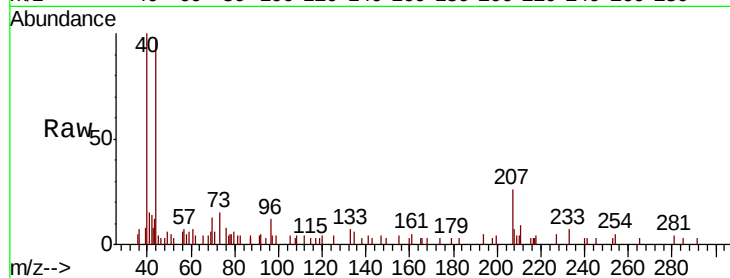




#67
Ethyl Benzene
Concen: 75.595 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.04 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

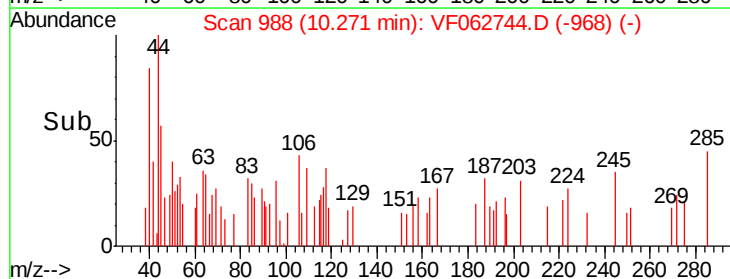
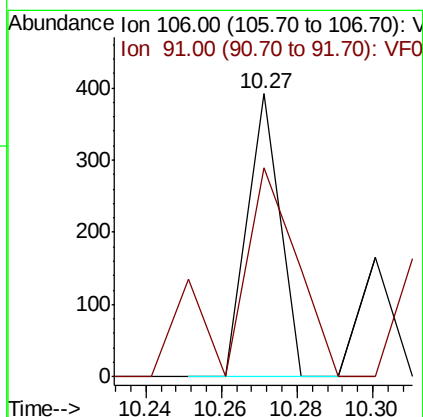
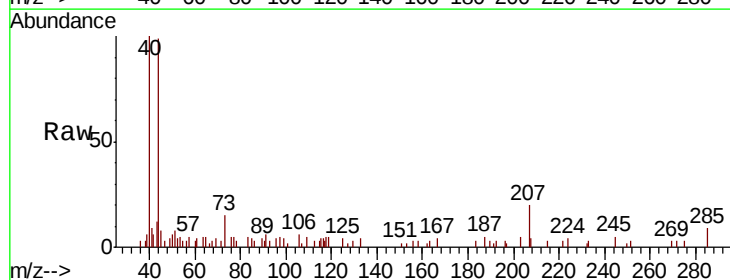
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

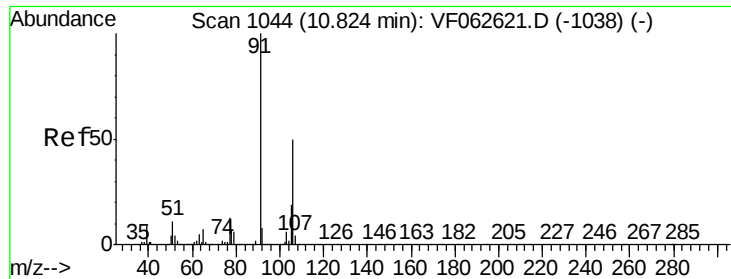
Tot Ion: 91 Resp: 650
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#



#68
m/p-Xylenes
Concen: 71.790 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion: 106 Resp: 232
Ion Ratio Lower Upper
106 100
91 74.0 136.9 205.3#

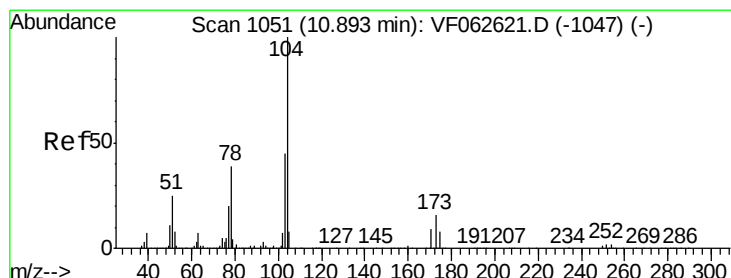
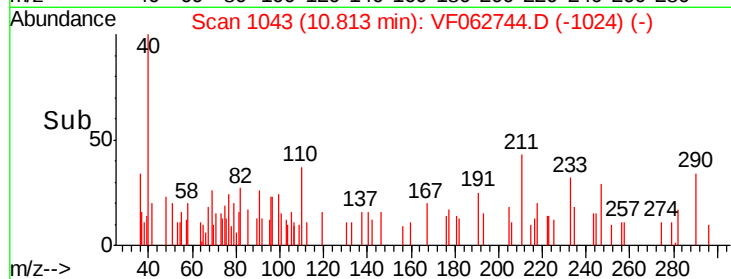
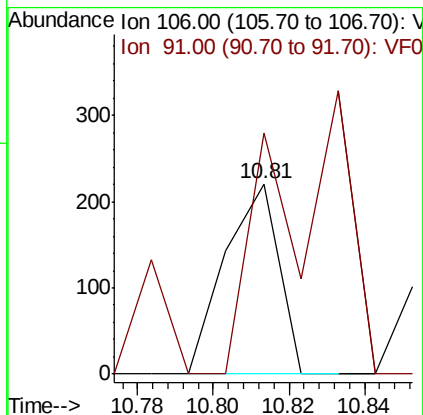
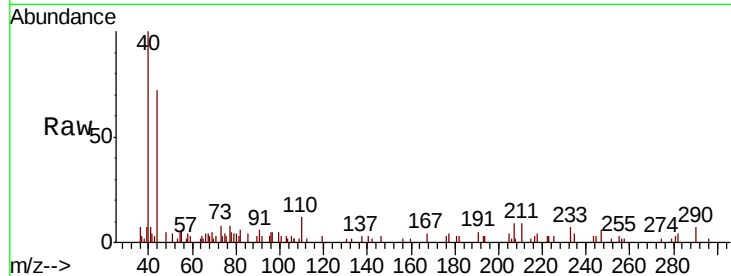




#69
o-Xylene
Concen: 64.591 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

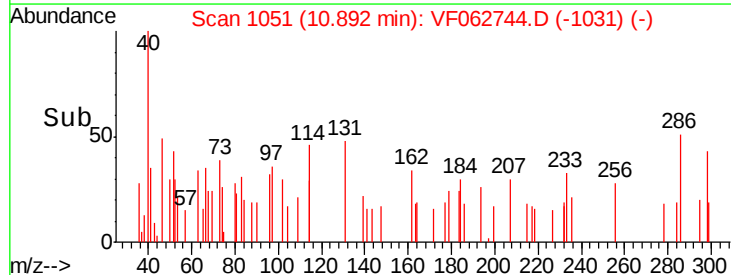
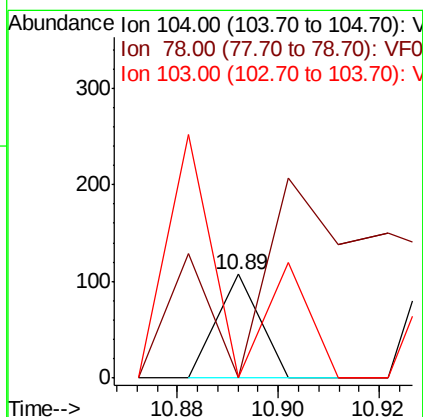
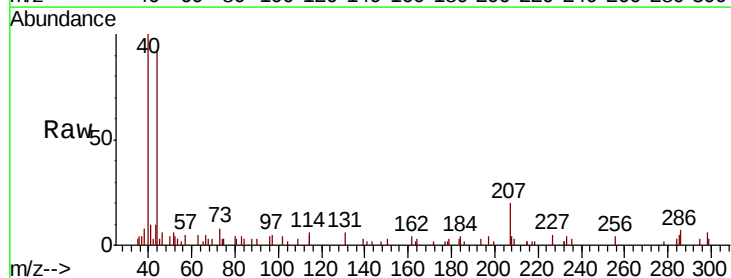
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

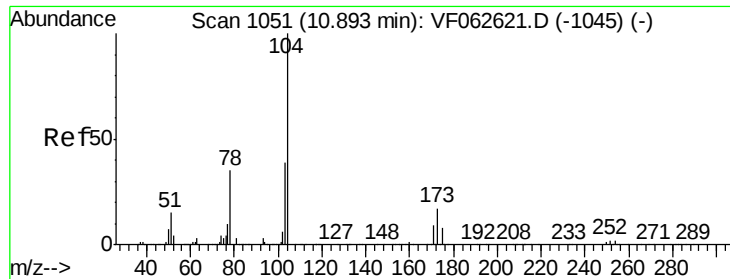
Tot Ion:106 Resp: 215
Ion Ratio Lower Upper
106 100
91 126.2 100.2 300.5



#70
Styrene
Concen: 12.452 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion:104 Resp: 63
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 237.150 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampled :

