

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062583.D
 Acq On : 14 May 2019 14:57
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: May 15 04:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	612273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1033797	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	748503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	349973	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	26401	3.98	ug/l	0.00
Spiked Amount			Recovery	=	7.96%	
35) Dibromofluoromethane	4.33	113	44075	5.72	ug/l	0.00
Spiked Amount			Recovery	=	11.44%	
50) Toluene-d8	7.74	98	103555	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
62) 4-Bromofluorobenzene	11.51	95	37429	4.33	ug/l	0.00
Spiked Amount			Recovery	=	8.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	44119	5.236	ug/l	95
3) Chloromethane	1.15	50	41491	5.653	ug/l	98
4) Vinyl Chloride	1.19	62	40215	5.529	ug/l	93
5) Bromomethane	1.40	94	22779	3.989	ug/l	80
6) Chloroethane	1.44	64	15770	4.199	ug/l #	82
7) Trichlorofluoromethane	1.55	101	52729	4.991	ug/l	97
8) Diethyl Ether	1.72	74	13180	5.892	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	36490	5.292	ug/l #	94
10) Methyl Iodide	1.98	142	71194	6.084	ug/l	96
11) Tert butyl alcohol	2.70	59	6570	21.119	ug/l #	29
12) 1,1-Dichloroethene	1.87	96	28248	4.525	ug/l	85
13) Acrolein	2.12	56	6016m	20.026	ug/l	
14) Allyl chloride	2.21	41	23887	3.028	ug/l	96
15) Acrylonitrile	3.11	53	20150	21.655	ug/l #	83
16) Acetone	2.37	43	24776	19.347	ug/l	90
17) Carbon Disulfide	1.92	76	94649	4.947	ug/l	97
18) Methyl Acetate	2.47	43	14579	4.699	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	48055	4.256	ug/l	95
20) Methylene Chloride	2.30	84	43293	5.775	ug/l #	91
21) trans-1,2-Dichloroethene	2.44	96	32016	5.700	ug/l	91
22) Diisopropyl ether	2.96	45	67607	3.709	ug/l	94
23) Vinyl Acetate	3.36	43	169947	19.394	ug/l	95
24) 1,1-Dichloroethane	3.03	63	53483	4.855	ug/l	99
25) 2-Butanone	4.56	43	55230	22.986	ug/l #	84
26) 2,2-Dichloropropane	3.80	77	30366	5.191	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	47235	6.349	ug/l	90
28) Bromochloromethane	3.92	49	31843	6.400	ug/l	93
29) Tetrahydrofuran	4.30	42	26032	25.100	ug/l	95
30) Chloroform	4.07	83	64985	4.895	ug/l	98
31) Cyclohexane	3.89	56	65785	6.052	ug/l #	79
32) 1,1,1-Trichloroethane	4.32	97	45579	5.209	ug/l #	77
36) 1,1-Dichloropropene	4.51	75	49490	4.427	ug/l	96
37) Ethyl Acetate	4.33	43	19721	3.813	ug/l #	79
38) Carbon Tetrachloride	4.21	117	39815	4.615	ug/l	87

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 Data File : VF062583.D
 Acq On : 14 May 2019 14:57
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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: May 15 04:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	5.66	83	60201	5.326	ug/l #	92
40) Benzene	4.85	78	147928	5.872	ug/l	94
41) Methacrylonitrile	4.96	41	10571	3.627	ug/l #	67
42) 1,2-Dichloroethane	5.16	62	29622	3.362	ug/l	95
43) Isopropyl Acetate	7.14	43	24935	4.467	ug/l #	86
44) Trichloroethene	5.71	130	38403	5.039	ug/l	83
45) 1,2-Dichloropropane	6.44	63	35755	5.964	ug/l	93
46) Dibromomethane	6.28	93	18832	4.716	ug/l	97
47) Bromodichloromethane	6.58	83	38588	3.660	ug/l #	98
48) Methyl methacrylate	6.90	41	12280	2.962	ug/l	98
49) 1,4-Dioxane	6.90	88	4058	150.446	ug/l #	68
51) 4-Methyl-2-Pentanone	8.43	43	86651	20.581	ug/l	95
52) Toluene	7.80	92	71335	4.565	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	31197	3.686	ug/l	93
54) cis-1,3-Dichloropropene	7.48	75	47347	4.508	ug/l #	92
55) 1,1,2-Trichloroethane	8.66	97	20810	4.760	ug/l	93
56) Ethyl methacrylate	8.77	69	23680	4.133	ug/l	90
57) 1,3-Dichloropropane	9.02	76	34860	4.735	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.48	63	32668	36.050	ug/l	99
59) 2-Hexanone	9.64	43	58183	19.625	ug/l	94
60) Dibromochloromethane	8.88	129	23218	3.729	ug/l	87
61) 1,2-Dibromoethane	9.16	107	19577	4.258	ug/l	98
64) Tetrachloroethene	8.33	164	29317	5.375	ug/l	98
65) Chlorobenzene	9.96	112	70033	4.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	26500	4.266	ug/l	89
67) Ethyl Benzene	10.05	91	129497	4.655	ug/l	99
68) m/p-Xylenes	10.28	106	87822	8.810	ug/l	83
69) o-Xylene	10.83	106	42157	4.204	ug/l	79
70) Styrene	10.91	104	67548	4.403	ug/l #	92
71) Bromoform	10.89	173	12260	3.864	ug/l	93
73) Isopropylbenzene	11.23	105	130207	4.609	ug/l	97
74) N-amyl acetate	11.46	43	28523	3.773	ug/l #	94
75) 1,1,1,2-Tetrachloroethane	11.78	83	28004	6.070	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	17949	5.183	ug/l	93
77) Bromobenzene	11.59	156	28203	4.715	ug/l	89
78) n-propylbenzene	11.69	91	162745	4.950	ug/l	94
79) 2-Chlorotoluene	11.81	91	87145	4.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	97506	4.142	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	6455m	4.635	ug/l	
82) 4-Chlorotoluene	11.99	91	81072	4.271	ug/l	99
83) tert-Butylbenzene	12.21	119	96608	4.054	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	99472	4.242	ug/l	94
85) sec-Butylbenzene	12.38	105	139298	4.588	ug/l	97
86) p-Isopropyltoluene	12.53	119	111258	4.124	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	58659	5.180	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	53847	4.691	ug/l	90
89) n-Butylbenzene	12.91	91	117554	4.481	ug/l	95
90) Hexachloroethane	12.98	117	29112	4.594	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	52592	4.905	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2943	3.073	ug/l #	51

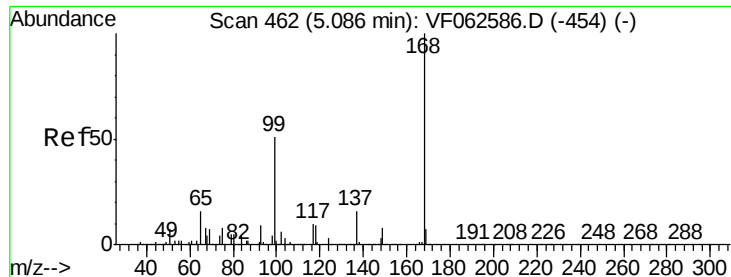
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
Data File : VF062583.D
Acq On : 14 May 2019 14:57
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: May 15 04:44:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 04:31:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	31629	4.042	ug/l	98
94) Hexachlorobutadiene	14.24	225	22622	4.454	ug/l	91
95) Naphthalene	14.50	128	45905	3.580	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.65	180	28391	4.159	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

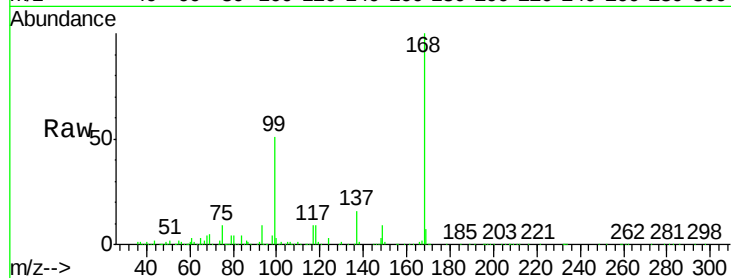
VSTDIC005

Tot Ion:168 Resp: 612273

Ion Ratio Lower Upper

168 100

99 51.2 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

200000

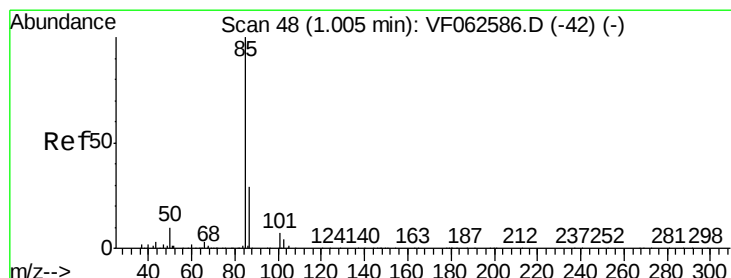
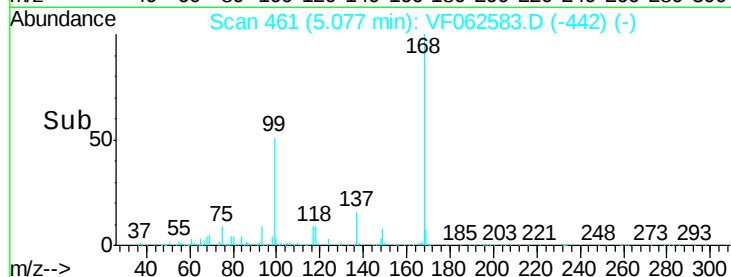
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.236 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062583.D

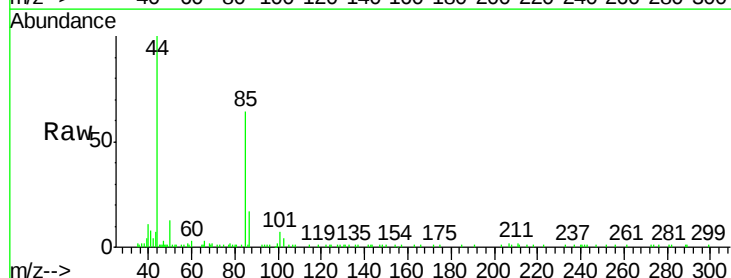
Acq: 14 May 2019 14:57

Tgt Ion: 85 Resp: 44119

Ion Ratio Lower Upper

85 100

87 26.8 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

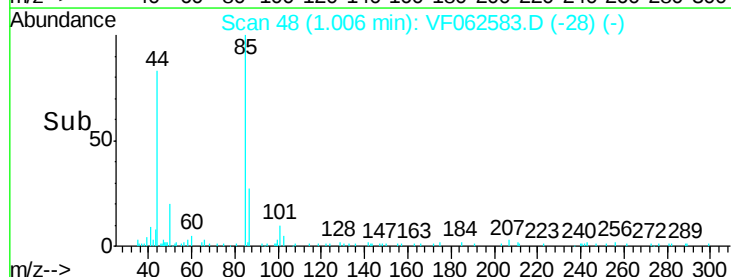
15000

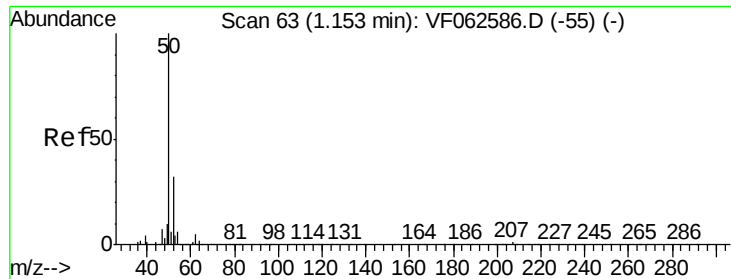
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.653 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

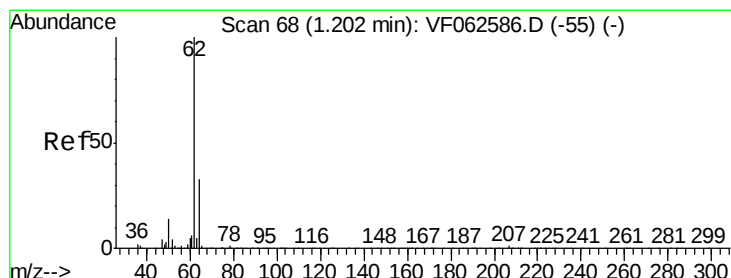
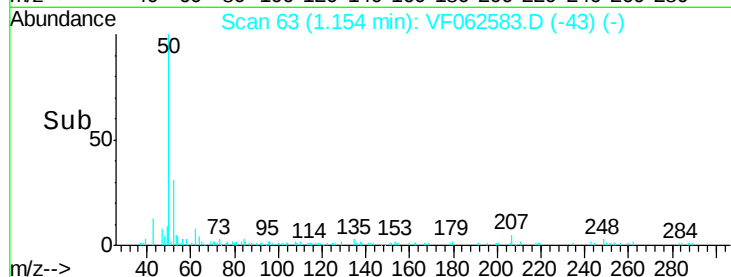
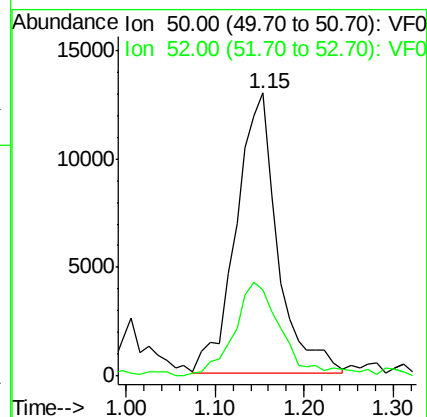
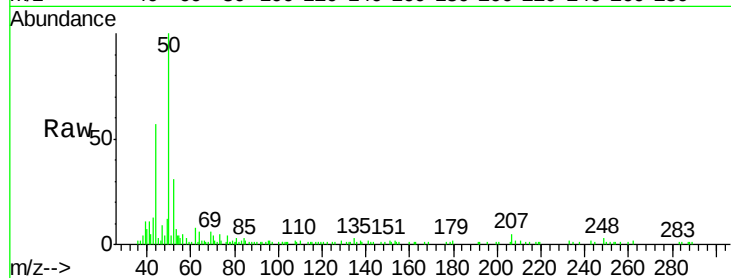
VSTDIC005

Tot Ion: 50 Resp: 41491

Ion Ratio Lower Upper

50 100

52 30.7 25.3 37.9



#4

Vinyl Chloride

Concen: 5.529 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062583.D

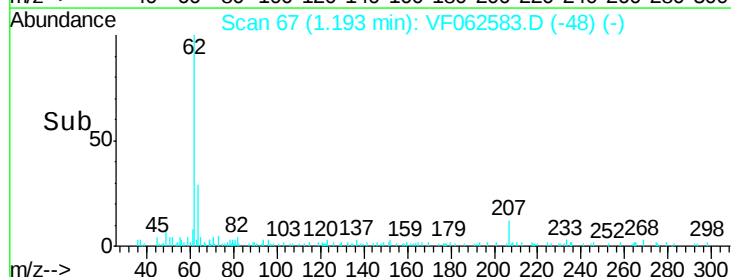
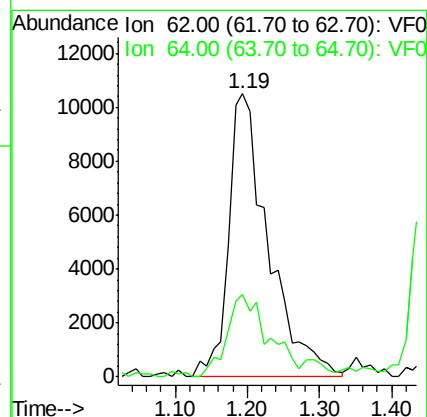
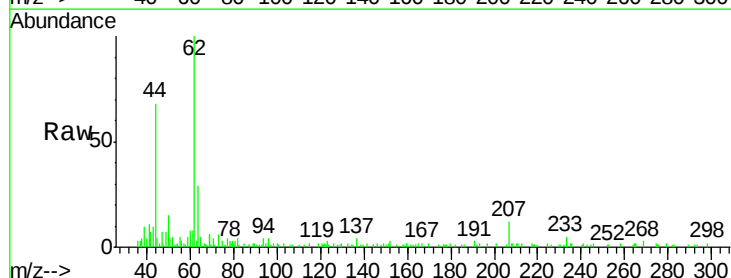
Acq: 14 May 2019 14:57

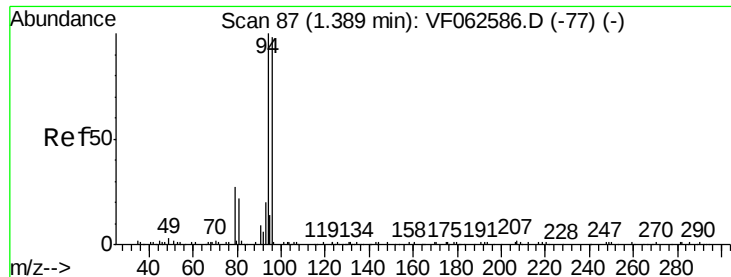
Tgt Ion: 62 Resp: 40215

Ion Ratio Lower Upper

62 100

64 29.1 26.5 39.7





#5

Bromomethane

Concen: 3.989 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

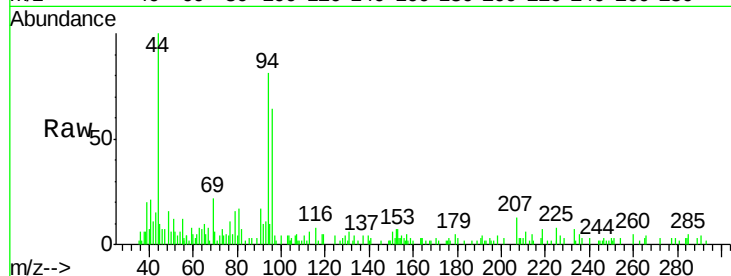
VSTDIC005

Tot Ion: 94 Resp: 22779

Ion Ratio Lower Upper

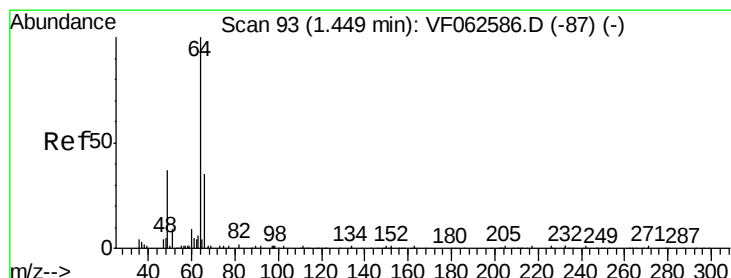
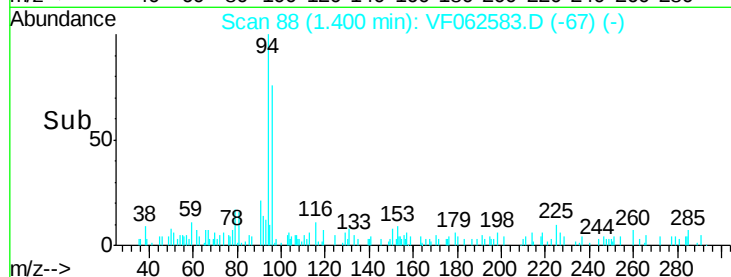
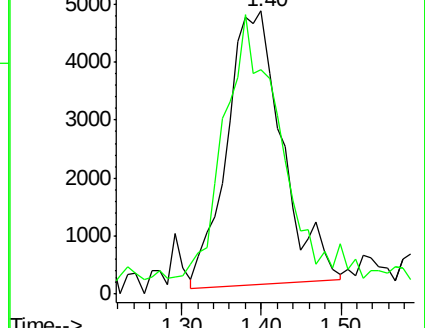
94 100

96 79.3 79.3 118.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 4.199 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062583.D

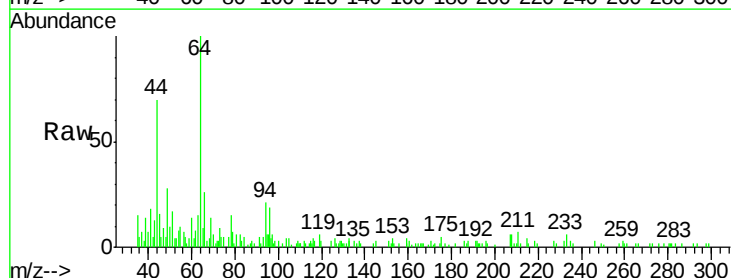
Acq: 14 May 2019 14:57

Tgt Ion: 64 Resp: 15770

Ion Ratio Lower Upper

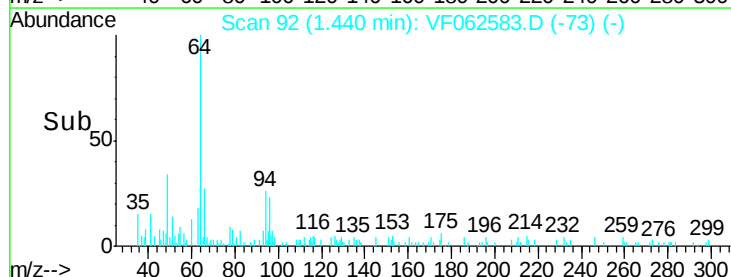
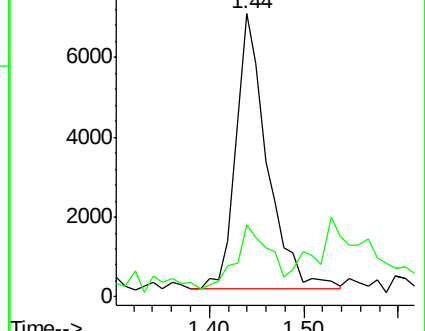
64 100

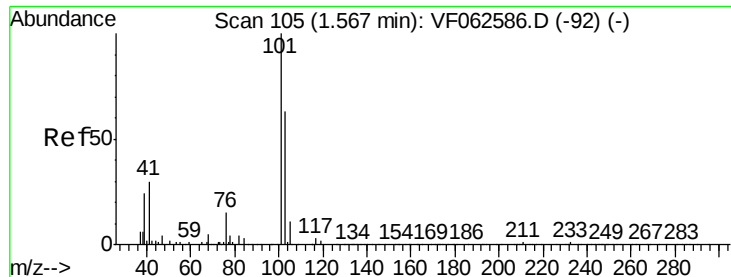
66 25.6 28.9 43.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



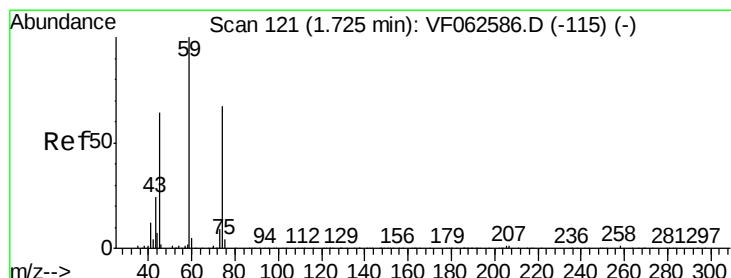
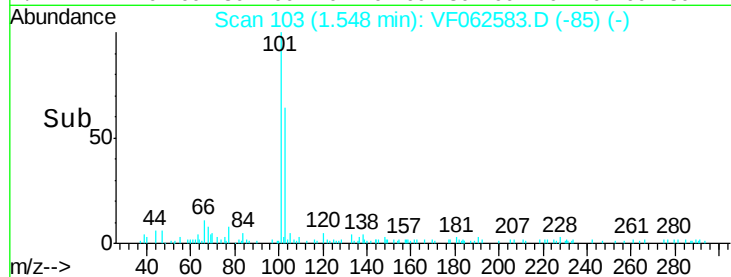
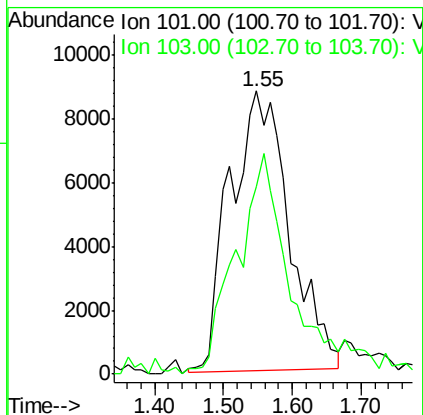
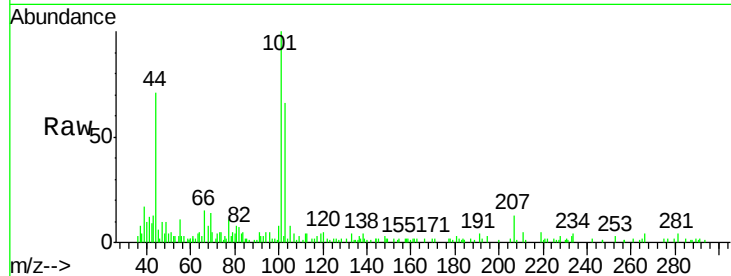


#7

Trichlorofluoromethane
Concen: 4.991 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

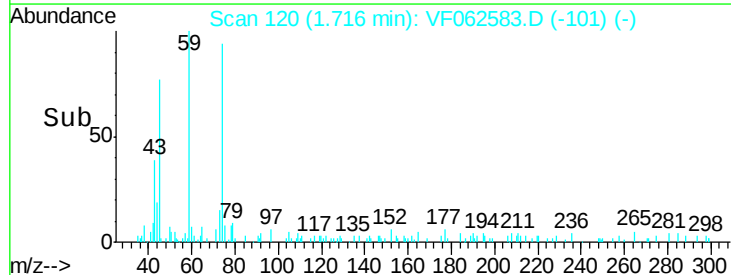
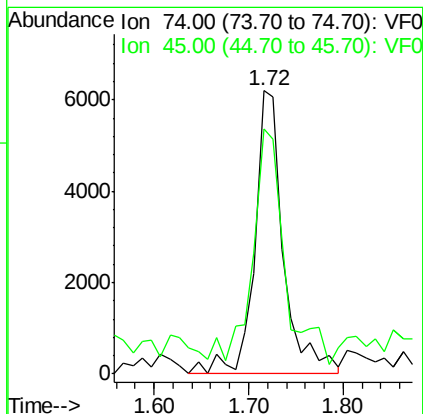
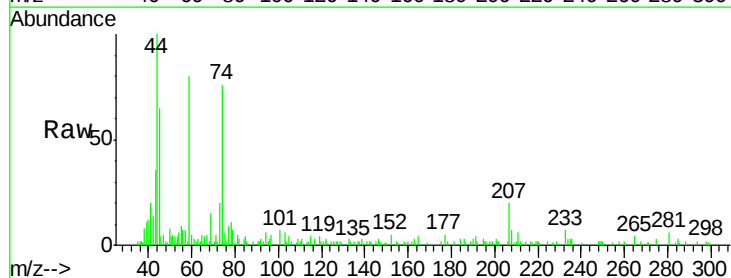
Tot Ion:101 Resp: 52729
Ion Ratio Lower Upper
101 100
103 66.1 50.8 76.2

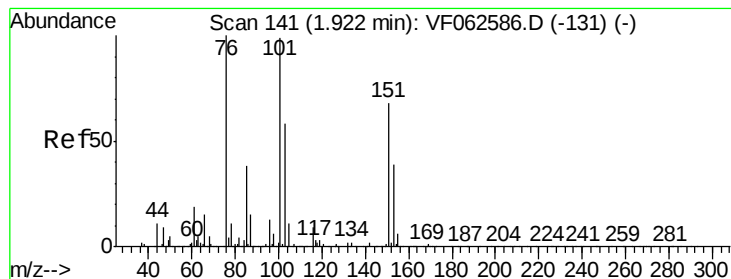


#8

Diethyl Ether
Concen: 5.892 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion: 74 Resp: 13180
Ion Ratio Lower Upper
74 100
45 86.5 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.292 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

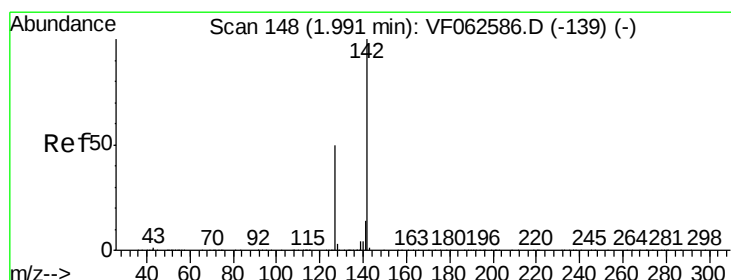
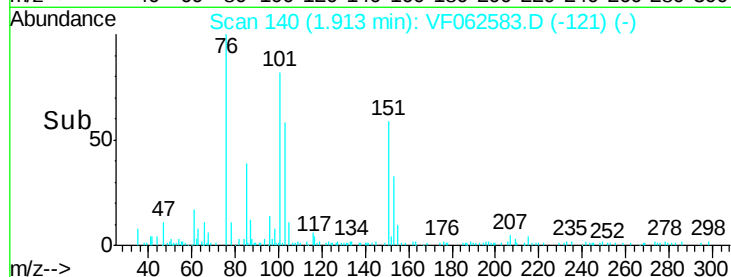
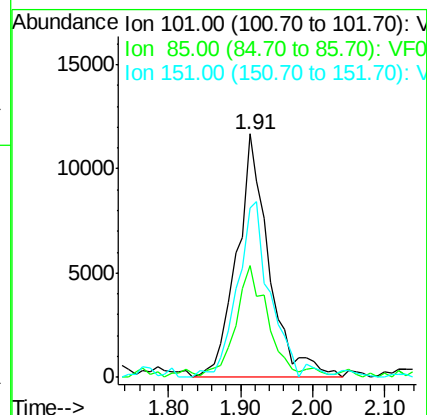
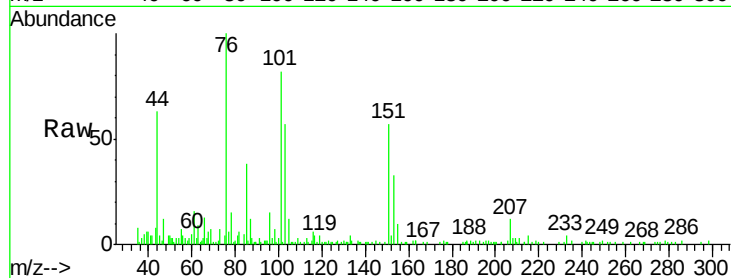
Tot Ion:101 Resp: 36490

Ion Ratio Lower Upper

101 100

85 46.0 30.2 45.4#

151 69.5 54.5 81.7



#10

Methyl Iodide

Concen: 6.084 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

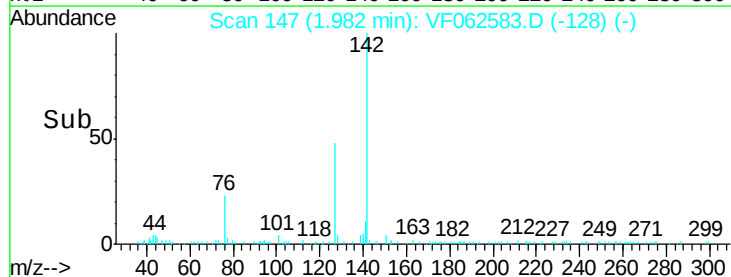
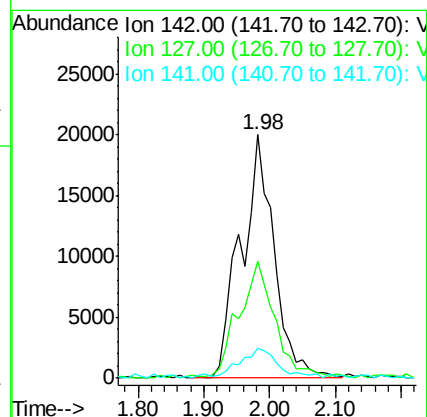
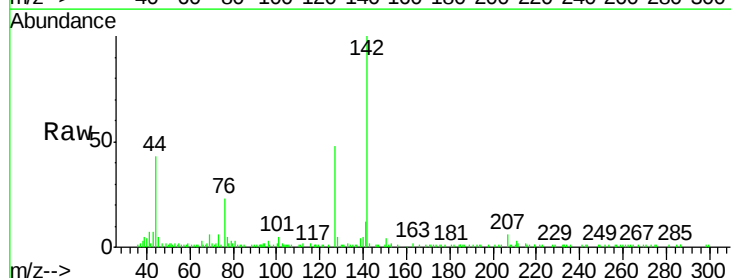
Tgt Ion:142 Resp: 71194

