

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062589.D
 Acq On : 14 May 2019 18:49
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF051419

Quant Time: May 15 05:15:39 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	681187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1092452	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	823618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	395656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	229273	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	
35) Dibromofluoromethane	4.33	113	381563	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	7.73	98	936262	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.51	95	326891	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	292455	47.401	ug/l	96
3) Chloromethane	1.15	50	331364	42.656	ug/l	96
4) Vinyl Chloride	1.20	62	331066	42.820	ug/l	95
5) Bromomethane	1.39	94	172551	46.690	ug/l	92
6) Chloroethane	1.44	64	143554	48.892	ug/l	98
7) Trichlorofluoromethane	1.56	101	457175	43.156	ug/l	98
8) Diethyl Ether	1.72	74	108240	45.581	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.92	101	313372	43.368	ug/l #	92
10) Methyl Iodide	1.99	142	542108	42.124	ug/l	94
11) Tert butyl alcohol	2.71	59	72591	234.294	ug/l	97
12) 1,1-Dichloroethene	1.88	96	275133	44.449	ug/l	96
13) Acrolein	2.11	56	34706	169.022	ug/l	92
14) Allyl chloride	2.21	41	339629	53.622	ug/l	98
15) Acrylonitrile	3.10	53	243642	219.831	ug/l	96
16) Acetone	2.36	43	265815	254.561	ug/l	90
17) Carbon Disulfide	1.92	76	610353	47.123	ug/l	98
18) Methyl Acetate	2.48	43	103999	47.411	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	526337	47.757	ug/l	96
20) Methylene Chloride	2.30	84	117785	15.504	ug/l	95
21) trans-1,2-Dichloroethene	2.44	96	268090	42.976	ug/l	98
22) Diisopropyl ether	2.95	45	716083	48.625	ug/l	96
23) Vinyl Acetate	3.37	43	1975277	245.225	ug/l	97
24) 1,1-Dichloroethane	3.03	63	505085	45.054	ug/l	99
25) 2-Butanone	4.55	43	569347	241.176	ug/l	99
26) 2,2-Dichloropropane	3.80	77	271009	44.793	ug/l	91
27) cis-1,2-Dichloroethene	3.67	96	400477	45.439	ug/l	98
28) Bromochloromethane	3.93	49	270138	42.868	ug/l #	81
29) Tetrahydrofuran	4.29	42	228510	228.741	ug/l	96
30) Chloroform	4.08	83	607918	45.192	ug/l	92
31) Cyclohexane	3.91	56	492843	42.181	ug/l	96
32) 1,1,1-Trichloroethane	4.32	97	409766	45.192	ug/l	96
36) 1,1-Dichloropropene	4.50	75	450529	47.660	ug/l	97
37) Ethyl Acetate	4.32	43	191022	49.174	ug/l	90
38) Carbon Tetrachloride	4.20	117	376202	48.514	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	504823	45.612	ug/l	95
40) Benzene	4.84	78	1235060	45.925	ug/l	100
41) Methacrylonitrile	4.95	41	110286	50.135	ug/l	94
42) 1,2-Dichloroethane	5.15	62	267894	46.943	ug/l	100
43) Isopropyl Acetate	7.13	43	232054	50.482	ug/l	99
44) Trichloroethene	5.71	130	337979	46.536	ug/l	99
45) 1,2-Dichloropropane	6.43	63	330381	48.807	ug/l	99
46) Dibromomethane	6.28	93	178975	47.291	ug/l	93
47) Bromodichloromethane	6.58	83	398860	49.025	ug/l	97
48) Methyl methacrylate	6.89	41	129190	51.345	ug/l	98
49) 1,4-Dioxane	6.89	88	28029	845.344	ug/l #	84
51) 4-Methyl-2-Pentanone	8.42	43	836562	248.371	ug/l	94
52) Toluene	7.80	92	627447	46.478	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	303469	47.215	ug/l	96
54) cis-1,3-Dichloropropene	7.49	75	443578	48.837	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	192848	47.711	ug/l	96
56) Ethyl methacrylate	8.78	69	224591	50.697	ug/l	97
57) 1,3-Dichloropropane	9.01	76	327045	49.023	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.48	63	320548	231.255	ug/l	92
59) 2-Hexanone	9.64	43	576137	258.995	ug/l	98
60) Dibromochloromethane	8.89	129	251898	49.050	ug/l	97
61) 1,2-Dibromoethane	9.15	107	203066	50.091	ug/l	99
64) Tetrachloroethene	8.32	164	238881	43.892	ug/l	96
65) Chlorobenzene	9.95	112	662276	46.252	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	284042	48.296	ug/l	96
67) Ethyl Benzene	10.05	91	1179306	46.356	ug/l	99
68) m/p-Xylenes	10.28	106	867058	96.159	ug/l	98
69) o-Xylene	10.84	106	461713	48.812	ug/l	98
70) Styrene	10.91	104	664461	46.230	ug/l	98
71) Bromoform	10.90	173	135523	48.940	ug/l	99
73) Isopropylbenzene	11.23	105	1277947	48.038	ug/l	98
74) N-amyl acetate	11.46	43	331264	51.284	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	259636	47.640	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	162356	46.469	ug/l	92
77) Bromobenzene	11.60	156	290129	48.260	ug/l	85
78) n-propylbenzene	11.69	91	1468416	46.407	ug/l	99
79) 2-Chlorotoluene	11.81	91	812301	46.516	ug/l	90
80) 1,3,5-Trimethylbenzene	11.91	105	998485	47.949	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	93818	62.999	ug/l	97
82) 4-Chlorotoluene	11.98	91	800237	46.866	ug/l	98
83) tert-Butylbenzene	12.21	119	1039569	47.725	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	978643	47.842	ug/l	96
85) sec-Butylbenzene	12.39	105	1396884	47.234	ug/l	95
86) p-Isopropyltoluene	12.53	119	1168870	48.015	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	539951	45.921	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	517477	46.915	ug/l	96
89) n-Butylbenzene	12.91	91	1174272	47.388	ug/l	98
90) Hexachloroethane	12.99	117	292766	46.950	ug/l	80
91) 1,2-Dichlorobenzene	13.01	146	504802	48.393	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32887	49.126	ug/l	67

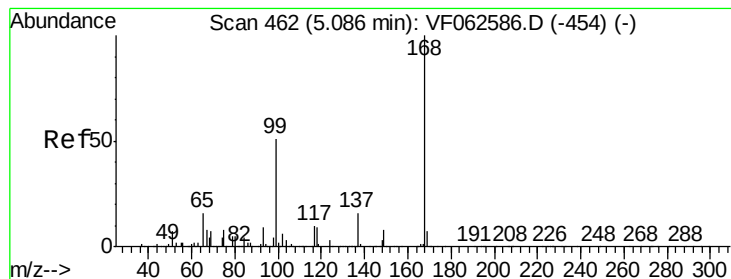
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	361038	49.772	ug/l	99
94) Hexachlorobutadiene	14.24	225	251229	47.677	ug/l	98
95) Naphthalene	14.50	128	633730	53.676	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	334849	49.759	ug/l	99

(#) = 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. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

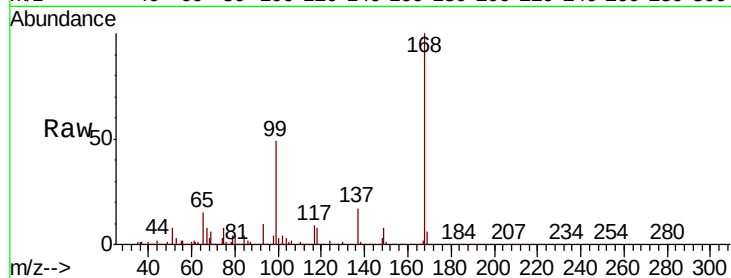
ICVVF051419

Tot Ion:168 Resp: 681187

Ion Ratio Lower Upper

168 100

99 49.0 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

150000

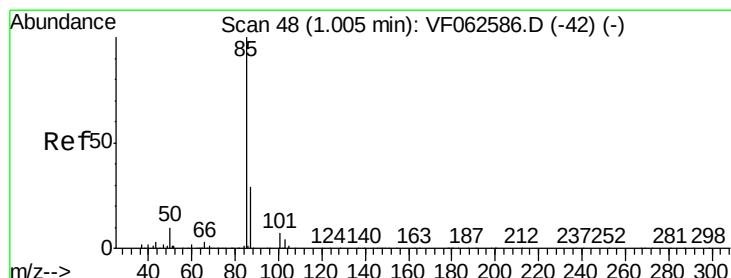
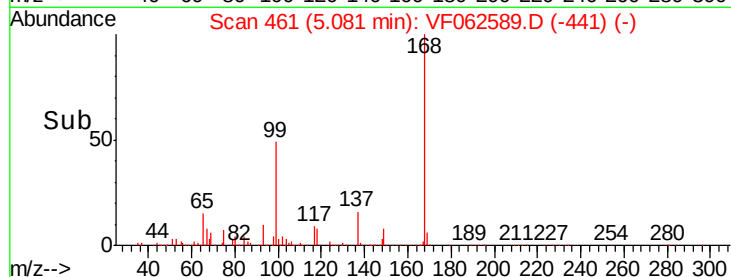
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 47.401 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062589.D

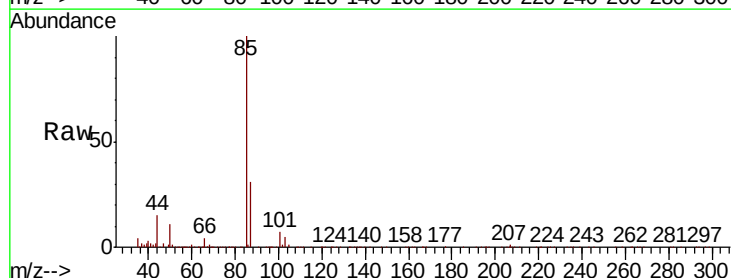
Acq: 14 May 2019 18:49

Tgt Ion: 85 Resp: 292455

Ion Ratio Lower Upper

85 100

87 31.3 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

100000

80000

60000

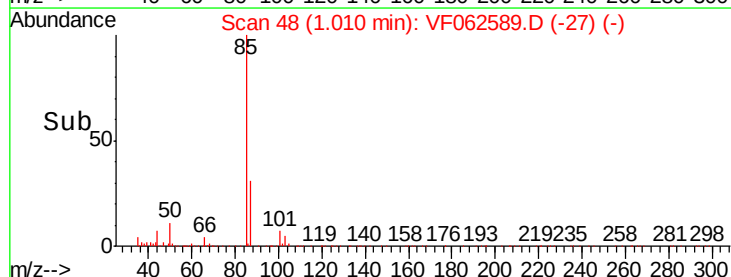
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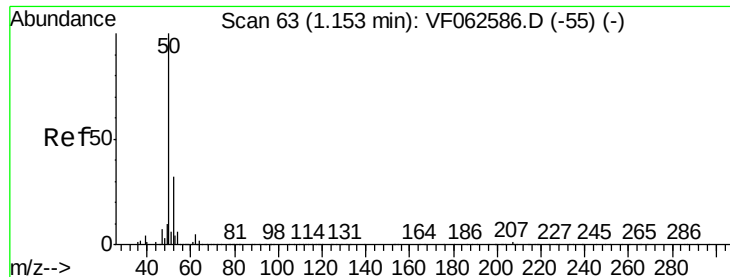
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 42.656 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

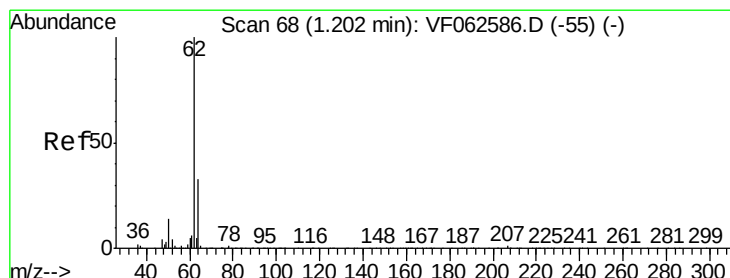
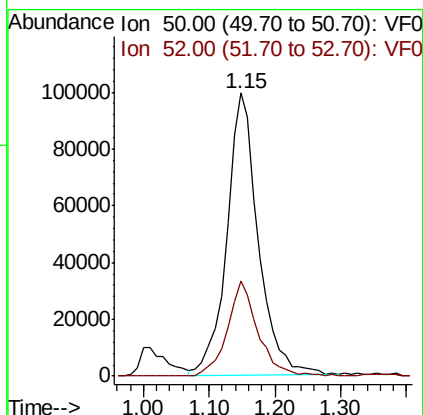
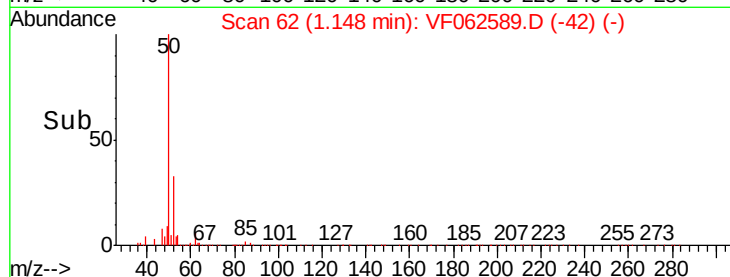
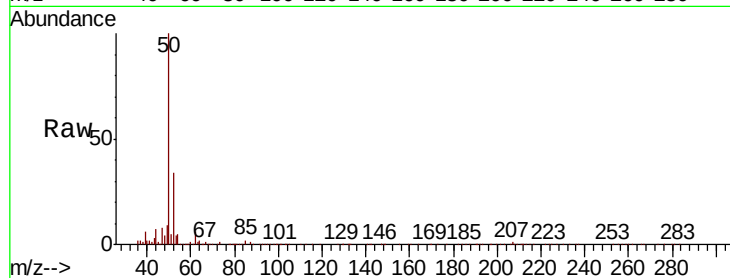
ICVVF051419

Tot Ion: 50 Resp: 331364

Ion Ratio Lower Upper

50 100

52 33.6 25.3 37.9



#4

Vinyl Chloride

Concen: 42.820 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062589.D

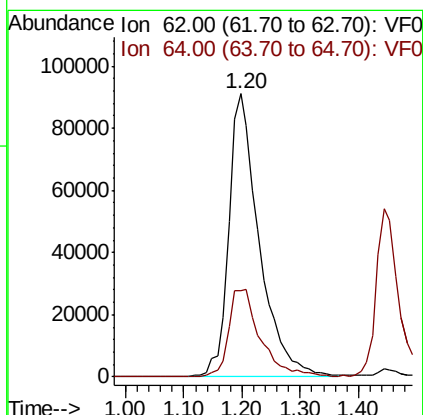
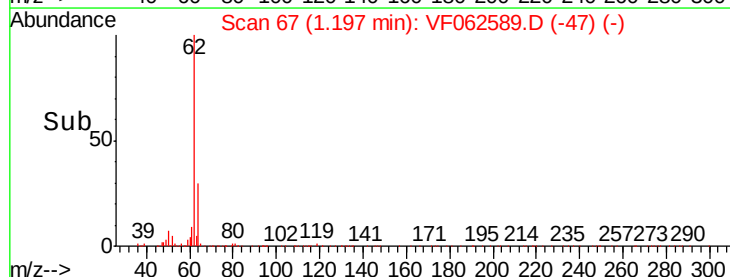
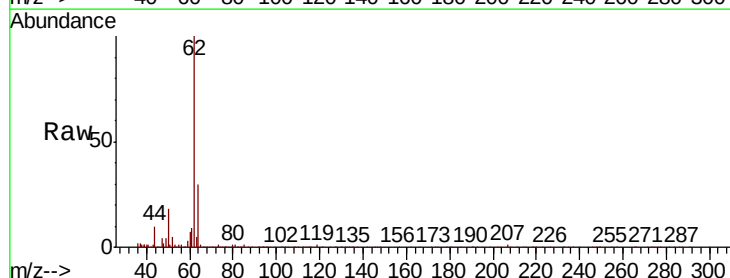
Acq: 14 May 2019 18:49

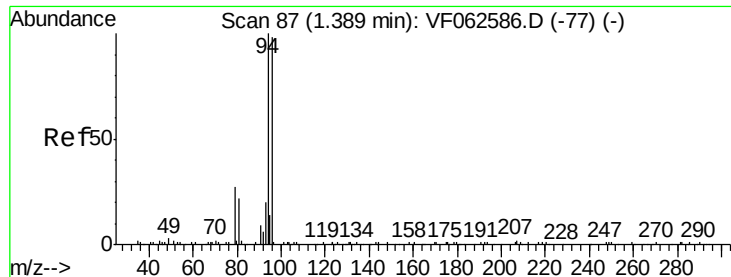
Tgt Ion: 62 Resp: 331066

Ion Ratio Lower Upper

62 100

64 30.3 26.5 39.7





#5

Bromomethane

Concen: 46.690 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

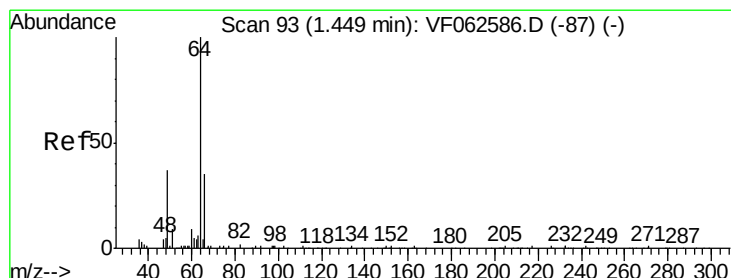
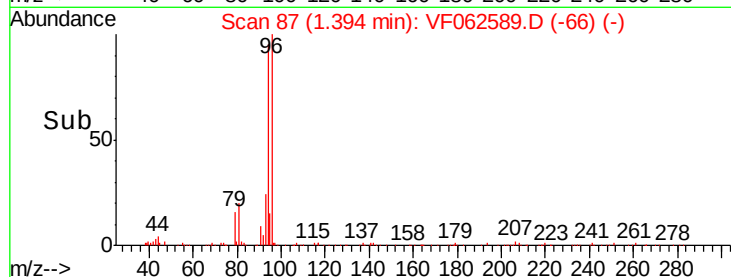
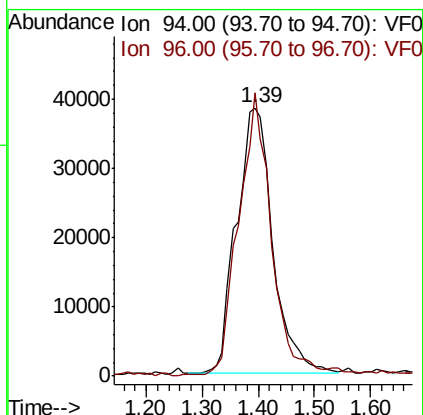
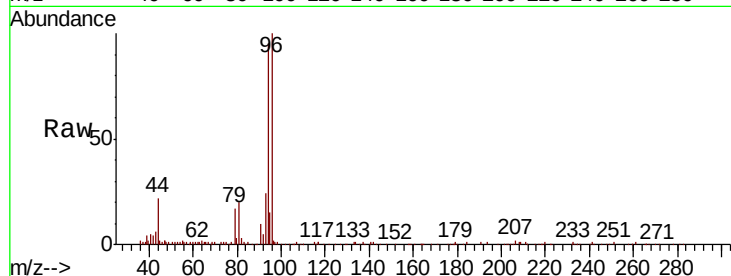
ICVVF051419

Tot Ion: 94 Resp: 172551

Ion Ratio Lower Upper

94 100

96 107.1 79.3 118.9



#6

Chloroethane

Concen: 48.892 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062589.D

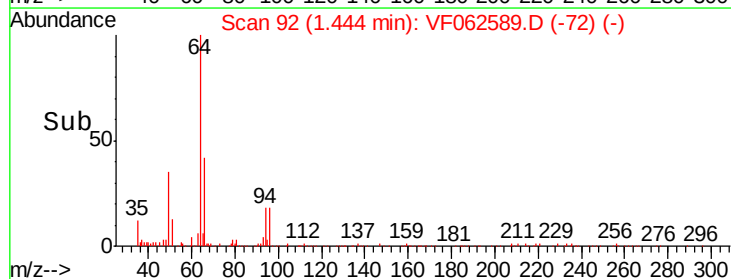
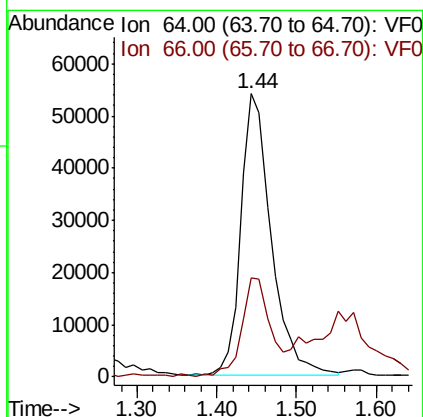
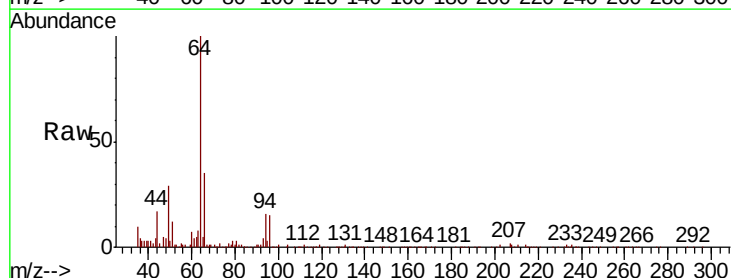
Acq: 14 May 2019 18:49

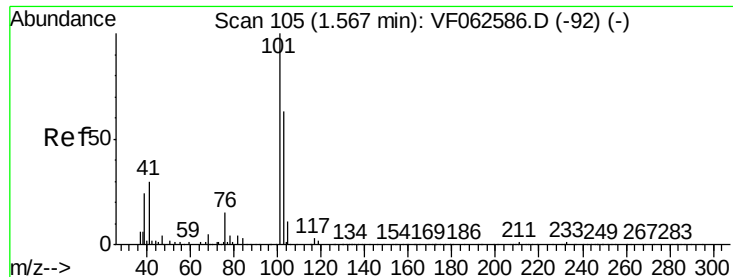
Tgt Ion: 64 Resp: 143554

Ion Ratio Lower Upper

64 100

66 35.1 28.9 43.3



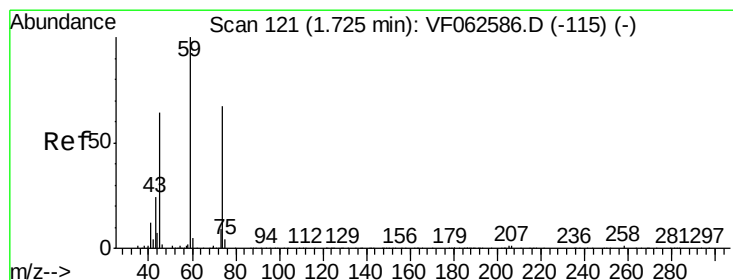
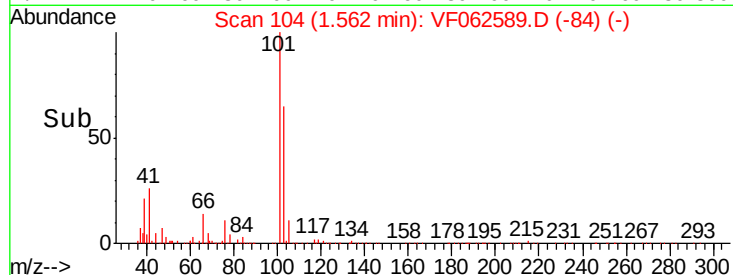
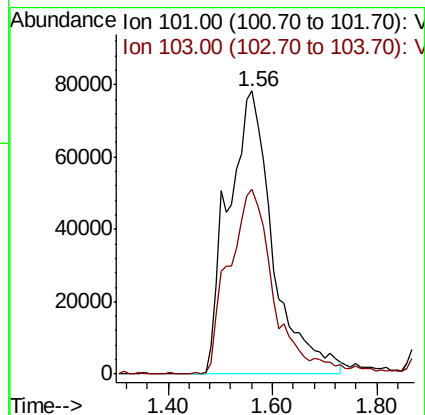
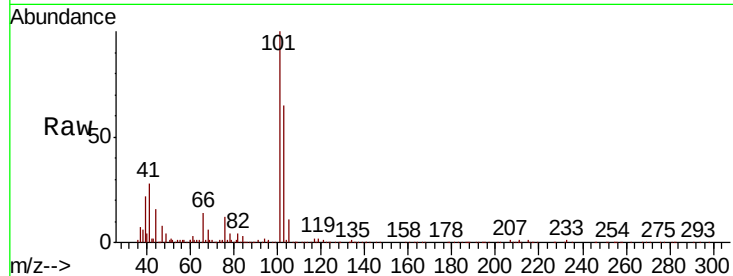


#7

Trichlorofluoromethane
Concen: 43.156 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

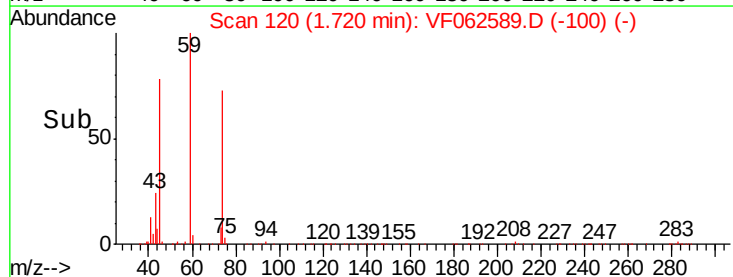
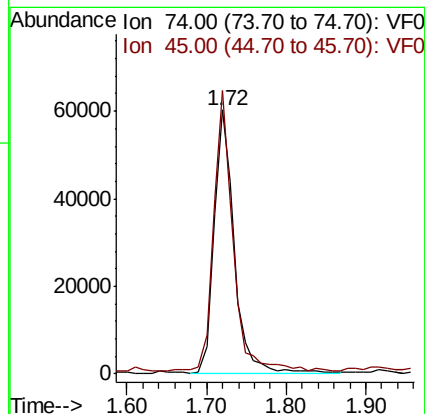
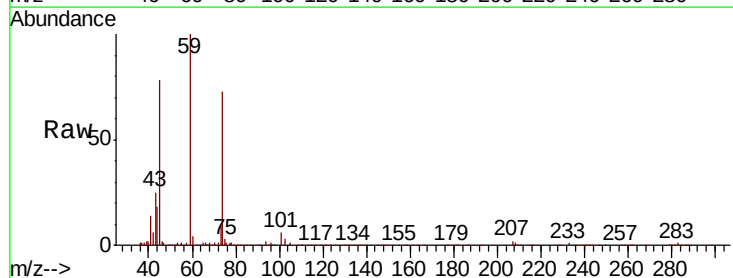
Tot Ion:101 Resp: 457175
Ion Ratio Lower Upper
101 100
103 65.4 50.8 76.2

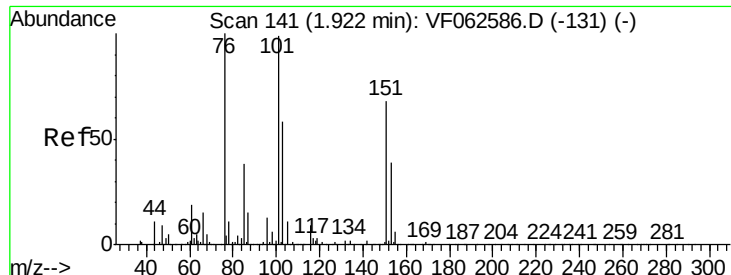


#8

Diethyl Ether
Concen: 45.581 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 74 Resp: 108240
Ion Ratio Lower Upper
74 100
45 107.4 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.368 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

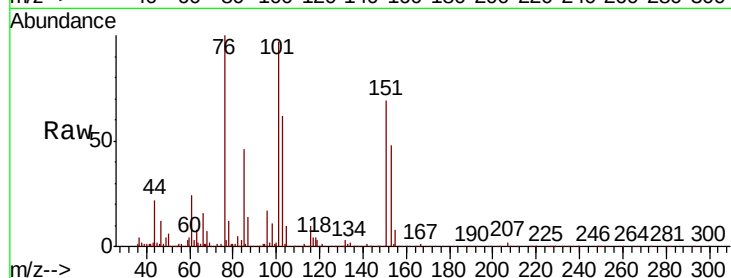
Tot Ion:101 Resp: 313372

Ion Ratio Lower Upper

101 100

85 47.6 30.2 45.4#

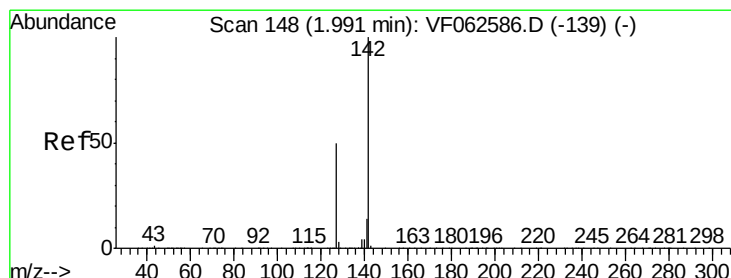
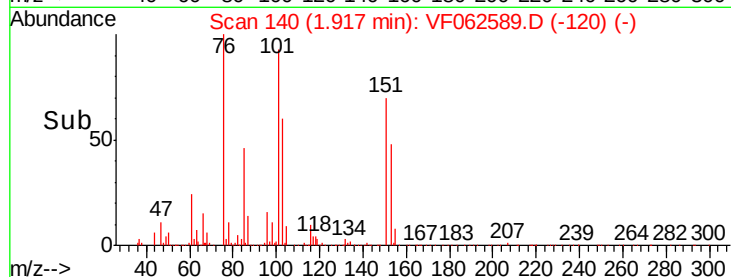
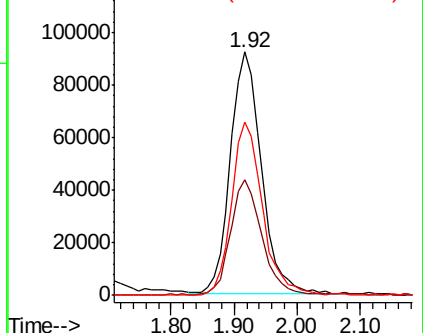
151 71.3 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 42.124 ug/l

RT: 1.99 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

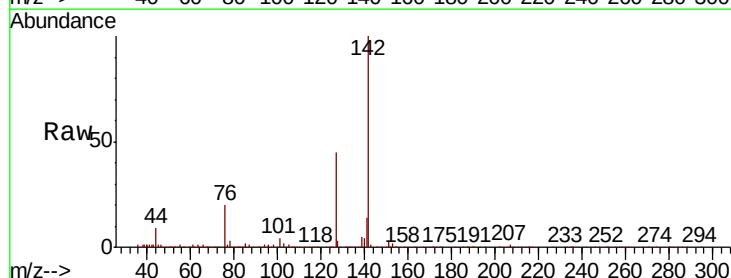
Tgt Ion:142 Resp: 542108

Ion Ratio Lower Upper

142 100

127 45.4 40.2 60.4

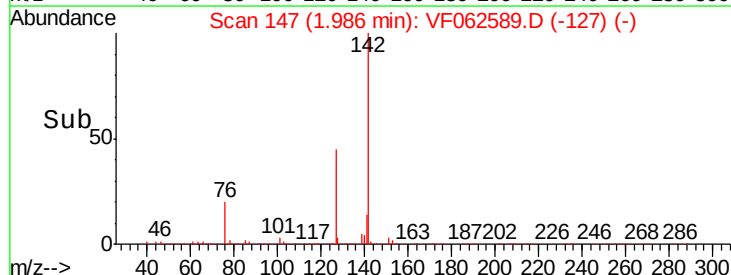
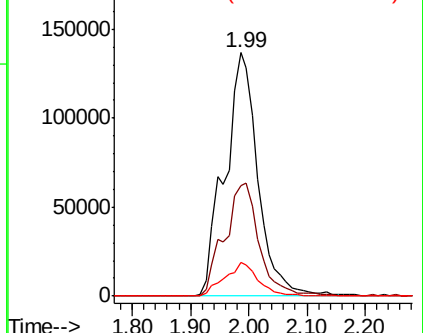
141 14.0 11.6 17.4