OR-03-052319-A

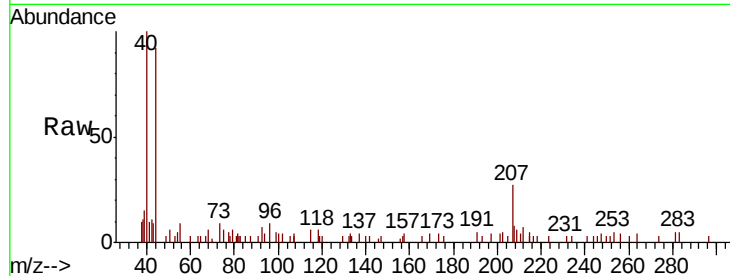
Tot Ion:173 Resp: 236

Ion Ratio Lower Upper

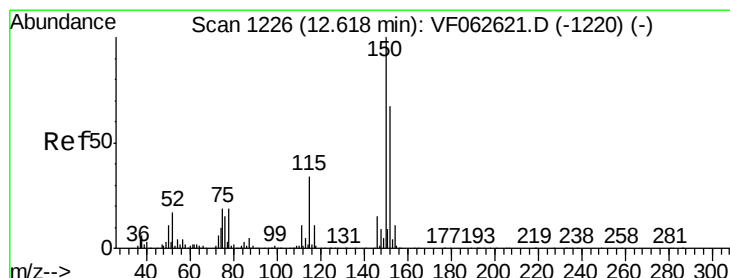
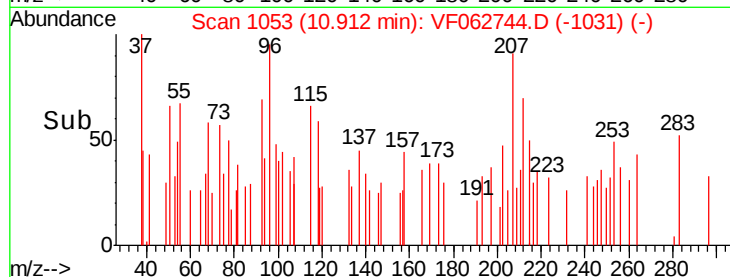
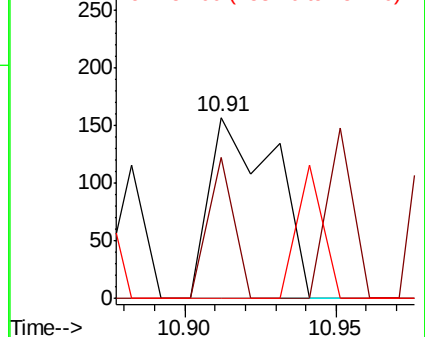
173 100

175 77.7 25.3 75.9#

254 0.0 0.2 0.2#



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: 12.67 min Scan# 1231

Delta R.T. 0.05 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

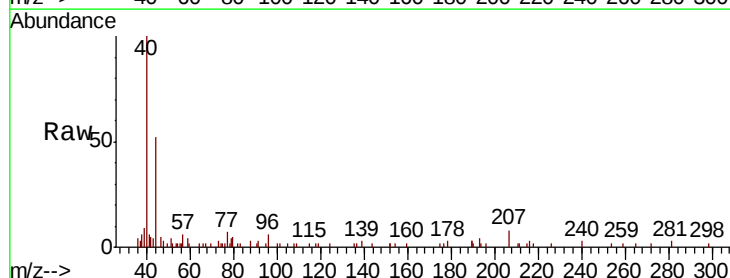
Tgt Ion:152 Resp: 180

Ion Ratio Lower Upper

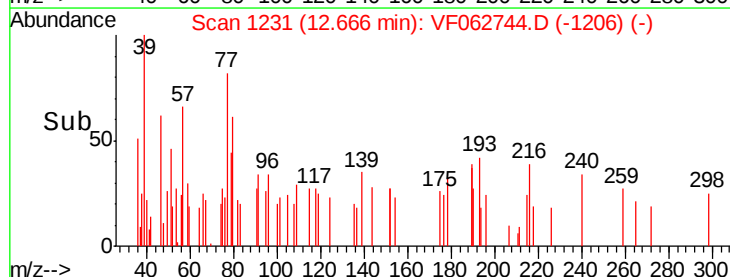
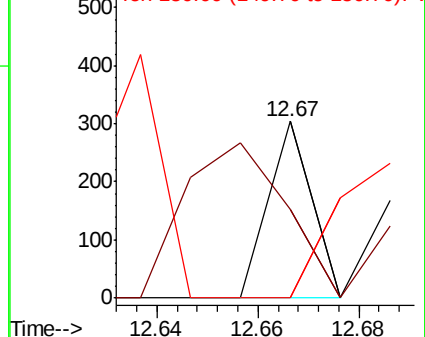
152 100

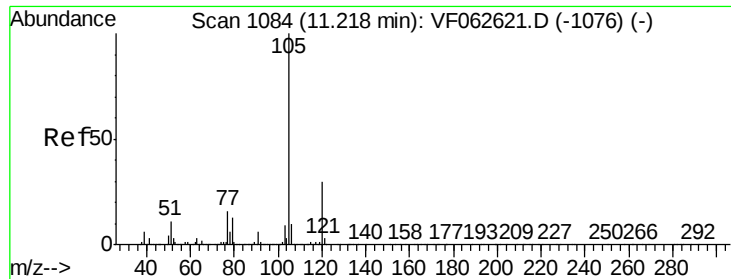
115 50.0 25.2 75.6

150 0.0 0.0 306.2



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: 5.659 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

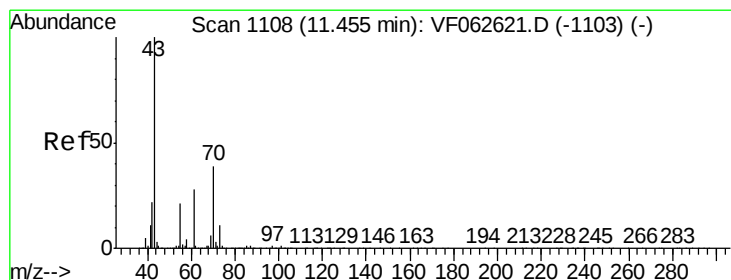
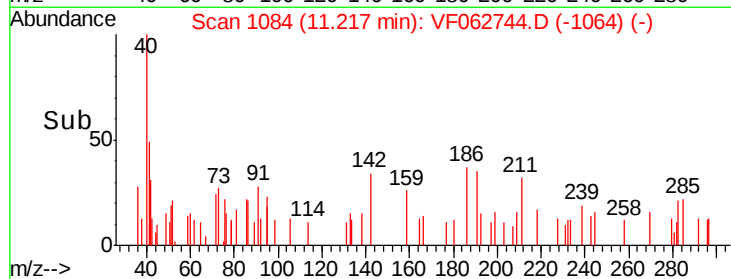
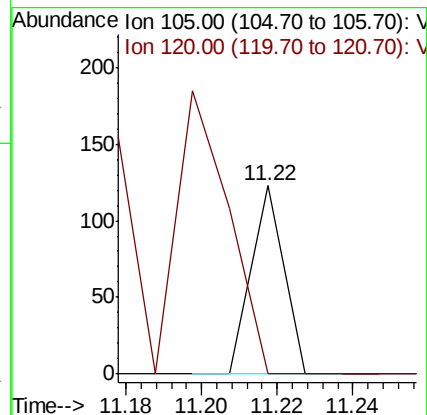
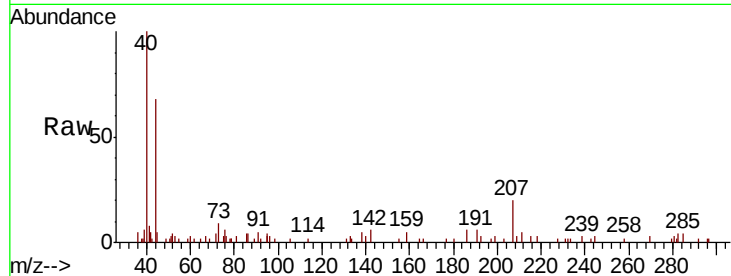
OR-03-052319-A

Tot Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



#74

N-ethyl acetate

Concen: 225.151 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Tgt Ion: 43 Resp: 677

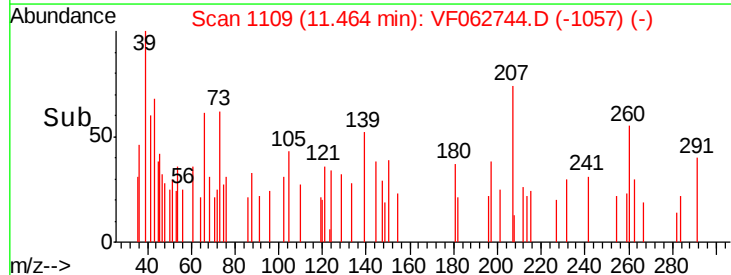
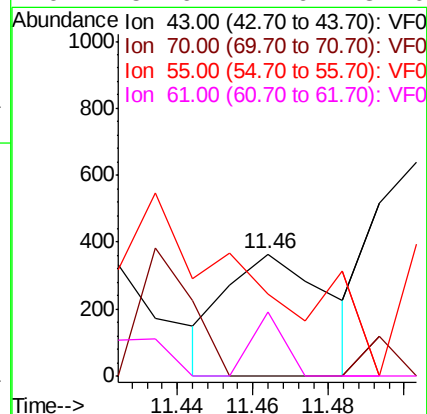
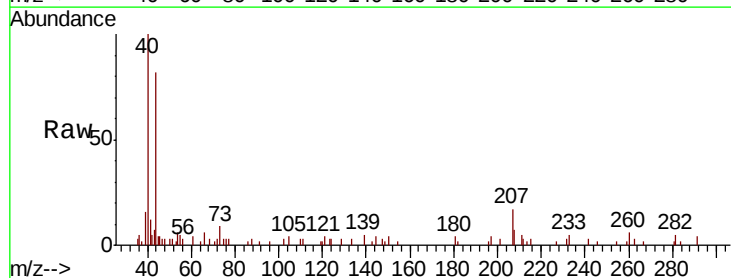
Ion Ratio Lower Upper

