

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062626.D
 Acq On : 16 May 2019 15:00
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: May 17 05:05:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	809076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1309748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	980541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	469996	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	57536	10.06	ug/l	0.00
Spiked Amount			Recovery	=	20.12%	
35) Dibromofluoromethane	4.32	113	109495	10.93	ug/l	0.00
Spiked Amount			Recovery	=	21.86%	
50) Toluene-d8	7.71	98	254433	10.63	ug/l	0.00
Spiked Amount			Recovery	=	21.26%	
62) 4-Bromofluorobenzene	11.50	95	96502	10.63	ug/l	0.00
Spiked Amount			Recovery	=	21.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	108746	9.877	ug/l	99
3) Chloromethane	1.16	50	95973	9.467	ug/l	100
4) Vinyl Chloride	1.20	62	87382	9.364	ug/l	91
5) Bromomethane	1.40	94	48396	9.480	ug/l	85
6) Chloroethane	1.46	64	32279	9.418	ug/l #	86
7) Trichlorofluoromethane	1.56	101	84774	7.181	ug/l	92
8) Diethyl Ether	1.71	74	23995	9.666	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	79552	9.971	ug/l	90
10) Methyl Iodide	2.00	142	159129	10.153	ug/l	95
11) Tert butyl alcohol	2.71	59	20289	53.751	ug/l	98
12) 1,1-Dichloroethene	1.89	96	74187	10.207	ug/l	92
13) Acrolein	2.11	56	24598	62.429	ug/l	82
14) Allyl chloride	2.20	41	61485	8.610	ug/l	95
15) Acrylonitrile	3.09	53	56613	53.170	ug/l	91
16) Acetone	2.35	43	78329	52.809	ug/l	94
17) Carbon Disulfide	1.93	76	208727	10.079	ug/l	98
18) Methyl Acetate	2.46	43	23157	9.136	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	134422	10.346	ug/l	98
20) Methylene Chloride	2.29	84	20680	2.798	ug/l	88
21) trans-1,2-Dichloroethene	2.43	96	68787	9.683	ug/l	96
22) Diisopropyl ether	2.94	45	170427	10.505	ug/l	98
23) Vinyl Acetate	3.36	43	603982	55.187	ug/l	97
24) 1,1-Dichloroethane	3.01	63	110904	9.318	ug/l	99
25) 2-Butanone	4.54	43	165792	52.317	ug/l	95
26) 2,2-Dichloropropane	3.78	77	64573	9.482	ug/l	78
27) cis-1,2-Dichloroethene	3.65	96	119730	10.246	ug/l	100
28) Bromochloromethane	3.91	49	74312	11.133	ug/l	98
29) Tetrahydrofuran	4.28	42	75119	58.578	ug/l	98
30) Chloroform	4.06	83	166675	10.086	ug/l	93
31) Cyclohexane	3.88	56	95303	6.432	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	104004	9.477	ug/l	94
36) 1,1-Dichloropropene	4.48	75	140112	10.440	ug/l	97
37) Ethyl Acetate	4.31	43	60789	11.093	ug/l #	75
38) Carbon Tetrachloride	4.19	117	89171	9.431	ug/l	89

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	161310	9.989	ug/l	95
40) Benzene	4.84	78	377813	10.333	ug/l	97
41) Methacrylonitrile	4.94	41	30765	10.709	ug/l	90
42) 1,2-Dichloroethane	5.14	62	75323	10.331	ug/l	91
43) Isopropyl Acetate	7.12	43	86901	12.241	ug/l #	95
44) Trichloroethene	5.68	130	108649	10.573	ug/l	95
45) 1,2-Dichloropropane	6.41	63	96610	10.467	ug/l	96
46) Dibromomethane	6.27	93	56214	10.539	ug/l #	79
47) Bromodichloromethane	6.56	83	106468	9.615	ug/l	93
48) Methyl methacrylate	6.89	41	41120	11.082	ug/l	94
49) 1,4-Dioxane	6.88	88	11012	231.706	ug/l #	86
51) 4-Methyl-2-Pentanone	8.40	43	311119	64.114	ug/l	98
52) Toluene	7.78	92	189854	9.901	ug/l	78
53) t-1,3-Dichloropropene	8.43	75	94664	10.449	ug/l	93
54) cis-1,3-Dichloropropene	7.47	75	131230	10.348	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	58282	10.266	ug/l	92
56) Ethyl methacrylate	8.76	69	79480	11.751	ug/l	96
57) 1,3-Dichloropropane	9.01	76	100202	10.362	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	116397	52.868	ug/l	96
59) 2-Hexanone	9.63	43	246720	69.539	ug/l	98
60) Dibromochloromethane	8.87	129	75699	10.230	ug/l	93
61) 1,2-Dibromoethane	9.13	107	60307	10.001	ug/l	94
64) Tetrachloroethene	8.32	164	80418	10.352	ug/l	94
65) Chlorobenzene	9.94	112	198765	10.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	82461	10.666	ug/l	92
67) Ethyl Benzene	10.03	91	356995	10.670	ug/l	96
68) m/p-Xylenes	10.27	106	258818	20.583	ug/l	81
69) o-Xylene	10.82	106	134063	10.351	ug/l	98
70) Styrene	10.90	104	197001	10.007	ug/l	95
71) Bromoform	10.88	173	38305	9.892	ug/l #	100
73) Isopropylbenzene	11.21	105	344663	10.232	ug/l	91
74) N-amyl acetate	11.45	43	167296	16.098	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	74279	10.790	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	53156	11.752	ug/l	99
77) Bromobenzene	11.58	156	90359	10.792	ug/l	94
78) n-propylbenzene	11.68	91	435784	10.931	ug/l	93
79) 2-Chlorotoluene	11.80	91	252669	11.246	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	300521	11.126	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	28454	11.322	ug/l	94
82) 4-Chlorotoluene	11.97	91	240436	10.852	ug/l	87
83) tert-Butylbenzene	12.20	119	293757	10.720	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	292369	11.184	ug/l	89
85) sec-Butylbenzene	12.37	105	414723	11.277	ug/l	92
86) p-Isopropyltoluene	12.53	119	343382	11.079	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	167494	11.057	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	155165	10.915	ug/l	97
89) n-Butylbenzene	12.90	91	362407	11.860	ug/l	87
90) Hexachloroethane	12.98	117	78379	10.542	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	146246	10.830	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	9176	11.173	ug/l	89

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Instrument :
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ClientSampleId :
VSTDICC010

Quant Time: May 17 05:05:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

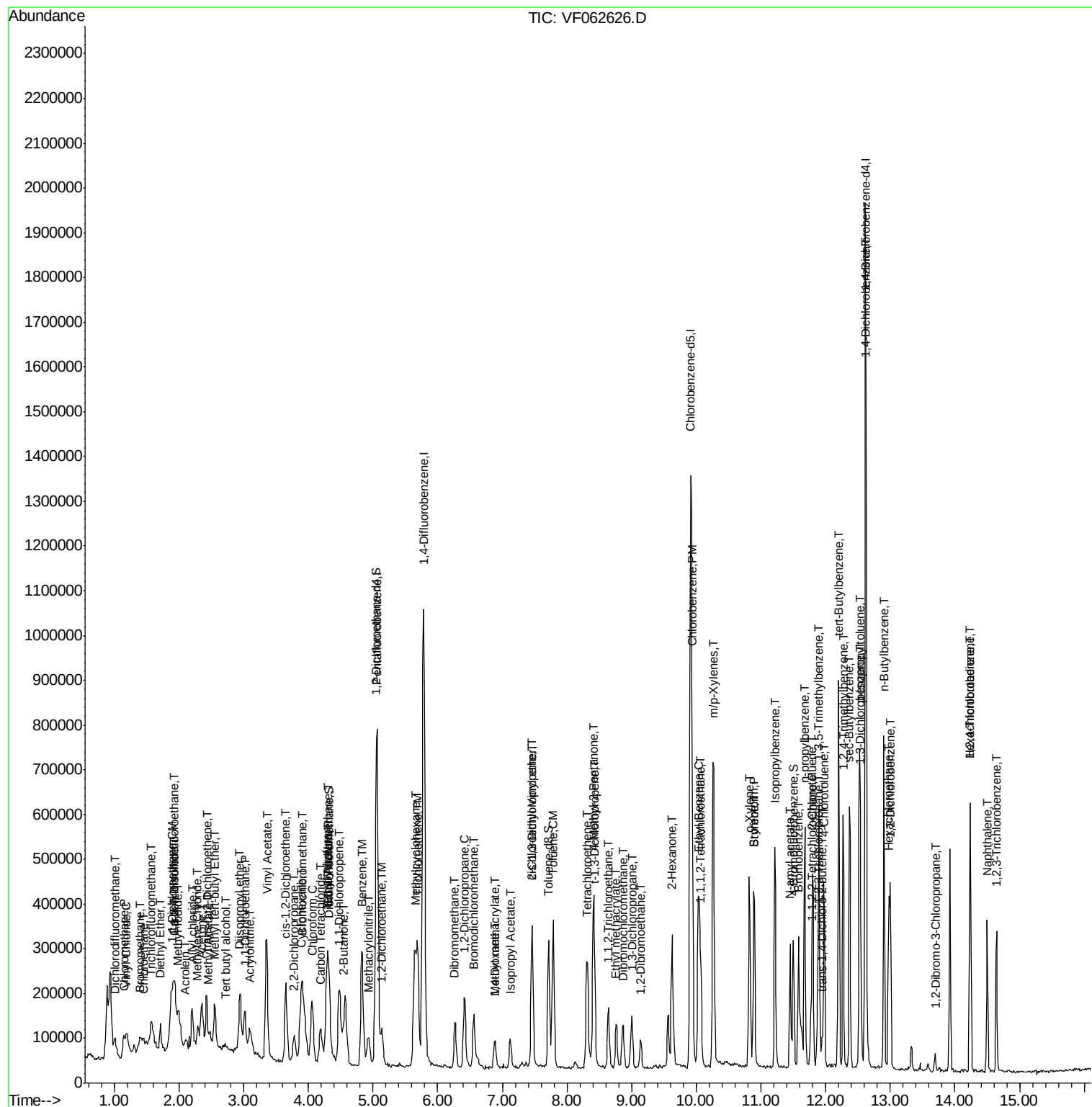
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	109132	11.291	ug/l	91
94) Hexachlorobutadiene	14.23	225	71894	10.658	ug/l	94
95) Naphthalene	14.50	128	230470	13.125	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	96699	10.562	ug/l	98

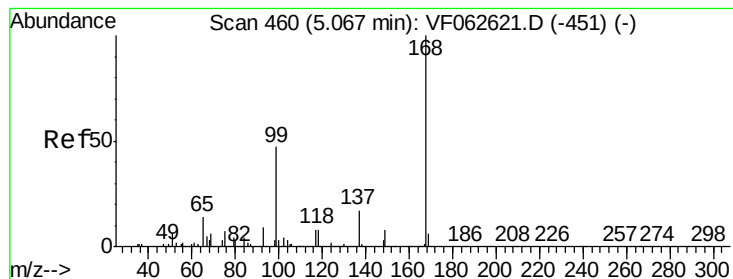
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

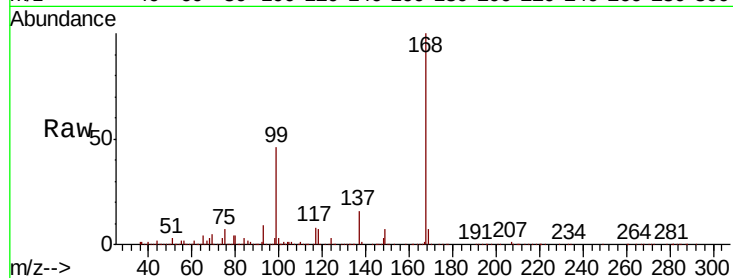
VSTDIC010

Tot Ion:168 Resp: 809076

Ion Ratio Lower Upper

168 100

99 46.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

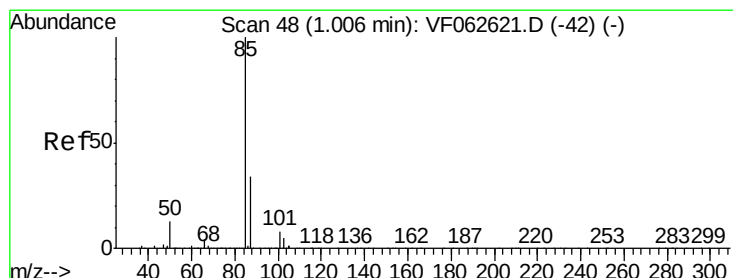
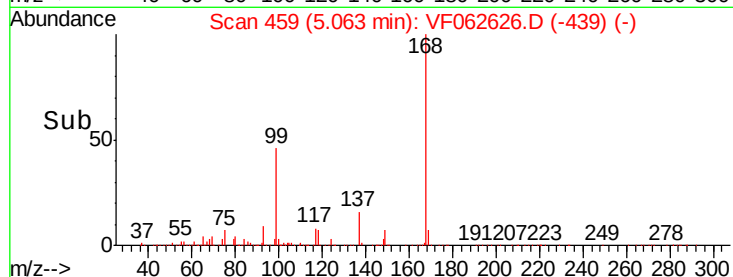
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.877 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062626.D

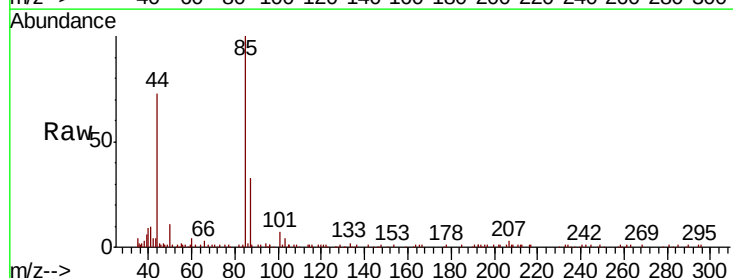
Acq: 16 May 2019 15:00

Tgt Ion: 85 Resp: 108746

Ion Ratio Lower Upper

85 100

87 33.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

30000

25000

20000

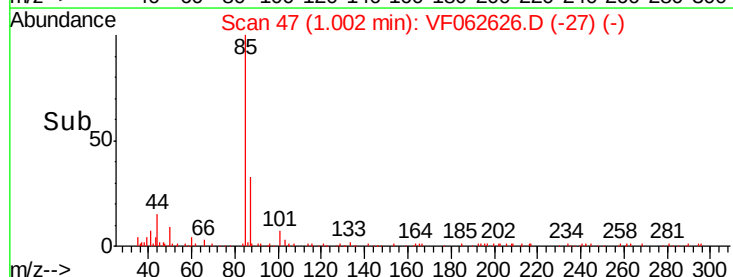
15000

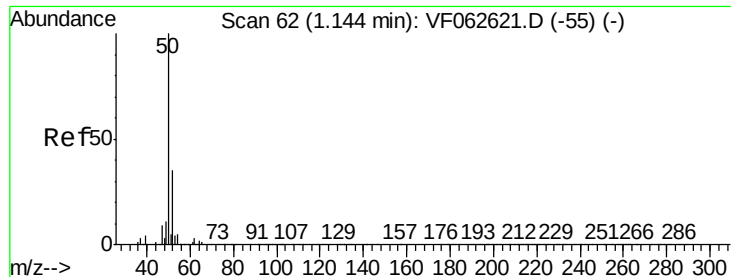
10000

5000

0

Time-->





#3

Chloromethane

Concen: 9.467 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.02 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

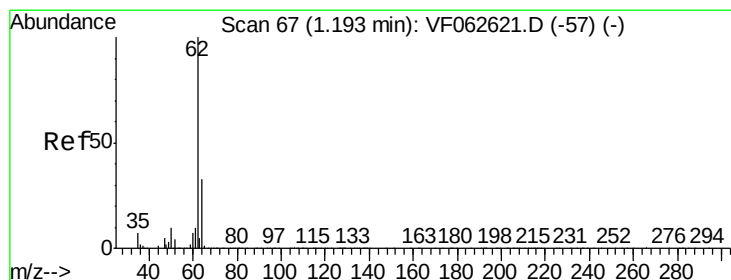
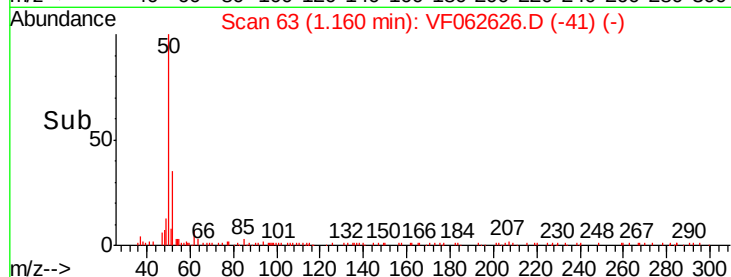
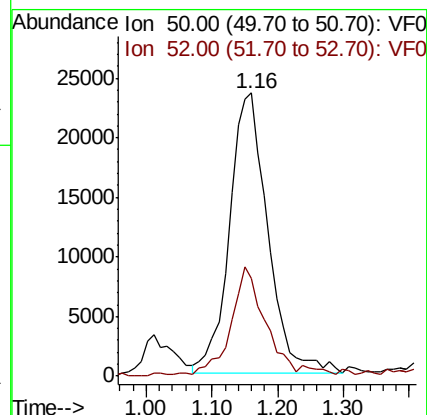
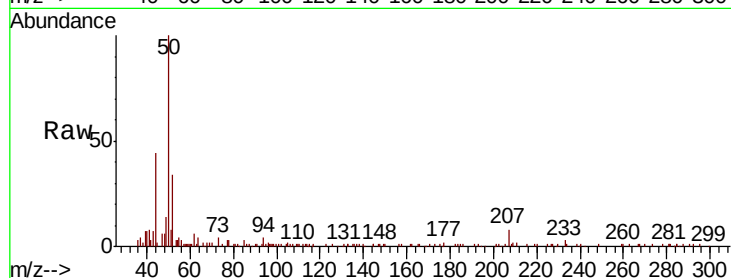
VSTDIC010

Tot Ion: 50 Resp: 95973

Ion Ratio Lower Upper

50 100

52 34.4 27.5 41.3



#4

Vinyl Chloride

Concen: 9.364 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062626.D

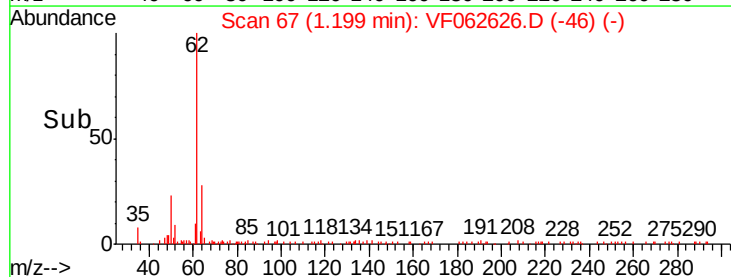
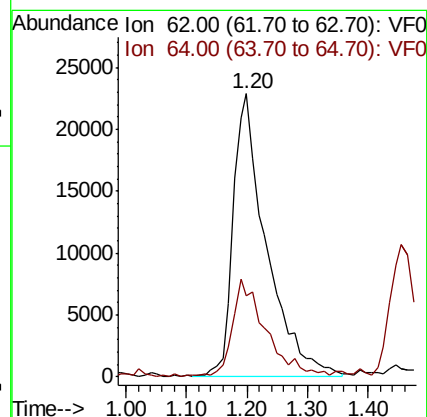
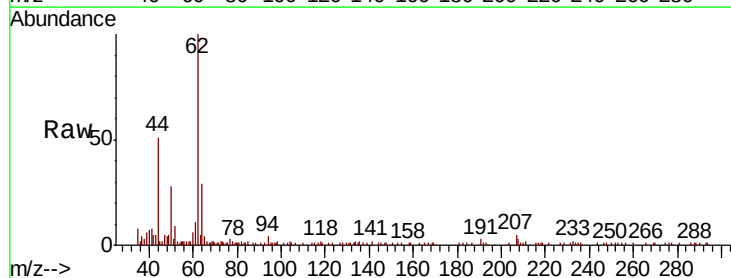
Acq: 16 May 2019 15:00

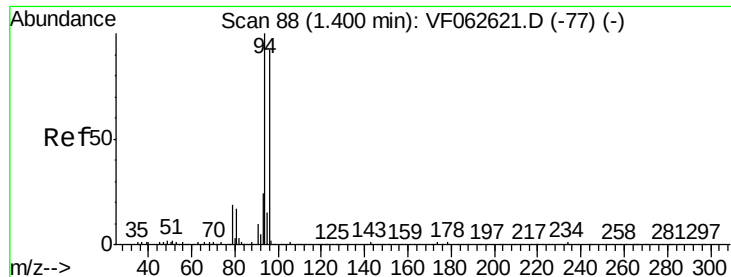
Tgt Ion: 62 Resp: 87382

Ion Ratio Lower Upper

62 100

64 28.6 26.7 40.1





#5

Bromomethane

Concen: 9.480 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

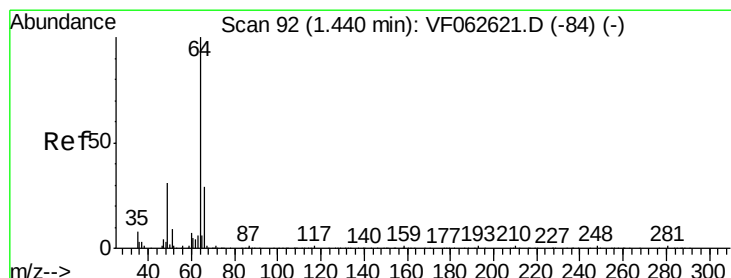
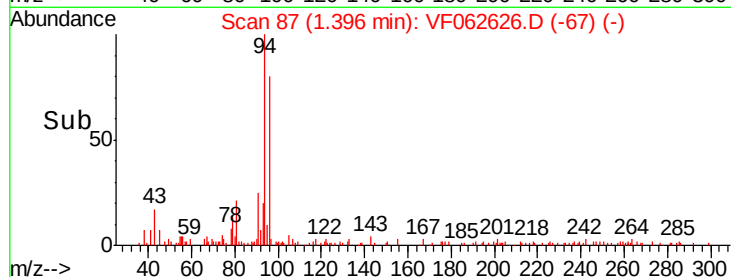
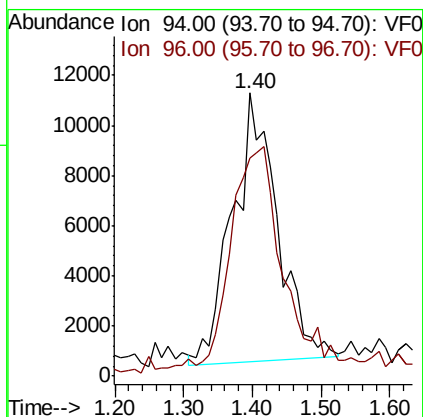
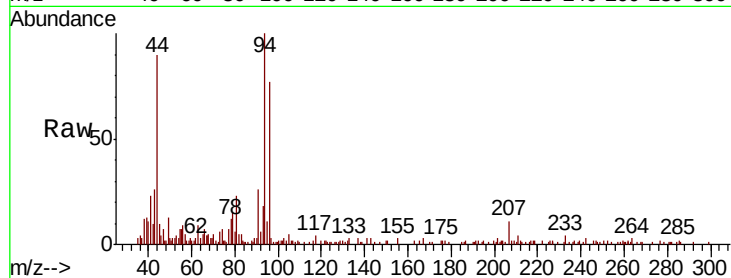
VSTDIC010

Tot Ion: 94 Resp: 48396

Ion Ratio Lower Upper

94 100

96 77.2 73.2 109.8



#6

Chloroethane

Concen: 9.418 ug/l

RT: 1.46 min Scan# 93

Delta R.T. 0.02 min

Lab File: VF062626.D

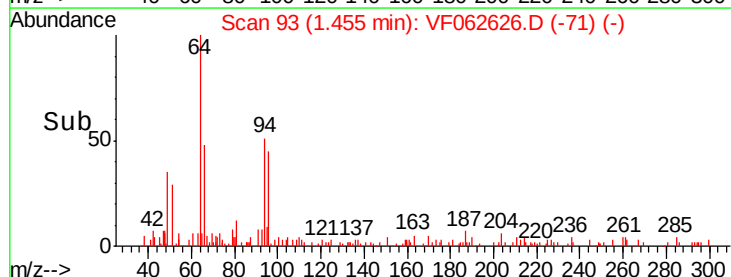
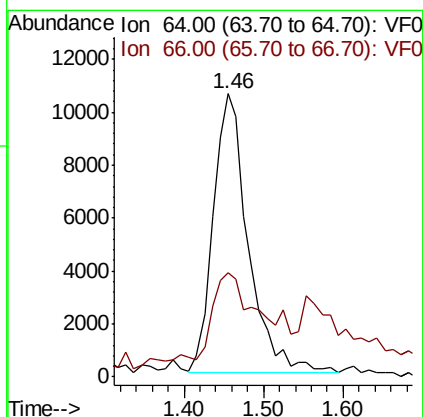
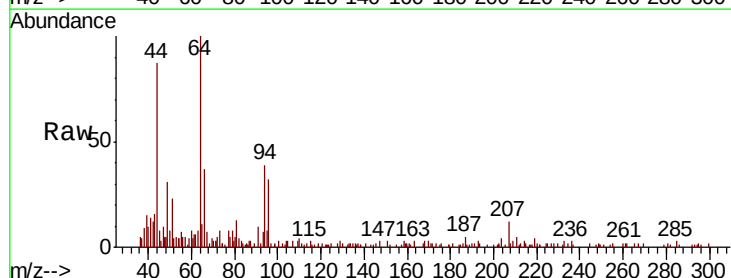
Acq: 16 May 2019 15:00

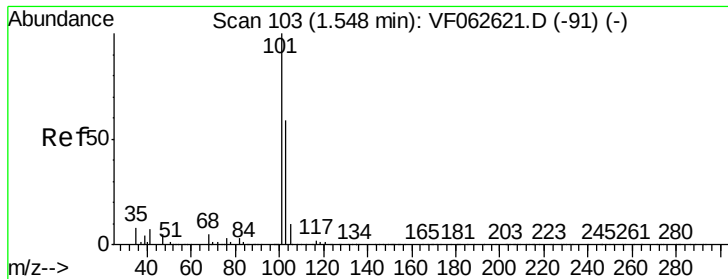
Tgt Ion: 64 Resp: 32279

Ion Ratio Lower Upper

64 100

66 36.8 23.4 35.2#



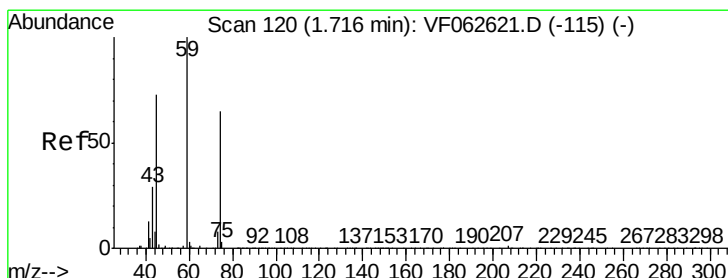
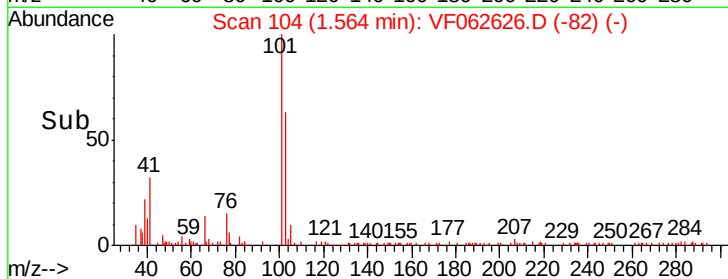
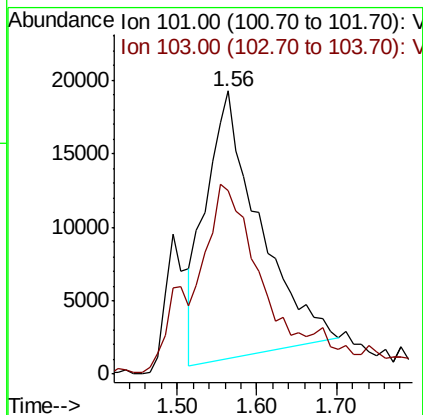
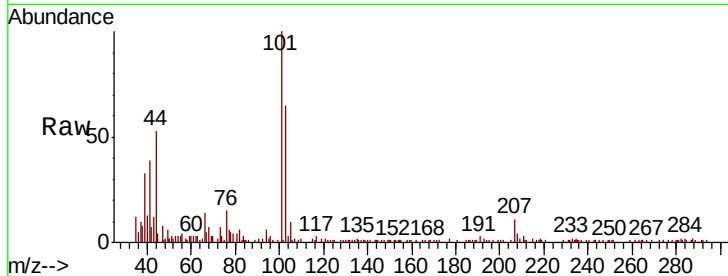


#7

Trichlorofluoromethane
Concen: 7.181 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.02 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

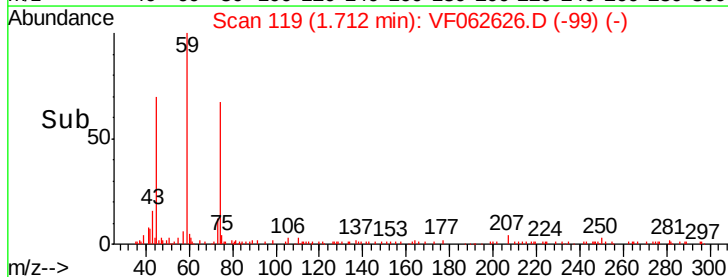
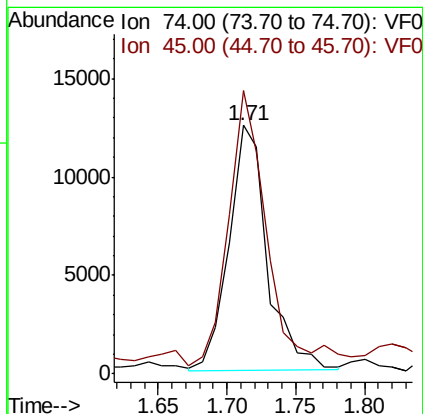
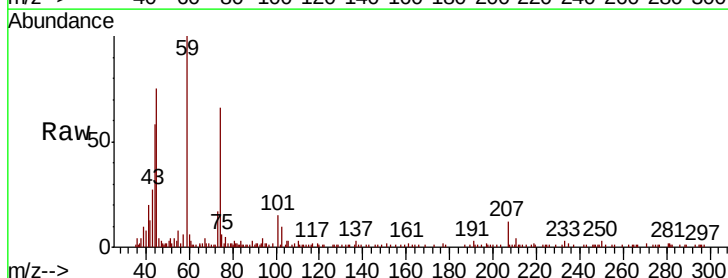
Tot Ion:101 Resp: 84774
Ion Ratio Lower Upper
101 100
103 64.8 47.3 70.9

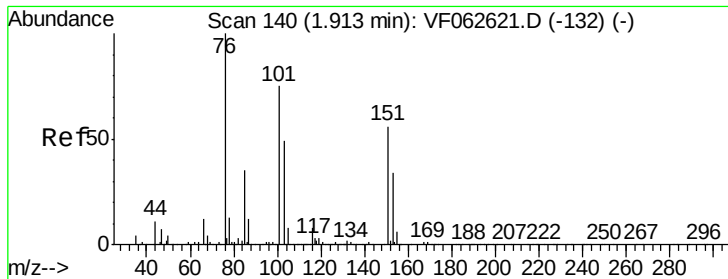


#8

Diethyl Ether
Concen: 9.666 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 74 Resp: 23995
Ion Ratio Lower Upper
74 100
45 114.0 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.971 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

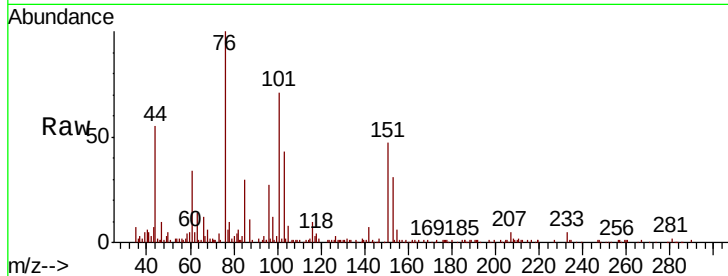
Tot Ion:101 Resp: 79552

Ion Ratio Lower Upper

101 100

85 41.2 37.1 55.7

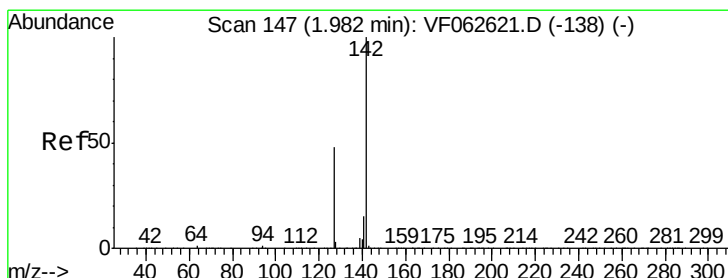
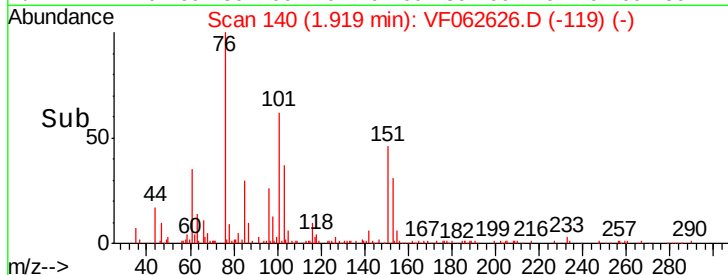
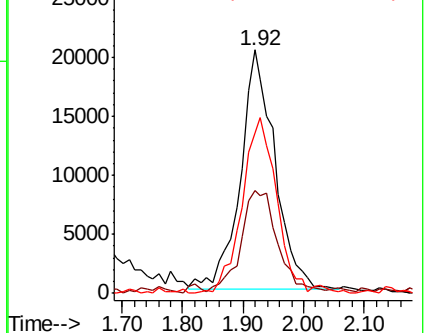
151 64.2 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 10.153 ug/l

