

Data File : VF062076.D
Acq On : 22 Mar 2019 11:04
Operator : VA/AP
Sample : VSTDIC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Quant Time: Mar 23 00:45:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	290251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	436226	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	358960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	194075	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	22893	10.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.20%	
35) Dibromofluoromethane	4.15	113	32234	10.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.84%	
50) Toluene-d8	7.59	98	95503	10.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.68%	
62) 4-Bromofluorobenzene	11.44	95	36594	10.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	39415	10.600	ug/l	97
3) Chloromethane	1.11	50	39856	10.244	ug/l	100
4) Vinyl Chloride	1.16	62	35951	9.990	ug/l	94
5) Bromomethane	1.33	94	28856	11.154	ug/l	90
6) Chloroethane	1.41	64	18231	10.063	ug/l #	78
7) Trichlorofluoromethane	1.51	101	33370	7.994	ug/l	84
8) Diethyl Ether	1.64	74	10498	10.574	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.86	101	32383	10.921	ug/l	96
10) Methyl Iodide	1.93	142	45128	8.162	ug/l	98
11) Tert butyl alcohol	2.59	59	6015	50.637	ug/l #	80
12) 1,1-Dichloroethene	1.81	96	30284	10.824	ug/l	86
13) Acrolein	2.03	56	8492	59.315	ug/l	89
14) Allyl chloride	2.12	41	32485	10.875	ug/l	92
15) Acrylonitrile	2.97	53	22087	52.876	ug/l	88
16) Acetone	2.26	43	20697	45.550	ug/l	98
17) Carbon Disulfide	1.85	76	72343	8.651	ug/l	98
18) Methyl Acetate	2.36	43	12511	11.623	ug/l	92
19) Methyl tert-butyl Ether	2.45	73	47434	10.727	ug/l	93
20) Methylene Chloride	2.21	84	12836	4.229	ug/l	92
21) trans-1,2-Dichloroethene	2.32	96	27122	10.431	ug/l	93
22) Diisopropyl ether	2.83	45	87382	11.158	ug/l	98
23) Vinyl Acetate	3.22	43	156187	48.709	ug/l	99
24) 1,1-Dichloroethane	2.90	63	50266	10.703	ug/l	98
25) 2-Butanone	4.38	43	48917	51.569	ug/l	97
26) 2,2-Dichloropropane	3.63	77	20045	10.527	ug/l	97
27) cis-1,2-Dichloroethene	3.51	96	37650	10.555	ug/l	97
28) Bromochloromethane	3.75	49	19247	10.030	ug/l	87
29) Tetrahydrofuran	4.12	42	21158	51.302	ug/l	95
30) Chloroform	3.89	83	54022	10.884	ug/l	94
31) Cyclohexane	3.71	56	29967	6.502	ug/l	92
32) 1,1,1-Trichloroethane	4.13	97	29344	9.719	ug/l	99
36) 1,1-Dichloropropene	4.32	75	45861	11.037	ug/l	98
37) Ethyl Acetate	4.15	43	17878	9.845	ug/l	94
38) Carbon Tetrachloride	4.02	117	31212	11.021	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	49778	10.322	ug/l	98
40) Benzene	4.67	78	121399	10.899	ug/l	97
41) Methacrylonitrile	4.78	41	10250	10.668	ug/l #	94
42) 1,2-Dichloroethane	4.98	62	27998	10.629	ug/l	98
43) Isopropyl Acetate	7.00	43	23737	10.794	ug/l #	90
44) Trichloroethene	5.54	130	38388	11.272	ug/l	95
45) 1,2-Dichloropropane	6.27	63	27859	10.486	ug/l	95
46) Dibromomethane	6.12	93	16465	10.136	ug/l #	82
47) Bromodichloromethane	6.42	83	38313	10.648	ug/l	95
48) Methyl methacrylate	6.74	41	12426	9.924	ug/l	90
49) 1,4-Dioxane	6.74	88	1990	181.125	ug/l #	52
51) 4-Methyl-2-Pentanone	8.29	43	80999	55.030	ug/l	100
52) Toluene	7.66	92	70624	10.947	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	29720	10.522	ug/l	92
54) cis-1,3-Dichloropropene	7.33	75	44047	10.899	ug/l	92
55) 1,1,2-Trichloroethane	8.52	97	19130	10.439	ug/l	98
56) Ethyl methacrylate	8.66	69	22631	10.355	ug/l	91
57) 1,3-Dichloropropane	8.89	76	31389	10.320	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	15684	47.292	ug/l	95
59) 2-Hexanone	9.52	43	58111	53.868	ug/l	98
60) Dibromochloromethane	8.75	129	24632	9.669	ug/l	99
61) 1,2-Dibromoethane	9.02	107	19760	10.107	ug/l	91
64) Tetrachloroethene	8.18	164	31754	11.450	ug/l	89
65) Chlorobenzene	9.83	112	71984	10.718	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.97	131	30697	11.378	ug/l	92
67) Ethyl Benzene	9.93	91	129861	11.118	ug/l	100
68) m/p-Xylenes	10.16	106	96394	22.080	ug/l	90
69) o-Xylene	10.74	106	50152	10.968	ug/l	100
70) Styrene	10.81	104	75967	10.966	ug/l	98
71) Bromoform	10.80	173	14481	10.494	ug/l #	93
73) Isopropylbenzene	11.15	105	147722	10.817	ug/l	96
74) N-amyl acetate	11.40	43	34610	10.636	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.72	83	23978	10.226	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	17804	10.789	ug/l	97
77) Bromobenzene	11.52	156	36515	10.944	ug/l	95
78) n-propylbenzene	11.61	91	179738	11.335	ug/l	98
79) 2-Chlorotoluene	11.74	91	96590	10.959	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	124116	11.049	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.89	75	9153	10.284	ug/l #	85
82) 4-Chlorotoluene	11.92	91	102769	11.372	ug/l	98
83) tert-Butylbenzene	12.16	119	128026	10.888	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	125193	11.369	ug/l	93
85) sec-Butylbenzene	12.32	105	171727	11.289	ug/l	97
86) p-Isopropyltoluene	12.48	119	147556	11.196	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	69032	11.136	ug/l	94
88) 1,4-Dichlorobenzene	12.59	146	65200	10.779	ug/l	97
89) n-Butylbenzene	12.87	91	144006	11.453	ug/l	94
90) Hexachloroethane	12.93	117	33951	10.819	ug/l	95
91) 1,2-Dichlorobenzene	12.96	146	67851	11.657	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	3327	9.364	ug/l	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032219\
Quantitation Report (Not Reviewed)

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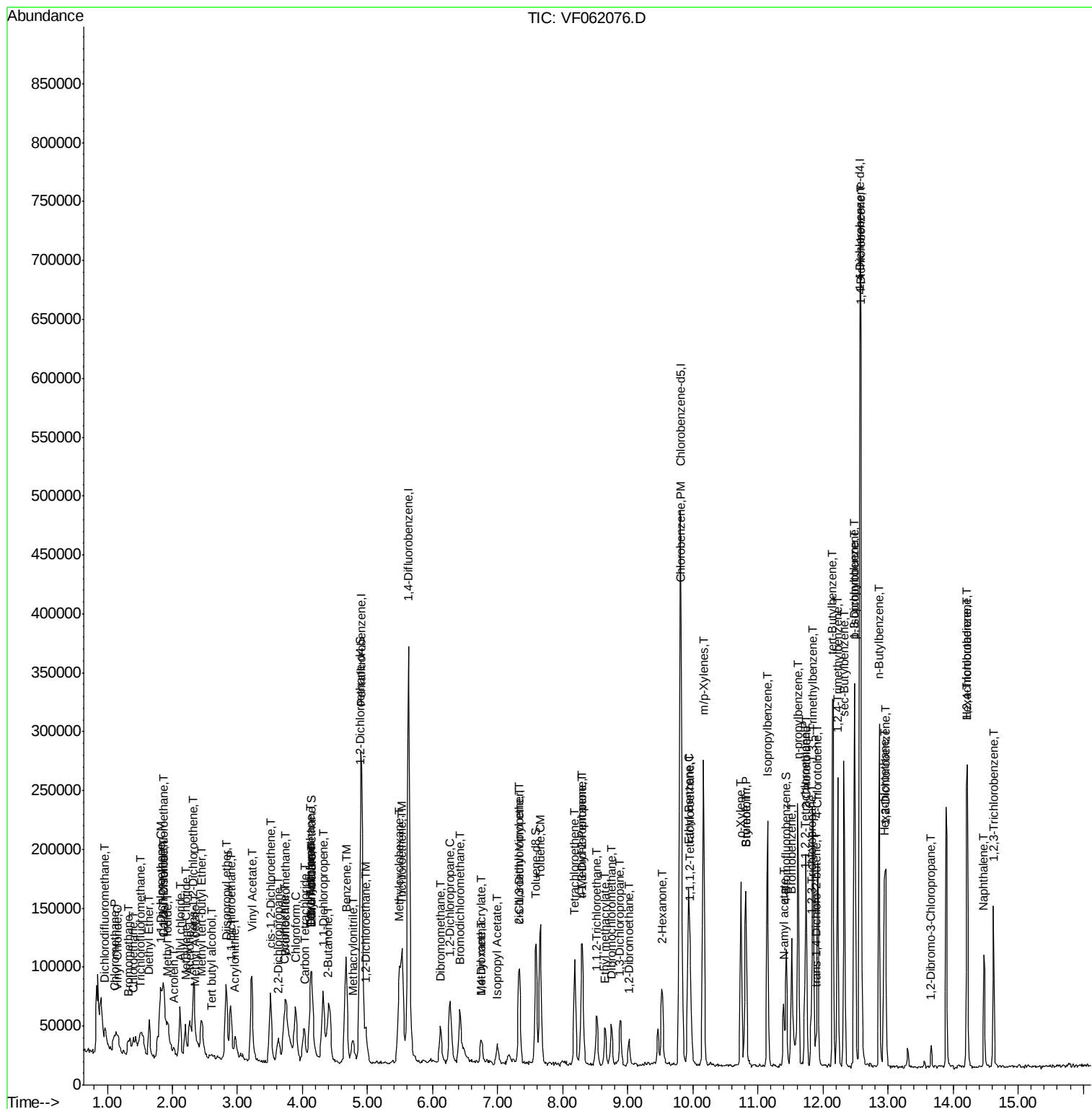
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	46996	11.585	ug/l	95
94) Hexachlorobutadiene	14.21	225	29649	10.992	ug/l	93
95) Naphthalene	14.47	128	70280	9.886	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	40080	10.555	ug/l	95

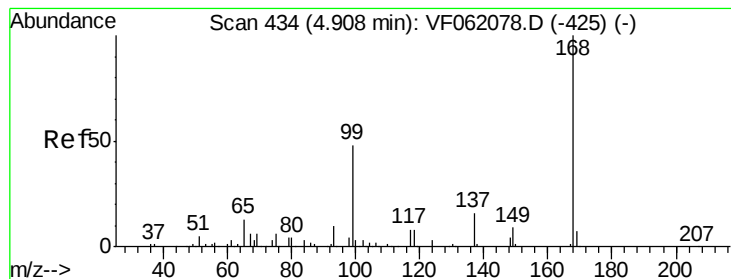
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

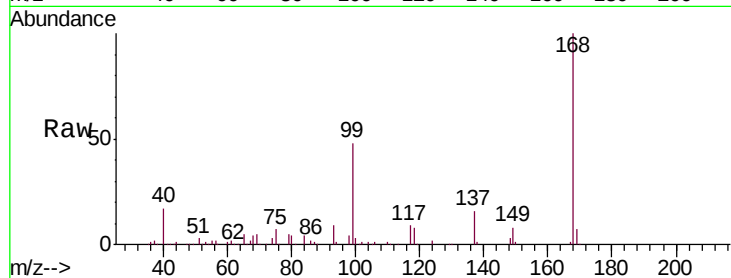
VSTDIC010

Tgt Ion:168 Resp: 290251

Ion Ratio Lower Upper

168 100

99 48.2 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

100000

80000

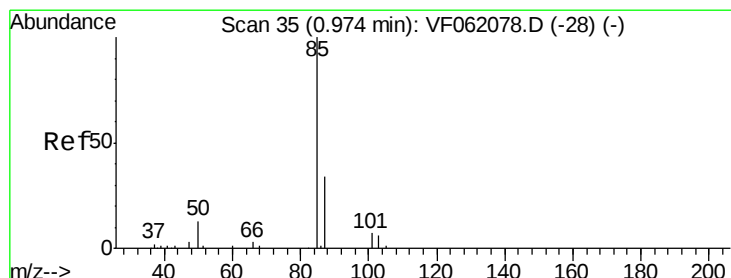
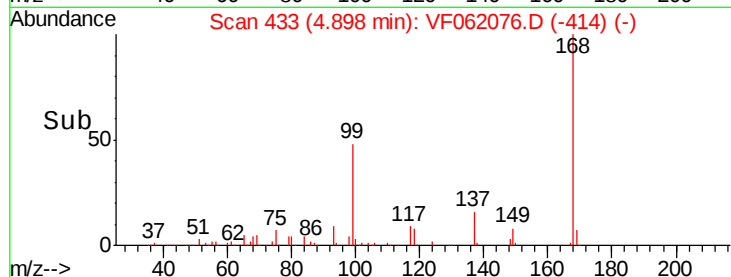
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 10.600 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062076.D

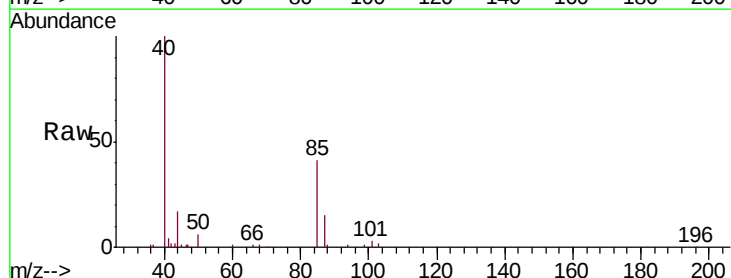
Acq: 22 Mar 2019 11:04

Tgt Ion: 85 Resp: 39415

Ion Ratio Lower Upper

85 100

87 35.9 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

12000

10000

8000

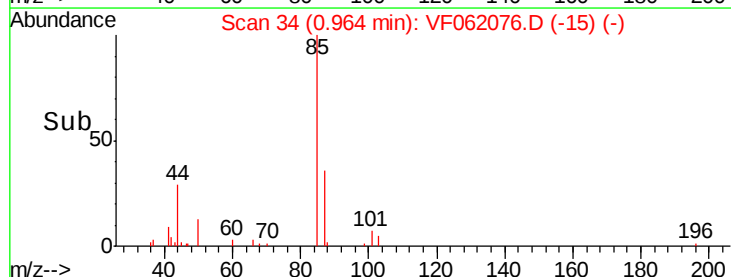
6000

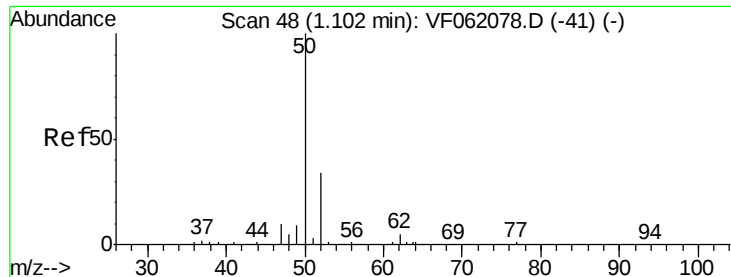
4000

2000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 10.244 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

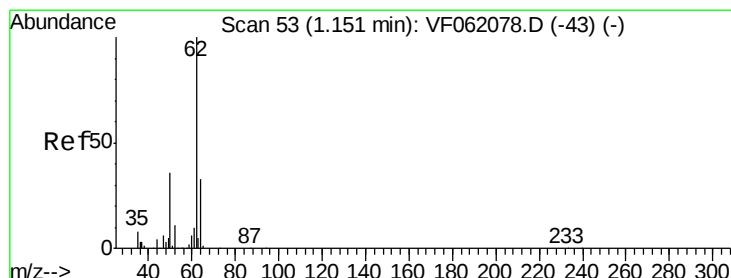
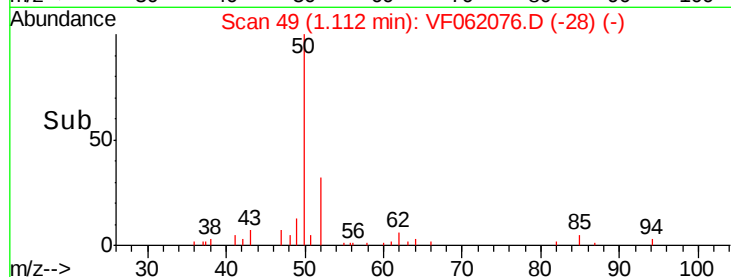
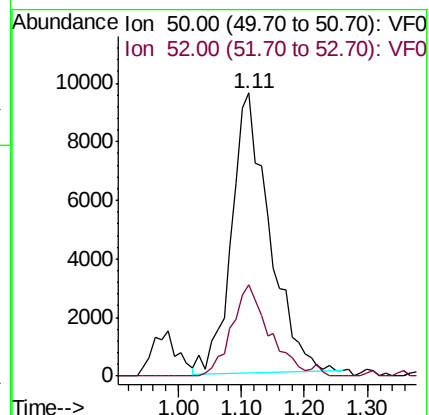
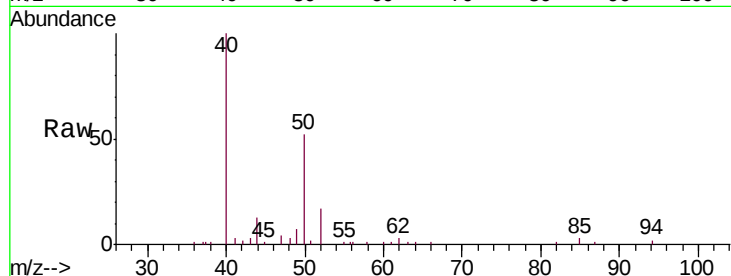
VSTDIC010

Tgt Ion: 50 Resp: 39856

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 9.990 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.01 min

Lab File: VF062076.D

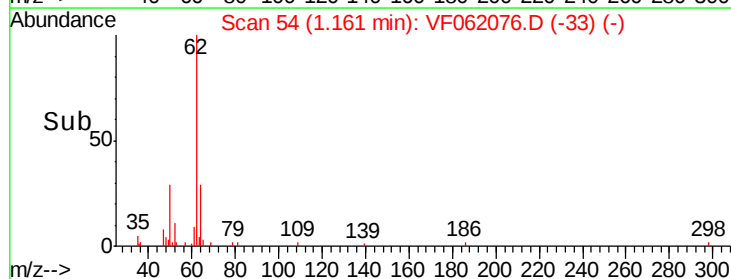
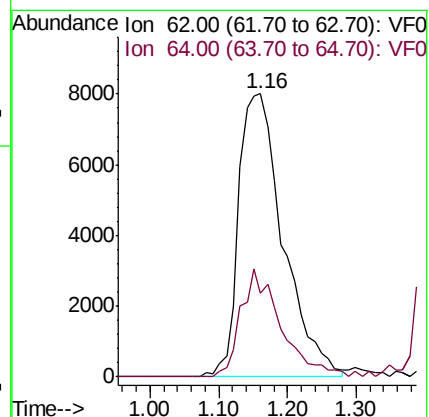
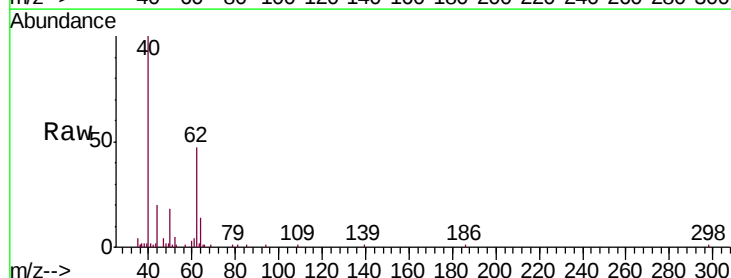
Acq: 22 Mar 2019 11:04

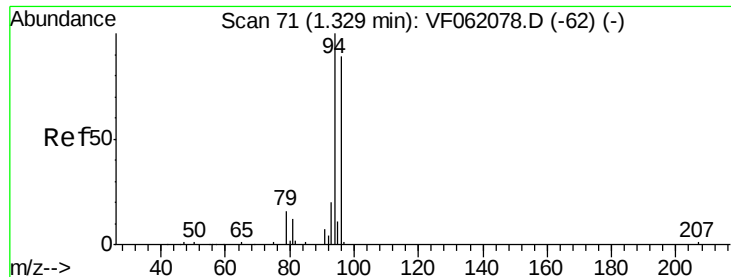
Tgt Ion: 62 Resp: 35951

Ion Ratio Lower Upper

62 100

64 29.5 26.2 39.2





#5

Bromomethane

Concen: 11.154 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

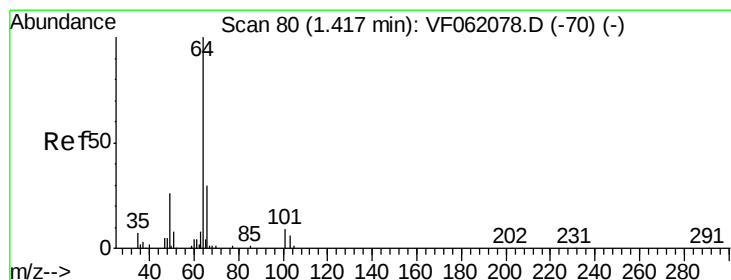
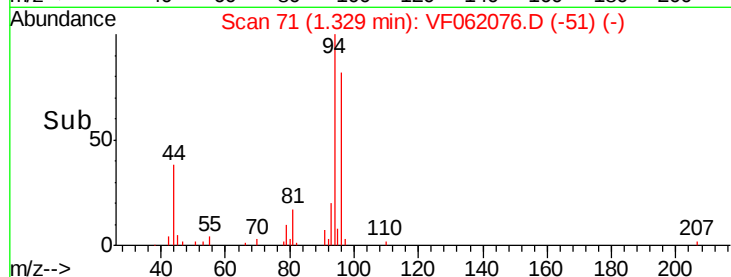
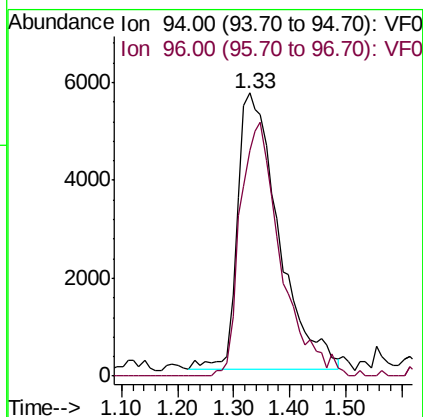
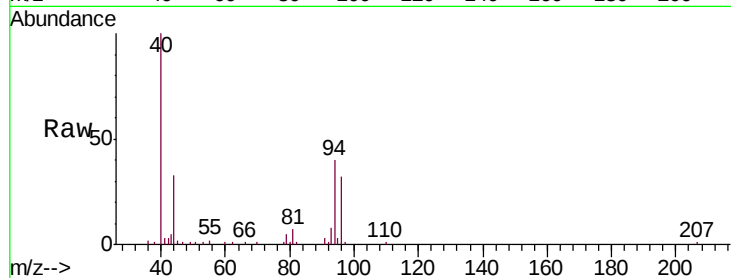
VSTDIC010

Tgt Ion: 94 Resp: 28856

Ion Ratio Lower Upper

94 100

96 79.5 70.9 106.3



#6

Chloroethane

Concen: 10.063 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062076.D

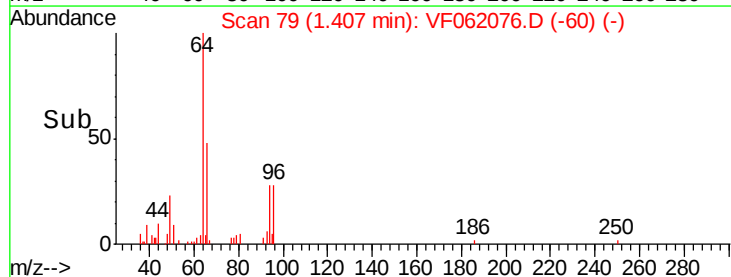
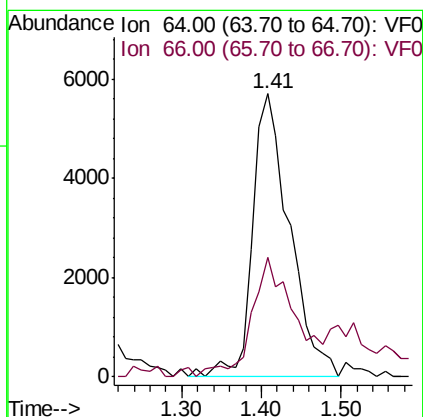
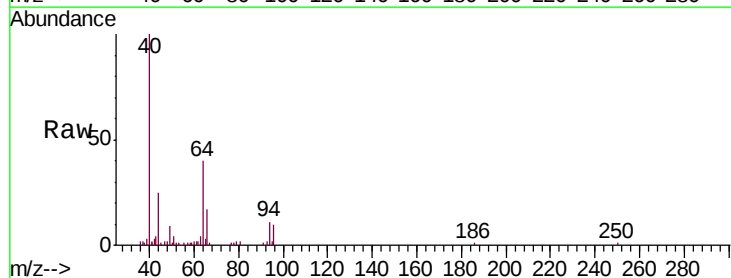
Acq: 22 Mar 2019 11:04

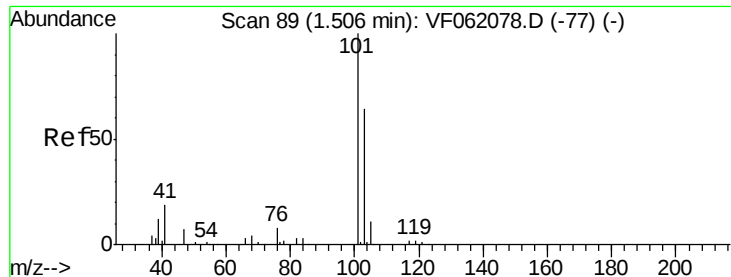
Tgt Ion: 64 Resp: 18231

Ion Ratio Lower Upper

64 100

66 42.4 24.5 36.7#





#7

Trichlorofluoromethane

Concen: 7.994 ug/l

RT: 1.51 min Scan# 89

Delta R.T. 0.00 min

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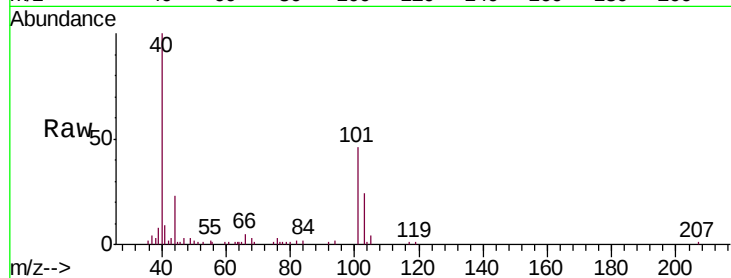
VSTDIC010

Tgt Ion:101 Resp: 33370

Ion Ratio Lower Upper

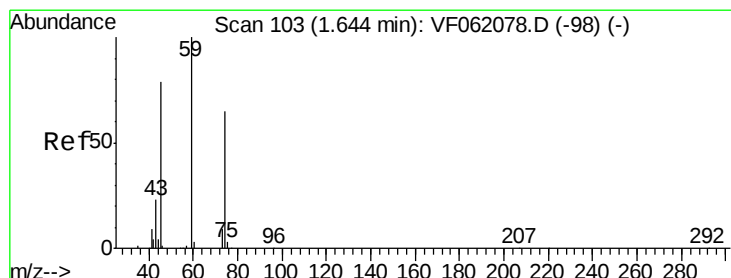
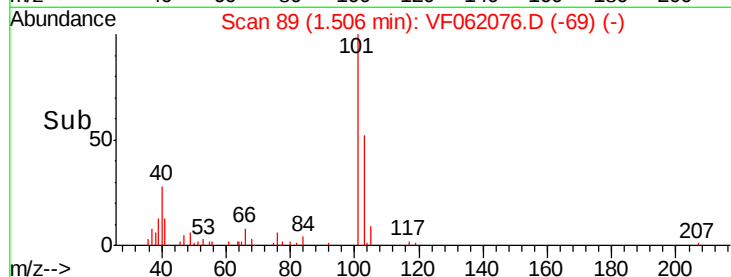
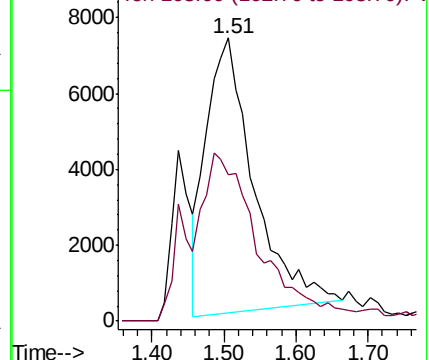
101 100

103 51.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 10.574 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062076.D

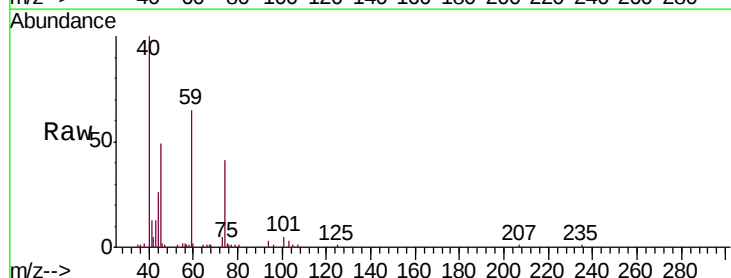
Acq: 22 Mar 2019 11:04

Tgt Ion: 74 Resp: 10498

Ion Ratio Lower Upper

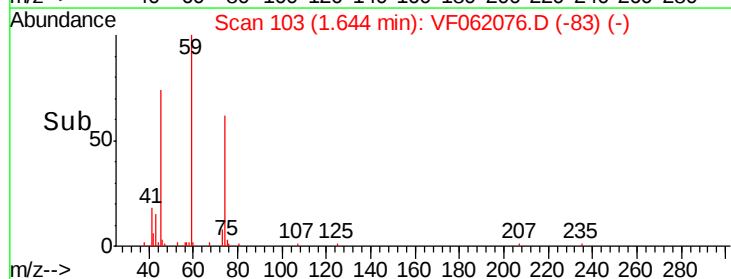
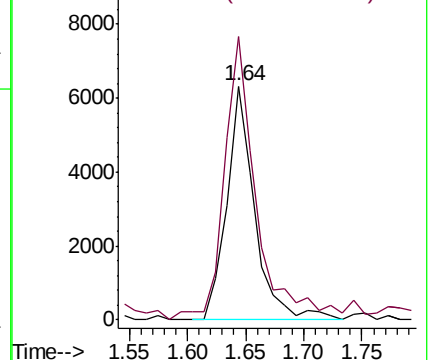
74 100

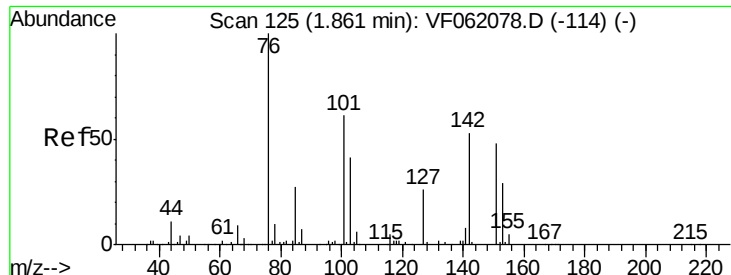
45 121.2 61.4 184.2



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: 10.921 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.00 min

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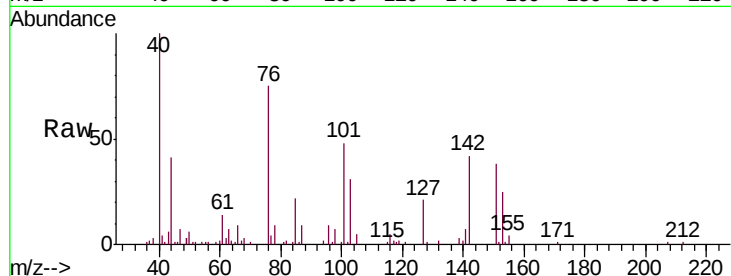
Tgt Ion:101 Resp: 32383