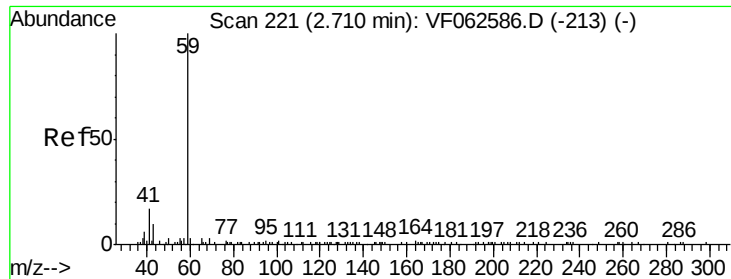
Ion Ratio Lower Upper

142 100

127 47.9 40.2 60.4

141 12.1 11.6 17.4

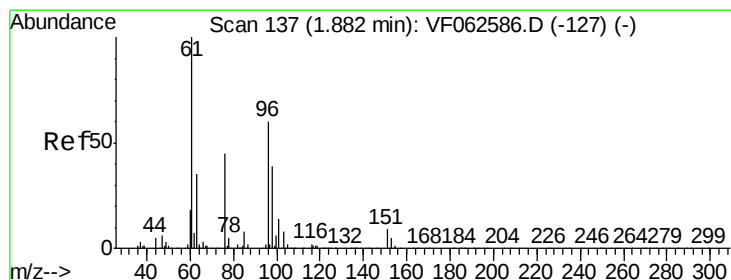
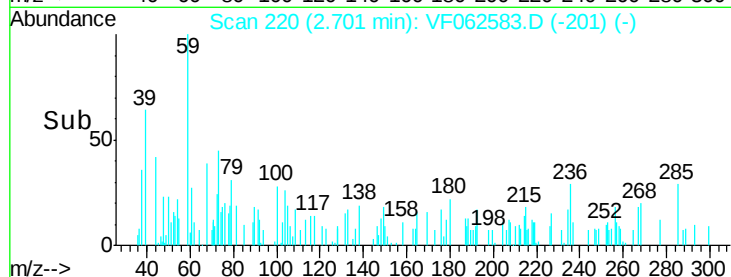
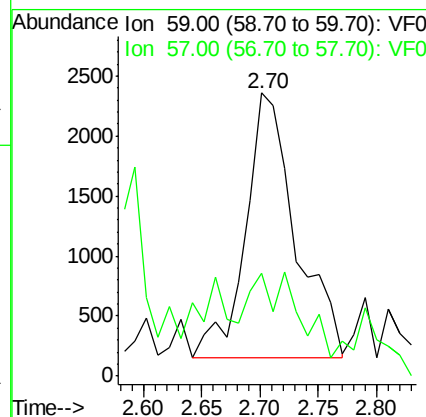
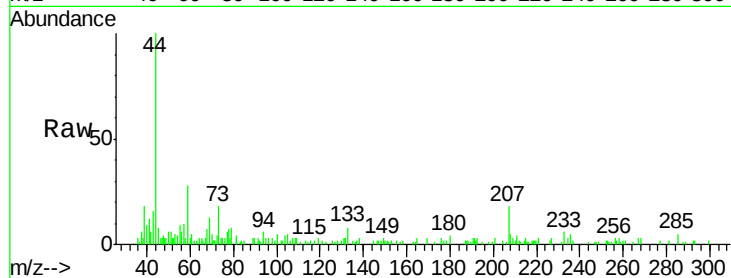




#11
Tert butyl alcohol
Concen: 21.119 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

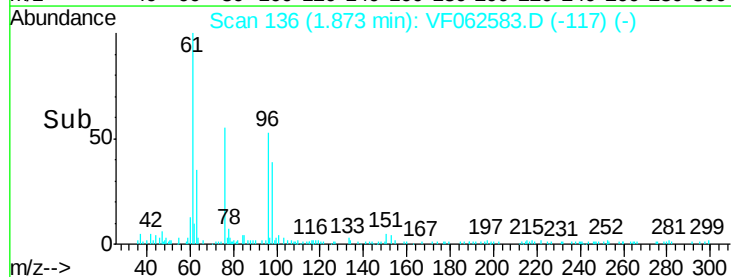
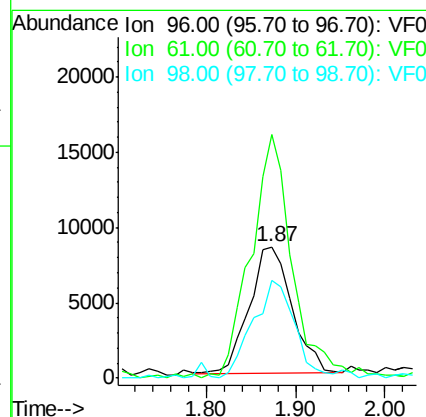
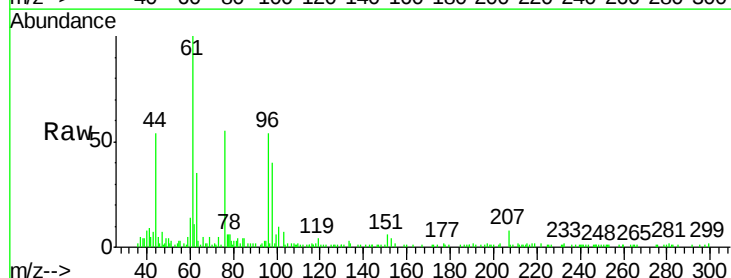
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

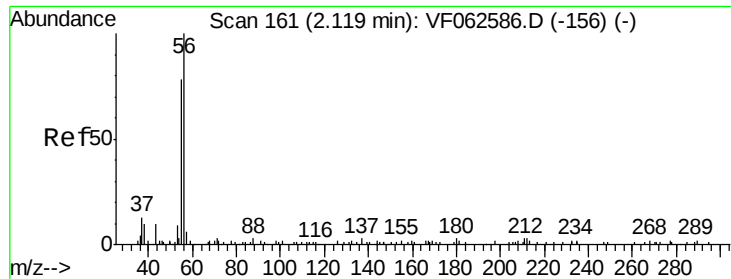
Tot Ion: 59 Resp: 6570
Ion Ratio Lower Upper
59 100
57 36.2 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 4.525 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion: 96 Resp: 28248
Ion Ratio Lower Upper
96 100
61 185.7 132.0 198.0
98 74.2 51.3 76.9





#13

Acrolein

Concen: 20.026 ug/l m

RT: 2.12 min Scan# 161

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

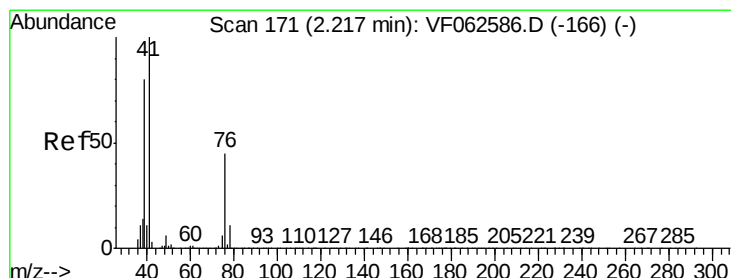
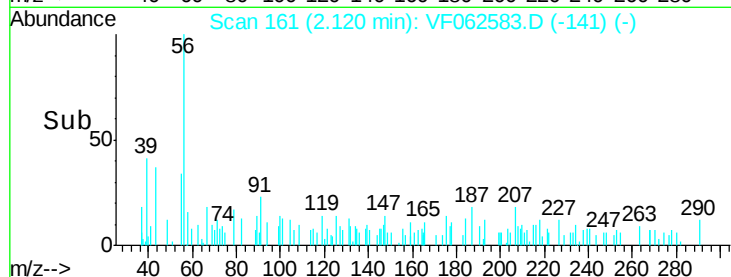
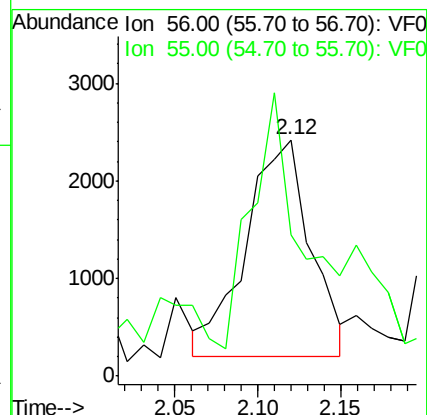
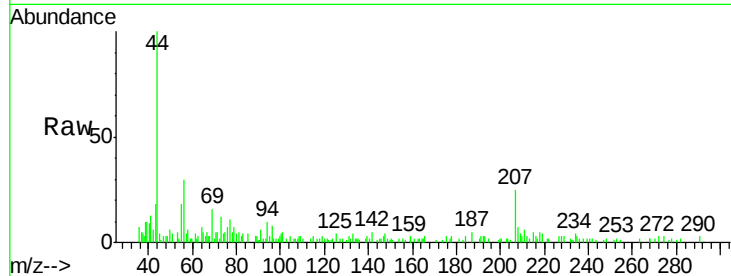
VSTDIC005

Tot Ion: 56 Resp: 6016

Ion Ratio Lower Upper

56 100

55 59.7 64.6 96.8#



#14

Allyl chloride

Concen: 3.028 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

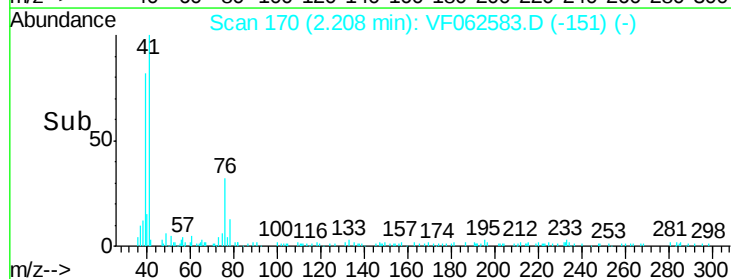
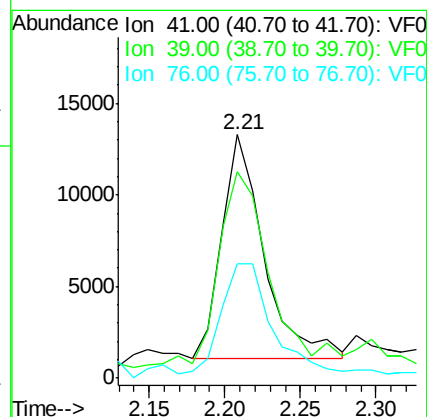
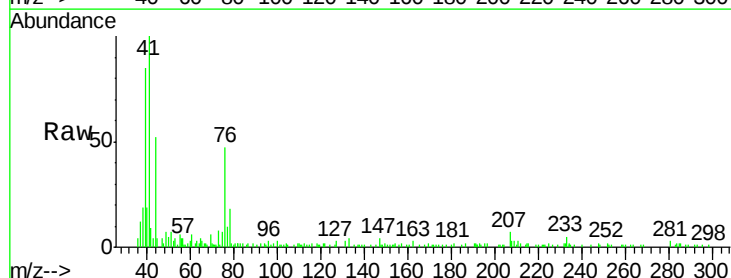
Tgt Ion: 41 Resp: 23887

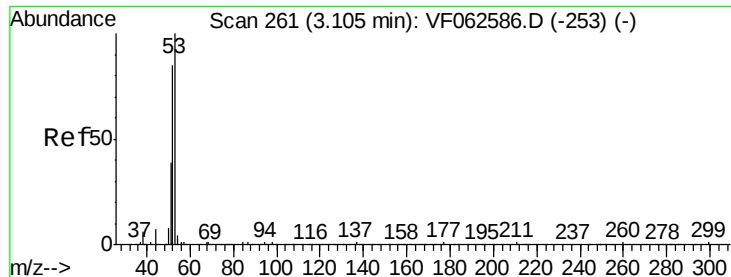
Ion Ratio Lower Upper

41 100

39 85.0 64.6 96.8

76 47.0 36.1 54.1





#15

Acrylonitrile

Concen: 21.655 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

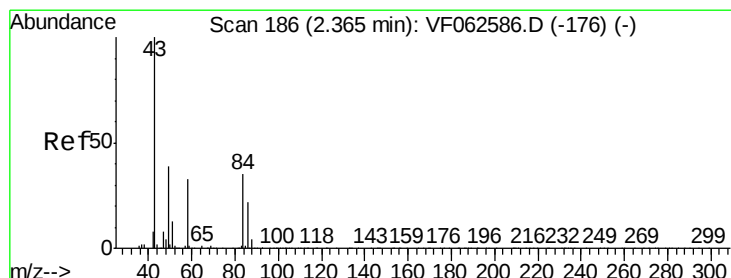
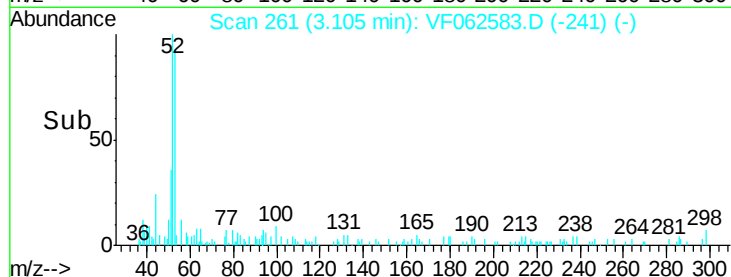
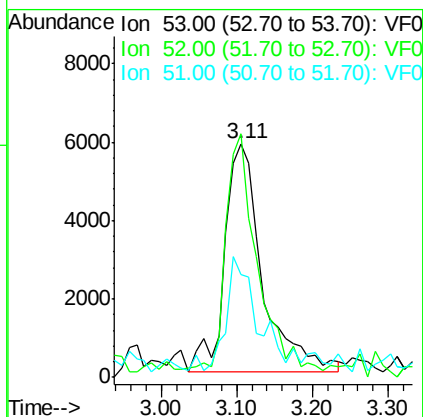
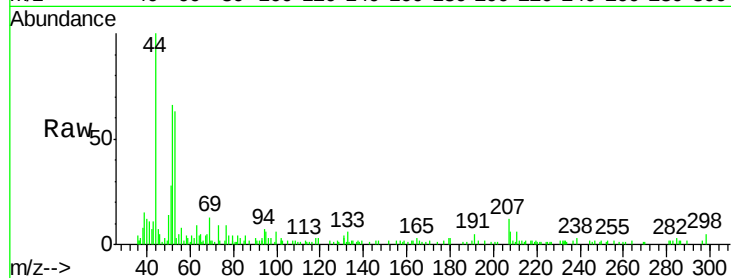
Tot Ion: 53 Resp: 20150

Ion Ratio Lower Upper

53 100

52 104.3 68.3 102.5#

51 43.9 31.5 47.3



#16

Acetone

Concen: 19.347 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062583.D

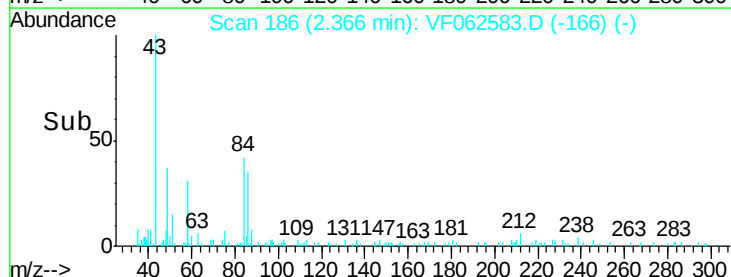
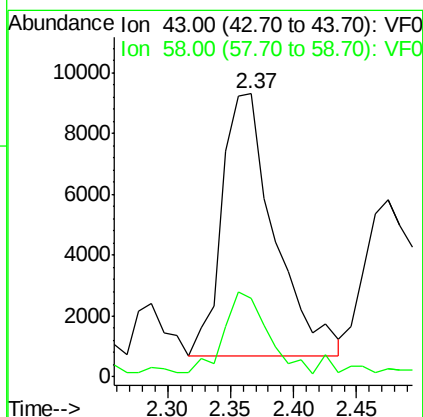
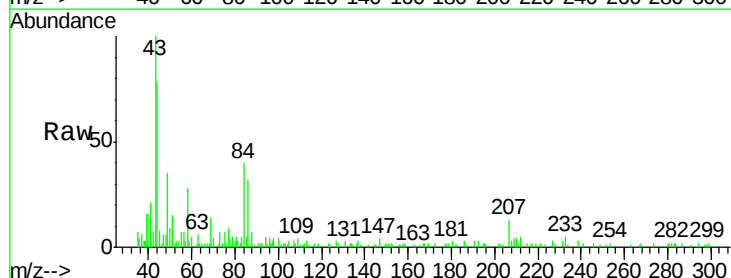
Acq: 14 May 2019 14:57

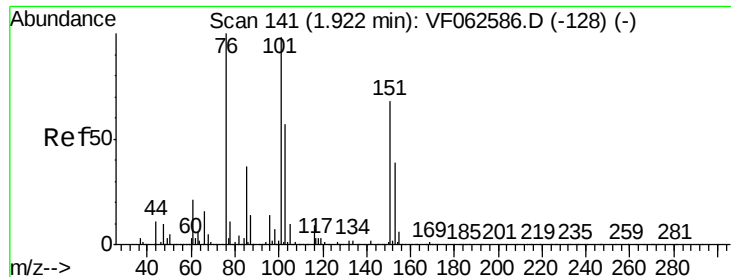
Tgt Ion: 43 Resp: 24776

Ion Ratio Lower Upper

43 100

58 28.0 26.7 40.1





#17

Carbon Disulfide

Concen: 4.947 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

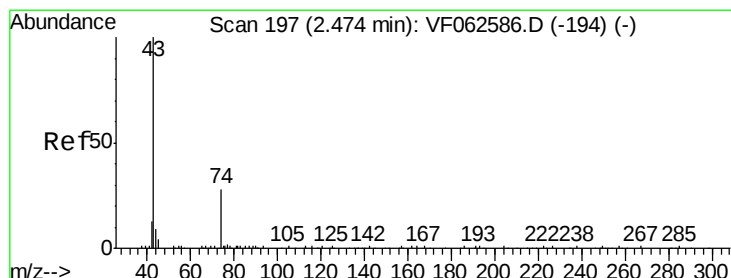
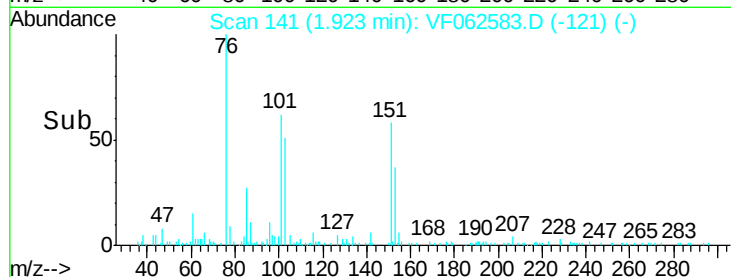
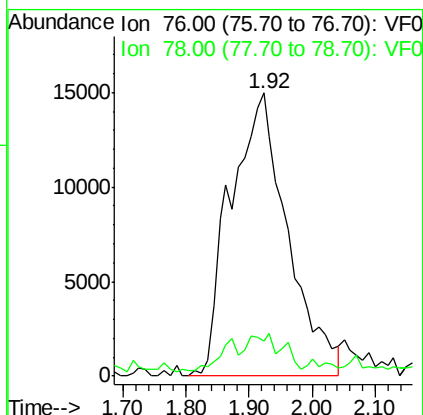
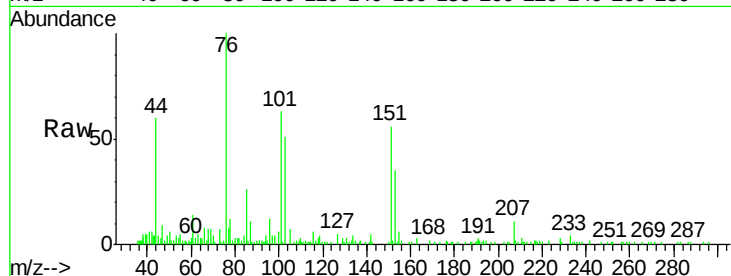
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 94649

Ion Ratio Lower Upper

76 100

78 12.4 9.0 13.4



#18

Methyl Acetate

Concen: 4.699 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062583.D

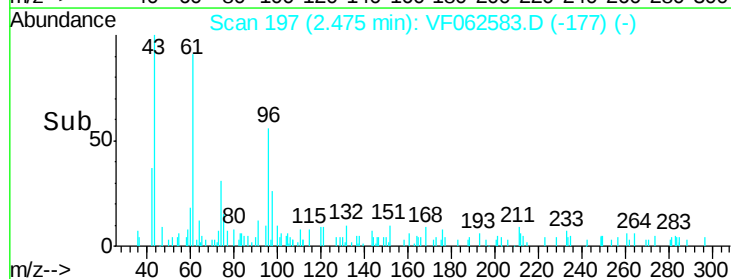
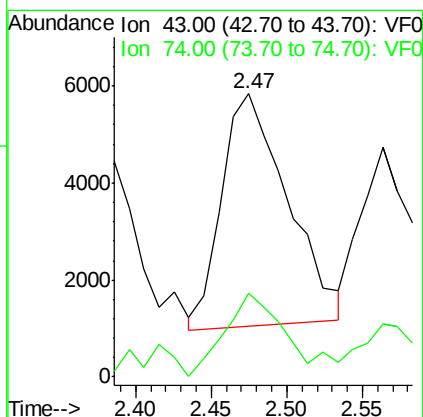
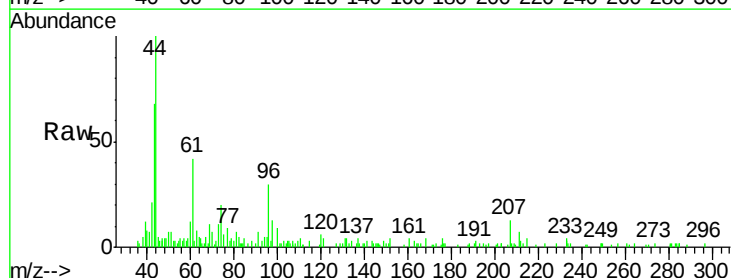
Acq: 14 May 2019 14:57

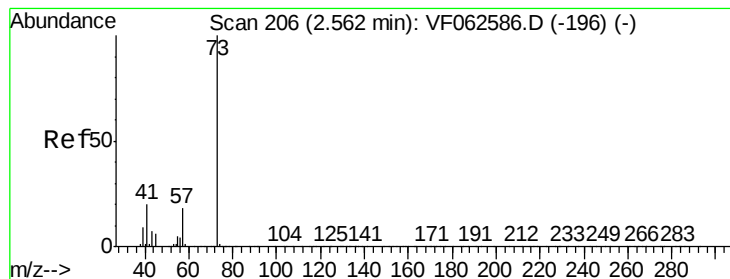
Tgt Ion: 43 Resp: 14579

Ion Ratio Lower Upper

43 100

74 29.4 21.4 32.0



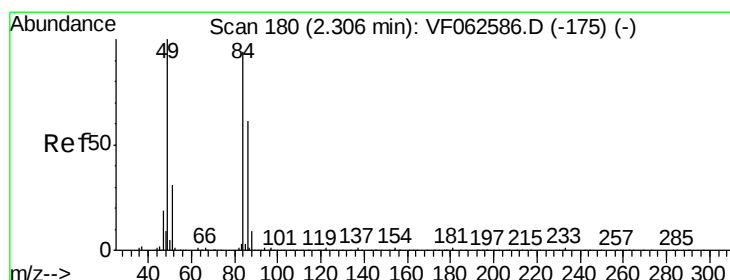
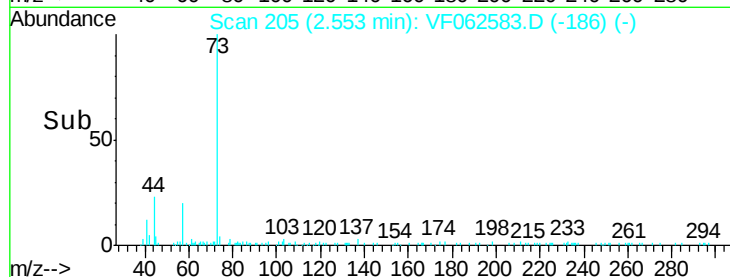
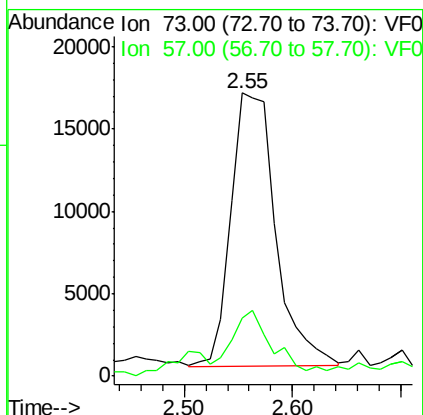
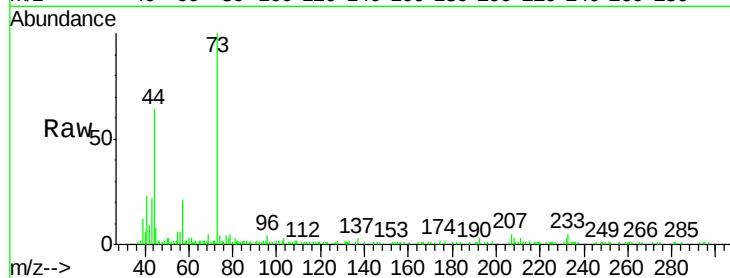


#19

Methyl tert-butyl Ether
 Concen: 4.256 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

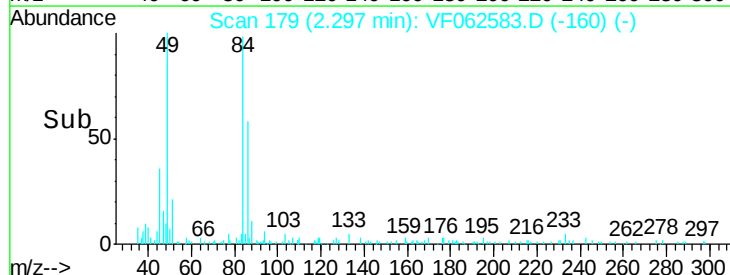
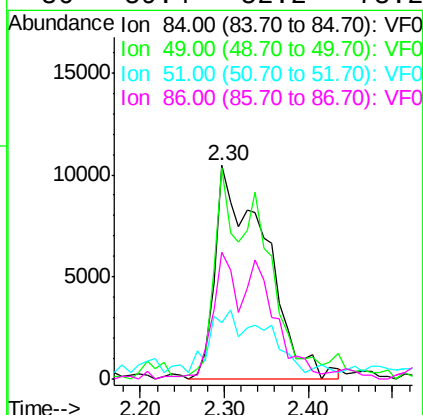
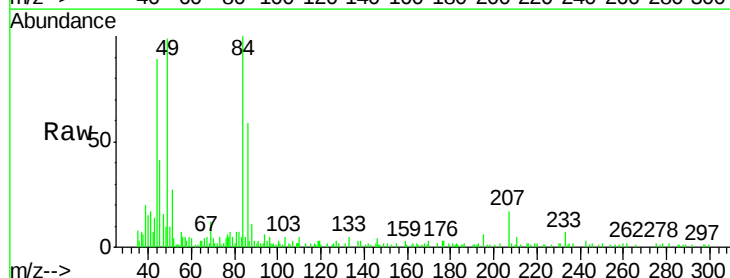
Tot Ion: 73 Resp: 48055
 Ion Ratio Lower Upper
 73 100
 57 20.6 14.6 22.0

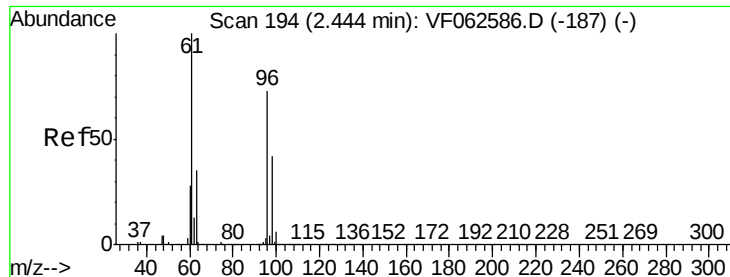


#20

Methylene Chloride
 Concen: 5.775 ug/l
 RT: 2.30 min Scan# 179
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion: 84 Resp: 43293
 Ion Ratio Lower Upper
 84 100
 49 99.0 86.9 130.3
 51 26.6 27.0 40.6#
 86 59.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 5.700 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

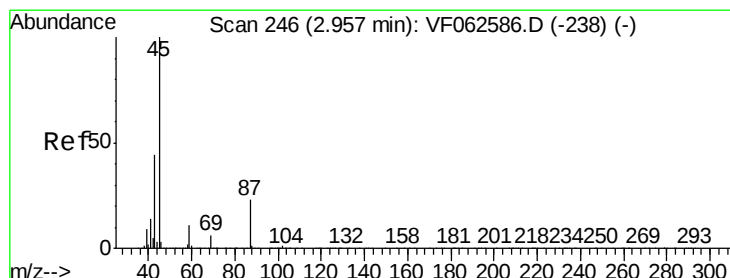
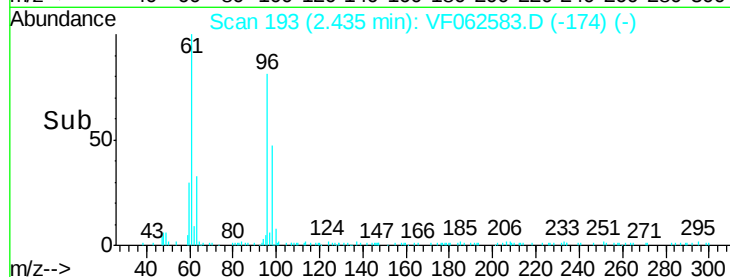
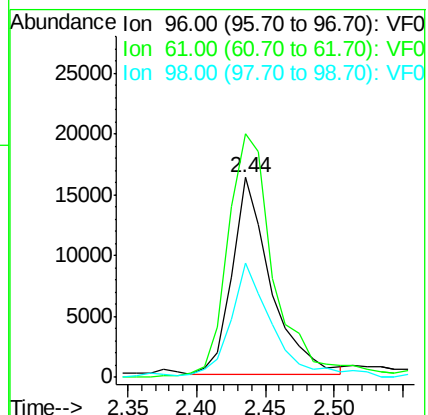
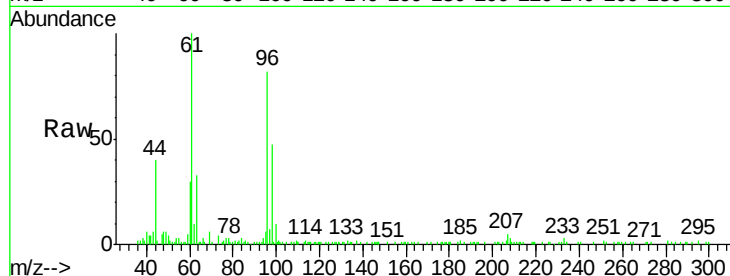
Tot Ion: 96 Resp: 32016

Ion Ratio Lower Upper

96 100

61 121.7 109.2 163.8

98 58.6 46.3 69.5



#22

Diisopropyl ether

Concen: 3.709 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Tgt Ion: 45 Resp: 67607

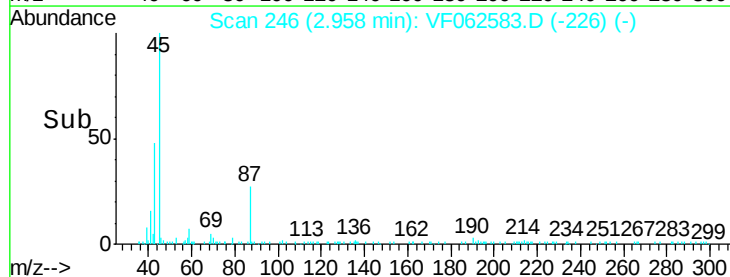
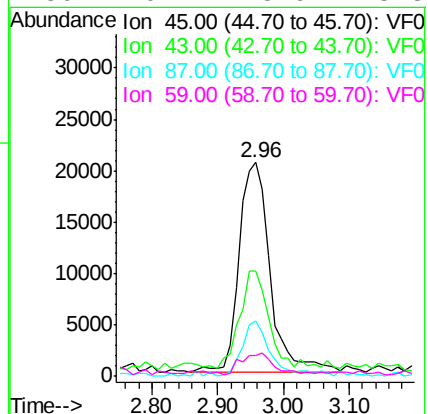
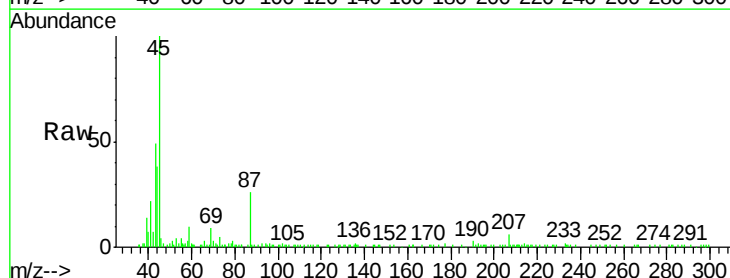
Ion Ratio Lower Upper