RT: 2.00 min Scan# 148

Delta R.T. 0.02 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

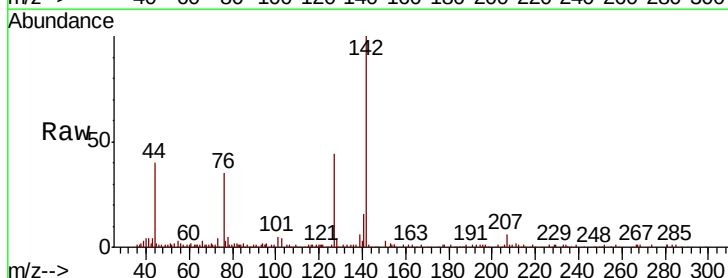
Tgt Ion:142 Resp: 159129

Ion Ratio Lower Upper

142 100

127 44.1 38.1 57.1

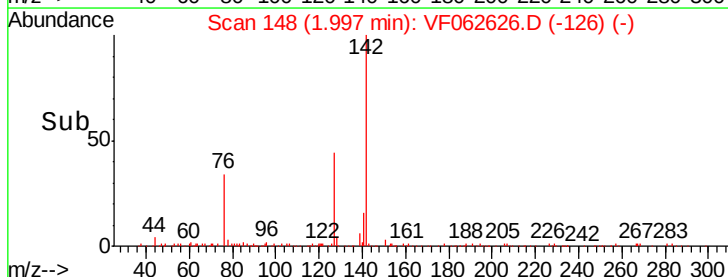
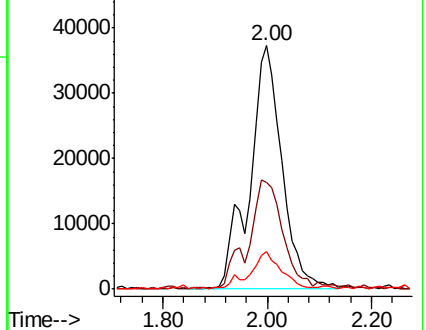
141 15.7 11.7 17.5

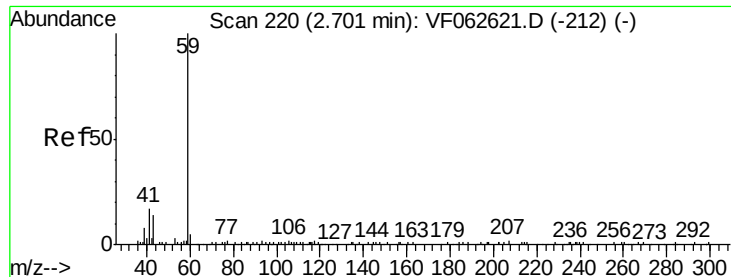


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 53.751 ug/l

RT: 2.71 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

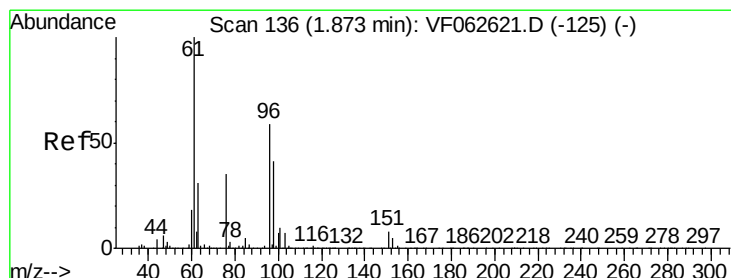
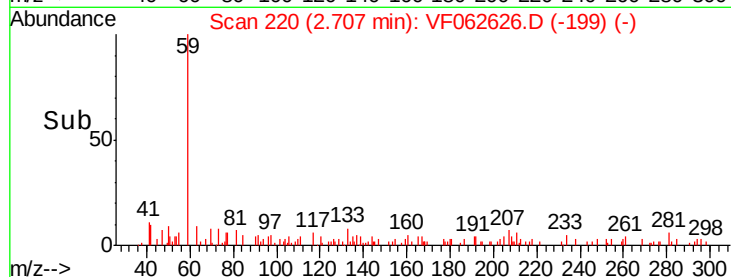
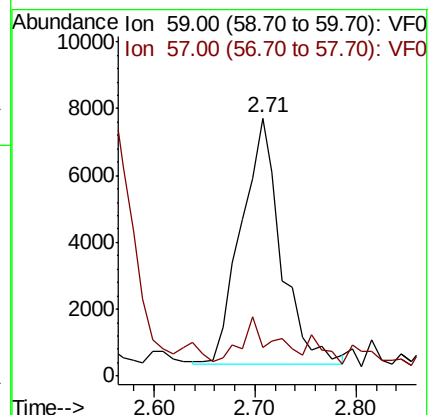
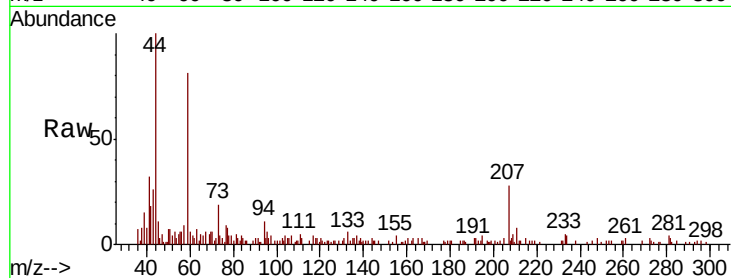
VSTDIC010

Tot Ion: 59 Resp: 20289

Ion Ratio Lower Upper

59 100

57 10.9 9.3 13.9



#12

1,1-Dichloroethene

Concen: 10.207 ug/l

RT: 1.89 min Scan# 137

Delta R.T. 0.02 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

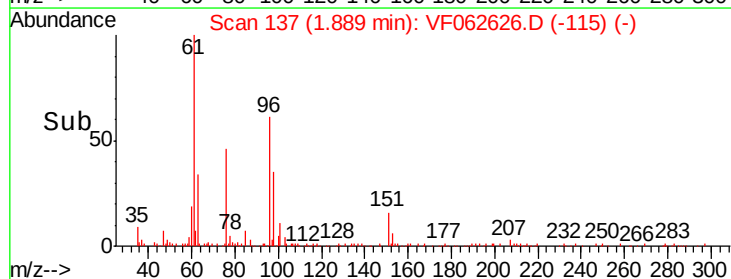
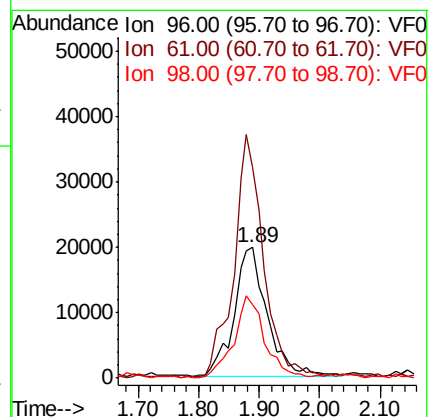
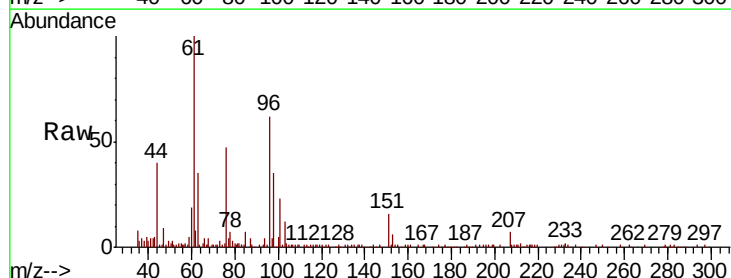
Tgt Ion: 96 Resp: 74187

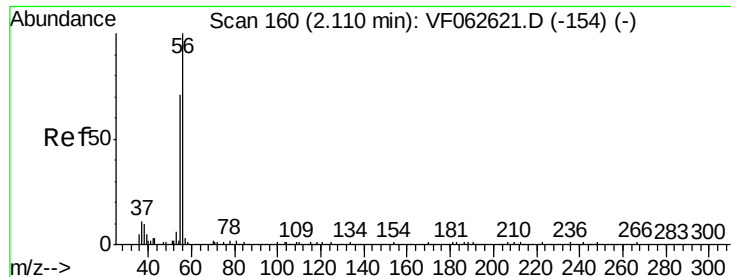
Ion Ratio Lower Upper

96 100

61 161.7 134.3 201.5

98 56.7 55.0 82.6





#13

Acrolein

Concen: 62.429 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

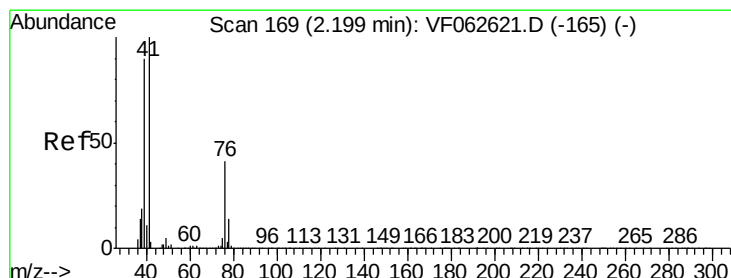
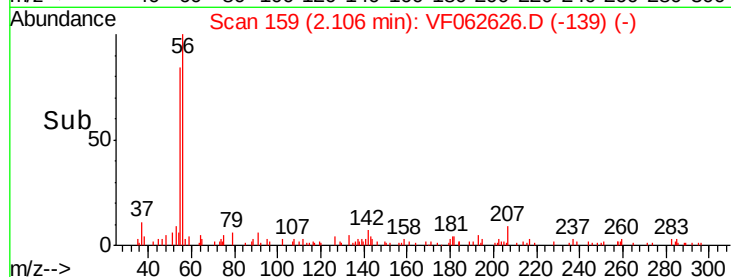
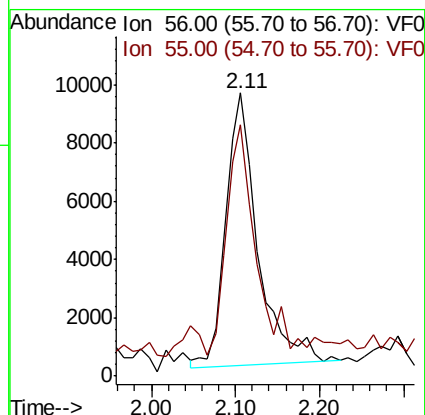
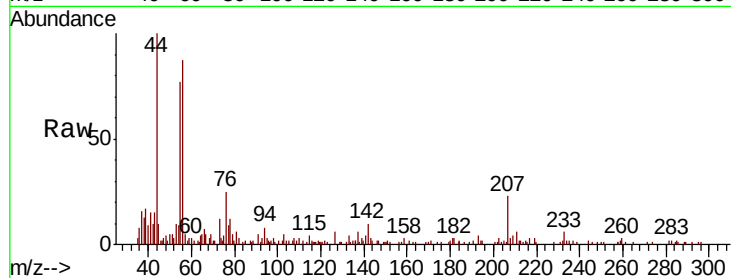
VSTDIC010

Tot Ion: 56 Resp: 24598

Ion Ratio Lower Upper

56 100

55 89.0 59.4 89.0



#14

Allyl chloride

Concen: 8.610 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

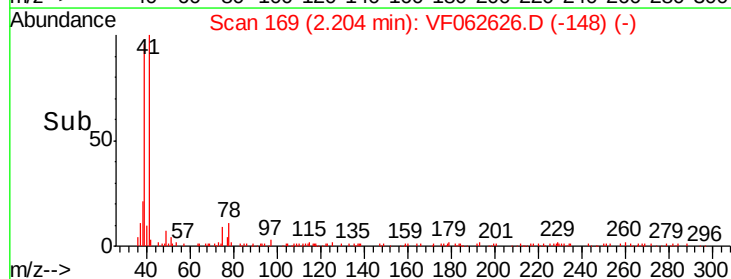
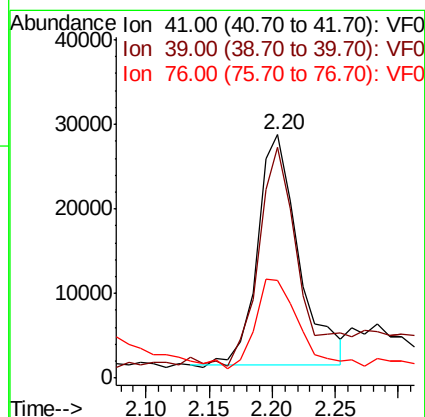
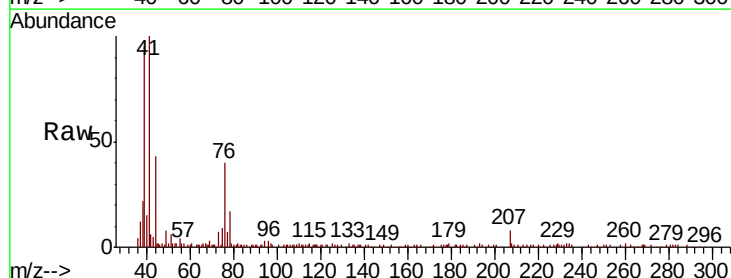
Tgt Ion: 41 Resp: 61485

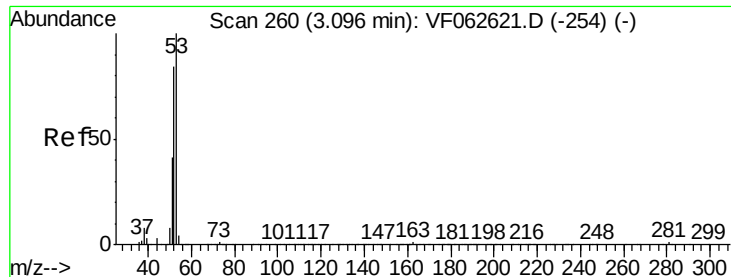
Ion Ratio Lower Upper

41 100

39 94.9 72.0 108.0

76 40.1 34.8 52.2





#15

Acrylonitrile

Concen: 53.170 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

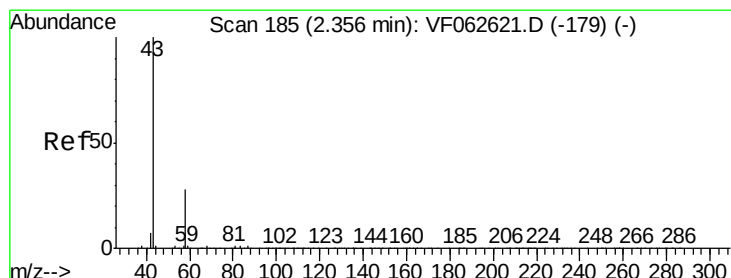
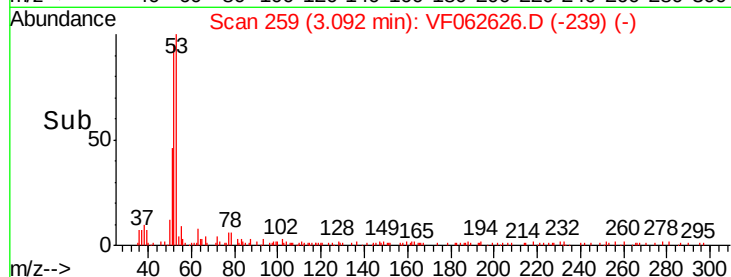
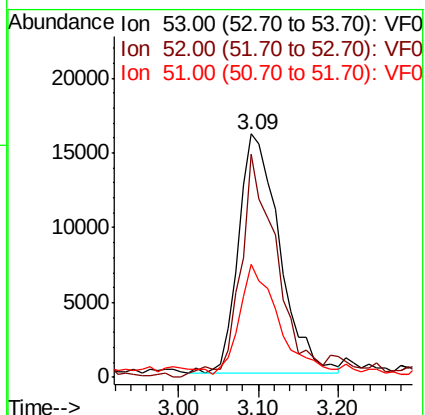
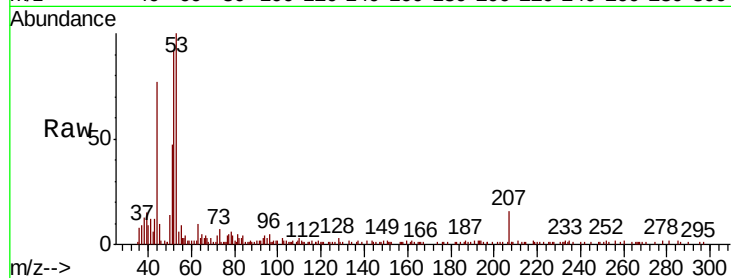
Tot Ion: 53 Resp: 56613

Ion Ratio Lower Upper

53 100

52 91.8 67.3 100.9

51 46.7 33.0 49.6



#16

Acetone

Concen: 52.809 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062626.D

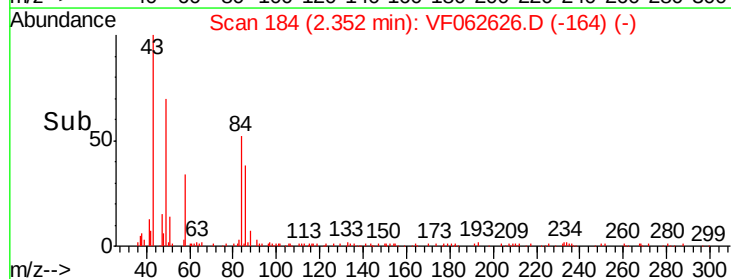
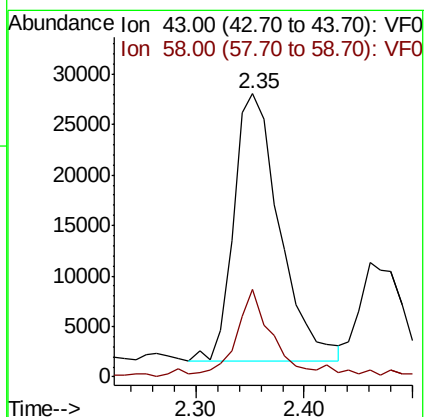
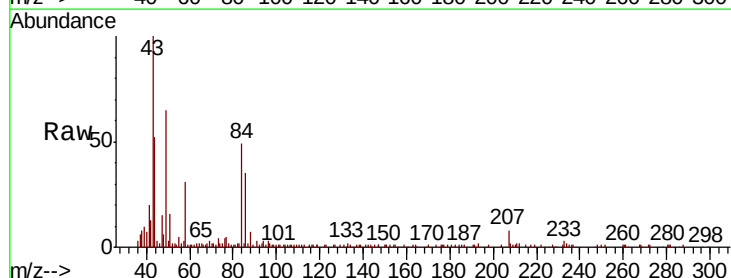
Acq: 16 May 2019 15:00

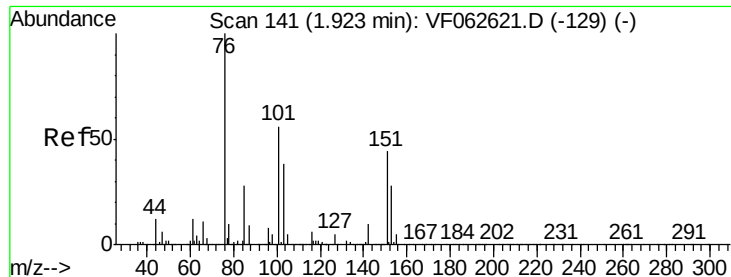
Tgt Ion: 43 Resp: 78329

Ion Ratio Lower Upper

43 100

58 31.1 22.6 33.8





#17

Carbon Disulfide

Concen: 10.079 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

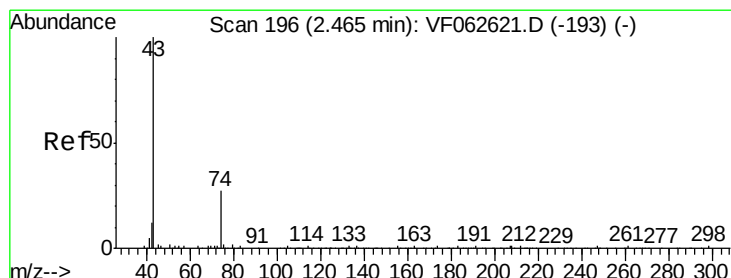
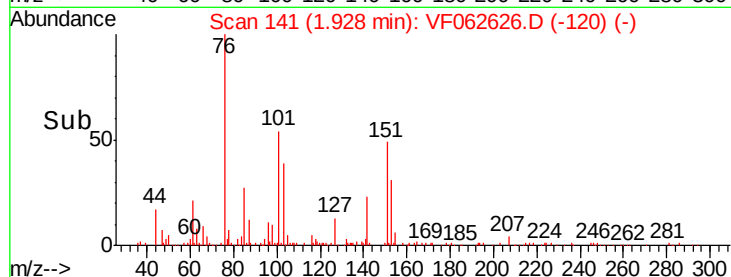
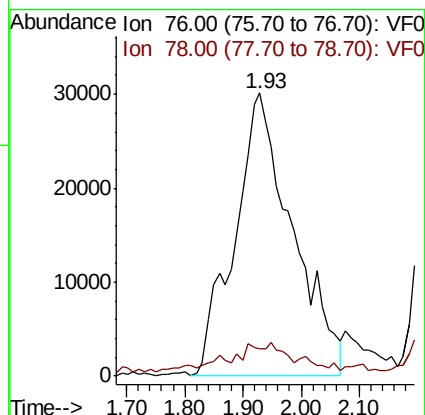
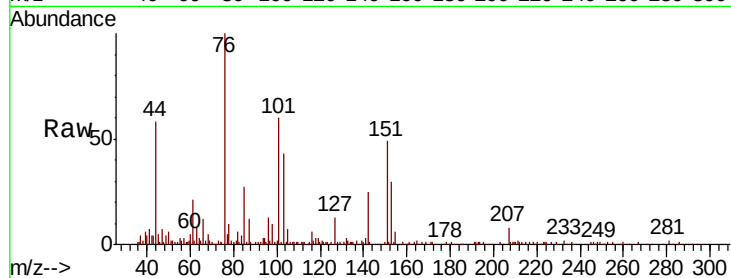
VSTDIC010

Tot Ion: 76 Resp: 208727

Ion Ratio Lower Upper

76 100

78 9.6 8.4 12.6



#18

Methyl Acetate

Concen: 9.136 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062626.D

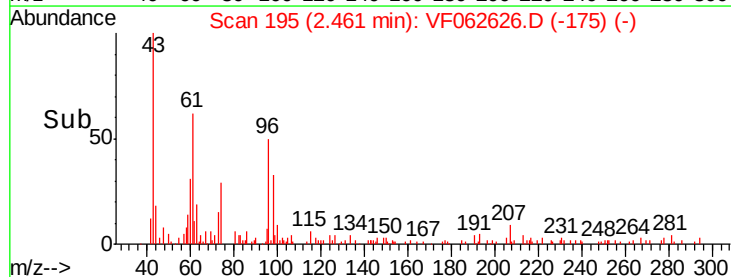
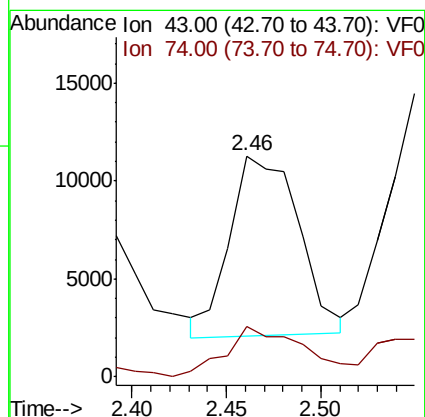
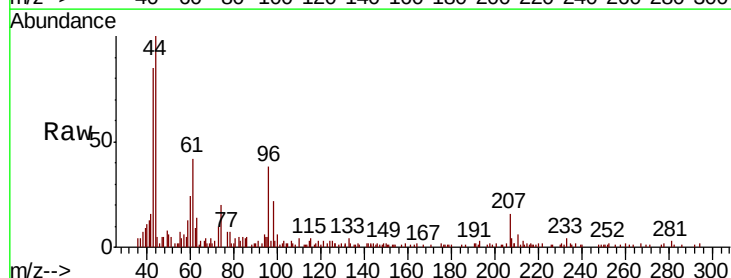
Acq: 16 May 2019 15:00

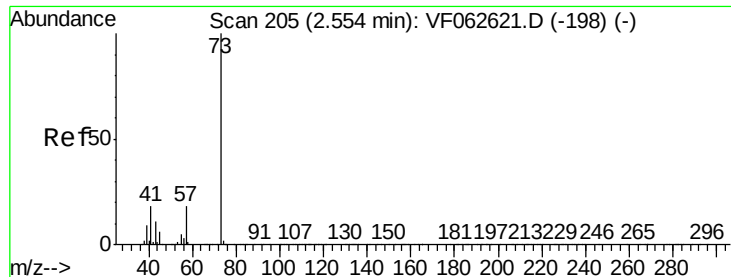
Tgt Ion: 43 Resp: 23157

Ion Ratio Lower Upper

43 100

74 23.0 18.9 28.3



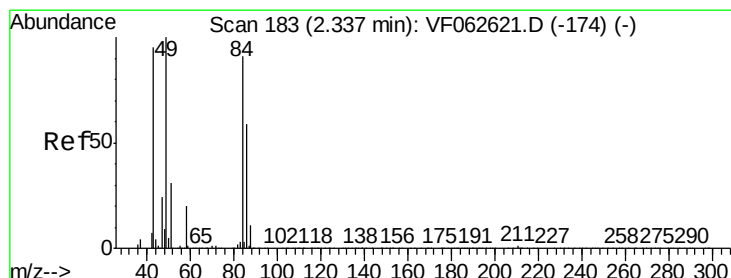
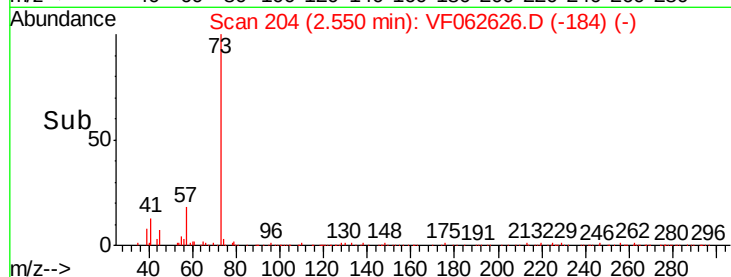
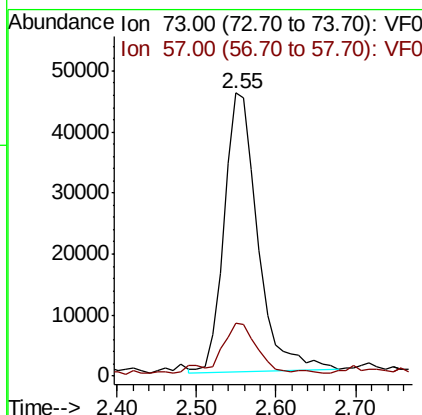
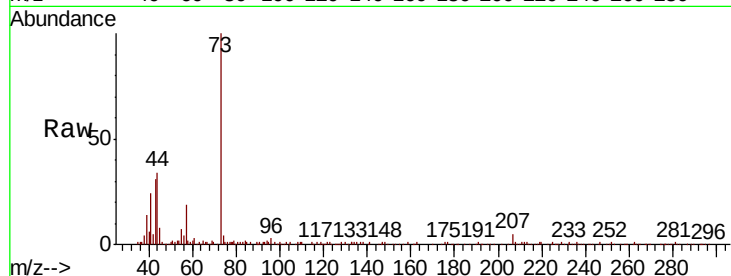


#19

Methyl tert-butyl Ether
 Concen: 10.346 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

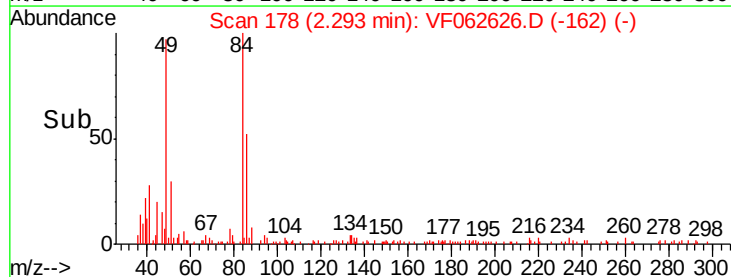
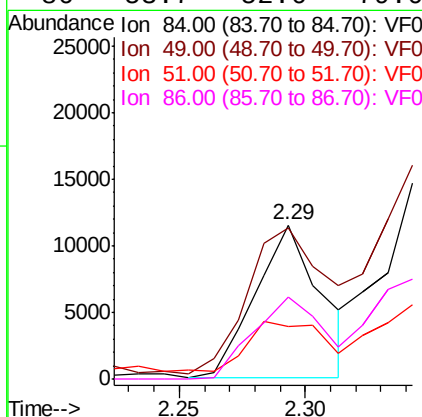
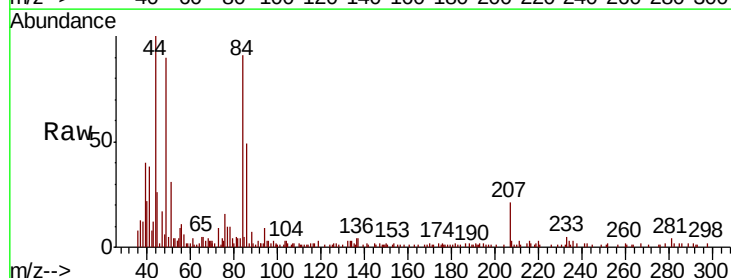
Tot Ion: 73 Resp: 134422
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.2 21.4

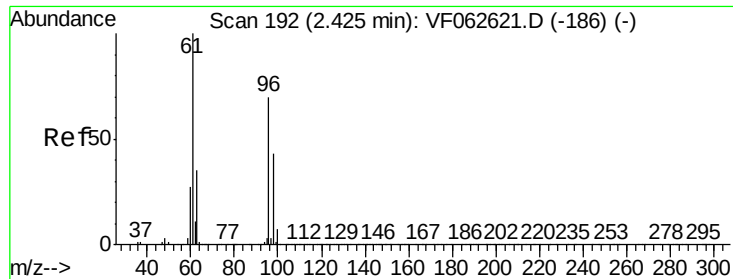


#20

Methylene Chloride
 Concen: 2.798 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. -0.04 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion: 84 Resp: 20680
 Ion Ratio Lower Upper
 84 100
 49 98.4 89.8 134.8
 51 34.1 28.4 42.6
 86 53.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 9.683 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

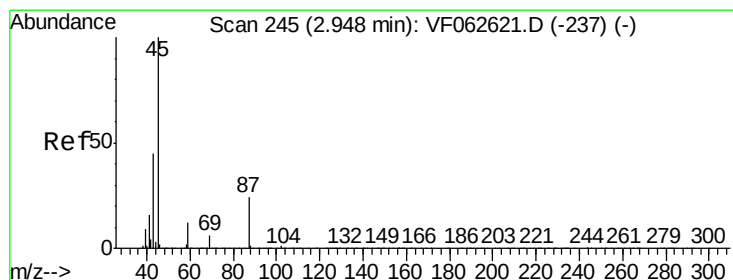
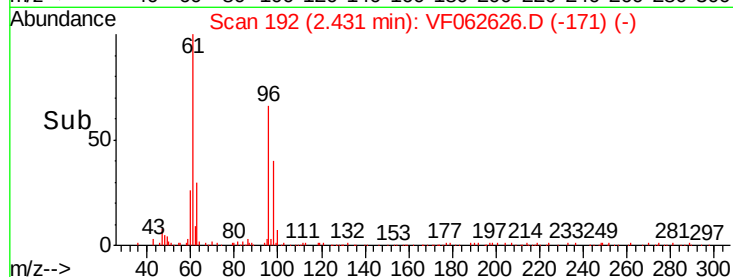
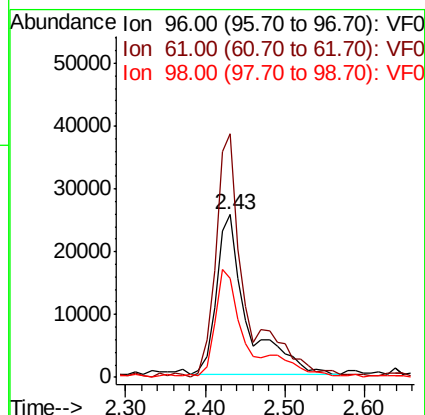
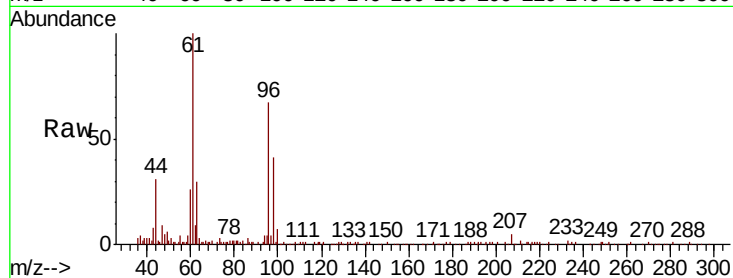
Tot Ion: 96 Resp: 68787

