

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062374.D
 Acq On : 8 May 2019 13:48
 Operator : FY/SY
 Sample : VF0508SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBSD01

Quant Time: May 08 16:12:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	353390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	461512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	400650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	245440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	163217	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	4.30	113	191794	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	7.70	98	458134	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.48	95	207084	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	85389	20.878	ug/l	99
3) Chloromethane	1.15	50	54965	20.377	ug/l	98
4) Vinyl Chloride	1.19	62	53380	19.840	ug/l	96
5) Bromomethane	1.40	94	42241	19.264	ug/l	94
6) Chloroethane	1.43	64	26726	19.758	ug/l	100
7) Trichlorofluoromethane	1.55	101	112671	20.183	ug/l #	83
8) Diethyl Ether	1.70	74	16528	19.567	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	62070	19.476	ug/l	95
10) Methyl Iodide	1.97	142	109918	20.928	ug/l	98
11) Tert butyl alcohol	2.69	59	17684	93.690	ug/l	99
12) 1,1-Dichloroethene	1.86	96	52679	19.443	ug/l	90
13) Acrolein	2.10	56	14436	112.086	ug/l	100
14) Allyl chloride	2.20	41	83708	34.975	ug/l	98
15) Acrylonitrile	3.08	53	36709	102.671	ug/l	93
16) Acetone	2.34	43	62442	92.425	ug/l	97
17) Carbon Disulfide	1.91	76	117704	19.924	ug/l	99
18) Methyl Acetate	2.45	43	25215	18.492	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	108928	19.476	ug/l	99
20) Methylene Chloride	2.32	84	56311m	23.038	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	49946	19.348	ug/l	93
22) Diisopropyl ether	2.93	45	152504	20.388	ug/l	98
23) Vinyl Acetate	3.34	43	340344	102.086	ug/l	100
24) 1,1-Dichloroethane	3.00	63	94866	20.984	ug/l	99
25) 2-Butanone	4.51	43	86107	101.450	ug/l	96
26) 2,2-Dichloropropane	3.76	77	58026	22.983	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	65434	20.278	ug/l	98
28) Bromochloromethane	3.89	49	38386	18.722	ug/l #	97
29) Tetrahydrofuran	4.27	42	37371	95.801	ug/l	98
30) Chloroform	4.04	83	130052	21.293	ug/l	100
31) Cyclohexane	3.86	56	77880	21.582	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	117436	22.434	ug/l	97
36) 1,1-Dichloropropene	4.46	75	86146	21.729	ug/l	98
37) Ethyl Acetate	4.30	43	34745	19.267	ug/l #	97
38) Carbon Tetrachloride	4.17	117	95130m	21.552	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062374.D
 Acq On : 8 May 2019 13:48
 Operator : FY/SY
 Sample : VF0508SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBSD01

Quant Time: May 08 16:12:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	87352	21.969	ug/l	92
40) Benzene	4.82	78	194919	22.327	ug/l	93
41) Methacrylonitrile	4.93	41	19821	20.851	ug/l	97
42) 1,2-Dichloroethane	5.11	62	78249	21.431	ug/l	98
43) Isopropyl Acetate	7.10	43	37954	21.047	ug/l #	99
44) Trichloroethene	5.67	130	72570	22.629	ug/l	100
45) 1,2-Dichloropropane	6.39	63	43026	21.759	ug/l	100
46) Dibromomethane	6.25	93	36915	22.516	ug/l	94
47) Bromodichloromethane	6.54	83	86590	21.124	ug/l	92
48) Methyl methacrylate	6.87	41	27331	21.447	ug/l	97
49) 1,4-Dioxane	6.86	88	5530	414.274	ug/l	97
51) 4-Methyl-2-Pentanone	8.39	43	146907	107.512	ug/l	98
52) Toluene	7.76	92	119559	22.199	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	68677	22.152	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	82258	22.798	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	36534	21.369	ug/l	92
56) Ethyl methacrylate	8.74	69	39828	22.068	ug/l	98
57) 1,3-Dichloropropane	8.98	76	55928	21.656	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	57306	105.615	ug/l	99
59) 2-Hexanone	9.61	43	107356	113.602	ug/l	99
60) Dibromochloromethane	8.85	129	59910	21.425	ug/l	96
61) 1,2-Dibromoethane	9.12	107	41391	20.598	ug/l	98
64) Tetrachloroethene	8.29	164	67290	20.688	ug/l	97
65) Chlorobenzene	9.92	112	143917	21.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	69272	20.715	ug/l	97
67) Ethyl Benzene	10.02	91	246781	21.260	ug/l	96
68) m/p-Xylenes	10.25	106	191722	44.764	ug/l	98
69) o-Xylene	10.81	106	101758	21.987	ug/l	100
70) Styrene	10.88	104	155048	22.354	ug/l	99
71) Bromoform	10.87	173	35818	19.550	ug/l #	91
73) Isopropylbenzene	11.21	105	312417	21.471	ug/l	99
74) N-amyl acetate	11.44	43	72623	23.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	45369	19.914	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	35903	20.656	ug/l #	100
77) Bromobenzene	11.57	156	81414	21.319	ug/l	98
78) n-propylbenzene	11.66	91	344821	22.259	ug/l	99
79) 2-Chlorotoluene	11.79	91	210274	21.829	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	289811	22.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.92	75	13270m	20.310	ug/l	
82) 4-Chlorotoluene	11.96	91	209101	21.978	ug/l	99
83) tert-Butylbenzene	12.19	119	294916	22.003	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	269819	21.619	ug/l	99
85) sec-Butylbenzene	12.36	105	366580	22.470	ug/l	98
86) p-Isopropyltoluene	12.51	119	338624	22.340	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	156862	22.491	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	147444	21.904	ug/l	99
89) n-Butylbenzene	12.89	91	300141	22.257	ug/l	98
90) Hexachloroethane	12.96	117	78344	20.701	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	151569	22.453	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	10846	21.250	ug/l	91

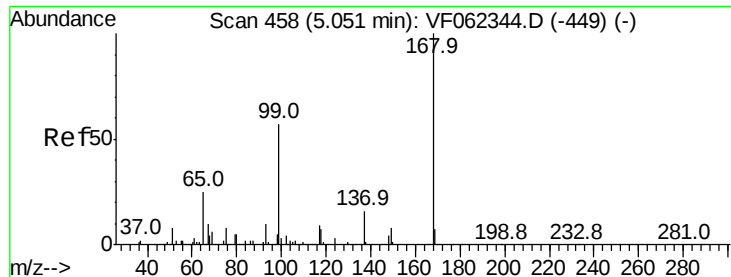
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050819\
Data File : VF062374.D
Acq On : 8 May 2019 13:48
Operator : FY/SY
Sample : VF0508SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

Quant Time: May 08 16:12:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	135865	22.439	ug/l	98
94) Hexachlorobutadiene	14.22	225	97934	21.701	ug/l	97
95) Naphthalene	14.49	128	193665	21.275	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	127521	21.739	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

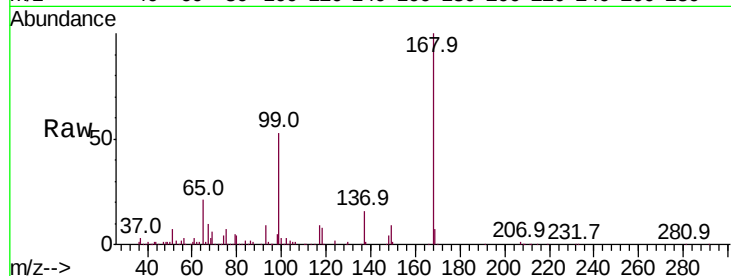
VF0508SBSD01

Tot Ion:168 Resp: 353390

Ion Ratio Lower Upper

168 100

99 53.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

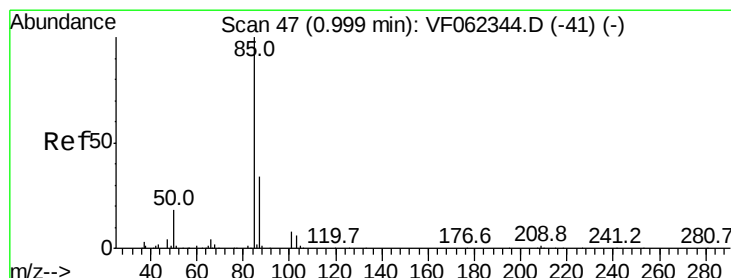
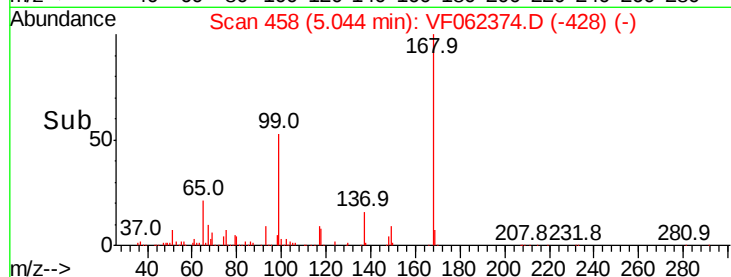
5.04

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.878 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062374.D

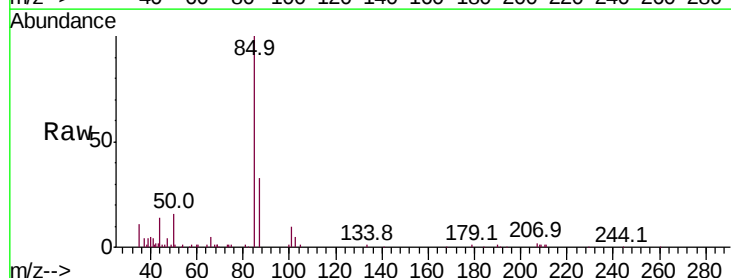
Acq: 8 May 2019 13:48

Tgt Ion: 85 Resp: 85389

Ion Ratio Lower Upper

85 100

87 33.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

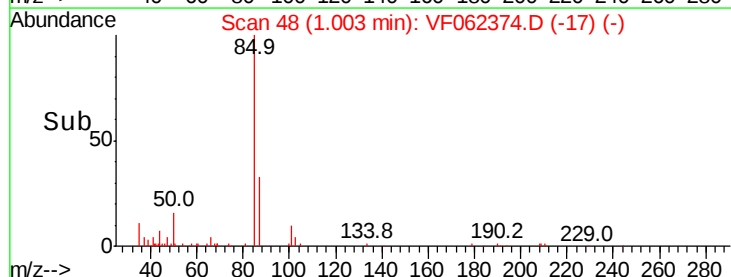
15000

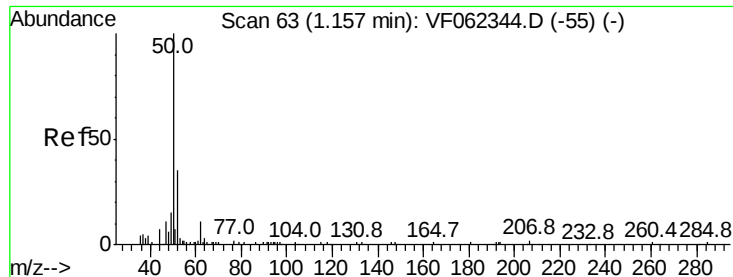
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.377 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

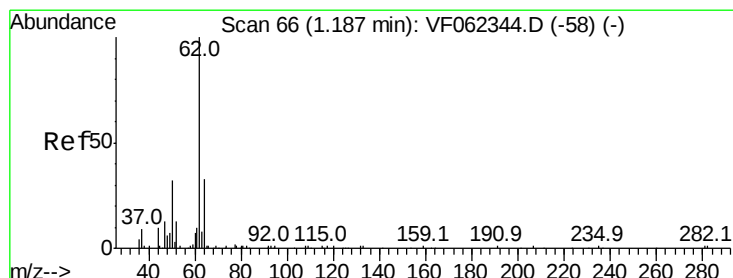
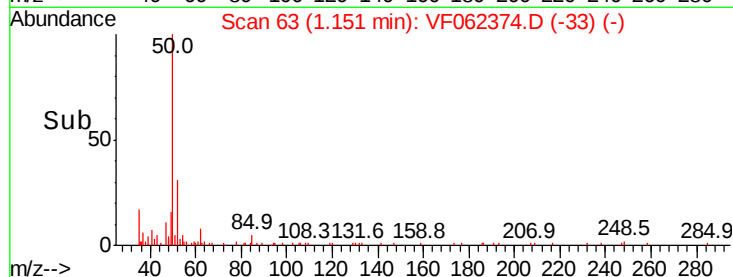
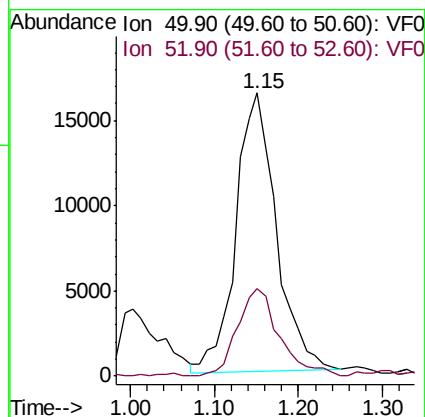
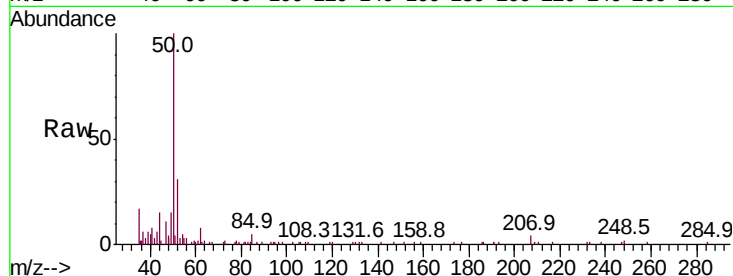
VF0508SBSD01

Tot Ion: 50 Resp: 54965

Ion Ratio Lower Upper

50 100

52 31.5 26.1 39.1



#4

Vinyl Chloride

Concen: 19.840 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062374.D

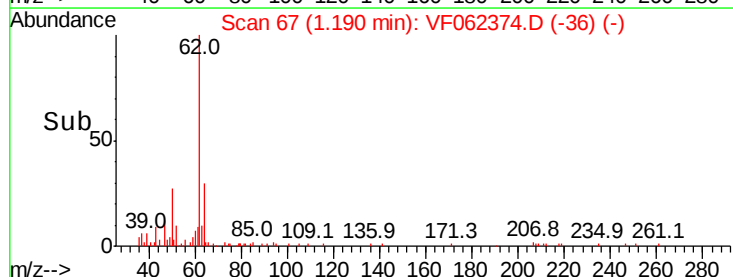
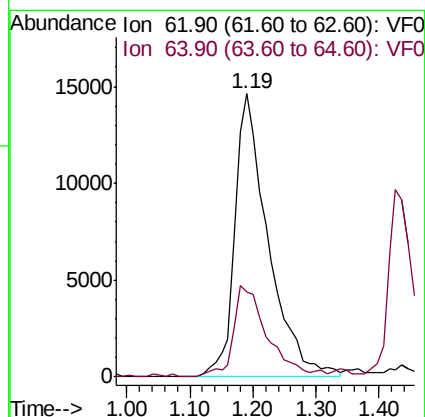
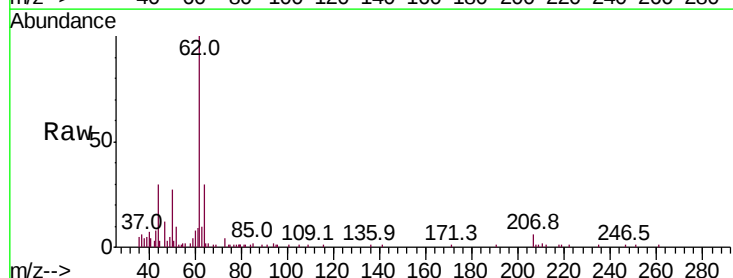
Acq: 8 May 2019 13:48

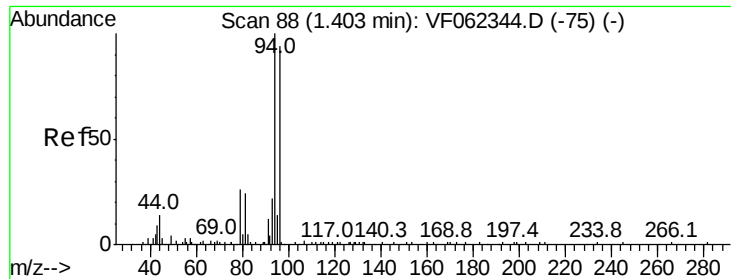
Tgt Ion: 62 Resp: 53380

Ion Ratio Lower Upper

62 100

64 30.2 26.1 39.1





#5

Bromomethane

Concen: 19.264 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

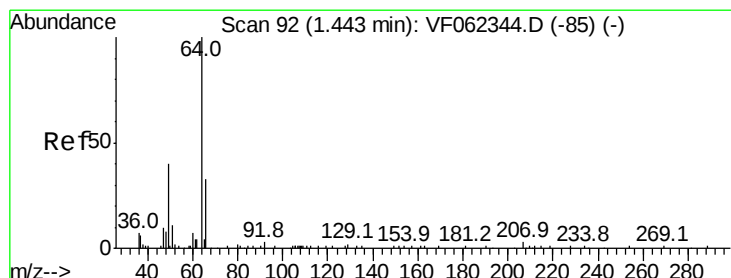
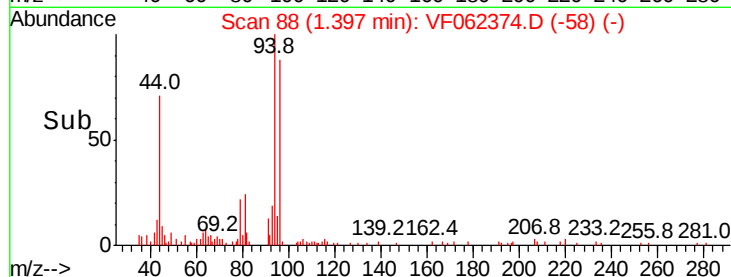
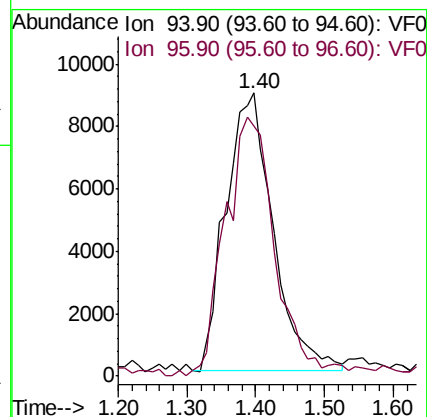
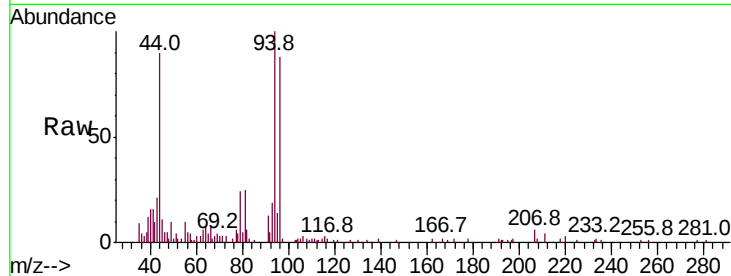
VF0508SBSD01

Tot Ion: 94 Resp: 42241

Ion Ratio Lower Upper

94 100

96 88.5 75.4 113.2



#6

Chloroethane

Concen: 19.758 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062374.D

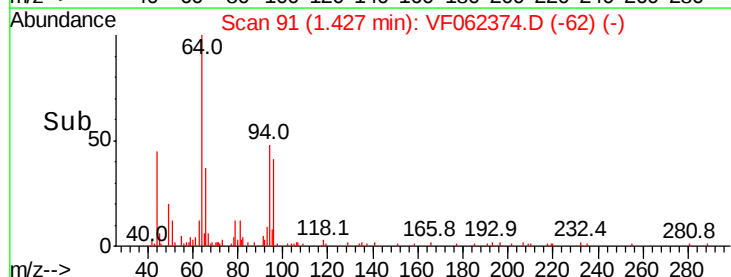
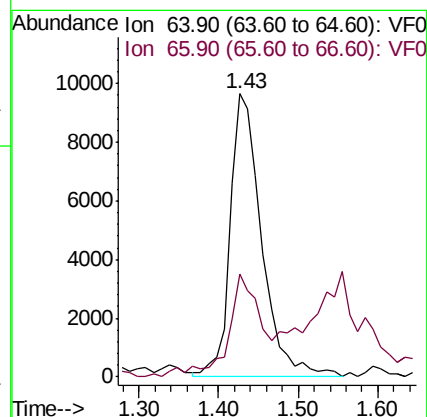
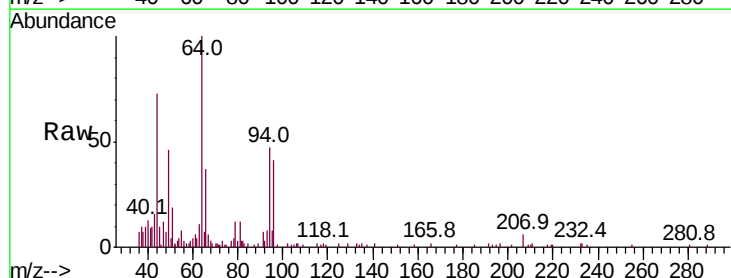
Acq: 8 May 2019 13:48

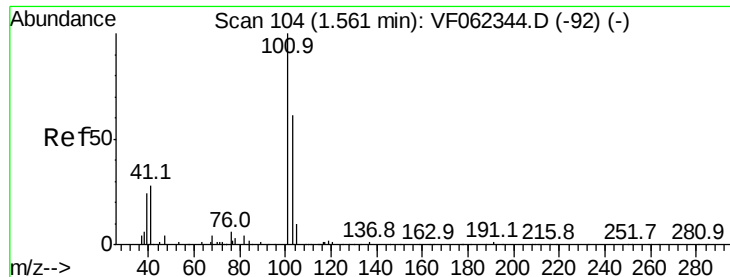
Tgt Ion: 64 Resp: 26726

Ion Ratio Lower Upper

64 100

66 33.0 26.6 39.8





#7

Trichlorofluoromethane

Concen: 20.183 ug/l

RT: 1.55 min Scan# 104

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

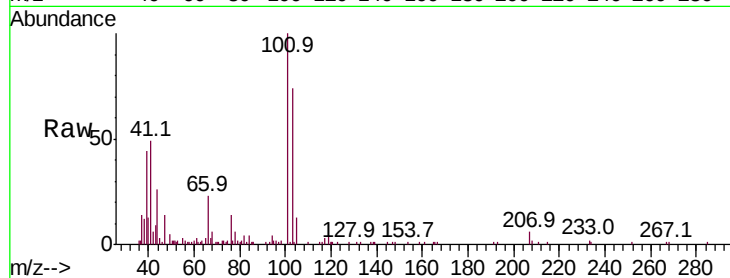
VF0508SBSD01

Tot Ion:101 Resp: 112671

Ion Ratio Lower Upper

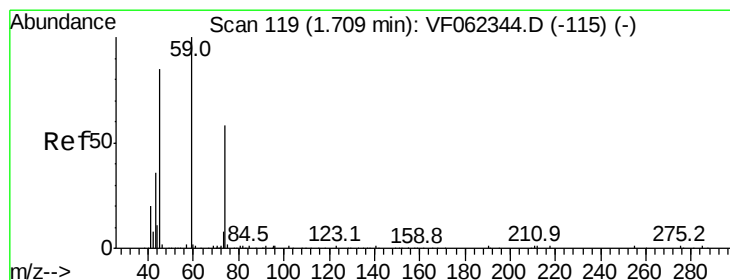
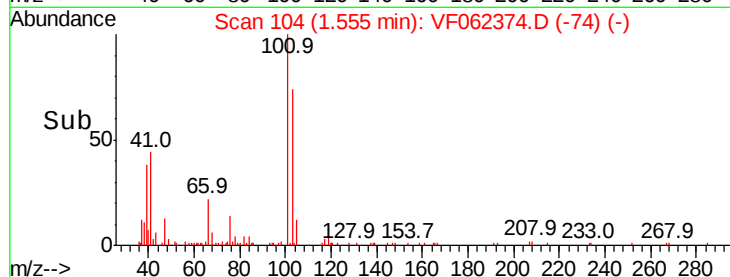
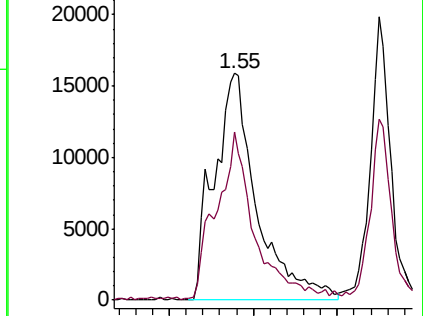
101 100

103 73.6 48.5 72.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.567 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062374.D

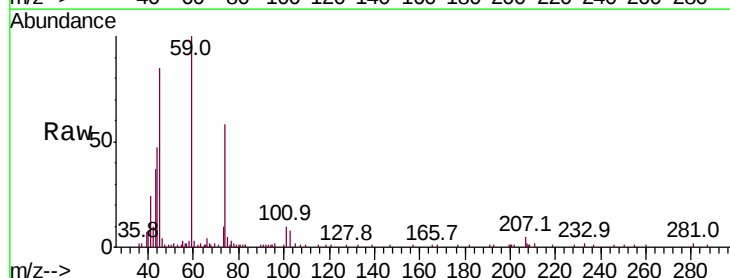
Acq: 8 May 2019 13:48

Tgt Ion: 74 Resp: 16528

Ion Ratio Lower Upper

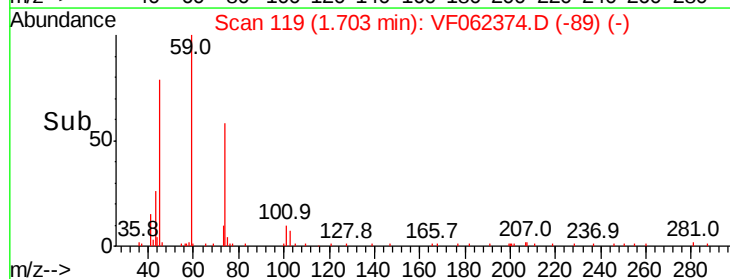
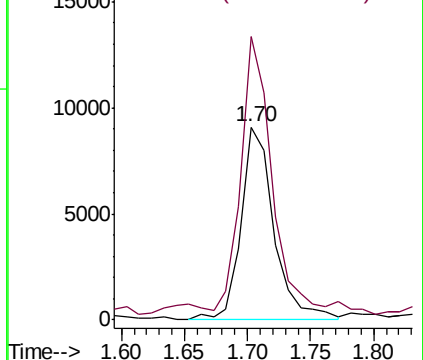
74 100

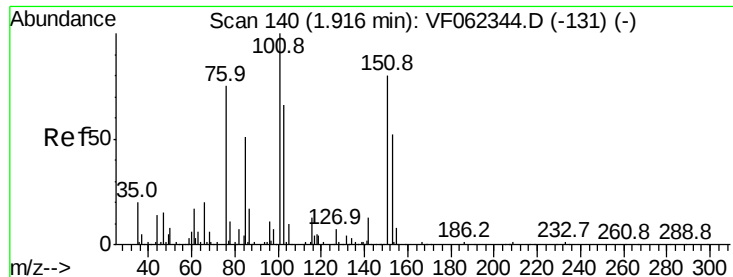
45 139.2 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.476 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

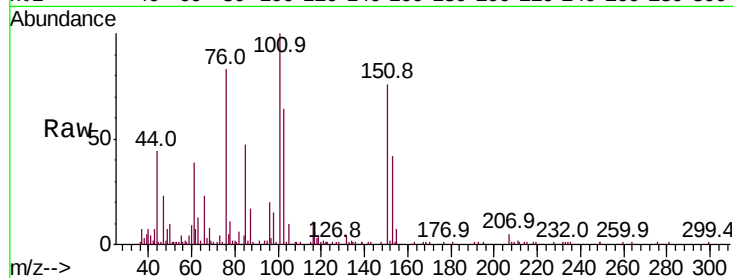
Tot Ion:101 Resp: 62070

Ion Ratio Lower Upper

101 100

85 51.5 39.5 59.3

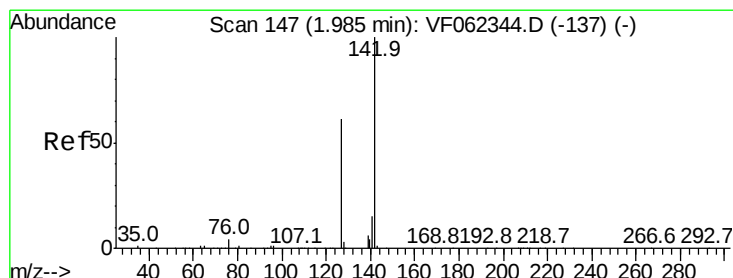
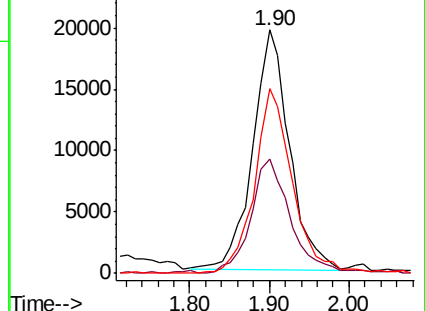
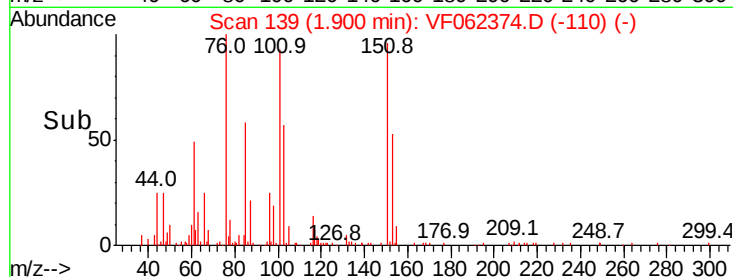
151 79.6 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.928 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

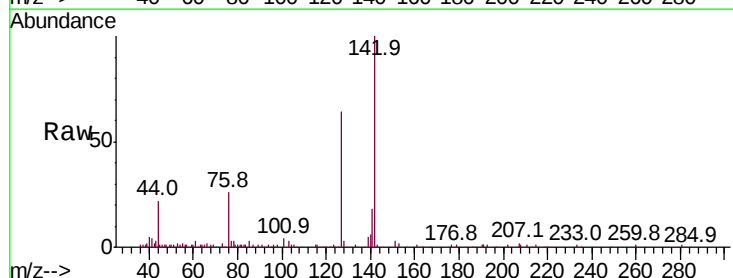
Tgt Ion:142 Resp: 109918

Ion Ratio Lower Upper

142 100

127 61.2 48.4 72.6

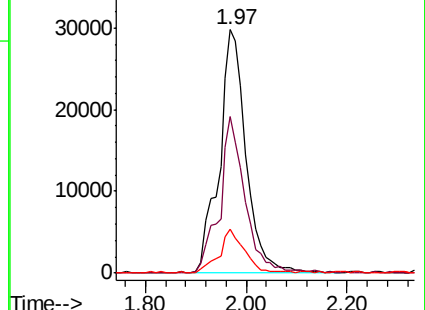
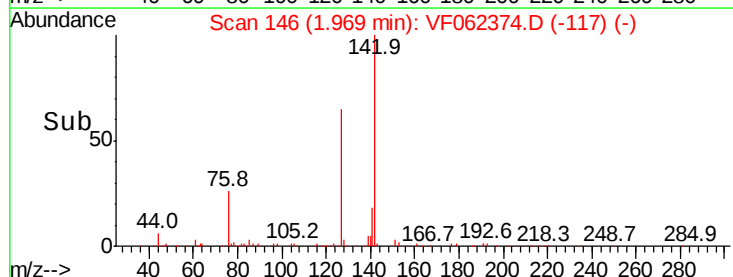
141 17.2 12.2 18.4

