

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062166.D
 Acq On : 4 Apr 2019 19:59
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00q/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 05 05:22:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	226126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	354914	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	285988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	147681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	24081	12.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	25.86%	
35) Dibromofluoromethane	4.09	113	24633	10.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.14%	
50) Toluene-d8	7.52	98	76124	10.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	21.00%	
62) 4-Bromofluorobenzene	11.39	95	32158	11.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.78%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.96	85	34556	11.734	ug/l	85
3) Chloromethane	1.08	50	27829	9.352	ug/l #	88
4) Vinyl Chloride	1.14	62	23486	8.473	ug/l #	82
5) Bromomethane	1.32	94	18454	9.122	ug/l	98
6) Chloroethane	1.39	64	14670	10.321	ug/l #	83
7) Trichlorofluoromethane	1.47	101	36732m	10.609	ug/l	
8) Diethyl Ether	1.62	74	8606	11.196	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.82	101	26093	11.345	ug/l #	75
10) Methyl Iodide	1.89	142	42007m	9.641	ug/l	
11) Tert butyl alcohol	2.57	59	6301	65.874	ug/l #	15
12) 1,1-Dichloroethene	1.79	96	20721	9.512	ug/l #	72
13) Acrolein	1.99	56	6971	61.761	ug/l	97
14) Allyl chloride	2.09	41	33341	13.702	ug/l	96
15) Acrylonitrile	2.92	53	17995	55.232	ug/l #	92
16) Acetone	2.22	43	20662	54.043	ug/l	96
17) Carbon Disulfide	1.82	76	70843	10.632	ug/l	97
18) Methyl Acetate	2.33	43	11016	12.517	ug/l #	92
19) Methyl tert-butyl Ether	2.42	73	41292	11.607	ug/l #	89
20) Methylene Chloride	2.16	84	30237m	12.242	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	18494	8.750	ug/l	93
22) Diisopropyl ether	2.79	45	64735	10.360	ug/l	93
23) Vinyl Acetate	3.17	43	150345	57.613	ug/l	99
24) 1,1-Dichloroethane	2.85	63	37472	10.012	ug/l #	91
25) 2-Butanone	4.31	43	38795	51.321	ug/l	93
26) 2,2-Dichloropropane	3.57	77	20497	12.925	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	24944	8.924	ug/l	92
28) Bromochloromethane	3.70	49	20544	13.076	ug/l	99
29) Tetrahydrofuran	4.05	42	21007	64.137	ug/l	94
30) Chloroform	3.84	83	47230	11.695	ug/l	96
31) Cyclohexane	3.67	56	40067m	10.467	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	29157	11.283	ug/l #	88
36) 1,1-Dichloropropene	4.25	75	37394	10.817	ug/l #	82
37) Ethyl Acetate	4.09	43	19582	13.043	ug/l #	78
38) Carbon Tetrachloride	3.96	117	31061	12.912	ug/l #	79

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

39) Methylcyclohexane	5.43	83	36756	9.571	ug/l #	83
40) Benzene	4.60	78	79305	8.867	ug/l	99
41) Methacrylonitrile	4.73	41	11482	14.388	ug/l #	84
42) 1,2-Dichloroethane	4.91	62	32076	13.994	ug/l	96
43) Isopropyl Acetate	6.94	43	21167	11.844	ug/l #	84
44) Trichloroethene	5.47	130	25263	9.213	ug/l	77
45) 1,2-Dichloropropane	6.20	63	19961	9.286	ug/l	91
46) Dibromomethane	6.06	93	13229	9.945	ug/l	92
47) Bromodichloromethane	6.35	83	37223	12.236	ug/l #	83
48) Methyl methacrylate	6.70	41	14457	13.435	ug/l #	86
49) 1,4-Dioxane	6.69	88	1449	166.410	ug/l #	32
51) 4-Methyl-2-Pentanone	8.23	43	74382	60.759	ug/l	98
52) Toluene	7.59	92	50090	9.496	ug/l	90
53) t-1,3-Dichloropropene	8.25	75	26766	11.114	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	34524	10.359	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	14882	10.047	ug/l #	84
56) Ethyl methacrylate	8.60	69	20784	11.533	ug/l	94
57) 1,3-Dichloropropane	8.83	76	23888	9.723	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	13516	49.946	ug/l #	84
59) 2-Hexanone	9.46	43	55781	62.593	ug/l	93
60) Dibromochloromethane	8.69	129	20243	9.700	ug/l	98
61) 1,2-Dibromoethane	8.96	107	16548	10.483	ug/l	88
64) Tetrachloroethene	8.12	164	20536	9.323	ug/l	92
65) Chlorobenzene	9.77	112	53529	9.914	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	9.91	131	21879	9.929	ug/l	89
67) Ethyl Benzene	9.88	91	105536	10.987	ug/l	92
68) m/p-Xylenes	10.10	106	75765	21.198	ug/l	95
69) o-Xylene	10.68	106	37927	10.360	ug/l	85
70) Styrene	10.76	104	60423	10.691	ug/l	97
71) Bromoform	10.75	173	12827	11.337	ug/l	82
73) Isopropylbenzene	11.11	105	110956	10.509	ug/l	98
74) N-amyl acetate	11.35	43	34274	13.380	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	19473	10.974	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	15182	11.755	ug/l	90
77) Bromobenzene	11.48	156	22459	8.828	ug/l	76
78) n-propylbenzene	11.57	91	128520	10.355	ug/l	93
79) 2-Chlorotoluene	11.70	91	73832	10.733	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	95883	10.862	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.85	75	6116m	11.543	ug/l	
82) 4-Chlorotoluene	11.87	91	77231	10.815	ug/l	94
83) tert-Butylbenzene	12.11	119	99589	10.878	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	96201	11.143	ug/l	90
85) sec-Butylbenzene	12.29	105	116936	9.915	ug/l	100
86) p-Isopropyltoluene	12.45	119	105477	10.147	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	46410	9.667	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	48800	10.549	ug/l	99
89) n-Butylbenzene	12.83	91	103756	10.523	ug/l	99
90) Hexachloroethane	12.90	117	25633	10.563	ug/l	88
91) 1,2-Dichlorobenzene	12.92	146	45788	10.295	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.63	75	4251	15.059	ug/l	82

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Quant Title : SW846 8260
QLast Update : Fri Apr 05 04:46:45 2019
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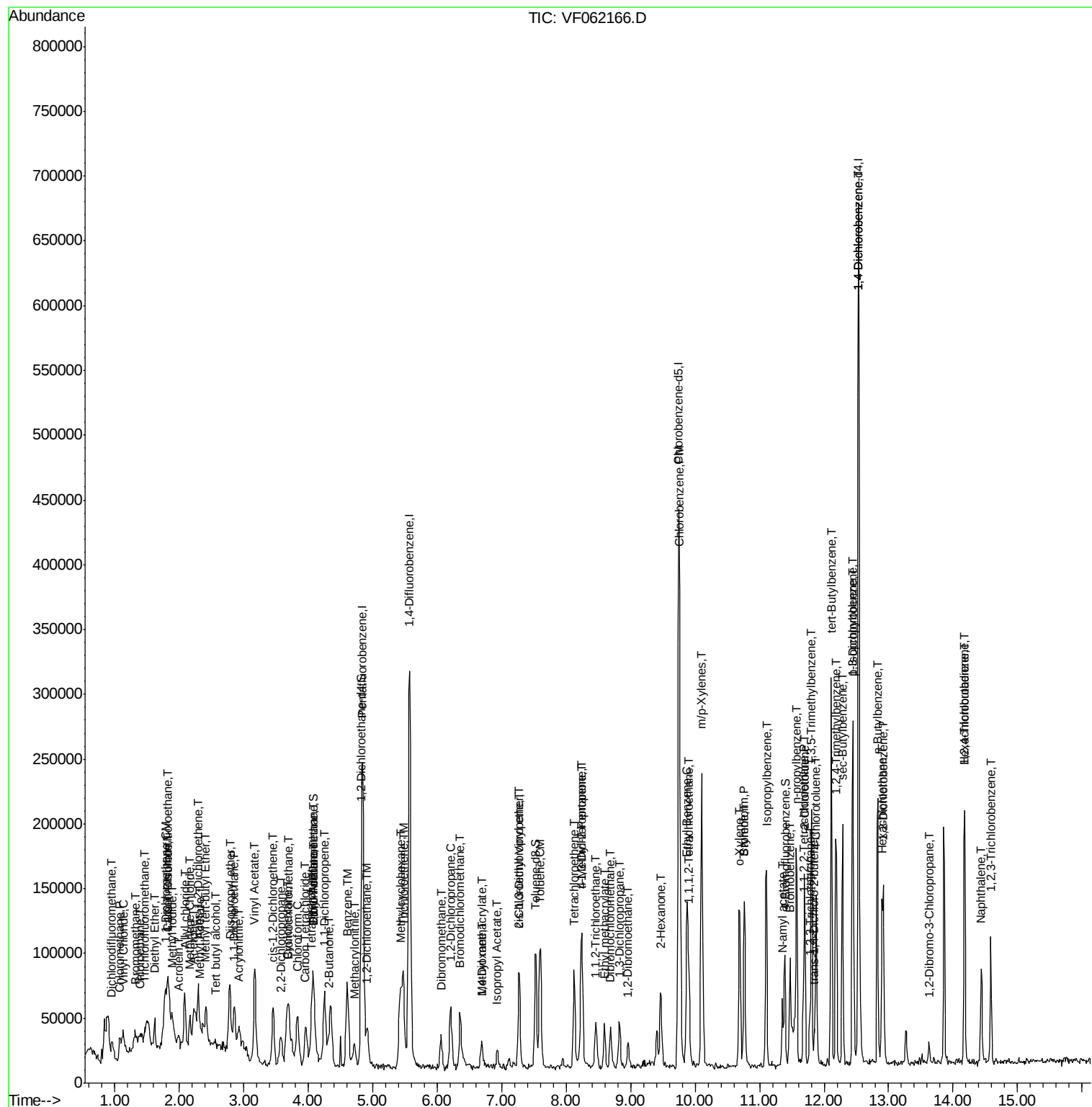
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	31512	10.059	ug/l	87
94) Hexachlorobutadiene	14.17	225	19603	9.473	ug/l	97
95) Naphthalene	14.44	128	50363	9.397	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.58	180	27142	9.449	ug/l	98

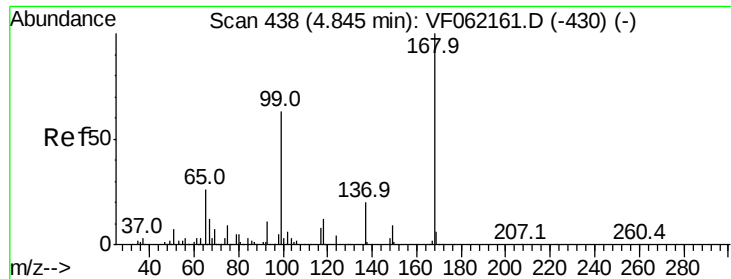
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 438

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

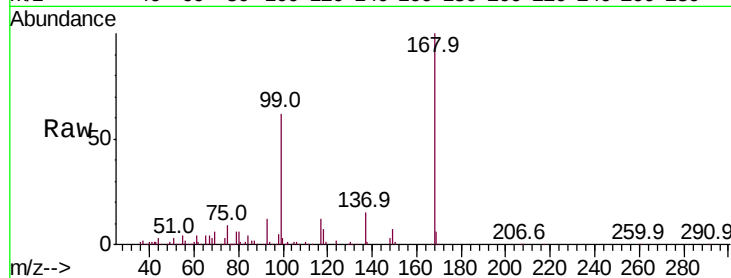
VSTDIC010

Tot Ion:168 Resp: 226126

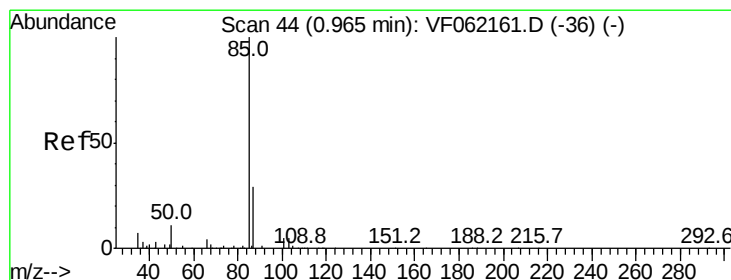
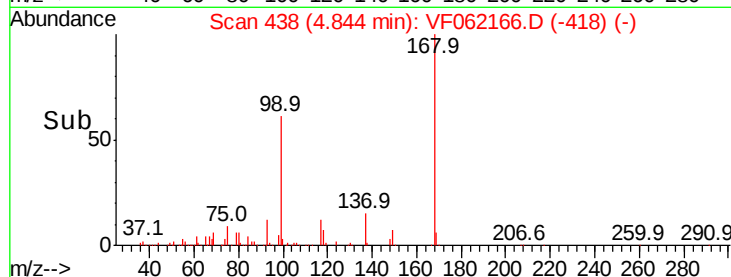
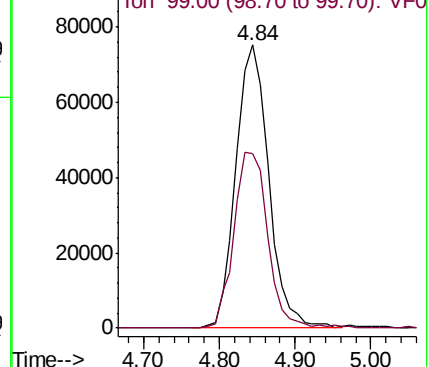
Ion Ratio Lower Upper