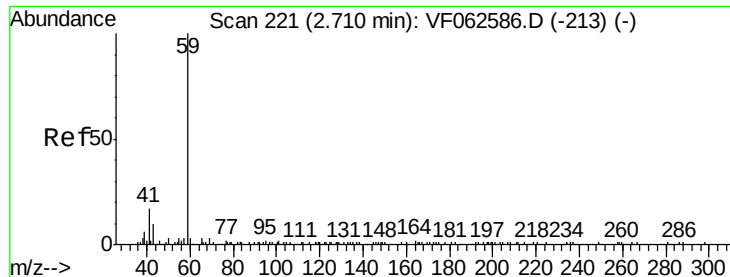


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



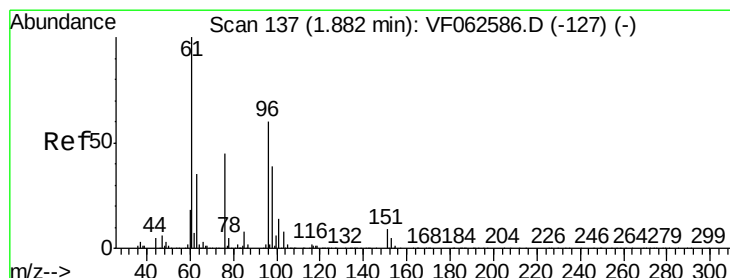
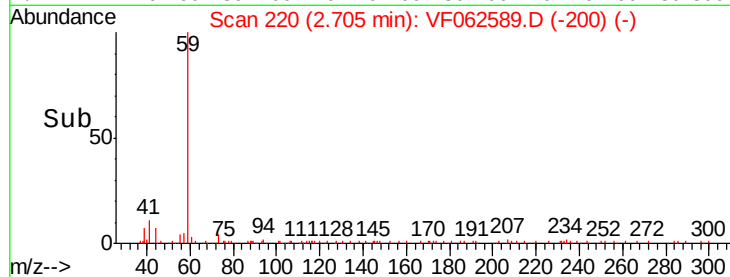
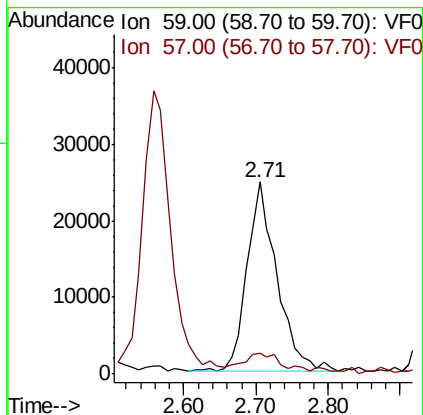
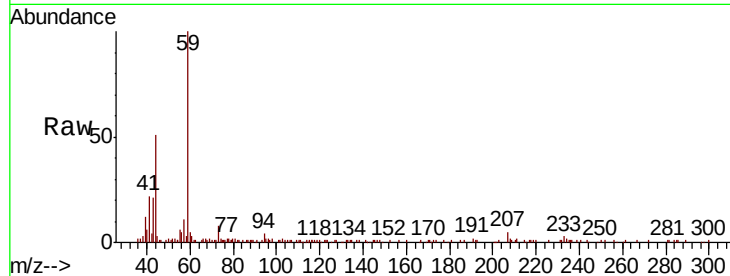


#11

Tert butyl alcohol
Concen: 234.294 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

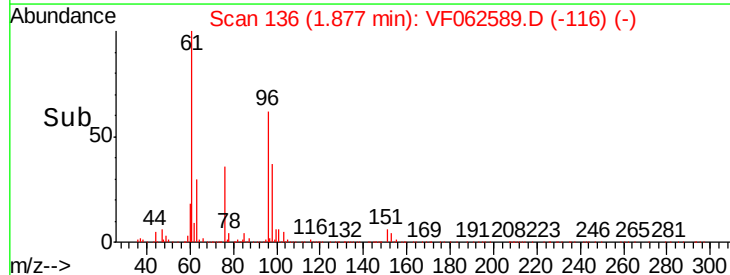
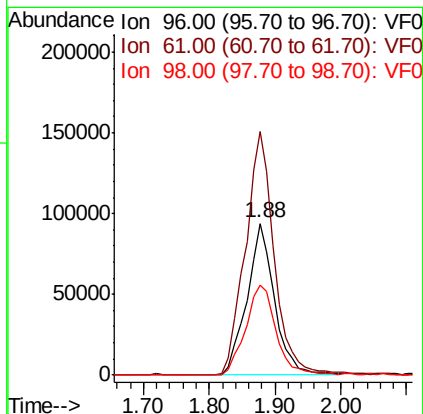
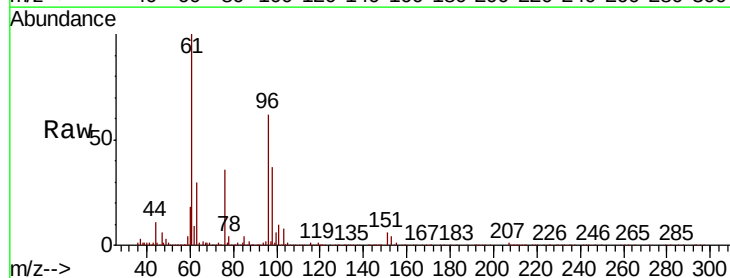
Tot Ion: 59 Resp: 72591
Ion Ratio Lower Upper
59 100
57 11.0 8.0 12.0

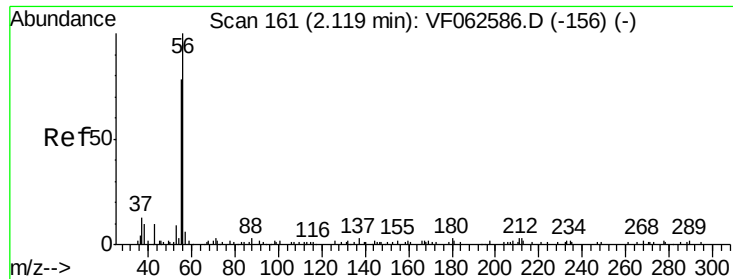


#12

1,1-Dichloroethene
Concen: 44.449 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 96 Resp: 275133
Ion Ratio Lower Upper
96 100
61 160.5 132.0 198.0
98 59.7 51.3 76.9





#13

Acrolein

Concen: 169.022 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

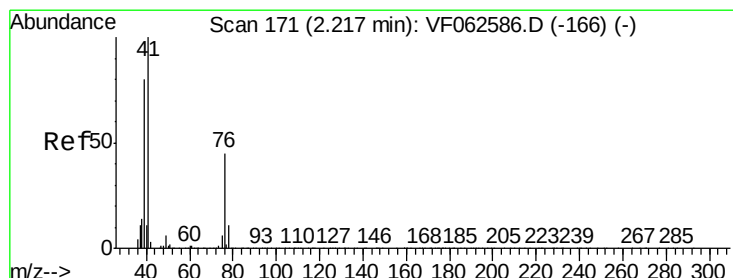
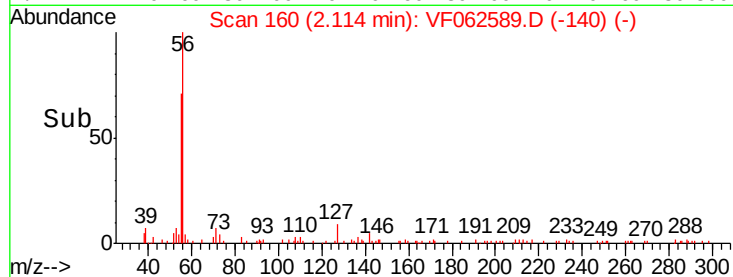
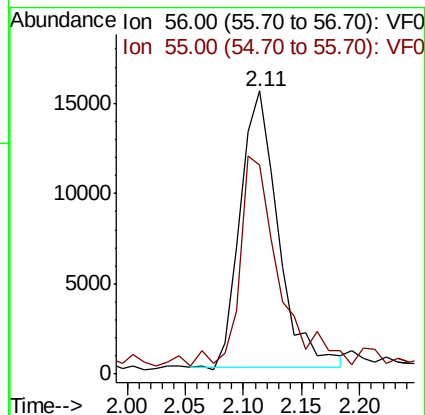
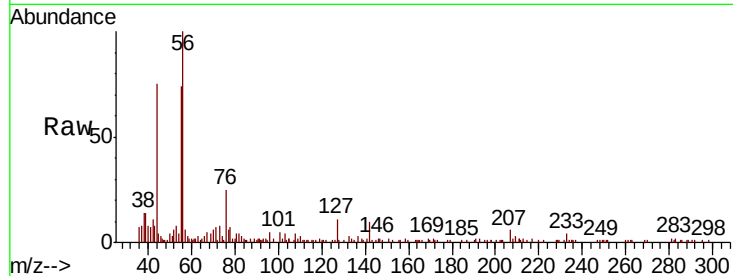
ICVVF051419

Tot Ion: 56 Resp: 34706

Ion Ratio Lower Upper

56 100

55 74.0 64.6 96.8



#14

Allyl chloride

Concen: 53.622 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

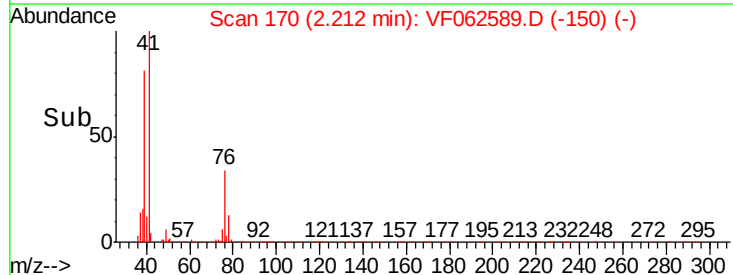
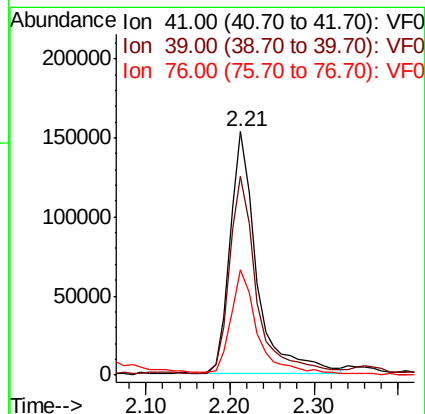
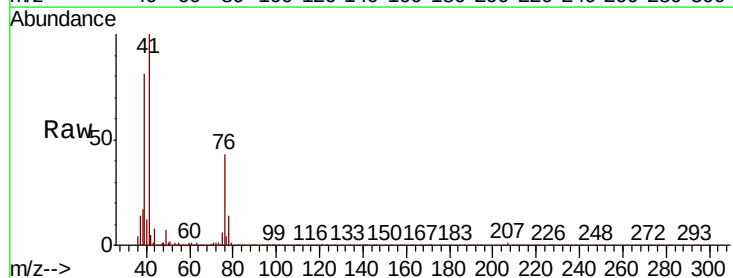
Tgt Ion: 41 Resp: 339629

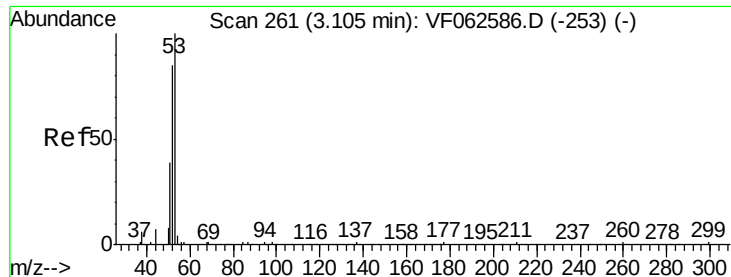
Ion Ratio Lower Upper

41 100

39 81.4 64.6 96.8

76 43.3 36.1 54.1





#15

Acrylonitrile

Concen: 219.831 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

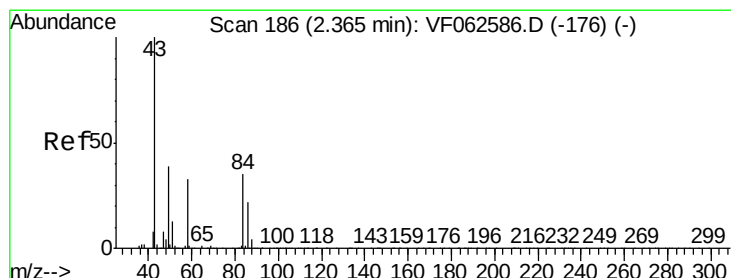
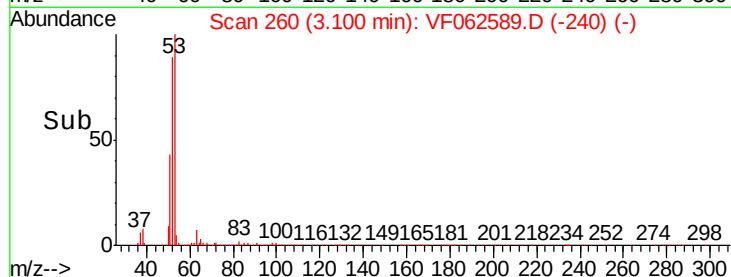
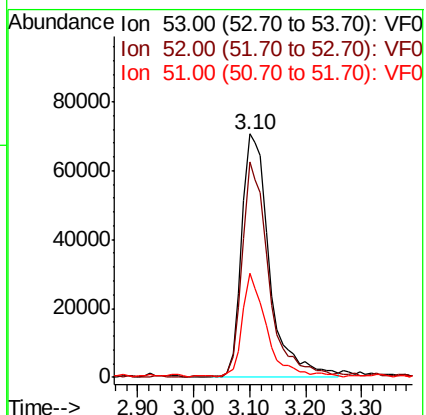
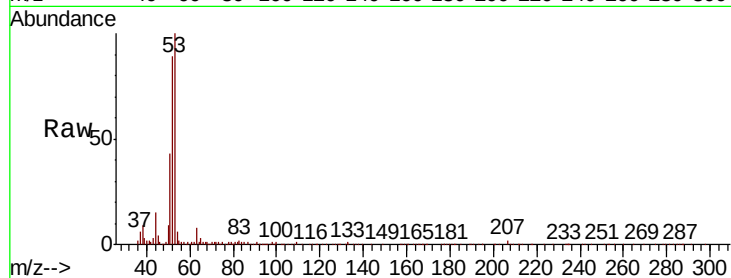
Tot Ion: 53 Resp: 243642

Ion Ratio Lower Upper

53 100

52 88.6 68.3 102.5

51 43.0 31.5 47.3



#16

Acetone

Concen: 254.561 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062589.D

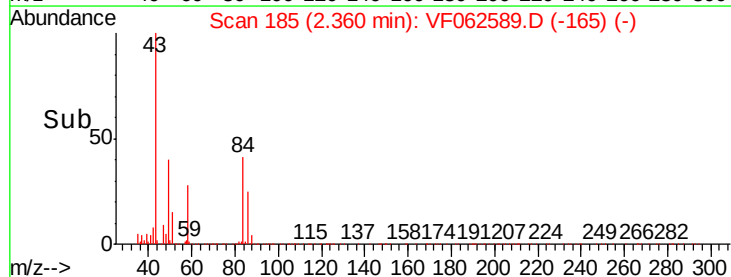
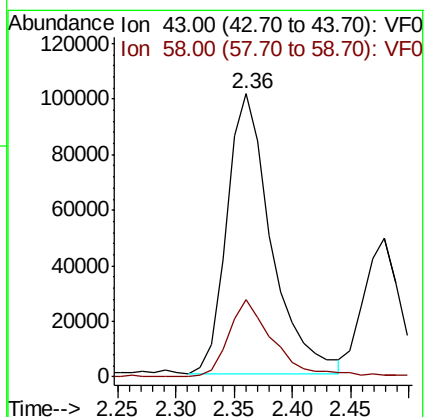
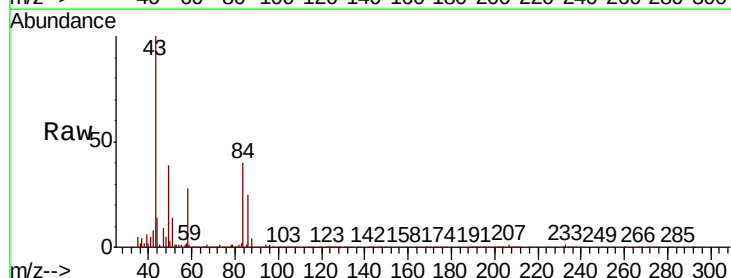
Acq: 14 May 2019 18:49

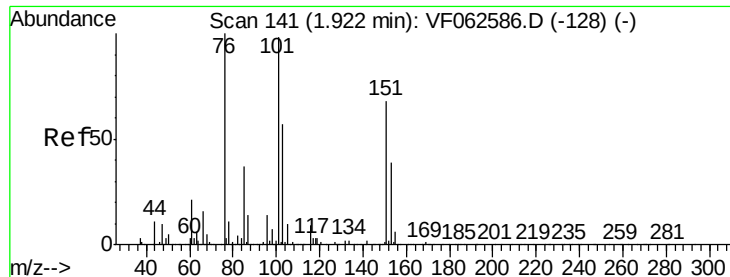
Tgt Ion: 43 Resp: 265815

Ion Ratio Lower Upper

43 100

58 27.5 26.7 40.1





#17

Carbon Disulfide

Concen: 47.123 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

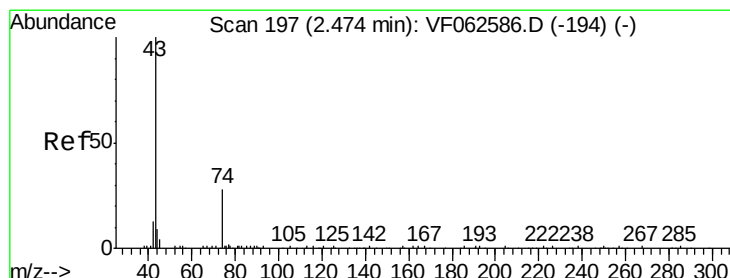
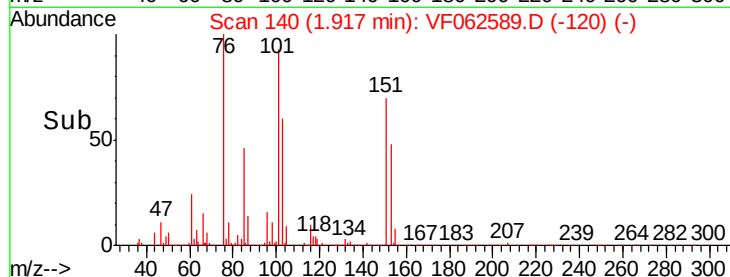
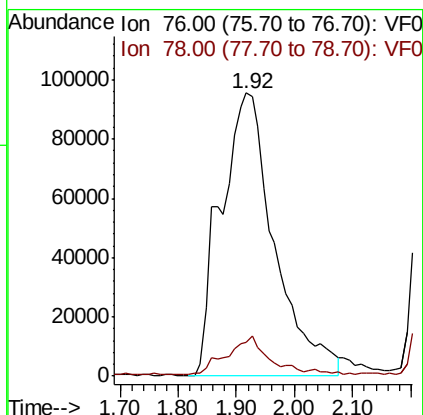
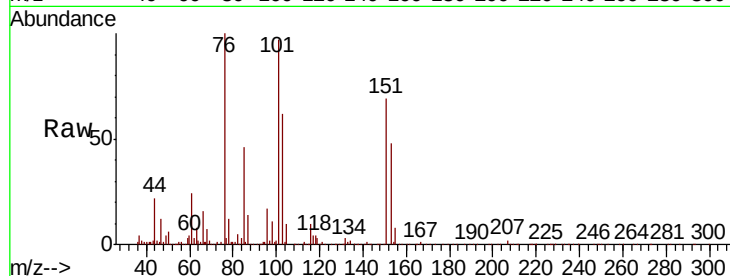
ICVVF051419

Tot Ion: 76 Resp: 610353

Ion Ratio Lower Upper

76 100

78 12.0 9.0 13.4



#18

Methyl Acetate

Concen: 47.411 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062589.D

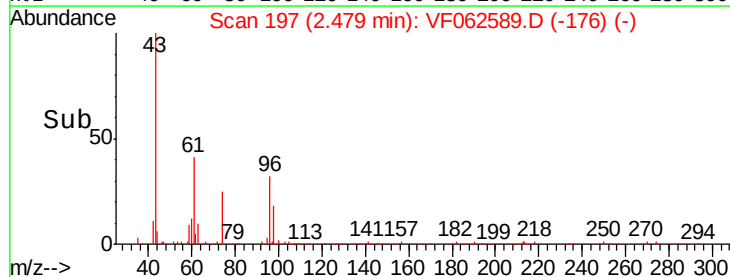
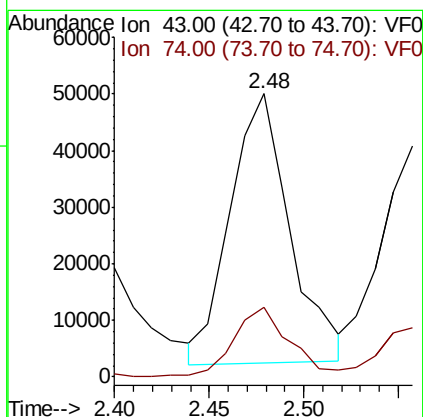
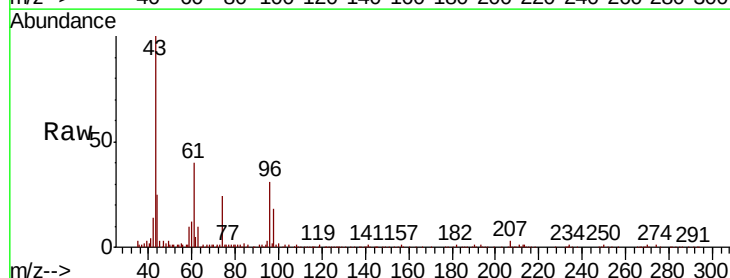
Acq: 14 May 2019 18:49

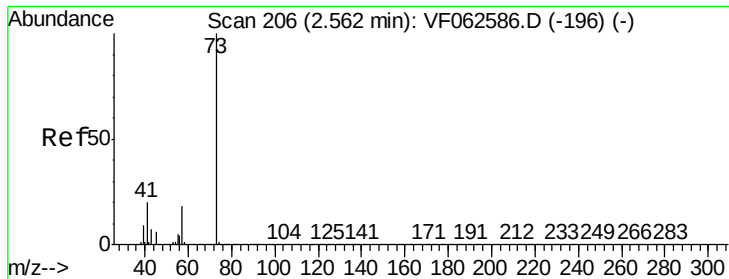
Tgt Ion: 43 Resp: 103999

Ion Ratio Lower Upper

43 100

74 24.4 21.4 32.0

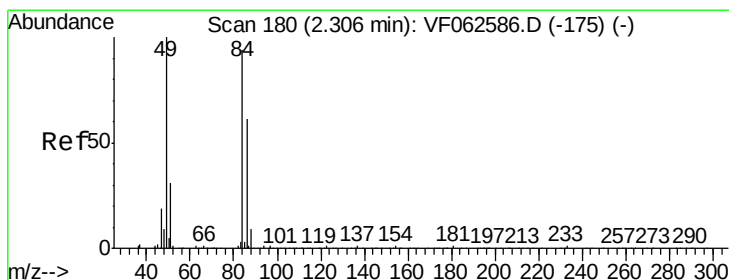
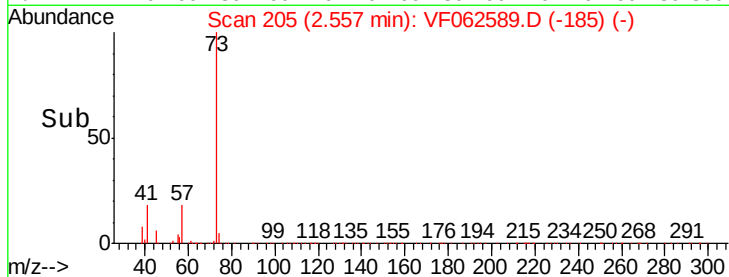
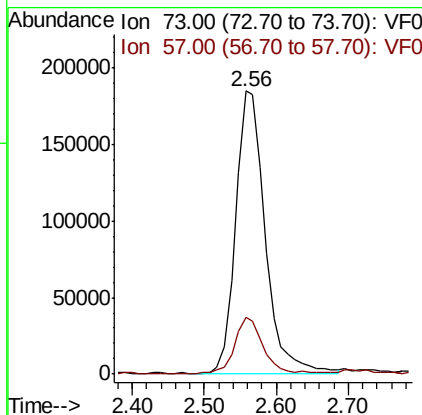
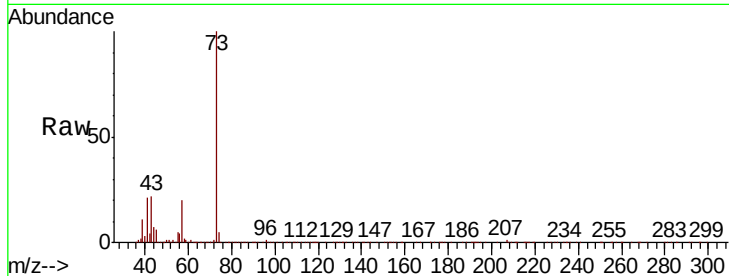




#19
Methyl tert-butyl Ether
Concen: 47.757 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

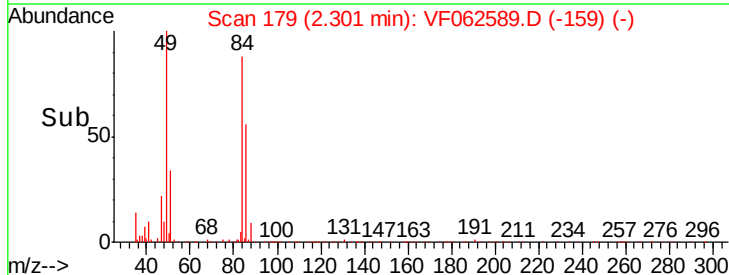
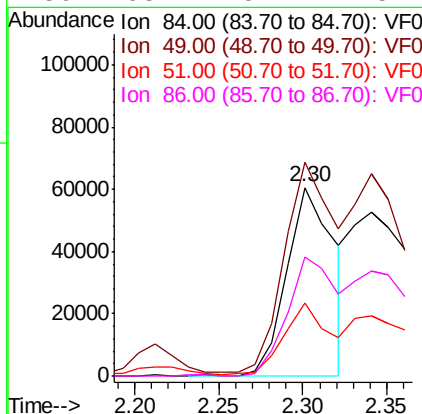
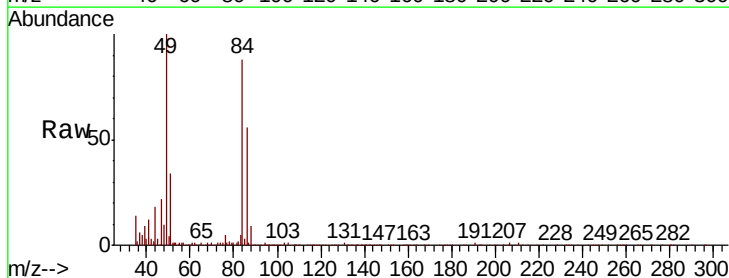
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

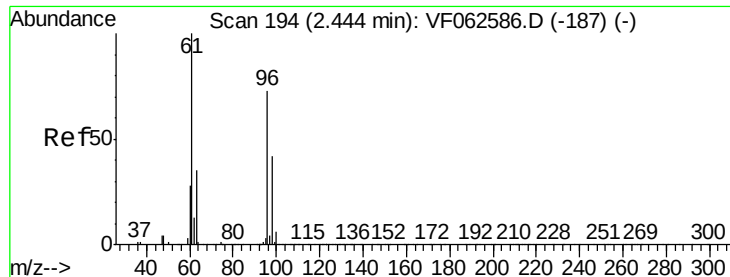
Tot Ion: 73 Resp: 526337
Ion Ratio Lower Upper
73 100
57 20.0 14.6 22.0



#20
Methylene Chloride
Concen: 15.504 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 84 Resp: 117785
Ion Ratio Lower Upper
84 100
49 113.3 86.9 130.3
51 38.6 27.0 40.6
86 63.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 42.976 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

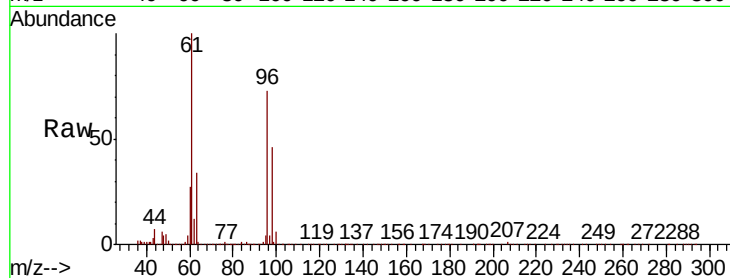
Tot Ion: 96 Resp: 268090

Ion Ratio Lower Upper

96 100

61 136.5 109.2 163.8

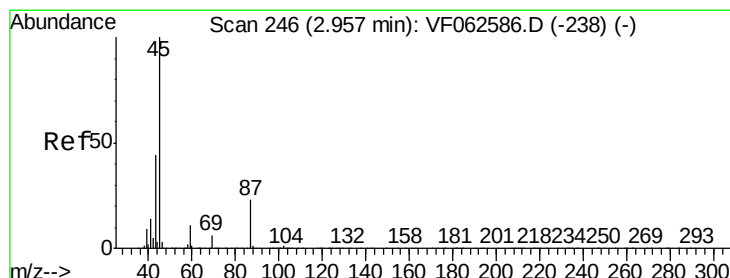
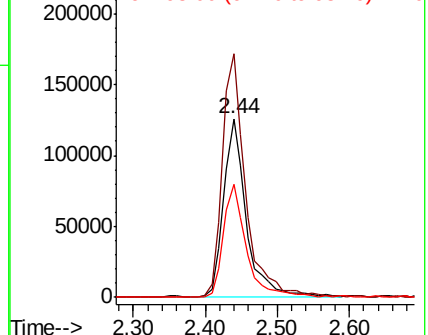
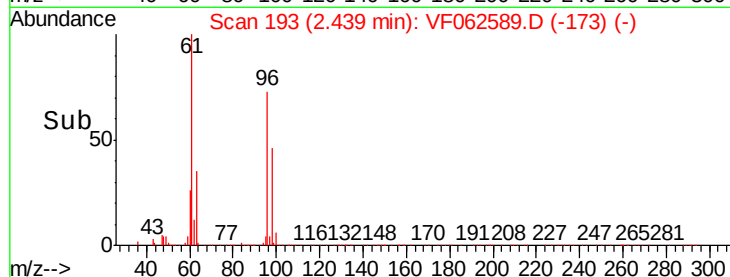
98 63.1 46.3 69.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 48.625 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Tgt Ion: 45 Resp: 716083

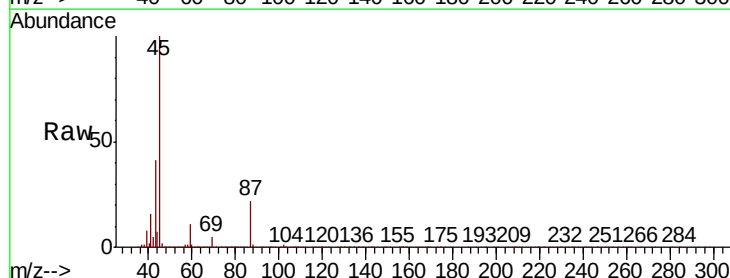
Ion Ratio Lower Upper

45 100

43 40.5 35.4 53.0

87 22.5 18.4 27.6

59 10.9 8.9 13.3

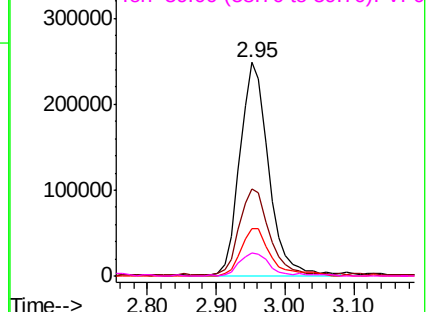
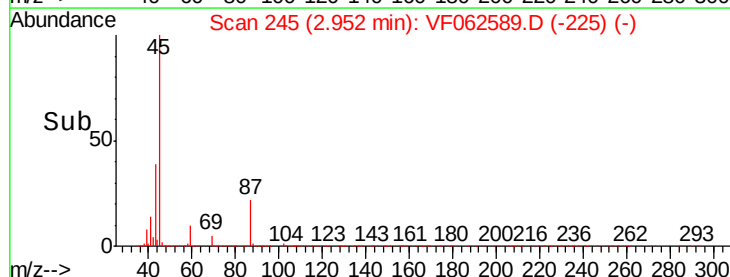