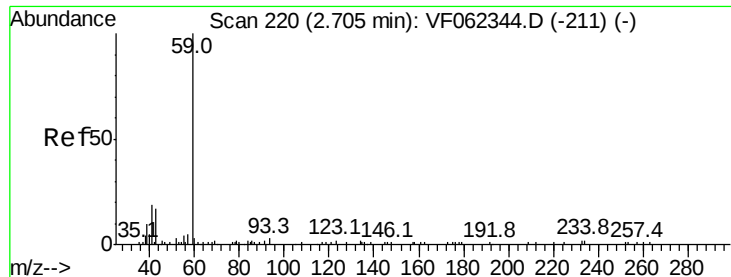


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

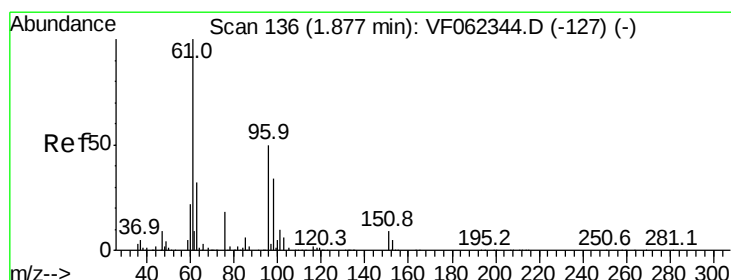
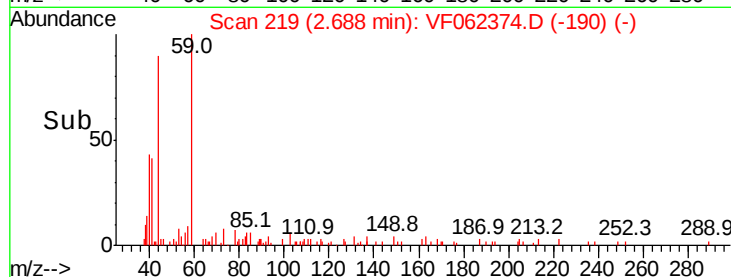
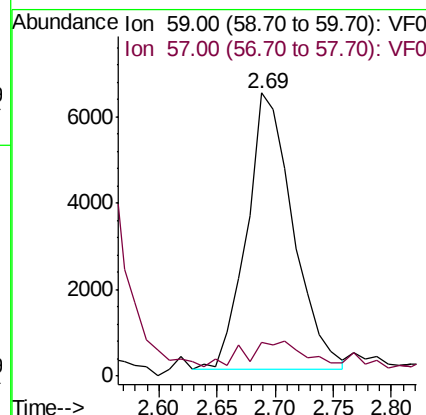
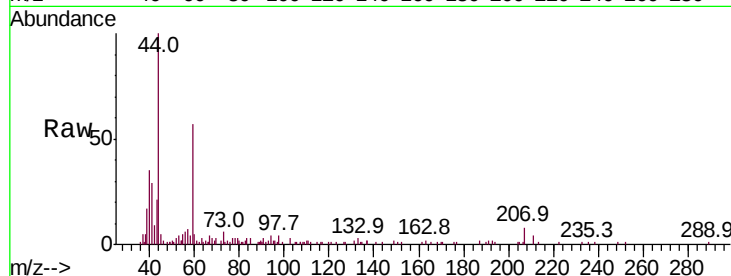




#11
Tert butyl alcohol
Concen: 93.690 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

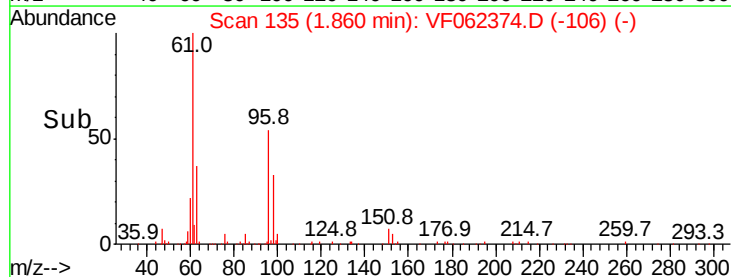
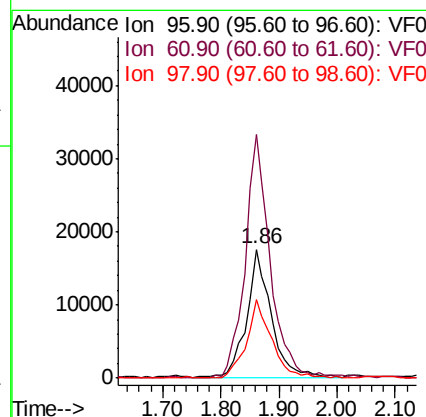
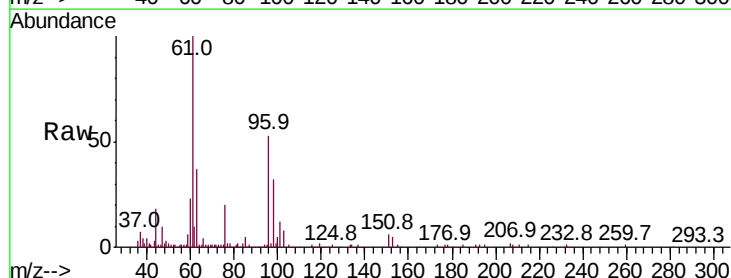
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

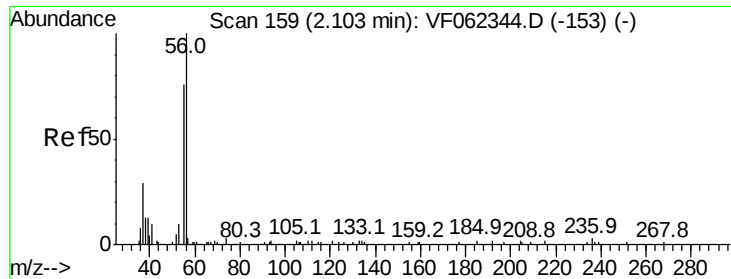
Tot Ion: 59 Resp: 17684
Ion Ratio Lower Upper
59 100
57 11.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 19.443 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion: 96 Resp: 52679
Ion Ratio Lower Upper
96 100
61 189.2 163.2 244.8
98 60.4 55.2 82.8

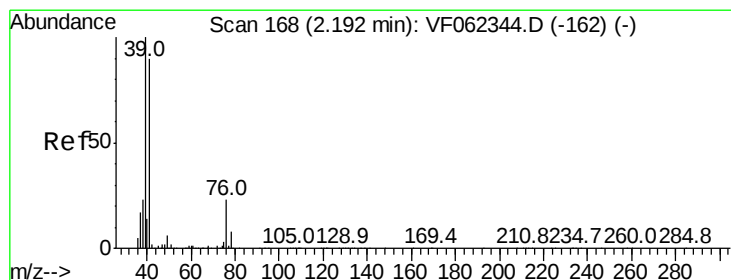
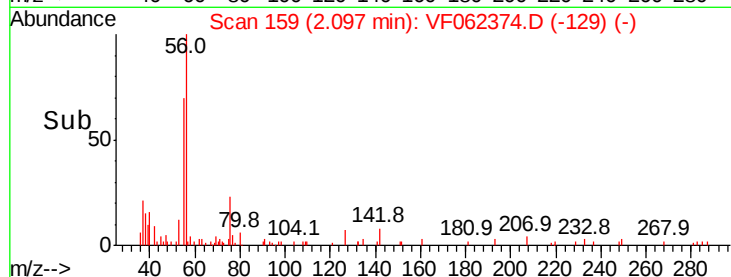
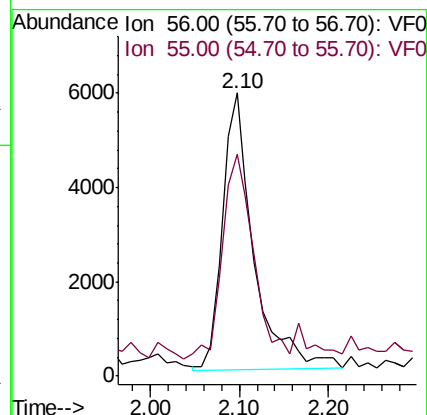
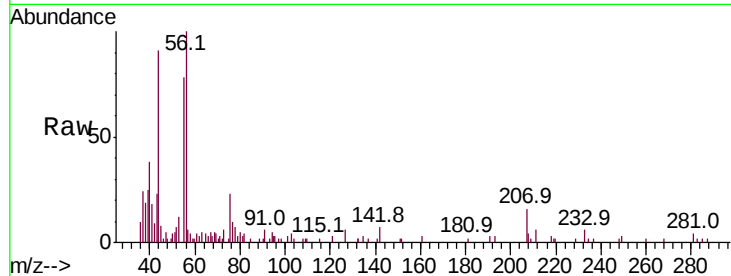




#13
Acrolein
Concen: 112.086 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

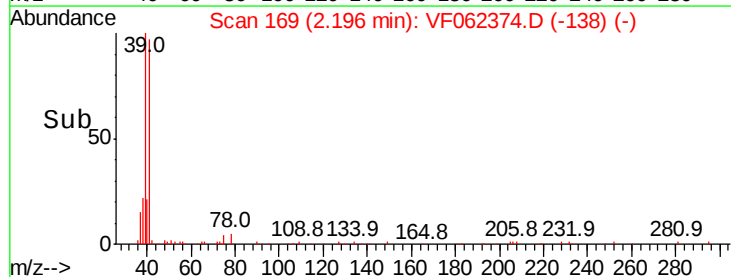
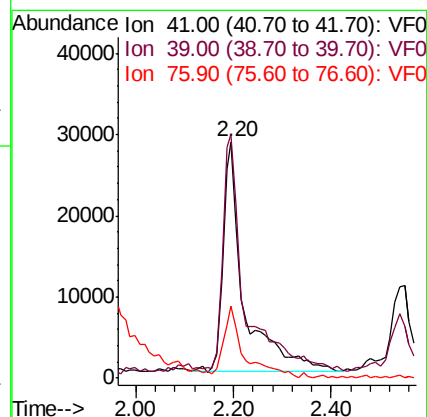
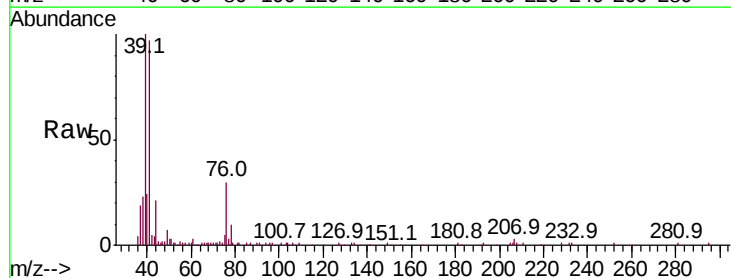
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

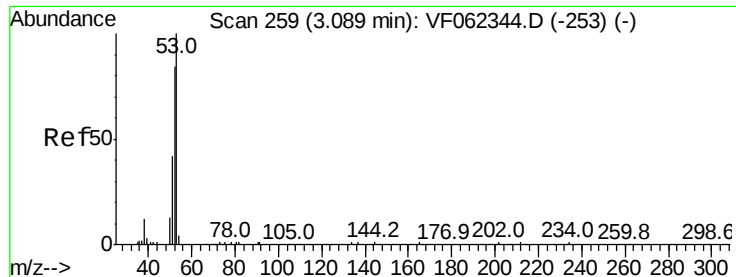
Tot Ion: 56 Resp: 14436
Ion Ratio Lower Upper
56 100
55 72.8 58.4 87.6



#14
Allyl chloride
Concen: 34.975 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion: 41 Resp: 83708
Ion Ratio Lower Upper
41 100
39 112.2 90.8 136.2
76 29.9 22.2 33.4





#15

Acrylonitrile

Concen: 102.671 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

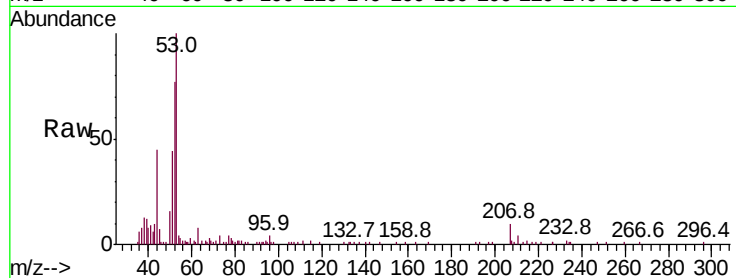
Tot Ion: 53 Resp: 36709

Ion Ratio Lower Upper

53 100

52 87.4 77.2 115.8

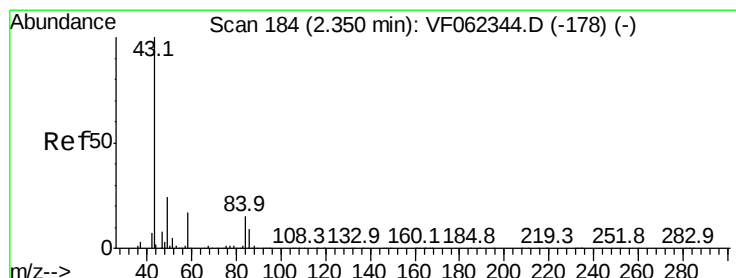
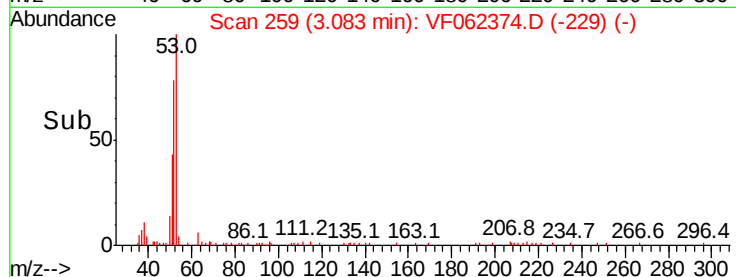
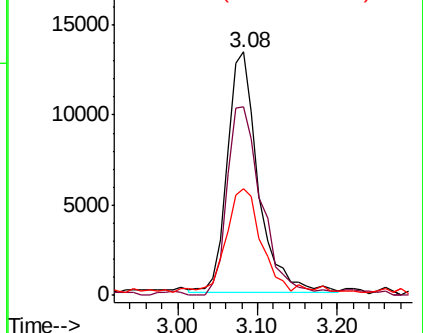
51 48.4 40.6 61.0



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 92.425 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062374.D

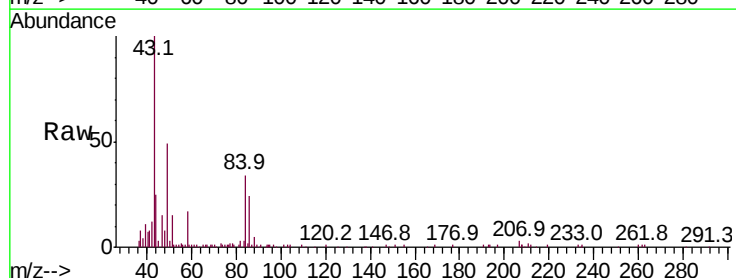
Acq: 8 May 2019 13:48

Tgt Ion: 43 Resp: 62442

Ion Ratio Lower Upper

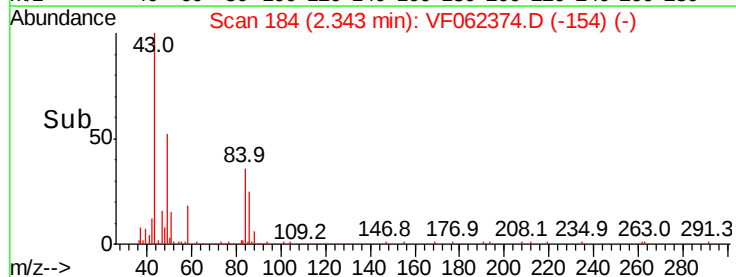
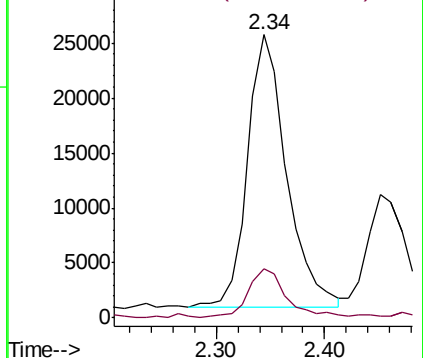
43 100

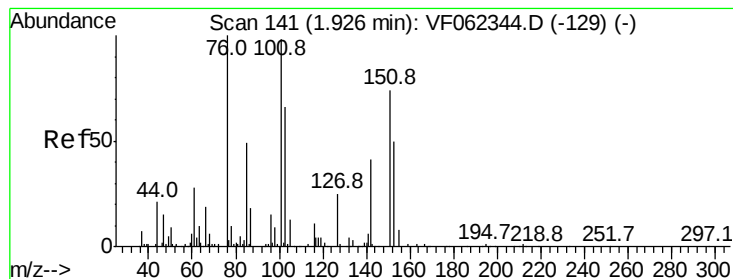
58 17.5 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 19.924 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

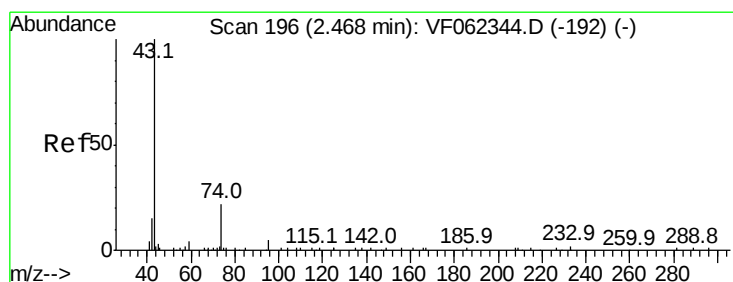
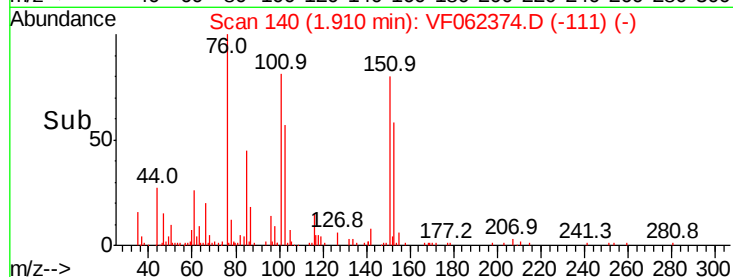
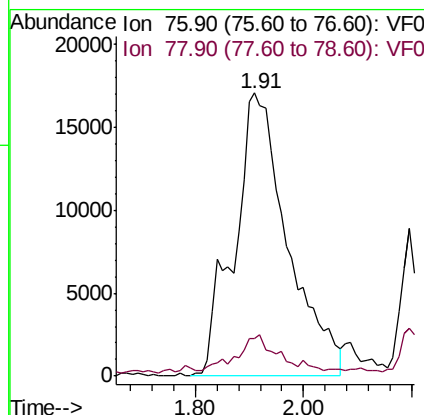
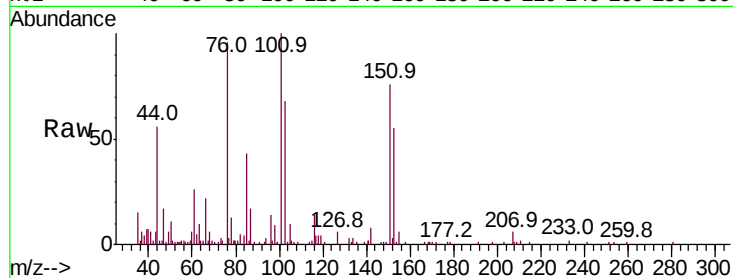
VF0508SBSD01

Tot Ion: 76 Resp: 117704

Ion Ratio Lower Upper

76 100

78 10.7 9.0 13.4



#18

Methyl Acetate

Concen: 18.492 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062374.D

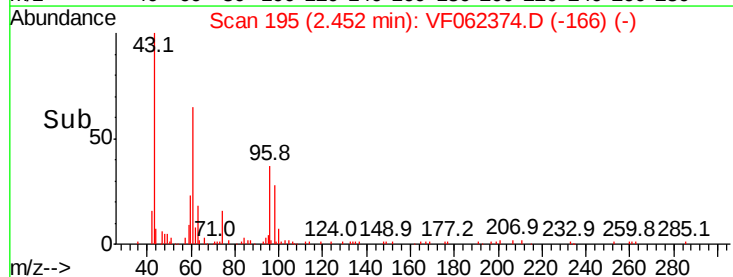
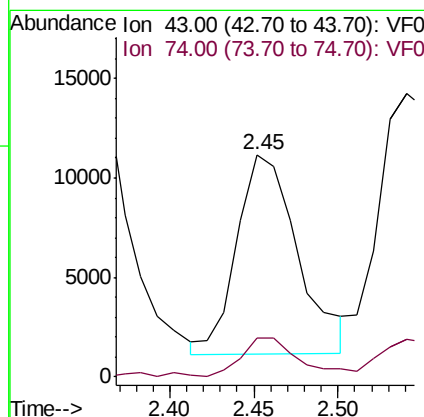
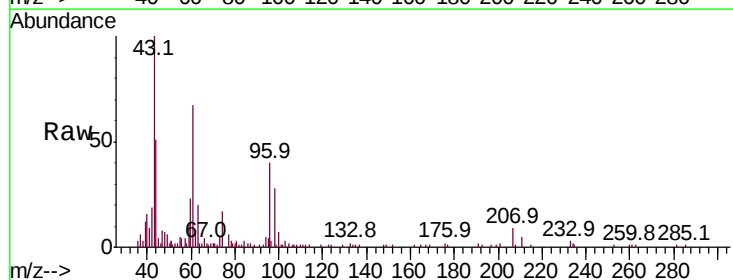
Acq: 8 May 2019 13:48

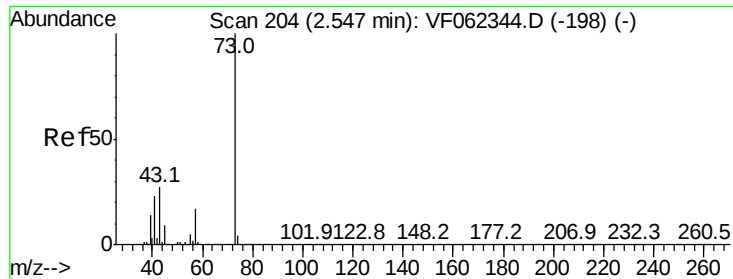
Tgt Ion: 43 Resp: 25215

Ion Ratio Lower Upper

43 100

74 18.6 15.0 22.4





#19

Methyl tert-butyl Ether

Concen: 19.476 ug/l

RT: 2.54 min Scan# 204

Delta R.T. -0.01 min

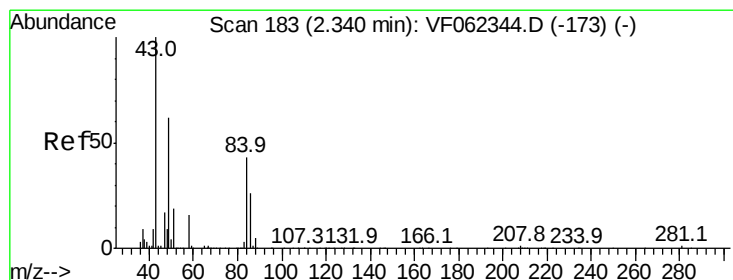
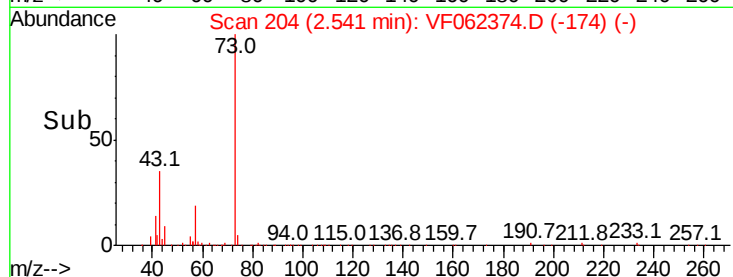
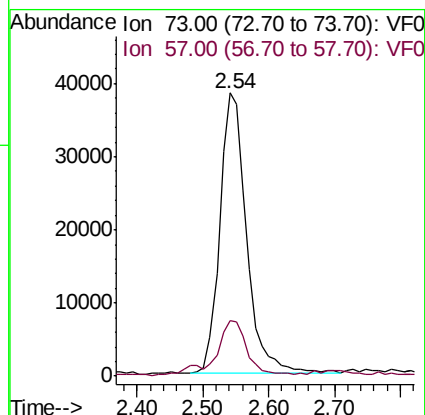
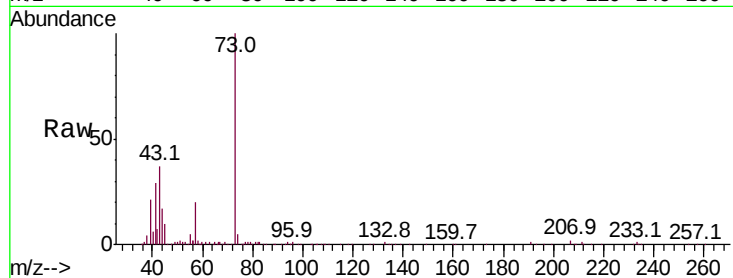
Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion: 73 Resp: 108928

Ion	Ratio	Lower	Upper
73	100		
57	17.7	13.7	20.5



#20

Methylene Chloride

Concen: 23.038 ug/l m

RT: 2.32 min Scan# 182

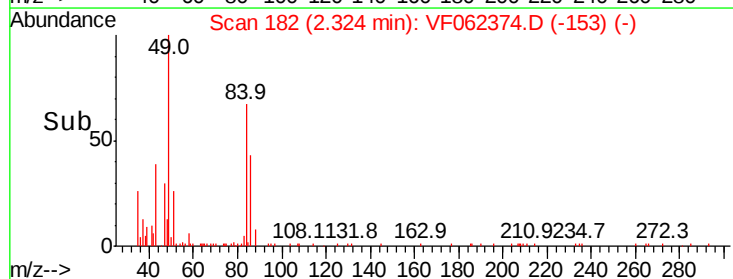
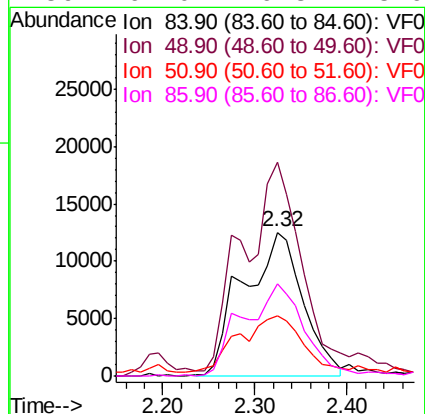
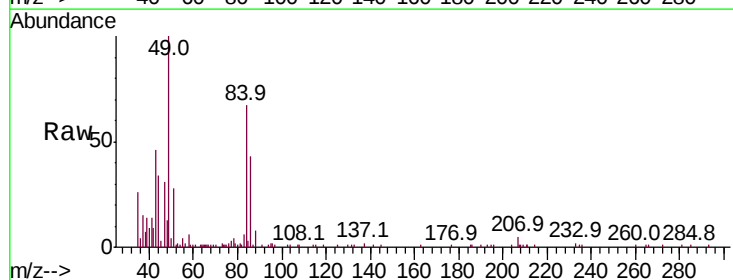
Delta R.T. -0.02 min

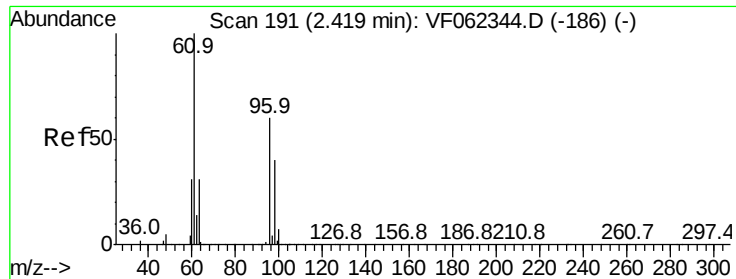
Lab File: VF062374.D

Acq: 8 May 2019 13:48

Tgt Ion: 84 Resp: 56311

Ion	Ratio	Lower	Upper
84	100		
49	148.8	117.5	176.3
51	42.3	37.0	55.4
86	64.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 19.348 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

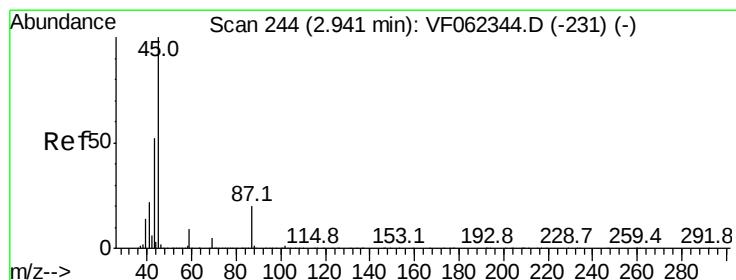
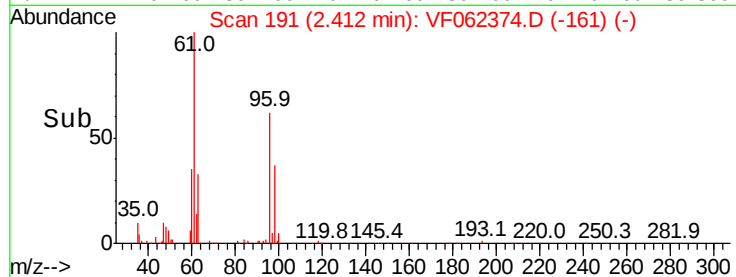
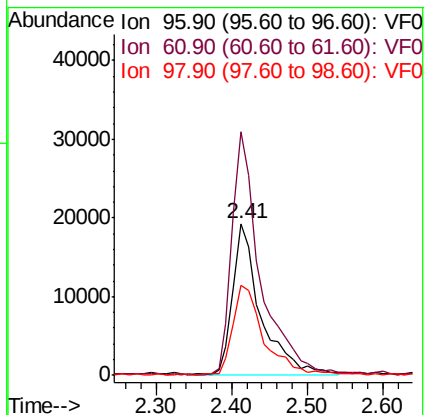
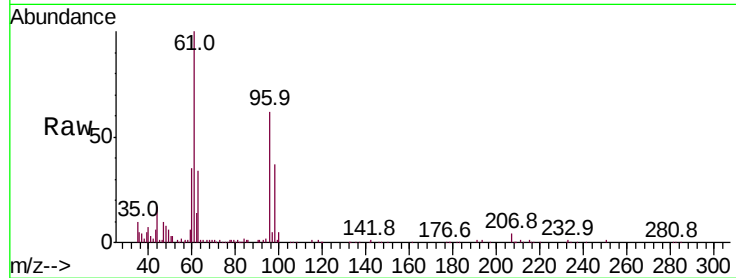
Tot Ion: 96 Resp: 49946

Ion Ratio Lower Upper

96 100

61 159.1 133.2 199.8

98 58.9 53.1 79.7



#22

Diisopropyl ether

Concen: 20.388 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Tgt Ion: 45 Resp: 152504

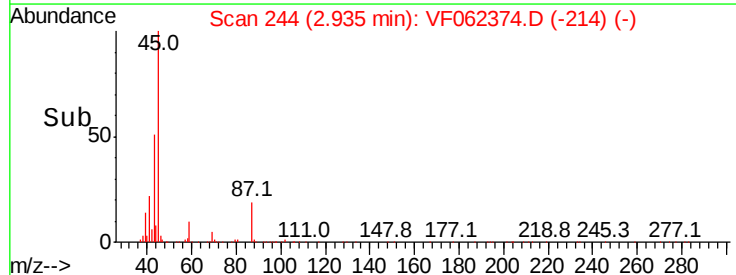
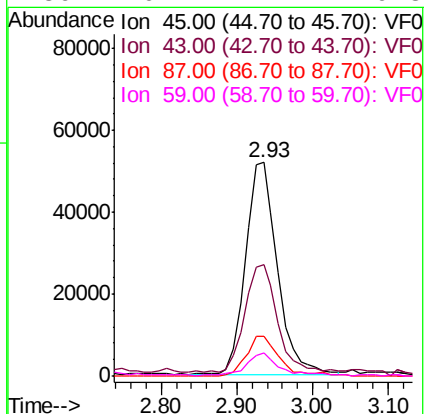
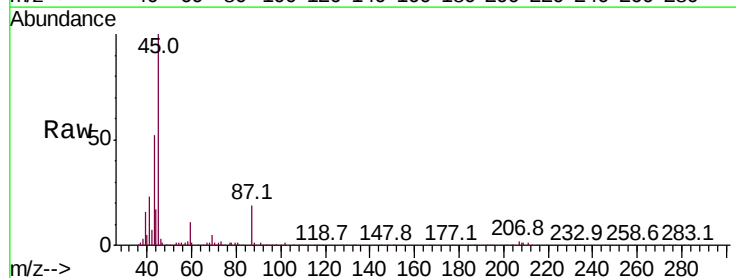
Ion Ratio Lower Upper