168 100

99 61.7 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 11.734 ug/l

RT: 0.96 min Scan# 44

Delta R.T. -0.00 min

Lab File: VF062166.D

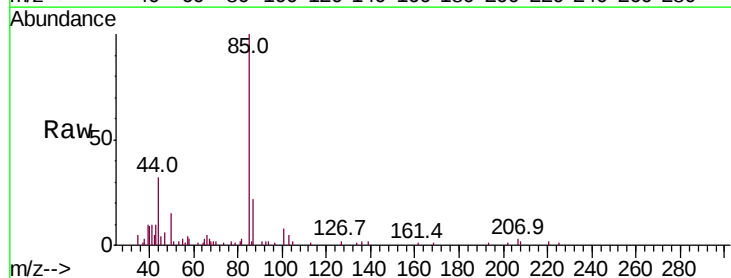
Acq: 4 Apr 2019 19:59

Tgt Ion: 85 Resp: 34556

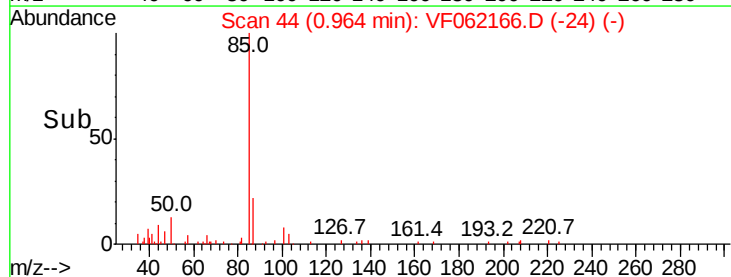
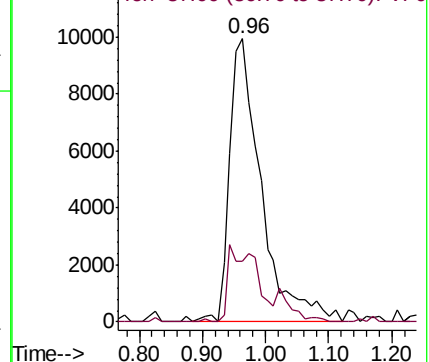
Ion Ratio Lower Upper

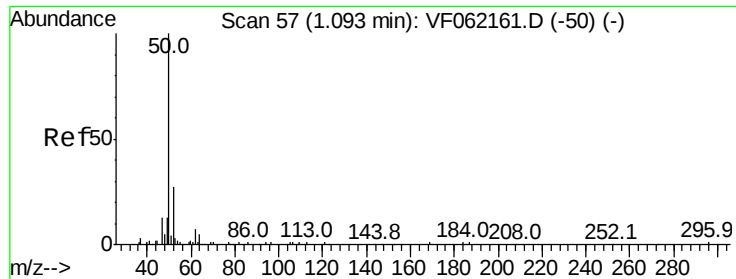
85 100

87 21.7 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 9.352 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

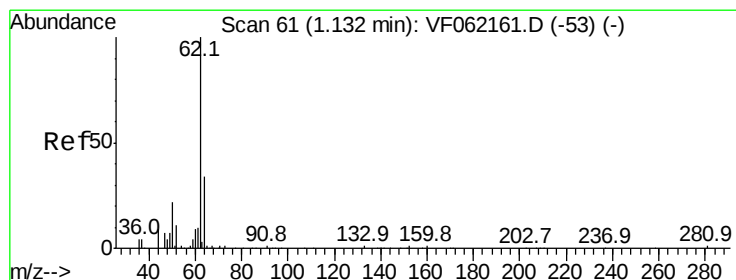
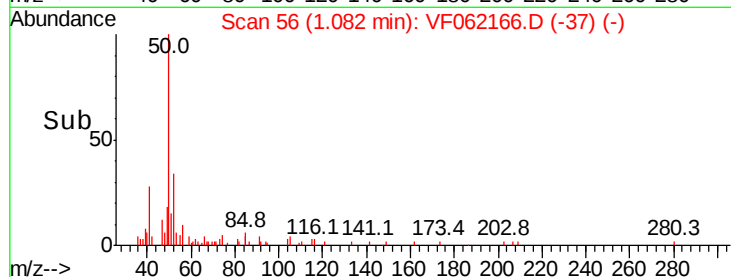
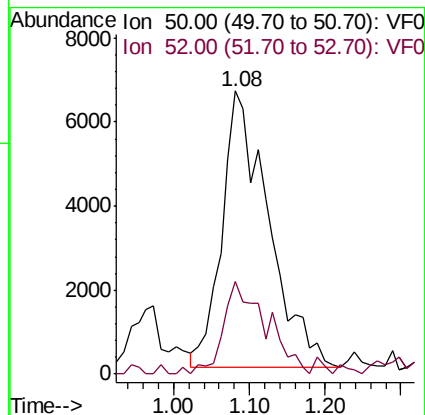
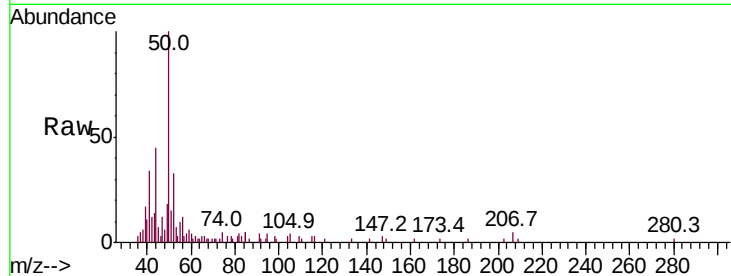
VSTDIC010

Tot Ion: 50 Resp: 27829

Ion Ratio Lower Upper

50 100

52 32.9 21.4 32.0#



#4

Vinyl Chloride

Concen: 8.473 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062166.D

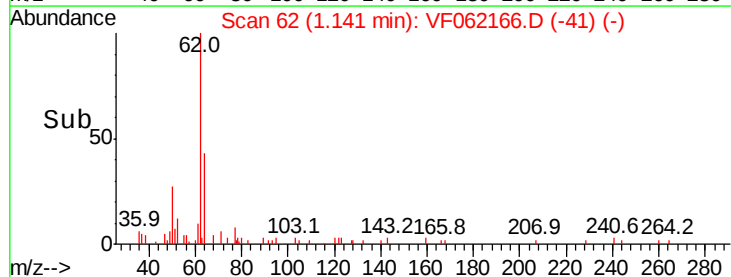
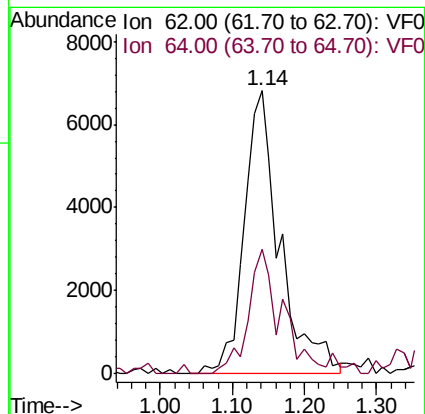
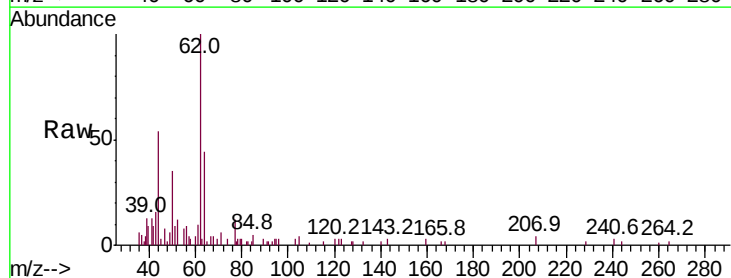
Acq: 4 Apr 2019 19:59

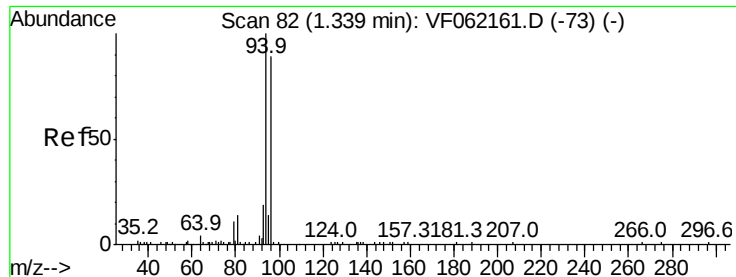
Tgt Ion: 62 Resp: 23486

Ion Ratio Lower Upper

62 100

64 44.1 27.0 40.4#





#5

Bromomethane

Concen: 9.122 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.02 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

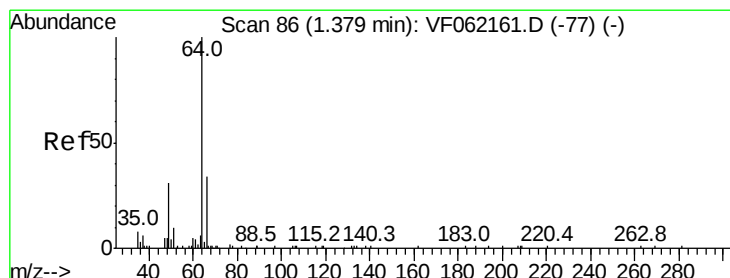
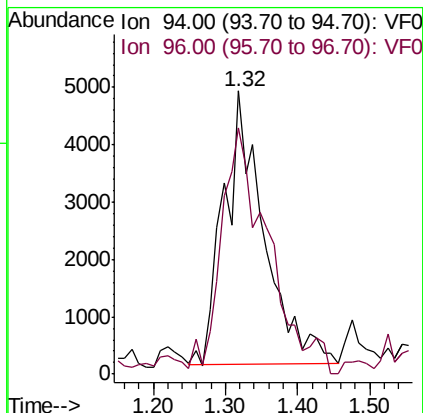
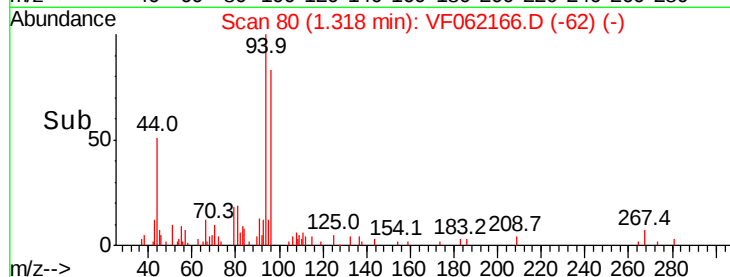
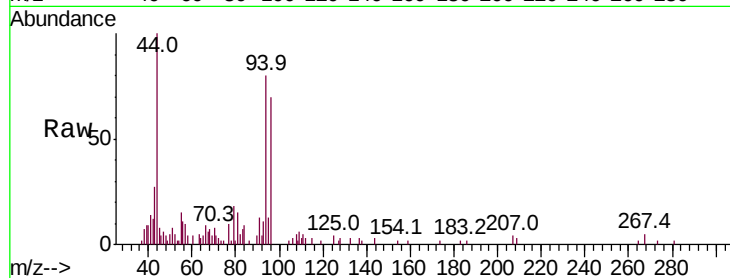
VSTDIC010

Tot Ion: 94 Resp: 18454

Ion Ratio Lower Upper

94 100

96 87.2 71.3 106.9



#6

Chloroethane

Concen: 10.321 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062166.D

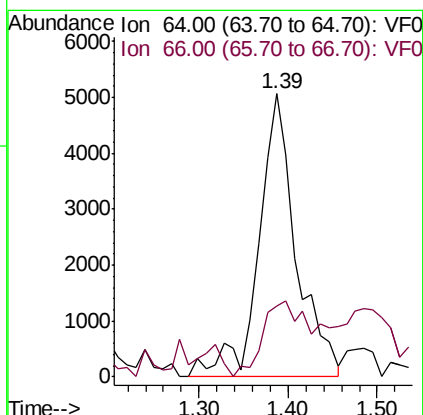
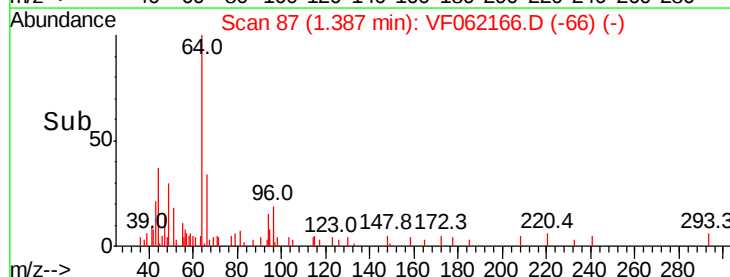
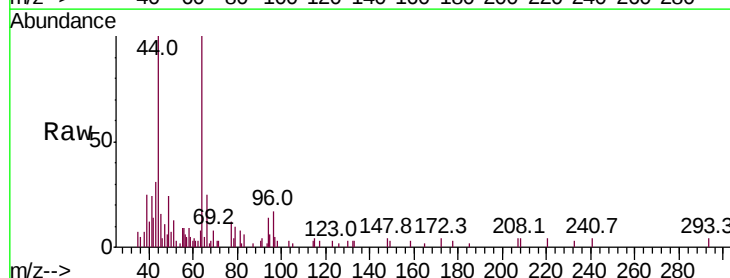
Acq: 4 Apr 2019 19:59