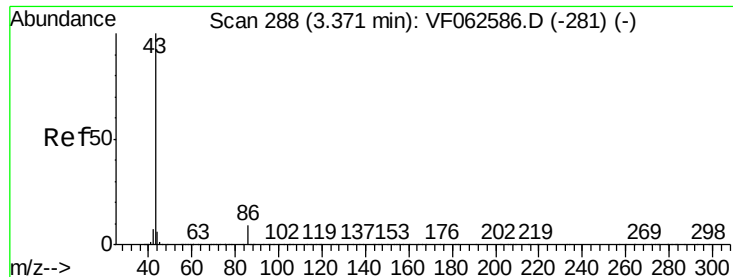
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 245.225 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

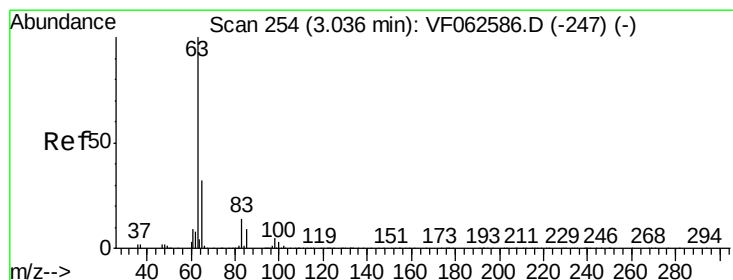
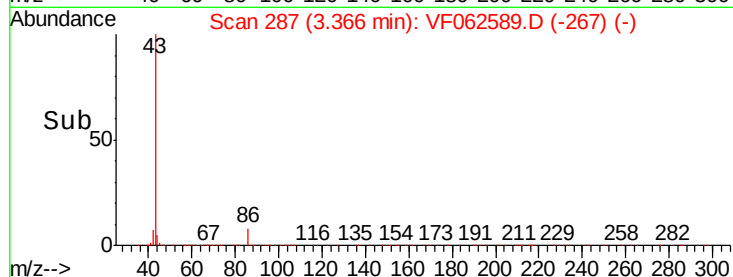
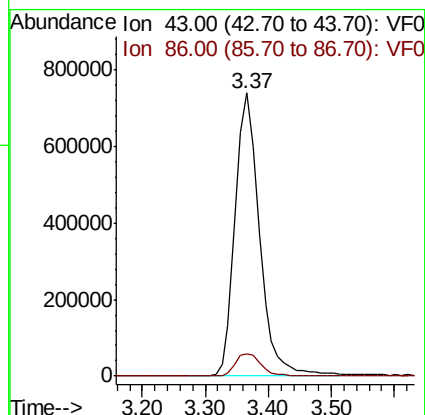
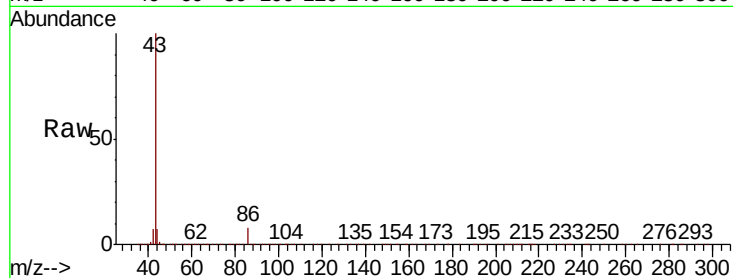
ICVVF051419

Tot Ion: 43 Resp: 1975277

Ion Ratio Lower Upper

43 100

86 8.0 7.1 10.7



#24

1,1-Dichloroethane

Concen: 45.054 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

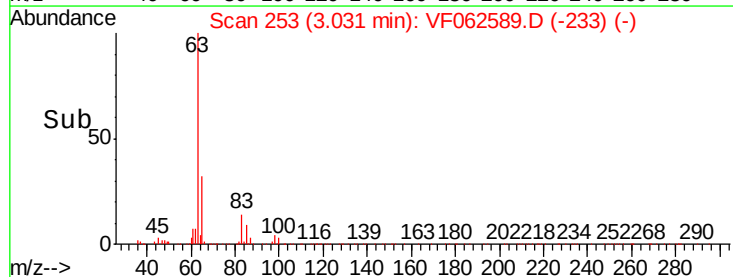
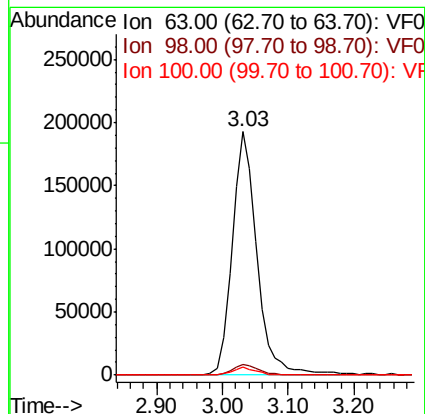
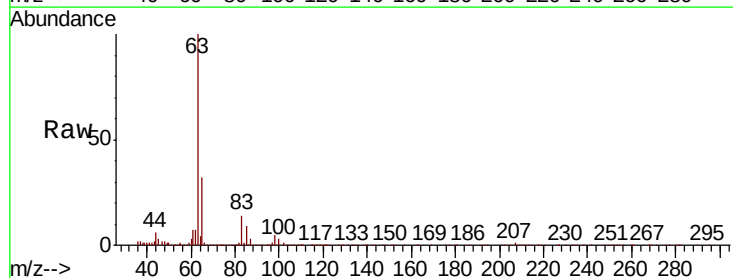
Tgt Ion: 63 Resp: 505085

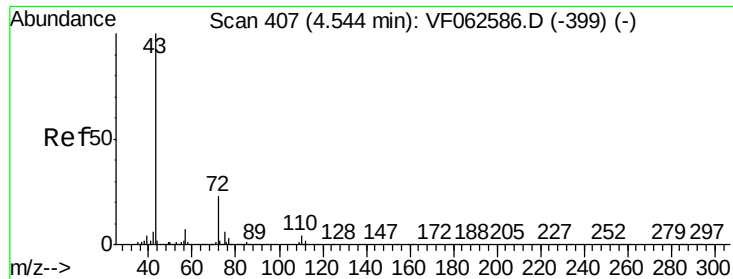
Ion Ratio Lower Upper

63 100

98 4.6 2.6 7.8

100 3.2 1.7 5.1

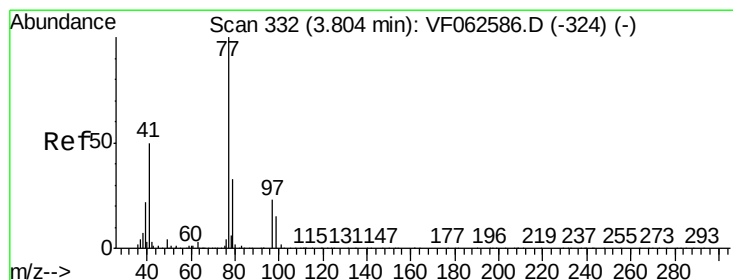
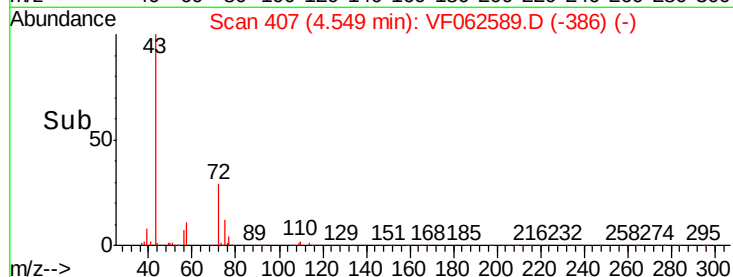
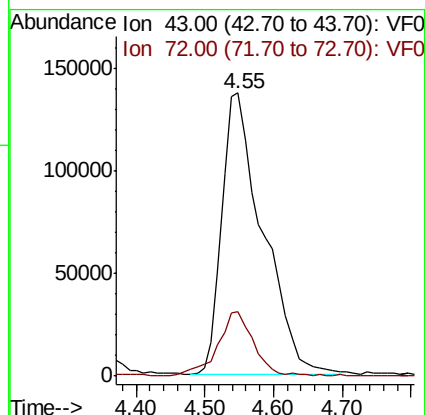
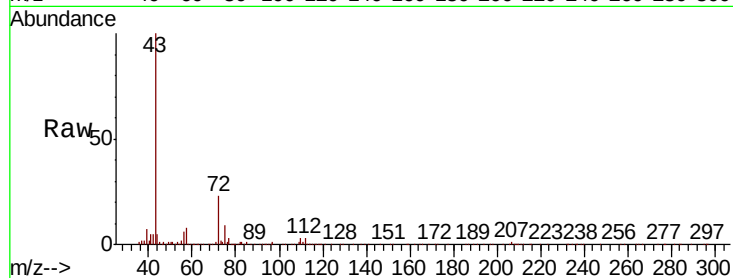




#25
2-Butanone
Concen: 241.176 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

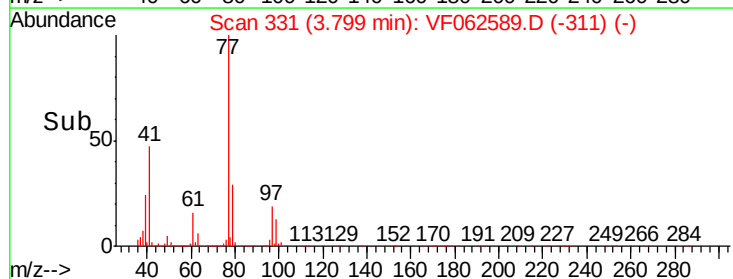
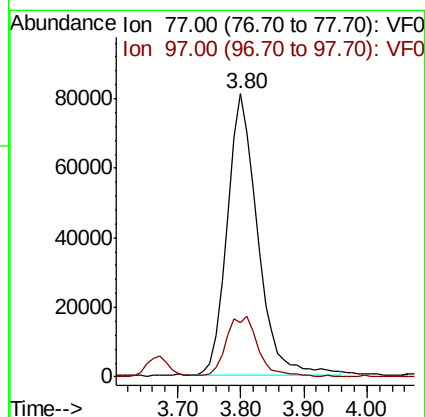
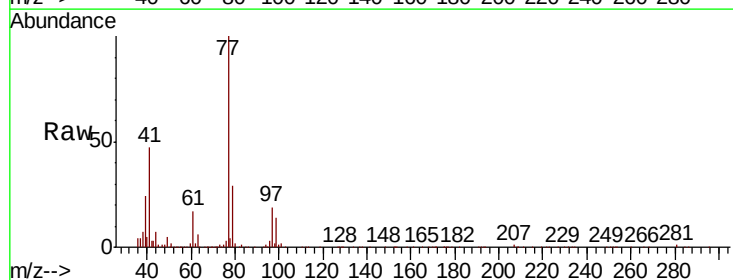
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

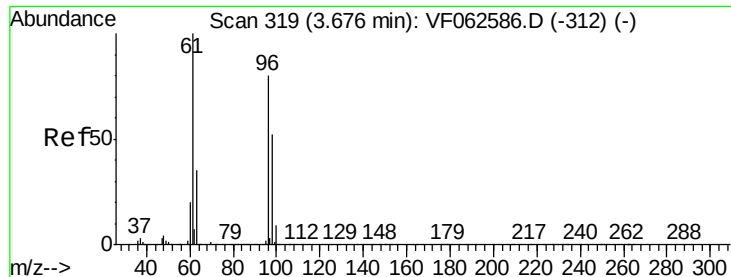
Tot Ion: 43 Resp: 569347
Ion Ratio Lower Upper
43 100
72 22.6 18.5 27.7



#26
2,2-Dichloropropane
Concen: 44.793 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 77 Resp: 271009
Ion Ratio Lower Upper
77 100
97 19.4 12.0 36.0



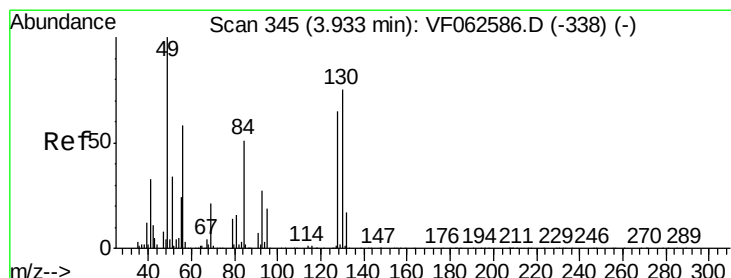
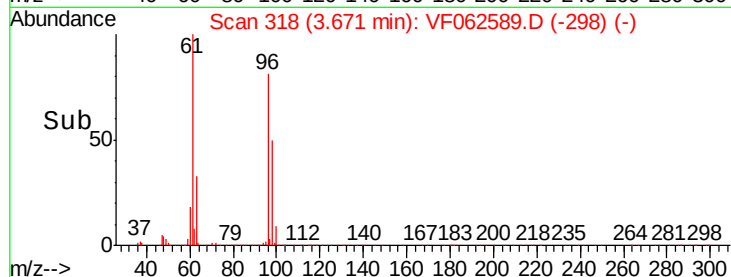
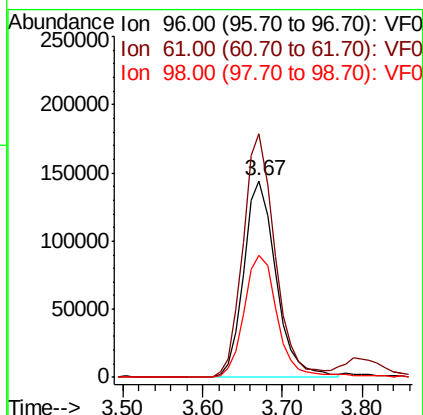
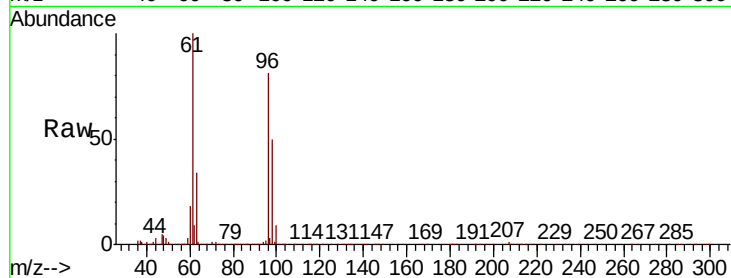


#27

cis-1,2-Dichloroethene
Concen: 45.439 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

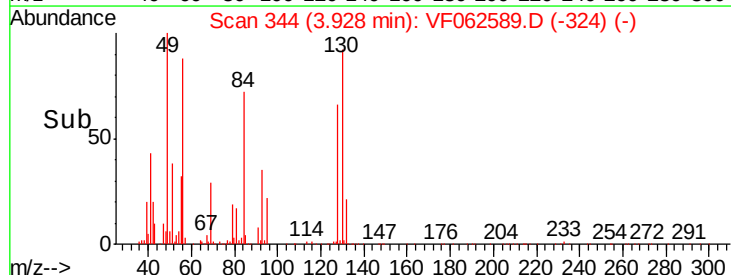
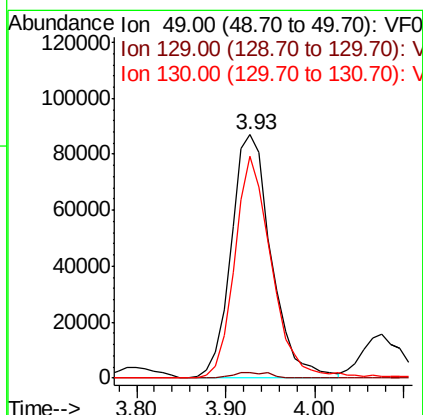
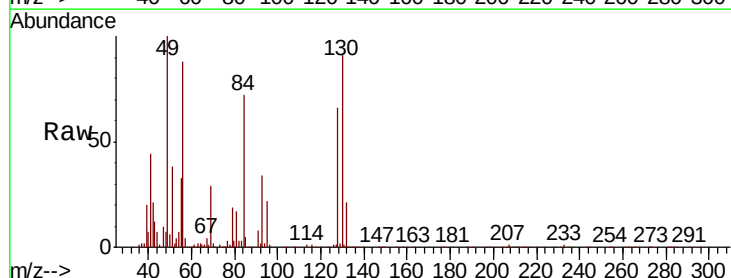
Tot Ion:	96	Resp:	400477
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	251.4
98	62.2	0.0	129.8

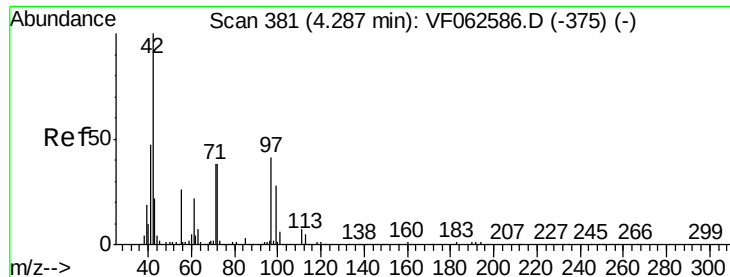


#28

Bromochloromethane
Concen: 42.868 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion:	49	Resp:	270138
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	91.3	59.7	89.5#

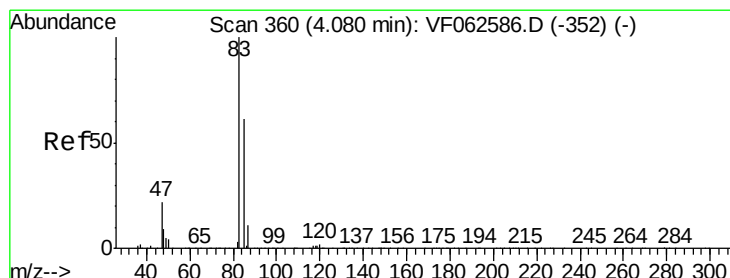
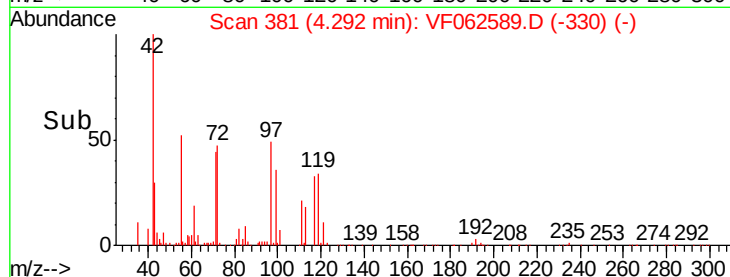
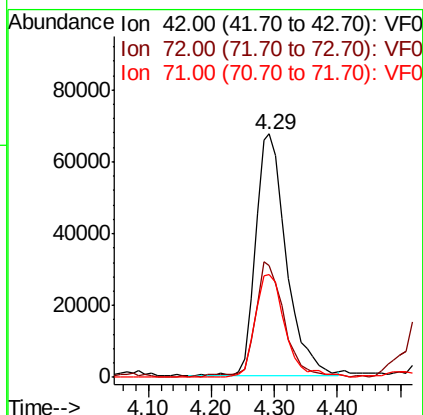
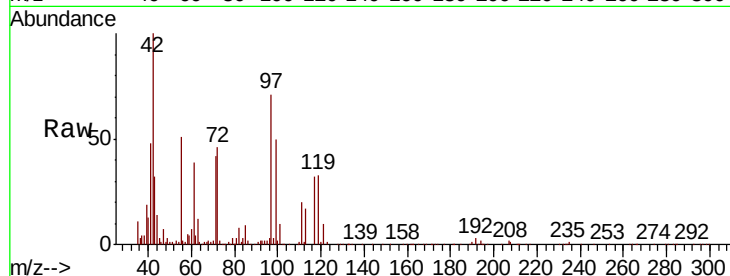




#29
Tetrahydrofuran
Concen: 228.741 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

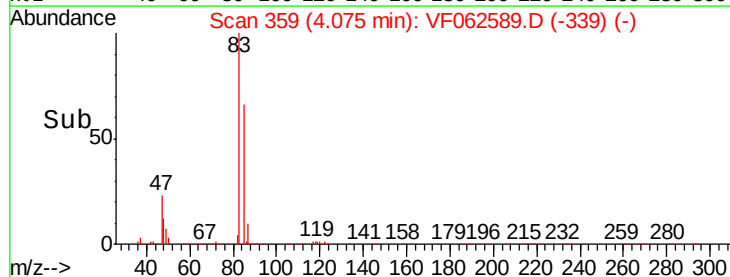
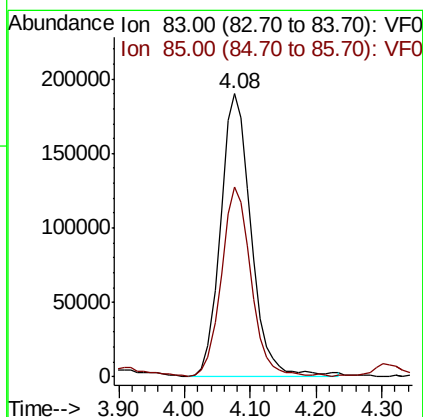
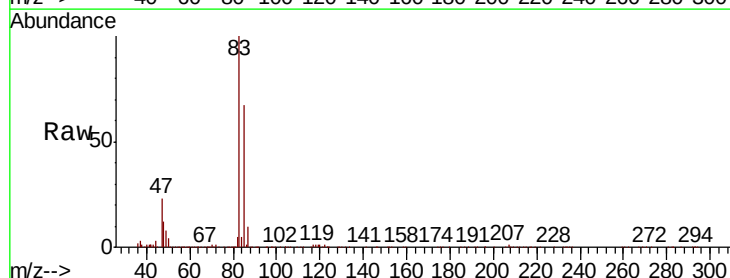
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

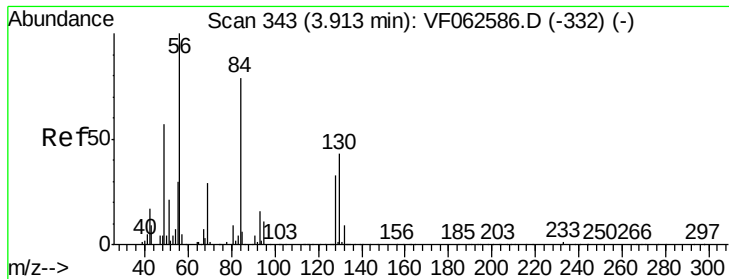
Tot Ion: 42 Resp: 228510
Ion Ratio Lower Upper
42 100
72 46.0 34.0 51.0
71 41.9 32.8 49.2



#30
Chloroform
Concen: 45.192 ug/l
RT: 4.08 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 83 Resp: 607918
Ion Ratio Lower Upper
83 100
85 67.1 48.7 73.1

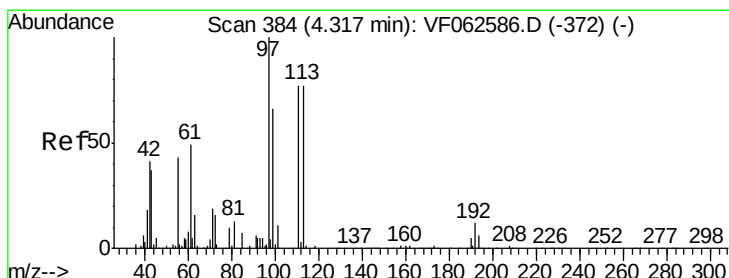
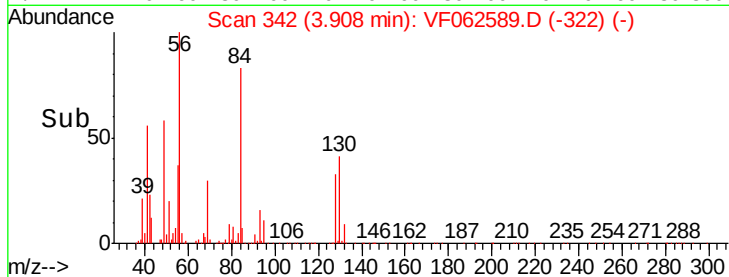
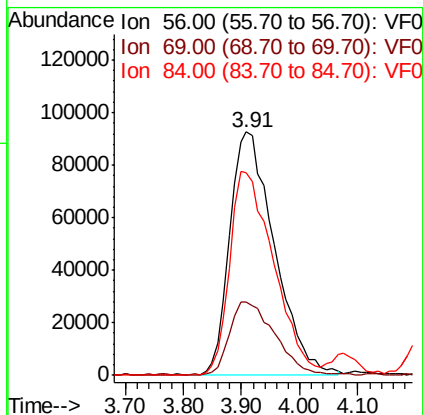
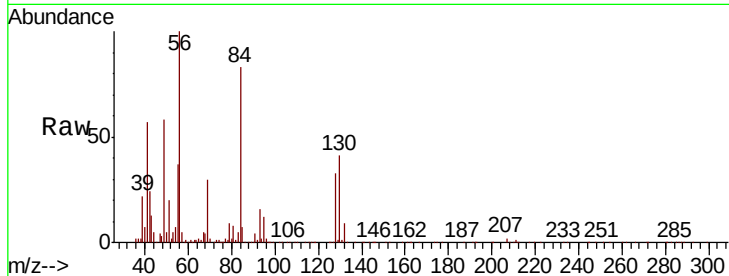




#31
Cyclohexane
Concen: 42.181 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

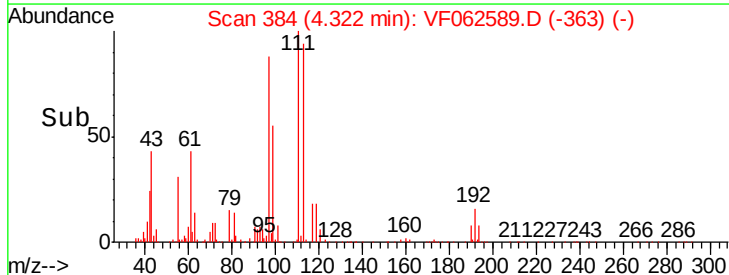
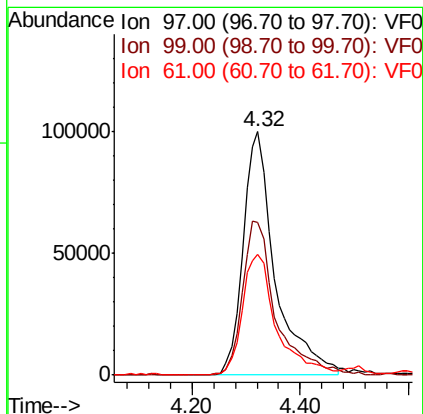
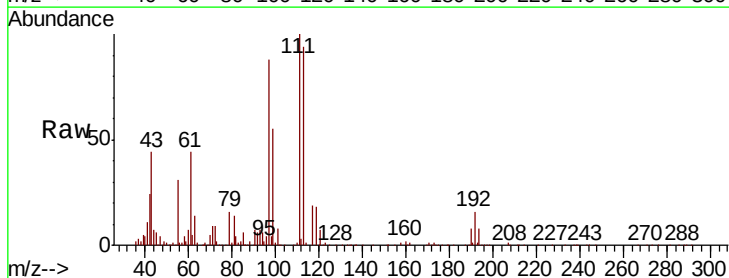
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

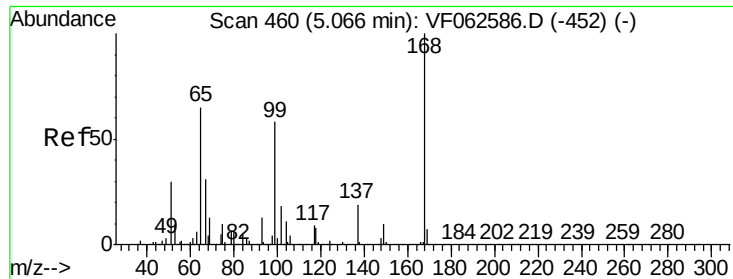
Tot Ion: 56 Resp: 492843
Ion Ratio Lower Upper
56 100
69 30.0 22.9 34.3
84 83.2 63.4 95.2



#32
1,1,1-Trichloroethane
Concen: 45.192 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 97 Resp: 409766
Ion Ratio Lower Upper
97 100
99 62.6 53.4 80.0
61 49.8 38.9 58.3

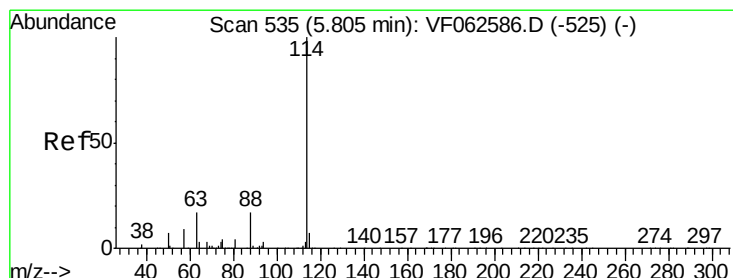
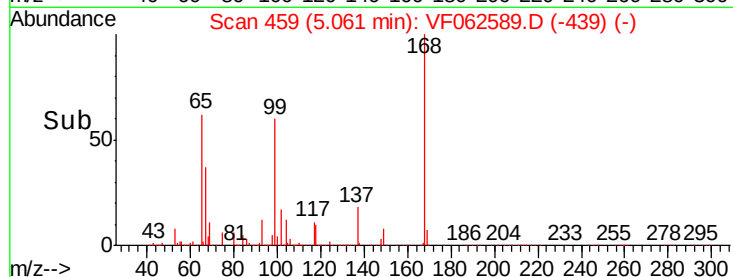
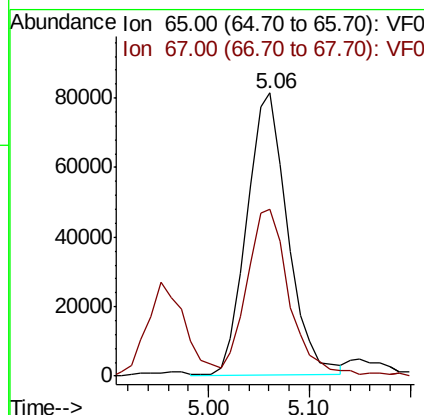
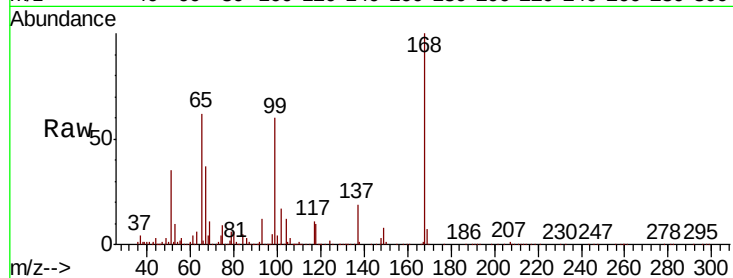




#33
 1,2-Dichloroethane-d4
 Concen: 44.553 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

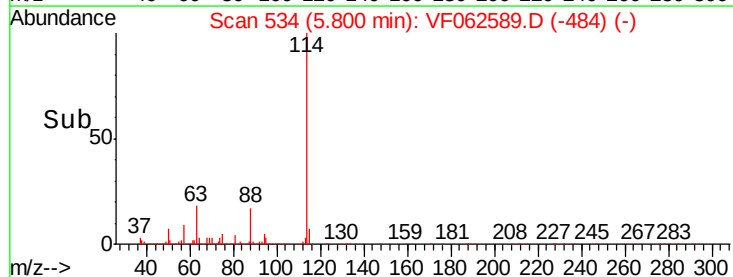
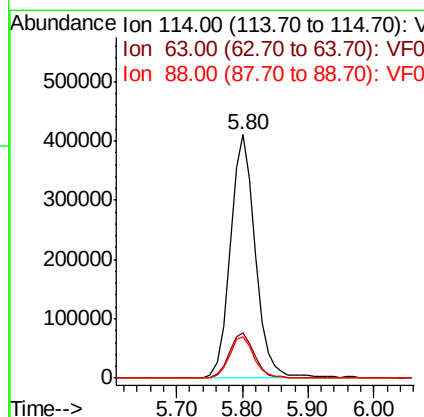
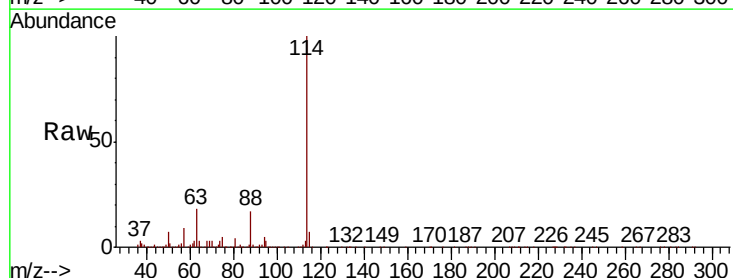
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV051419