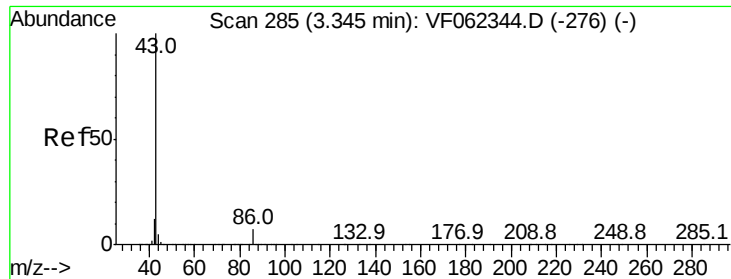
45 100

43 50.7 41.4 62.0

87 18.7 15.8 23.6

59 10.4 7.2 10.8

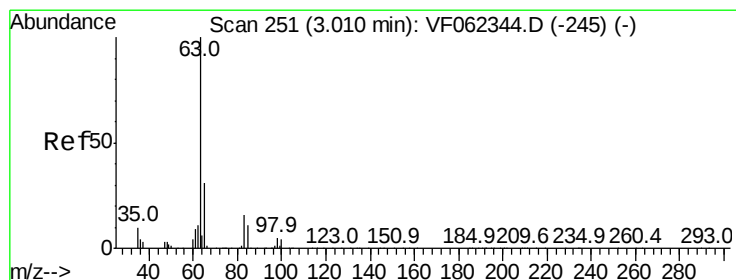
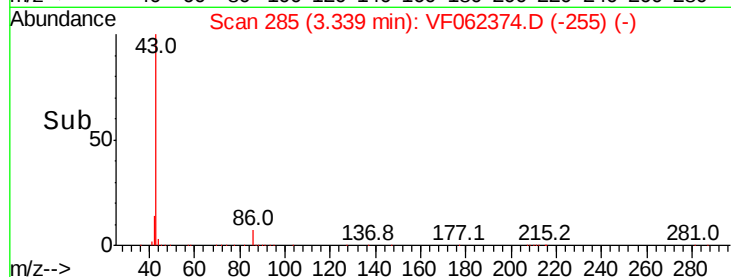
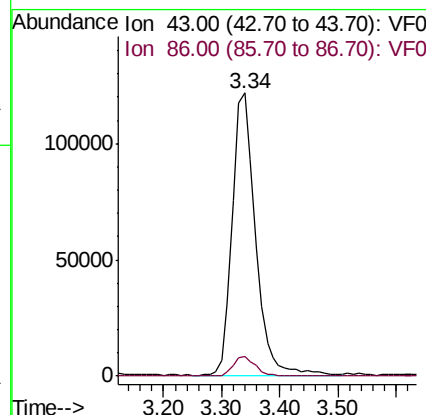
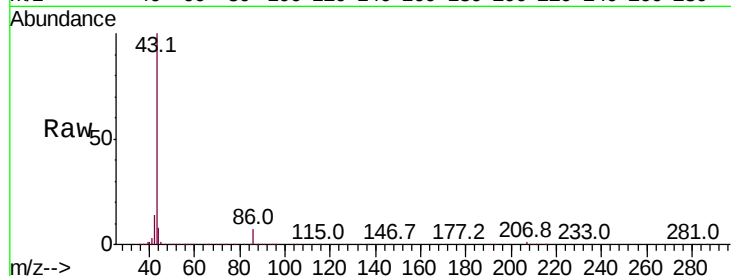




#23
 Vinyl Acetate
 Concen: 102.086 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

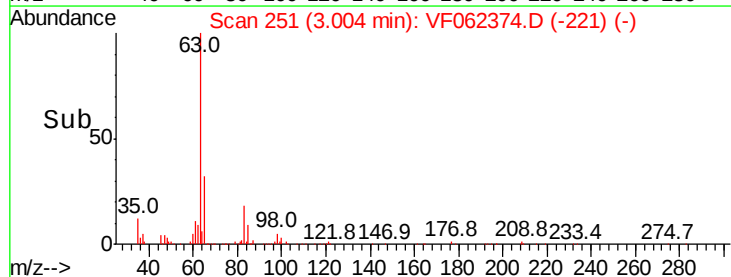
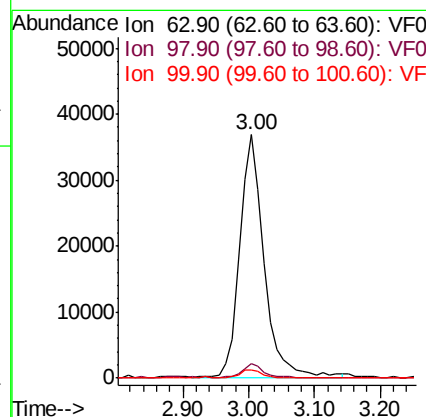
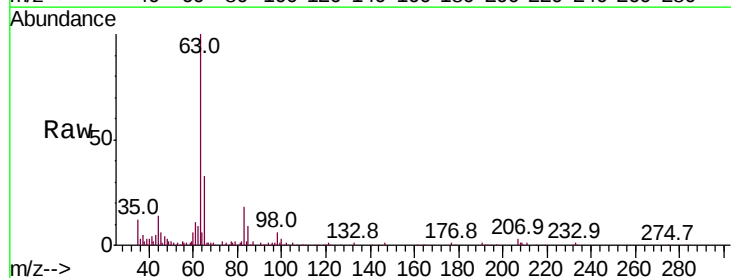
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBSD01

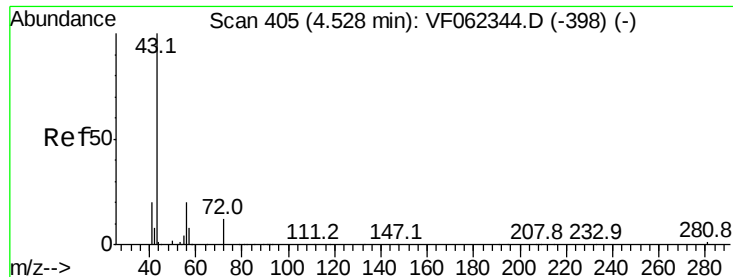
Tot Ion: 43 Resp: 340344
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 20.984 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

Tgt Ion: 63 Resp: 94866
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.6 8.0
 100 3.1 1.8 5.4





#25

2-Butanone

Concen: 101.450 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

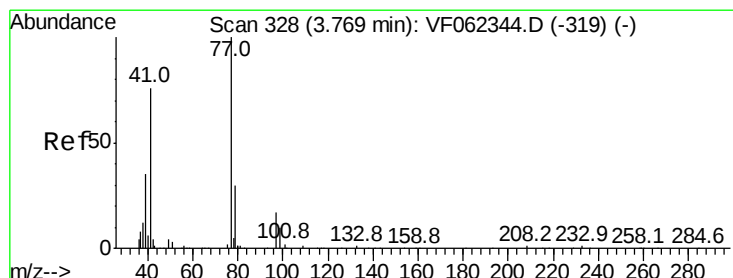
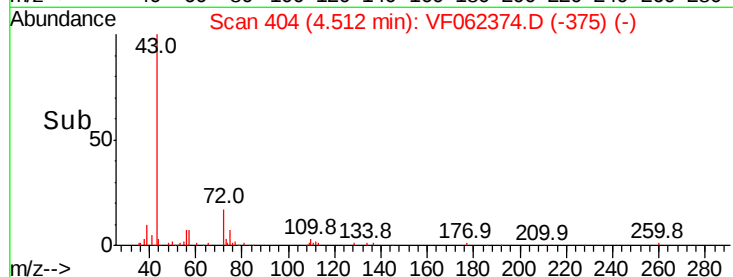
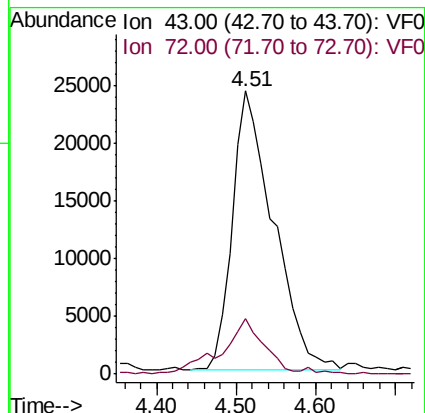
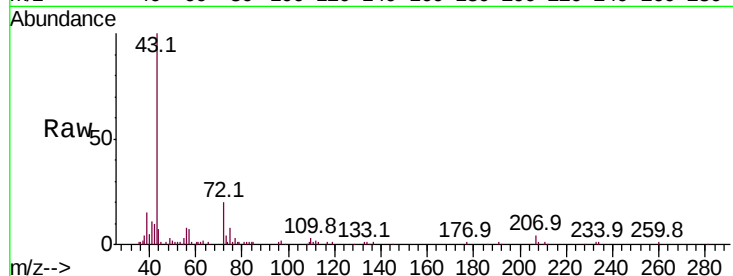
VF0508SBSD01

Tot Ion: 43 Resp: 86107

Ion Ratio Lower Upper

43 100

72 19.6 14.2 21.4



#26

2,2-Dichloropropane

Concen: 22.983 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062374.D

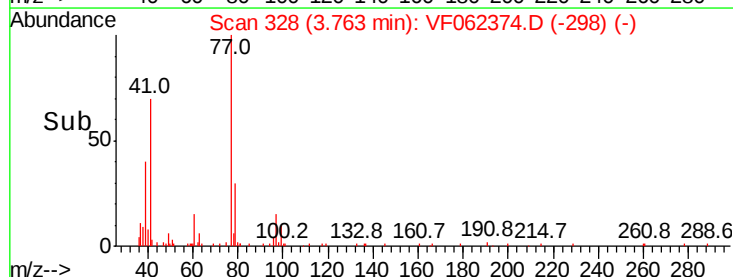
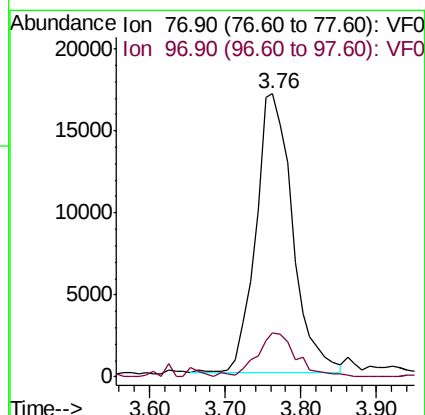
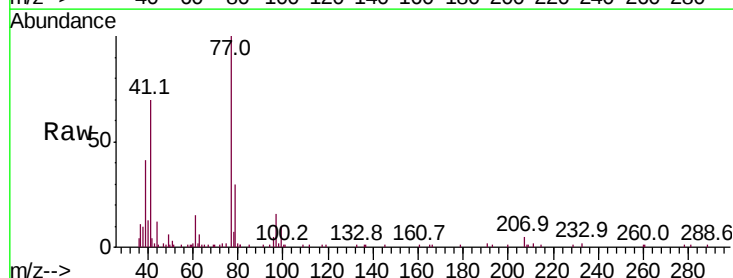
Acq: 8 May 2019 13:48

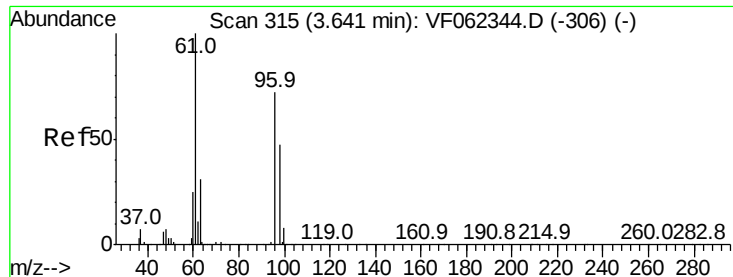
Tgt Ion: 77 Resp: 58026

Ion Ratio Lower Upper

77 100

97 17.0 9.5 28.5



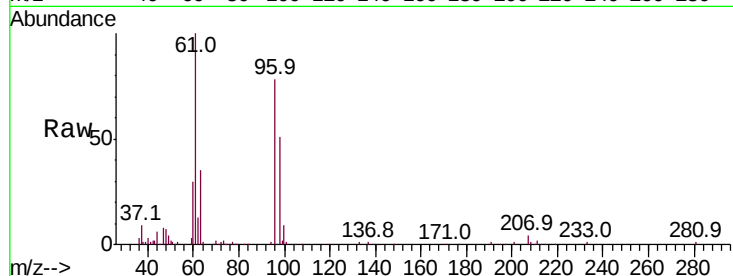


#27

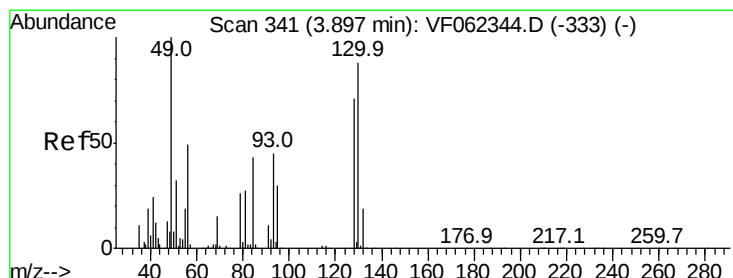
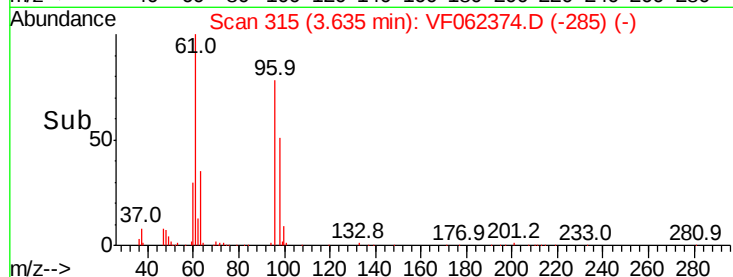
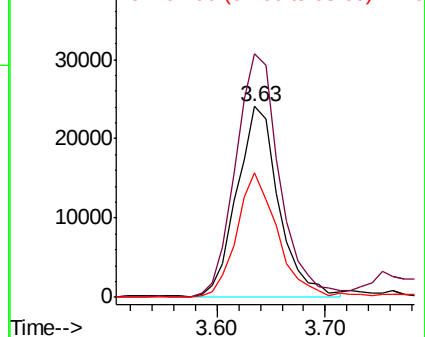
cis-1,2-Dichloroethene
Concen: 20.278 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	263.0
98	63.9	0.0	130.8



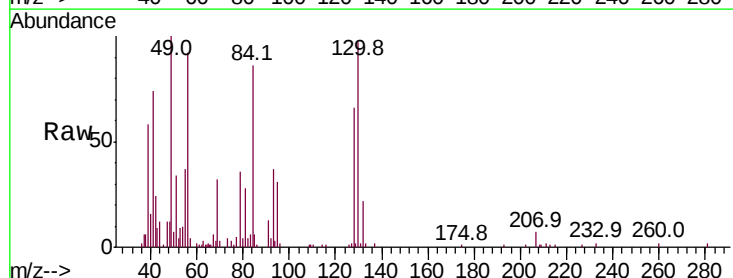
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



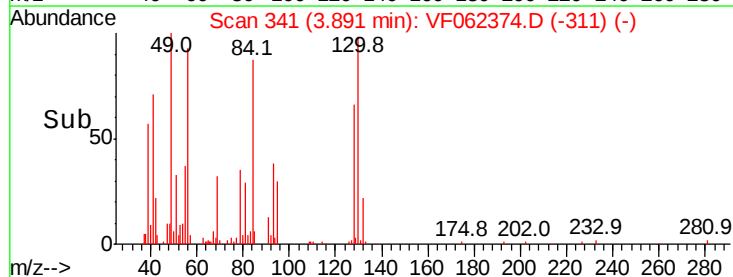
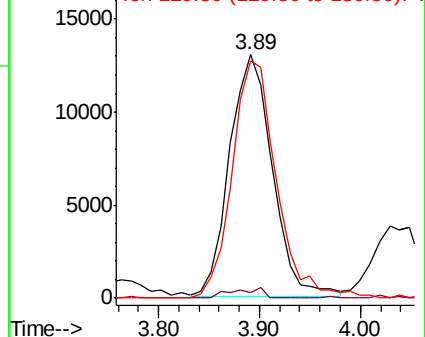
#28

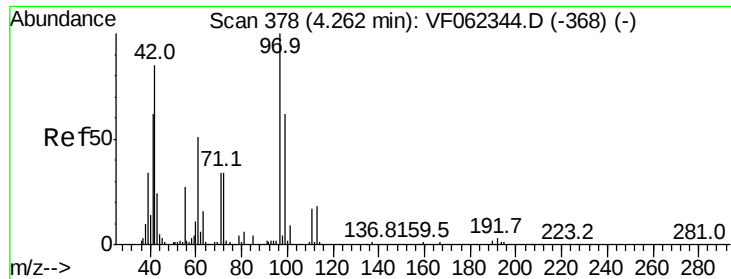
Bromochloromethane
Concen: 18.722 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	2.2#
130	101.7	79.4	119.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.801 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

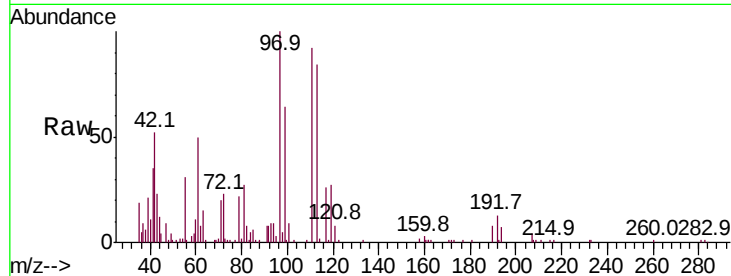
Tot Ion: 42 Resp: 37371

Ion Ratio Lower Upper

42 100

72 39.7 31.4 47.0

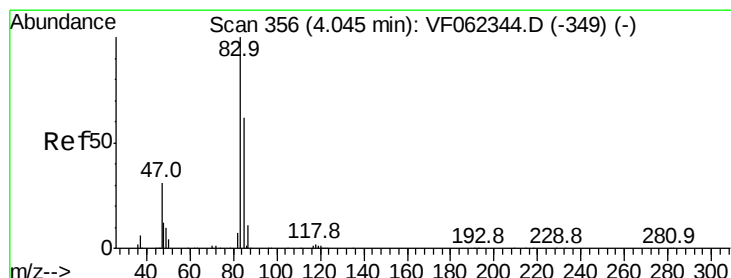
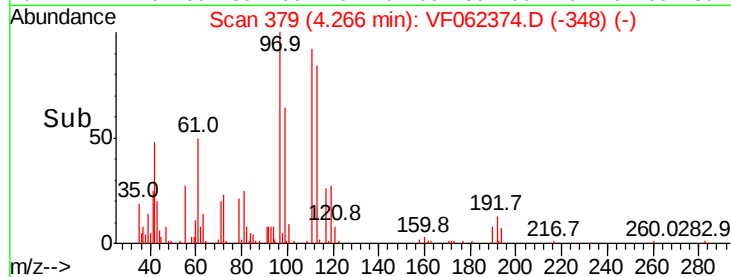
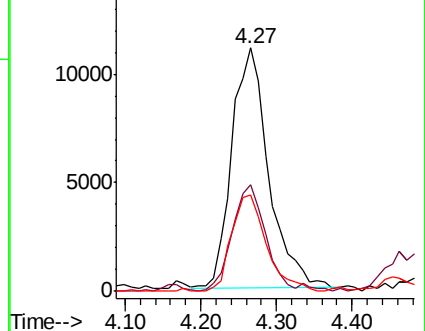
71 38.0 31.7 47.5



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: 21.293 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062374.D

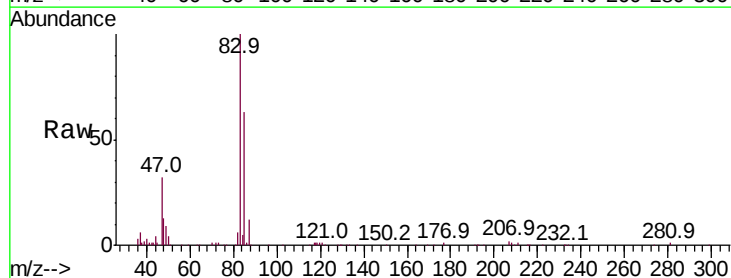
Acq: 8 May 2019 13:48

Tgt Ion: 83 Resp: 130052

Ion Ratio Lower Upper

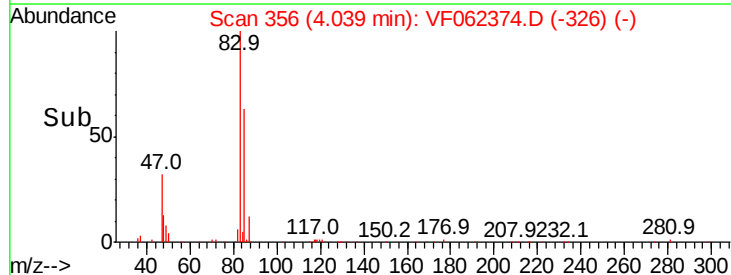
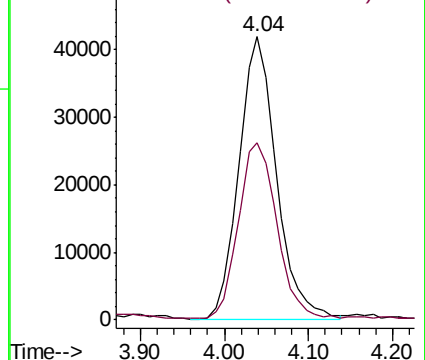
83 100

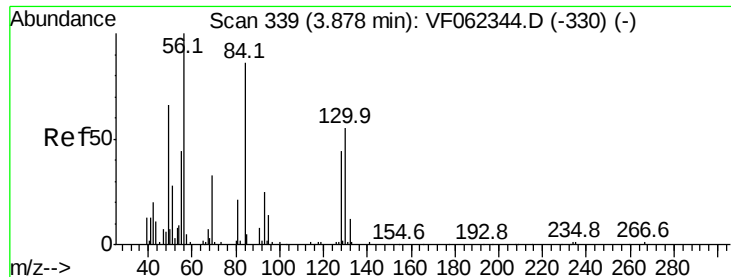
85 62.0 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

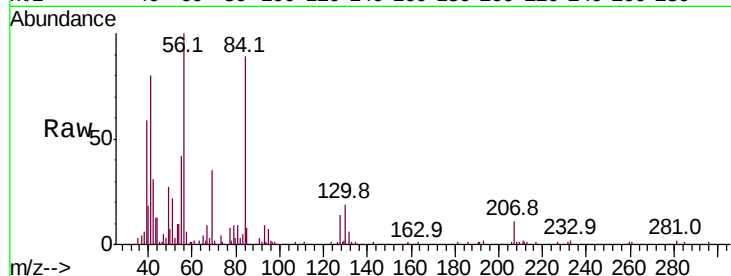




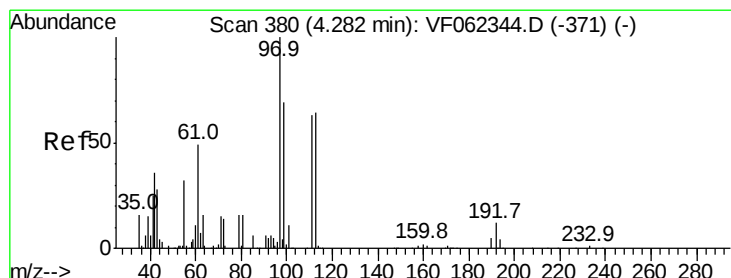
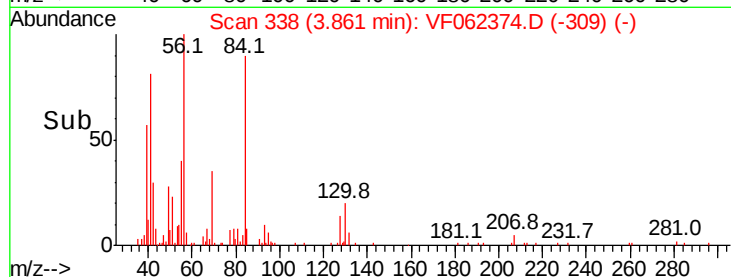
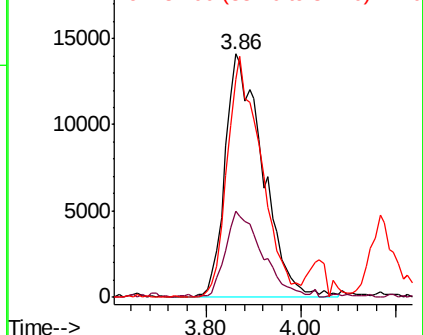
#31
Cyclohexane
Concen: 21.582 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion: 56 Resp: 77880
Ion Ratio Lower Upper
56 100
69 34.2 26.4 39.6
84 89.4 69.0 103.6

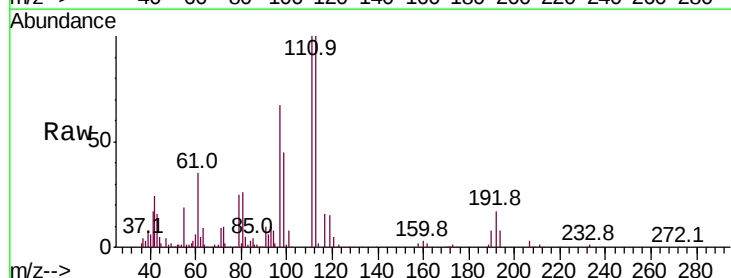


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

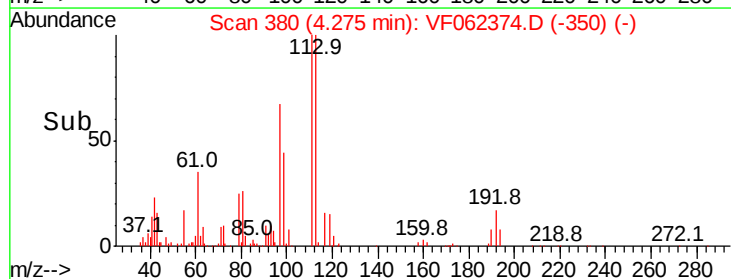
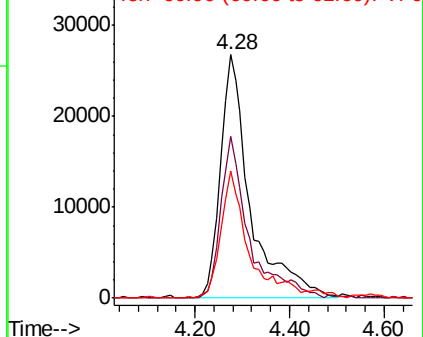


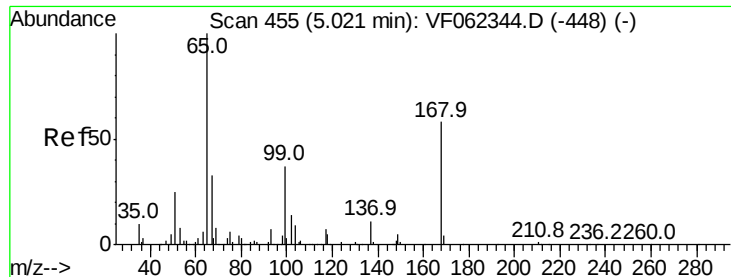
#32
1,1,1-Trichloroethane
Concen: 22.434 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion: 97 Resp: 117436
Ion Ratio Lower Upper
97 100
99 62.4 52.6 78.8
61 48.4 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.872 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

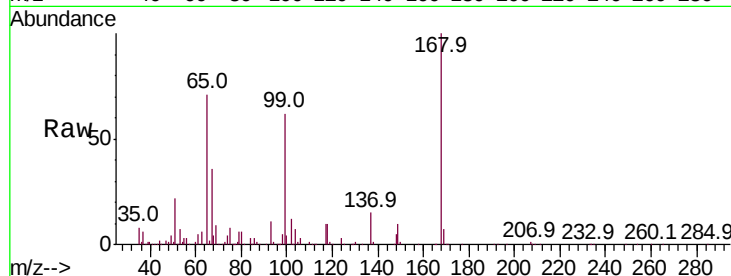
VF0508SBSD01

Tot Ion: 65 Resp: 163217

Ion Ratio Lower Upper

65 100

67 46.0 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

60000

50000

40000

30000

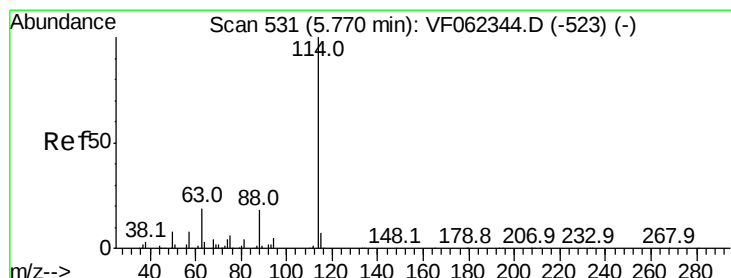
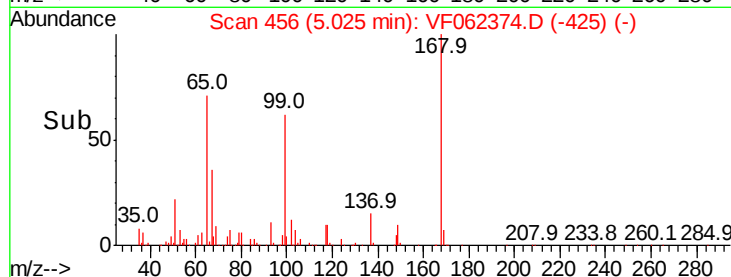
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

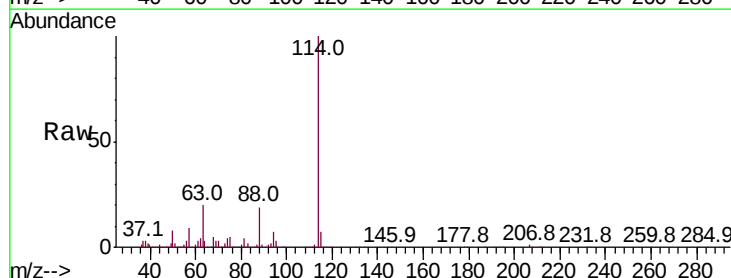
Tgt Ion:114 Resp: 461512

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 18.5 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