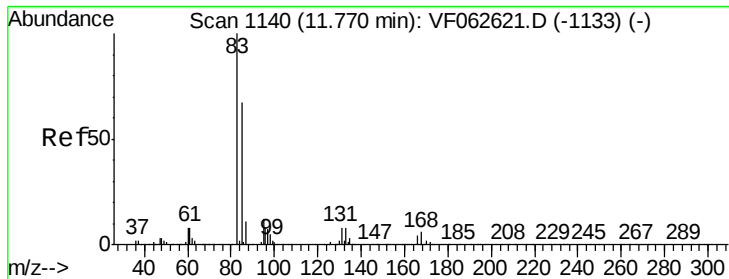
43 100

70 30.1 30.9 46.3#

55 67.1 17.0 25.4#

61 52.6 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 28.447 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

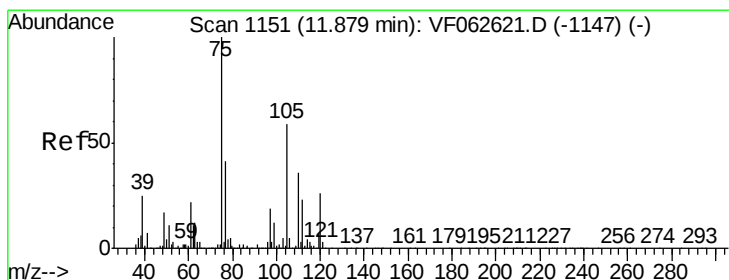
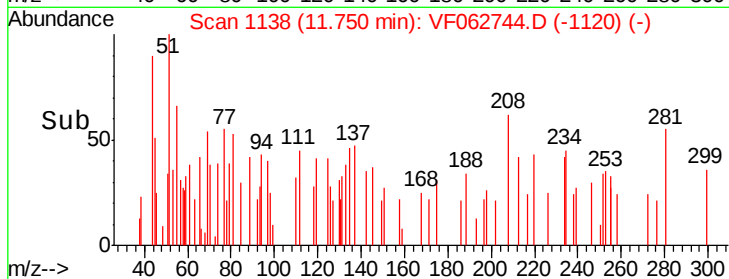
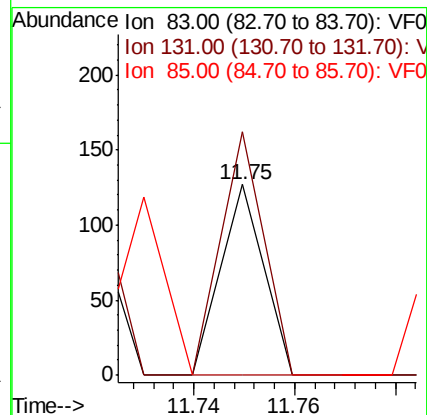
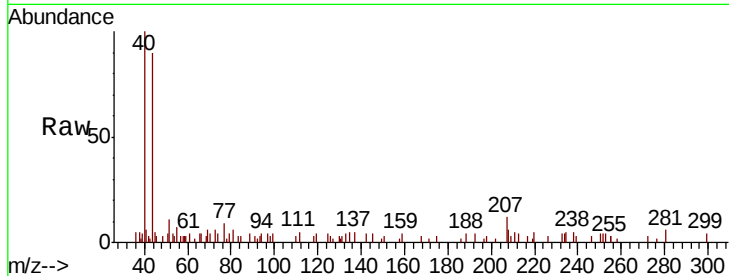
Tot Ion: 83 Resp: 75

Ion Ratio Lower Upper

83 100

131 127.6 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 180.682 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062744.D

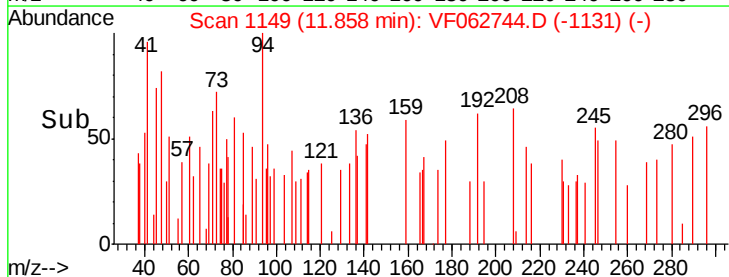
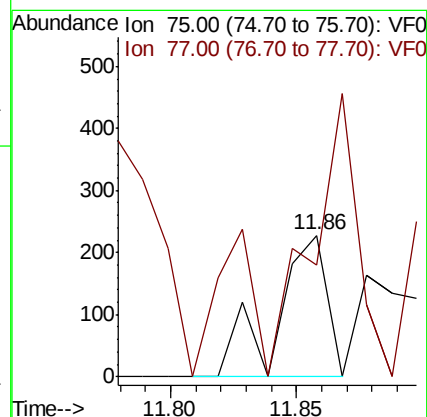
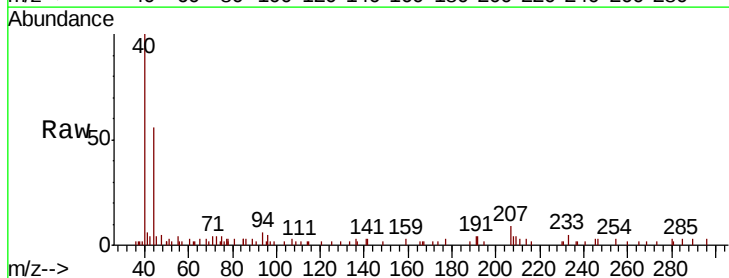
Acq: 24 May 2019 13:46

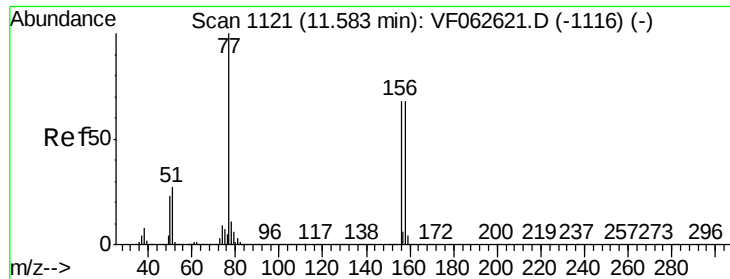
Tgt Ion: 75 Resp: 313

Ion Ratio Lower Upper

75 100

77 78.9 20.6 61.8#





#77

Bromobenzene

Concen: 44.593 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

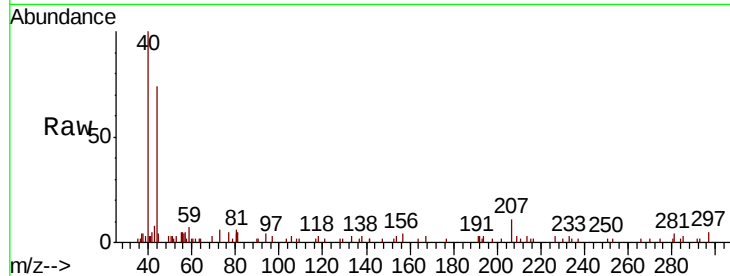
Tot Ion:156 Resp: 143

Ion Ratio Lower Upper

156 100

77 134.9 73.6 220.8

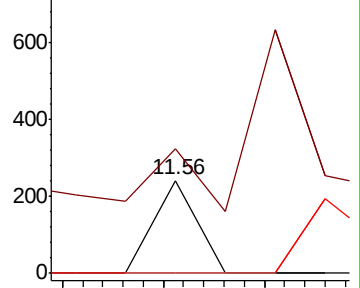
158 0.0 49.6 148.8#



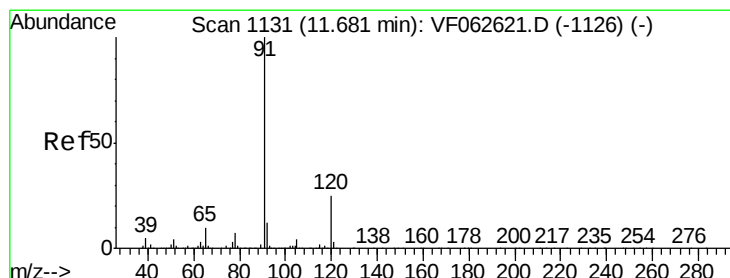
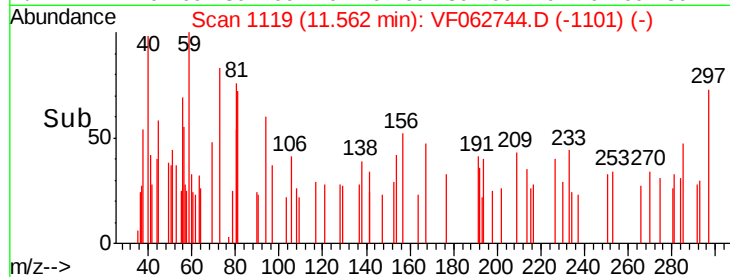
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time-->