Ion Ratio Lower Upper

96 100

61 149.7 114.6 171.8

98 60.7 49.5 74.3



#22

Diisopropyl ether

Concen: 10.505 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion: 45 Resp: 170427

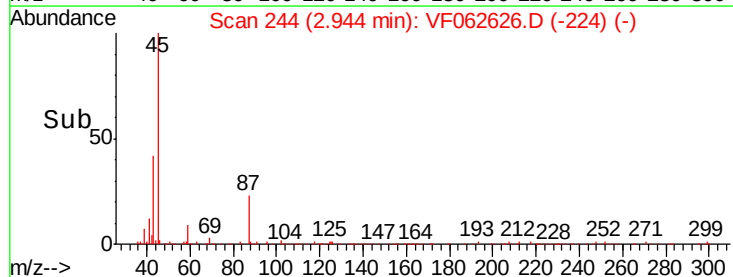
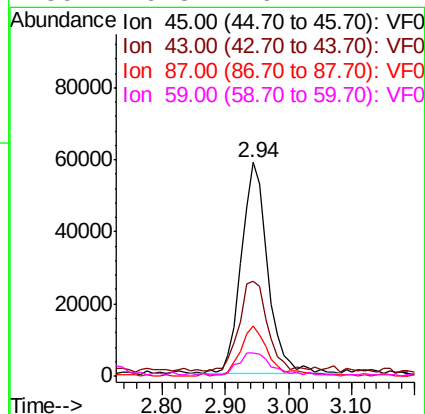
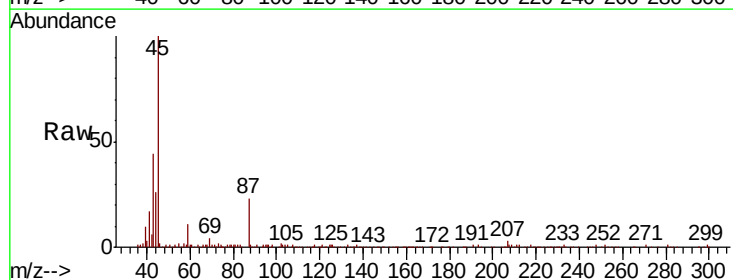
Ion Ratio Lower Upper

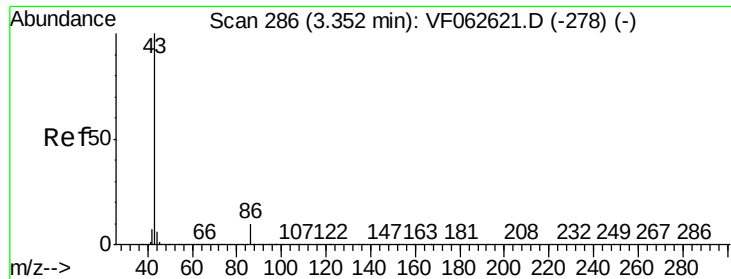
45 100

43 44.2 36.4 54.6

87 23.1 19.3 28.9

59 10.8 9.4 14.2





#23

Vinyl Acetate

Concen: 55.187 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

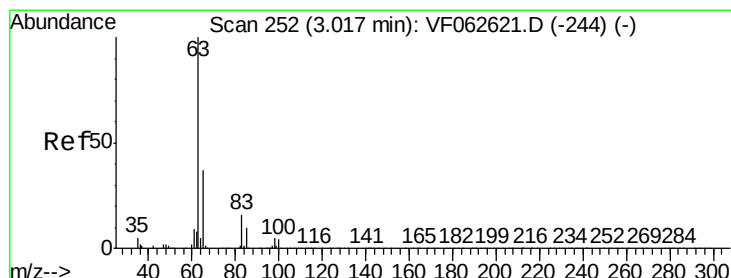
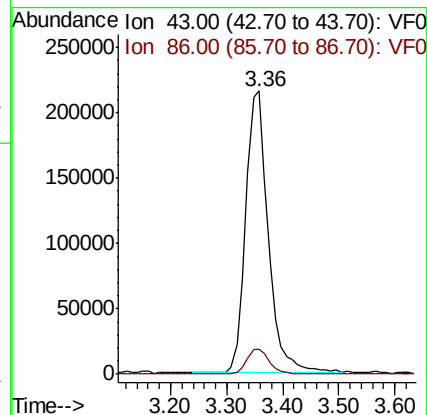
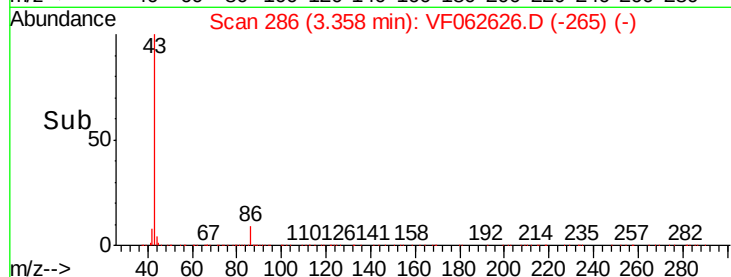
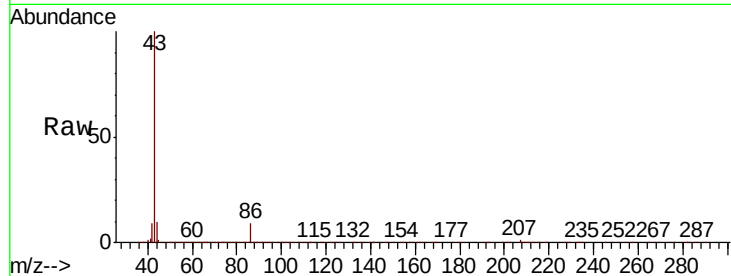
VSTDIC010

Tot Ion: 43 Resp: 603982

Ion Ratio Lower Upper

43 100

86 8.9 8.2 12.2



#24

1,1-Dichloroethane

Concen: 9.318 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

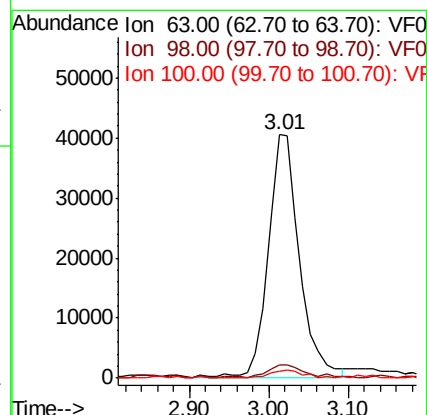
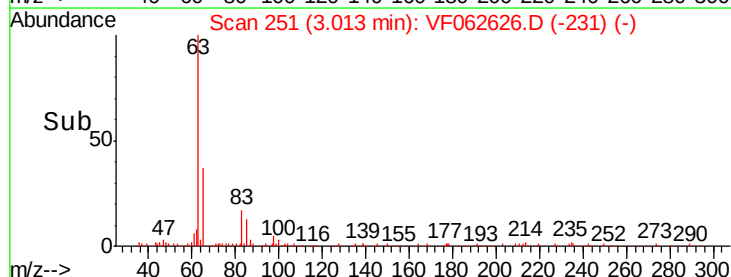
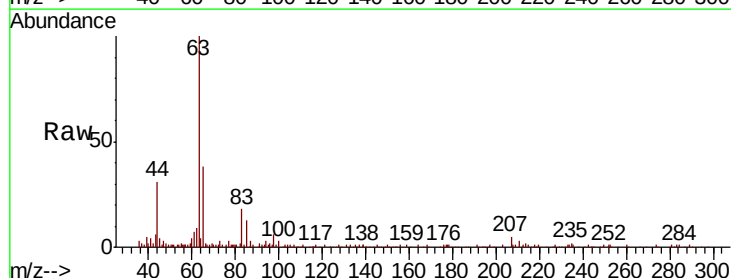
Tgt Ion: 63 Resp: 110904

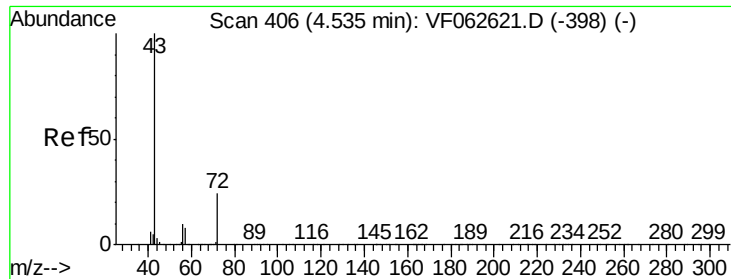
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.0 1.9 5.7





#25

2-Butanone

Concen: 52.317 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

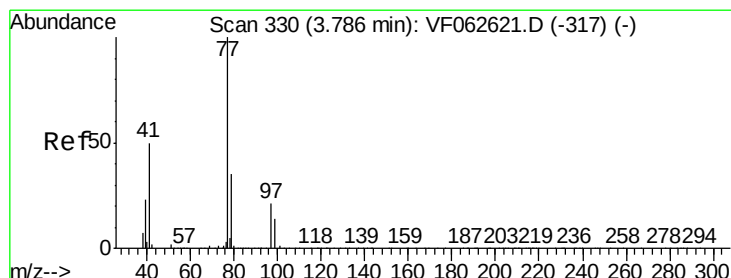
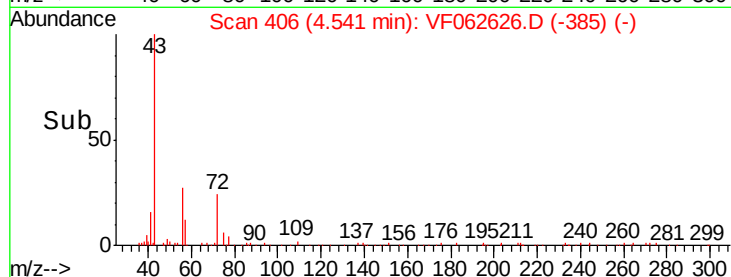
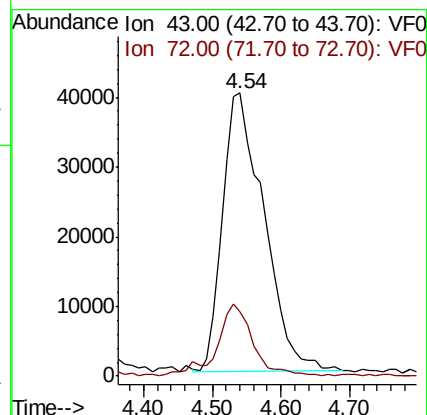
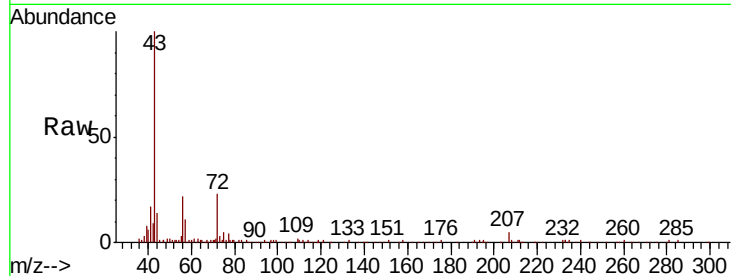
VSTDIC010

Tot Ion: 43 Resp: 165792

Ion Ratio Lower Upper

43 100

72 22.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 9.482 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062626.D

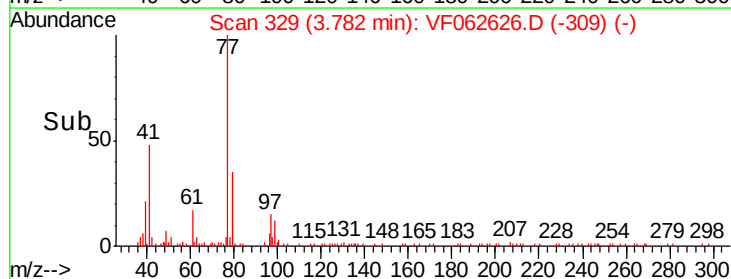
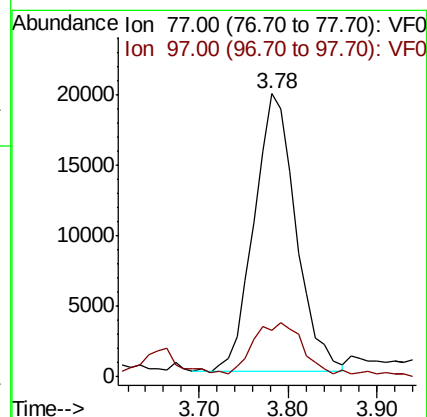
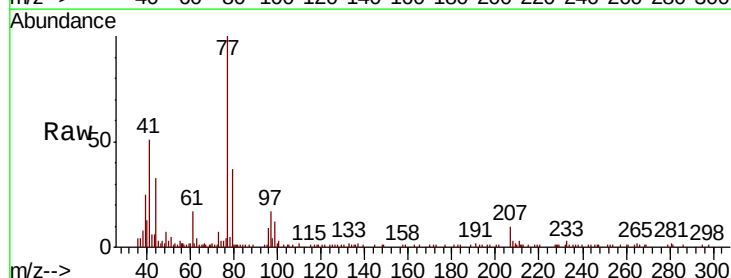
Acq: 16 May 2019 15:00

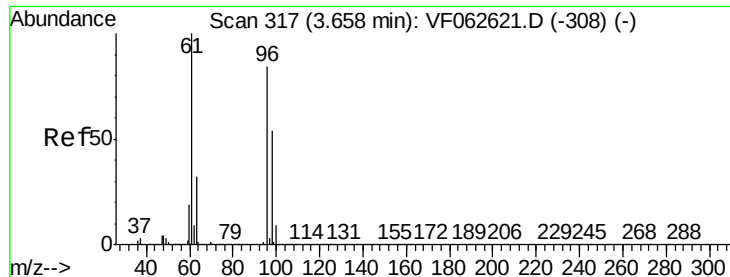
Tgt Ion: 77 Resp: 64573

Ion Ratio Lower Upper

77 100

97 16.6 14.1 42.4



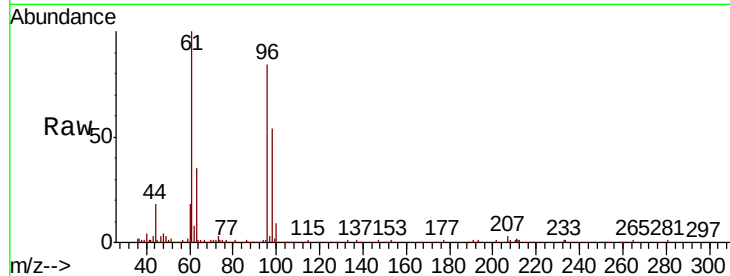


#27

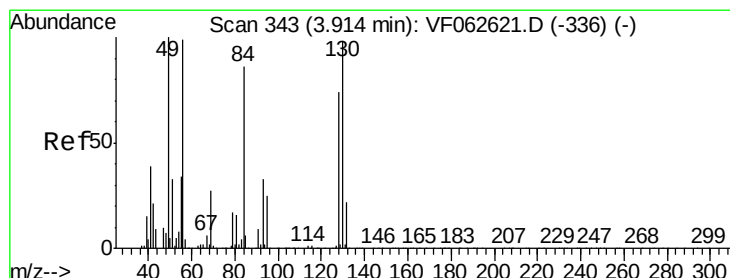
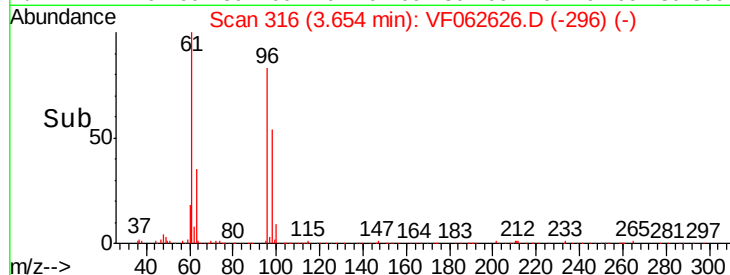
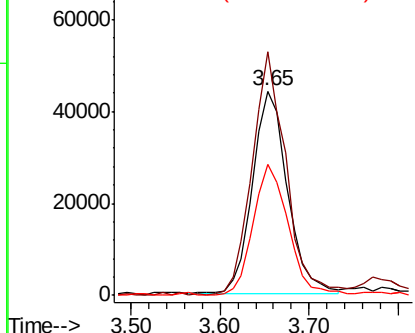
cis-1,2-Dichloroethene
Concen: 10.246 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 119730
Ion Ratio Lower Upper
96 100
61 119.4 0.0 237.4
98 64.3 0.0 129.0



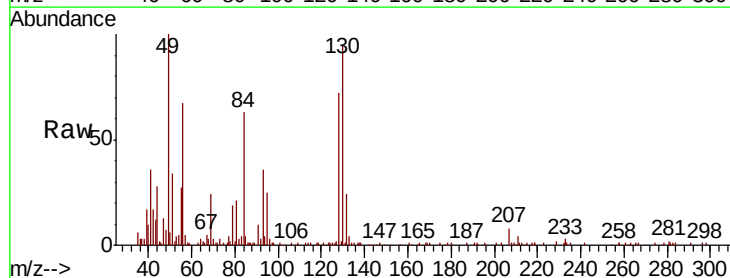
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



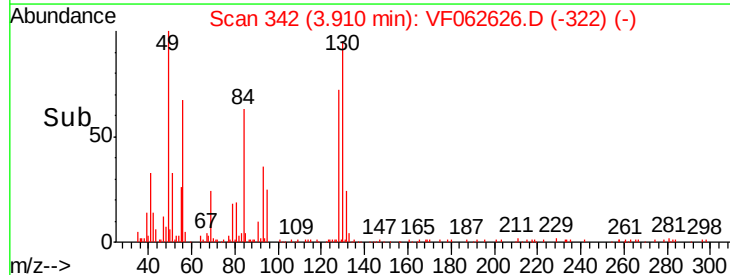
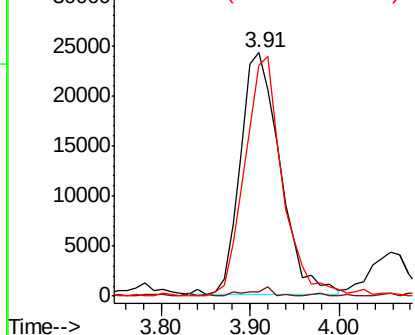
#28

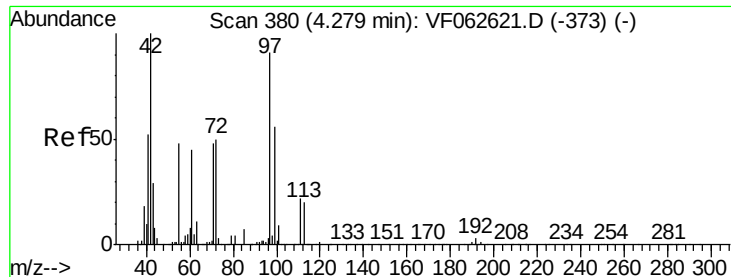
Bromochloromethane
Concen: 11.133 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 49 Resp: 74312
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 94.8 77.8 116.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

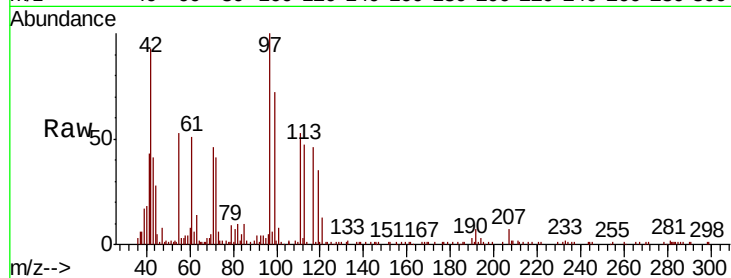




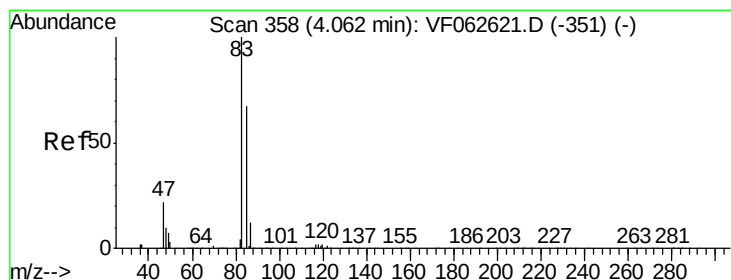
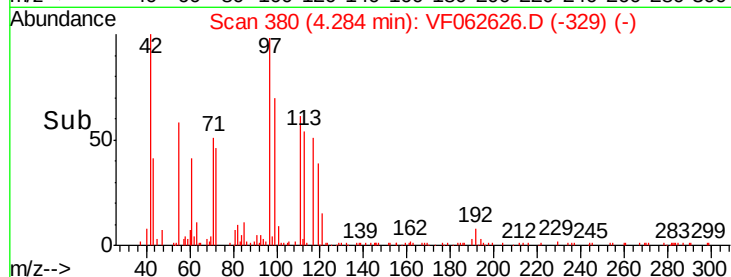
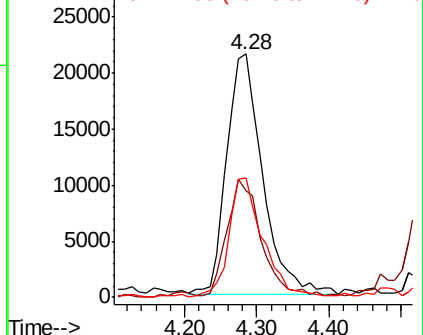
#29
Tetrahydrofuran
Concen: 58.578 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.2
71	47.1	35.8	53.6

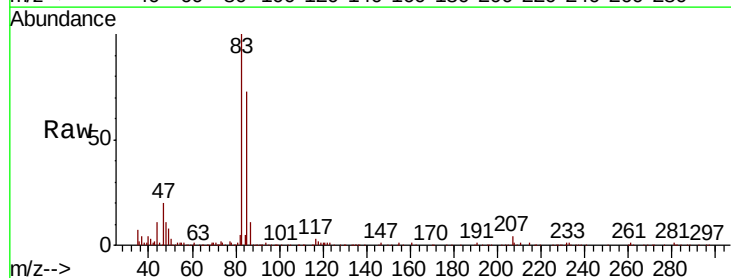


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

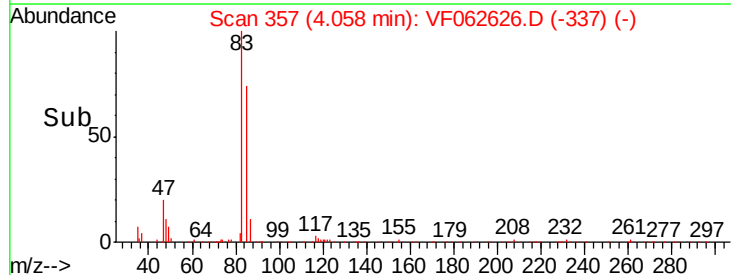
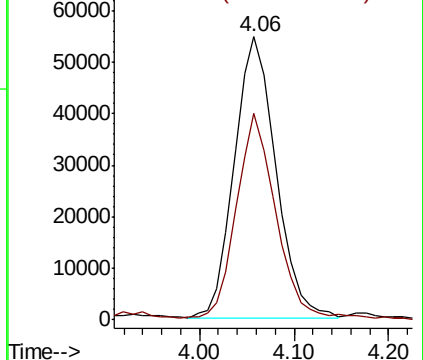


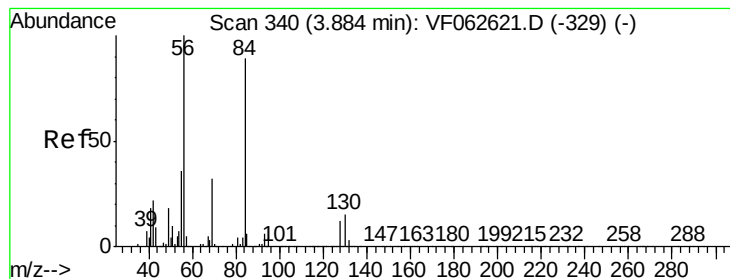
#30
Chloroform
Concen: 10.086 ug/l
RT: 4.06 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.9	53.6	80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 6.432 ug/l

RT: 3.88 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

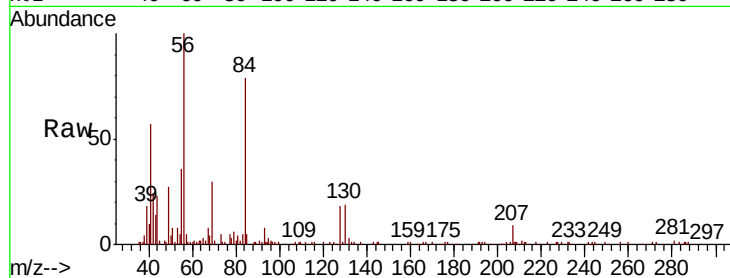
Tot Ion: 56 Resp: 95303

Ion Ratio Lower Upper

56 100

69 30.1 25.3 37.9

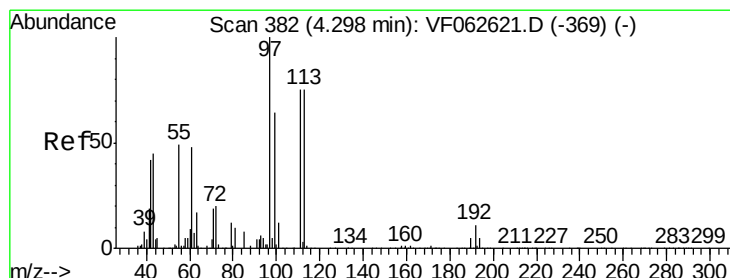
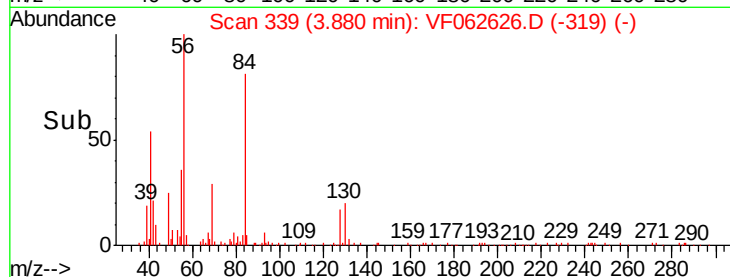
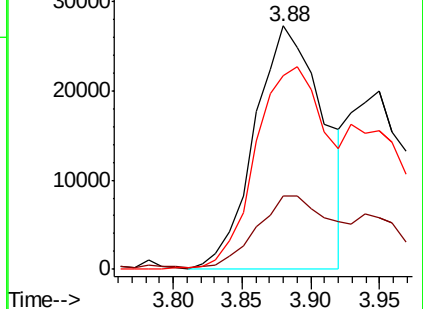
84 79.4 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 9.477 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

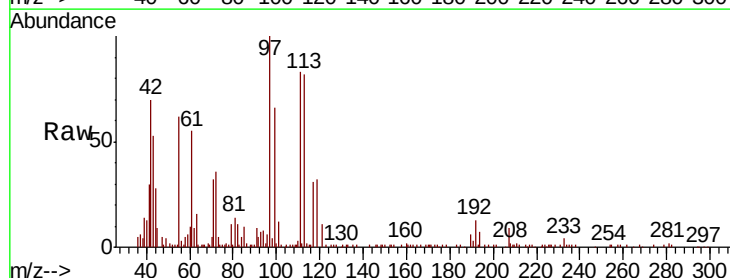
Tgt Ion: 97 Resp: 104004

Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

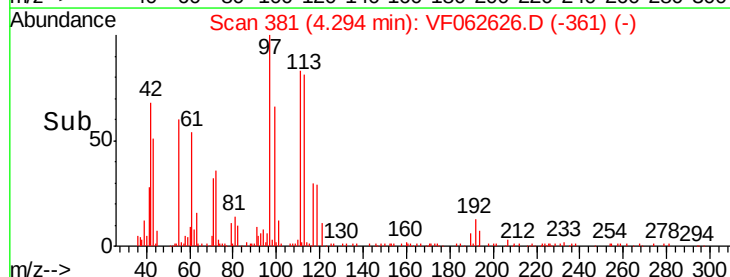
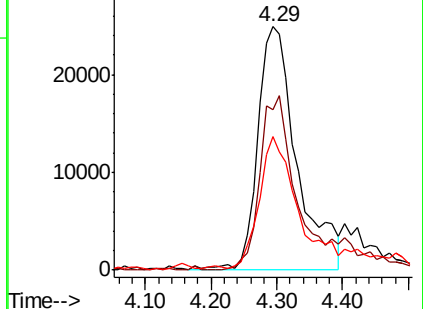
61 54.8 38.2 57.2

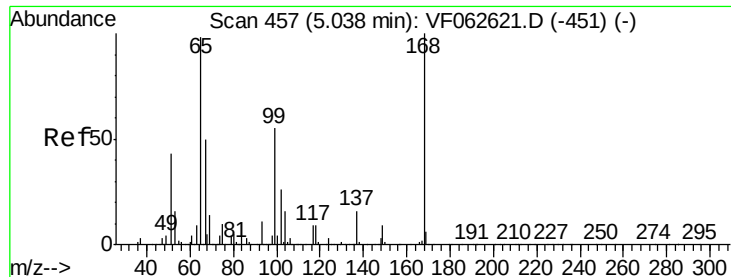


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 10.063 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

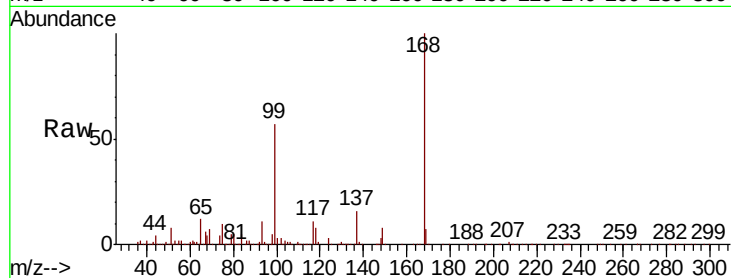
VSTDIC010

Tot Ion: 65 Resp: 57536

Ion Ratio Lower Upper

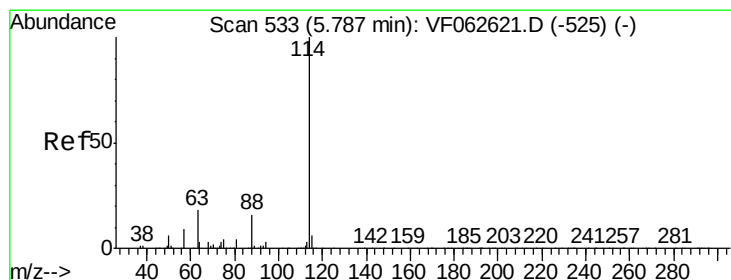
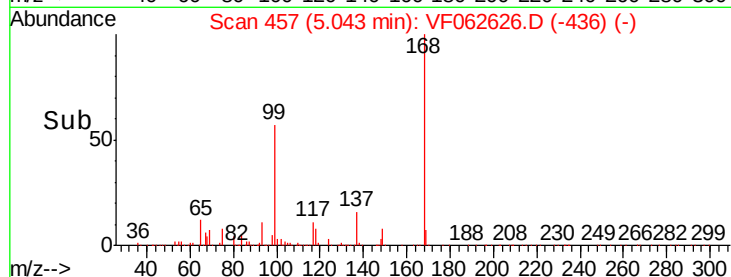
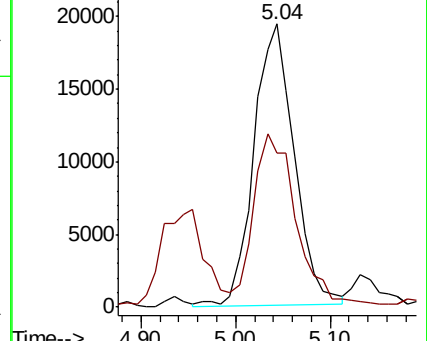
65 100