Ion Ratio Lower Upper

101 100

85 46.6 34.6 52.0

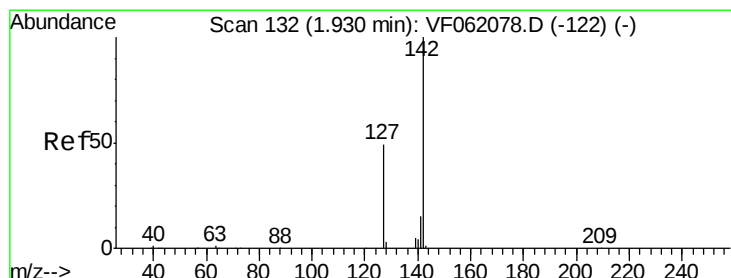
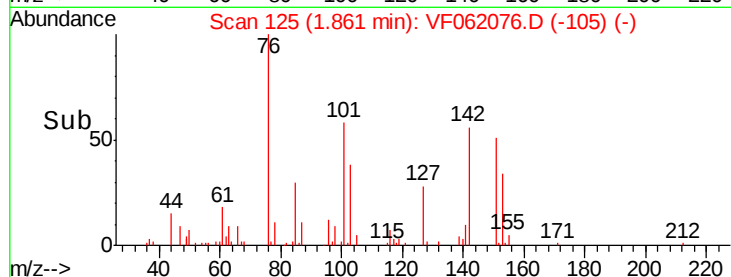
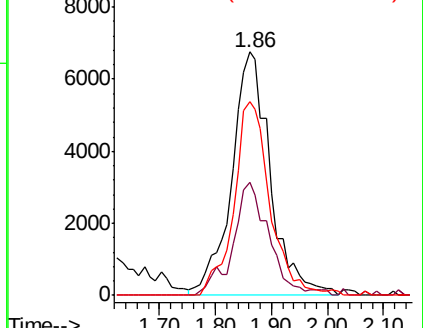
151 79.7 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 8.162 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

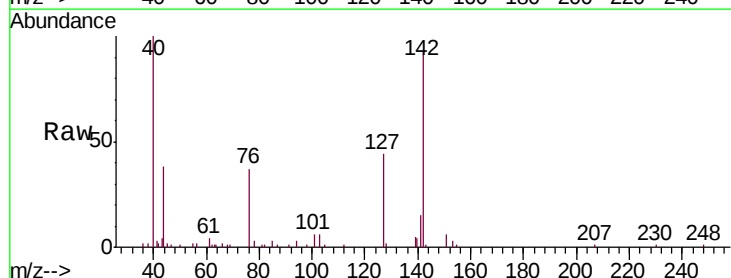
Tgt Ion:142 Resp: 45128

Ion Ratio Lower Upper

142 100

127 47.3 39.1 58.7

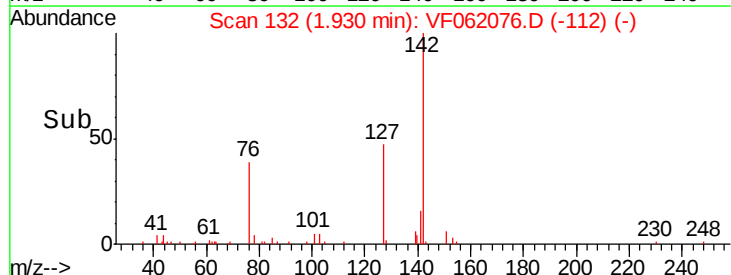
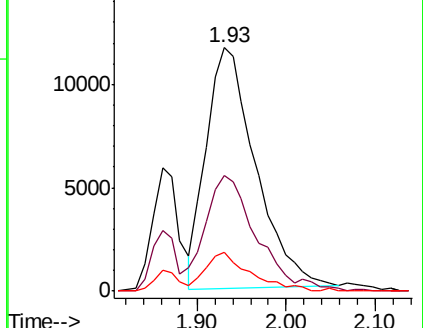
141 15.9 12.2 18.4

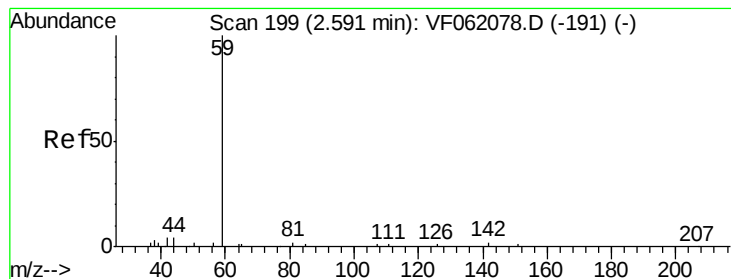


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 50.637 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

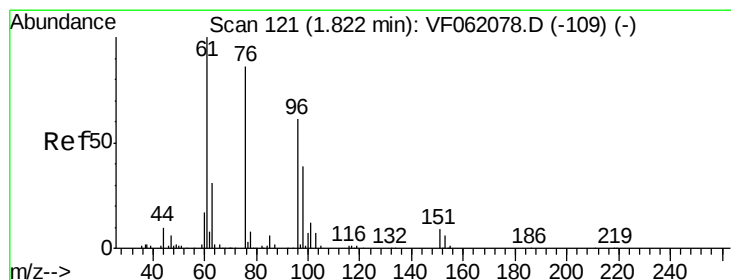
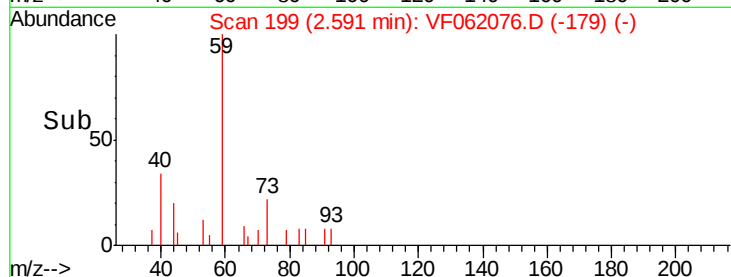
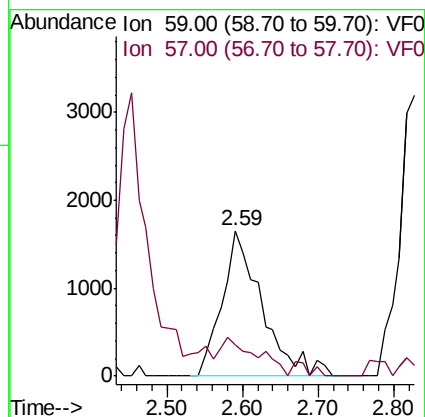
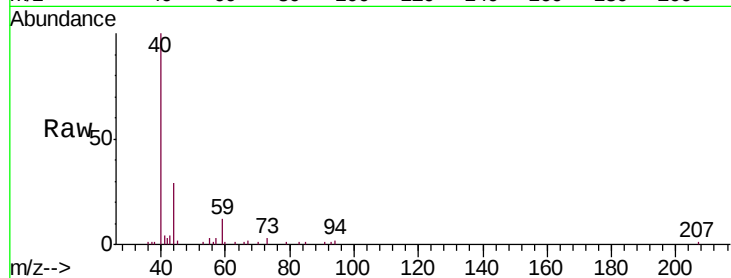
VSTDIC010

Tgt Ion: 59 Resp: 6015

Ion Ratio Lower Upper

59 100

57 21.8 11.0 16.4#



#12

1,1-Dichloroethene

Concen: 10.824 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

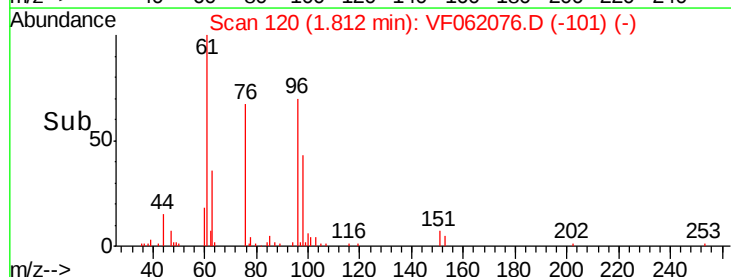
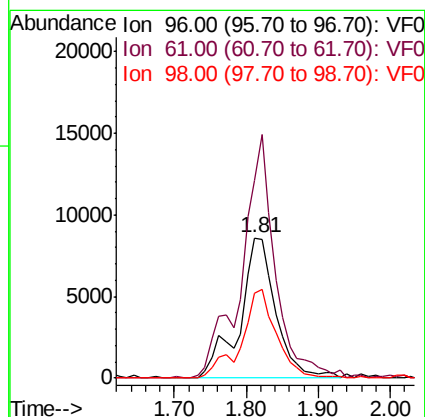
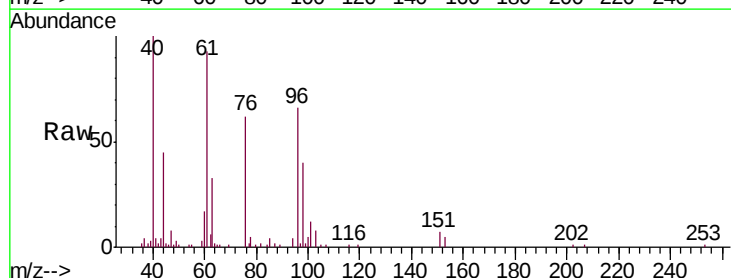
Tgt Ion: 96 Resp: 30284

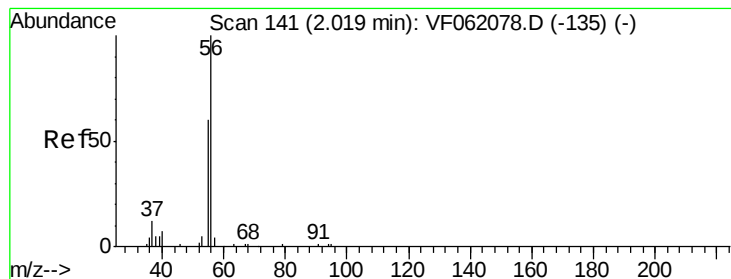
Ion Ratio Lower Upper

96 100

61 140.8 131.0 196.6

98 60.6 51.5 77.3





#13

Acrolein

Concen: 59.315 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

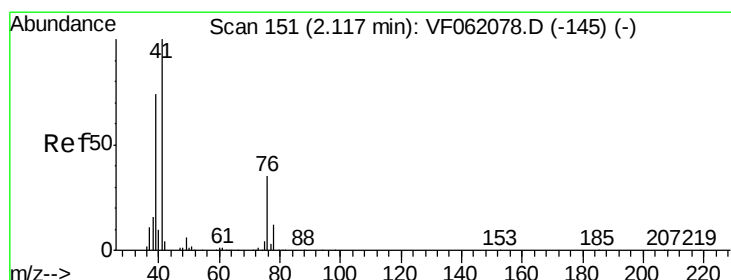
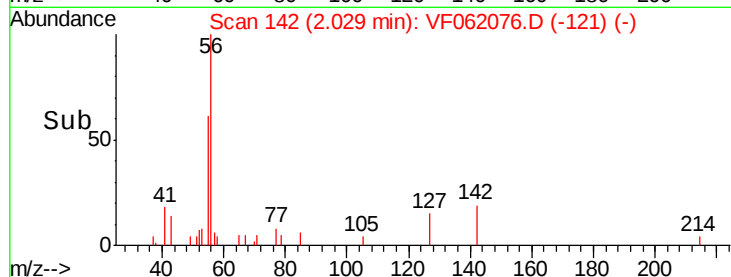
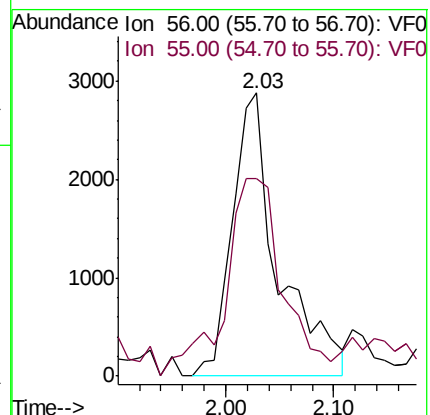
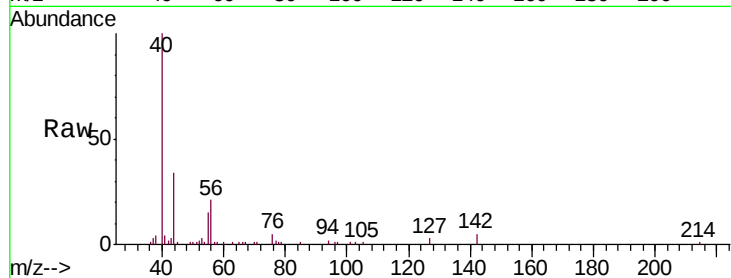
VSTDIC010

Tgt Ion: 56 Resp: 8492

Ion Ratio Lower Upper

56 100

55 69.8 49.0 73.4



#14

Allyl chloride

Concen: 10.875 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

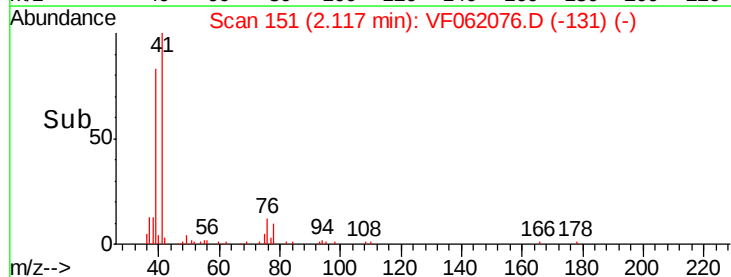
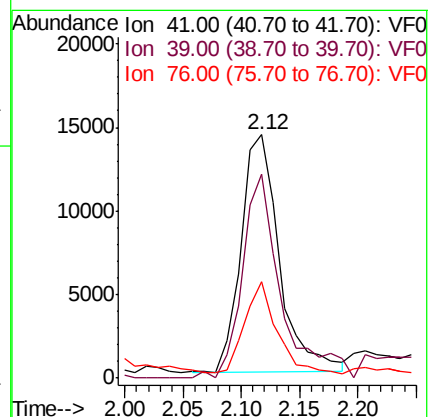
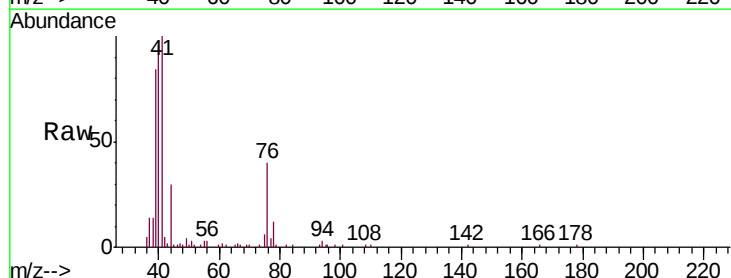
Tgt Ion: 41 Resp: 32485

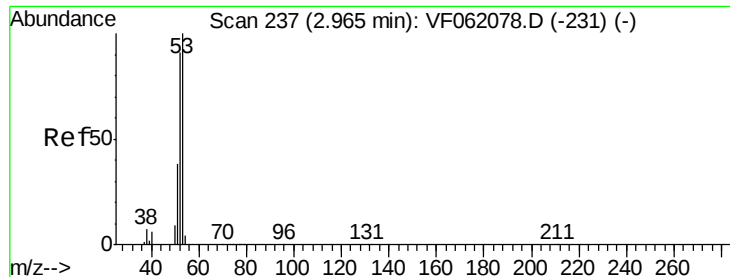
Ion Ratio Lower Upper

41 100

39 83.6 59.8 89.8

76 39.6 30.0 45.0





#15

Acrylonitrile

Concen: 52.876 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

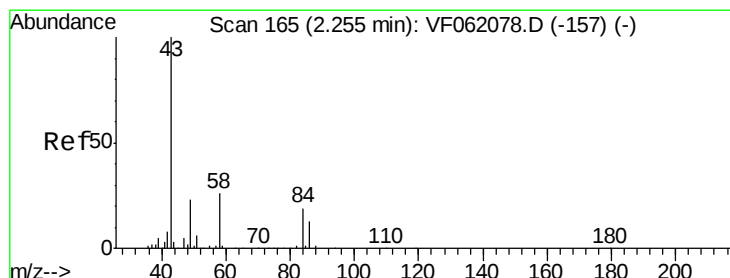
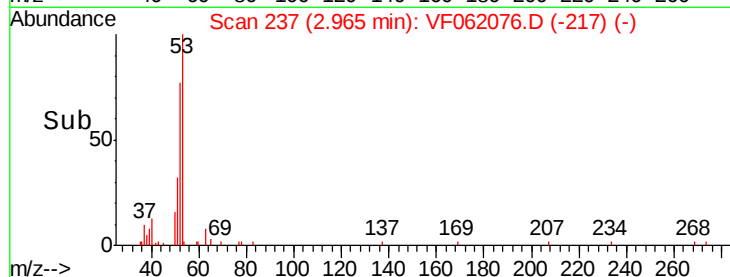
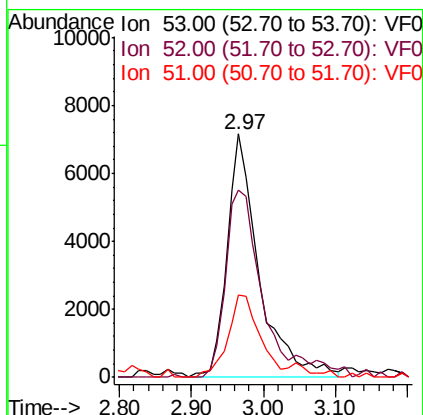
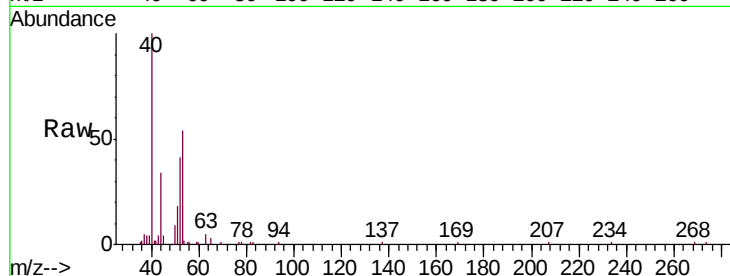
Tgt Ion: 53 Resp: 22087

Ion	Ratio	Lower	Upper
53	100		
52	76.8	72.3	108.5
51	33.8	30.4	45.6

53 100

52 76.8 72.3 108.5

51 33.8 30.4 45.6



#16

Acetone

Concen: 45.550 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF062076.D

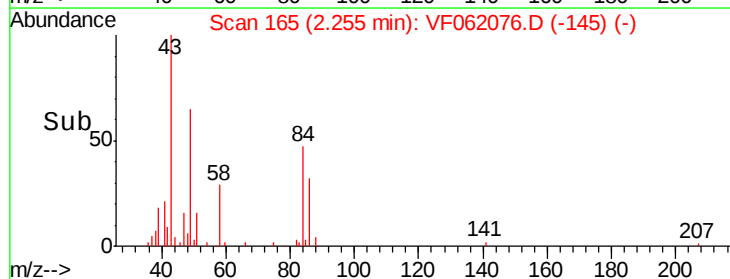
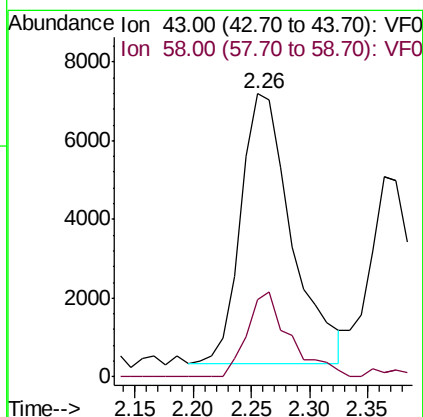
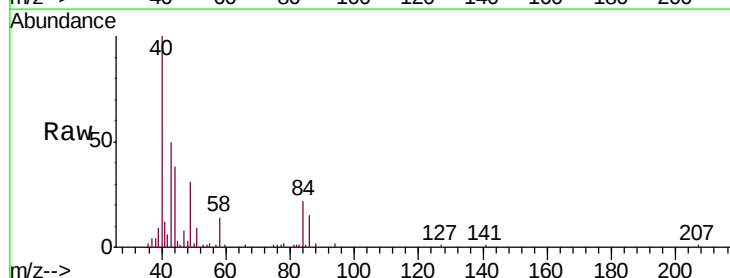
Acq: 22 Mar 2019 11:04

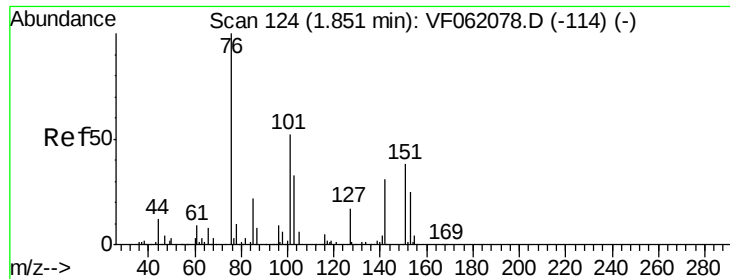
Tgt Ion: 43 Resp: 20697

Ion	Ratio	Lower	Upper
43	100		
58	27.2	20.8	31.2

43 100

58 27.2 20.8 31.2

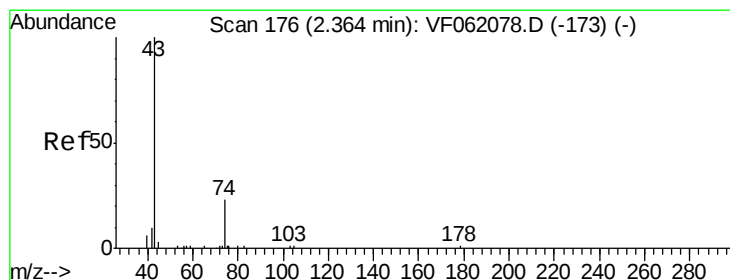
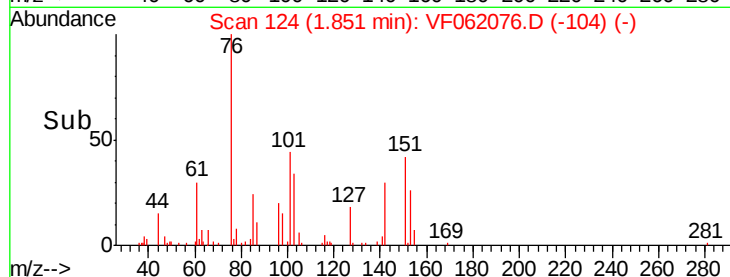
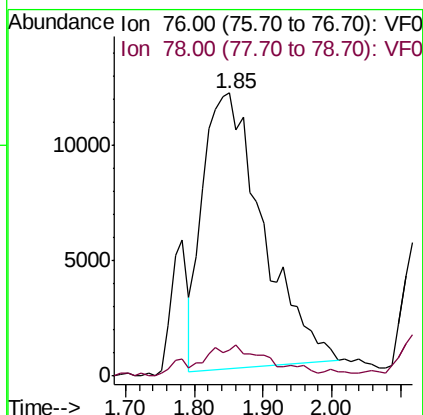
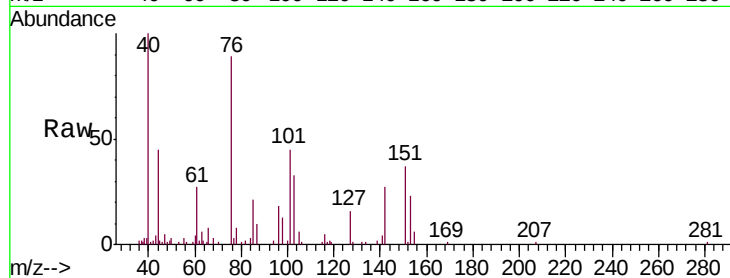




#17
Carbon Disulfide
Concen: 8.651 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

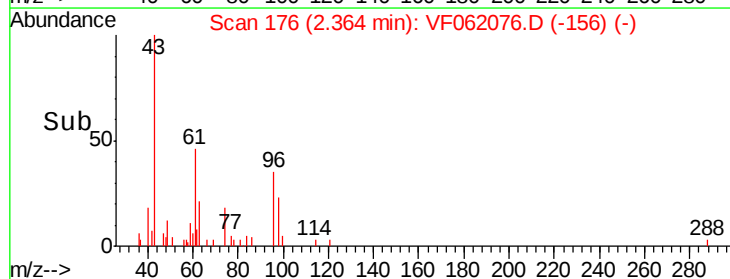
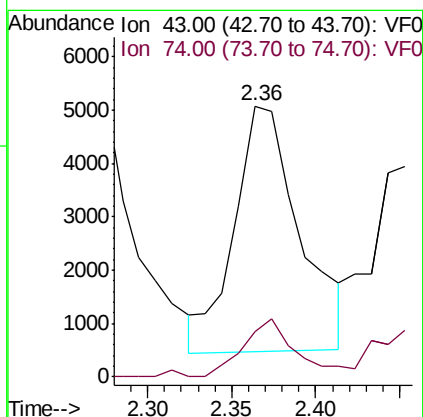
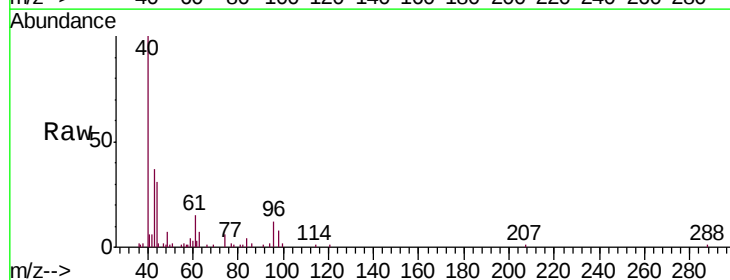
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

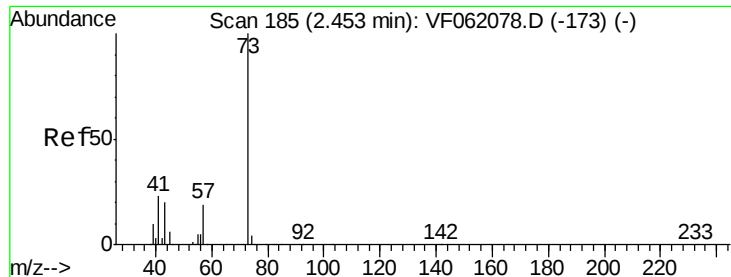
Tgt Ion: 76 Resp: 72343
Ion Ratio Lower Upper
76 100
78 9.2 7.9 11.9



#18
Methyl Acetate
Concen: 11.623 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion: 43 Resp: 12511
Ion Ratio Lower Upper
43 100
74 16.6 16.3 24.5



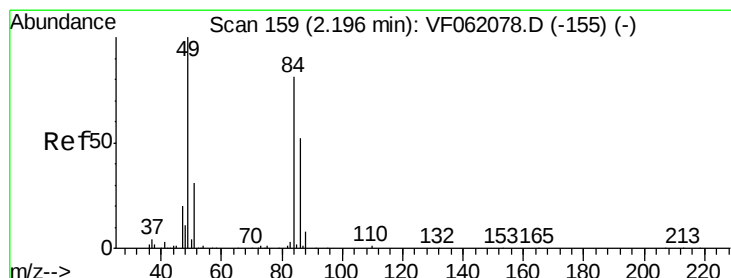
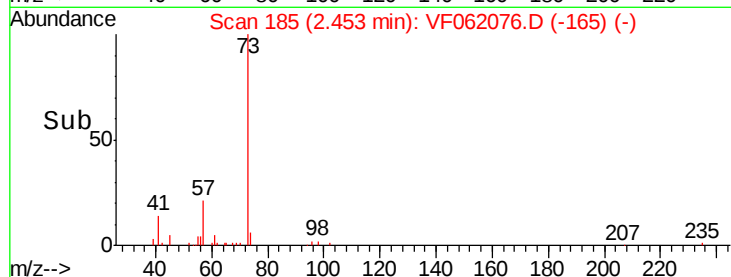
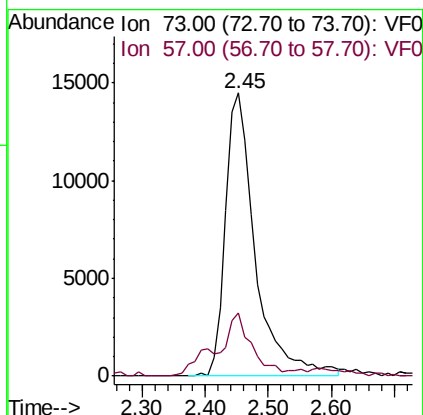
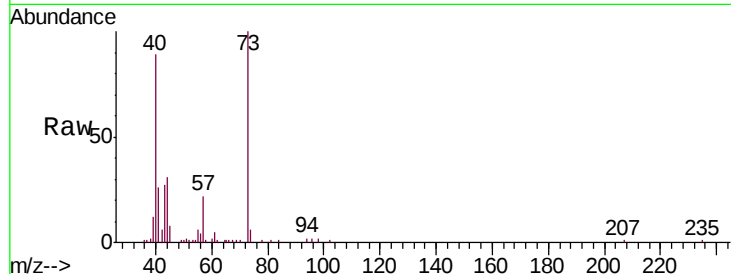


#19

Methyl tert-butyl Ether
 Concen: 10.727 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

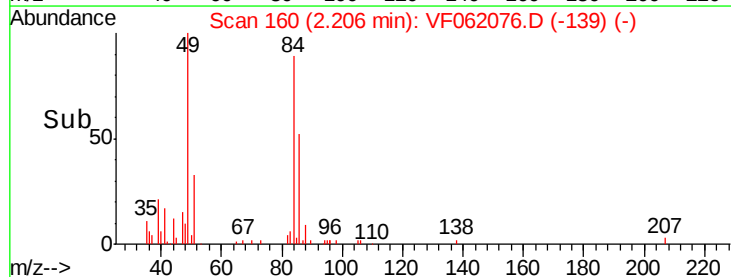
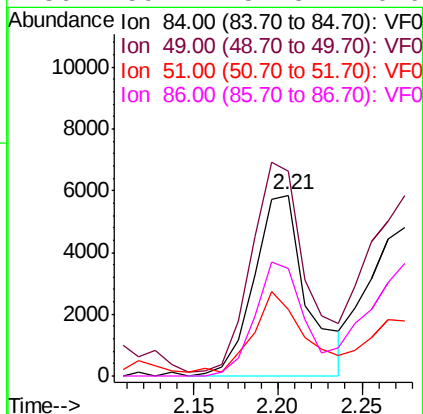
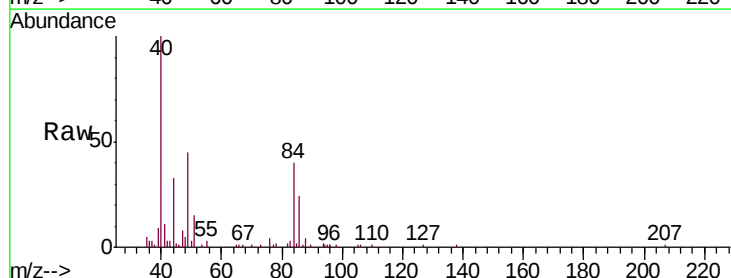
Tgt Ion: 73 Resp: 47434
 Ion Ratio Lower Upper
 73 100
 57 22.2 15.1 22.7

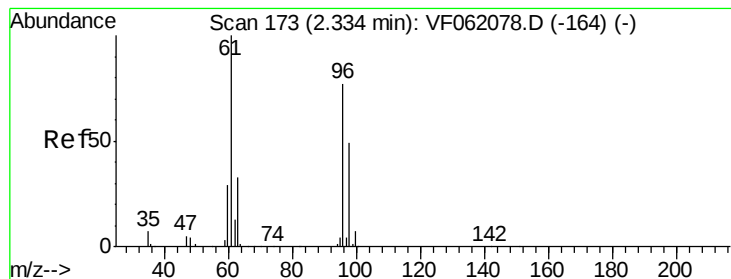


#20

Methylene Chloride
 Concen: 4.229 ug/l
 RT: 2.21 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion: 84 Resp: 12836
 Ion Ratio Lower Upper
 84 100
 49 113.0 100.4 150.6
 51 36.7 31.0 46.6
 86 59.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 10.431 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

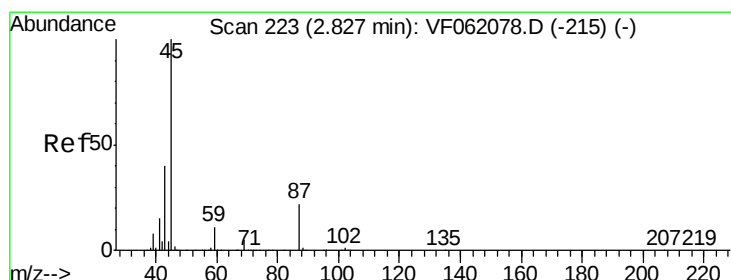
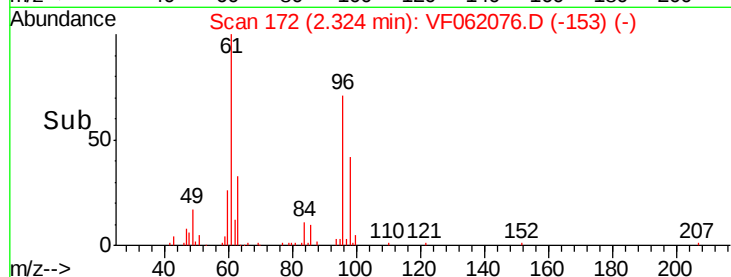
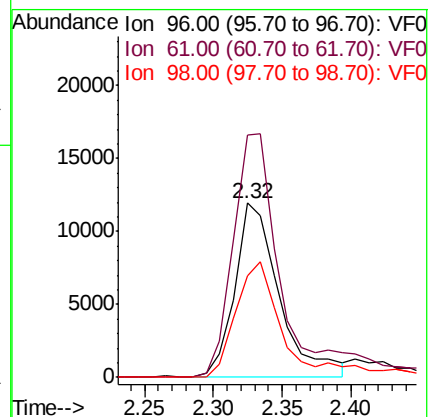
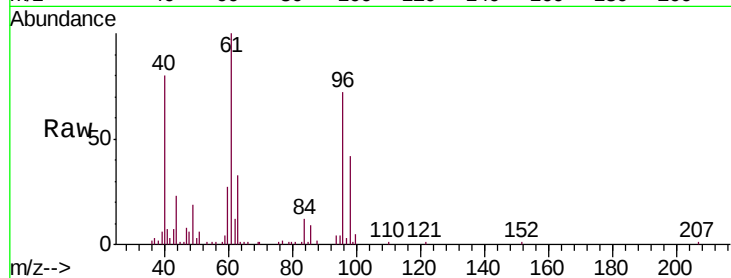
Tgt Ion: 96 Resp: 27122