#78

n-propylbenzene

Concen: 20.173 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062744.D

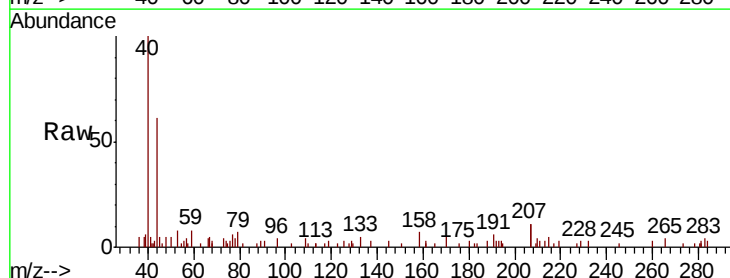
Acq: 24 May 2019 13:46

Tgt Ion: 91 Resp: 308

Ion Ratio Lower Upper

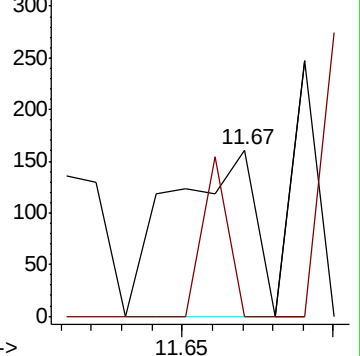
91 100

120 0.0 12.7 38.1#

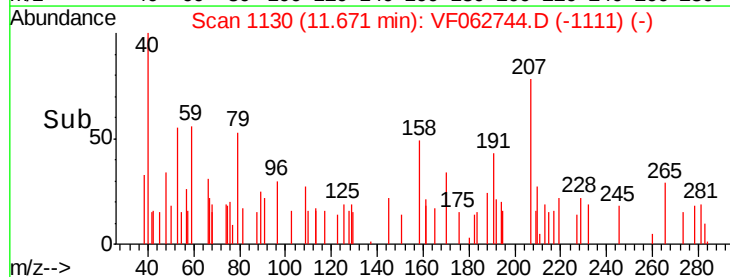


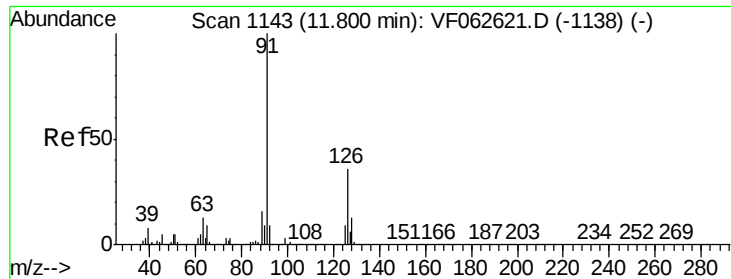
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->

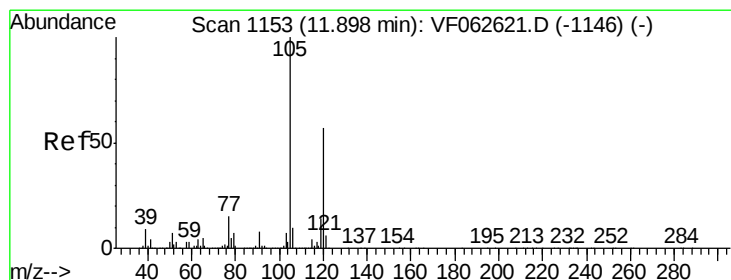
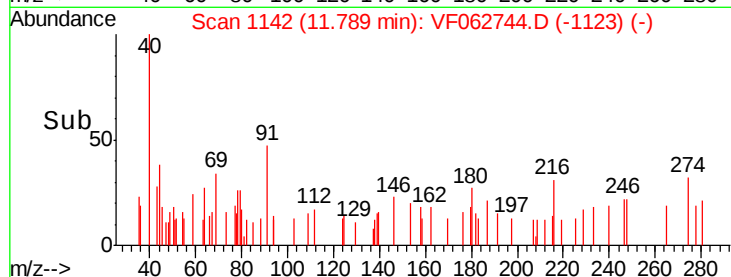
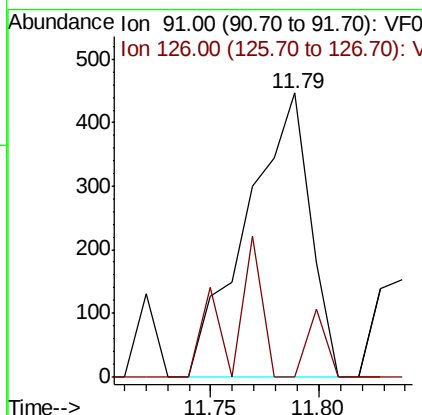
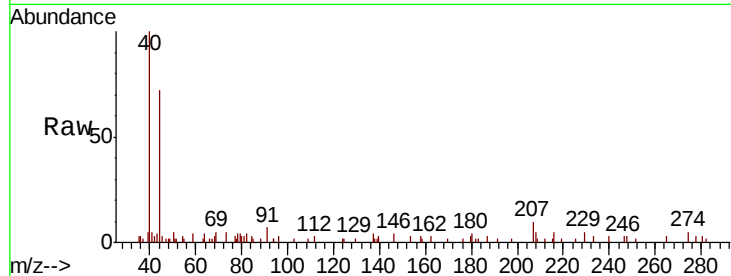




#79
 2-Chlorotoluene
 Concen: 106.109 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

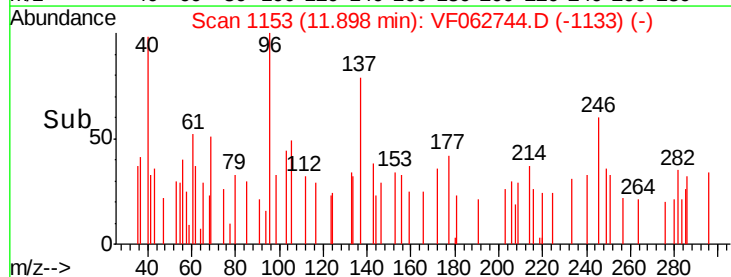
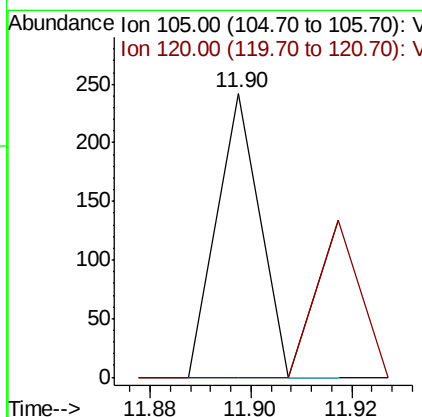
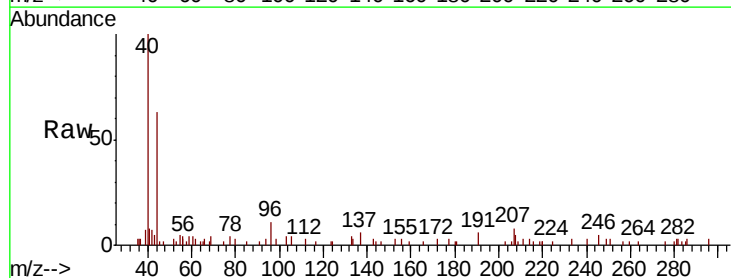
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

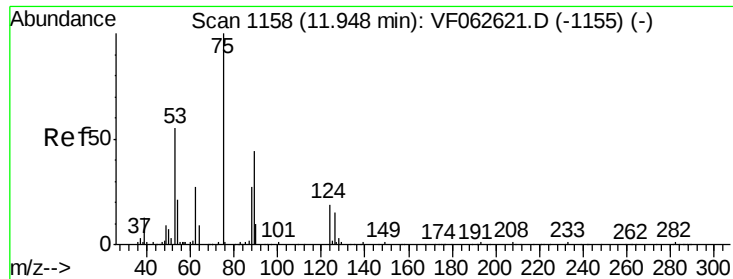
Tot Ion: 91 Resp: 913
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 13.824 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion:105 Resp: 143
 Ion Ratio Lower Upper
 105 100
 120 0.0 28.7 86.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 175.317 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

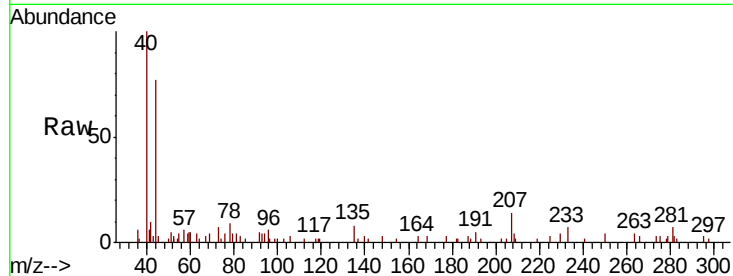
Tot Ion: 75 Resp: 135

Ion Ratio Lower Upper

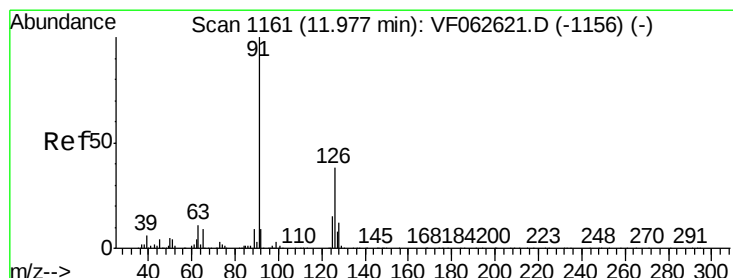
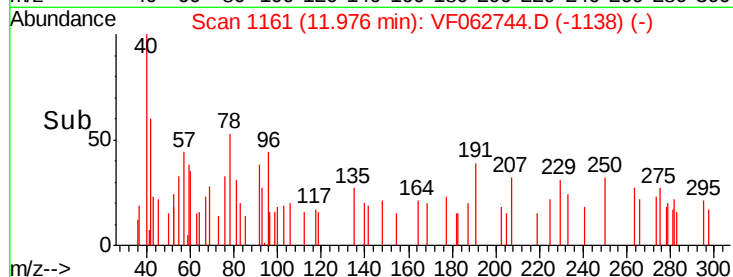
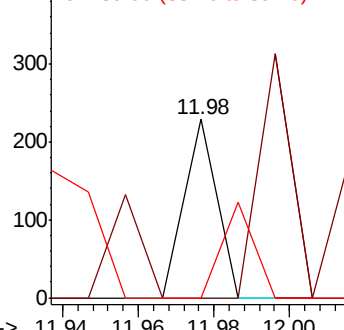
75 100