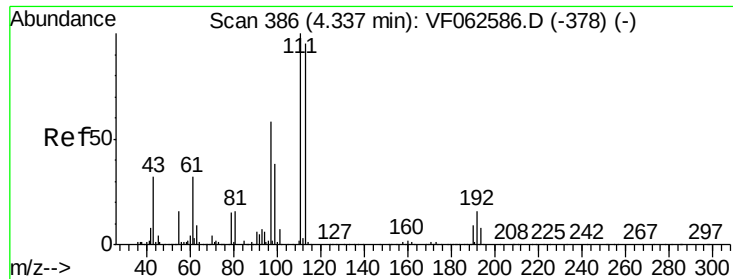
Tot Ion: 65 Resp: 229273
 Ion Ratio Lower Upper
 65 100
 67 58.9 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion: 114 Resp: 1092452
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.6
 88 17.2 0.0 33.6

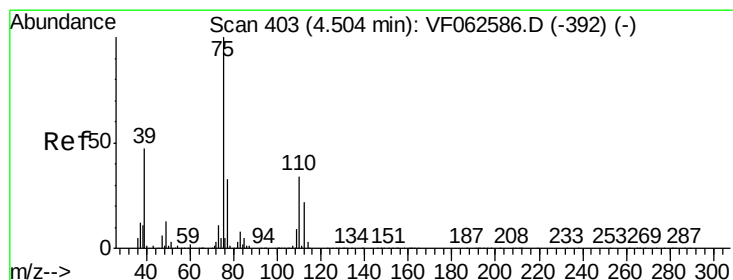
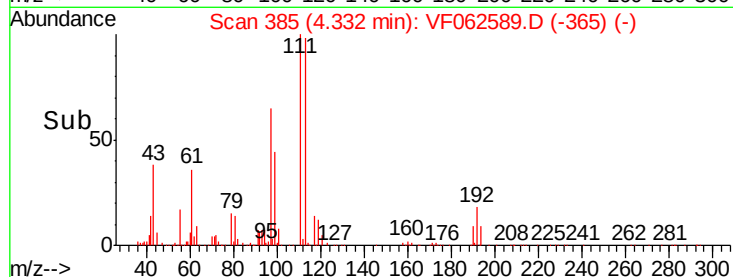
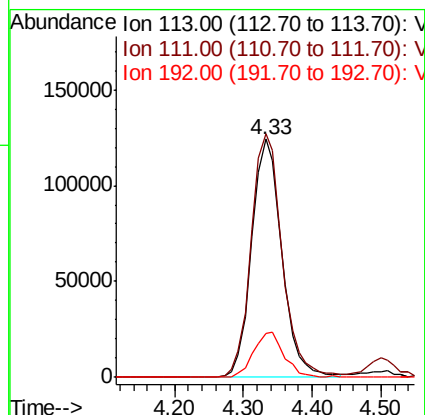
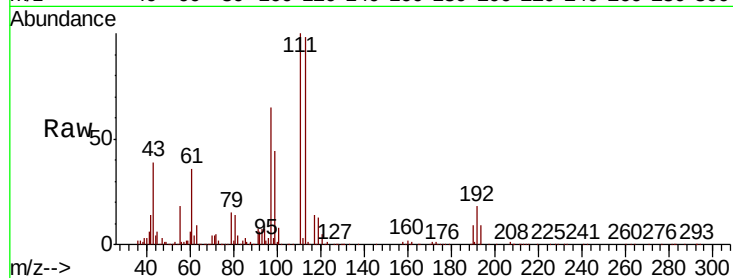




#35
 Dibromofluoromethane
 Concen: 46.928 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

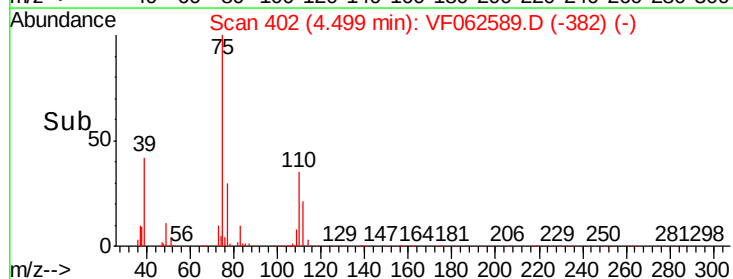
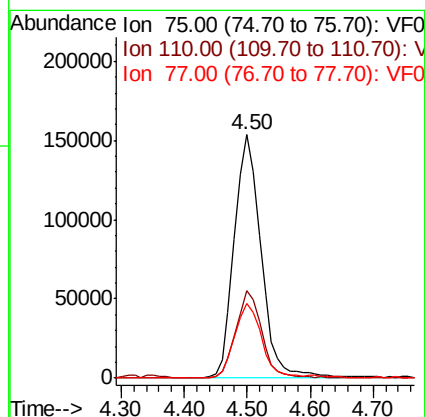
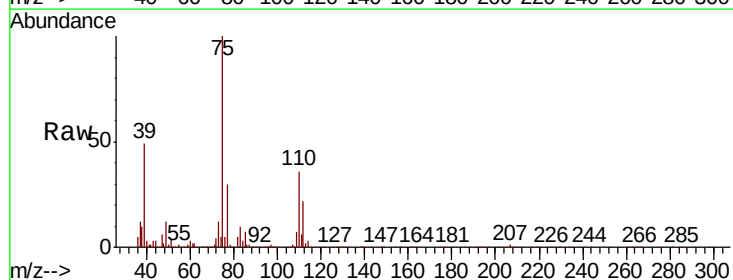
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051419

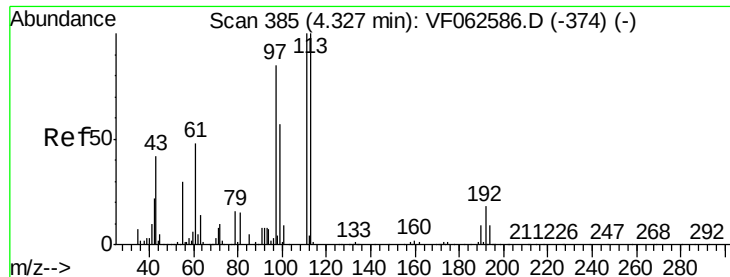
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.9	125.9
192	18.4	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 47.660 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.3	51.7
77	30.4	26.4	39.6

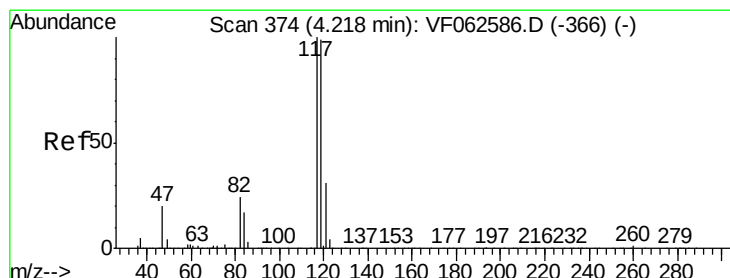
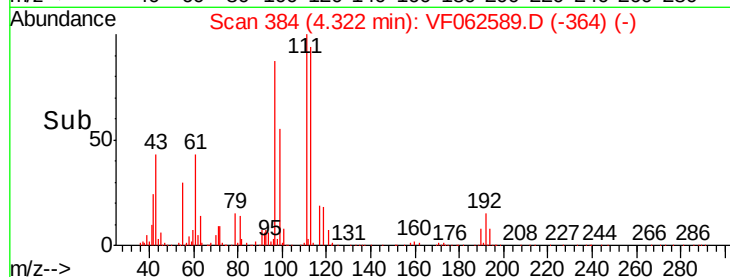
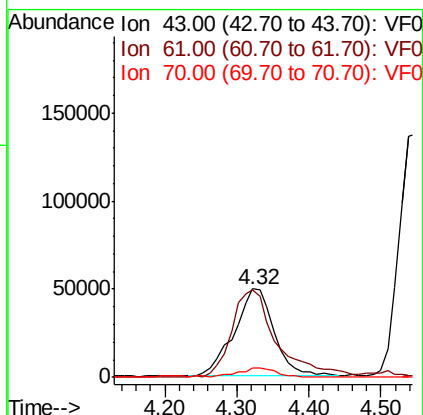
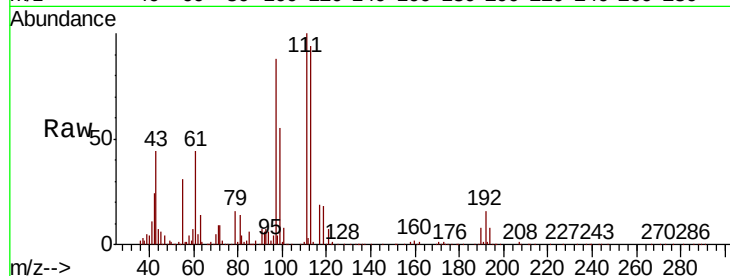




#37
Ethyl Acetate
Concen: 49.174 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

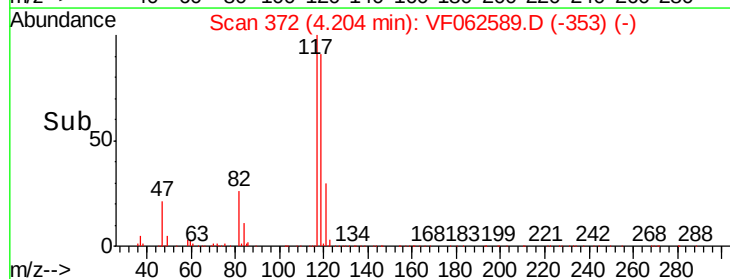
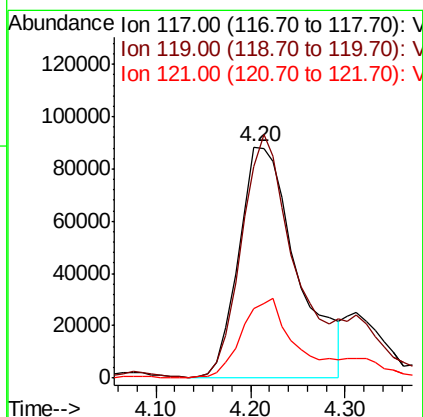
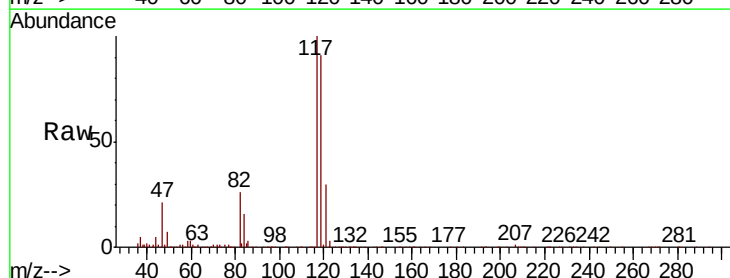
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

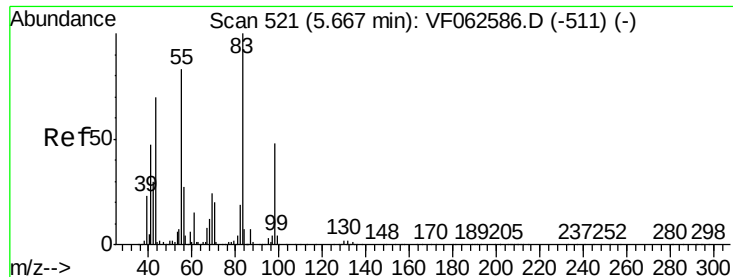
Tot Ion: 43 Resp: 191022
Ion Ratio Lower Upper
43 100
61 99.0 88.6 132.8
70 11.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 48.514 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.01 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 117 Resp: 376202
Ion Ratio Lower Upper
117 100
119 91.2 79.0 118.6
121 30.1 25.0 37.6

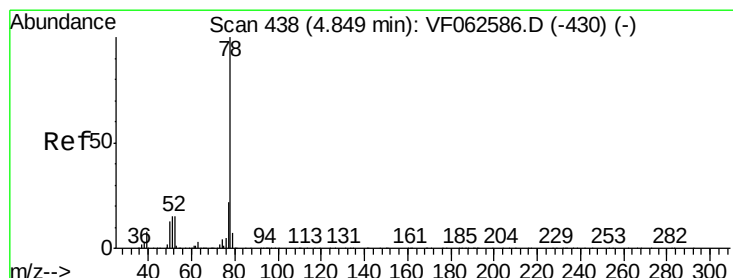
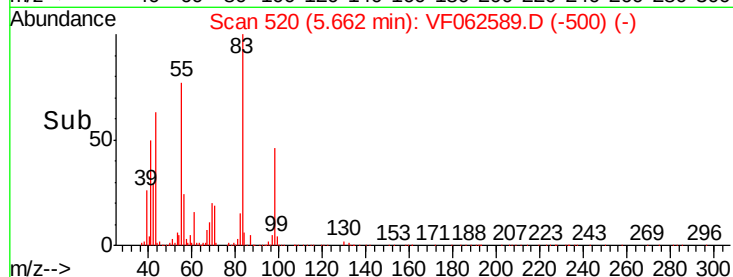
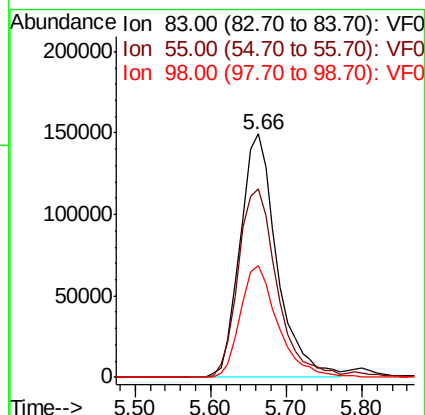
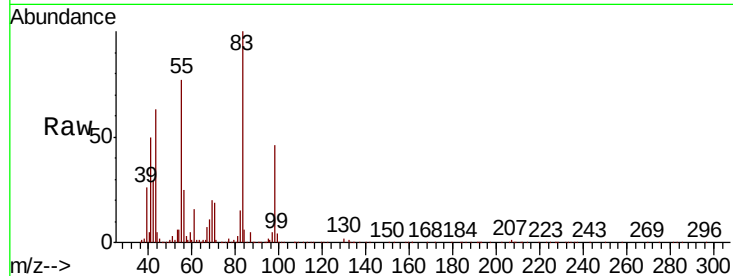




#39
Methylvlcyclohexane
Concen: 45.612 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

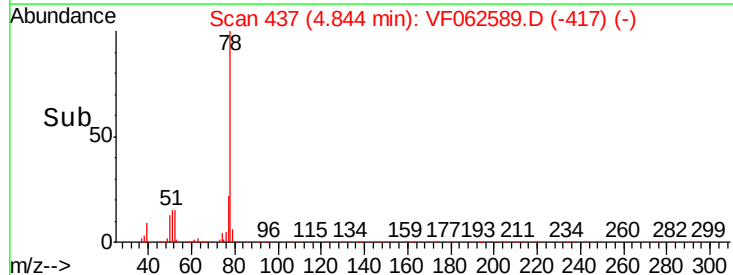
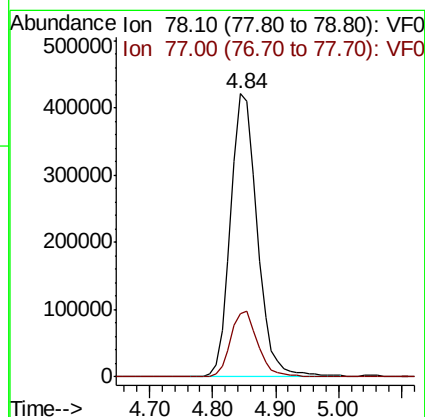
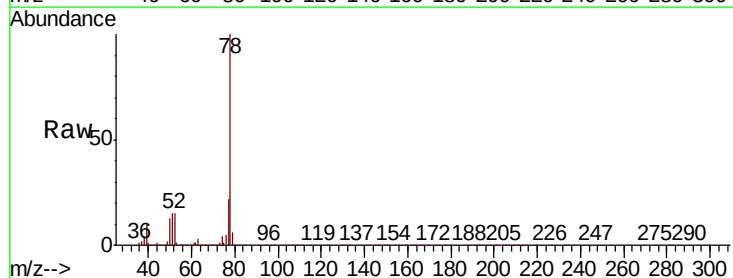
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

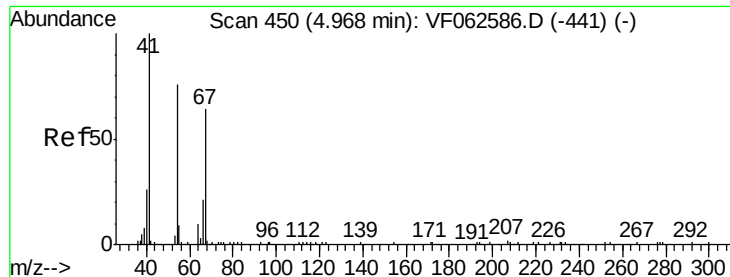
Tot Ion	83	Resp	504823
Ion	Ratio	Lower	Upper
83	100		
55	77.2	66.6	100.0
98	45.7	38.3	57.5



#40
Benzene
Concen: 45.925 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion	78	Resp	1235060
Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.7	26.5





#41

Methacrylonitrile

Concen: 50.135 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

Tot Ion: 41 Resp: 110286

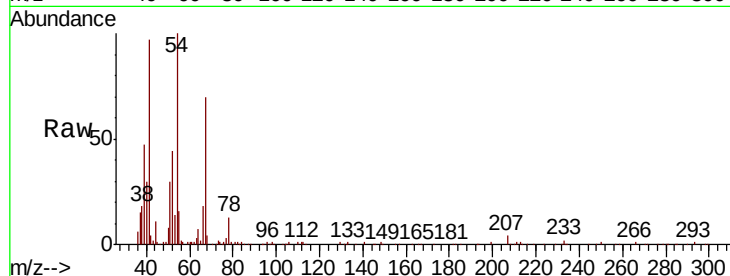
Ion Ratio Lower Upper

41 100

39 48.1 40.8 61.2

67 71.8 50.2 75.2

52 44.9 36.8 55.2

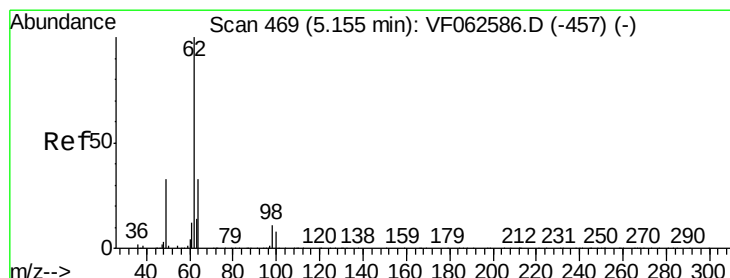
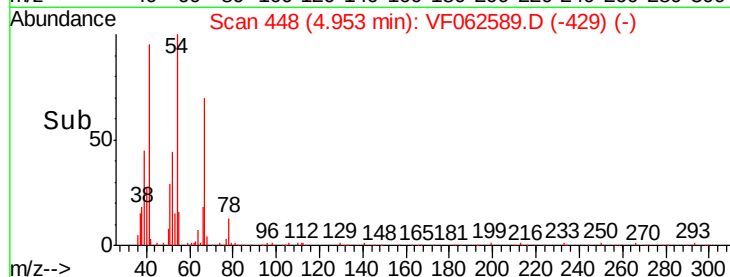
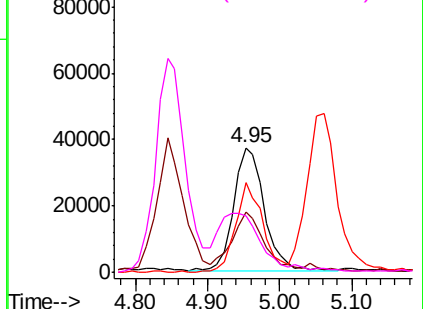


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 46.943 ug/l

RT: 5.15 min Scan# 468

Delta R.T. -0.00 min

Lab File: VF062589.D

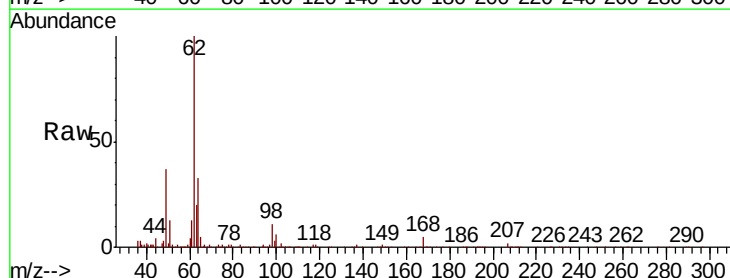
Acq: 14 May 2019 18:49

Tgt Ion: 62 Resp: 267894

Ion Ratio Lower Upper

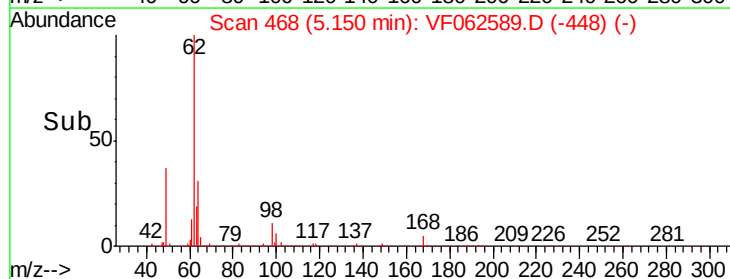
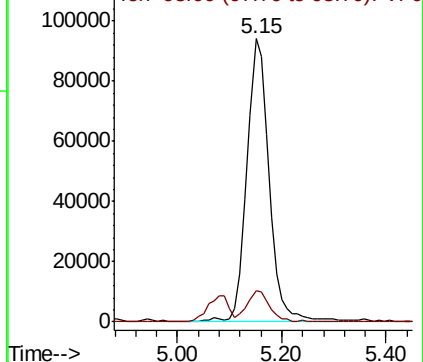
62 100

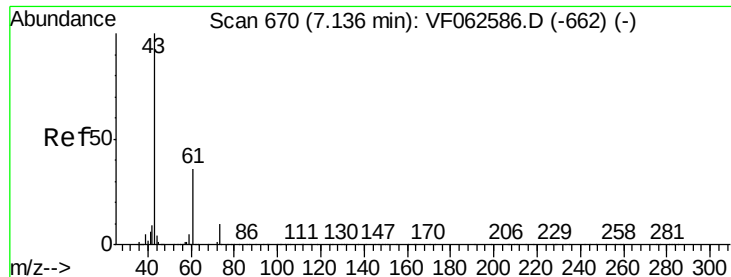
98 11.0 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 50.482 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

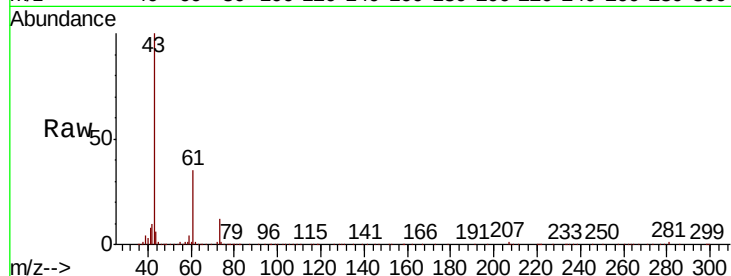
Tot Ion: 43 Resp: 232054

Ion Ratio Lower Upper

43 100

61 35.0 28.5 42.7

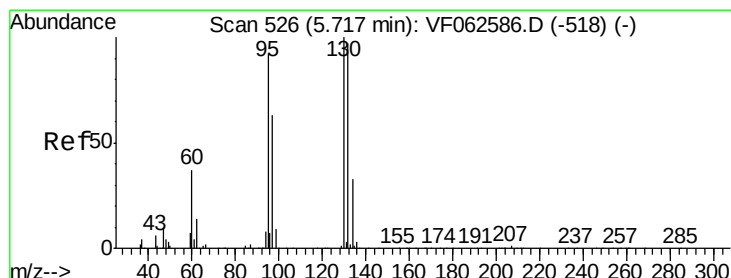
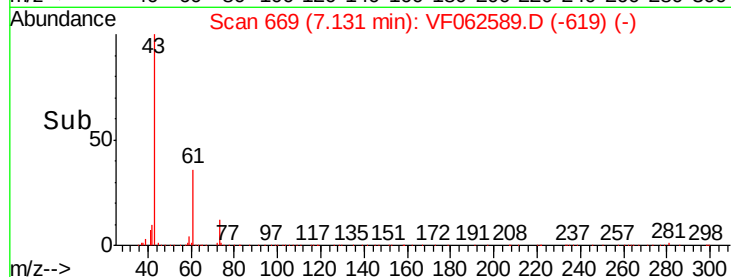
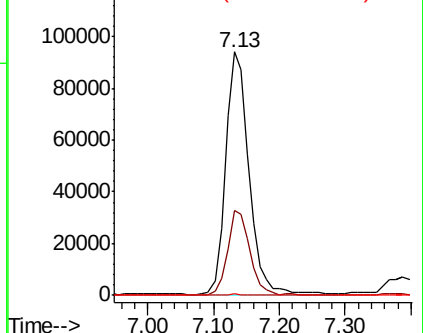
87 0.4 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 46.536 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.00 min

Lab File: VF062589.D

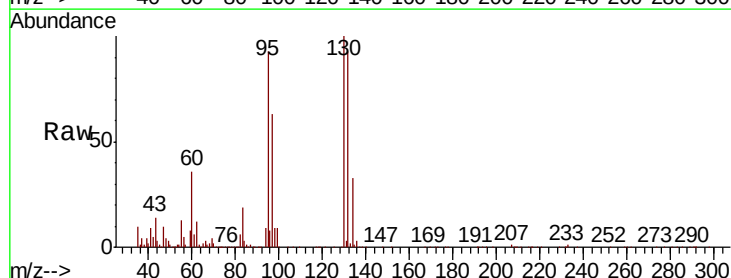
Acq: 14 May 2019 18:49

Tgt Ion: 130 Resp: 337979

Ion Ratio Lower Upper

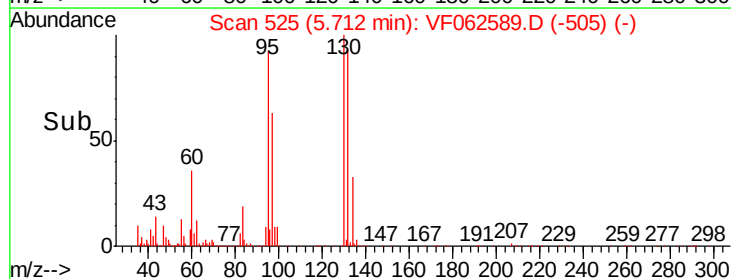
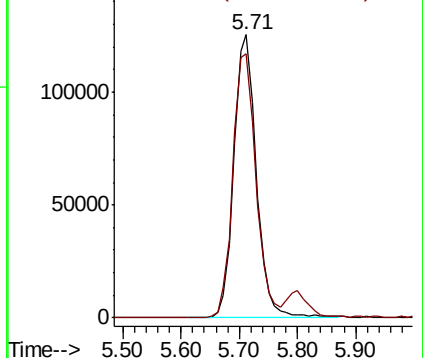
130 100

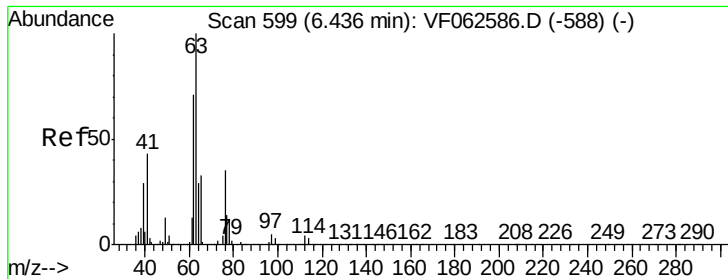
95 93.4 0.0 185.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.807 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

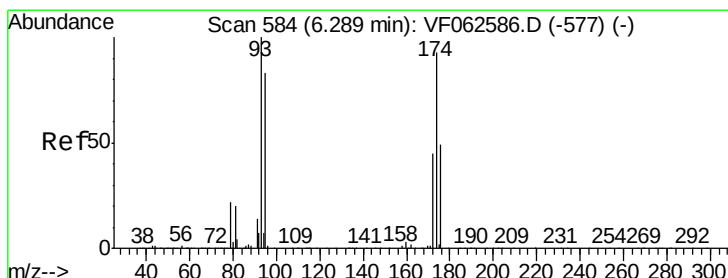
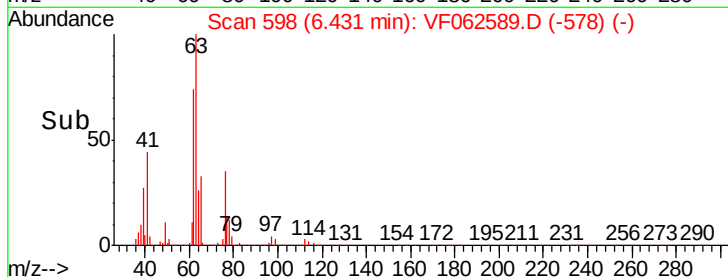
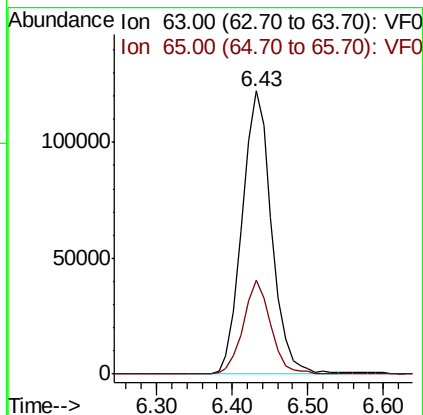
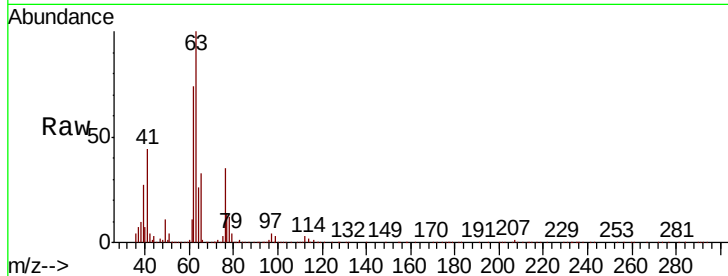
ICVVF051419

Tot Ion: 63 Resp: 330381

Ion Ratio Lower Upper

63 100

65 33.2 26.2 39.4



#46

Dibromomethane

Concen: 47.291 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

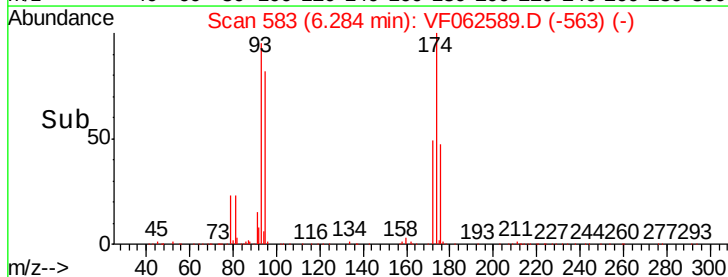
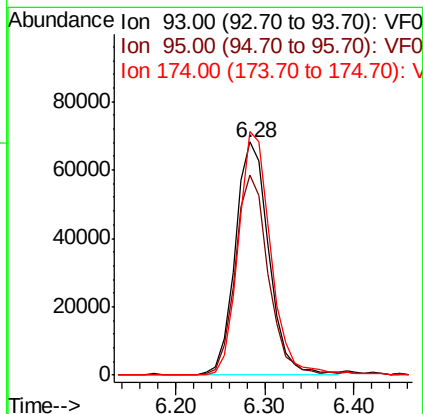
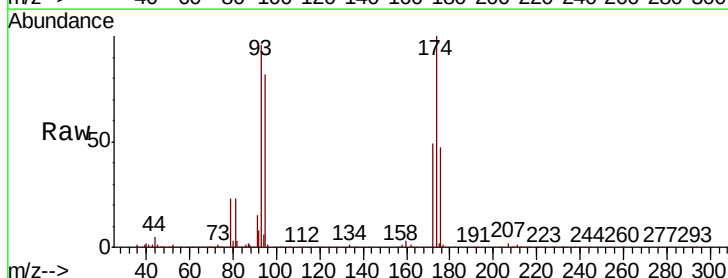
Tgt Ion: 93 Resp: 178975

