

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062614.D
 Acq On : 15 May 2019 17:45
 Operator : FY/SY
 Sample : K2703-01
 Misc : 4.19g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 16 03:29:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	88	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	341	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	170	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	328	493.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	986.76%	
35) Dibromofluoromethane	4.36	113	62	24.43	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	48.86%	
50) Toluene-d8	7.70	98	694	116.04	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	232.08%	
62) 4-Bromofluorobenzene	11.50	95	657	314.56	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	629.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.07	85	415	590.634	ug/l	81
3) Chloromethane	1.26	50	581	578.935	ug/l	93
4) Vinyl Chloride	1.23	62	340	340.406	ug/l #	35
5) Bromomethane	1.35	94	551	Below Cal	#	63
6) Chloroethane	1.48	64	151	398.095	ug/l #	39
7) Trichlorofluoromethane	1.56	101	86	62.841	ug/l #	18
8) Diethyl Ether	1.73	74	390	1271.301	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.95	101	224	239.961	ug/l #	23
10) Methyl Iodide	1.96	142	73	43.909	ug/l #	1
11) Tert butyl alcohol	2.74	59	746	18638.037	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	260	325.143	ug/l #	11
13) Acrolein	2.21	56	406	15305.547	ug/l	88
14) Allyl chloride	2.22	41	2073	2533.520	ug/l #	78
15) Acrylonitrile	3.11	53	333	2325.764	ug/l #	54
16) Acetone	2.51	43	812	6019.375	ug/l	99
17) Carbon Disulfide	1.91	76	147	94.289	ug/l #	71
18) Methyl Acetate	2.45	43	1205	4829.151	ug/l #	86
19) Methyl tert-butyl Ether	2.53	73	1415	993.840	ug/l	94
20) Methylene Chloride	2.34	84	592	Below Cal	#	38
21) trans-1,2-Dichloroethene	2.46	96	723	897.158	ug/l #	23
22) Diisopropyl ether	2.98	45	1175	617.618	ug/l #	79
23) Vinyl Acetate	3.39	43	1793	1723.062	ug/l #	75
24) 1,1-Dichloroethane	3.01	63	476	328.673	ug/l #	30
25) 2-Butanone	4.39	43	628	2059.205	ug/l	94
26) 2,2-Dichloropropane	3.76	77	890	1138.674	ug/l	88
27) cis-1,2-Dichloroethene	3.67	96	518	454.955	ug/l	1
28) Bromochloromethane	3.91	49	392	481.528	ug/l	96
29) Tetrahydrofuran	4.27	42	312	2417.562	ug/l #	86
30) Chloroform	4.06	83	290	166.878	ug/l #	20
31) Cyclohexane	3.88	56	487	322.640	ug/l #	1
32) 1,1,1-Trichloroethane	4.33	97	148	126.348	ug/l #	22
36) 1,1-Dichloropropene	4.50	75	308	104.383	ug/l #	1
37) Ethyl Acetate	4.32	43	1486	1225.525	ug/l #	2
38) Carbon Tetrachloride	4.21	117	319	131.790	ug/l #	51

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.65	83	215	62.233	ug/l #	1
40) Benzene	4.74	78	392	46.698	ug/l	96
41) Methacrylonitrile	4.99	41	336	489.338	ug/l #	53
42) 1,2-Dichloroethane	5.16	62	99	55.576	ug/l	71
43) Isopropyl Acetate	7.14	43	866	603.550	ug/l #	40
44) Trichloroethene	5.73	130	181	79.841	ug/l	3
45) 1,2-Dichloropropane	6.41	63	80	37.862	ug/l #	42
46) Dibromomethane	6.26	93	467	395.320	ug/l #	5
47) Bromodichloromethane	6.58	83	257	101.200	ug/l #	26
48) Methyl methacrylate	6.89	41	171	217.726	ug/l #	33
49) 1,4-Dioxane	6.90	88	240	23189.151	ug/l #	15
51) 4-Methyl-2-Pentanone	8.43	43	532	506.014	ug/l #	1
52) Toluene	7.80	92	178	42.242	ug/l	79
53) t-1,3-Dichloropropene	8.43	75	273	136.073	ug/l #	43
54) cis-1,3-Dichloropropene	7.48	75	102	35.977	ug/l #	1
55) 1,1,2-Trichloroethane	8.66	97	467	370.142	ug/l #	26
56) Ethyl methacrylate	8.75	69	361	261.062	ug/l #	1
57) 1,3-Dichloropropane	9.02	76	135	64.829	ug/l #	55
58) 2-Chloroethyl Vinyl ether	7.46	63	395	912.943	ug/l #	53
59) 2-Hexanone	9.71	43	263	378.765	ug/l	64
60) Dibromochloromethane	8.84	129	134	83.593	ug/l	91
61) 1,2-Dibromoethane	9.17	107	121	95.621	ug/l #	3
64) Tetrachloroethene	8.33	164	98	15.828	ug/l #	35
65) Chlorobenzene	9.92	112	159	9.761	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	9.95	131	83	12.405	ug/l	80
67) Ethyl Benzene	10.05	91	298	10.296	ug/l #	44
68) m/p-Xylenes	10.29	106	320	31.194	ug/l #	1
69) o-Xylene	10.83	106	432	40.144	ug/l	56
70) Styrene	10.92	104	266	16.268	ug/l #	19
71) Bromoform	10.91	173	991	314.564	ug/l	68
73) Isopropylbenzene	11.23	105	789	69.027	ug/l	99
74) N-amyl acetate	11.47	43	632	227.714	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	11.74	83	368	157.153	ug/l #	73
76) 1,2,3-Trichloropropane	11.89	75	298	198.507	ug/l #	1
77) Bromobenzene	11.61	156	528	204.410	ug/l	76
78) n-propylbenzene	11.70	91	555	40.822	ug/l #	52
79) 2-Chlorotoluene	11.86	91	489	65.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.87	105	436	48.729	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	227	354.766	ug/l #	1
82) 4-Chlorotoluene	11.99	91	396	53.976	ug/l	79
83) tert-Butylbenzene	12.21	119	656	70.091	ug/l #	18
84) 1,2,4-Trimethylbenzene	12.26	105	930	105.813	ug/l	73
85) sec-Butylbenzene	12.38	105	345	27.151	ug/l #	59
86) p-Isopropyltoluene	12.67	119	463	44.265	ug/l	89
87) 1,3-Dichlorobenzene	12.55	146	338	66.902	ug/l	73
88) 1,4-Dichlorobenzene	12.55	146	338	71.319	ug/l	73
89) n-Butylbenzene	12.91	91	580	54.475	ug/l #	69
90) Hexachloroethane	13.03	117	755	281.793	ug/l	66
91) 1,2-Dichlorobenzene	13.03	146	302	67.381	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	366	1272.438	ug/l #	42

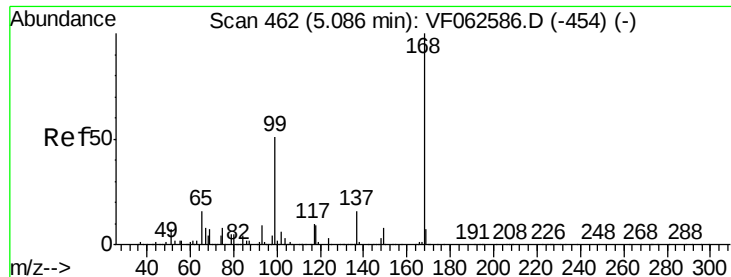
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Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	96	30.802	ug/l #	1
94) Hexachlorobutadiene	14.26	225	273	120.580	ug/l #	42
95) Naphthalene	14.52	128	949	187.072	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.68	180	102	35.277	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

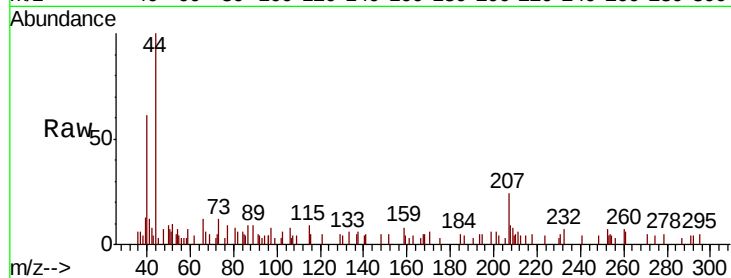
ClientSampleId :

Tot Ion:168 Resp: 88

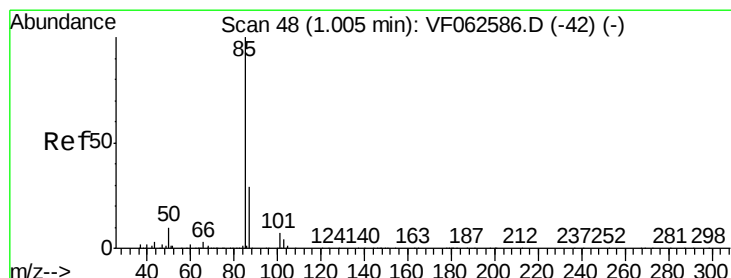
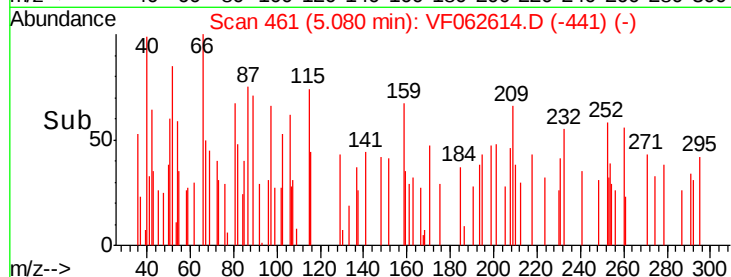
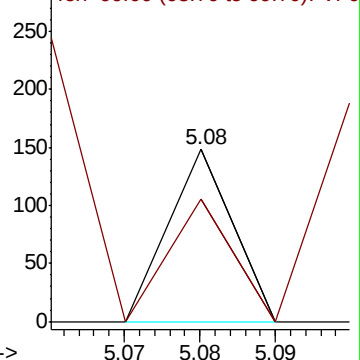
Ion Ratio Lower Upper

168 100

99 71.6 41.0 61.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 590.634 ug/l

RT: 1.07 min Scan# 54

Delta R.T. 0.06 min

Lab File: VF062614.D

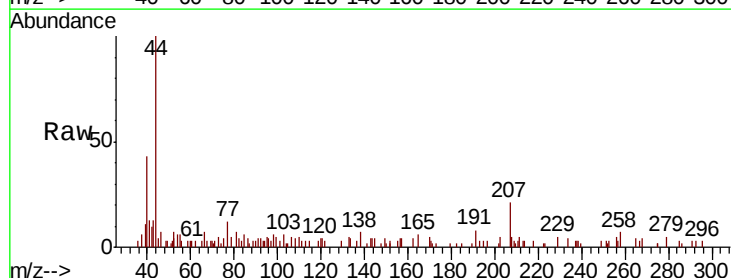
Acq: 15 May 2019 17:45

Tgt Ion: 85 Resp: 415

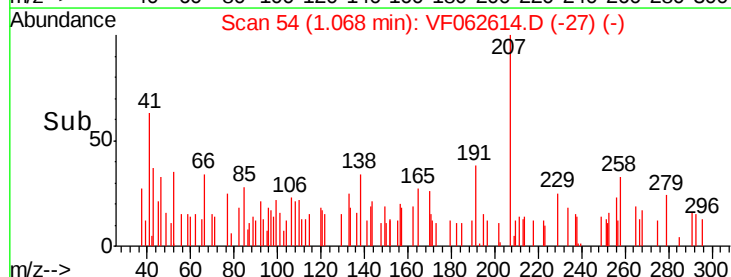
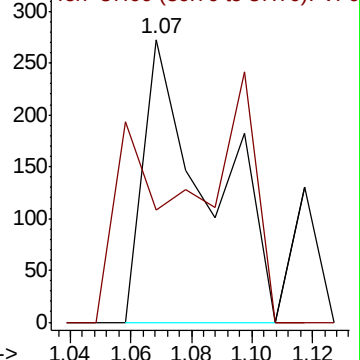
Ion Ratio Lower Upper

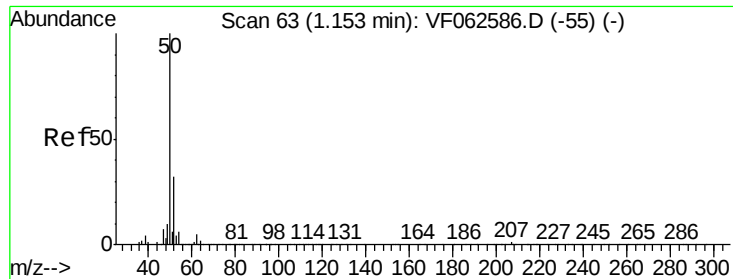
85 100

87 39.6 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 578.935 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.10 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

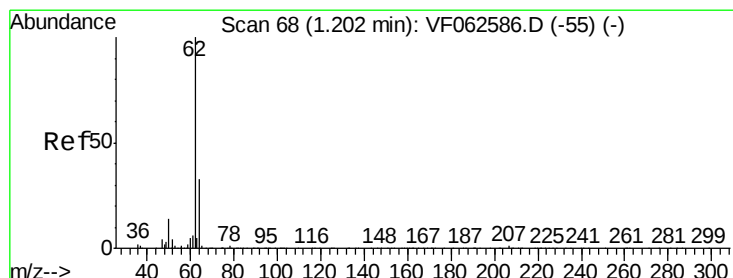
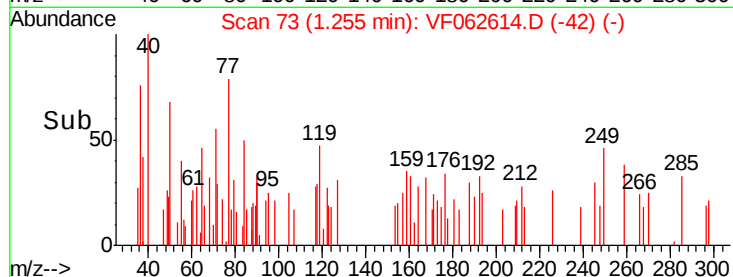
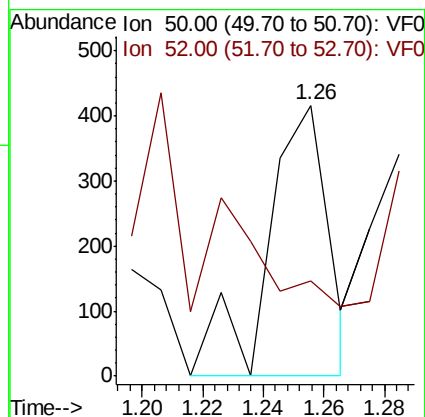
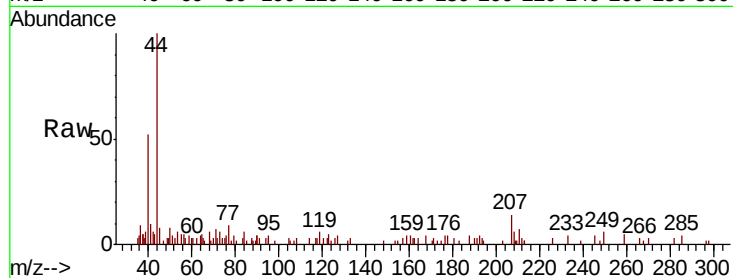
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 581

Ion Ratio Lower Upper

50 100

52 35.3 25.3 37.9



#4

Vinyl Chloride

Concen: 340.406 ug/l

RT: 1.23 min Scan# 70

Delta R.T. 0.02 min

Lab File: VF062614.D

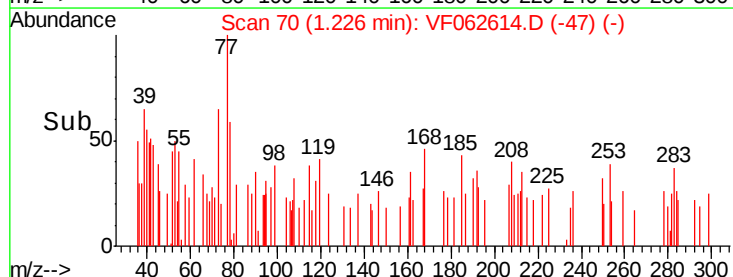
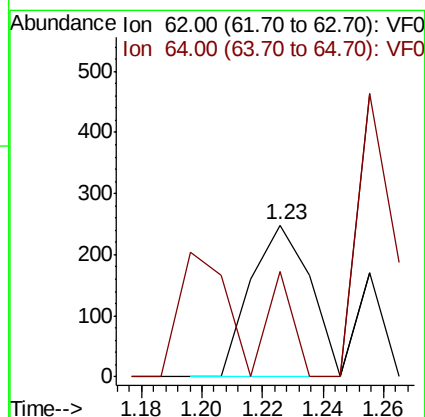
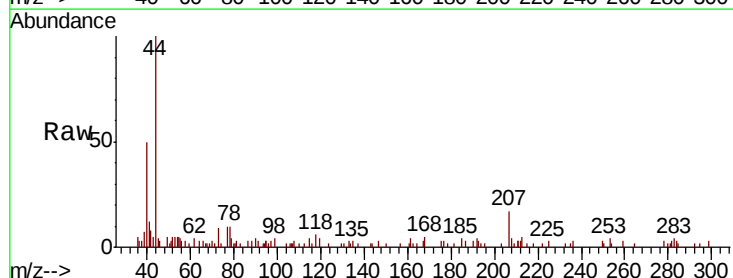
Acq: 15 May 2019 17:45

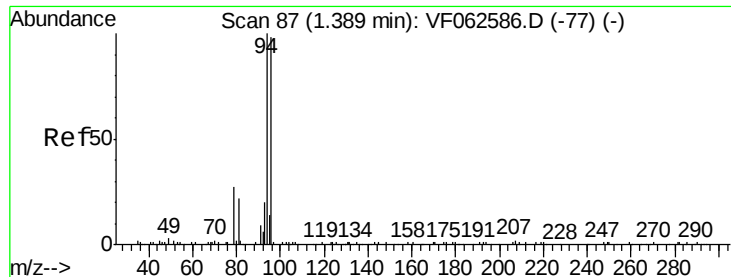
Tgt Ion: 62 Resp: 340

Ion Ratio Lower Upper

62 100

64 69.8 26.5 39.7#





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 83

Delta R.T. -0.03 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

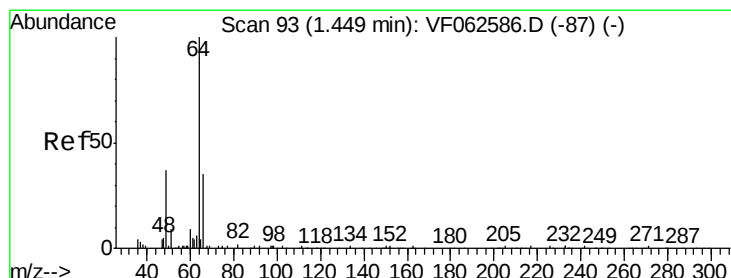
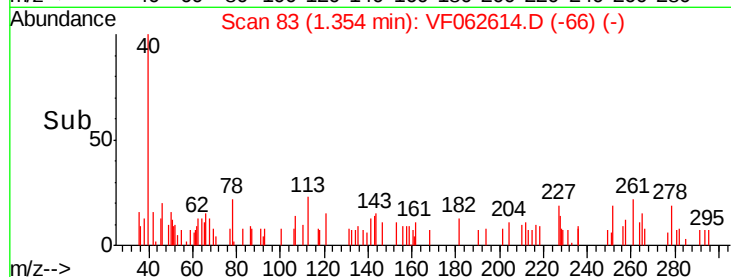
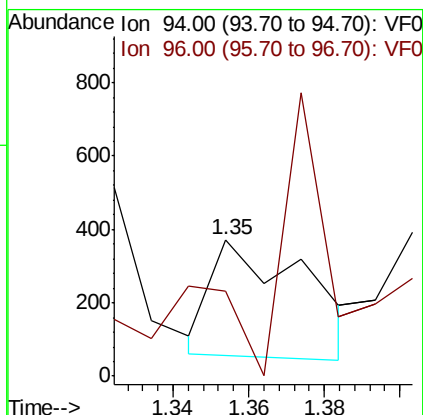
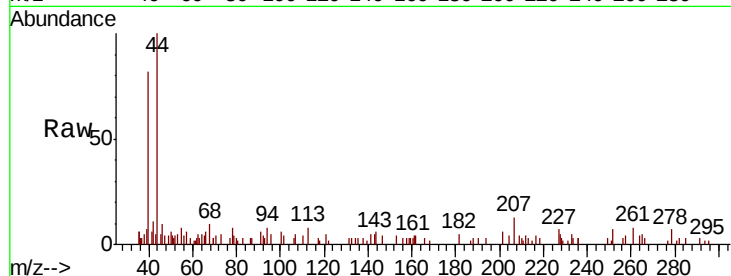
ClientSampled :

Tot Ion: 94 Resp: 551

Ion Ratio Lower Upper

94 100

96 62.6 79.3 118.9#



#6

Chloroethane

Concen: 398.095 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.03 min

Lab File: VF062614.D

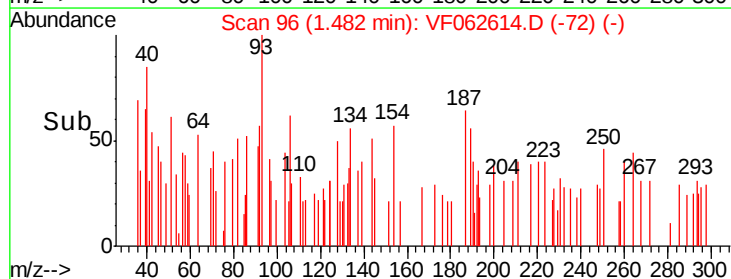
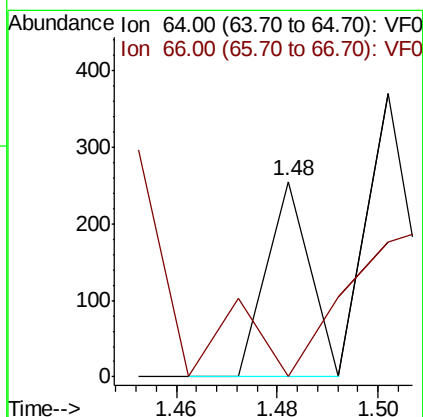
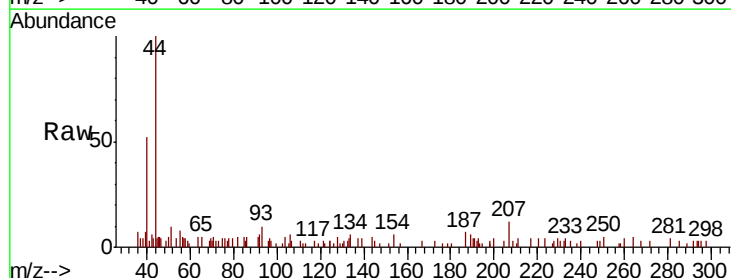
Acq: 15 May 2019 17:45

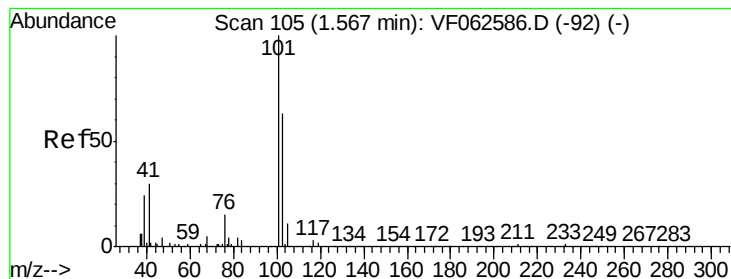
Tgt Ion: 64 Resp: 151

Ion Ratio Lower Upper

64 100

66 0.0 28.9 43.3#



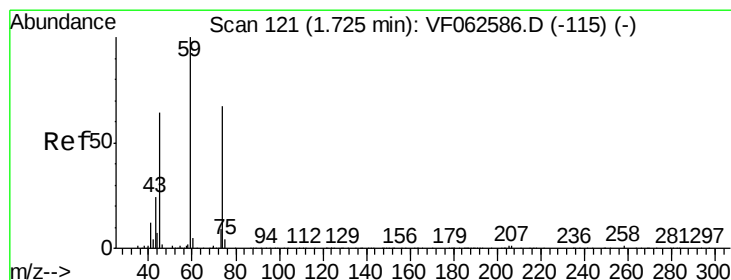
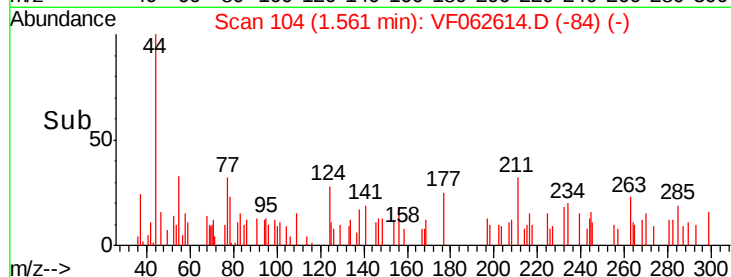
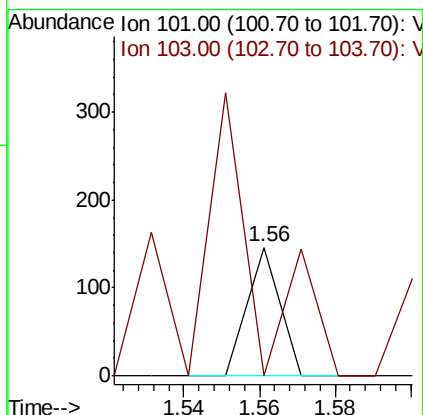
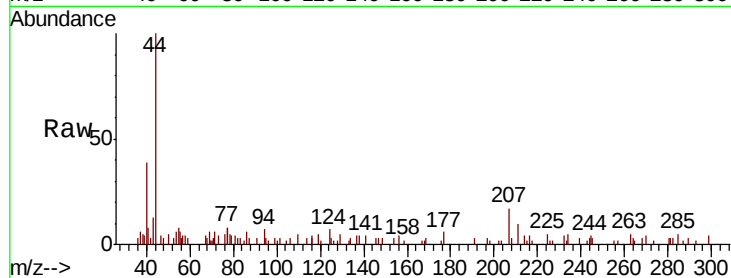


#7

Trichlorofluoromethane
Concen: 62.841 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

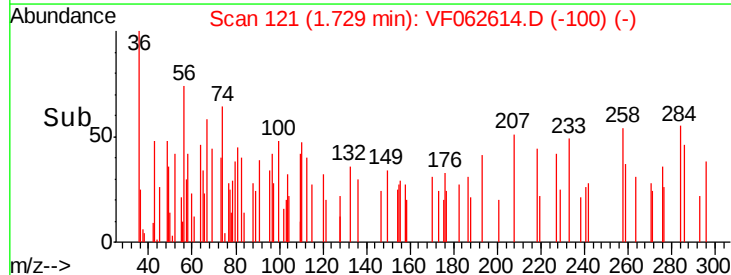
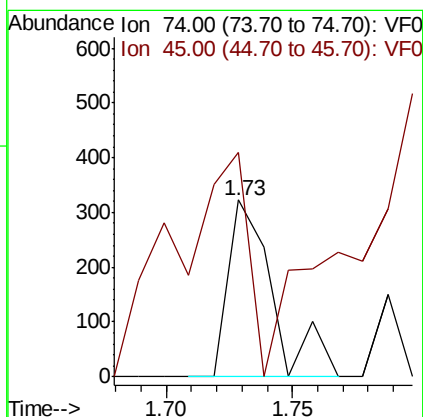
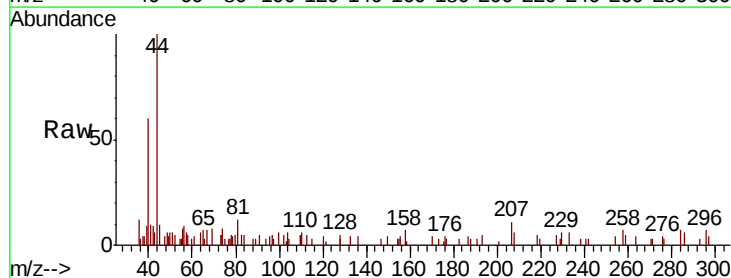
Tot Ion:101 Resp: 86
Ion Ratio Lower Upper
101 100
103 0.0 50.8 76.2#

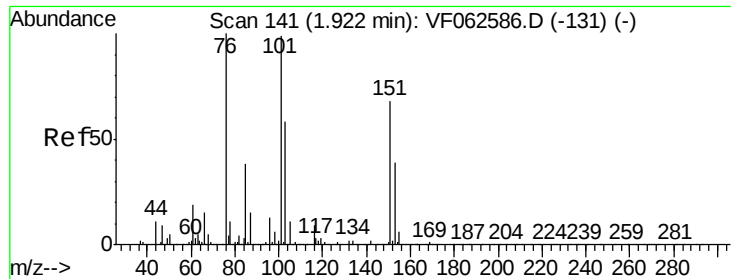


#8

Diethyl Ether
Concen: 1271.301 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 74 Resp: 390
Ion Ratio Lower Upper
74 100
45 127.0 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 239.961 ug/l

RT: 1.95 min Scan# 143

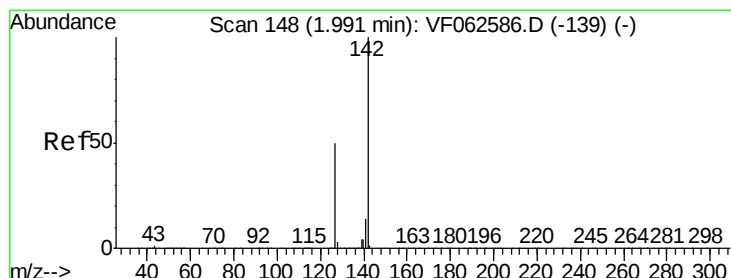
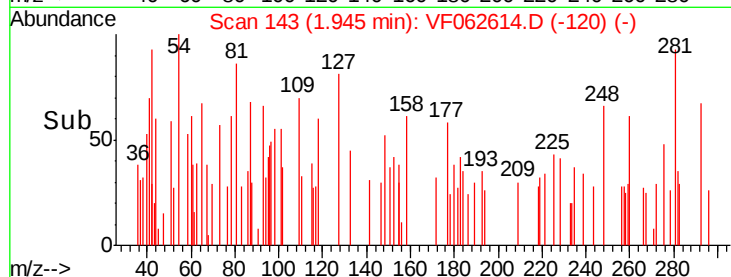
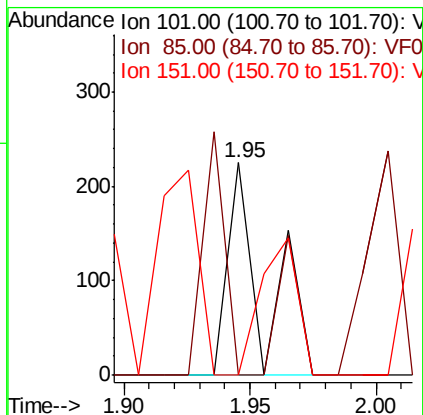
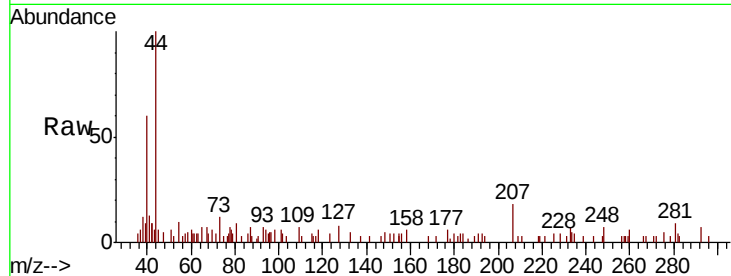
Delta R.T. 0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	101	Resp:	224
Ion	Ratio	Lower	Upper
101	100		
85	0.0	30.2	45.4#
151	0.0	54.5	81.7#



#10

Methyl Iodide

Concen: 43.909 ug/l

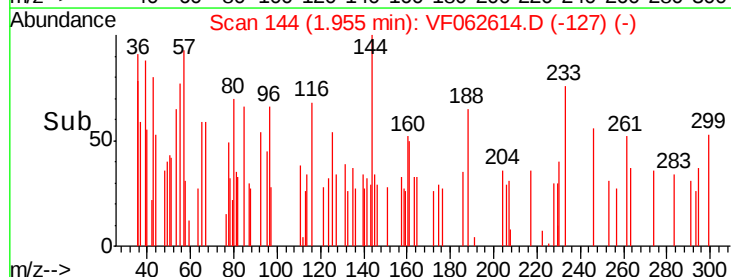
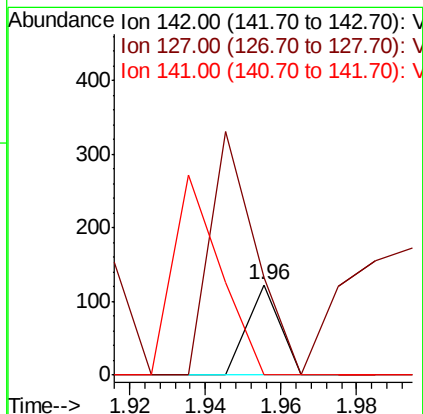
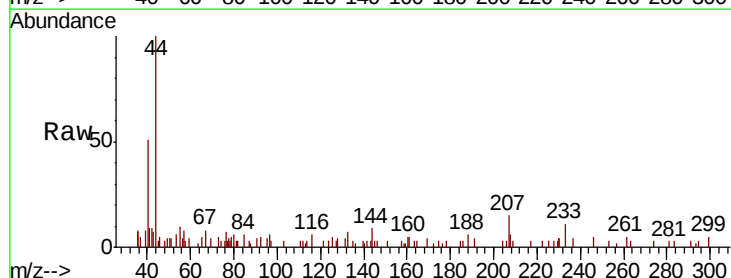
RT: 1.96 min Scan# 144