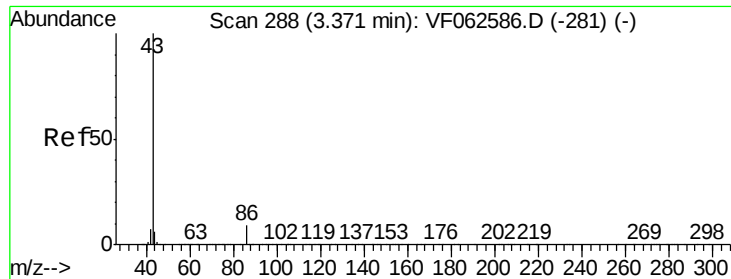
45 100

43 49.0 35.4 53.0

87 25.9 18.4 27.6

59 9.7 8.9 13.3

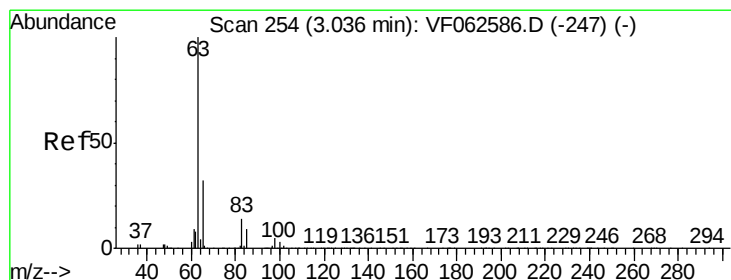
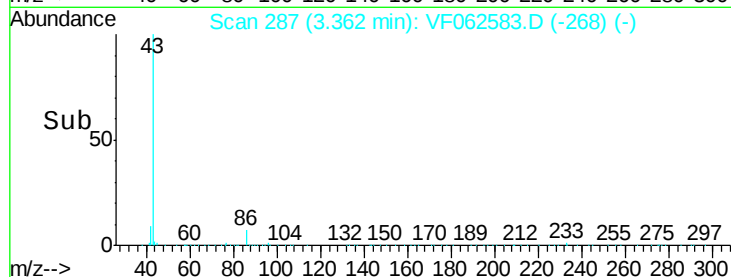
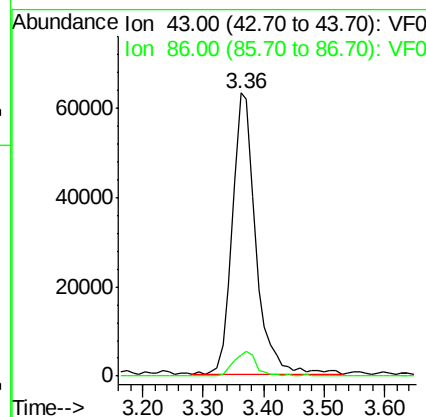
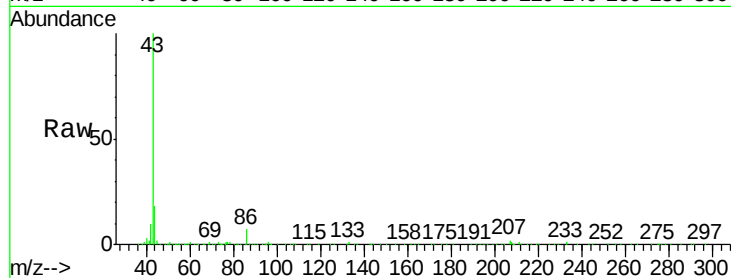




#23
 Vinyl Acetate
 Concen: 19.394 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

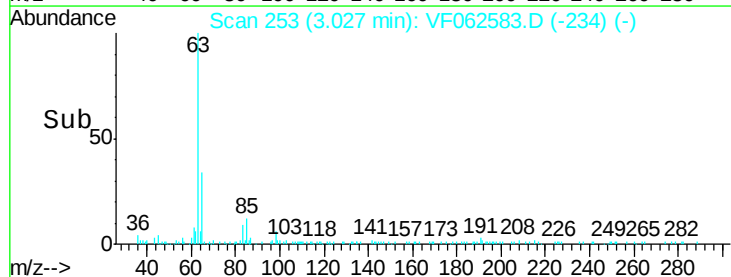
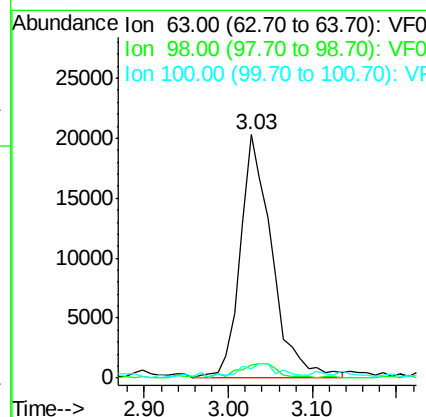
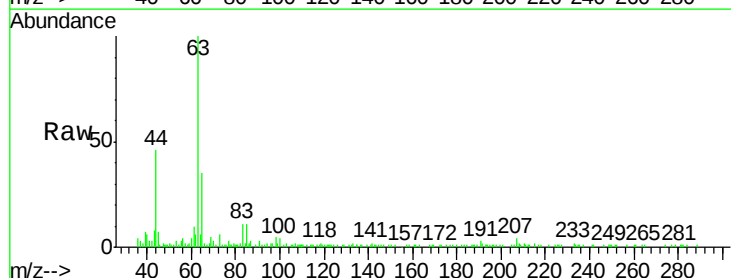
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

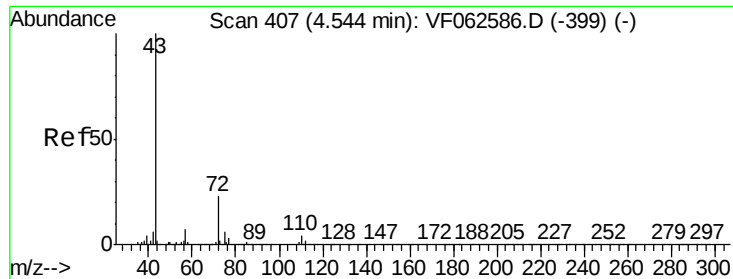
Tot Ion: 43 Resp: 169947
 Ion Ratio Lower Upper
 43 100
 86 7.3 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 4.855 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion: 63 Resp: 53483
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.6 7.8
 100 4.0 1.7 5.1





#25

2-Butanone

Concen: 22.986 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.02 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

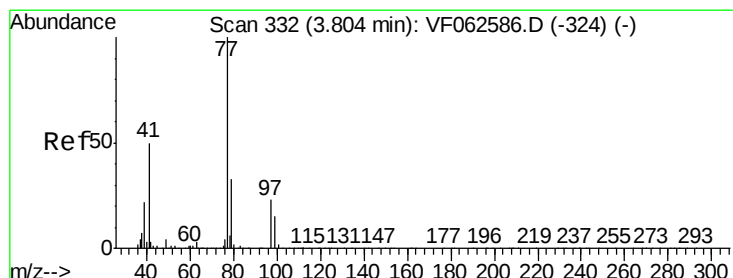
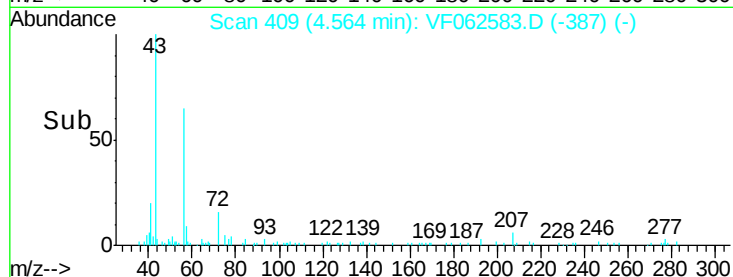
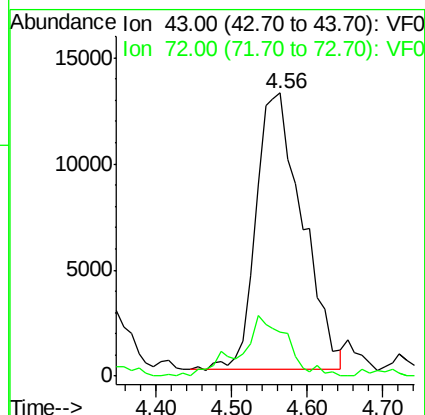
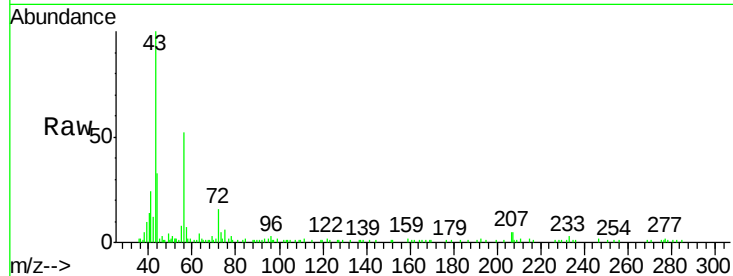
VSTDIC005

Tot Ion: 43 Resp: 55230

Ion Ratio Lower Upper

43 100

72 15.5 18.5 27.7#



#26

2,2-Dichloropropane

Concen: 5.191 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062583.D

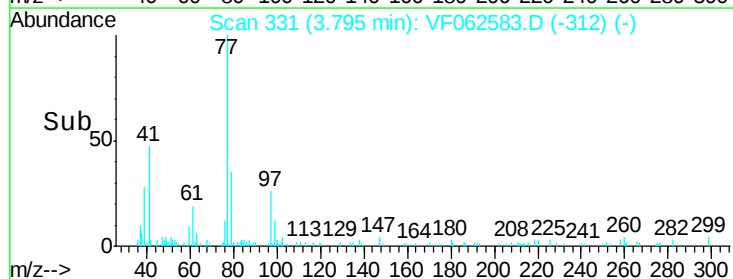
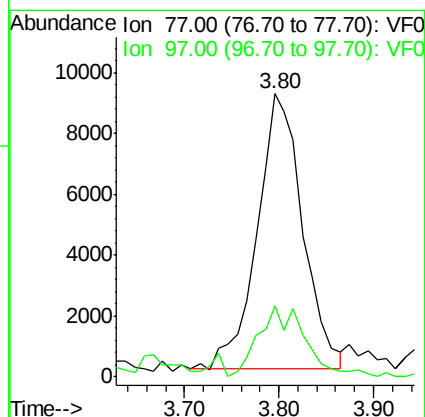
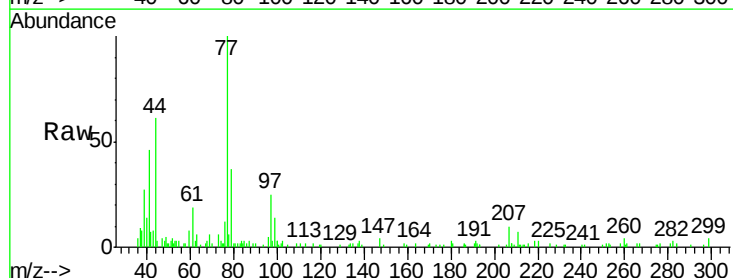
Acq: 14 May 2019 14:57

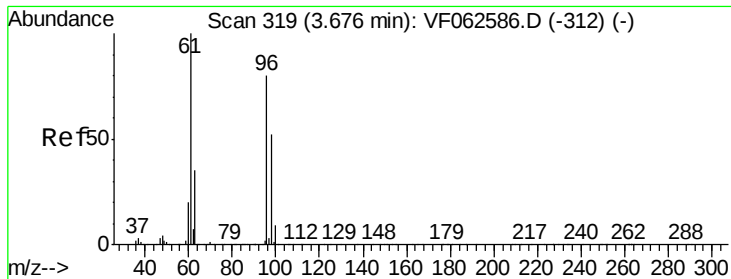
Tgt Ion: 77 Resp: 30366

Ion Ratio Lower Upper

77 100

97 25.0 12.0 36.0



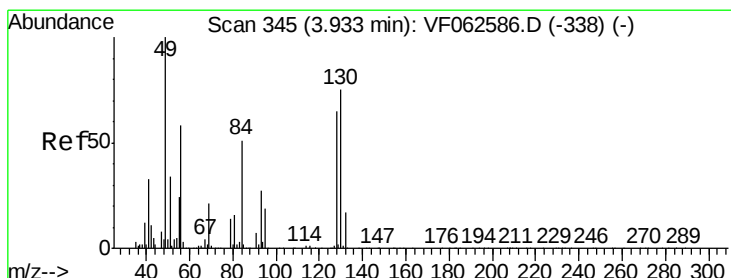
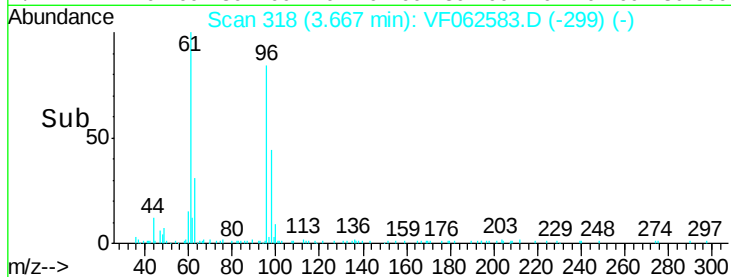
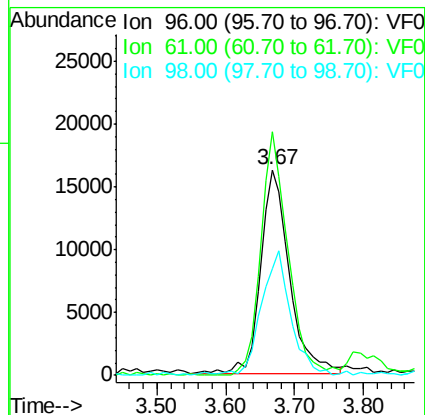
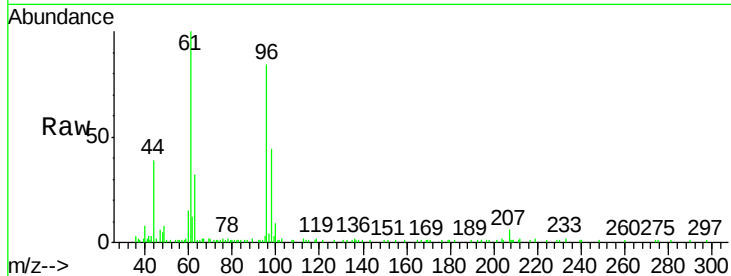


#27

cis-1,2-Dichloroethene
 Concen: 6.349 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

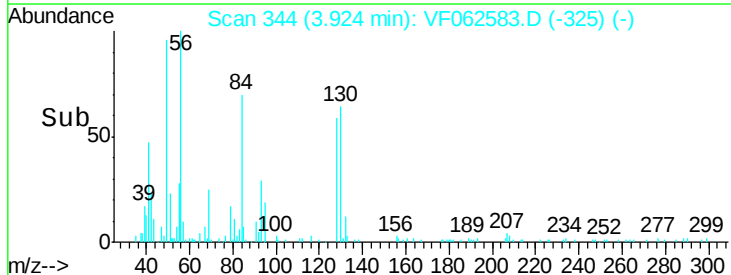
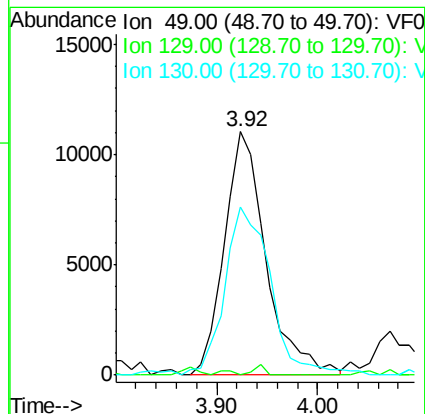
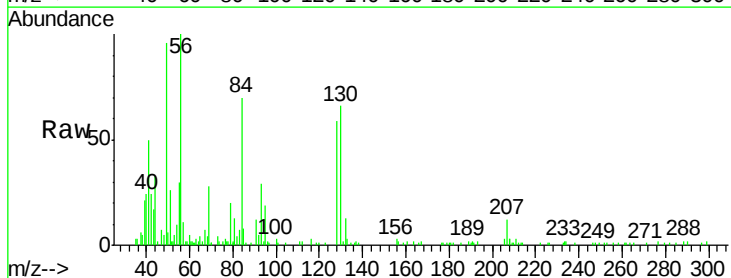
Tot Ion	Ratio	Lower	Upper
96	100		
61	118.6	0.0	251.4
98	51.9	0.0	129.8

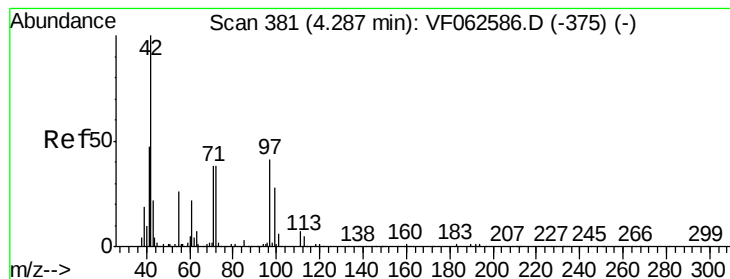


#28

Bromochloromethane
 Concen: 6.400 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	68.8	59.7	89.5





#29

Tetrahydrofuran

Concen: 25.100 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

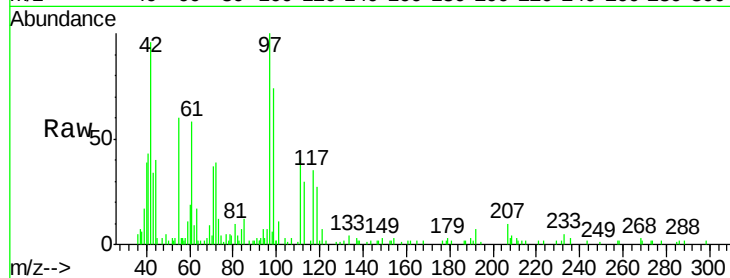
Tot Ion: 42 Resp: 26032

Ion Ratio Lower Upper

42 100

72 39.5 34.0 51.0

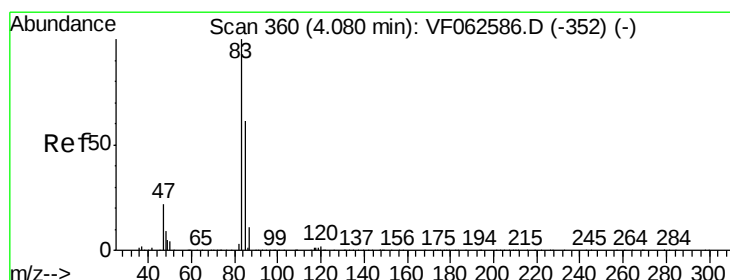
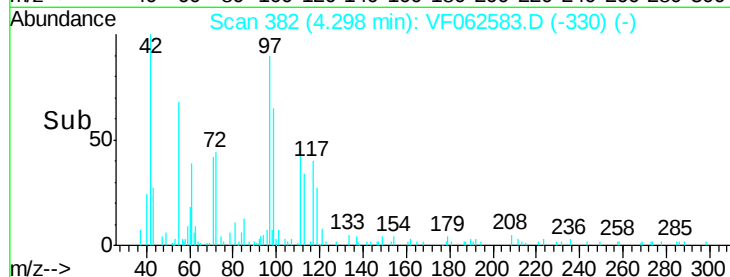
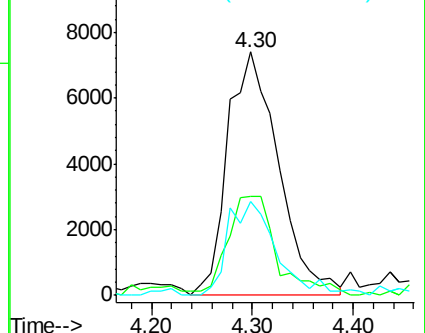
71 37.2 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 4.895 ug/l

RT: 4.07 min Scan# 359

Delta R.T. -0.01 min

Lab File: VF062583.D

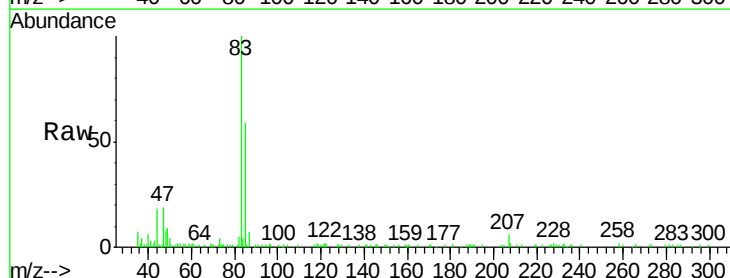
Acq: 14 May 2019 14:57

Tgt Ion: 83 Resp: 64985

Ion Ratio Lower Upper

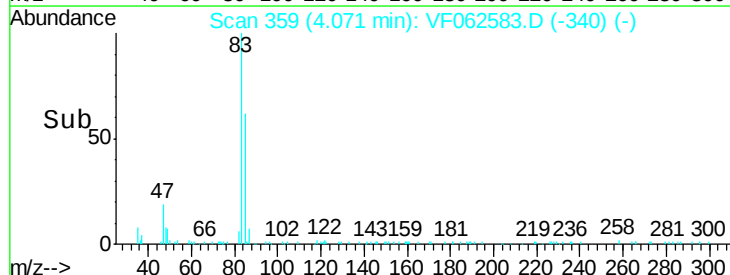
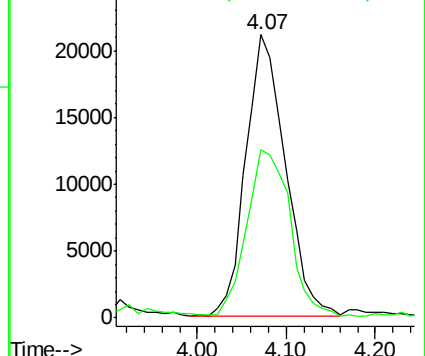
83 100

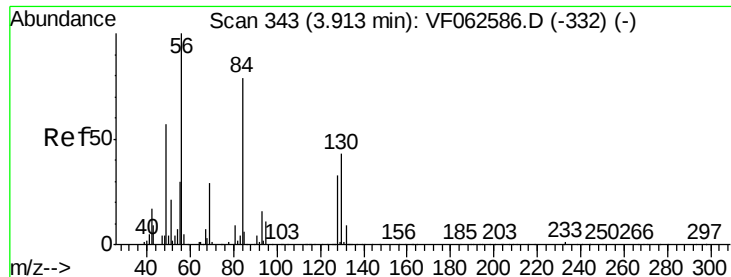
85 59.4 48.7 73.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 6.052 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.02 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

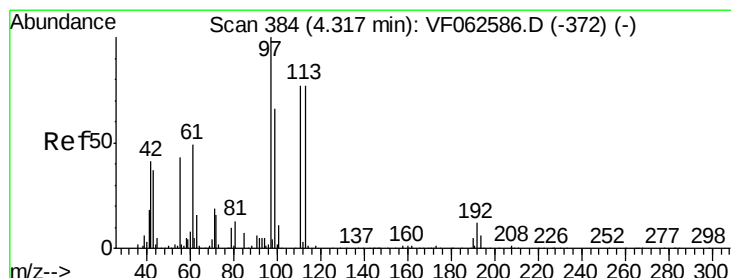
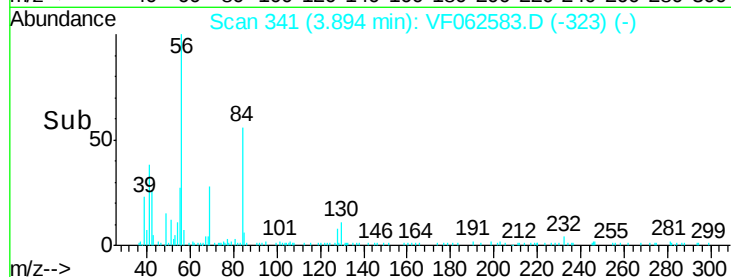
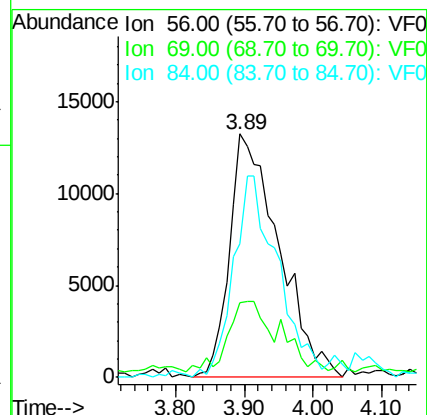
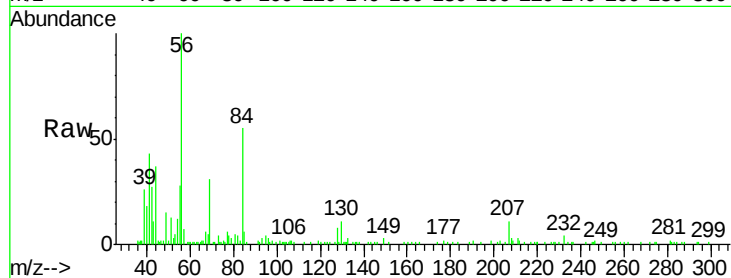
Tot Ion: 56 Resp: 65785

Ion Ratio Lower Upper

56 100

69 30.7 22.9 34.3

84 55.0 63.4 95.2#



#32

1,1,1-Trichloroethane

Concen: 5.209 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

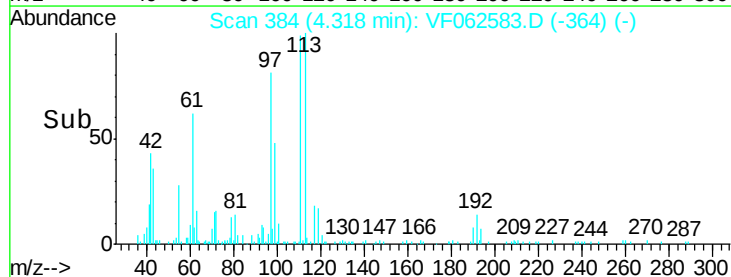
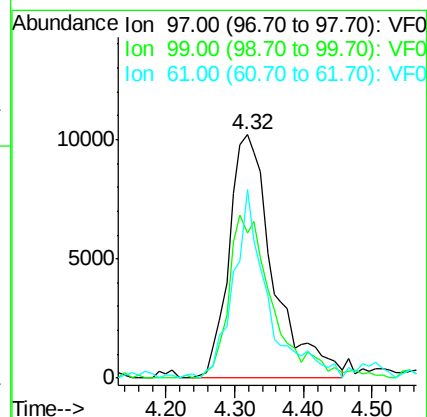
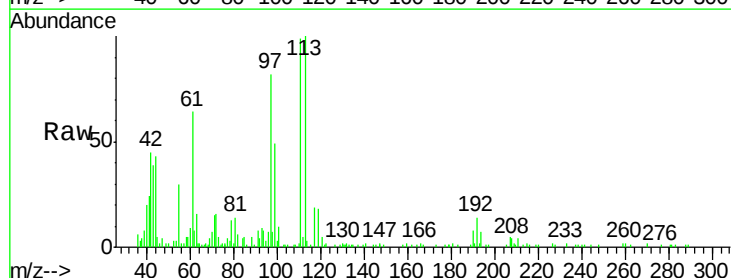
Tgt Ion: 97 Resp: 45579

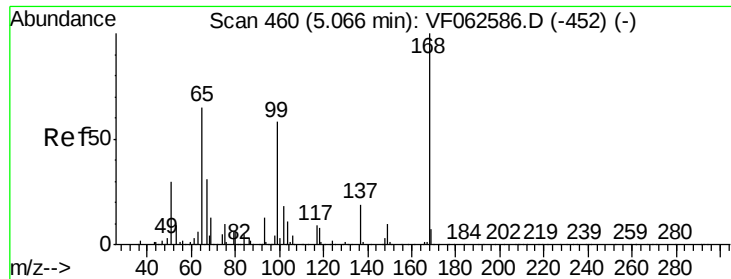
Ion Ratio Lower Upper

97 100

99 59.6 53.4 80.0

61 77.3 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 3.981 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

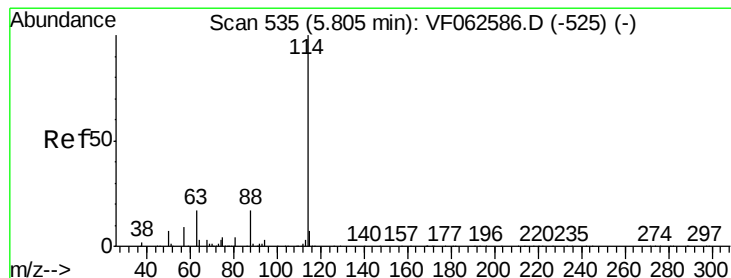
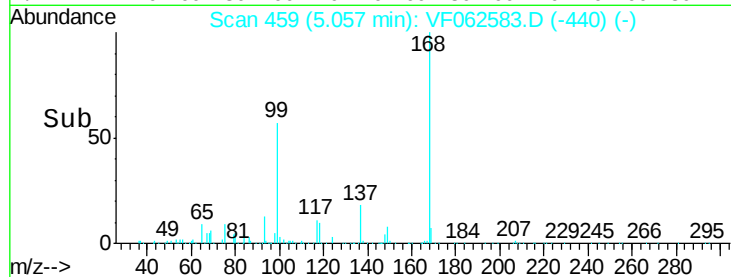
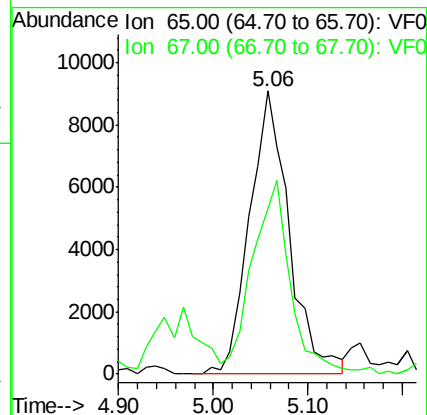
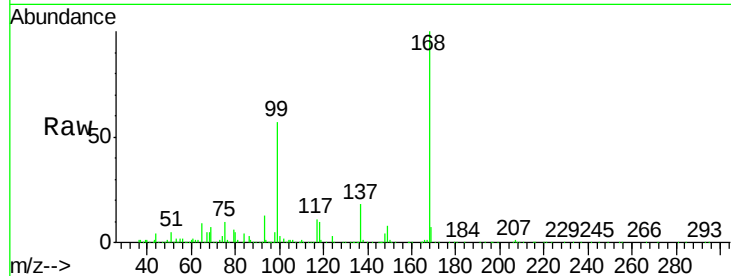
VSTDIC005

Tot Ion: 65 Resp: 26401

Ion Ratio Lower Upper

65 100

67 58.3 0.0 116.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

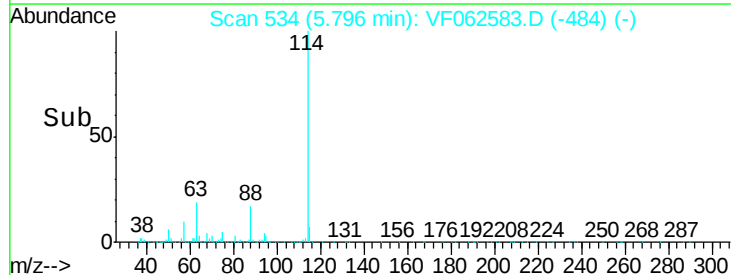
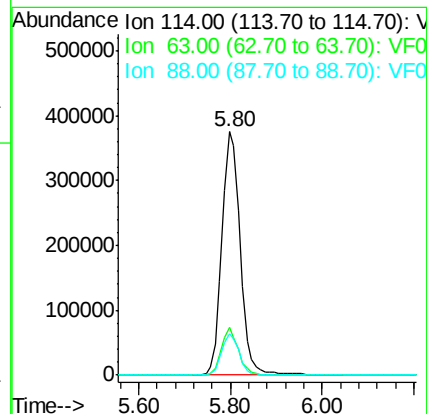
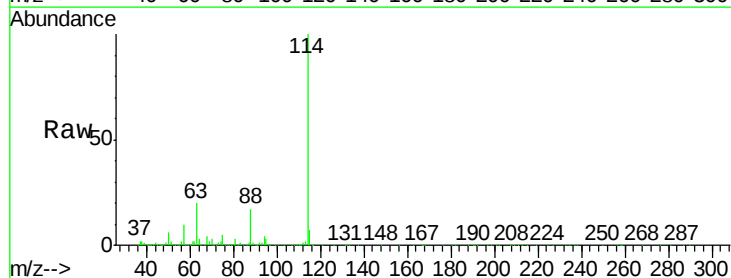
Tgt Ion: 114 Resp: 1033797