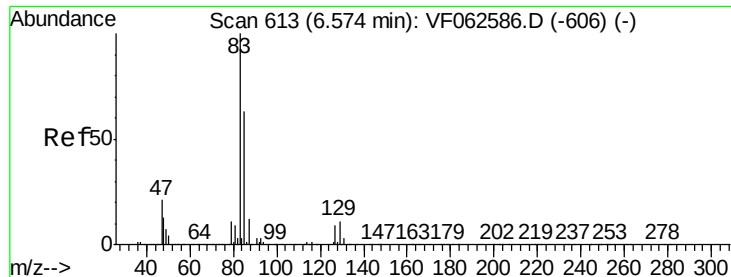
Ion Ratio Lower Upper

93 100

95 85.8 66.9 100.3

174 104.6 74.6 112.0





#47

Bromodichloromethane

Concen: 49.025 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

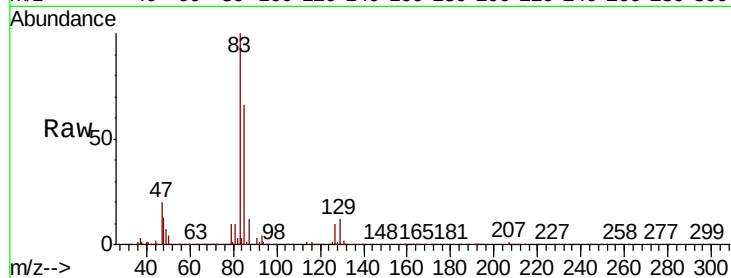
Tot Ion: 83 Resp: 398860

Ion Ratio Lower Upper

83 100

85 65.5 50.3 75.5

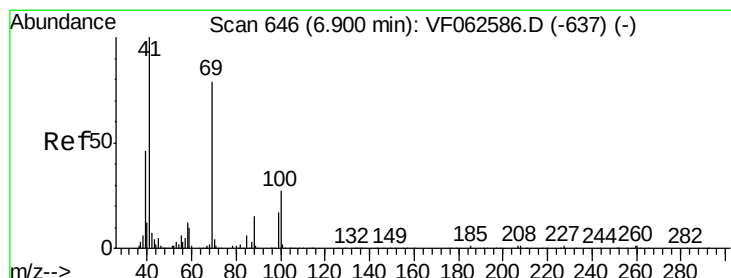
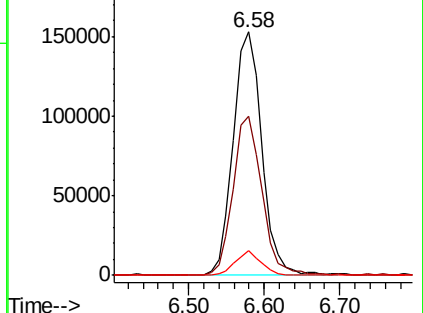
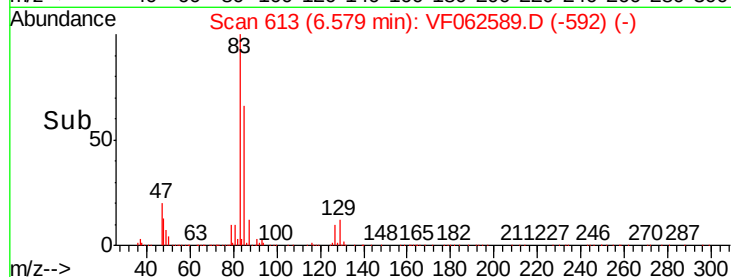
127 10.0 7.2 10.8



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: 51.345 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

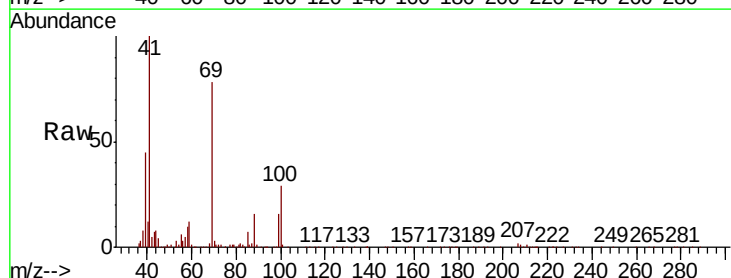
Tgt Ion: 41 Resp: 129190

Ion Ratio Lower Upper

41 100

69 78.0 63.0 94.6

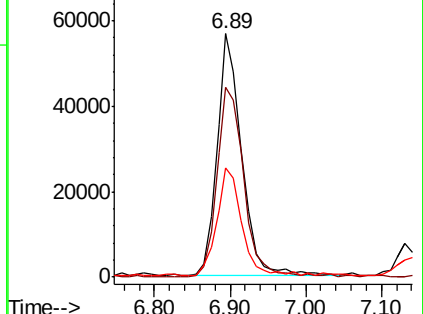
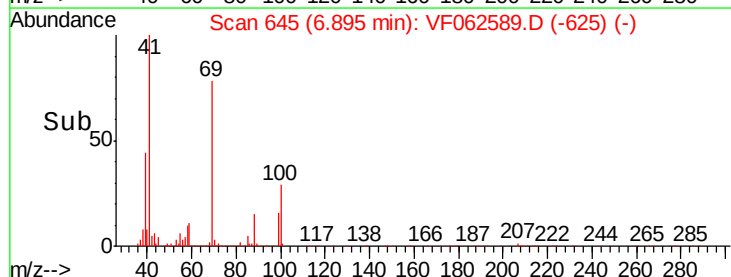
39 44.7 37.6 56.4

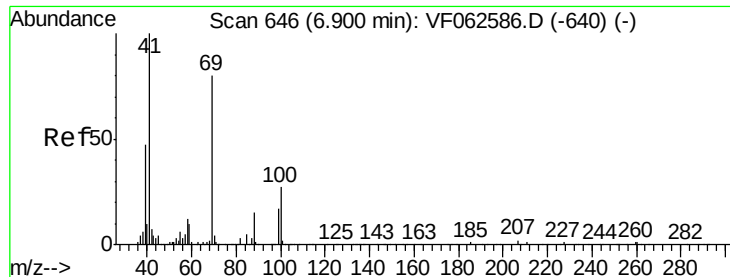


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 845.344 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

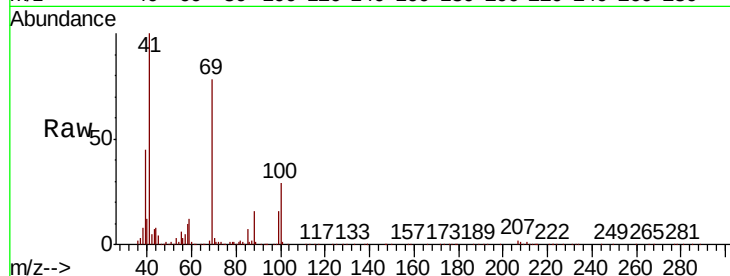
Tot Ion: 88 Resp: 28029

Ion Ratio Lower Upper

88 100

43 46.6 28.8 43.2#

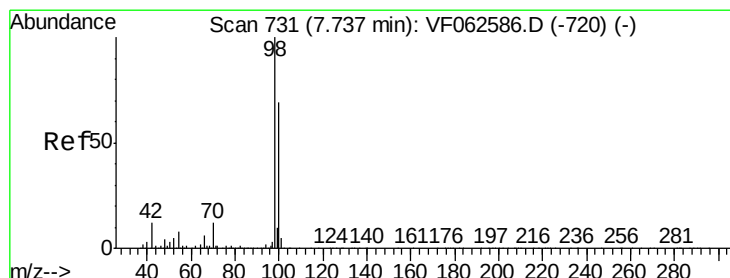
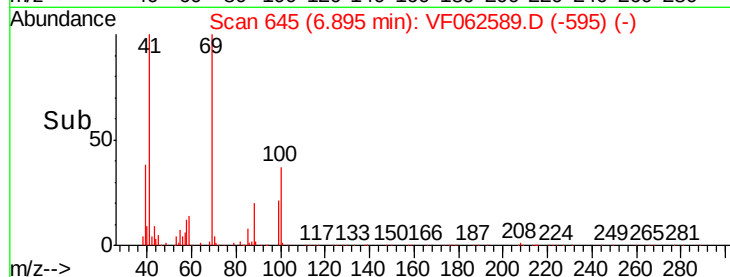
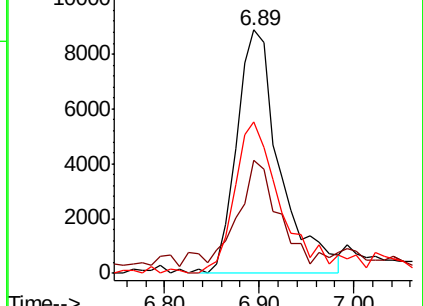
58 62.2 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.866 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062589.D

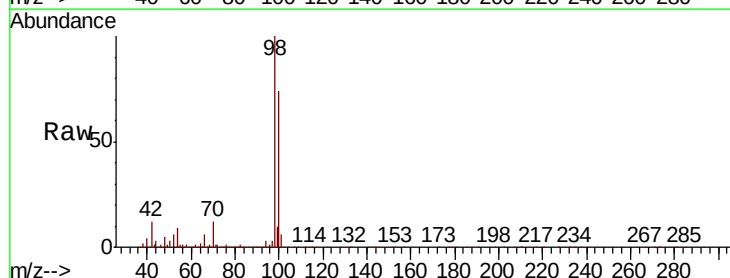
Acq: 14 May 2019 18:49

Tgt Ion: 98 Resp: 936262

Ion Ratio Lower Upper

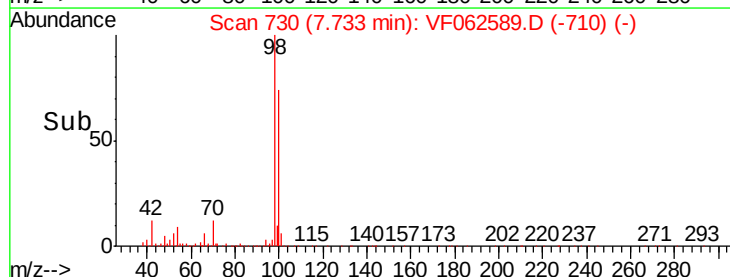
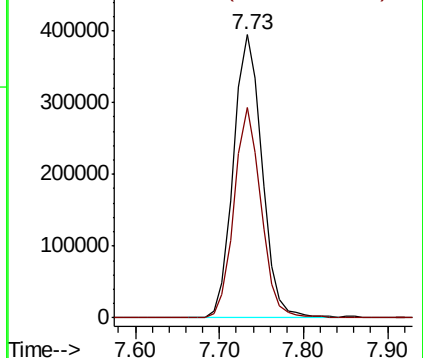
98 100

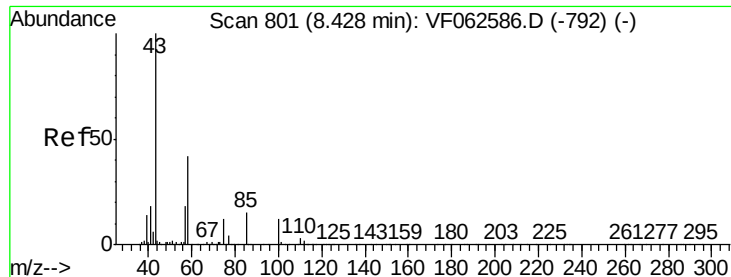
100 74.1 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 248.371 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

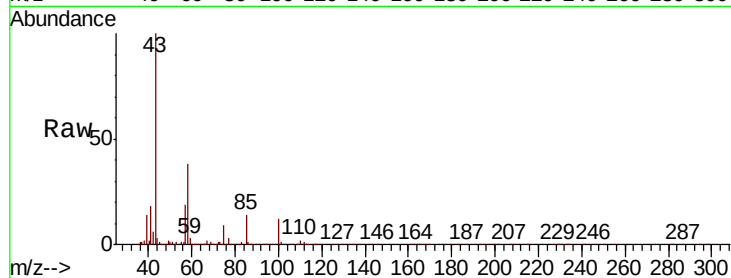
ICVVF051419

Tot Ion: 43 Resp: 836562

Ion Ratio Lower Upper

43 100

58 38.0 33.6 50.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

400000

300000

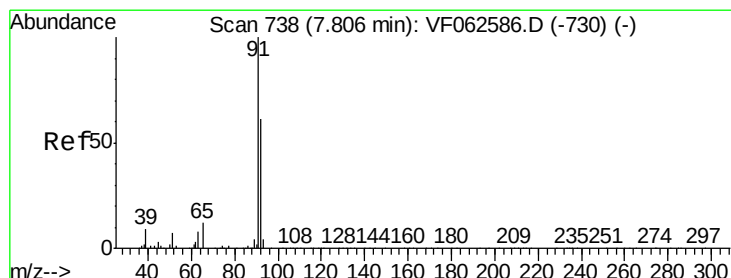
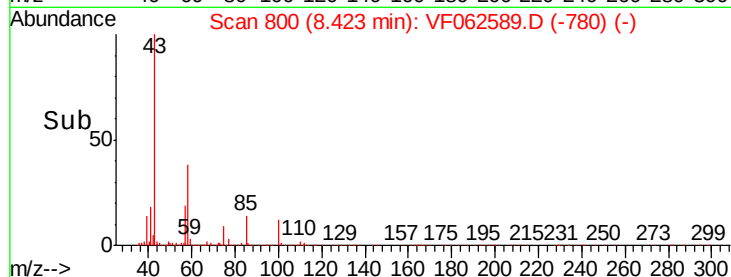
200000

100000

0

Time-->

8.30 8.40 8.50 8.60



#52

Toluene

Concen: 46.478 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062589.D

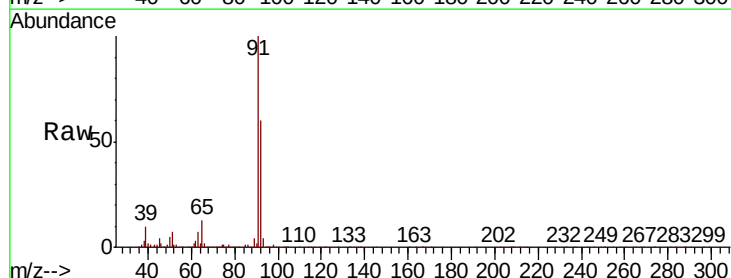
Acq: 14 May 2019 18:49

Tgt Ion: 92 Resp: 627447

Ion Ratio Lower Upper

92 100

91 166.5 131.0 196.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

500000

400000

300000

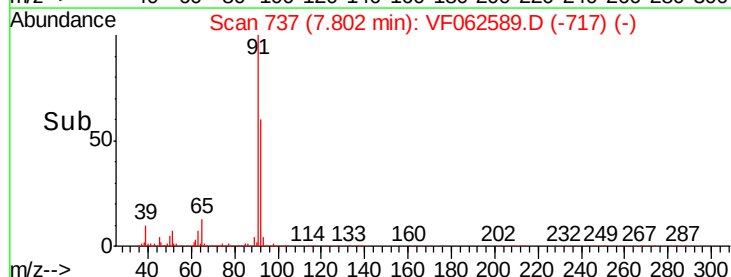
200000

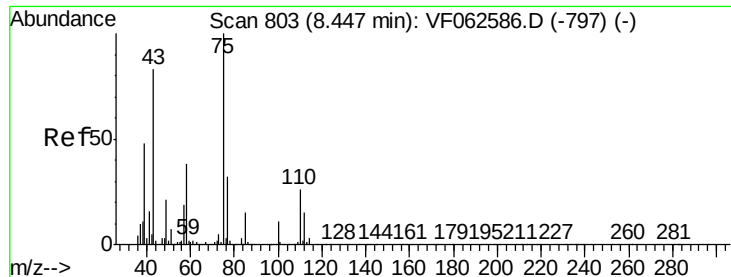
100000

0

Time-->

7.60 7.70 7.80 7.90 8.00

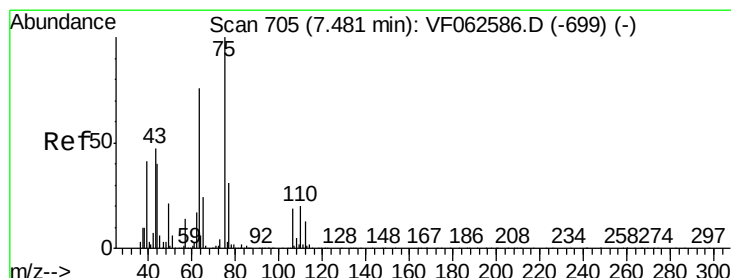
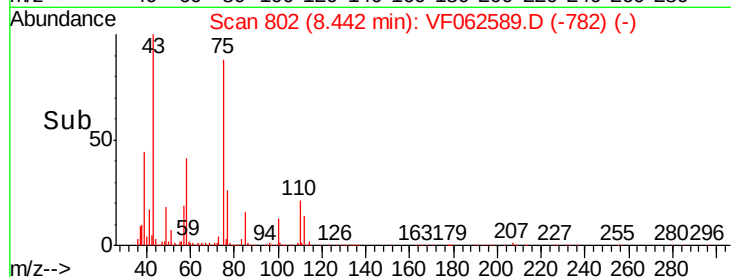
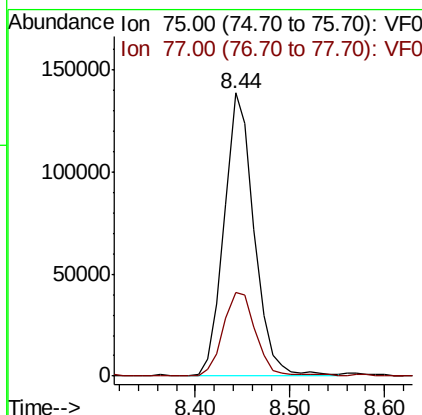
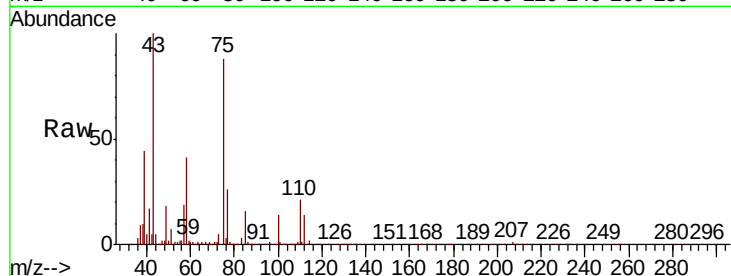




#53
 t-1,3-Dichloropropene
 Concen: 47.215 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

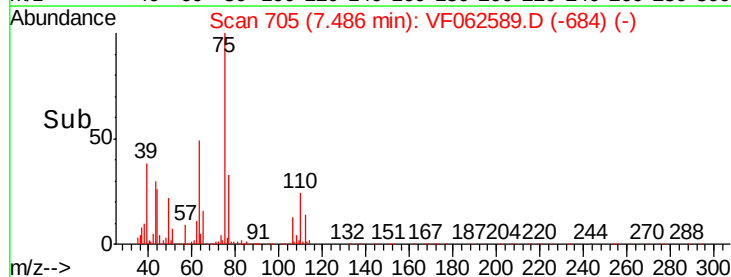
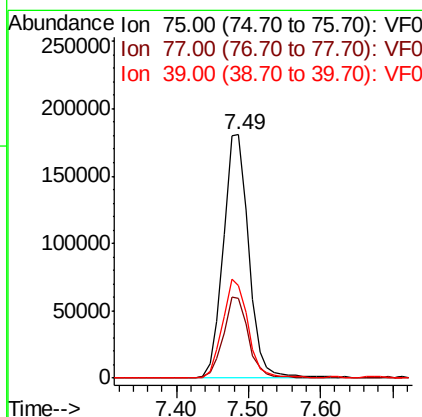
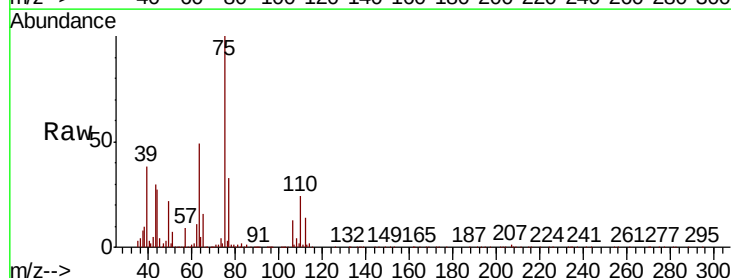
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051419

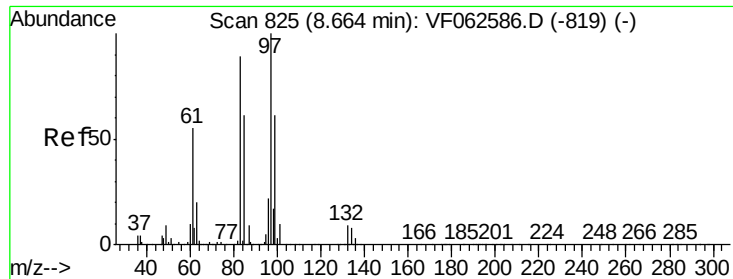
Tot Ion: 75 Resp: 303469
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 48.837 ug/l
 RT: 7.49 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion: 75 Resp: 443578
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.0 37.6
 39 38.2 32.8 49.2

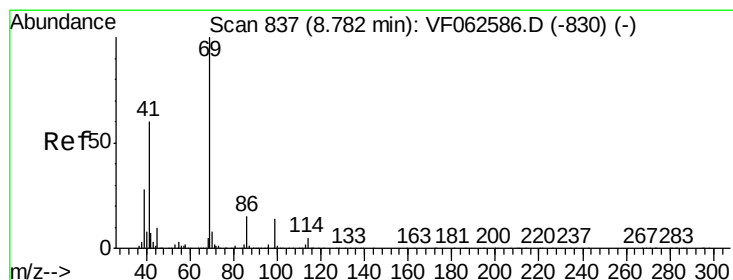
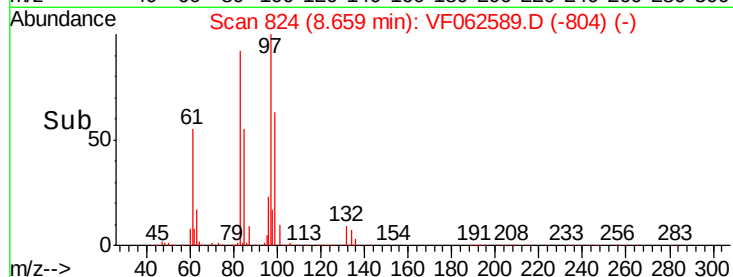
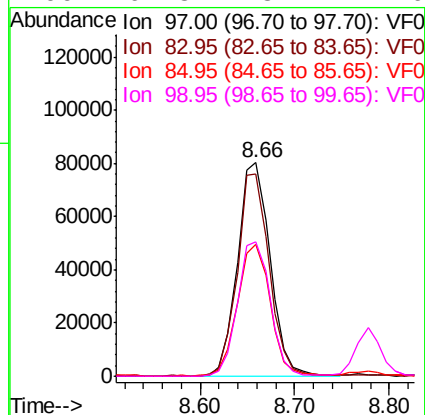
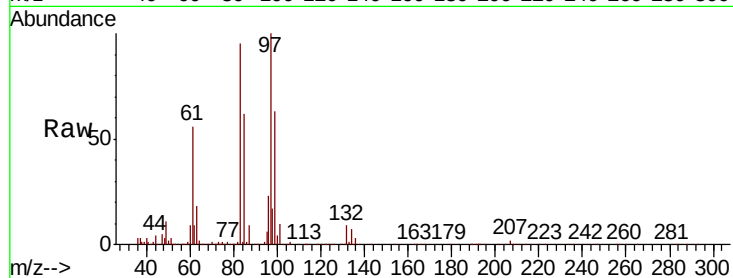




#55
 1,1,2-Trichloroethane
 Concen: 47.711 ug/l
 RT: 8.66 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

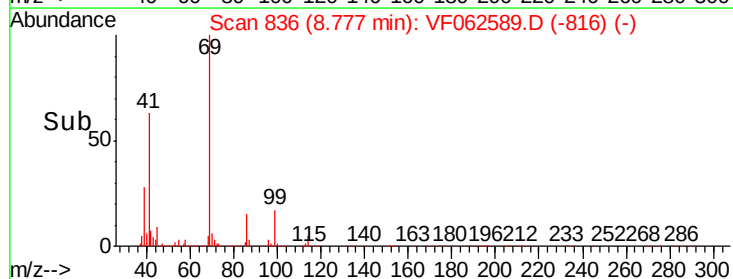
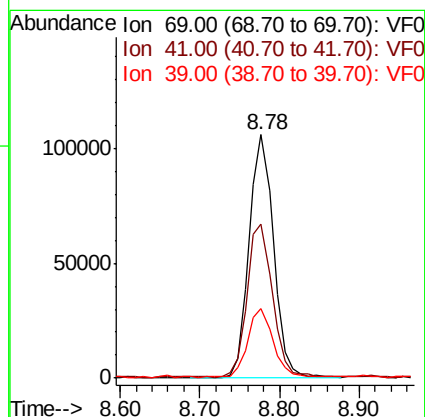
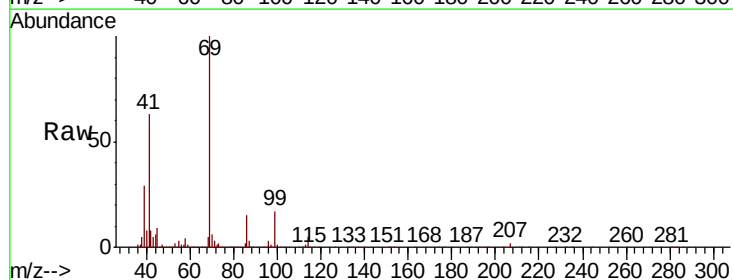
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051419

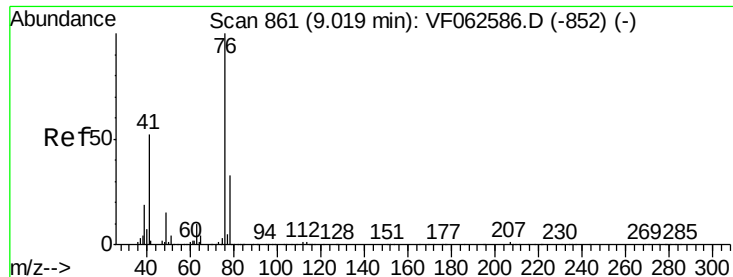
Tot Ion:	97	Resp:	192848
Ion	Ratio	Lower	Upper
97	100		
83	94.7	71.3	106.9
85	61.7	48.9	73.3
99	62.8	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 50.697 ug/l
 RT: 8.78 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion:	69	Resp:	224591
Ion	Ratio	Lower	Upper
69	100		
41	63.2	48.1	72.1
39	28.6	22.5	33.7

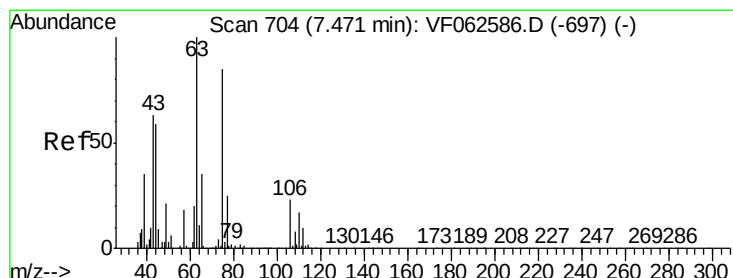
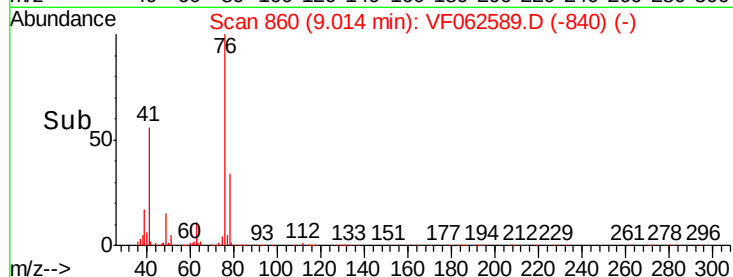
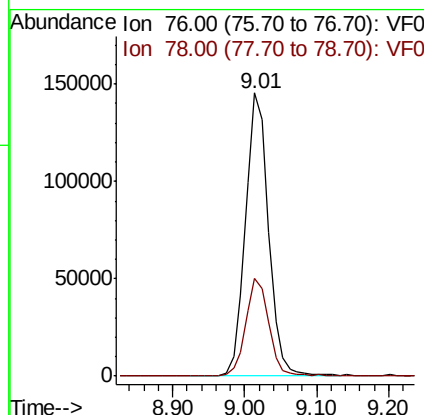
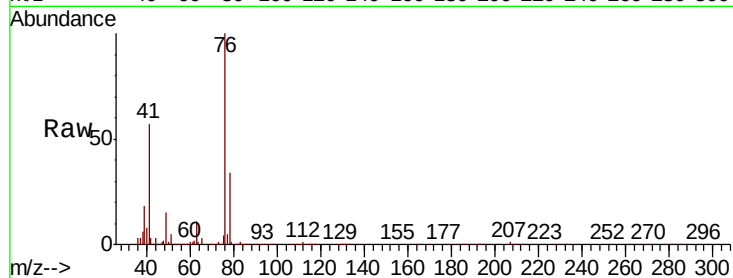




#57
 1,3-Dichloropropane
 Concen: 49.023 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

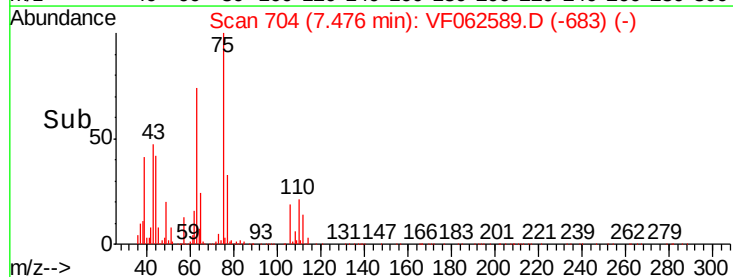
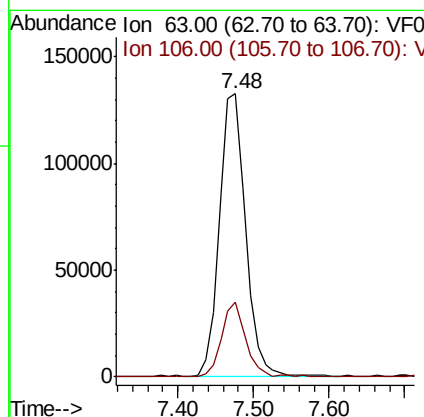
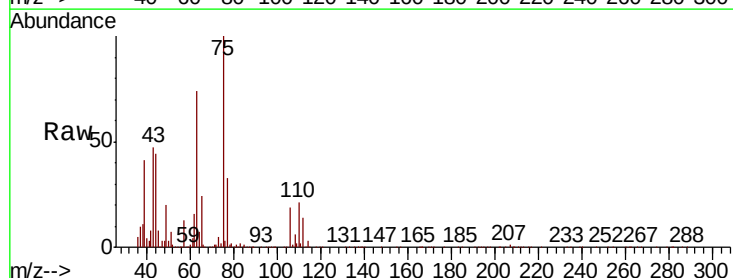
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051419

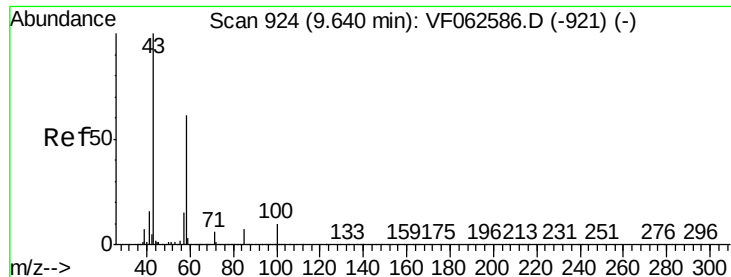
Tot Ion: 76 Resp: 327045
 Ion Ratio Lower Upper
 76 100
 78 34.4 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.255 ug/l
 RT: 7.48 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion: 63 Resp: 320548
 Ion Ratio Lower Upper
 63 100
 106 26.2 18.0 27.0