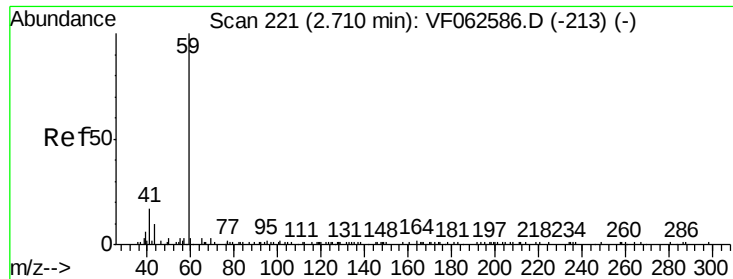
Delta R.T. -0.04 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion:	142	Resp:	73
Ion	Ratio	Lower	Upper
142	100		
127	107.3	40.2	60.4#
141	100.0	11.6	17.4#



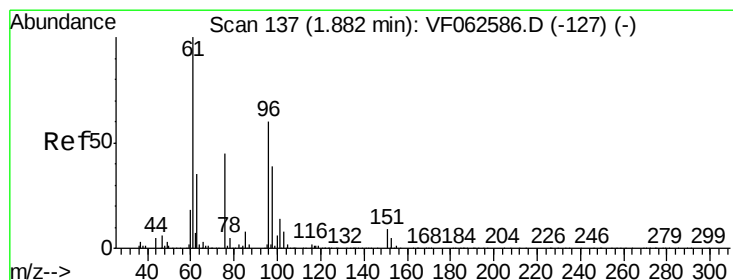
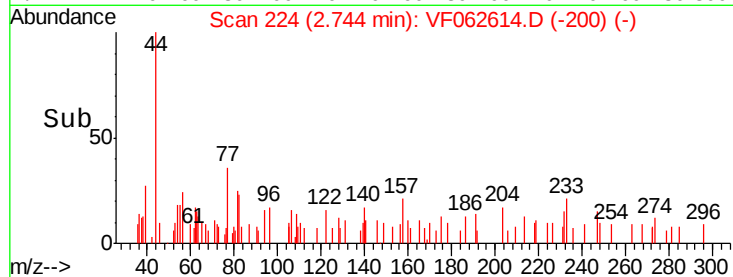
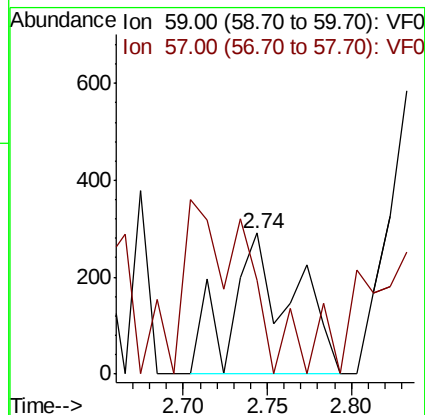
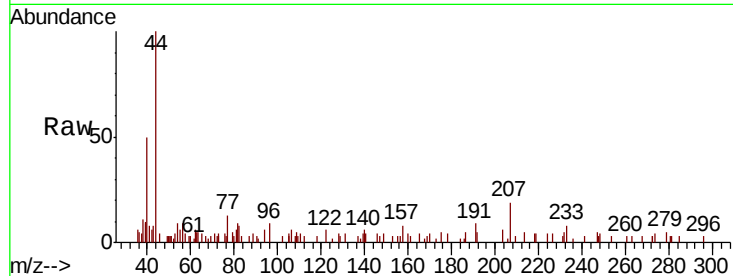


#11

Tert butyl alcohol
Concen: 18638.037 ug/l
RT: 2.74 min Scan# 224
Delta R.T. 0.03 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

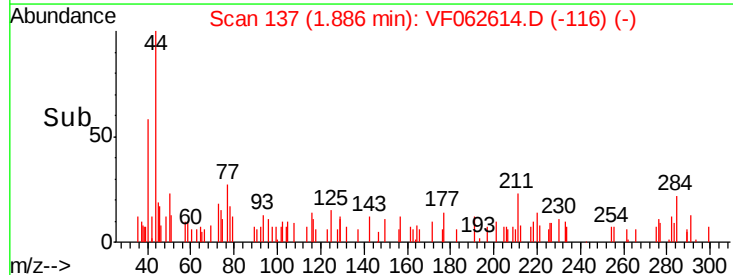
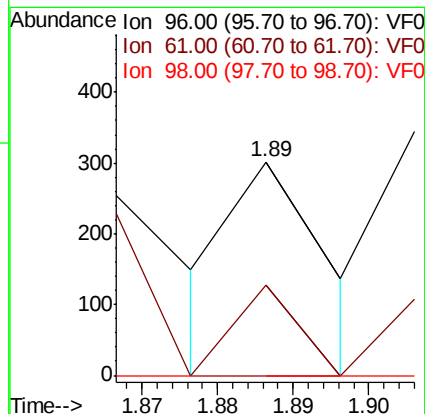
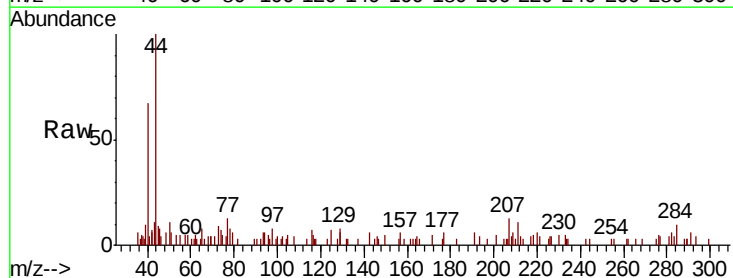
Tot Ion: 59 Resp: 746
Ion Ratio Lower Upper
59 100
57 66.3 8.0 12.0#

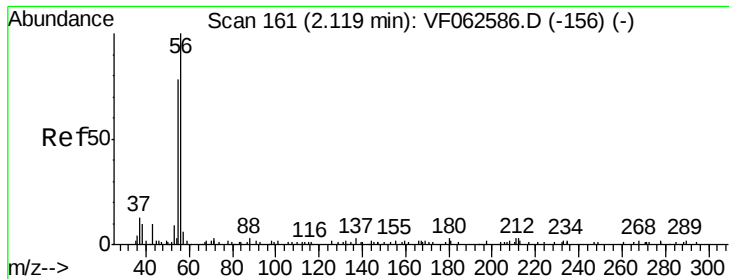


#12

1,1-Dichloroethene
Concen: 325.143 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 96 Resp: 260
Ion Ratio Lower Upper
96 100
61 42.4 132.0 198.0#
98 0.0 51.3 76.9#





#13

Acrolein

Concen: 15305.547 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.09 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

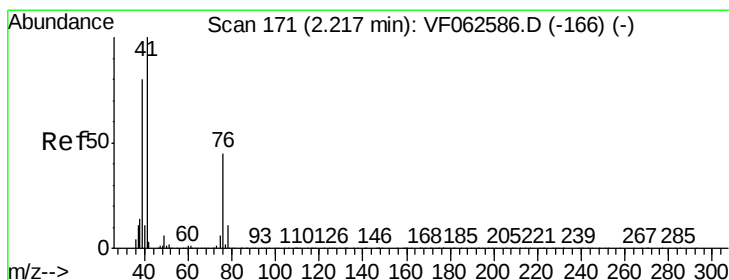
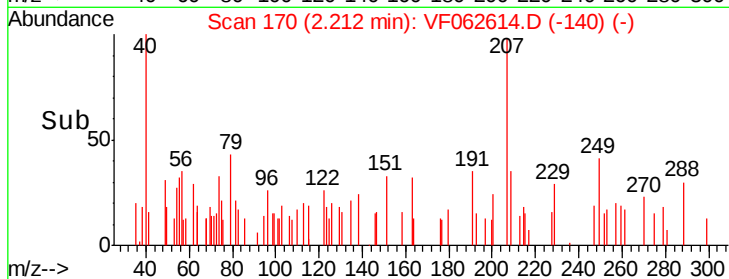
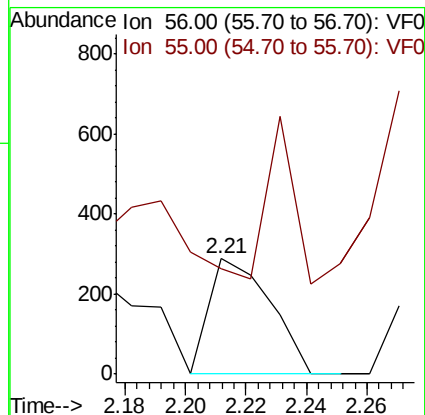
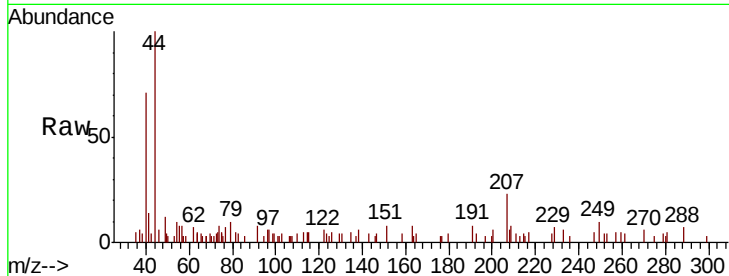
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 406

Ion Ratio Lower Upper

56 100

55 91.7 64.6 96.8



#14

Allyl chloride

Concen: 2533.520 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

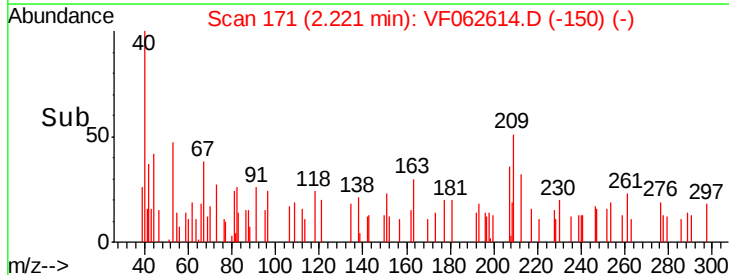
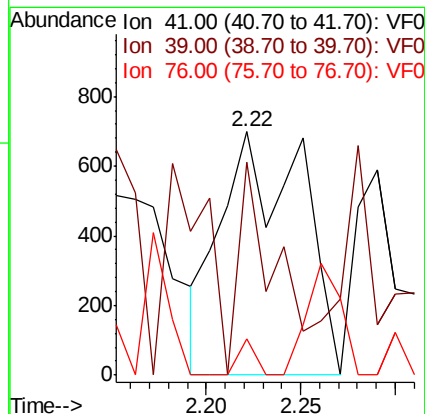
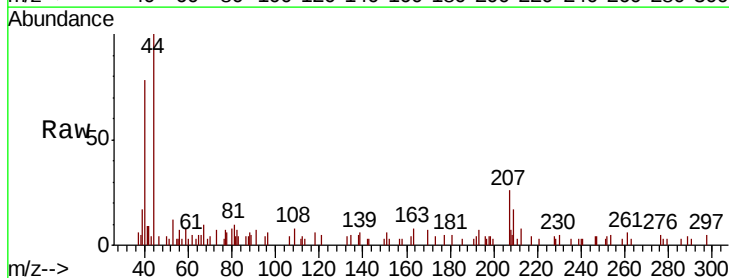
Tgt Ion: 41 Resp: 2073

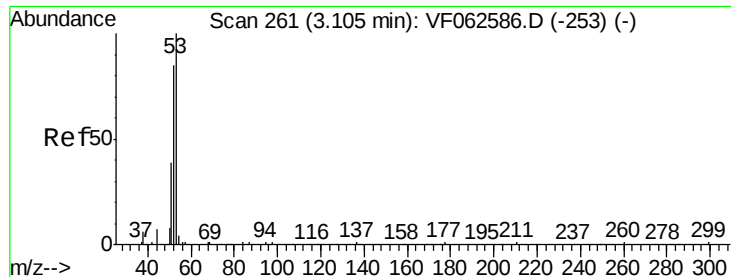
Ion Ratio Lower Upper

41 100

39 87.7 64.6 96.8

76 15.0 36.1 54.1#





#15

Acrylonitrile

Concen: 2325.764 ug/l

RT: 3.11 min Scan# 261

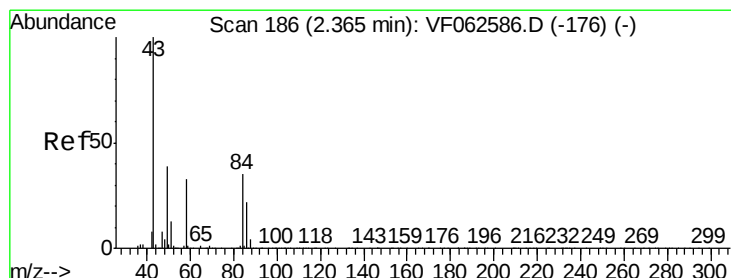
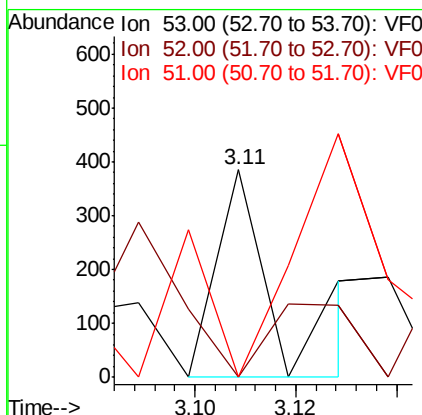
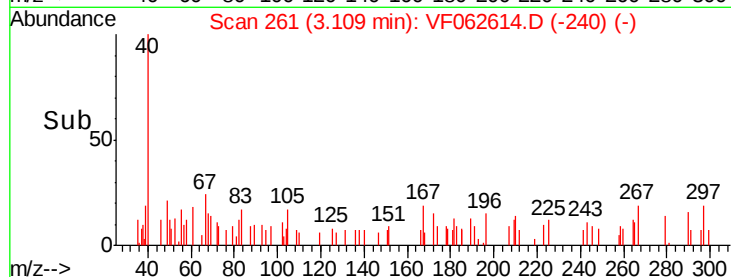
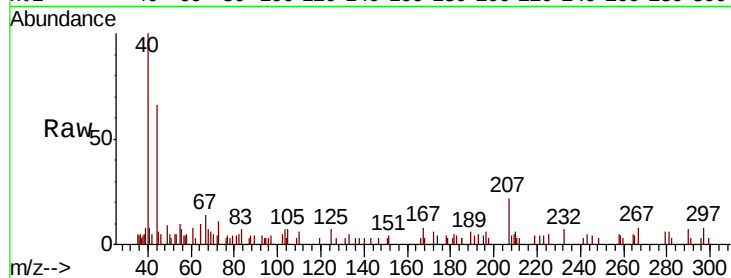
Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	333
Ion	Ratio	Lower	Upper
53	100		
52	50.9	68.3	102.5#
51	0.0	31.5	47.3#



#16

Acetone

Concen: 6019.375 ug/l

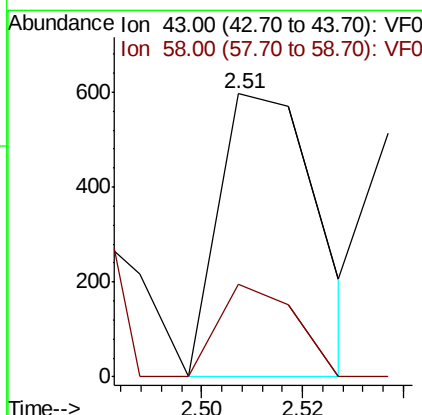
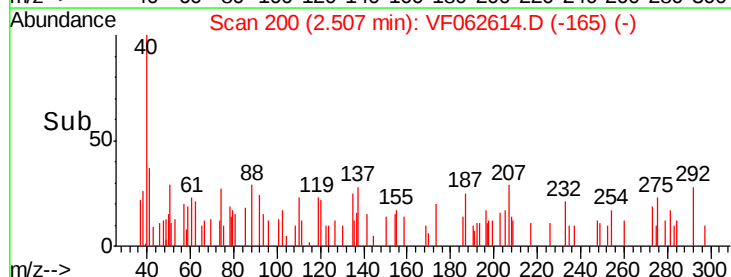
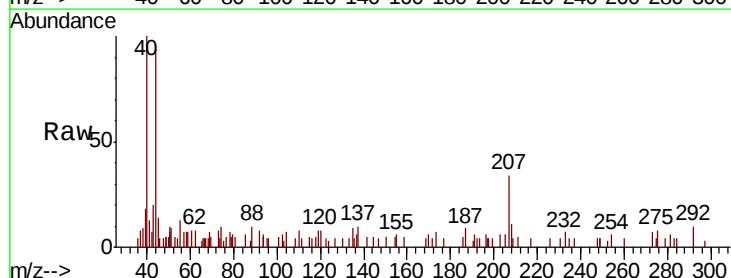
RT: 2.51 min Scan# 200

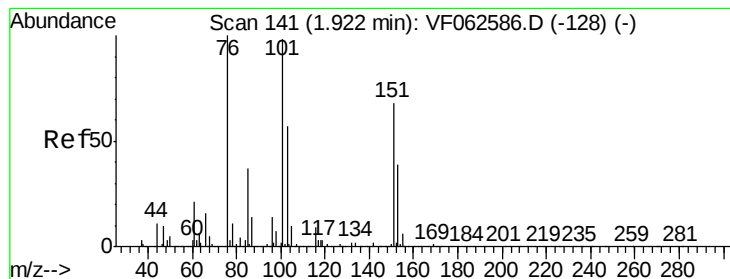
Delta R.T. 0.14 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion:	43	Resp:	812
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.7	40.1





#17

Carbon Disulfide

Concen: 94.289 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

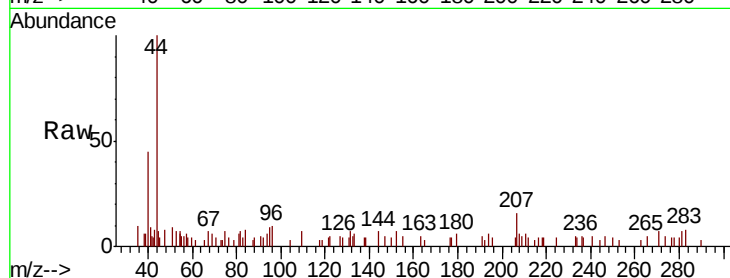
ClientSampleId :

Tot Ion: 76 Resp: 147

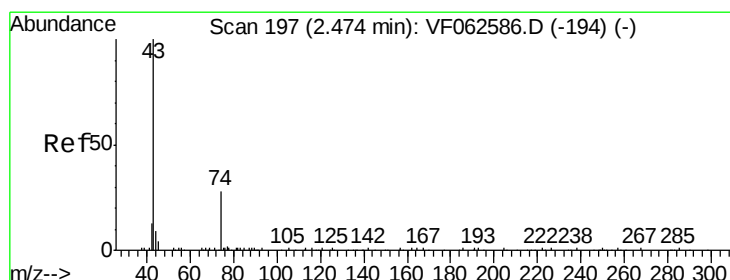
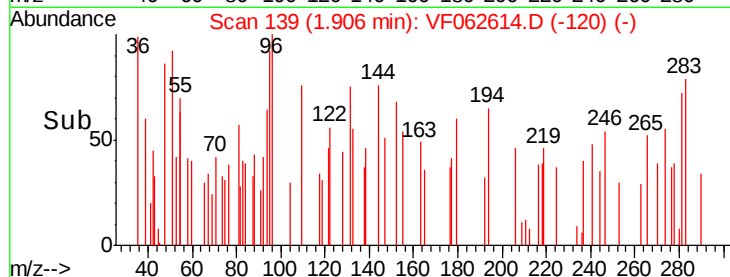
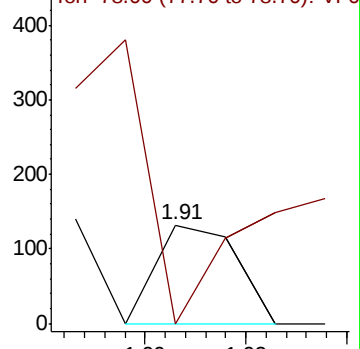
Ion Ratio Lower Upper

76 100

78 0.0 9.0 13.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0



#18

Methyl Acetate

Concen: 4829.151 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.02 min

Lab File: VF062614.D

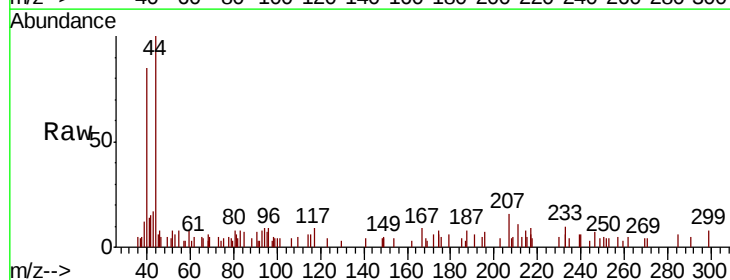
Acq: 15 May 2019 17:45

Tgt Ion: 43 Resp: 1205

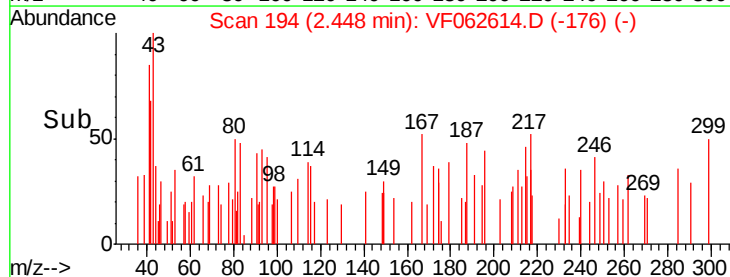
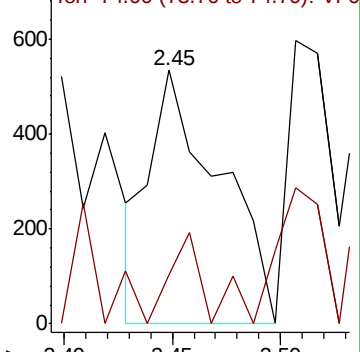
Ion Ratio Lower Upper

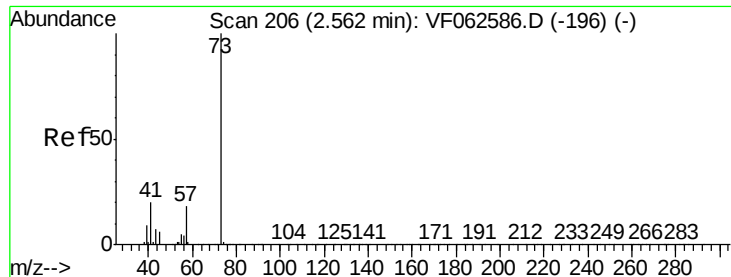
43 100

74 19.4 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

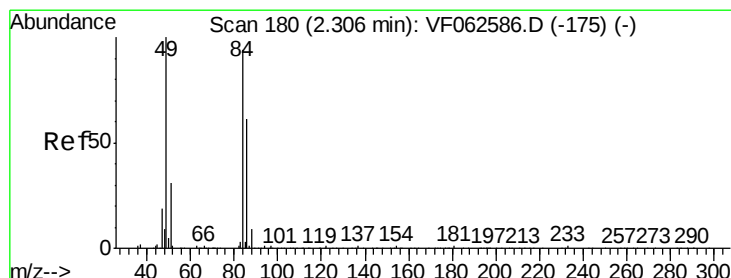
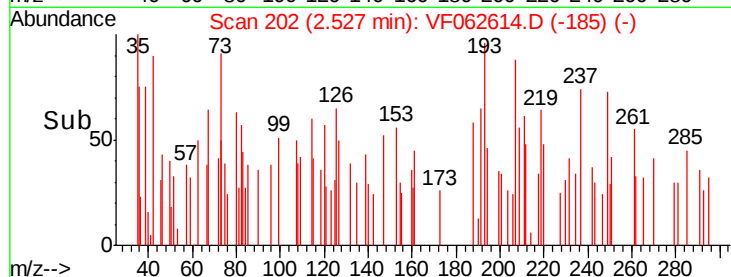
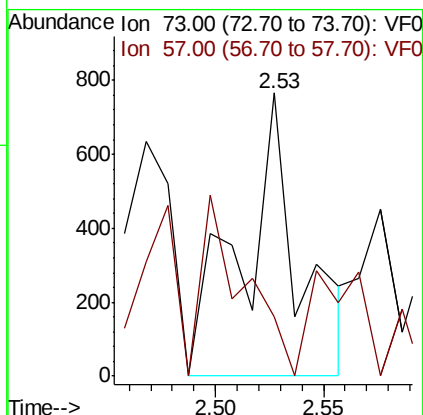
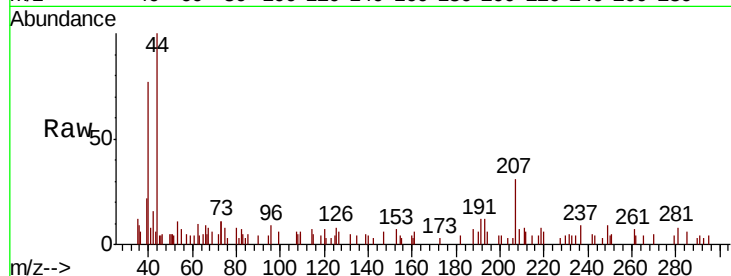




#19
Methvl tert-butvl Ether
Concen: 993.840 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.04 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

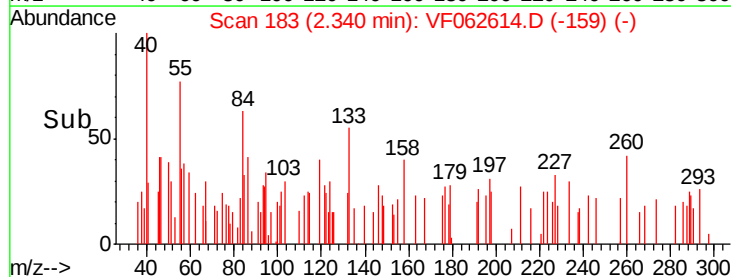
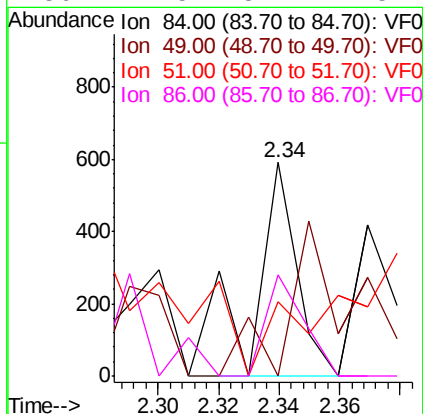
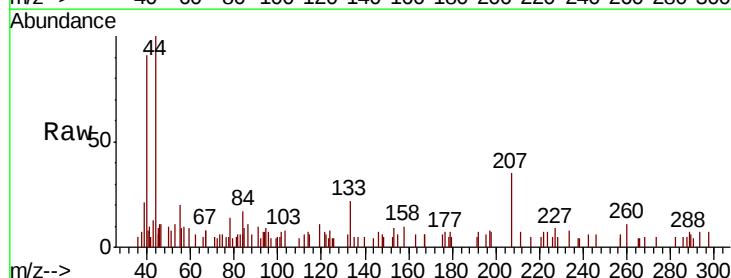
Instrument :
MSVOA_F
ClientSampleId :

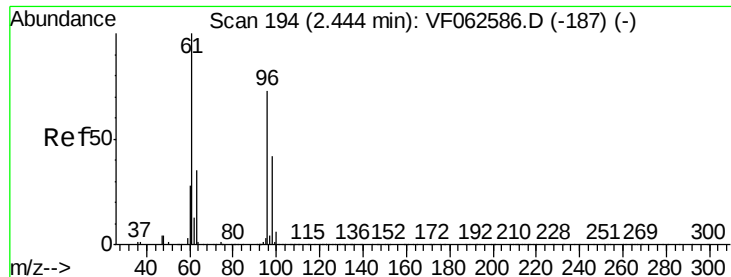
Tot Ion: 73 Resp: 1415
Ion Ratio Lower Upper
73 100
57 20.8 14.6 22.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. 0.03 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 84 Resp: 592
Ion Ratio Lower Upper
84 100
49 0.0 86.9 130.3#
51 34.8 27.0 40.6
86 47.5 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 897.158 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

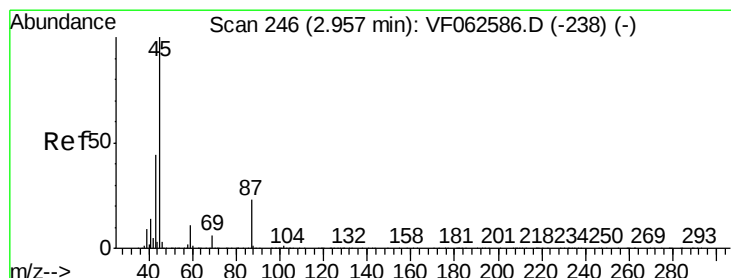
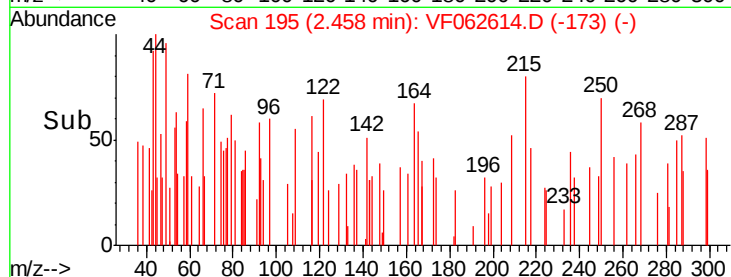
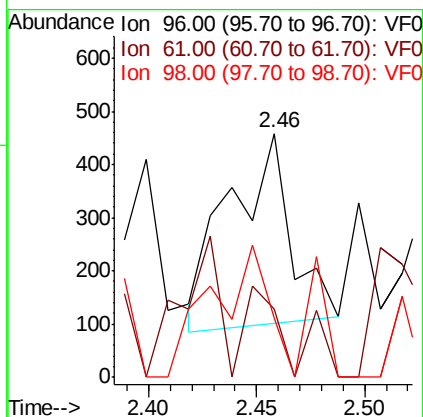
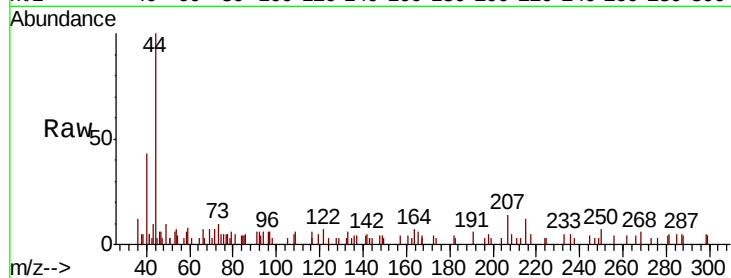
Tot Ion: 96 Resp: 723

Ion Ratio Lower Upper

96 100

61 27.9 109.2 163.8#

98 24.5 46.3 69.5#



#22

Diisopropyl ether

Concen: 617.618 ug/l

RT: 2.98 min Scan# 248

Delta R.T. 0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion: 45 Resp: 1175

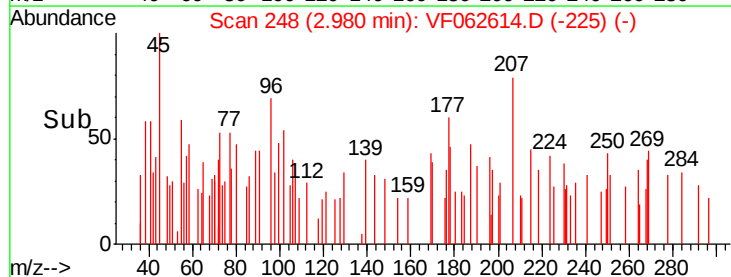
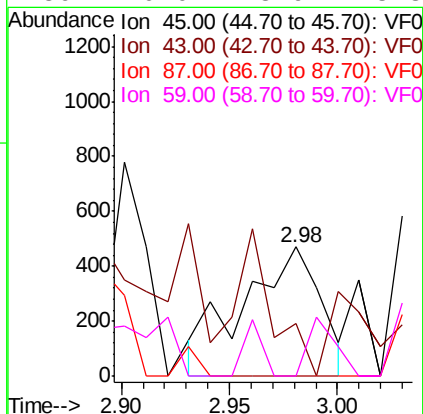
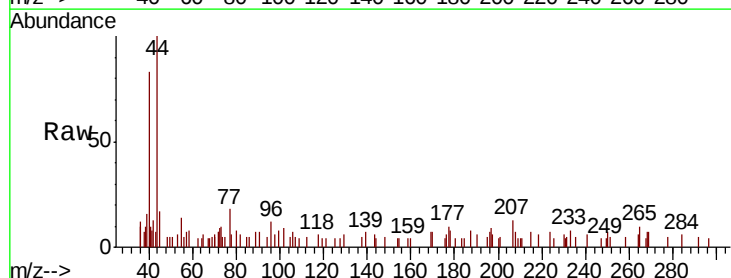
Ion Ratio Lower Upper