200000

150000

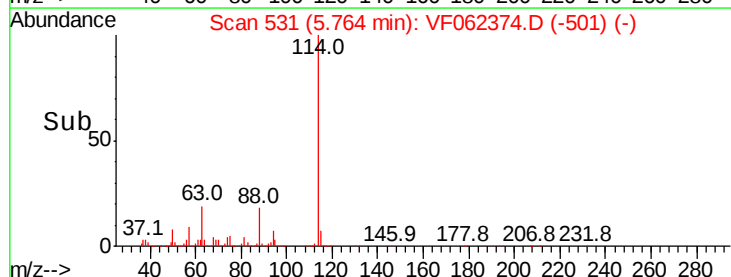
100000

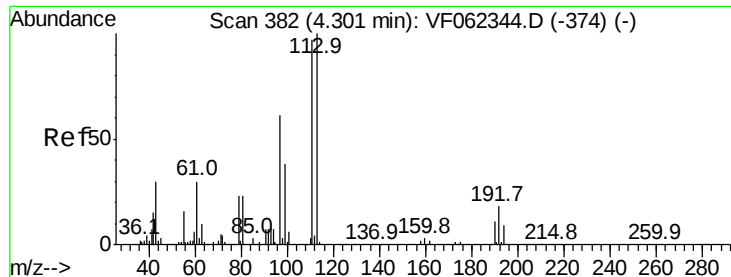
50000

0

5.60 5.80 6.00

Time-->

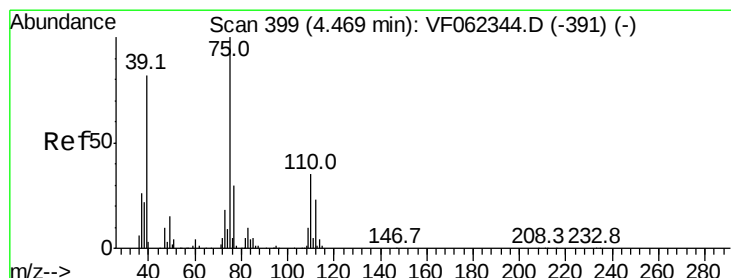
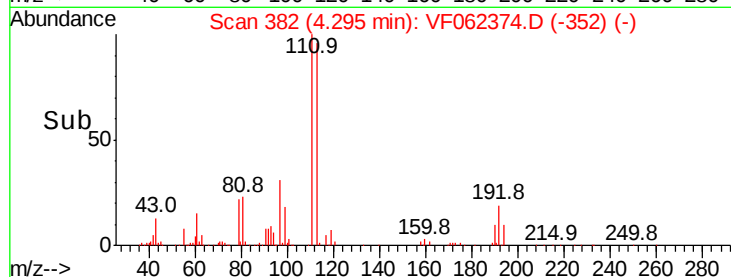
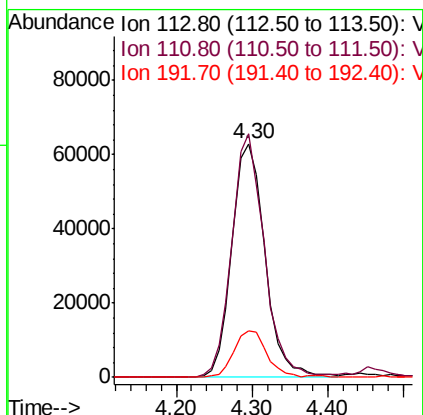
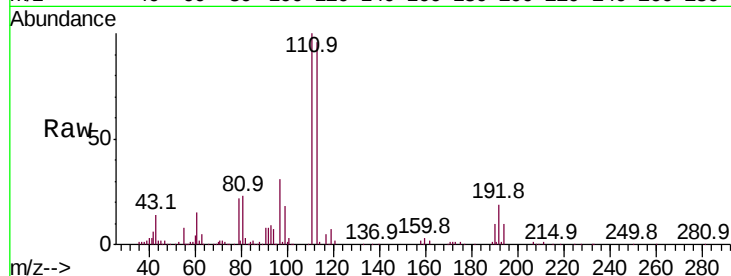




#35
 Dibromofluoromethane
 Concen: 52.163 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

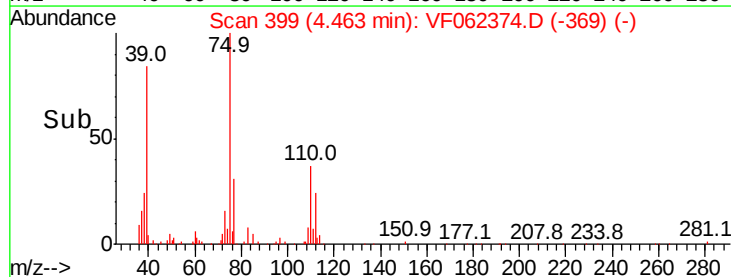
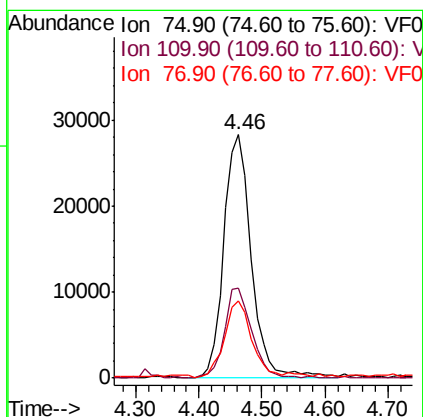
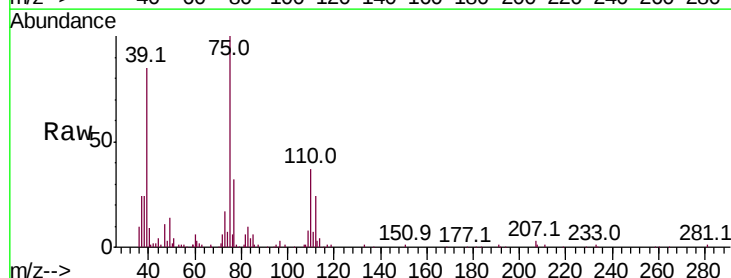
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

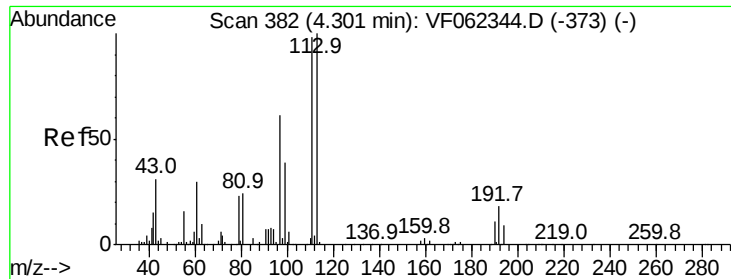
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.4	119.0
192	19.8	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 21.729 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.2	51.5
77	31.6	25.2	37.8





#37

Ethyl Acetate

Concen: 19.267 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

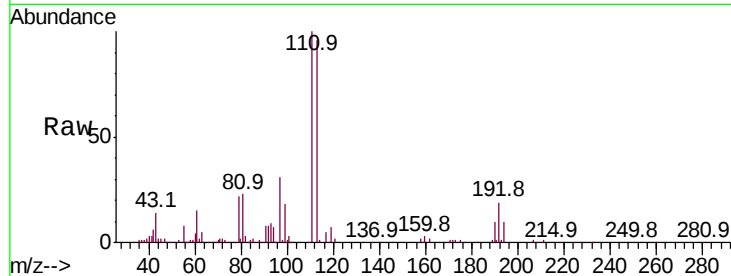
Tot Ion: 43 Resp: 34745

Ion Ratio Lower Upper

43 100

61 163.5 0.0 0.0#

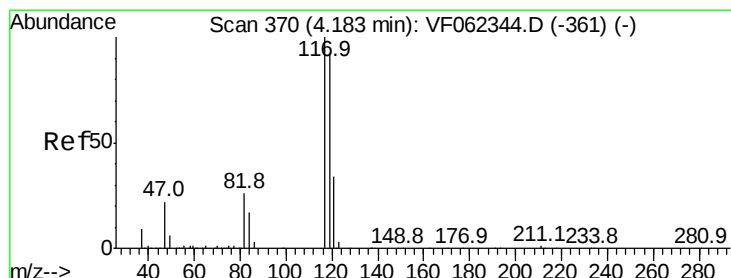
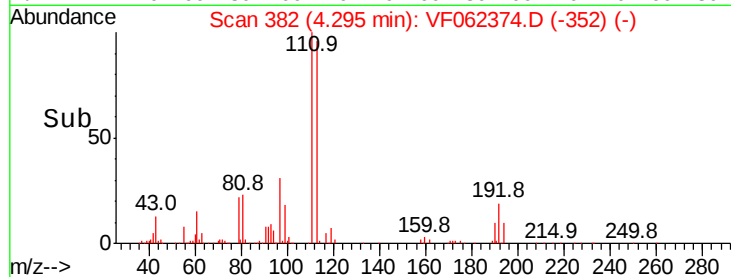
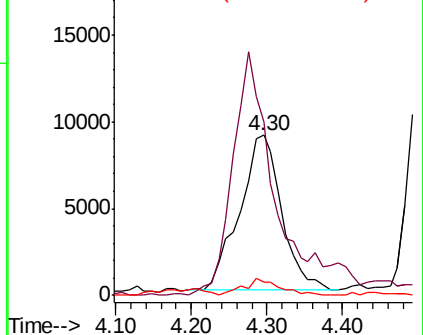
70 9.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.552 ug/l m

RT: 4.17 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

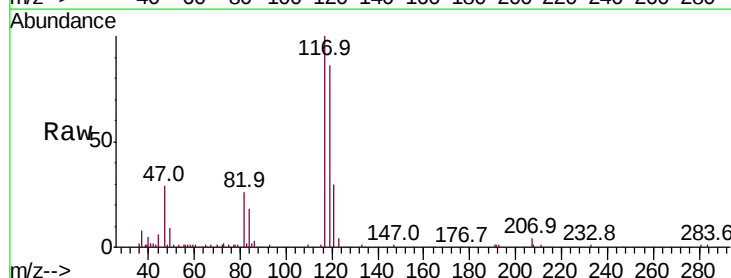
Tgt Ion: 117 Resp: 95130

Ion Ratio Lower Upper

117 100

119 86.1 73.4 110.2

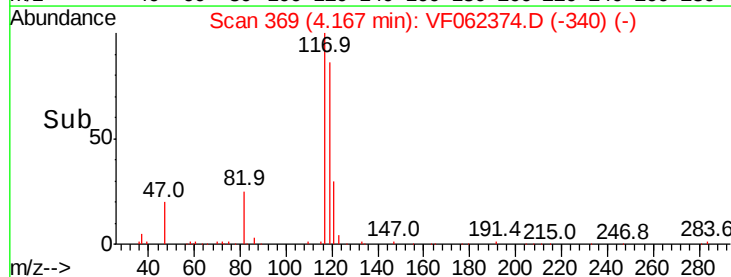
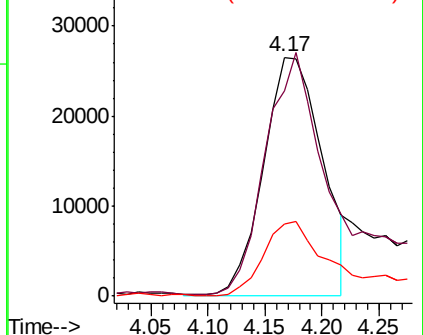
121 30.4 27.4 41.0

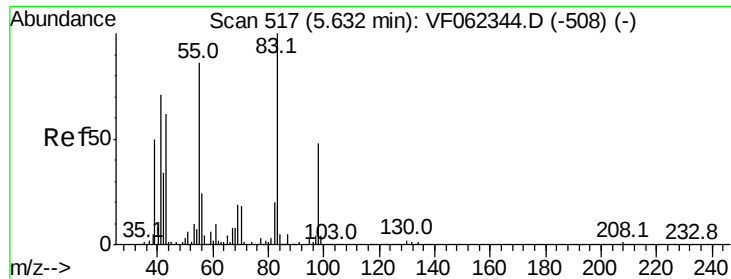


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

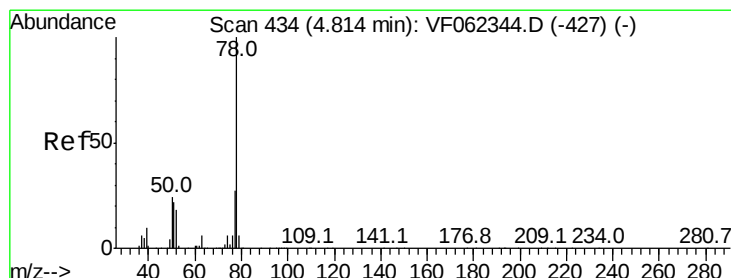
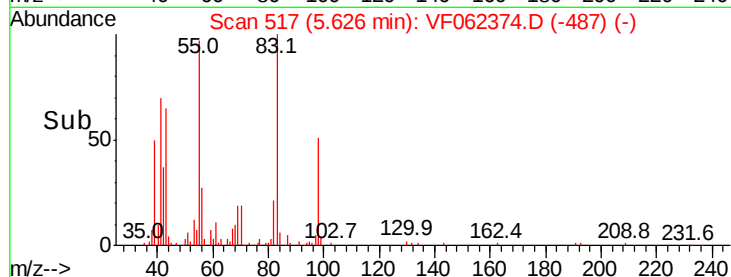
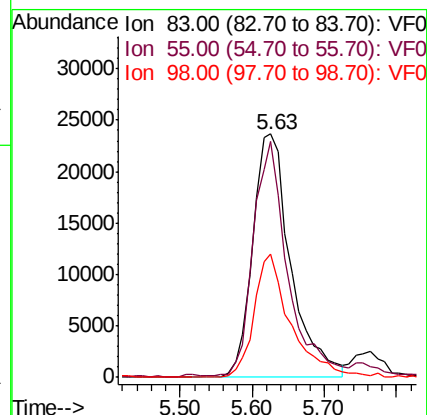
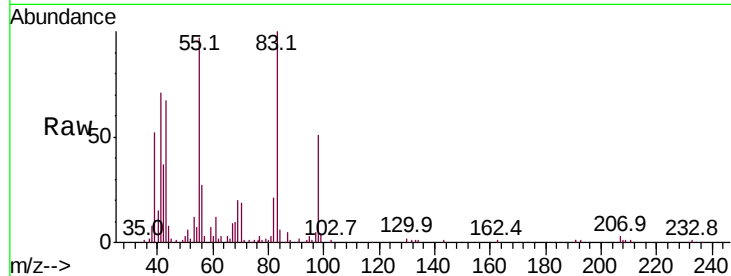




#39
Methvlcvclohexane
Concen: 21.969 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

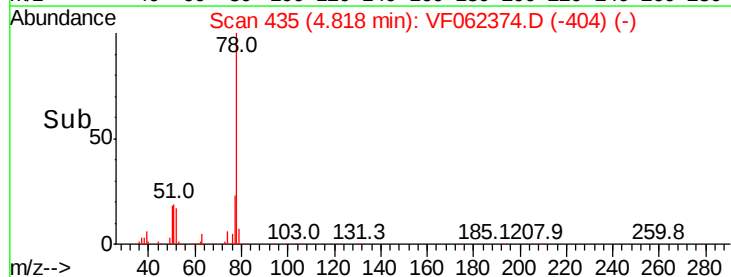
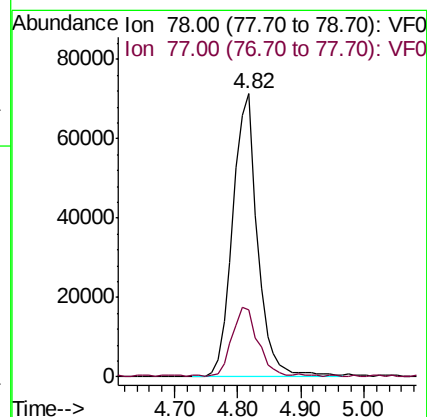
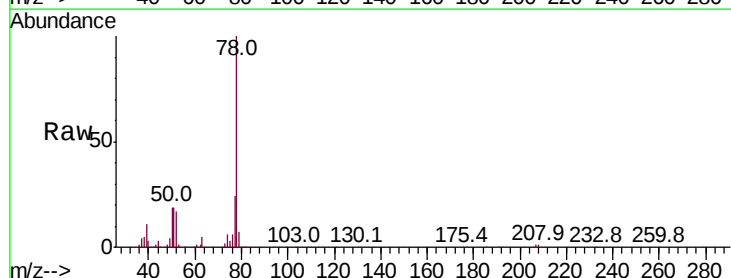
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

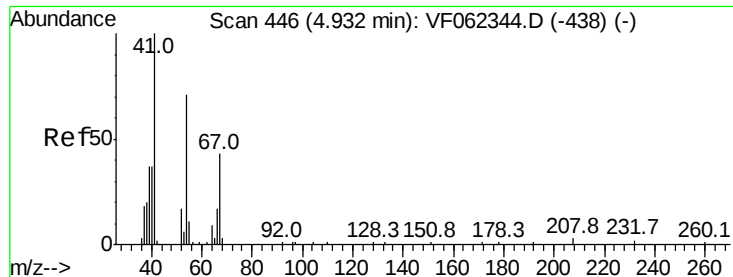
Tot Ion: 83 Resp: 87352
Ion Ratio Lower Upper
83 100
55 96.0 69.0 103.6
98 50.7 38.6 58.0



#40
Benzene
Concen: 22.327 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion: 78 Resp: 194919
Ion Ratio Lower Upper
78 100
77 23.6 21.6 32.4





#41

Methacrylonitrile

Concen: 20.851 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

Tot Ion: 41 Resp: 19821

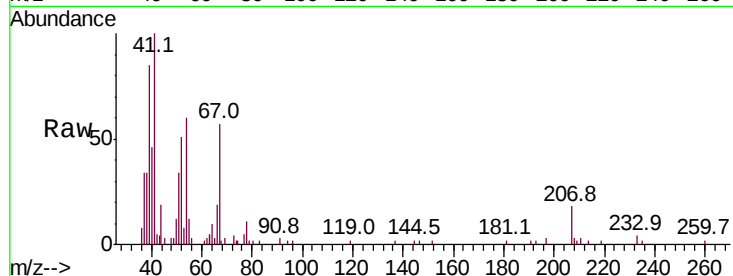
Ion Ratio Lower Upper

41 100

39 72.1 54.3 81.5

67 45.5 37.8 56.8

52 72.8 58.2 87.4

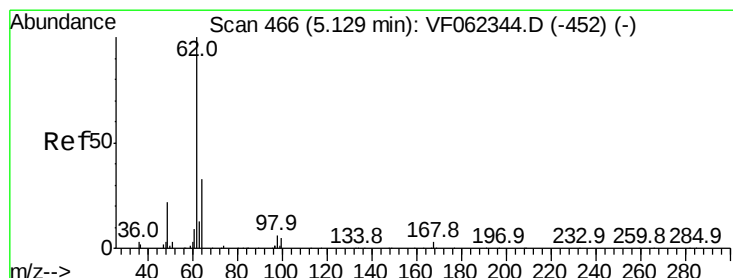
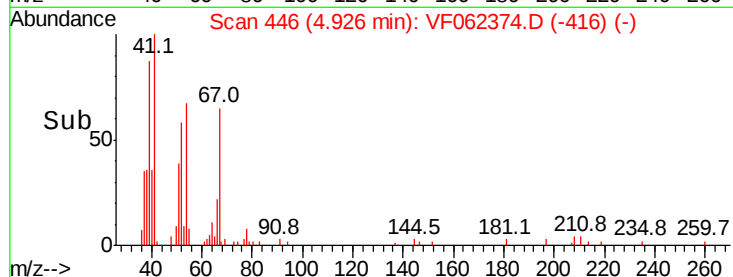
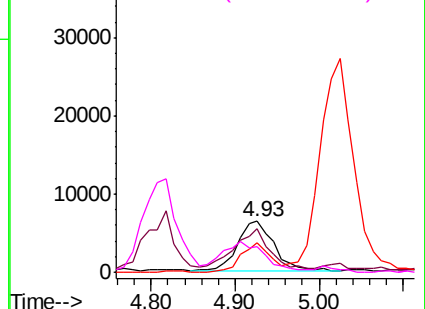


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.431 ug/l

RT: 5.11 min Scan# 465

Delta R.T. -0.02 min

Lab File: VF062374.D

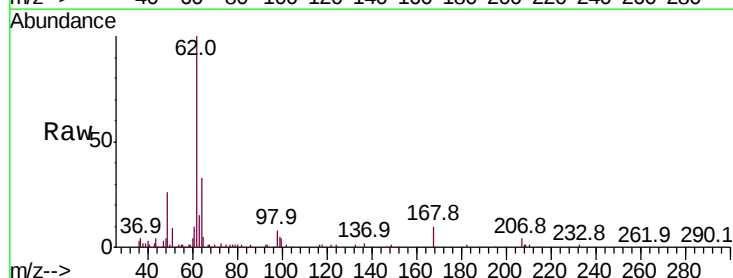
Acq: 8 May 2019 13:48

Tgt Ion: 62 Resp: 78249

Ion Ratio Lower Upper

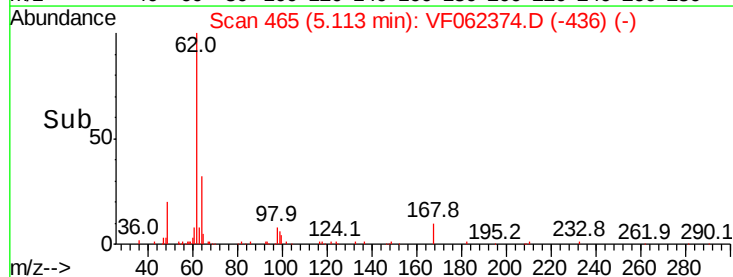
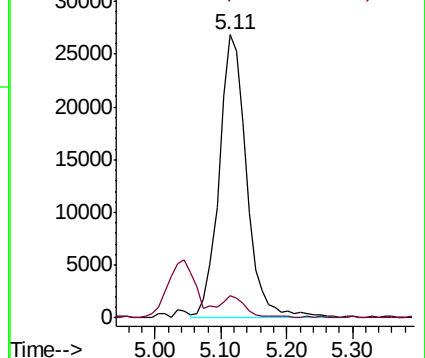
62 100

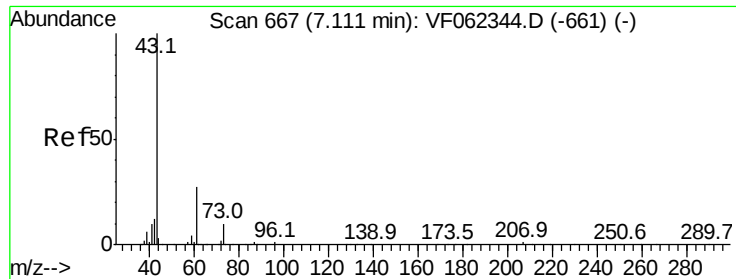
98 6.7 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



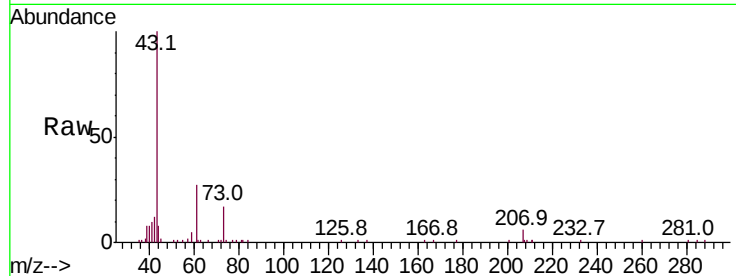


#43

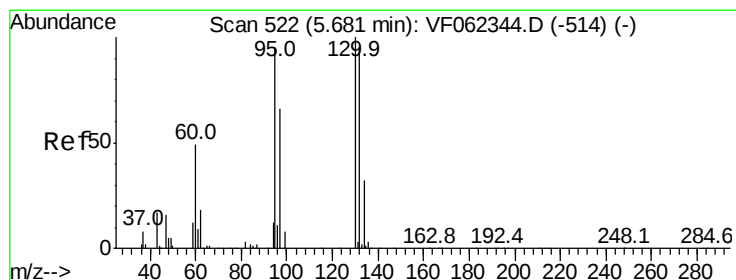
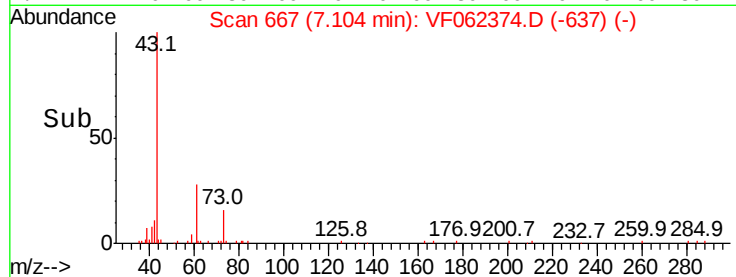
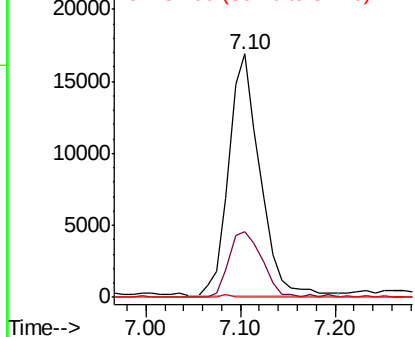
Isopropyl Acetate
 Concen: 21.047 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBSD01

Tot Ion: 43 Resp: 37954
 Ion Ratio Lower Upper
 43 100
 61 29.1 22.8 34.2
 87 0.3 0.6 1.0#



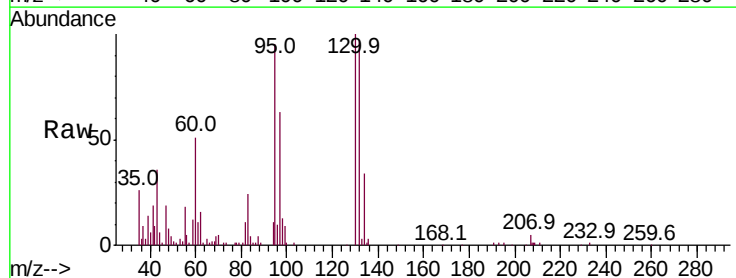
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



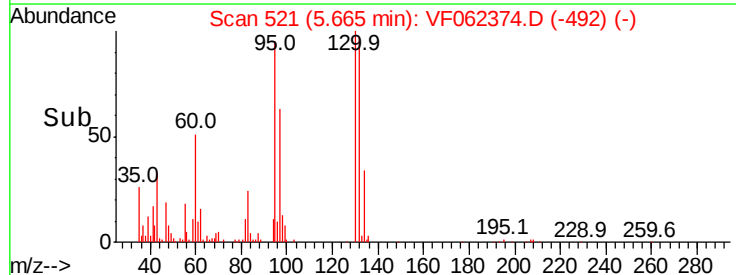
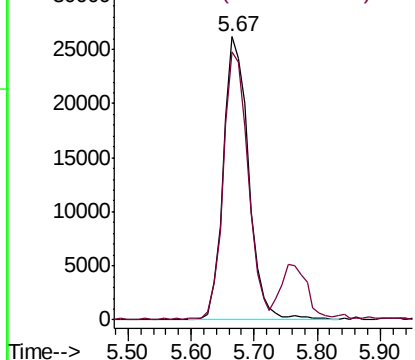
#44

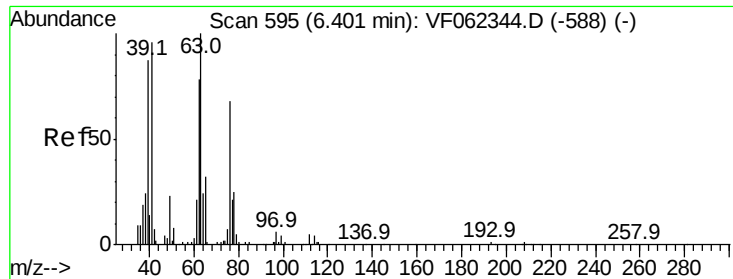
Trichloroethene
 Concen: 22.629 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

Tgt Ion:130 Resp: 72570
 Ion Ratio Lower Upper
 130 100
 95 94.3 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.759 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

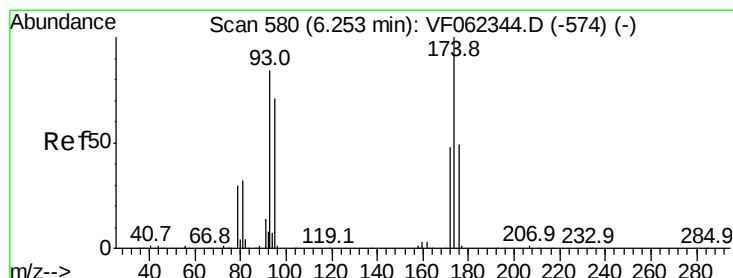
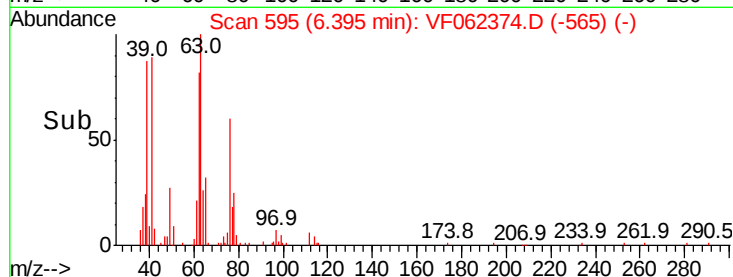
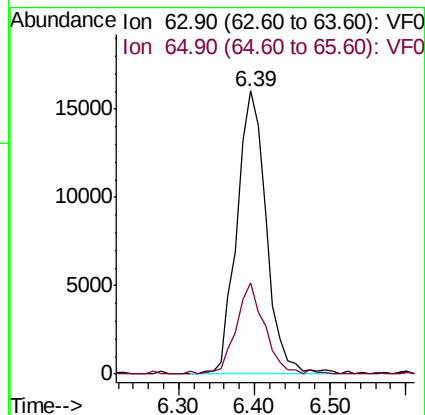
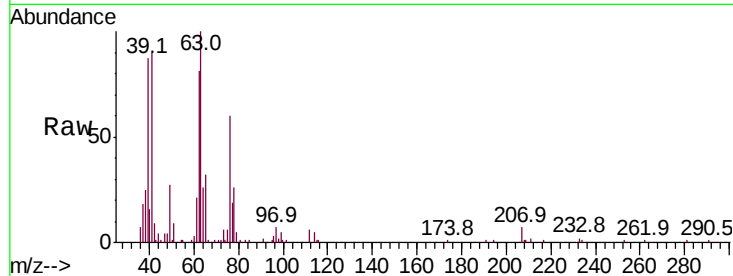
VF0508SBSD01

Tot Ion: 63 Resp: 43026

Ion Ratio Lower Upper

63 100

65 32.1 25.6 38.4



#46

Dibromomethane

Concen: 22.516 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

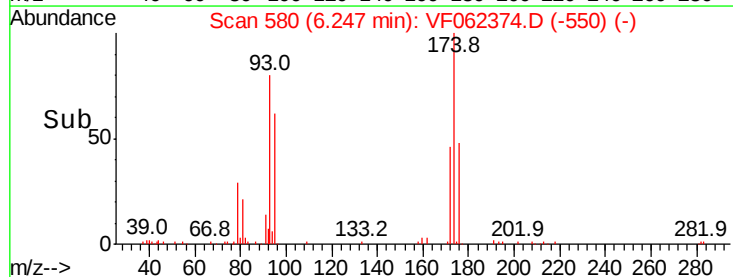
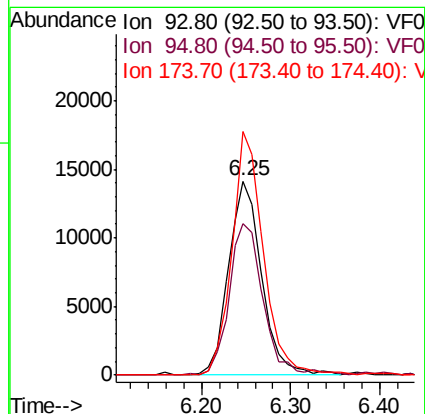
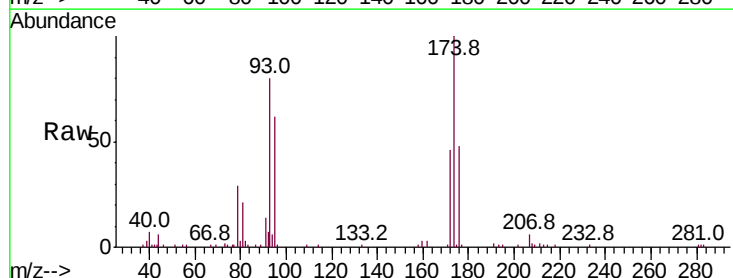
Tgt Ion: 93 Resp: 36915