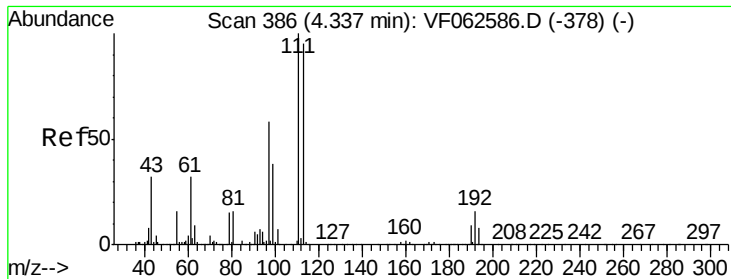
Ion Ratio Lower Upper

114 100

63 19.5 0.0 34.6

88 16.8 0.0 33.6

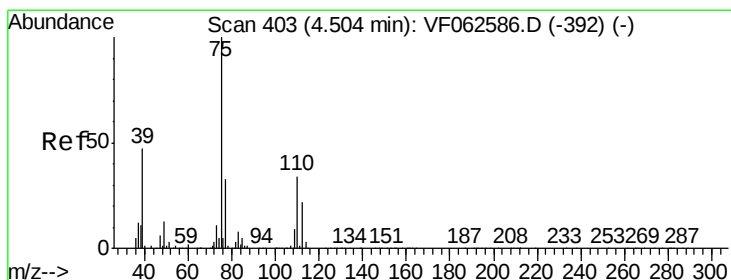
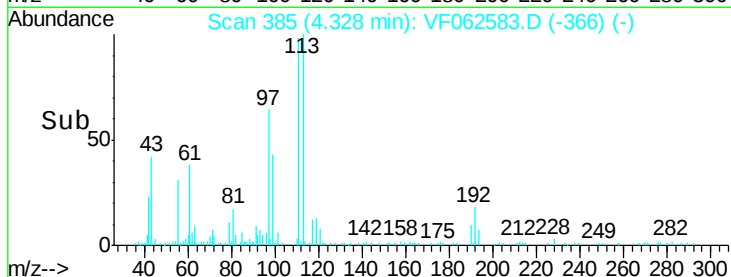
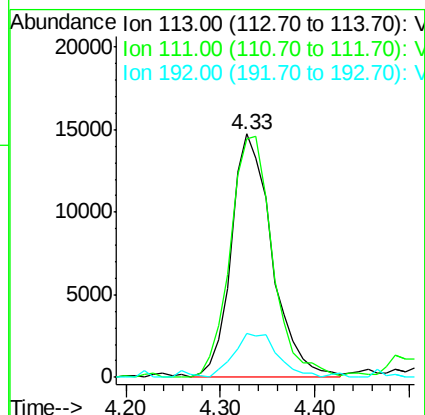
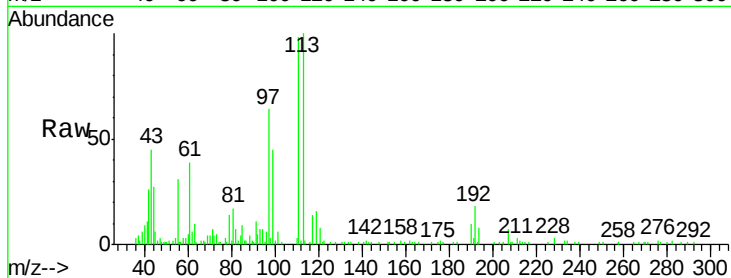




#35
 Dibromofluoromethane
 Concen: 5.725 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

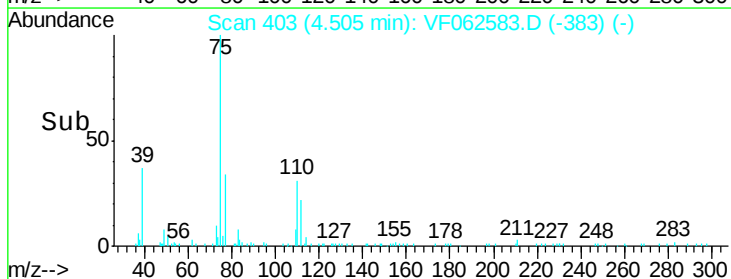
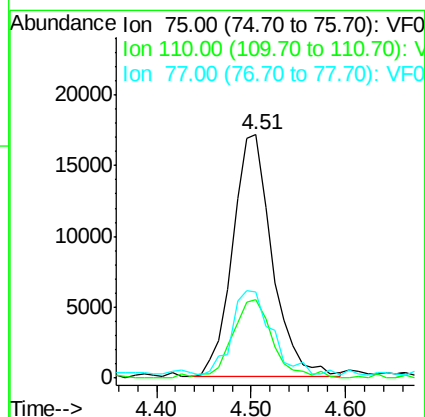
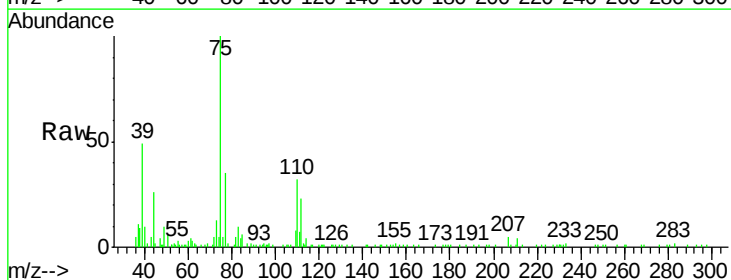
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

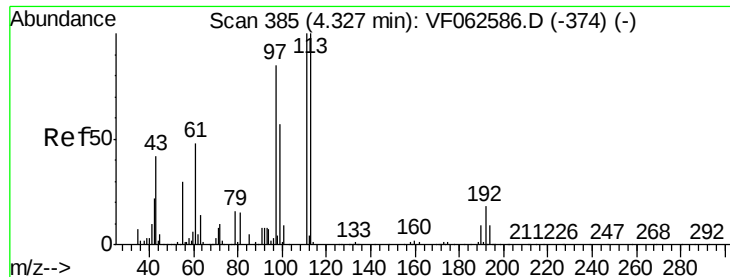
Tot Ion:113 Resp: 44075
 Ion Ratio Lower Upper
 113 100
 111 98.2 83.9 125.9
 192 17.8 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 4.427 ug/l
 RT: 4.51 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion: 75 Resp: 49490
 Ion Ratio Lower Upper
 75 100
 110 32.5 17.3 51.7
 77 35.4 26.4 39.6

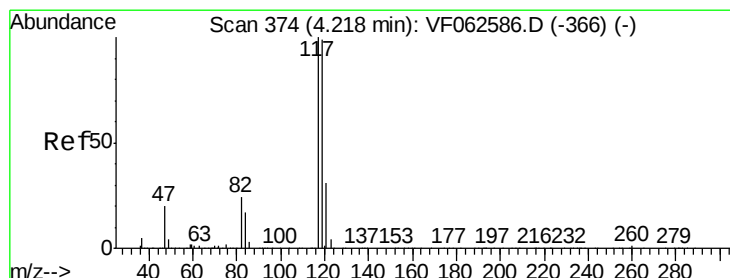
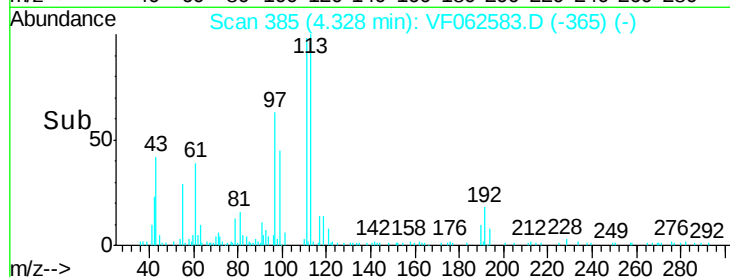
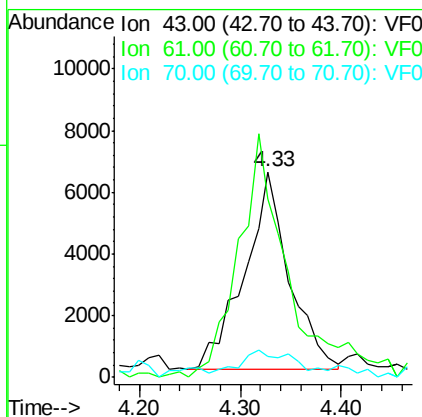
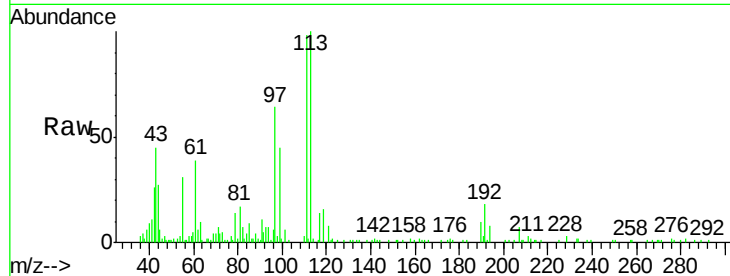




#37
Ethyl Acetate
Concen: 3.813 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

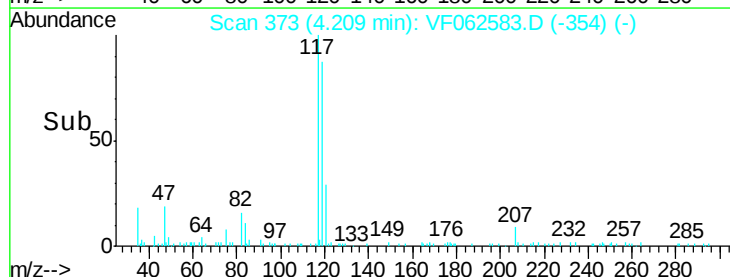
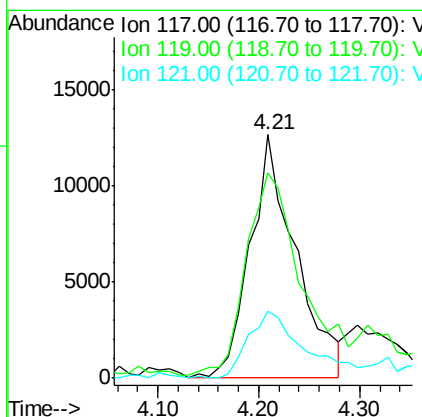
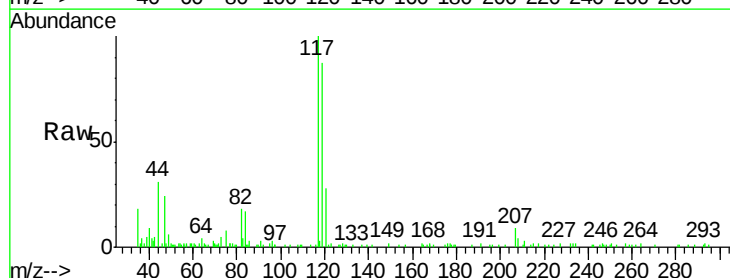
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

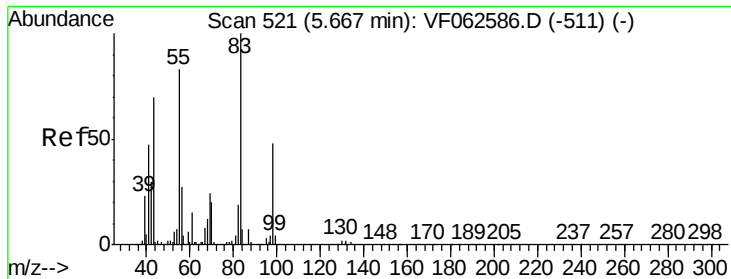
Tot Ion: 43 Resp: 19721
Ion Ratio Lower Upper
43 100
61 86.8 88.6 132.8#
70 9.9 8.3 12.5



#38
Carbon Tetrachloride
Concen: 4.615 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.01 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion: 117 Resp: 39815
Ion Ratio Lower Upper
117 100
119 84.3 79.0 118.6
121 27.3 25.0 37.6

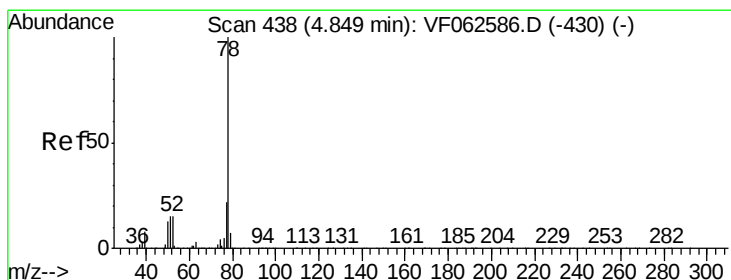
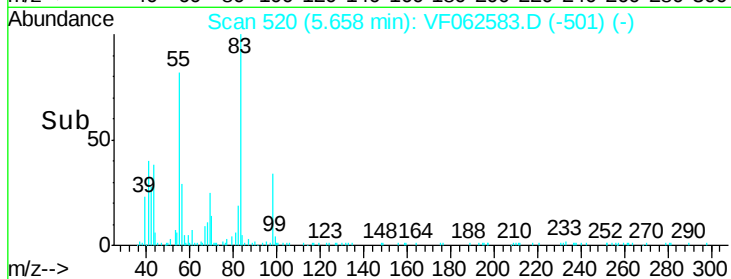
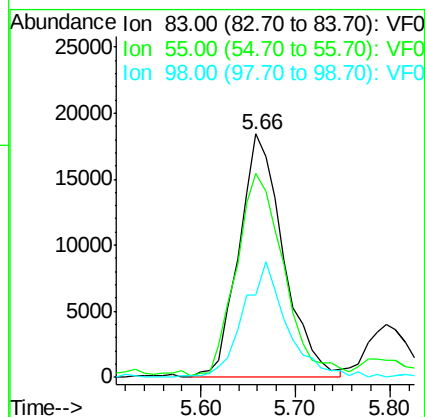
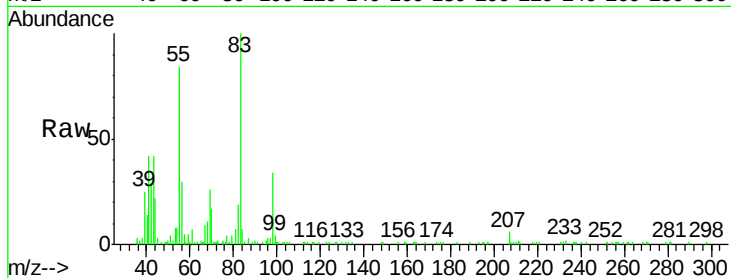




#39
Methvlcvclohexane
Concen: 5.326 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

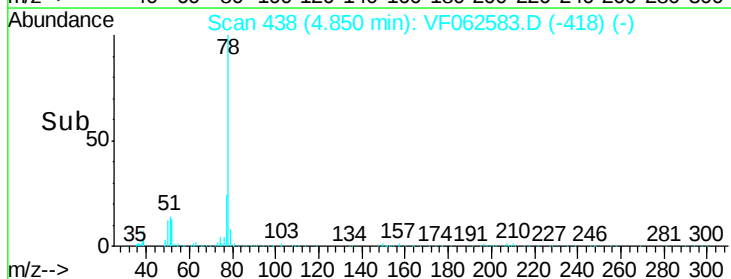
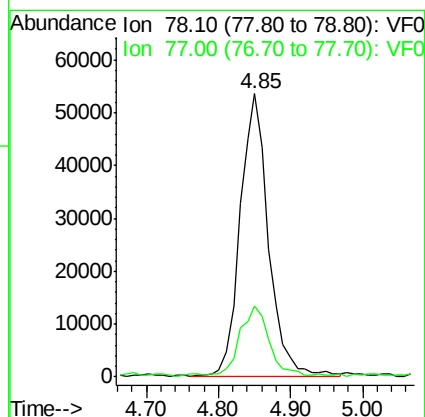
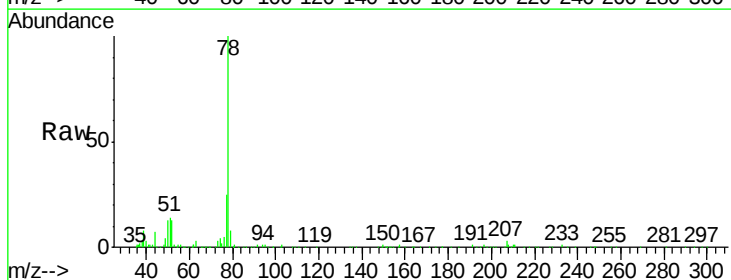
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

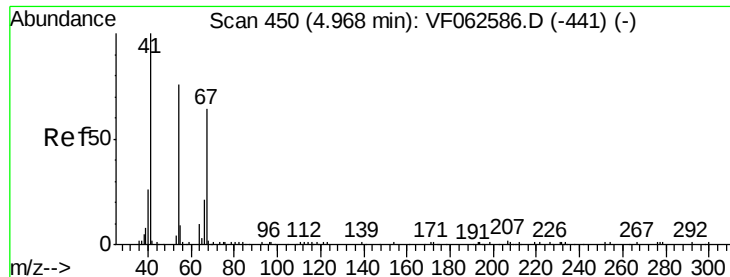
Tot Ion: 83 Resp: 60201
Ion Ratio Lower Upper
83 100
55 83.6 66.6 100.0
98 34.0 38.3 57.5#



#40
Benzene
Concen: 5.872 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion: 78 Resp: 147928
Ion Ratio Lower Upper
78 100
77 24.9 17.7 26.5





#41

Methacrylonitrile

Concen: 3.627 ug/l

RT: 4.96 min Scan# 449

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 10571

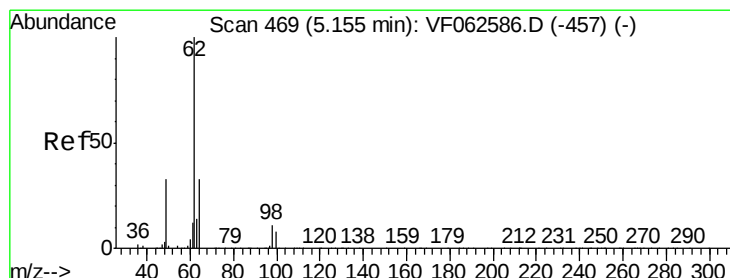
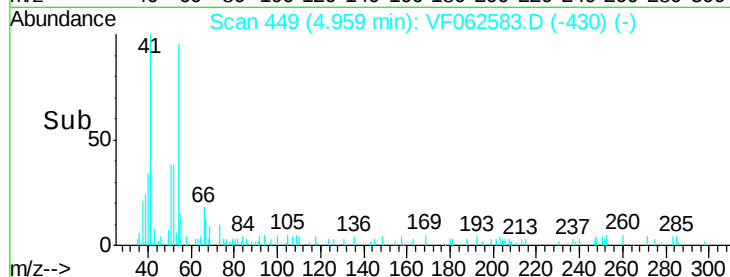
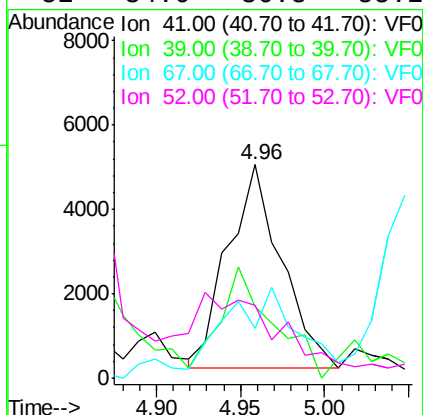
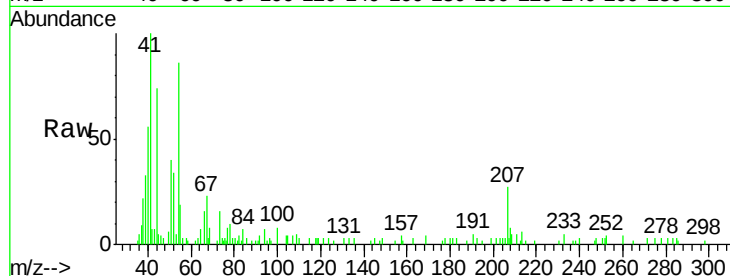
Ion Ratio Lower Upper

41 100

39 33.4 40.8 61.2#

67 23.4 50.2 75.2#

52 34.0 36.8 55.2#



#42

1,2-Dichloroethane

Concen: 3.362 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.00 min

Lab File: VF062583.D

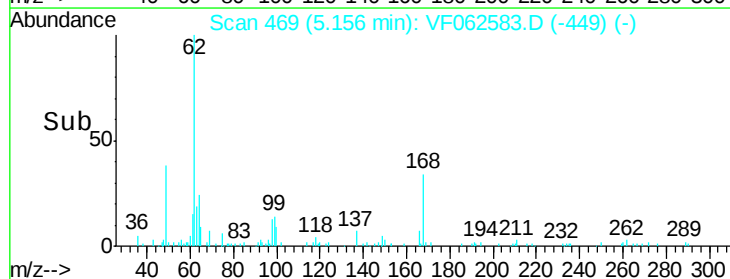
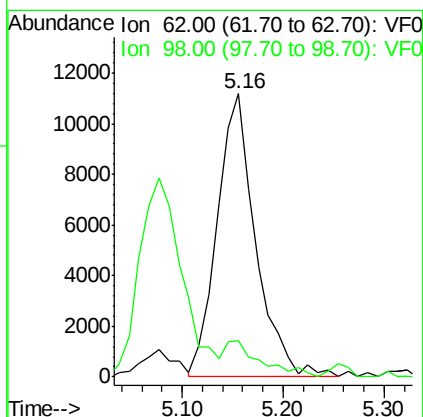
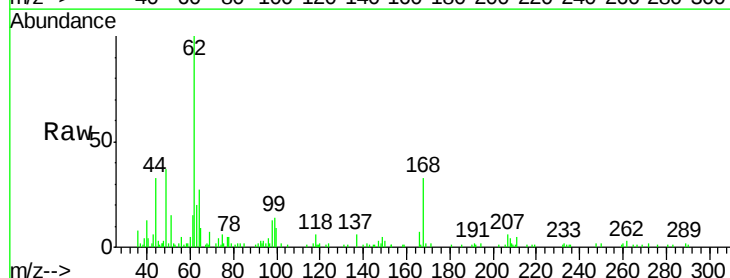
Acq: 14 May 2019 14:57

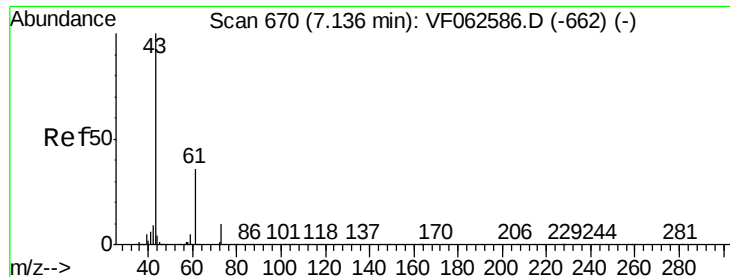
Tgt Ion: 62 Resp: 29622

Ion Ratio Lower Upper

62 100

98 13.0 0.0 22.2





#43

Isopropyl Acetate

Concen: 4.467 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

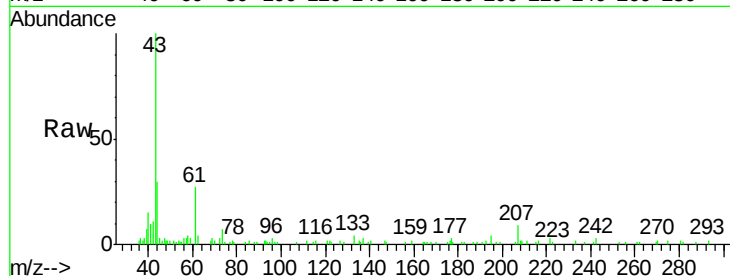
Tot Ion: 43 Resp: 24935

Ion Ratio Lower Upper

43 100

61 27.3 28.5 42.7#

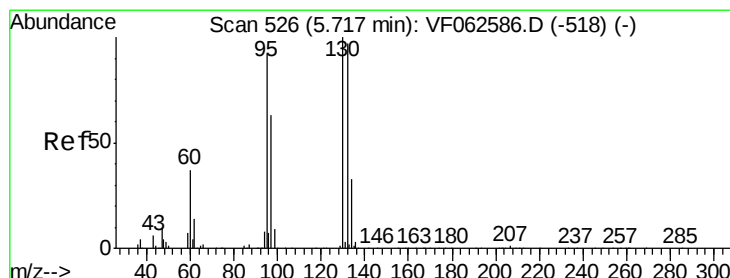
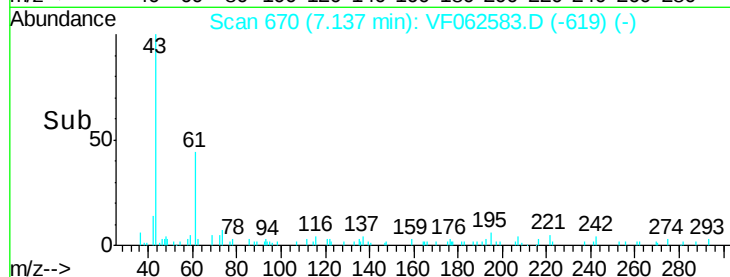
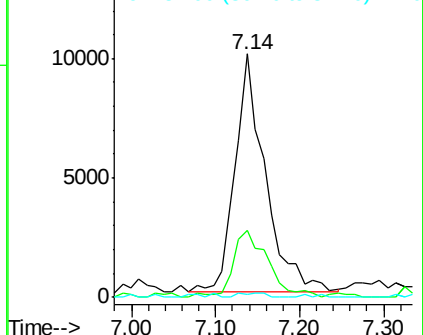
87 1.2 0.4 0.6#



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: 5.039 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.01 min

Lab File: VF062583.D

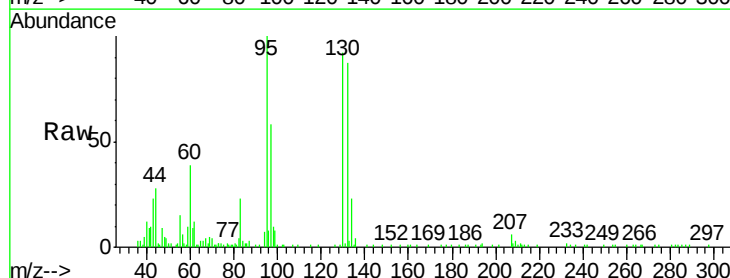
Acq: 14 May 2019 14:57

Tgt Ion: 130 Resp: 38403

Ion Ratio Lower Upper

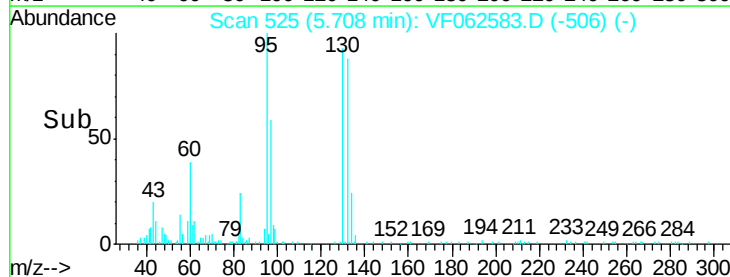
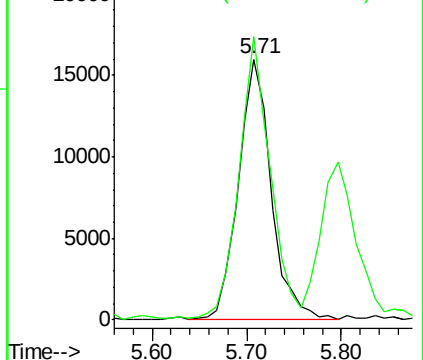
130 100

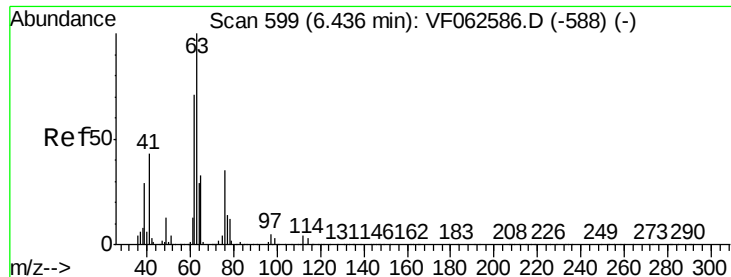
95 108.7 0.0 185.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.964 ug/l

RT: 6.44 min Scan# 599

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

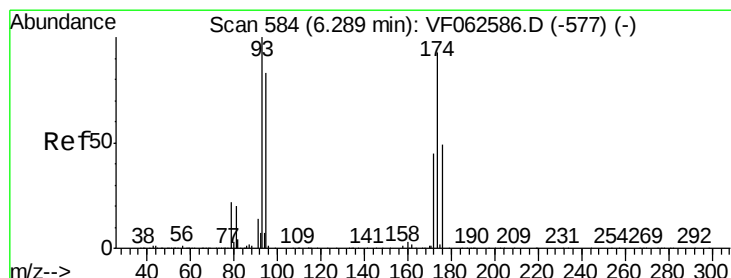
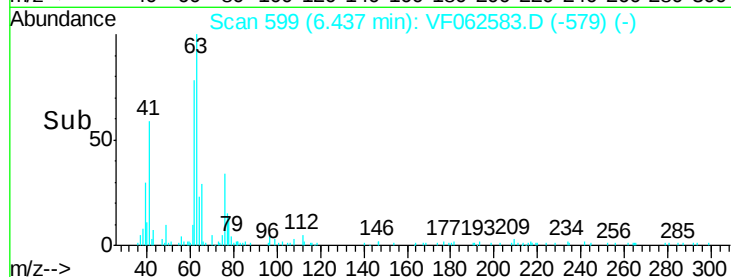
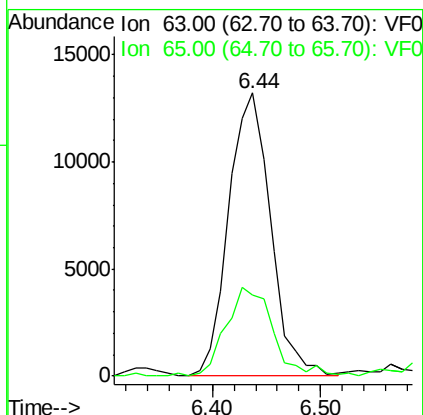
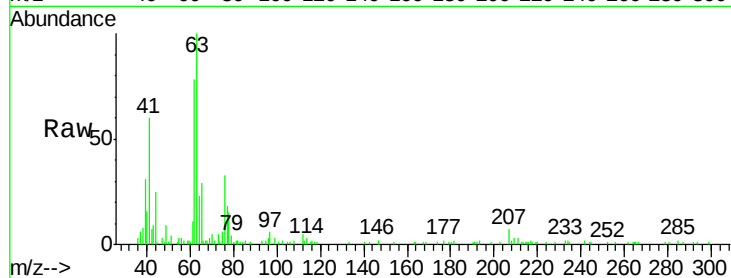
VSTDIC005

Tot Ion: 63 Resp: 35755

Ion Ratio Lower Upper

63 100

65 28.6 26.2 39.4



#46

Dibromomethane

Concen: 4.716 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

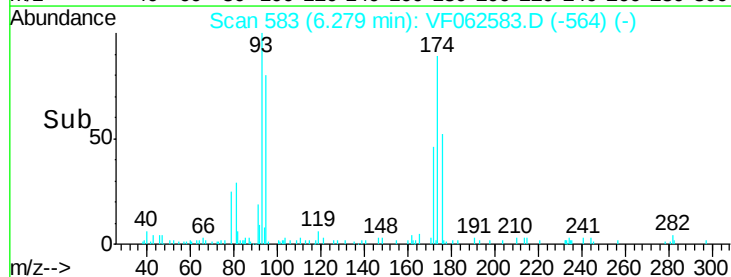
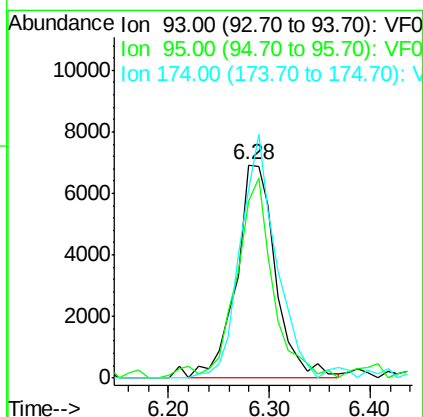
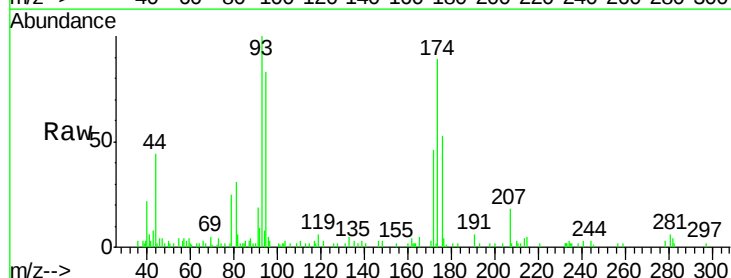
Tgt Ion: 93 Resp: 18832