53 0.0 46.9 70.3#

89 0.0 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



#82

4-Chlorotoluene

Concen: 25.103 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.03 min

Lab File: VF062744.D

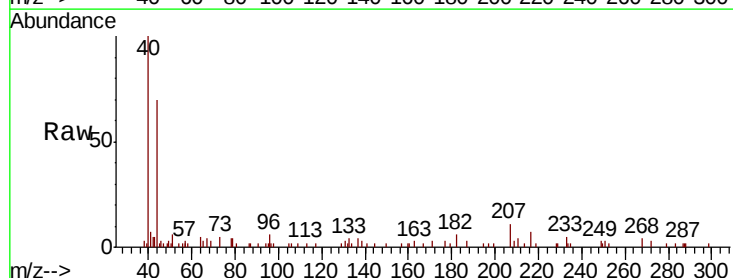
Acq: 24 May 2019 13:46

Tgt Ion: 91 Resp: 213

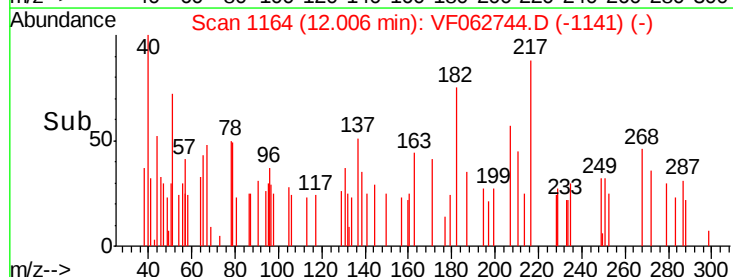
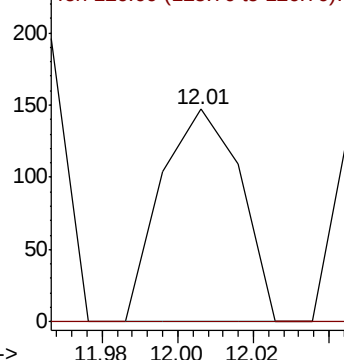
Ion Ratio Lower Upper

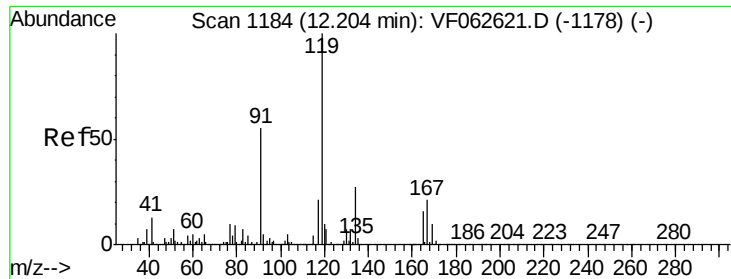
91 100

126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

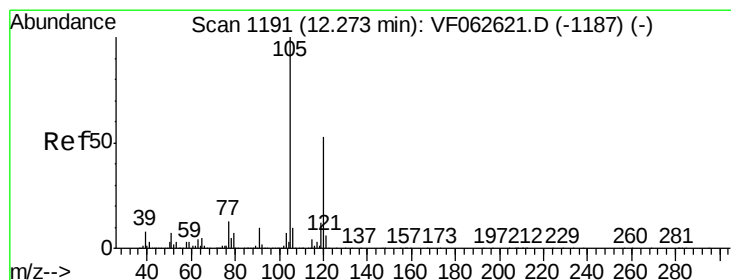
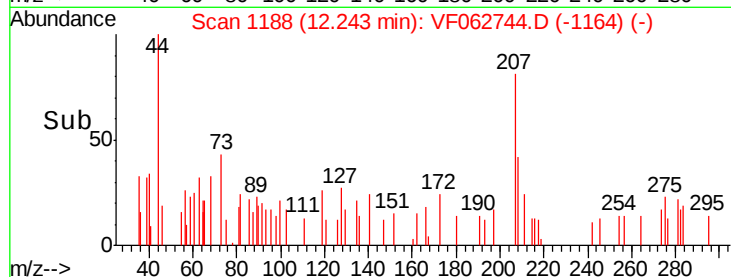
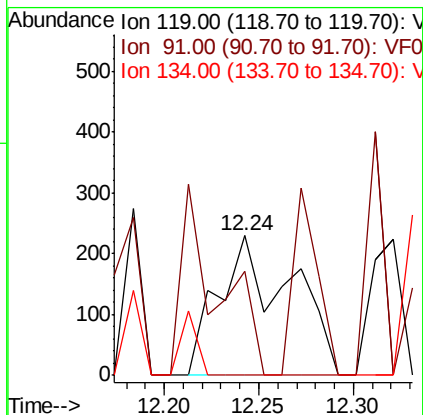
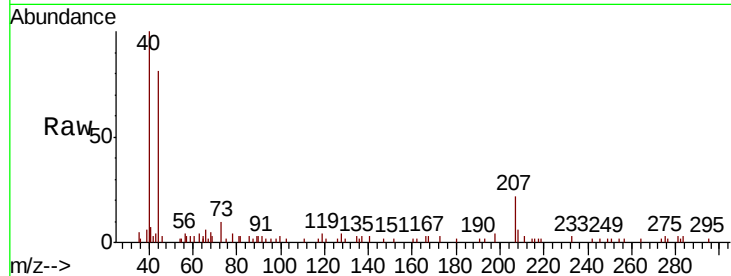




#83
tert-Butylbenzene
Concen: 57.646 ug/l
RT: 12.24 min Scan# 1188
Delta R.T. 0.04 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

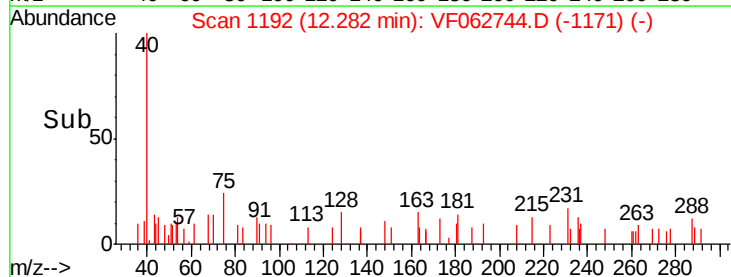
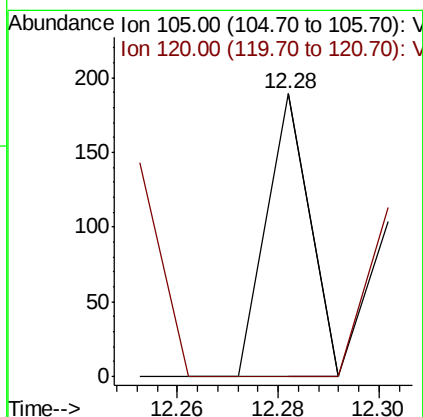
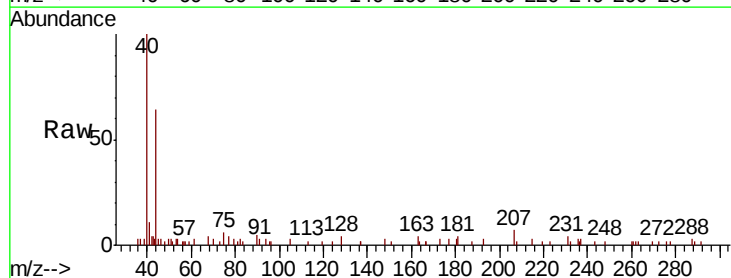
Instrument :
MSVOA_F
ClientSampleId :
OR-03-052319-A

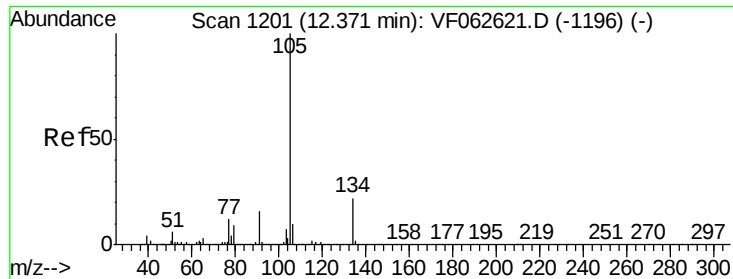
Tot Ion:119 Resp: 605
Ion Ratio Lower Upper
119 100
91 74.8 27.3 81.9
134 0.0 13.6 40.7#



#84
1,2,4-Trimethylbenzene
Concen: 11.186 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062744.D
Acq: 24 May 2019 13:46

Tgt Ion:105 Resp: 112
Ion Ratio Lower Upper
105 100
120 0.0 26.7 80.1#

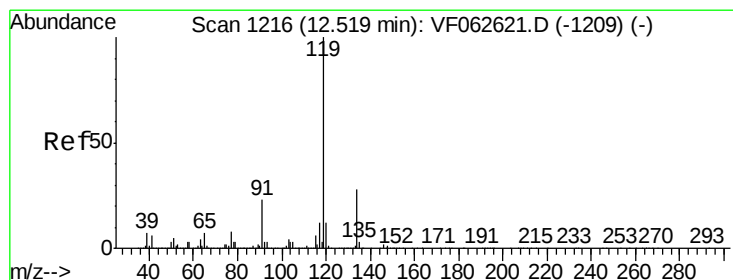
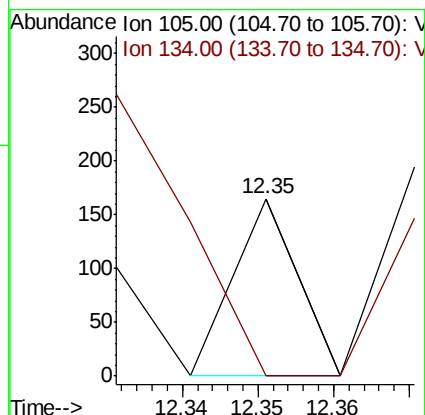
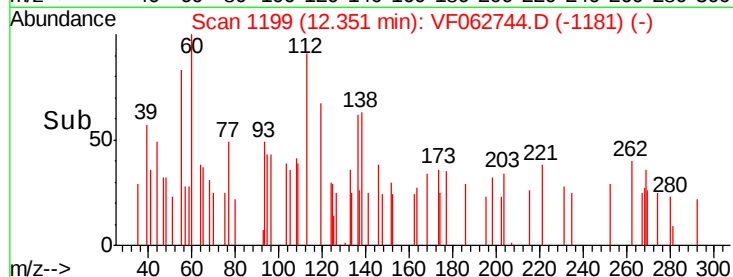
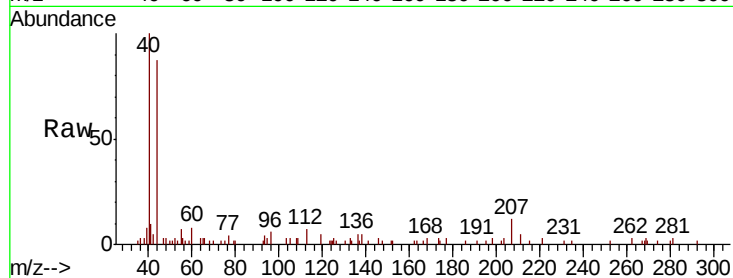