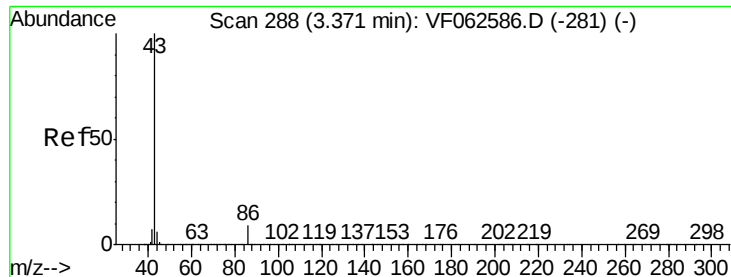
45 100

43 40.9 35.4 53.0

87 0.0 18.4 27.6#

59 0.0 8.9 13.3#





#23

Vinyl Acetate

Concen: 1723.062 ug/l

RT: 3.39 min Scan# 290

Delta R.T. 0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

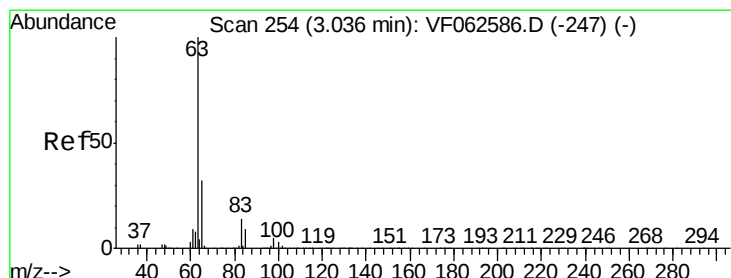
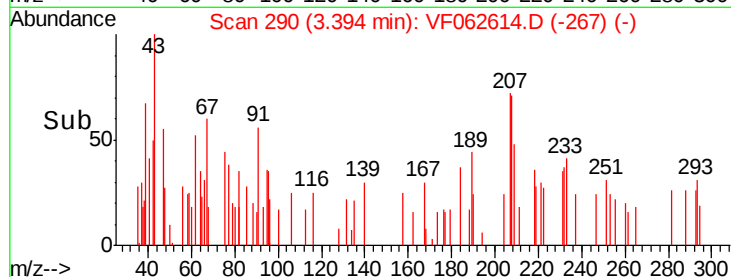
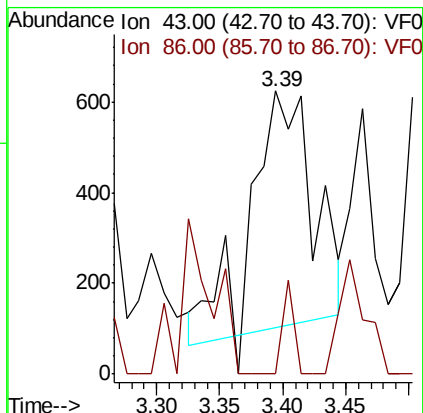
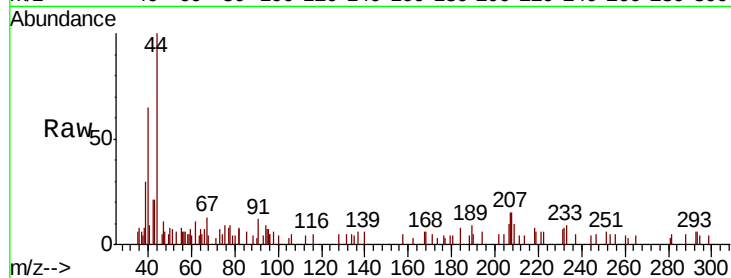
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



#24

1,1-Dichloroethane

Concen: 328.673 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.03 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

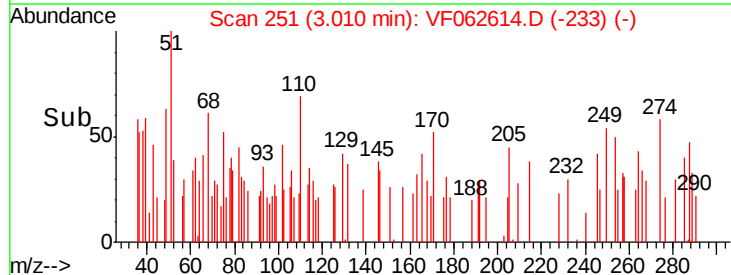
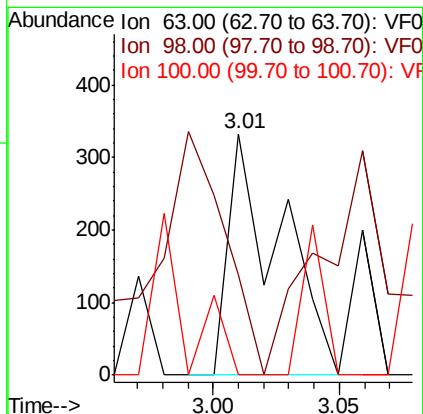
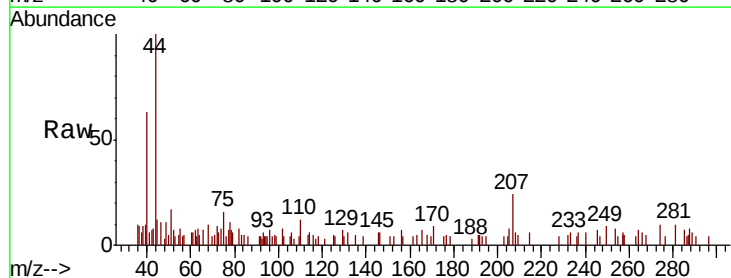
Tgt Ion: 63 Resp: 476

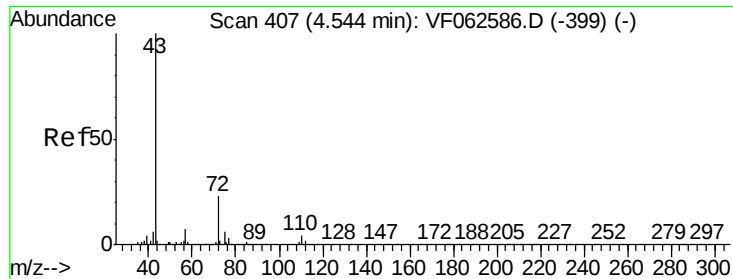
Ion Ratio Lower Upper

63 100

98 41.4 2.6 7.8#

100 0.0 1.7 5.1#

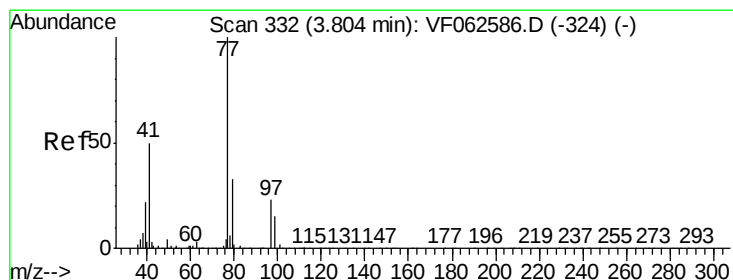
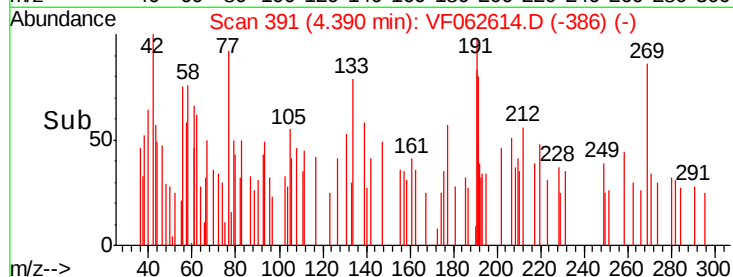
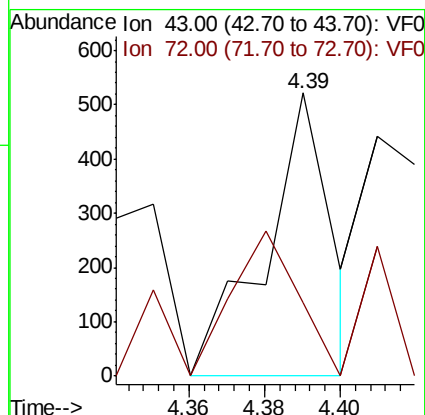
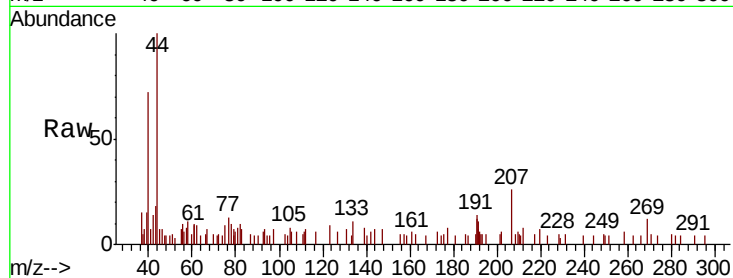




#25
2-Butanone
Concen: 2059.205 ug/l
RT: 4.39 min Scan# 391
Delta R.T. -0.15 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

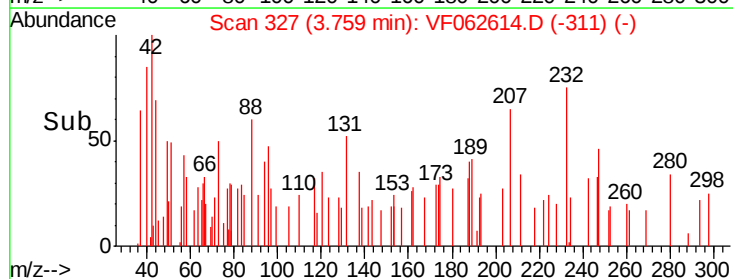
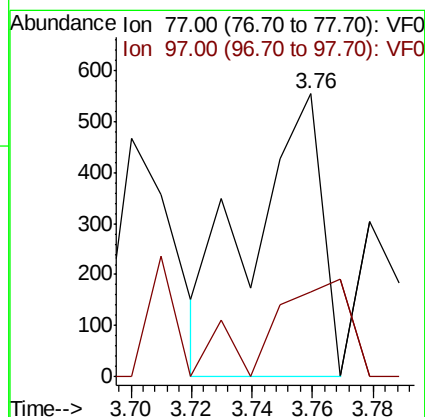
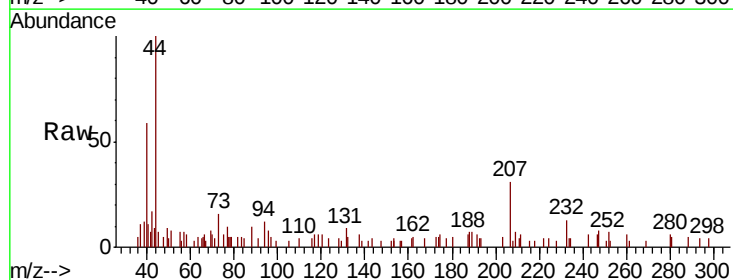
Instrument :
MSVOA_F
ClientSampled :

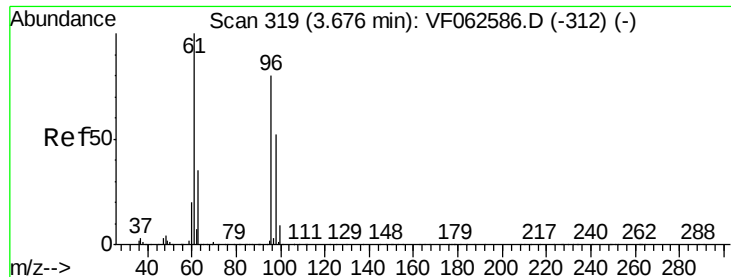
Tot Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
72 26.1 18.5 27.7



#26
2,2-Dichloropropane
Concen: 1138.674 ug/l
RT: 3.76 min Scan# 327
Delta R.T. -0.05 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 77 Resp: 890
Ion Ratio Lower Upper
77 100
97 30.1 12.0 36.0



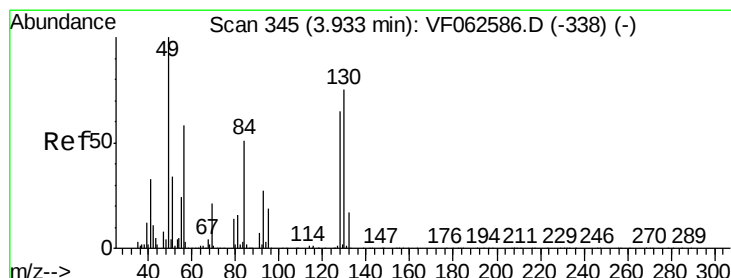
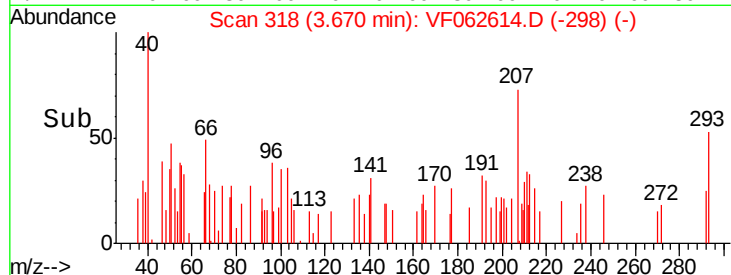
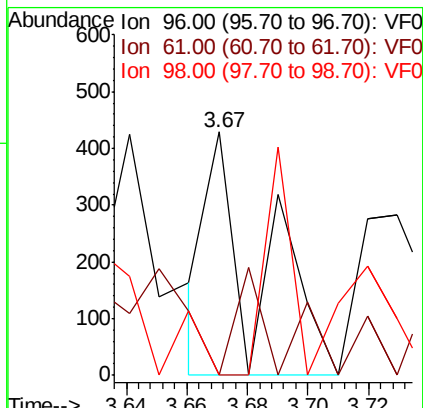
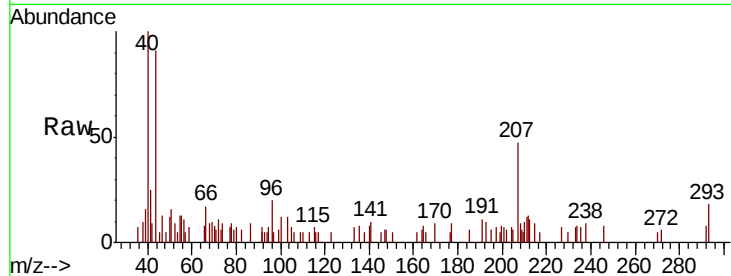


#27

cis-1,2-Dichloroethene
 Concen: 454.955 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VF062614.D
 Acq: 15 May 2019 17:45

Instrument :
 MSVOA_F
 ClientSampled :

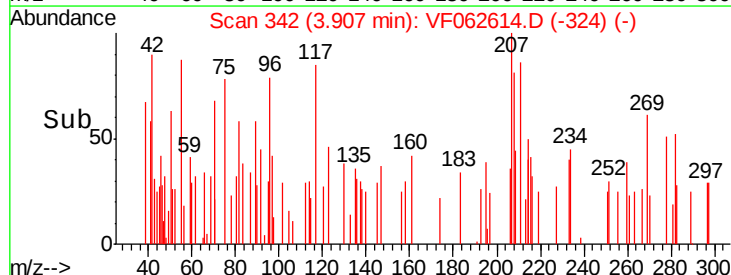
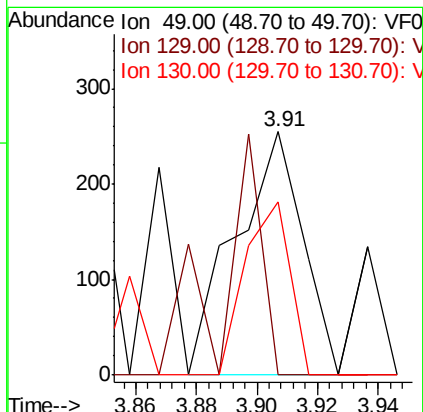
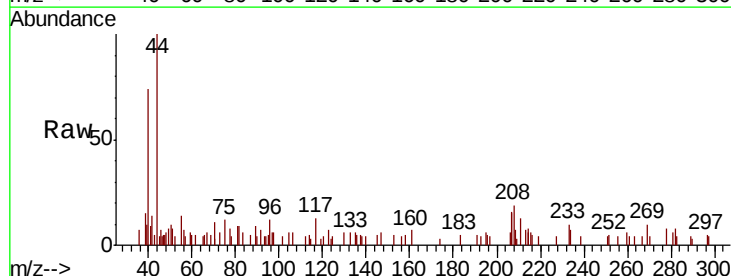
Tot Ion: 96 Resp: 518
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 251.4
 98 0.0 0.0 129.8

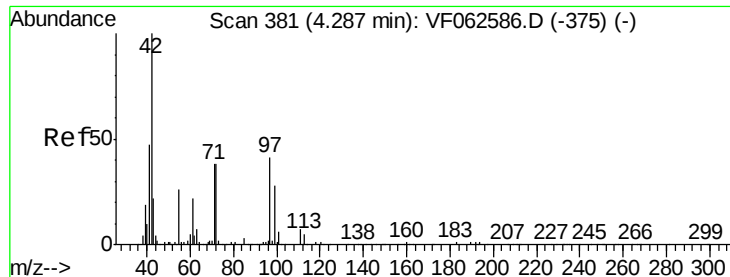


#28

Bromochloromethane
 Concen: 481.528 ug/l
 RT: 3.91 min Scan# 342
 Delta R.T. -0.03 min
 Lab File: VF062614.D
 Acq: 15 May 2019 17:45

Tgt Ion: 49 Resp: 392
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 71.0 59.7 89.5

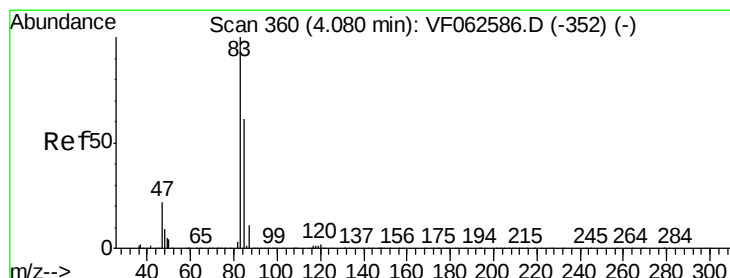
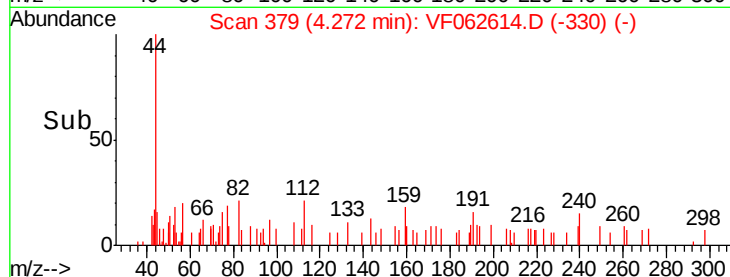
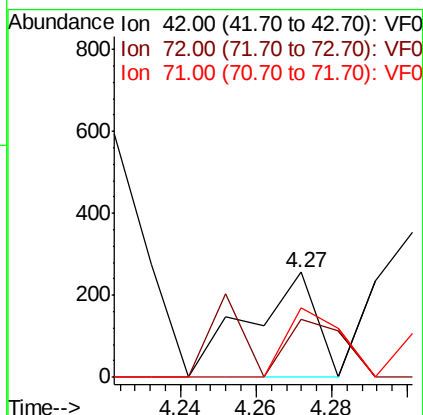
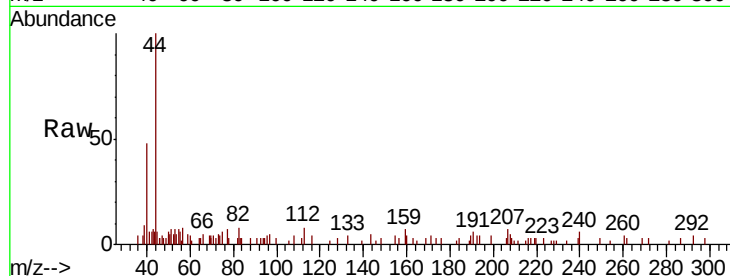




#29
Tetrahydrofuran
Concen: 2417.562 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

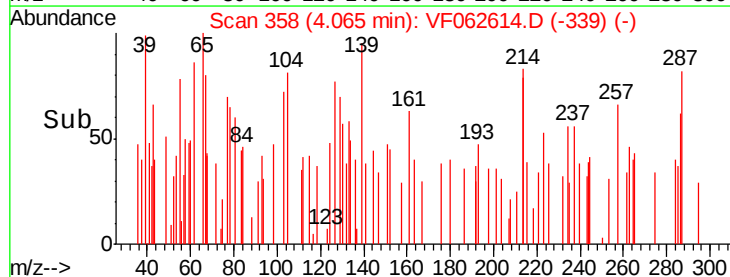
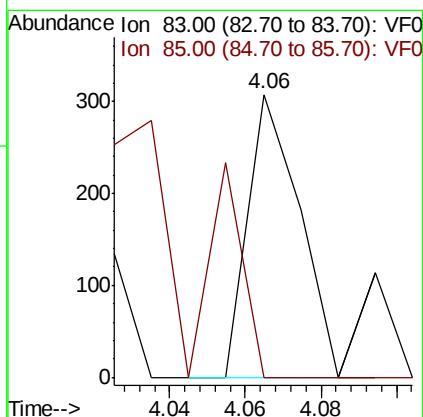
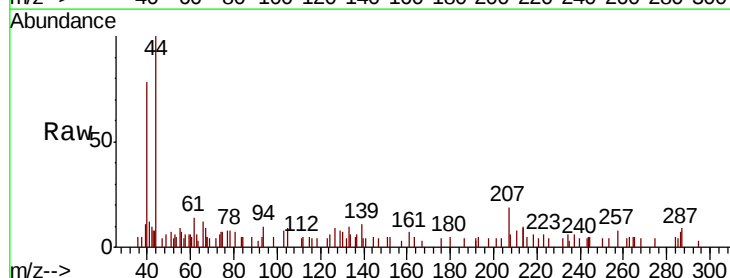
Instrument :
MSVOA_F
ClientSampled :

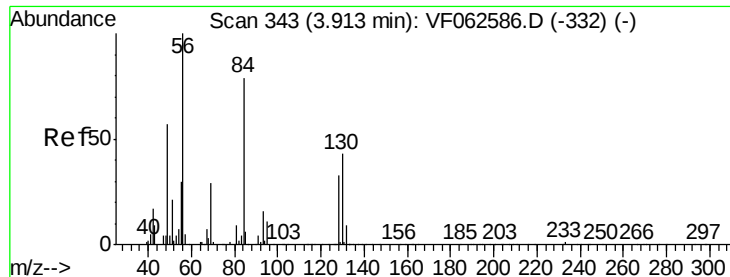
Tot Ion: 42 Resp: 312
Ion Ratio Lower Upper
42 100
72 38.8 34.0 51.0
71 55.1 32.8 49.2#



#30
Chloroform
Concen: 166.878 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 83 Resp: 290
Ion Ratio Lower Upper
83 100
85 0.0 48.7 73.1#





#31

Cyclohexane

Concen: 322.640 ug/l

RT: 3.88 min Scan# 339

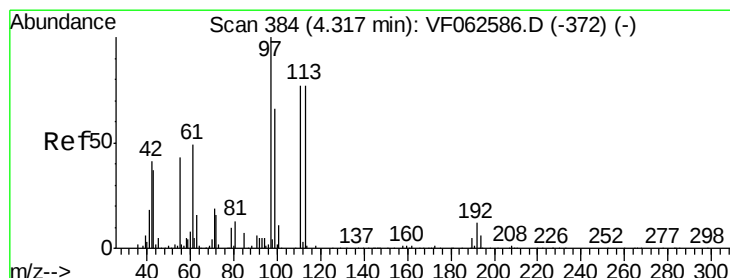
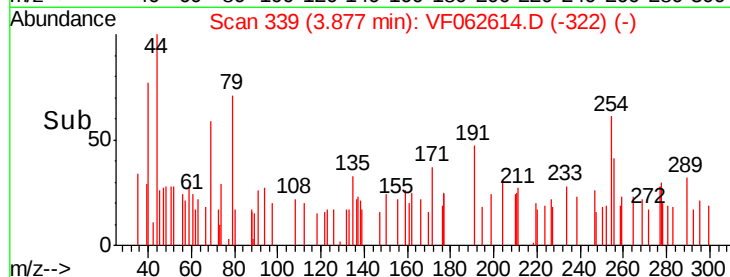
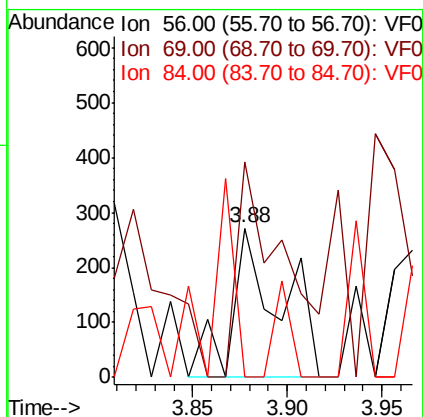
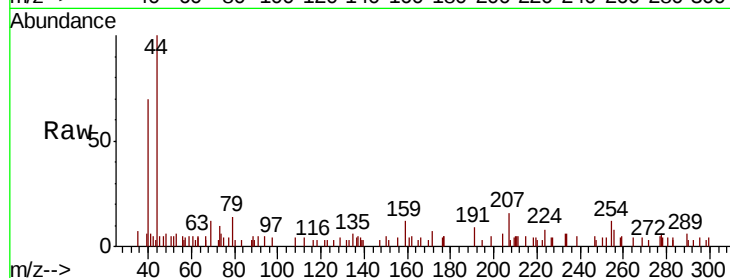
Delta R.T. -0.04 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	56	Resp:	487
Ion	Ratio	Lower	Upper
56	100		
69	143.8	22.9	34.3#
84	0.0	63.4	95.2#



#32

1,1,1-Trichloroethane

Concen: 126.348 ug/l

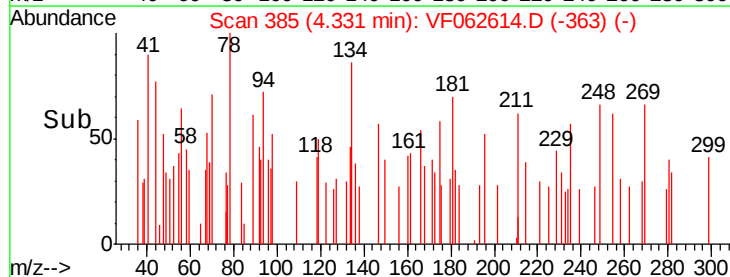
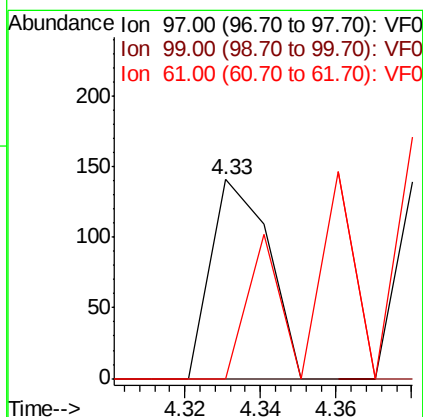
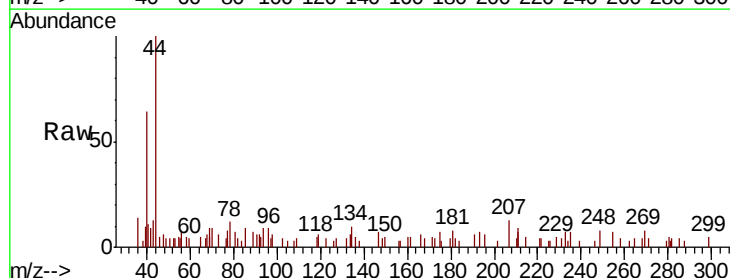
RT: 4.33 min Scan# 385

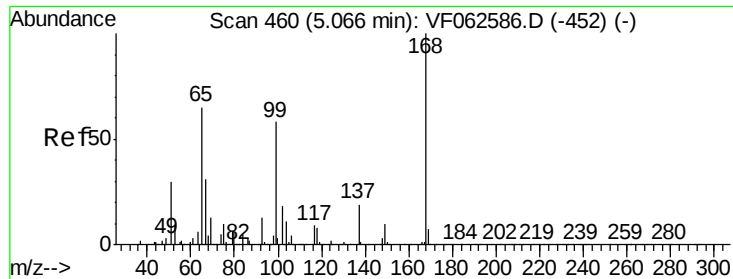
Delta R.T. 0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion:	97	Resp:	148
Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.4	80.0#
61	0.0	38.9	58.3#

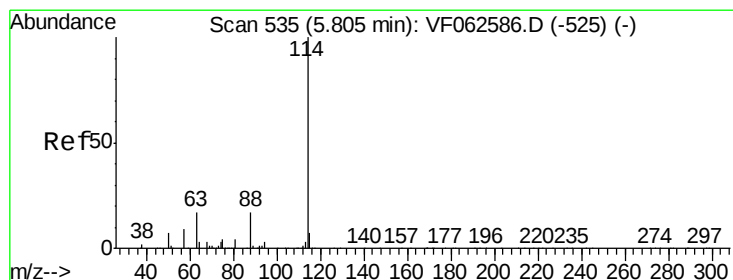
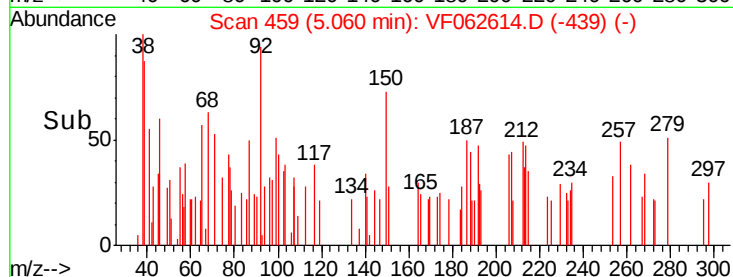
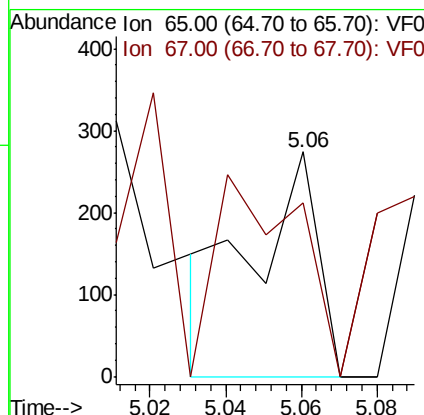
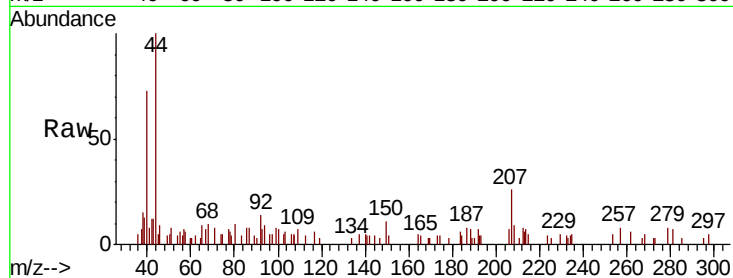




#33
 1,2-Dichloroethane-d4
 Concen: 493.383 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VF062614.D
 Acq: 15 May 2019 17:45

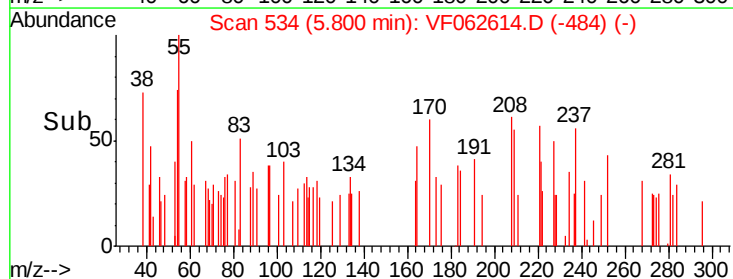
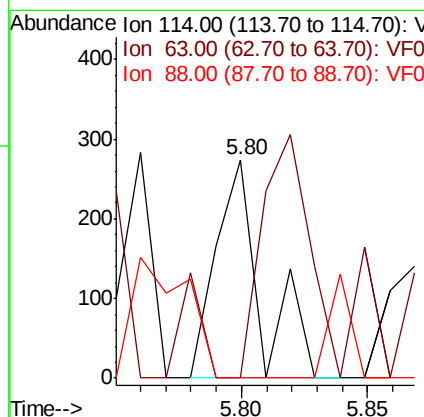
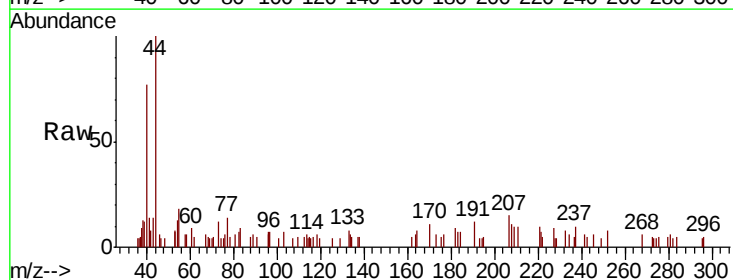
Instrument :
 MSVOA_F
 ClientSampleId :