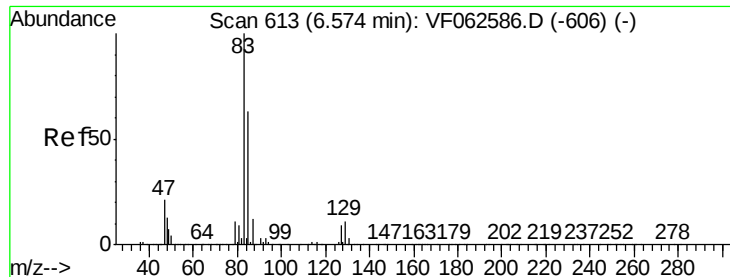
Ion Ratio Lower Upper

93 100

95 82.7 66.9 100.3

174 88.6 74.6 112.0





#47

Bromodichloromethane

Concen: 3.660 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

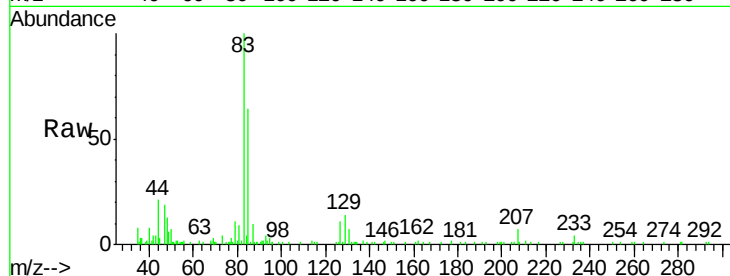
Tot Ion: 83 Resp: 38588

Ion Ratio Lower Upper

83 100

85 63.8 50.3 75.5

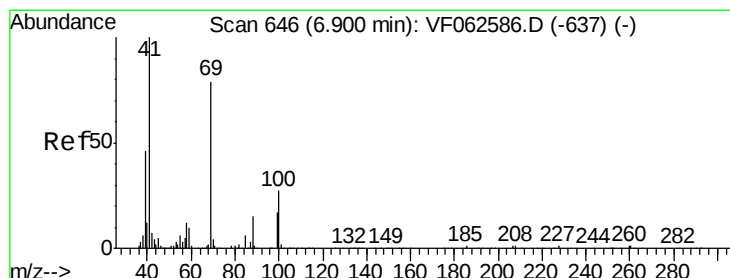
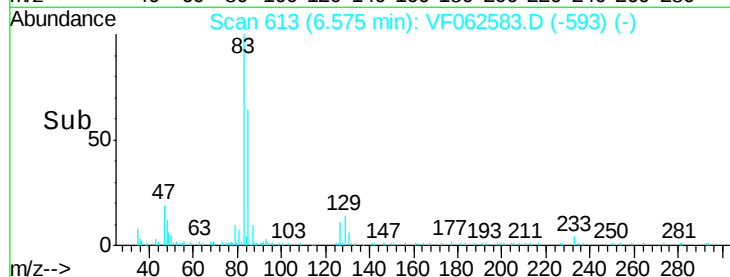
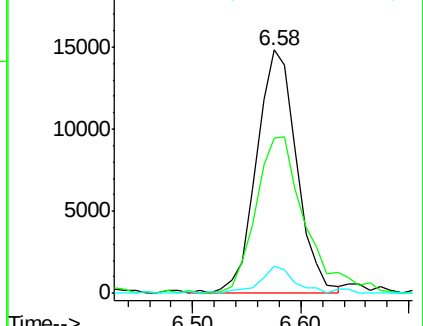
127 11.1 7.2 10.8#



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: 2.962 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

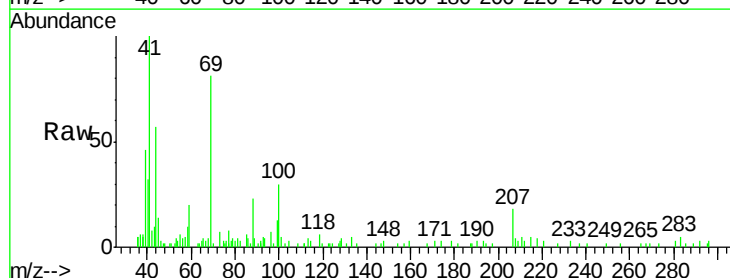
Tgt Ion: 41 Resp: 12280

Ion Ratio Lower Upper

41 100

69 80.9 63.0 94.6

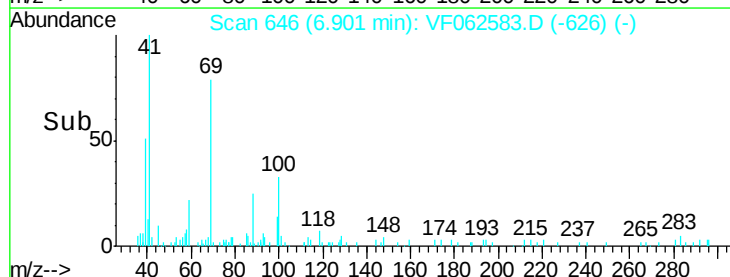
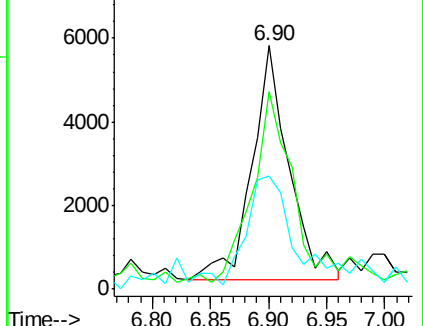
39 46.3 37.6 56.4

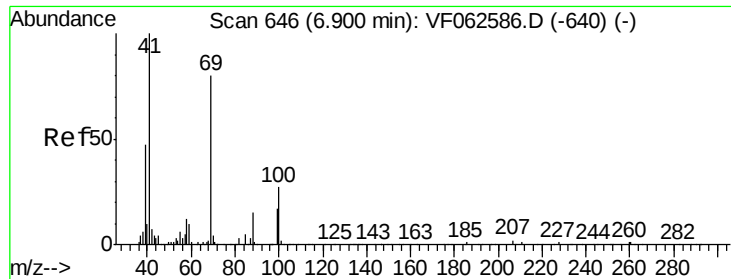


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

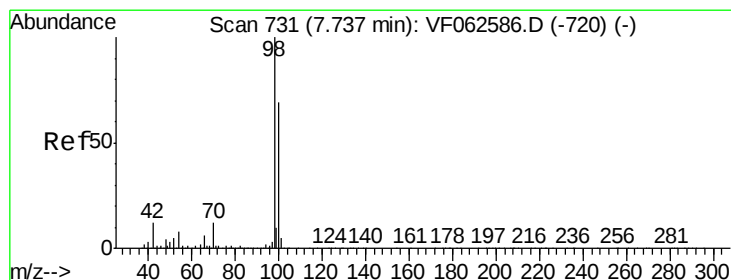
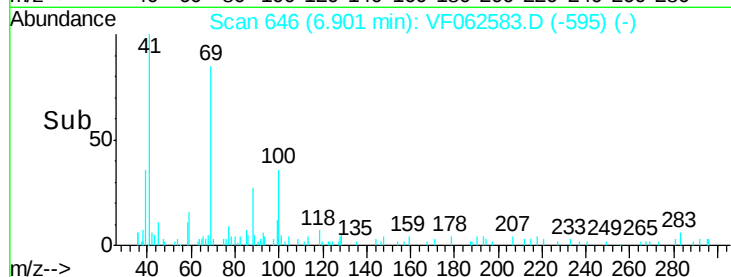
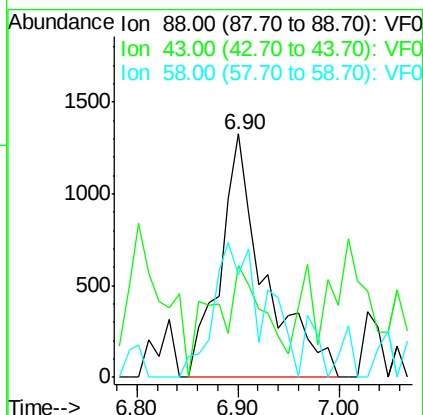
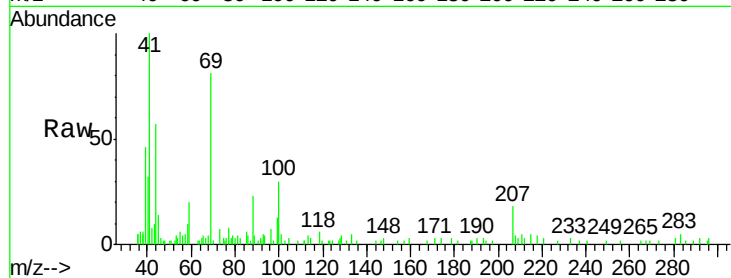




#49
1,4-Dioxane
Concen: 150.446 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

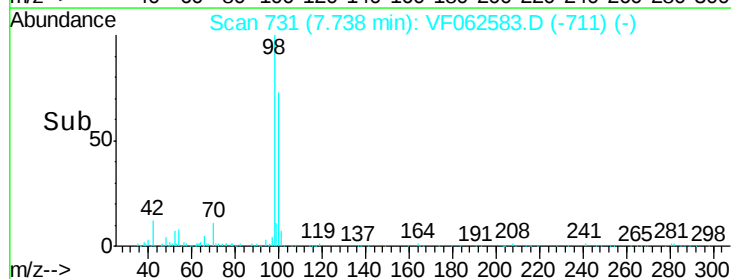
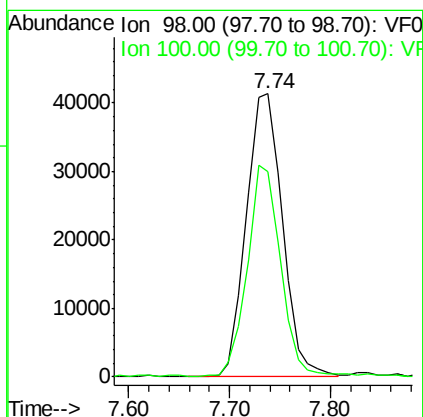
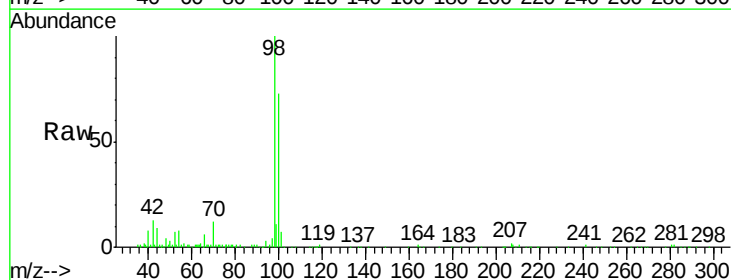
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

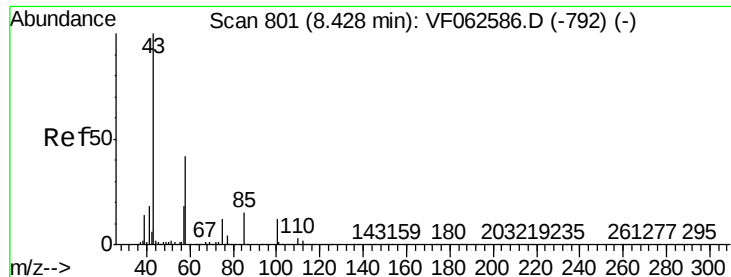
Tot Ion: 88 Resp: 4058
Ion Ratio Lower Upper
88 100
43 46.0 28.8 43.2#
58 42.2 60.6 90.8#



#50
Toluene-d8
Concen: 4.781 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion: 98 Resp: 103555
Ion Ratio Lower Upper
98 100
100 72.6 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 20.581 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

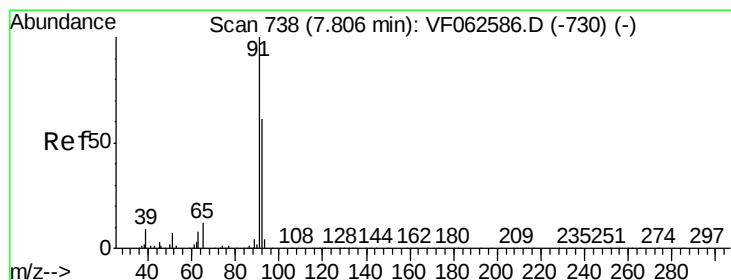
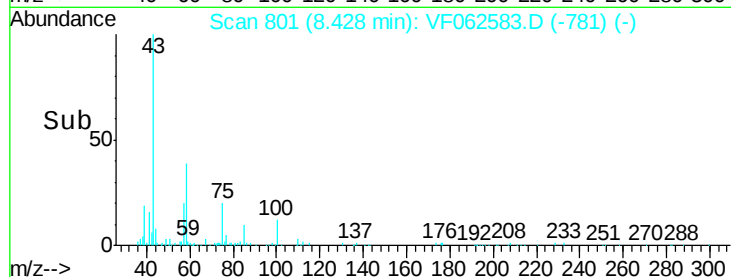
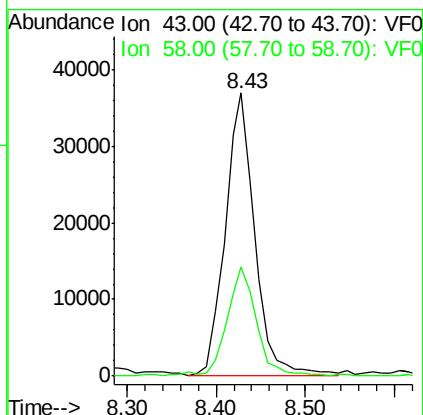
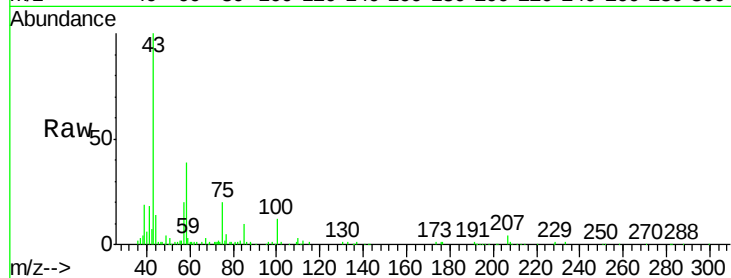
VSTDIC005

Tot Ion: 43 Resp: 86651

Ion Ratio Lower Upper

43 100

58 38.7 33.6 50.4



#52

Toluene

Concen: 4.565 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062583.D

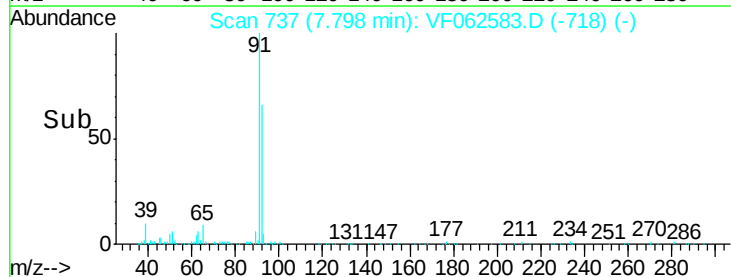
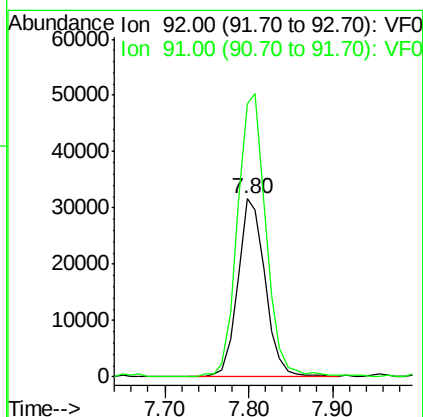
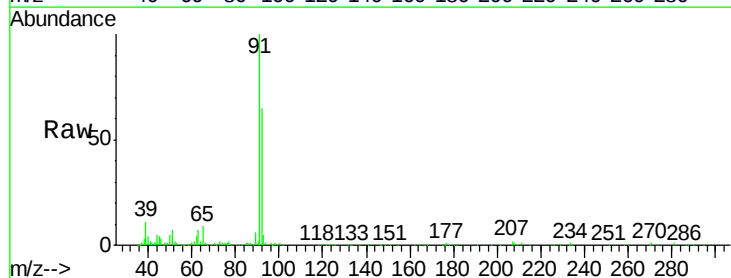
Acq: 14 May 2019 14:57

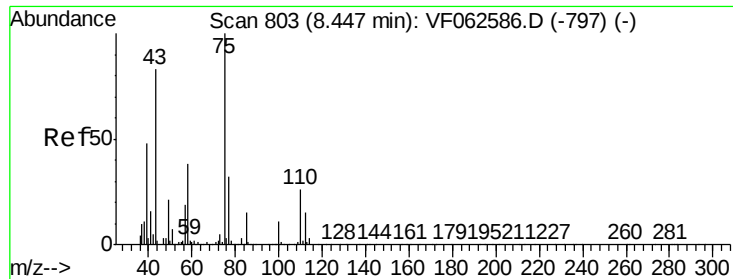
Tgt Ion: 92 Resp: 71335

Ion Ratio Lower Upper

92 100

91 153.7 131.0 196.4

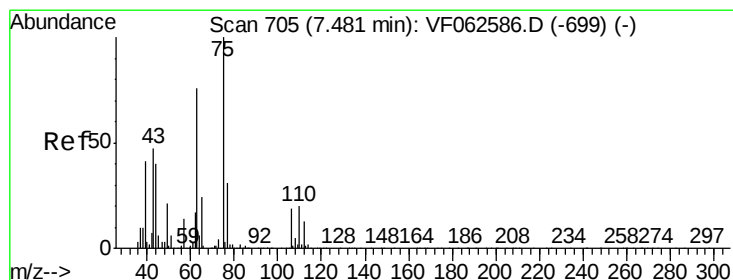
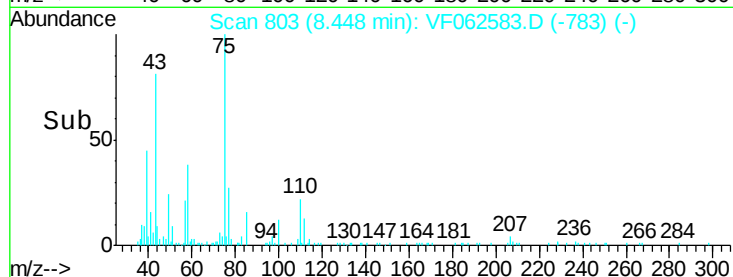
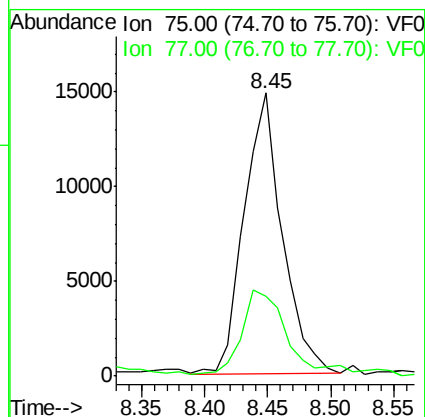
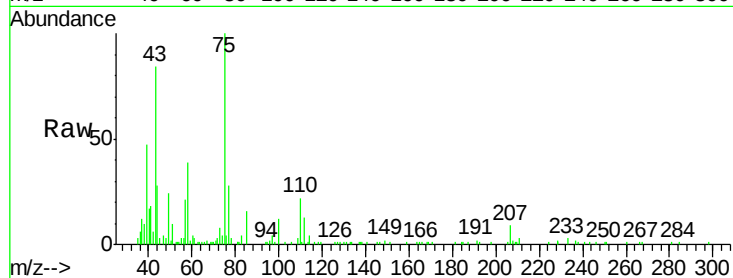




#53
 t-1,3-Dichloropropene
 Concen: 3.686 ug/l
 RT: 8.45 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

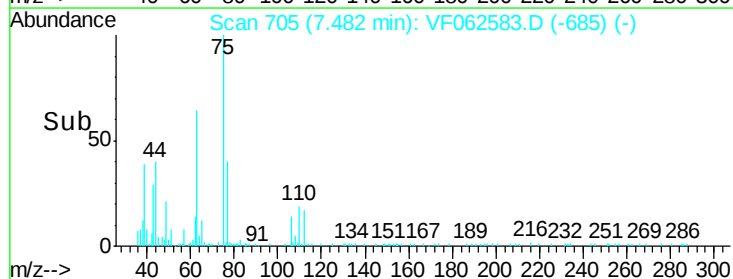
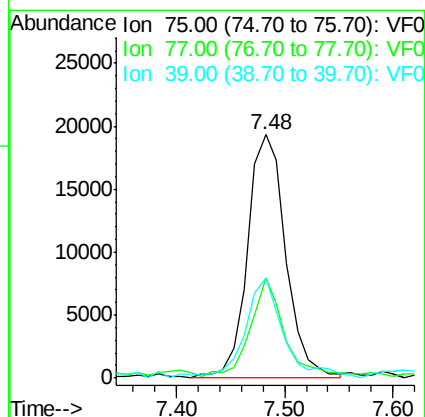
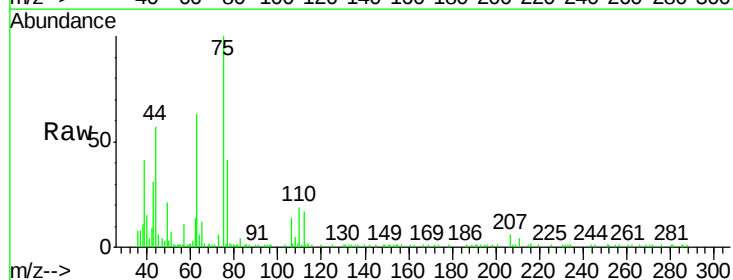
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

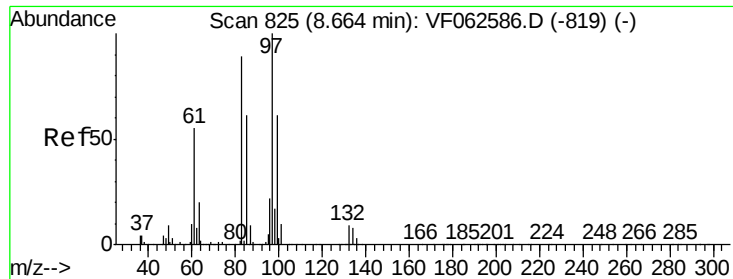
Tot Ion: 75 Resp: 31197
 Ion Ratio Lower Upper
 75 100
 77 28.1 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 4.508 ug/l
 RT: 7.48 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion: 75 Resp: 47347
 Ion Ratio Lower Upper
 75 100
 77 41.1 25.0 37.6#
 39 41.4 32.8 49.2

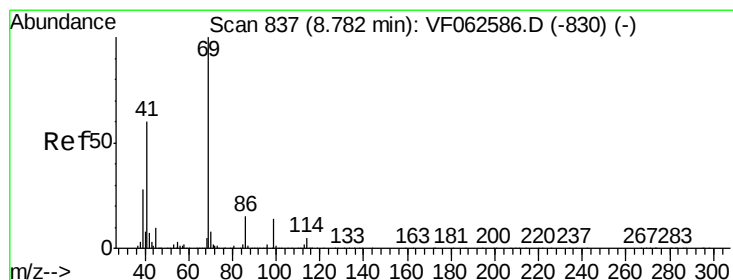
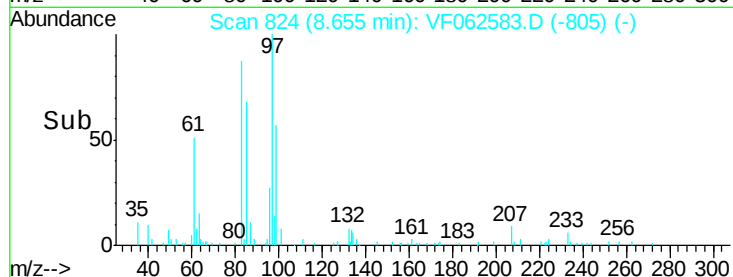
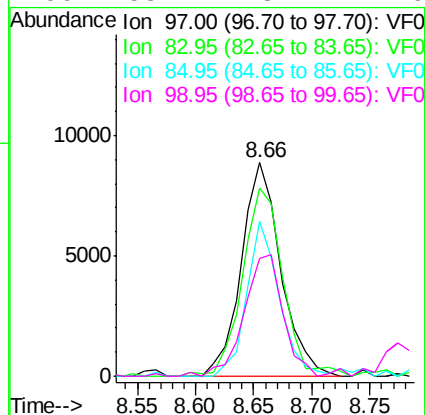
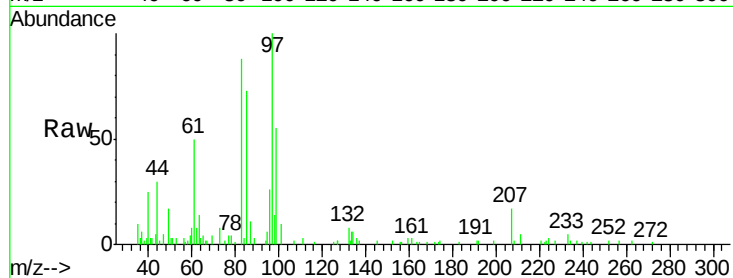




#55
 1,1,2-Trichloroethane
 Concen: 4.760 ug/l
 RT: 8.66 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

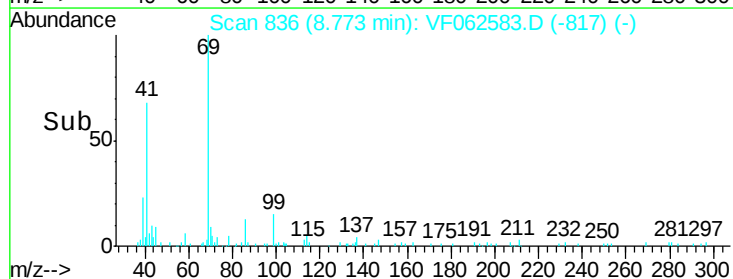
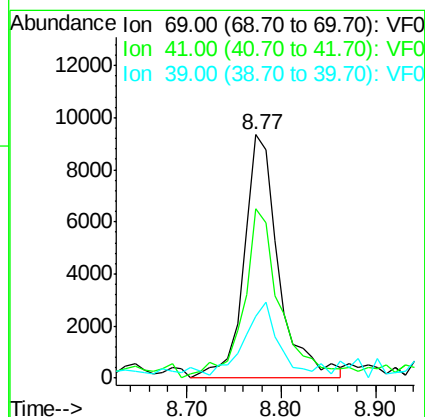
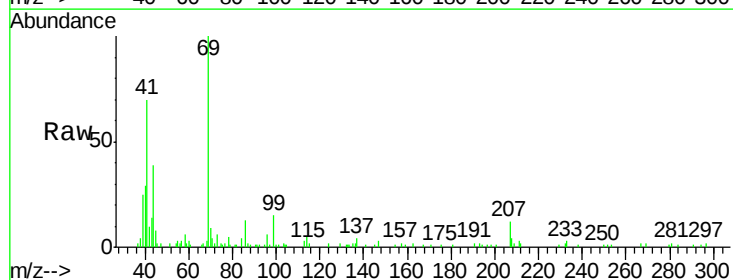
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

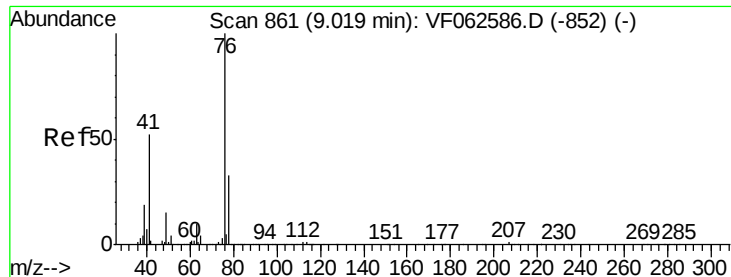
Tot Ion:	97	Resp:	20810
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.3	106.9
85	72.8	48.9	73.3
99	55.4	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 4.133 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion:	69	Resp:	23680
Ion	Ratio	Lower	Upper
69	100		
41	69.6	48.1	72.1
39	25.3	22.5	33.7





#57

1,3-Dichloropropane

Concen: 4.735 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

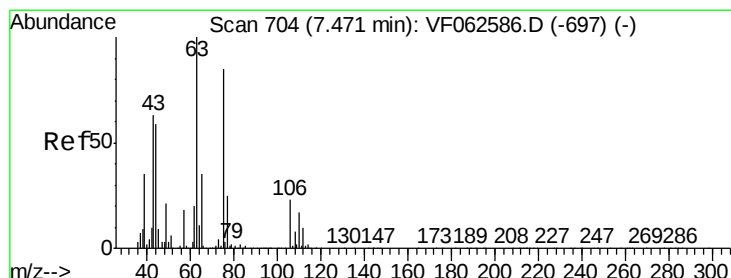
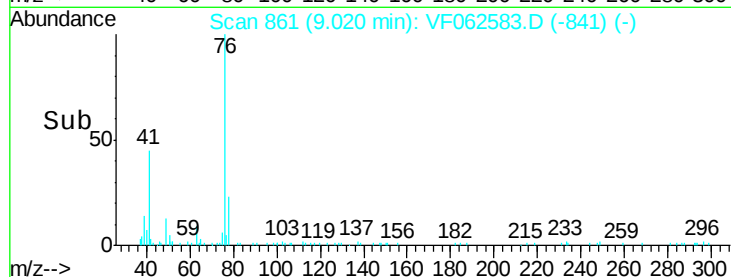
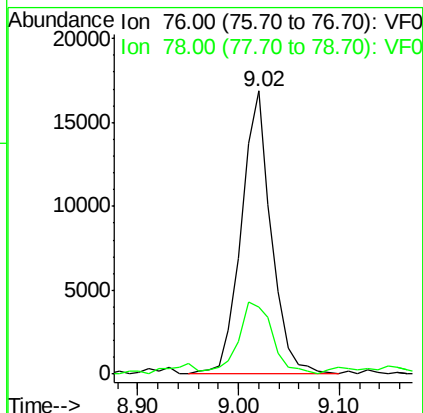
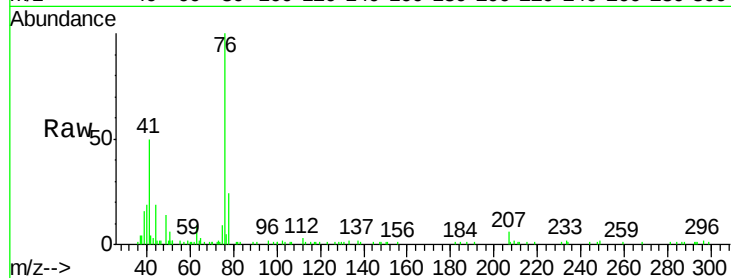
VSTDIC005

Tot Ion: 76 Resp: 34860

Ion Ratio Lower Upper

76 100

78 23.7 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 36.050 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062583.D

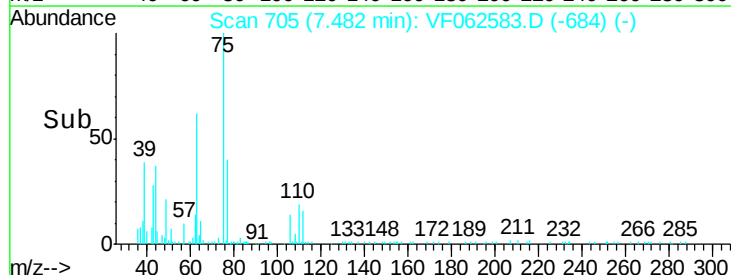
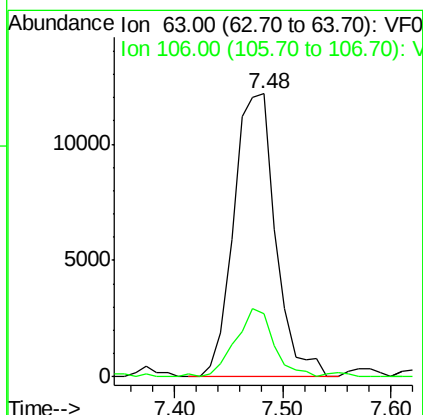
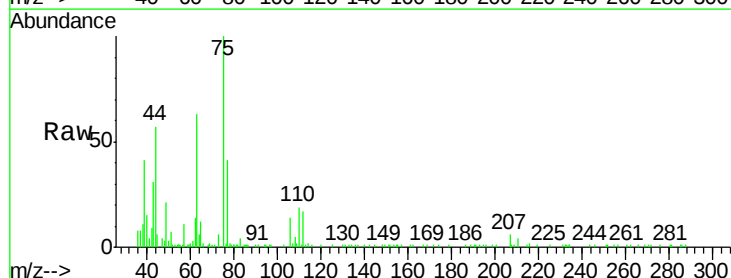
Acq: 14 May 2019 14:57