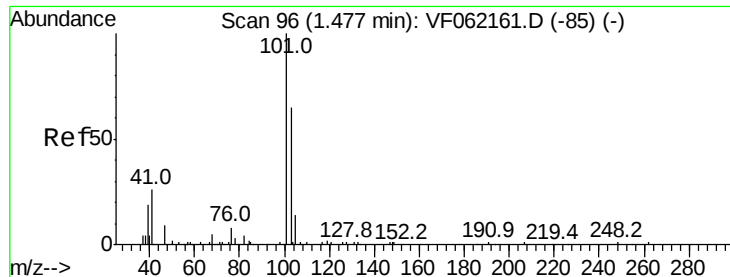
Tgt Ion: 64 Resp: 14670

Ion Ratio Lower Upper

64 100

66 25.1 27.8 41.6#



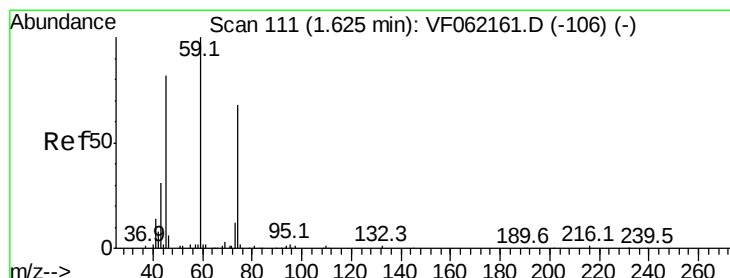
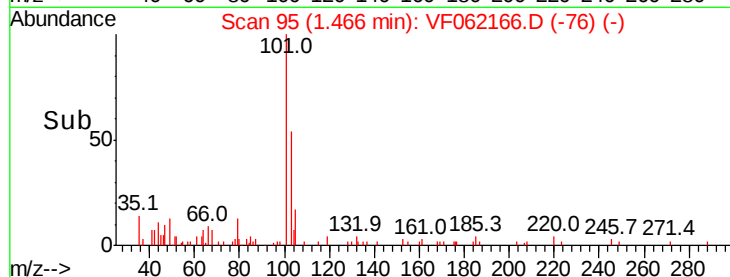
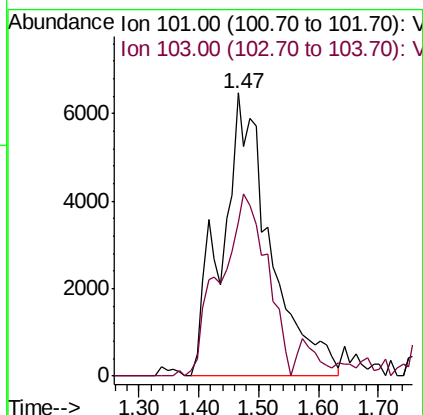
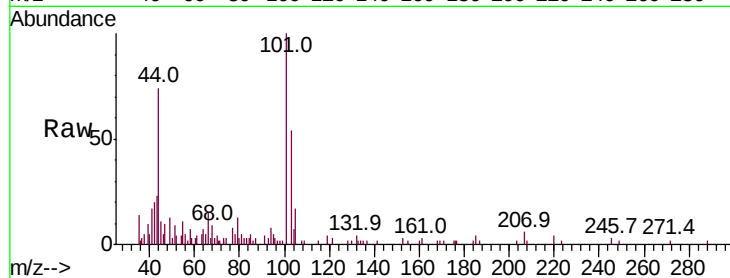


#7

Trichlorofluoromethane
 Concen: 10.609 ug/l m
 RT: 1.47 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Instrument :
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 ClientSampleId :
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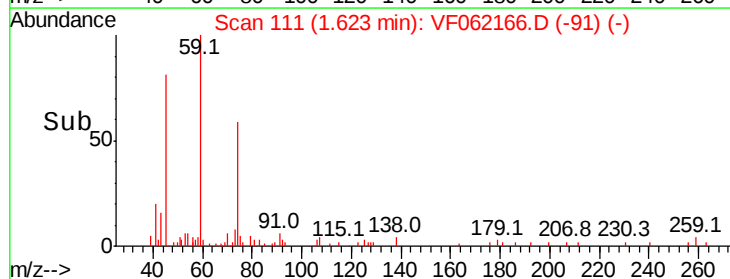
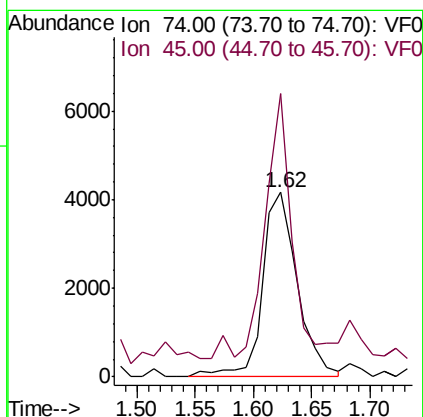
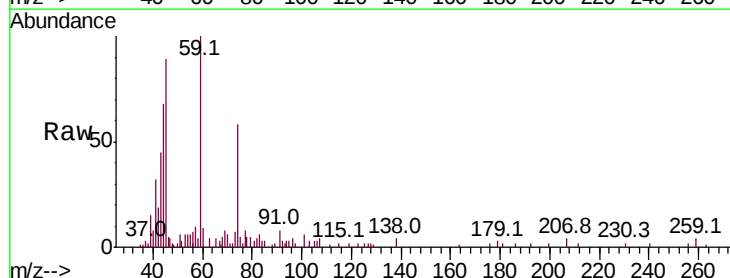
Tot Ion:101 Resp: 36732
 Ion Ratio Lower Upper
 101 100
 103 54.3 52.0 78.0

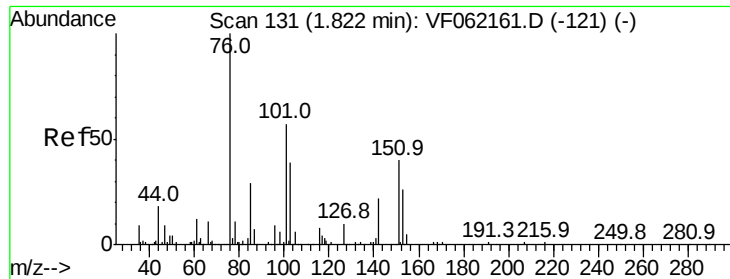


#8

Diethyl Ether
 Concen: 11.196 ug/l
 RT: 1.62 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Tgt Ion: 74 Resp: 8606
 Ion Ratio Lower Upper
 74 100
 45 153.5 61.9 185.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.345 ug/l

RT: 1.82 min Scan# 131

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

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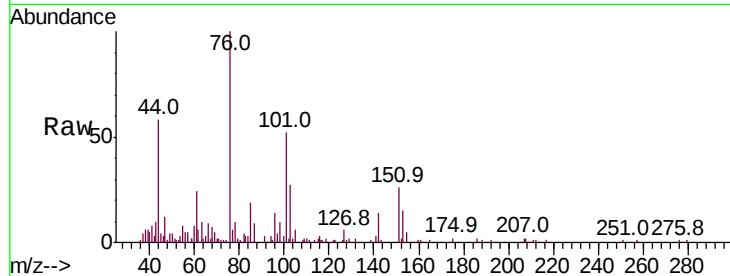
Tot Ion:101 Resp: 26093

Ion Ratio Lower Upper

101 100

85 35.6 41.0 61.6#

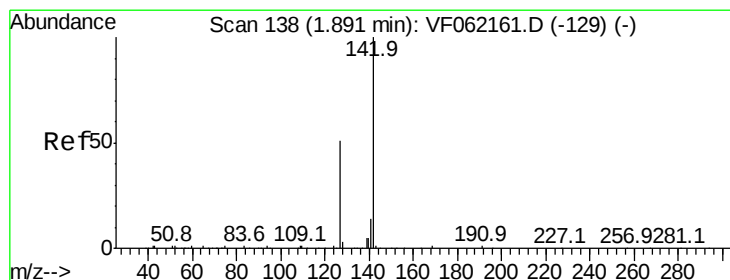
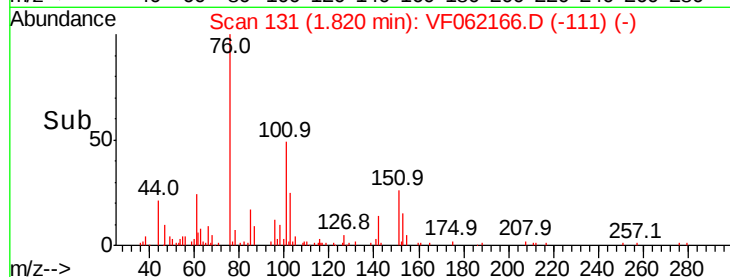
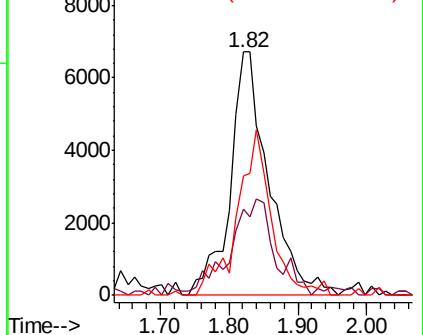
151 49.2 56.5 84.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 9.641 ug/l m

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

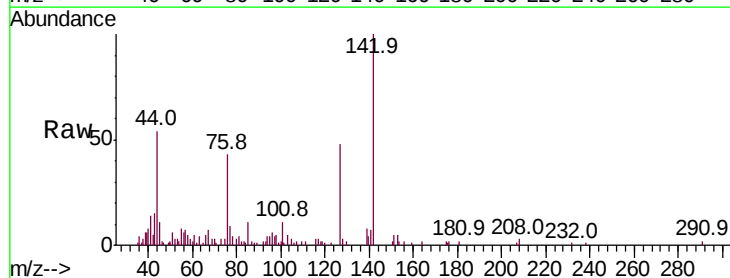
Tgt Ion:142 Resp: 42007

Ion Ratio Lower Upper

142 100

127 48.2 40.7 61.1

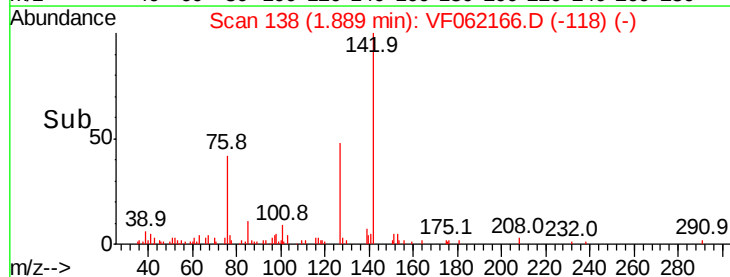
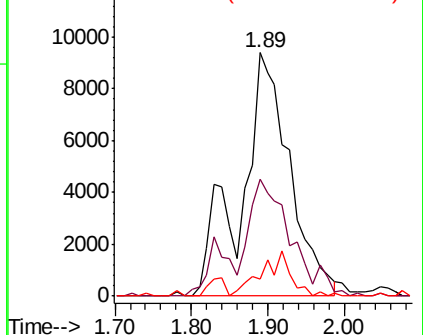
141 7.2 11.1 16.7#

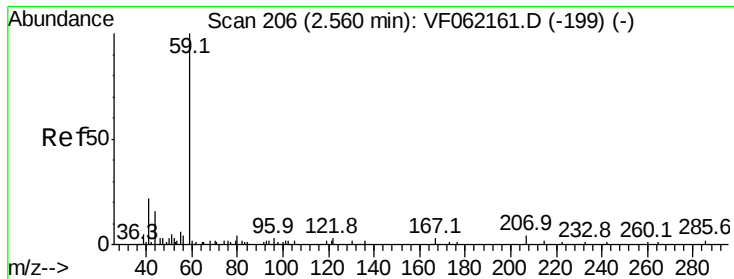


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



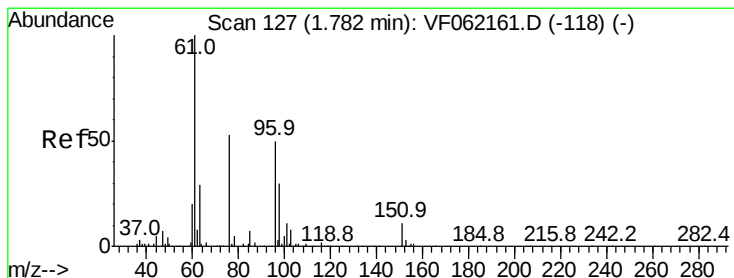
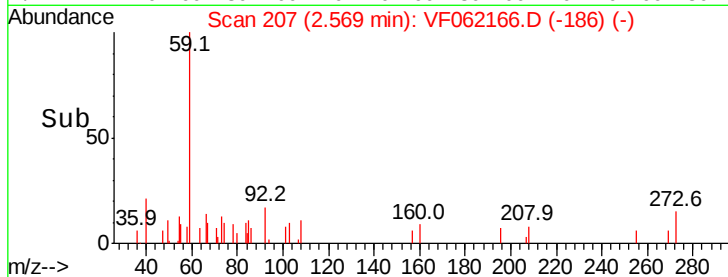
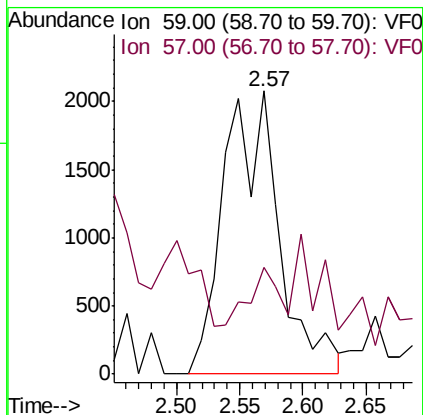
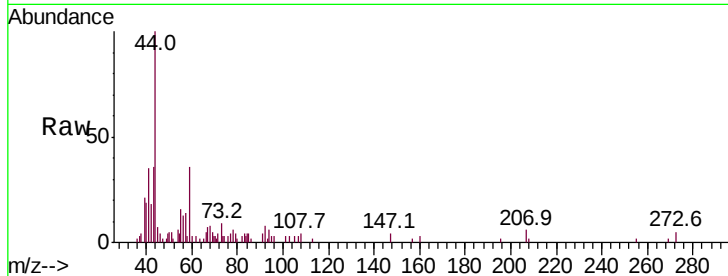


#11

Tert butyl alcohol
 Concen: 65.874 ug/l
 RT: 2.57 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

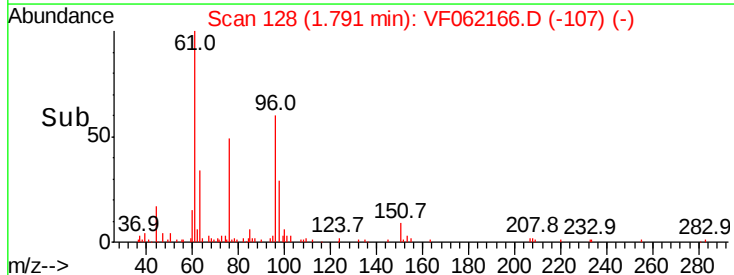
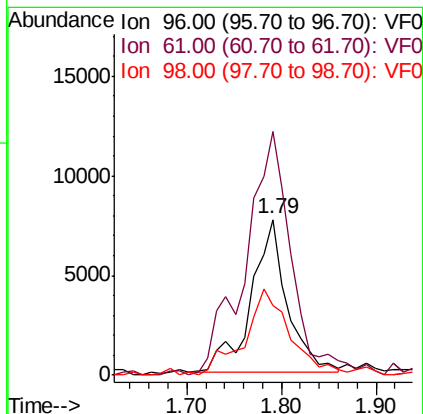
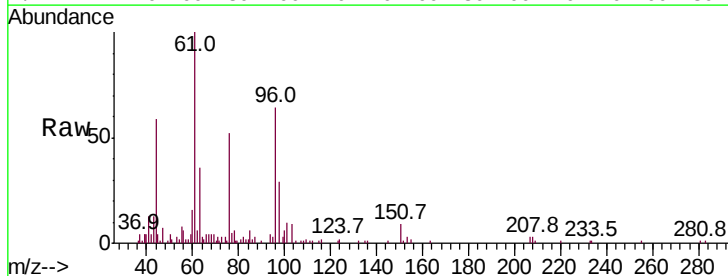
Tot Ion: 59 Resp: 6301
 Ion Ratio Lower Upper
 59 100
 57 45.0 9.5 14.3#