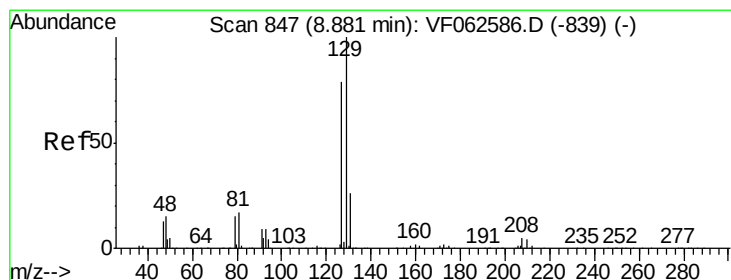
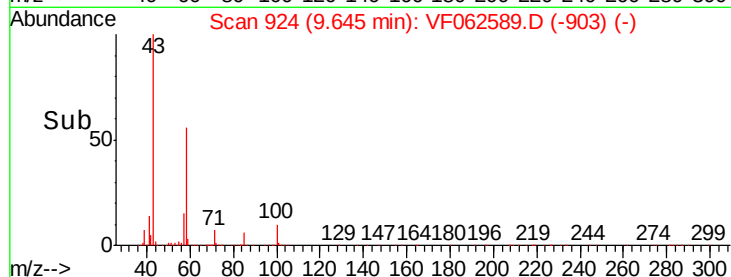
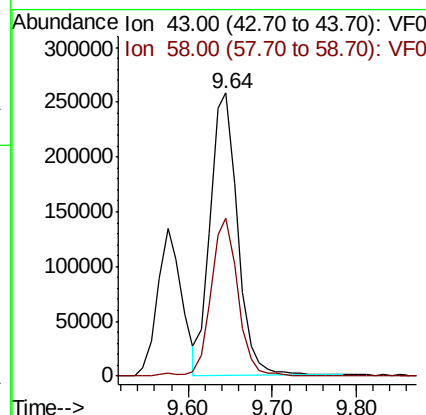
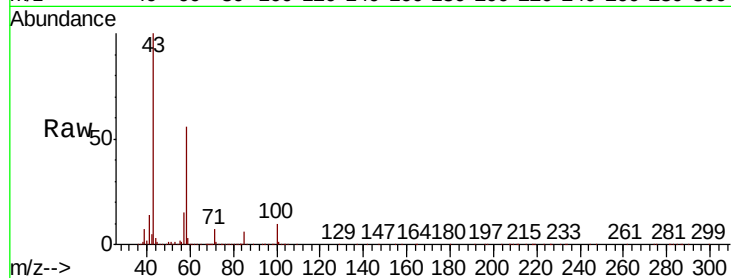




#59
2-Hexanone
Concen: 258.995 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

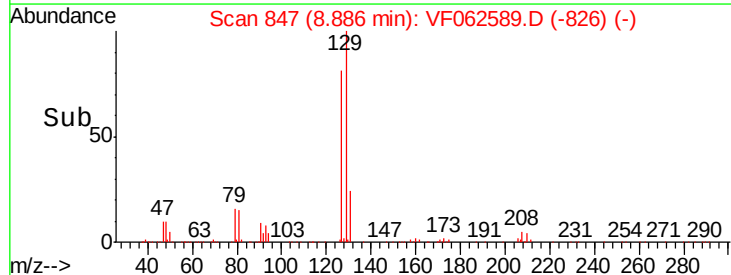
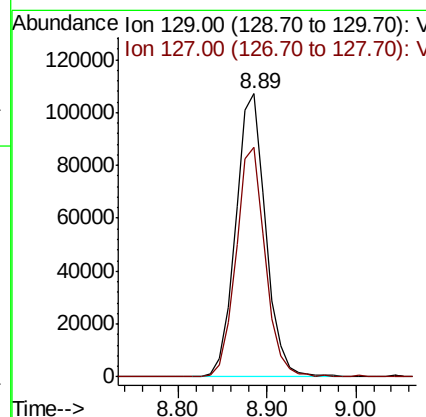
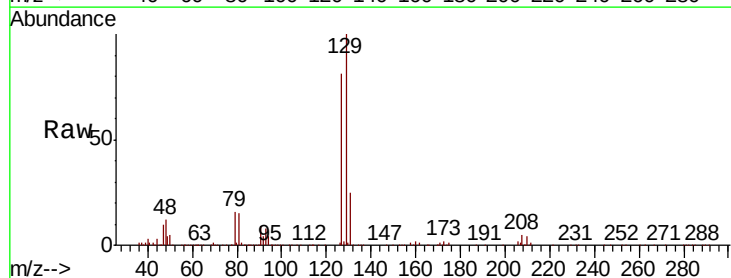
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

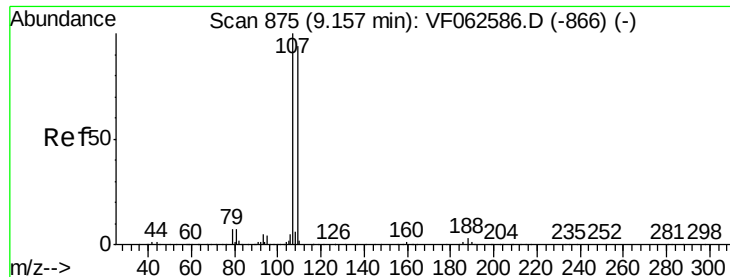
Tot Ion: 43 Resp: 576137
Ion Ratio Lower Upper
43 100
58 55.9 28.7 86.3



#60
Dibromochloromethane
Concen: 49.050 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 129 Resp: 251898
Ion Ratio Lower Upper
129 100
127 81.0 39.3 117.9





#61

1,2-Dibromoethane

Concen: 50.091 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

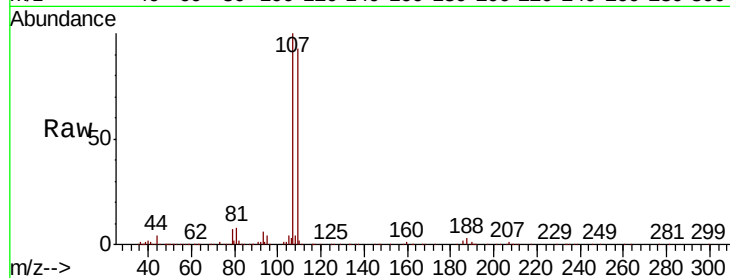
ICVVF051419

Tot Ion: 107 Resp: 203066

Ion Ratio Lower Upper

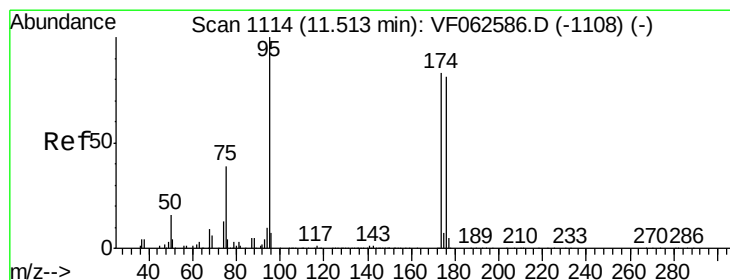
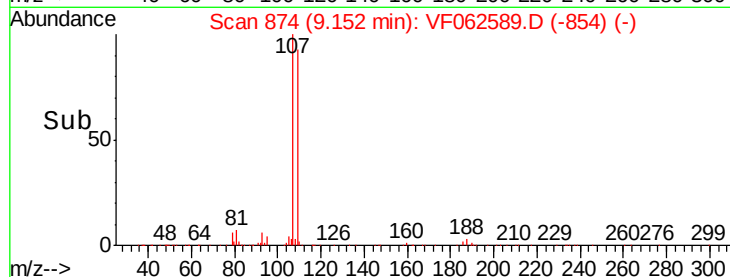
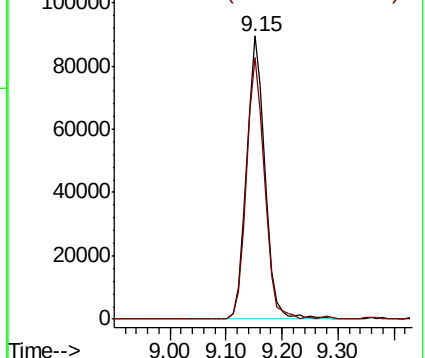
107 100

109 92.5 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.853 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

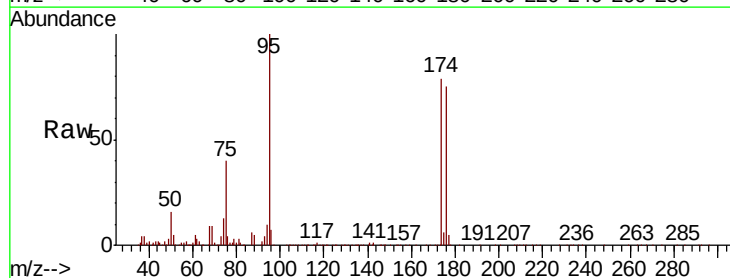
Tgt Ion: 95 Resp: 326891

Ion Ratio Lower Upper

95 100

174 79.2 0.0 166.6

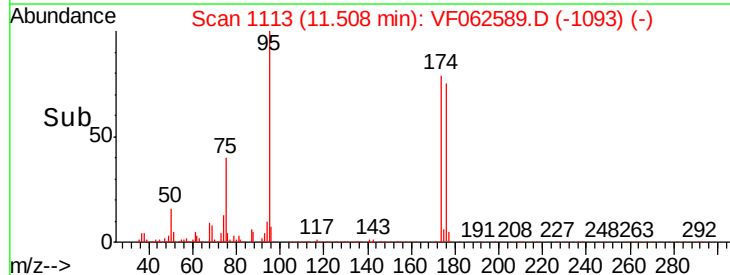
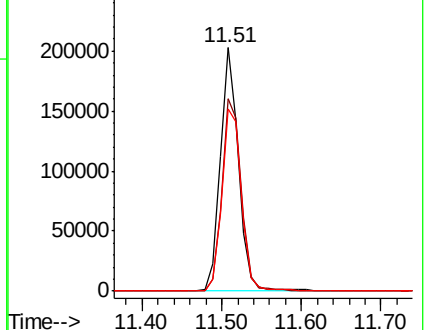
176 74.6 0.0 161.8

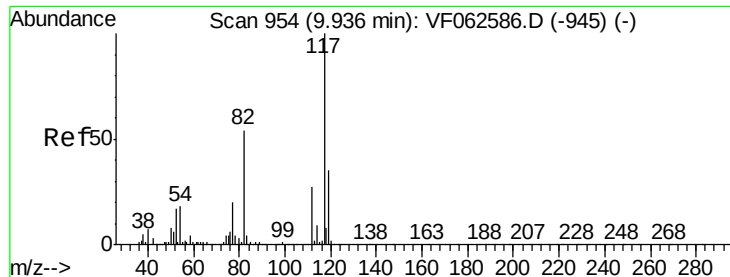


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

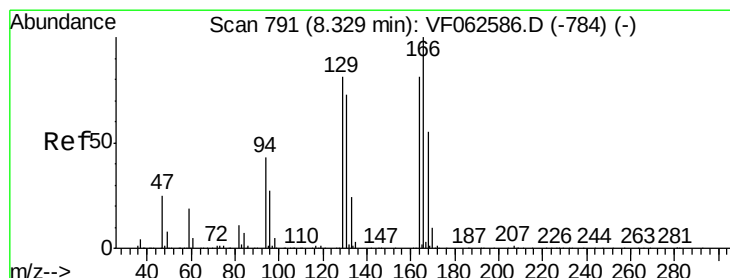
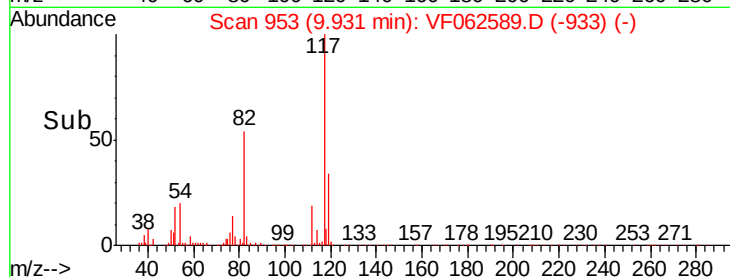
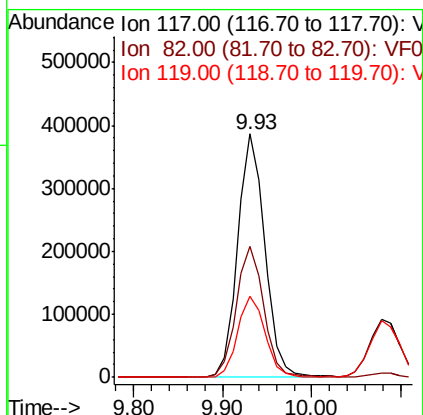
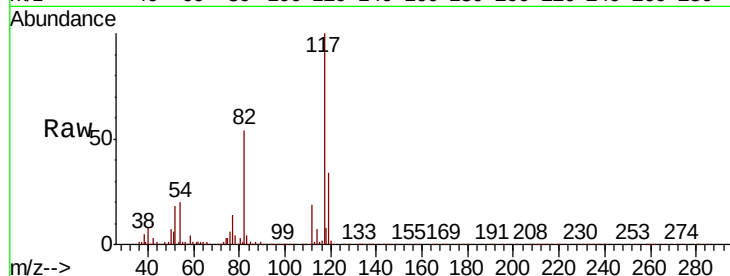




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

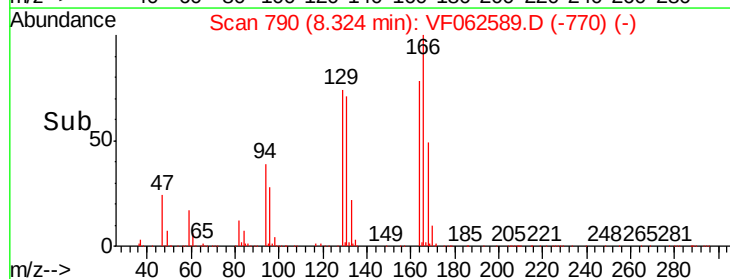
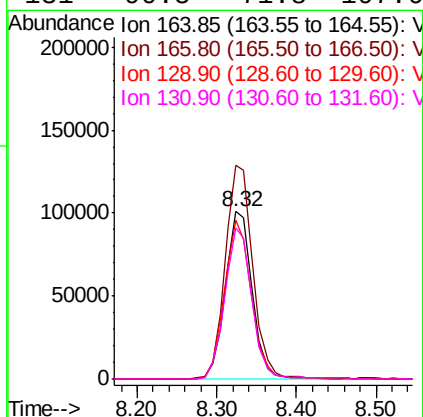
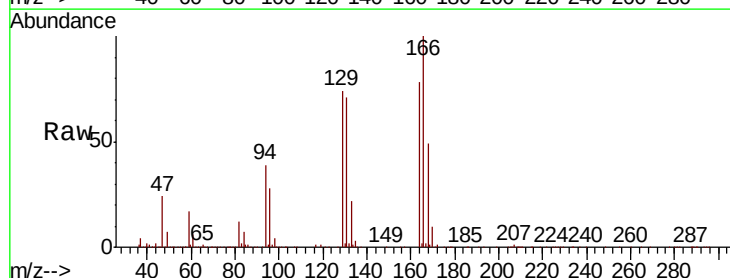
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

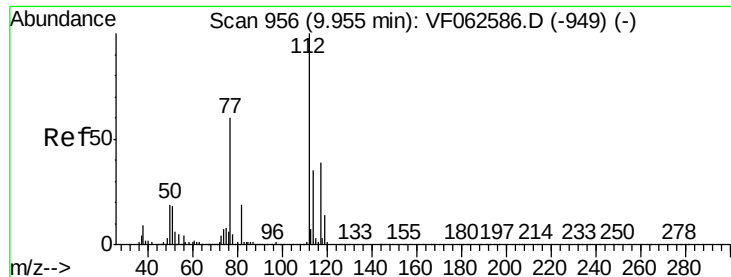
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.4	65.0
119	33.5	27.7	41.5



#64
Tetrachloroethene
Concen: 43.892 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	98.6	148.0
129	94.6	80.2	120.4
131	90.5	71.8	107.6





#65

Chlorobenzene

Concen: 46.252 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

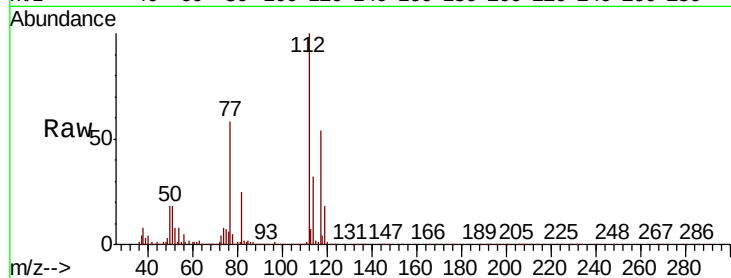
ICVVF051419

Tot Ion:112 Resp: 662276

Ion Ratio Lower Upper

112 100

114 31.7 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

300000

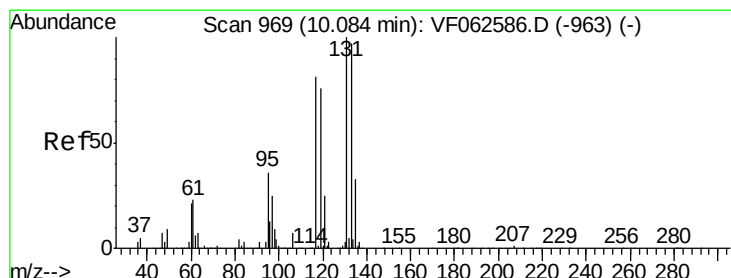
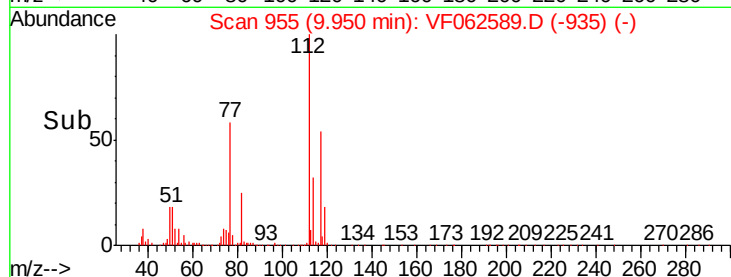
200000

100000

0

9.95

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.296 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

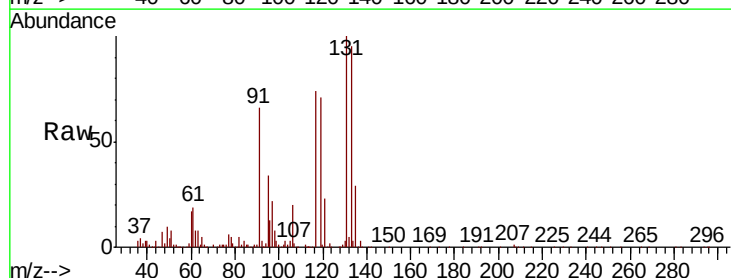
Tgt Ion:131 Resp: 284042

Ion Ratio Lower Upper

131 100

133 94.6 48.4 145.3

119 71.0 38.5 115.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

150000

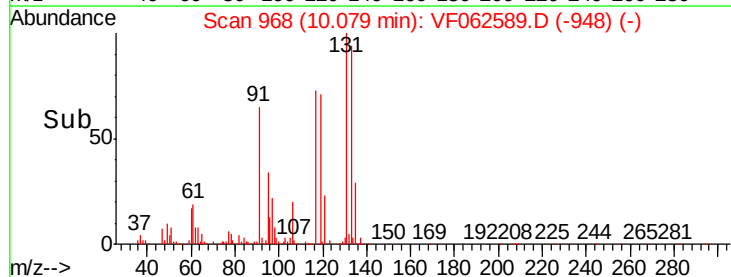
100000

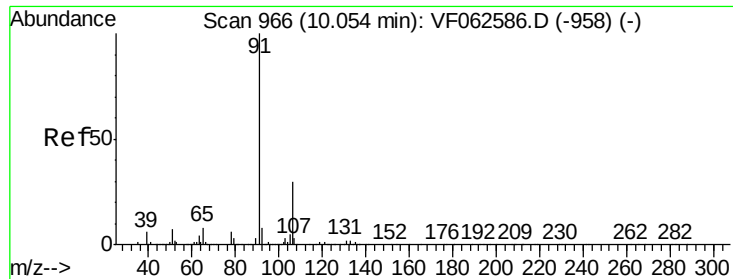
50000

0

10.08

Time-->

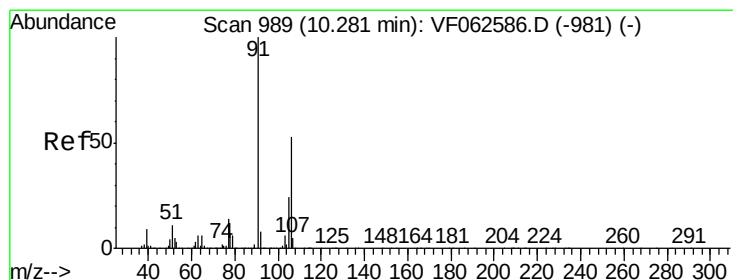
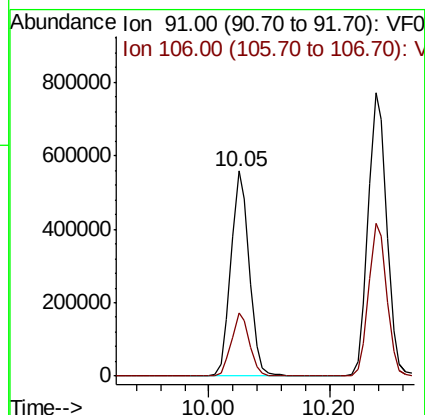
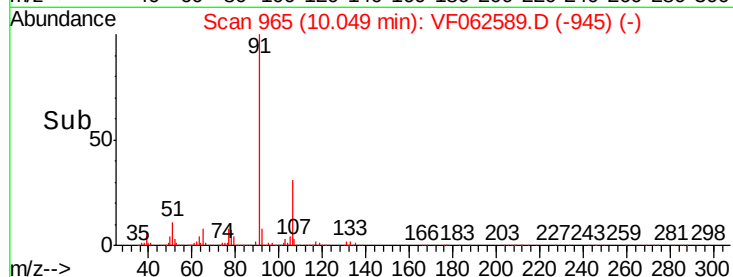
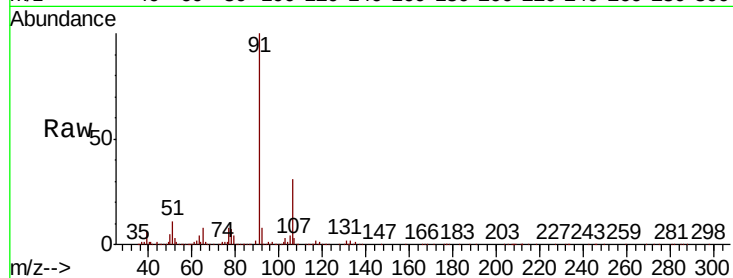




#67
Ethyl Benzene
Concen: 46.356 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

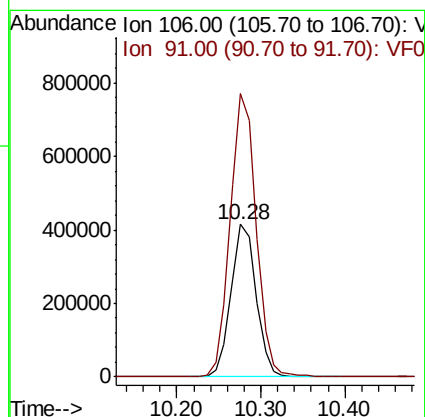
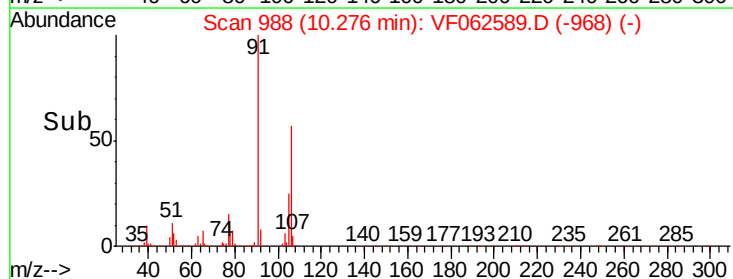
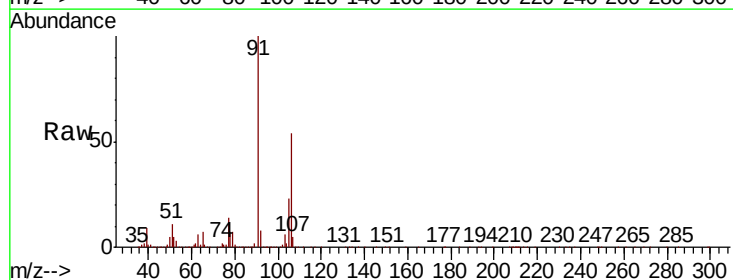
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

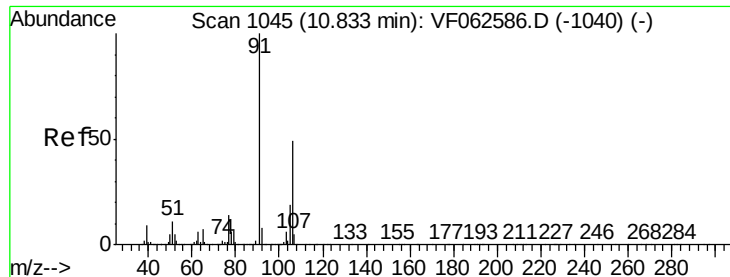
Tot Ion: 91 Resp: 1179306
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4



#68
m/p-Xylenes
Concen: 96.159 ug/l
RT: 10.28 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion: 106 Resp: 867058
Ion Ratio Lower Upper
106 100
91 185.6 150.5 225.7

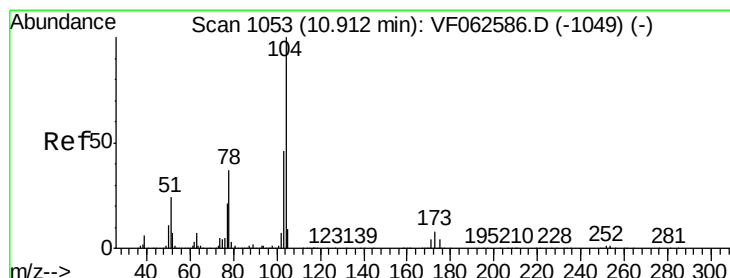
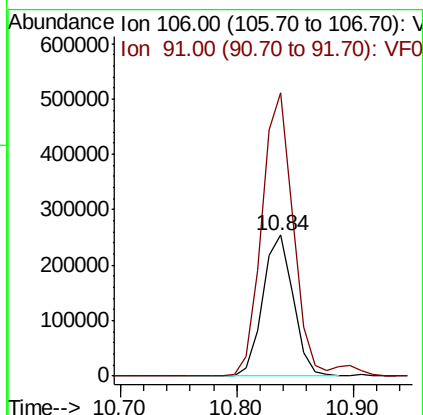
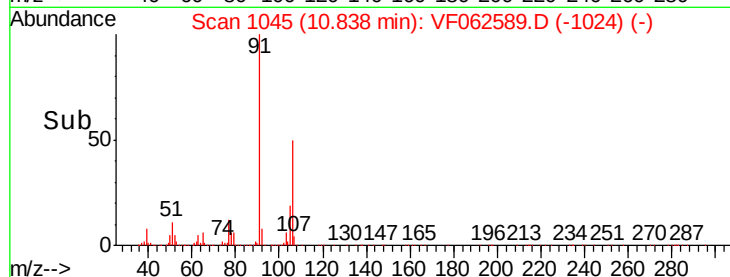
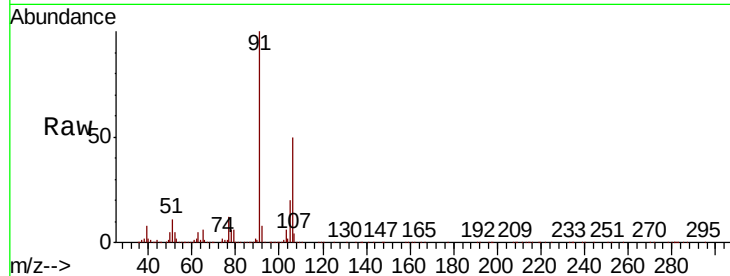




#69
o-Xylene
Concen: 48.812 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

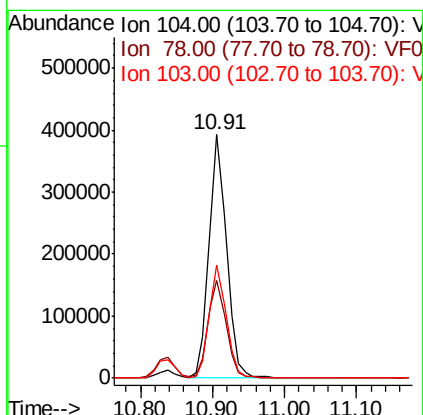
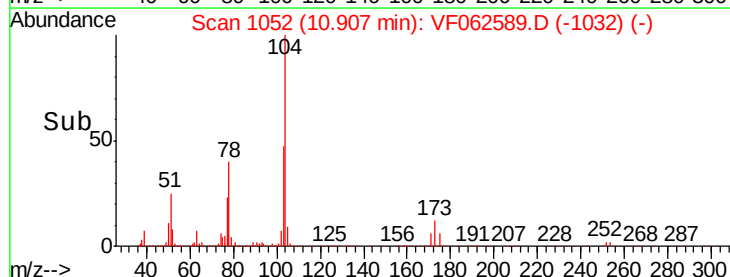
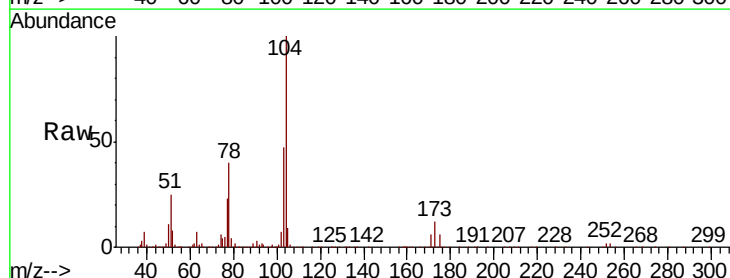
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

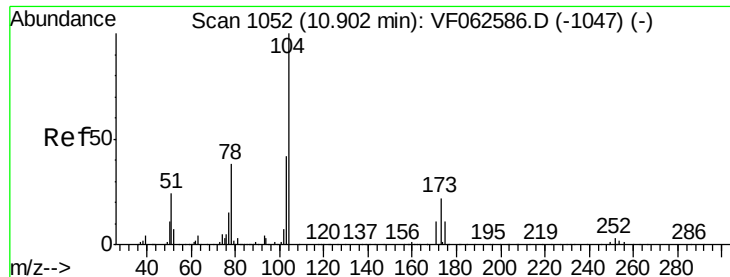
Tot Ion:106 Resp: 461713
Ion Ratio Lower Upper
106 100
91 200.8 102.0 305.9



#70
Styrene
Concen: 46.230 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion:104 Resp: 664461
Ion Ratio Lower Upper
104 100
78 40.3 30.2 45.2
103 46.7 37.0 55.6