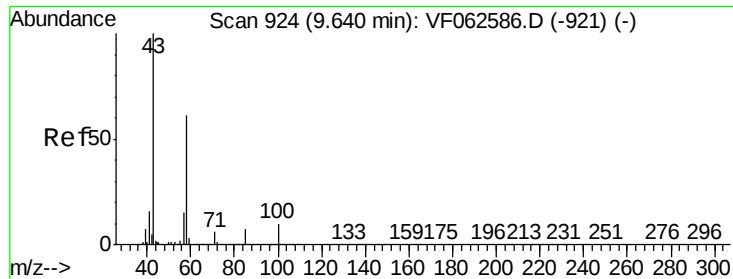
Tgt Ion: 63 Resp: 32668

Ion Ratio Lower Upper

63 100

106 22.2 18.0 27.0

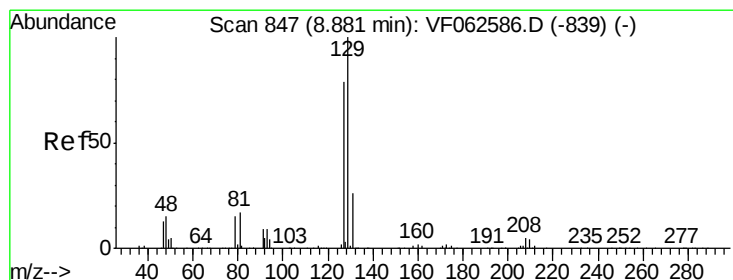
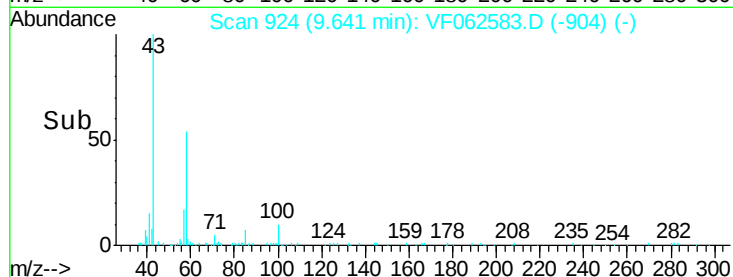
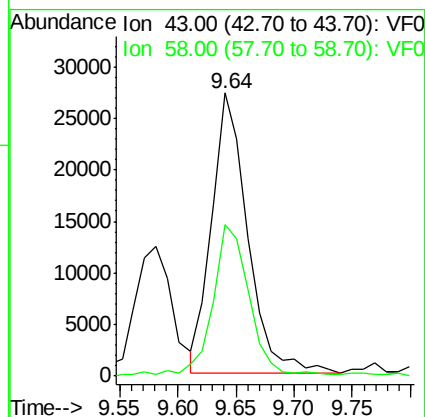
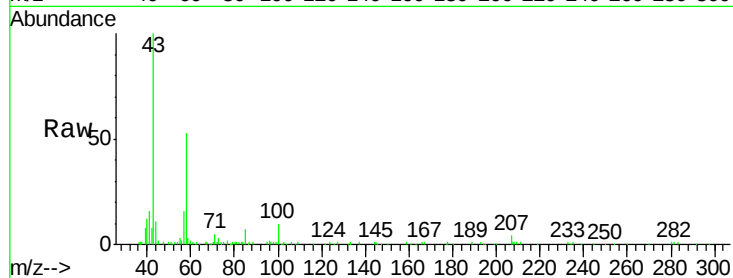




#59
2-Hexanone
Concen: 19.625 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

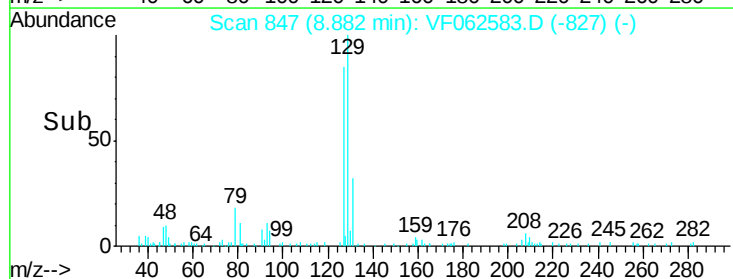
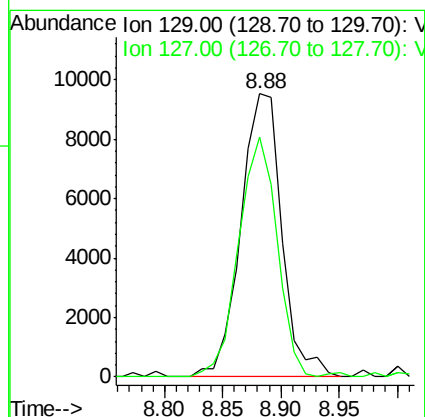
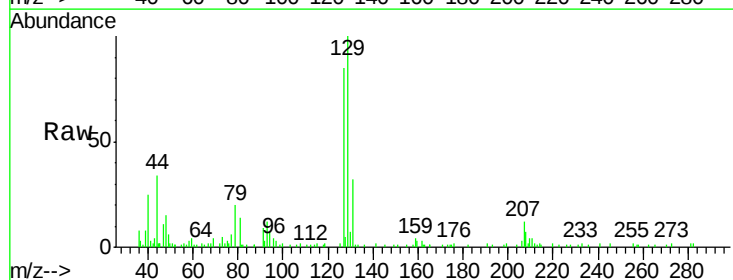
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

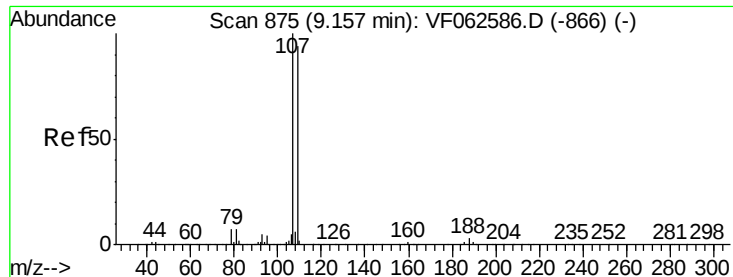
Tot Ion: 43 Resp: 58183
Ion Ratio Lower Upper
43 100
58 53.4 28.7 86.3



#60
Dibromochloromethane
Concen: 3.729 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion: 129 Resp: 23218
Ion Ratio Lower Upper
129 100
127 89.8 39.3 117.9





#61

1,2-Dibromoethane

Concen: 4.258 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

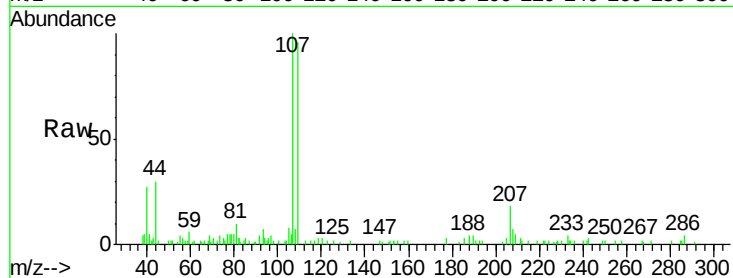
VSTDIC005

Tot Ion:107 Resp: 19577

Ion Ratio Lower Upper

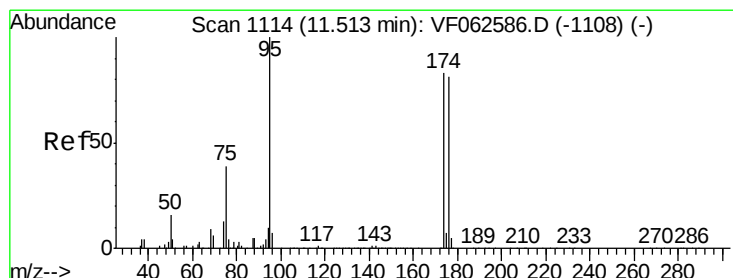
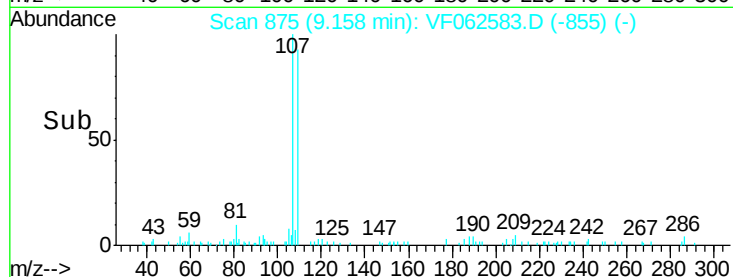
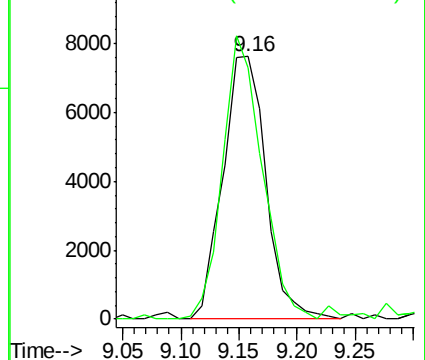
107 100

109 95.7 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: 4.326 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

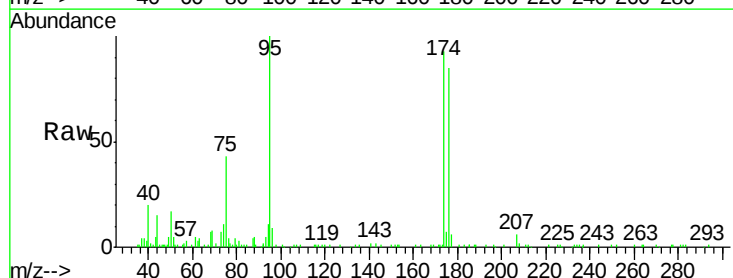
Tgt Ion: 95 Resp: 37429

Ion Ratio Lower Upper

95 100

174 92.9 0.0 166.6

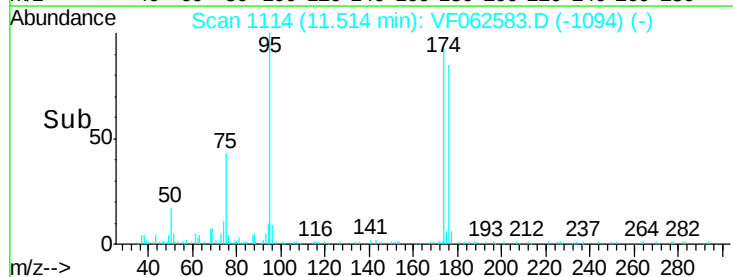
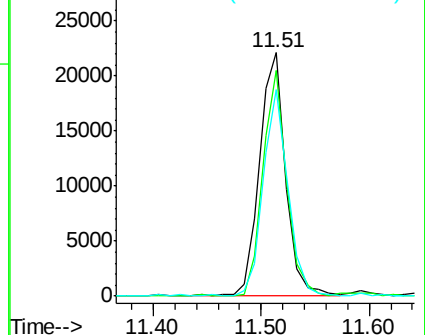
176 84.8 0.0 161.8

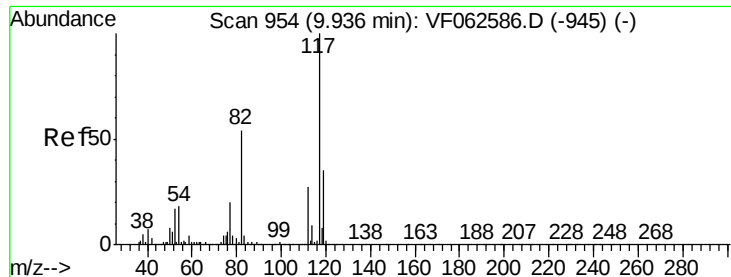


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

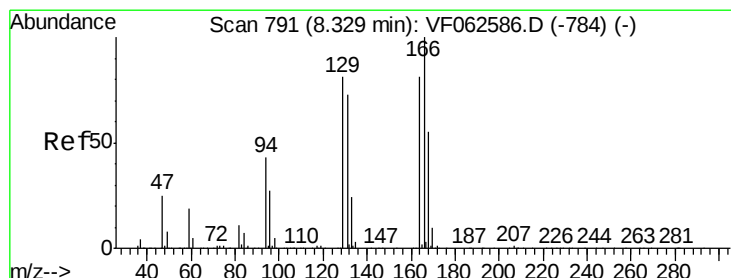
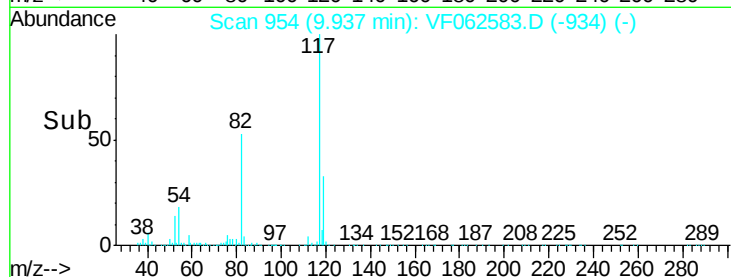
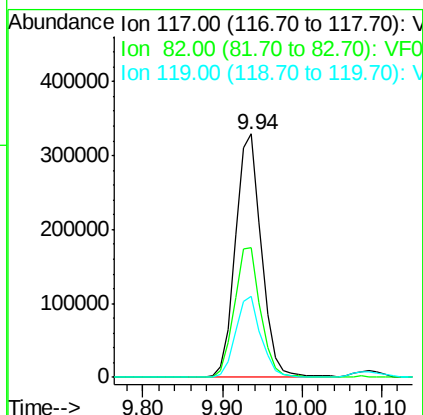
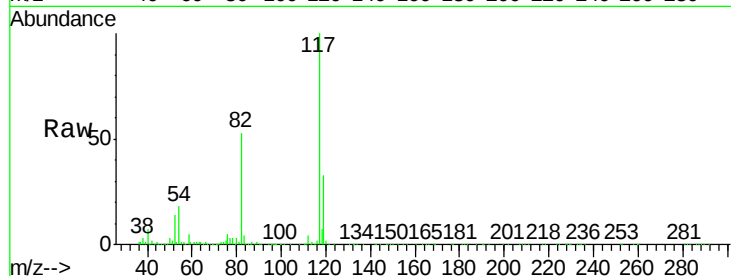




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

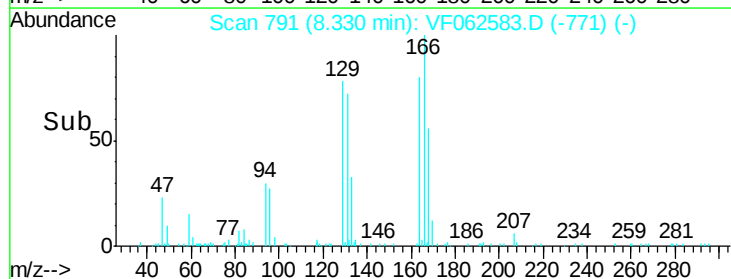
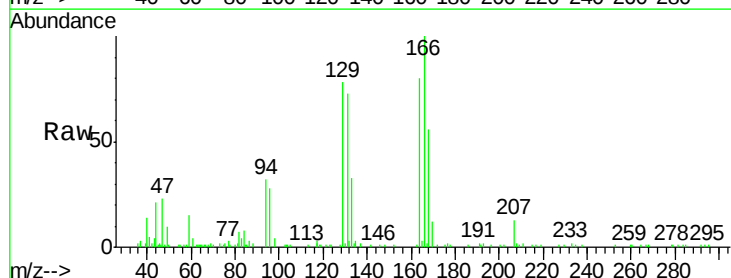
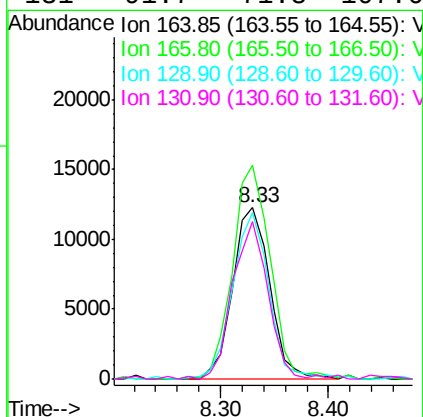
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

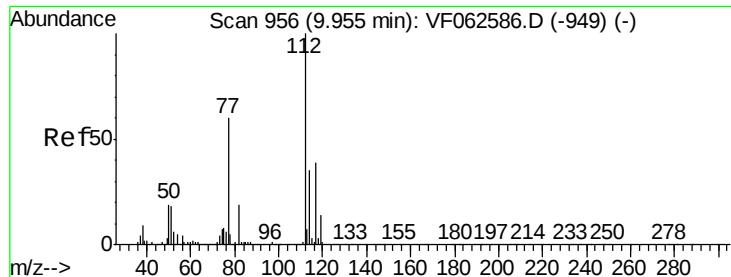
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.0
119	33.1	27.7	41.5



#64
Tetrachloroethene
Concen: 5.375 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.6	148.0
129	97.6	80.2	120.4
131	91.7	71.8	107.6

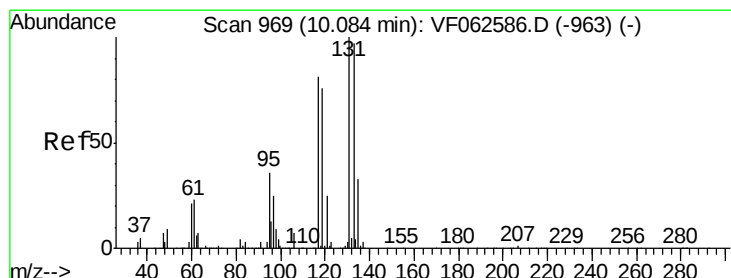
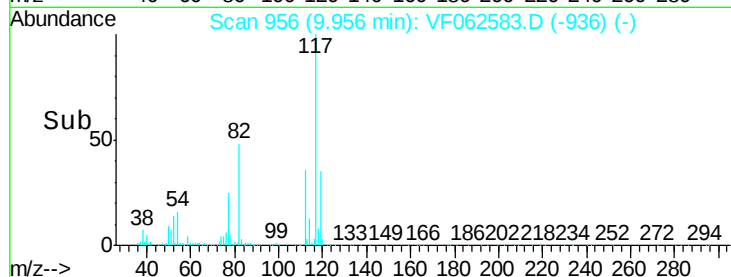
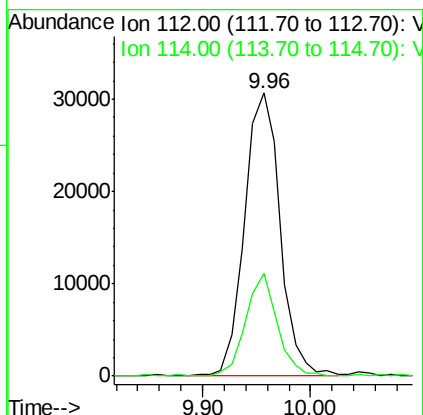
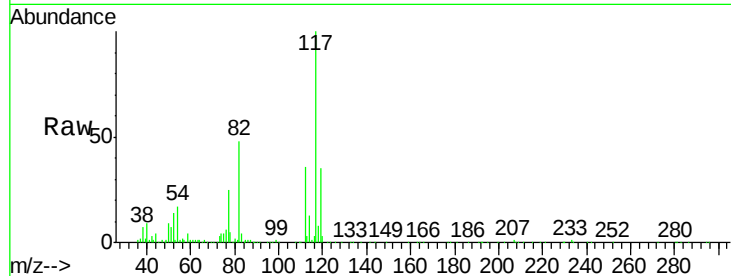




#65
Chlorobenzene
Concen: 4.866 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

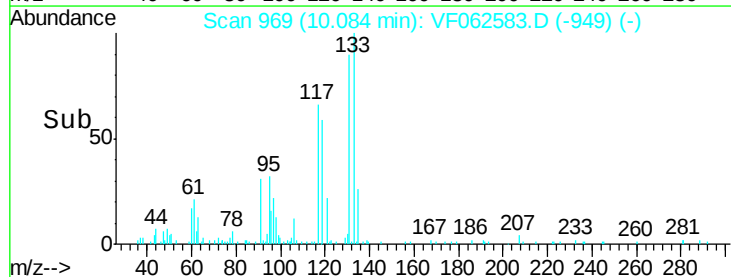
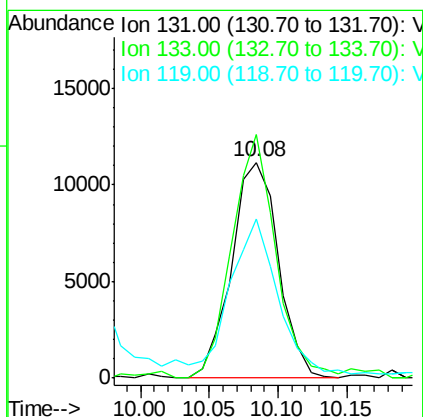
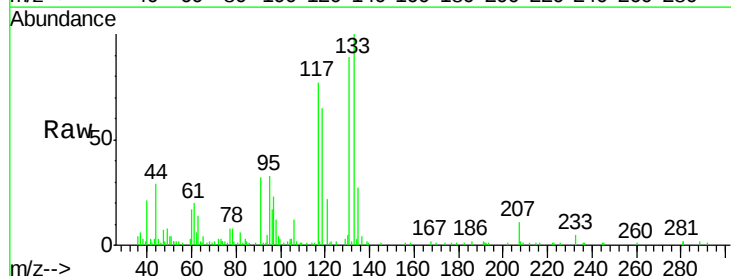
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

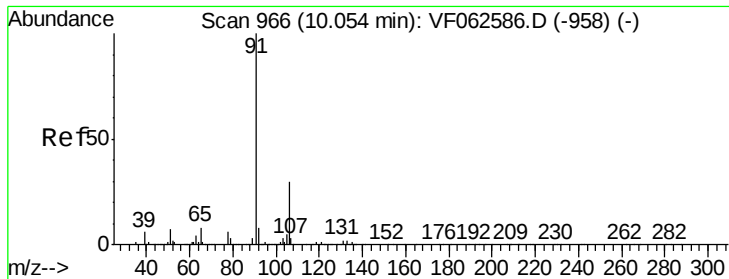
Tot Ion:112 Resp: 70033
Ion Ratio Lower Upper
112 100
114 36.1 27.9 41.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.266 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion:131 Resp: 26500
Ion Ratio Lower Upper
131 100
133 112.8 48.4 145.3
119 73.5 38.5 115.5





#67

Ethyl Benzene

Concen: 4.655 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

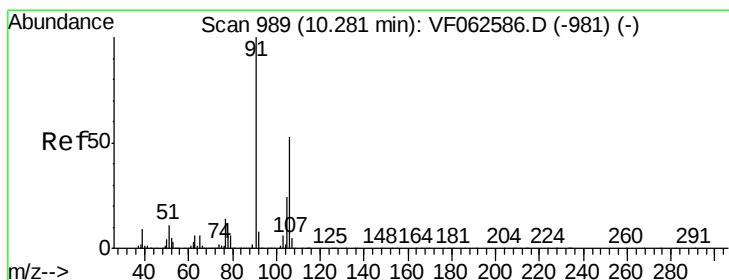
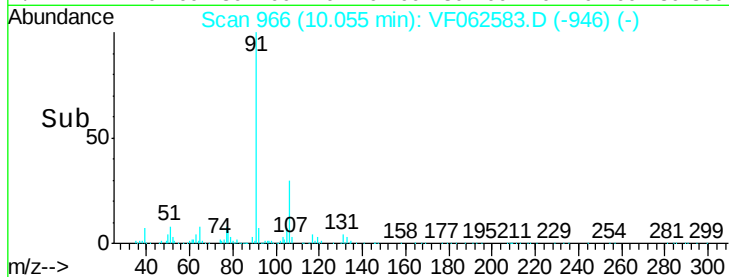
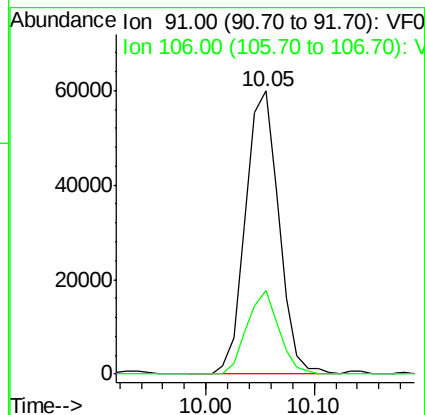
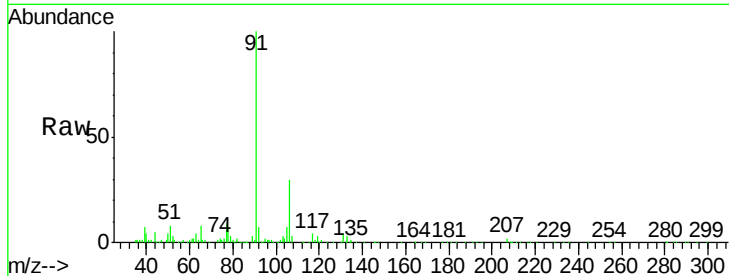
VSTDIC005

Tot Ion: 91 Resp: 129497

Ion Ratio Lower Upper

91 100

106 29.7 24.2 36.4



#68

m/p-Xylenes

Concen: 8.810 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF062583.D

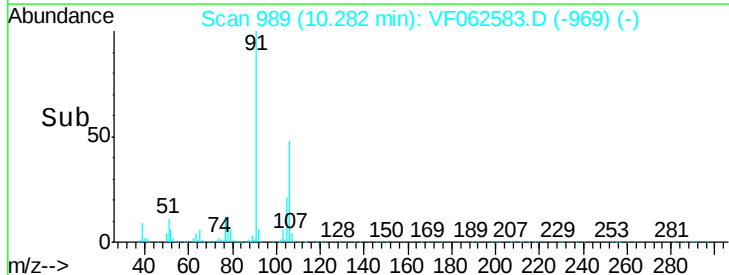
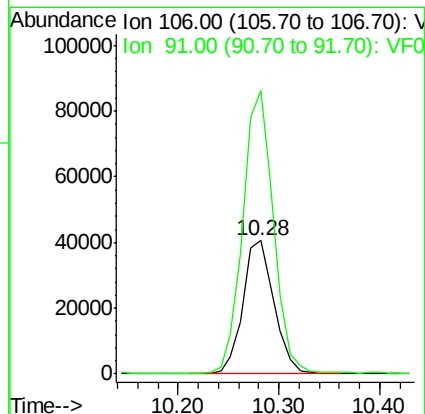
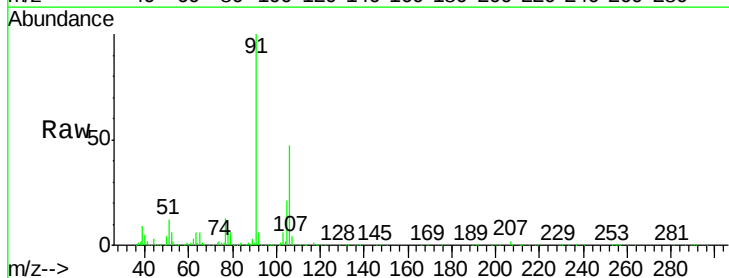
Acq: 14 May 2019 14:57

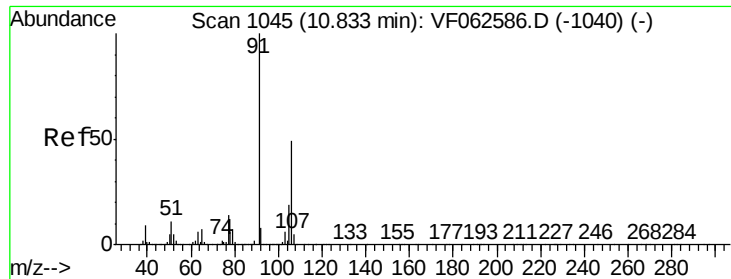
Tgt Ion: 106 Resp: 87822

Ion Ratio Lower Upper

106 100

91 212.3 150.5 225.7

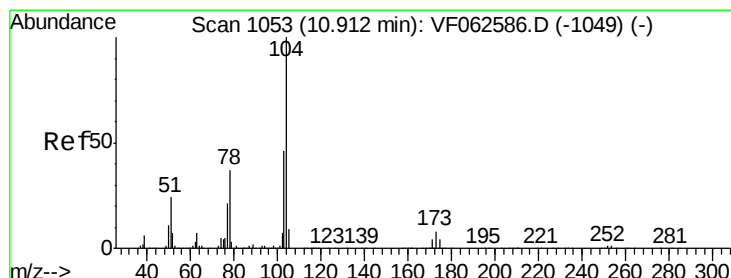
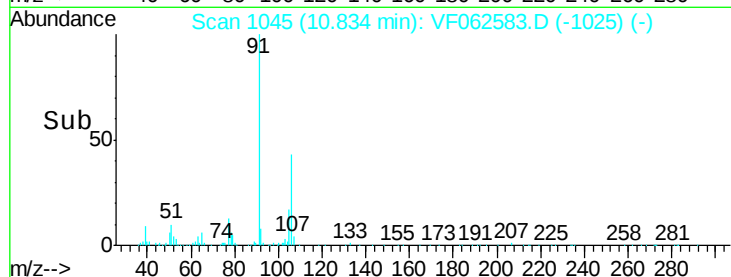
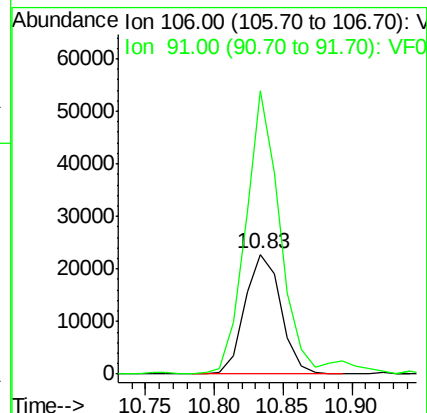
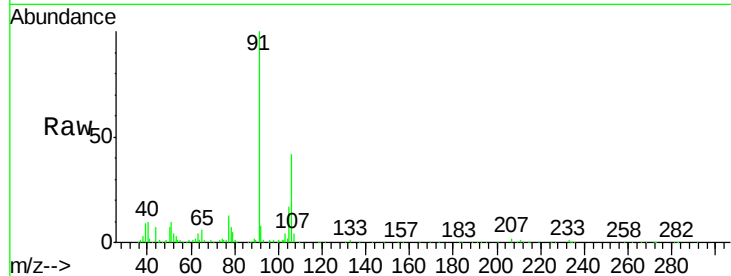




#69
o-Xylene
Concen: 4.204 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

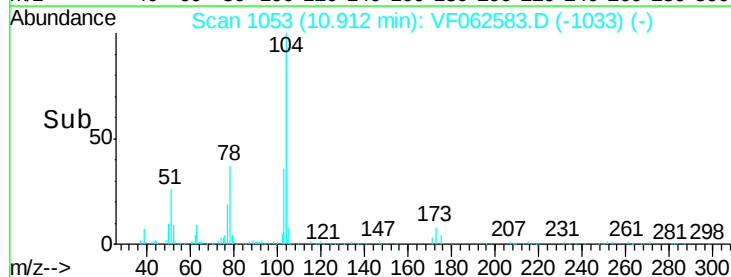
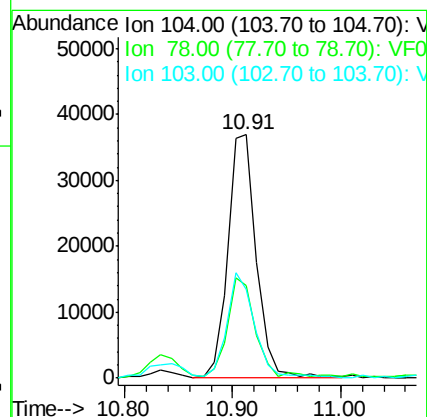
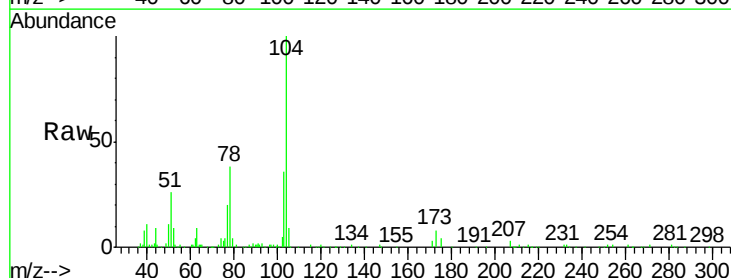
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

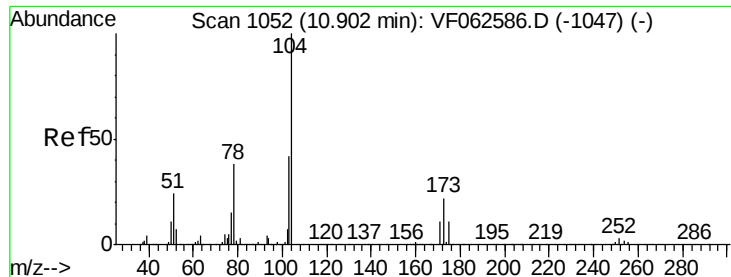
Tot Ion:106 Resp: 42157
Ion Ratio Lower Upper
106 100
91 236.0 102.0 305.9



#70
Styrene
Concen: 4.403 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion:104 Resp: 67548
Ion Ratio Lower Upper
104 100
78 37.9 30.2 45.2
103 36.4 37.0 55.6#