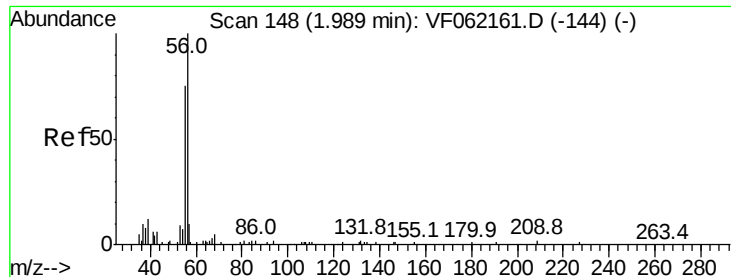


#12

1,1-Dichloroethene
 Concen: 9.512 ug/l
 RT: 1.79 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Tgt Ion: 96 Resp: 20721
 Ion Ratio Lower Upper
 96 100
 61 156.2 161.8 242.6#
 98 44.9 49.2 73.8#





#13

Acrolein

Concen: 61.761 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

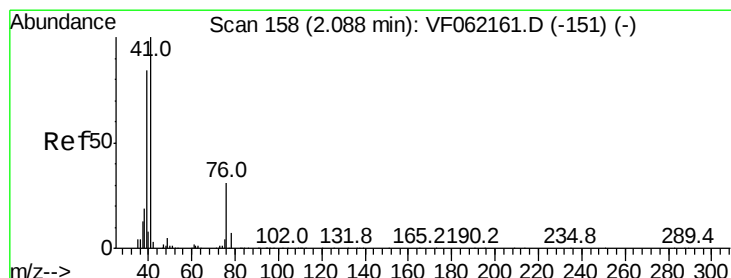
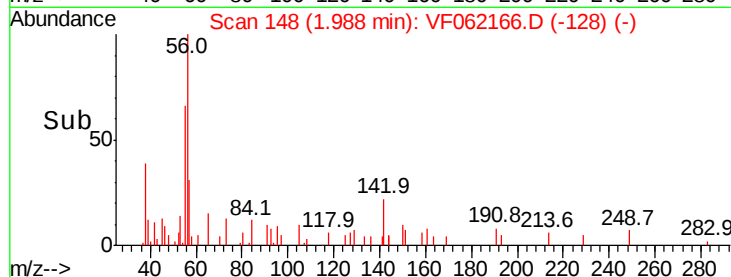
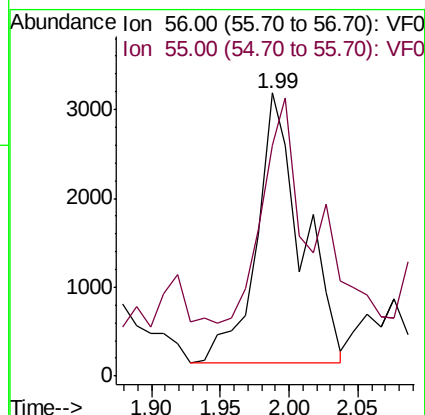
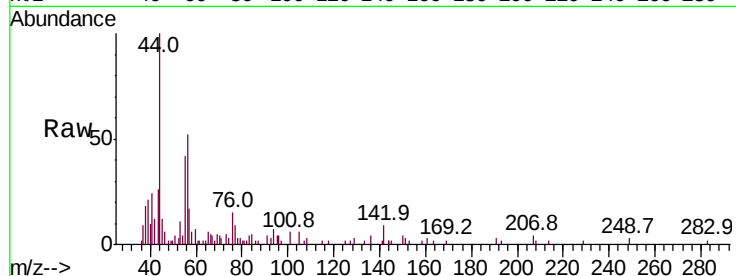
VSTDIC010

Tot Ion: 56 Resp: 6971

Ion Ratio Lower Upper

56 100

55 81.7 63.5 95.3



#14

Allyl chloride

Concen: 13.702 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

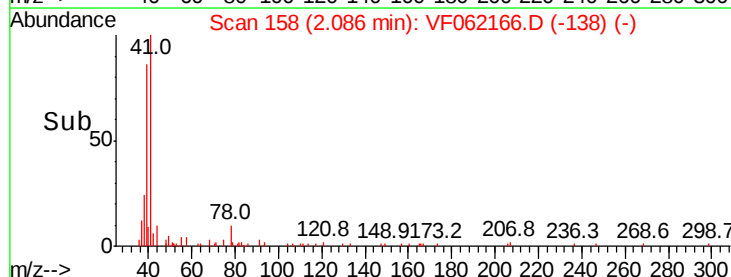
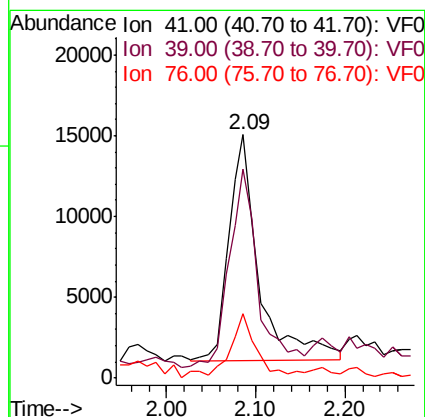
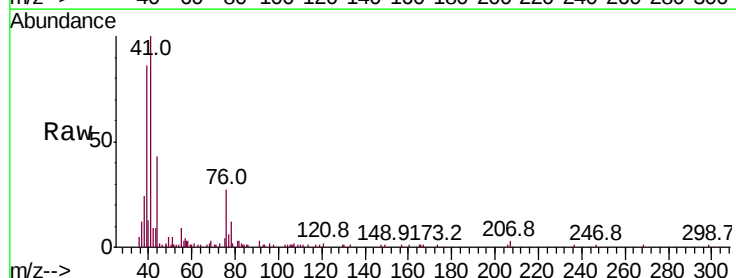
Tgt Ion: 41 Resp: 33341

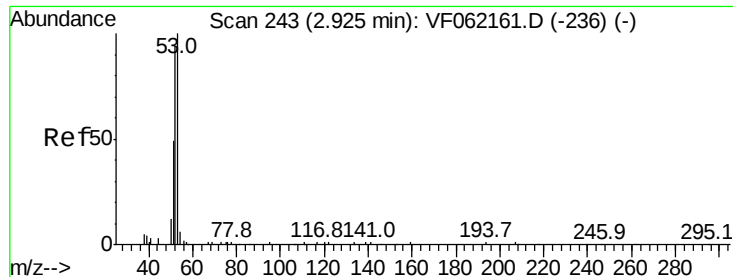
Ion Ratio Lower Upper

41 100

39 85.8 67.6 101.4

76 26.7 25.7 38.5





#15

Acrylonitrile

Concen: 55.232 ug/l

RT: 2.92 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

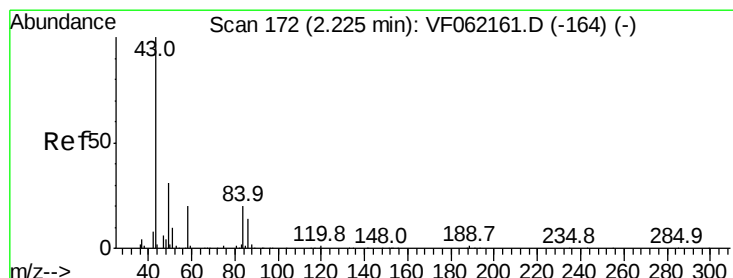
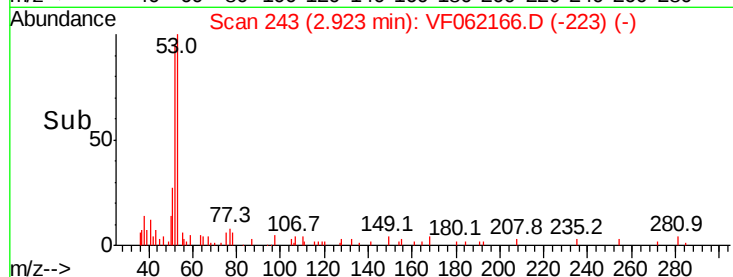
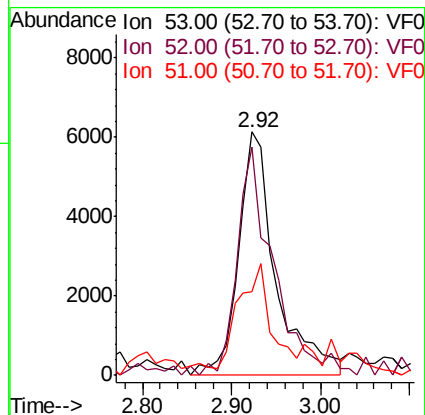
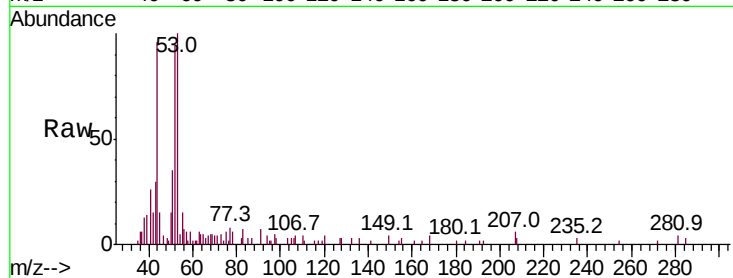
Tot Ion: 53 Resp: 17995

Ion Ratio Lower Upper

53 100

52 93.7 75.5 113.3

51 34.5 39.7 59.5#



#16

Acetone

Concen: 54.043 ug/l

RT: 2.22 min Scan# 172

Delta R.T. -0.00 min

Lab File: VF062166.D

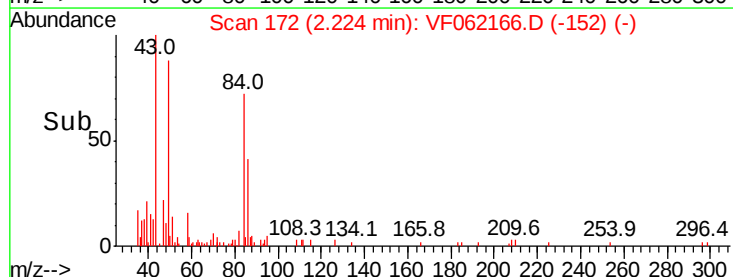
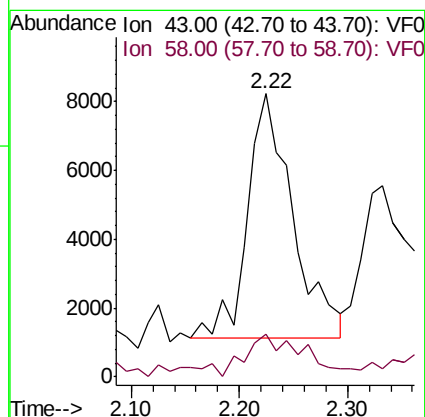
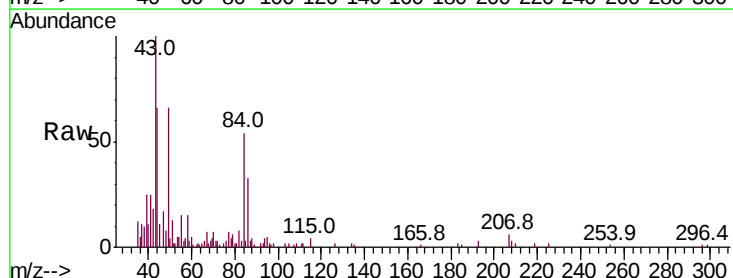
Acq: 4 Apr 2019 19:59

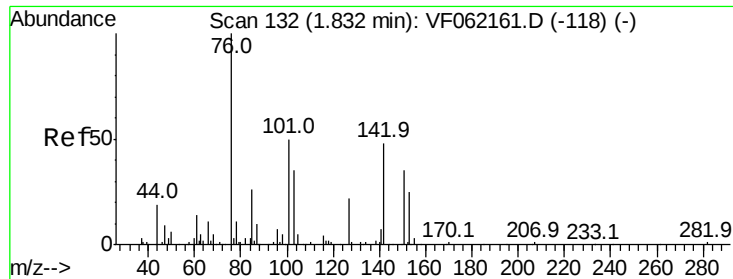
Tgt Ion: 43 Resp: 20662

Ion Ratio Lower Upper

43 100

58 17.7 15.7 23.5

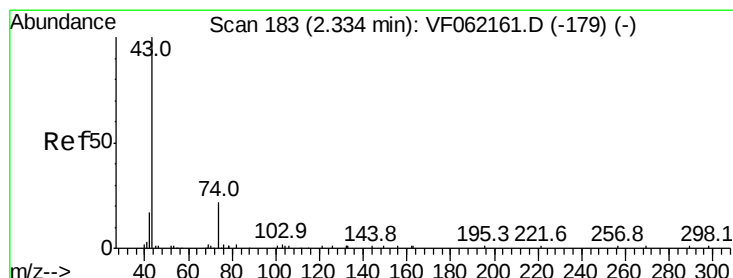
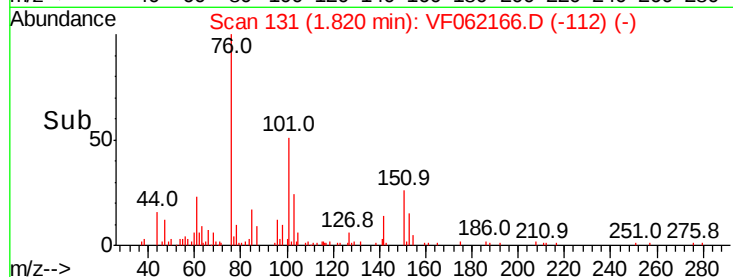
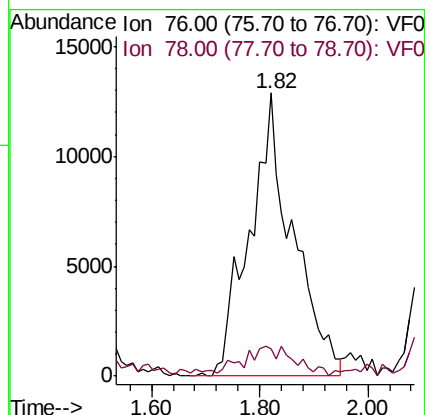
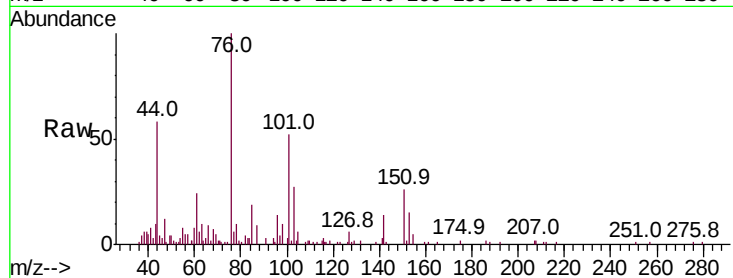