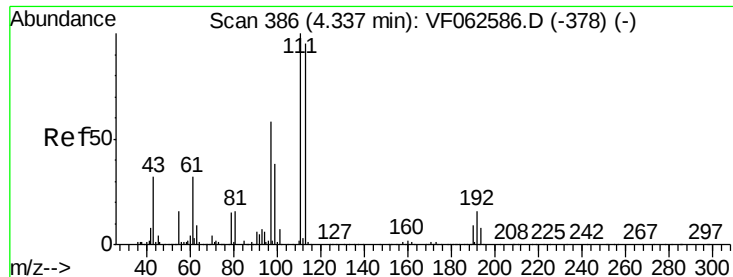
Tot Ion: 65 Resp: 328
 Ion Ratio Lower Upper
 65 100
 67 77.4 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062614.D
 Acq: 15 May 2019 17:45

Tgt Ion: 114 Resp: 341
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.6
 88 0.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 24.429 ug/l

RT: 4.36 min Scan# 388

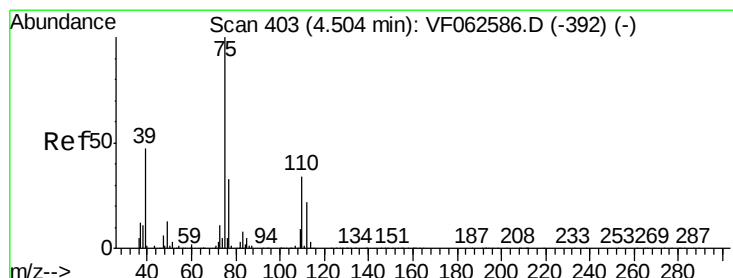
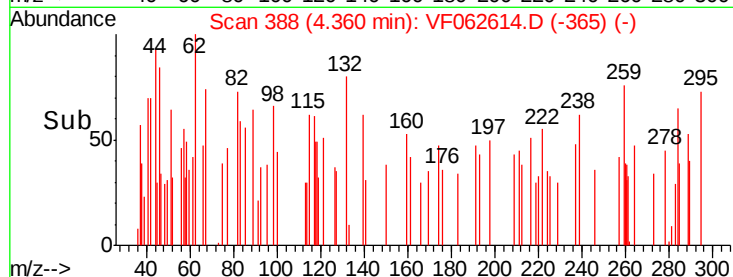
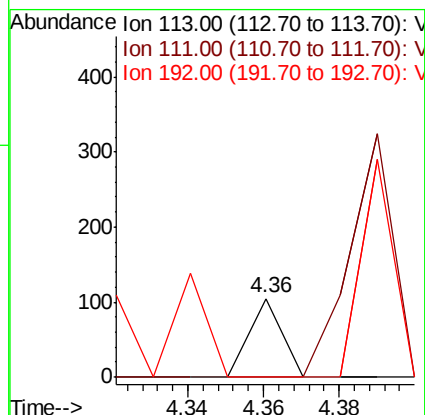
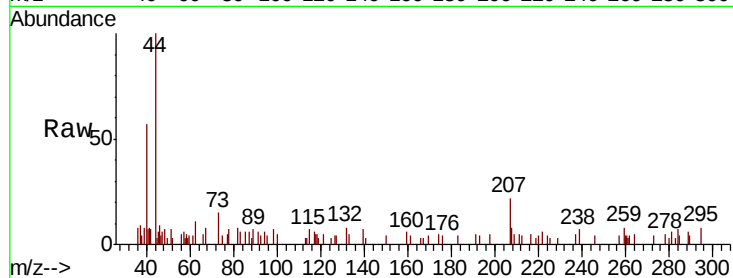
Delta R.T. 0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	0.0	83.9	125.9#
192	0.0	13.7	20.5#



#36

1,1-Dichloropropene

Concen: 104.383 ug/l

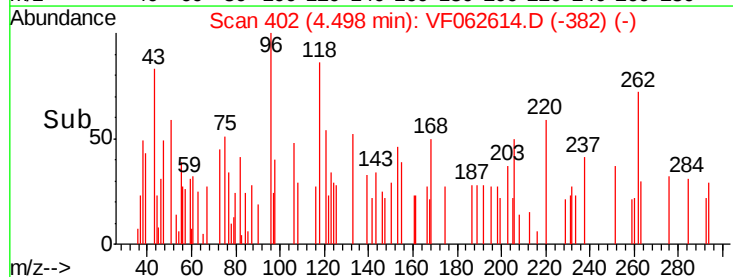
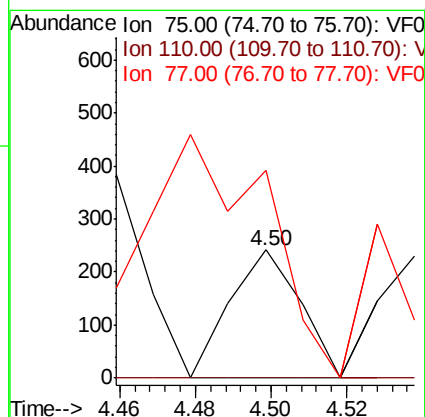
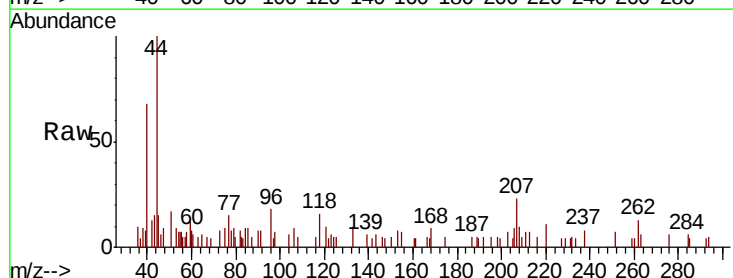
RT: 4.50 min Scan# 402

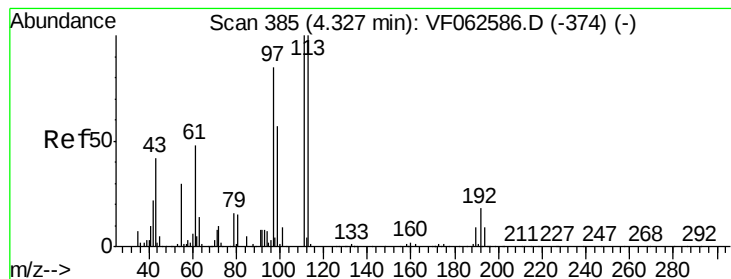
Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	51.7#
77	162.0	26.4	39.6#





#37

Ethyl Acetate

Concen: 1225.525 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

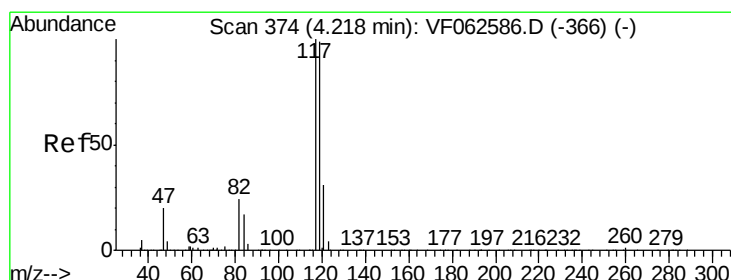
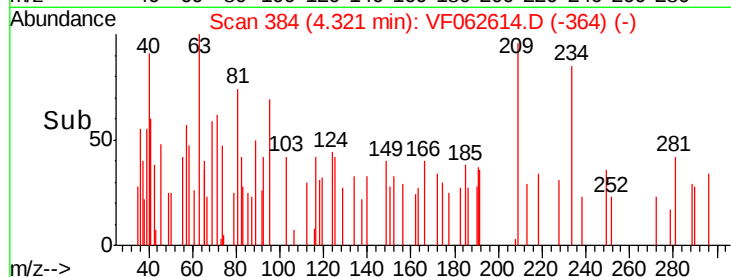
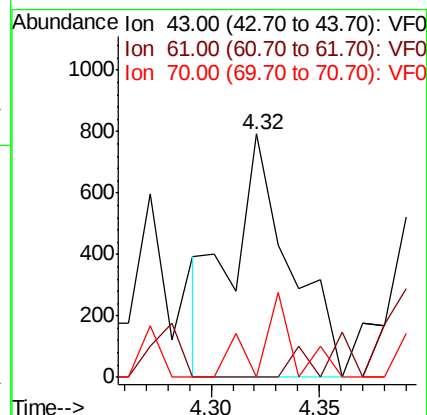
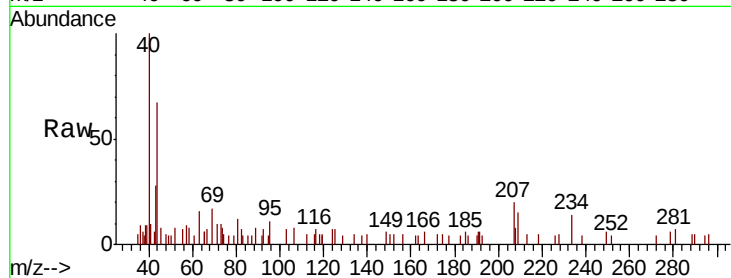
Tot Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

61 0.0 88.6 132.8#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 131.790 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

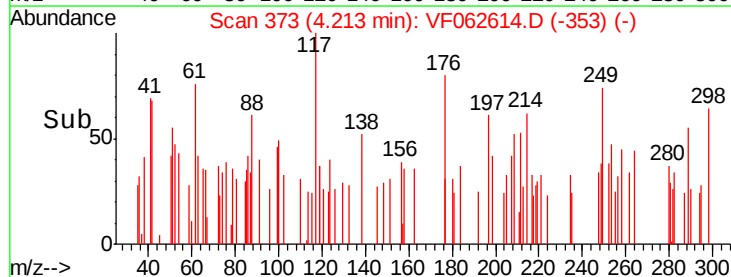
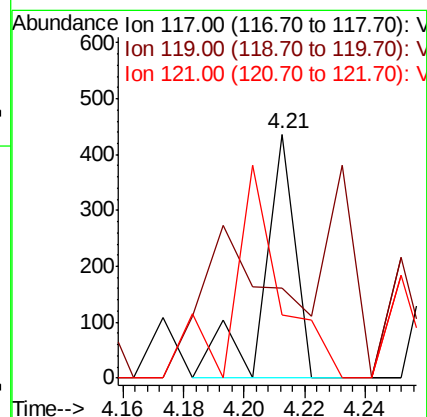
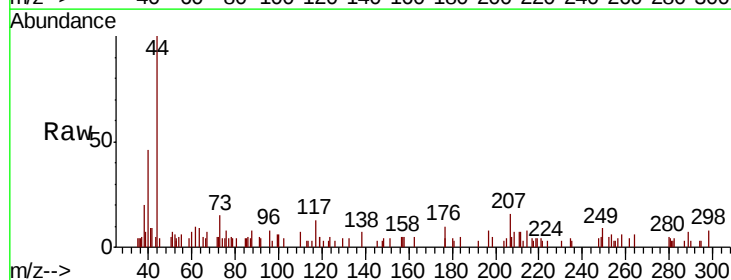
Tgt Ion:117 Resp: 319

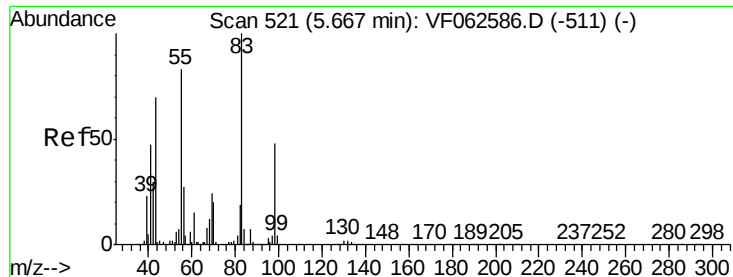
Ion Ratio Lower Upper

117 100

119 37.2 79.0 118.6#

121 26.1 25.0 37.6

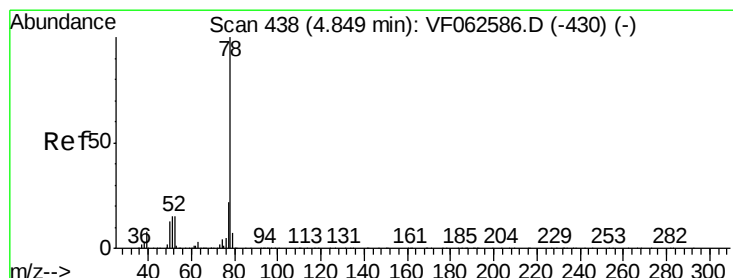
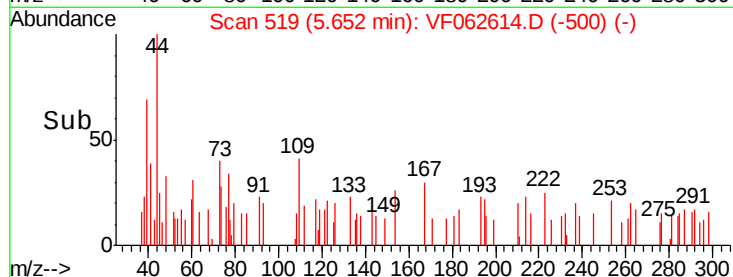
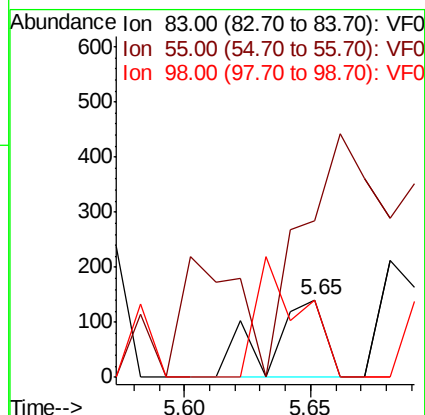
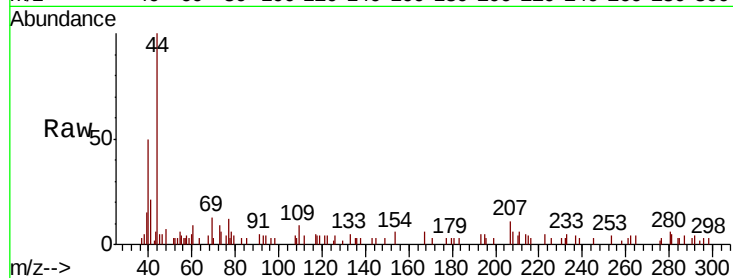




#39
Methvlcvclohexane
Concen: 62.233 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.02 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

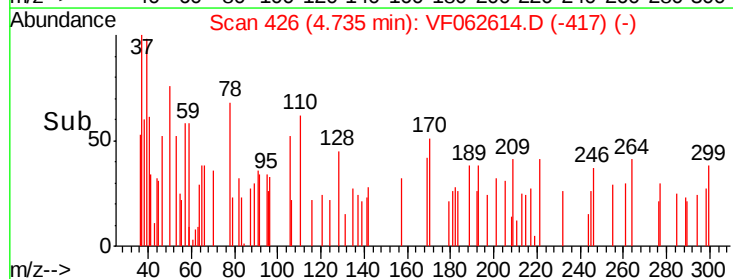
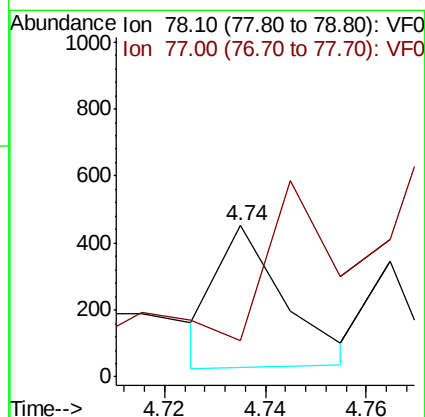
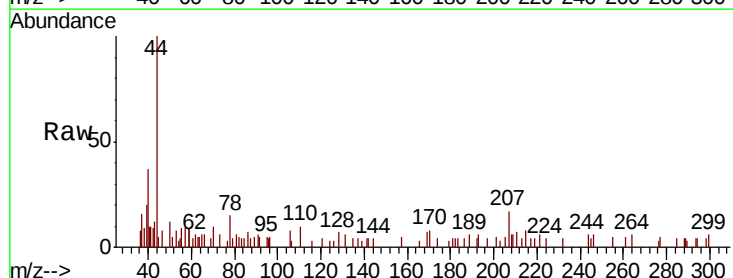
Instrument :
MSVOA_F
ClientSampled :

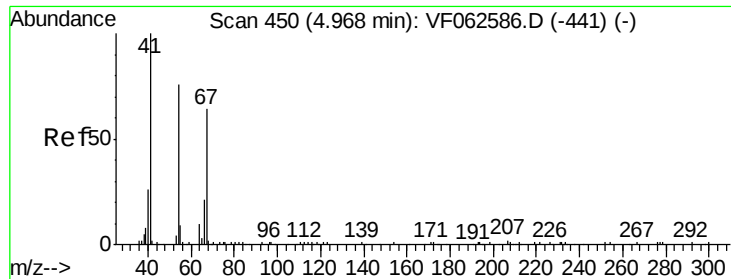
Tot Ion: 83 Resp: 215
Ion Ratio Lower Upper
83 100
55 201.4 66.6 100.0#
98 99.3 38.3 57.5#



#40
Benzene
Concen: 46.698 ug/l
RT: 4.74 min Scan# 426
Delta R.T. -0.11 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 78 Resp: 392
Ion Ratio Lower Upper
78 100
77 23.9 17.7 26.5





#41

Methacrylonitrile

Concen: 489.338 ug/l

RT: 4.99 min Scan# 452

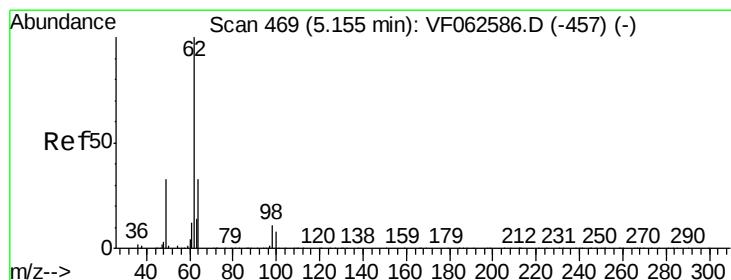
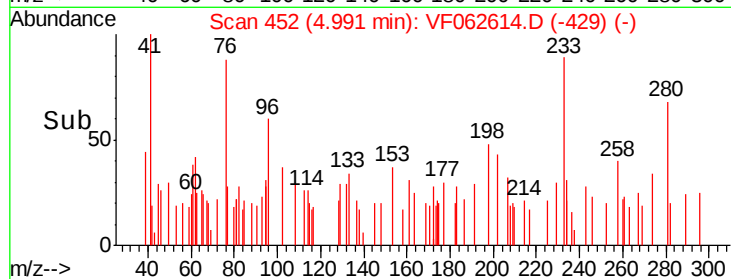
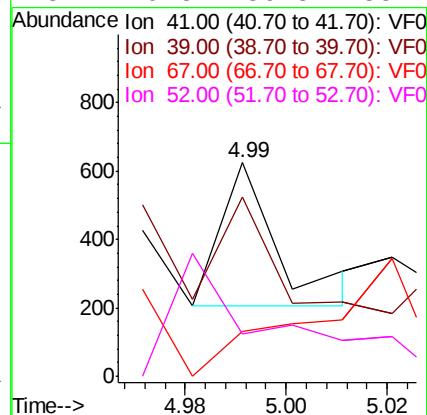
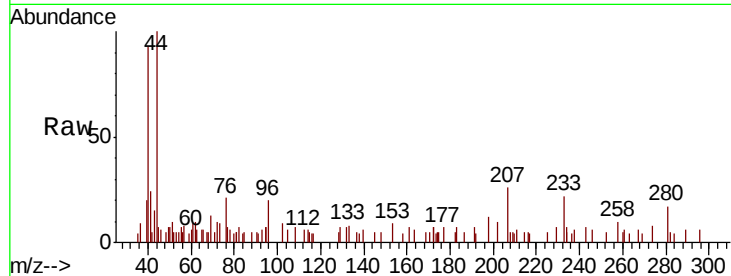
Delta R.T. 0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	336
Ion	Ratio	Lower	Upper
41	100		
39	83.7	40.8	61.2#
67	21.1	50.2	75.2#
52	19.8	36.8	55.2#



#42

1,2-Dichloroethane

Concen: 55.576 ug/l

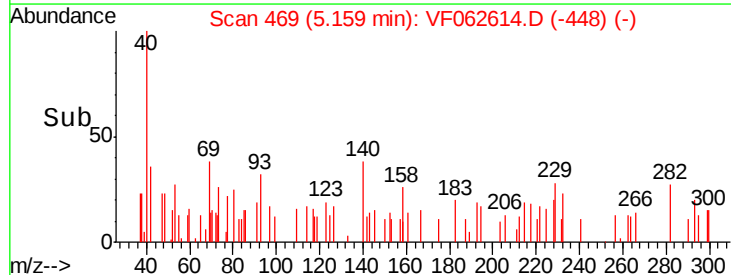
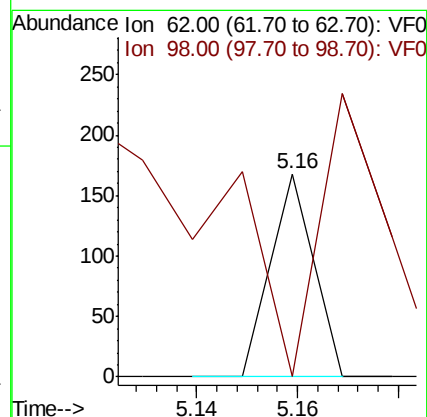
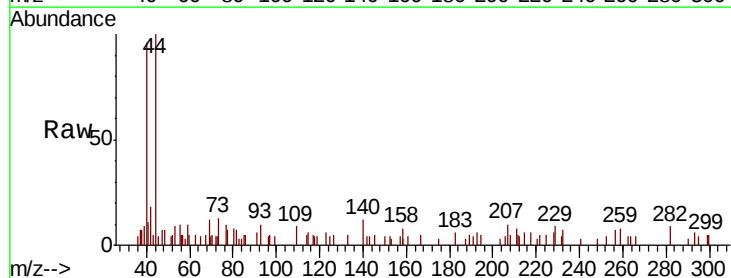
RT: 5.16 min Scan# 469

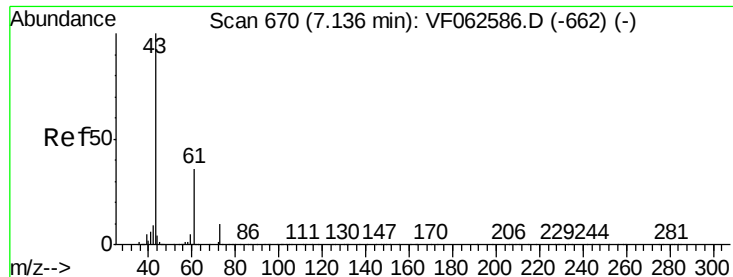
Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion:	62	Resp:	99
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.2





#43

Isopropyl Acetate

Concen: 603.550 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampled :

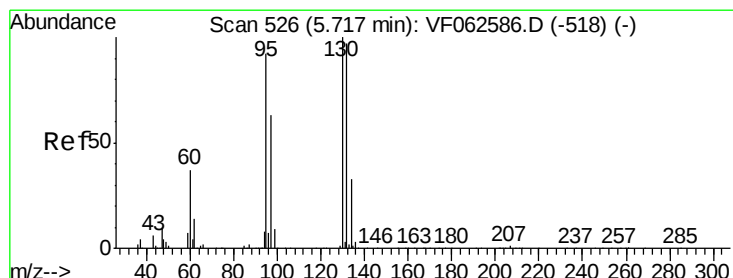
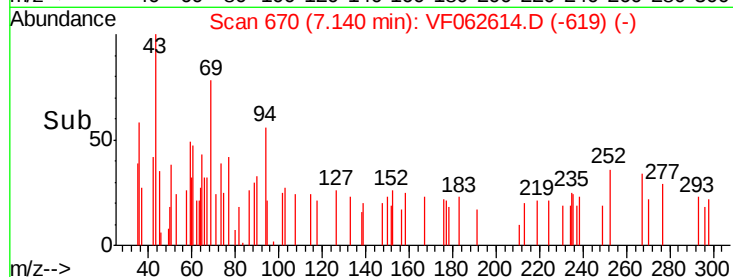
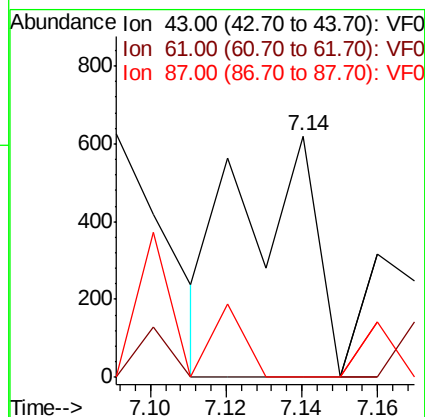
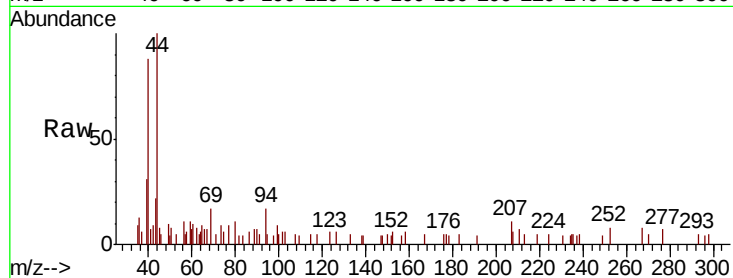
Tot Ion: 43 Resp: 866

Ion Ratio Lower Upper

43 100

61 0.0 28.5 42.7#

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 79.841 ug/l

RT: 5.73 min Scan# 527

Delta R.T. 0.01 min

Lab File: VF062614.D

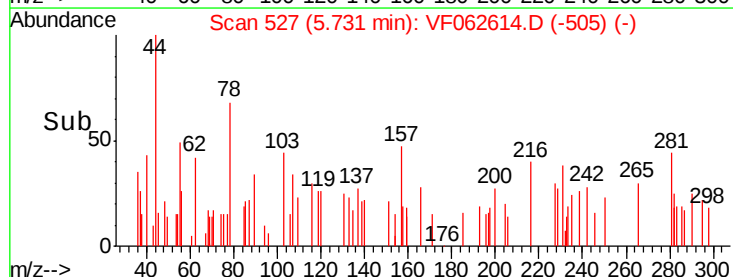
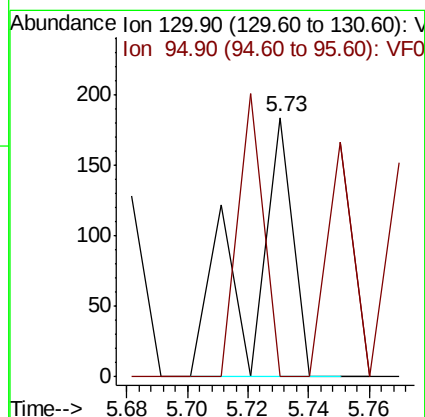
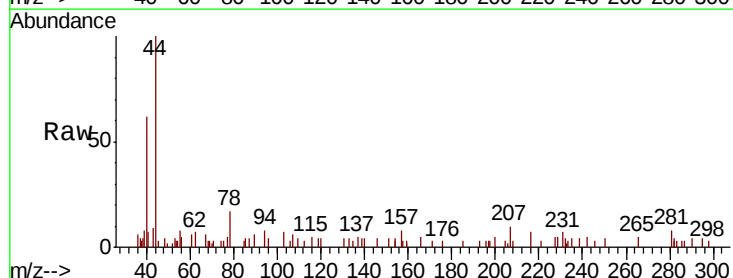
Acq: 15 May 2019 17:45

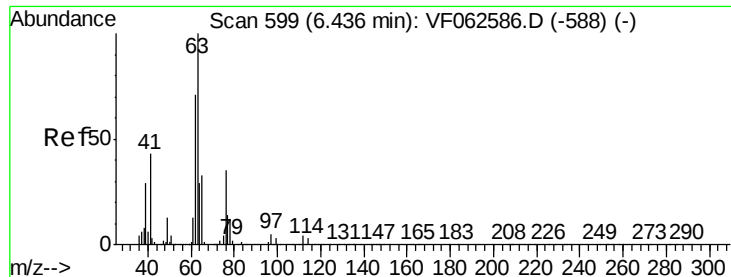
Tgt Ion: 130 Resp: 181

Ion Ratio Lower Upper

130 100

95 0.0 0.0 185.0





#45

1,2-Dichloropropane

Concen: 37.862 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.03 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

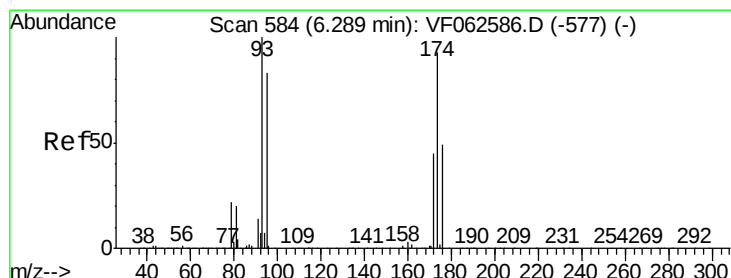
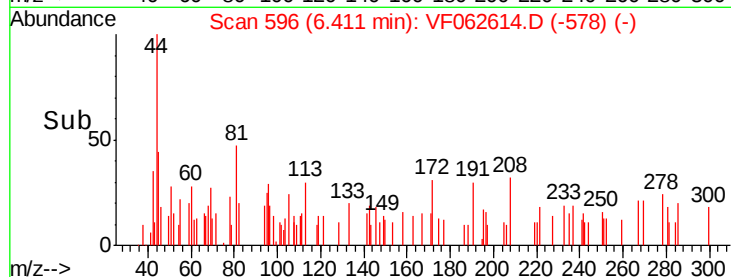
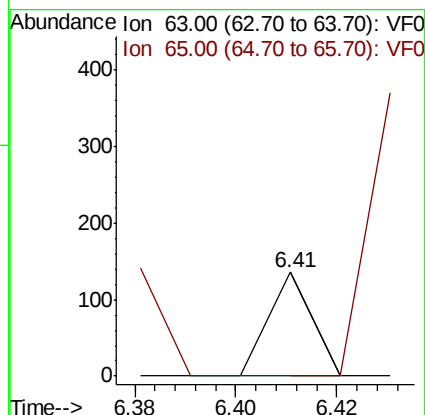
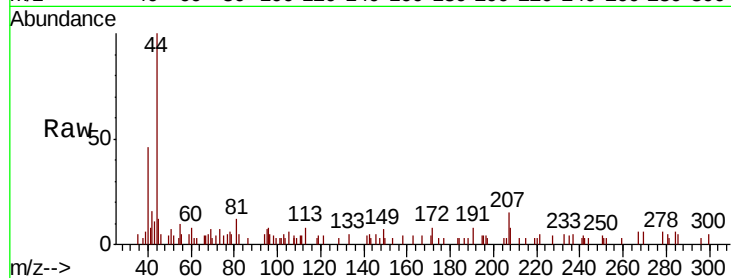
ClientSampled :

Tot Ion: 63 Resp: 80

Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.4#



#46

Dibromomethane

Concen: 395.320 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

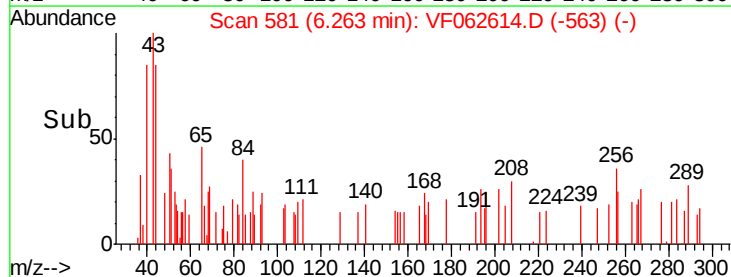
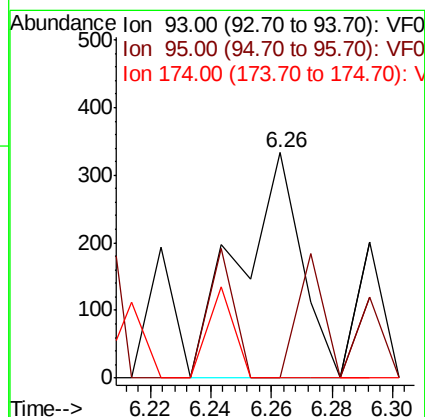
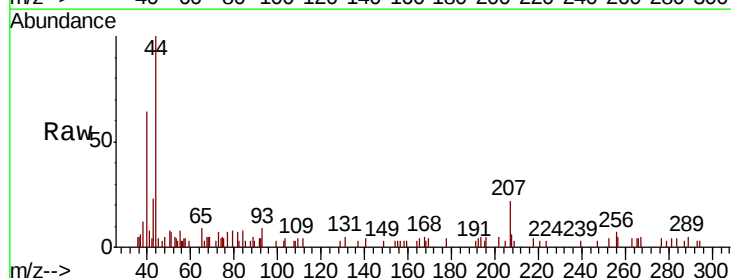
Tgt Ion: 93 Resp: 467