#71

Bromoform

Concen: 3.864 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

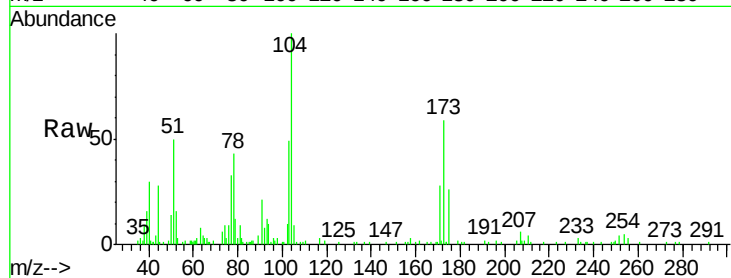
Tot Ion:173 Resp: 12260

Ion Ratio Lower Upper

173 100

175 43.5 24.1 72.3

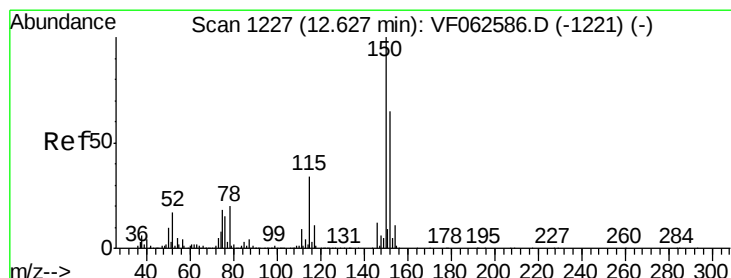
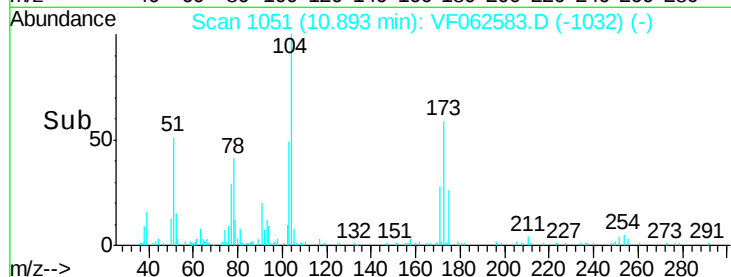
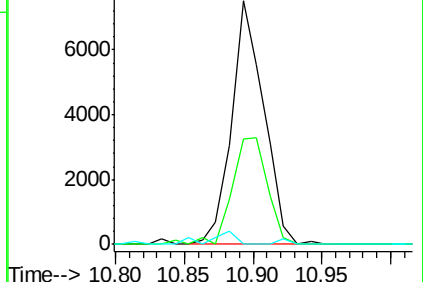
254 0.0 0.0 0.0



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: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

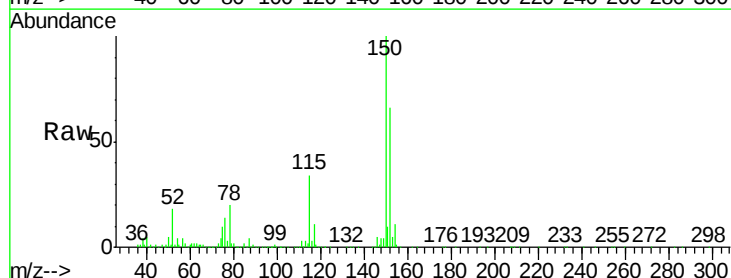
Tgt Ion:152 Resp: 349973

Ion Ratio Lower Upper

152 100

115 52.1 26.2 78.6

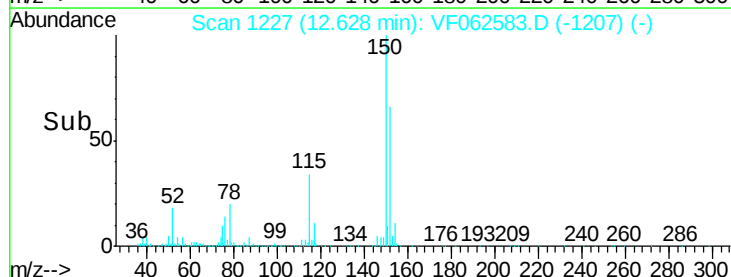
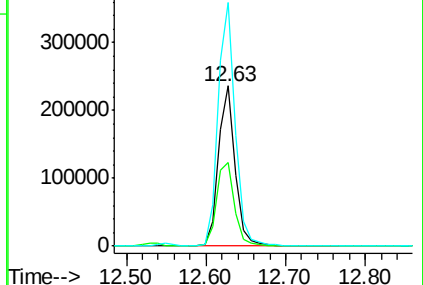
150 152.0 0.0 316.0

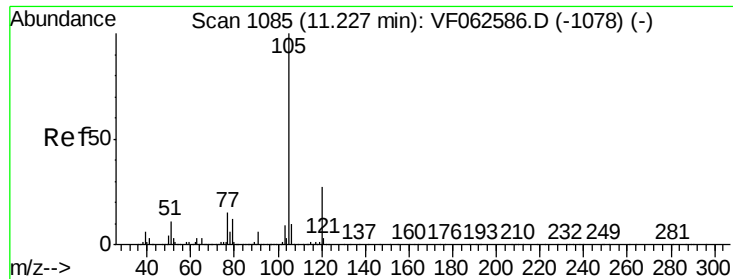


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.609 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

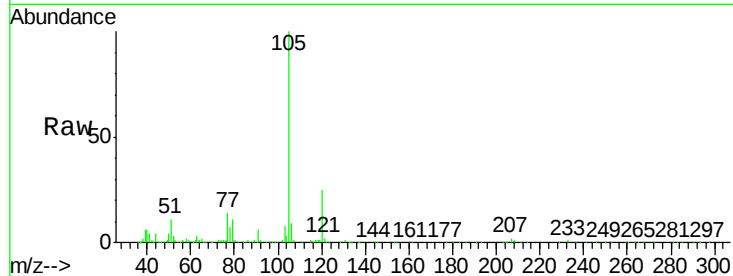
VSTDIC005

Tot Ion:105 Resp: 130207

Ion Ratio Lower Upper

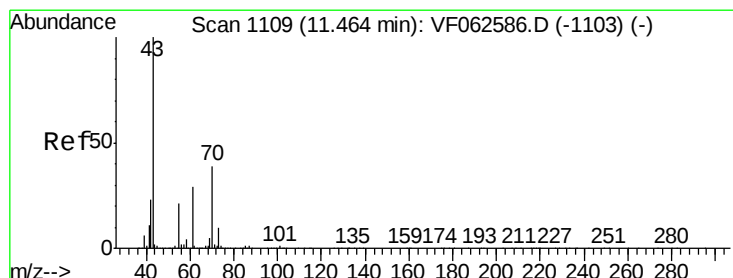
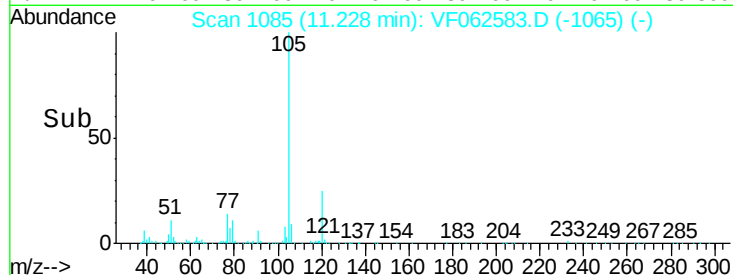
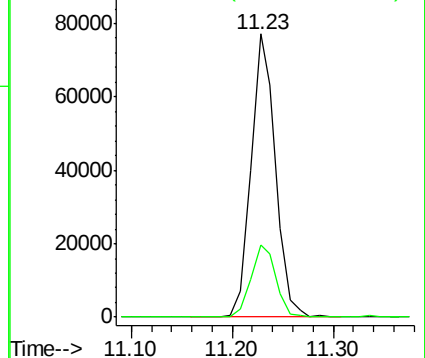
105 100

120 25.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.773 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Tgt Ion: 43 Resp: 28523

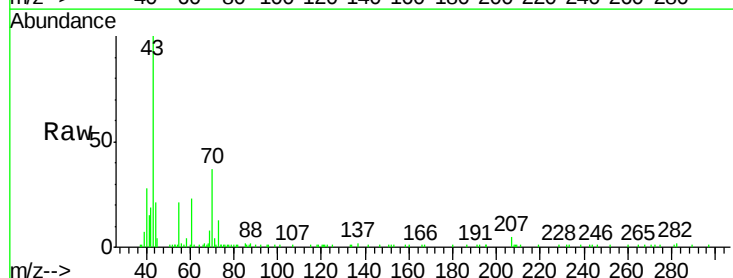
Ion Ratio Lower Upper

43 100

70 36.8 31.0 46.4

55 21.0 16.7 25.1

61 22.6 23.4 35.2#

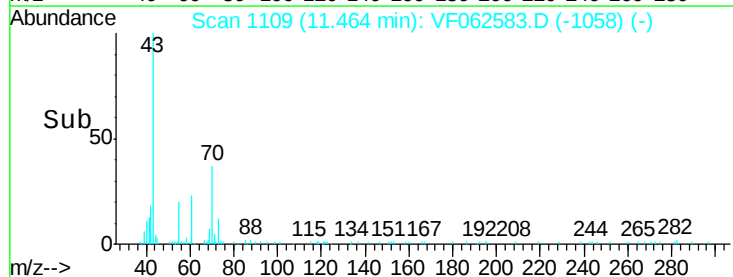
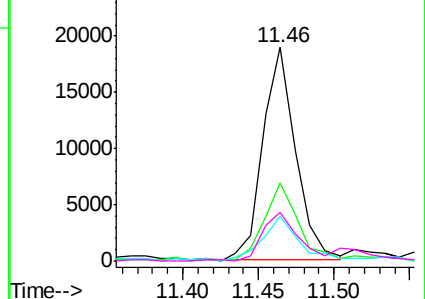


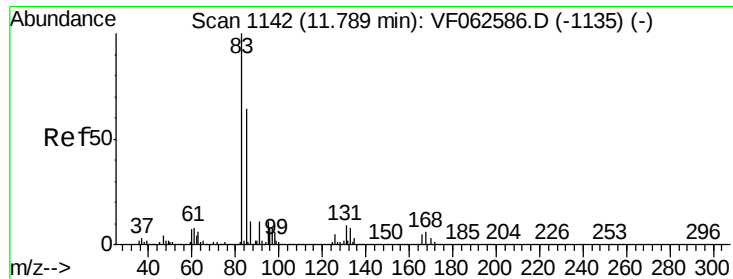
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 6.070 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

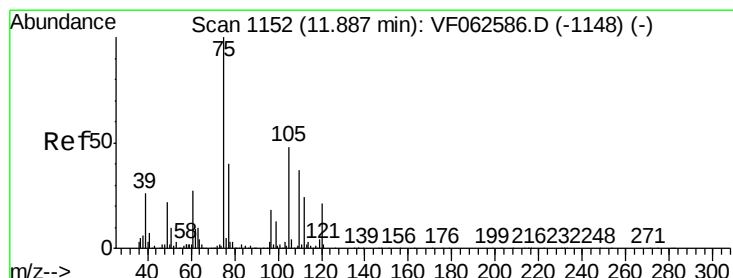
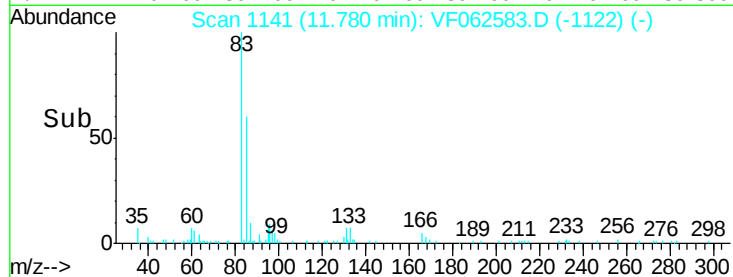
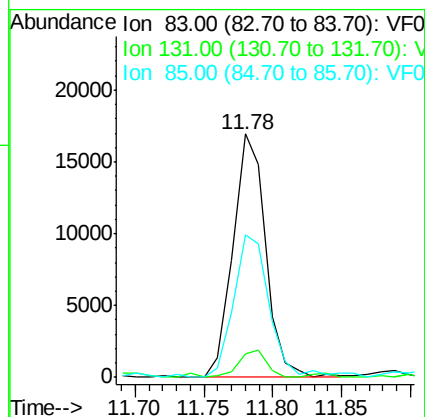
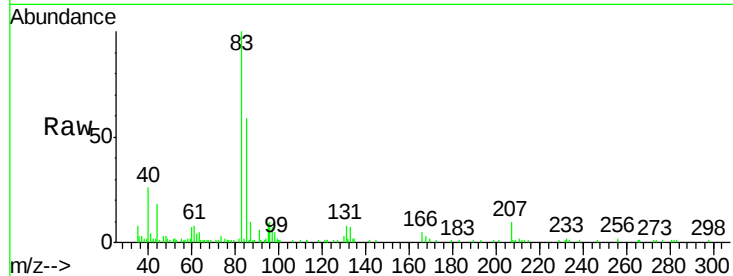
Tot Ion: 83 Resp: 28004

Ion Ratio Lower Upper

83 100

131 9.7 4.6 13.8

85 58.7 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 5.183 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062583.D

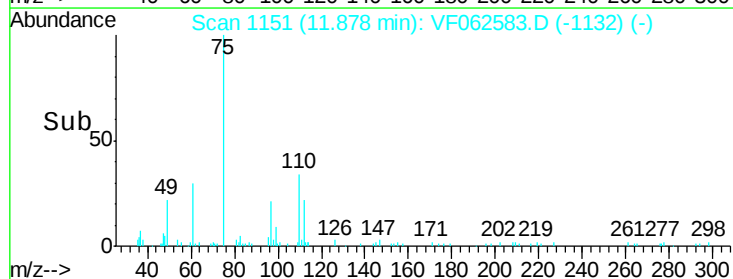
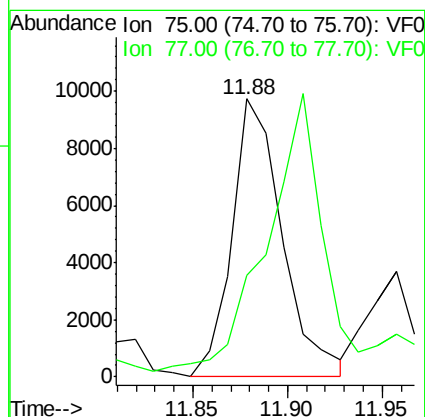
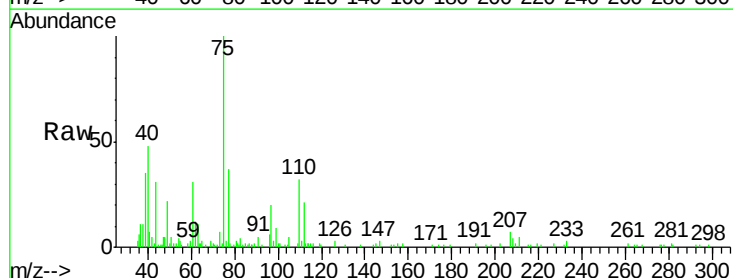
Acq: 14 May 2019 14:57

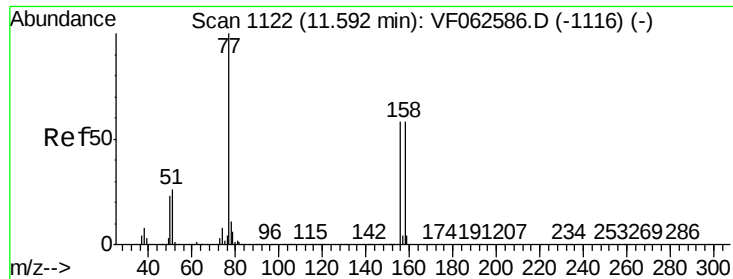
Tgt Ion: 75 Resp: 17949

Ion Ratio Lower Upper

75 100

77 36.7 20.4 61.3





#77

Bromobenzene

Concen: 4.715 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

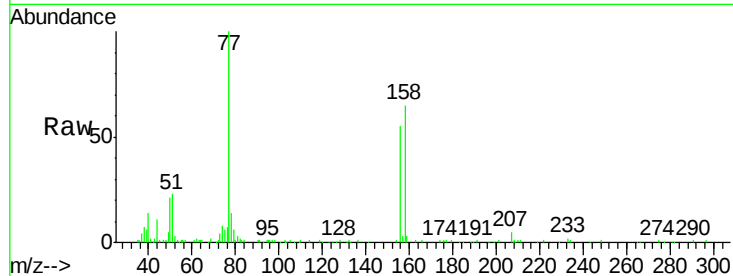
Tot Ion:156 Resp: 28203

Ion Ratio Lower Upper

156 100

77 182.9 86.5 259.5

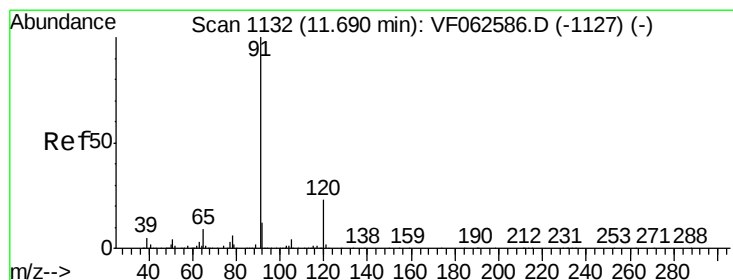
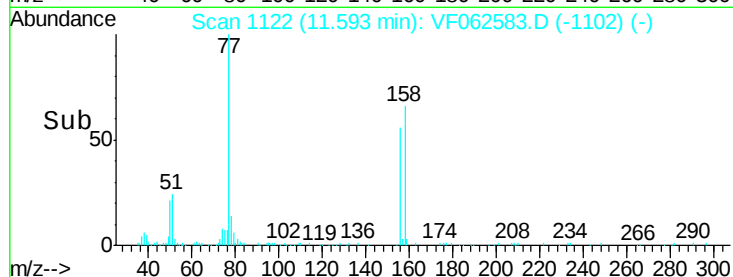
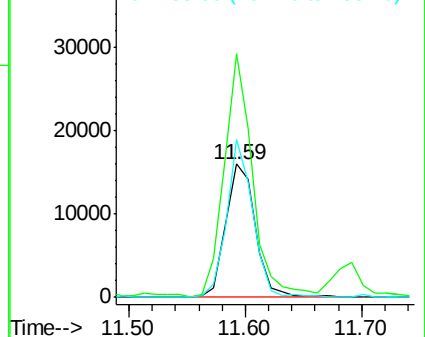
158 118.8 50.3 150.9



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: 4.950 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062583.D

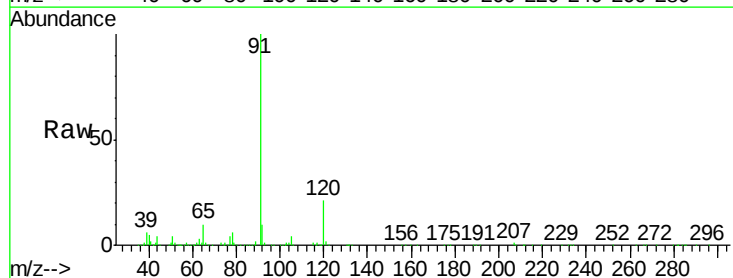
Acq: 14 May 2019 14:57

Tgt Ion: 91 Resp: 162745

Ion Ratio Lower Upper

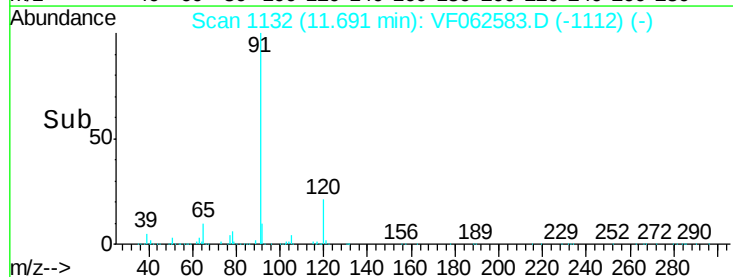
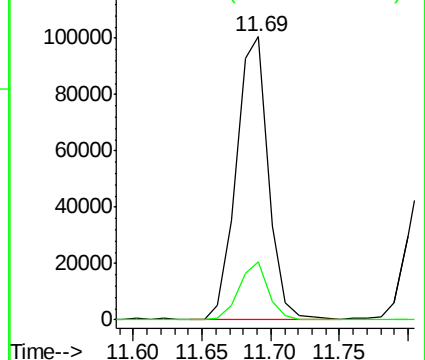
91 100

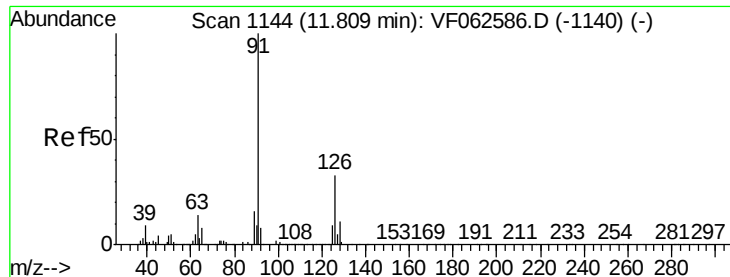
120 20.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.641 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

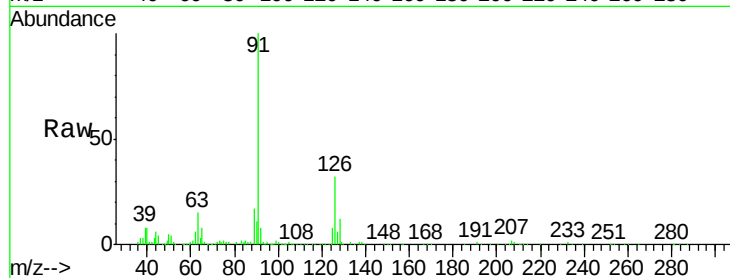
VSTDIC005

Tot Ion: 91 Resp: 87145

Ion Ratio Lower Upper

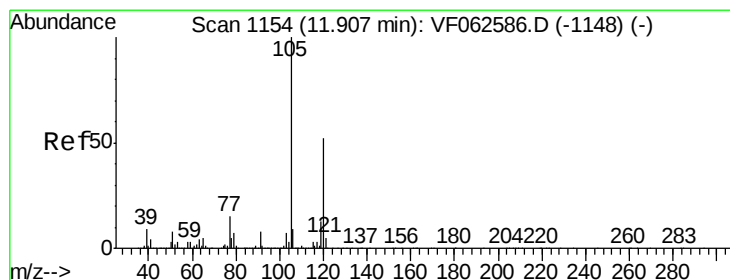
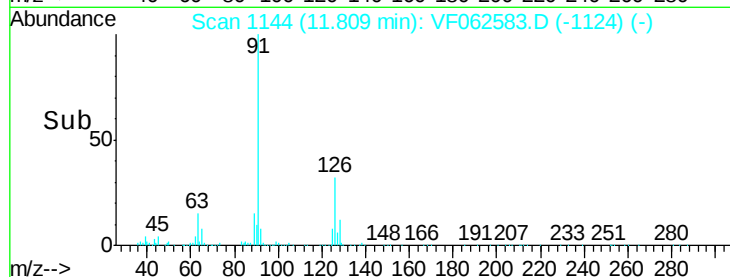
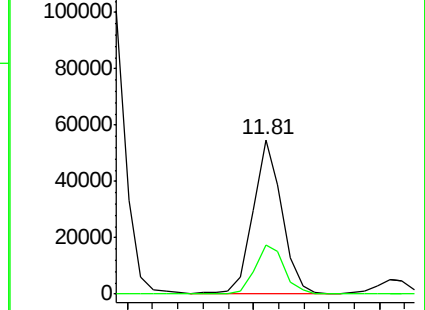
91 100

126 31.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 4.142 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062583.D

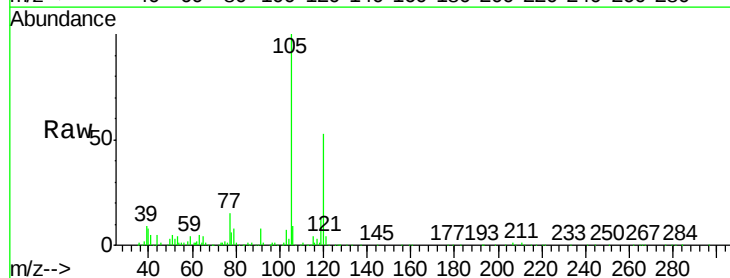
Acq: 14 May 2019 14:57

Tgt Ion:105 Resp: 97506

Ion Ratio Lower Upper

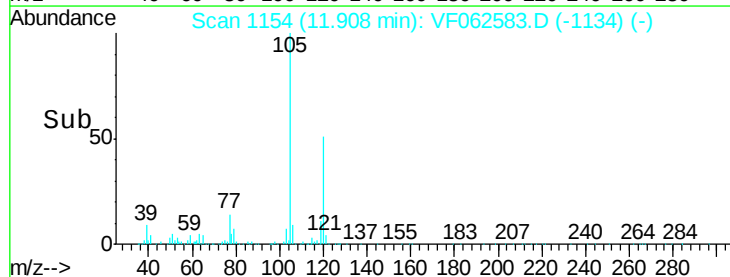
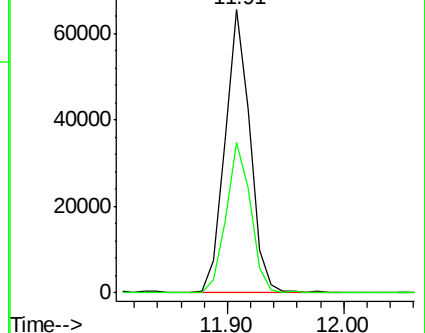
105 100

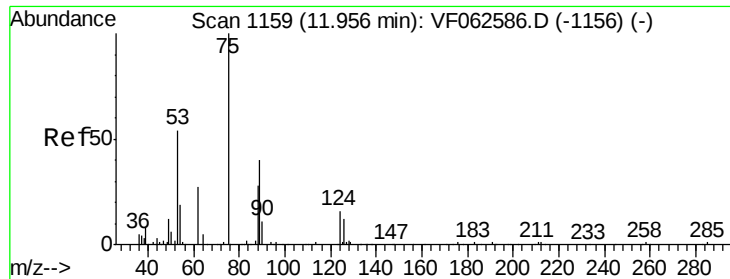
120 52.9 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.635 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

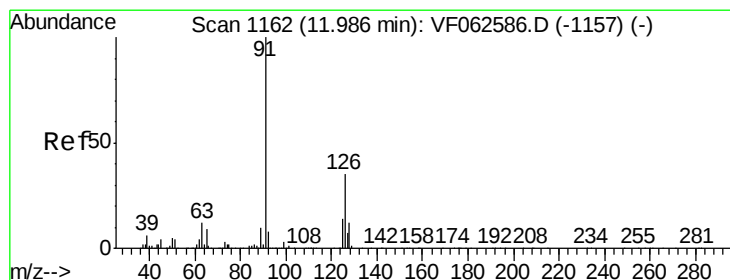
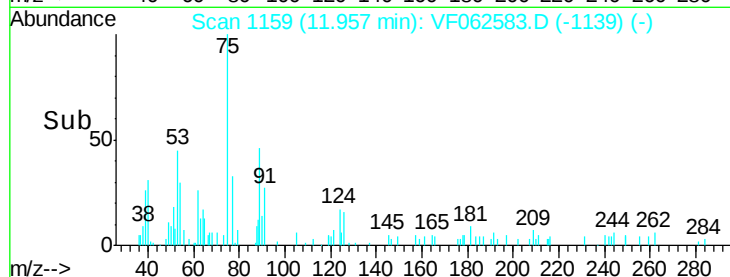
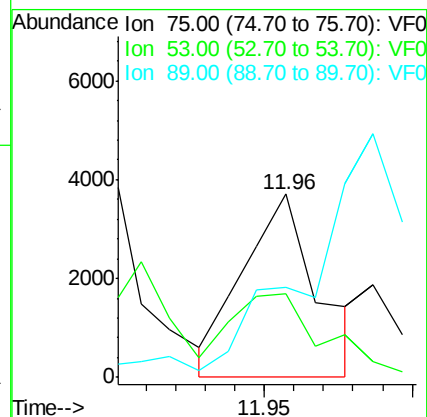
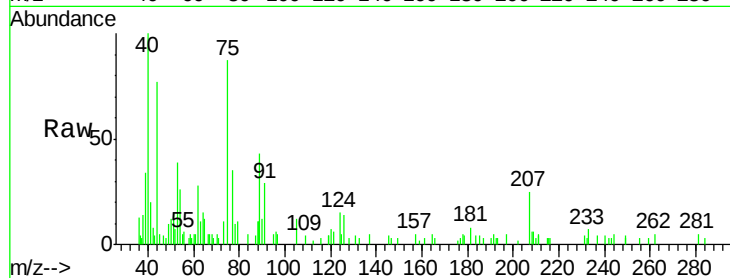
Tot Ion: 75 Resp: 6455

Ion Ratio Lower Upper

75 100

53 45.5 46.6 70.0#

89 49.2 33.8 50.8



#82

4-Chlorotoluene

Concen: 4.271 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062583.D

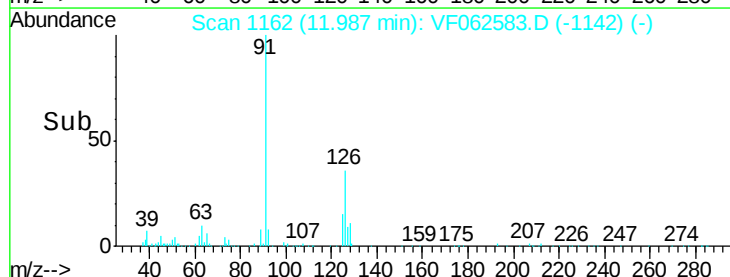
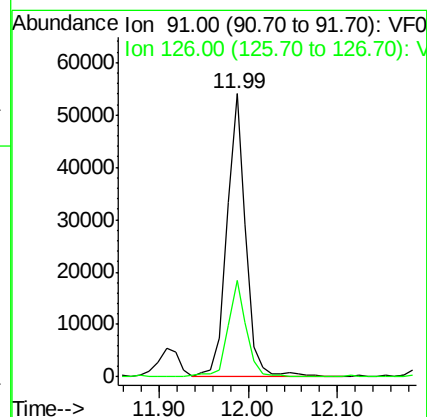
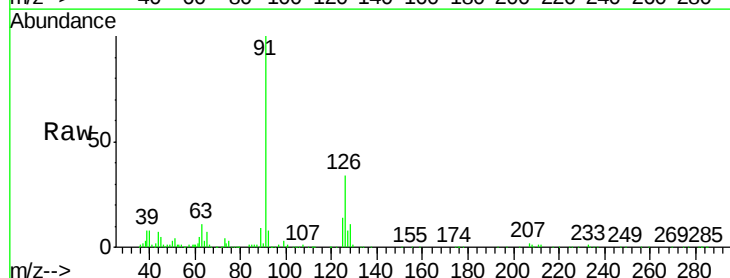
Acq: 14 May 2019 14:57

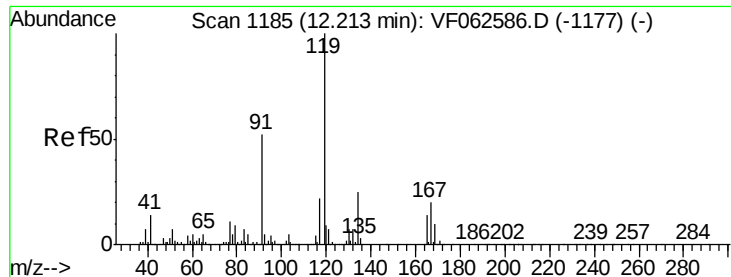
Tgt Ion: 91 Resp: 81072

Ion Ratio Lower Upper

91 100

126 34.2 17.5 52.5





#83

tert-Butylbenzene

Concen: 4.054 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

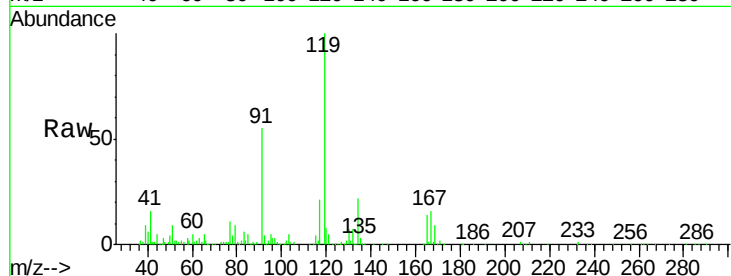
Tot Ion:119 Resp: 96608

Ion Ratio Lower Upper

119 100

91 54.8 26.0 78.0

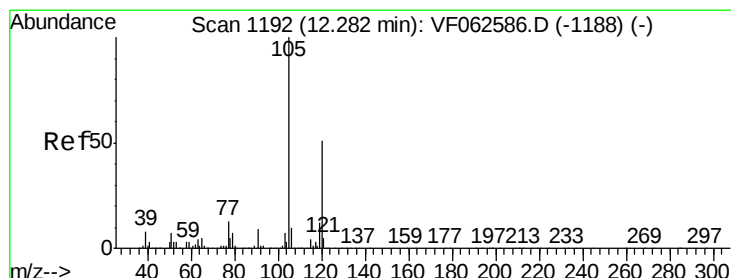
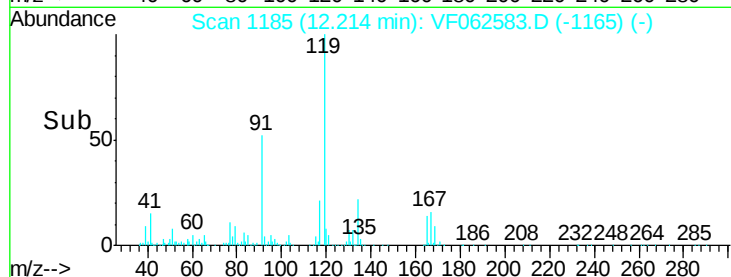
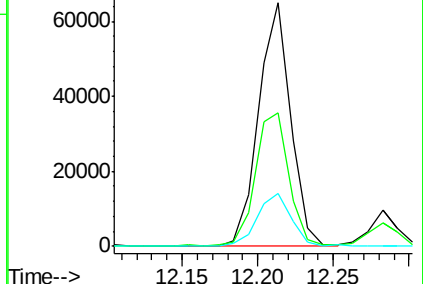
134 21.7 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.242 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062583.D