#85
 sec-Butylbenzene
 Concen: 6.958 ug/l
 RT: 12.35 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

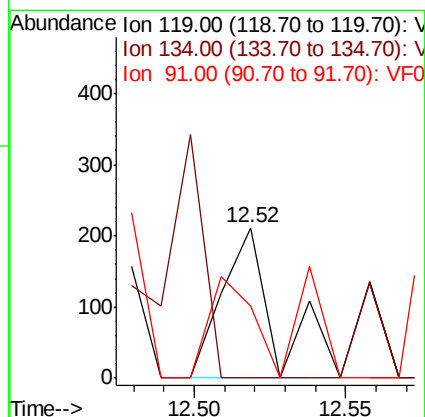
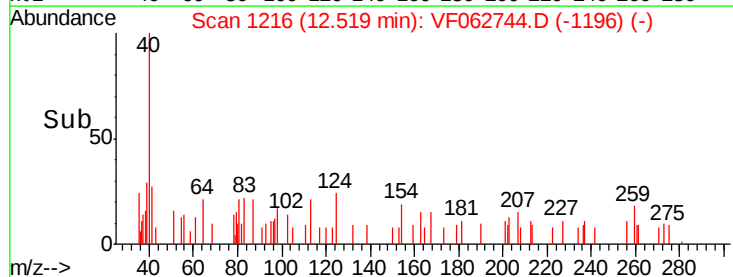
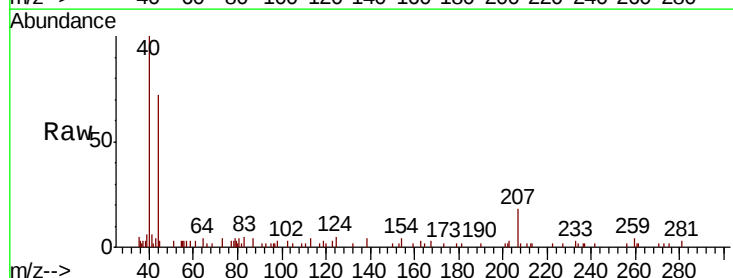
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

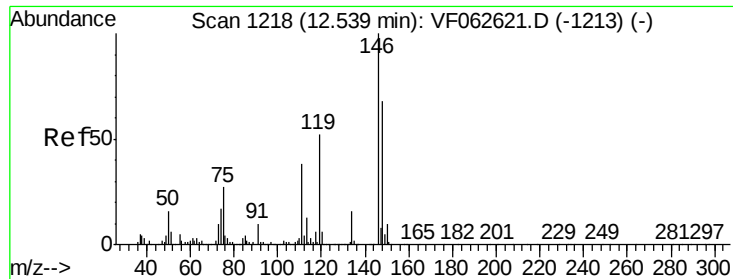
Tot Ion:105 Resp: 98
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 21.904 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion:119 Resp: 260
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 48.1 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 47.745 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

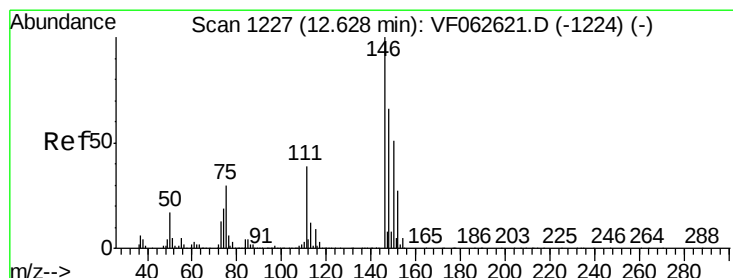
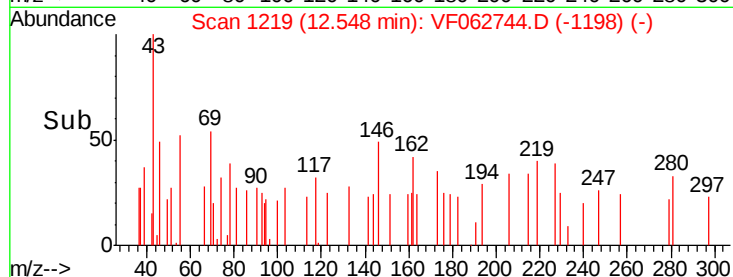
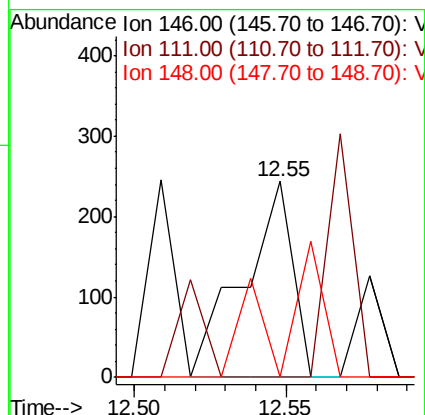
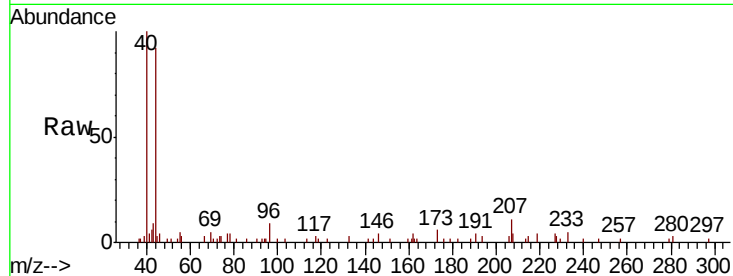
Lab File: VF062744.D

Acq: 24 May 2019 13:46

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

Tot Ion:146 Resp: 277

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 42.796 ug/l

RT: 12.62 min Scan# 1226

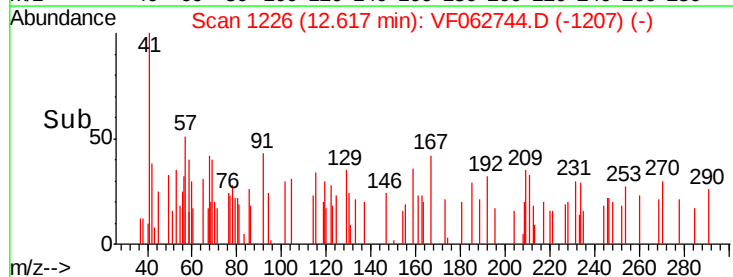
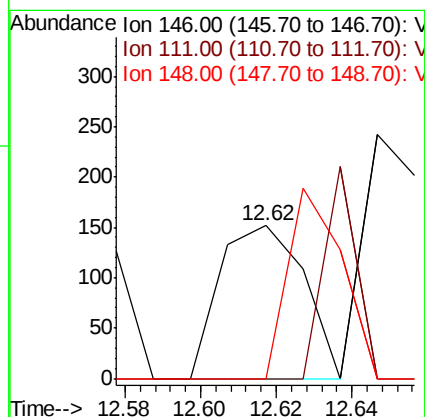
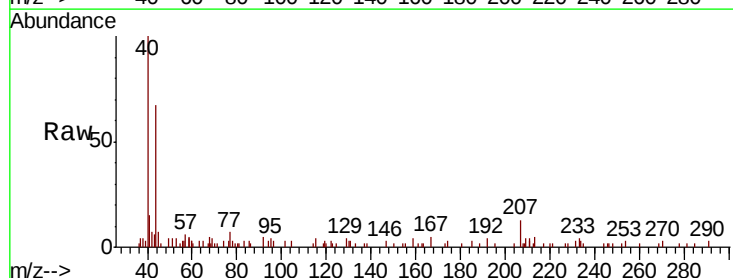
Delta R.T. -0.01 min

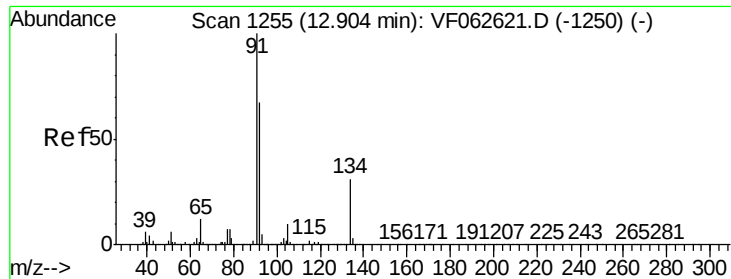
Lab File: VF062744.D

Acq: 24 May 2019 13:46

Tgt Ion:146 Resp: 233

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 11.279 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