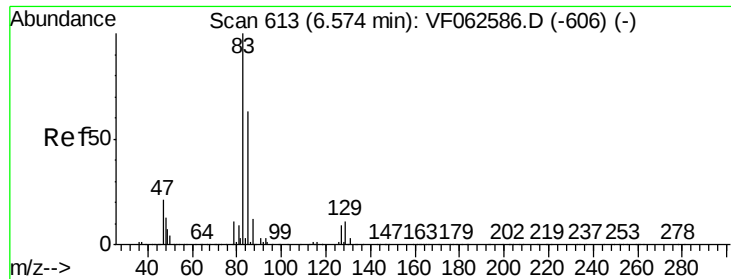
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.6 112.0#





#47

Bromodichloromethane

Concen: 101.200 ug/l

RT: 6.58 min Scan# 613

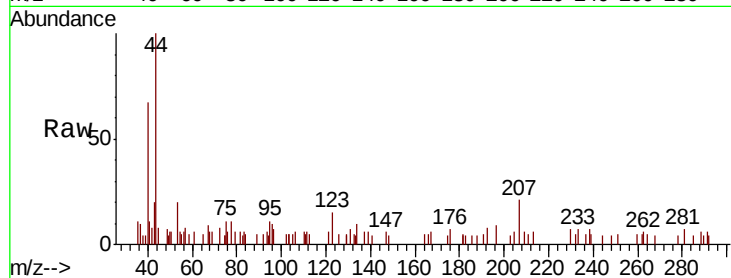
Delta R.T. 0.00 min

Lab File: VF062614.D

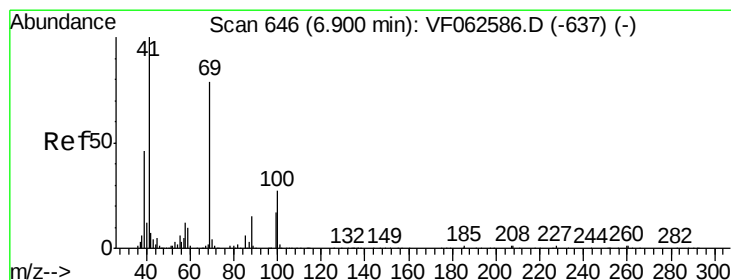
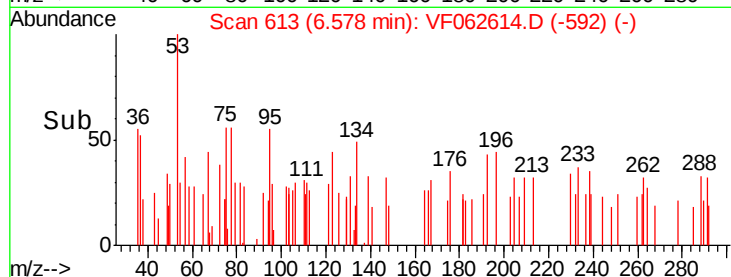
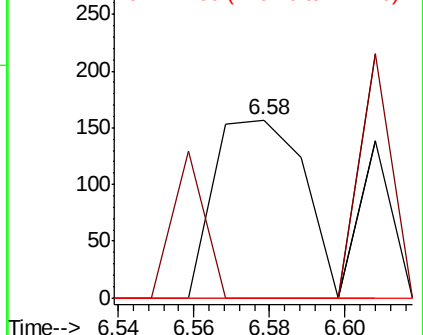
Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	83	Resp:	257
Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.3	75.5#
127	0.0	7.2	10.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 217.726 ug/l

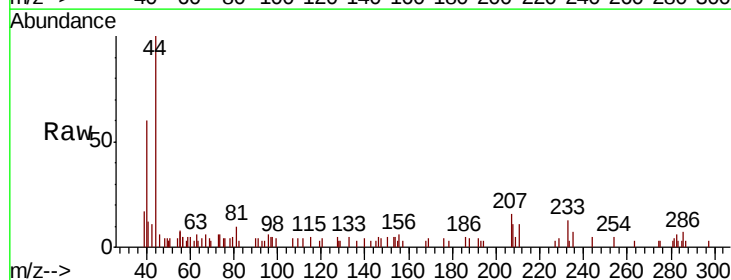
RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

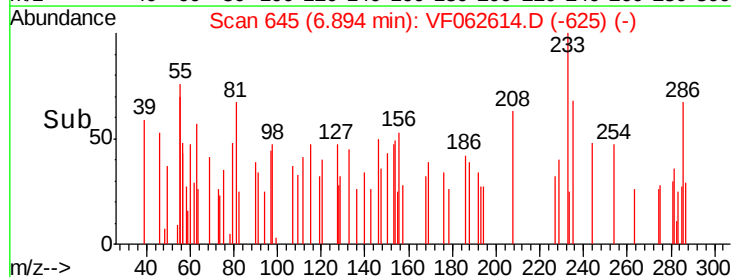
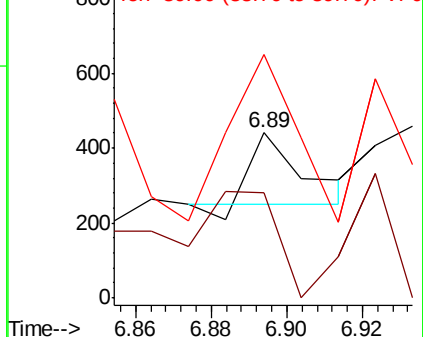
Lab File: VF062614.D

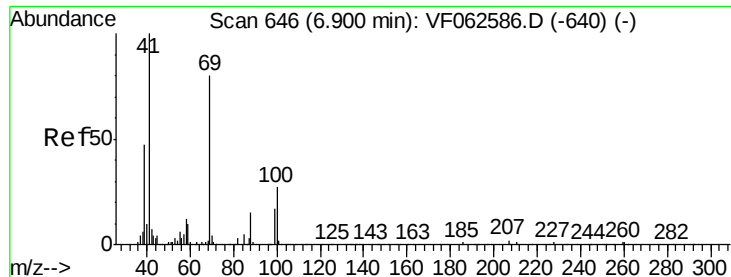
Acq: 15 May 2019 17:45

Tgt Ion:	41	Resp:	171
Ion	Ratio	Lower	Upper
41	100		
69	64.1	63.0	94.6
39	147.7	37.6	56.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

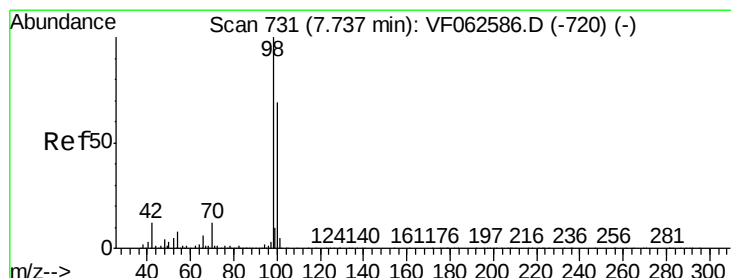
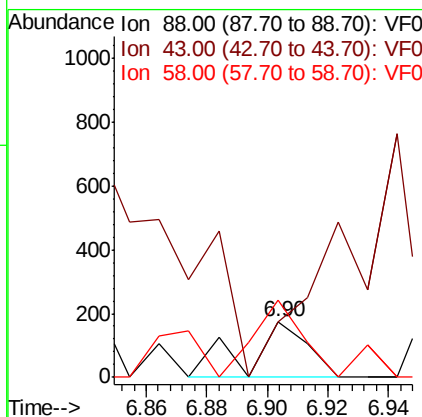
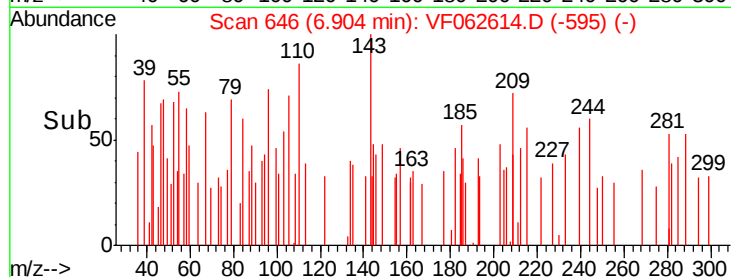
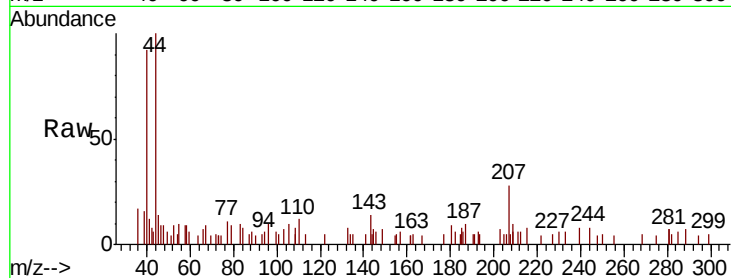




#49
1,4-Dioxane
Concen: 23189.151 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.00 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

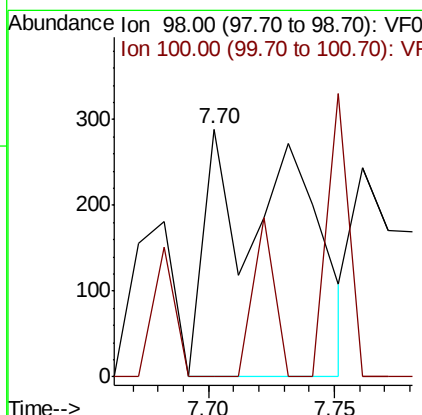
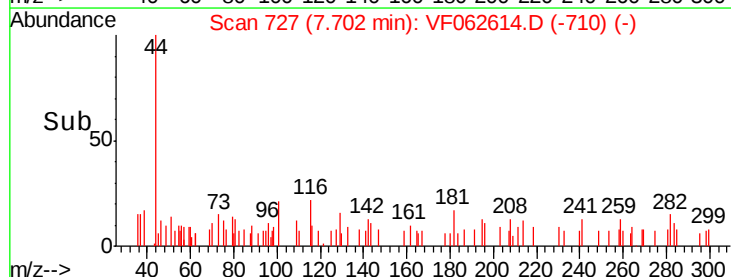
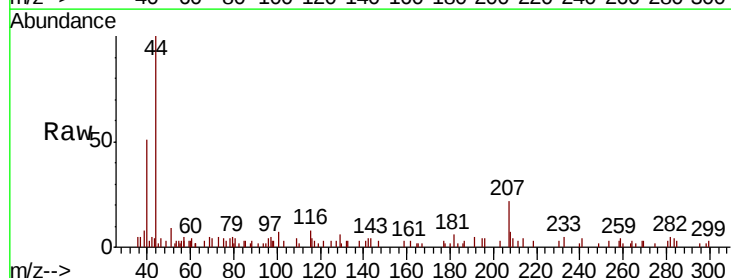
Instrument :
MSVOA_F
ClientSampleId :

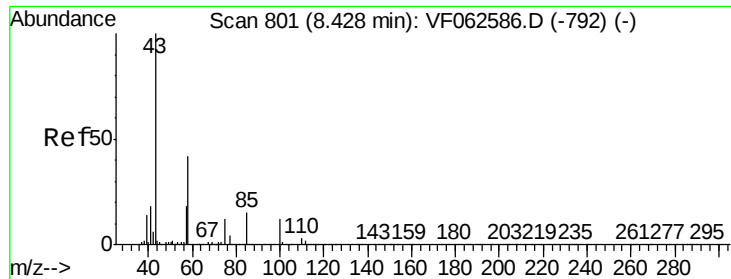
Tot Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 100.0 28.8 43.2#
58 138.5 60.6 90.8#



#50
Toluene-d8
Concen: 116.043 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.04 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 98 Resp: 694
Ion Ratio Lower Upper
98 100
100 0.0 55.4 83.0#





#51

4-Methyl-2-Pentanone

Concen: 506.014 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

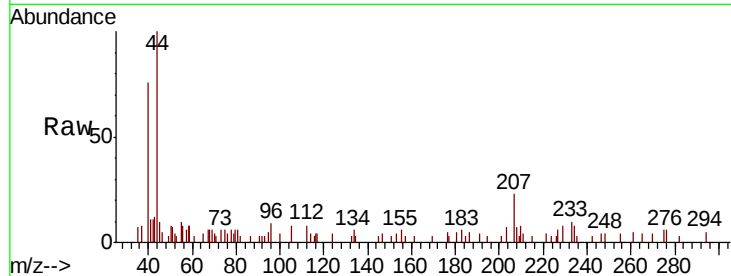
ClientSampled :

Tot Ion: 43 Resp: 532

Ion Ratio Lower Upper

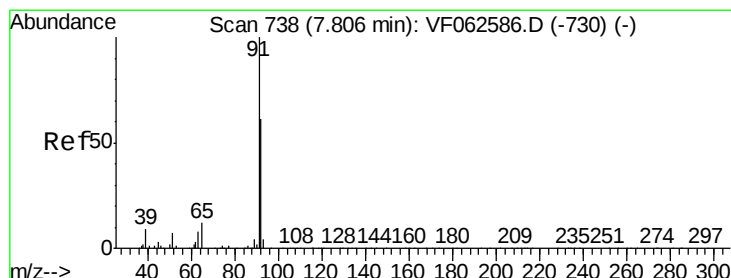
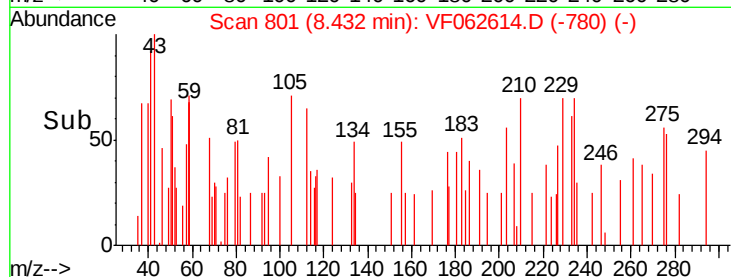
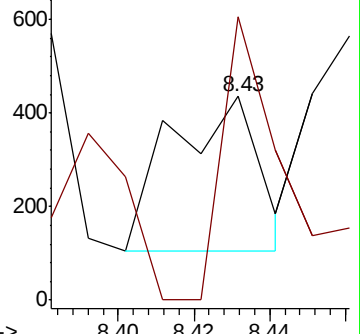
43 100

58 138.8 33.6 50.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 42.242 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062614.D

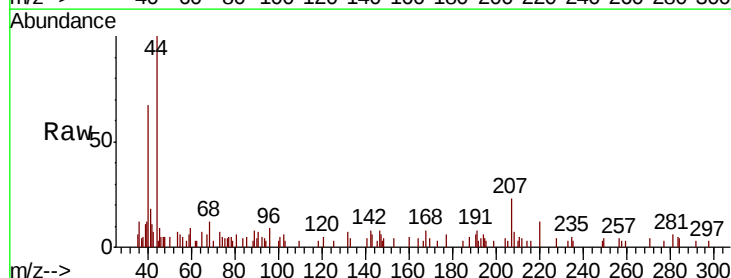
Acq: 15 May 2019 17:45

Tgt Ion: 92 Resp: 178

Ion Ratio Lower Upper

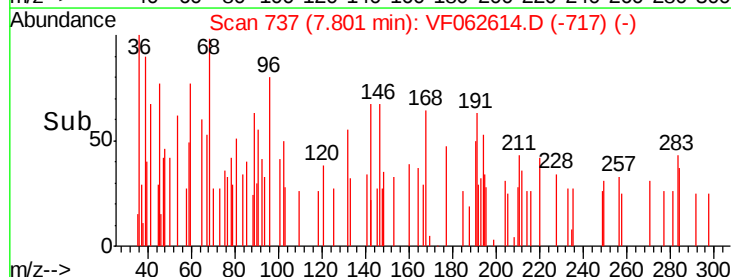
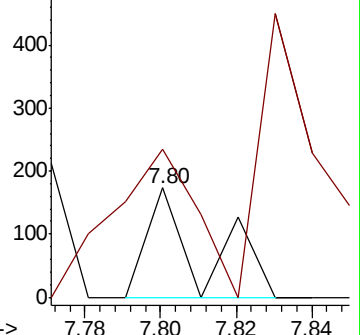
92 100

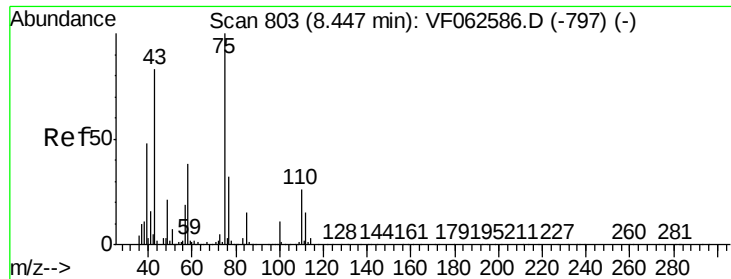
91 135.3 131.0 196.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 136.073 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

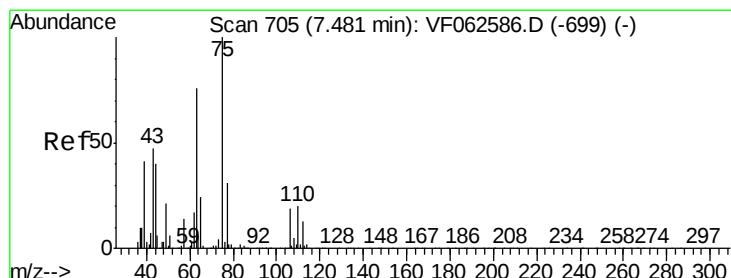
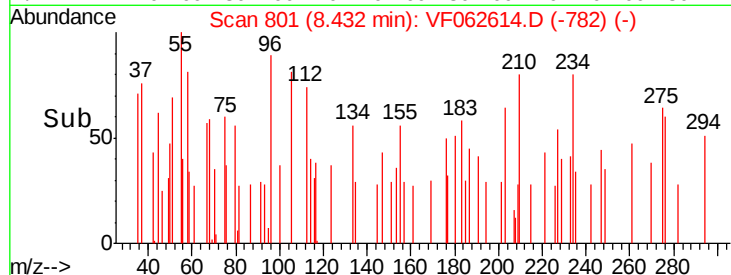
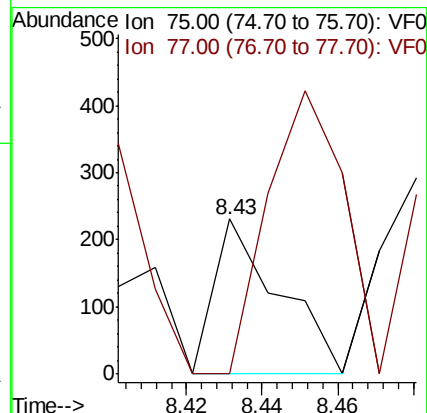
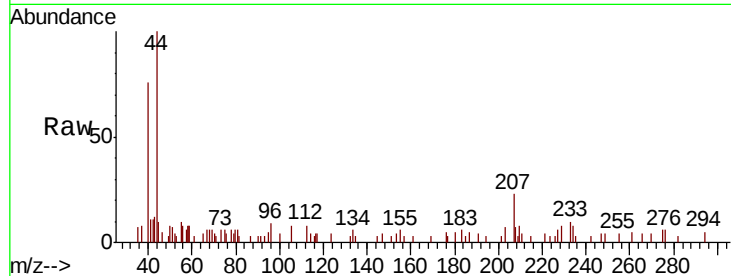
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 273

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 35.977 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

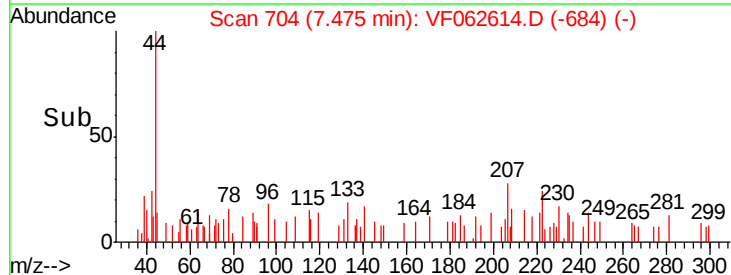
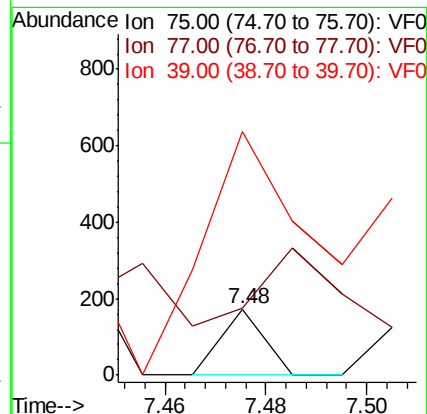
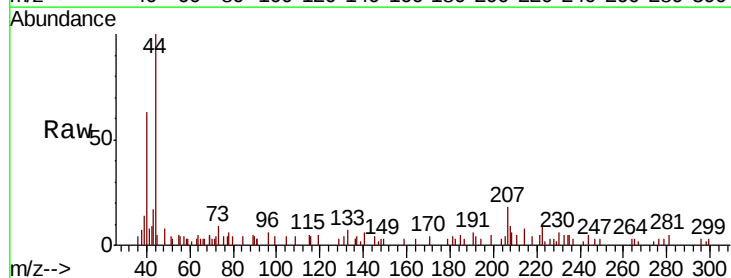
Tgt Ion: 75 Resp: 102

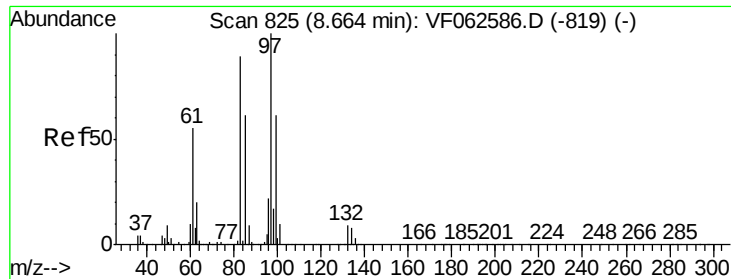
Ion Ratio Lower Upper

75 100

77 101.7 25.0 37.6#

39 370.3 32.8 49.2#





#55

1,1,2-Trichloroethane

Concen: 370.142 ug/l

RT: 8.66 min Scan# 824

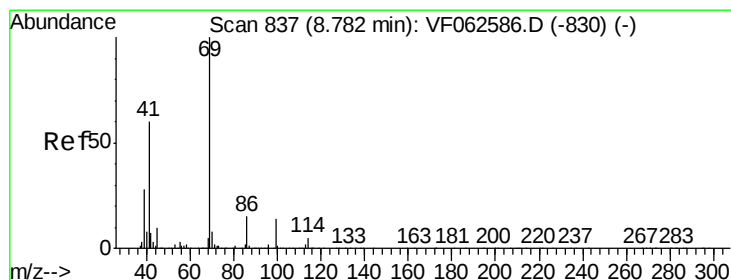
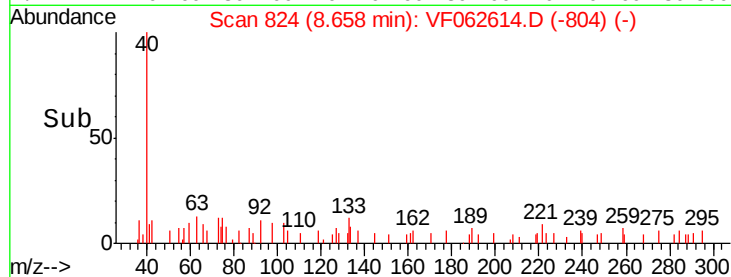
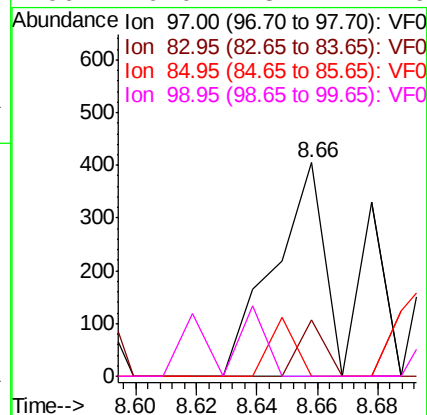
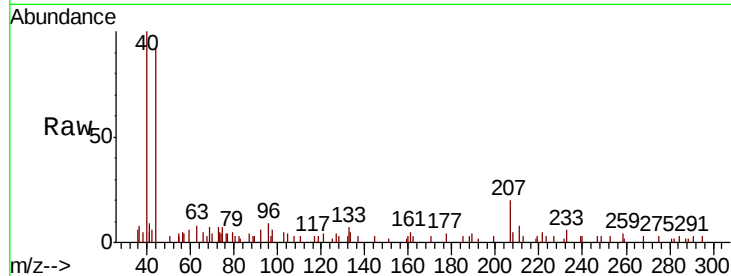
Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	467
Ion	Ratio	Lower	Upper
97	100		
83	26.2	71.3	106.9#
85	0.0	48.9	73.3#
99	0.0	48.4	72.6#



#56

Ethyl methacrylate

Concen: 261.062 ug/l

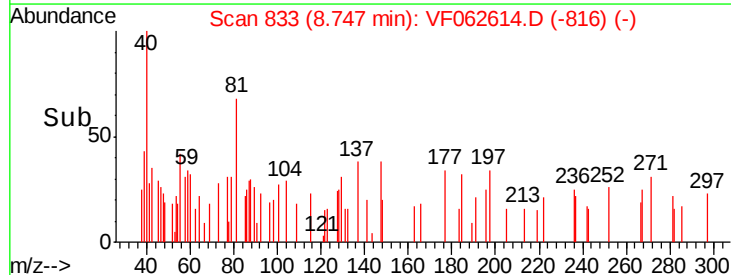
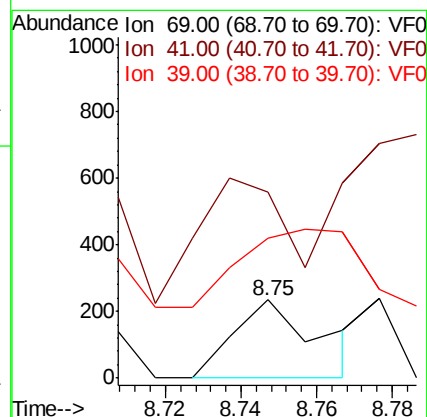
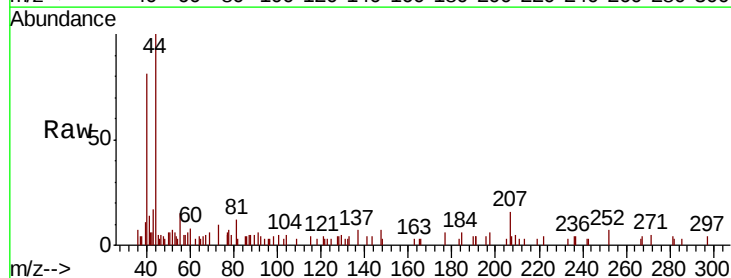
RT: 8.75 min Scan# 833

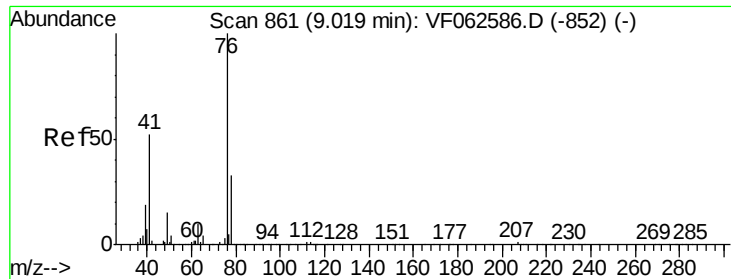
Delta R.T. -0.04 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion:	69	Resp:	361
Ion	Ratio	Lower	Upper
69	100		
41	238.9	48.1	72.1#
39	179.5	22.5	33.7#





#57

1,3-Dichloropropane

Concen: 64.829 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

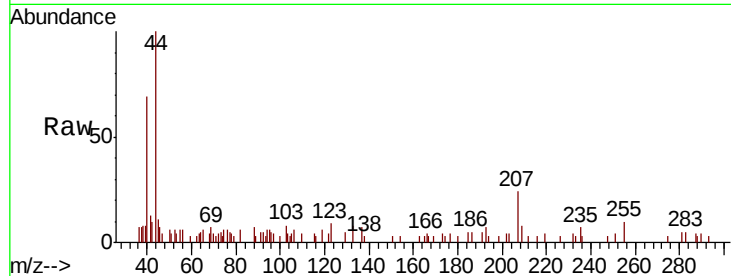
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 135

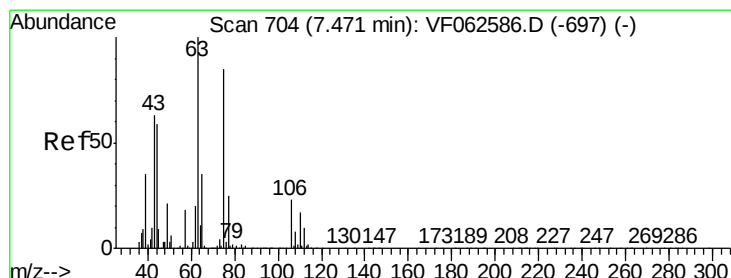
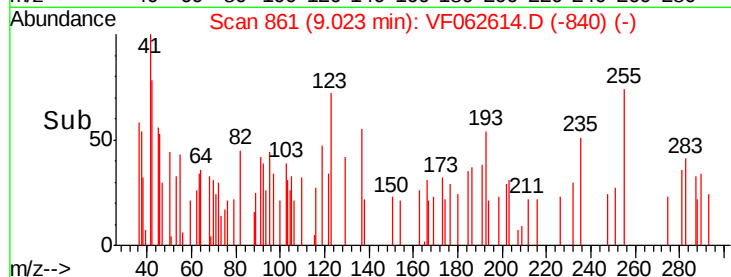
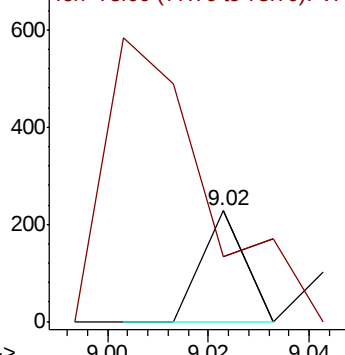
Ion Ratio Lower Upper

76 100

78 58.3 26.4 39.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 912.943 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062614.D

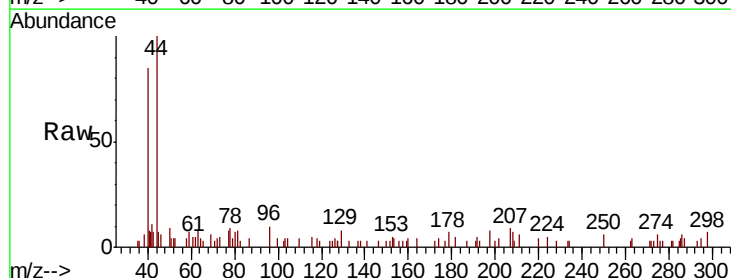
Acq: 15 May 2019 17:45

Tgt Ion: 63 Resp: 395

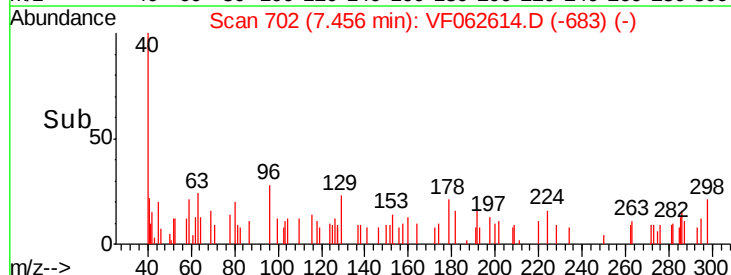
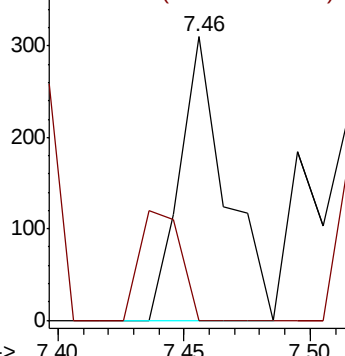
Ion Ratio Lower Upper