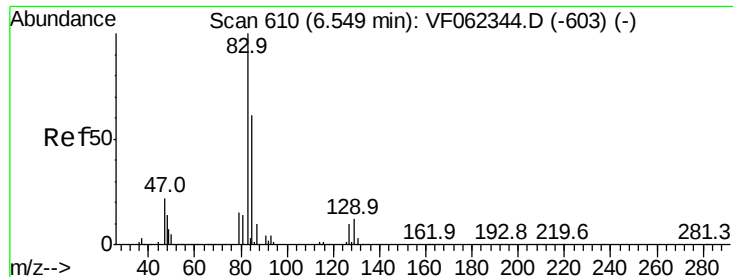
Ion Ratio Lower Upper

93 100

95 78.6 68.4 102.6

174 118.6 99.6 149.4





#47

Bromodichloromethane

Concen: 21.124 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

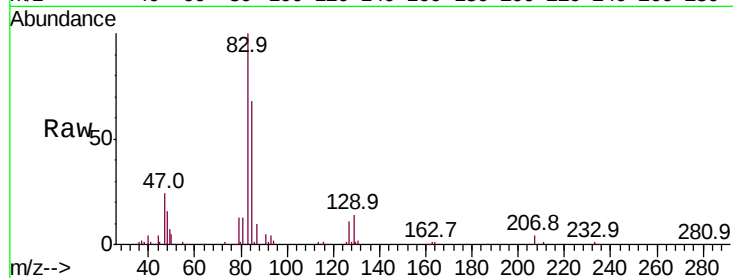
Tot Ion: 83 Resp: 86590

Ion Ratio Lower Upper

83 100

85 67.9 49.1 73.7

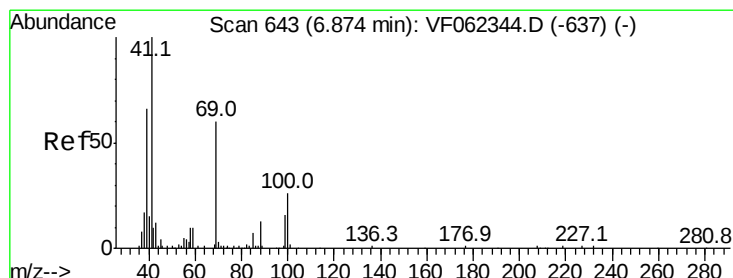
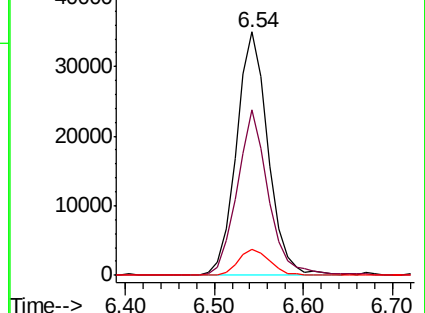
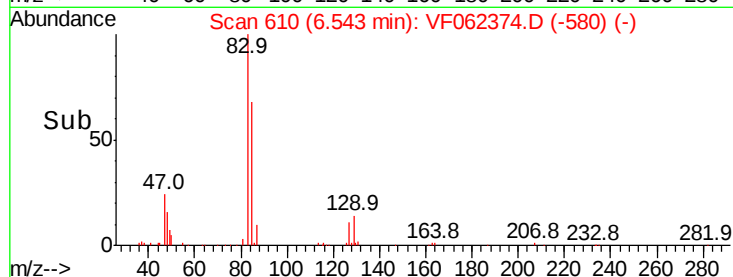
127 10.7 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.447 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

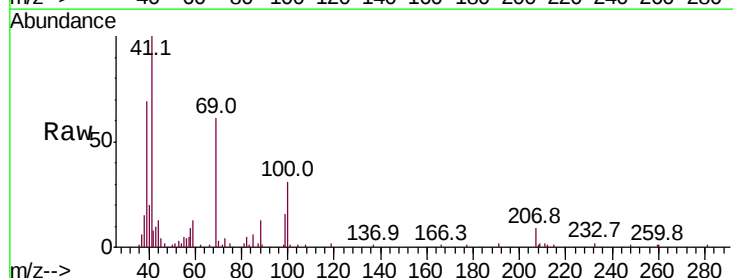
Tgt Ion: 41 Resp: 27331

Ion Ratio Lower Upper

41 100

69 61.8 48.6 72.8

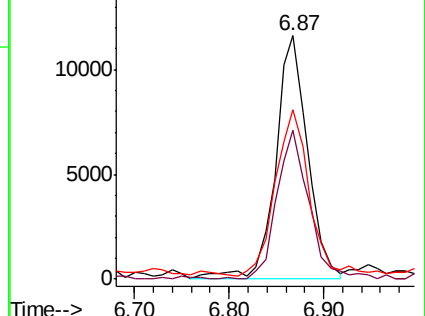
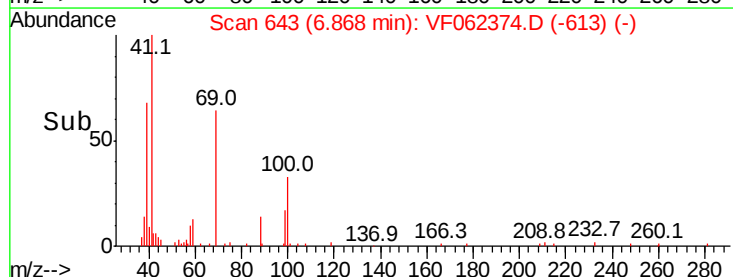
39 74.0 56.1 84.1

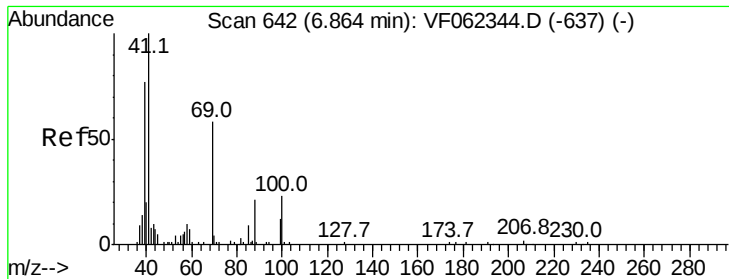


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

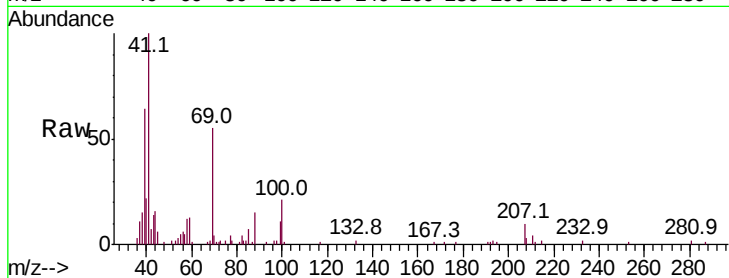




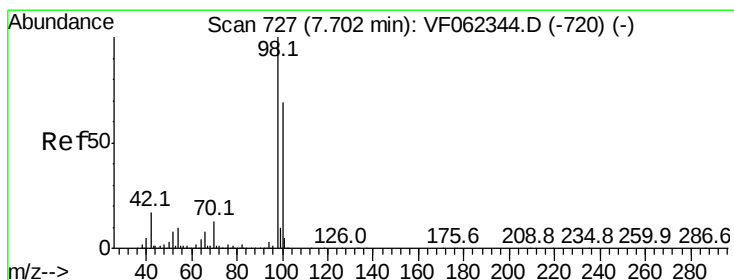
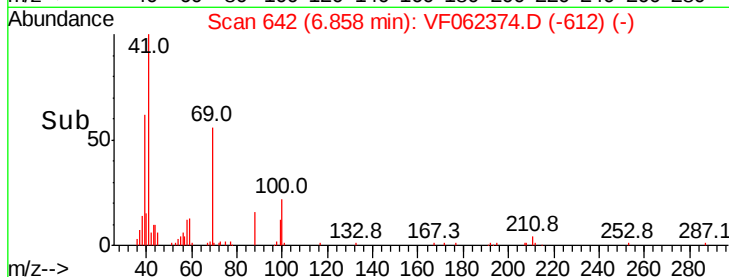
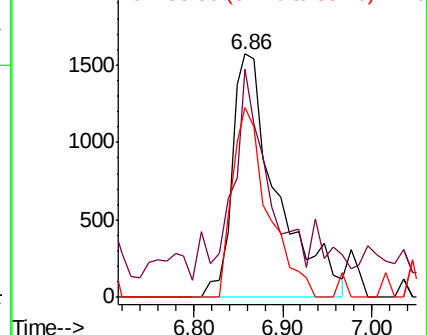
#49
1,4-Dioxane
Concen: 414.274 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion: 88 Resp: 5530
Ion Ratio Lower Upper
88 100
43 68.7 55.6 83.4
58 62.4 52.8 79.2

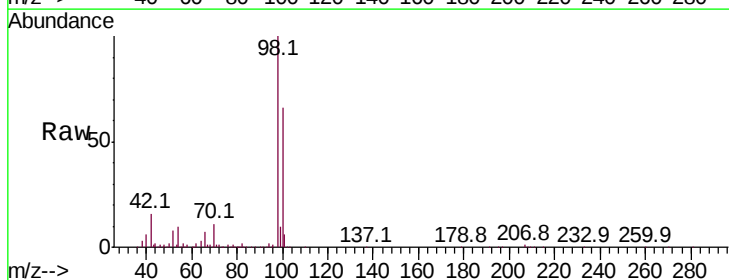


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

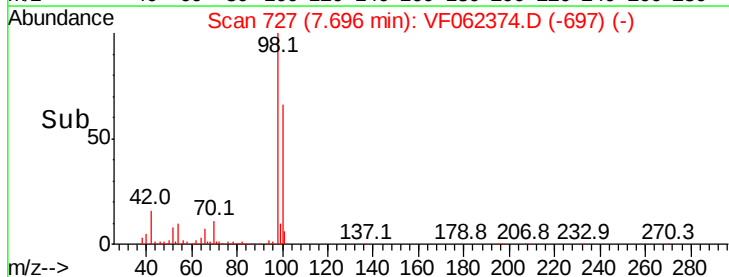
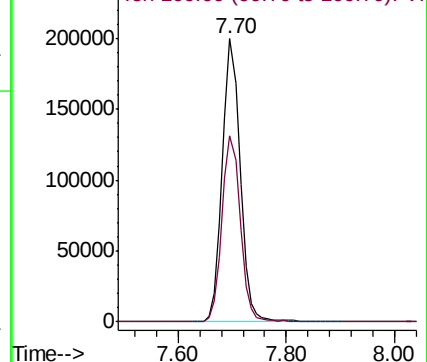


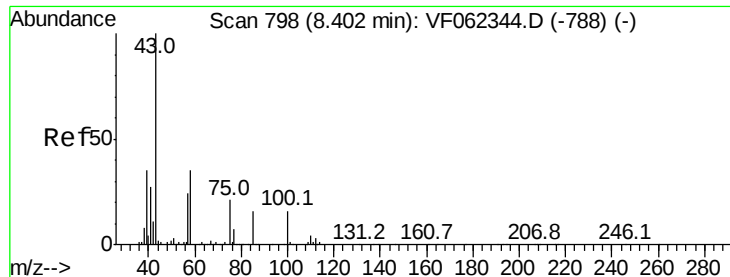
#50
Toluene-d8
Concen: 51.474 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion: 98 Resp: 458134
Ion Ratio Lower Upper
98 100
100 67.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 107.512 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

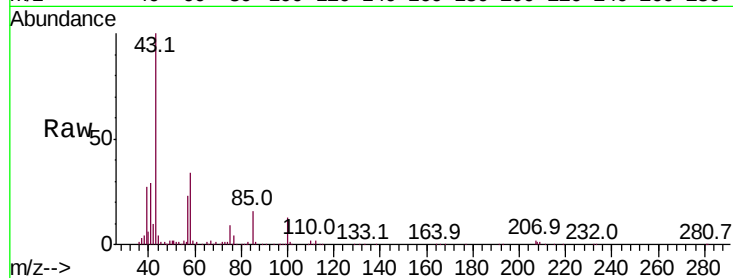
VF0508SBSD01

Tot Ion: 43 Resp: 146907

Ion Ratio Lower Upper

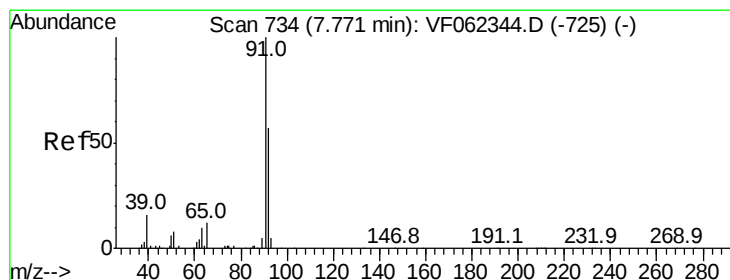
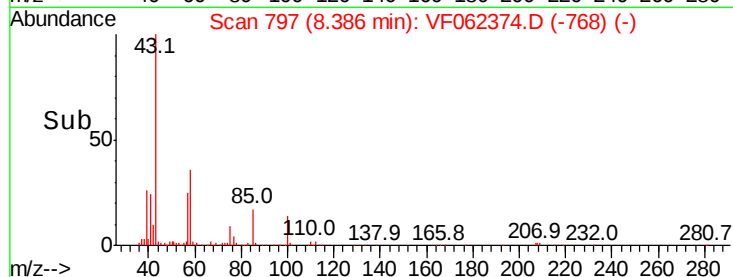
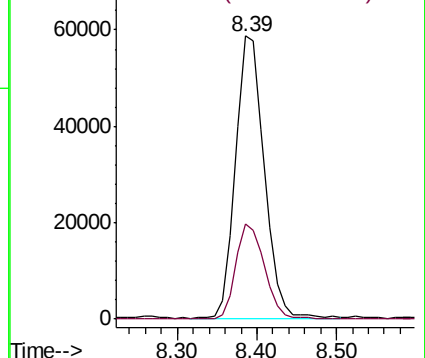
43 100

58 33.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.199 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062374.D

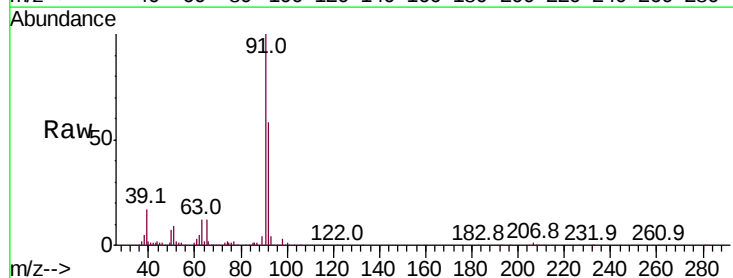
Acq: 8 May 2019 13:48

Tgt Ion: 92 Resp: 119559

Ion Ratio Lower Upper

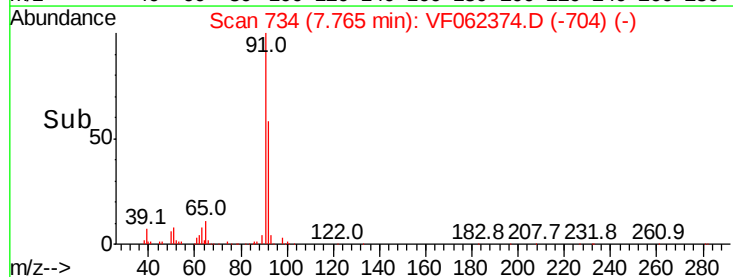
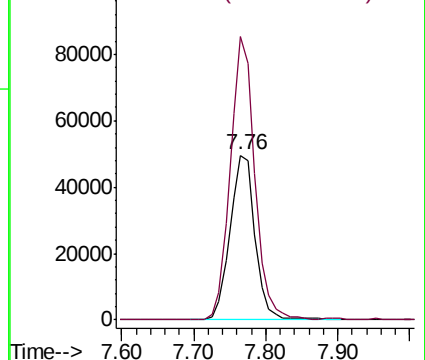
92 100

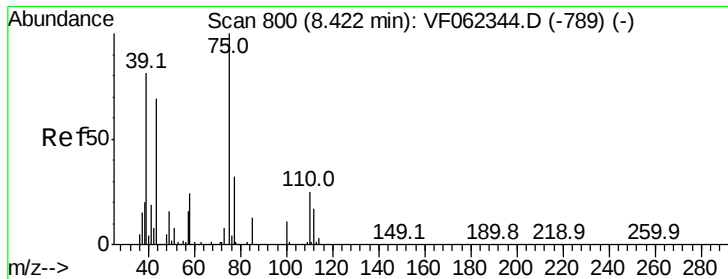
91 167.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.152 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

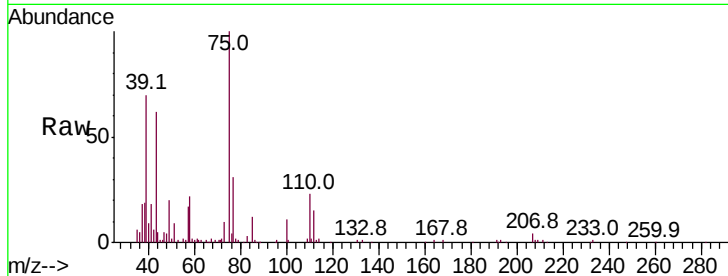
VF0508SBS01

Tot Ion: 75 Resp: 68677

Ion Ratio Lower Upper

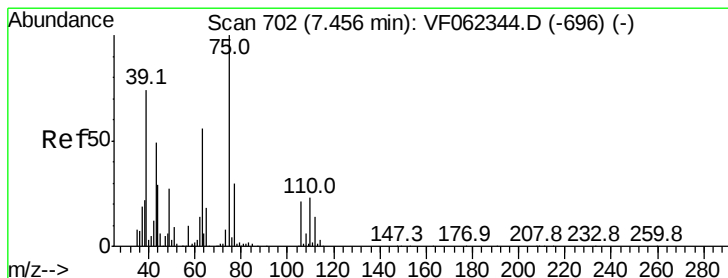
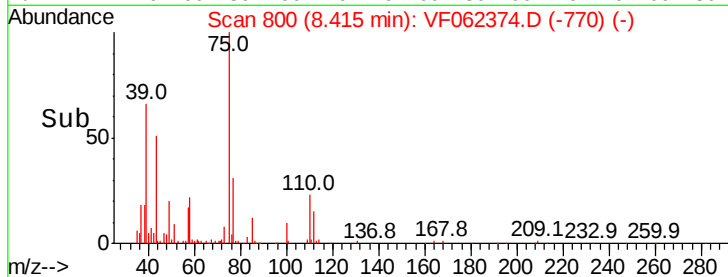
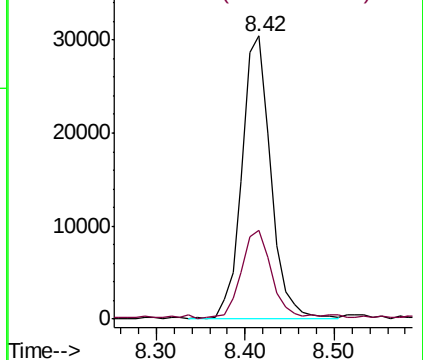
75 100

77 30.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.798 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

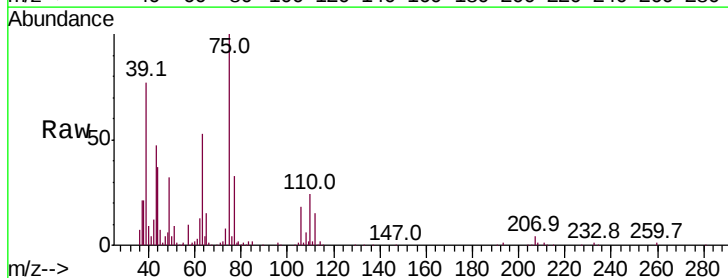
Tgt Ion: 75 Resp: 82258

Ion Ratio Lower Upper

75 100

77 32.7 24.0 36.0

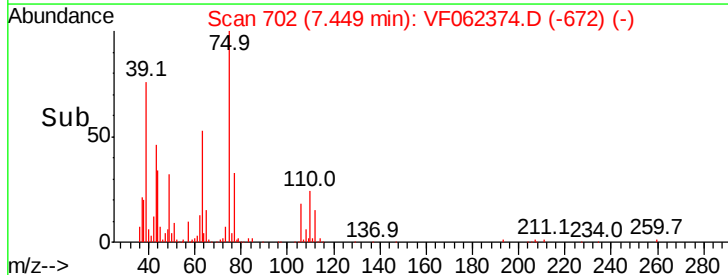
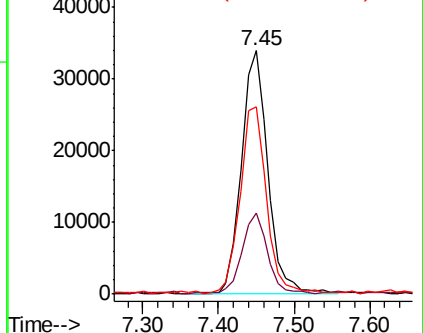
39 76.0 58.7 88.1

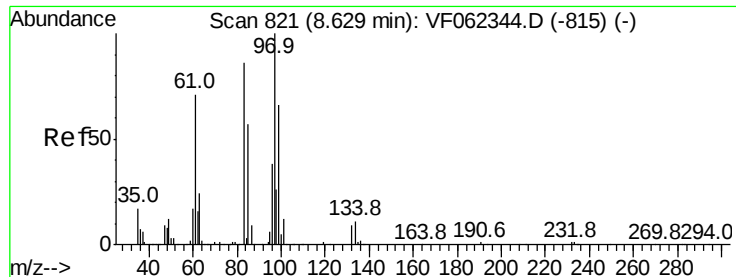


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.369 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

Tot Ion: 97 Resp: 36534

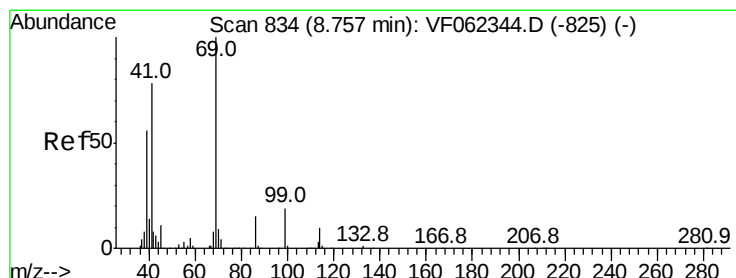
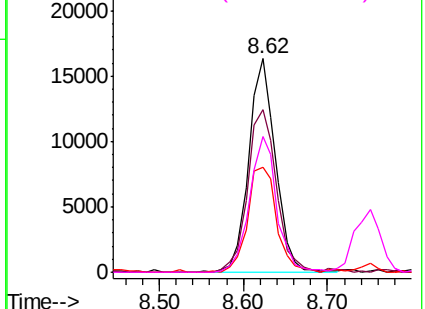
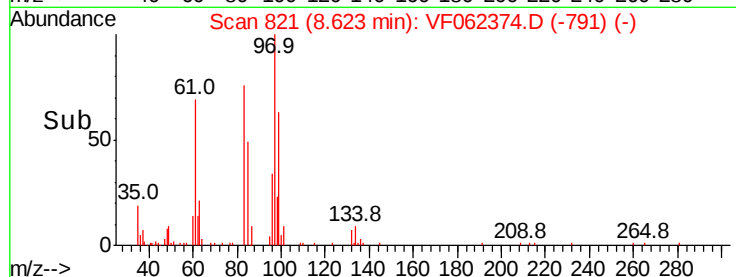
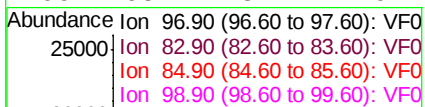
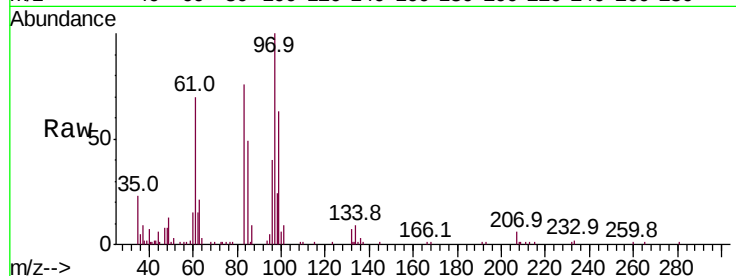
Ion Ratio Lower Upper

97 100

83 76.1 68.5 102.7

85 48.9 45.4 68.2

99 63.4 52.7 79.1



#56

Ethyl methacrylate

Concen: 22.068 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

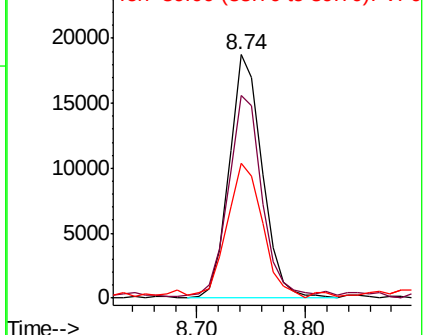
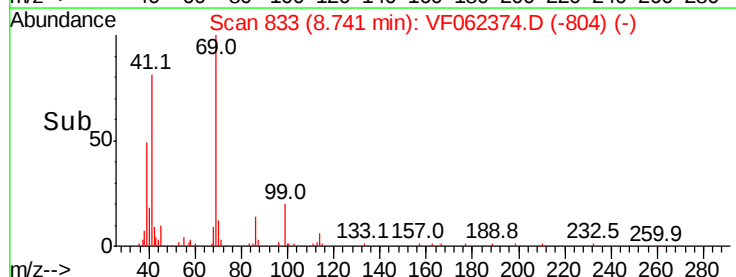
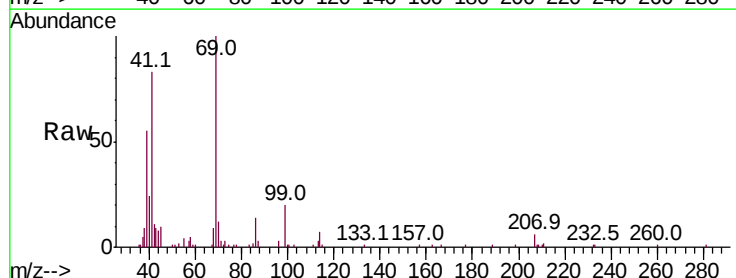
Tgt Ion: 69 Resp: 39828

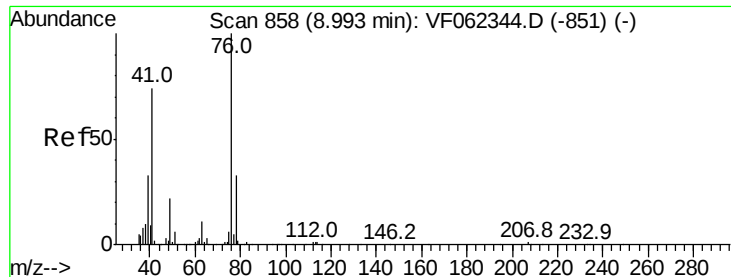
Ion Ratio Lower Upper

69 100

41 83.2 66.3 99.5

39 60.0 50.1 75.1





#57

1,3-Dichloropropane

Concen: 21.656 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

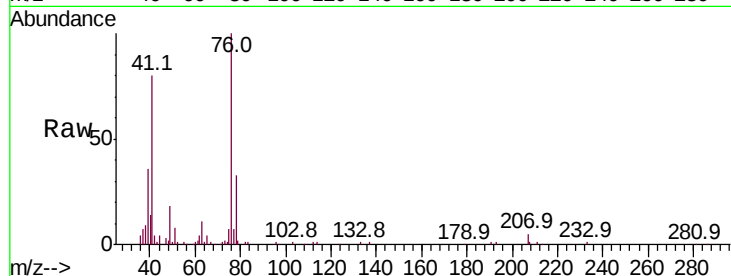
VF0508SBSD01

Tot Ion: 76 Resp: 55928

Ion Ratio Lower Upper

76 100

78 35.5 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

8.98

25000

20000

15000

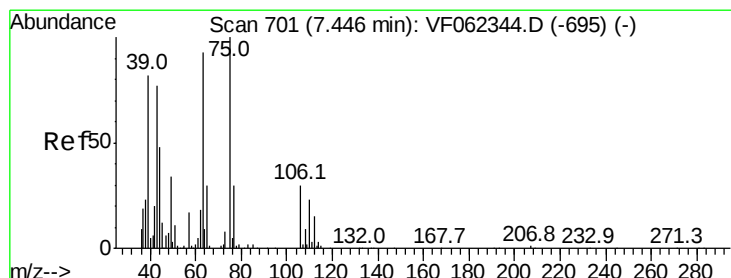
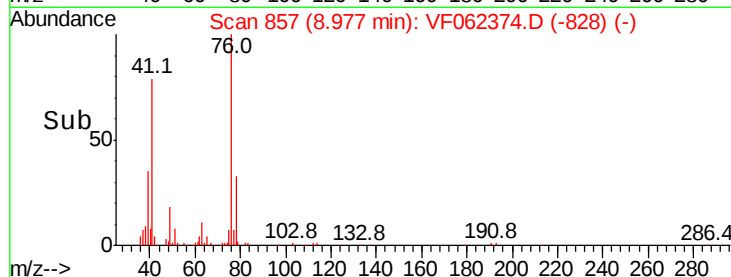
10000

5000

0

Time-->

8.90 9.00 9.10



#58

2-Chloroethyl Vinyl ether

Concen: 105.615 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062374.D

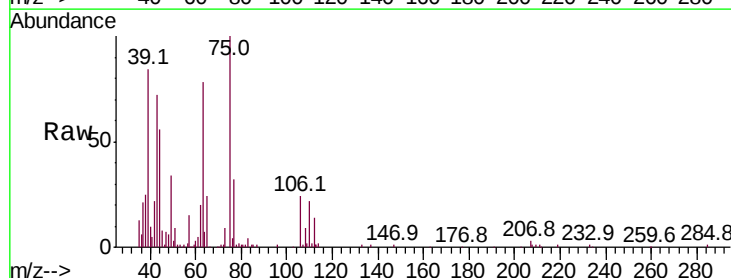
Acq: 8 May 2019 13:48

Tgt Ion: 63 Resp: 57306

Ion Ratio Lower Upper

63 100

106 31.9 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.44

25000

20000

15000

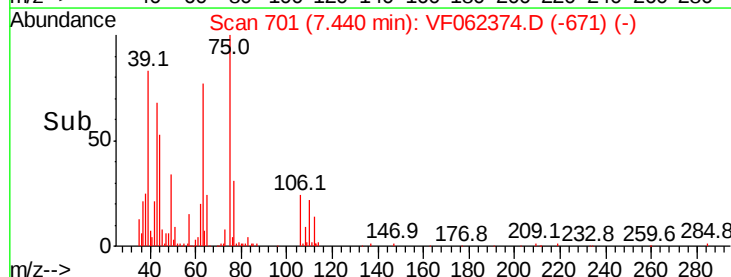
10000

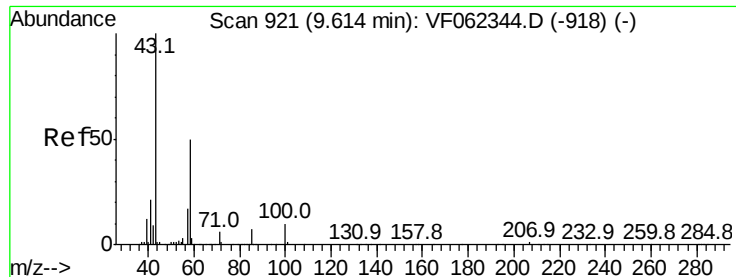
5000

0

Time-->

7.40 7.50

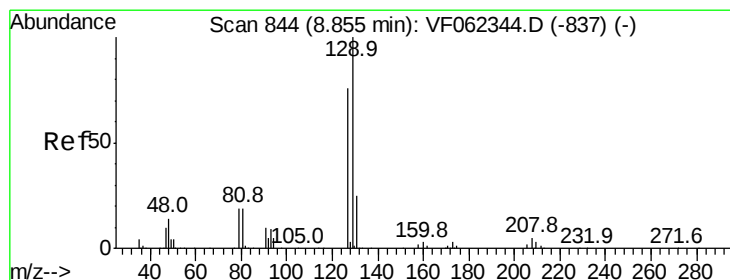
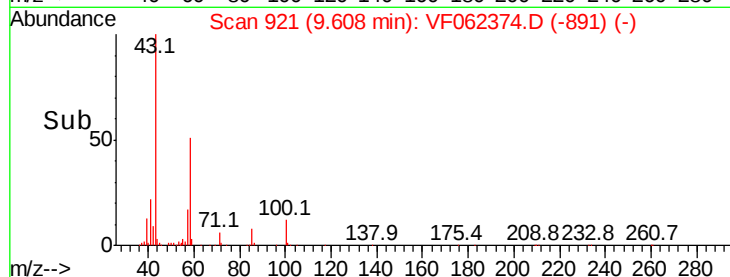
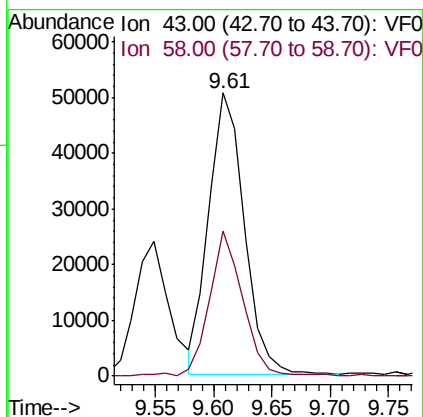
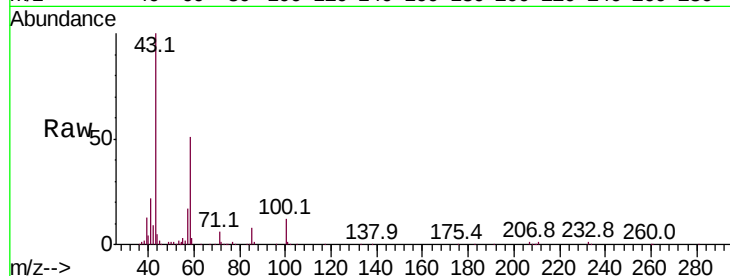