#17
Carbon Disulfide
Concen: 10.632 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

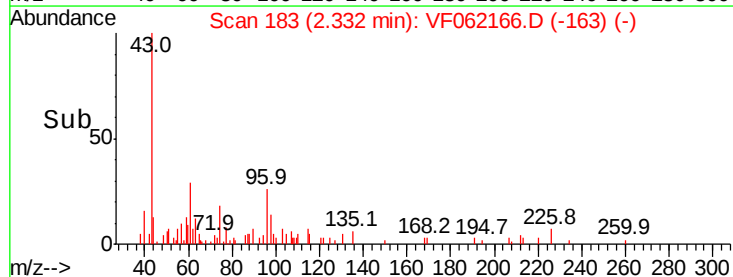
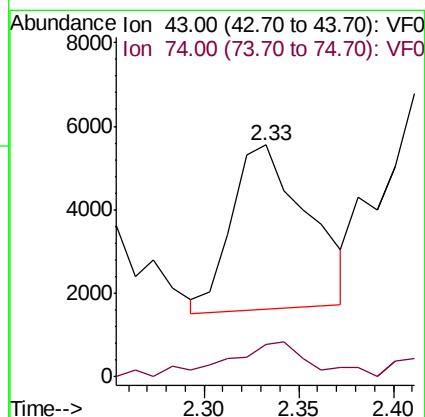
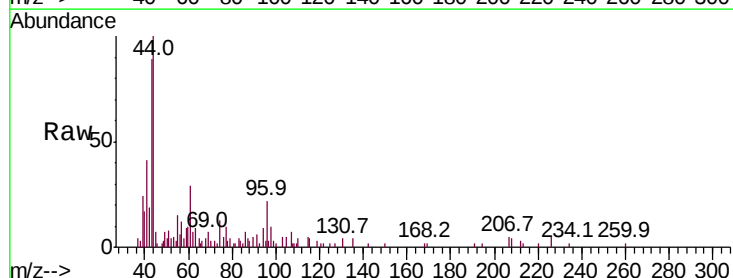
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

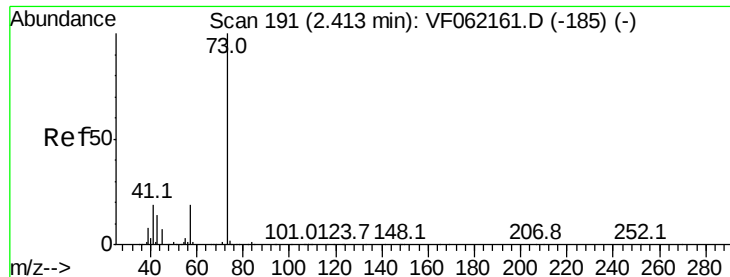
Tot Ion: 76 Resp: 70843
Ion Ratio Lower Upper
76 100
78 9.8 8.6 13.0



#18
Methyl Acetate
Concen: 12.517 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion: 43 Resp: 11016
Ion Ratio Lower Upper
43 100
74 14.3 14.3 21.5#



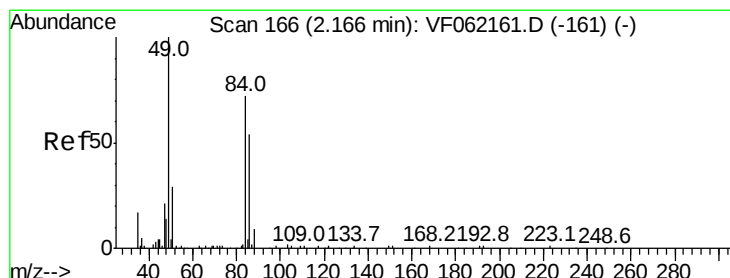
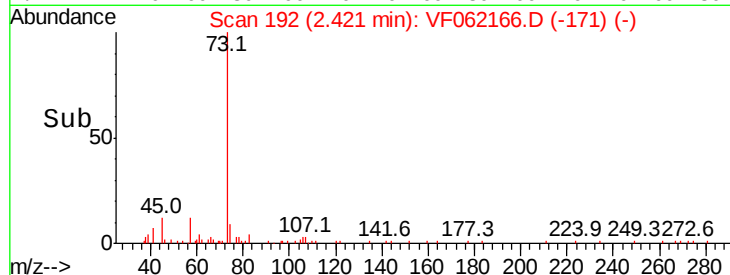
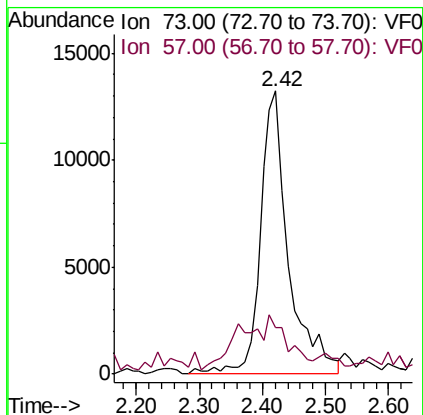
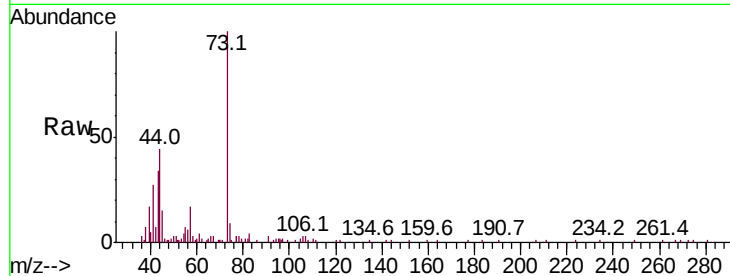


#19

Methyl tert-butyl Ether
 Concen: 11.607 ug/l
 RT: 2.42 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

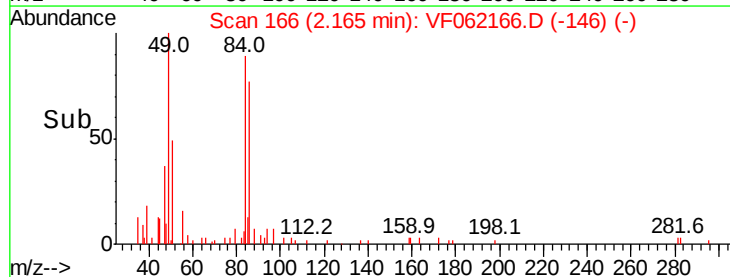
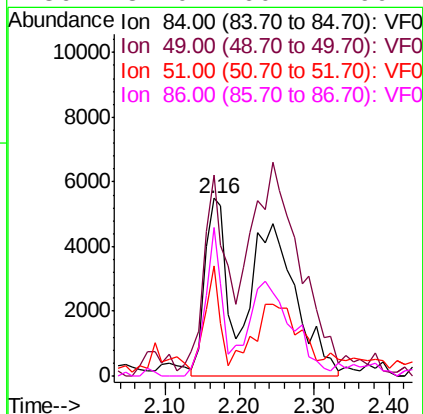
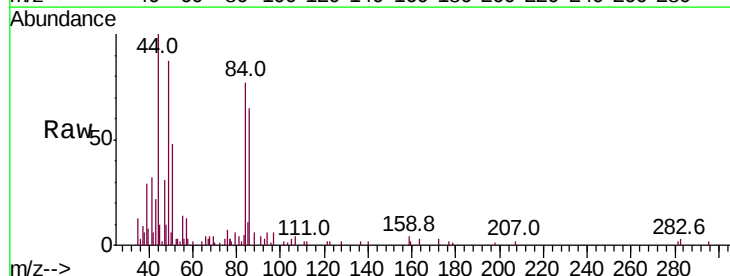
Tot Ion: 73 Resp: 41292
 Ion Ratio Lower Upper
 73 100
 57 16.7 17.4 26.0#

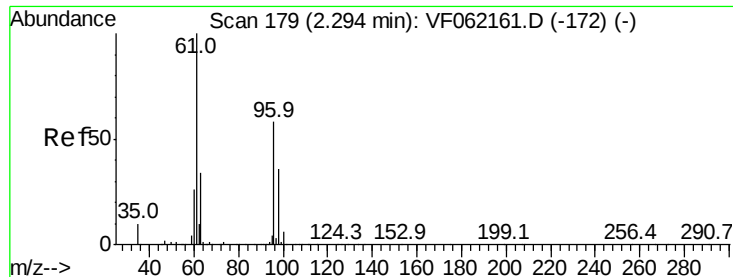


#20

Methylene Chloride
 Concen: 12.242 ug/l m
 RT: 2.16 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Tgt Ion: 84 Resp: 30237
 Ion Ratio Lower Upper
 84 100
 49 113.3 112.6 168.8
 51 61.9 33.4 50.2#
 86 84.0 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 8.750 ug/l

RT: 2.29 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

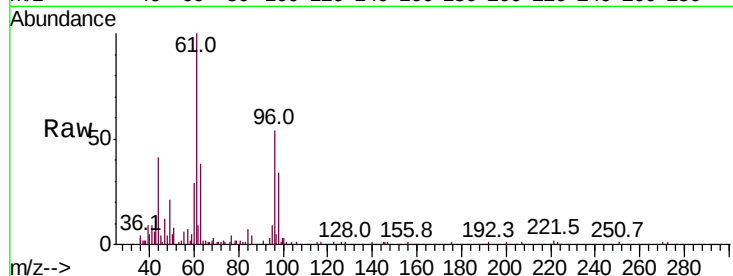
Tot Ion: 96 Resp: 18494

Ion Ratio Lower Upper

96 100

61 184.0 137.4 206.0

98 62.9 49.4 74.0

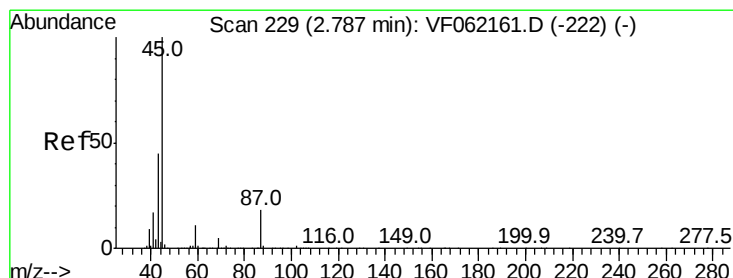
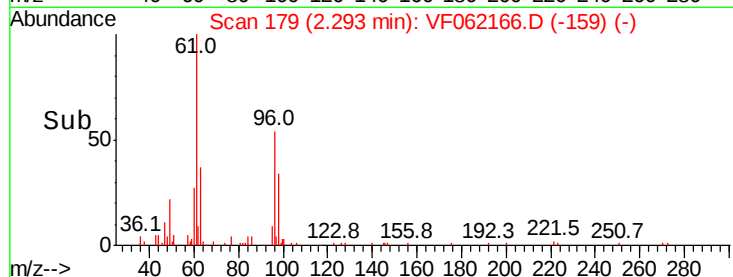
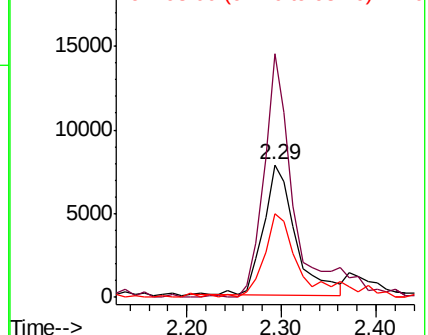


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 10.360 ug/l

RT: 2.79 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Tgt Ion: 45 Resp: 64735

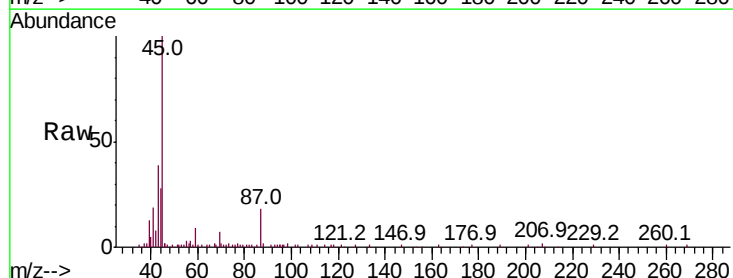
Ion Ratio Lower Upper

45 100

43 39.4 37.4 56.2

87 17.9 14.3 21.5

59 9.4 8.7 13.1



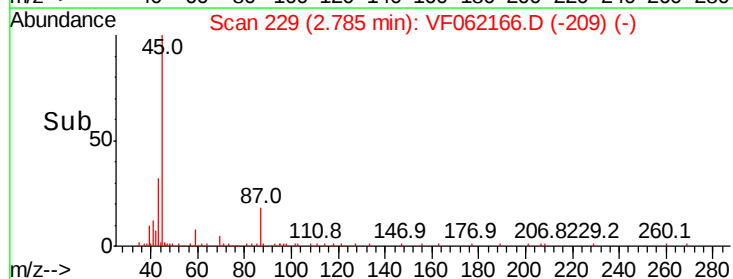
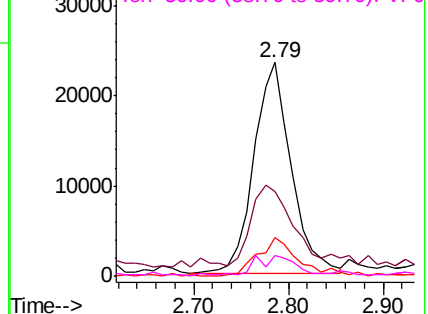
Abundance