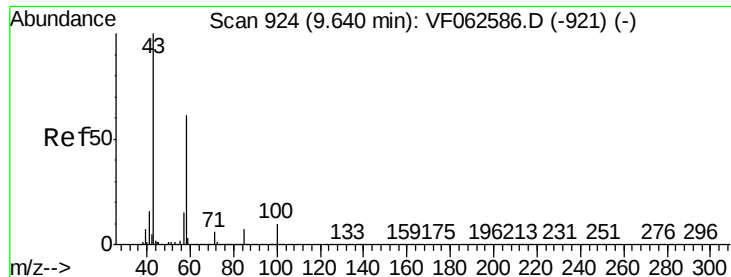
63 100

106 0.0 18.0 27.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V

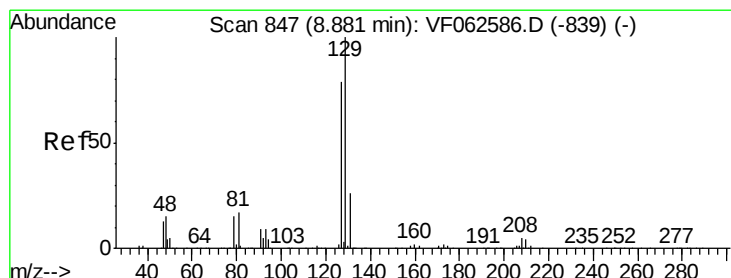
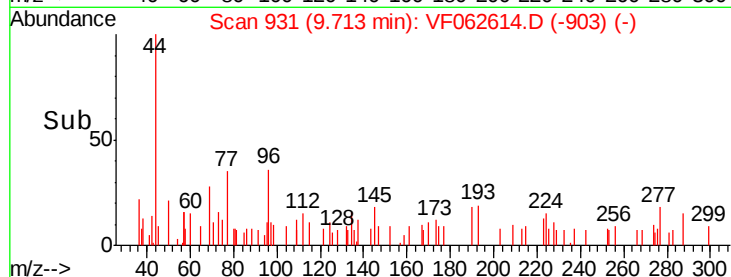
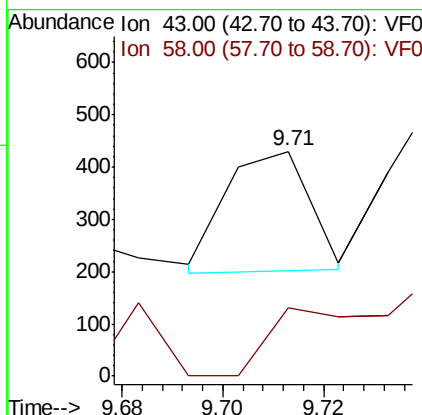
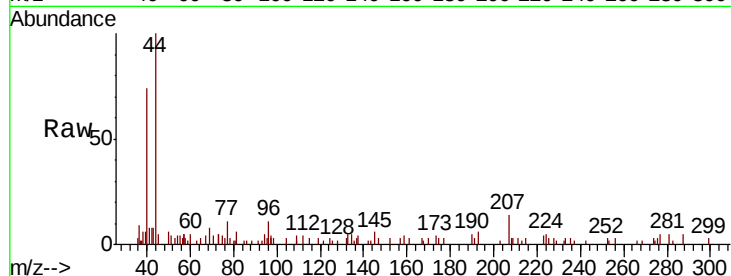




#59
2-Hexanone
Concen: 378.765 ug/l
RT: 9.71 min Scan# 931
Delta R.T. 0.07 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

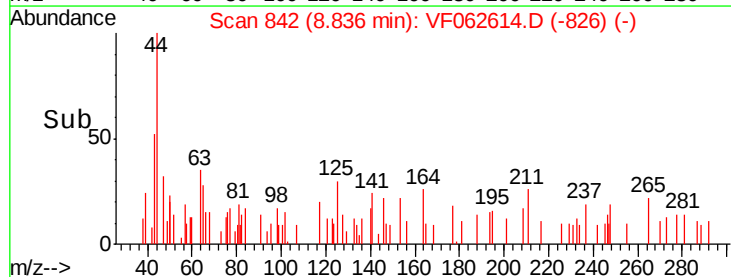
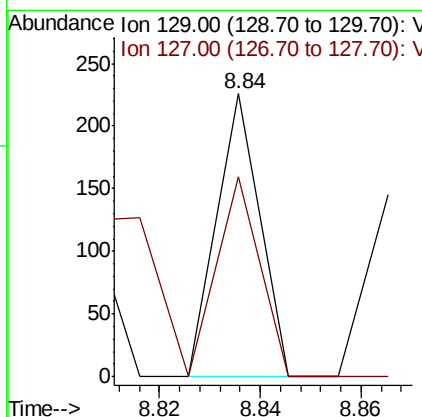
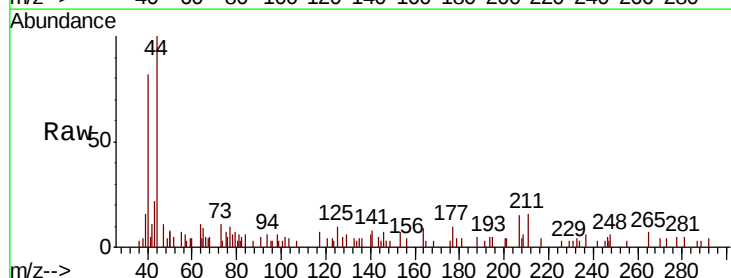
Instrument :
MSVOA_F
ClientSampleId :

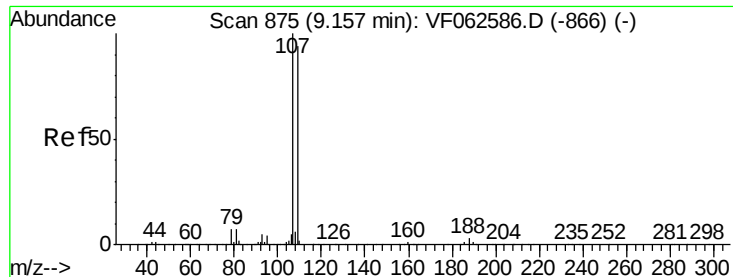
Tot Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
58 30.7 28.7 86.3



#60
Dibromochloromethane
Concen: 83.593 ug/l
RT: 8.84 min Scan# 842
Delta R.T. -0.05 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion: 129 Resp: 134
Ion Ratio Lower Upper
129 100
127 70.8 39.3 117.9





#61

1,2-Dibromoethane

Concen: 95.621 ug/l

RT: 9.17 min Scan# 876

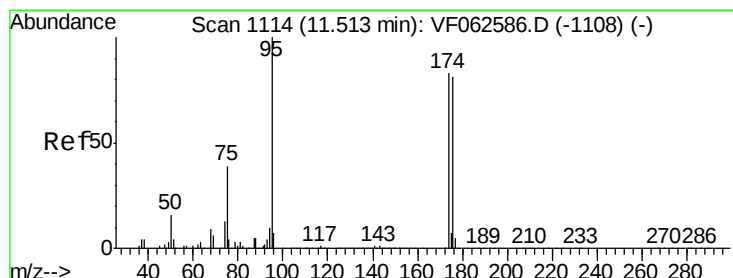
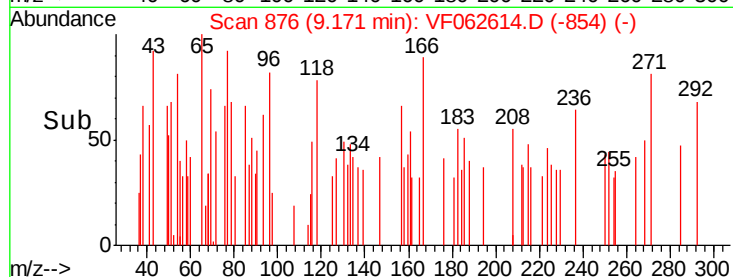
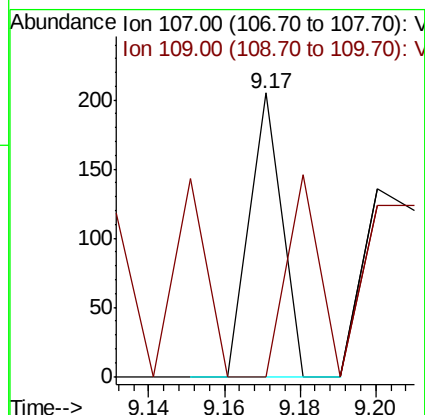
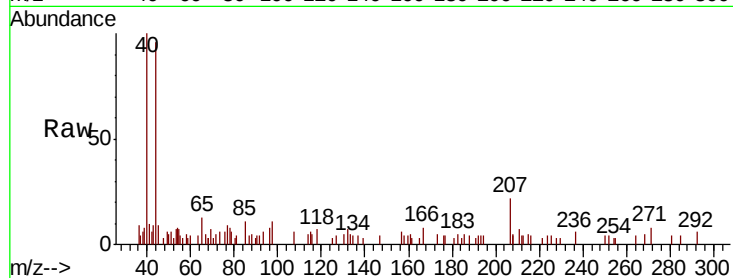
Delta R.T. 0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 121
Ion Ratio Lower Upper
107 100
109 0.0 74.9 112.3#



#62

4-Bromofluorobenzene

Concen: 314.559 ug/l

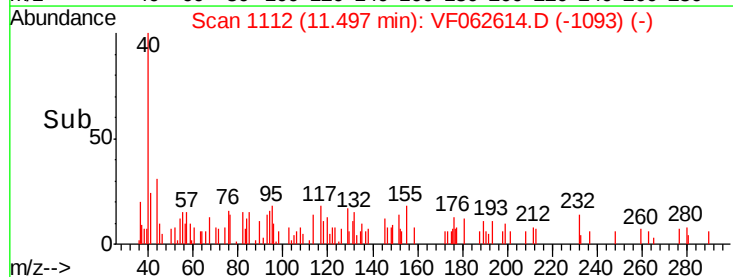
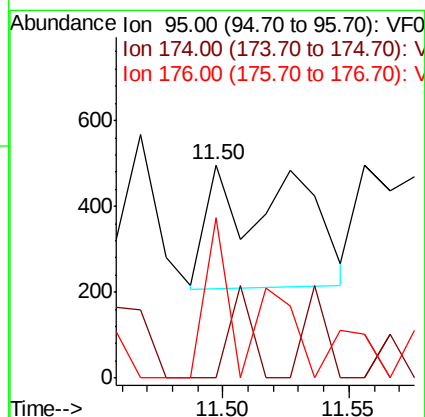
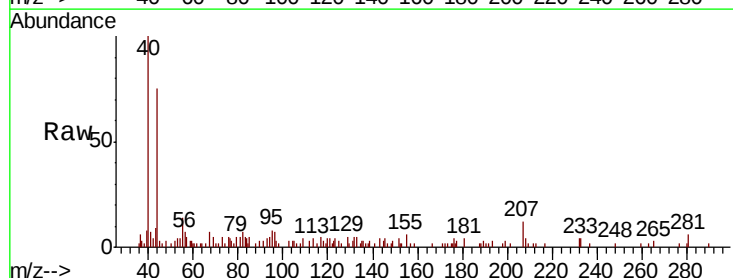
RT: 11.50 min Scan# 1112

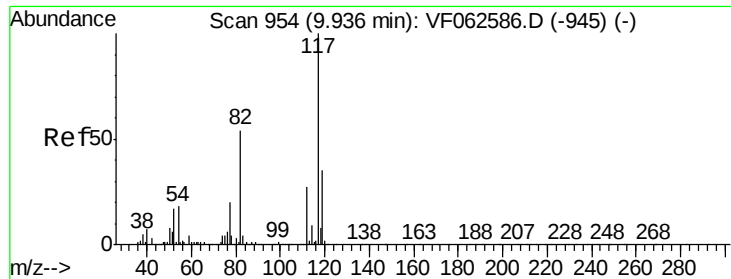
Delta R.T. -0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion: 95 Resp: 657
Ion Ratio Lower Upper
95 100
174 0.0 0.0 166.6
176 75.5 0.0 161.8

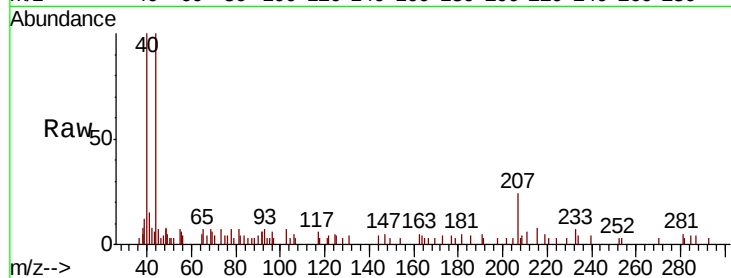




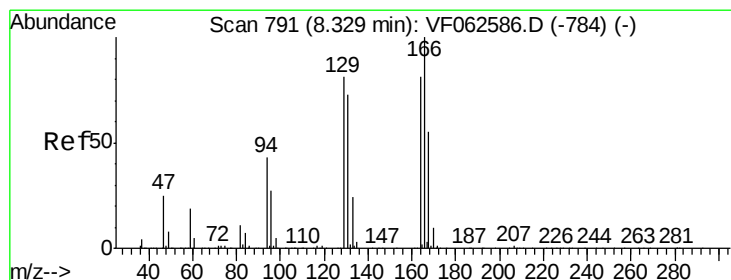
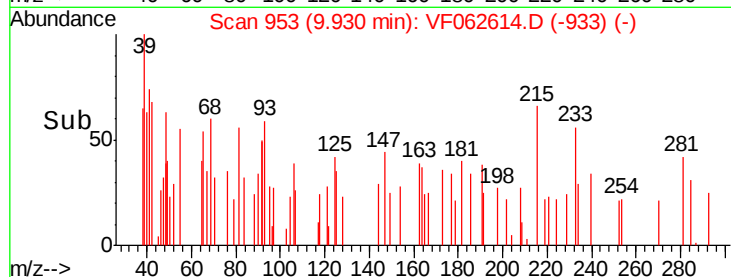
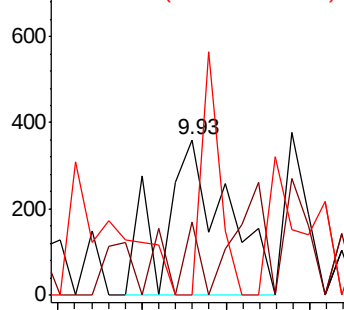
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 937
Ion Ratio Lower Upper
117 100
82 47.4 43.4 65.0
119 0.0 27.7 41.5#

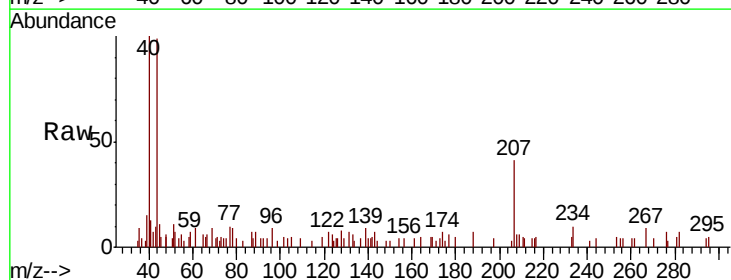


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

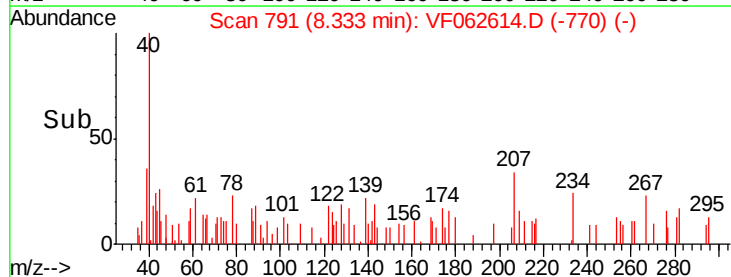
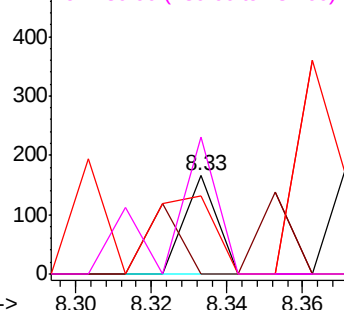


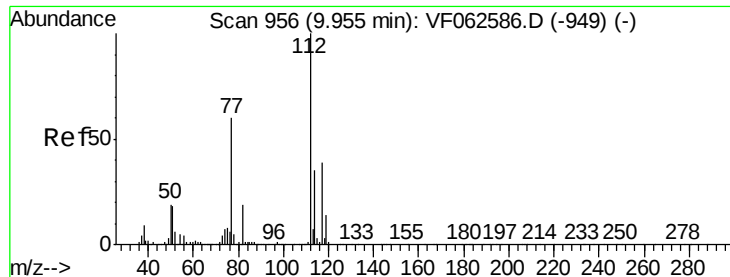
#64
Tetrachloroethene
Concen: 15.828 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion:164 Resp: 98
Ion Ratio Lower Upper
164 100
166 0.0 98.6 148.0#
129 79.4 80.2 120.4#
131 140.0 71.8 107.6#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

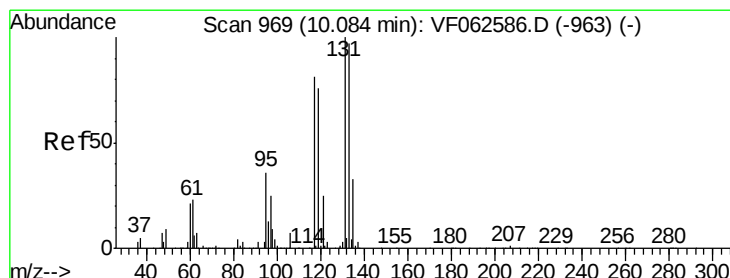
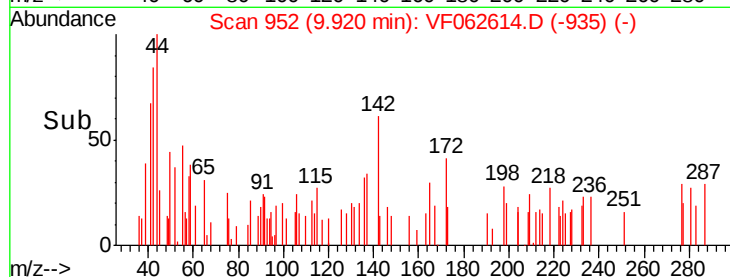
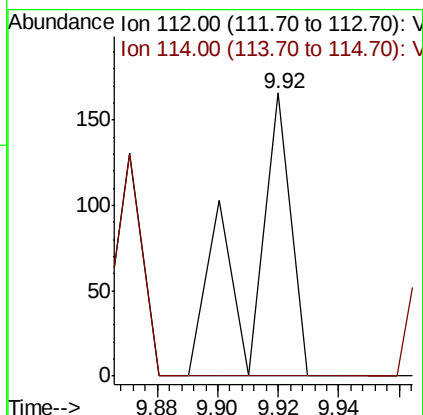
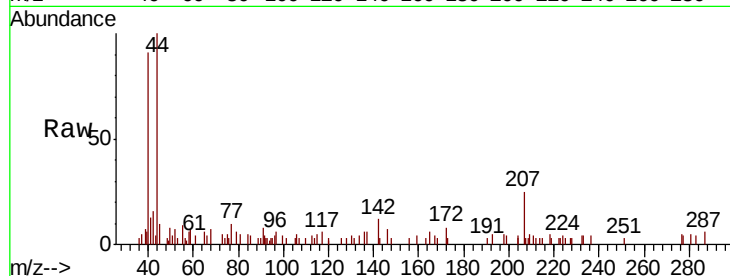




#65
Chlorobenzene
Concen: 9.761 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.04 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

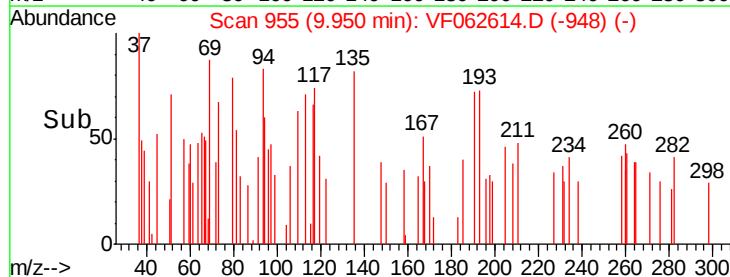
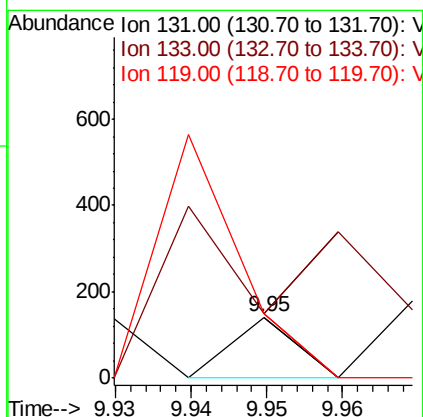
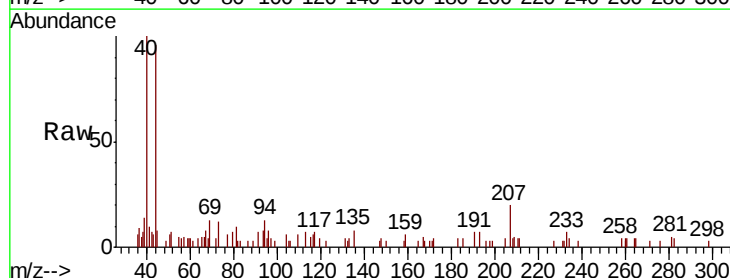
Instrument :
MSVOA_F
ClientSampleId :

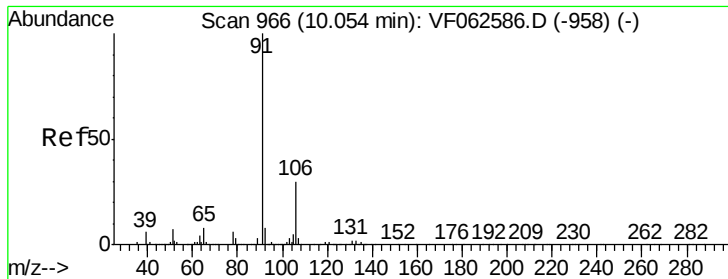
Tot Ion:112 Resp: 159
Ion Ratio Lower Upper
112 100
114 0.0 27.9 41.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 12.405 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.13 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion:131 Resp: 83
Ion Ratio Lower Upper
131 100
133 106.4 48.4 145.3
119 105.0 38.5 115.5





#67

Ethyl Benzene

Concen: 10.296 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

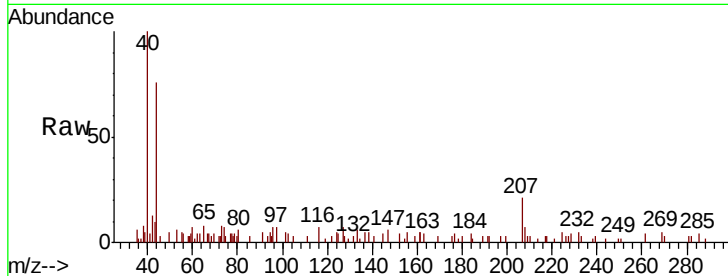
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 298

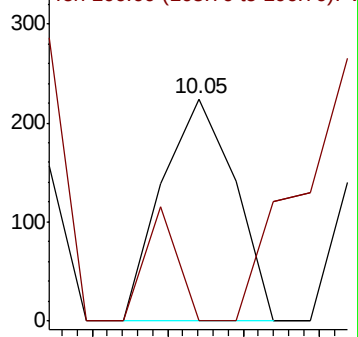
Ion Ratio Lower Upper

91 100

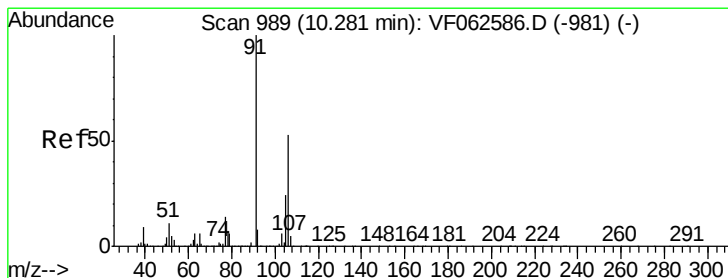
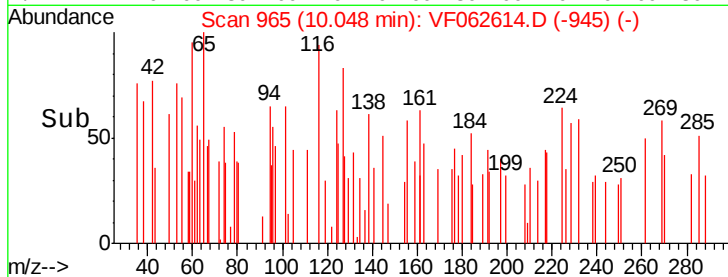
106 0.0 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0



Time-->



#68

m/p-Xylenes

Concen: 31.194 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.01 min

Lab File: VF062614.D

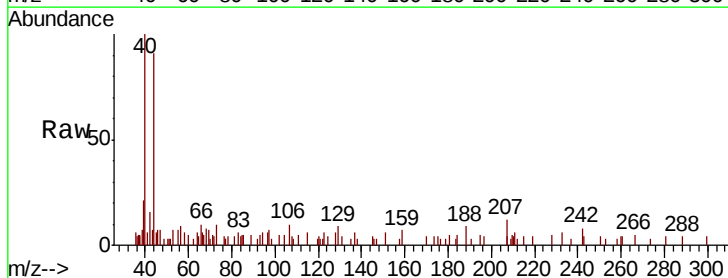
Acq: 15 May 2019 17:45

Tgt Ion: 106 Resp: 320

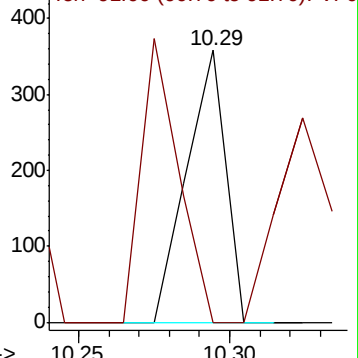
Ion Ratio Lower Upper

106 100

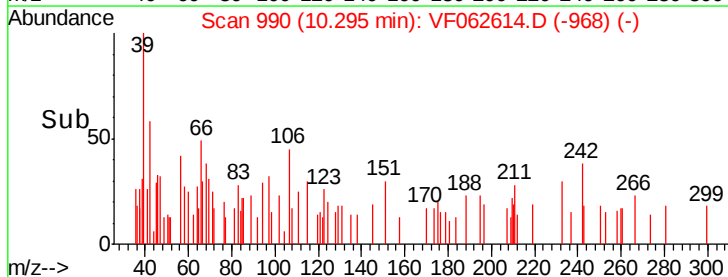
91 0.0 150.5 225.7#

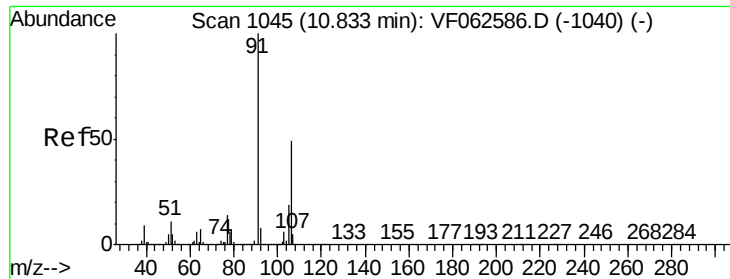


Abundance Ion 106.00 (105.70 to 106.70): V



Time-->

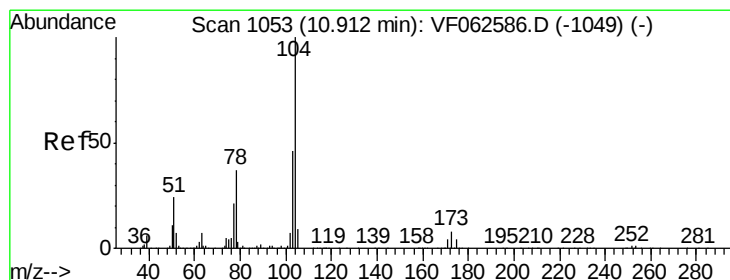
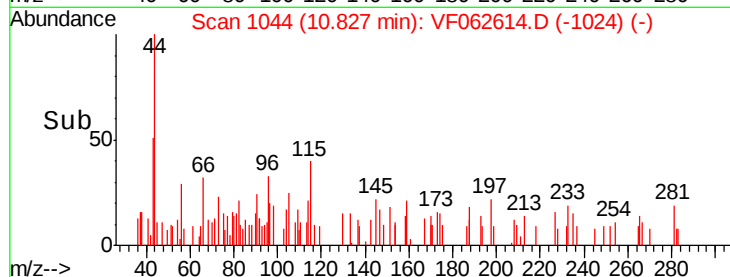
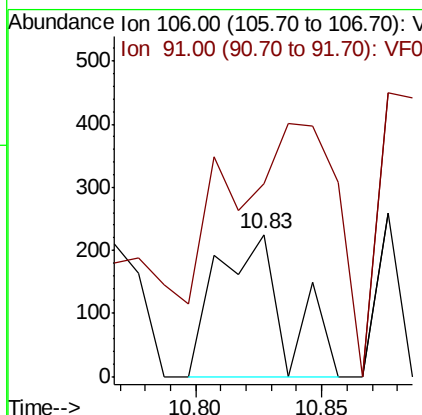
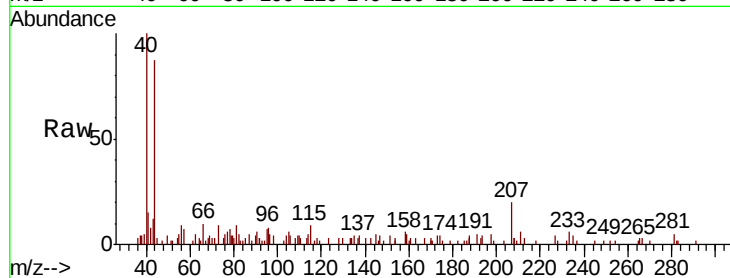




#69
o-Xylene
Concen: 40.144 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

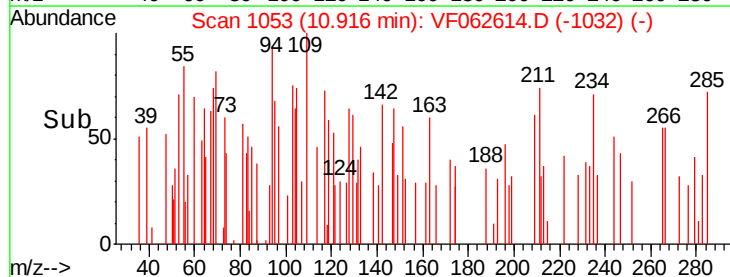
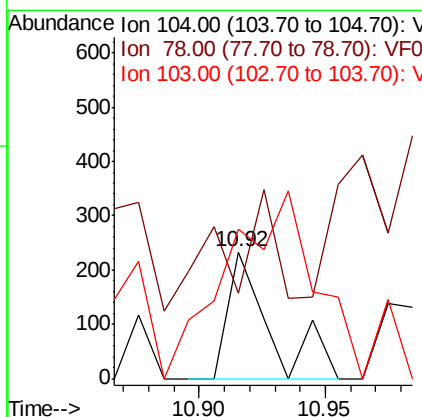
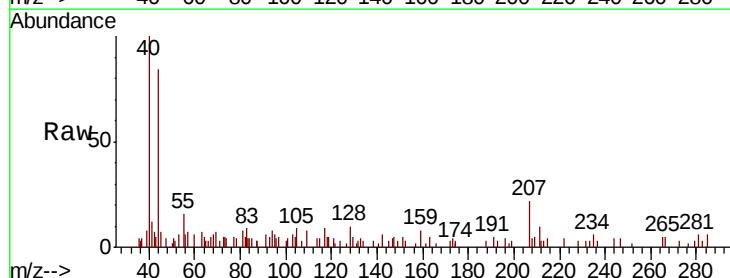
Instrument :
MSVOA_F
ClientSampled :

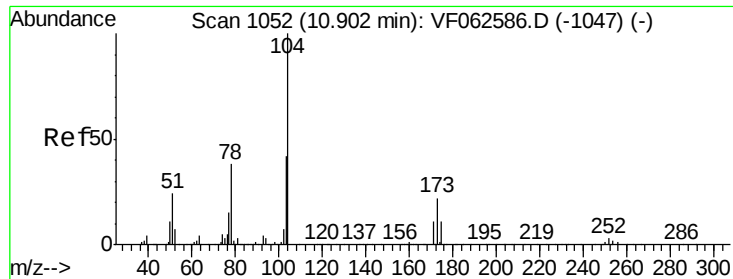
Tot Ion:106 Resp: 432
Ion Ratio Lower Upper
106 100
91 136.0 102.0 305.9



#70
Styrene
Concen: 16.268 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion:104 Resp: 266
Ion Ratio Lower Upper
104 100
78 67.4 30.2 45.2#
103 117.6 37.0 55.6#

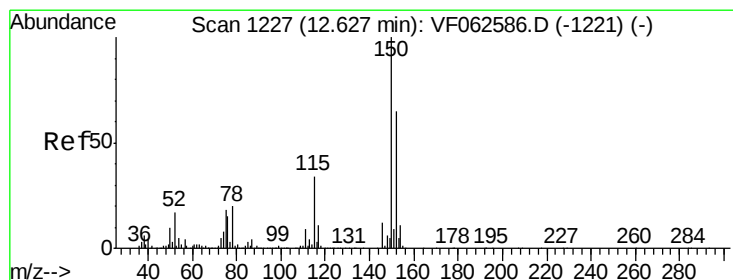
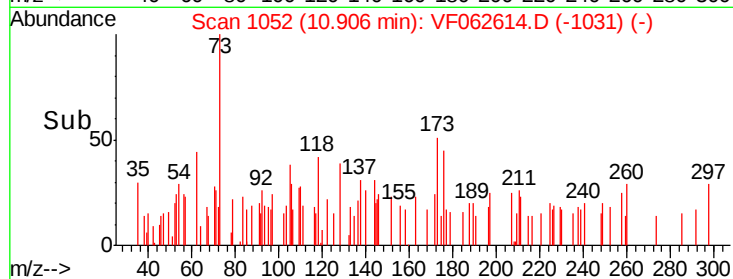
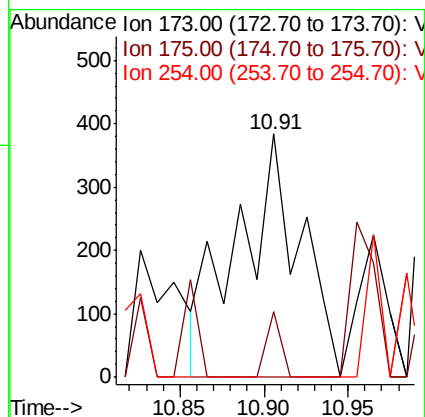
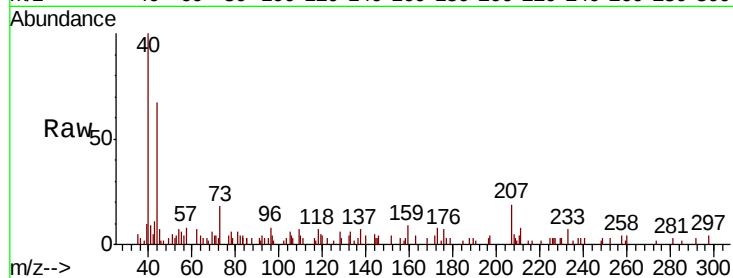