#59
2-Hexanone
Concen: 113.602 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

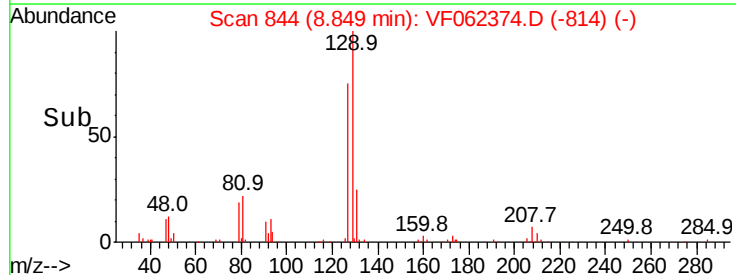
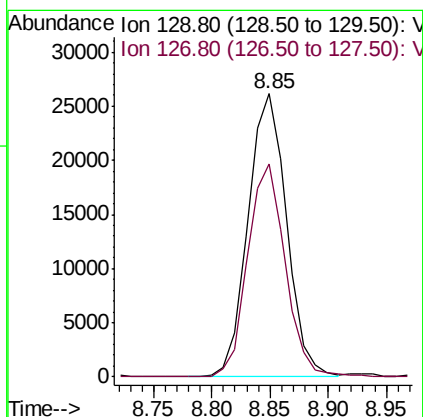
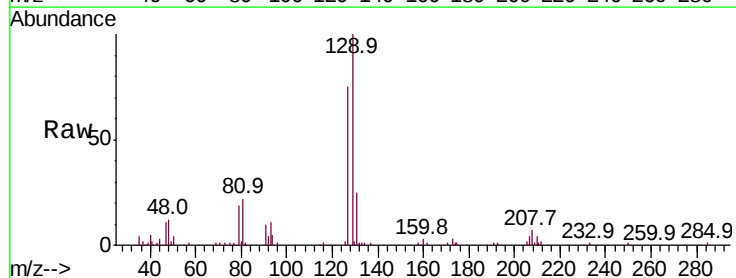
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

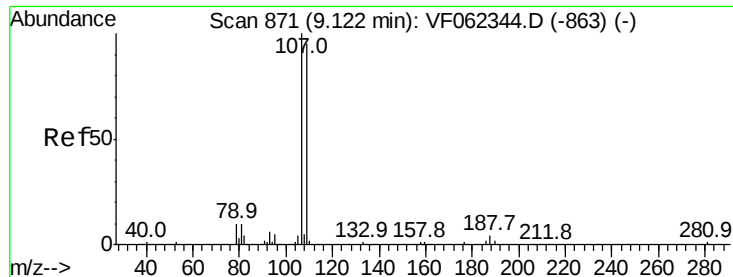
Tot Ion: 43 Resp: 107356
Ion Ratio Lower Upper
43 100
58 49.1 24.3 73.0



#60
Dibromochloromethane
Concen: 21.425 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion: 129 Resp: 59910
Ion Ratio Lower Upper
129 100
127 73.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.598 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

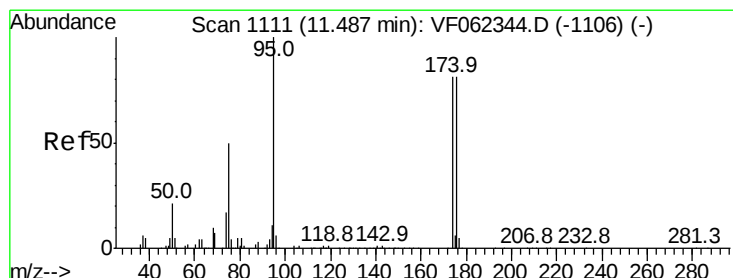
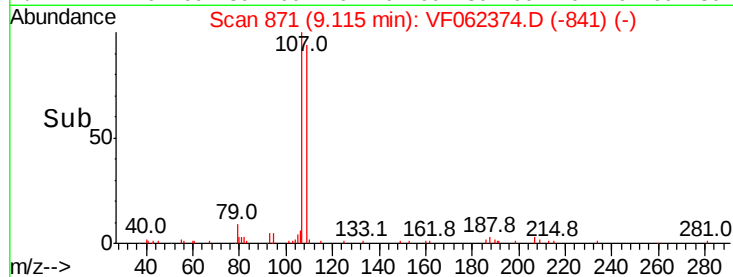
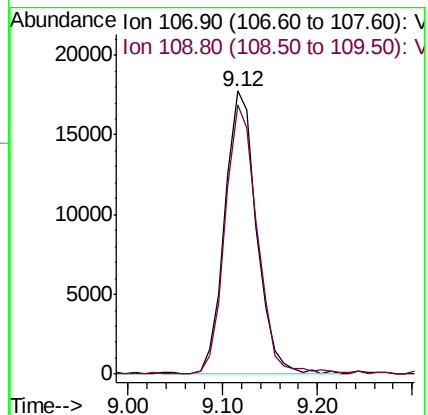
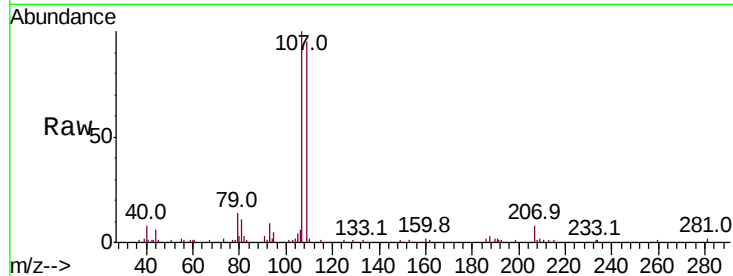
VF0508SBSD01

Tot Ion:107 Resp: 41391

Ion Ratio Lower Upper

107 100

109 96.3 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 51.572 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

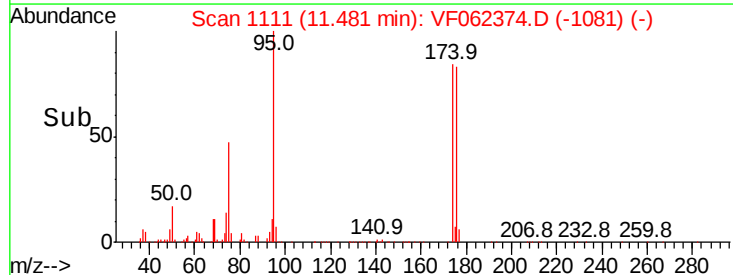
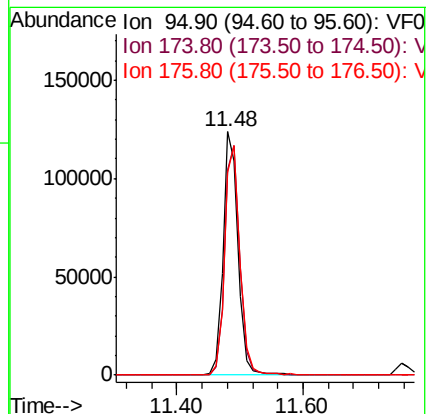
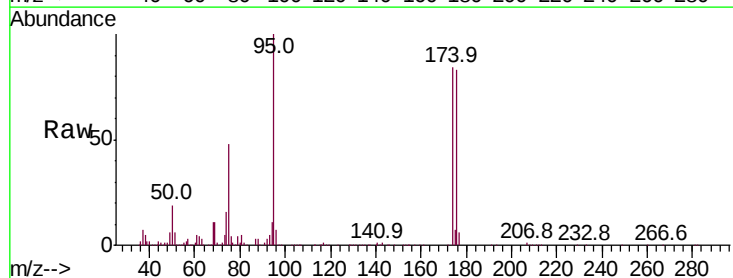
Tgt Ion: 95 Resp: 207084

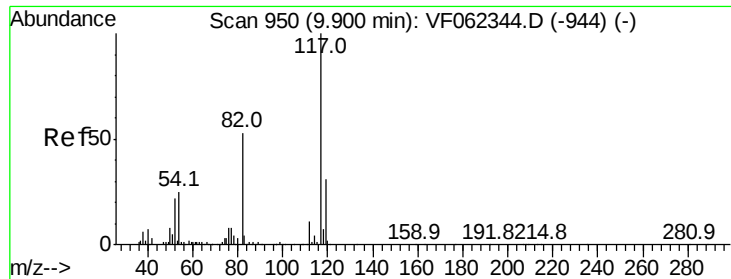
Ion Ratio Lower Upper

95 100

174 95.2 0.0 191.8

176 95.4 0.0 193.2

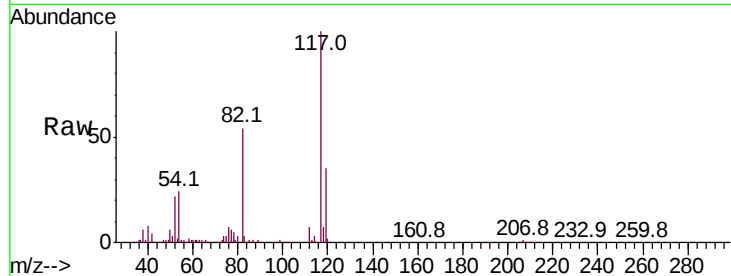




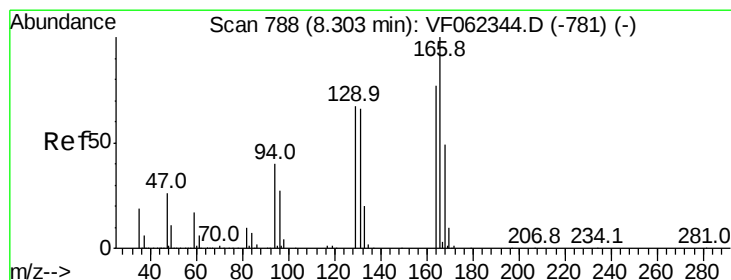
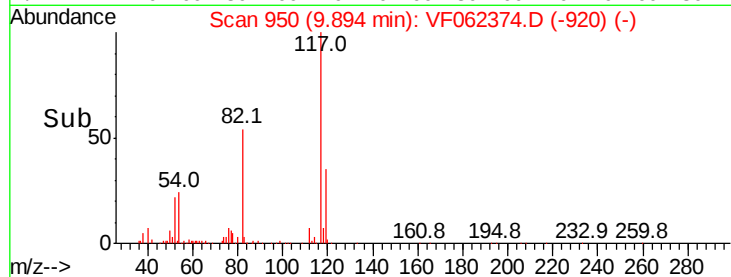
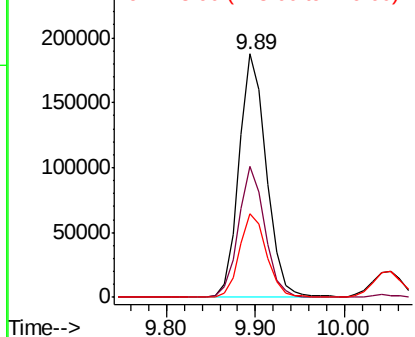
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

Tot Ion:117 Resp: 400650
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.2
119 34.5 25.0 37.4

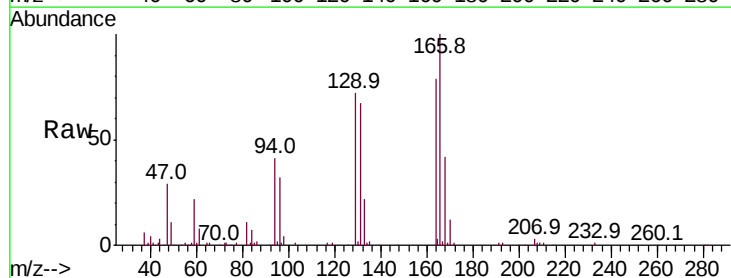


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

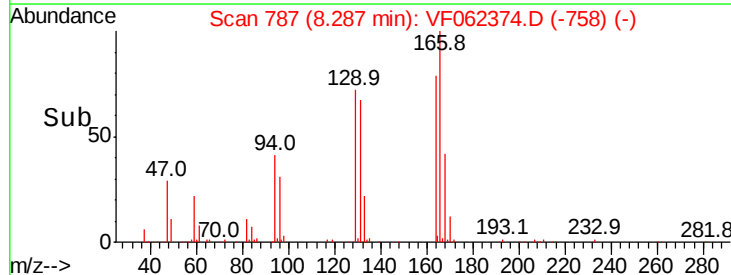
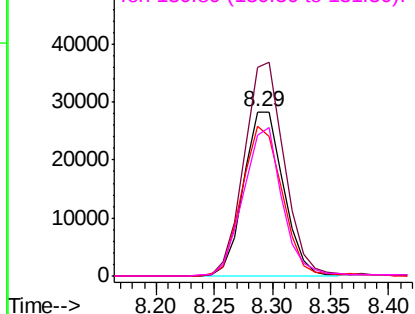


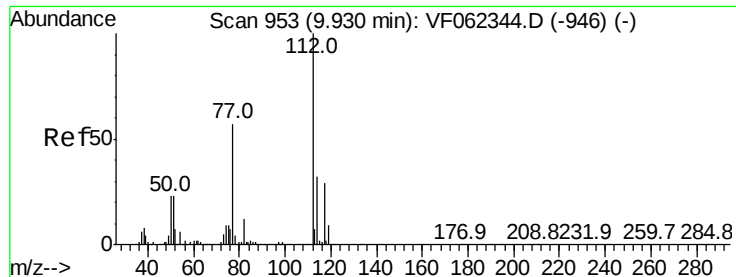
#64
Tetrachloroethene
Concen: 20.688 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion:164 Resp: 67290
Ion Ratio Lower Upper
164 100
166 126.9 104.2 156.4
129 91.2 69.6 104.4
131 85.6 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.710 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

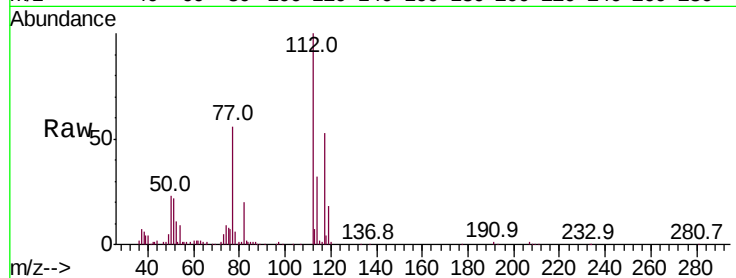
VF0508SBS01

Tot Ion:112 Resp: 143917

Ion Ratio Lower Upper

112 100

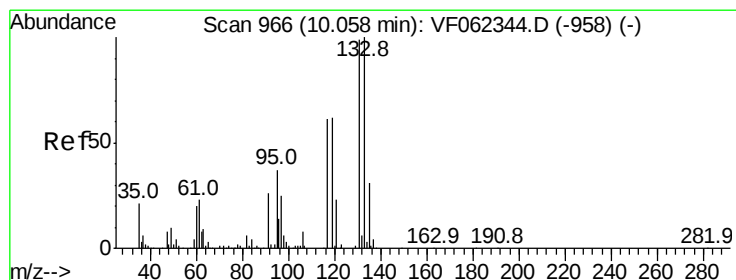
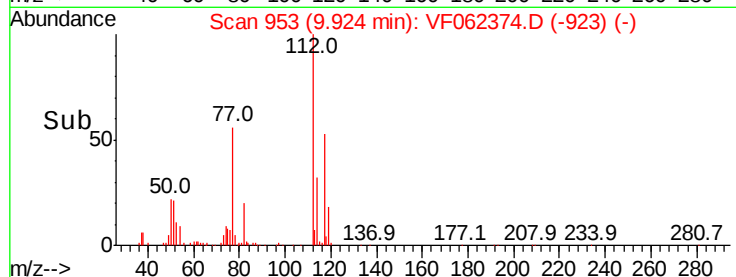
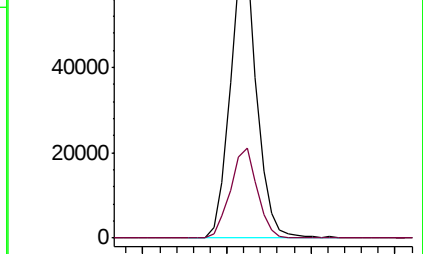
114 31.8 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.92



#66

1,1,1,2-Tetrachloroethane

Concen: 20.715 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

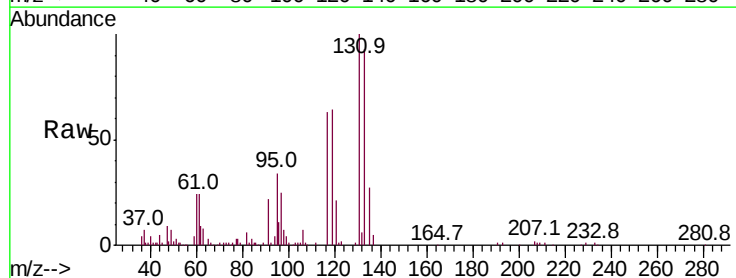
Tgt Ion:131 Resp: 69272

Ion Ratio Lower Upper

131 100

133 98.6 50.2 150.7

119 66.9 31.6 95.0

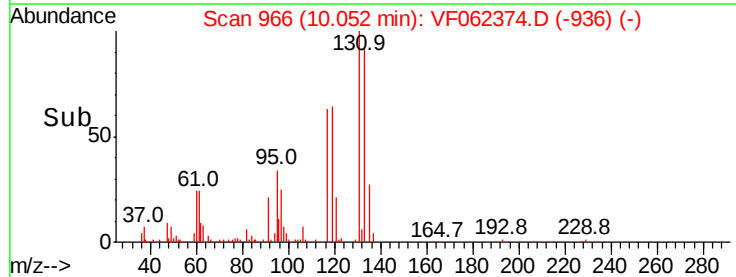
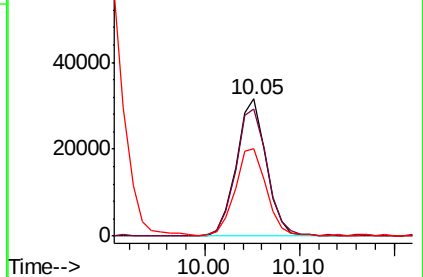


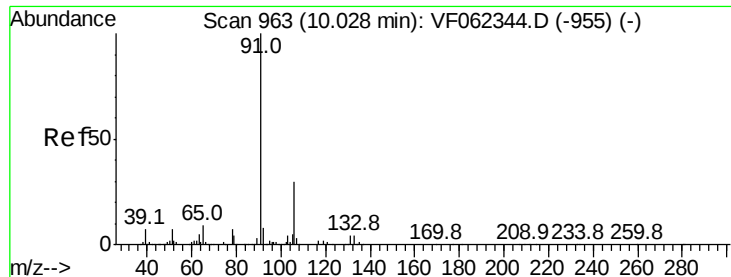
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.05





#67

Ethyl Benzene

Concen: 21.260 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

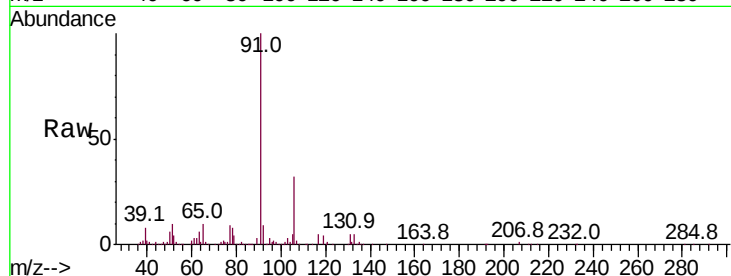
VF0508SBSD01

Tot Ion: 91 Resp: 246781

Ion Ratio Lower Upper

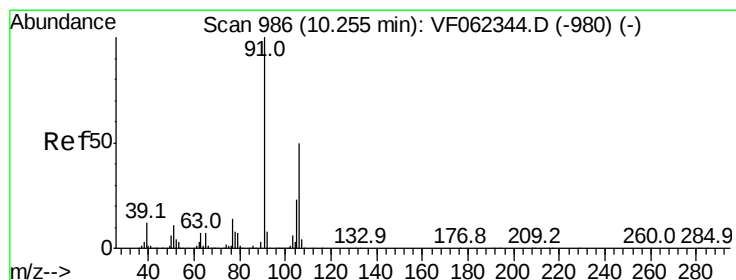
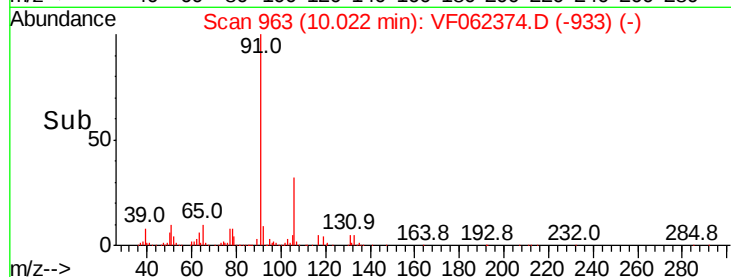
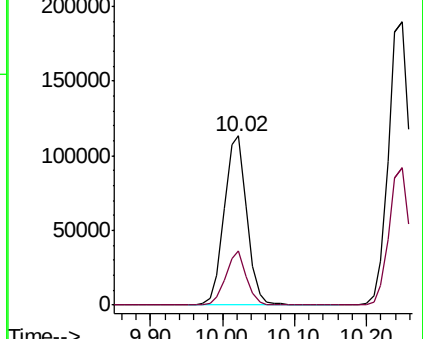
91 100

106 32.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.764 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF062374.D

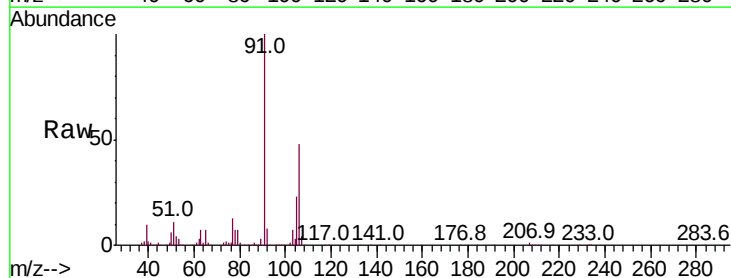
Acq: 8 May 2019 13:48

Tgt Ion: 106 Resp: 191722

Ion Ratio Lower Upper

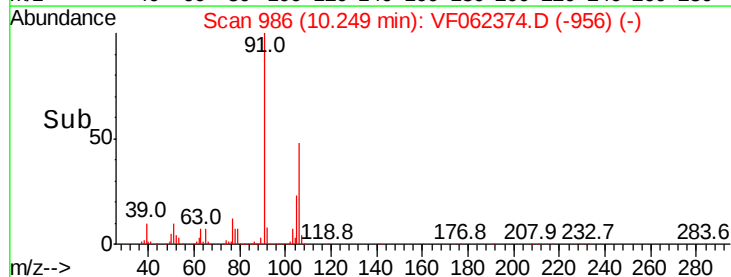
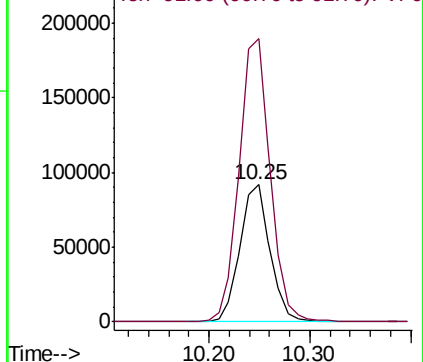
106 100

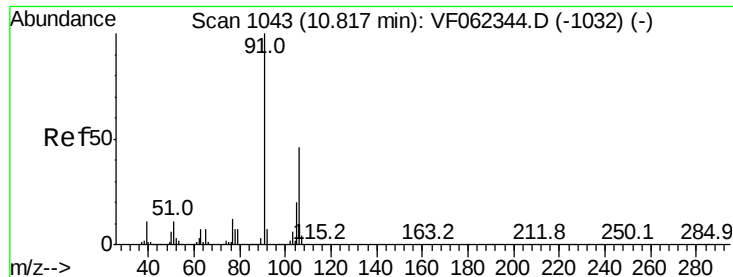
91 212.4 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

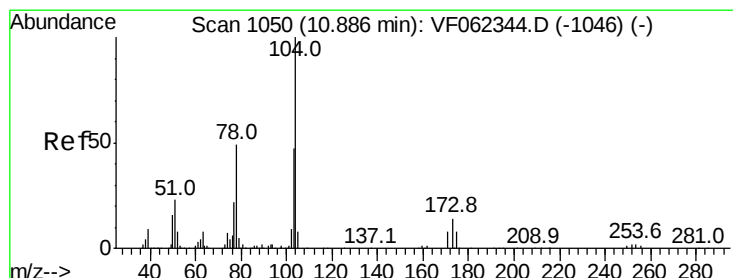
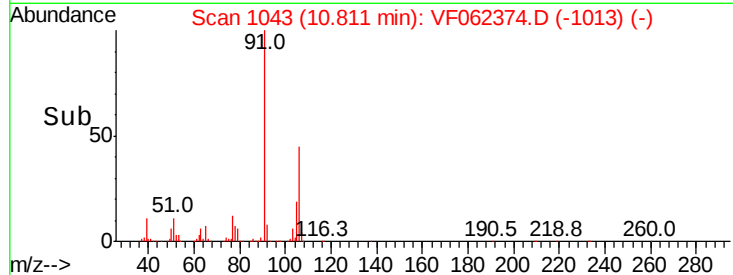
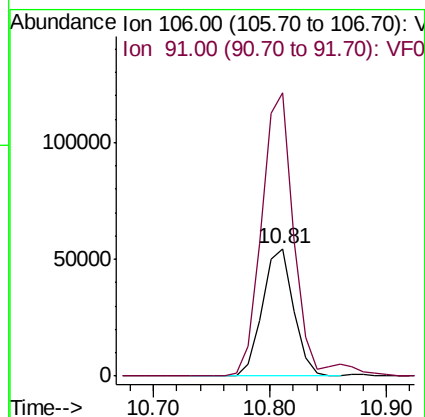
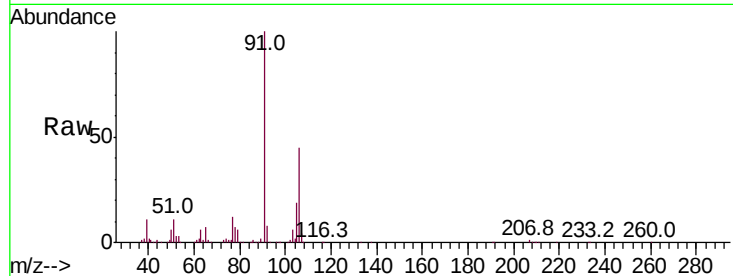




#69
o-Xylene
Concen: 21.987 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

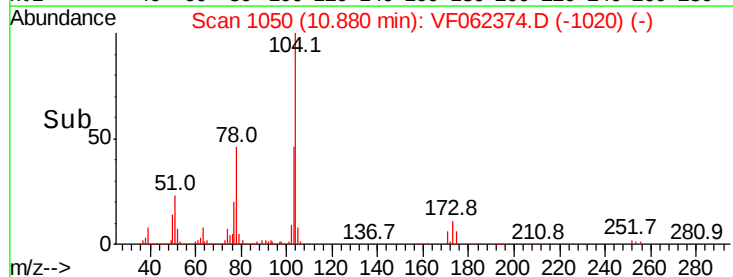
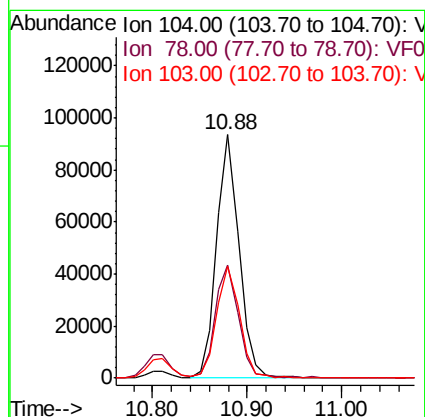
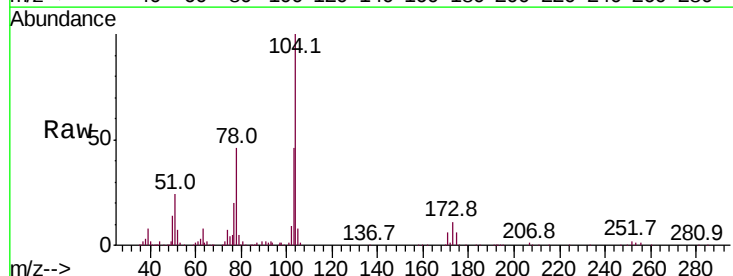
Instrument :
MSVOA_F
ClientSampled :
VF0508SBS01

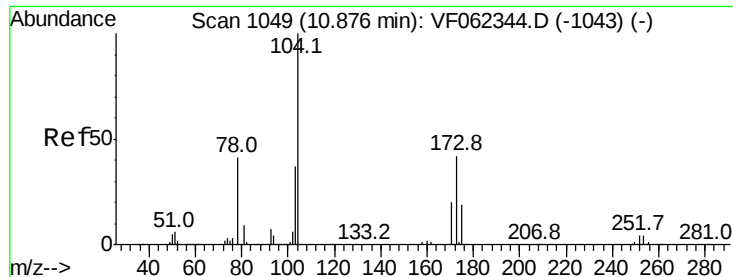
Tot Ion:106 Resp: 101758
Ion Ratio Lower Upper
106 100
91 223.3 111.3 333.8



#70
Styrene
Concen: 22.354 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion:104 Resp: 155048
Ion Ratio Lower Upper
104 100
78 48.0 39.5 59.3
103 47.7 38.4 57.6





#71

Bromoform

Concen: 19.550 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

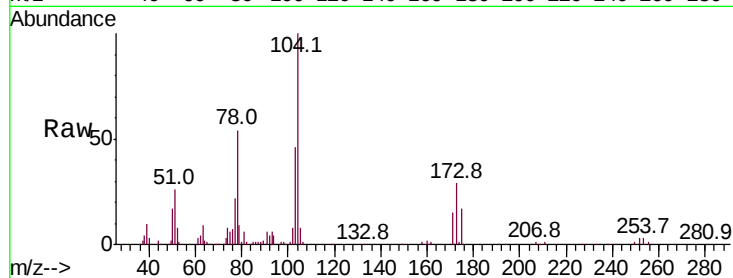
Tot Ion:173 Resp: 35818

Ion Ratio Lower Upper

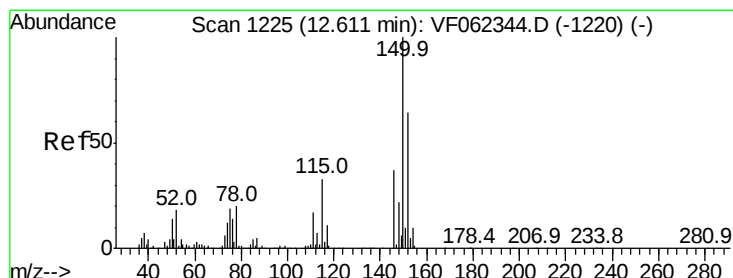
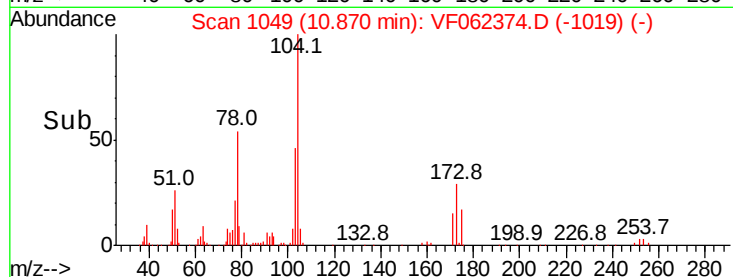
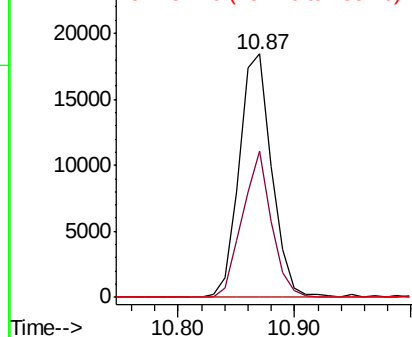
173 100