Ion Ratio Lower Upper

96 100

61 139.2 104.5 156.7

98 58.2 51.2 76.8



#22

Diisopropyl ether

Concen: 11.158 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Tgt Ion: 45 Resp: 87382

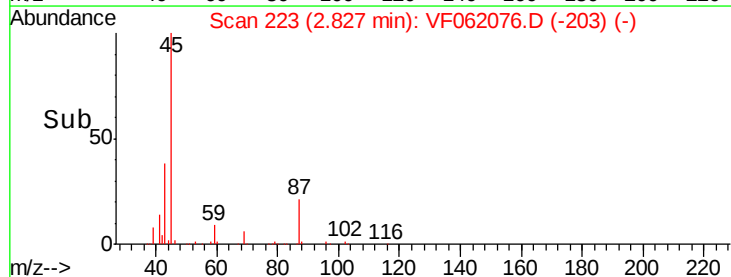
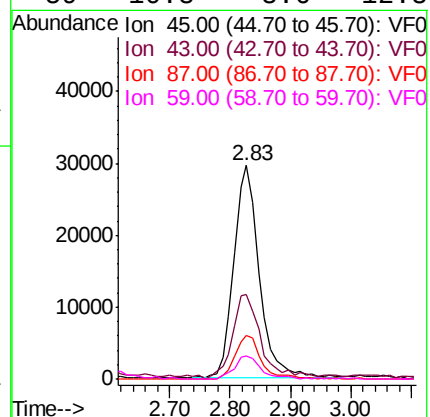
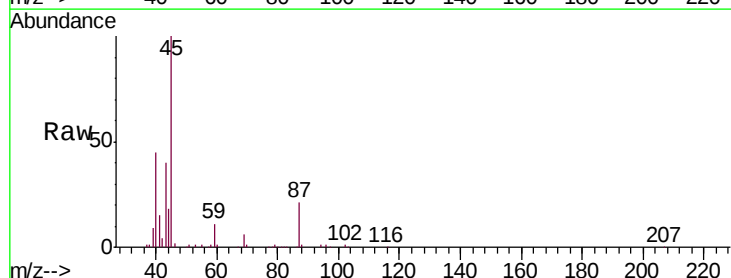
Ion Ratio Lower Upper

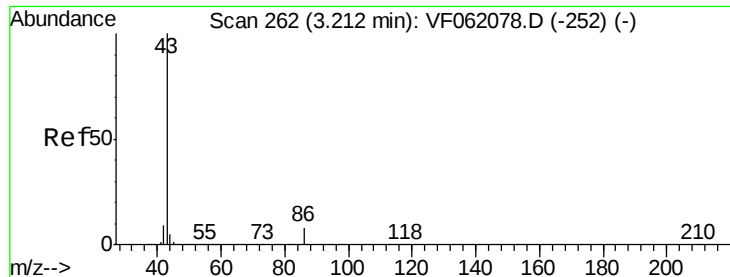
45 100

43 39.6 32.5 48.7

87 20.7 17.4 26.2

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 48.709 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

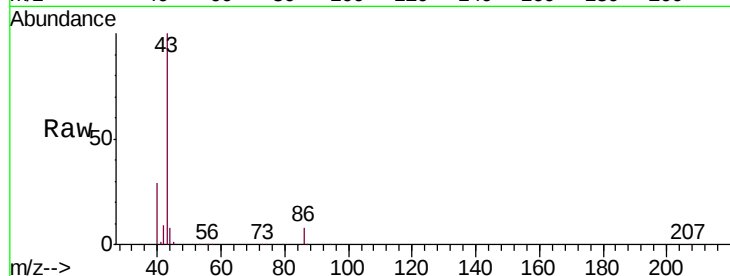
VSTDIC010

Tgt Ion: 43 Resp: 156187

Ion Ratio Lower Upper

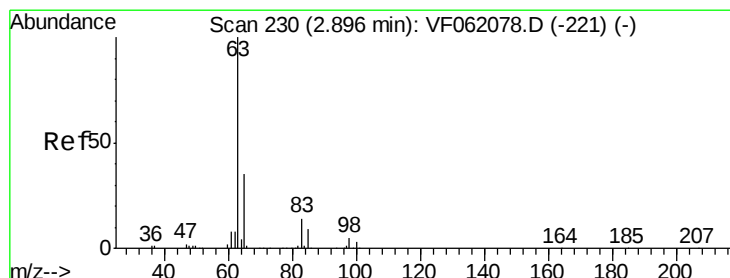
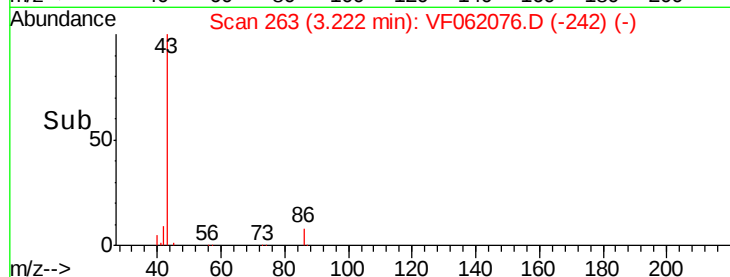
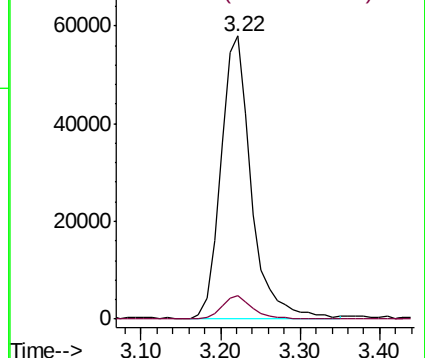
43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 10.703 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

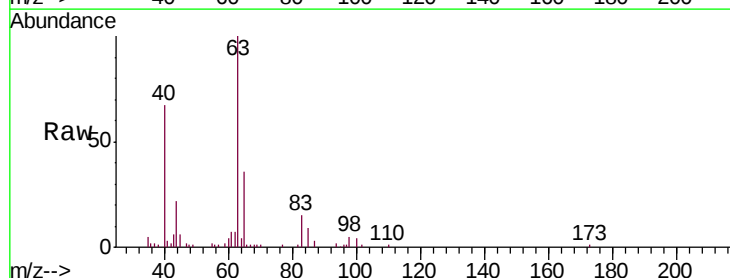
Tgt Ion: 63 Resp: 50266

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

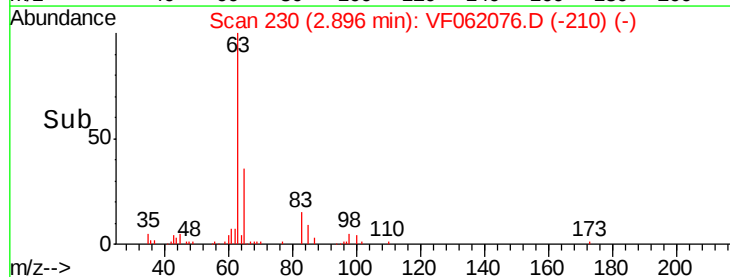
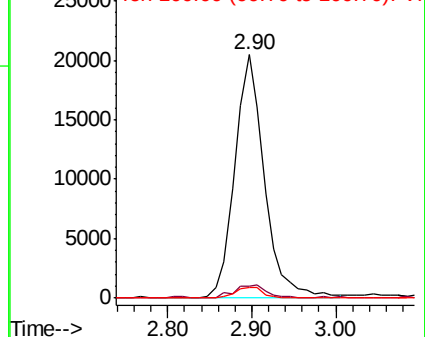
100 4.3 1.7 5.1

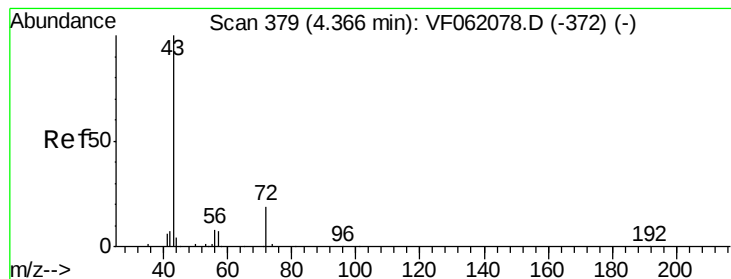


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 51.569 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

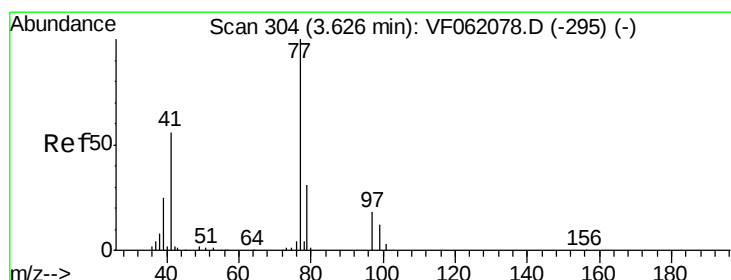
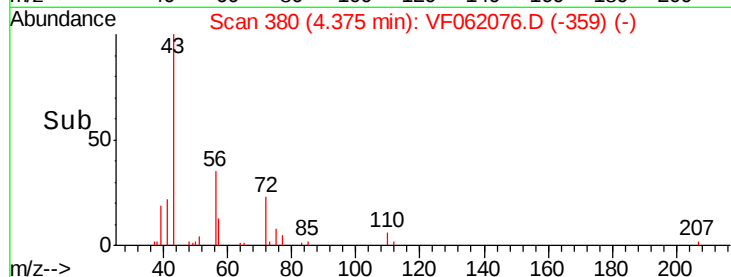
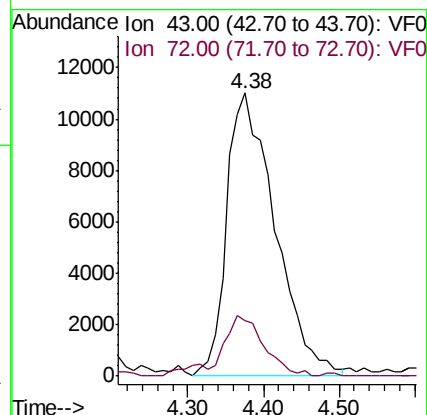
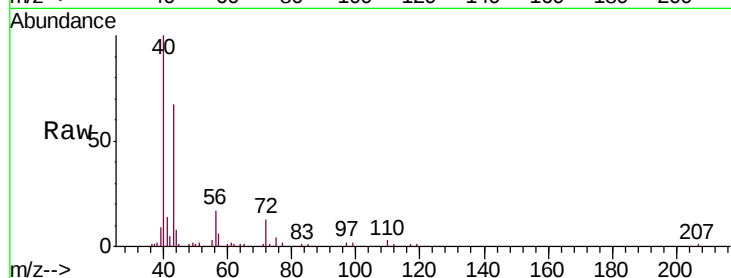
VSTDIC010

Tgt Ion: 43 Resp: 48917

Ion Ratio Lower Upper

43 100

72 19.4 16.7 25.1



#26

2,2-Dichloropropane

Concen: 10.527 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.00 min

Lab File: VF062076.D

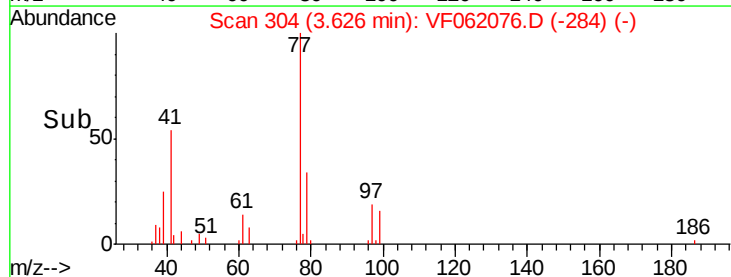
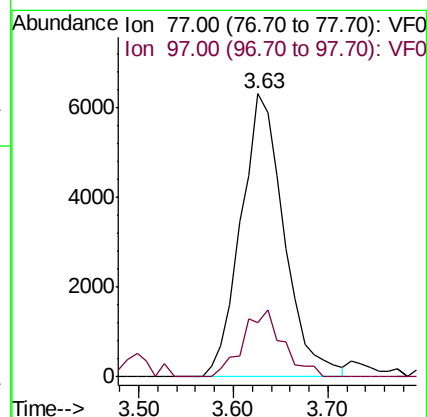
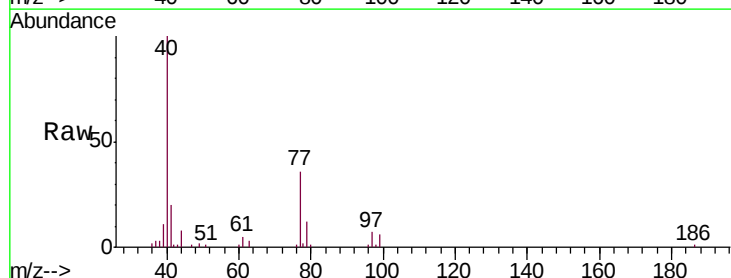
Acq: 22 Mar 2019 11:04

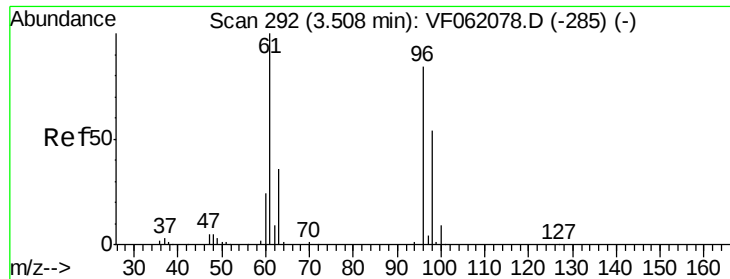
Tgt Ion: 77 Resp: 20045

Ion Ratio Lower Upper

77 100

97 19.2 10.3 30.9



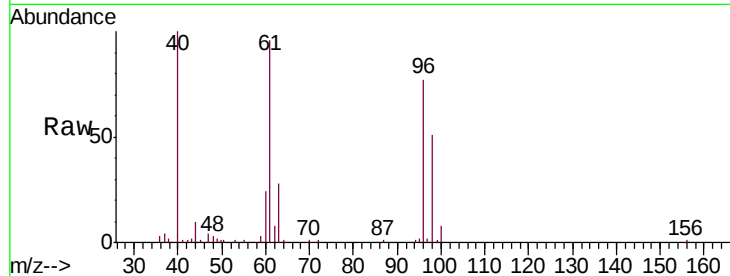


#27

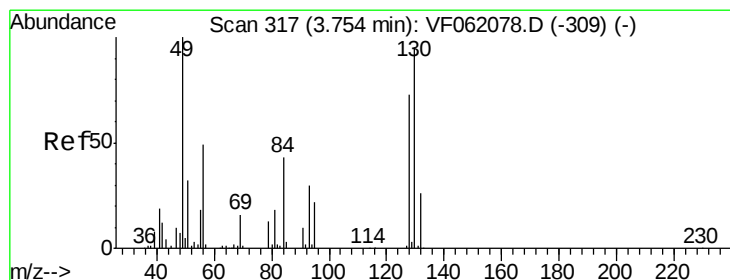
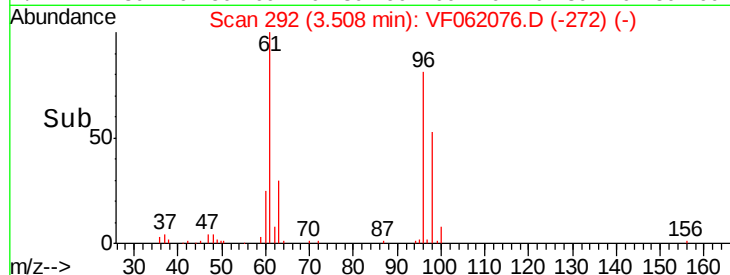
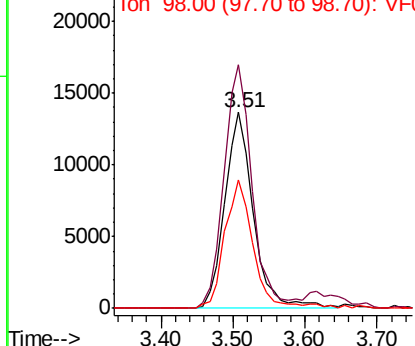
cis-1,2-Dichloroethene
 Concen: 10.555 ug/l
 RT: 3.51 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 37650
 Ion Ratio Lower Upper
 96 100
 61 124.1 0.0 239.0
 98 65.6 0.0 128.2



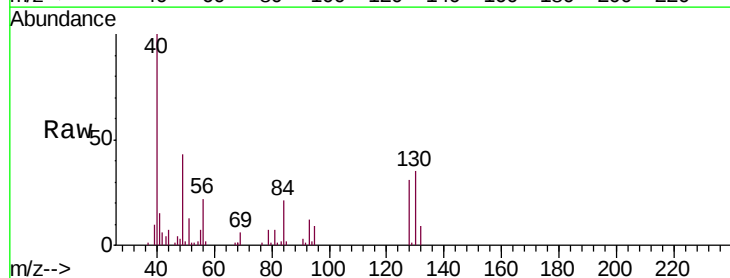
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



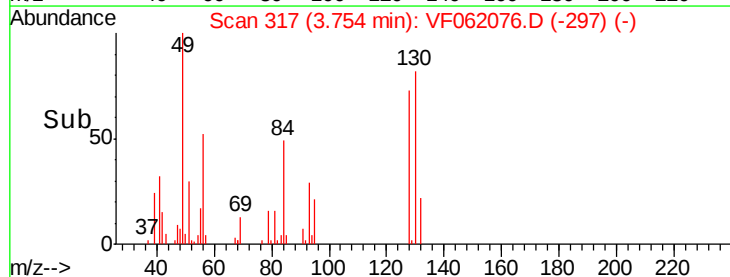
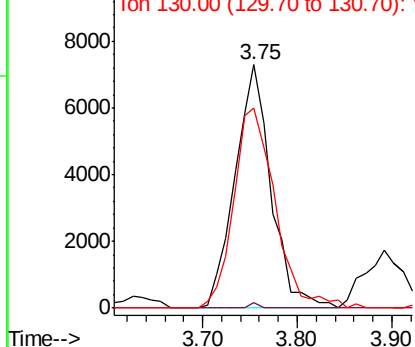
#28

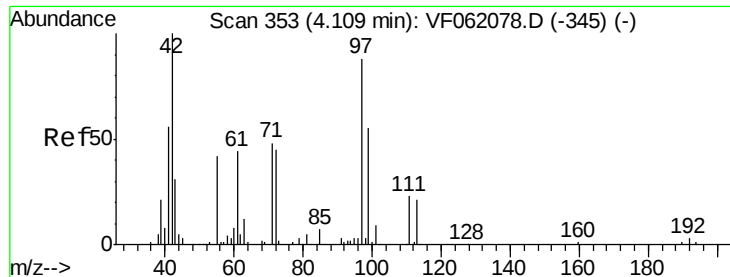
Bromochloromethane
 Concen: 10.030 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion: 49 Resp: 19247
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 5.6
 130 82.0 75.5 113.3



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





#29

Tetrahydrofuran

Concen: 51.302 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

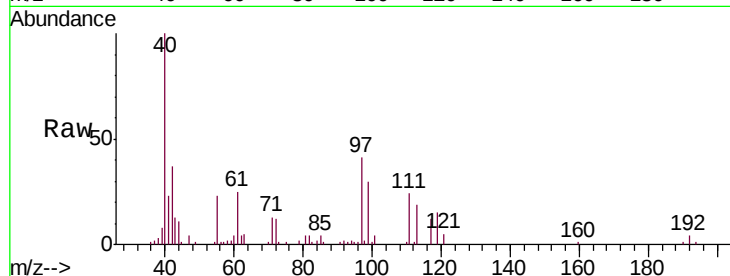
Tgt Ion: 42 Resp: 21158

Ion Ratio Lower Upper

42 100

72 39.5 33.3 49.9

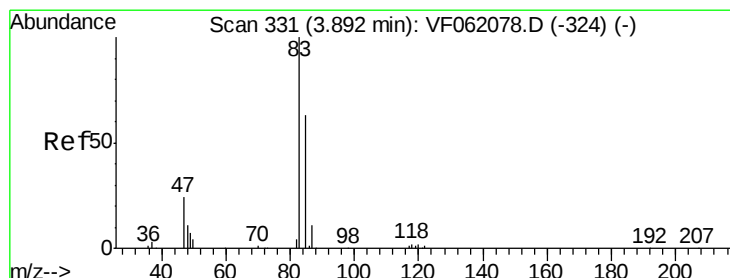
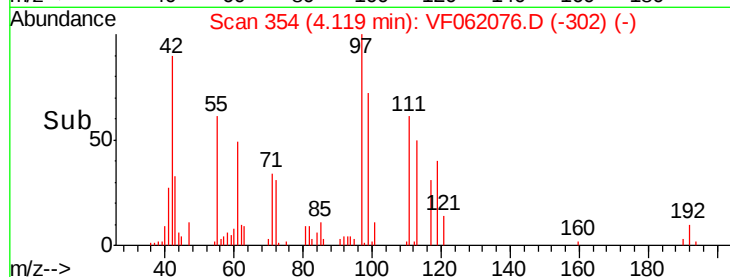
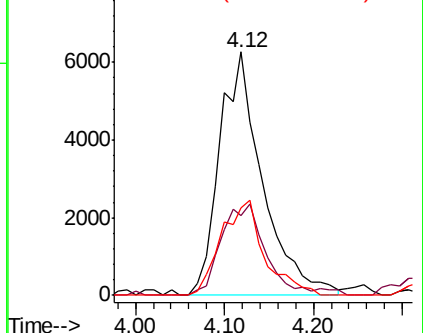
71 39.0 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 10.884 ug/l

RT: 3.89 min Scan# 331

Delta R.T. 0.00 min

Lab File: VF062076.D

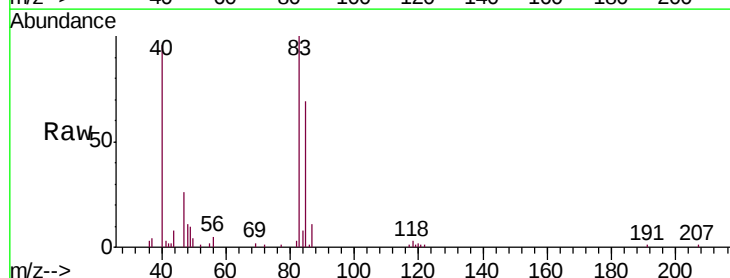
Acq: 22 Mar 2019 11:04

Tgt Ion: 83 Resp: 54022

Ion Ratio Lower Upper

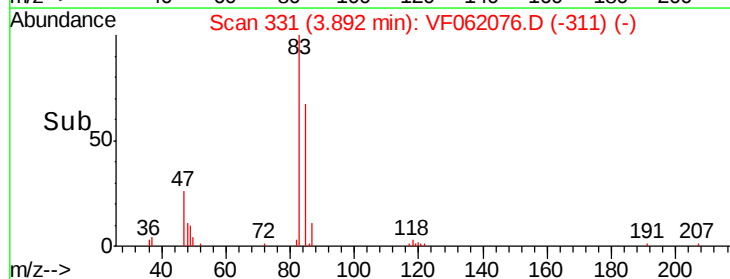
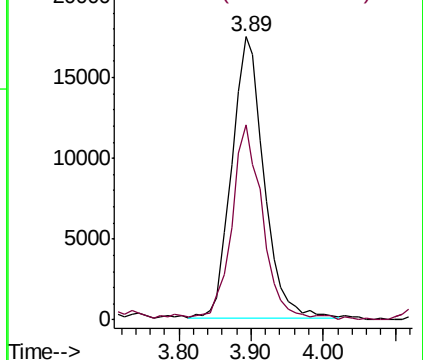
83 100

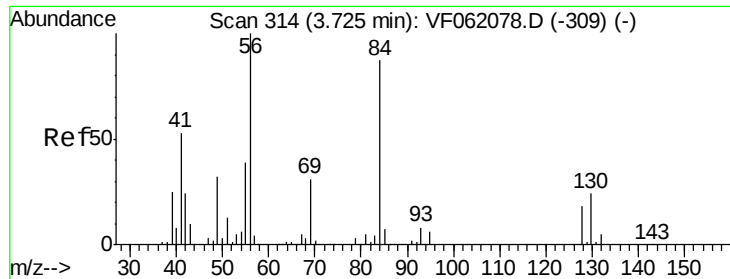
85 69.0 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

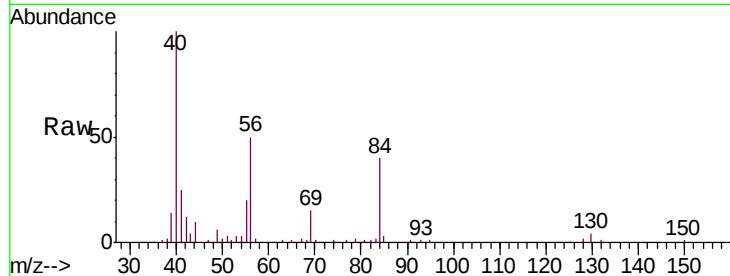




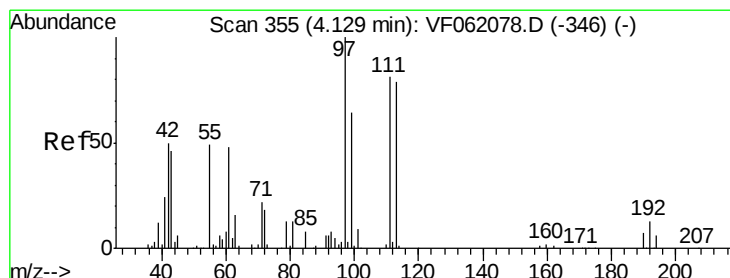
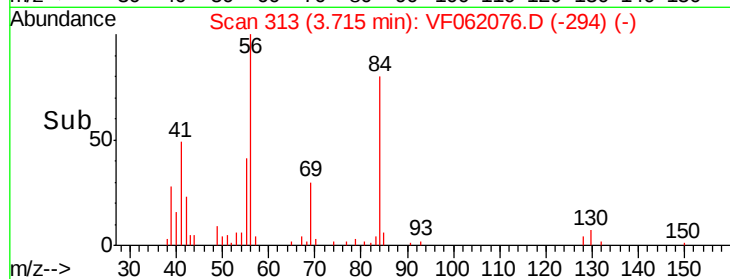
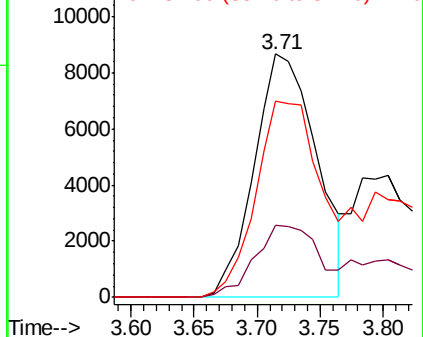
#31
Cyclohexane
Concen: 6.502 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 29967
Ion Ratio Lower Upper
56 100
69 29.5 25.9 38.9
84 80.4 71.1 106.7

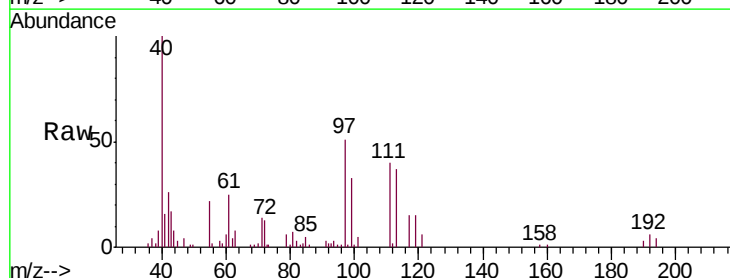


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

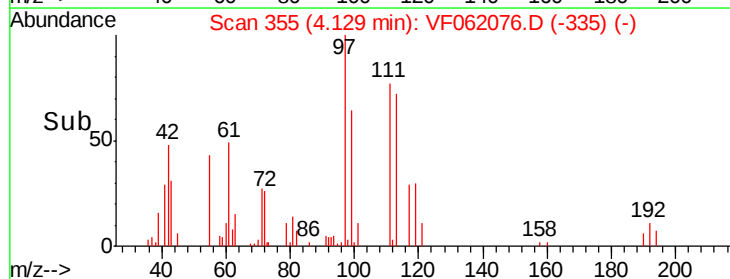
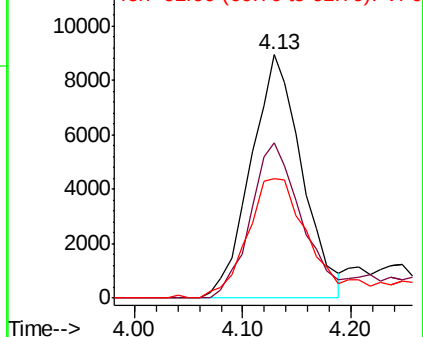


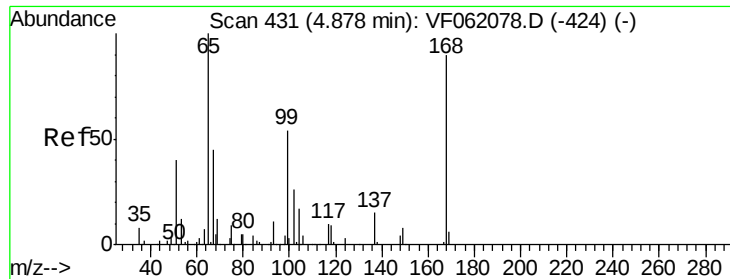
#32
1,1,1-Trichloroethane
Concen: 9.719 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion: 97 Resp: 29344
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 49.3 39.0 58.6



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

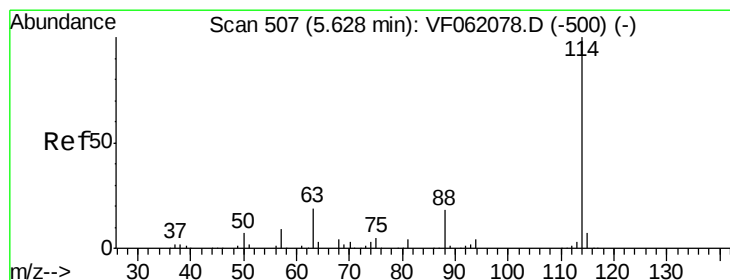
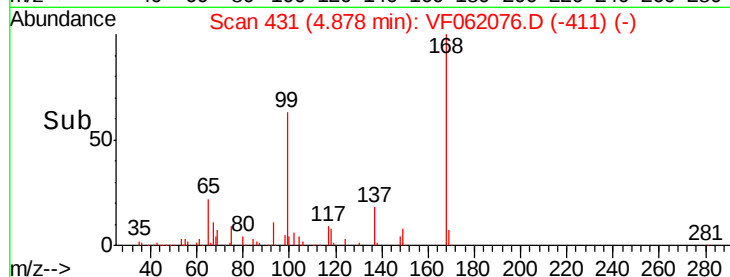
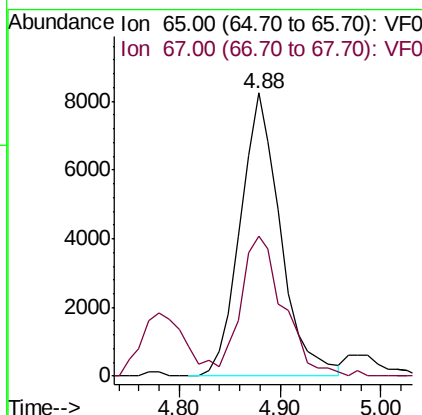
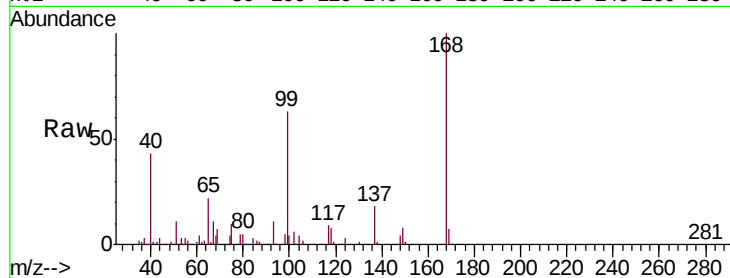




#33
 1,2-Dichloroethane-d4
 Concen: 10.604 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