#71

Bromoform

Concen: 48.940 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

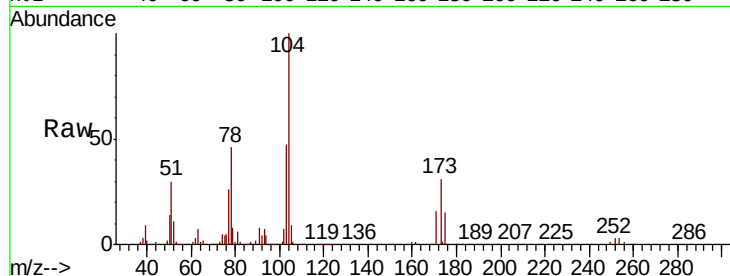
Tot Ion:173 Resp: 135523

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.3

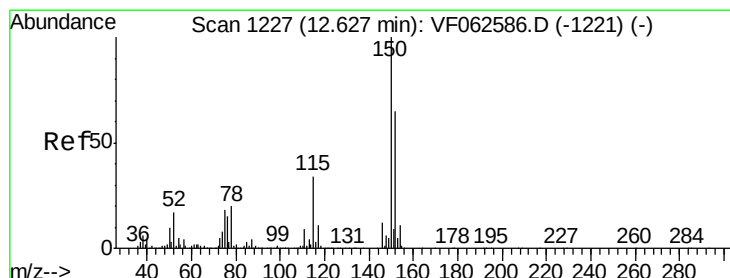
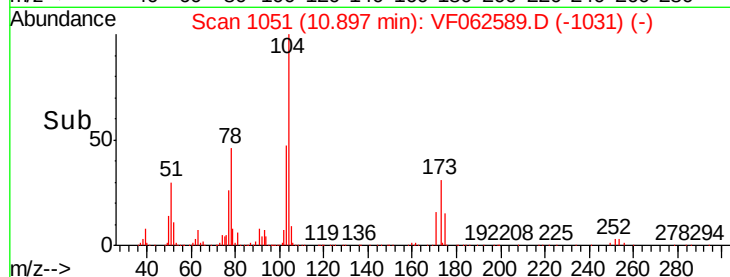
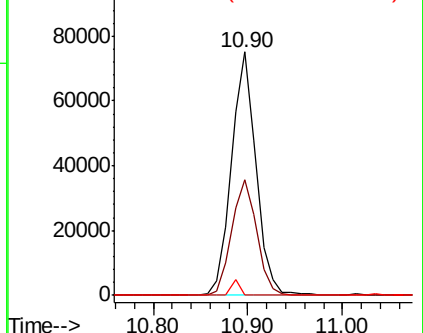
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

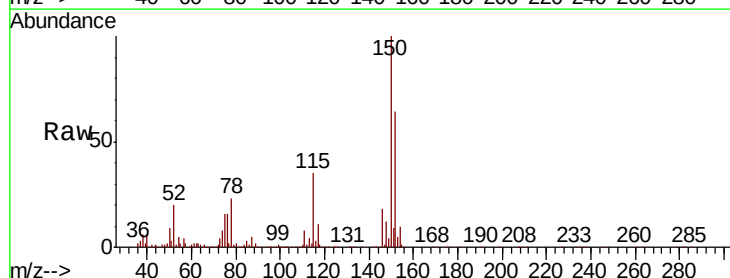
Tgt Ion:152 Resp: 395656

Ion Ratio Lower Upper

152 100

115 54.3 26.2 78.6

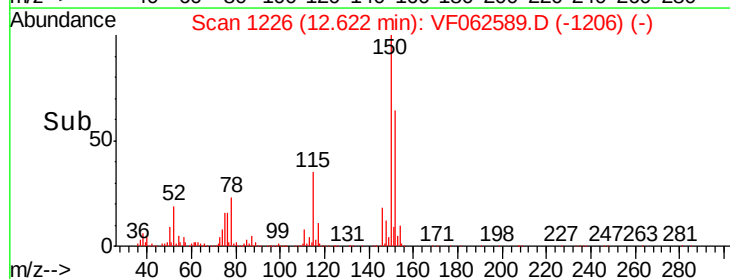
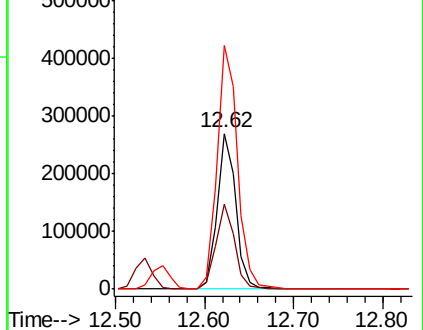
150 156.4 0.0 316.0

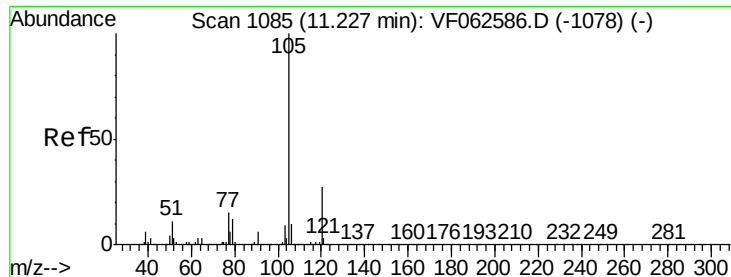


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.038 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

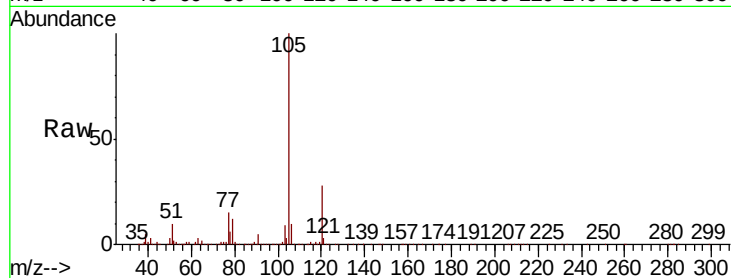
ICVVF051419

Tot Ion:105 Resp: 1277947

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

800000

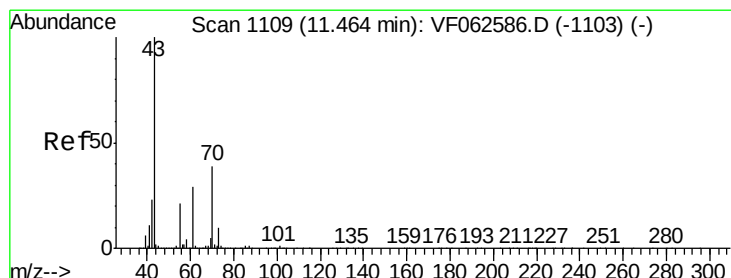
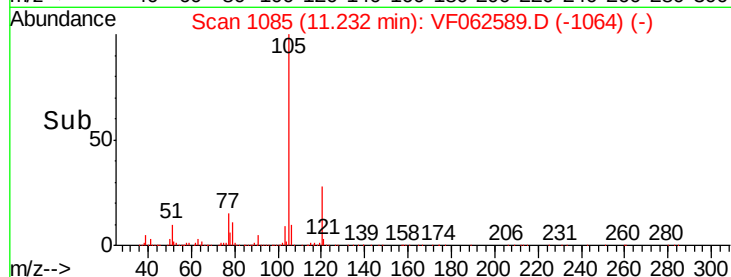
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.284 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Tgt Ion: 43 Resp: 331264

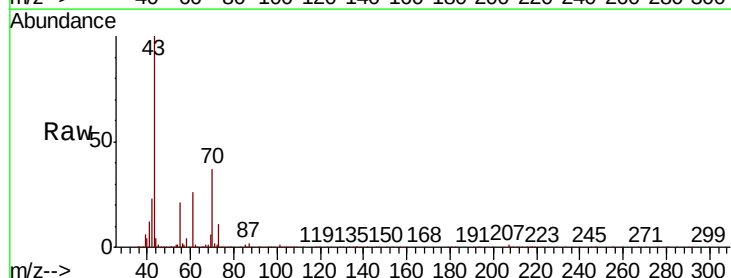
Ion Ratio Lower Upper

43 100

70 36.8 31.0 46.4

55 21.4 16.7 25.1

61 26.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

300000

250000

200000

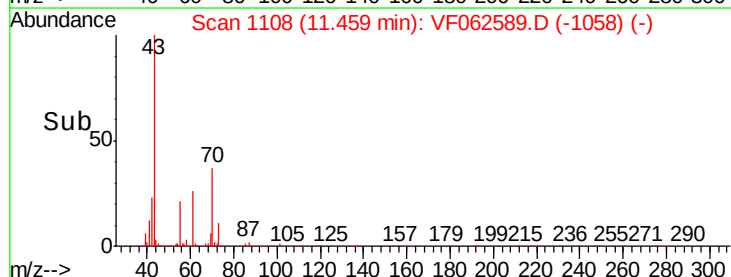
150000

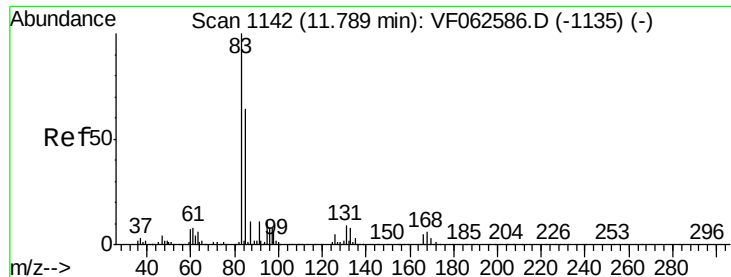
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.640 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

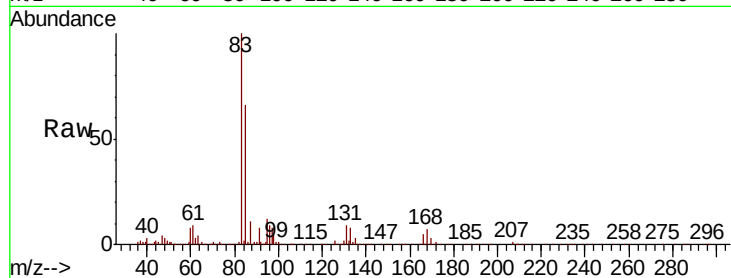
Tot Ion: 83 Resp: 259636

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

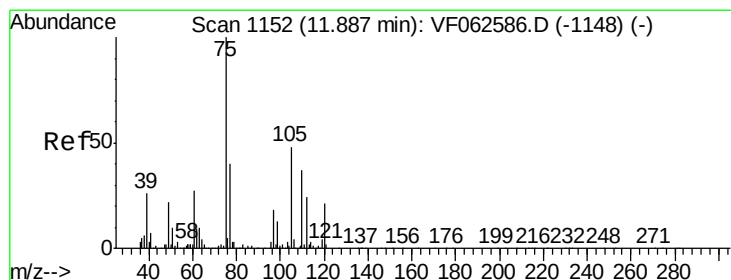
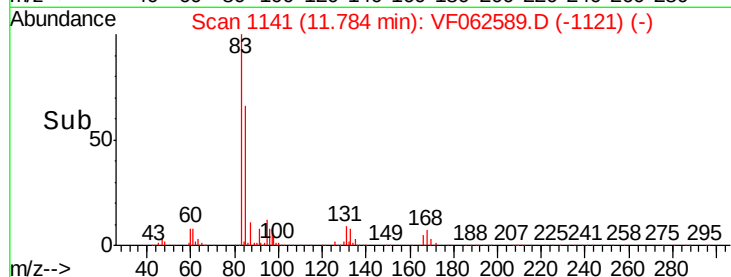
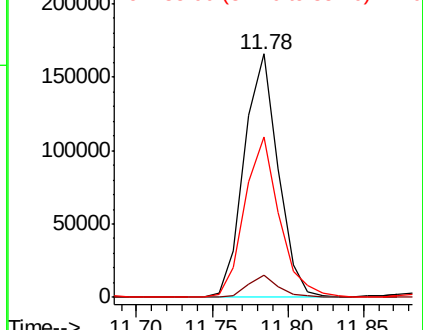
85 66.1 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.469 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062589.D

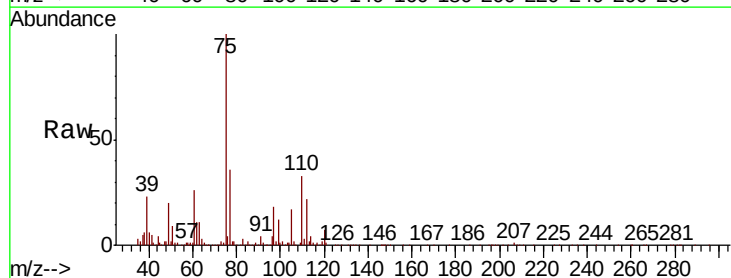
Acq: 14 May 2019 18:49

Tgt Ion: 75 Resp: 162356

Ion Ratio Lower Upper

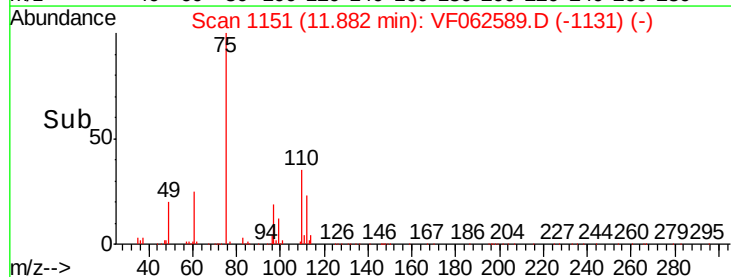
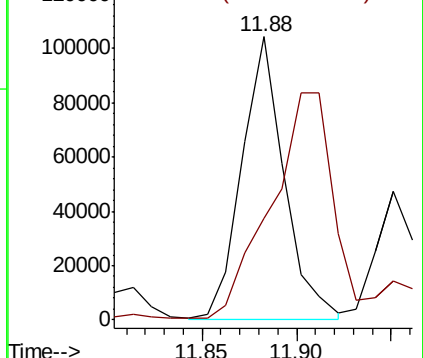
75 100

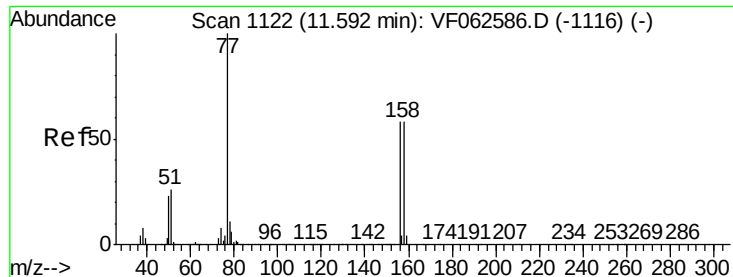
77 36.0 20.4 61.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.260 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

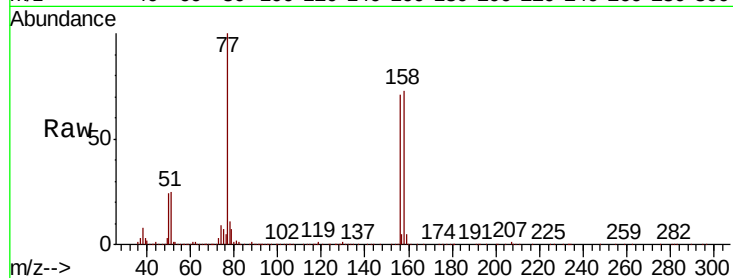
Tot Ion:156 Resp: 290129

Ion Ratio Lower Upper

156 100

77 141.5 86.5 259.5

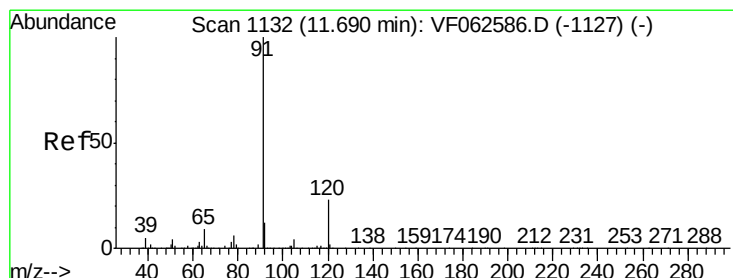
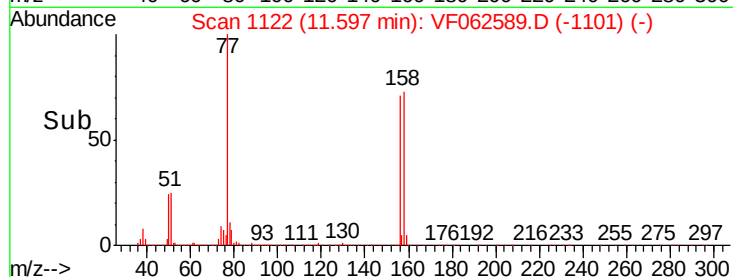
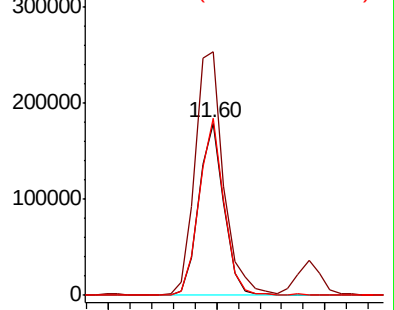
158 102.8 50.3 150.9



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: 46.407 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062589.D

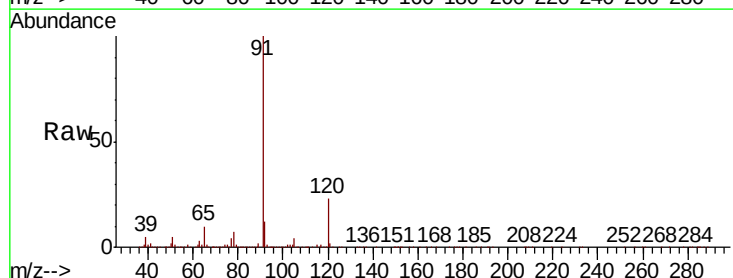
Acq: 14 May 2019 18:49

Tgt Ion: 91 Resp: 1468416

Ion Ratio Lower Upper

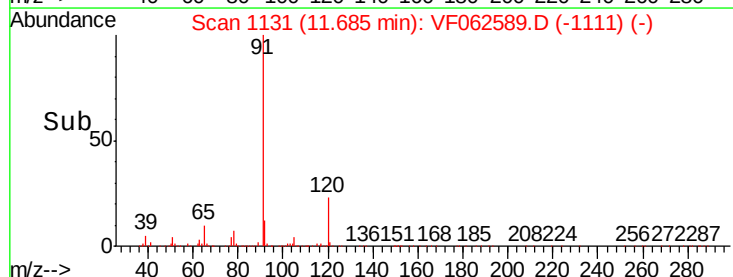
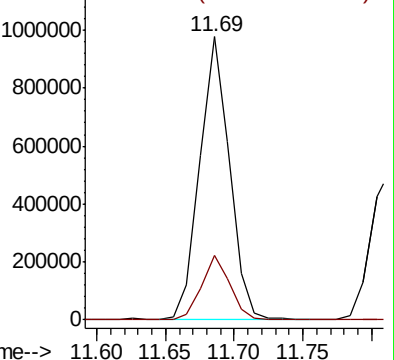
91 100

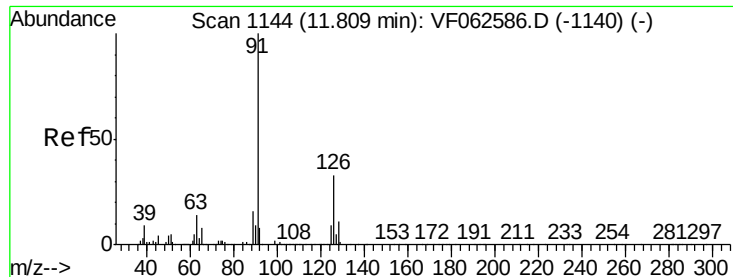
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.516 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

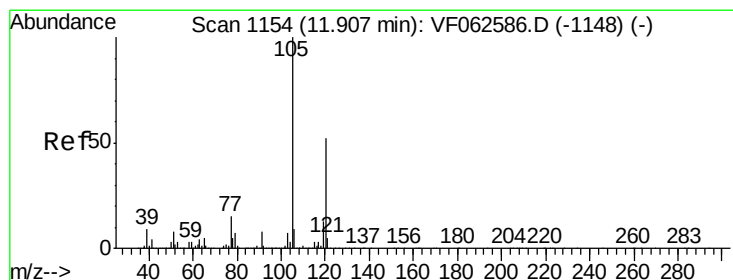
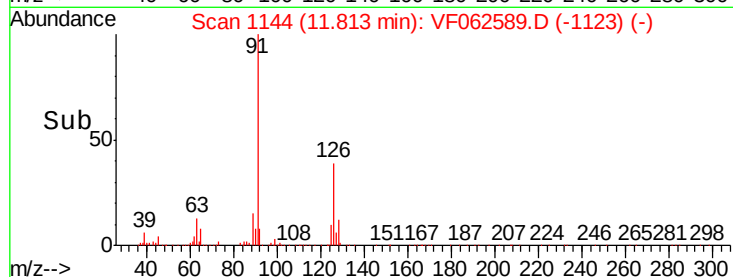
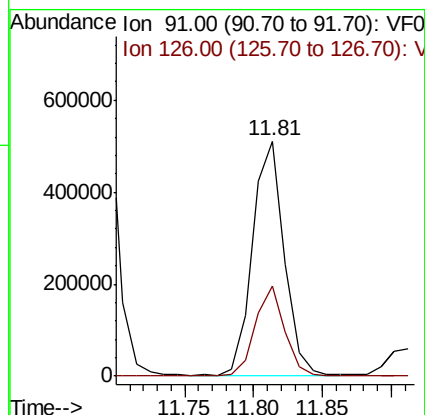
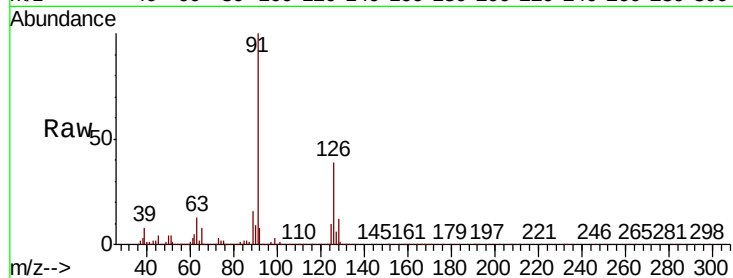
ICVVF051419

Tot Ion: 91 Resp: 812301

Ion Ratio Lower Upper

91 100

126 38.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 47.949 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062589.D

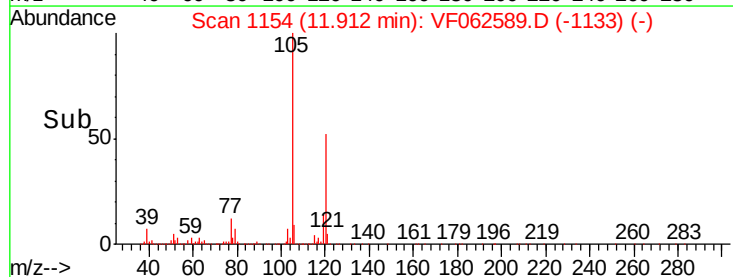
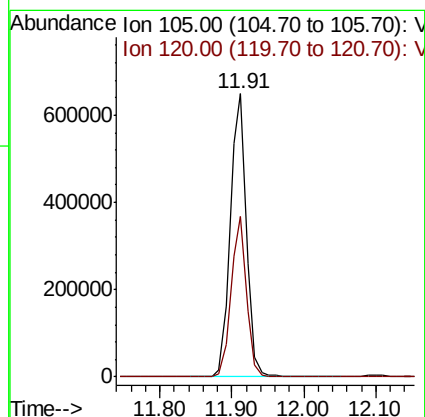
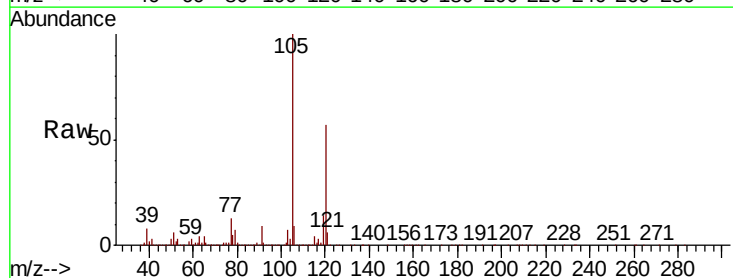
Acq: 14 May 2019 18:49

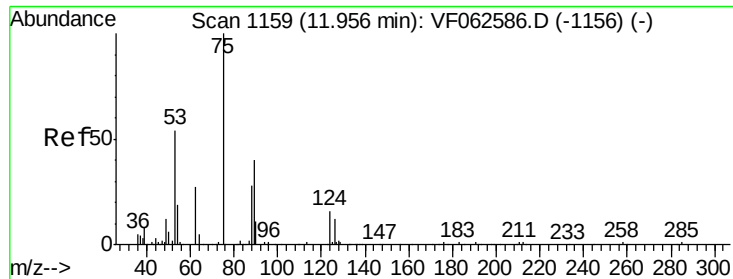
Tgt Ion:105 Resp: 998485

Ion Ratio Lower Upper

105 100

120 56.8 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 62.999 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

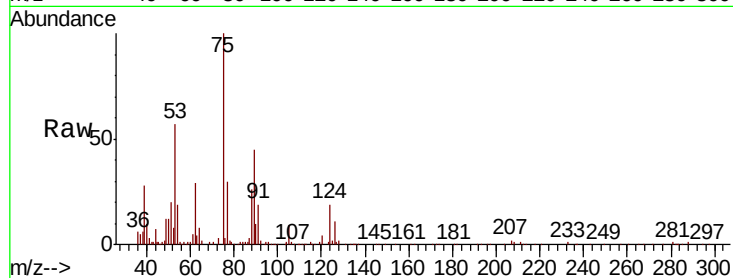
Tot Ion: 75 Resp: 93818

Ion Ratio Lower Upper

75 100

53 57.0 46.6 70.0

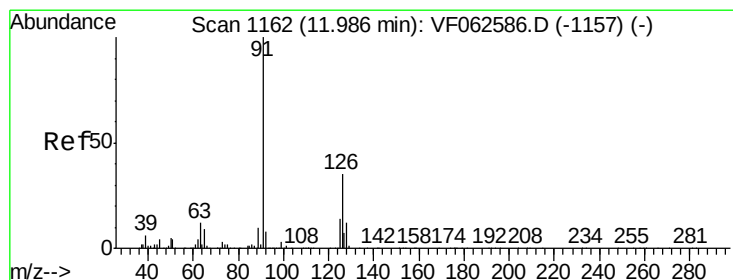
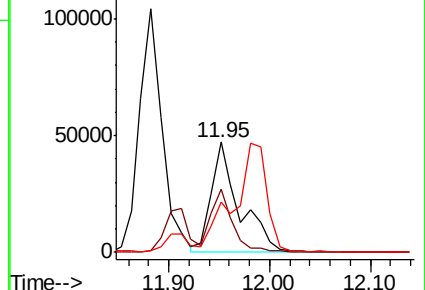
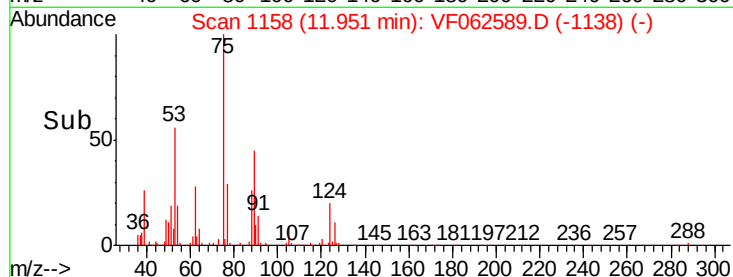
89 45.3 33.8 50.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 46.866 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062589.D

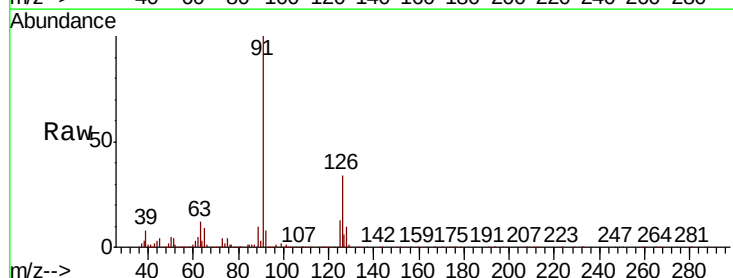
Acq: 14 May 2019 18:49

Tgt Ion: 91 Resp: 800237

Ion Ratio Lower Upper

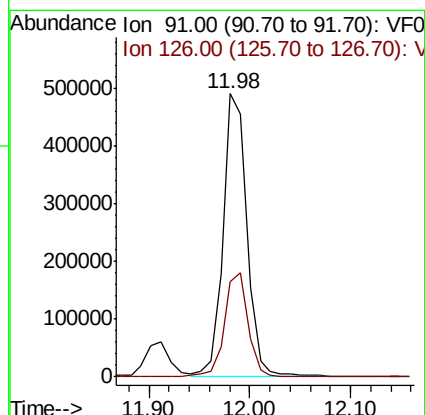
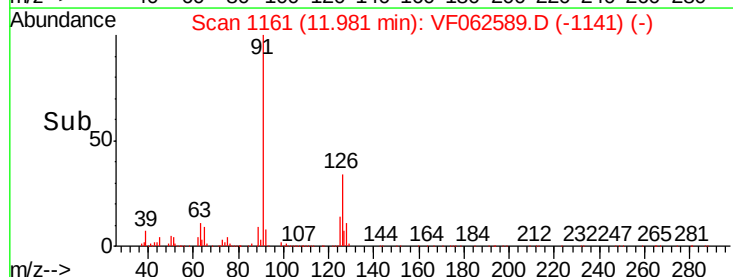
91 100

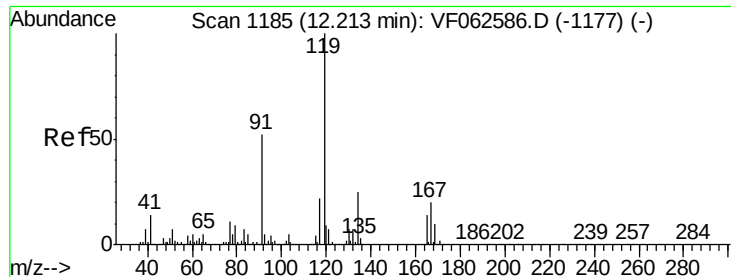
126 33.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

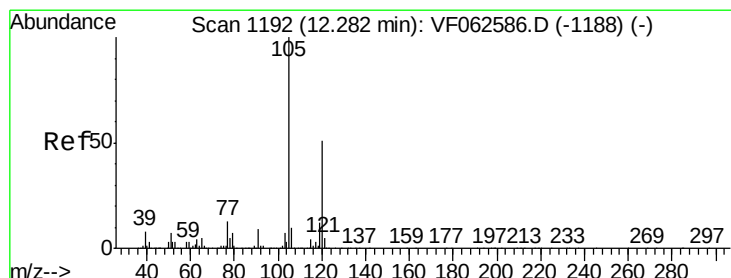
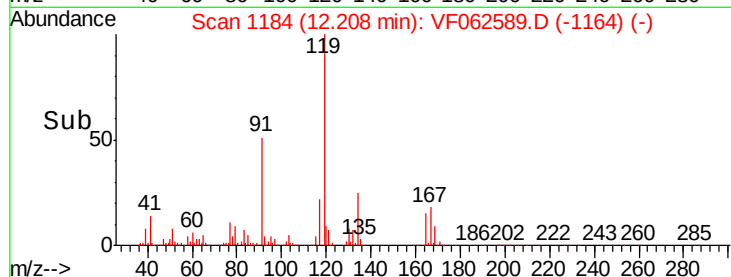
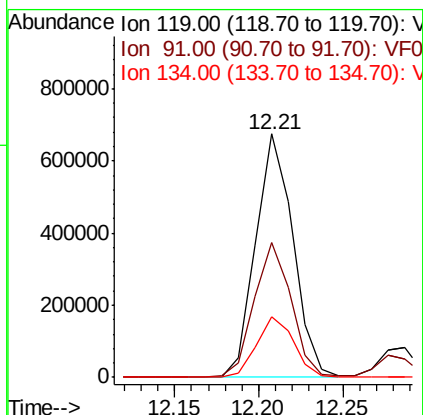
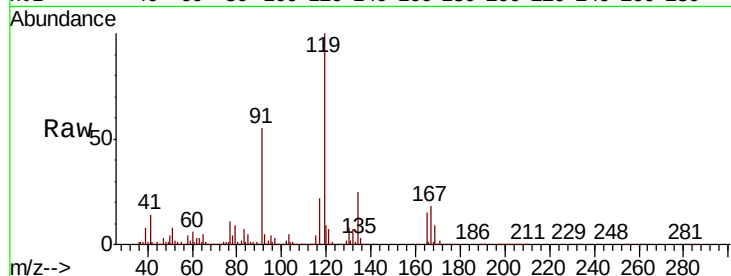




#83
tert-Butylbenzene
Concen: 47.725 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