#71
Bromoform
Concen: 314.564 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

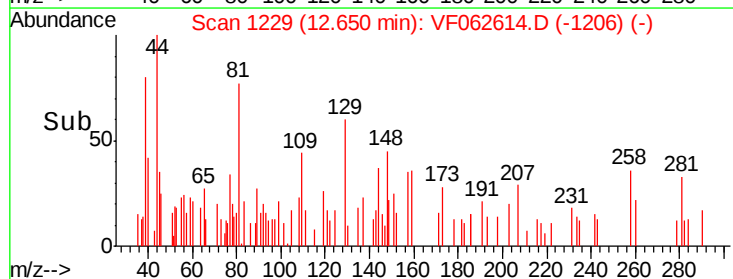
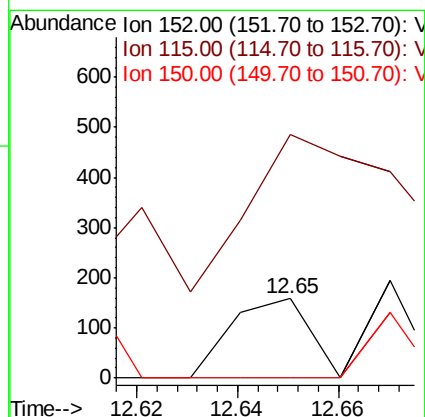
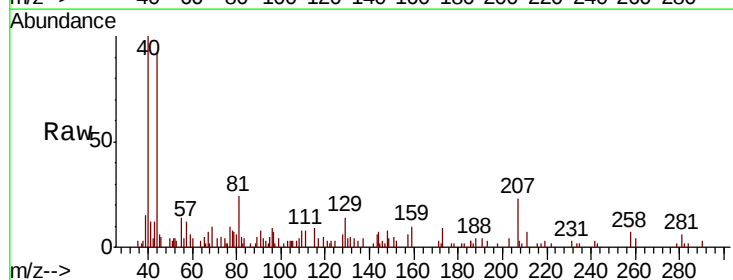
Instrument :
MSVOA_F
ClientSampled :

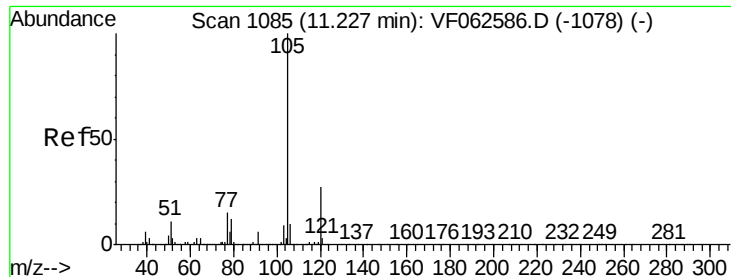
Tot Ion:173 Resp: 991
Ion Ratio Lower Upper
173 100
175 26.8 24.1 72.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.65 min Scan# 1229
Delta R.T. 0.02 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion:152 Resp: 170
Ion Ratio Lower Upper
152 100
115 307.6 26.2 78.6#
150 0.0 0.0 316.0





#73

Isopropylbenzene

Concen: 69.027 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

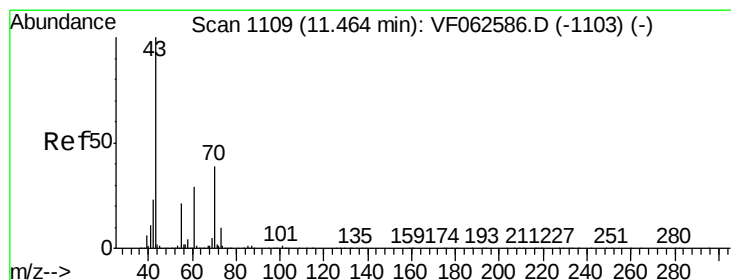
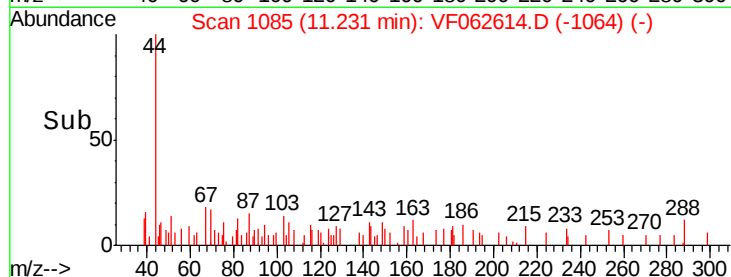
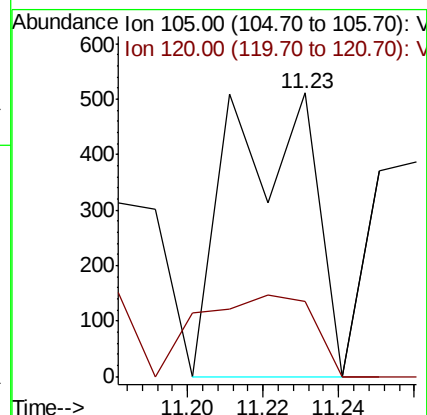
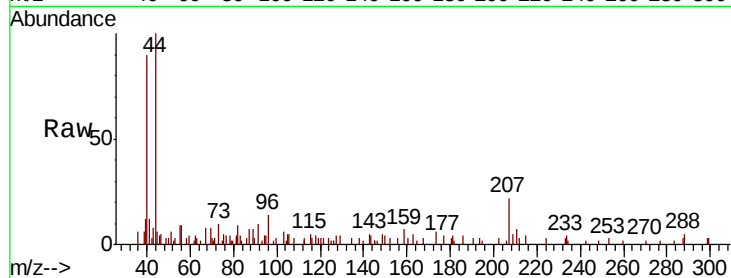
ClientSampleId :

Tot Ion:105 Resp: 789

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4



#74

N-ethyl acetate

Concen: 227.714 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Tgt Ion: 43 Resp: 632

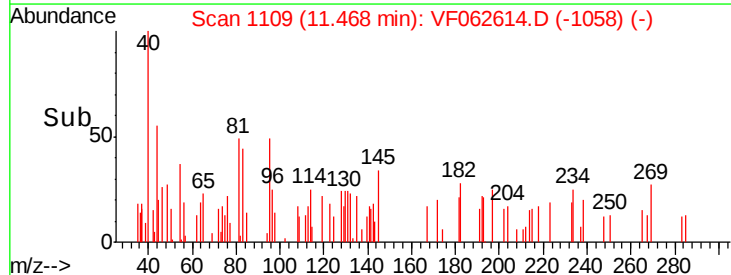
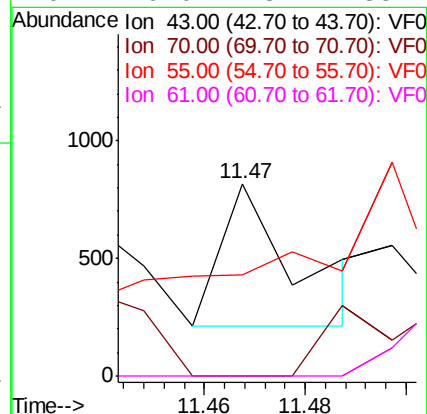
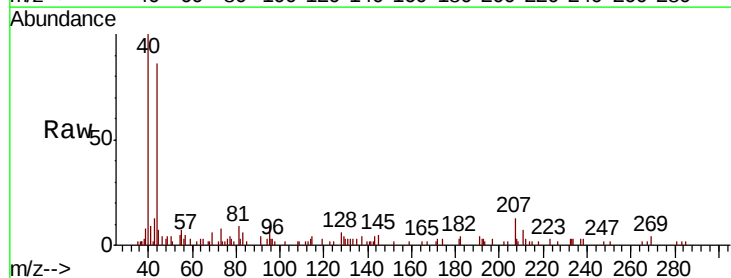
Ion Ratio Lower Upper

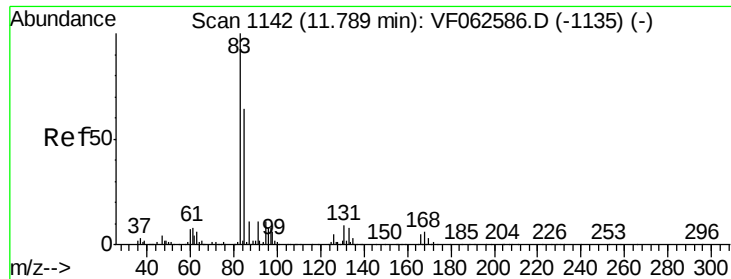
43 100

70 0.0 31.0 46.4#

55 52.3 16.7 25.1#

61 0.0 23.4 35.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 157.153 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. -0.05 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampled :

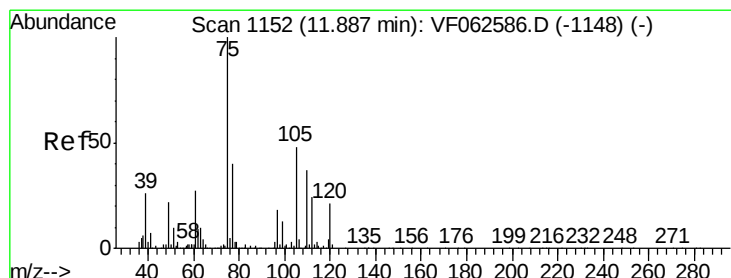
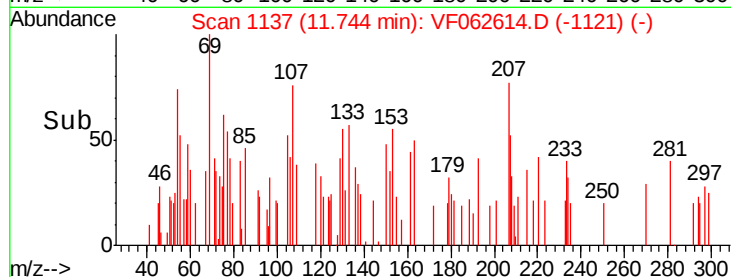
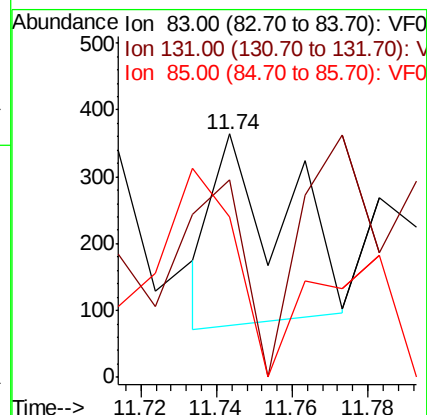
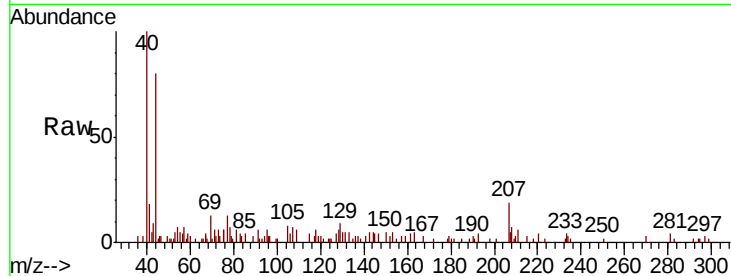
Tot Ion: 83 Resp: 368

Ion Ratio Lower Upper

83 100

131 81.0 4.6 13.8#

85 65.9 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 198.507 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062614.D

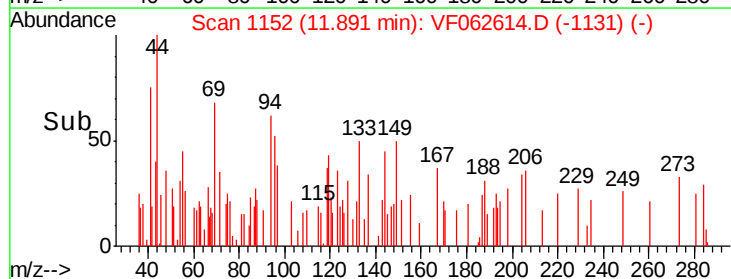
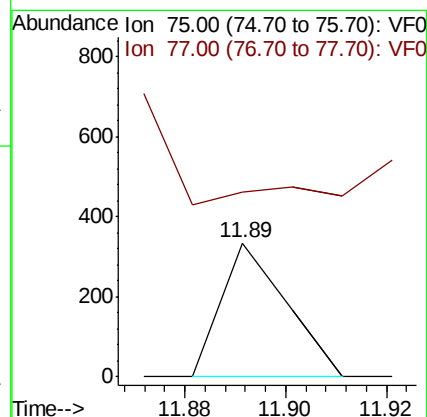
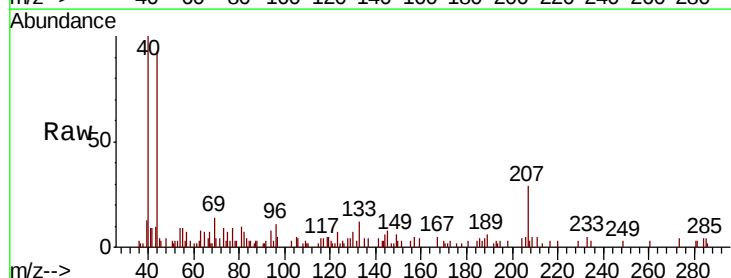
Acq: 15 May 2019 17:45

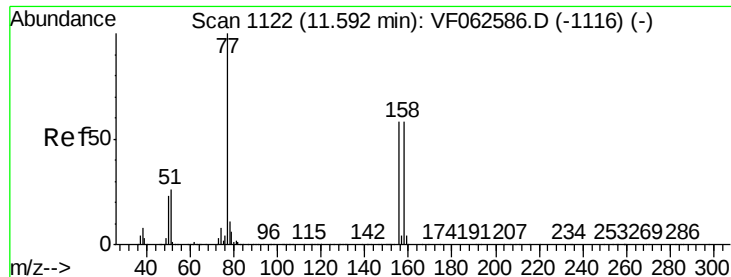
Tgt Ion: 75 Resp: 298

Ion Ratio Lower Upper

75 100

77 137.6 20.4 61.3#





#77

Bromobenzene

Concen: 204.410 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampleId :

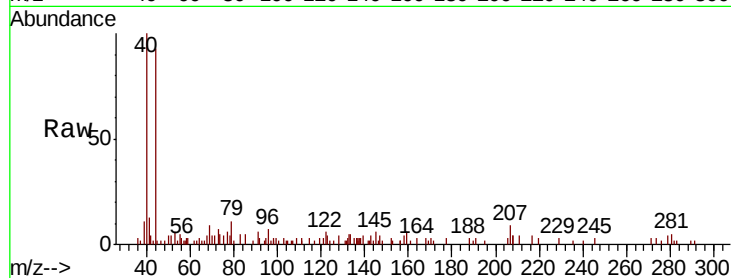
Tot Ion:156 Resp: 528

Ion Ratio Lower Upper

156 100

77 134.5 86.5 259.5

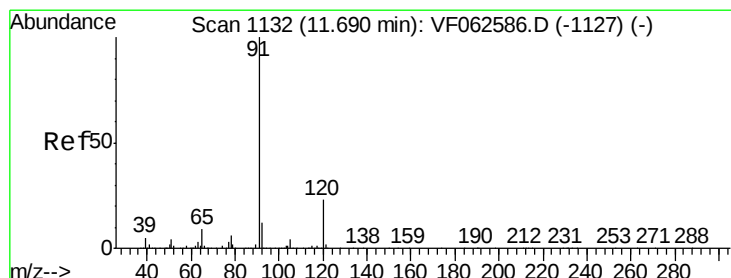
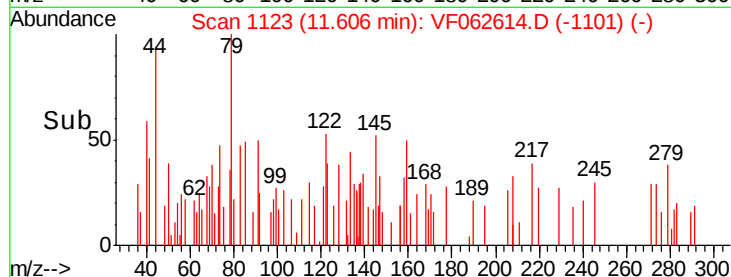
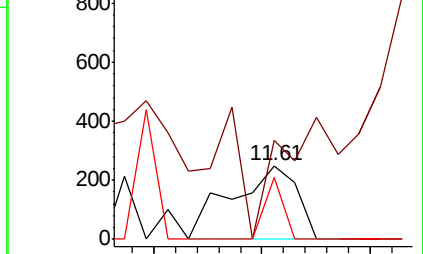
158 83.9 50.3 150.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 40.822 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF062614.D

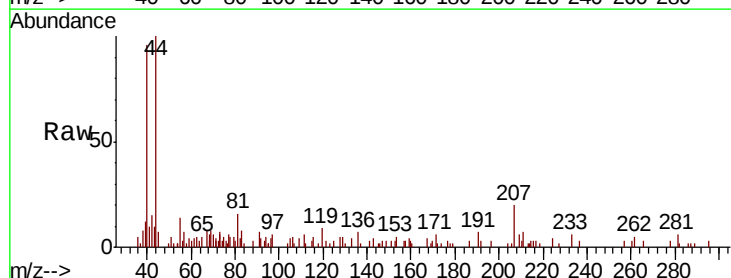
Acq: 15 May 2019 17:45

Tgt Ion: 91 Resp: 555

Ion Ratio Lower Upper

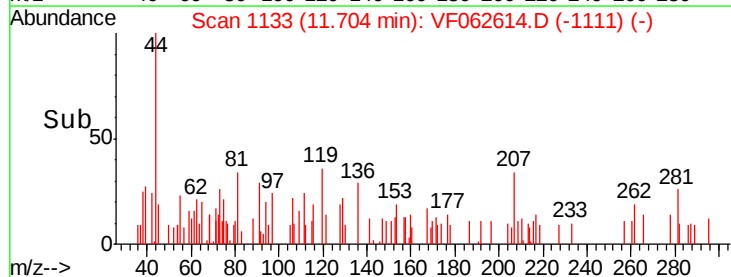
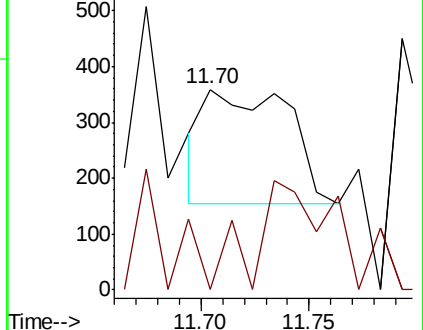
91 100

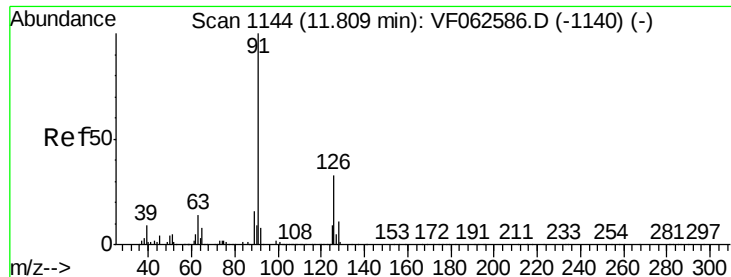
120 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

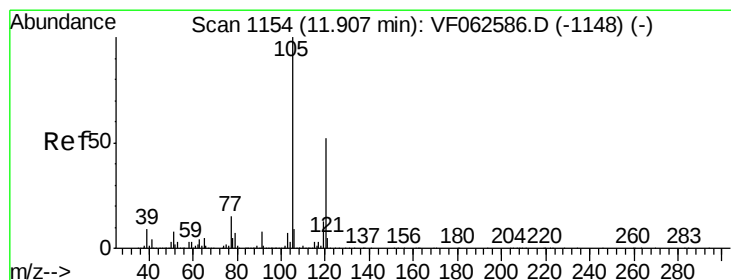
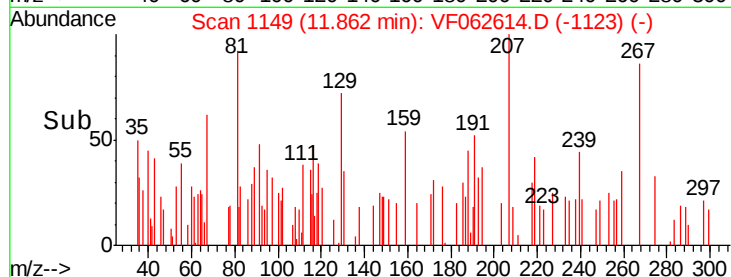
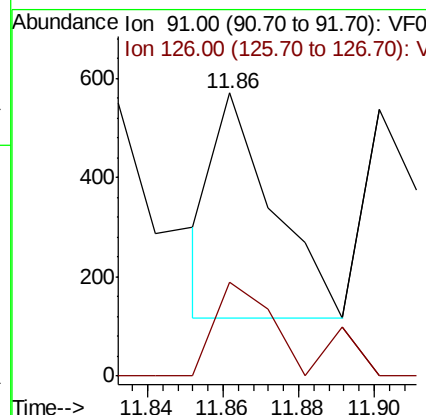
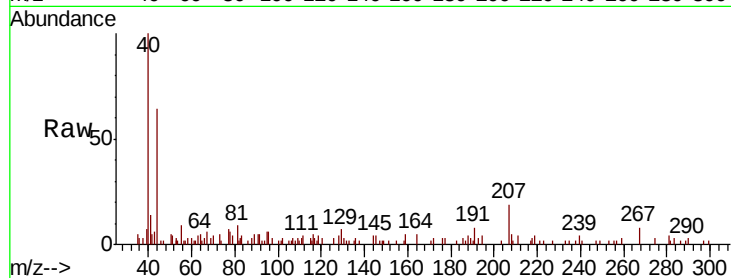




#79
2-Chlorotoluene
Concen: 65.172 ug/l
RT: 11.86 min Scan# 1149
Delta R.T. 0.05 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

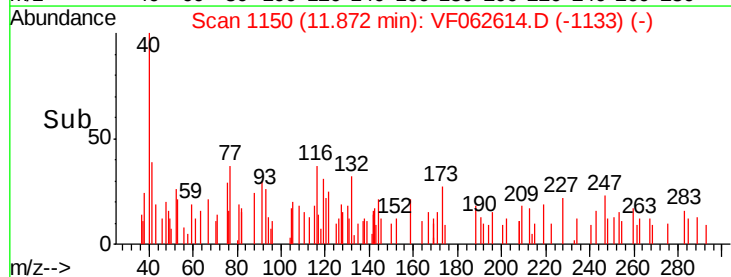
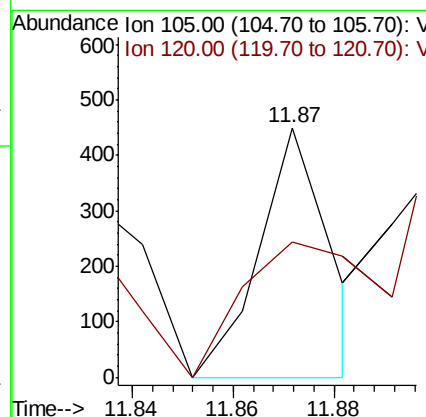
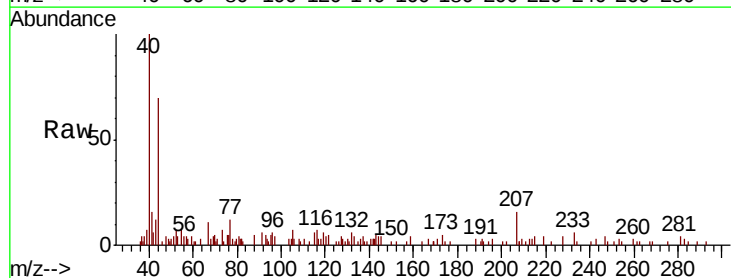
Instrument :
MSVOA_F
ClientSampleId :

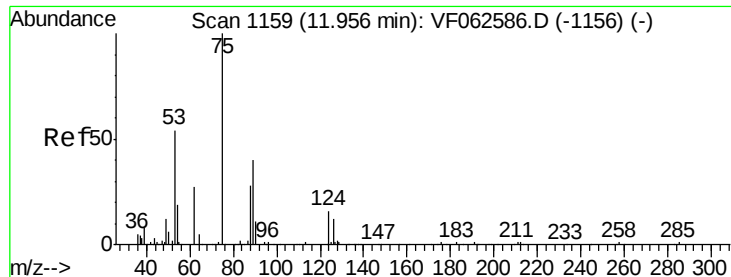
Tot Ion: 91 Resp: 489
Ion Ratio Lower Upper
91 100
126 33.3 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 48.729 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. -0.04 min
Lab File: VF062614.D
Acq: 15 May 2019 17:45

Tgt Ion:105 Resp: 436
Ion Ratio Lower Upper
105 100
120 54.2 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 354.766 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampleId :

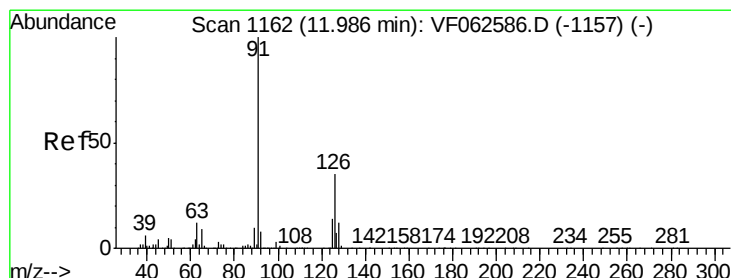
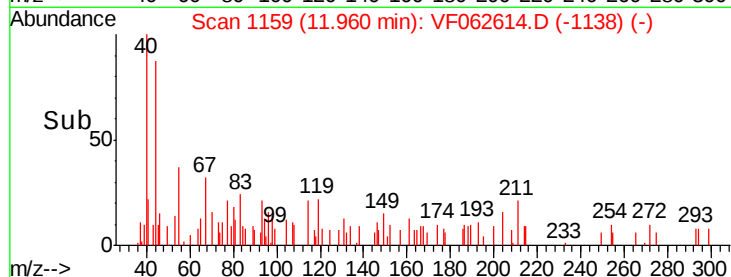
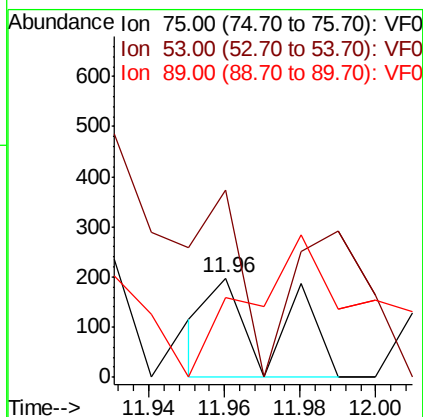
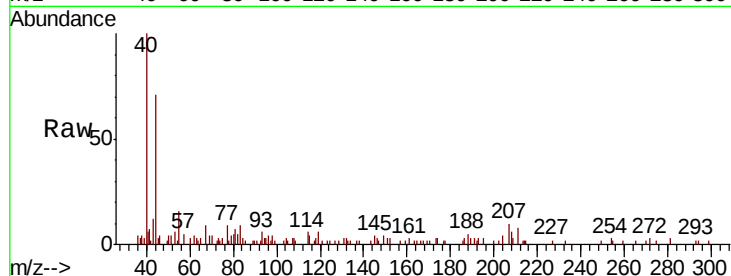
Tot Ion: 75 Resp: 227

Ion Ratio Lower Upper

75 100

53 188.4 46.6 70.0#

89 80.3 33.8 50.8#



#82

4-Chlorotoluene

Concen: 53.976 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062614.D

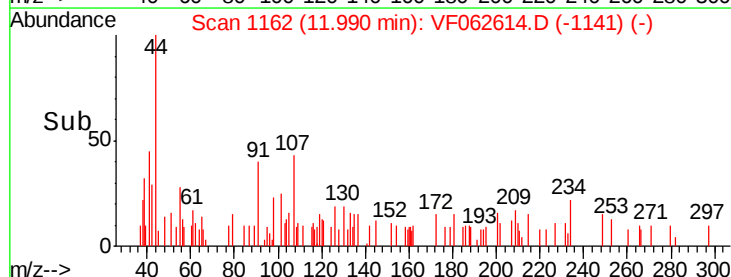
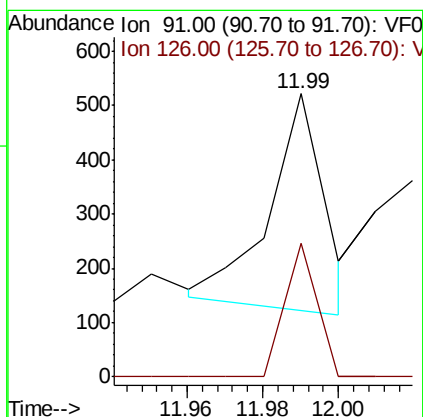
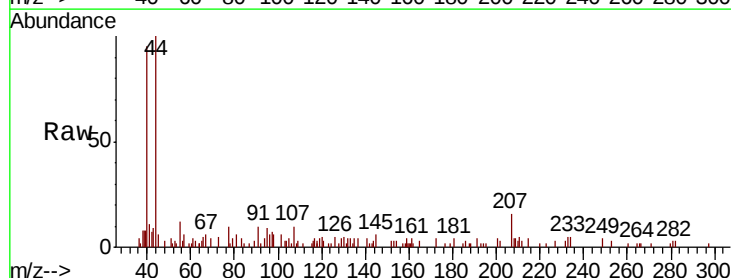
Acq: 15 May 2019 17:45

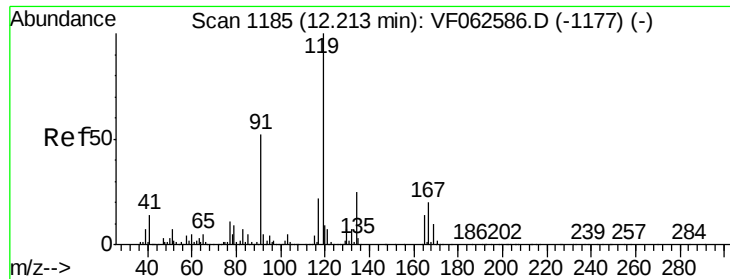
Tgt Ion: 91 Resp: 396

Ion Ratio Lower Upper

91 100

126 46.9 17.5 52.5





#83

tert-Butylbenzene

Concen: 70.091 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampleId :

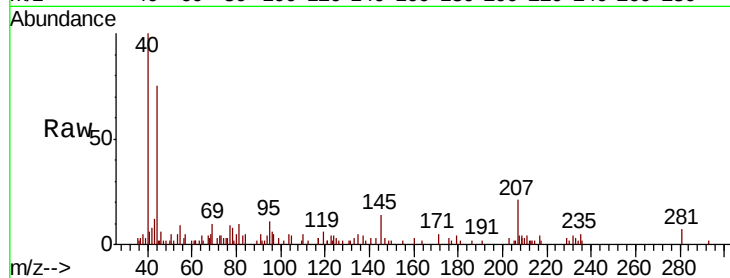
Tot Ion:119 Resp: 656

Ion Ratio Lower Upper

119 100

91 120.9 26.0 78.0#

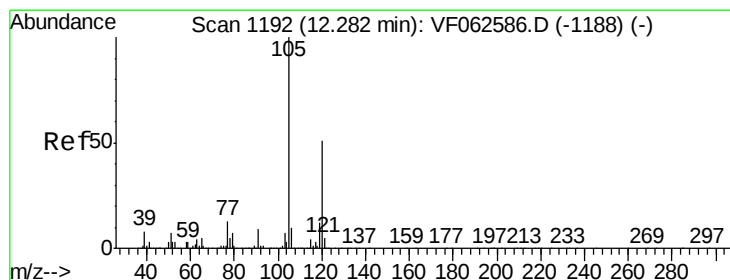
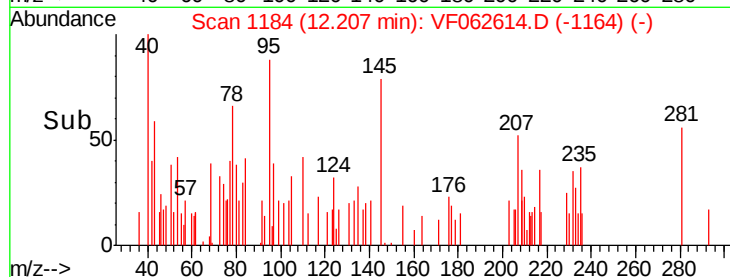
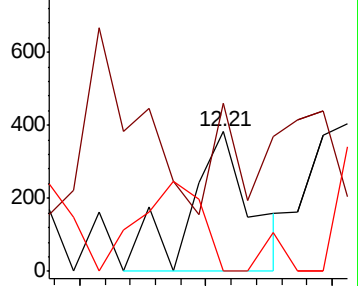
134 0.0 12.6 37.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 105.813 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.03 min