67 54.5 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

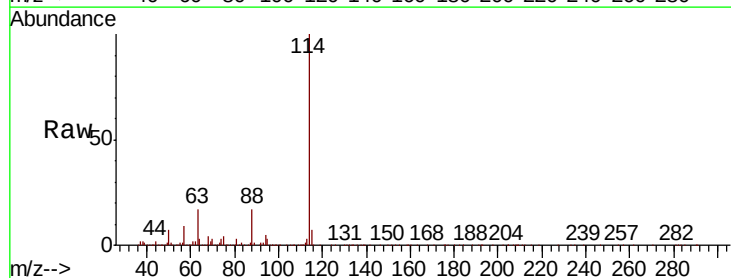
Tgt Ion:114 Resp: 1309748

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

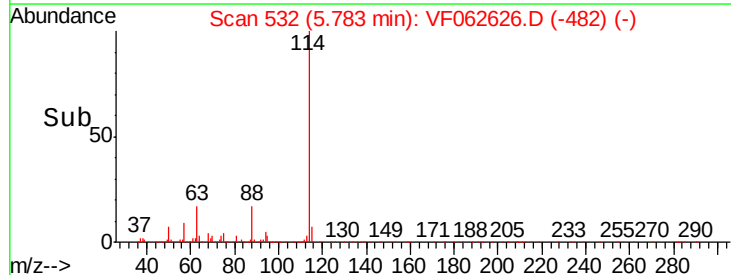
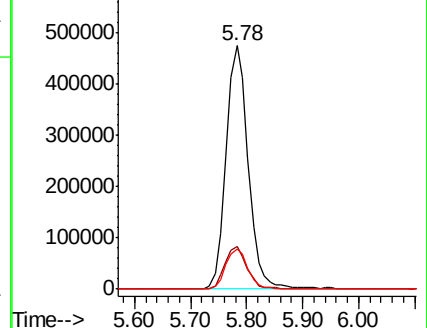
88 16.6 0.0 32.4

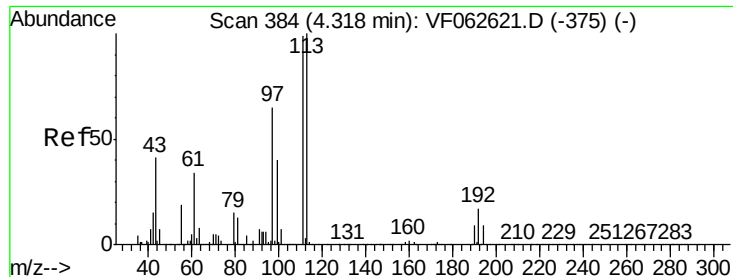


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

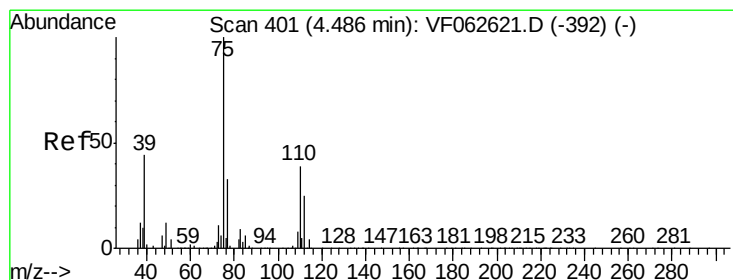
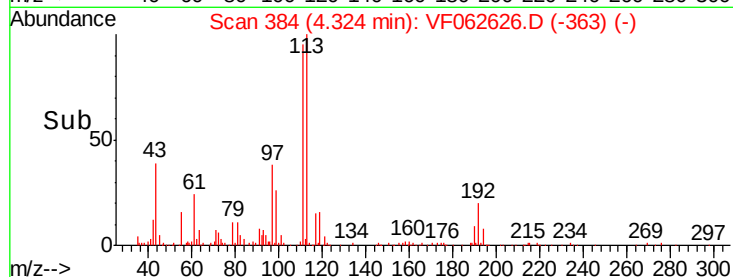
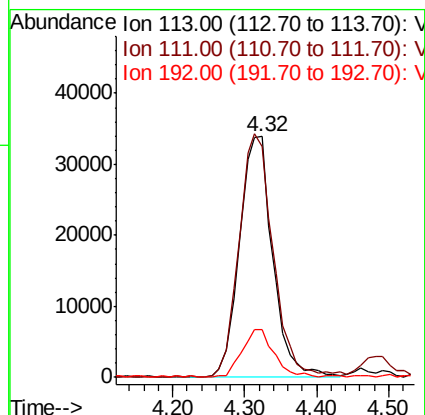
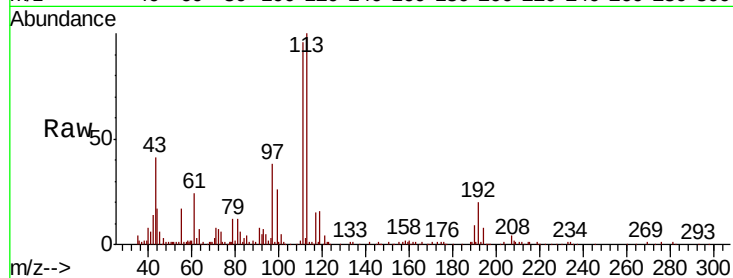




#35
 Dibromofluoromethane
 Concen: 10.925 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

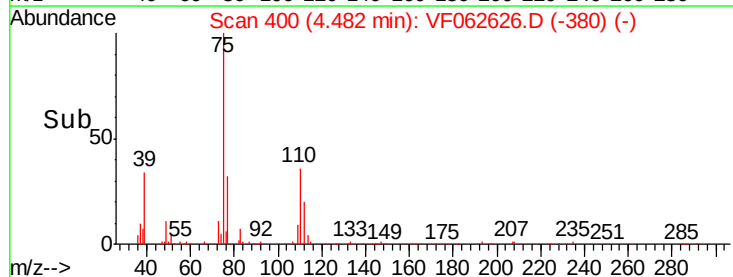
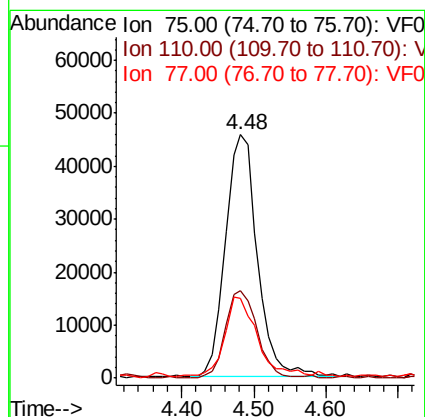
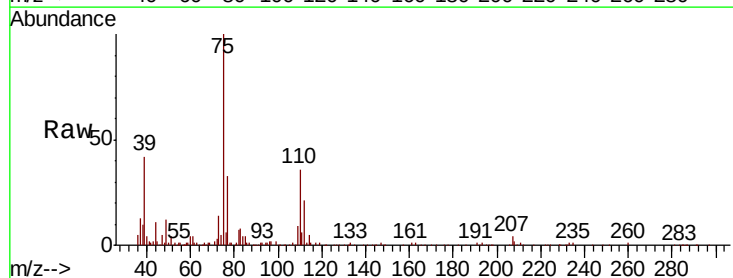
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

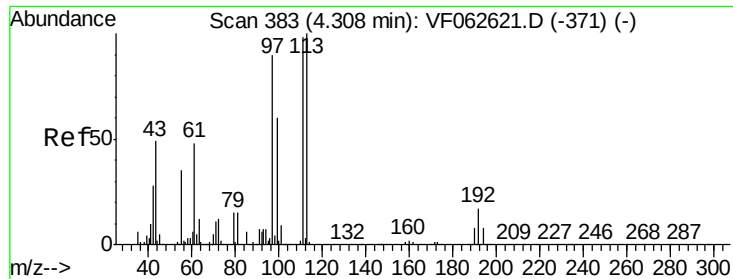
Tot Ion:113 Resp: 109495
 Ion Ratio Lower Upper
 113 100
 111 95.8 79.4 119.2
 192 20.0 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 10.440 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion: 75 Resp: 140112
 Ion Ratio Lower Upper
 75 100
 110 36.1 19.7 59.1
 77 33.0 26.3 39.5

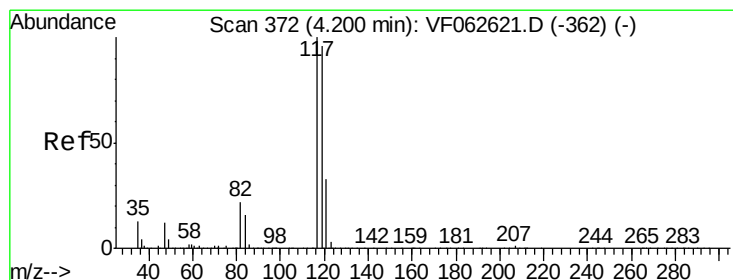
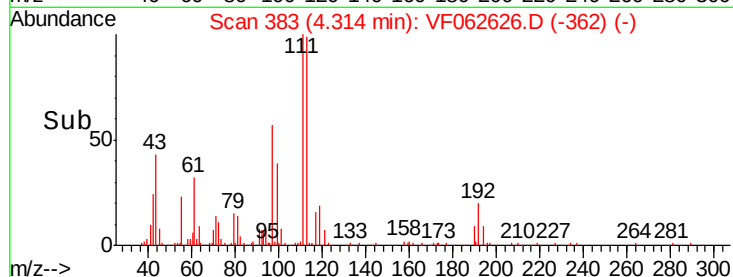
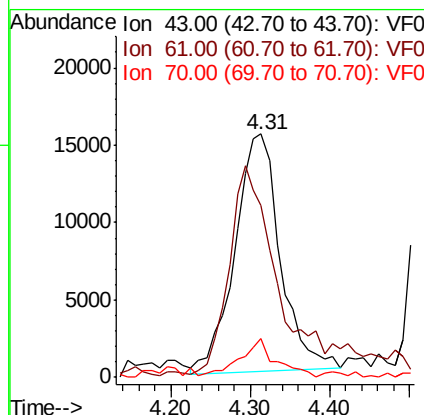
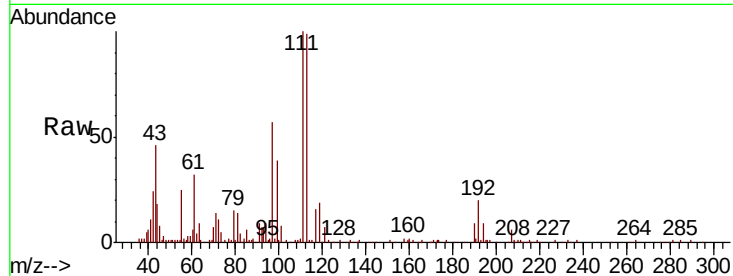




#37
Ethyl Acetate
Concen: 11.093 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

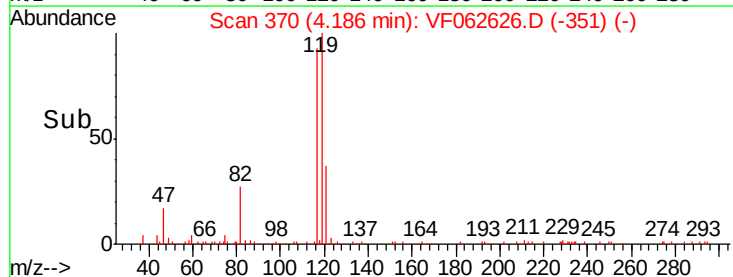
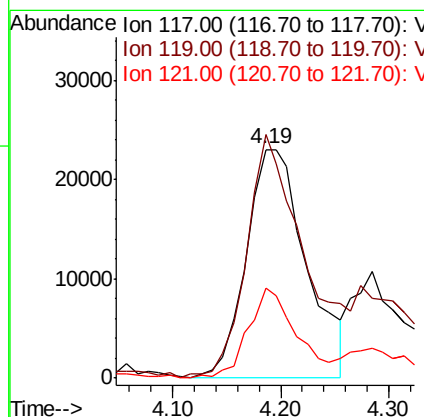
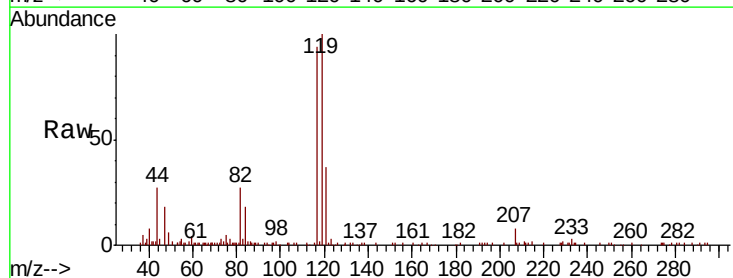
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

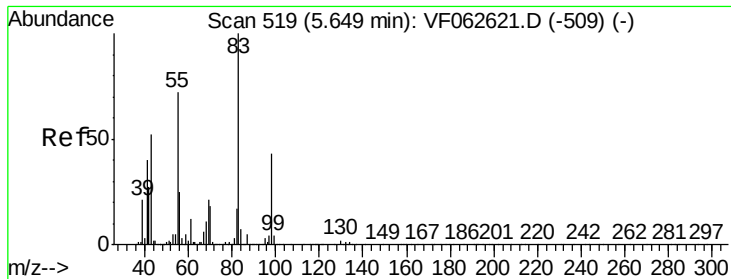
Tot Ion: 43 Resp: 60789
Ion Ratio Lower Upper
43 100
61 70.4 76.9 115.3#
70 16.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 9.431 ug/l
RT: 4.19 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 117 Resp: 89171
Ion Ratio Lower Upper
117 100
119 106.5 76.7 115.1
121 39.4 26.6 40.0

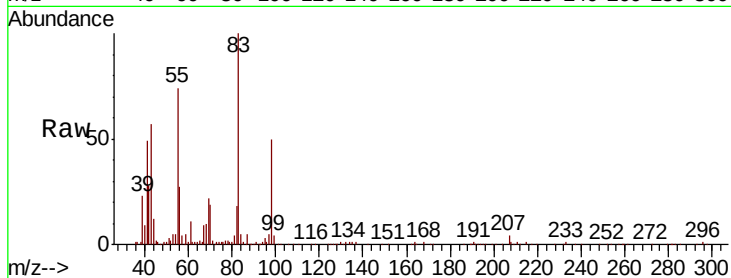




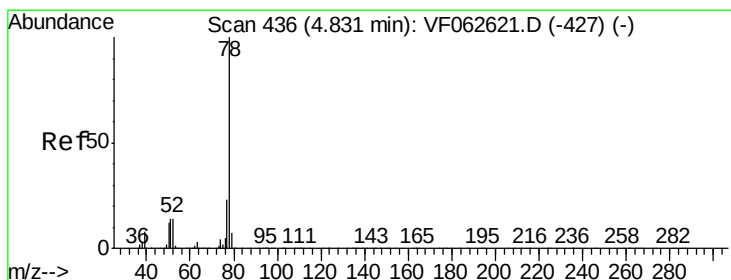
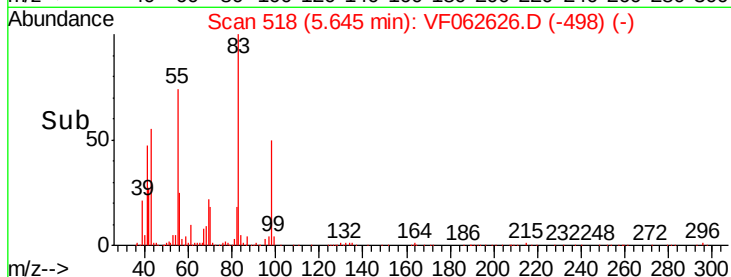
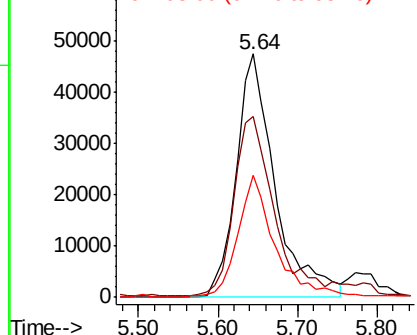
#39
Methylvlcyclohexane
Concen: 9.989 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 161310
Ion Ratio Lower Upper
83 100
55 74.4 57.9 86.9
98 49.9 34.6 52.0

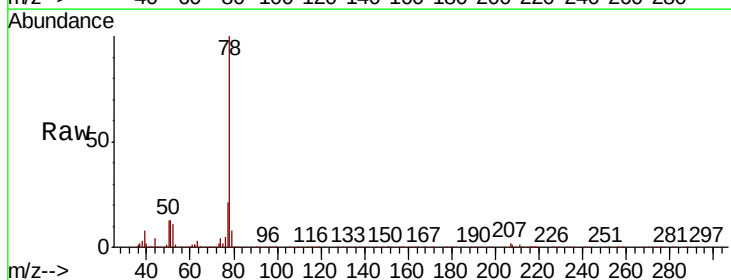


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

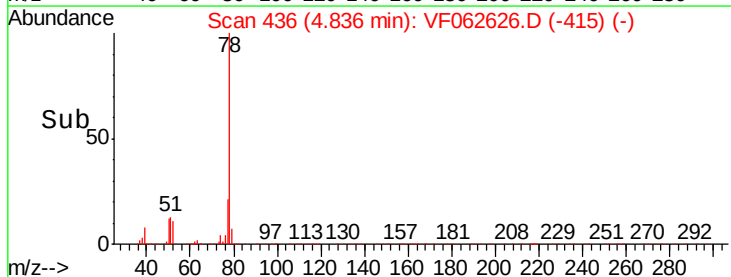
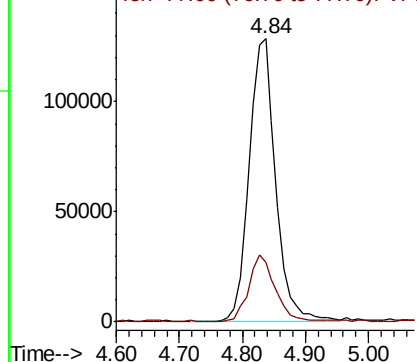


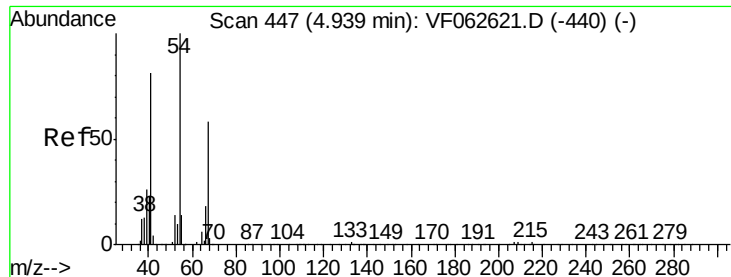
#40
Benzene
Concen: 10.333 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 78 Resp: 377813
Ion Ratio Lower Upper
78 100
77 21.1 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 150000 Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 10.709 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 30765

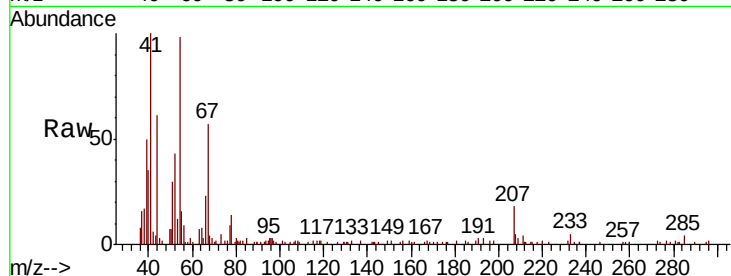
Ion Ratio Lower Upper

41 100

39 49.5 42.2 63.2

67 57.2 56.4 84.6

52 43.3 38.8 58.2



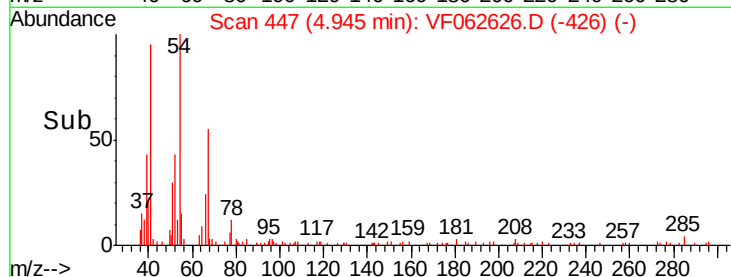
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

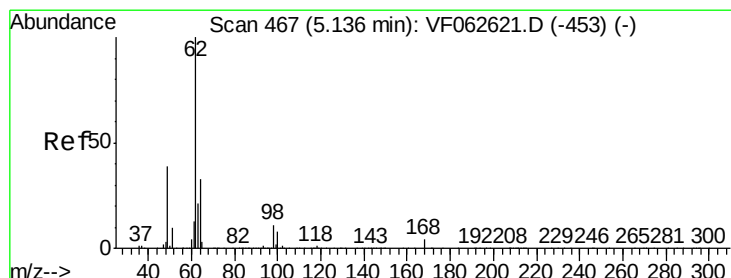
Ion 52.00 (51.70 to 52.70): VF0

Time-->



Abundance

Time-->



#42

1,2-Dichloroethane

Concen: 10.331 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF062626.D

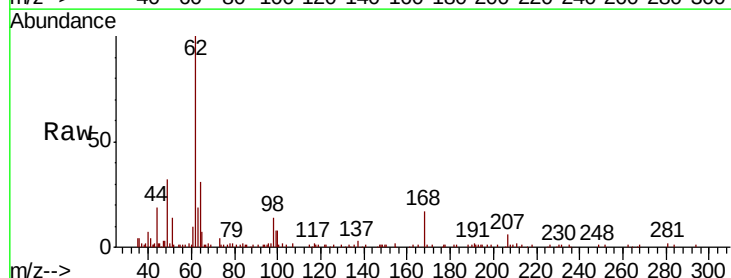
Acq: 16 May 2019 15:00

Tgt Ion: 62 Resp: 75323

Ion Ratio Lower Upper

62 100

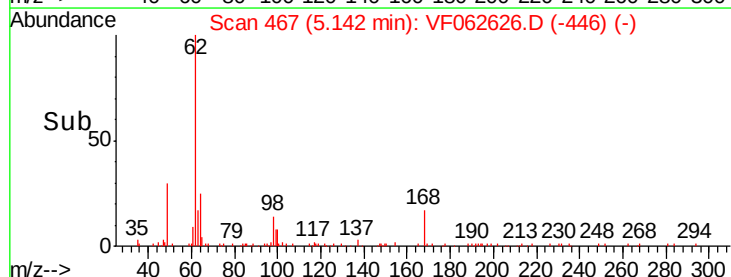
98 14.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

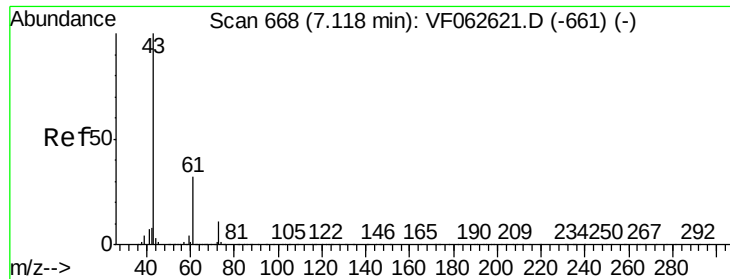
Ion 98.00 (97.70 to 98.70): VF0

Time-->



Abundance

Time-->



#43

Isopropyl Acetate

Concen: 12.241 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

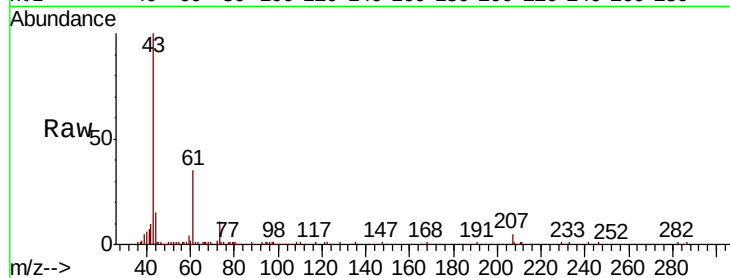
Tot Ion: 43 Resp: 86901

Ion Ratio Lower Upper

43 100

61 35.3 25.8 38.8

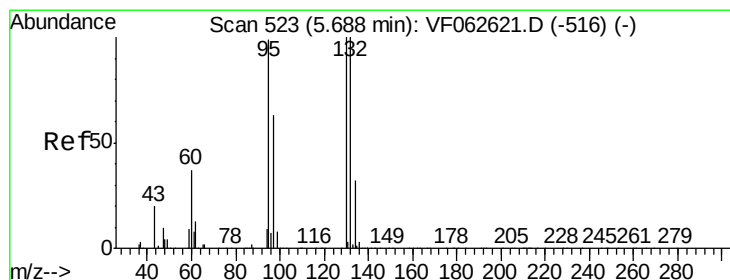
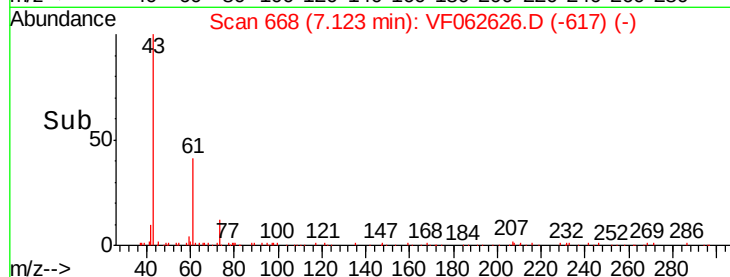
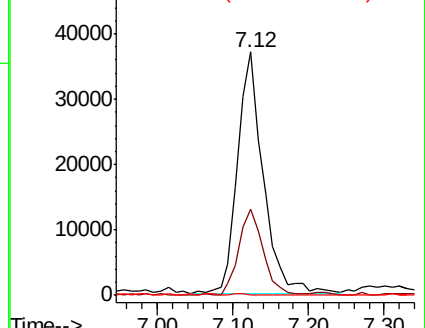
87 0.0 0.4 0.6#



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: 10.573 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.00 min

Lab File: VF062626.D

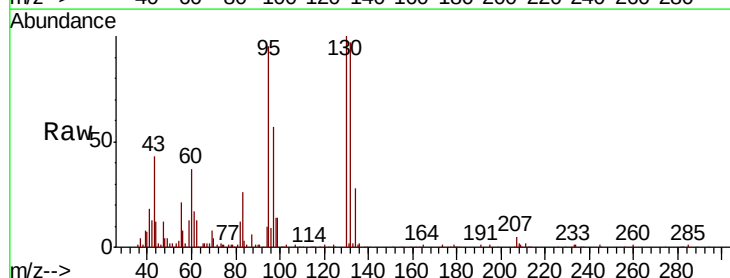
Acq: 16 May 2019 15:00

Tgt Ion: 130 Resp: 108649

Ion Ratio Lower Upper

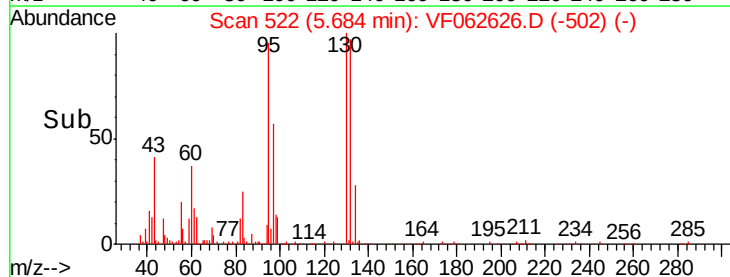
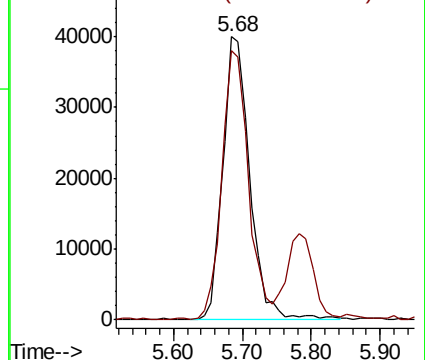
130 100

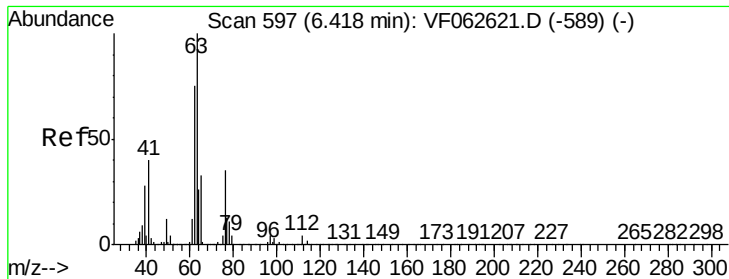
95 95.1 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 10.467 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

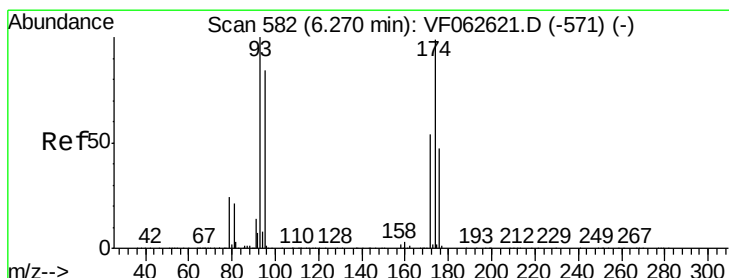
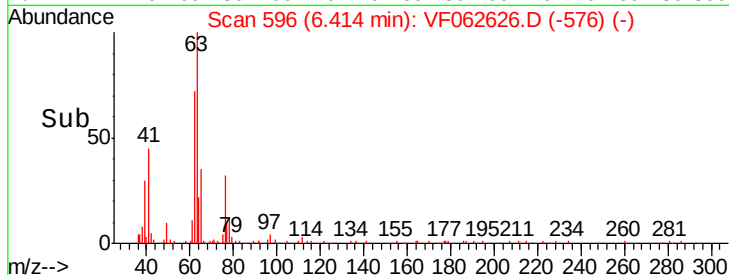
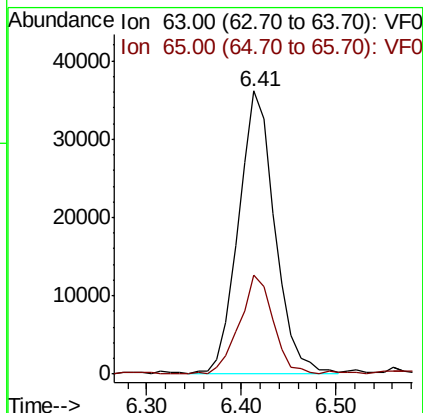
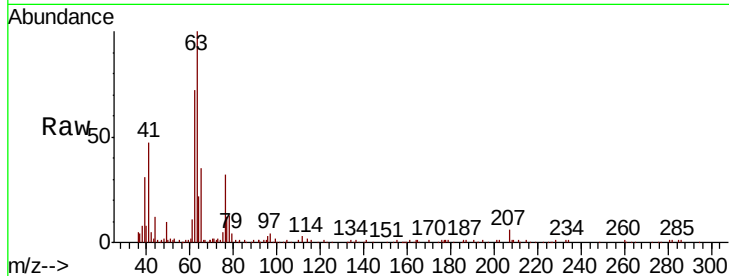
VSTDIC010

Tot Ion: 63 Resp: 96610

Ion Ratio Lower Upper

63 100

65 34.9 26.3 39.5



#46

Dibromomethane

Concen: 10.539 ug/l

RT: 6.27 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

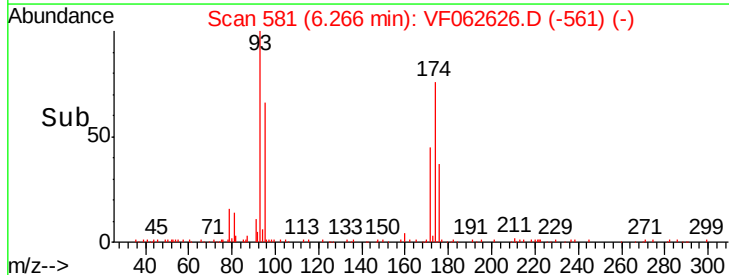
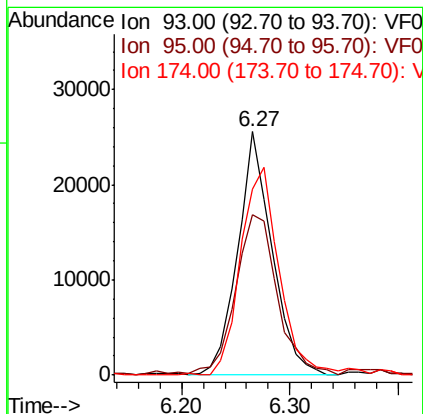
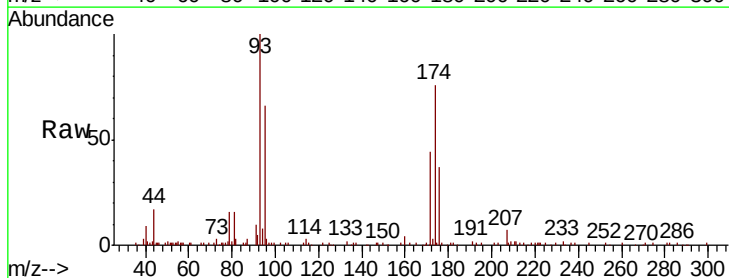
Tgt Ion: 93 Resp: 56214