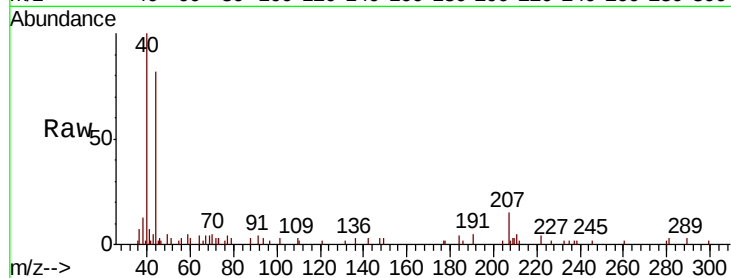
Tot Ion: 91 Resp: 132

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

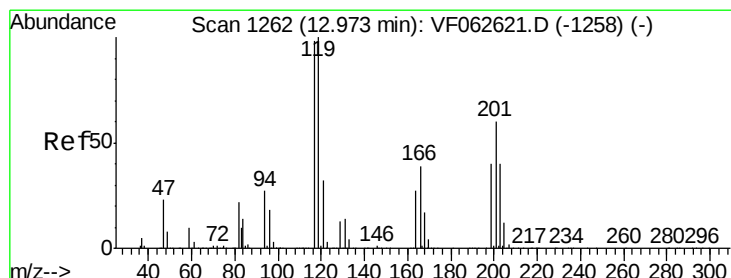
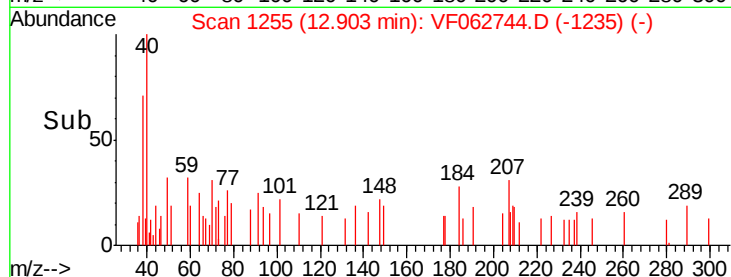
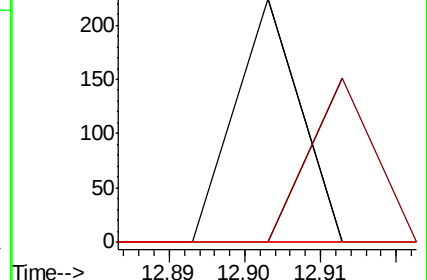
134 0.0 15.4 46.4#



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: 134.508 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062744.D

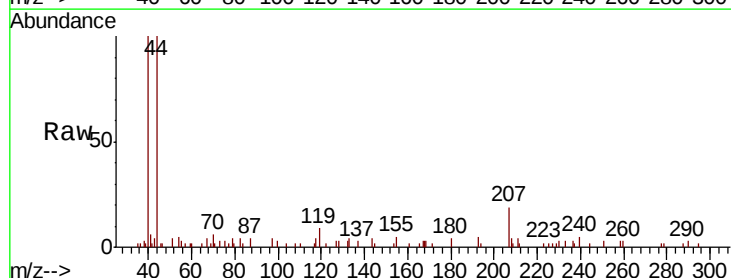
Acq: 24 May 2019 13:46

Tgt Ion: 117 Resp: 383

Ion Ratio Lower Upper

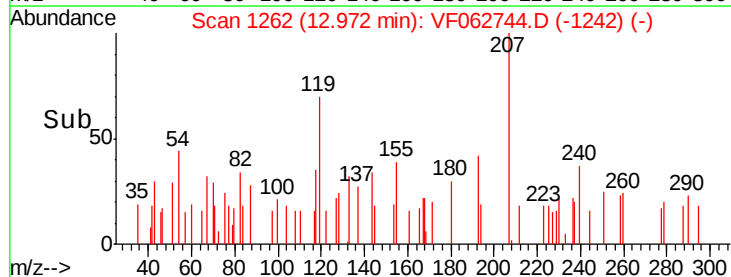
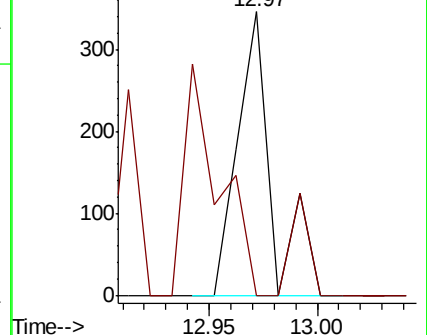
117 100

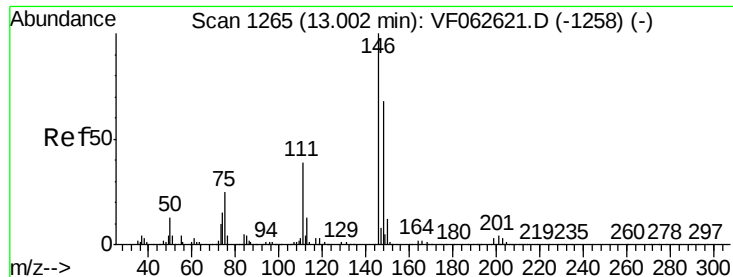
201 0.0 30.7 92.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 12.182 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

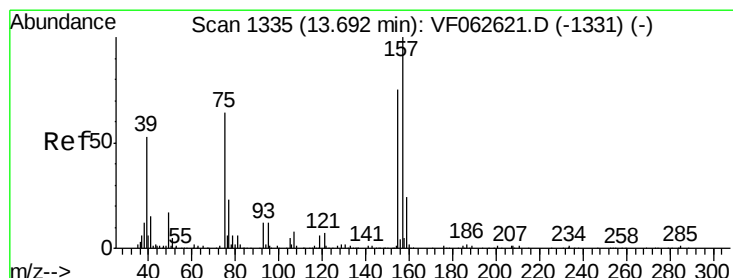
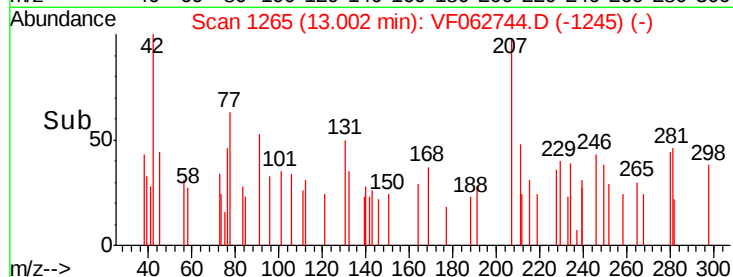
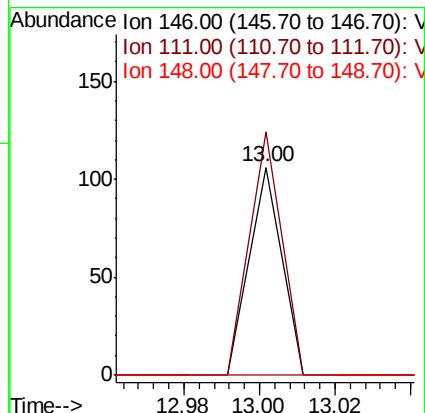
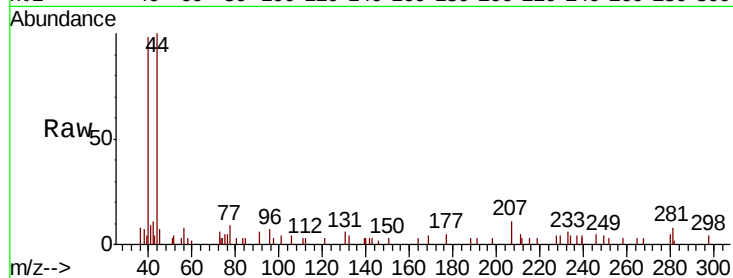
Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

Tot Ion:	146	Resp:	63
Ion	Ratio	Lower	Upper
146	100		
111	117.0	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 922.036 ug/l

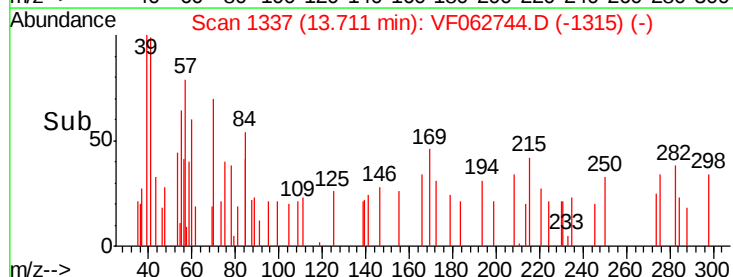
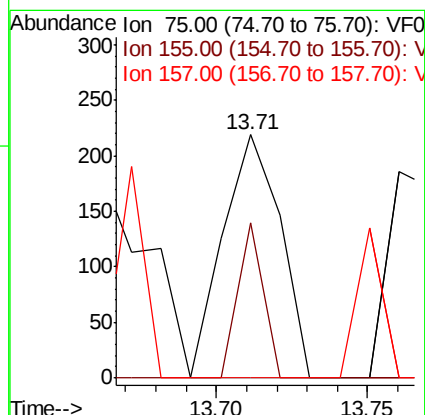
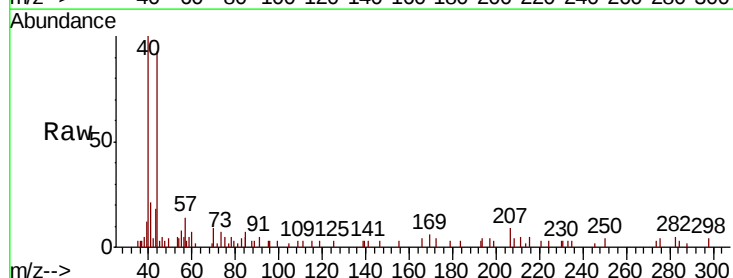
RT: 13.71 min Scan# 1337