Lab File: VF062614.D

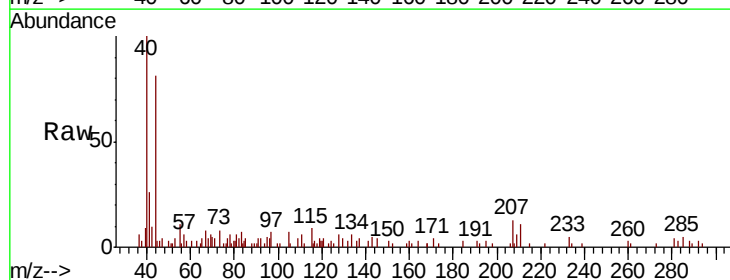
Acq: 15 May 2019 17:45

Tgt Ion:105 Resp: 930

Ion Ratio Lower Upper

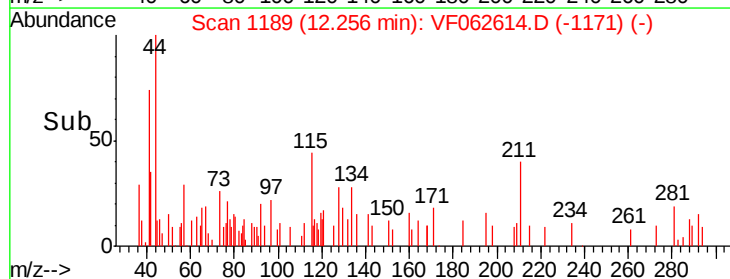
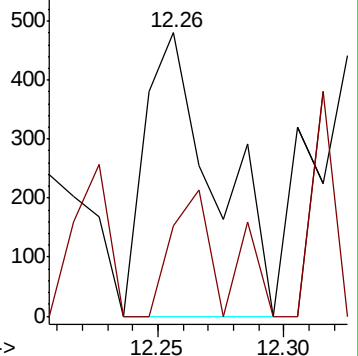
105 100

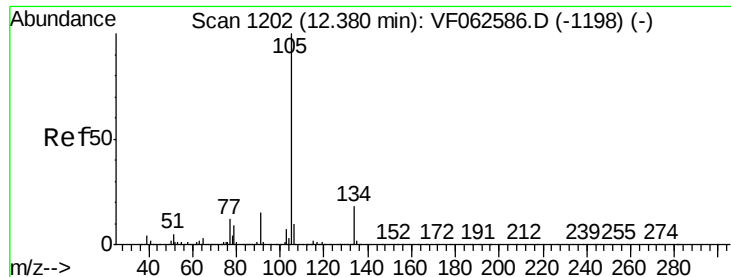
120 31.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 27.151 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

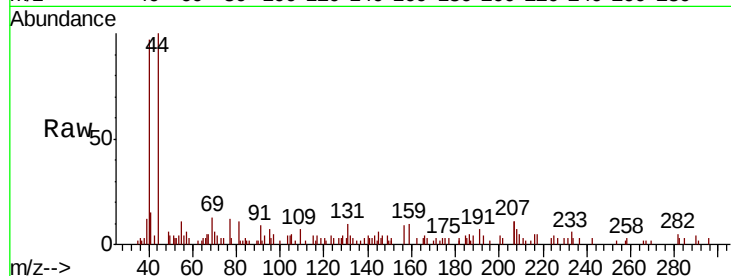
ClientSampled :

Tot Ion:105 Resp: 345

Ion Ratio Lower Upper

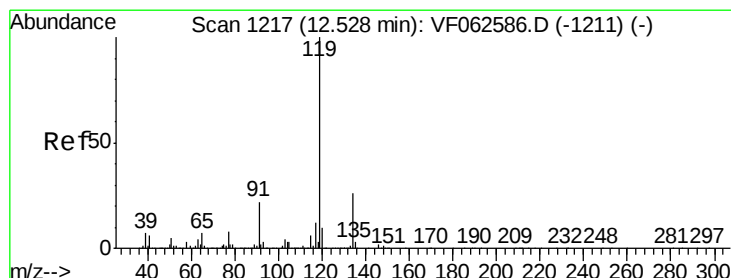
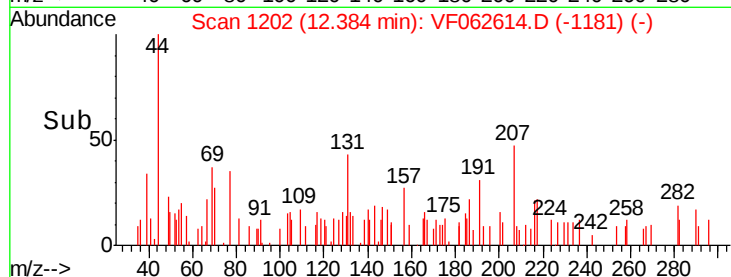
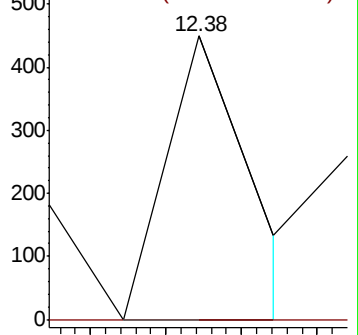
105 100

134 0.0 9.3 27.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.265 ug/l

RT: 12.67 min Scan# 1231

Delta R.T. 0.14 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

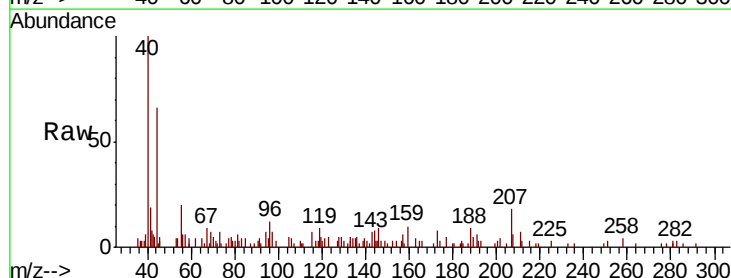
Tgt Ion:119 Resp: 463

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

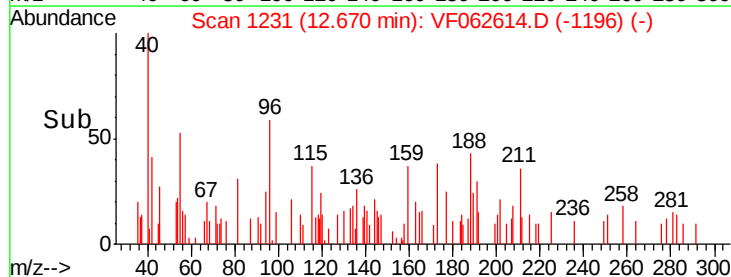
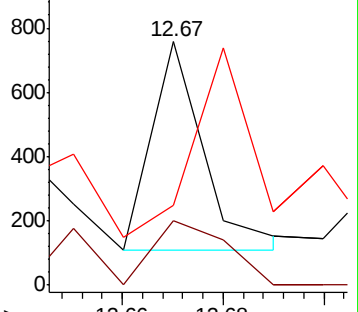
91 32.8 10.9 32.9

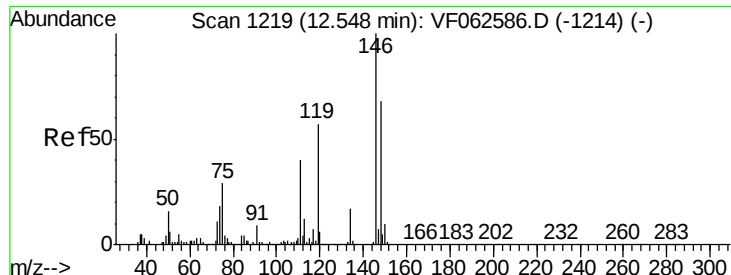


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 66.902 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062614.D

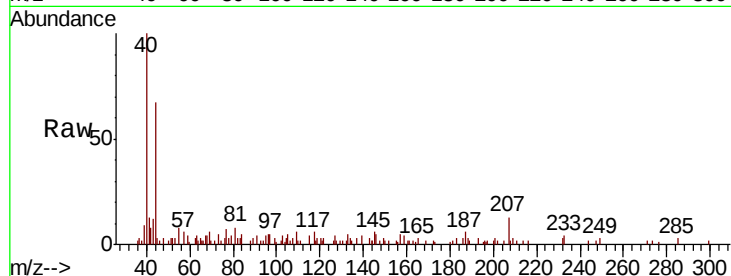
Acq: 15 May 2019 17:45

Instrument :

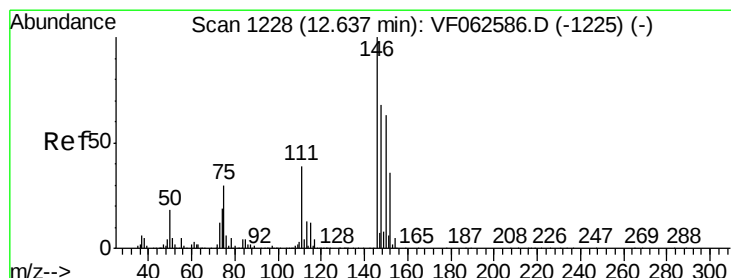
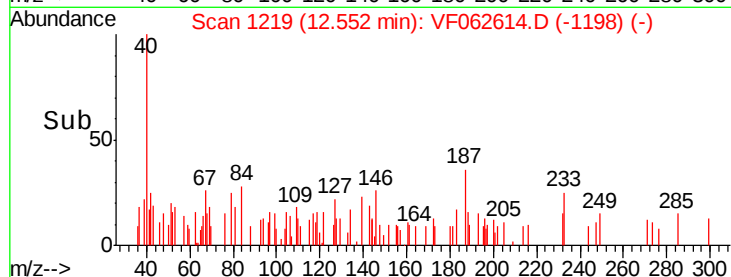
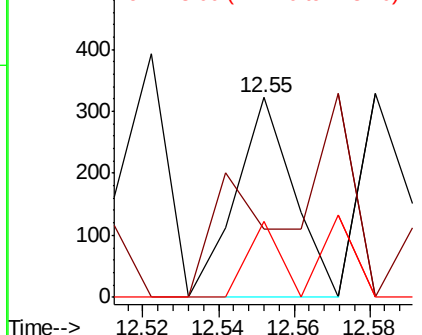
MSVOA_F

ClientSampleId :

Tot Ion:146	Resp:	338	
Ion Ratio	Lower	Upper	
146	100		
111	33.9	20.1	60.2
148	38.2	34.0	101.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 71.319 ug/l

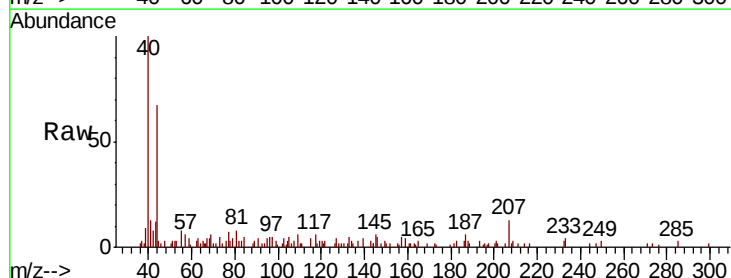
RT: 12.55 min Scan# 1219

Delta R.T. -0.08 min

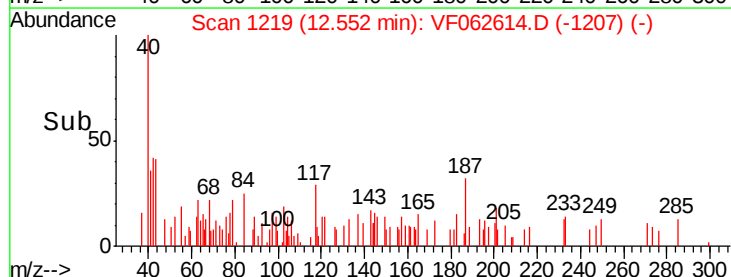
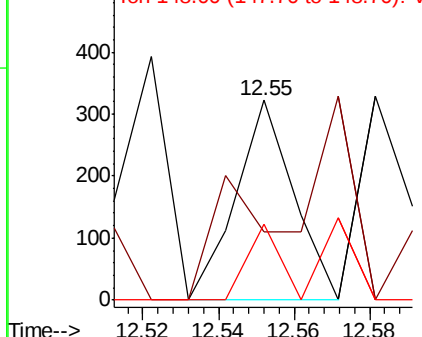
Lab File: VF062614.D

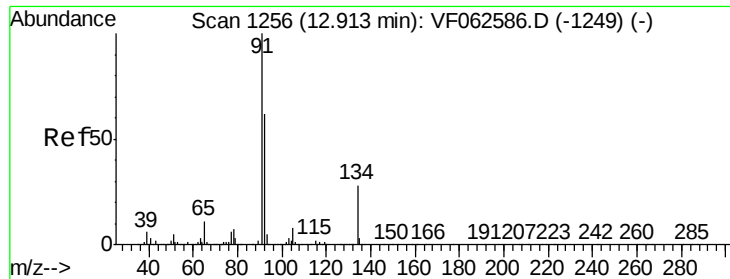
Acq: 15 May 2019 17:45

Tgt Ion:146	Resp:	338
Ion Ratio	Lower	Upper
146 100		
111 33.9	19.4	58.1
148 38.2	34.2	102.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 54.475 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampled :

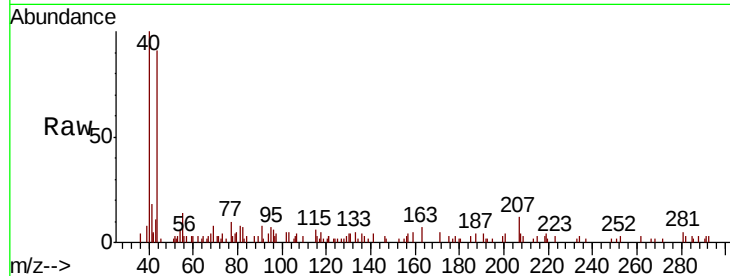
Tot Ion: 91 Resp: 580

Ion Ratio Lower Upper

91 100

92 28.8 30.9 92.8#

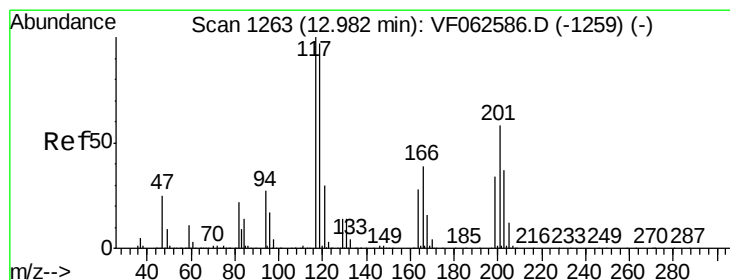
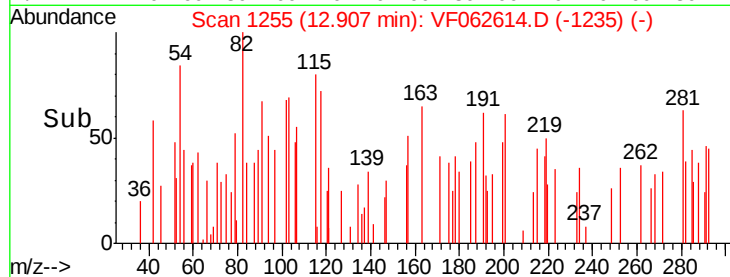
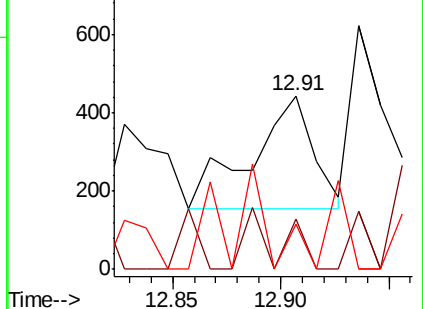
134 26.1 13.9 41.6



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: 281.793 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.05 min

Lab File: VF062614.D

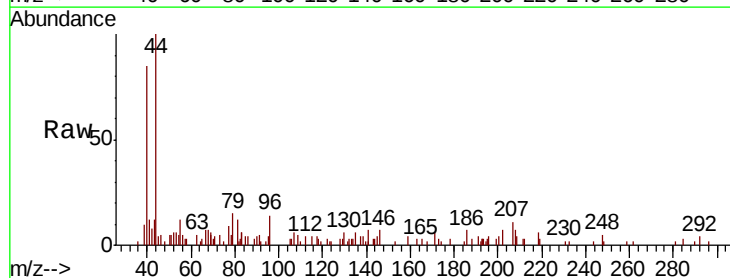
Acq: 15 May 2019 17:45

Tgt Ion: 117 Resp: 755

Ion Ratio Lower Upper

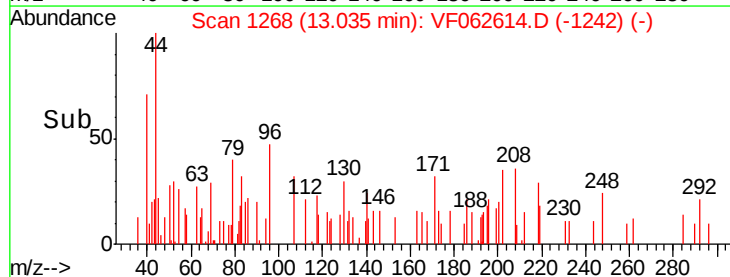
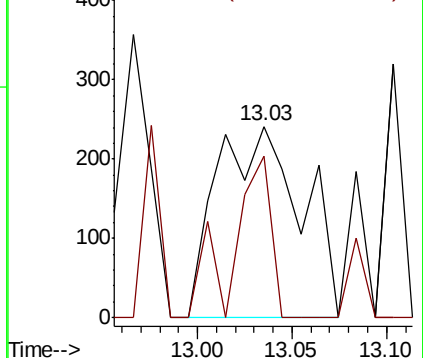
117 100

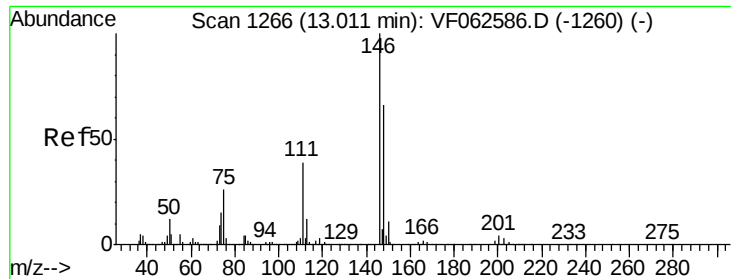
201 84.6 29.7 89.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 67.381 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampled :

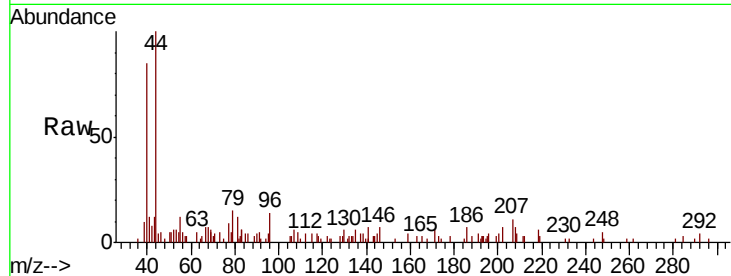
Tot Ion:146 Resp: 302

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

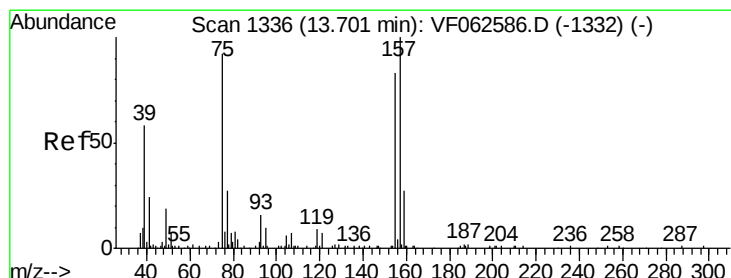
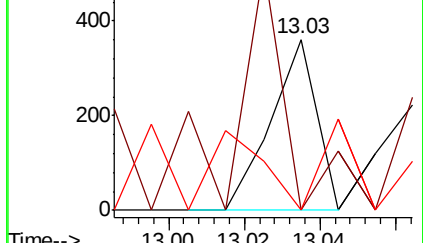
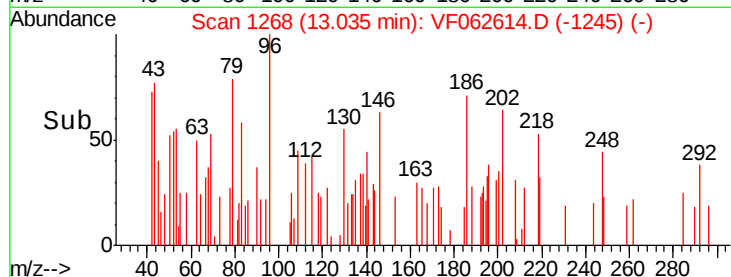
148 0.0 33.1 99.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1272.438 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

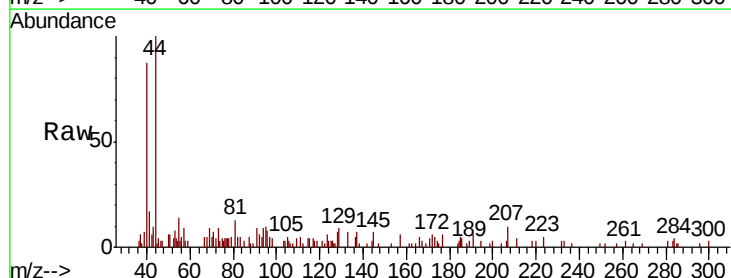
Tgt Ion: 75 Resp: 366

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

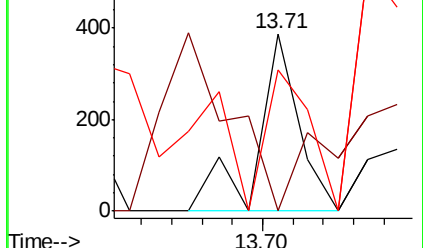
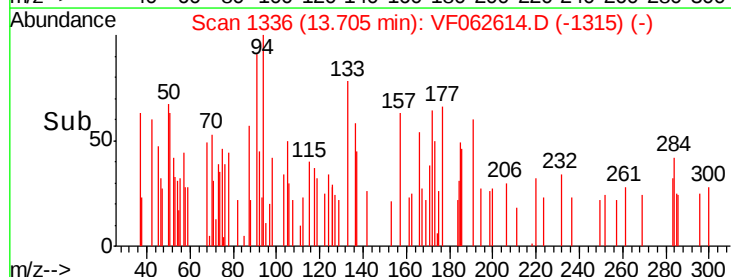
157 79.6 54.1 162.3

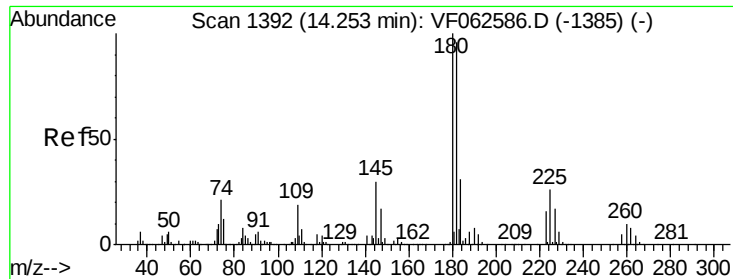


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

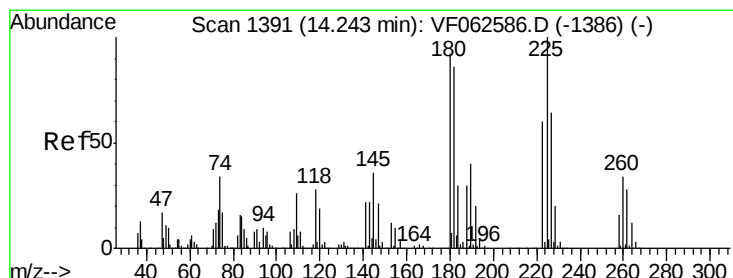
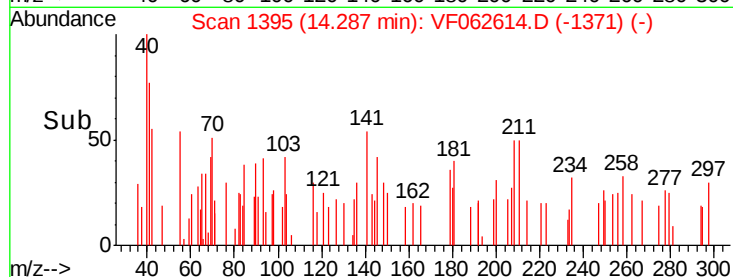
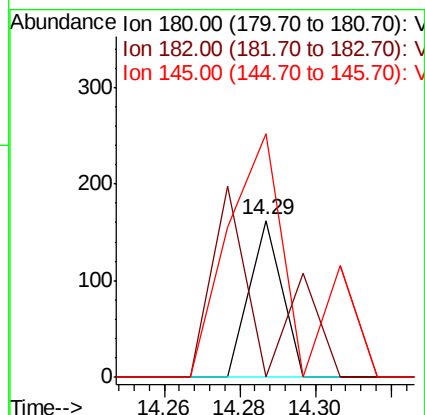
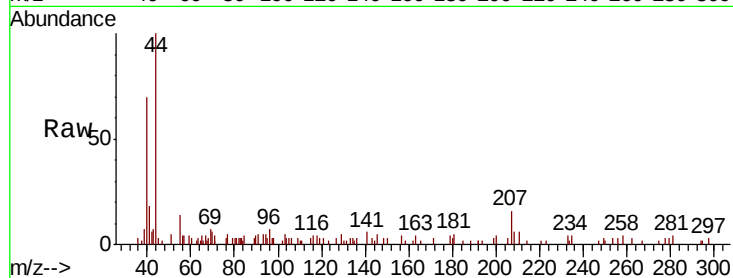




#93
 1,2,4-Trichlorobenzene
 Concen: 30.802 ug/l
 RT: 14.29 min Scan# 1395
 Delta R.T. 0.03 min
 Lab File: VF062614.D
 Acq: 15 May 2019 17:45

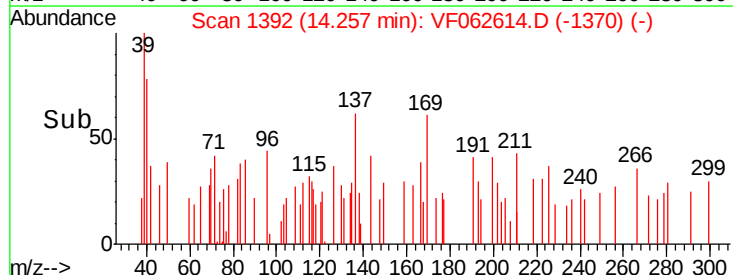
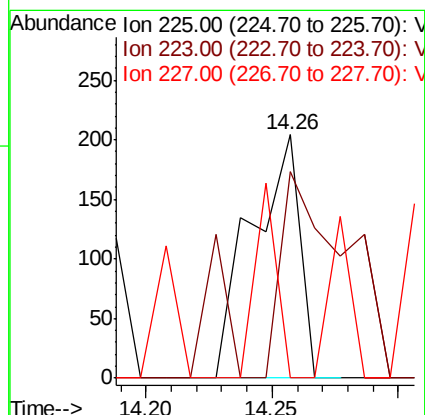
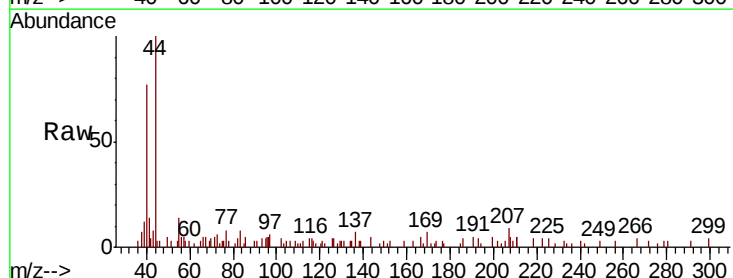
Instrument :
 MSVOA_F
 ClientSampled :

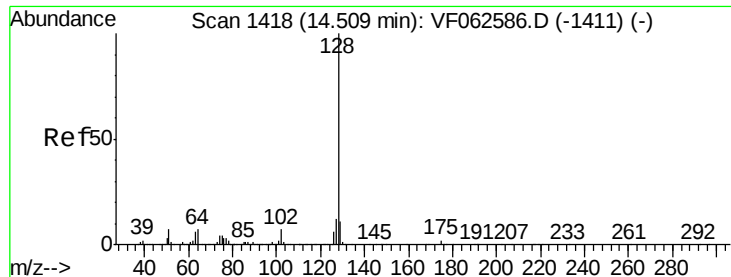
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.8#
145	155.6	14.8	44.4#



#94
 Hexachlorobutadiene
 Concen: 120.580 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062614.D
 Acq: 15 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	84.8	29.9	89.7
227	0.0	31.9	95.9#





#95

Naphthalene

Concen: 187.072 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

Instrument :

MSVOA_F

ClientSampled :

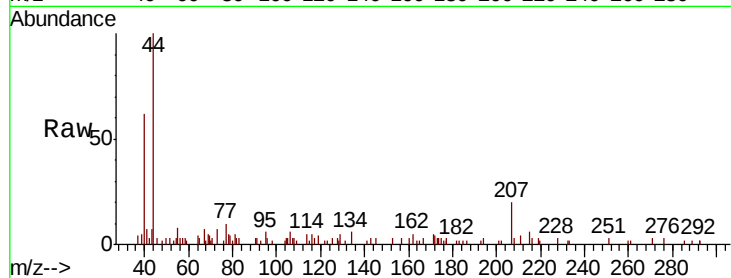
Tot Ion:128 Resp: 949

Ion Ratio Lower Upper

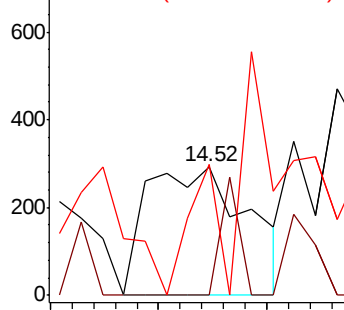
128 100

127 0.0 9.5 14.3#

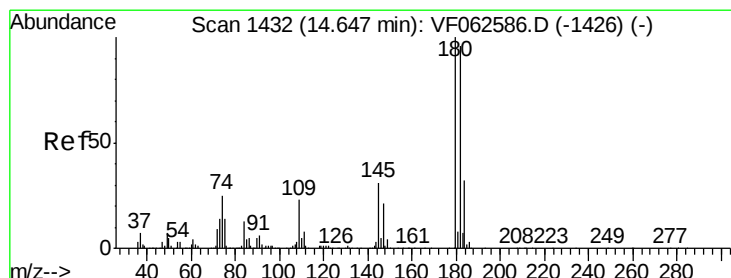
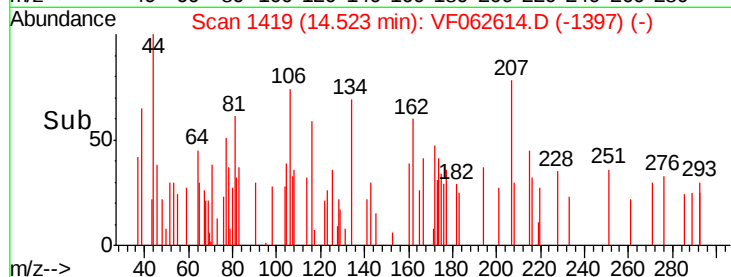
129 101.4 8.6 13.0#



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--> 14.45 14.50 14.55



#96

1,2,3-Trichlorobenzene

Concen: 35.277 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.03 min

Lab File: VF062614.D

Acq: 15 May 2019 17:45

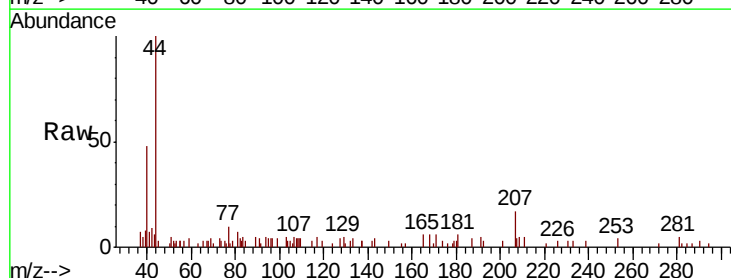
Tgt Ion:180 Resp: 102

Ion Ratio Lower Upper

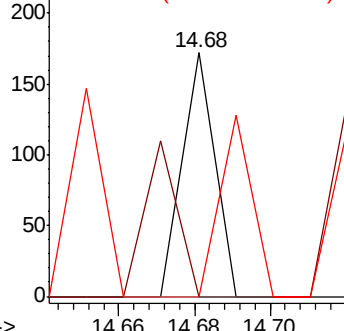
180 100

182 0.0 48.1 144.3#

145 0.0 15.6 46.7#



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--> 14.66 14.68 14.70