175 53.5 23.8 71.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

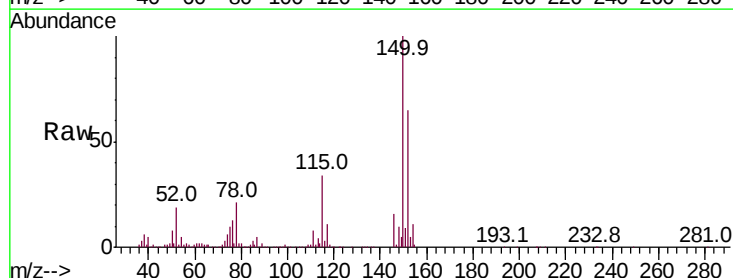
Tgt Ion:152 Resp: 245440

Ion Ratio Lower Upper

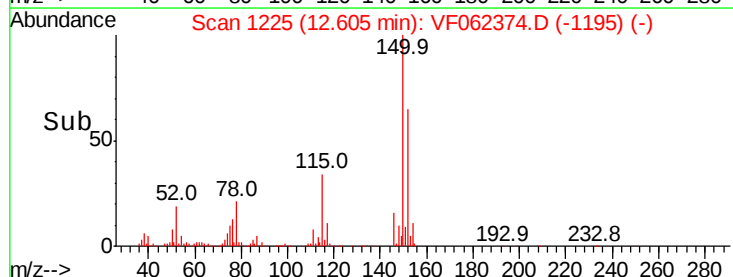
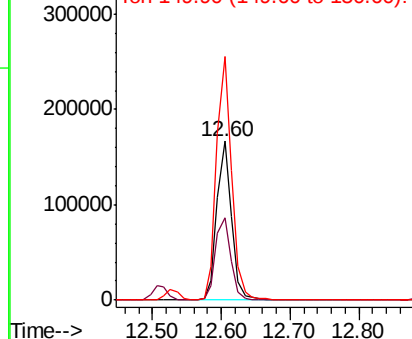
152 100

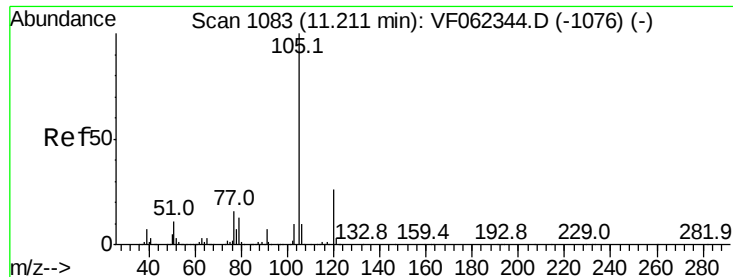
115 54.4 26.4 79.2

150 158.3 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.471 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

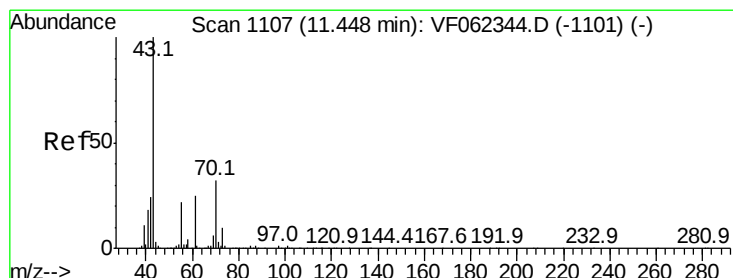
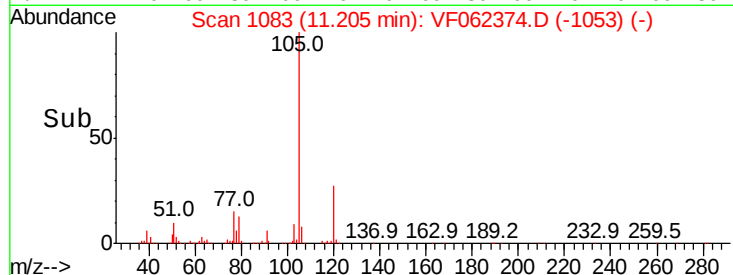
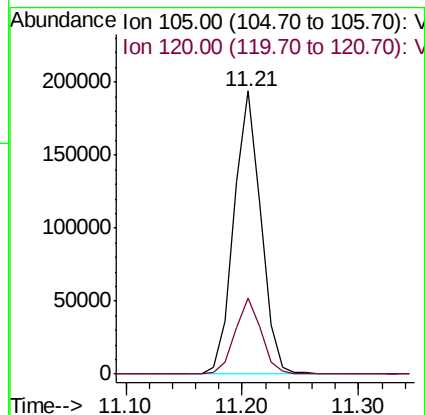
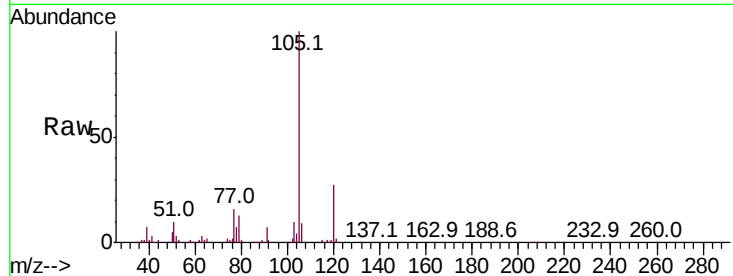
VF0508SBSD01

Tot Ion:105 Resp: 312417

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.0



#74

N-ethyl acetate

Concen: 23.248 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Tgt Ion: 43 Resp: 72623

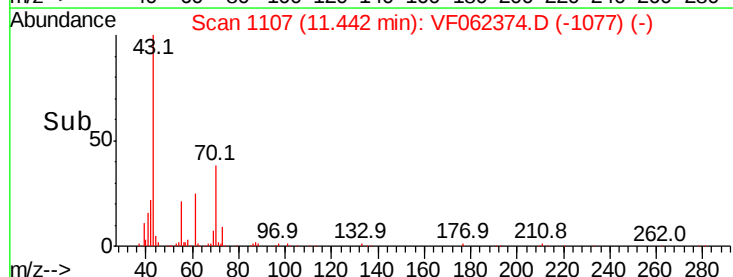
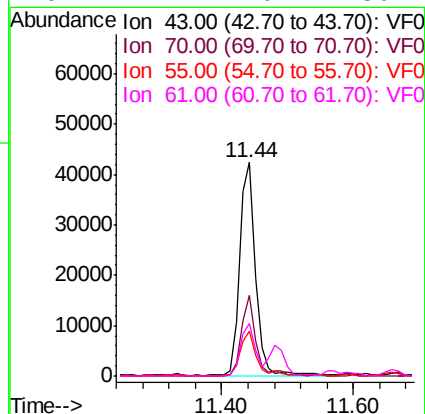
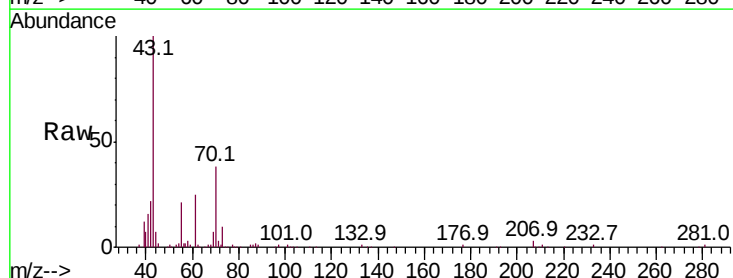
Ion Ratio Lower Upper

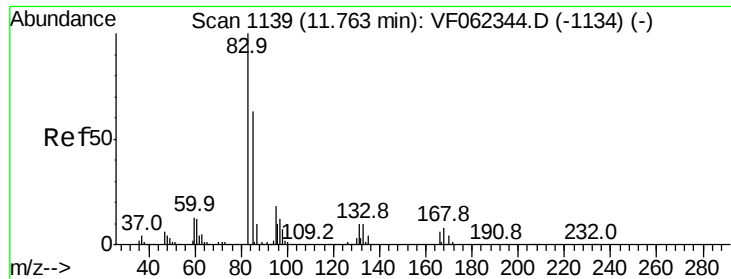
43 100

70 35.0 26.5 39.7

55 21.2 17.8 26.6

61 22.7 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.914 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

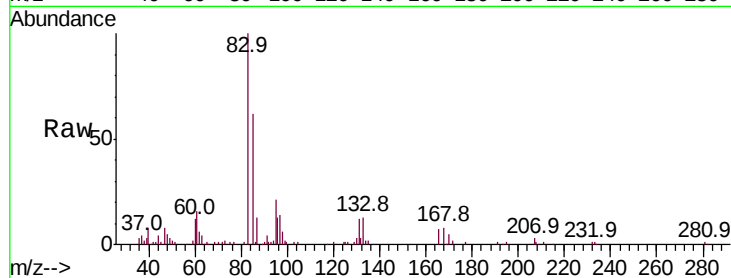
MSVOA_F

ClientSampleId :

VF0508SBSD01

Tot Ion: 83 Resp: 45369

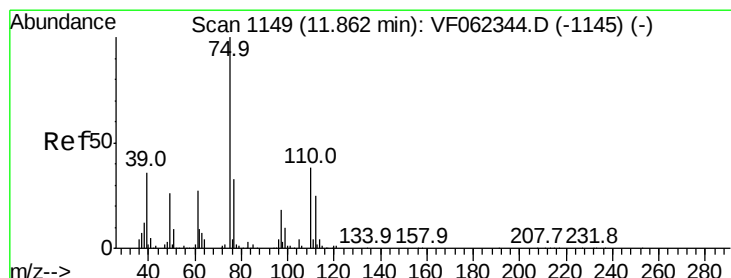
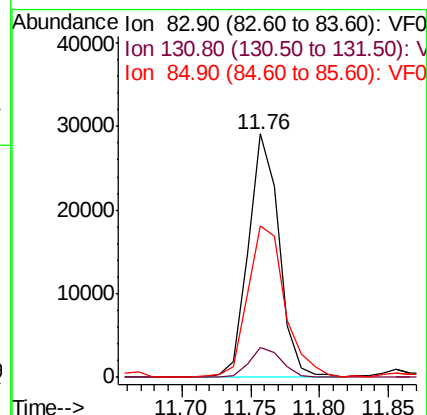
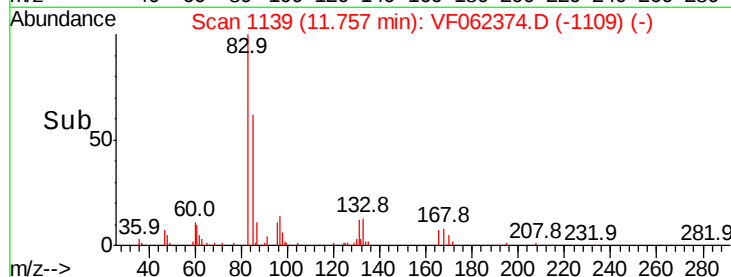
Ion	Ratio	Lower	Upper
83	100		
131	13.0	5.8	17.4
85	76.1	35.3	105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 20.656 ug/l

RT: 11.86 min Scan# 1149

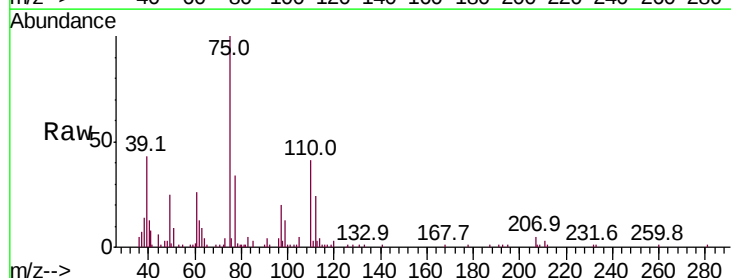
Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

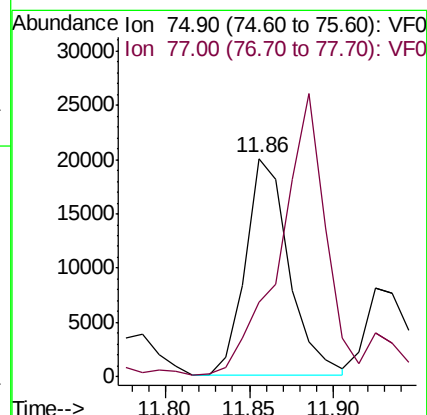
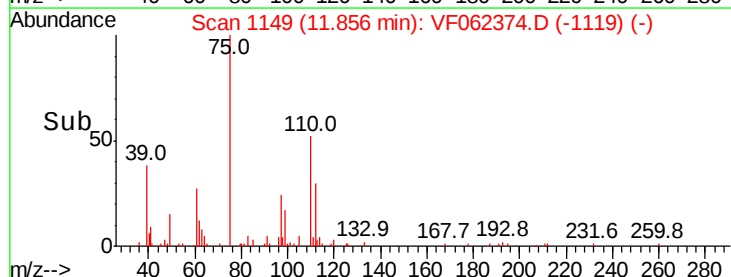
Tgt Ion: 75 Resp: 35903

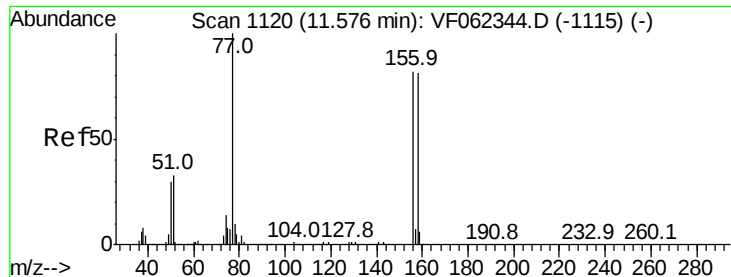
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.319 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

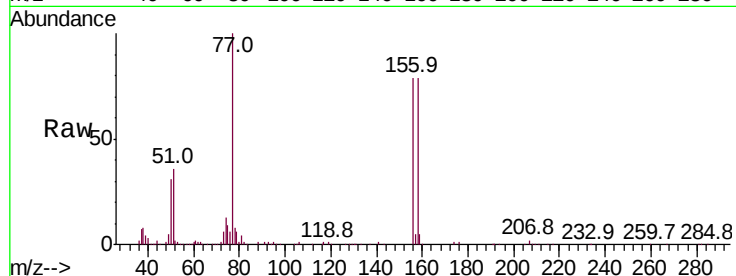
Tot Ion:156 Resp: 81414

Ion Ratio Lower Upper

156 100

77 125.8 64.8 194.3

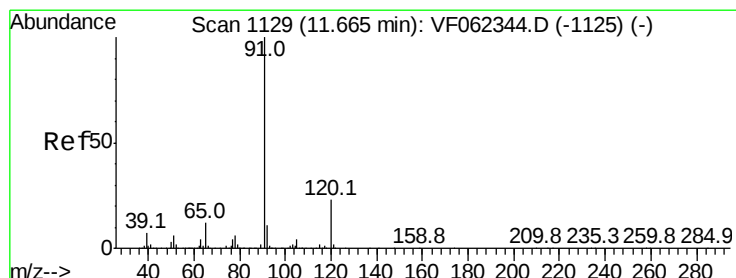
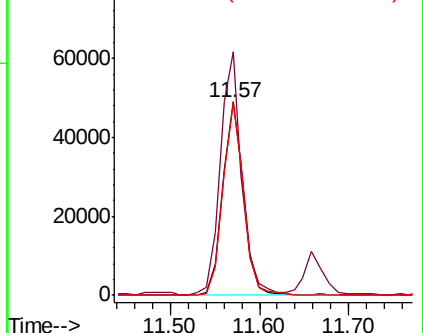
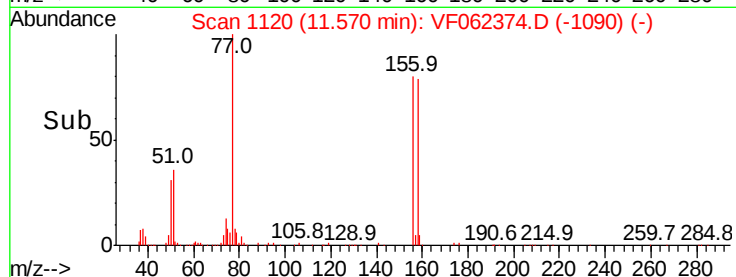
158 98.3 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.259 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062374.D

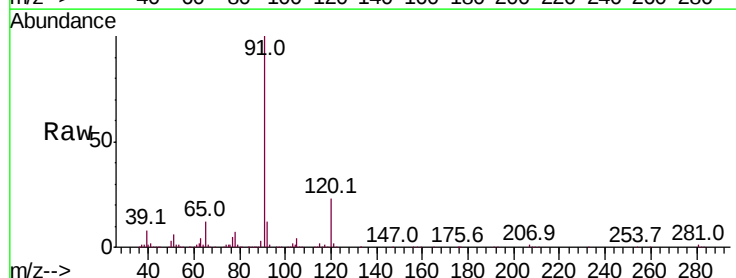
Acq: 8 May 2019 13:48

Tgt Ion: 91 Resp: 344821

Ion Ratio Lower Upper

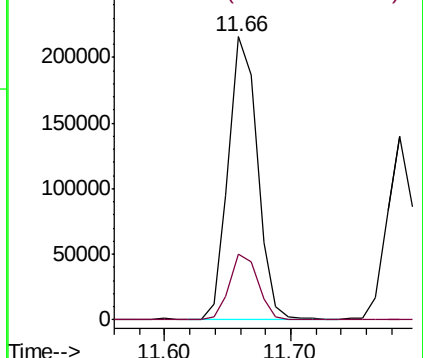
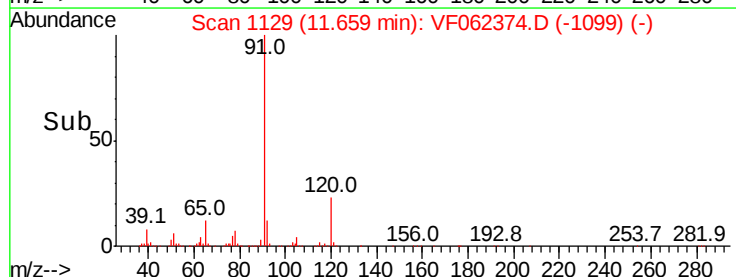
91 100

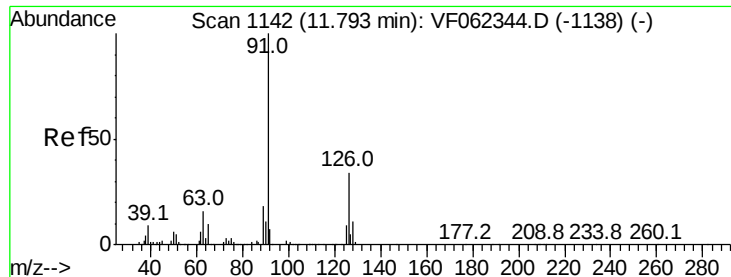
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.829 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

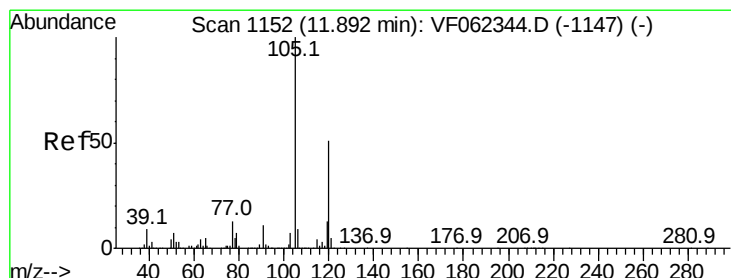
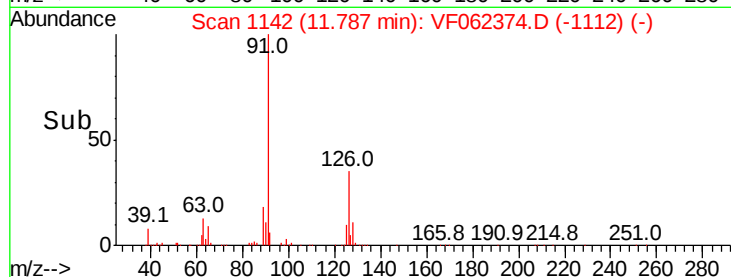
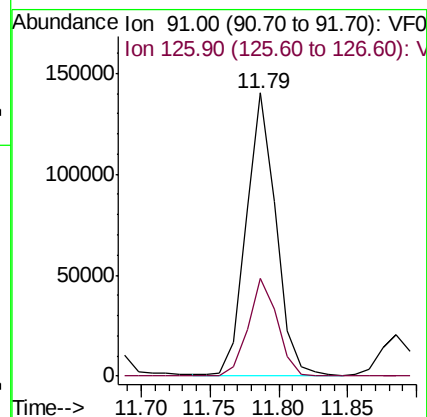
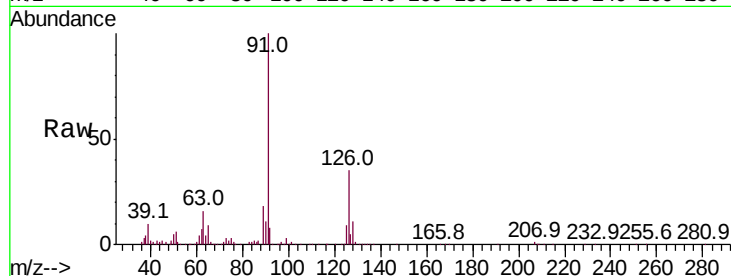
VF0508SBSD01

Tot Ion: 91 Resp: 210274

Ion Ratio Lower Upper

91 100

126 34.3 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.724 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062374.D

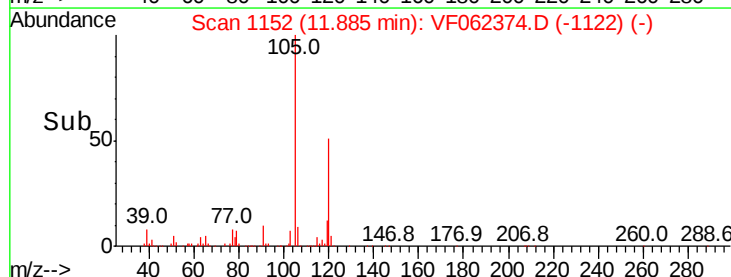
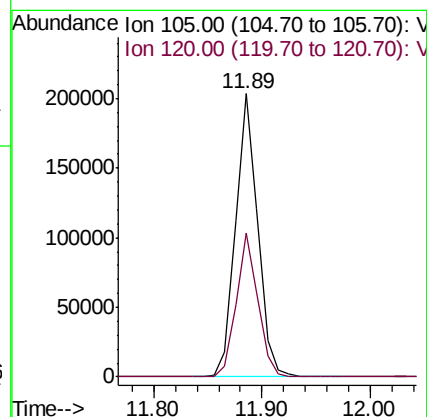
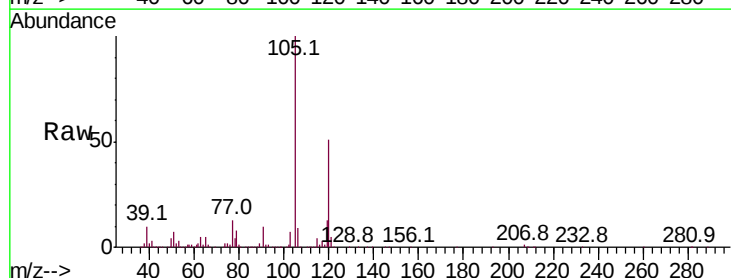
Acq: 8 May 2019 13:48

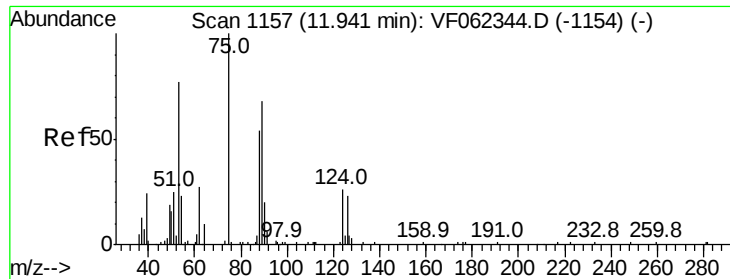
Tgt Ion: 105 Resp: 289811

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.310 ug/l m

RT: 11.92 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

VF0508SBS01

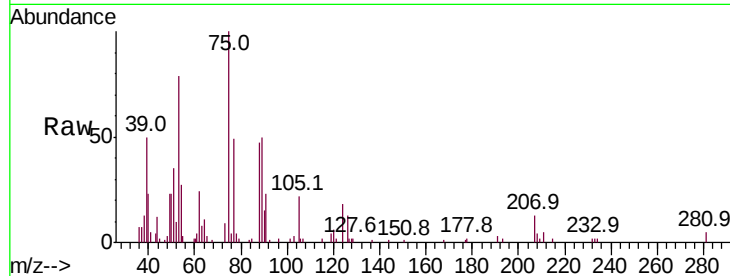
Tot Ion: 75 Resp: 13270

Ion Ratio Lower Upper

75 100

53 87.0 71.9 107.9

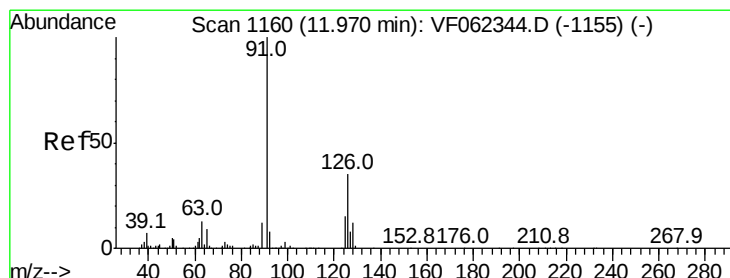
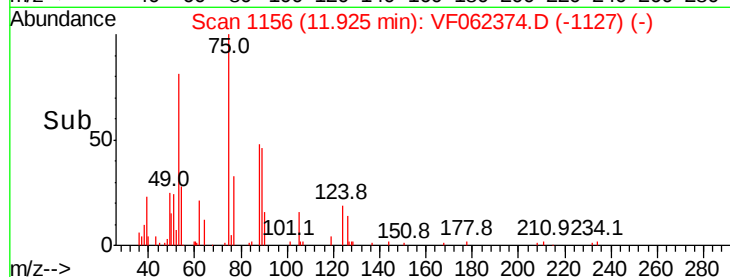
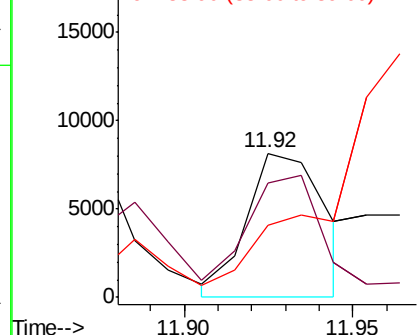
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 21.978 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062374.D

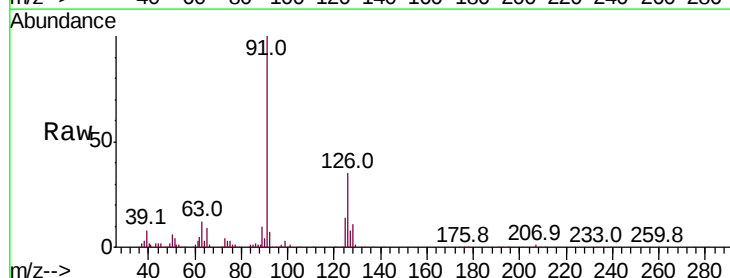
Acq: 8 May 2019 13:48

Tgt Ion: 91 Resp: 209101

Ion Ratio Lower Upper

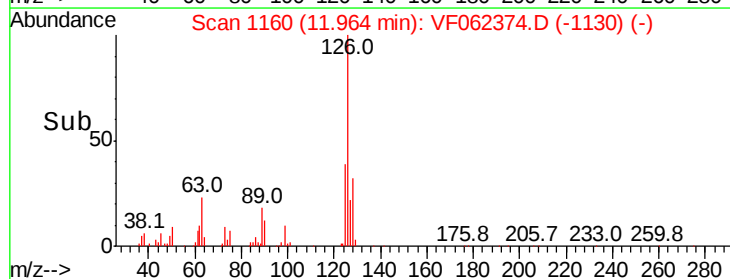
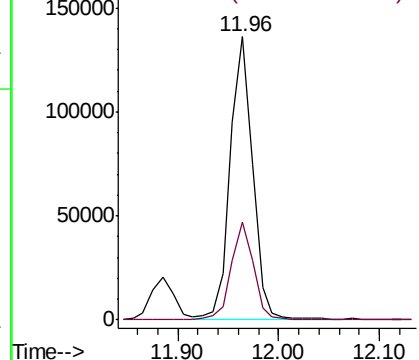
91 100

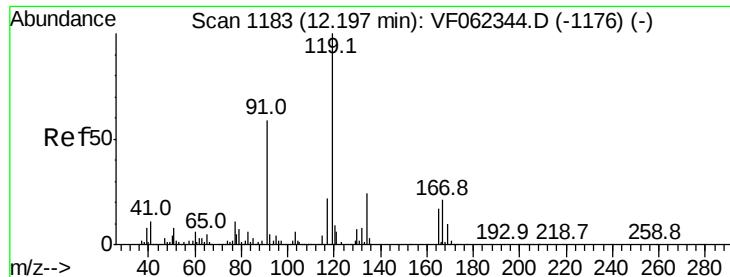
126 34.8 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 22.003 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

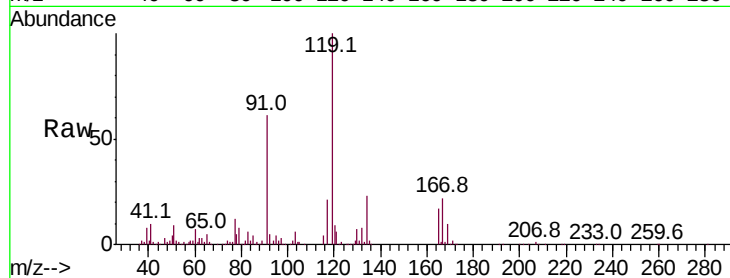
Tot Ion:119 Resp: 294916

Ion Ratio Lower Upper

119 100

91 60.2 30.4 91.3

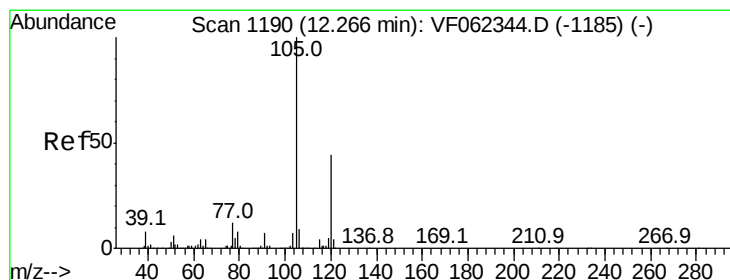
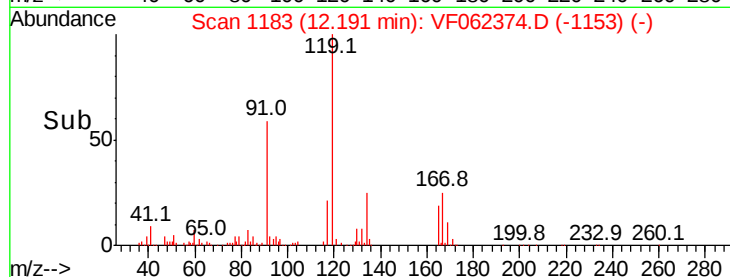
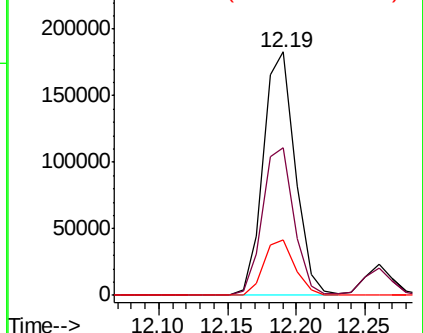
134 22.4 11.9 35.7