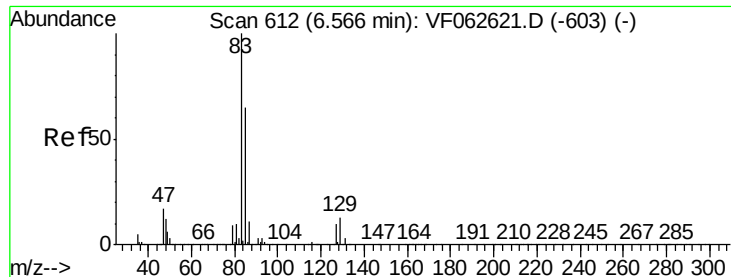
Ion Ratio Lower Upper

93 100

95 65.7 67.4 101.2#

174 77.9 79.4 119.2#





#47

Bromodichloromethane

Concen: 9.615 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

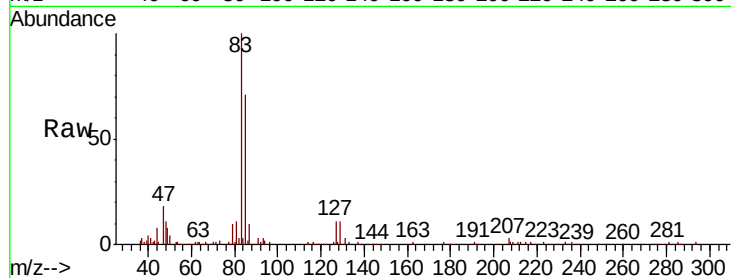
Tot Ion: 83 Resp: 106468

Ion Ratio Lower Upper

83 100

85 71.2 52.0 78.0

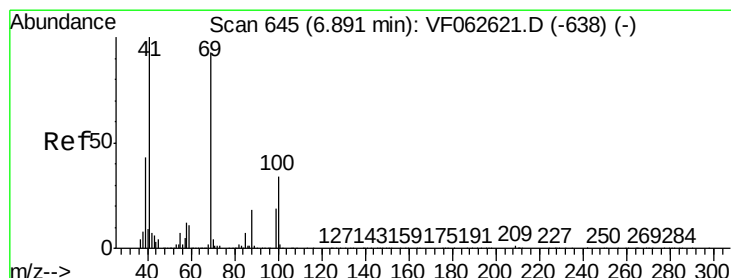
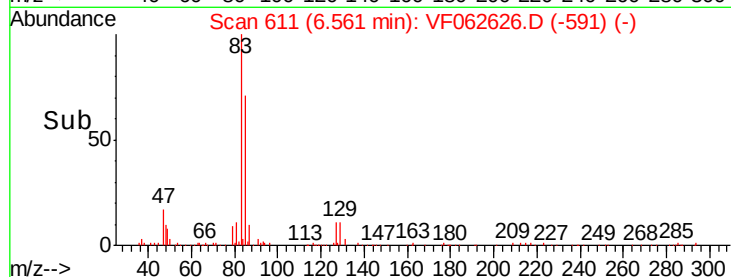
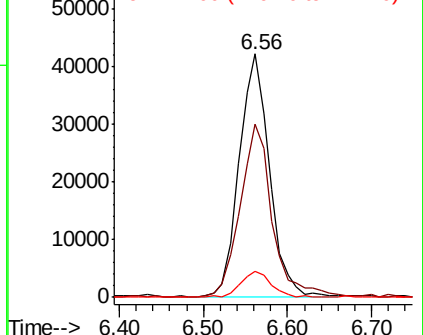
127 10.7 7.7 11.5



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: 11.082 ug/l

RT: 6.89 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

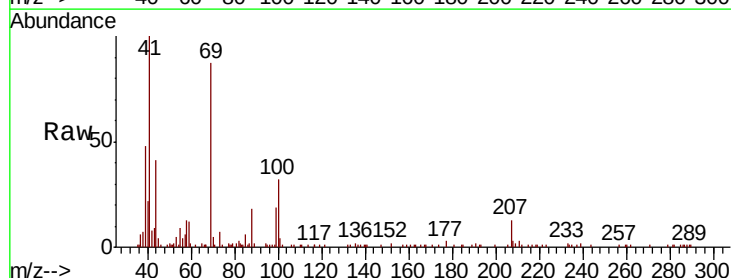
Tgt Ion: 41 Resp: 41120

Ion Ratio Lower Upper

41 100

69 87.4 74.2 111.2

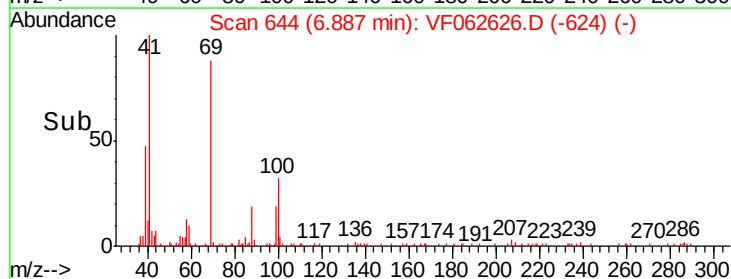
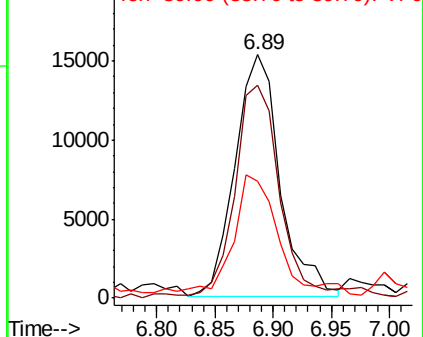
39 48.2 34.2 51.4

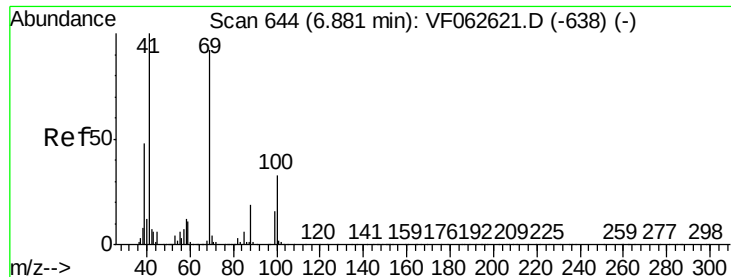


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 231.706 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

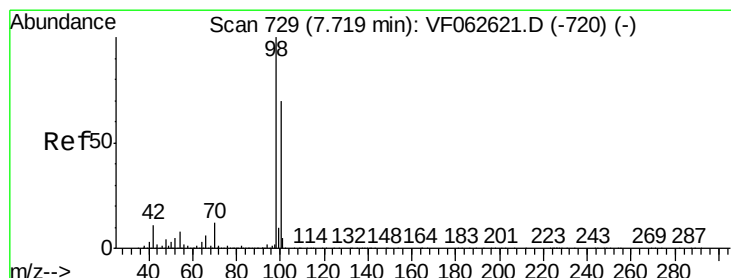
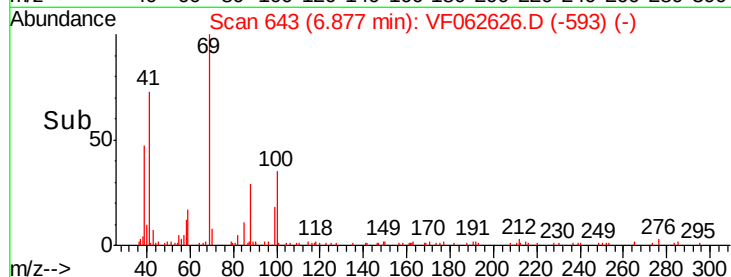
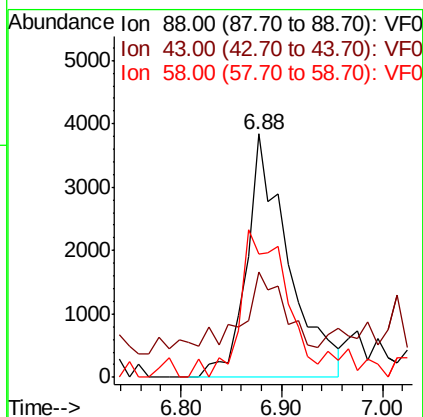
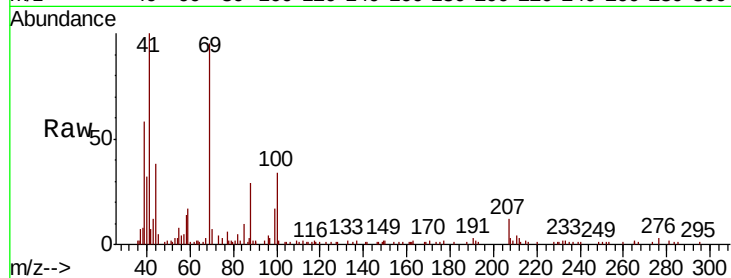
Tot Ion: 88 Resp: 11012

Ion Ratio Lower Upper

88 100

43 43.3 30.0 45.0

58 50.4 51.1 76.7#



#50

Toluene-d8

Concen: 10.633 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062626.D

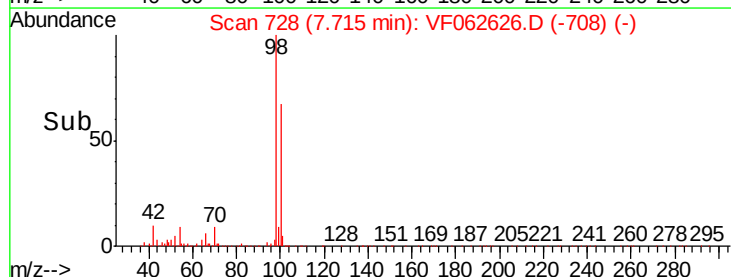
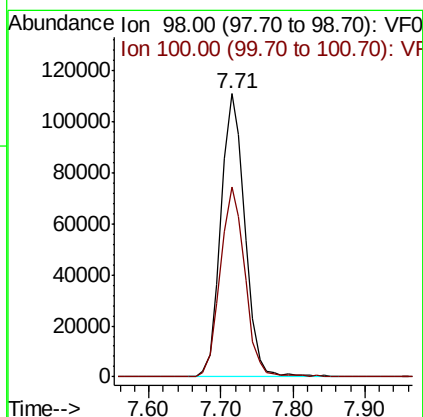
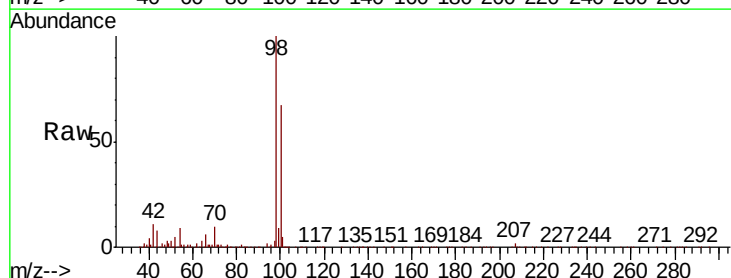
Acq: 16 May 2019 15:00

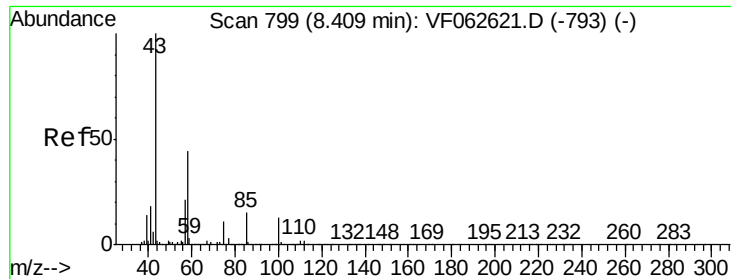
Tgt Ion: 98 Resp: 254433

Ion Ratio Lower Upper

98 100

100 67.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 64.114 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

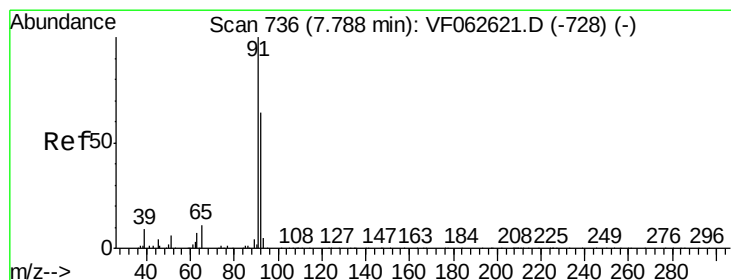
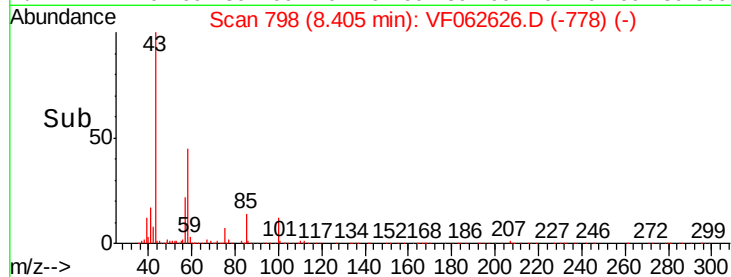
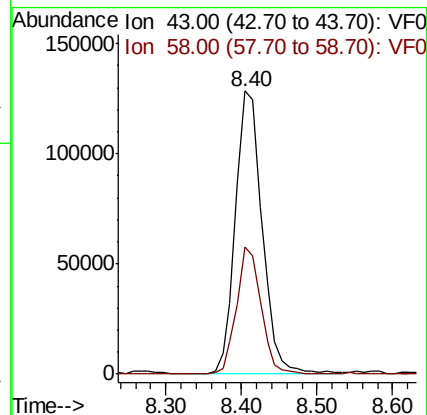
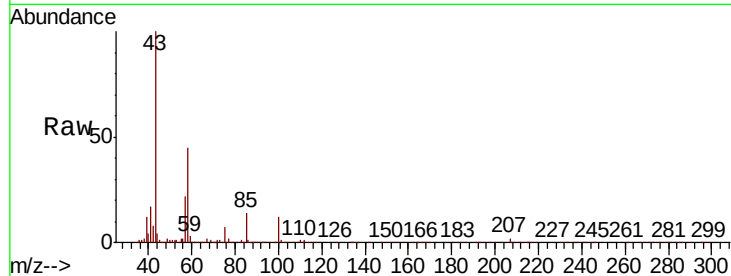
VSTDIC010

Tot Ion: 43 Resp: 311119

Ion Ratio Lower Upper

43 100

58 44.7 34.9 52.3



#52

Toluene

Concen: 9.901 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062626.D

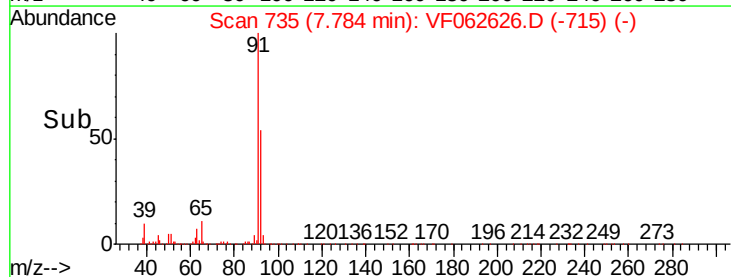
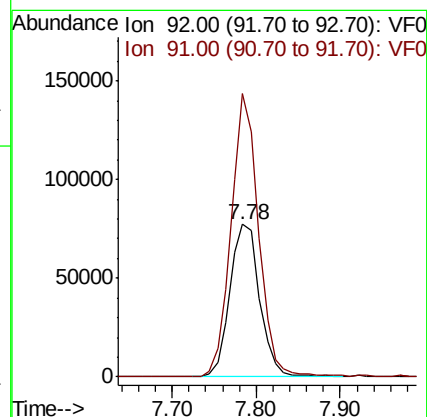
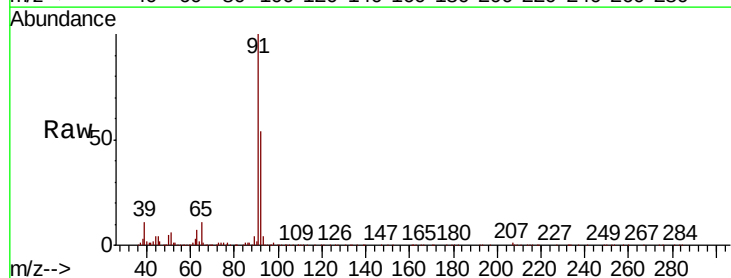
Acq: 16 May 2019 15:00

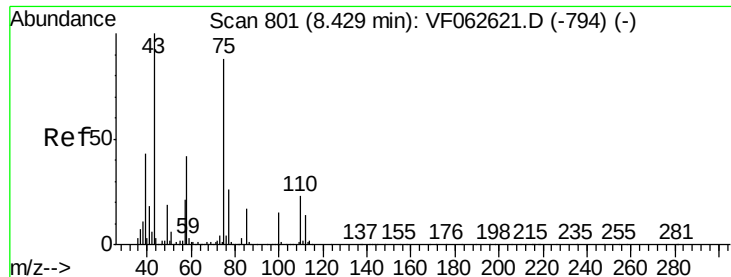
Tgt Ion: 92 Resp: 189854

Ion Ratio Lower Upper

92 100

91 185.5 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 10.449 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

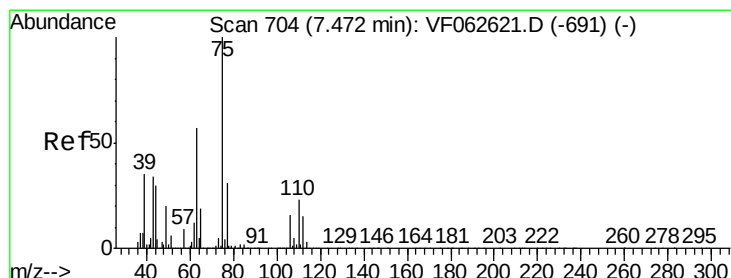
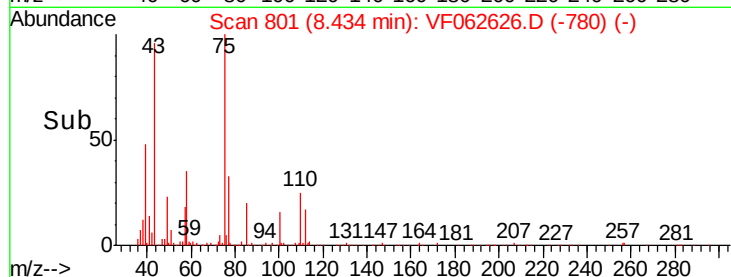
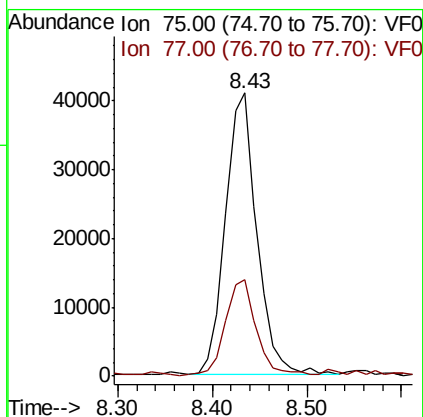
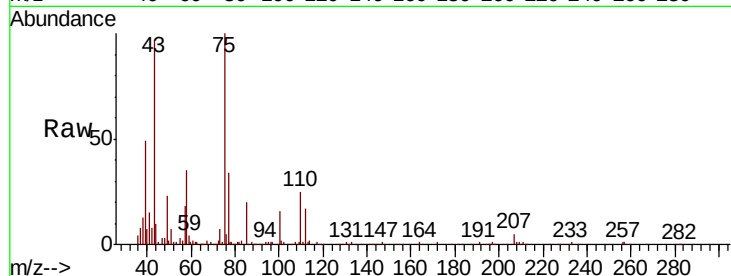
VSTDIC010

Tot Ion: 75 Resp: 94664

Ion Ratio Lower Upper

75 100

77 33.9 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 10.348 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

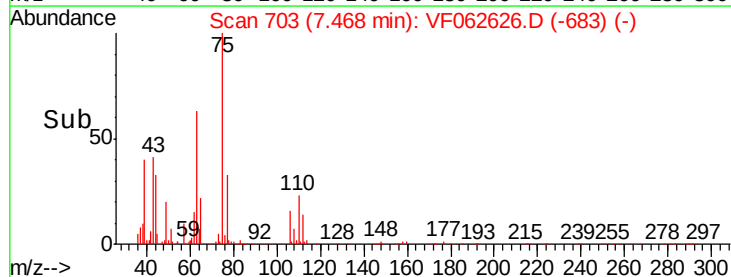
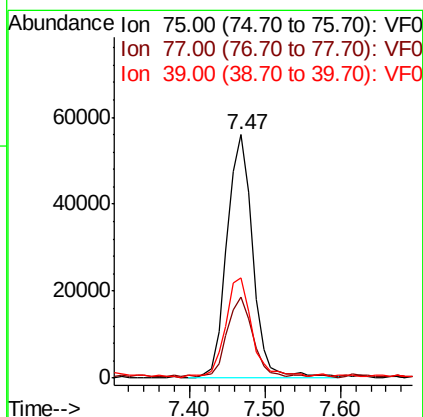
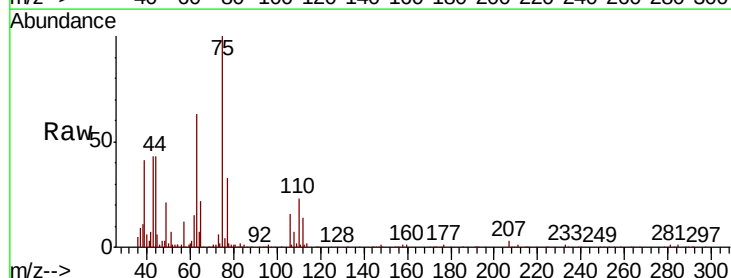
Tgt Ion: 75 Resp: 131230

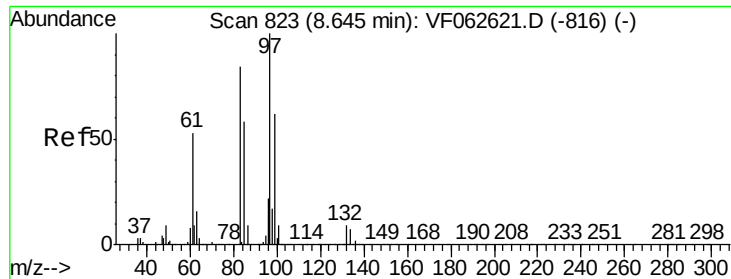
Ion Ratio Lower Upper

75 100

77 33.3 25.3 37.9

39 41.3 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 10.266 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 58282

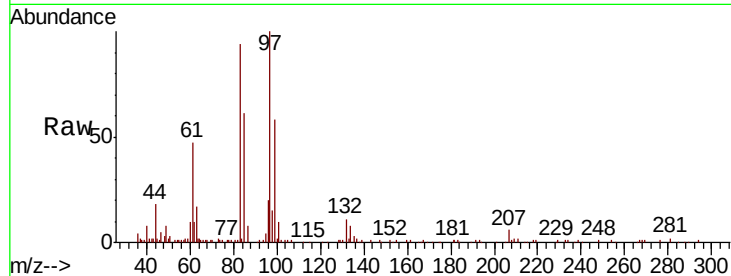
Ion Ratio Lower Upper

97 100

83 94.5 67.3 100.9

85 61.3 46.6 69.8

99 57.9 49.7 74.5

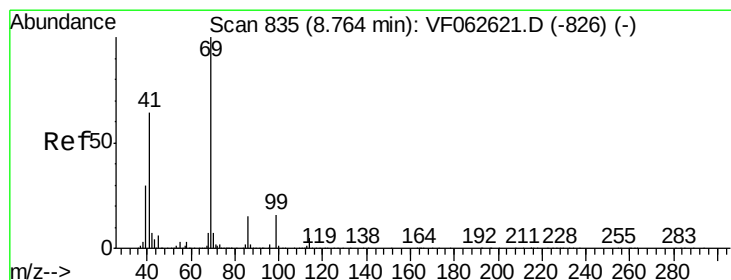
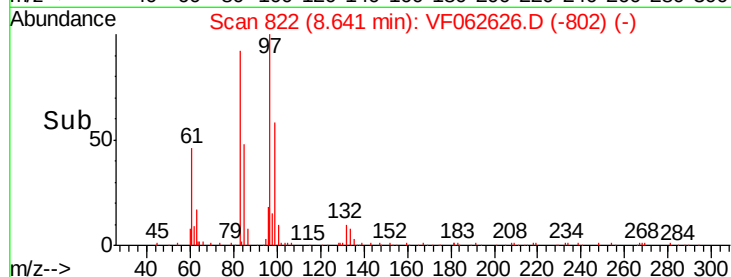
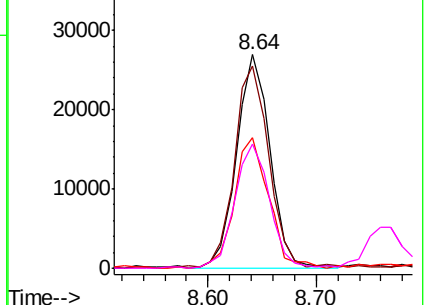


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 11.751 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

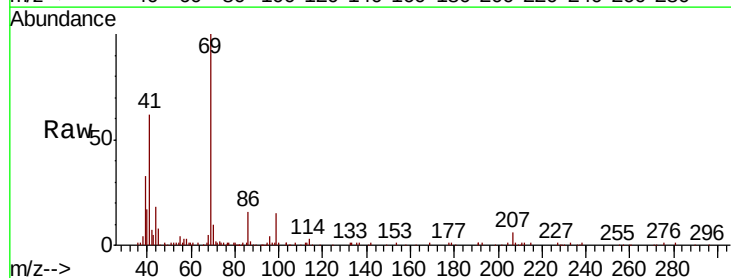
Tgt Ion: 69 Resp: 79480

Ion Ratio Lower Upper

69 100

41 62.5 51.4 77.2

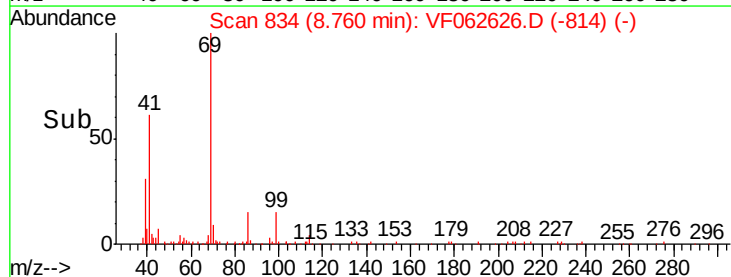
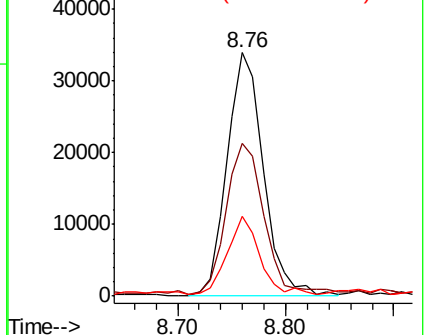
39 33.0 23.6 35.4

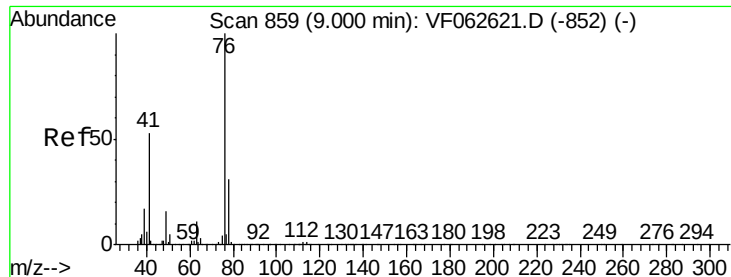


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

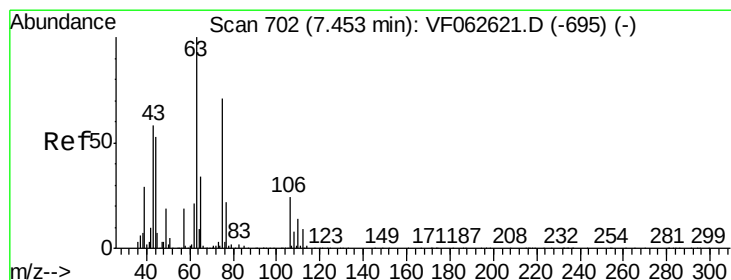
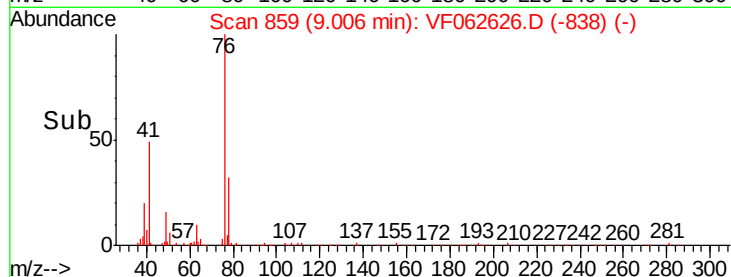
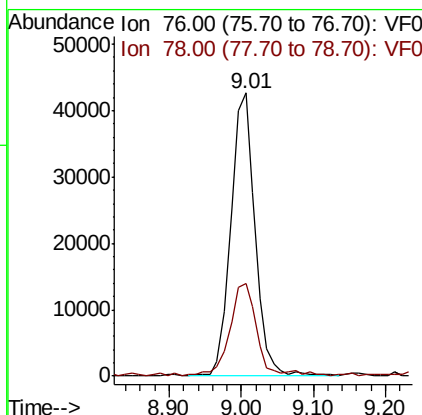
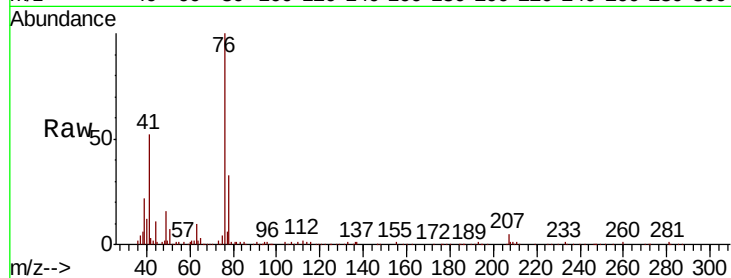




#57
 1,3-Dichloropropane
 Concen: 10.362 ug/l
 RT: 9.01 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

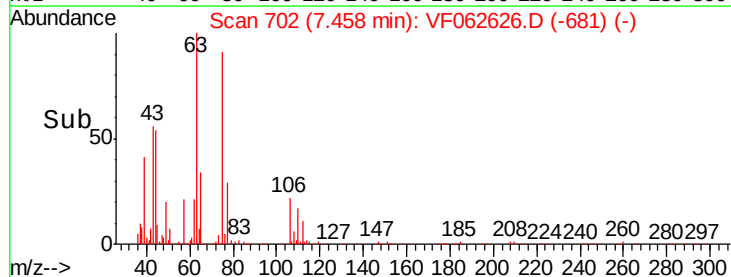
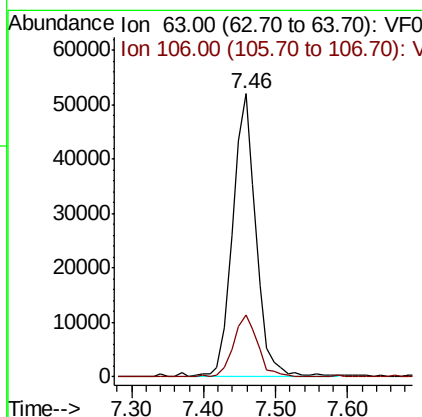
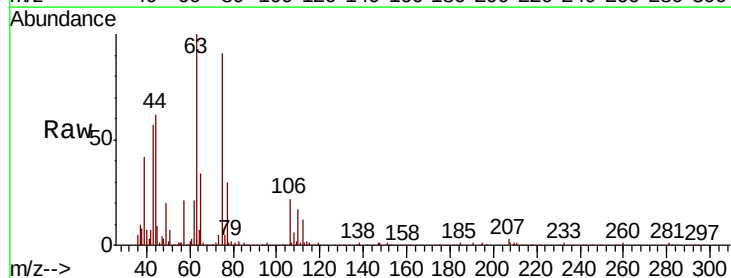
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