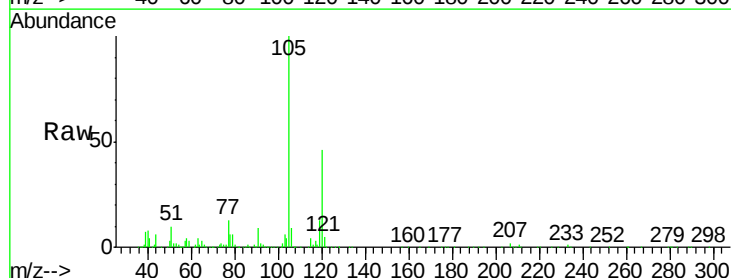
Acq: 14 May 2019 14:57

Tgt Ion:105 Resp: 99472

Ion Ratio Lower Upper

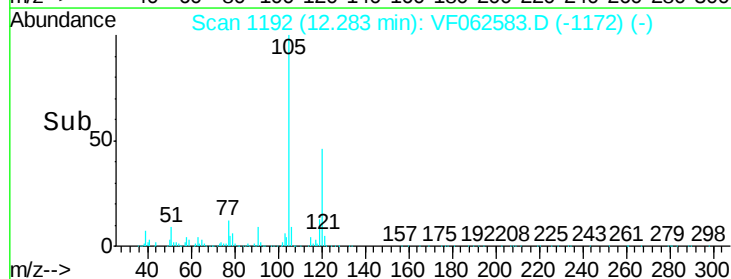
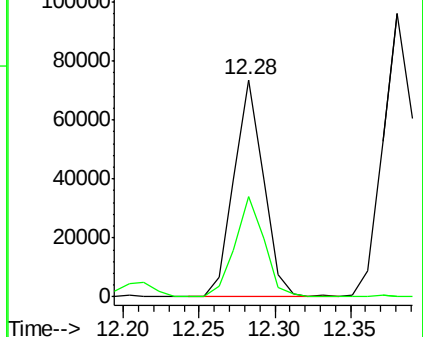
105 100

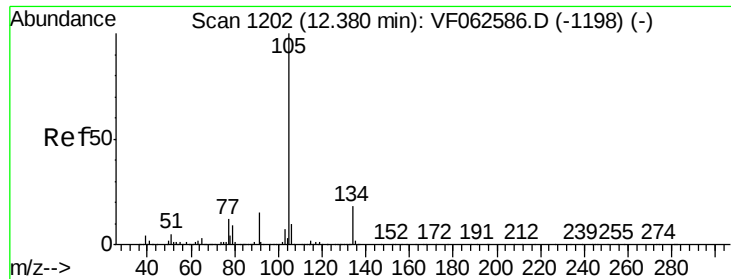
120 46.3 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.588 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

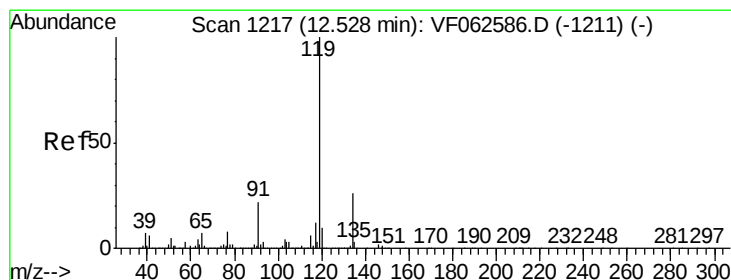
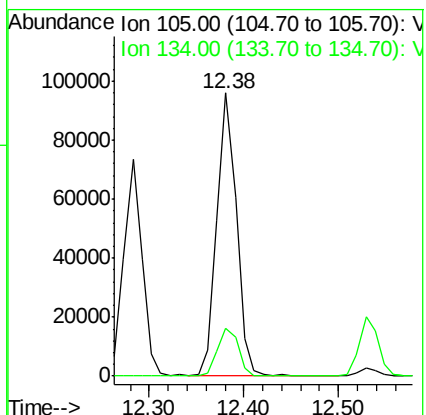
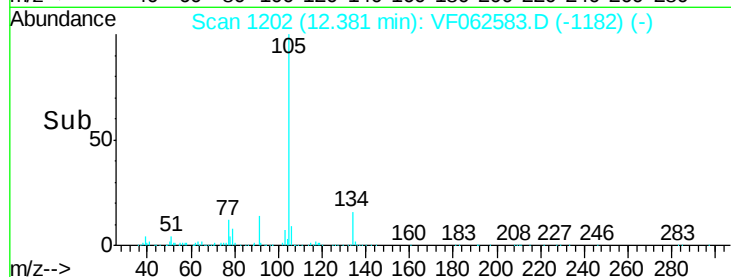
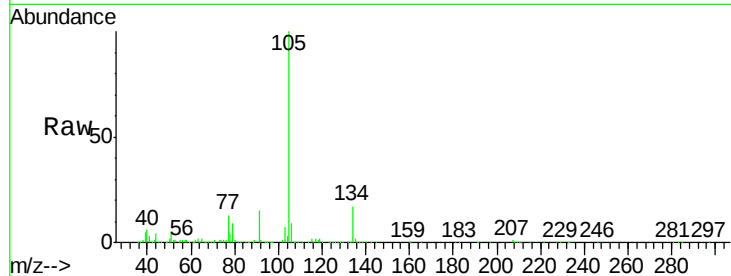
VSTDIC005

Tot Ion:105 Resp: 139298

Ion Ratio Lower Upper

105 100

134 17.1 9.3 27.7



#86

p-Isopropyltoluene

Concen: 4.124 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

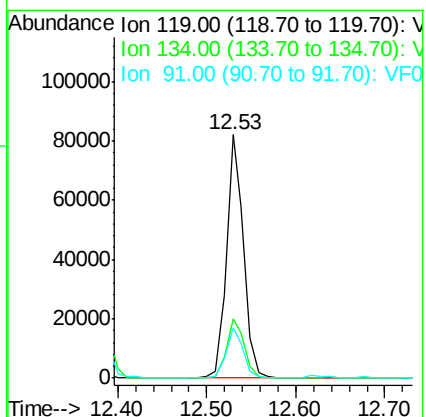
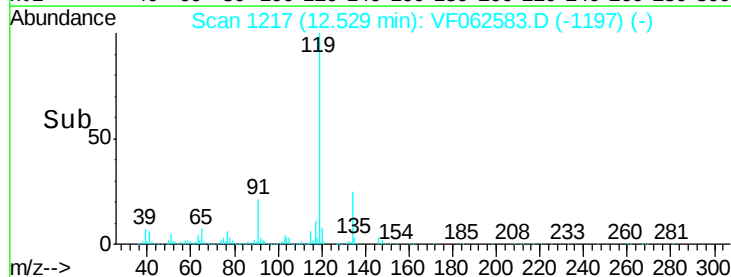
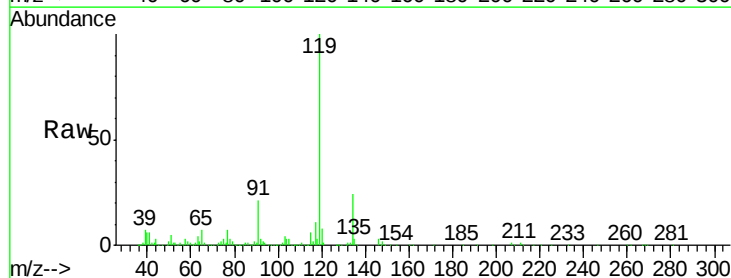
Tgt Ion:119 Resp: 111258

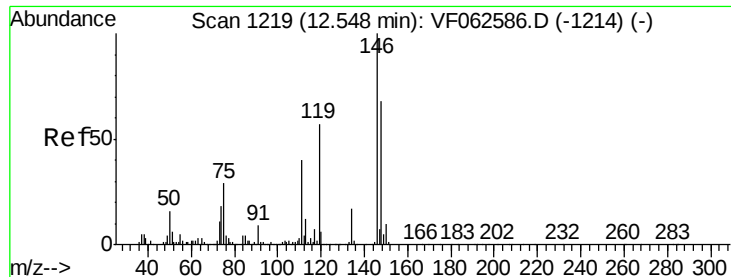
Ion Ratio Lower Upper

119 100

134 24.4 13.0 39.0

91 20.9 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 5.180 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

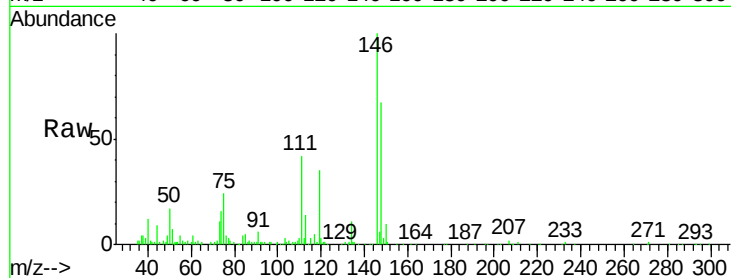
Tot Ion:146 Resp: 58659

Ion Ratio Lower Upper

146 100

111 41.9 20.1 60.2

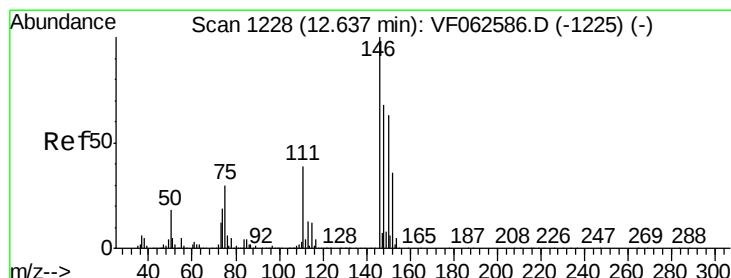
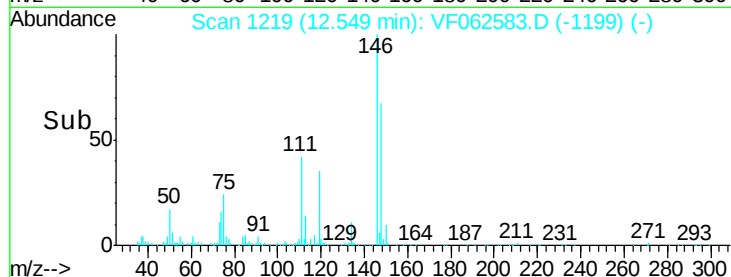
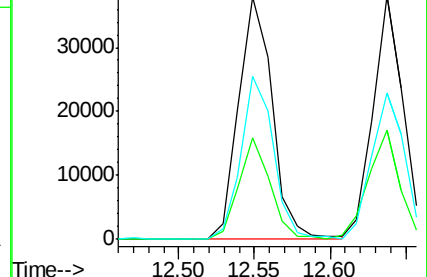
148 67.3 34.0 101.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 4.691 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

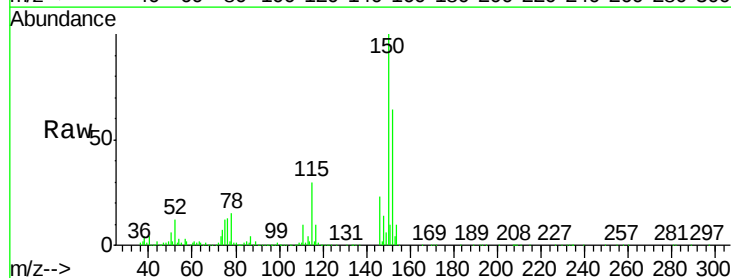
Tgt Ion:146 Resp: 53847

Ion Ratio Lower Upper

146 100

111 44.9 19.4 58.1

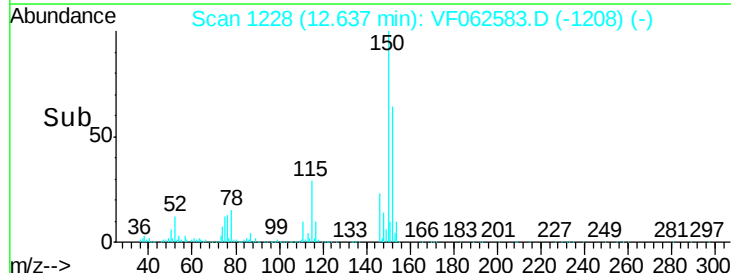
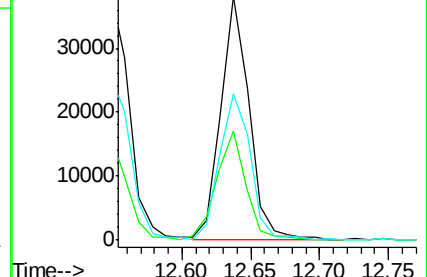
148 60.1 34.2 102.5

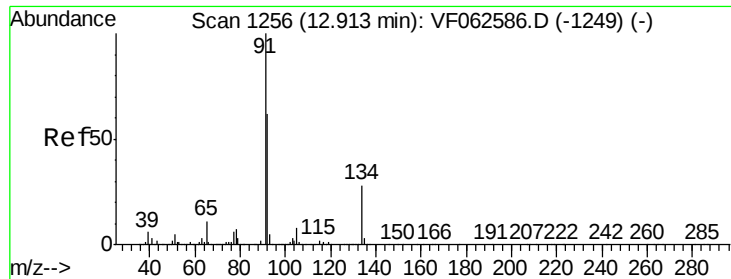


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 4.481 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

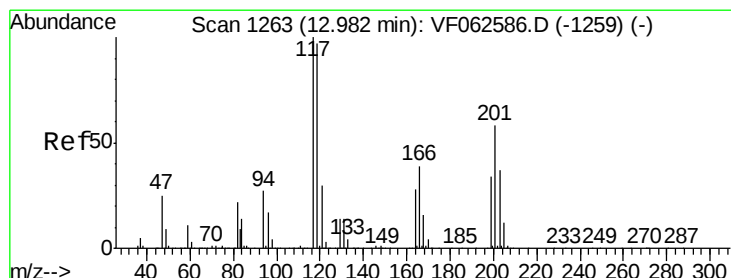
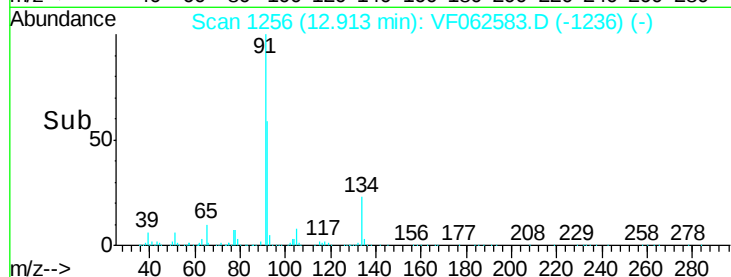
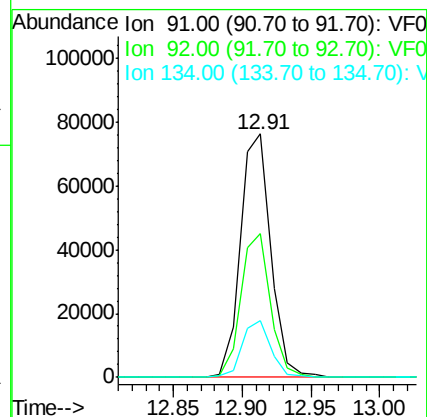
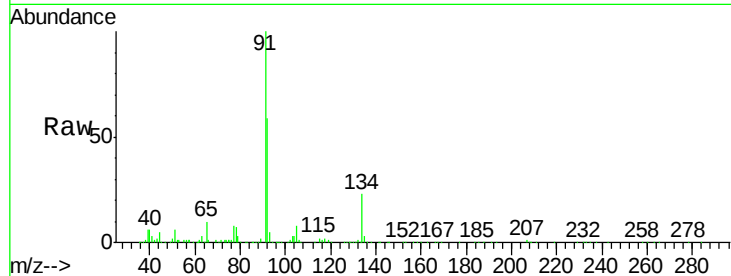
Tot Ion: 91 Resp: 117554

Ion Ratio Lower Upper

91 100

92 58.8 30.9 92.8

134 23.4 13.9 41.6



#90

Hexachloroethane

Concen: 4.594 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062583.D

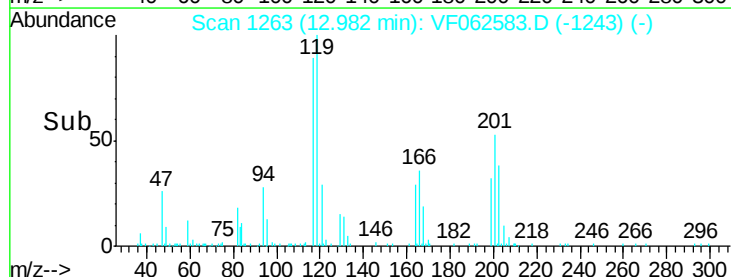
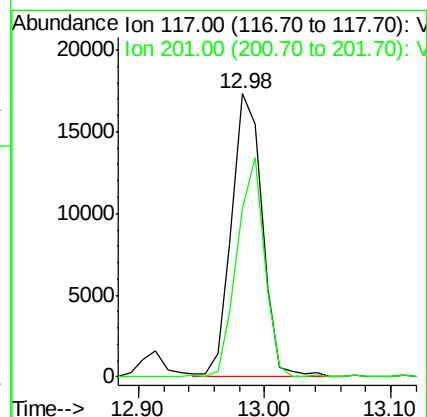
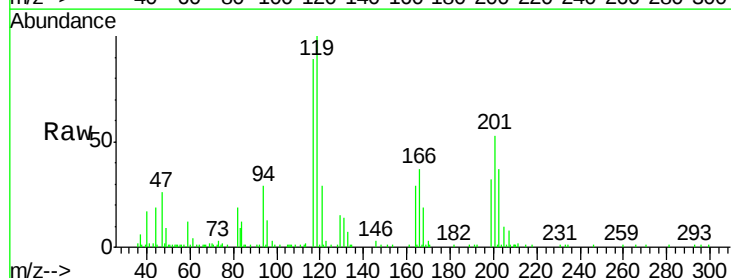
Acq: 14 May 2019 14:57

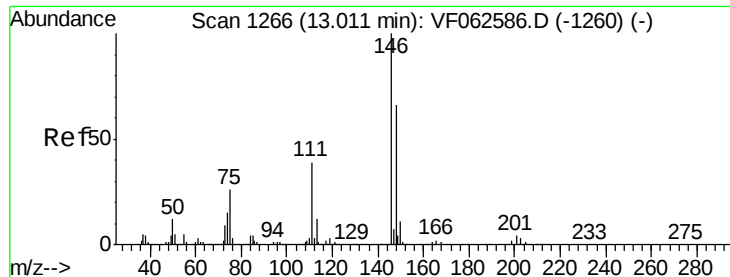
Tgt Ion: 117 Resp: 29112

Ion Ratio Lower Upper

117 100

201 59.2 29.7 89.1





#91

1,2-Dichlorobenzene

Concen: 4.905 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

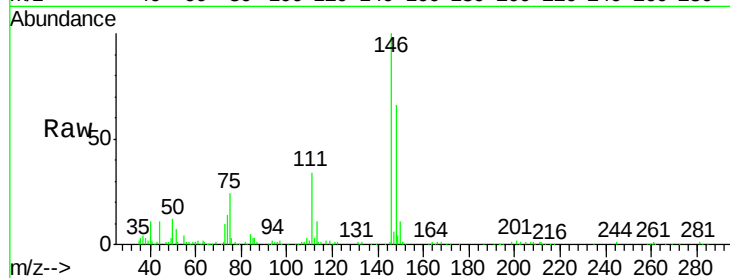
Tot Ion:146 Resp: 52592

Ion Ratio Lower Upper

146 100

111 34.2 19.4 58.2

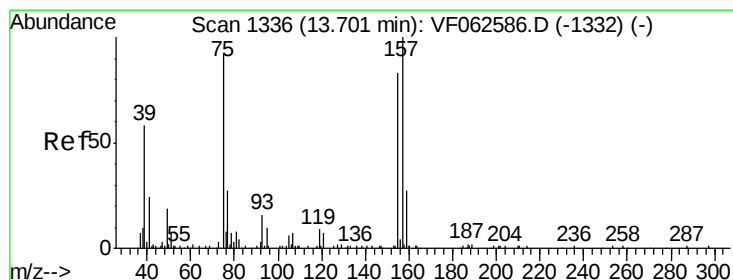
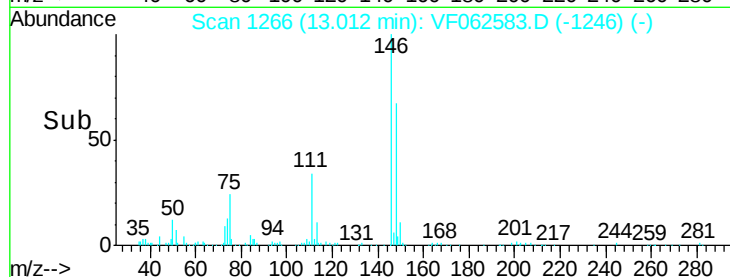
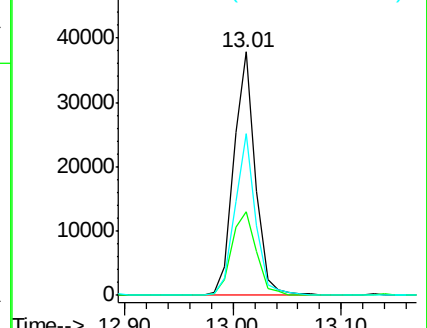
148 66.3 33.1 99.5



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: 3.073 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062583.D

Acq: 14 May 2019 14:57

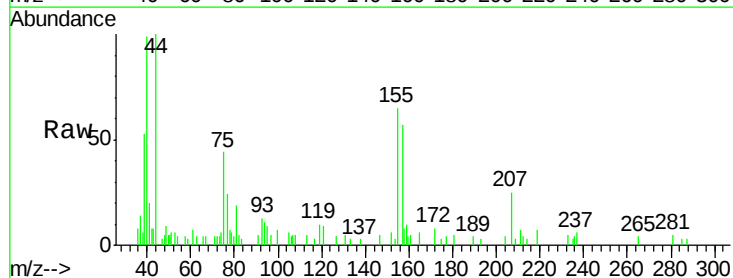
Tgt Ion: 75 Resp: 2943

Ion Ratio Lower Upper

75 100

155 148.9 44.8 134.4#

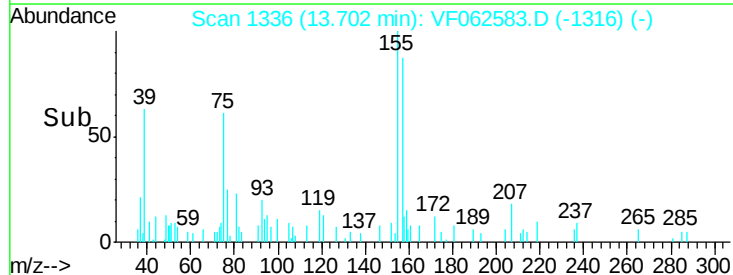
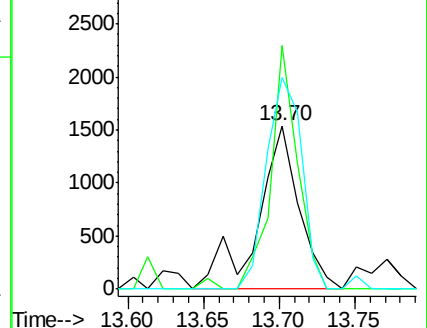
157 147.5 54.1 162.3

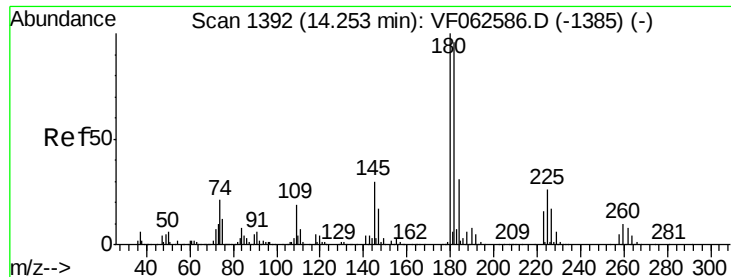


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

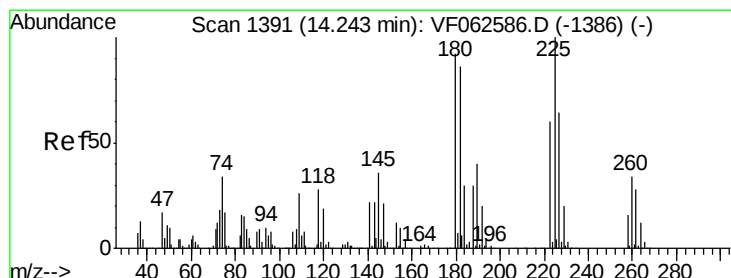
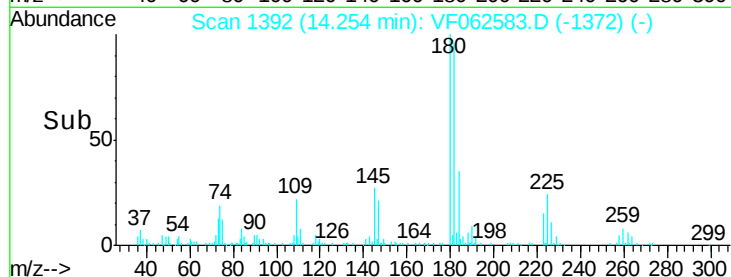
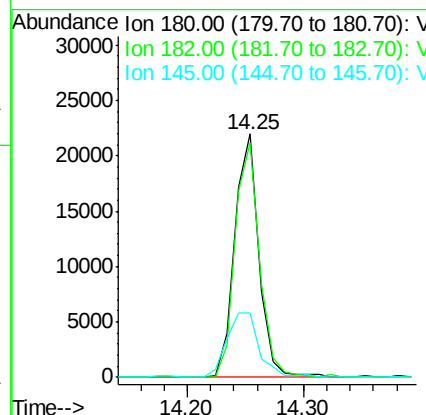
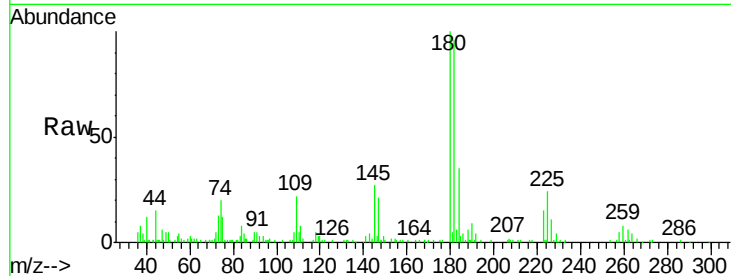




#93
 1,2,4-Trichlorobenzene
 Concen: 4.042 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

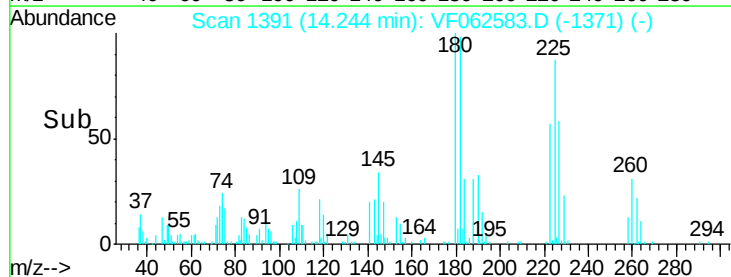
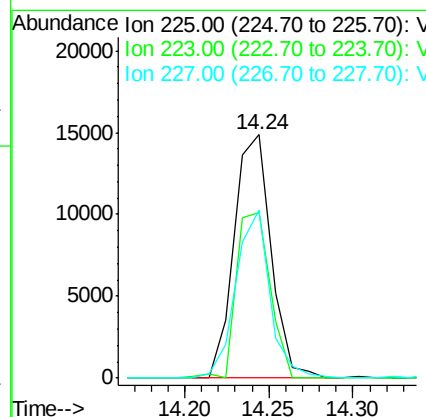
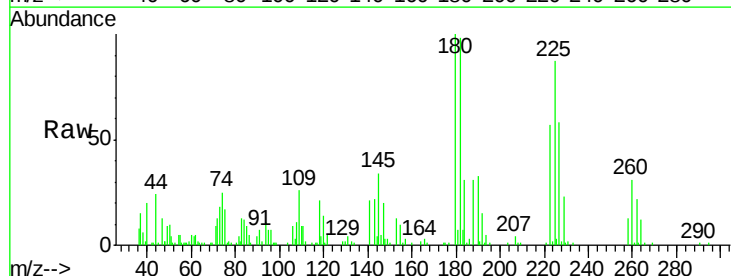
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

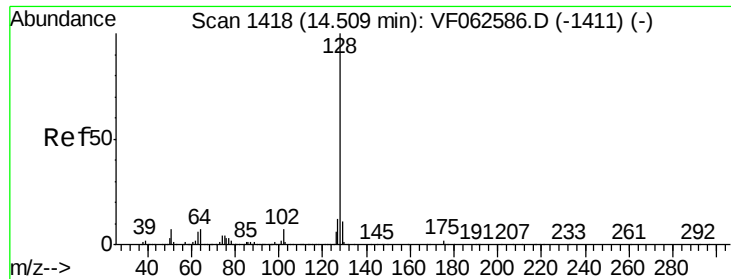
Tot Ion:180 Resp: 31629
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.9 143.8
 145 26.5 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 4.454 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062583.D
 Acq: 14 May 2019 14:57

Tgt Ion:225 Resp: 22622
 Ion Ratio Lower Upper
 225 100
 223 68.1 29.9 89.7
 227 68.8 31.9 95.9

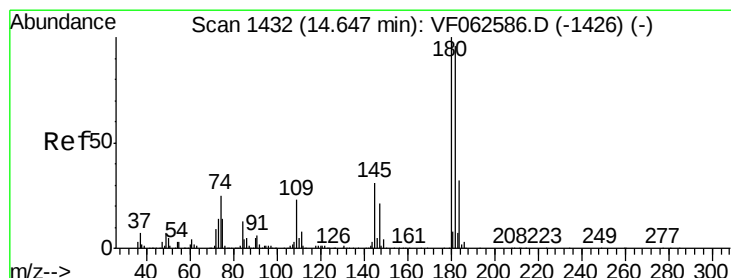
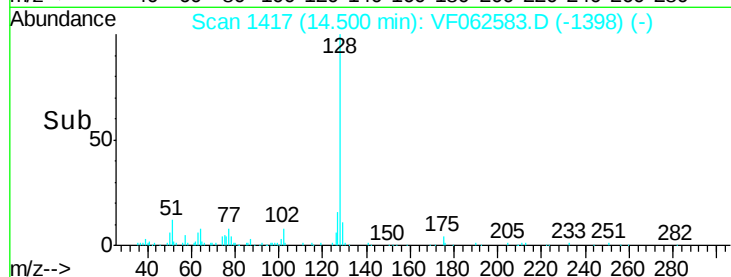
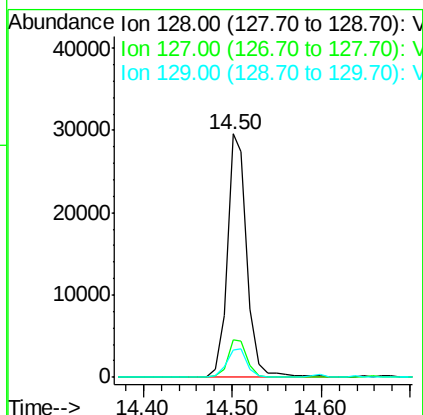
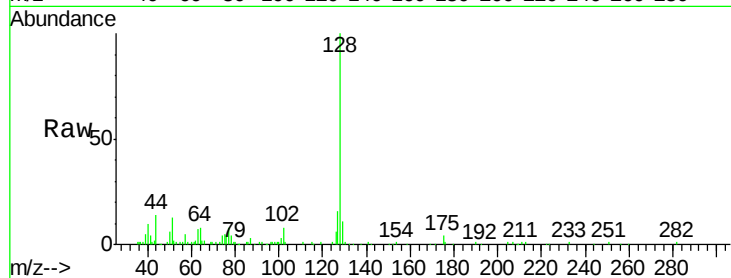




#95
Naphthalene
Concen: 3.580 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	9.5	14.3#
129	11.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.159 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062583.D
Acq: 14 May 2019 14:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	48.1	144.3
145	29.2	15.6	46.7