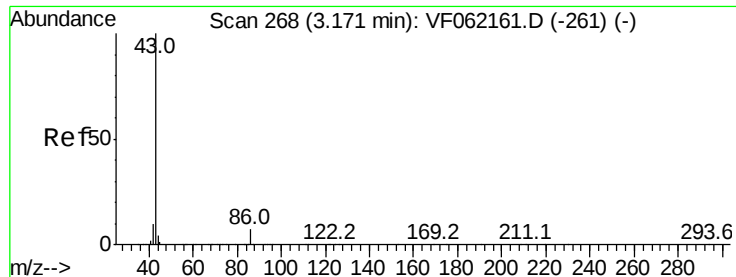
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 57.613 ug/l

RT: 3.17 min Scan# 268

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

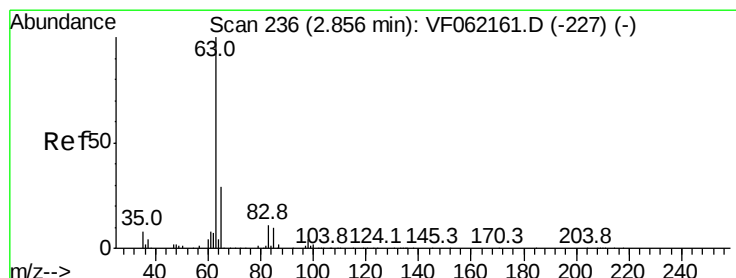
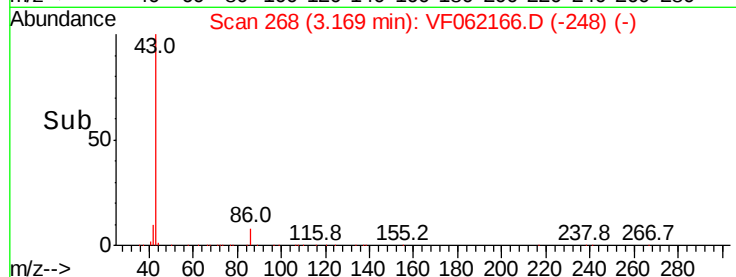
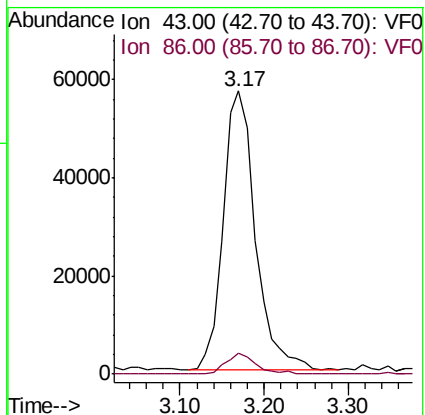
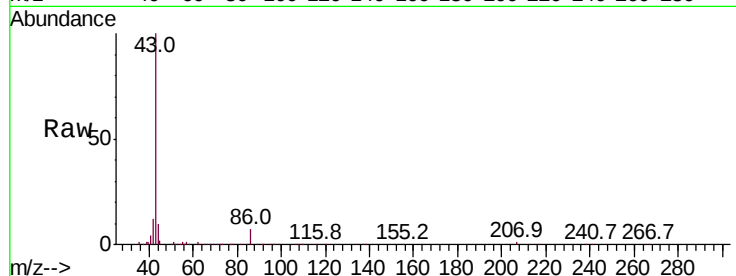
VSTDIC010

Tot Ion: 43 Resp: 150345

Ion Ratio Lower Upper

43 100

86 7.4 5.7 8.5



#24

1,1-Dichloroethane

Concen: 10.012 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

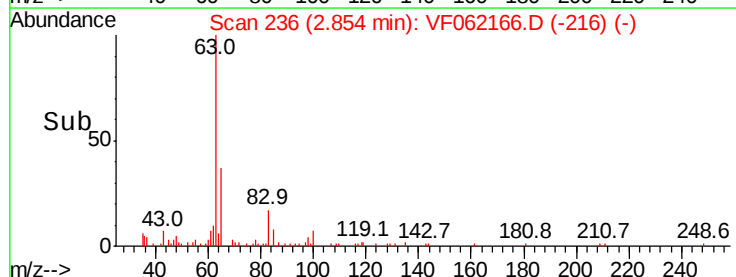
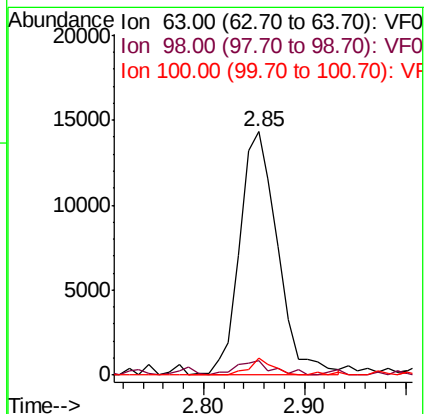
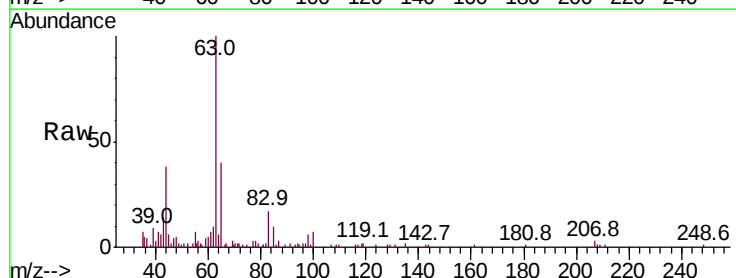
Tgt Ion: 63 Resp: 37472

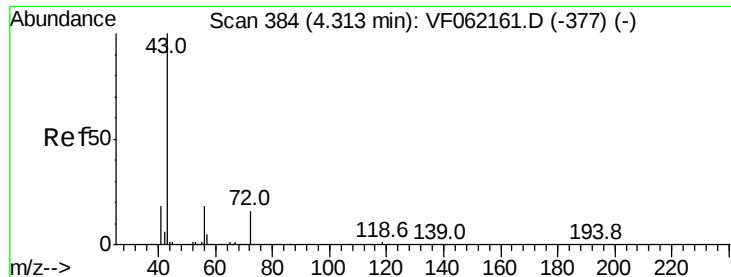
Ion Ratio Lower Upper

63 100

98 5.9 2.0 6.0

100 7.0 1.0 3.0#





#25

2-Butanone

Concen: 51.321 ug/l

RT: 4.31 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

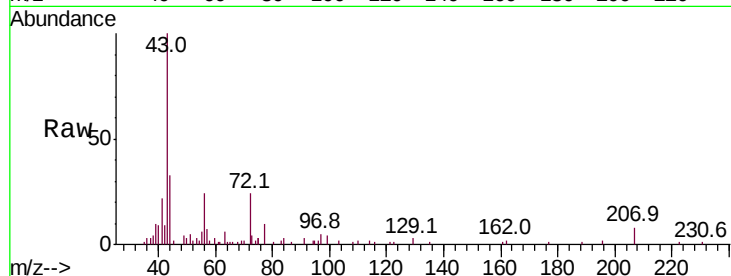
VSTDIC010

Tot Ion: 43 Resp: 38795

Ion Ratio Lower Upper

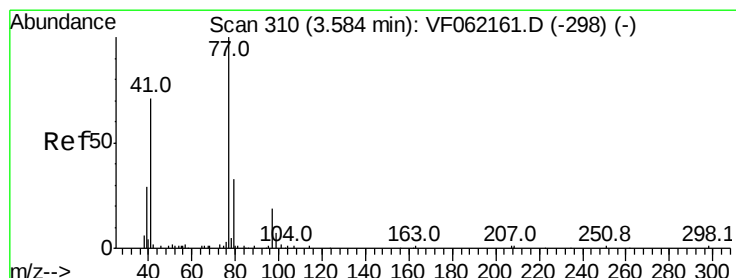
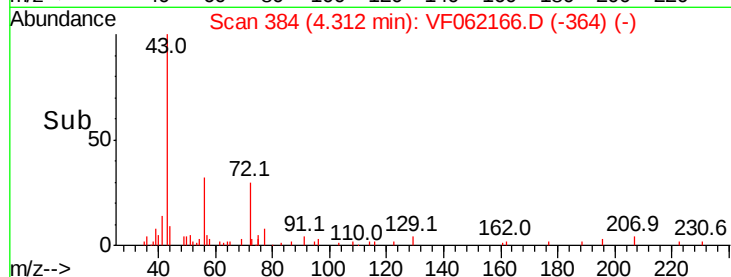
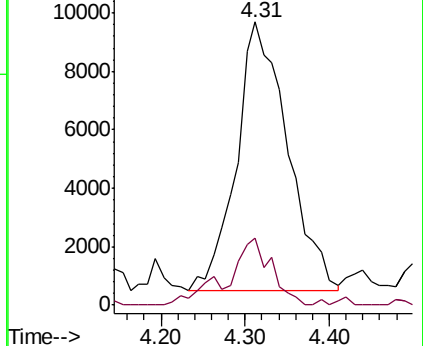
43 100

72 23.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 12.925 ug/l

RT: 3.57 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062166.D

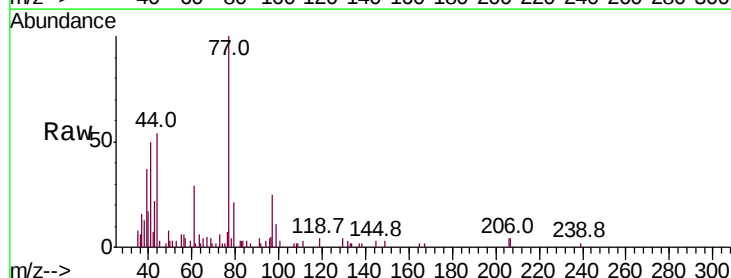
Acq: 4 Apr 2019 19:59

Tgt Ion: 77 Resp: 20497

Ion Ratio Lower Upper

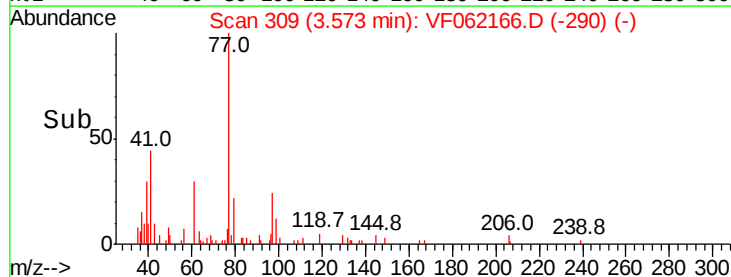
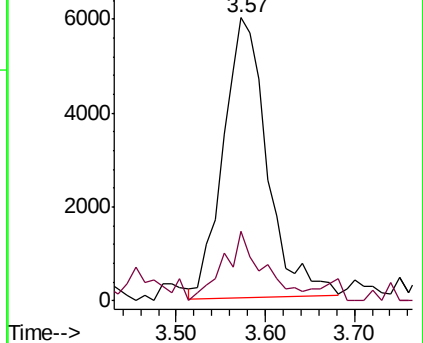
77 100

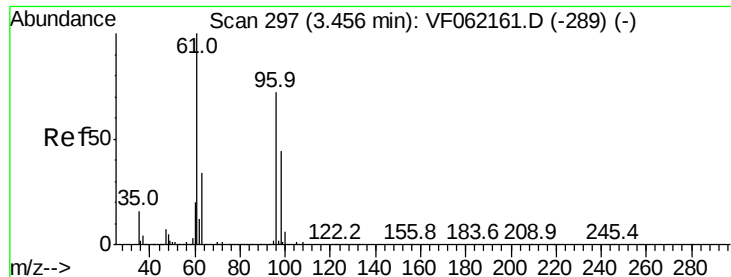
97 24.8 11.4 34.2



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



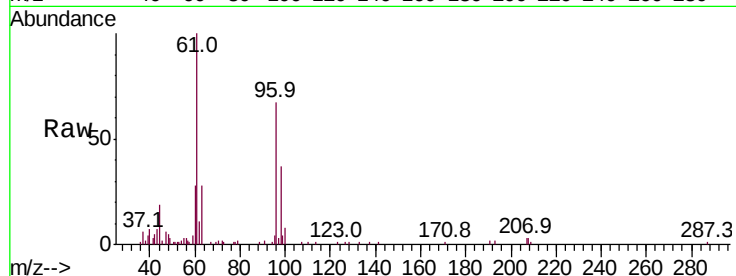


#27

cis-1,2-Dichloroethene
Concen: 8.924 ug/l
RT: 3.45 min Scan# 296
Delta R.T. -0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

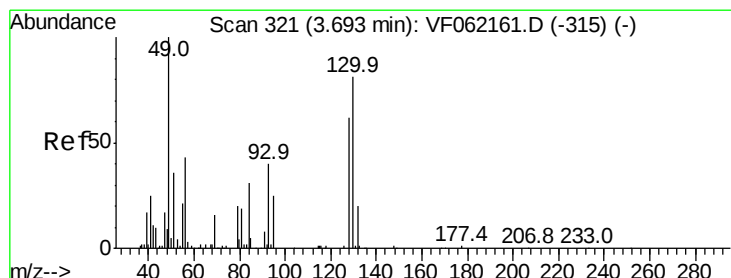
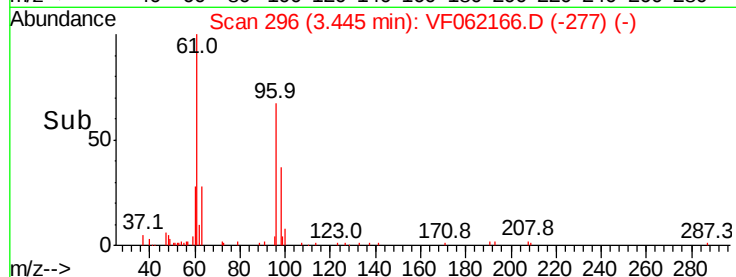
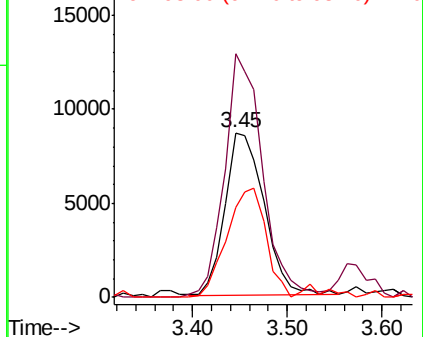
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	278.2
98	55.1	0.0	122.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