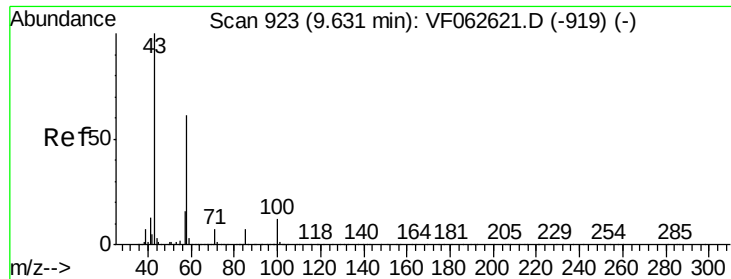
Tot Ion: 76 Resp: 100202
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.868 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion: 63 Resp: 116397
 Ion Ratio Lower Upper
 63 100
 106 21.9 19.1 28.7

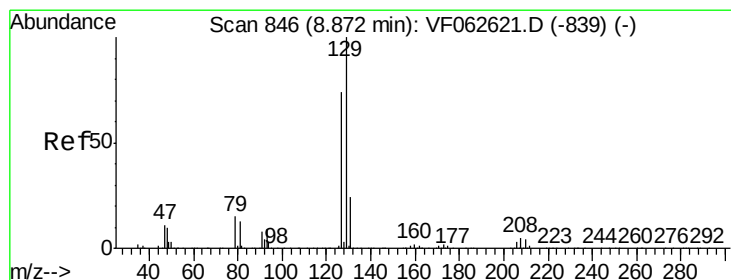
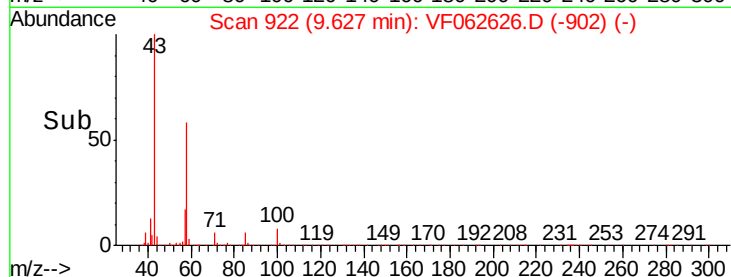
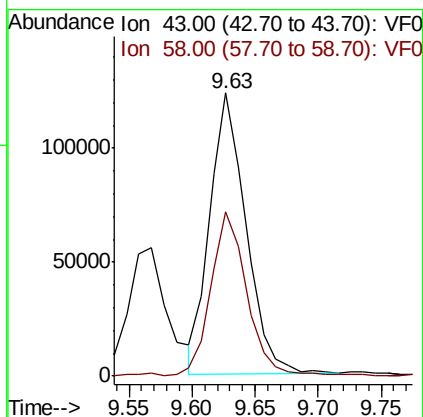
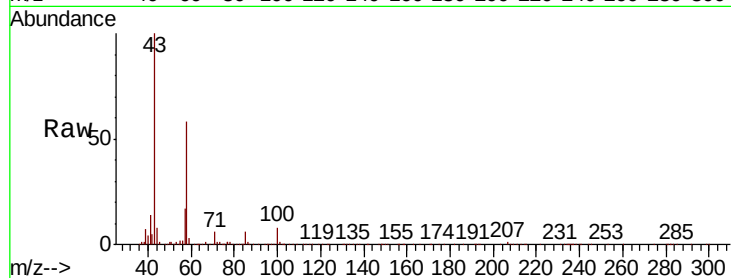




#59
2-Hexanone
Concen: 69.539 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

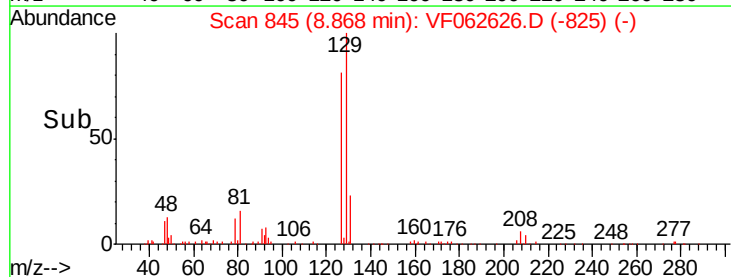
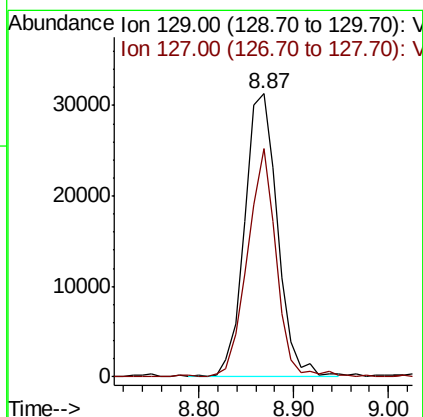
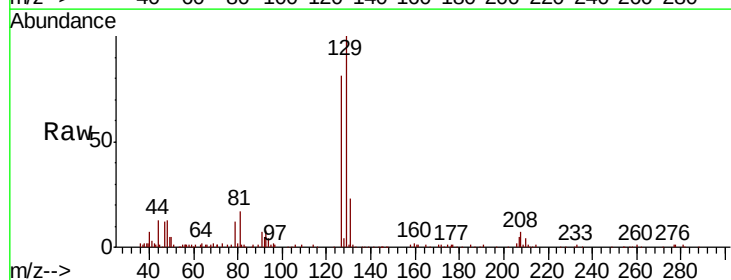
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

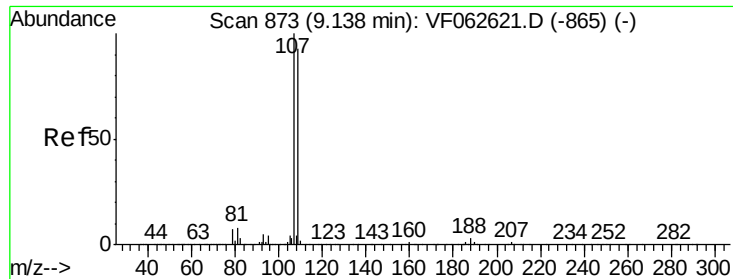
Tot Ion: 43 Resp: 246720
Ion Ratio Lower Upper
43 100
58 57.9 28.1 84.4



#60
Dibromochloromethane
Concen: 10.230 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 129 Resp: 75699
Ion Ratio Lower Upper
129 100
127 80.6 37.2 111.6





#61

1,2-Dibromoethane

Concen: 10.001 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

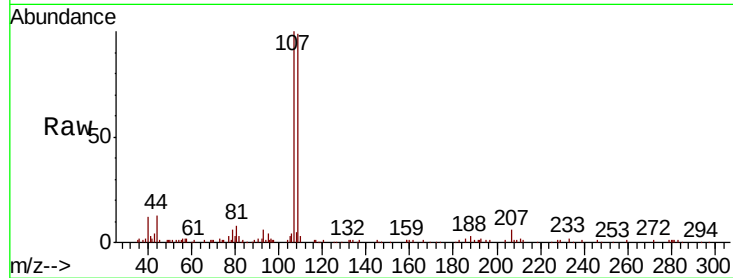
VSTDIC010

Tot Ion:107 Resp: 60307

Ion Ratio Lower Upper

107 100

109 99.0 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

25000

20000

15000

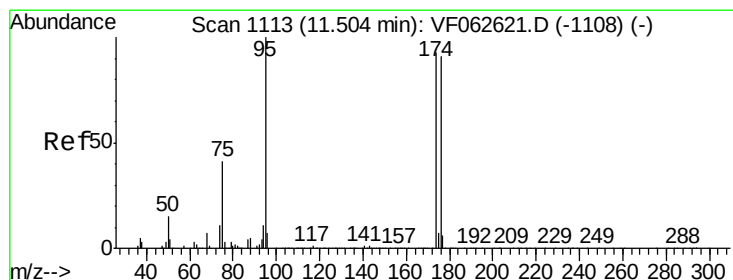
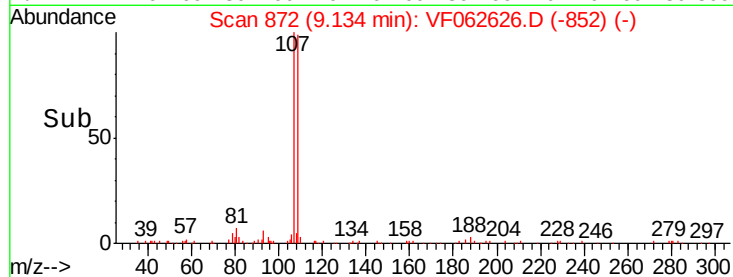
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 10.633 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

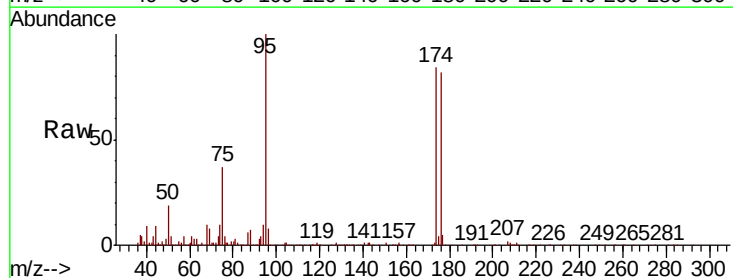
Tgt Ion: 95 Resp: 96502

Ion Ratio Lower Upper

95 100

174 83.8 0.0 185.6

176 82.4 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

80000

60000

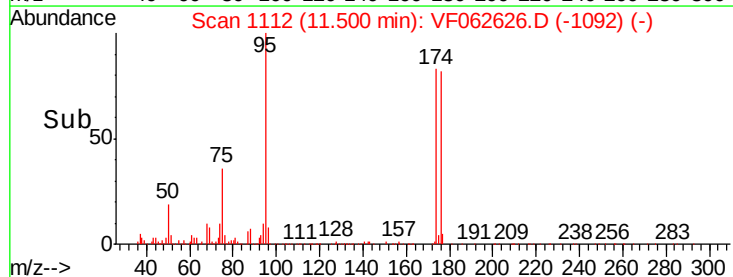
40000

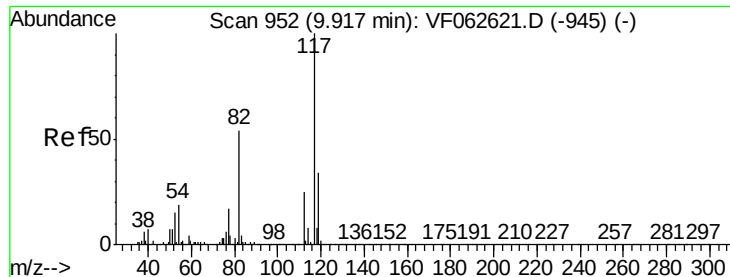
20000

0

Time-->

11.40 11.50 11.60

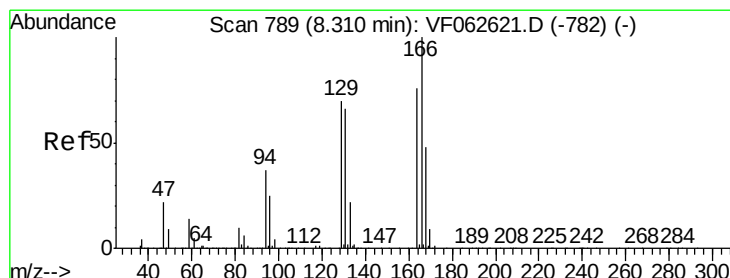
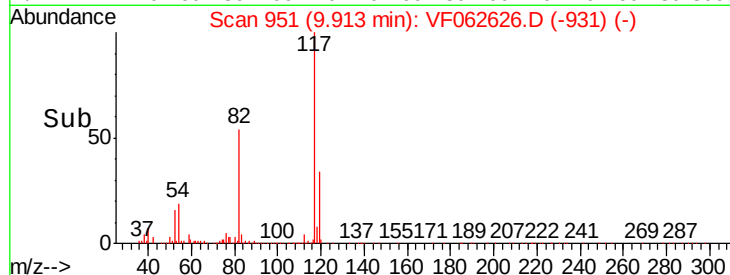
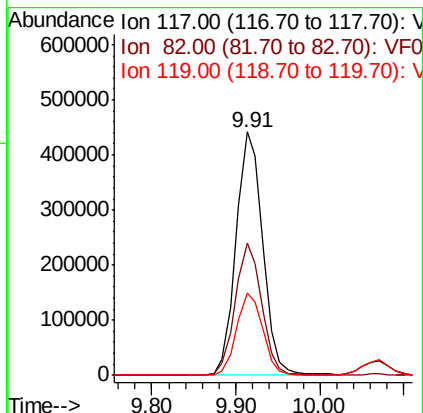
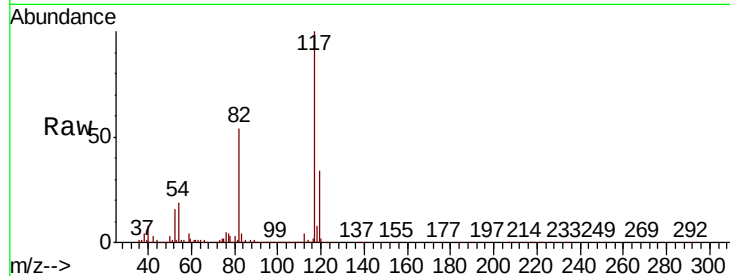




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

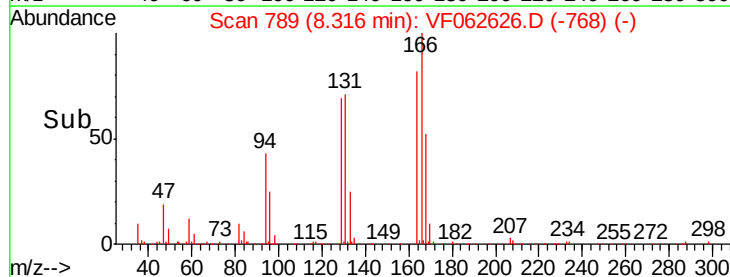
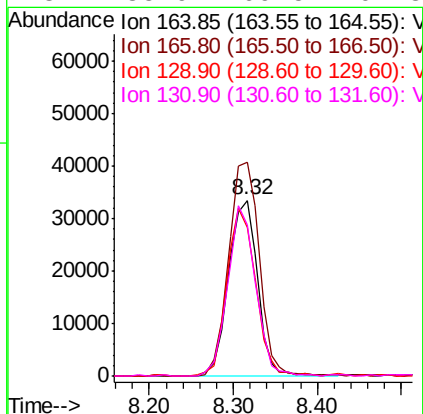
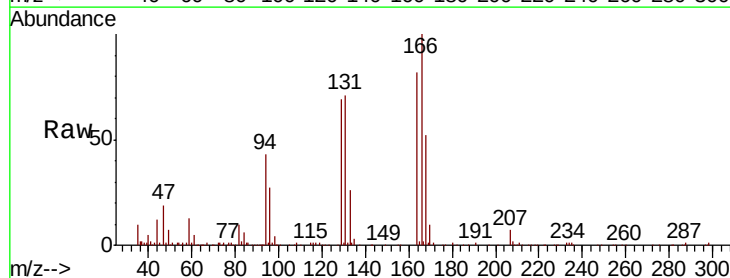
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

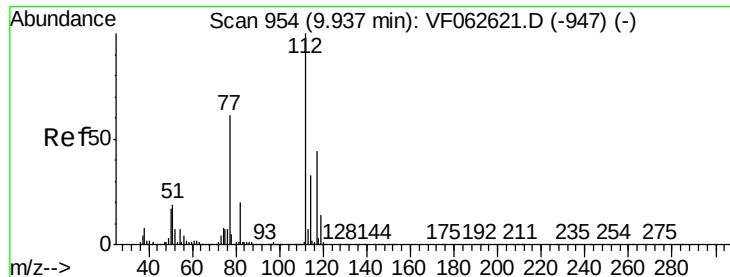
Tot Ion:	117	Resp:	980541
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.3	64.9
119	34.0	27.4	41.0



#64
Tetrachloroethene
Concen: 10.352 ug/l
RT: 8.32 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion:	164	Resp:	80418
Ion	Ratio	Lower	Upper
164	100		
166	121.7	105.5	158.3
129	84.4	73.8	110.6
131	85.9	69.5	104.3





#65

Chlorobenzene

Concen: 10.321 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

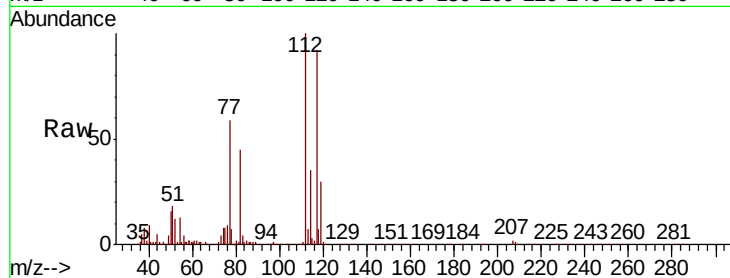
VSTDIC010

Tot Ion:112 Resp: 198765

Ion Ratio Lower Upper

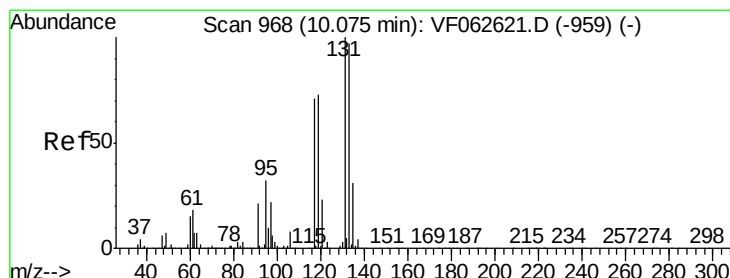
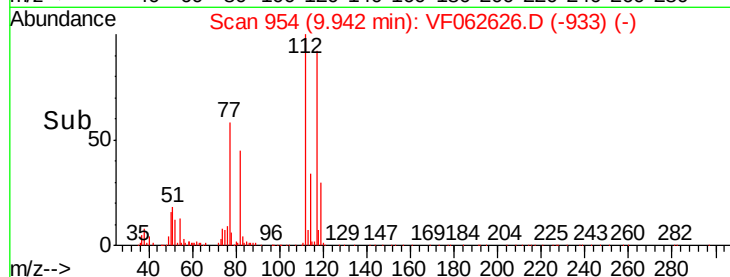
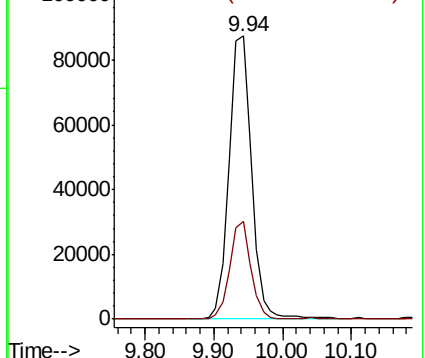
112 100

114 34.5 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.666 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

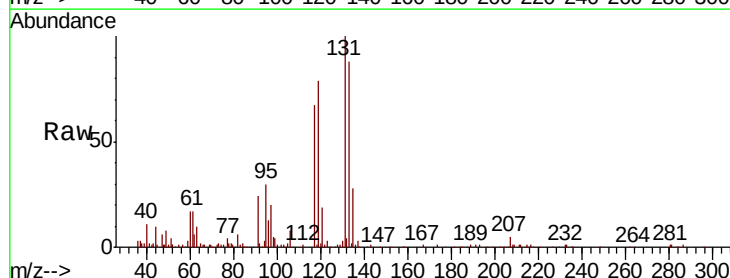
Tgt Ion:131 Resp: 82461

Ion Ratio Lower Upper

131 100

133 88.2 48.5 145.5

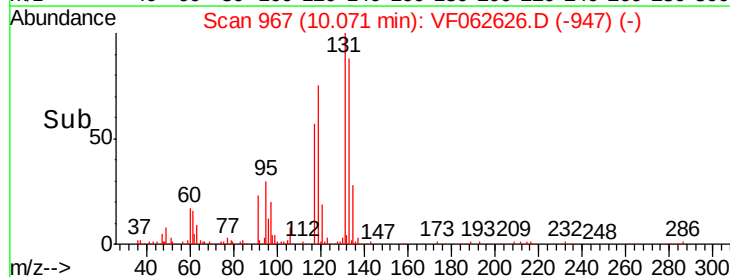
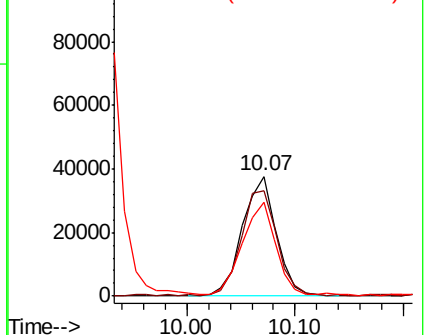
119 78.9 36.8 110.4

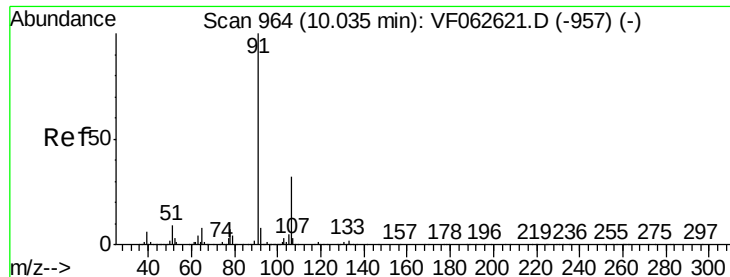


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 10.670 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

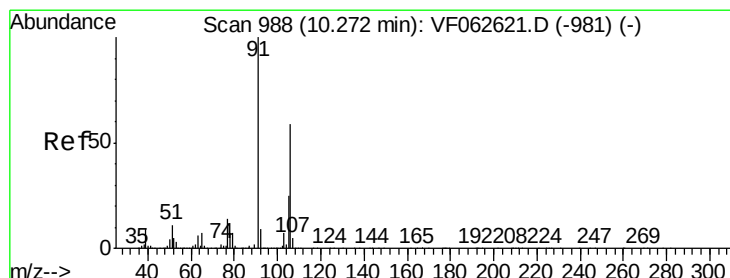
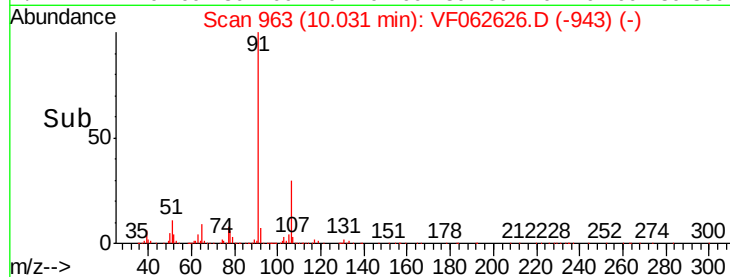
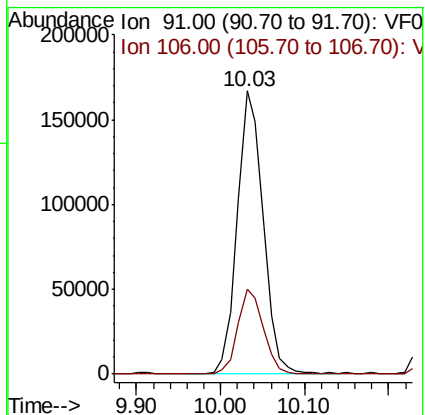
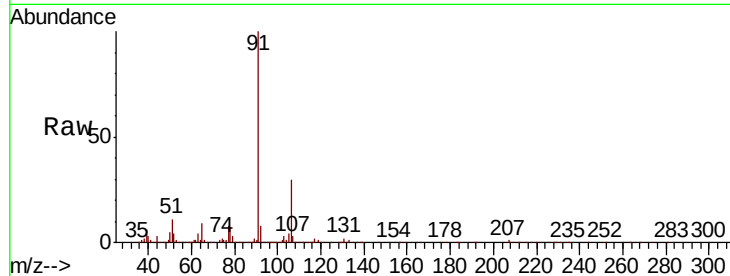
VSTDIC010

Tot Ion: 91 Resp: 356995

Ion Ratio Lower Upper

91 100

106 30.0 25.8 38.8



#68

m/p-Xylenes

Concen: 20.583 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062626.D

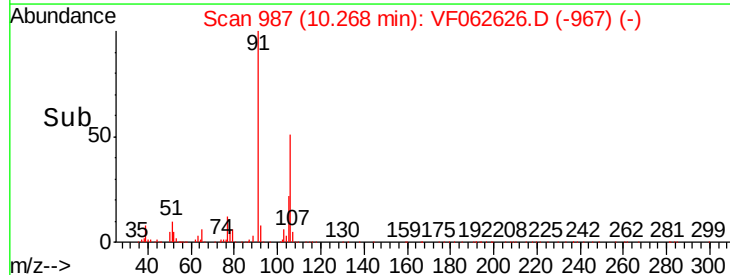
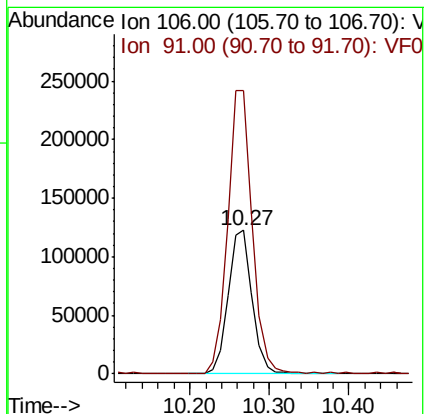
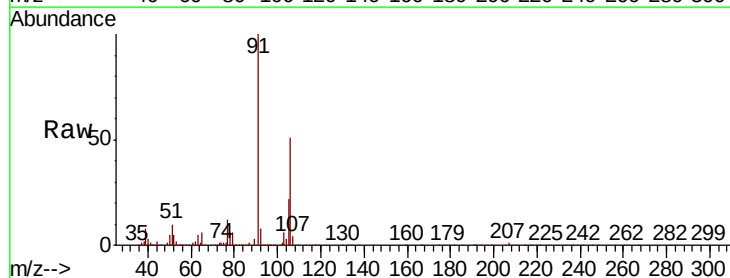
Acq: 16 May 2019 15:00

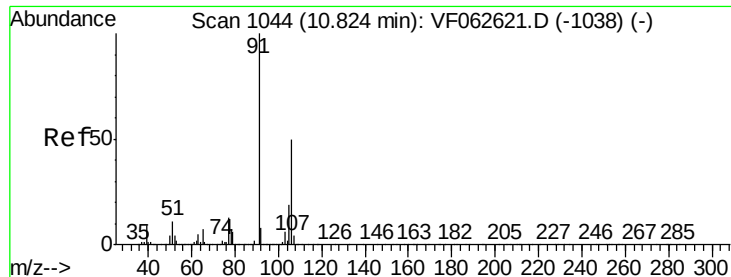
Tgt Ion: 106 Resp: 258818

Ion Ratio Lower Upper

106 100

91 197.6 136.9 205.3

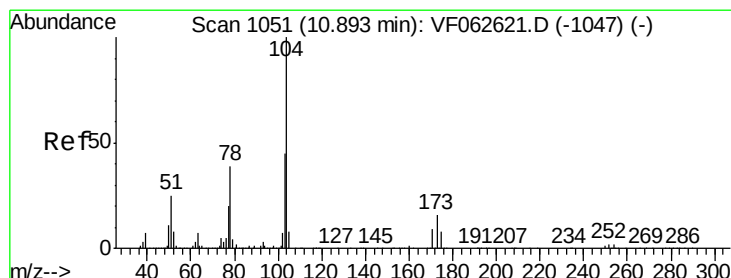
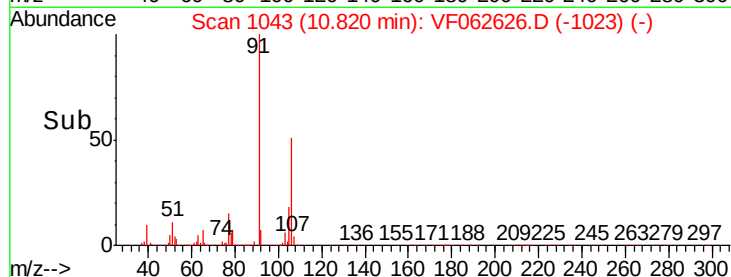
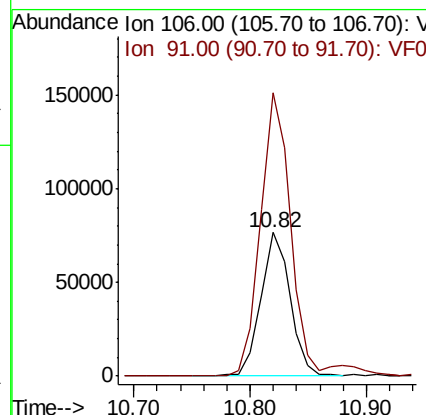
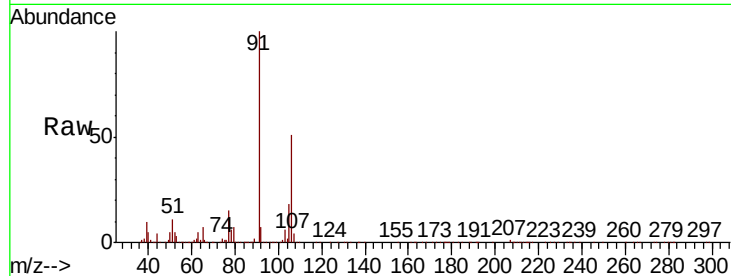




#69
o-Xylene
Concen: 10.351 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

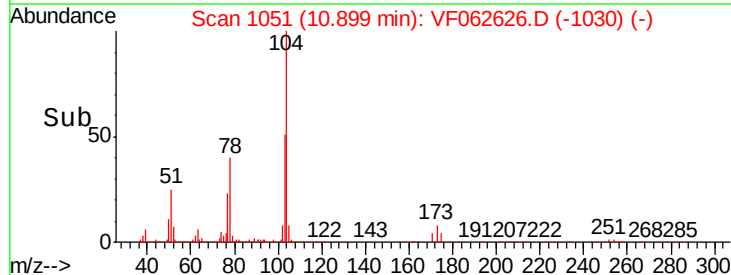
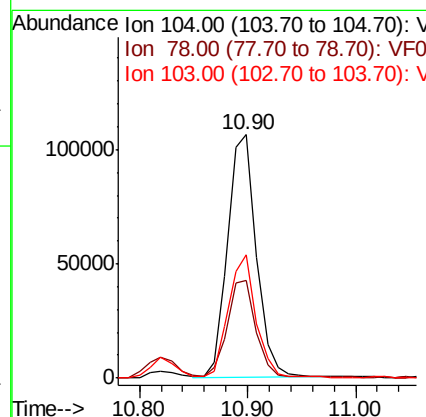
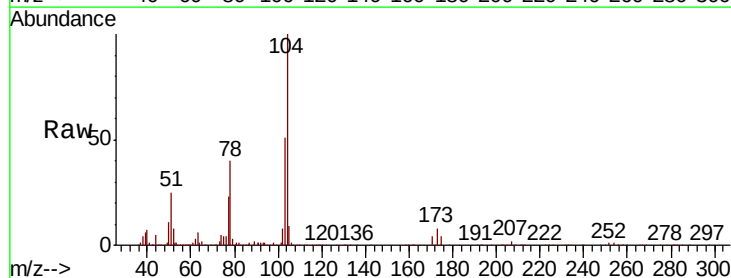
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

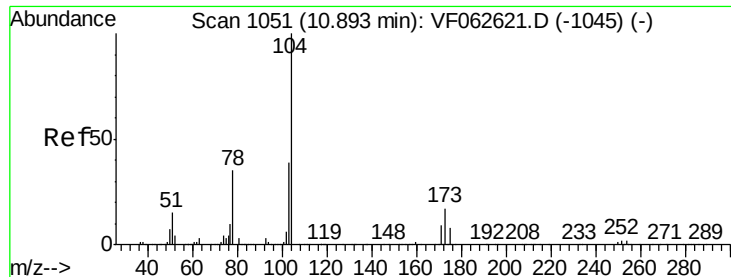
Tot Ion:106 Resp: 134063
Ion Ratio Lower Upper
106 100
91 197.1 100.2 300.5



#70
Styrene
Concen: 10.007 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion:104 Resp: 197001
Ion Ratio Lower Upper
104 100
78 40.3 31.9 47.9
103 50.8 36.1 54.1