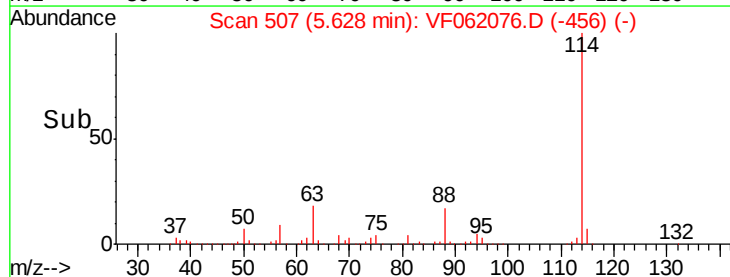
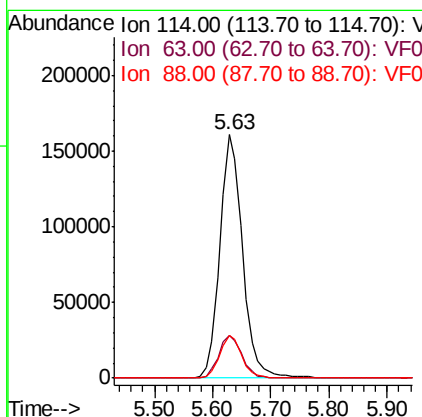
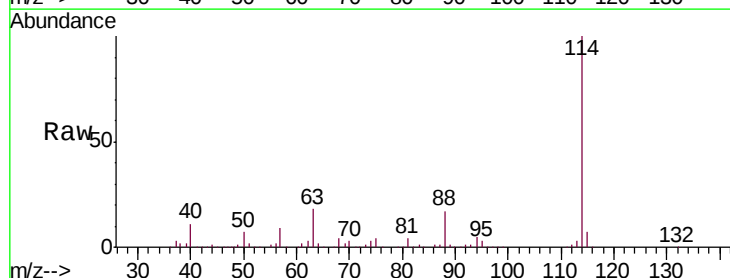
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

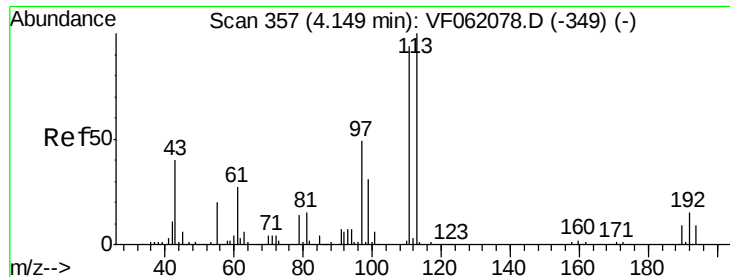
Tgt Ion: 65 Resp: 22893
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion: 114 Resp: 436226
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.8
 88 17.3 0.0 36.4

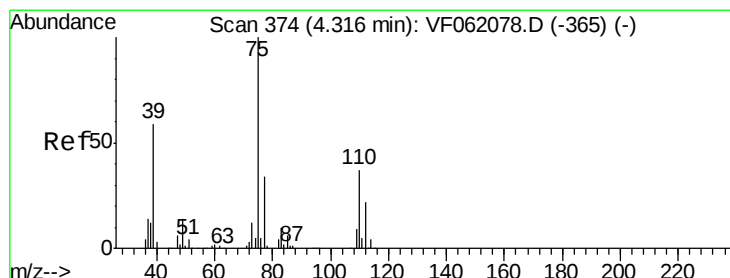
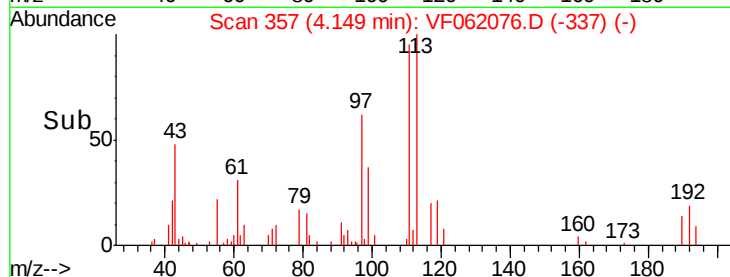
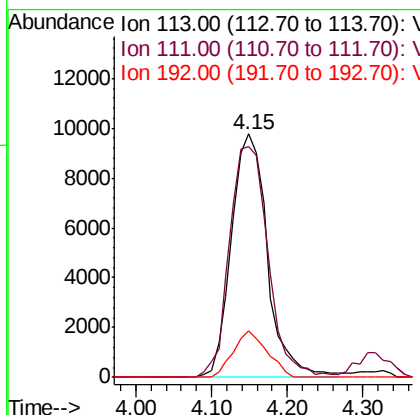
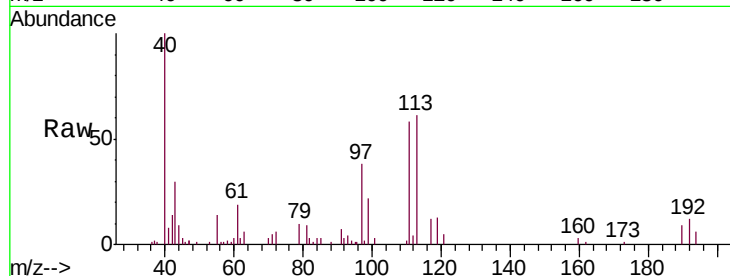




#35
 Dibromofluoromethane
 Concen: 10.923 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

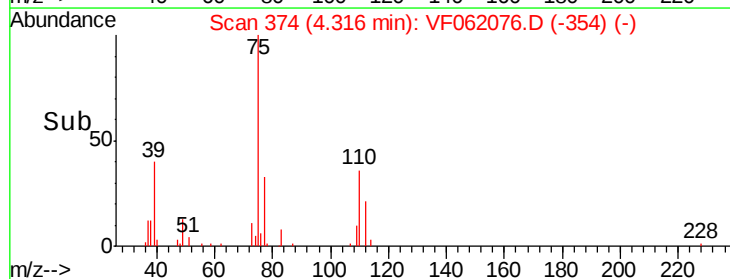
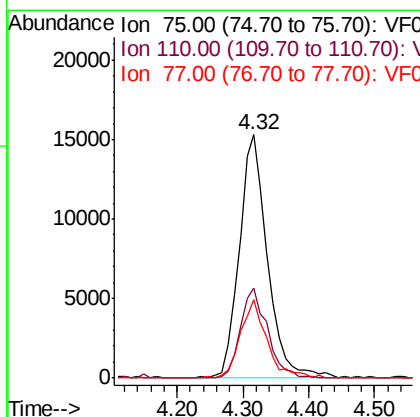
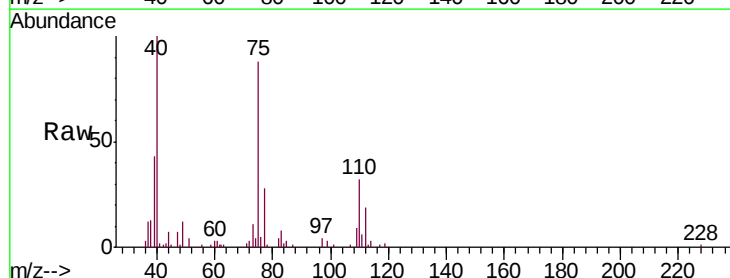
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

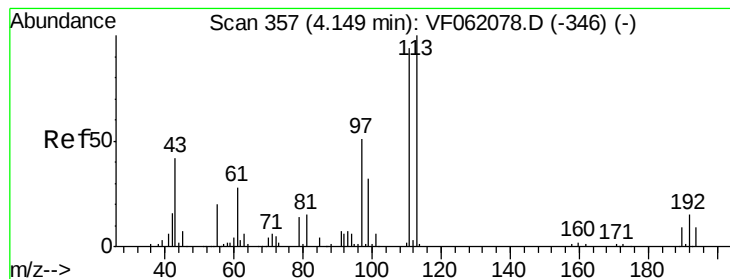
Tgt Ion:113 Resp: 32234
 Ion Ratio Lower Upper
 113 100
 111 94.6 75.4 113.0
 192 18.9 12.3 18.5#



#36
 1,1-Dichloropropene
 Concen: 11.037 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion: 75 Resp: 45861
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.5 55.5
 77 32.3 27.4 41.0





#37

Ethyl Acetate

Concen: 9.845 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

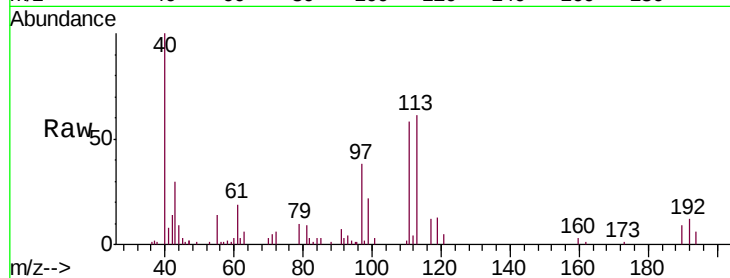
Tgt Ion: 43 Resp: 17878

Ion Ratio Lower Upper

43 100

61 62.0 53.6 80.4

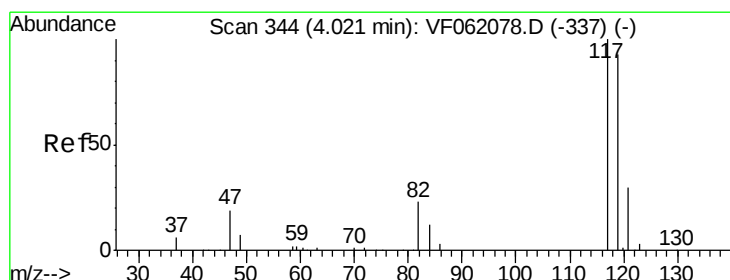
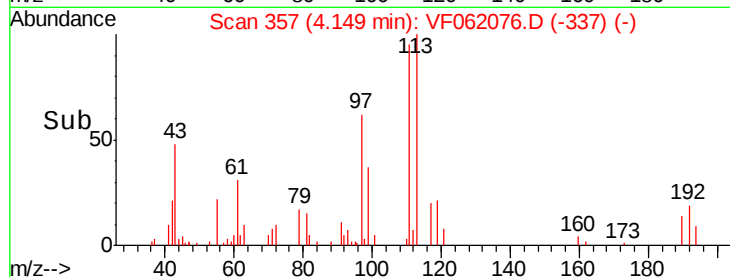
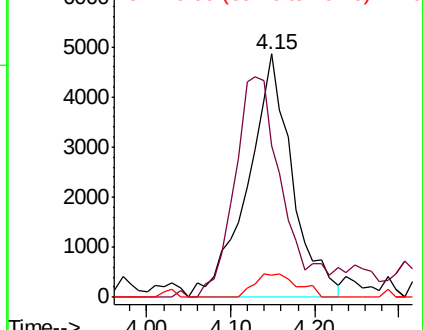
70 9.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 11.021 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

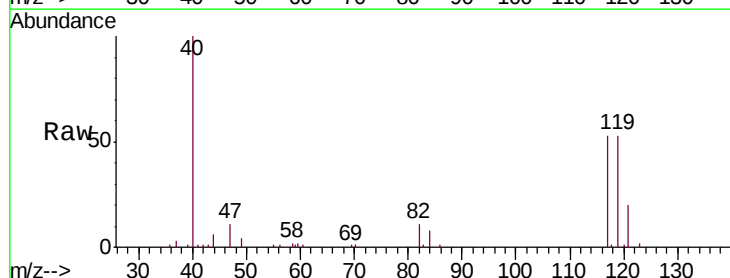
Tgt Ion: 117 Resp: 31212

Ion Ratio Lower Upper

117 100

119 101.6 74.7 112.1

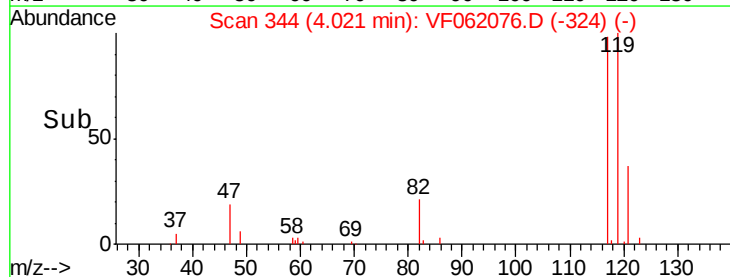
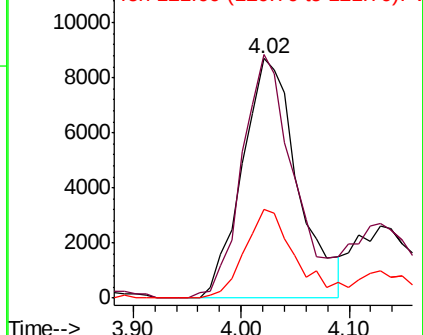
121 37.1 23.6 35.4#

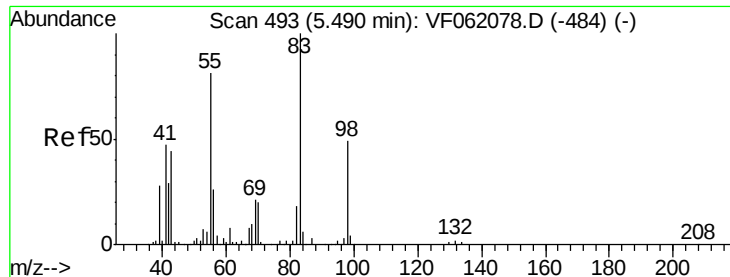


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

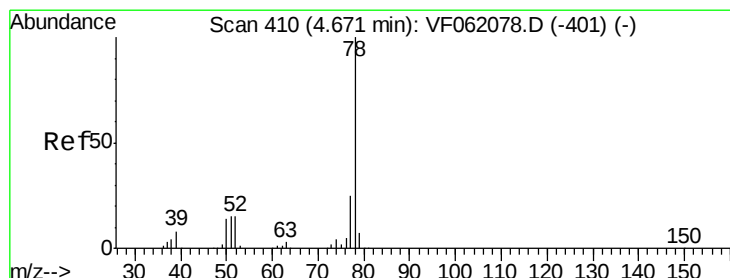
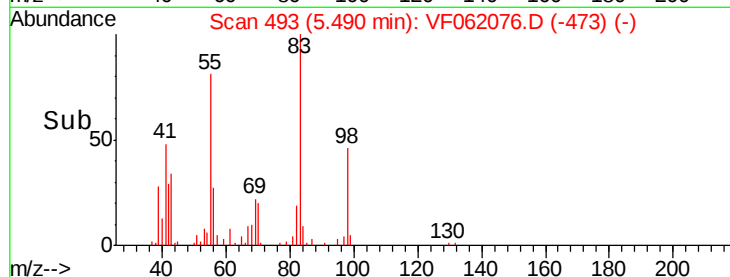
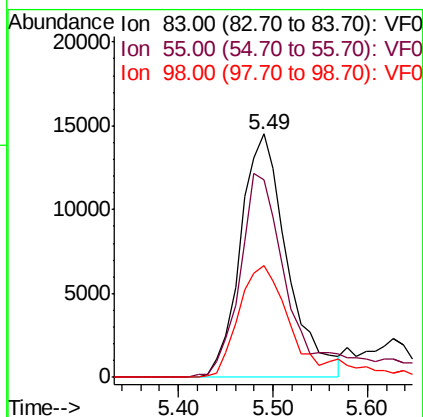
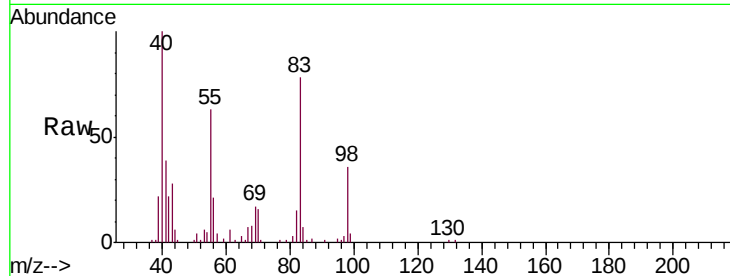




#39
Methylcyclohexane
Concen: 10.322 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

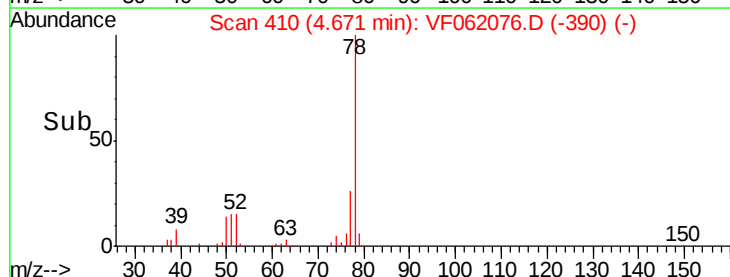
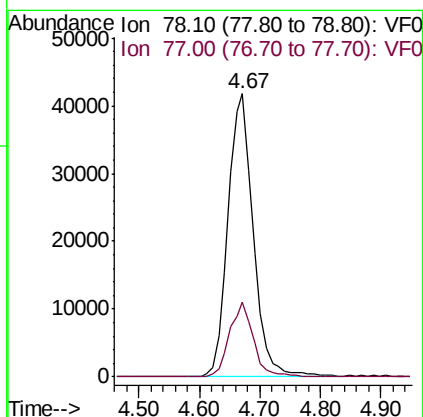
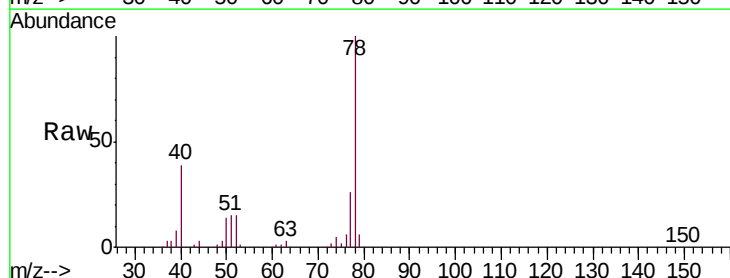
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

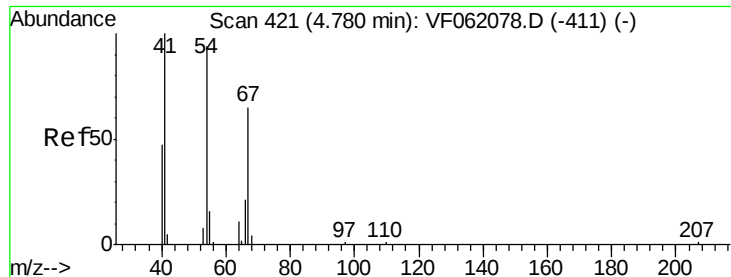
Tgt Ion: 83 Resp: 49778
Ion Ratio Lower Upper
83 100
55 81.3 64.5 96.7
98 45.9 39.1 58.7



#40
Benzene
Concen: 10.899 ug/l
RT: 4.67 min Scan# 410
Delta R.T. 0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion: 78 Resp: 121399
Ion Ratio Lower Upper
78 100
77 26.3 19.8 29.6





#41

Methacrylonitrile

Concen: 10.668 ug/l

RT: 4.78 min Scan# 421

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 10250

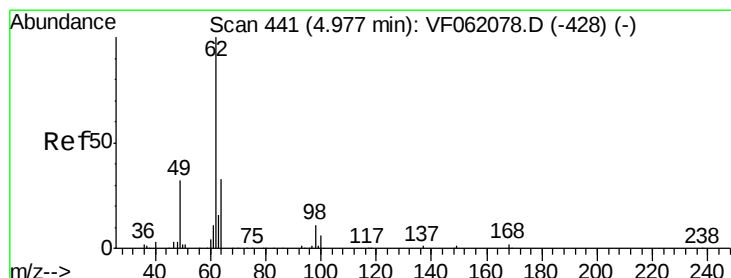
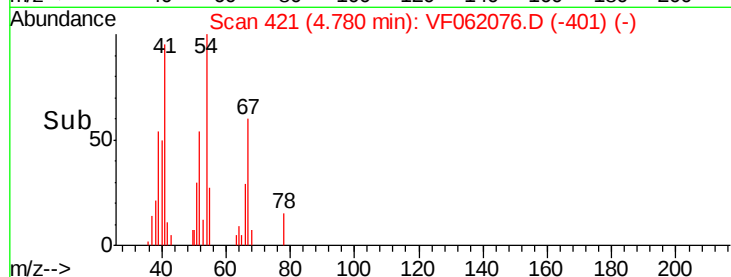
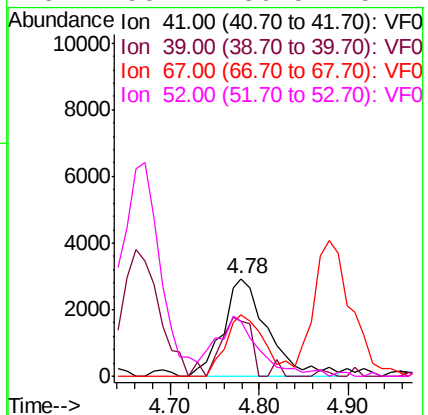
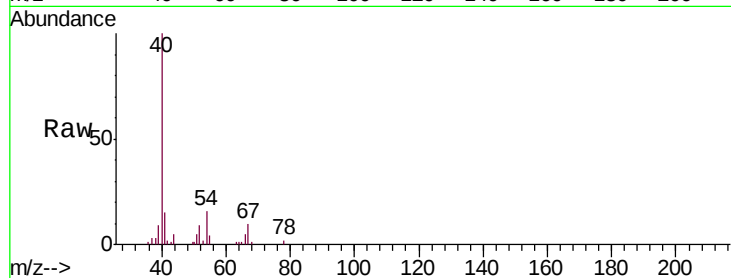
Ion Ratio Lower Upper

41 100

39 56.2 43.5 65.3

67 63.2 51.6 77.4

52 56.2 36.5 54.7#



#42

1,2-Dichloroethane

Concen: 10.629 ug/l

RT: 4.98 min Scan# 441

Delta R.T. 0.00 min

Lab File: VF062076.D

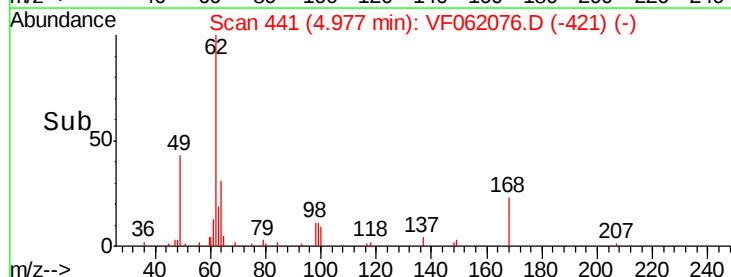
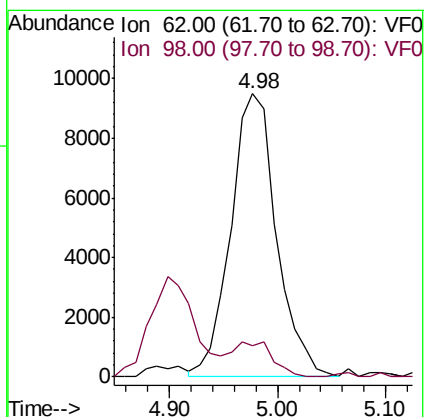
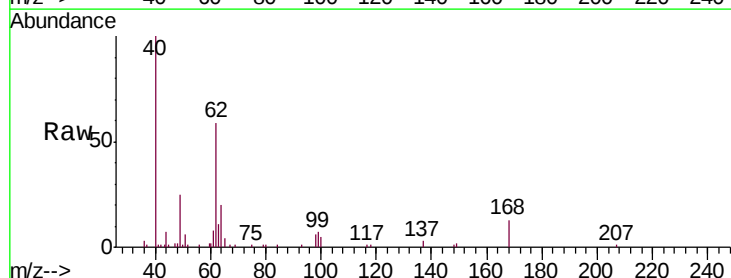
Acq: 22 Mar 2019 11:04

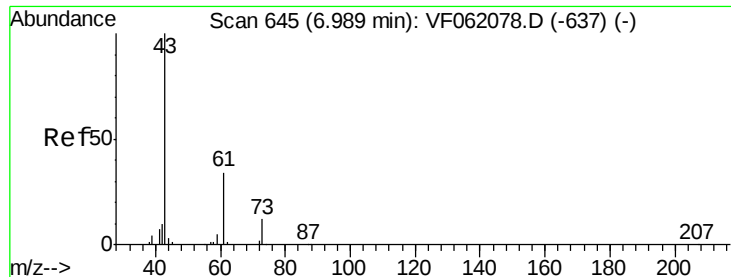
Tgt Ion: 62 Resp: 27998

Ion Ratio Lower Upper

62 100

98 10.8 0.0 23.2





#43

Isopropyl Acetate

Concen: 10.794 ug/l

RT: 7.00 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

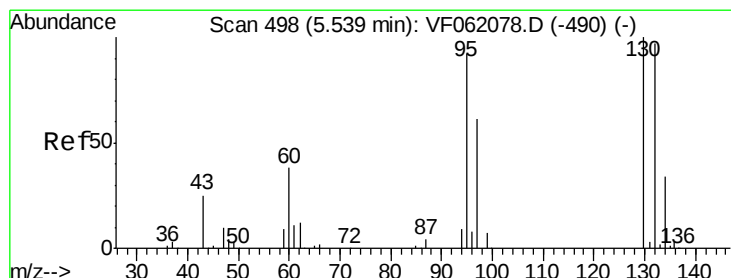
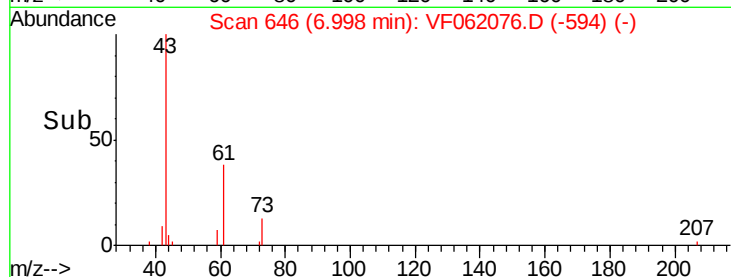
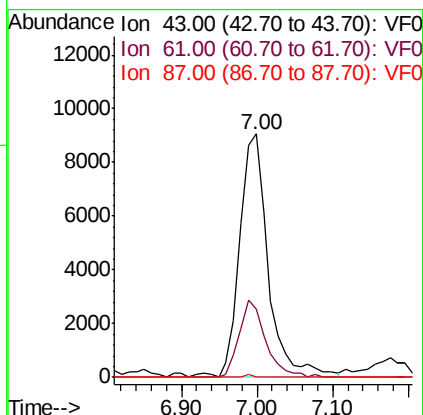
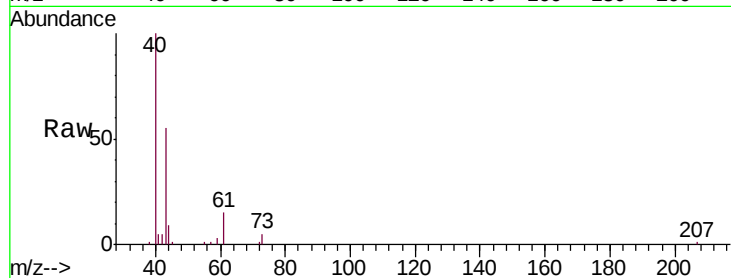
Tgt Ion: 43 Resp: 23737

Ion Ratio Lower Upper

43 100

61 27.8 27.0 40.4

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 11.272 ug/l

RT: 5.54 min Scan# 498

Delta R.T. 0.00 min

Lab File: VF062076.D

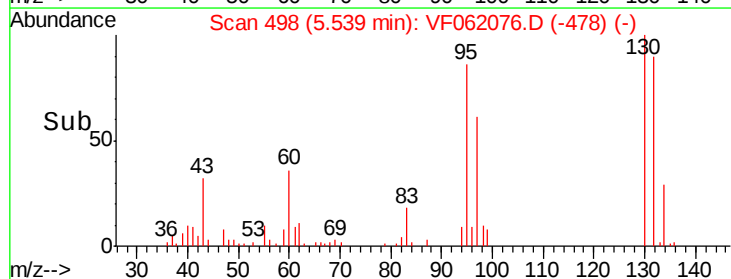
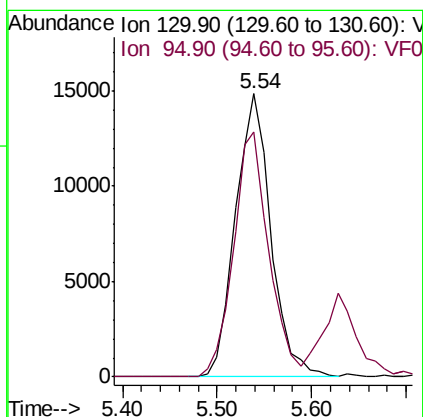
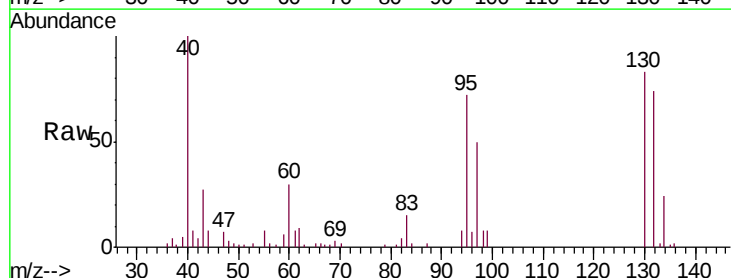
Acq: 22 Mar 2019 11:04

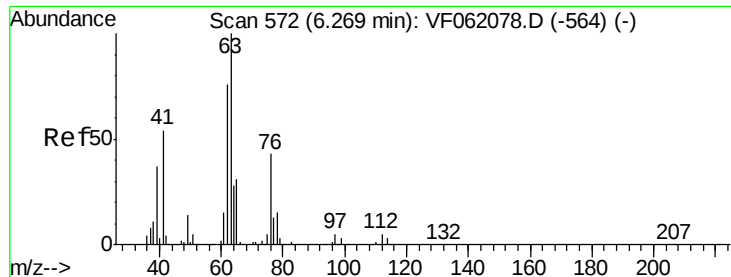
Tgt Ion: 130 Resp: 38388

Ion Ratio Lower Upper

130 100

95 86.5 0.0 183.4





#45

1,2-Dichloropropane

Concen: 10.486 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

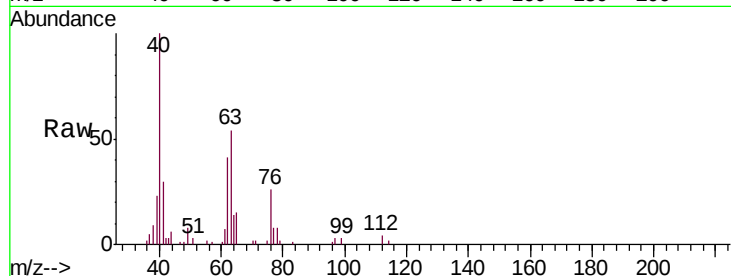
VSTDIC010

Tgt Ion: 63 Resp: 27859

Ion Ratio Lower Upper

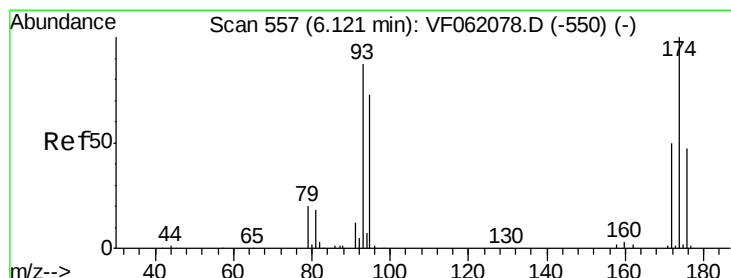
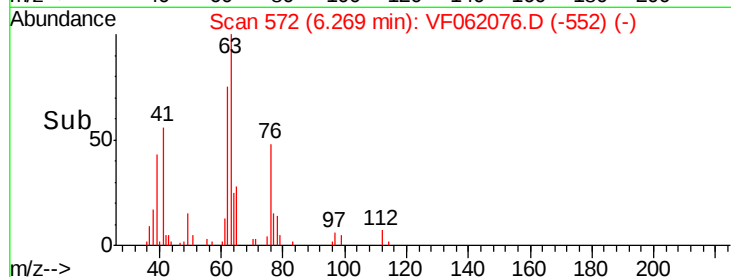
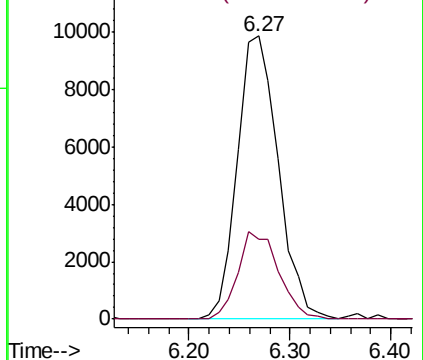
63 100

65 28.2 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 10.136 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