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: 21.619 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062374.D

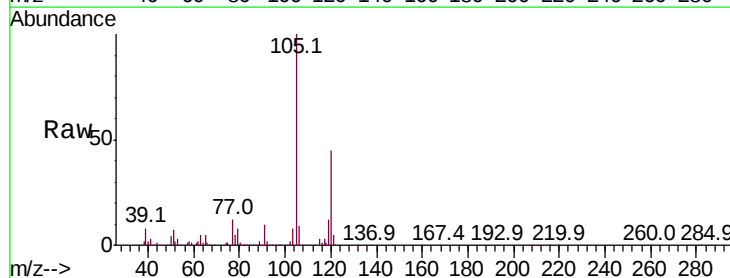
Acq: 8 May 2019 13:48

Tgt Ion:105 Resp: 269819

Ion Ratio Lower Upper

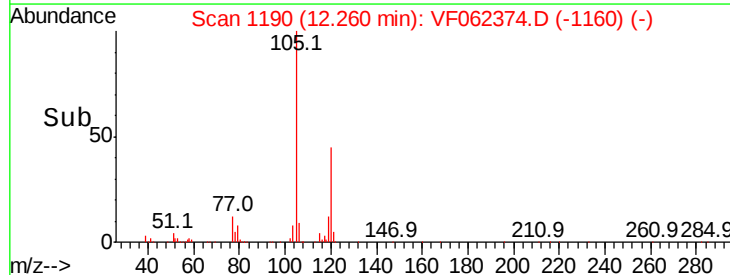
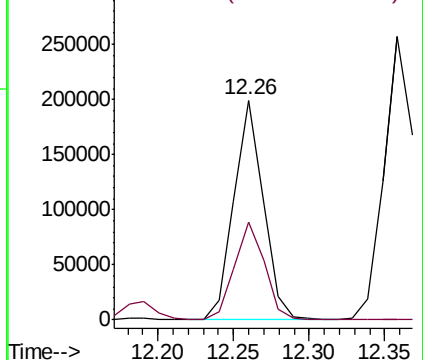
105 100

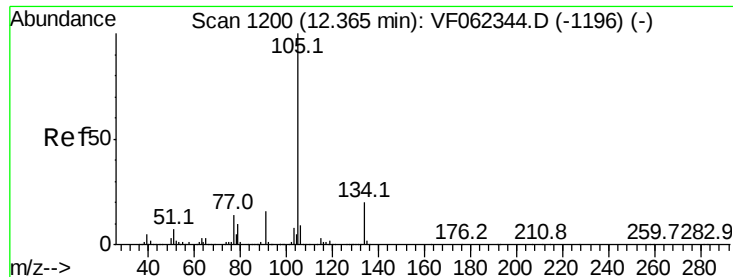
120 45.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.470 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

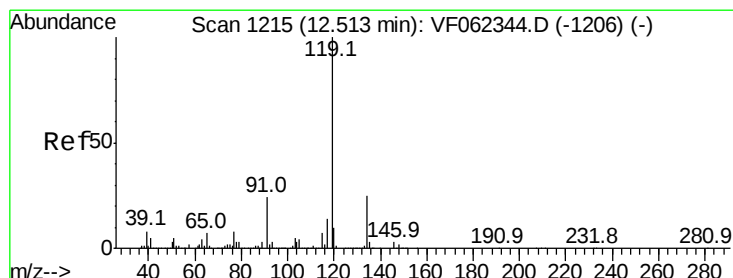
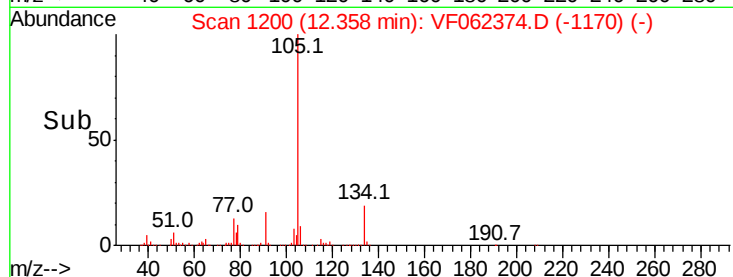
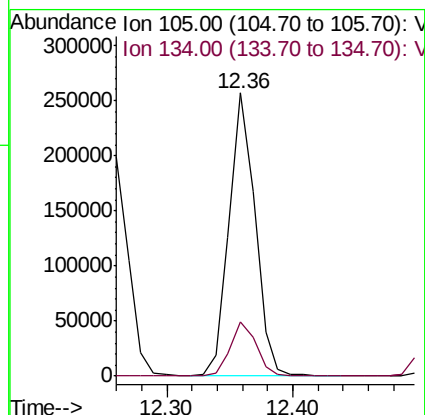
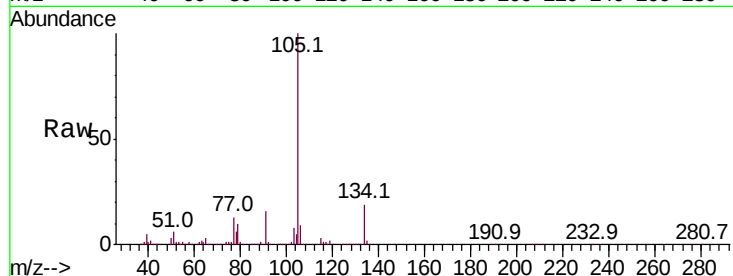
VF0508SBS01

Tot Ion:105 Resp: 366580

Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.5



#86

p-Isopropyltoluene

Concen: 22.340 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

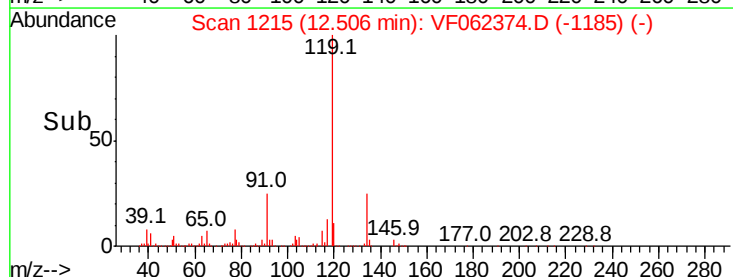
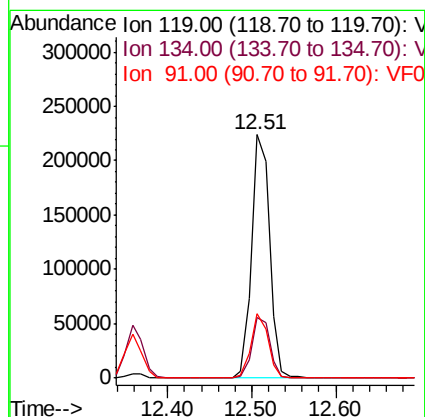
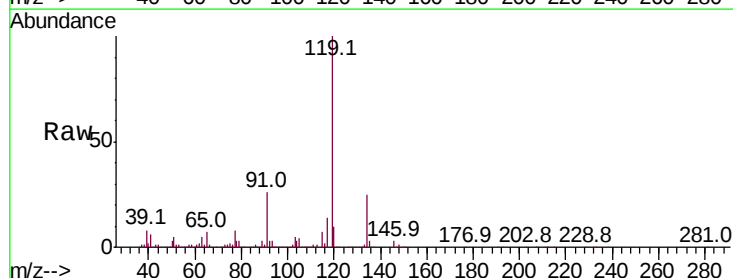
Tgt Ion:119 Resp: 338624

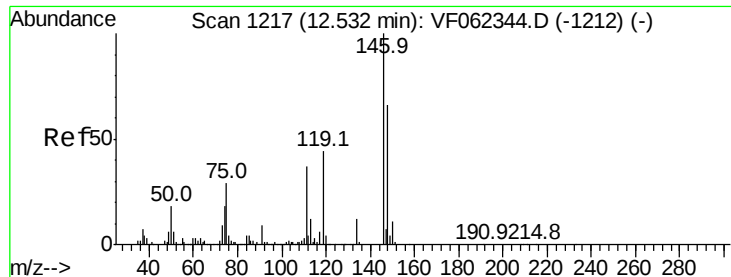
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 25.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 22.491 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

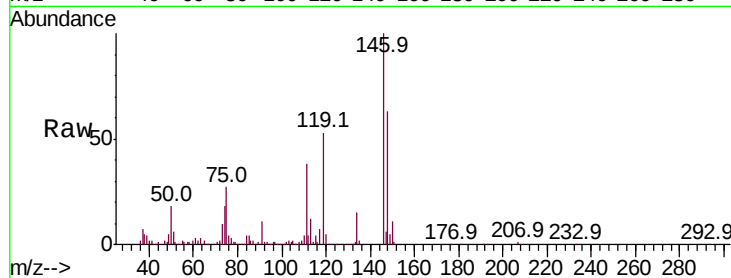
Tot Ion:146 Resp: 156862

Ion Ratio Lower Upper

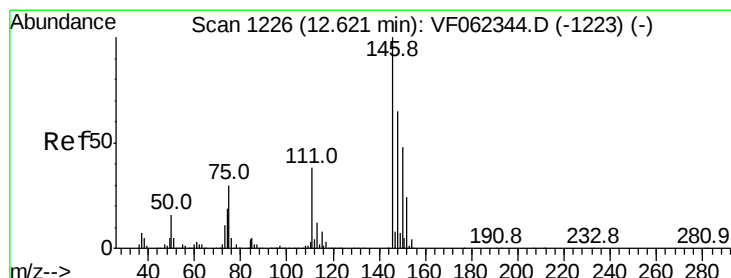
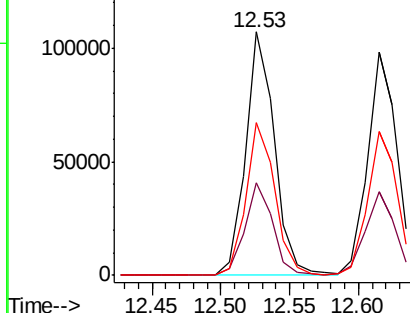
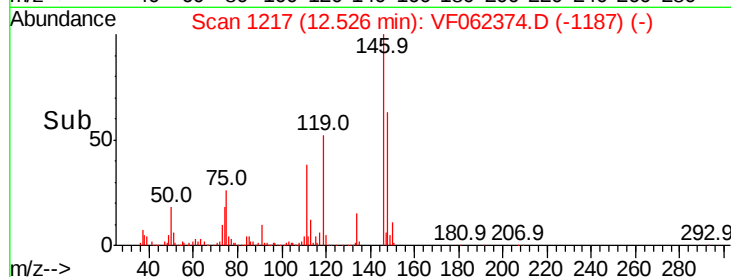
146 100

111 36.9 18.3 54.8

148 63.0 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.904 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

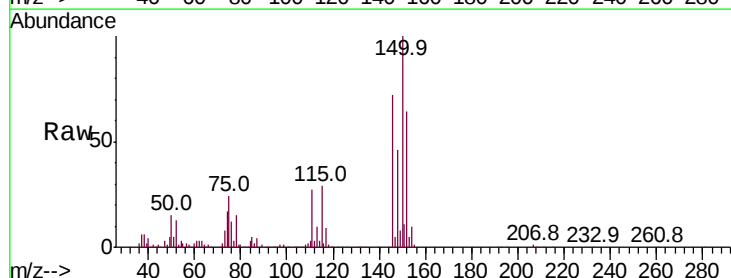
Tgt Ion:146 Resp: 147444

Ion Ratio Lower Upper

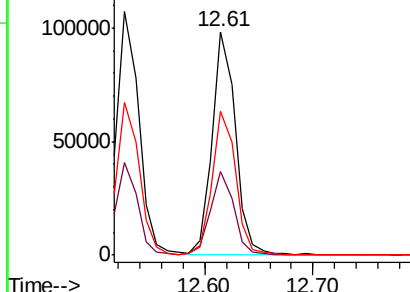
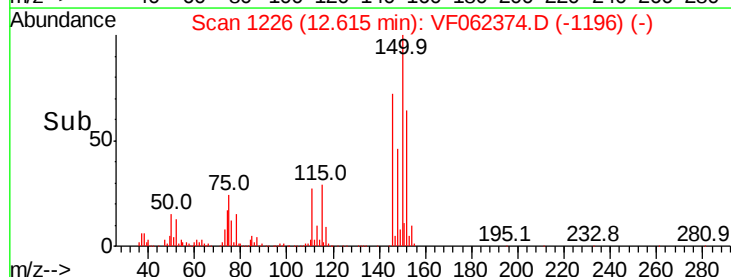
146 100

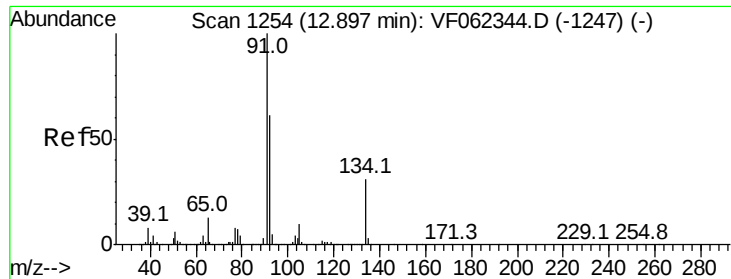
111 37.9 18.8 56.3

148 65.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.257 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

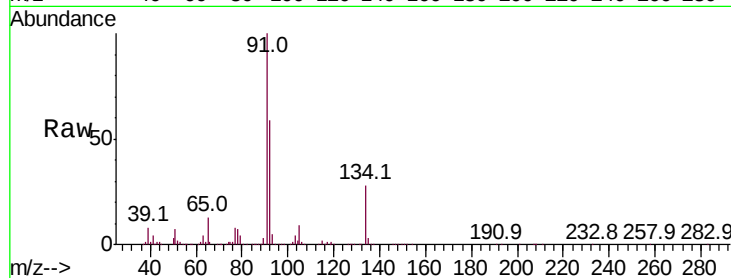
Tot Ion: 91 Resp: 300141

Ion Ratio Lower Upper

91 100

92 58.5 30.0 90.0

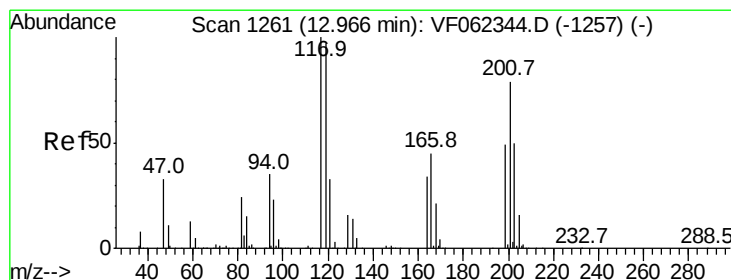
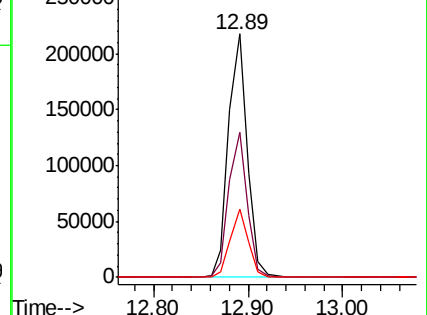
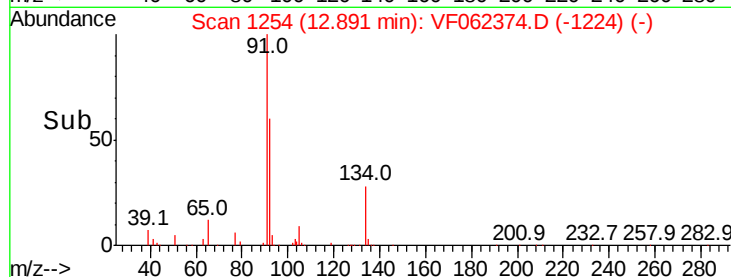
134 26.9 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.701 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062374.D

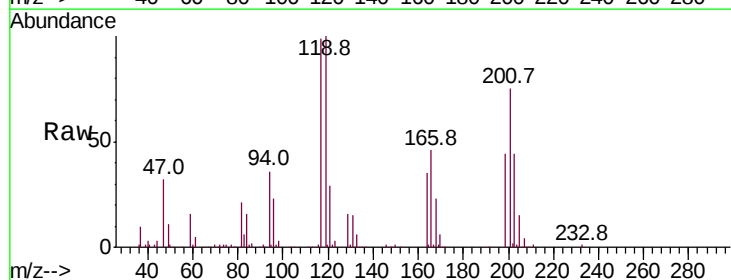
Acq: 8 May 2019 13:48

Tgt Ion: 117 Resp: 78344

Ion Ratio Lower Upper

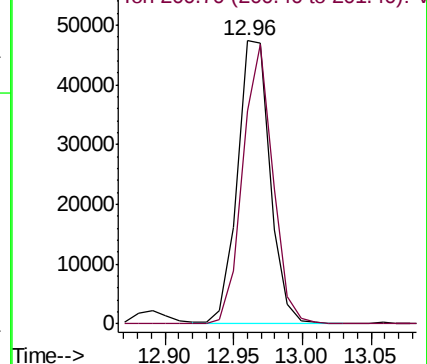
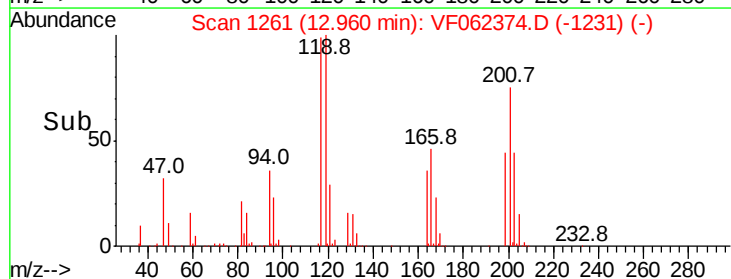
117 100

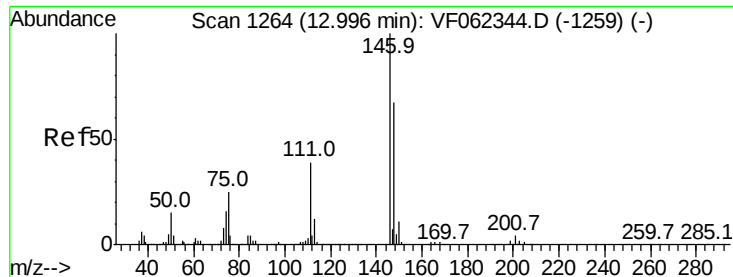
201 90.9 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.453 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBSD01

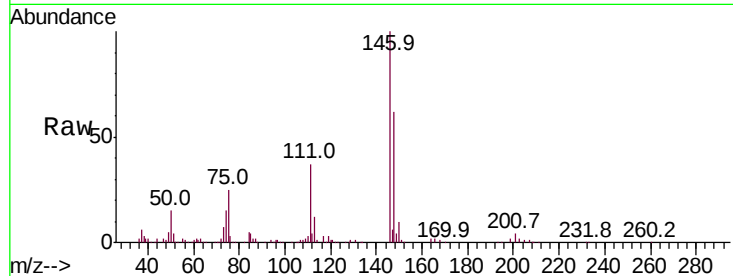
Tot Ion:146 Resp: 151569

Ion Ratio Lower Upper

146 100

111 38.4 20.0 60.0

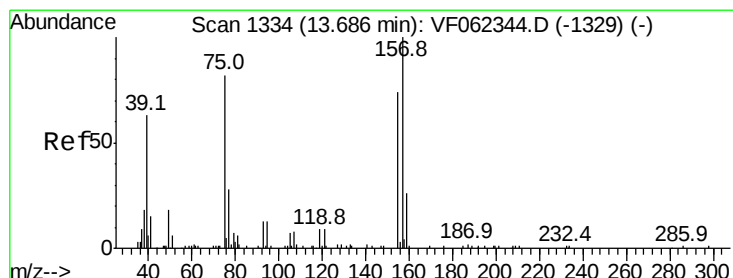
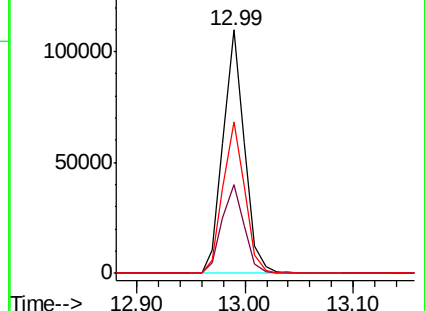
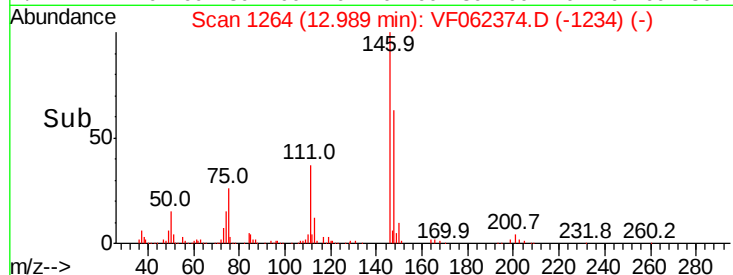
148 64.0 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.250 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062374.D

Acq: 8 May 2019 13:48

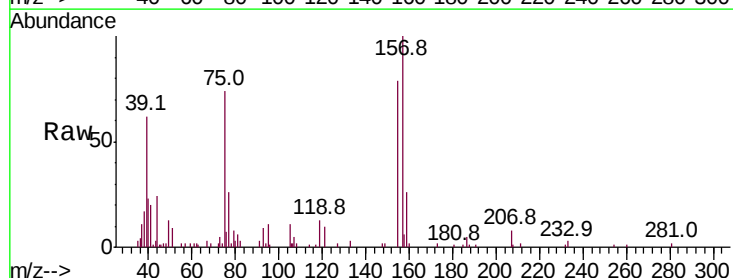
Tgt Ion: 75 Resp: 10846

Ion Ratio Lower Upper

75 100

155 95.2 51.8 155.4

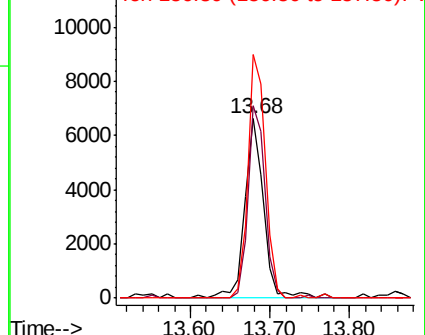
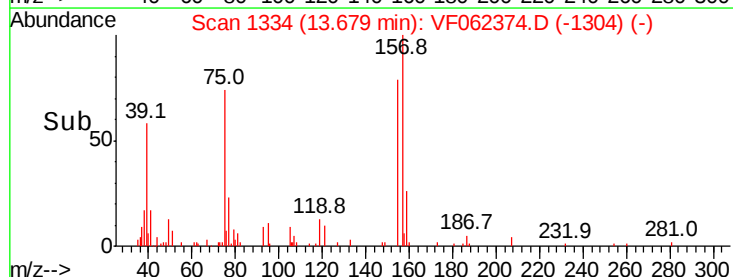
157 123.0 67.3 201.8

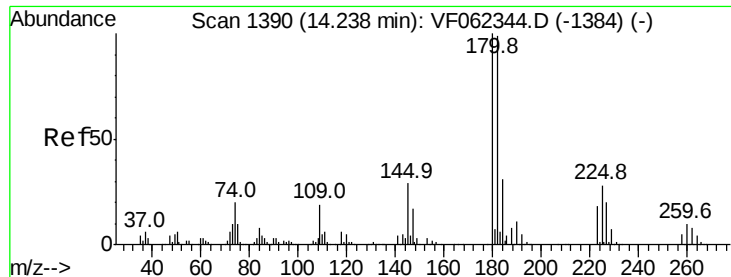


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

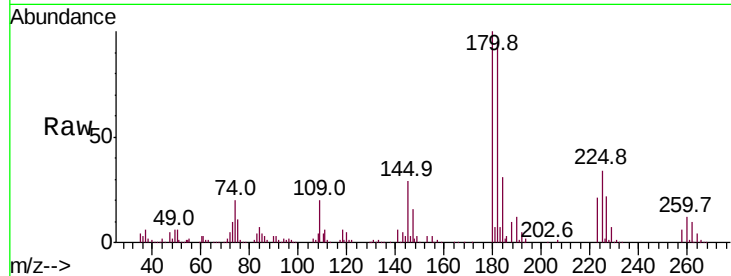




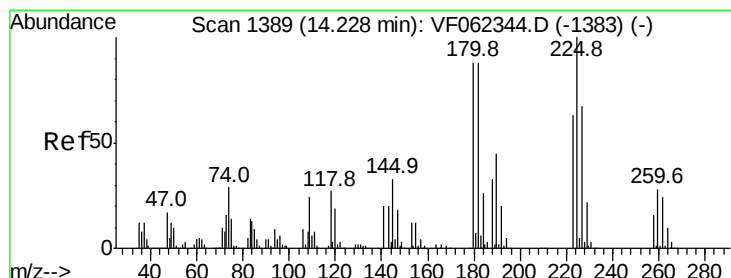
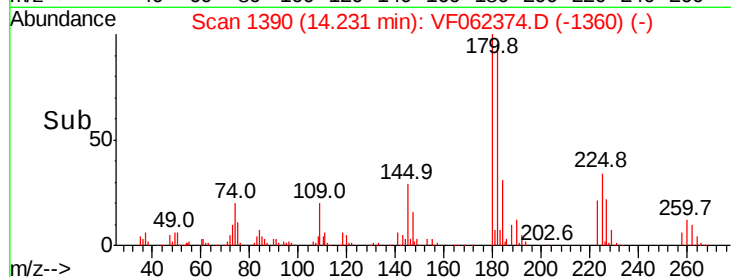
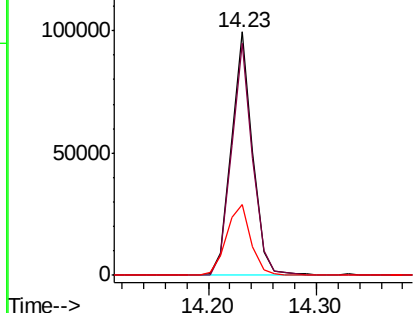
#93
 1,2,4-Trichlorobenzene
 Concen: 22.439 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.0	147.0
145	33.2	16.7	50.1

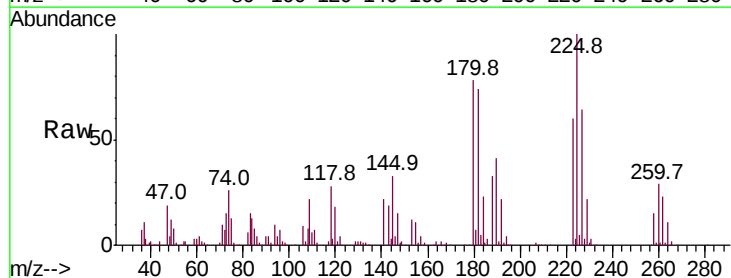


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

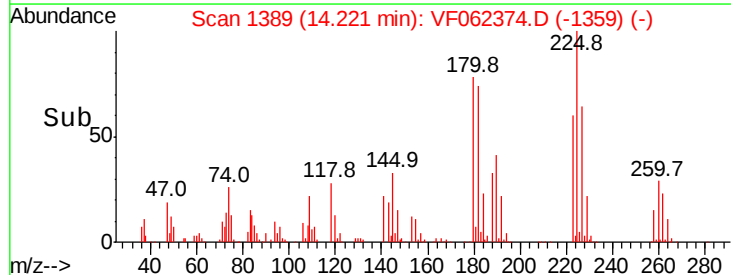
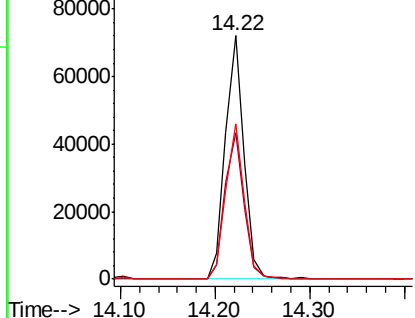


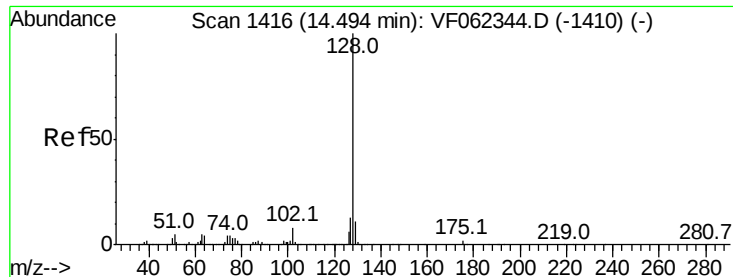
#94
 Hexachlorobutadiene
 Concen: 21.701 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062374.D
 Acq: 8 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.5
227	63.0	33.1	99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

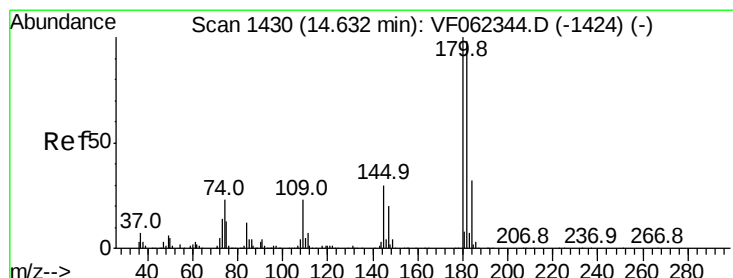
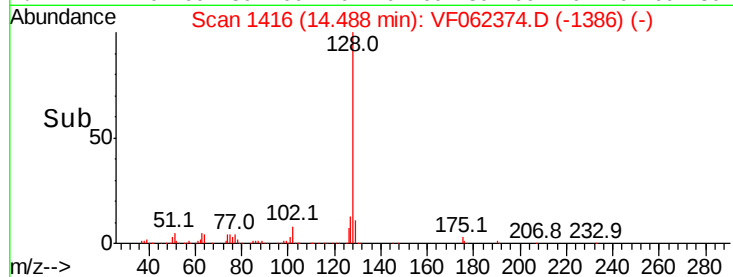
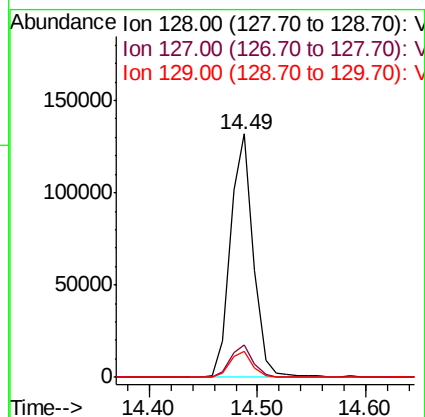
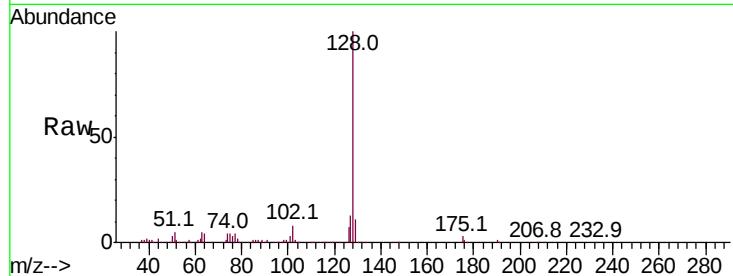




#95
Naphthalene
Concen: 21.275 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBSD01

Tot Ion:128 Resp: 193665
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.739 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062374.D
Acq: 8 May 2019 13:48

Tgt Ion:180 Resp: 127521
Ion Ratio Lower Upper
180 100
182 95.7 49.4 148.0
145 29.1 14.8 44.3