#71

Bromoform

Concen: 9.892 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

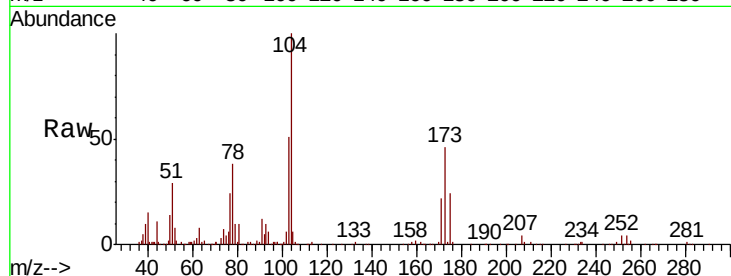
Tot Ion:173 Resp: 38305

Ion Ratio Lower Upper

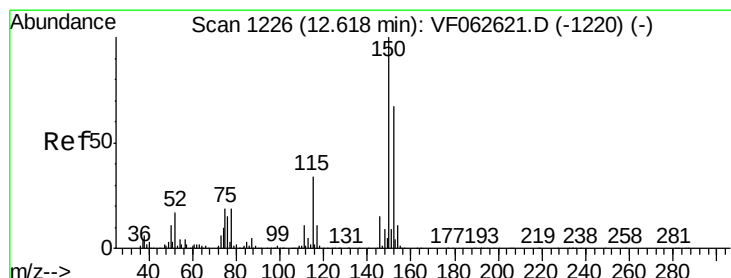
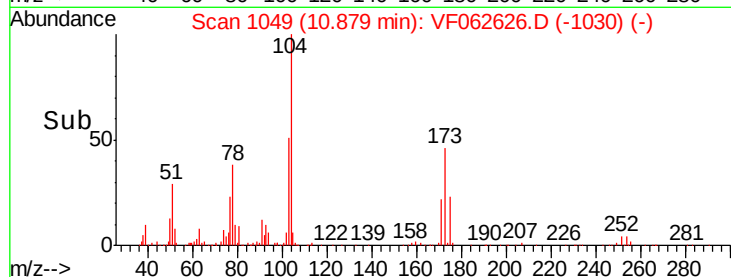
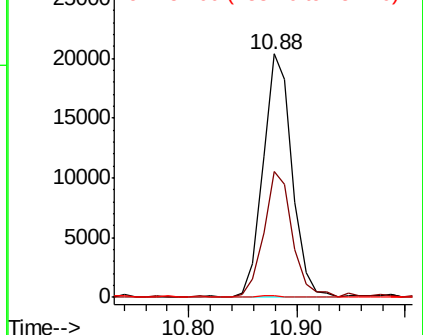
173 100

175 50.4 25.3 75.9

254 0.7 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

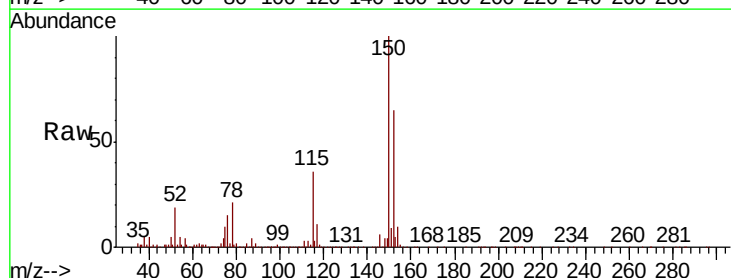
Tgt Ion:152 Resp: 469996

Ion Ratio Lower Upper

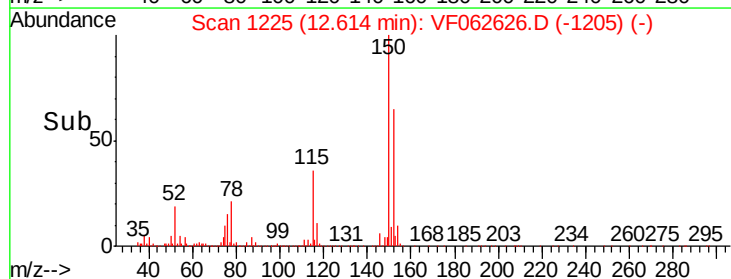
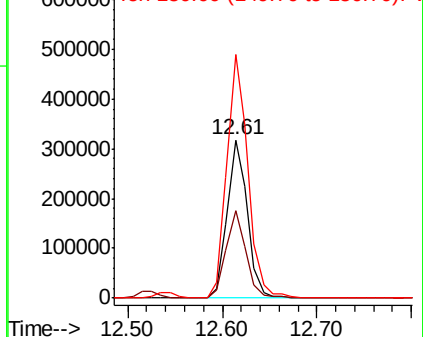
152 100

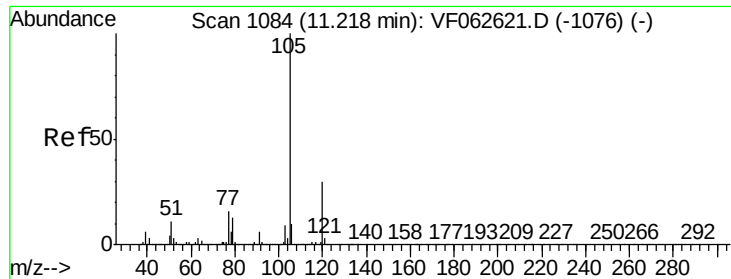
115 55.3 25.2 75.6

150 154.0 0.0 306.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.232 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

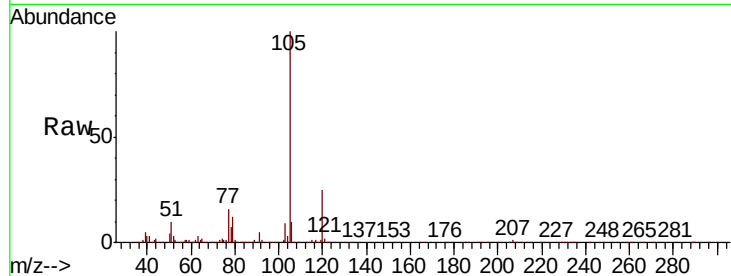
VSTDIC010

Tot Ion:105 Resp: 344663

Ion Ratio Lower Upper

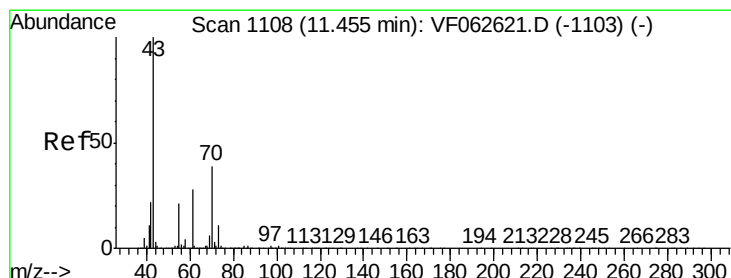
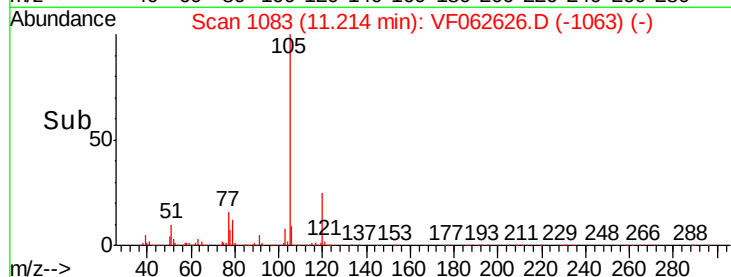
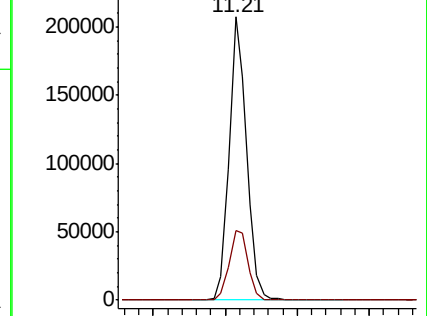
105 100

120 24.6 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.098 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion: 43 Resp: 167296

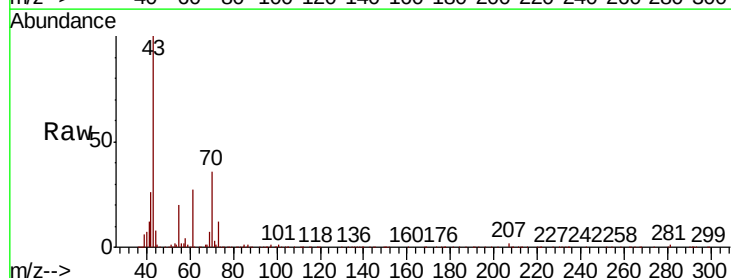
Ion Ratio Lower Upper

43 100

70 36.5 30.9 46.3

55 19.9 17.0 25.4

61 26.7 22.6 34.0

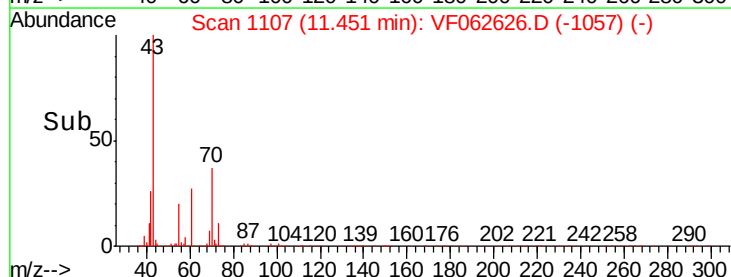
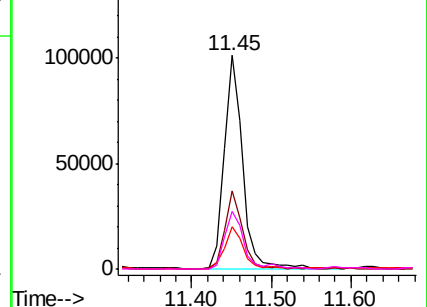


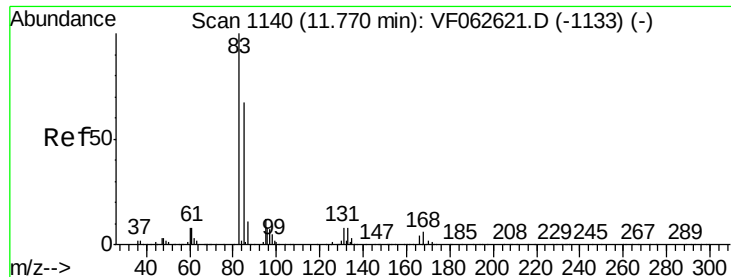
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 10.790 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

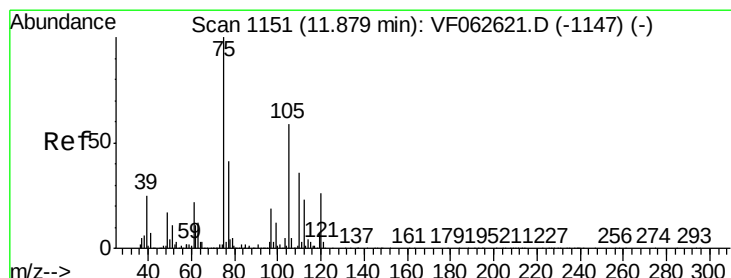
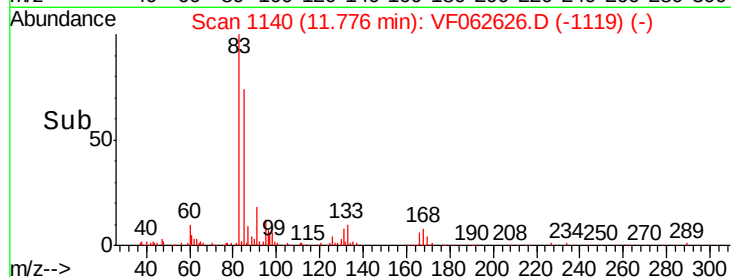
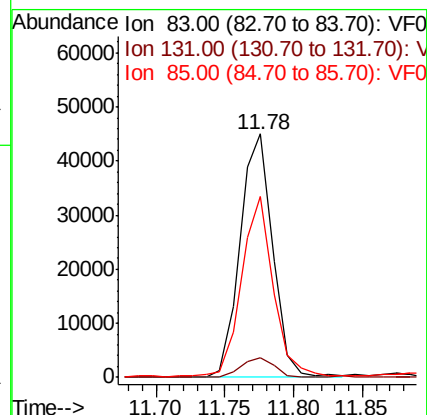
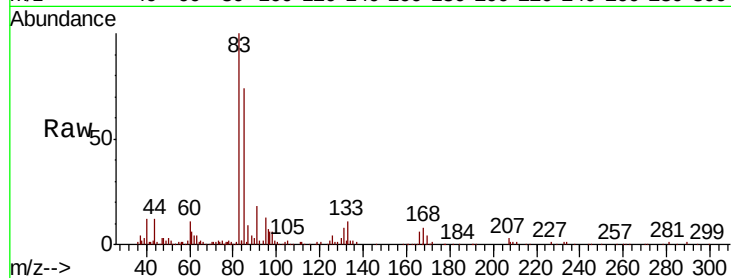
Tot Ion: 83 Resp: 74279

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.0	12.0
85	74.1	33.5	100.5

83 100

131 8.1 4.0 12.0

85 74.1 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 11.752 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062626.D

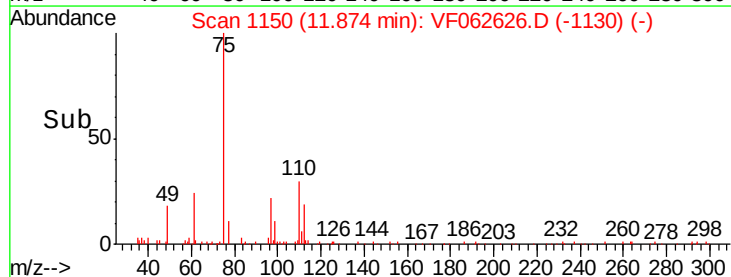
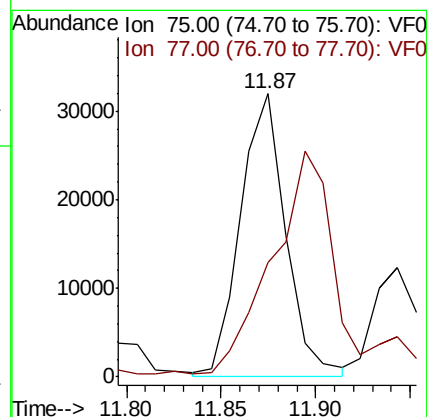
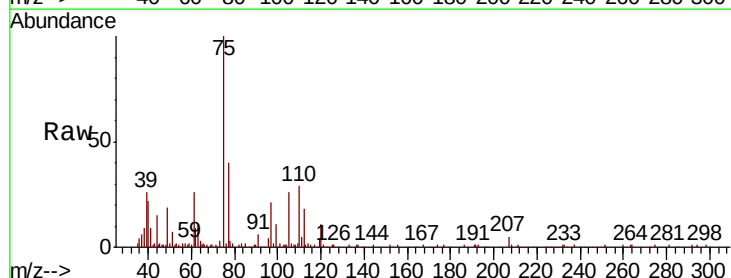
Acq: 16 May 2019 15:00

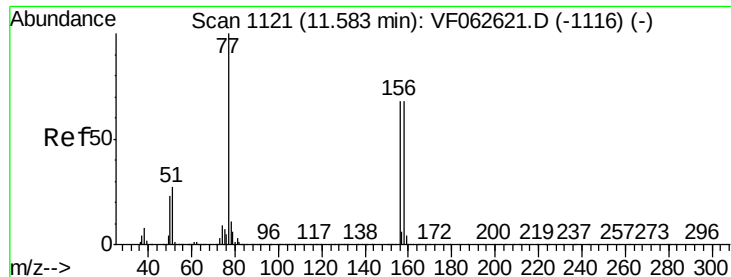
Tgt Ion: 75 Resp: 53156

Ion	Ratio	Lower	Upper
75	100		
77	40.3	20.6	61.8

75 100

77 40.3 20.6 61.8





#77

Bromobenzene

Concen: 10.792 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

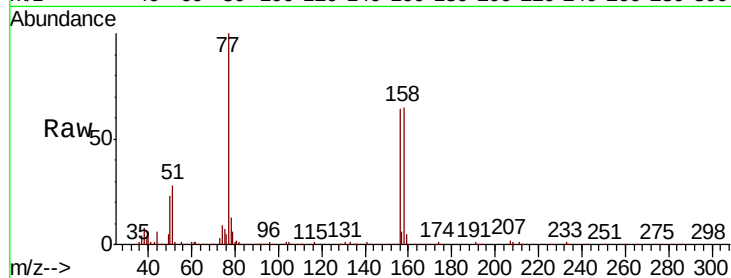
Tot Ion:156 Resp: 90359

Ion Ratio Lower Upper

156 100

77 157.3 73.6 220.8

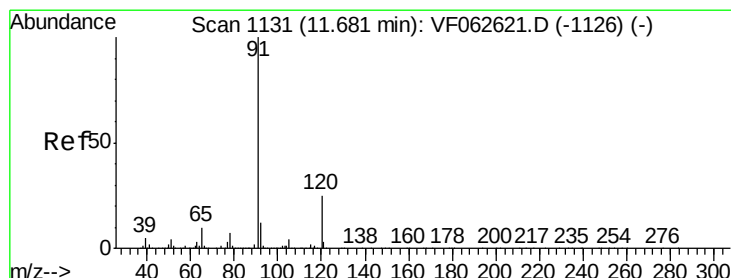
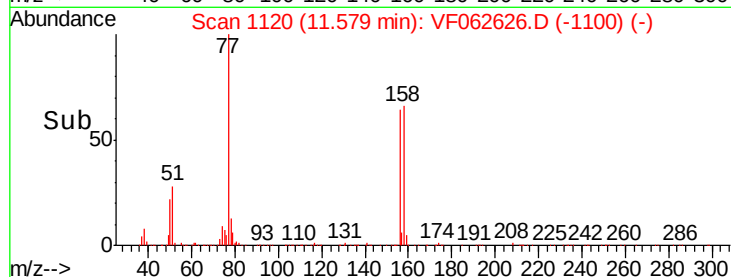
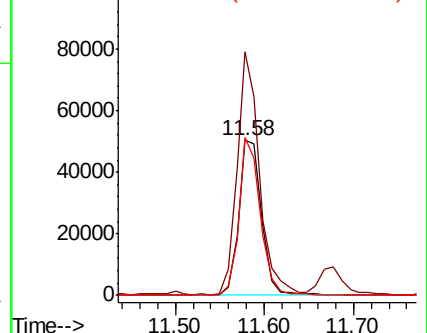
158 102.3 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 10.931 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062626.D

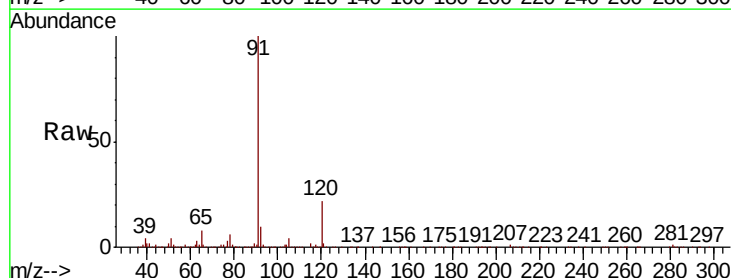
Acq: 16 May 2019 15:00

Tgt Ion: 91 Resp: 435784

Ion Ratio Lower Upper

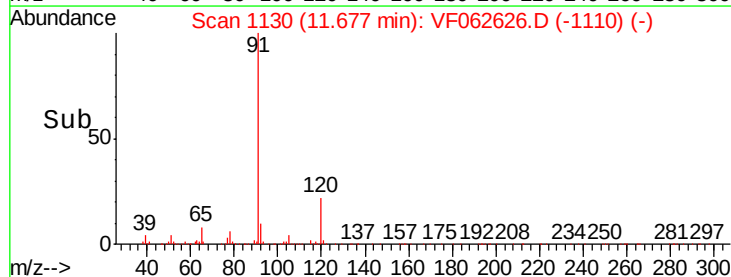
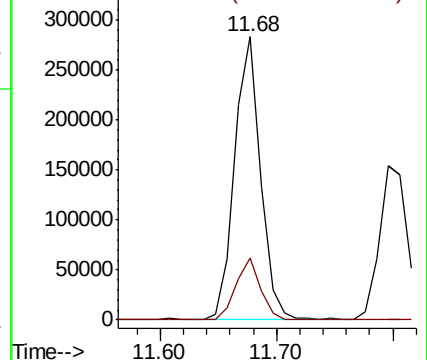
91 100

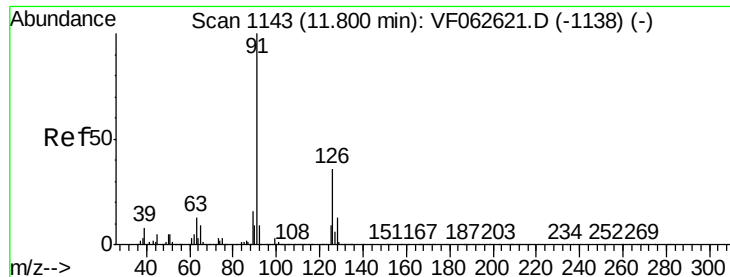
120 21.7 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.246 ug/l

RT: 11.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

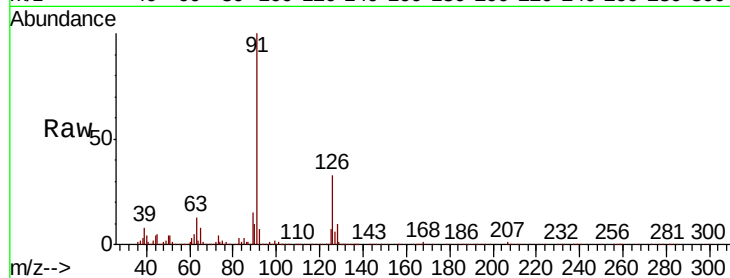
VSTDIC010

Tot Ion: 91 Resp: 252669

Ion Ratio Lower Upper

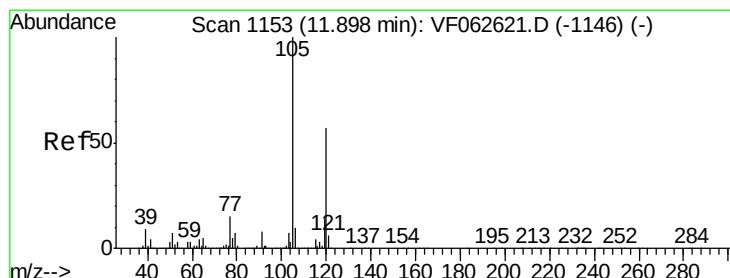
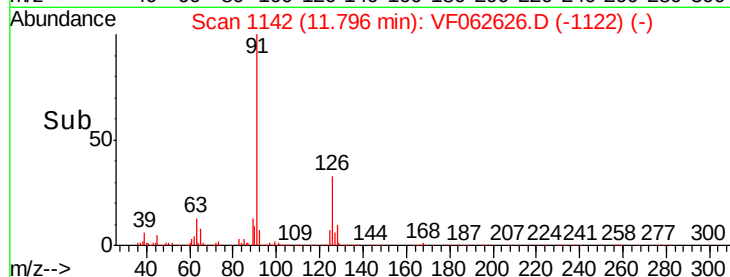
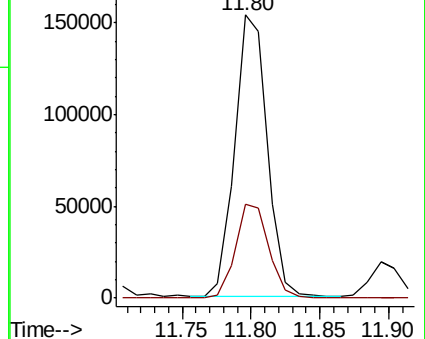
91 100

126 33.2 18.1 54.4



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: 11.126 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062626.D

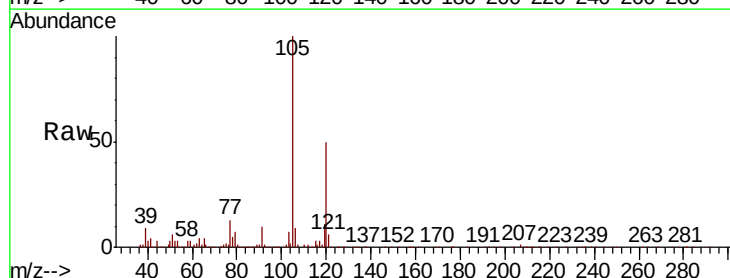
Acq: 16 May 2019 15:00

Tgt Ion: 105 Resp: 300521

Ion Ratio Lower Upper

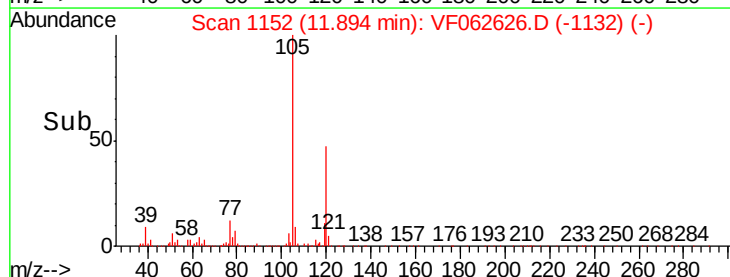
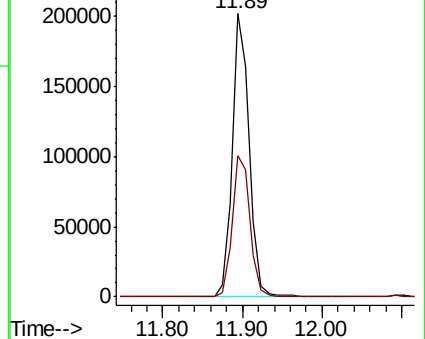
105 100

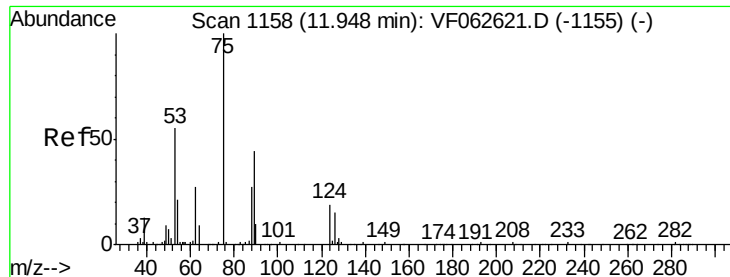
120 50.0 28.7 86.3



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: 11.322 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

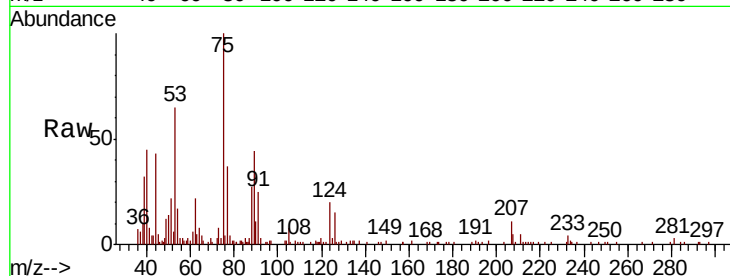
Tot Ion: 75 Resp: 28454

Ion Ratio Lower Upper

75 100

53 65.1 46.9 70.3

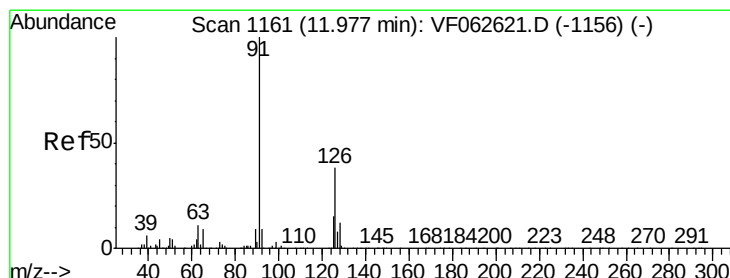
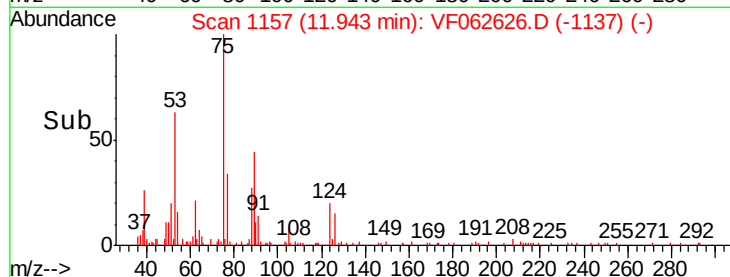
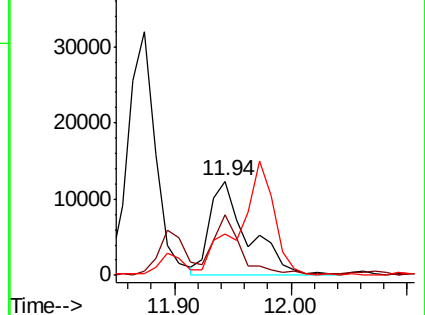
89 43.5 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 10.852 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062626.D

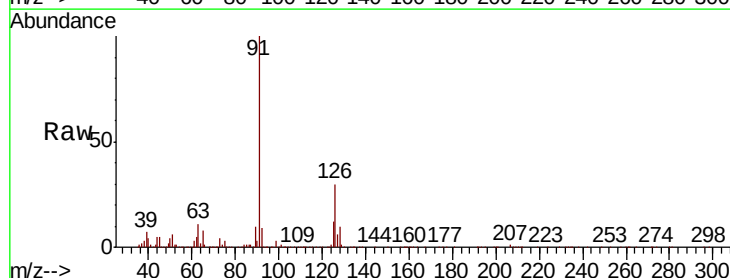
Acq: 16 May 2019 15:00

Tgt Ion: 91 Resp: 240436

Ion Ratio Lower Upper

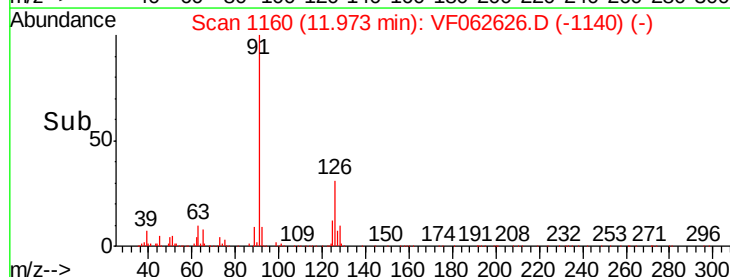
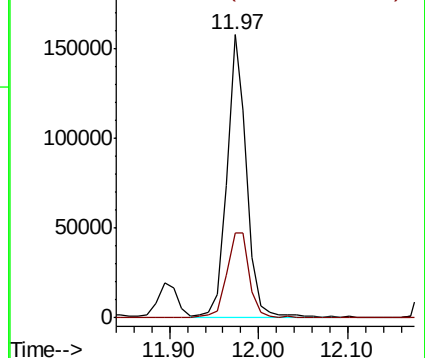
91 100

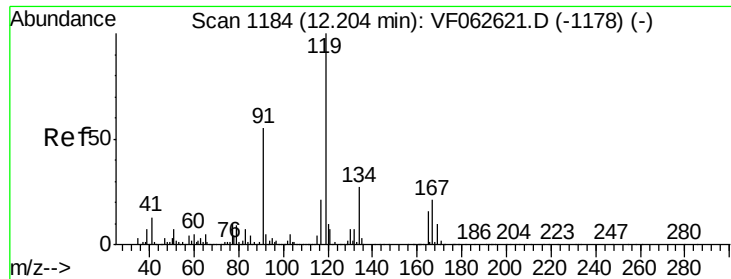
126 30.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 10.720 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC010

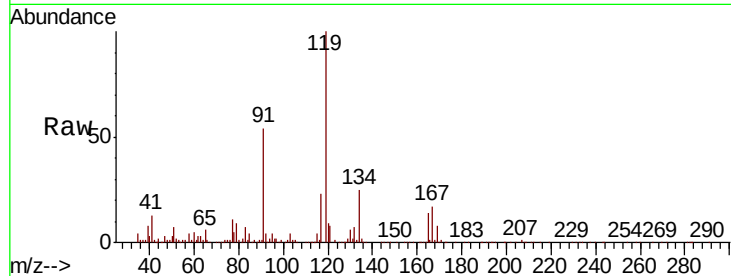
Tot Ion:119 Resp: 293757

Ion Ratio Lower Upper

119 100

91 53.7 27.3 81.9

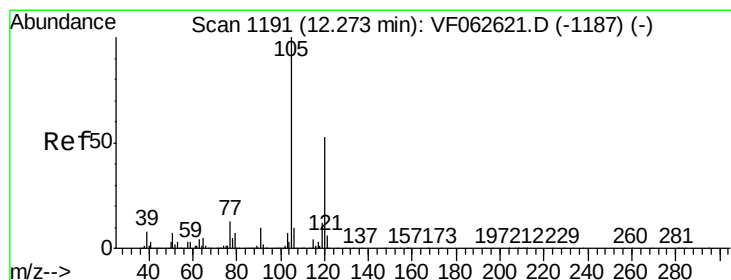
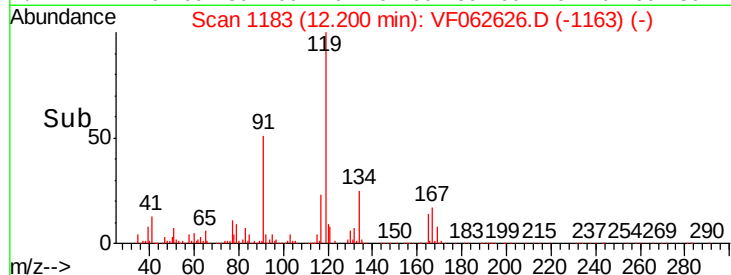
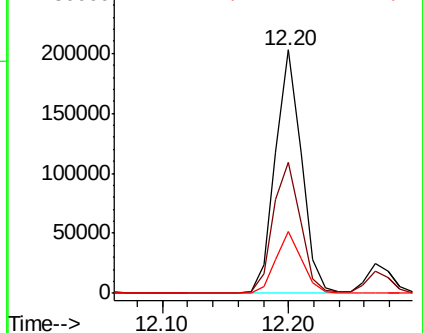
134 25.5 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.184 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VF062626.D