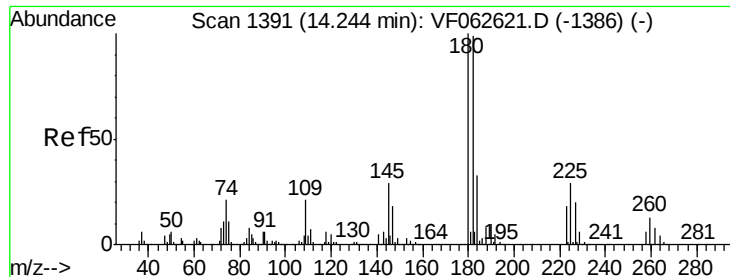
Delta R.T. 0.02 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Tgt Ion:	75	Resp:	290
Ion	Ratio	Lower	Upper
75	100		
155	63.9	58.1	174.3
157	0.0	77.8	233.4#

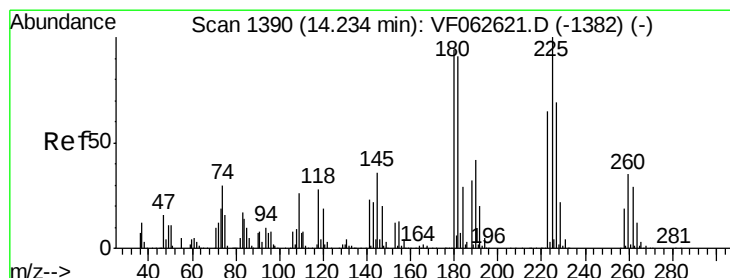
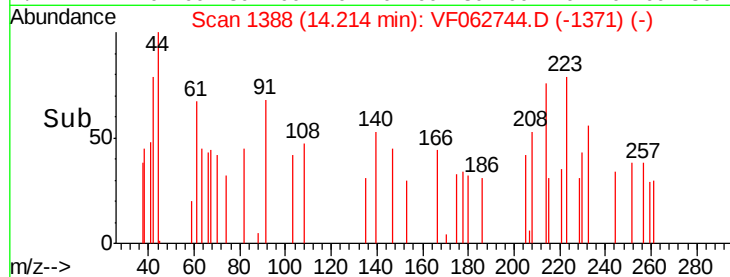
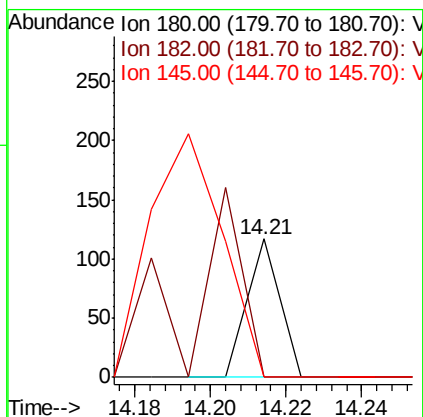
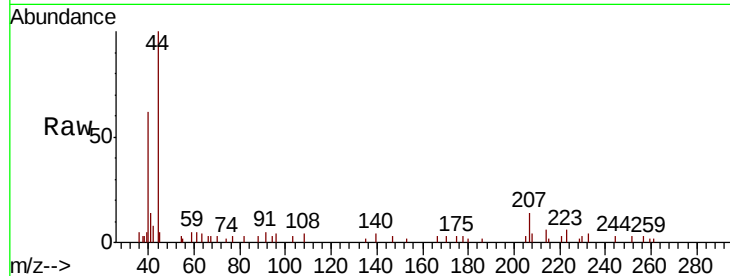




#93
 1,2,4-Trichlorobenzene
 Concen: 18.640 ug/l
 RT: 14.21 min Scan# 1388
 Delta R.T. -0.03 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

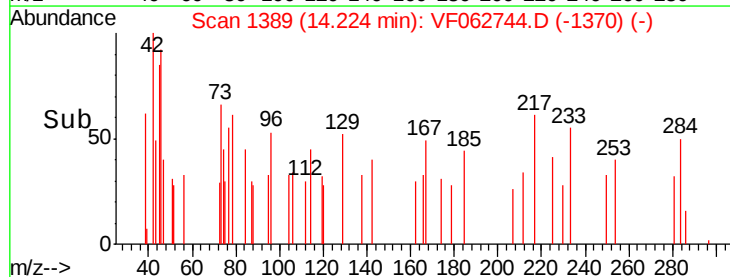
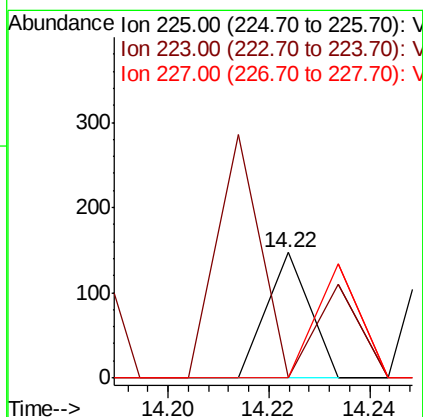
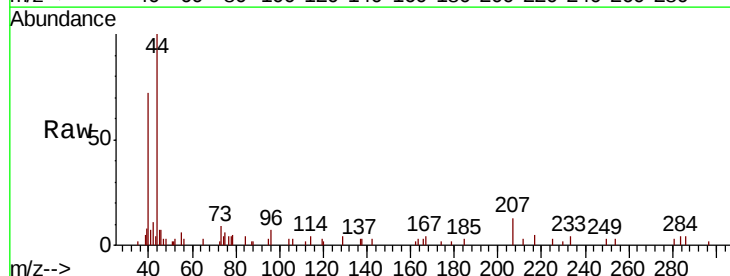
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

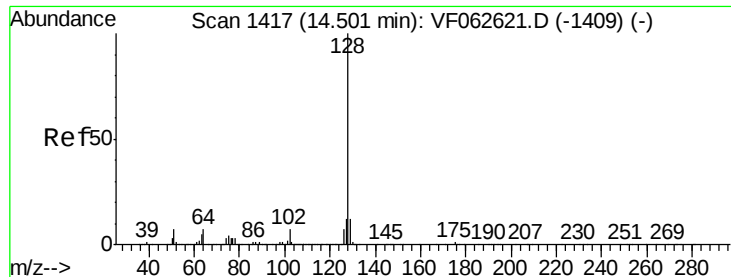
Tot Ion:180 Resp: 69
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 33.677 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062744.D
 Acq: 24 May 2019 13:46

Tgt Ion:225 Resp: 87
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#





#95

Naphthalene

Concen: 46.839 ug/l

RT: 14.47 min Scan# 1414

Delta R.T. -0.03 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

OR-03-052319-A

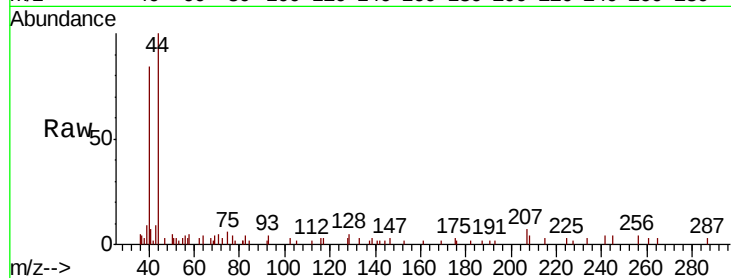
Tot Ion:128 Resp: 315

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

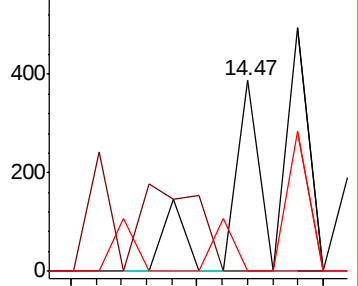
129 0.0 9.3 13.9#



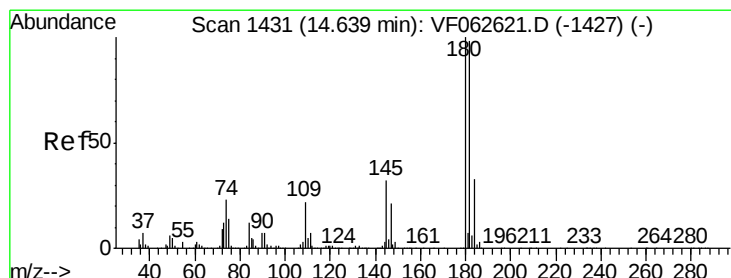
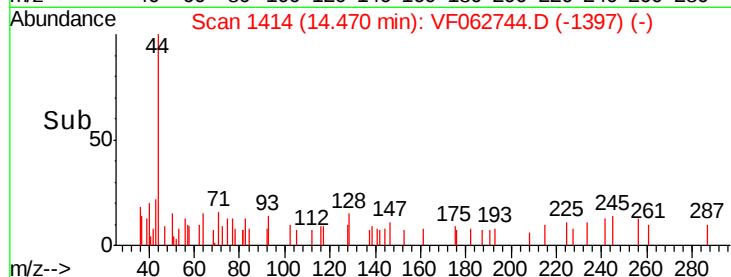
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 22.815 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062744.D

Acq: 24 May 2019 13:46

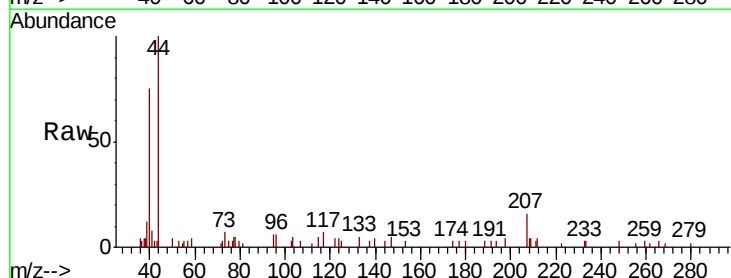
Tgt Ion:180 Resp: 80

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

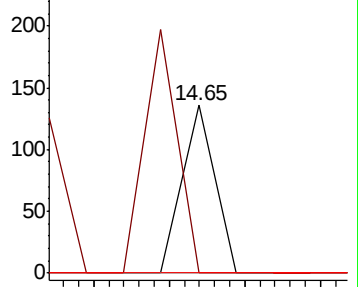
145 0.0 16.1 48.2#



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



Time-->