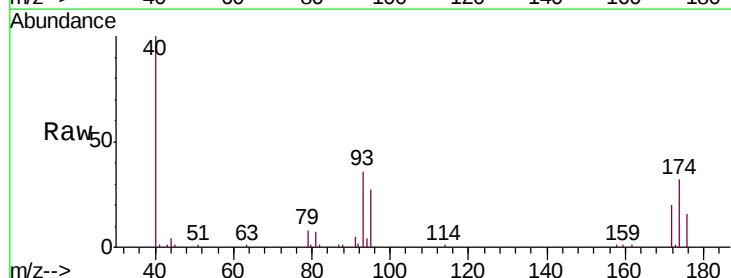
Tgt Ion: 93 Resp: 16465

Ion Ratio Lower Upper

93 100

95 74.5 67.4 101.2

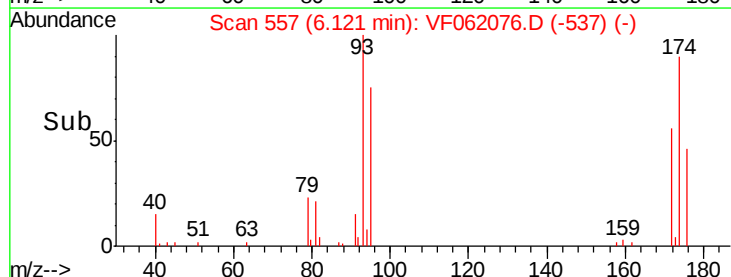
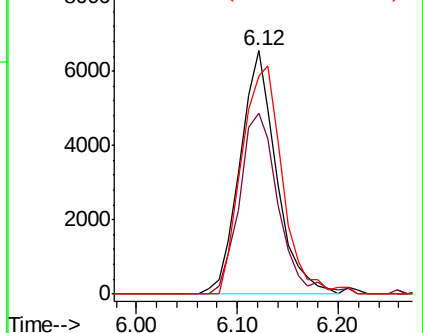
174 89.6 92.0 138.0#

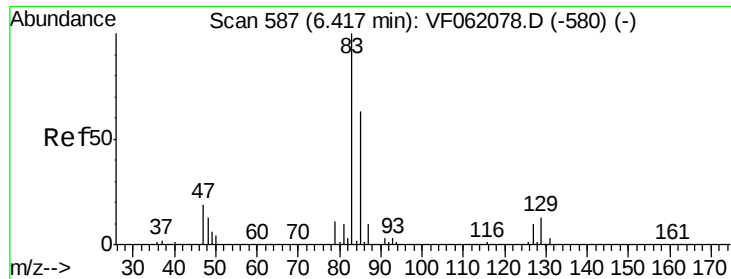


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 10.648 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

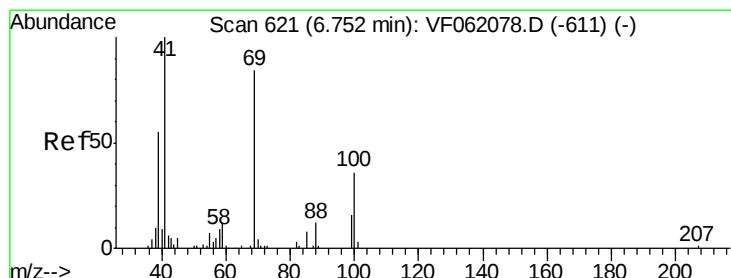
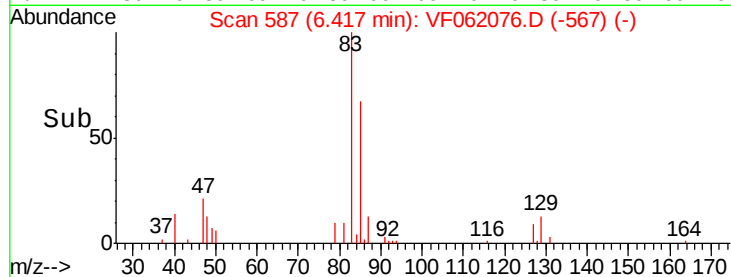
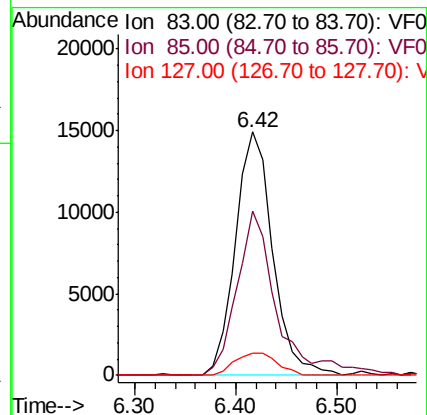
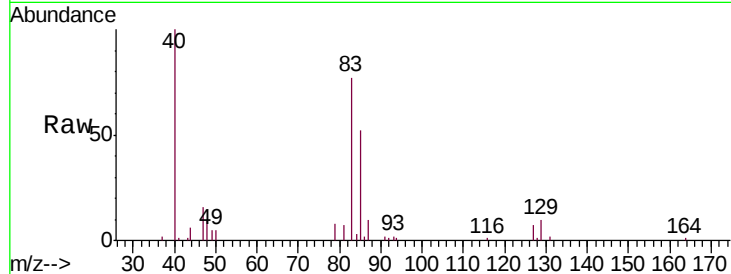
Tgt Ion: 83 Resp: 38313

Ion Ratio Lower Upper

83 100

85 67.4 50.7 76.1

127 8.9 7.8 11.6



#48

Methyl methacrylate

Concen: 9.924 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

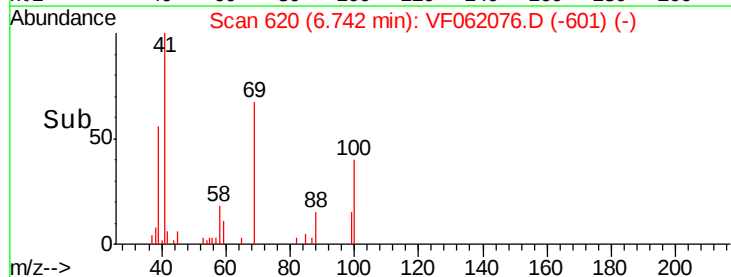
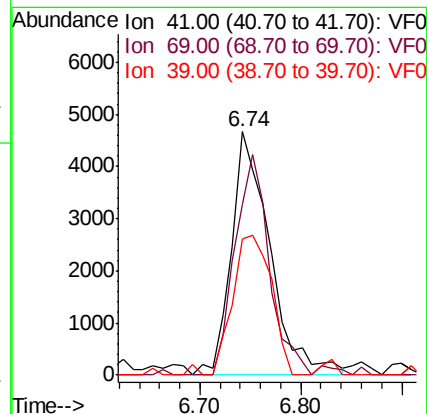
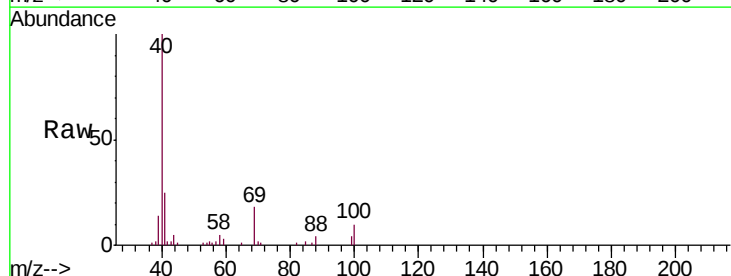
Tgt Ion: 41 Resp: 12426

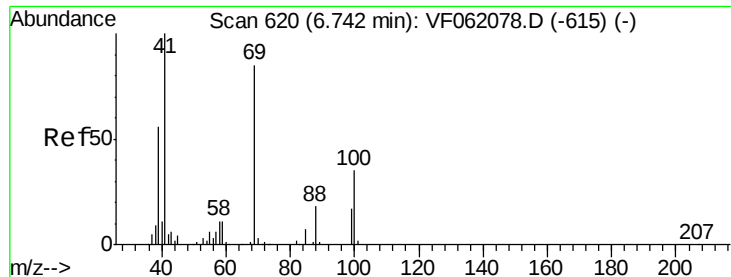
Ion Ratio Lower Upper

41 100

69 70.0 66.6 100.0

39 56.1 43.6 65.4

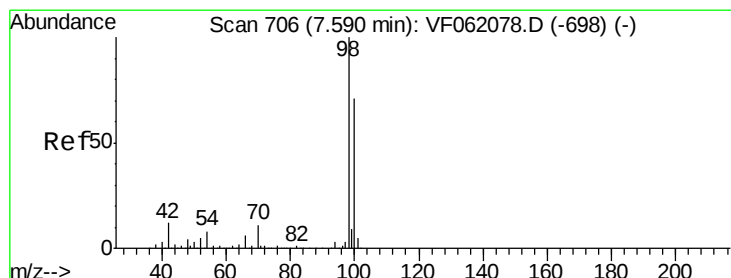
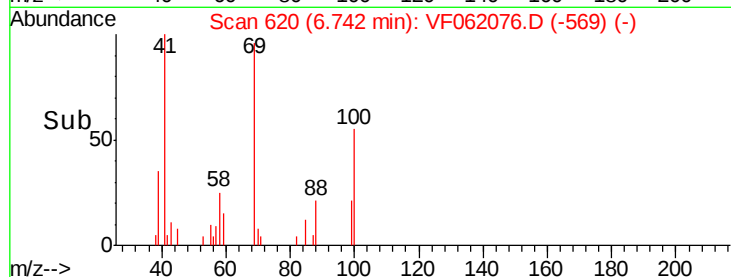
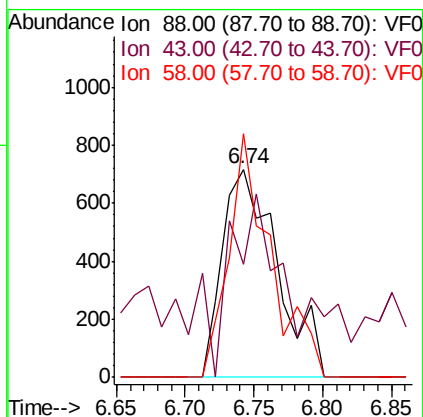
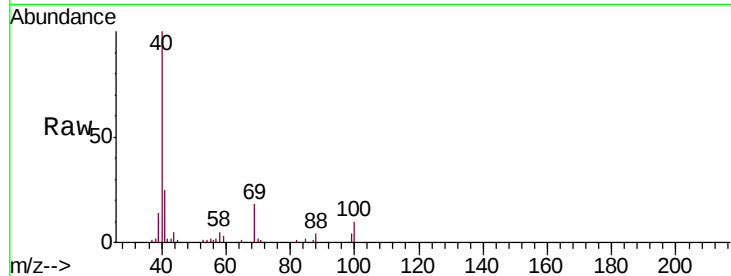




#49
 1,4-Dioxane
 Concen: 181.125 ug/l
 RT: 6.74 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

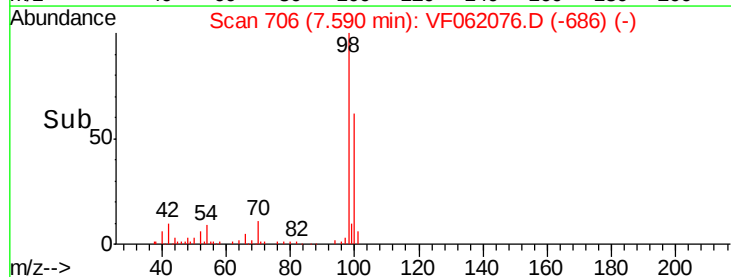
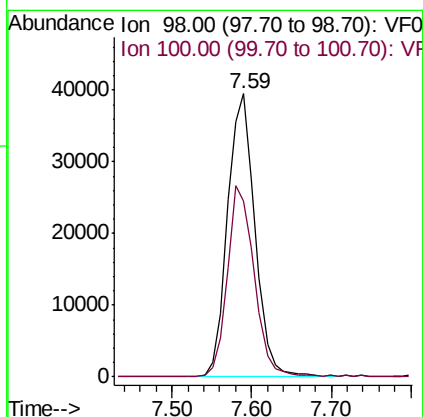
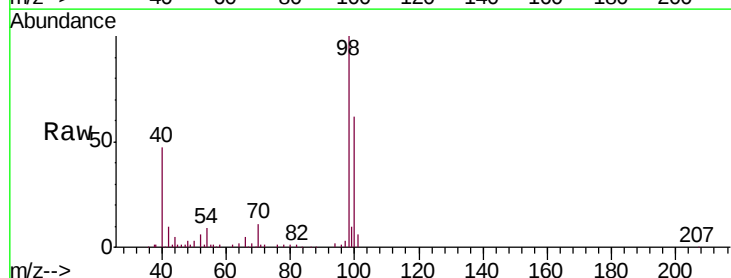
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

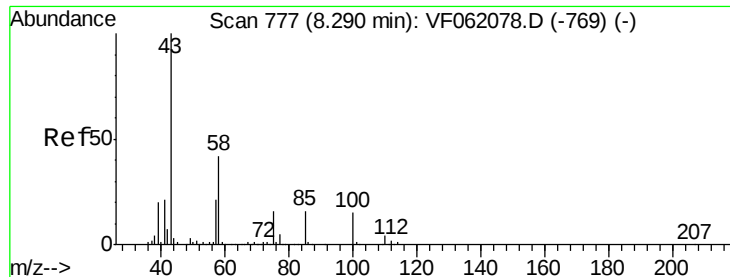
Tgt Ion: 88 Resp: 1990
 Ion Ratio Lower Upper
 88 100
 43 54.0 35.0 52.4#
 58 116.9 49.9 74.9#



#50
 Toluene-d8
 Concen: 10.842 ug/l
 RT: 7.59 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion: 98 Resp: 95503
 Ion Ratio Lower Upper
 98 100
 100 61.9 57.0 85.6

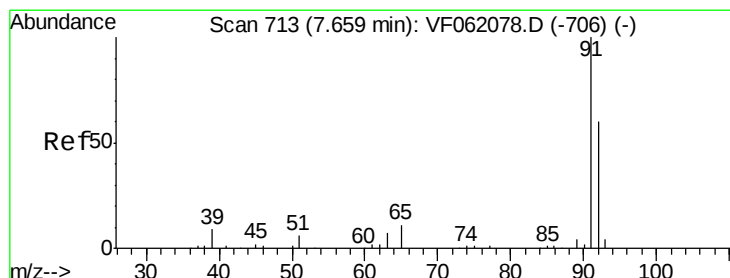
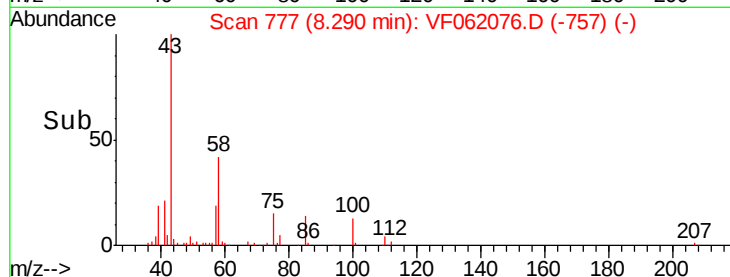
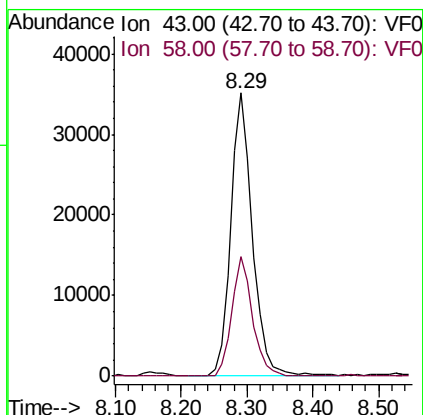
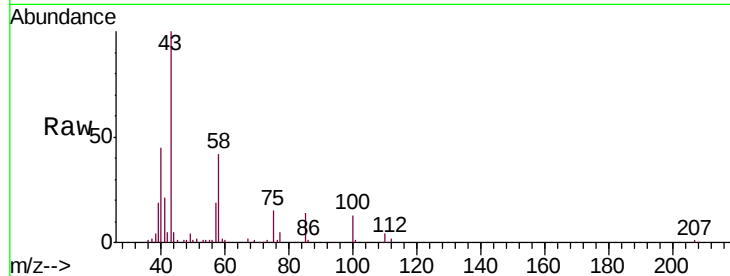




#51
 4-Methyl-2-Pentanone
 Concen: 55.030 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

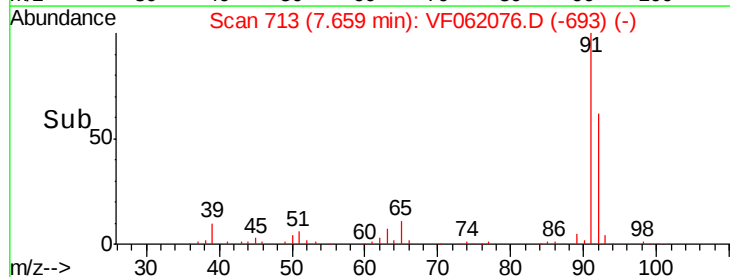
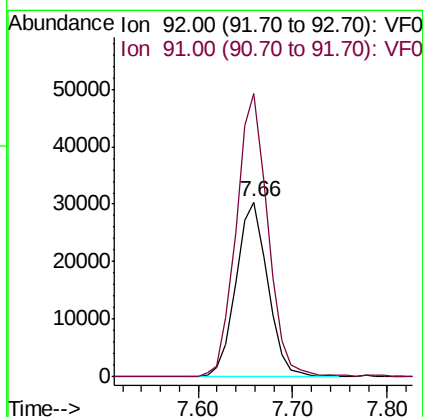
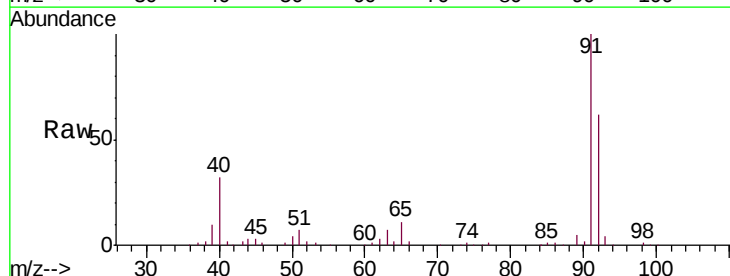
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

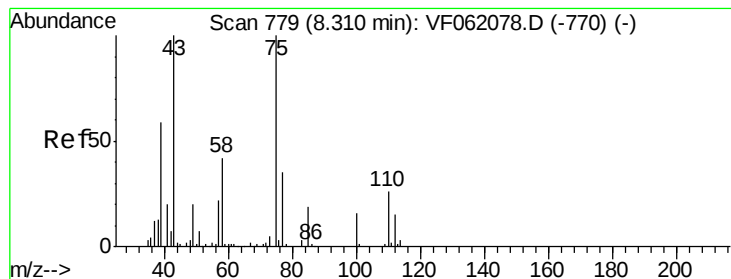
Tgt Ion: 43 Resp: 80999
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.8



#52
 Toluene
 Concen: 10.947 ug/l
 RT: 7.66 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion: 92 Resp: 70624
 Ion Ratio Lower Upper
 92 100
 91 161.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 10.522 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

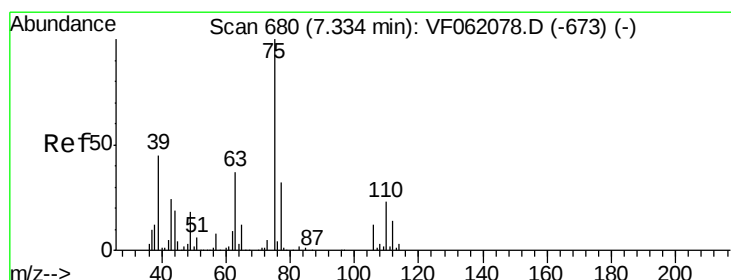
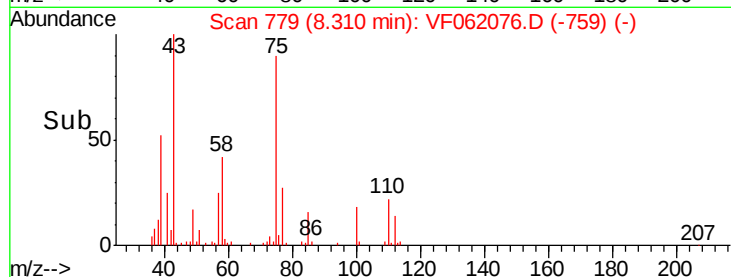
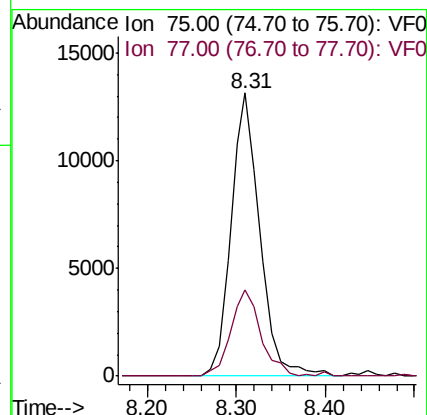
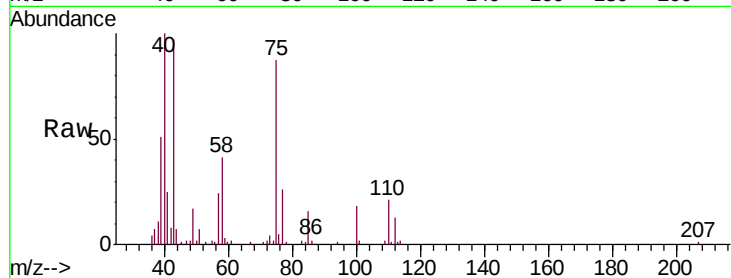
VSTDIC010

Tgt Ion: 75 Resp: 29720

Ion Ratio Lower Upper

75 100

77 30.3 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 10.899 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

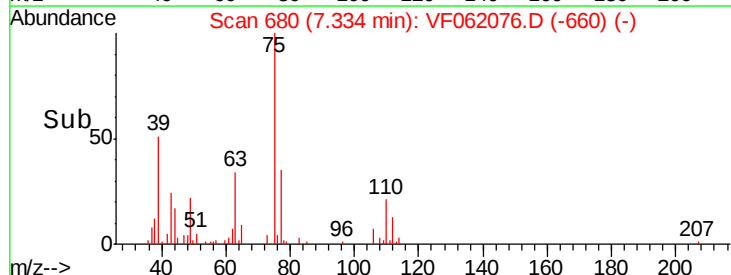
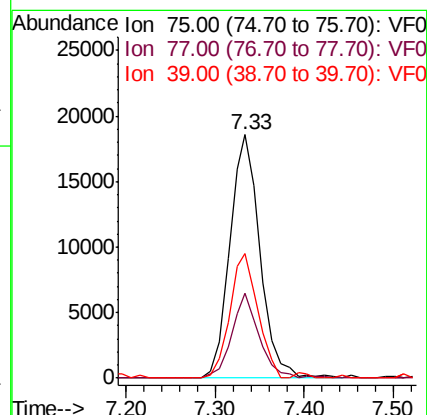
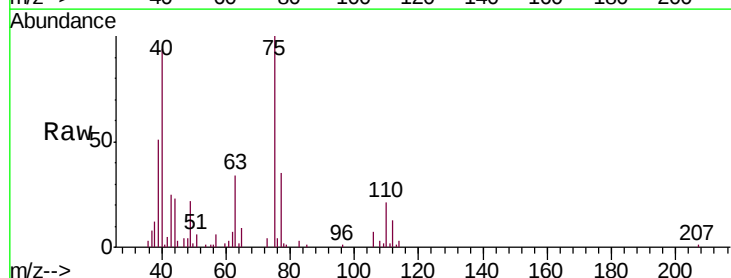
Tgt Ion: 75 Resp: 44047

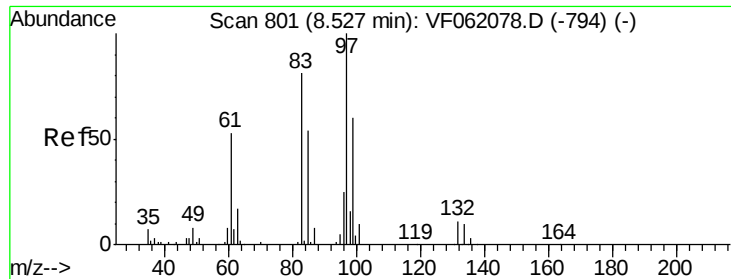
Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.6

39 51.2 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 10.439 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 19130

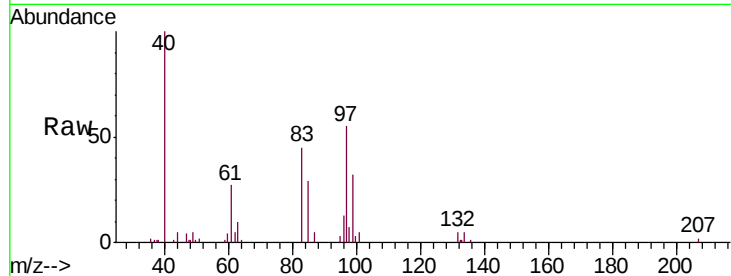
Ion Ratio Lower Upper

97 100

83 83.0 64.6 97.0

85 53.2 43.6 65.4

99 58.2 48.2 72.2

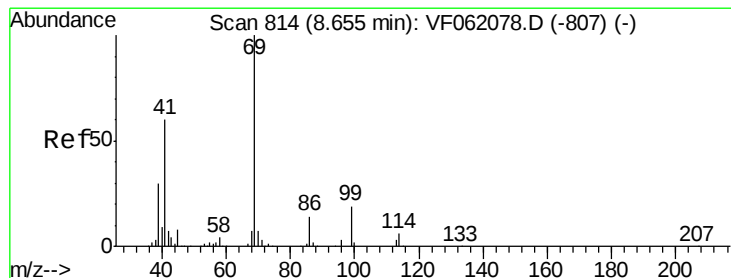
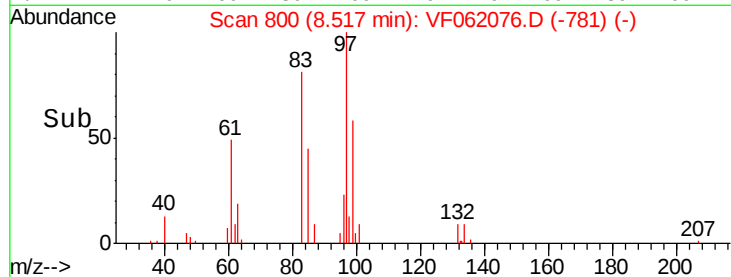
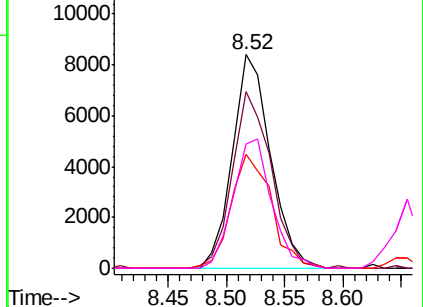


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 10.355 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

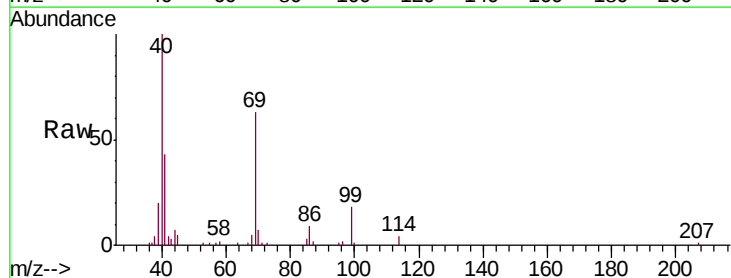
Tgt Ion: 69 Resp: 22631

Ion Ratio Lower Upper

69 100

41 68.6 48.2 72.2

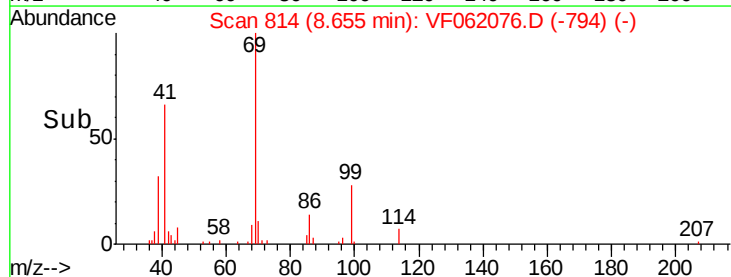
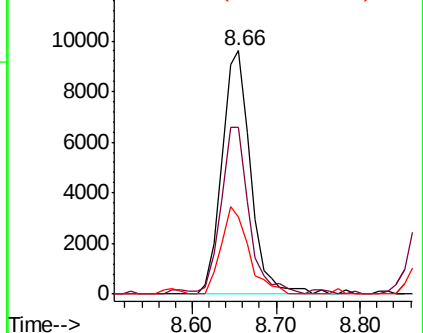
39 31.9 24.0 36.0

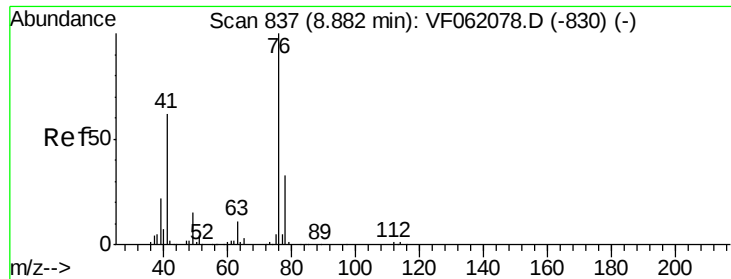


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 10.320 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

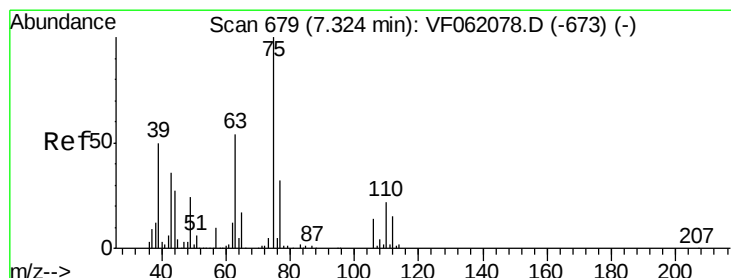
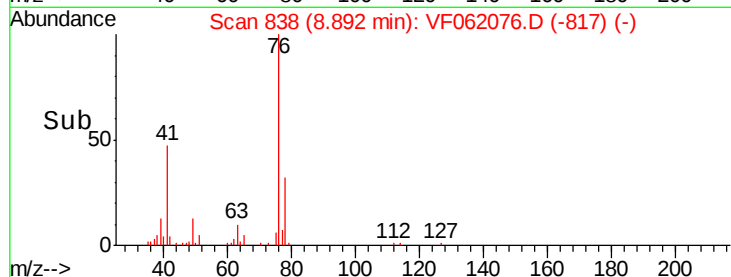
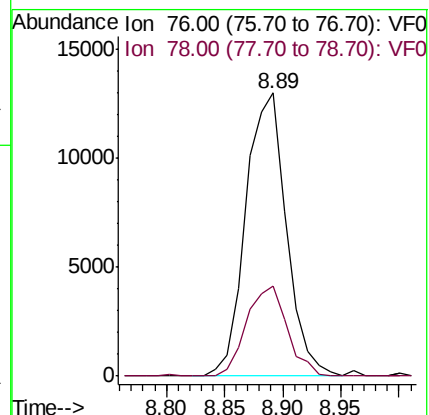
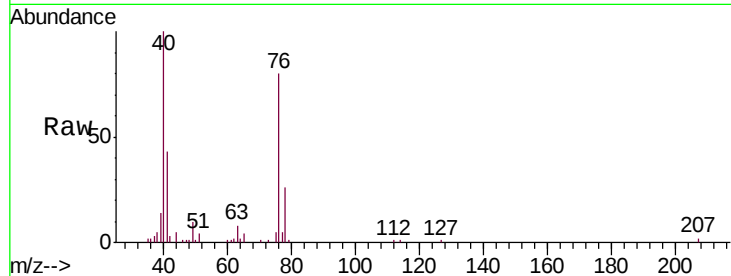
VSTDIC010

Tgt Ion: 76 Resp: 31389

Ion Ratio Lower Upper

76 100

78 32.0 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 47.292 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.00 min

Lab File: VF062076.D

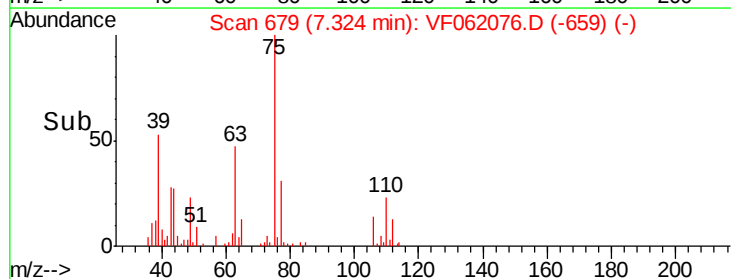
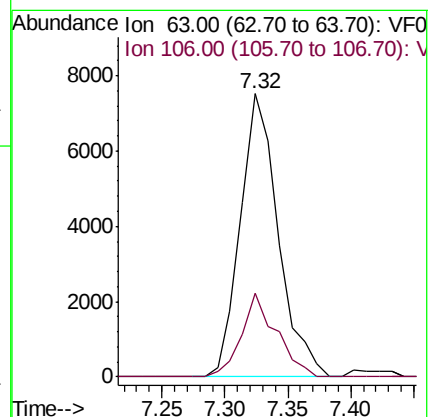
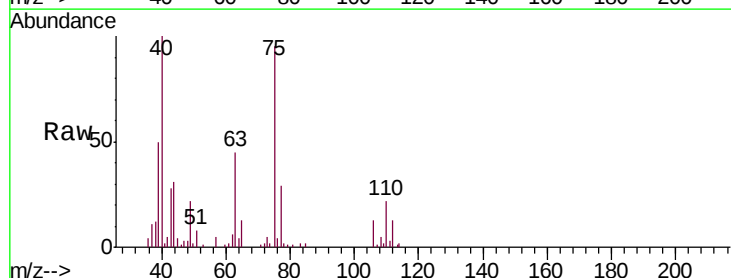
Acq: 22 Mar 2019 11:04