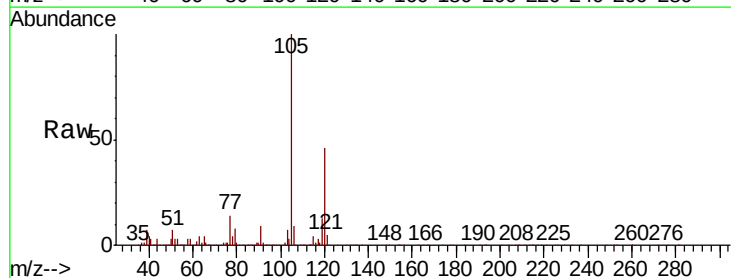
Acq: 16 May 2019 15:00

Tgt Ion:105 Resp: 292369

Ion Ratio Lower Upper

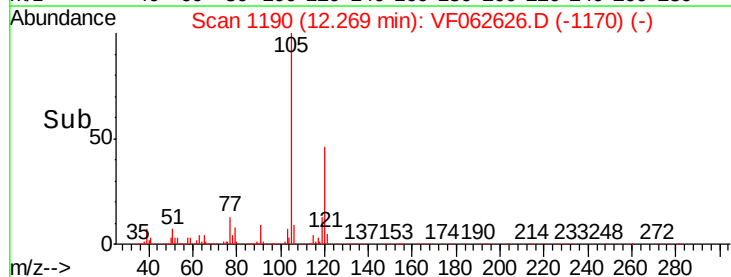
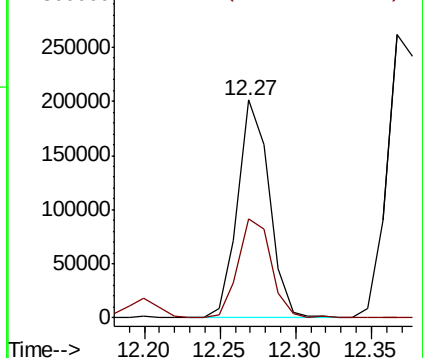
105 100

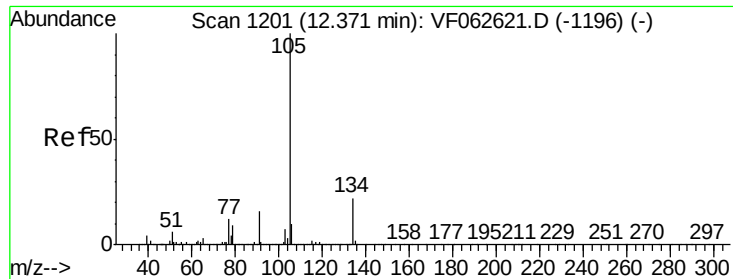
120 45.6 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

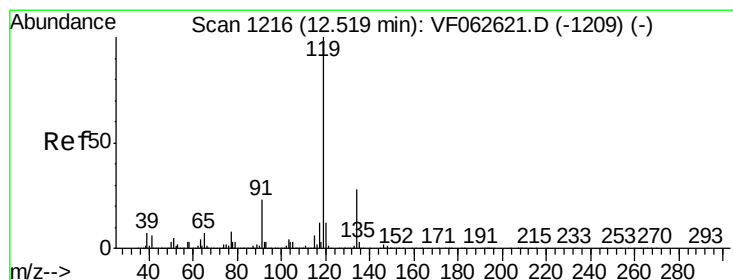
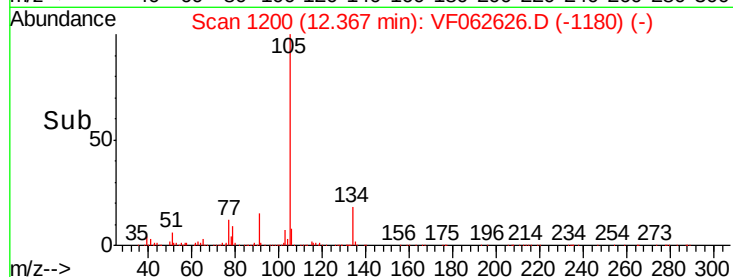
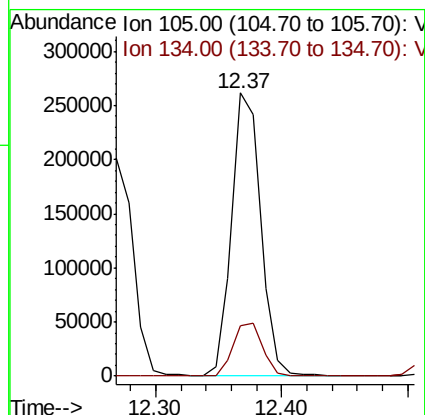
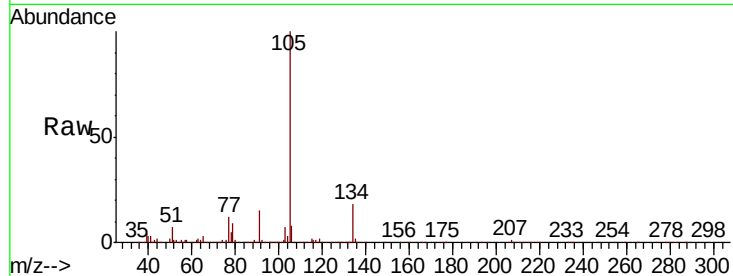




#85
 sec-Butylbenzene
 Concen: 11.277 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

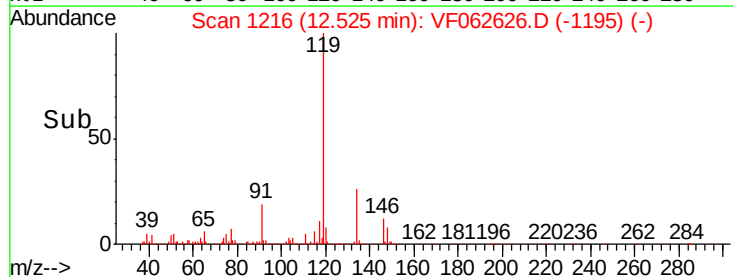
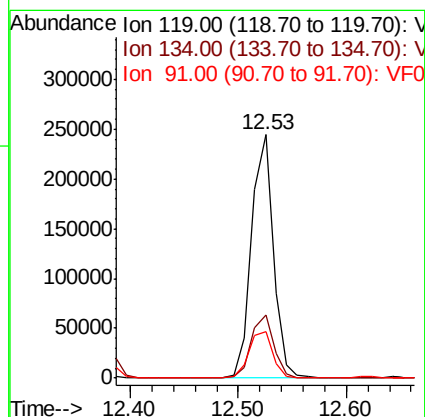
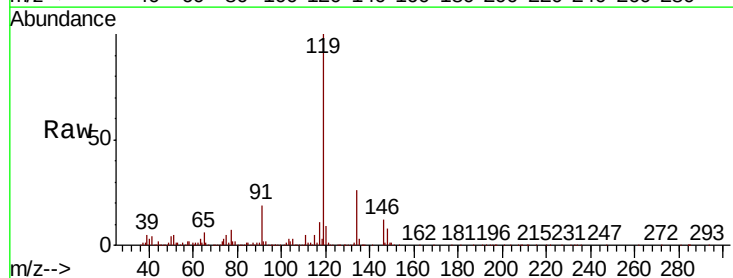
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

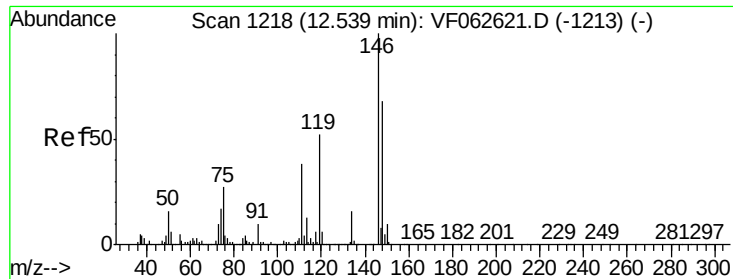
Tot Ion:105 Resp: 414723
 Ion Ratio Lower Upper
 105 100
 134 17.7 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 11.079 ug/l
 RT: 12.53 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion:119 Resp: 343382
 Ion Ratio Lower Upper
 119 100
 134 26.0 14.1 42.3
 91 19.1 11.4 34.2

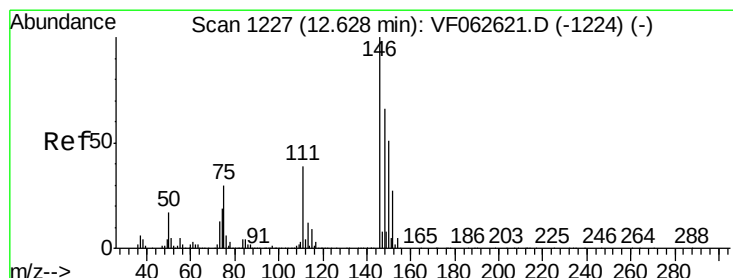
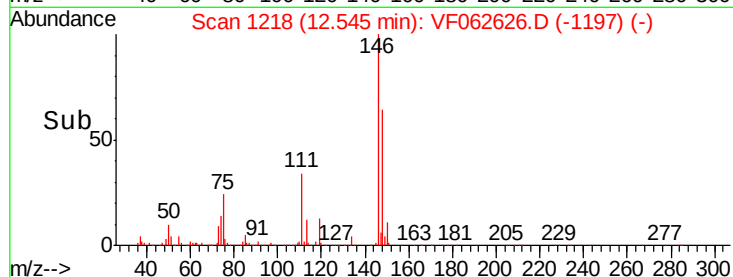
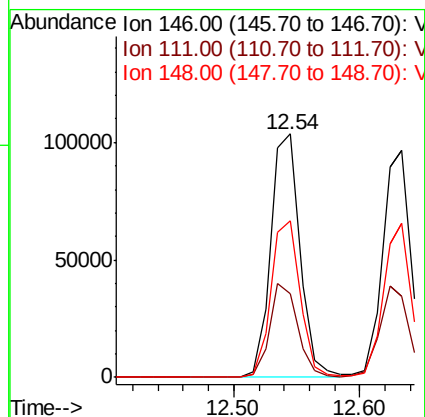
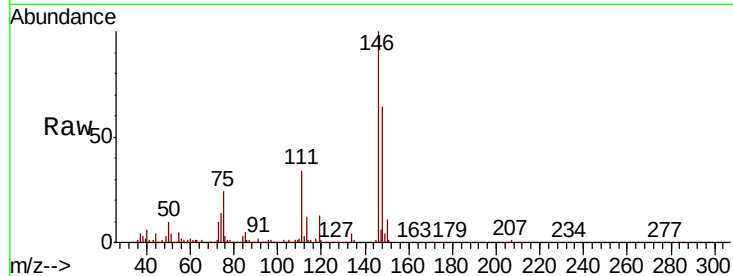




#87
 1,3-Dichlorobenzene
 Concen: 11.057 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

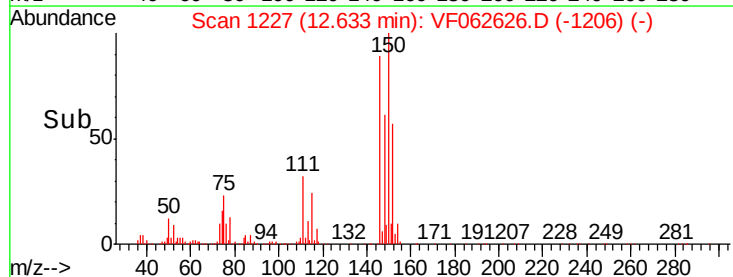
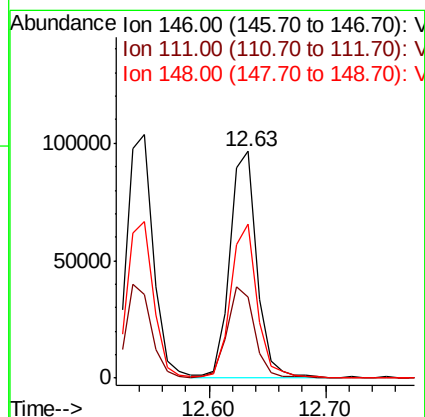
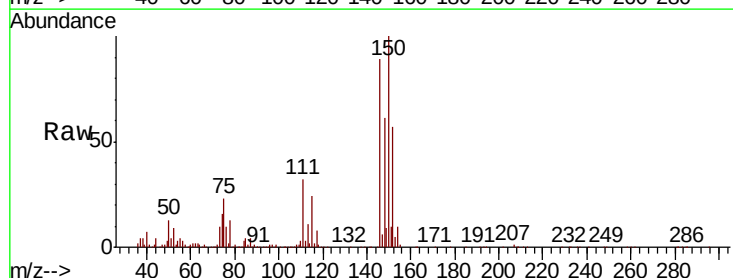
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

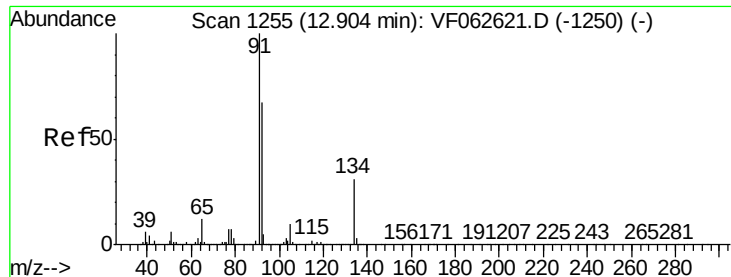
Tot Ion:146 Resp: 167494
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.9 56.9
 148 64.2 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 10.915 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion:146 Resp: 155165
 Ion Ratio Lower Upper
 146 100
 111 35.5 19.4 58.2
 148 68.2 33.2 99.6

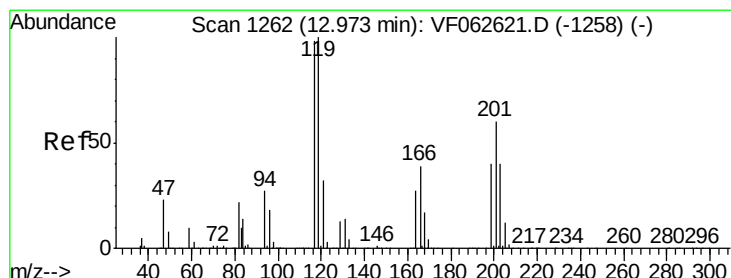
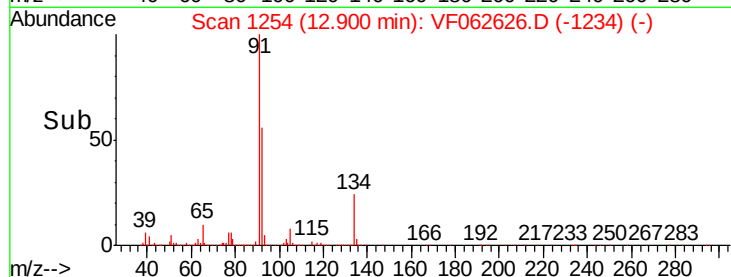
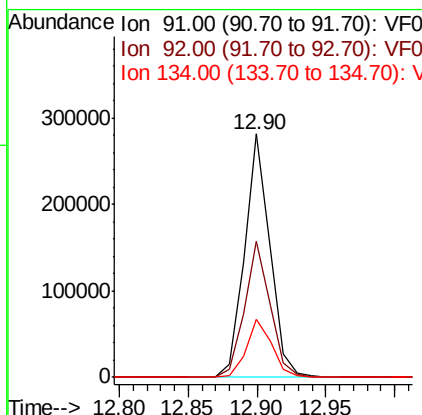
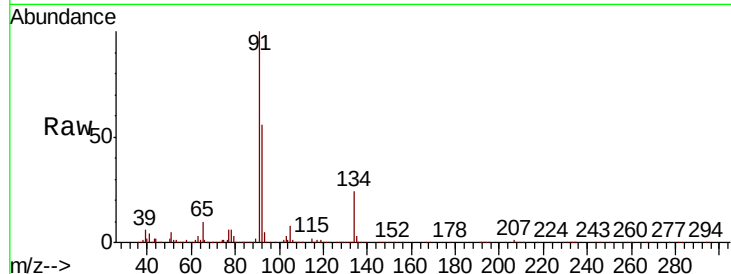




#89
n-Butylbenzene
Concen: 11.860 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

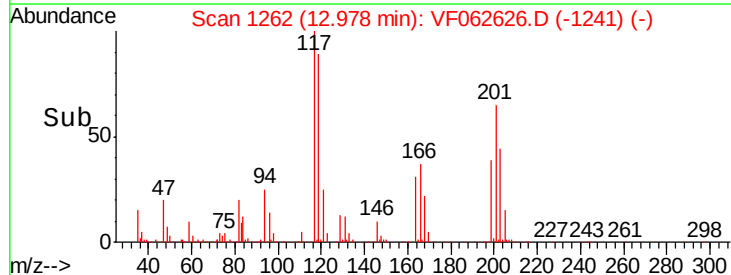
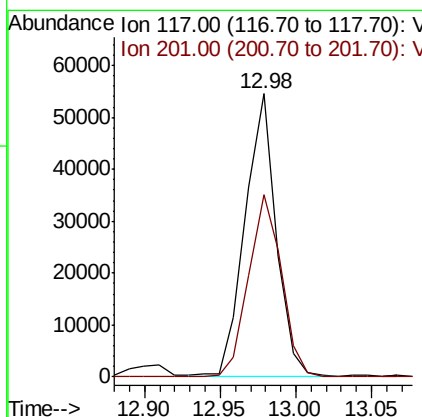
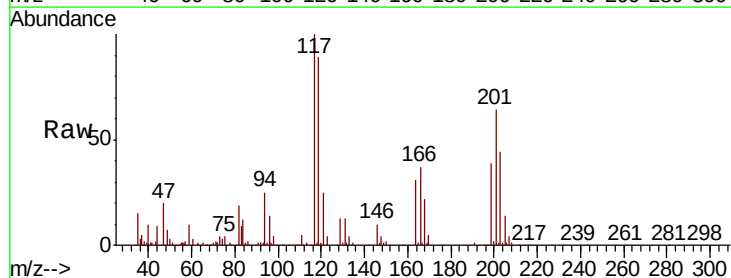
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

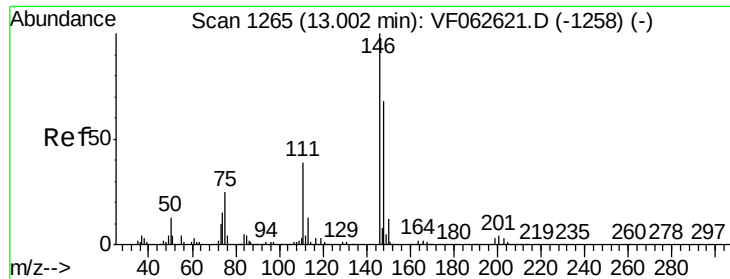
Tot Ion	Ratio	Lower	Upper
91	100		
92	56.1	33.3	99.8
134	23.7	15.4	46.4



#90
Hexachloroethane
Concen: 10.542 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 10.830 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

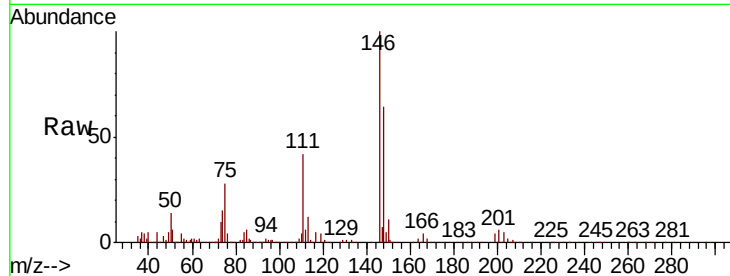
Tot Ion:146 Resp: 146246

Ion Ratio Lower Upper

146 100

111 41.5 19.8 59.3

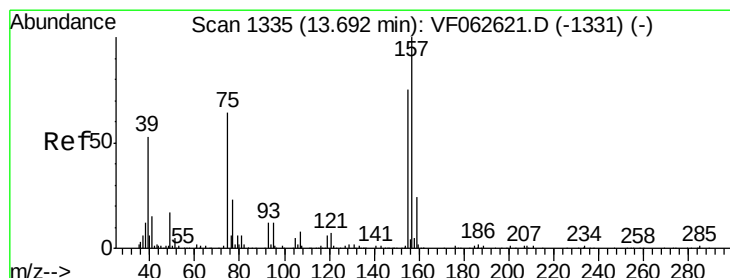
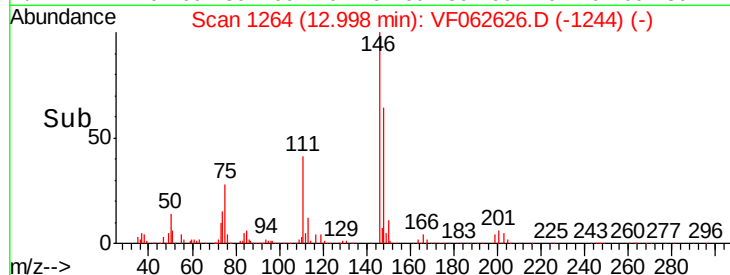
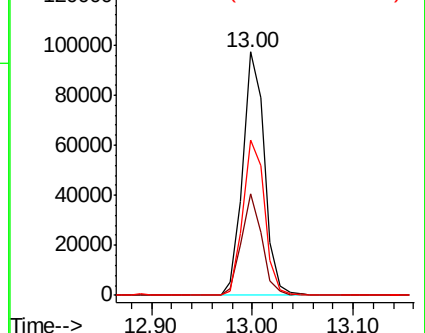
148 63.7 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.173 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

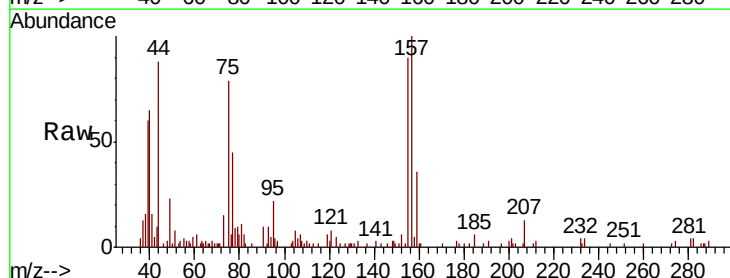
Tgt Ion: 75 Resp: 9176

Ion Ratio Lower Upper

75 100

155 113.9 58.1 174.3

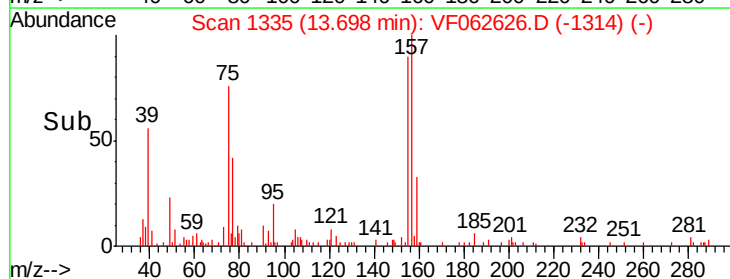
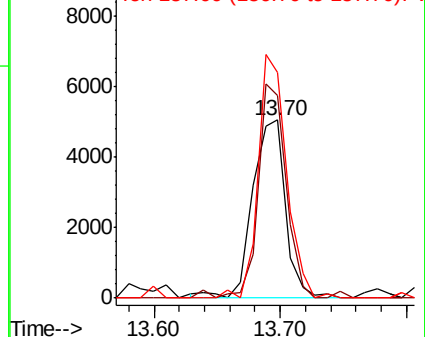
157 133.9 77.8 233.4

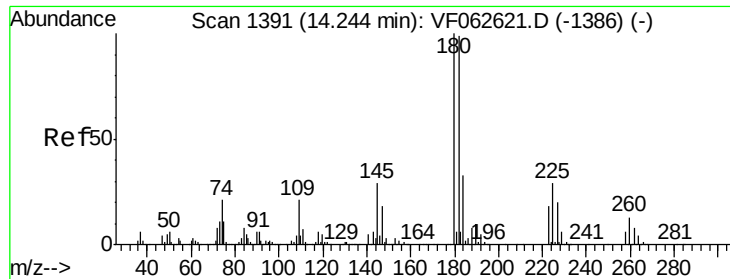


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

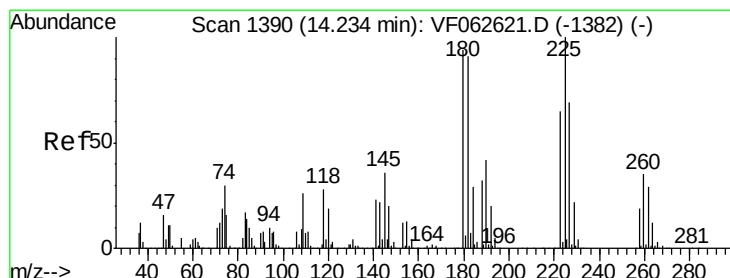
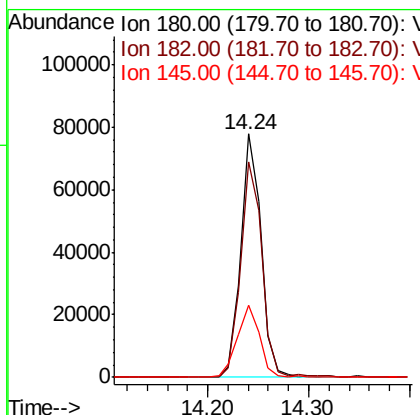
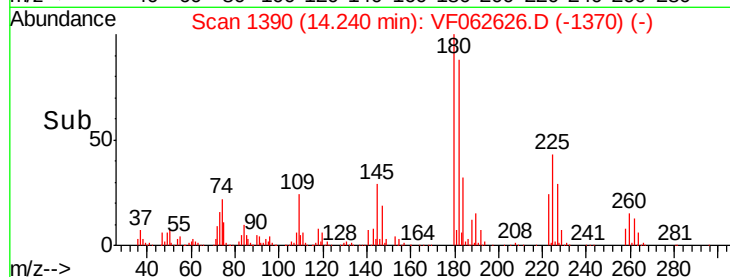
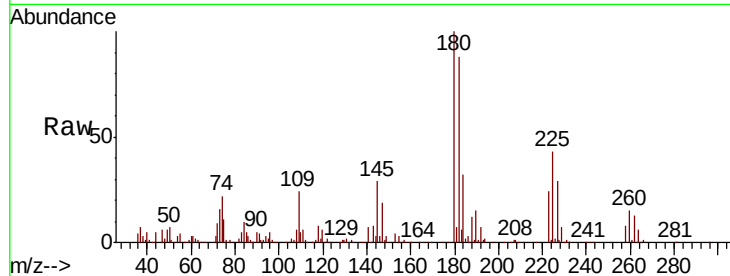




#93
 1,2,4-Trichlorobenzene
 Concen: 11.291 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

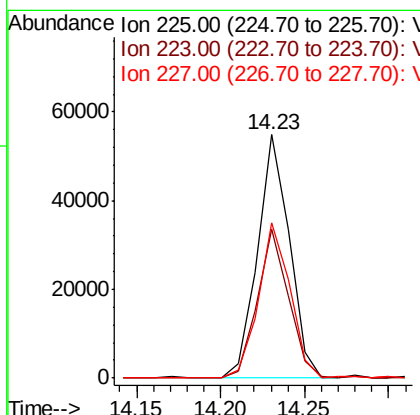
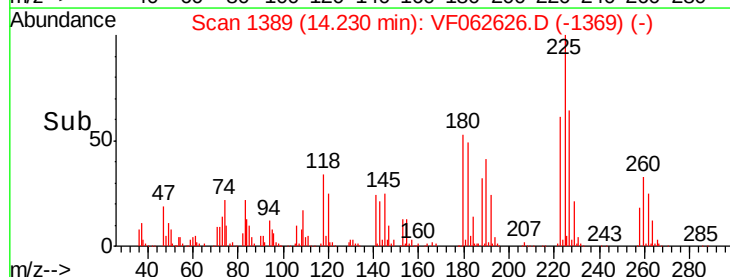
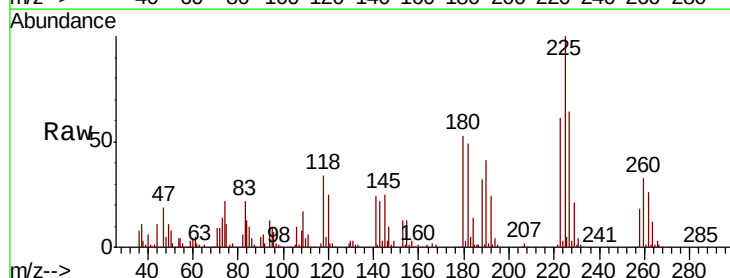
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

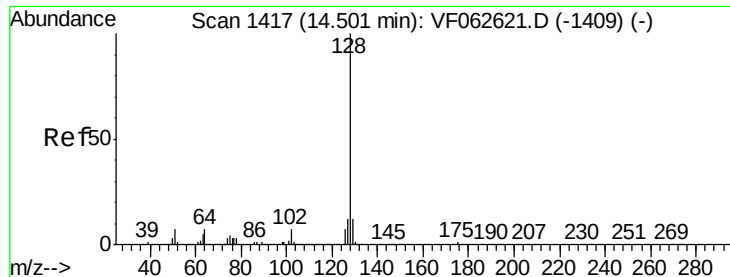
Tot Ion:180 Resp: 109132
 Ion Ratio Lower Upper
 180 100
 182 88.3 49.7 149.1
 145 29.5 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 10.658 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion:225 Resp: 71894
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.5 97.4
 227 64.0 34.5 103.5

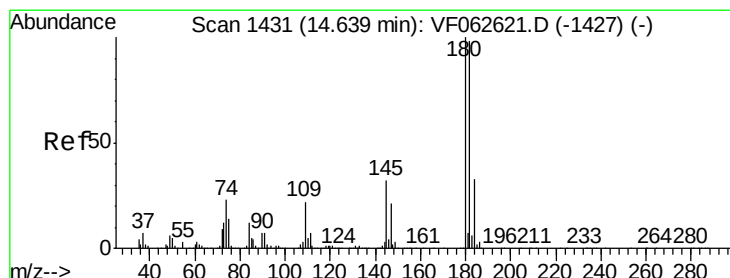
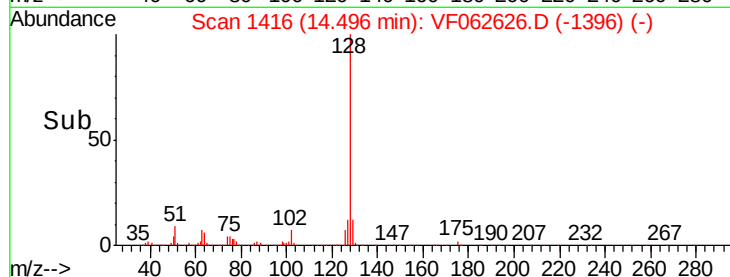
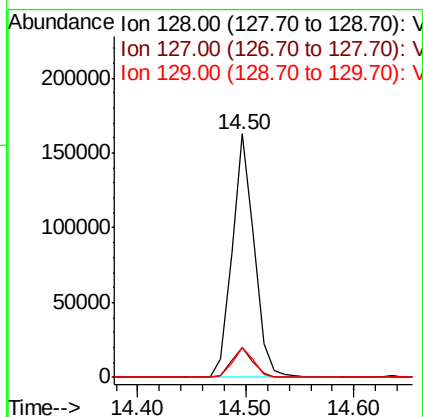
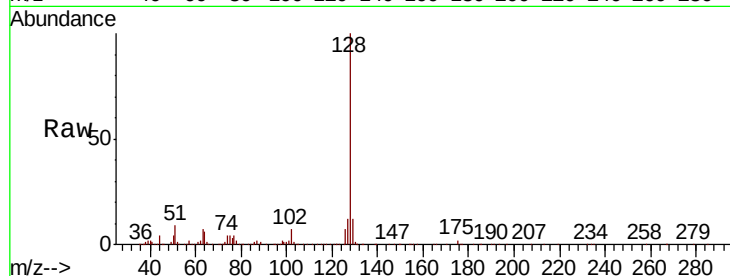




#95
Naphthalene
Concen: 13.125 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 230470
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 12.0 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 10.562 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion:180 Resp: 96699
Ion Ratio Lower Upper
180 100
182 97.6 48.9 146.7
145 28.2 16.1 48.2