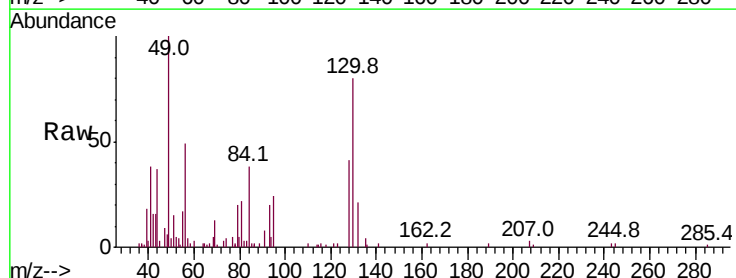
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 13.076 ug/l
RT: 3.70 min Scan# 322
Delta R.T. 0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

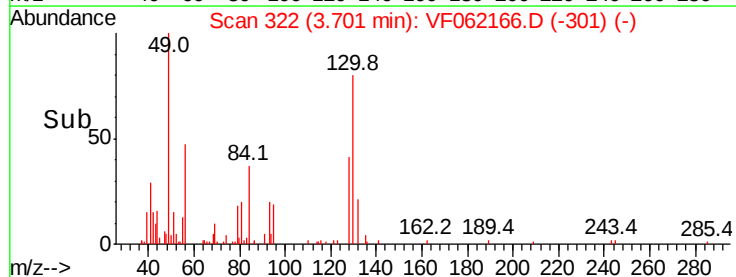
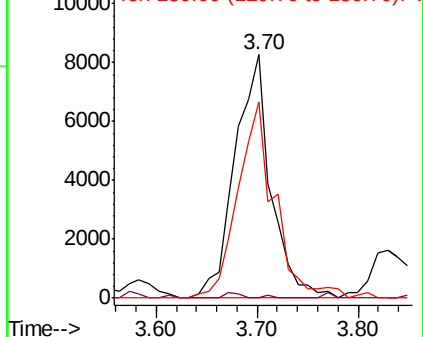
Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	80.5	65.0	97.4

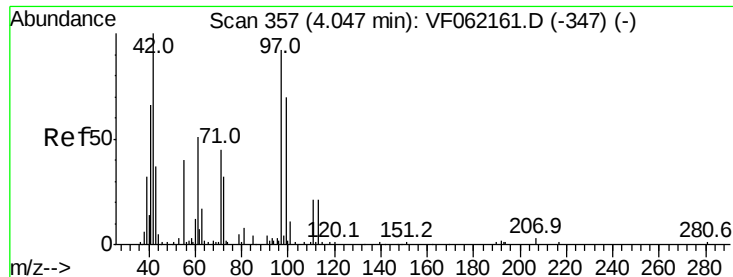


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 64.137 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

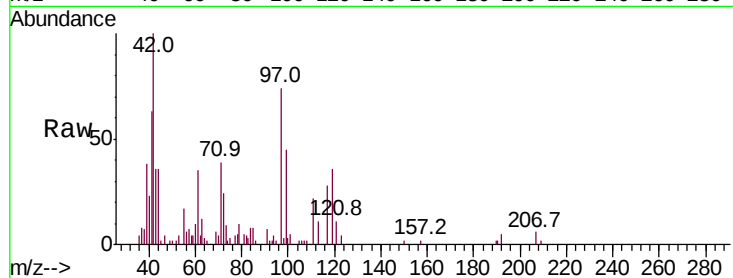
Tot Ion: 42 Resp: 21007

Ion Ratio Lower Upper

42 100

72 31.3 30.9 46.3

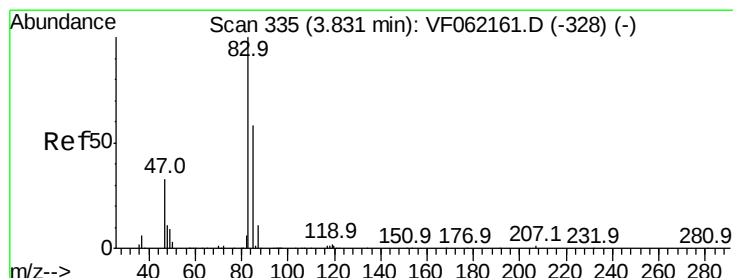
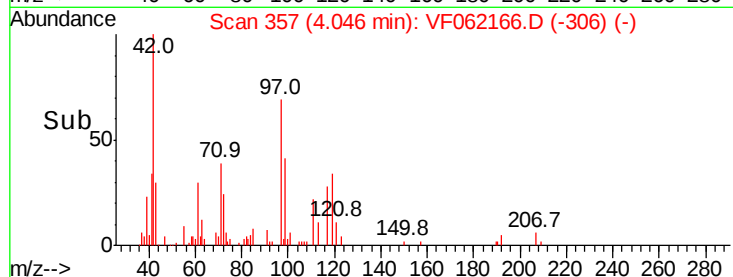
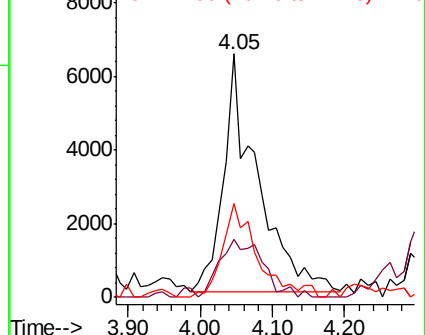
71 40.7 32.0 48.0



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: 11.695 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.01 min

Lab File: VF062166.D

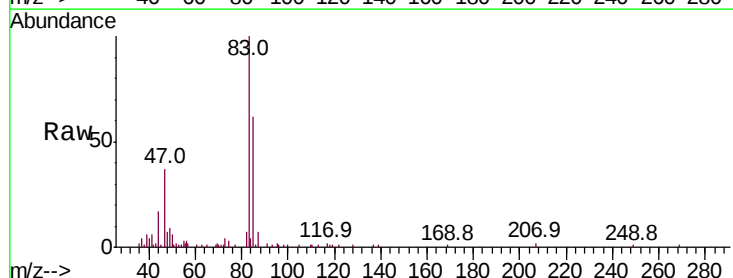
Acq: 4 Apr 2019 19:59

Tgt Ion: 83 Resp: 47230

Ion Ratio Lower Upper

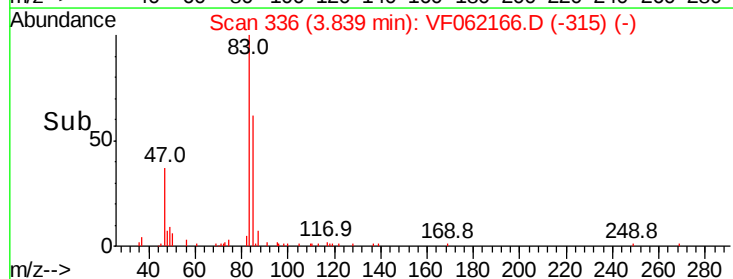
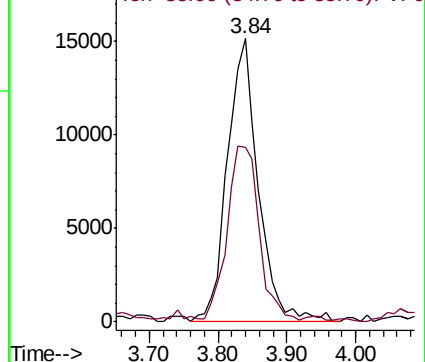
83 100

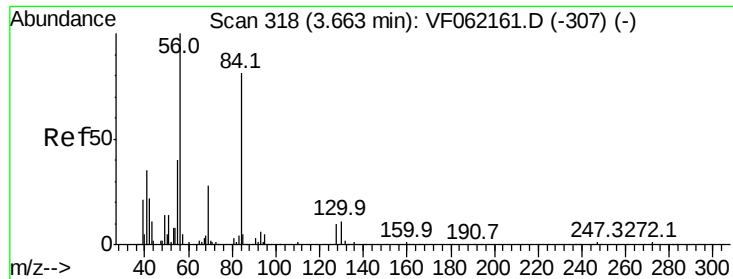
85 61.8 46.9 70.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

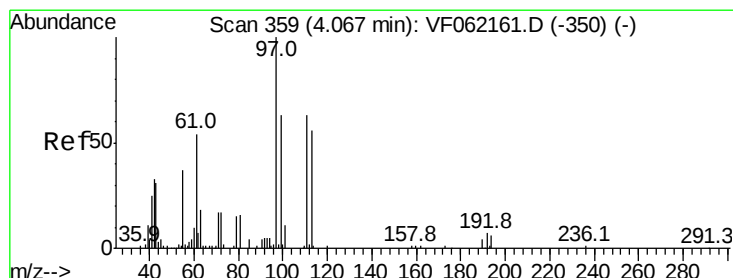
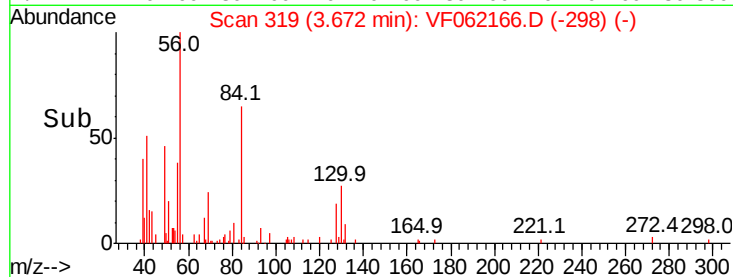
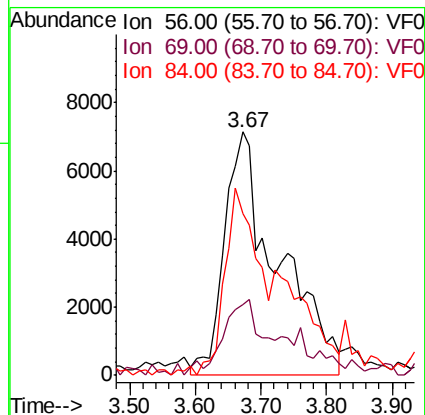
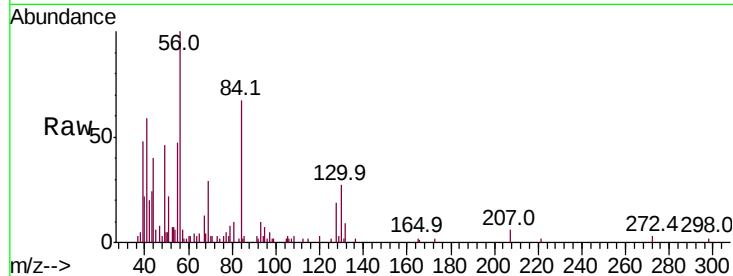




#31
Cyclohexane
Concen: 10.467 ug/l m
RT: 3.67 min Scan# 319
Delta R.T. 0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

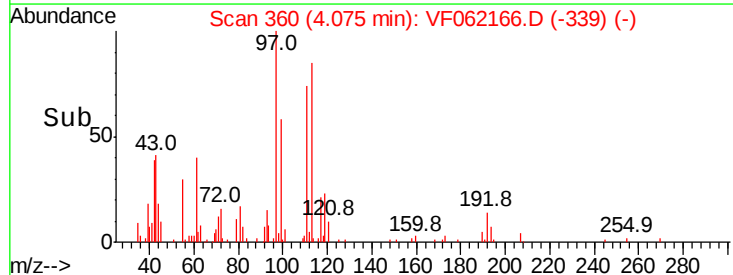
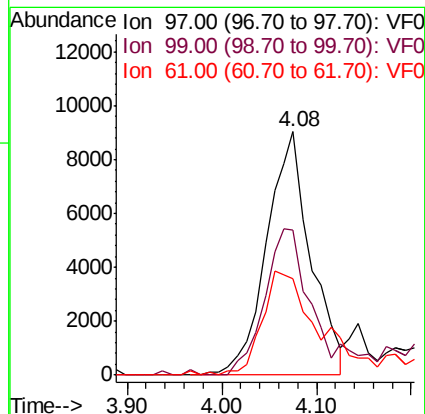
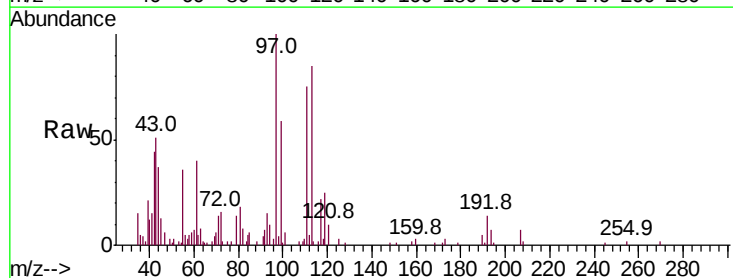
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

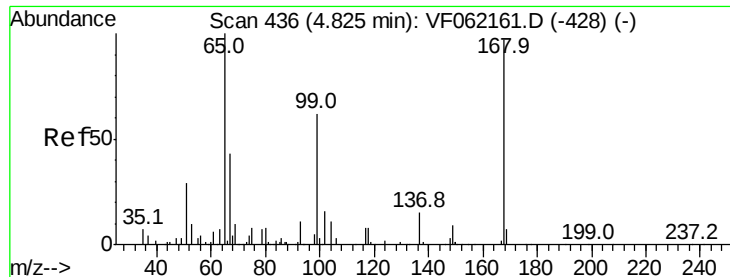
Tot Ion	56	Resp	40067
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.0	34.4
84	66.6	64.4	96.6