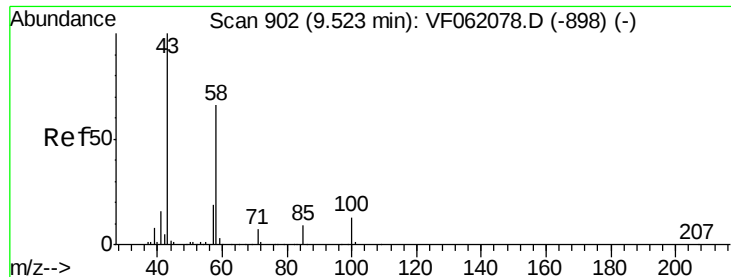
Tgt Ion: 63 Resp: 15684

Ion Ratio Lower Upper

63 100

106 29.5 21.5 32.3

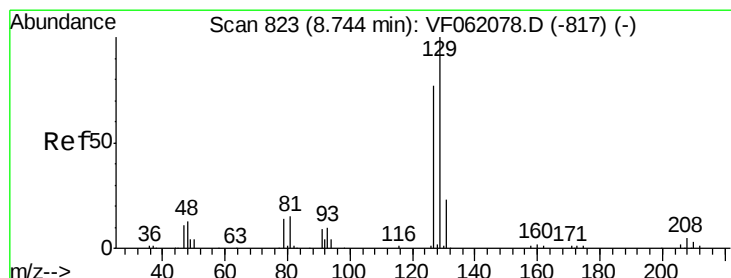
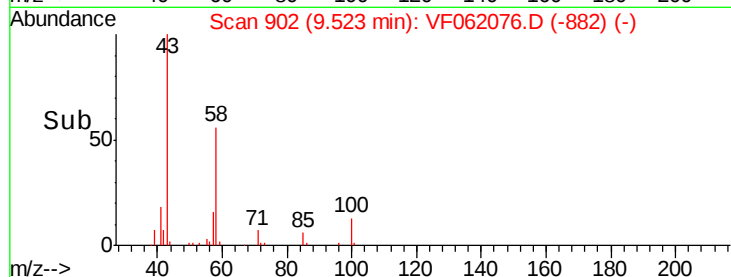
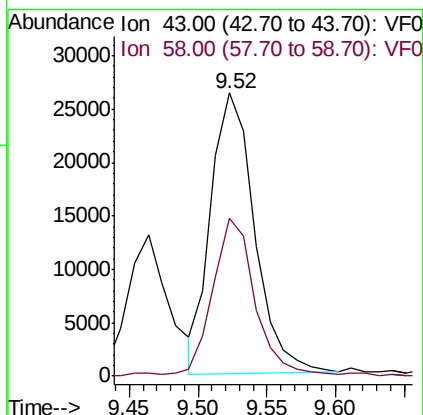
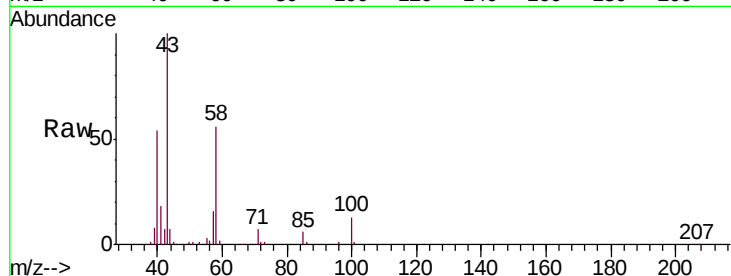




#59
2-Hexanone
Concen: 53.868 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

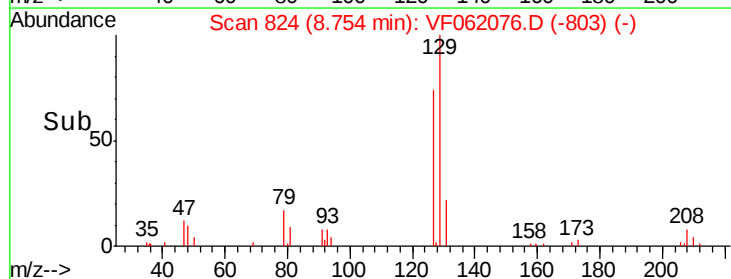
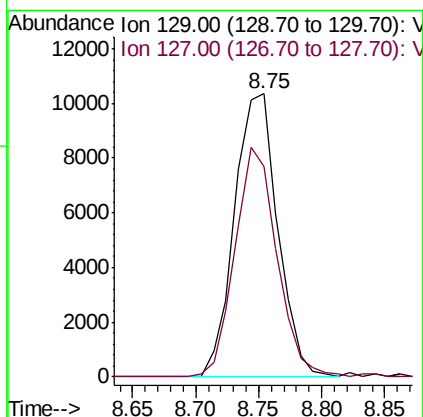
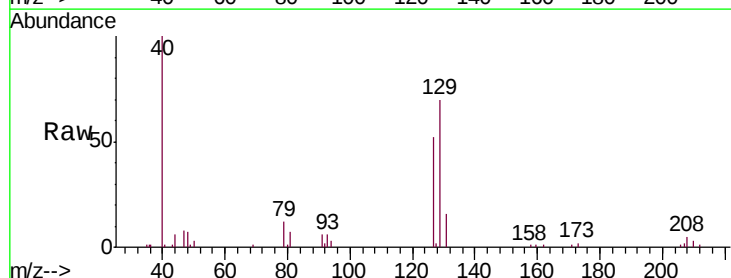
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

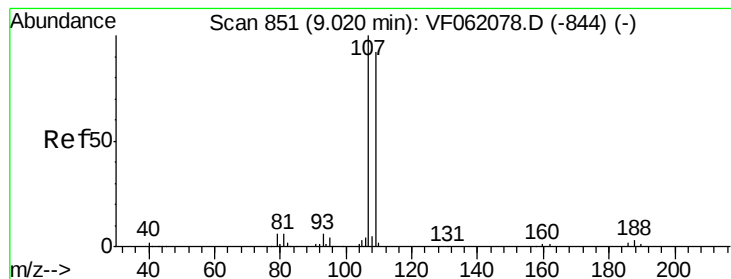
Tgt Ion: 43 Resp: 58111
Ion Ratio Lower Upper
43 100
58 55.8 28.8 86.4



#60
Dibromochloromethane
Concen: 9.669 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion: 129 Resp: 24632
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1





#61

1,2-Dibromoethane

Concen: 10.107 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

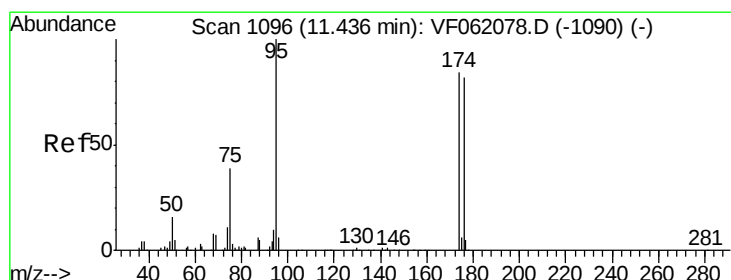
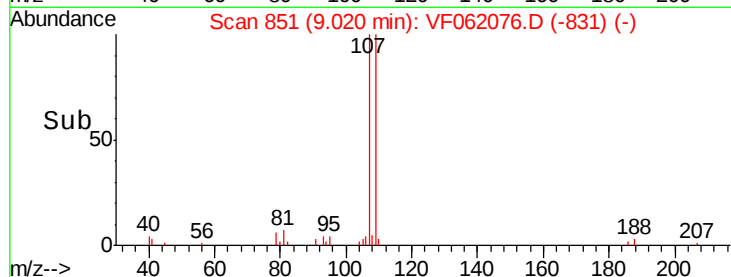
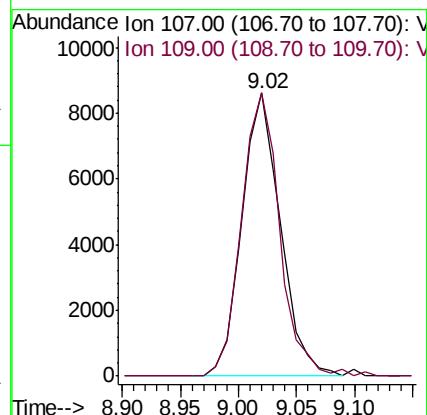
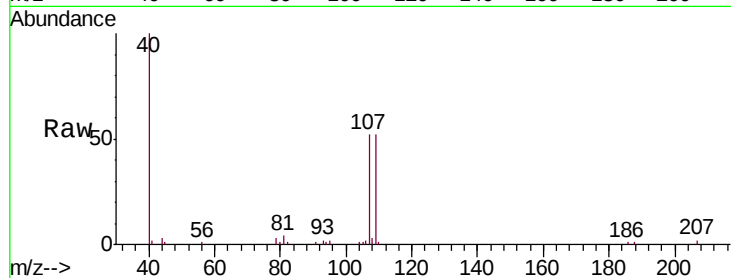
VSTDIC010

Tgt Ion: 107 Resp: 19760

Ion Ratio Lower Upper

107 100

109 100.1 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 10.761 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

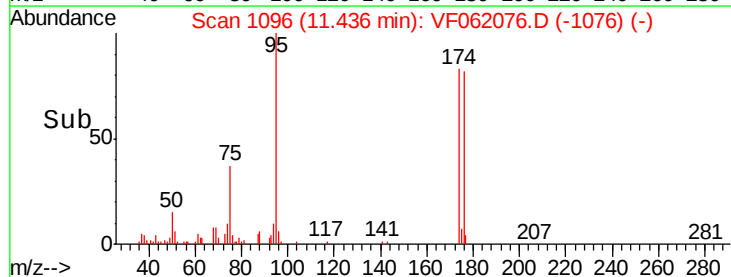
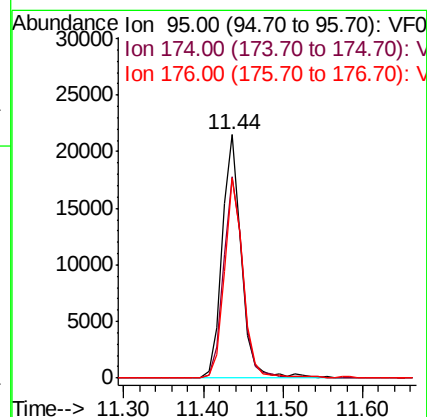
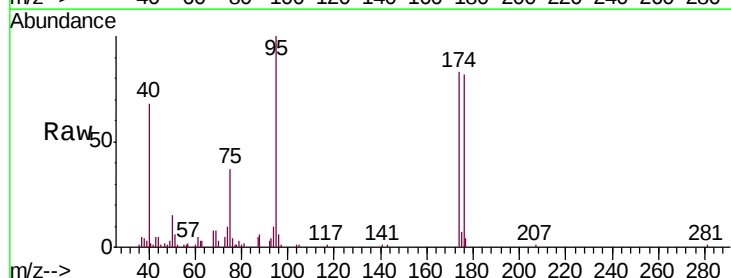
Tgt Ion: 95 Resp: 36594

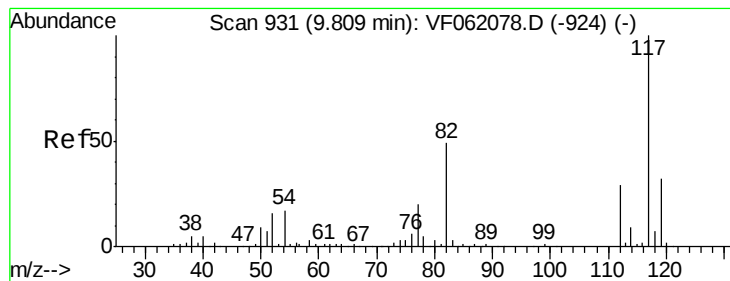
Ion Ratio Lower Upper

95 100

174 82.6 0.0 168.2

176 82.3 0.0 164.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.81 min Scan# 931

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

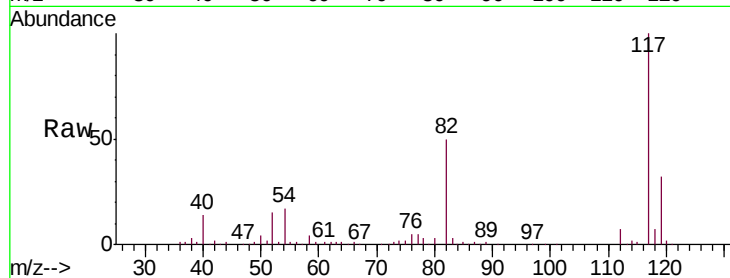
Tgt Ion:117 Resp: 358960

Ion Ratio Lower Upper

117 100

82 50.1 39.2 58.8

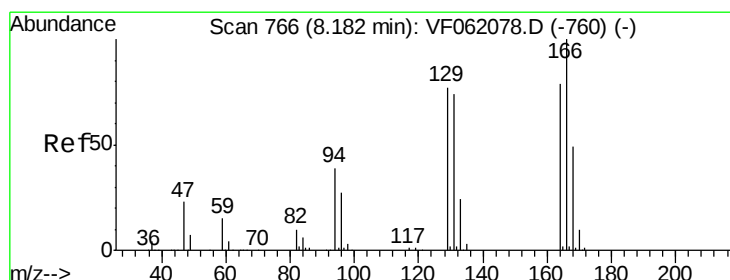
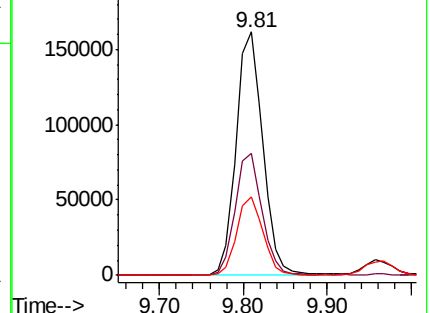
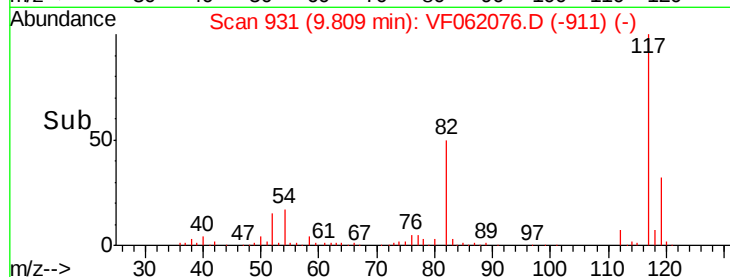
119 32.4 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 11.450 ug/l

RT: 8.18 min Scan# 766

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Tgt Ion:164 Resp: 31754

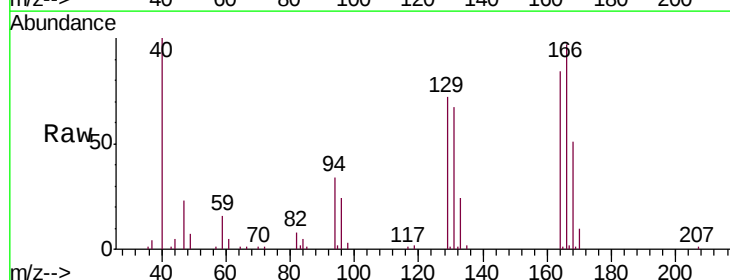
Ion Ratio Lower Upper

164 100

166 115.3 100.9 151.3

129 85.8 77.9 116.9

131 79.9 74.6 112.0

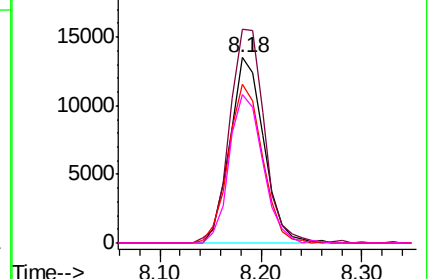
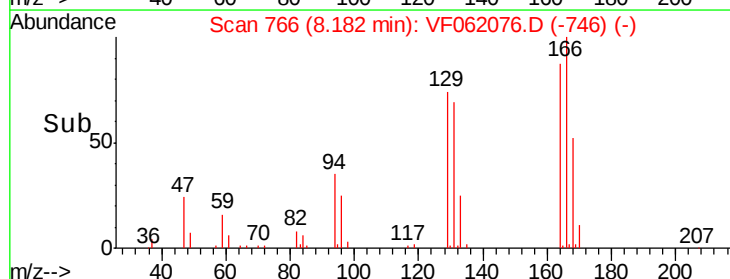


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

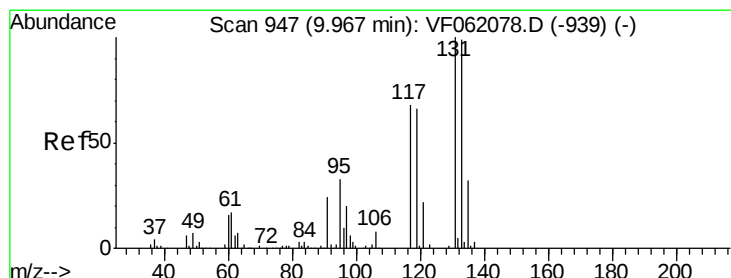
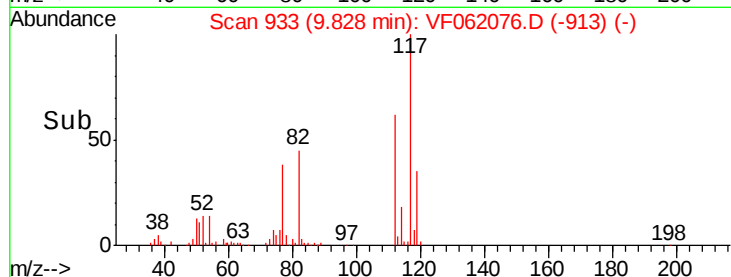
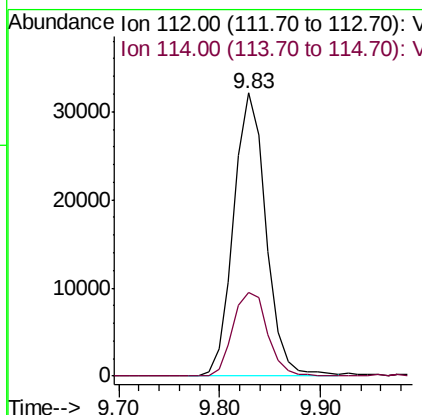
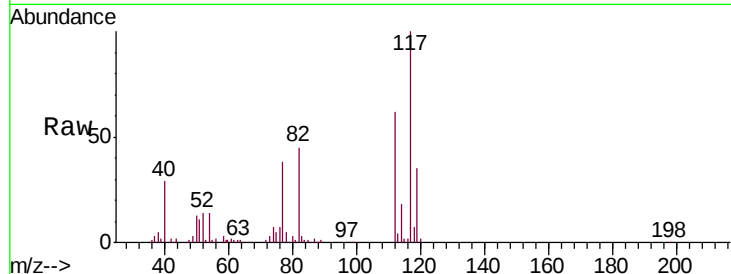




#65
Chlorobenzene
Concen: 10.718 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

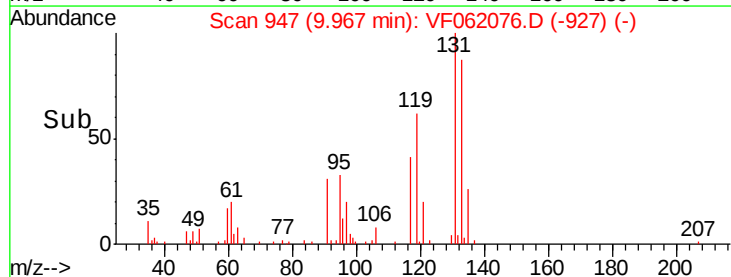
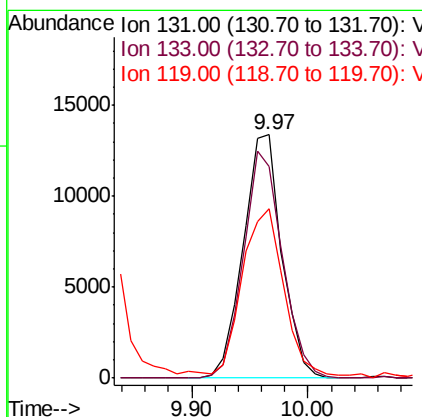
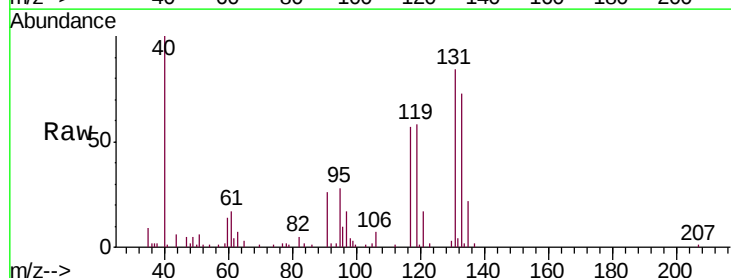
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

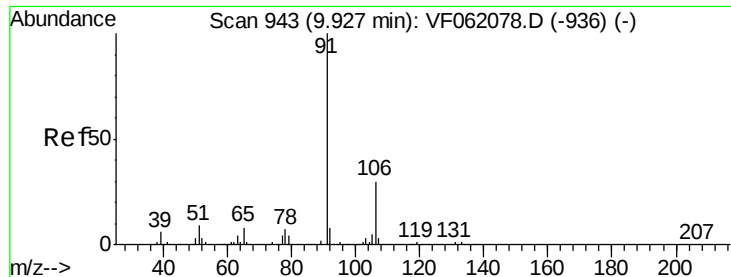
Tgt Ion:112 Resp: 71984
Ion Ratio Lower Upper
112 100
114 29.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 11.378 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion:131 Resp: 30697
Ion Ratio Lower Upper
131 100
133 87.1 49.3 147.8
119 69.6 33.5 100.4





#67

Ethyl Benzene

Concen: 11.118 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

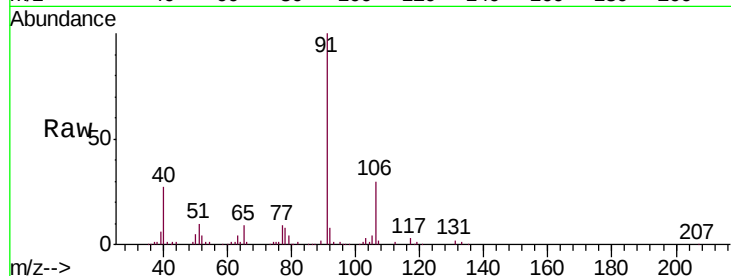
VSTDIC010

Tgt Ion: 91 Resp: 129861

Ion Ratio Lower Upper

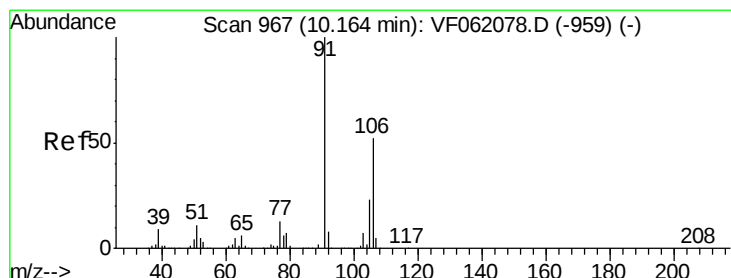
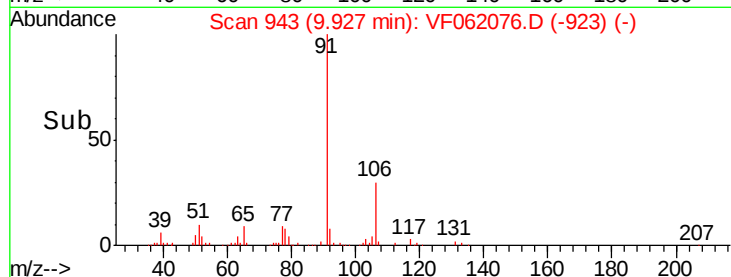
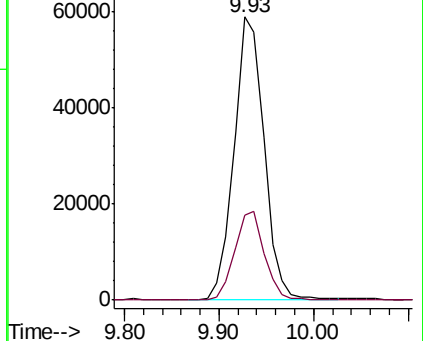
91 100

106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 22.080 ug/l

RT: 10.16 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062076.D

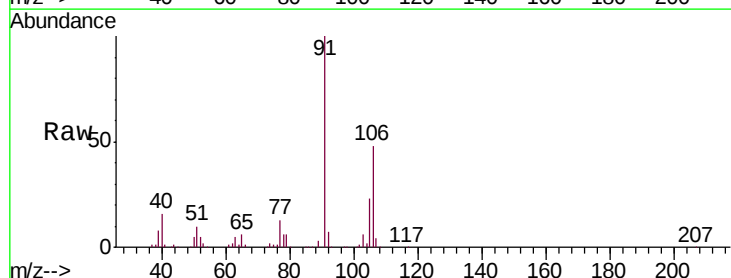
Acq: 22 Mar 2019 11:04

Tgt Ion: 106 Resp: 96394

Ion Ratio Lower Upper

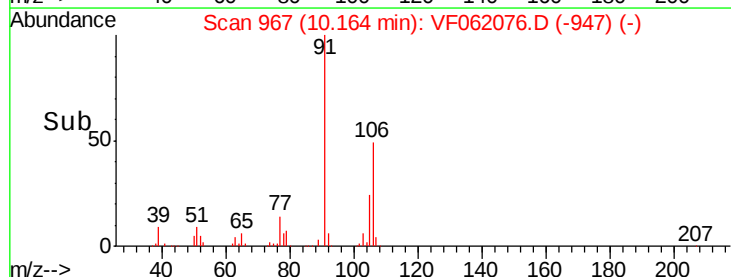
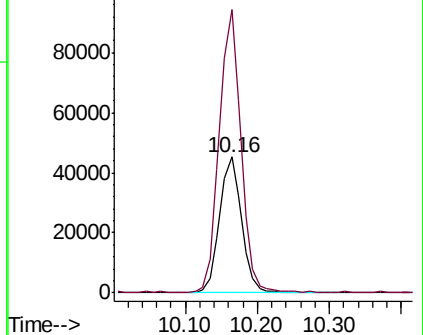
106 100

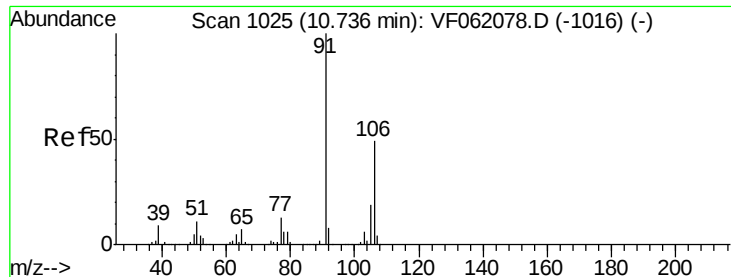
91 208.2 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

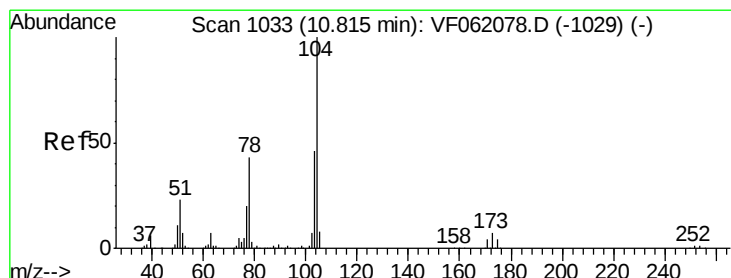
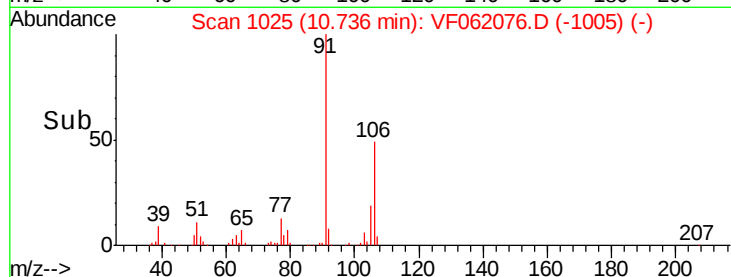
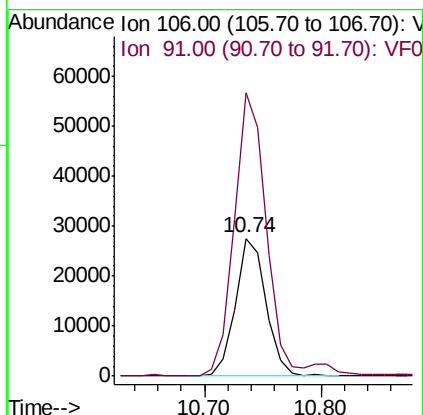
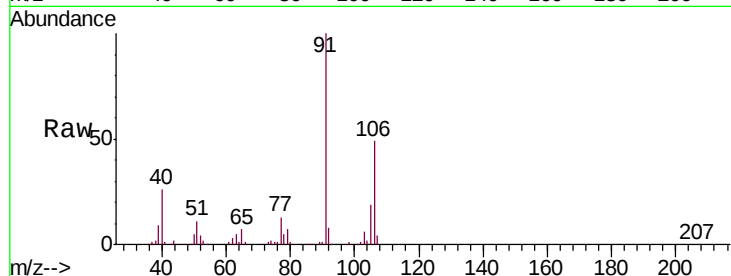




#69
o-Xylene
Concen: 10.968 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

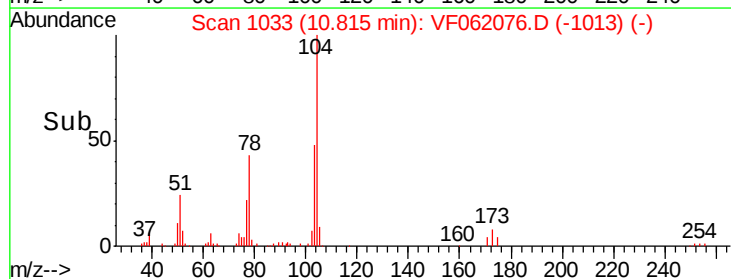
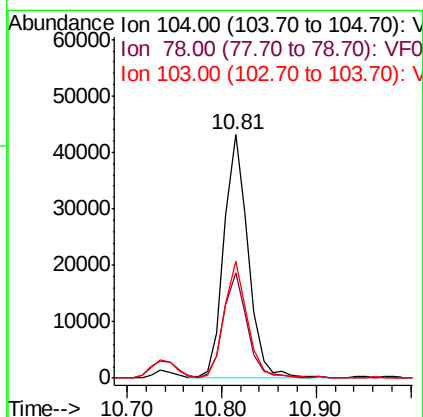
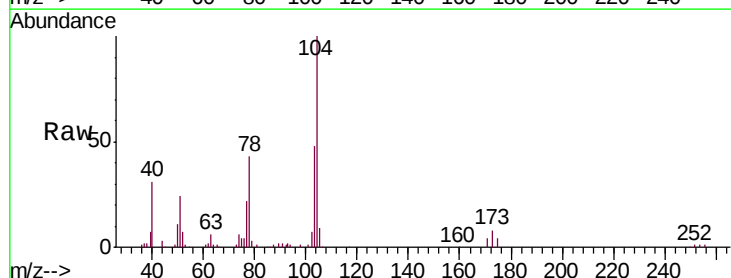
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

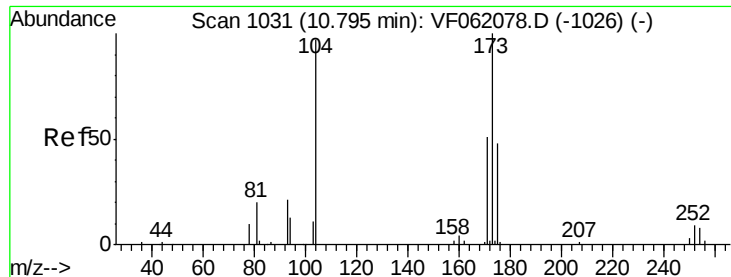
Tgt Ion:106 Resp: 50152
Ion Ratio Lower Upper
106 100
91 205.2 102.6 307.8



#70
Styrene
Concen: 10.966 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion:104 Resp: 75967
Ion Ratio Lower Upper
104 100
78 43.4 34.3 51.5
103 47.9 36.9 55.3