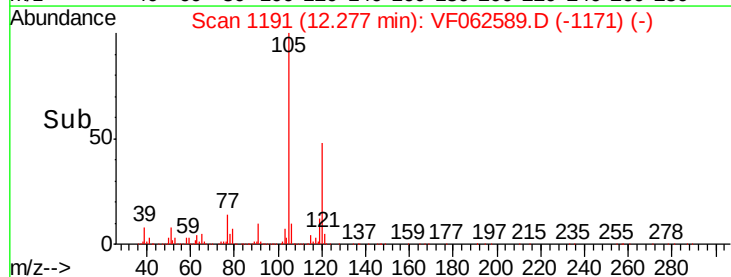
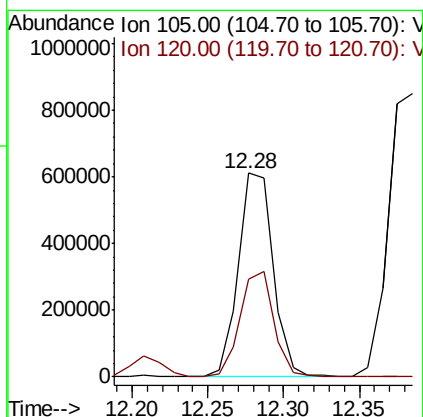
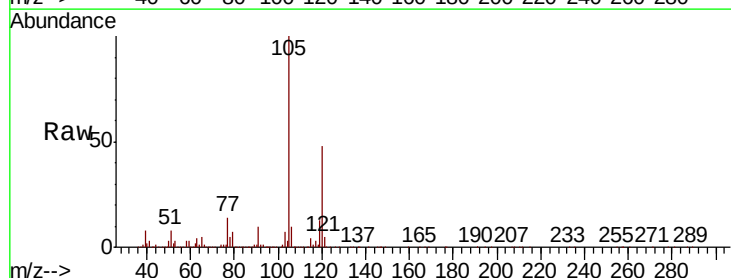
Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

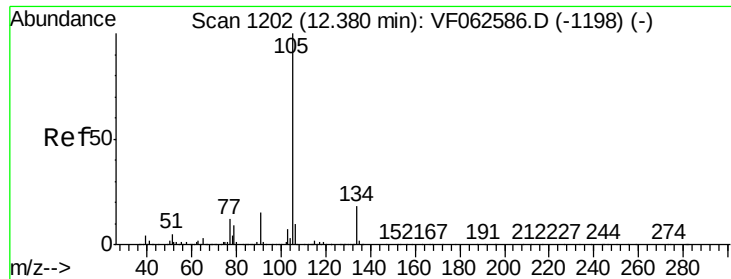
Tot Ion:119 Resp: 1039569
Ion Ratio Lower Upper
119 100
91 55.1 26.0 78.0
134 24.8 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 47.842 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion:105 Resp: 978643
Ion Ratio Lower Upper
105 100
120 48.1 25.4 76.0





#85

sec-Butylbenzene

Concen: 47.234 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

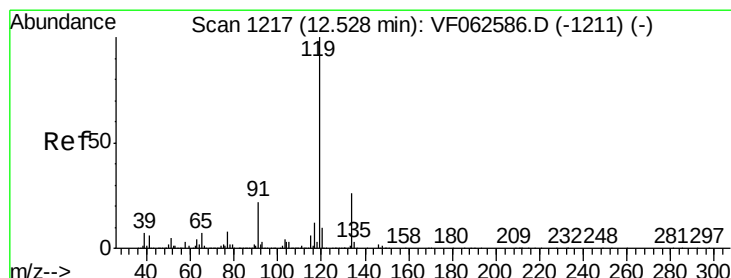
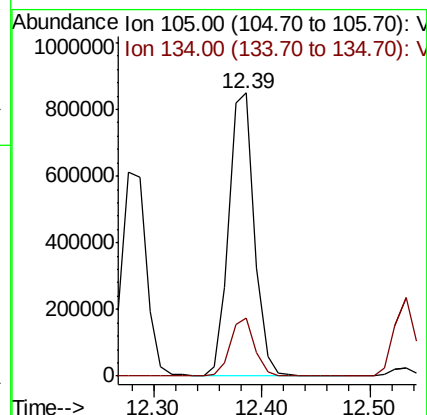
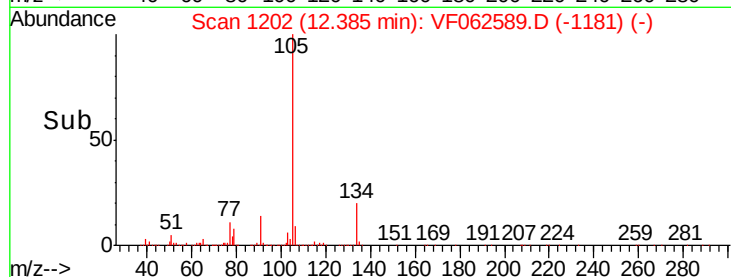
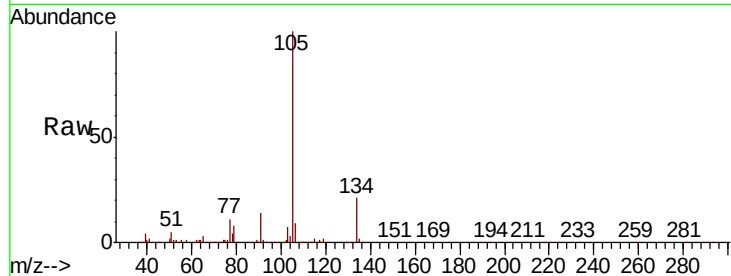
ICVVF051419

Tot Ion:105 Resp: 1396884

Ion Ratio Lower Upper

105 100

134 20.5 9.3 27.7



#86

p-Isopropyltoluene

Concen: 48.015 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

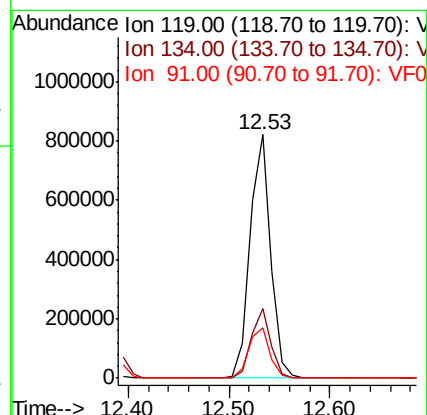
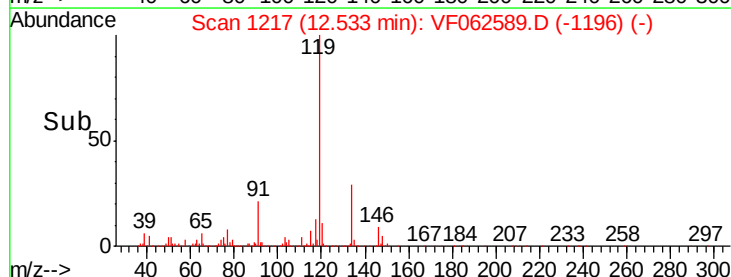
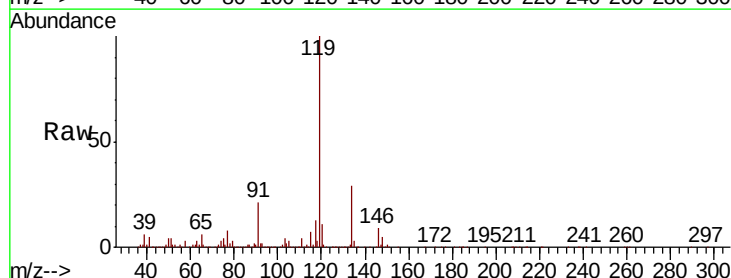
Tgt Ion:119 Resp: 1168870

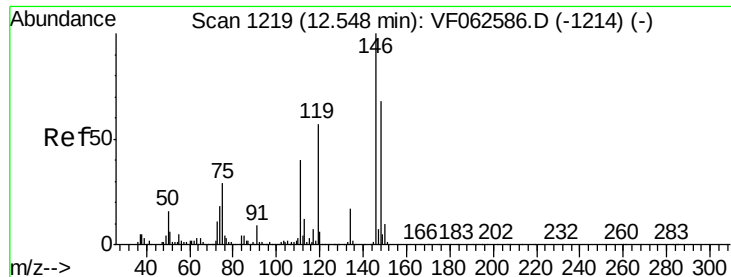
Ion Ratio Lower Upper

119 100

134 28.8 13.0 39.0

91 20.8 10.9 32.9

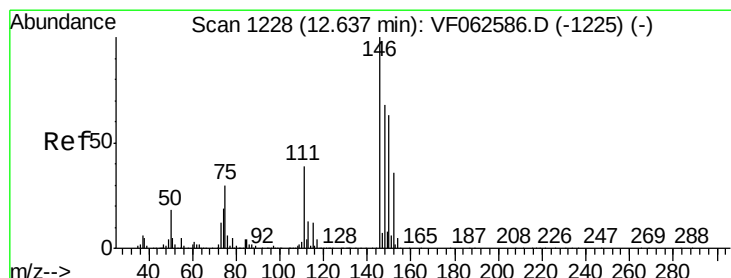
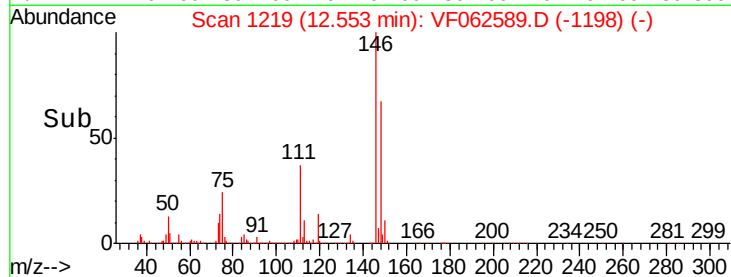
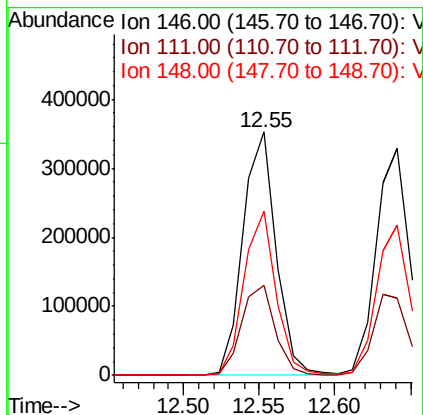
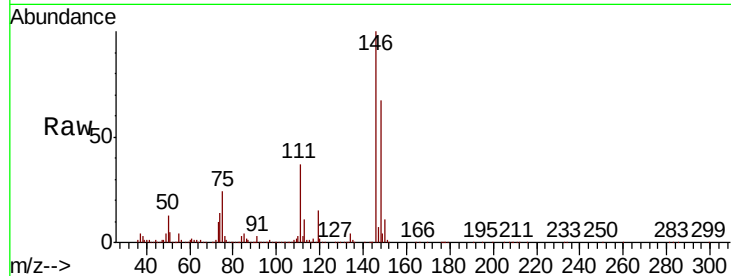




#87
 1,3-Dichlorobenzene
 Concen: 45.921 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

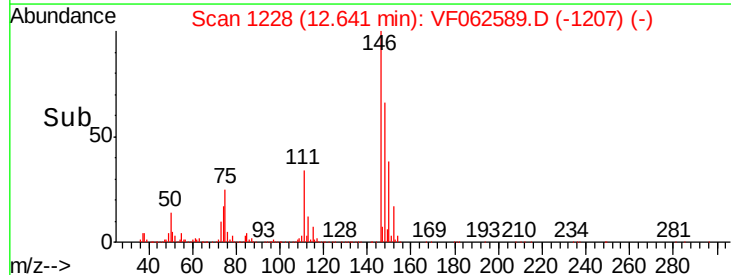
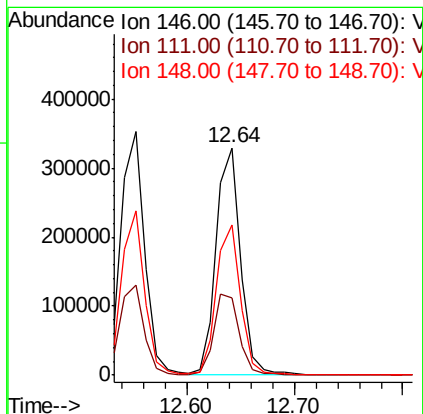
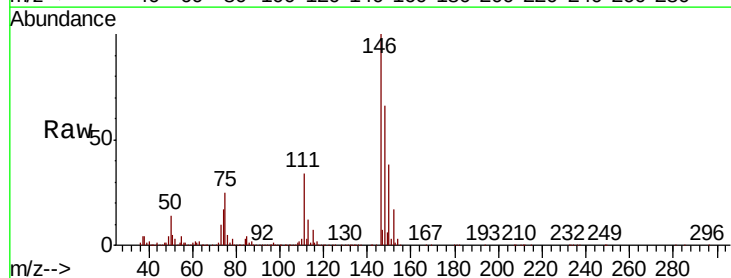
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051419

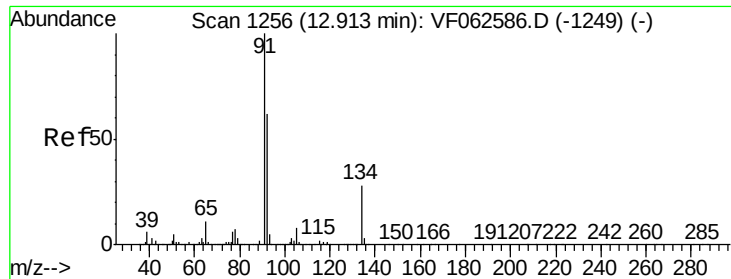
Tot Ion:146 Resp: 539951
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.1 60.2
 148 67.4 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 46.915 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion:146 Resp: 517477
 Ion Ratio Lower Upper
 146 100
 111 34.2 19.4 58.1
 148 66.1 34.2 102.5





#89

n-Butylbenzene

Concen: 47.388 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

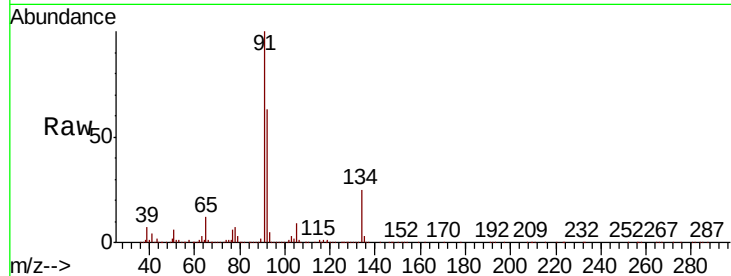
MSVOA_F

ClientSampleId :

ICVVF051419

Tot Ion: 91 Resp: 1174272

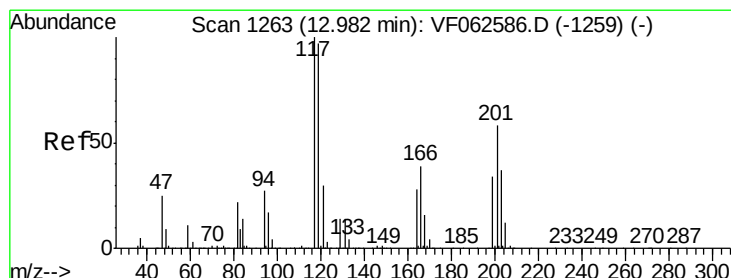
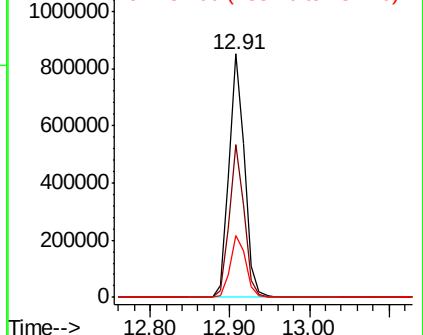
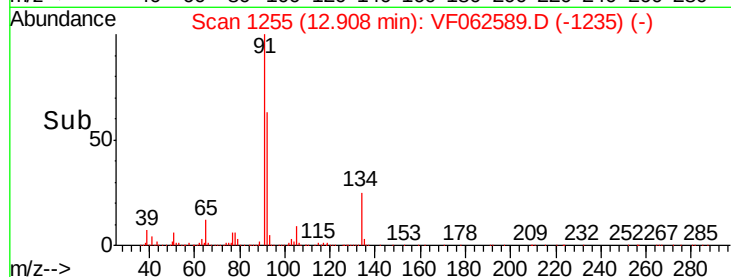
Ion	Ratio	Lower	Upper
91	100		
92	63.0	30.9	92.8
134	25.5	13.9	41.6



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: 46.950 ug/l

RT: 12.99 min Scan# 1263

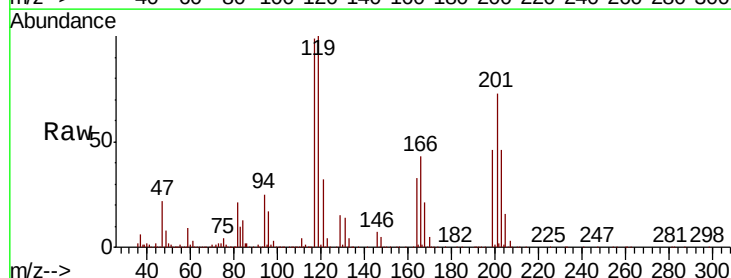
Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

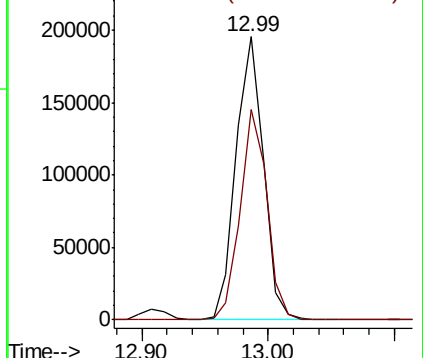
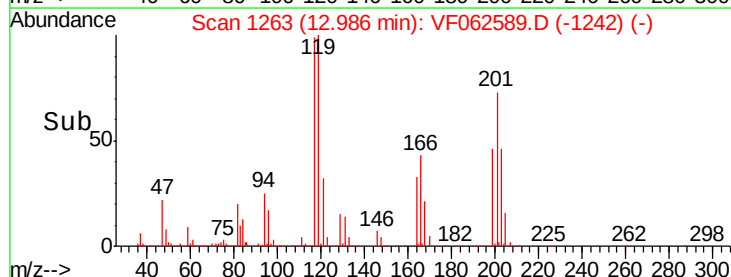
Tgt Ion: 117 Resp: 292766

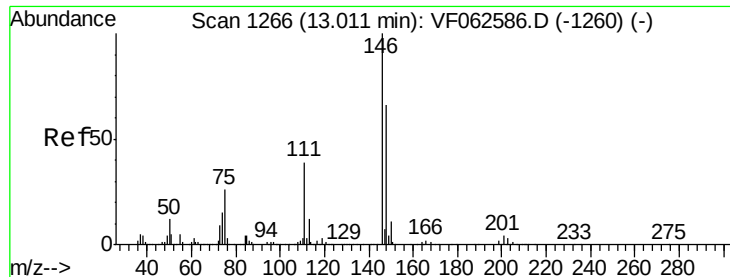
Ion	Ratio	Lower	Upper
117	100		
201	74.1	29.7	89.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 48.393 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051419

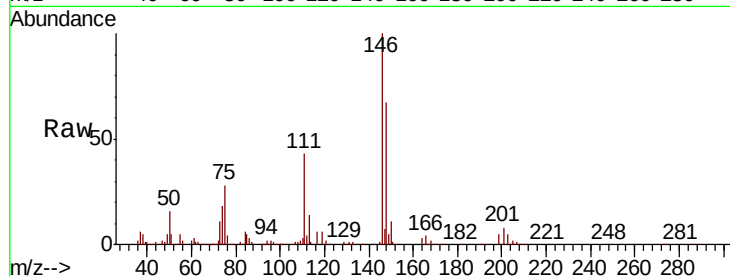
Tot Ion:146 Resp: 504802

Ion Ratio Lower Upper

146 100

111 43.1 19.4 58.2

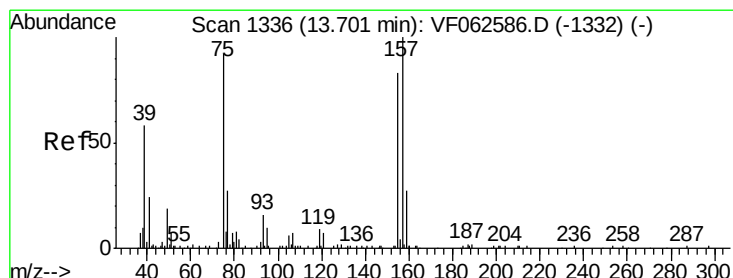
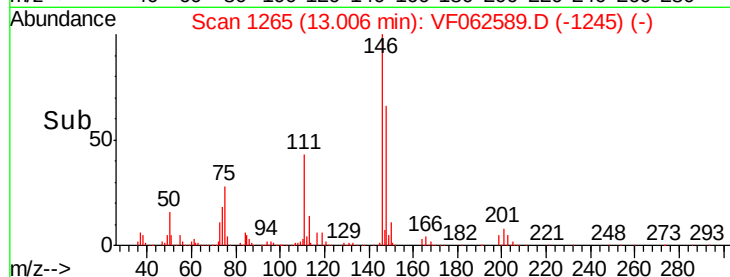
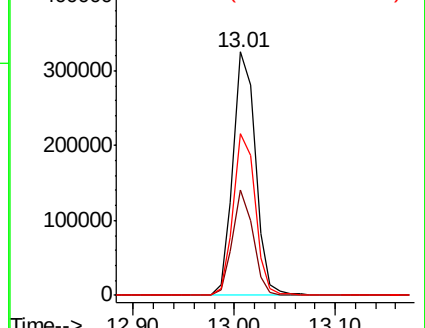
148 66.5 33.1 99.5



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: 49.126 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062589.D

Acq: 14 May 2019 18:49

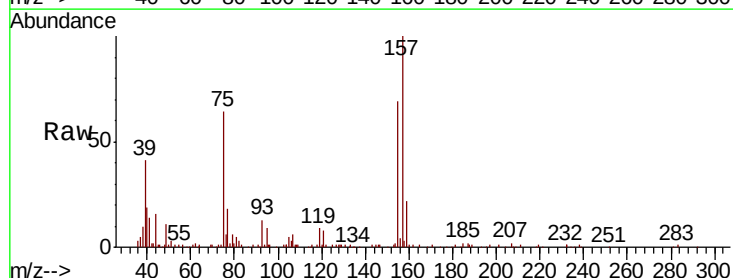
Tgt Ion: 75 Resp: 32887

Ion Ratio Lower Upper

75 100

155 106.8 44.8 134.4

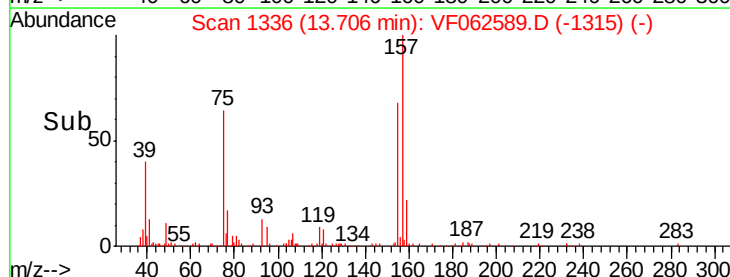
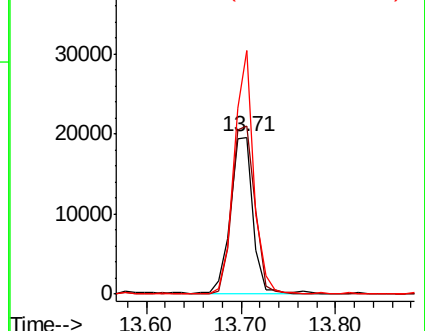
157 155.1 54.1 162.3

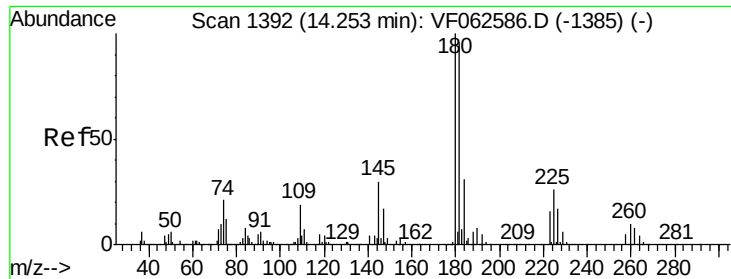


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

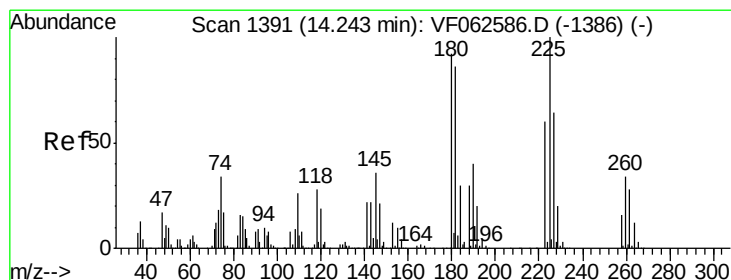
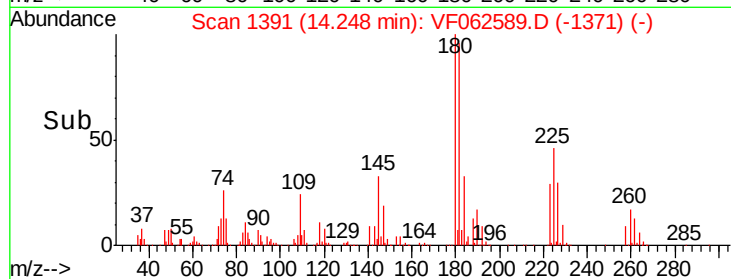
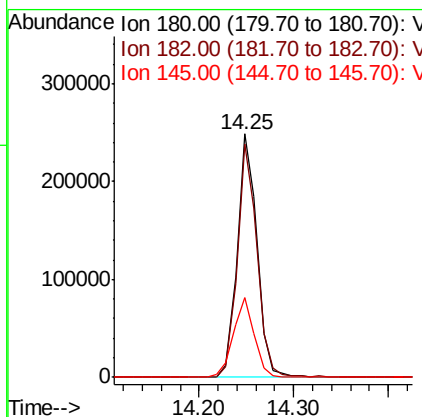
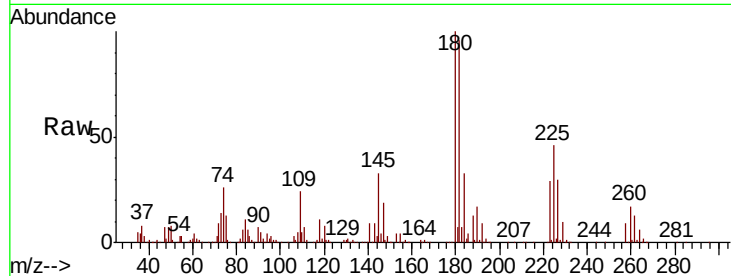




#93
 1,2,4-Trichlorobenzene
 Concen: 49.772 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

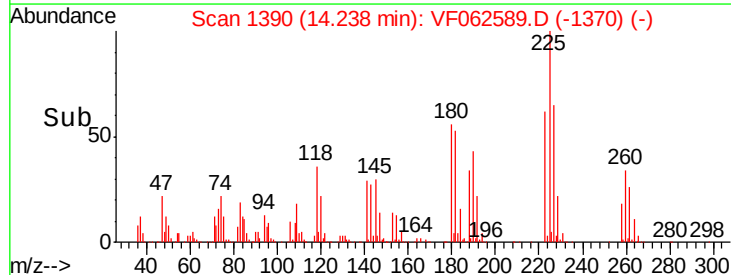
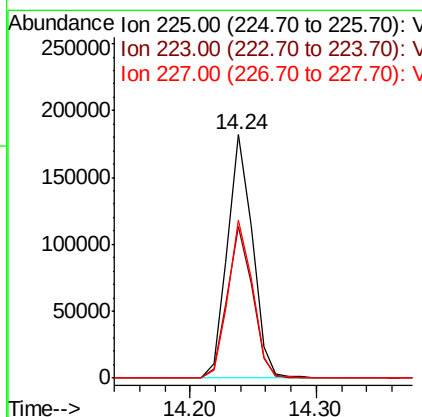
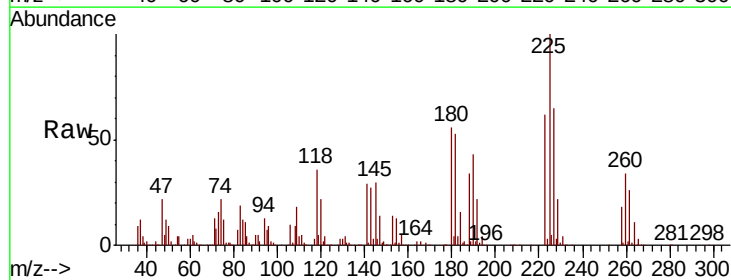
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051419

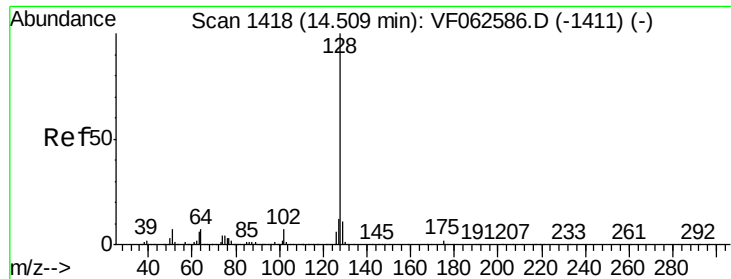
Tot Ion:180 Resp: 361038
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.9 143.8
 145 32.7 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 47.677 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062589.D
 Acq: 14 May 2019 18:49

Tgt Ion:225 Resp: 251229
 Ion Ratio Lower Upper
 225 100
 223 62.4 29.9 89.7
 227 64.8 31.9 95.9

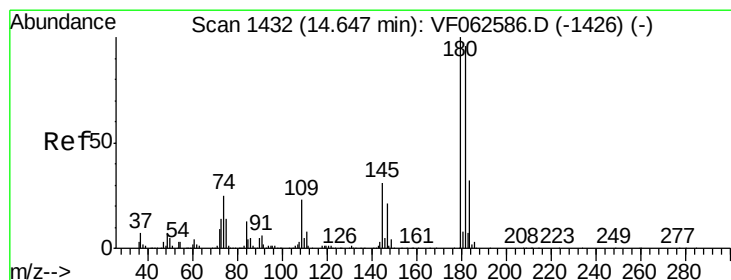
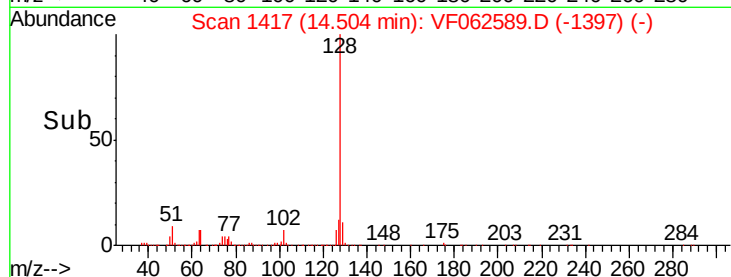
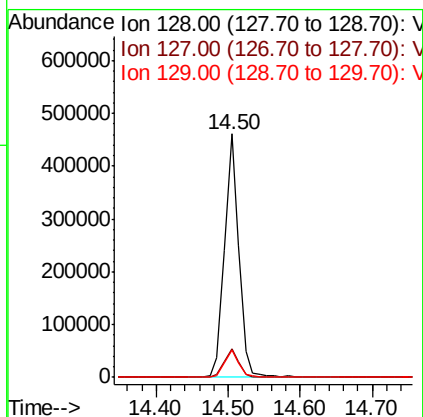
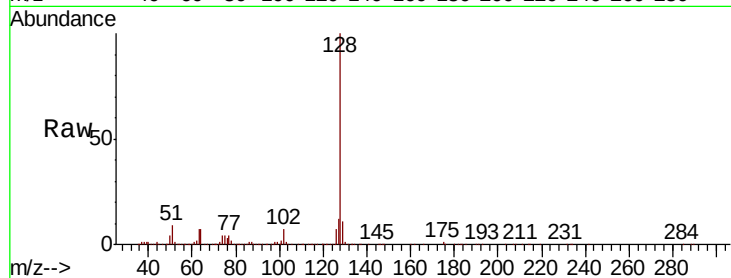




#95
Naphthalene
Concen: 53.676 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051419

Tot Ion:128 Resp: 633730
Ion Ratio Lower Upper
128 100
127 11.6 9.5 14.3
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.759 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062589.D
Acq: 14 May 2019 18:49

Tgt Ion:180 Resp: 334849
Ion Ratio Lower Upper
180 100
182 95.7 48.1 144.3
145 29.3 15.6 46.7