#71

Bromoform

Concen: 10.494 ug/l

RT: 10.80 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

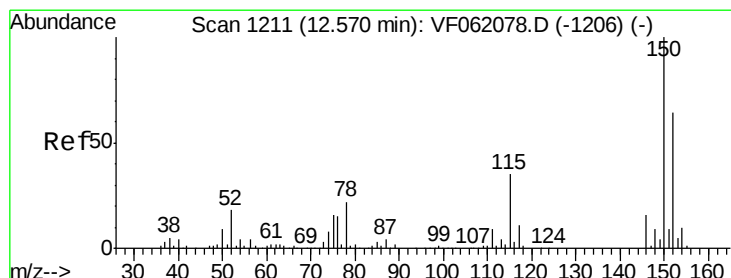
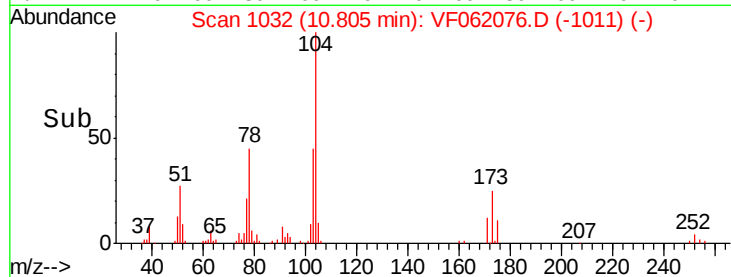
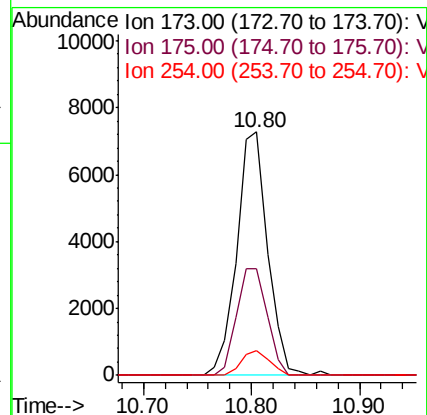
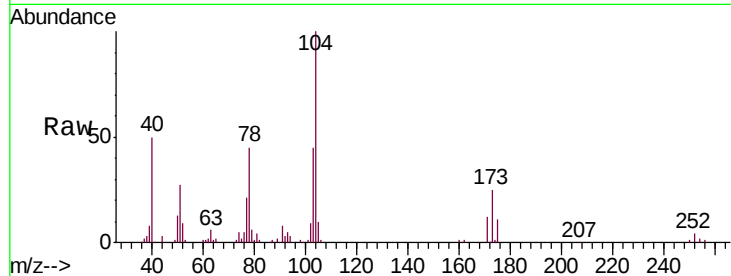
Tgt Ion:173 Resp: 14481

Ion Ratio Lower Upper

173 100

175 43.6 24.1 72.4

254 9.9 6.2 9.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

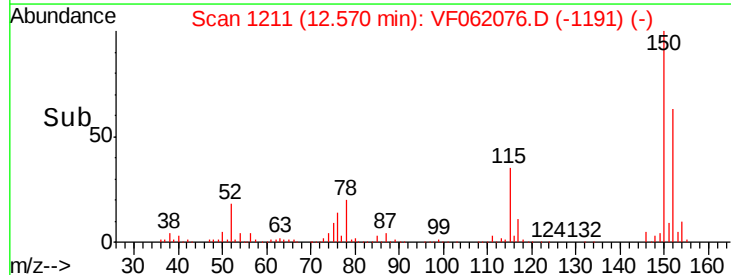
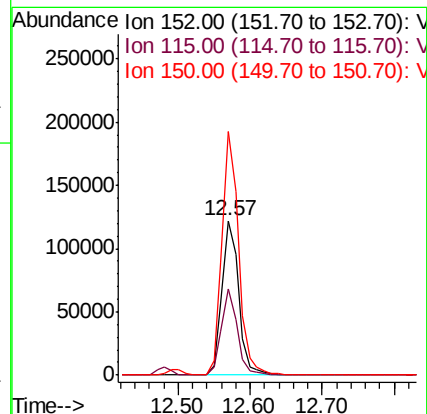
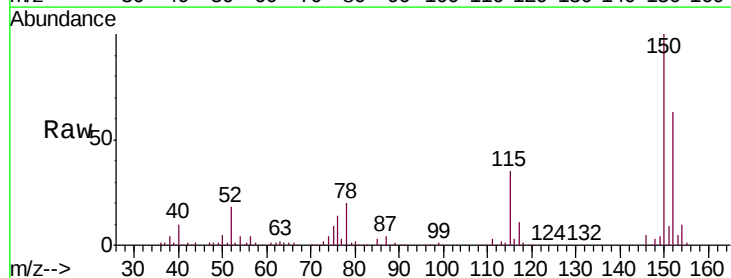
Tgt Ion:152 Resp: 194075

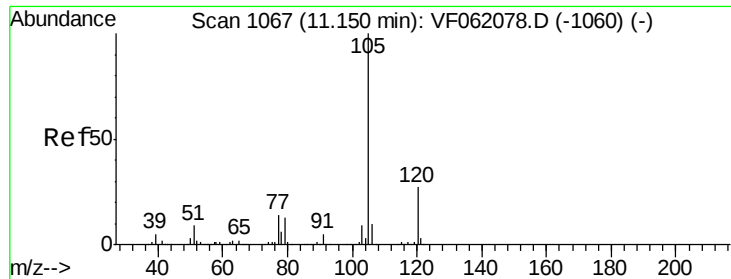
Ion Ratio Lower Upper

152 100

115 55.9 27.7 83.1

150 157.7 0.0 313.2





#73

Isopropylbenzene

Concen: 10.817 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

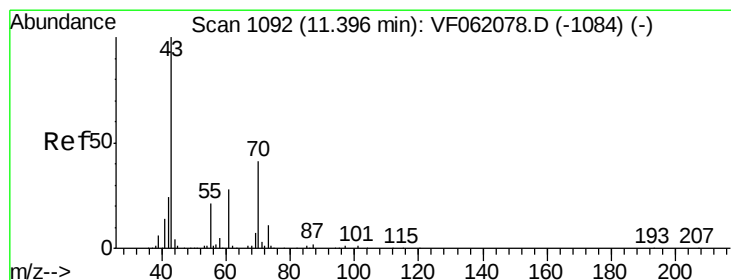
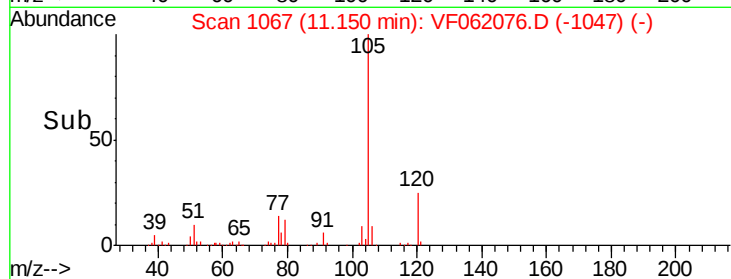
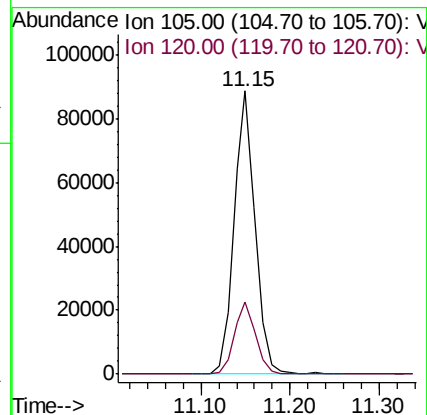
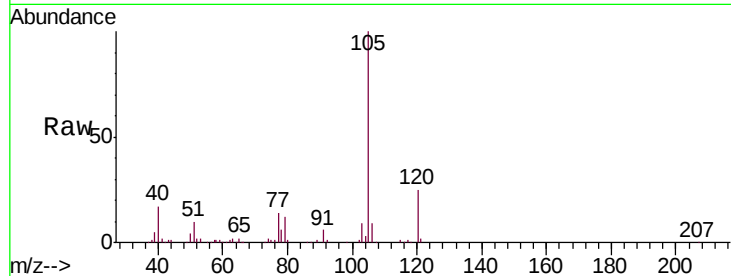
VSTDIC010

Tgt Ion:105 Resp: 147722

Ion Ratio Lower Upper

105 100

120 25.4 13.8 41.3



#74

N-ethyl acetate

Concen: 10.636 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Tgt Ion: 43 Resp: 34610

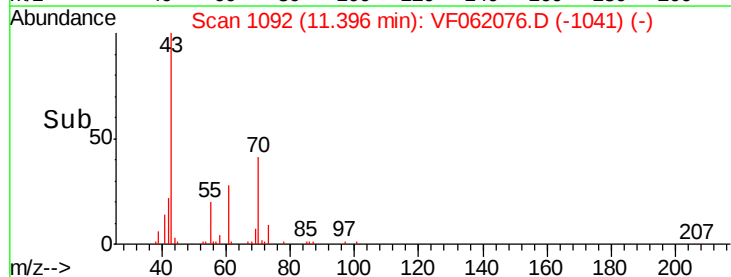
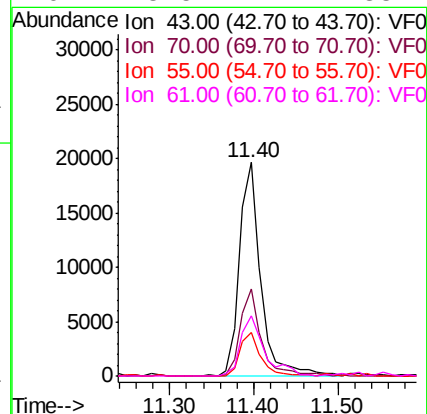
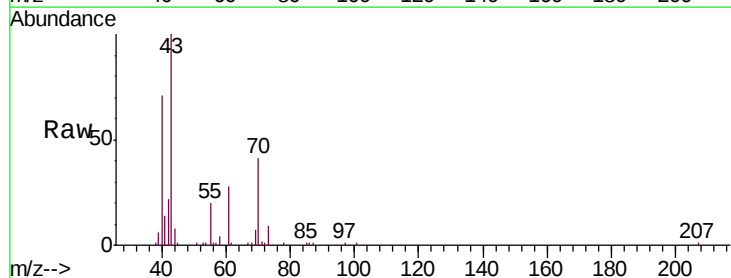
Ion Ratio Lower Upper

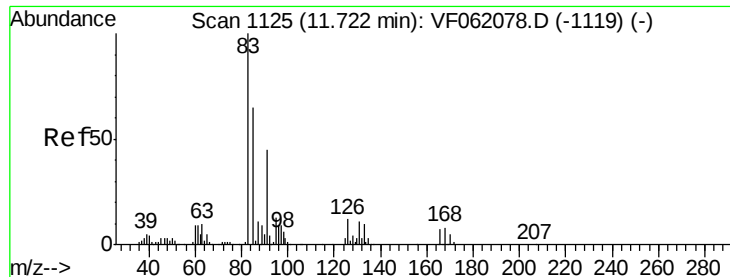
43 100

70 41.0 32.9 49.3

55 20.2 17.1 25.7

61 28.5 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 10.226 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

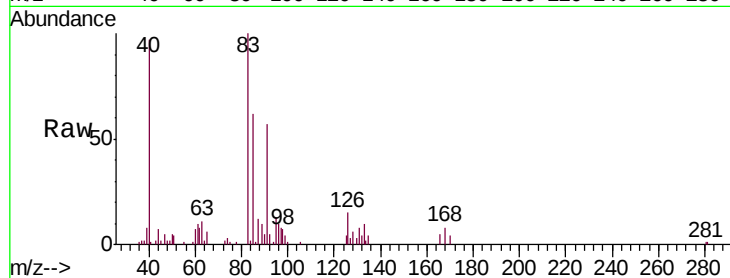
Tgt Ion: 83 Resp: 23978

Ion Ratio Lower Upper

83 100

131 8.5 5.3 15.8

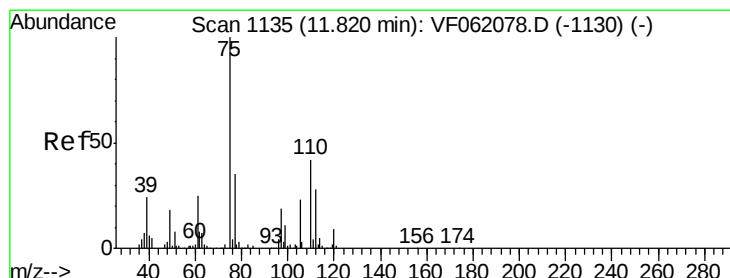
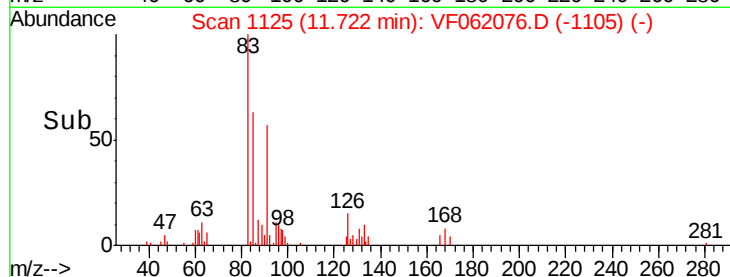
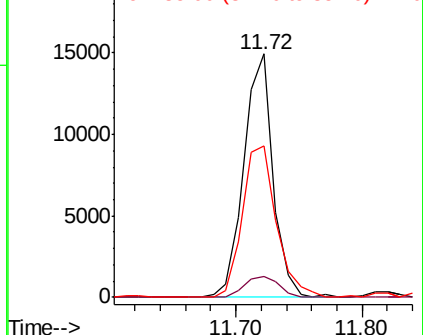
85 62.4 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 10.789 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF062076.D

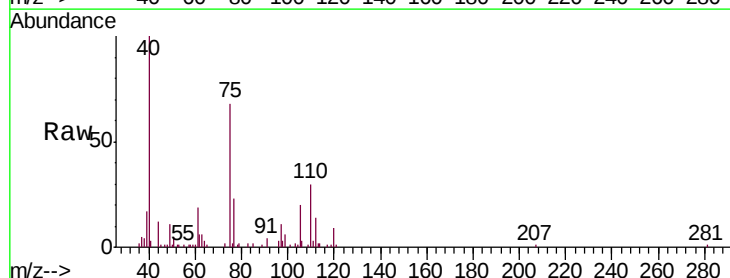
Acq: 22 Mar 2019 11:04

Tgt Ion: 75 Resp: 17804

Ion Ratio Lower Upper

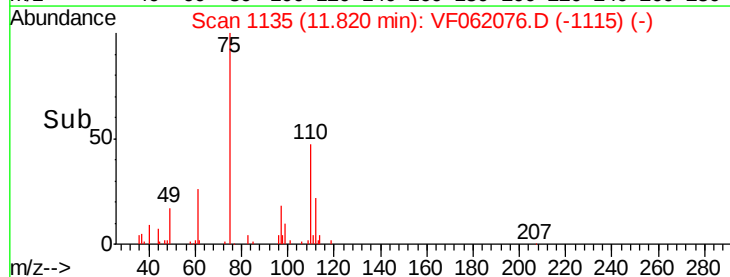
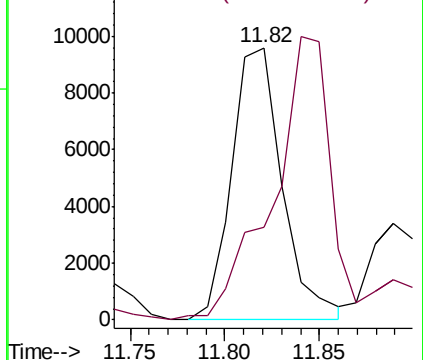
75 100

77 33.9 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.944 ug/l

RT: 11.52 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

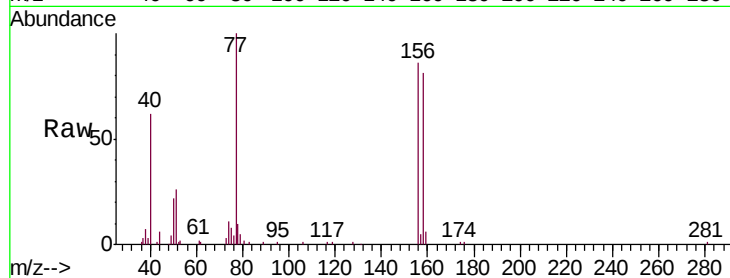
Tgt Ion: 156 Resp: 36515

Ion Ratio Lower Upper

156 100

77 116.0 61.3 183.9

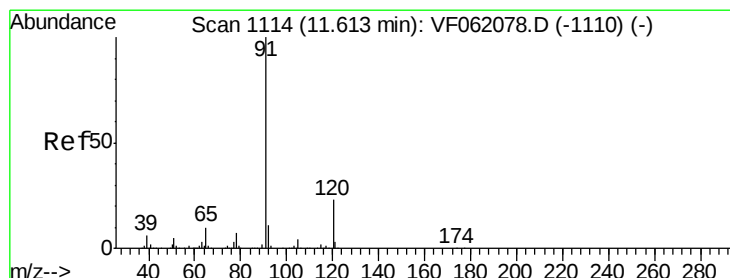
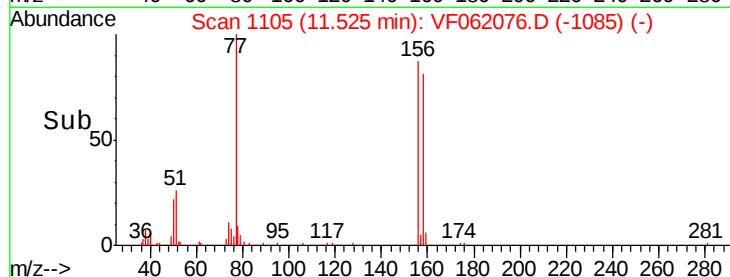
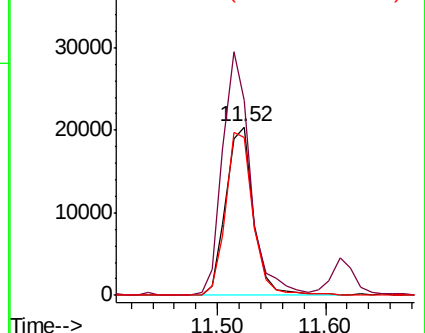
158 93.7 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 11.335 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF062076.D

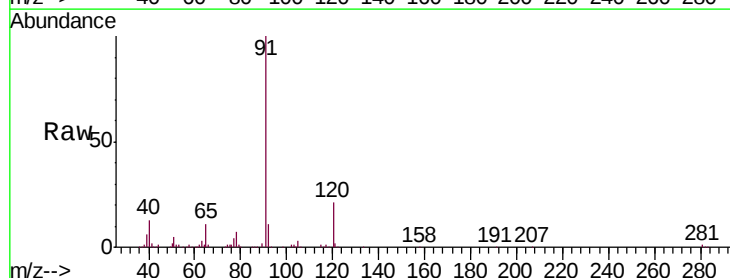
Acq: 22 Mar 2019 11:04

Tgt Ion: 91 Resp: 179738

Ion Ratio Lower Upper

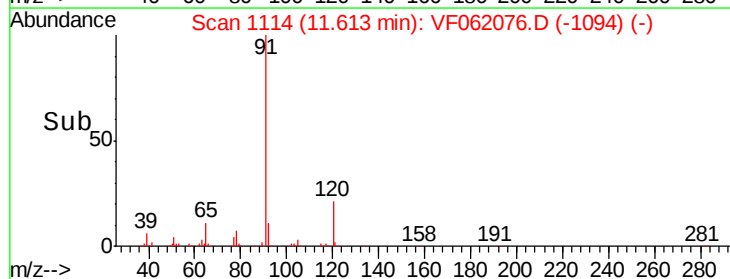
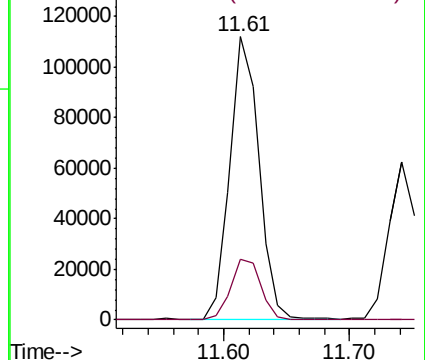
91 100

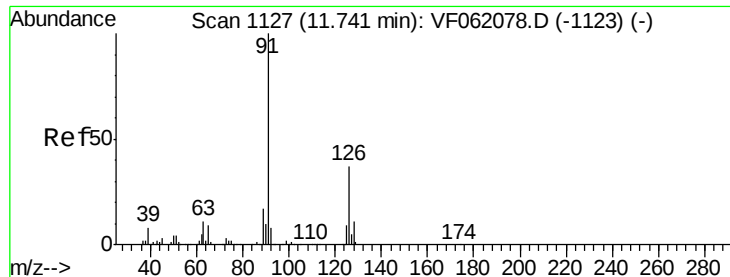
120 21.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.959 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

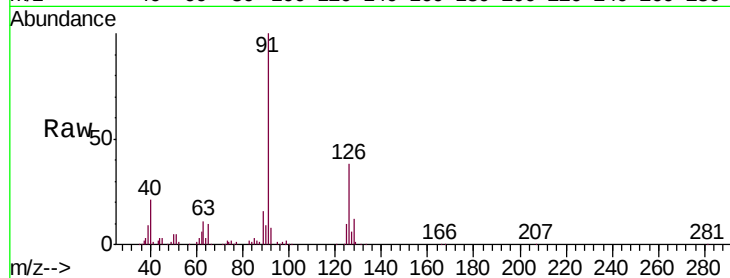
VSTDIC010

Tgt Ion: 91 Resp: 96590

Ion Ratio Lower Upper

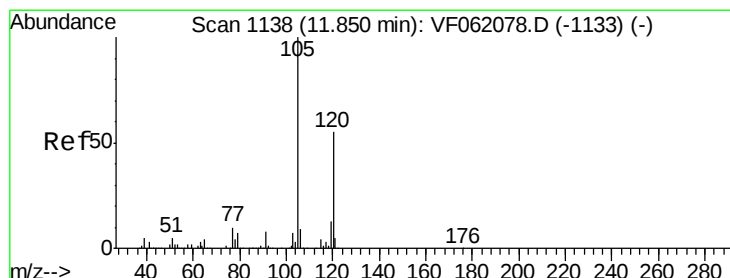
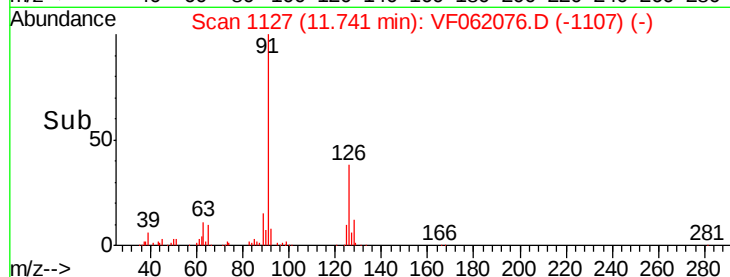
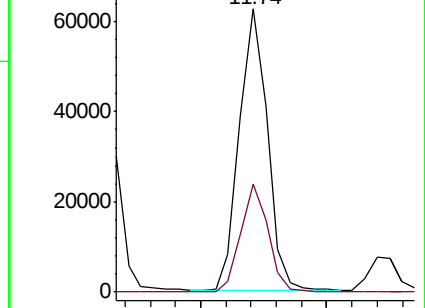
91 100

126 38.1 18.3 54.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 11.049 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF062076.D

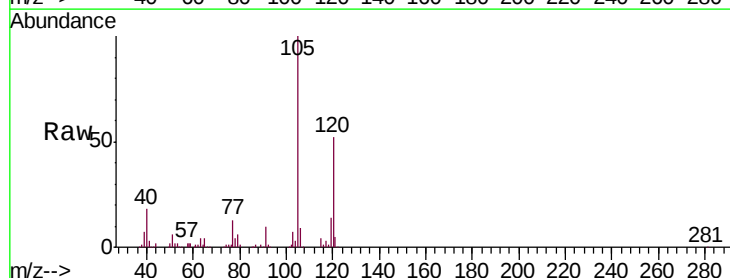
Acq: 22 Mar 2019 11:04

Tgt Ion: 105 Resp: 124116

Ion Ratio Lower Upper

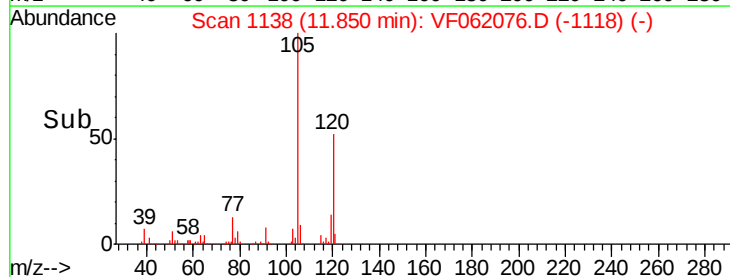
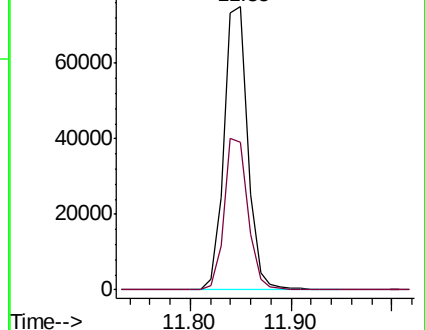
105 100

120 52.1 27.8 83.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.284 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

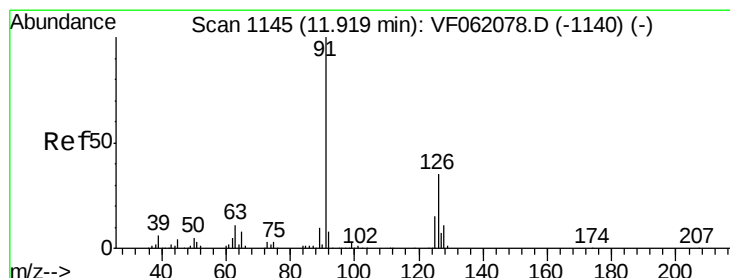
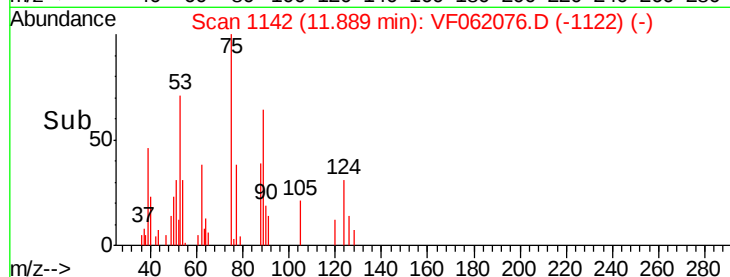
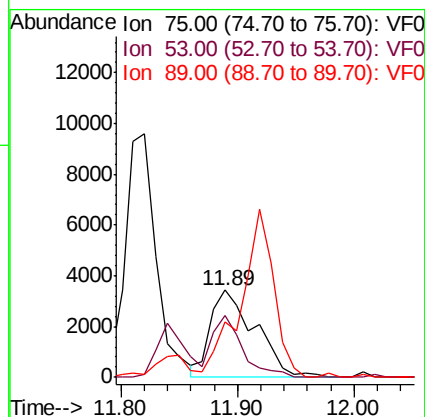
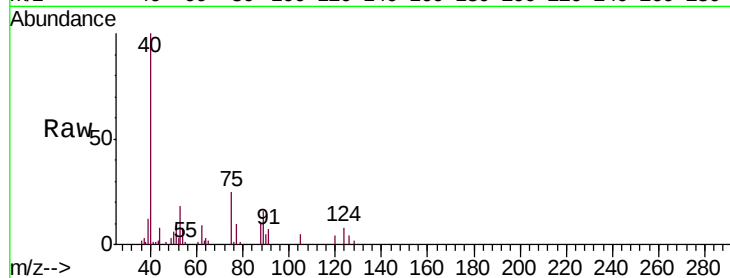
Tgt Ion: 75 Resp: 9153

Ion Ratio Lower Upper

75 100

53 71.1 49.4 74.0

89 63.8 40.6 60.8#



#82

4-Chlorotoluene

Concen: 11.372 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF062076.D

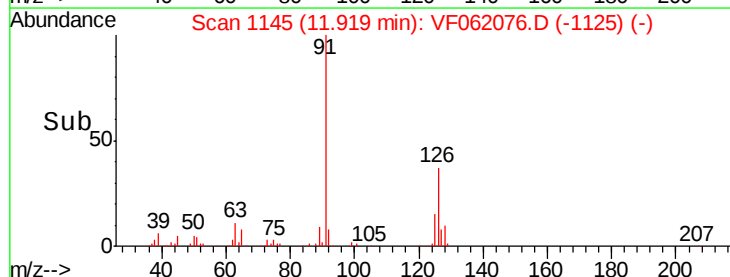
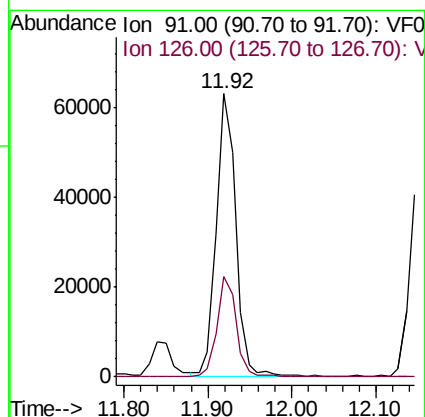
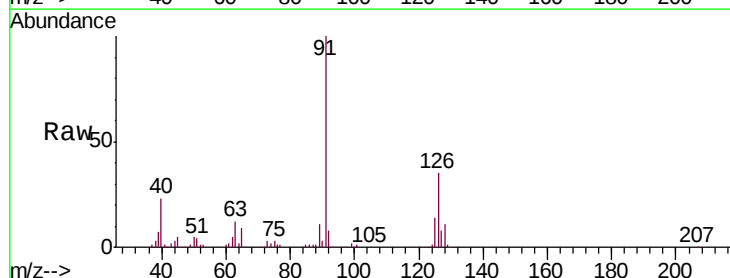
Acq: 22 Mar 2019 11:04

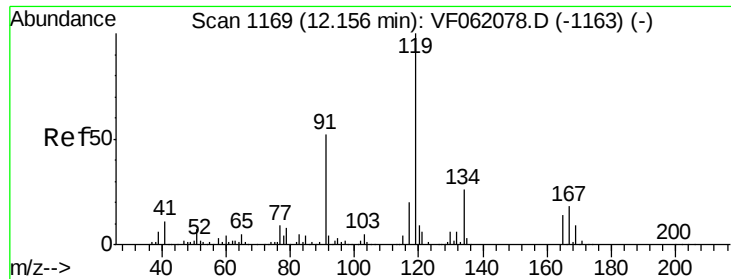
Tgt Ion: 91 Resp: 102769

Ion Ratio Lower Upper

91 100

126 35.3 17.2 51.6

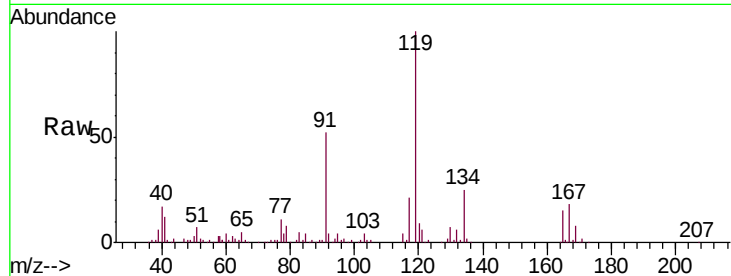




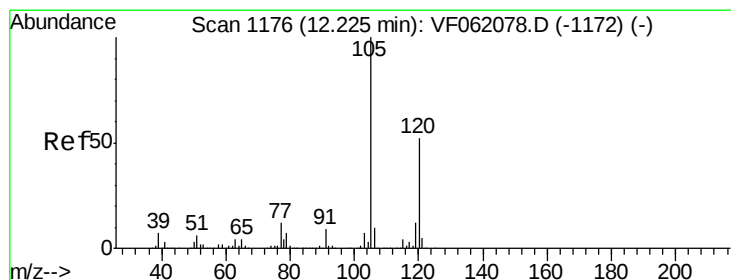
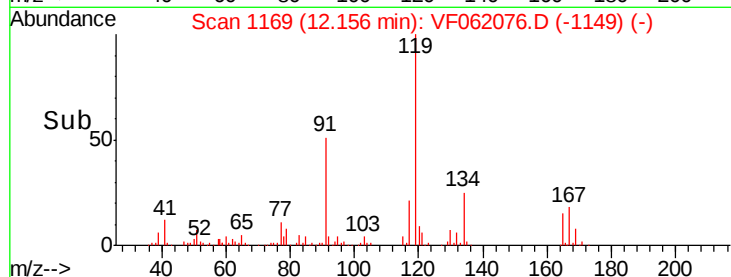
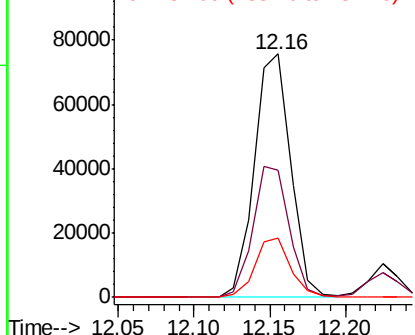
#83
 tert-Butylbenzene
 Concen: 10.888 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 128026
 Ion Ratio Lower Upper
 119 100
 91 52.1 26.1 78.2
 134 24.6 12.8 38.4

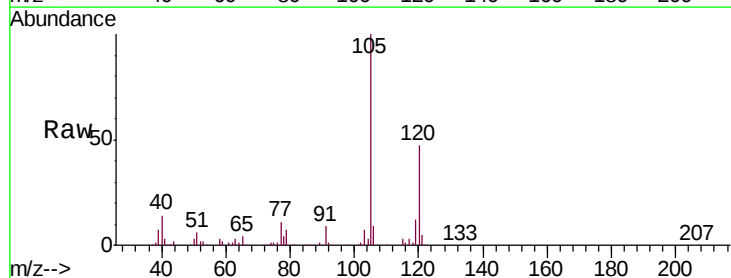


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

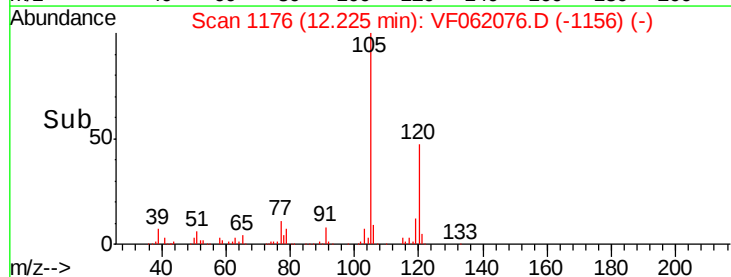
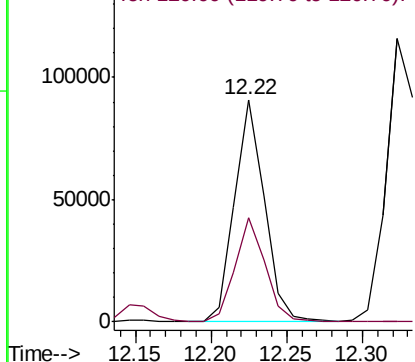


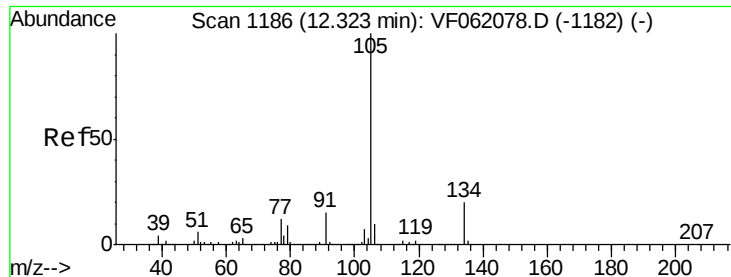
#84
 1,2,4-Trimethylbenzene
 Concen: 11.369 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion:105 Resp: 125193
 Ion Ratio Lower Upper
 105 100
 120 47.1 26.1 78.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

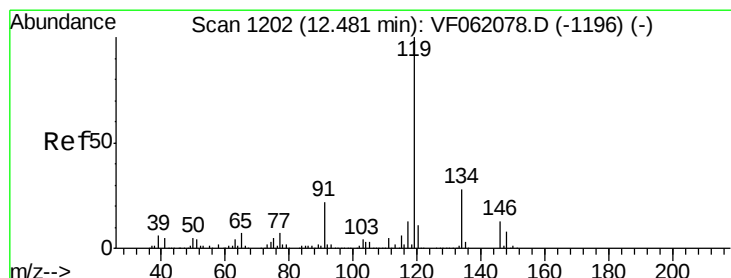
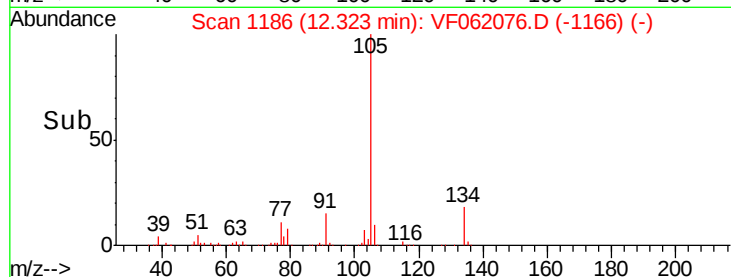
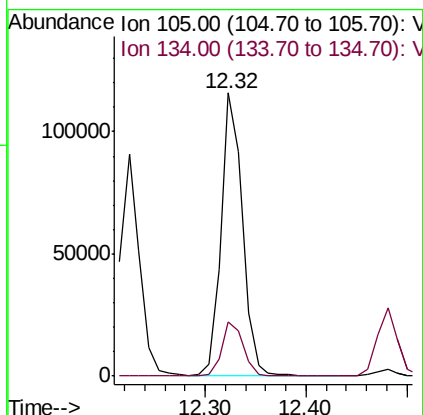
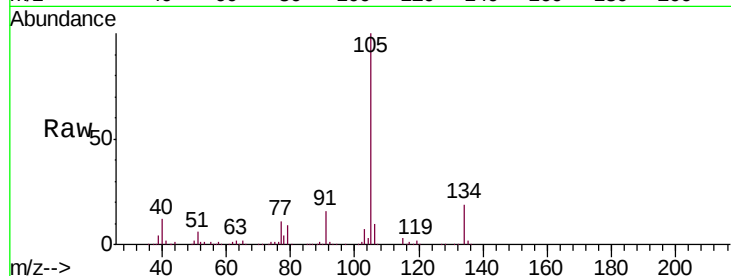




#85
 sec-Butylbenzene
 Concen: 11.289 ug/l
 RT: 12.32 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

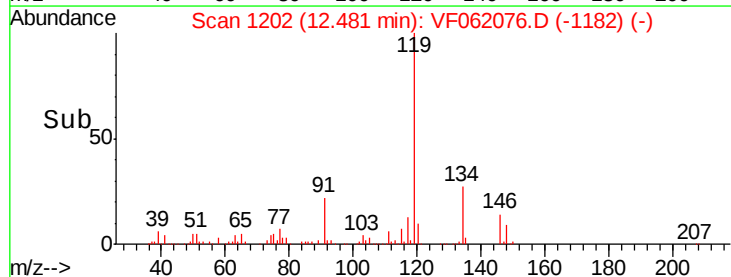
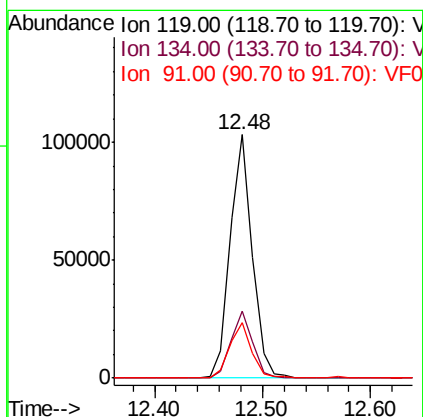
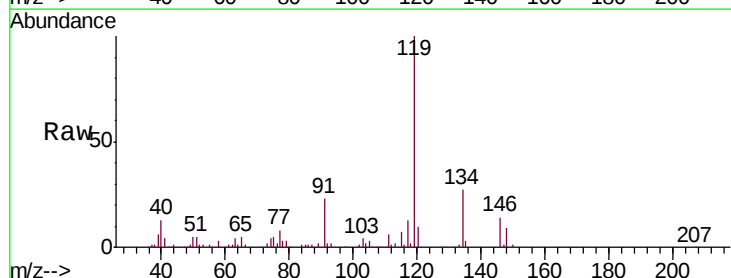
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

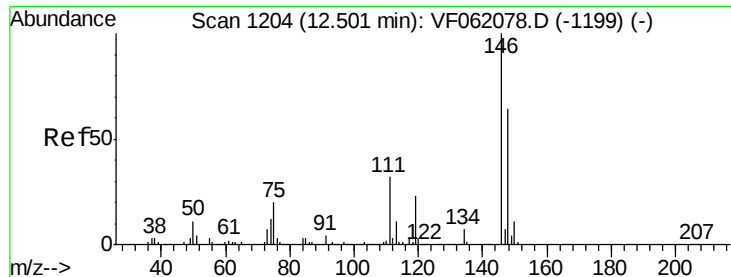
Tgt Ion:105 Resp: 171727
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 11.196 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion:119 Resp: 147556
 Ion Ratio Lower Upper
 119 100
 134 27.3 14.0 42.0
 91 22.5 10.8 32.4

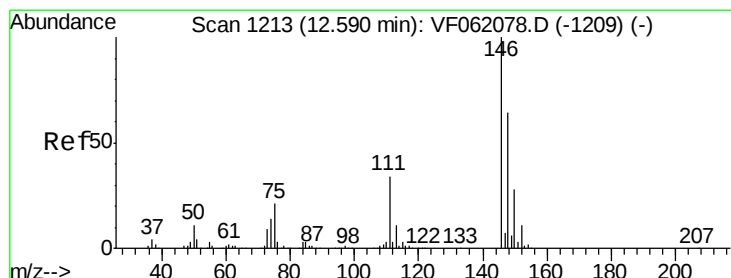
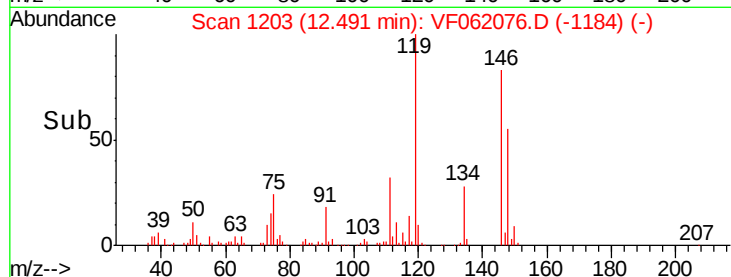
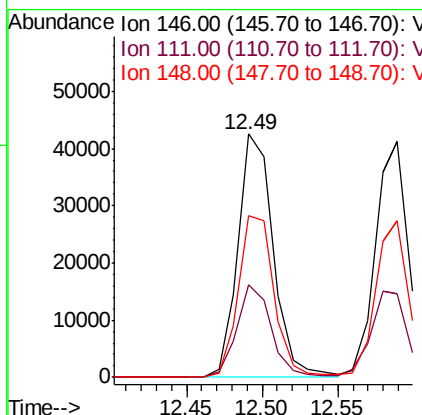
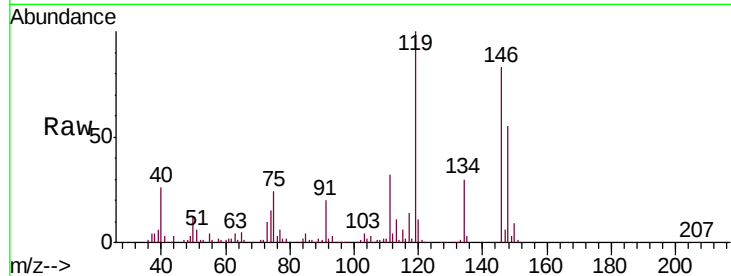




#87
 1,3-Dichlorobenzene
 Concen: 11.136 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

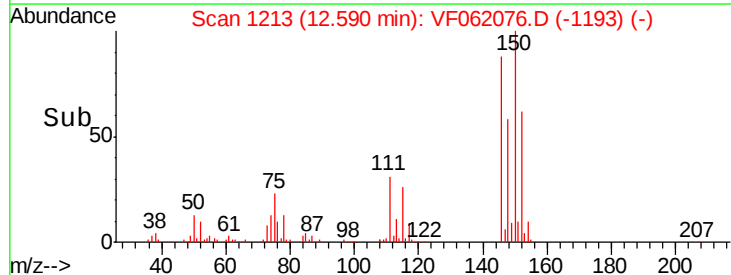
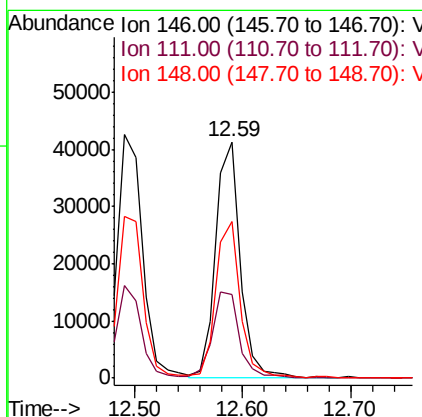
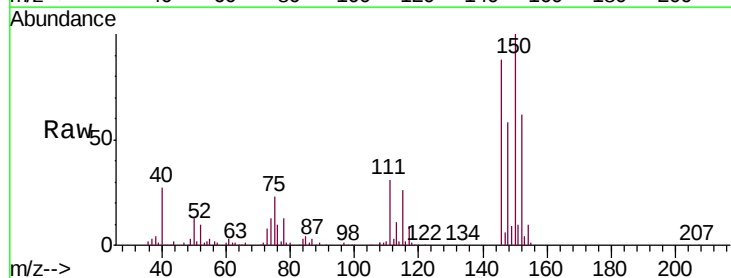
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

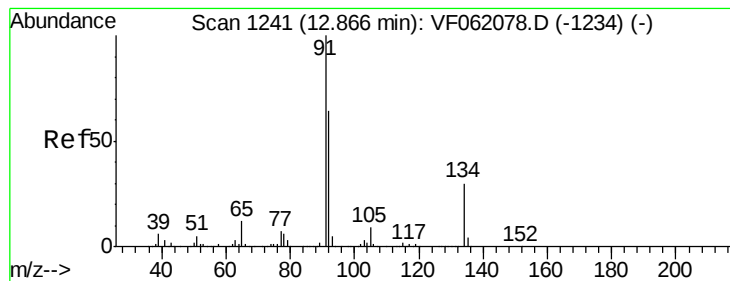
Tgt Ion:146 Resp: 69032
 Ion Ratio Lower Upper
 146 100
 111 38.0 16.1 48.3
 148 66.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 10.779 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion:146 Resp: 65200
 Ion Ratio Lower Upper
 146 100
 111 35.2 16.9 50.6
 148 66.2 31.9 95.7





#89

n-Butylbenzene

Concen: 11.453 ug/l

RT: 12.87 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

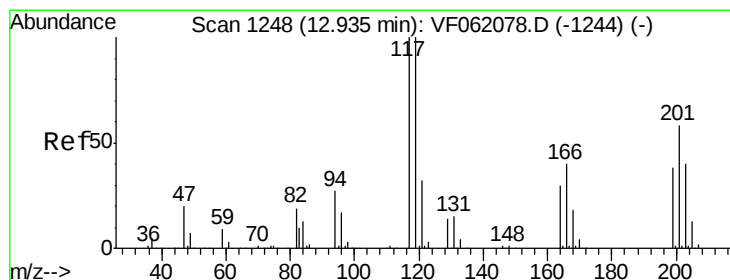
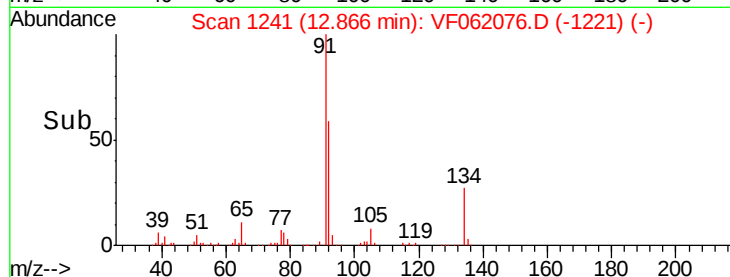
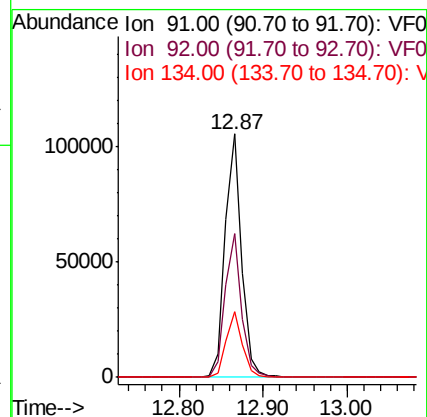
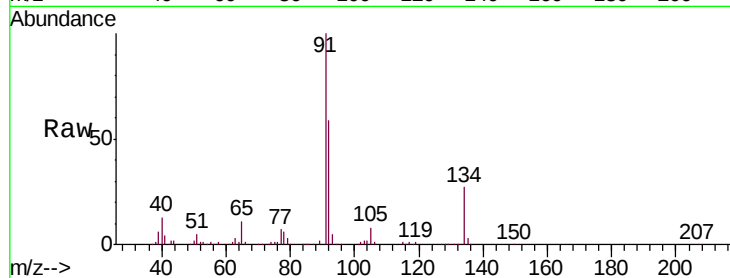
Tgt Ion: 91 Resp: 144006

Ion Ratio Lower Upper

91 100

92 59.1 31.9 95.5

134 26.8 14.9 44.9



#90

Hexachloroethane

Concen: 10.819 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VF062076.D

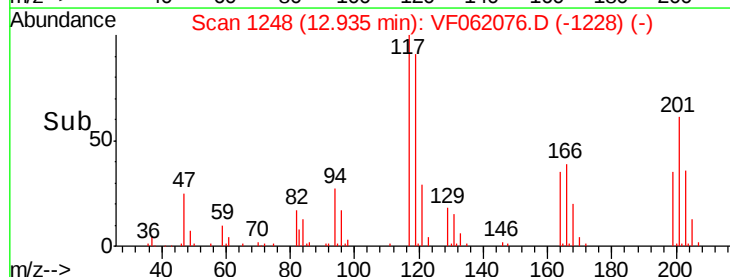
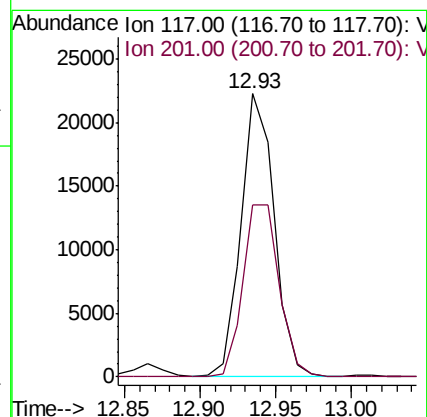
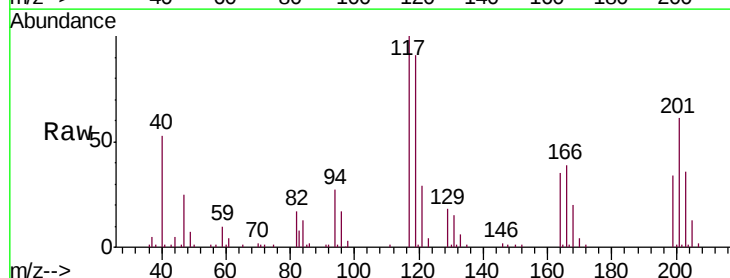
Acq: 22 Mar 2019 11:04

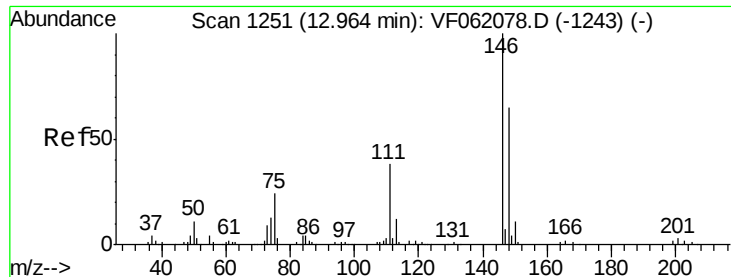
Tgt Ion: 117 Resp: 33951

Ion Ratio Lower Upper

117 100

201 60.8 28.7 86.1





#91

1,2-Dichlorobenzene

Concen: 11.657 ug/l

RT: 12.96 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

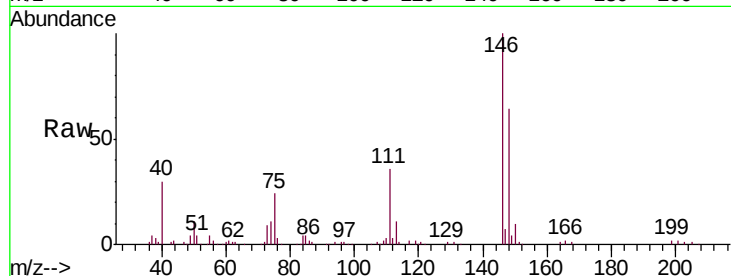
Tgt Ion:146 Resp: 67851

Ion Ratio Lower Upper

146 100

111 36.0 19.1 57.3

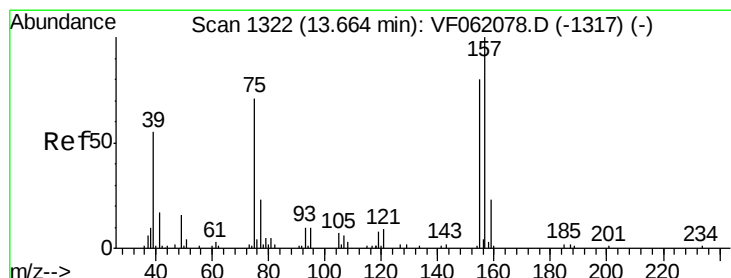
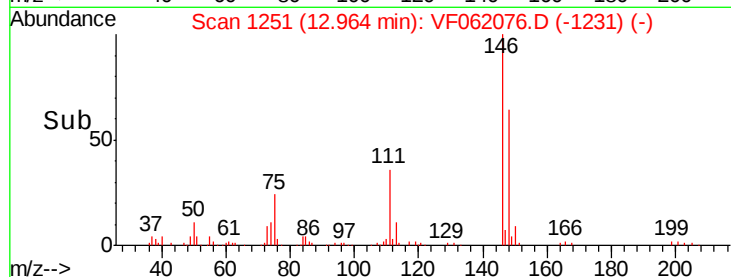
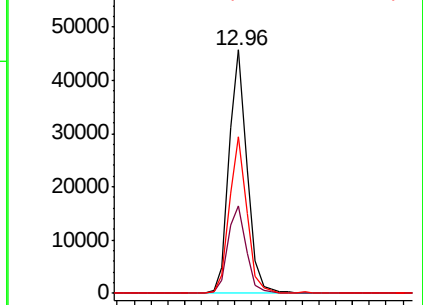
148 64.2 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.364 ug/l

RT: 13.66 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VF062076.D

Acq: 22 Mar 2019 11:04

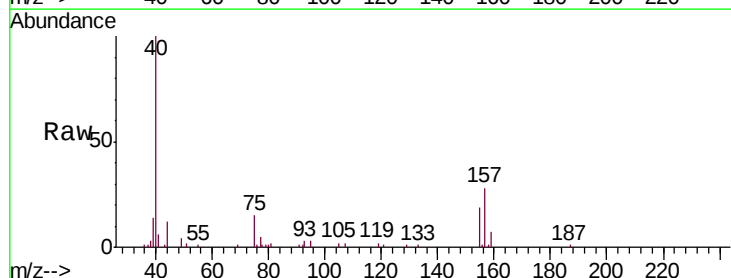
Tgt Ion: 75 Resp: 3327

Ion Ratio Lower Upper

75 100

155 123.2 56.1 168.4

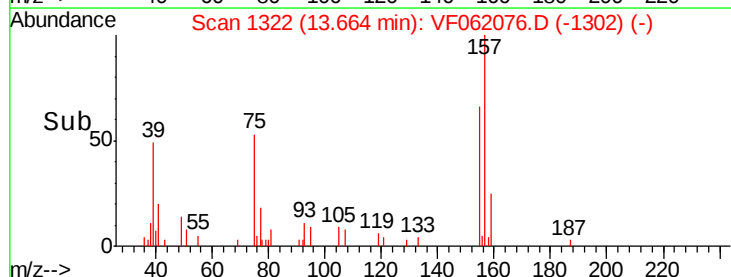
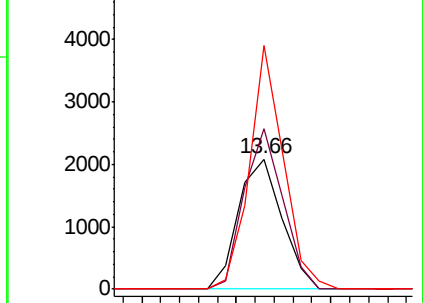
157 187.3 70.4 211.2

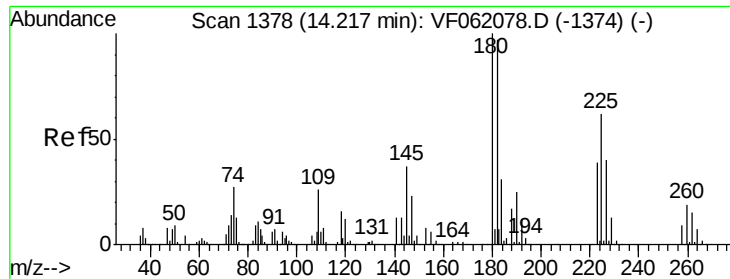


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

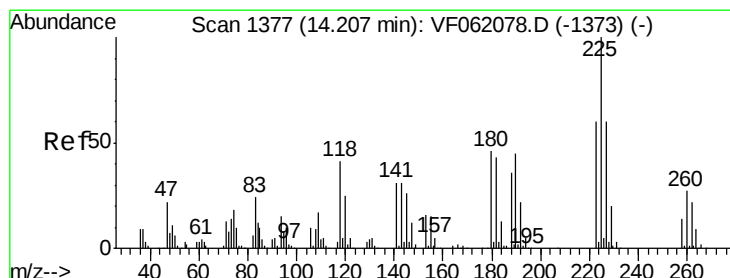
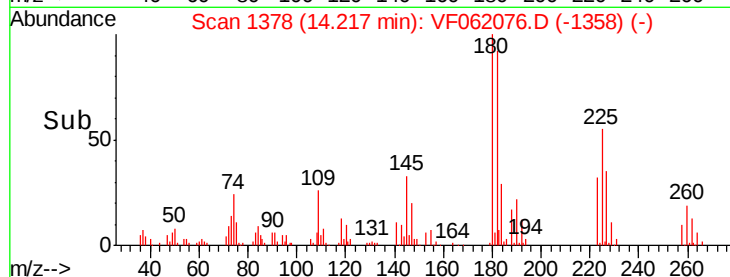
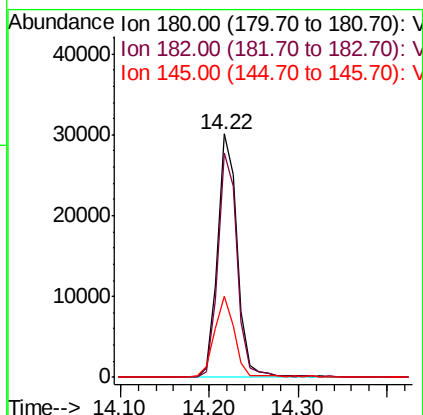
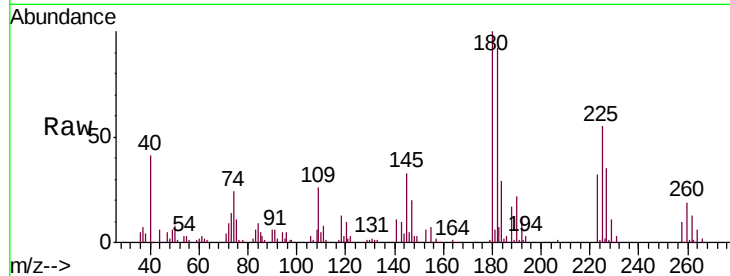




#93
 1,2,4-Trichlorobenzene
 Concen: 11.585 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

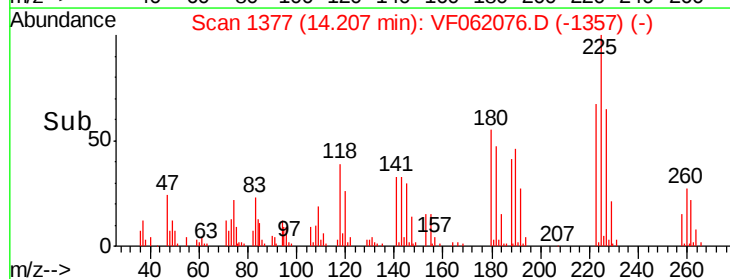
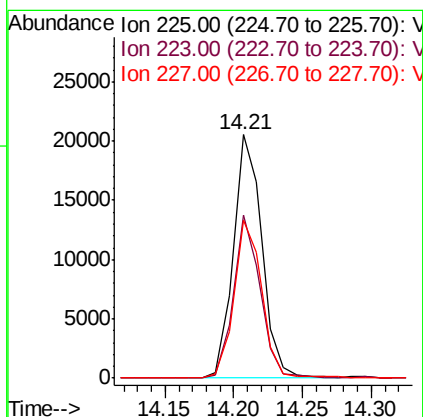
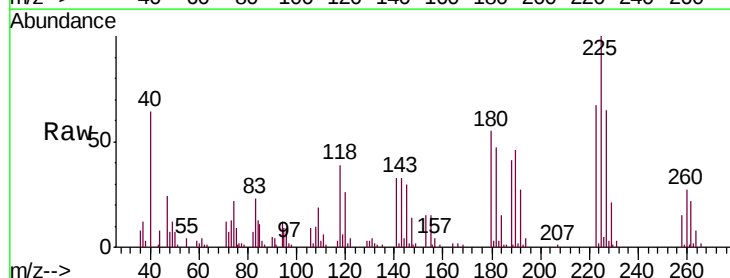
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

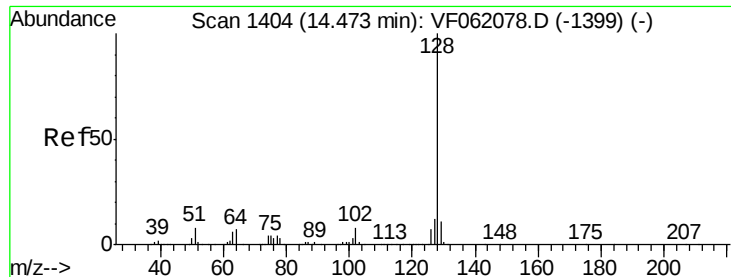
Tgt Ion:180 Resp: 46996
 Ion Ratio Lower Upper
 180 100
 182 92.0 48.7 146.1
 145 33.3 18.3 54.8



#94
 Hexachlorobutadiene
 Concen: 10.992 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062076.D
 Acq: 22 Mar 2019 11:04

Tgt Ion:225 Resp: 29649
 Ion Ratio Lower Upper
 225 100
 223 66.8 30.0 90.0
 227 64.6 30.2 90.6

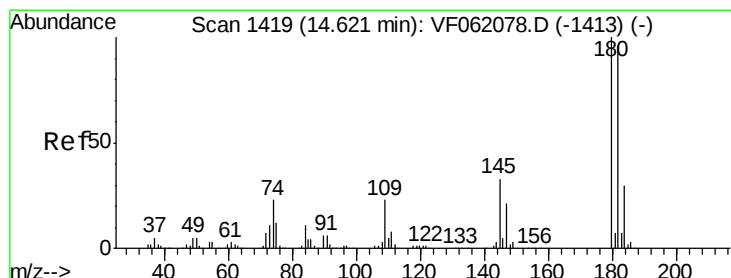
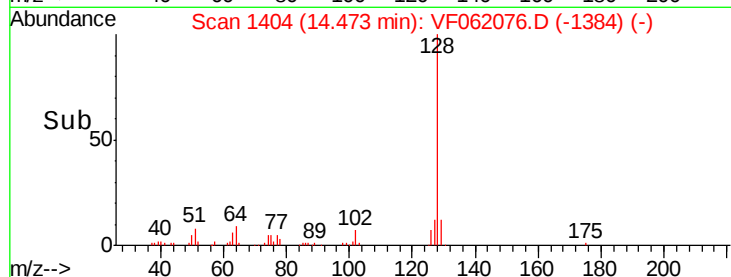
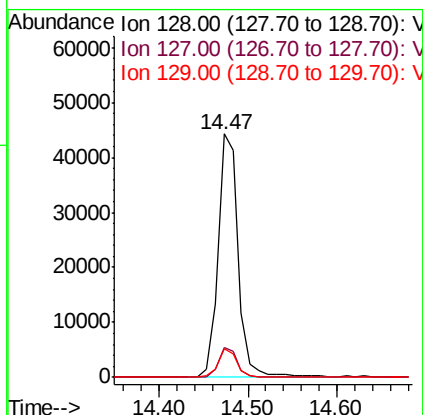
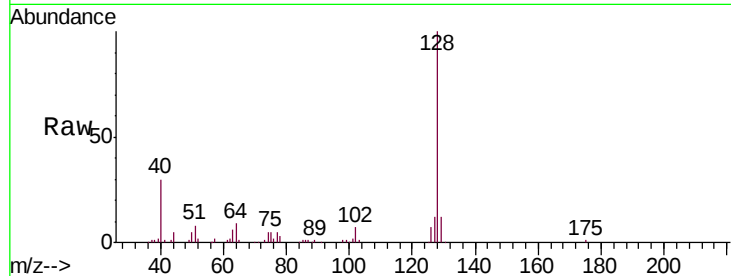




#95
Naphthalene
Concen: 9.886 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 70280
Ion Ratio Lower Upper
128 100
127 12.0 9.5 14.3
129 11.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.555 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF062076.D
Acq: 22 Mar 2019 11:04

Tgt Ion:180 Resp: 40080
Ion Ratio Lower Upper
180 100
182 90.2 47.9 143.7
145 31.1 16.6 49.7