#32
1,1,1-Trichloroethane
Concen: 11.283 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion	97	Resp	29157
Ion	Ratio	Lower	Upper
97	100		
99	59.5	50.2	75.2
61	39.6	43.5	65.3





#33

1,2-Dichloroethane-d4

Concen: 12.927 ug/l

RT: 4.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

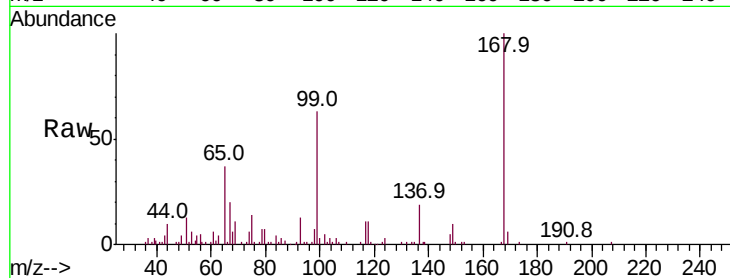
VSTDIC010

Tot Ion: 65 Resp: 24081

Ion Ratio Lower Upper

65 100

67 54.9 0.0 96.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

8000

6000

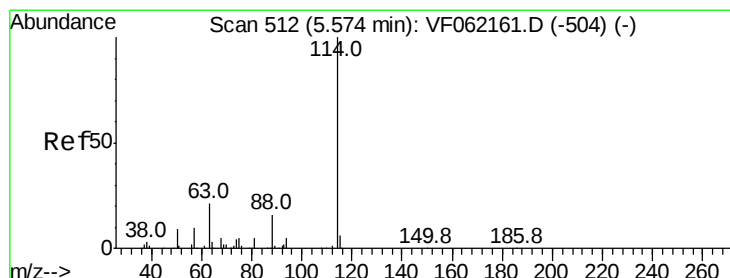
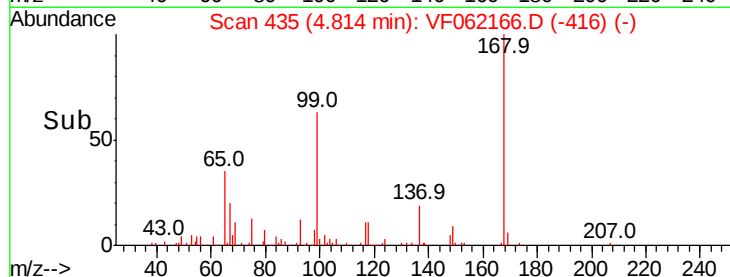
4000

2000

0

4.70 4.75 4.80 4.85 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 512

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

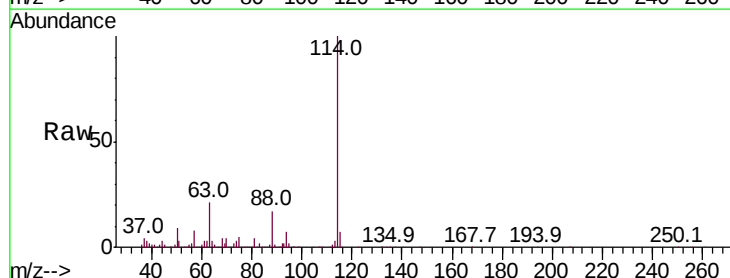
Tgt Ion: 114 Resp: 354914

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 17.4 0.0 31.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

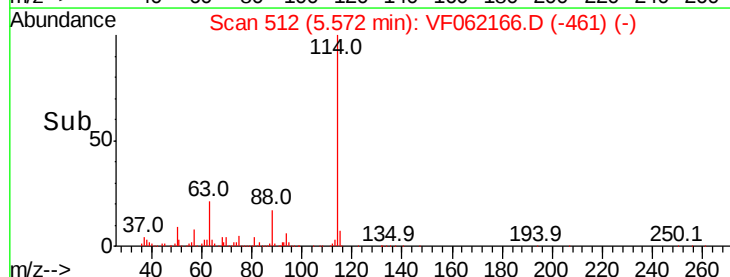
100000

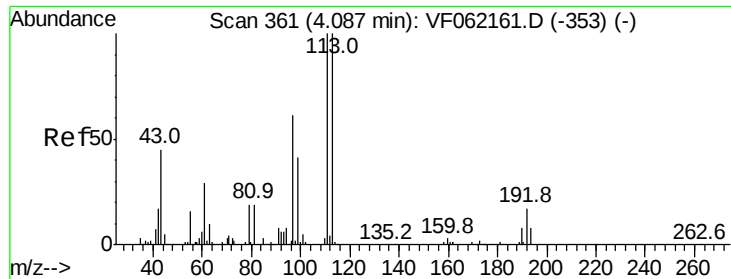
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 10.065 ug/l

RT: 4.09 min Scan# 361

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

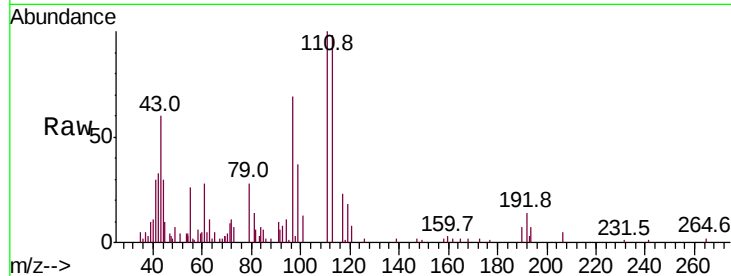
Tot Ion:113 Resp: 24633

Ion Ratio Lower Upper

113 100

111 101.7 79.8 119.6

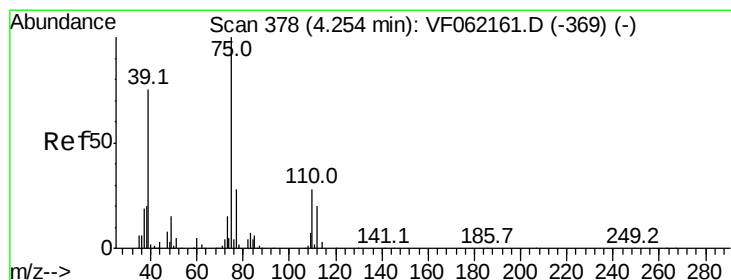
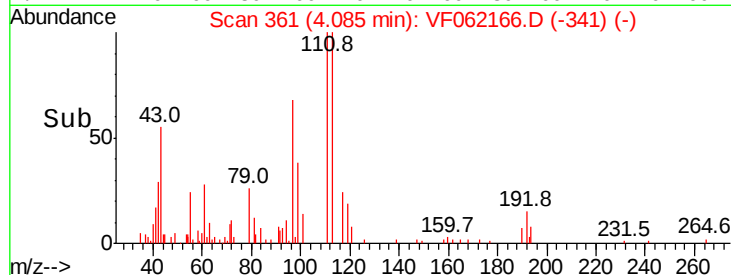
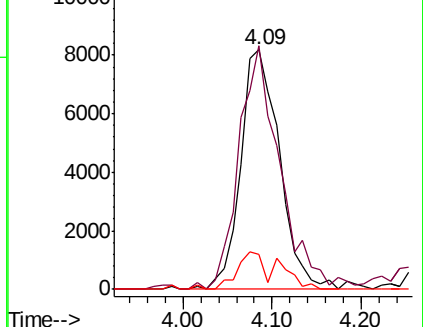
192 14.6 13.8 20.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 10.817 ug/l

RT: 4.25 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

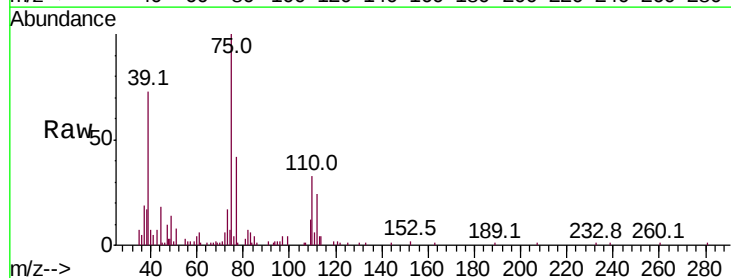
Tgt Ion: 75 Resp: 37394

Ion Ratio Lower Upper

75 100

110 33.1 13.9 41.7

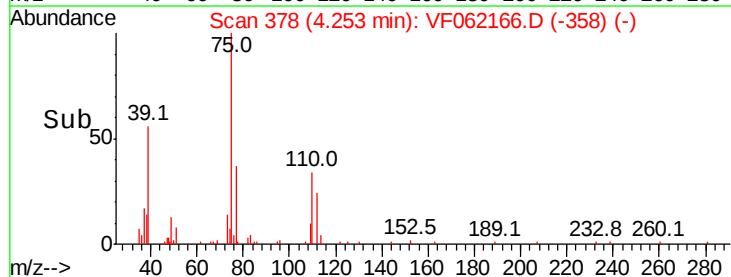
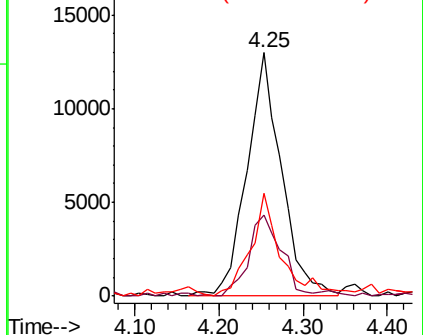
77 42.0 22.6 34.0#

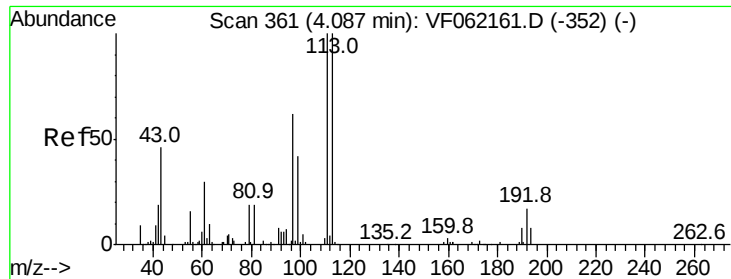


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

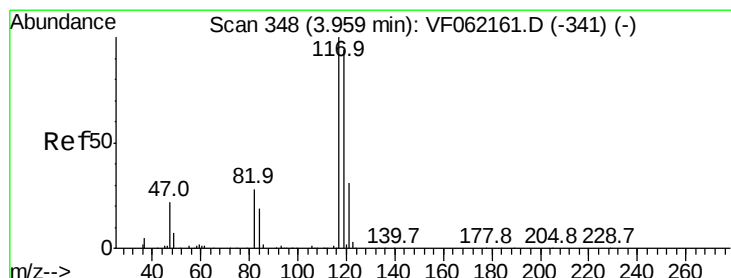
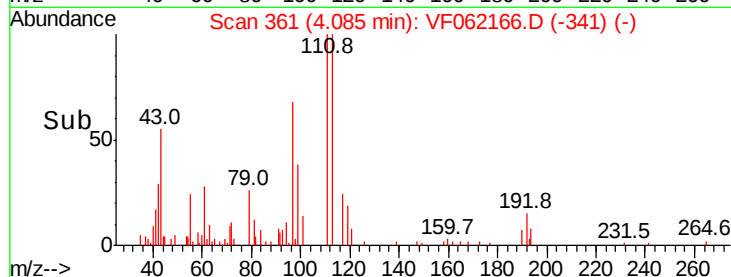
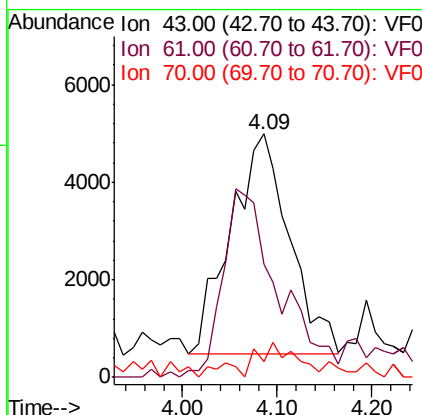
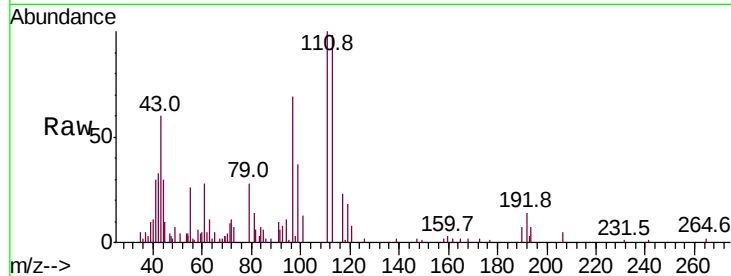




#37
Ethyl Acetate
Concen: 13.043 ug/l
RT: 4.09 min Scan# 361
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

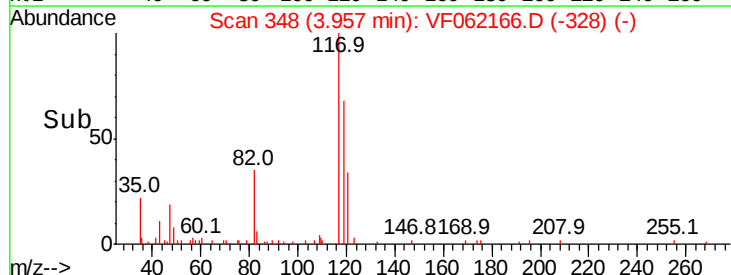
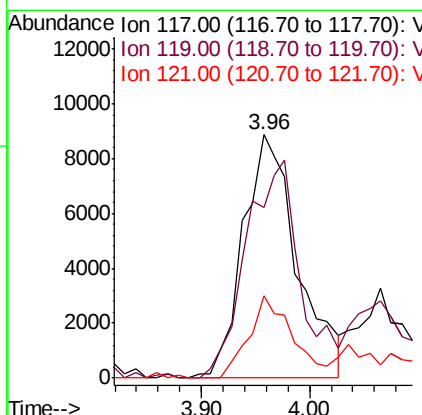
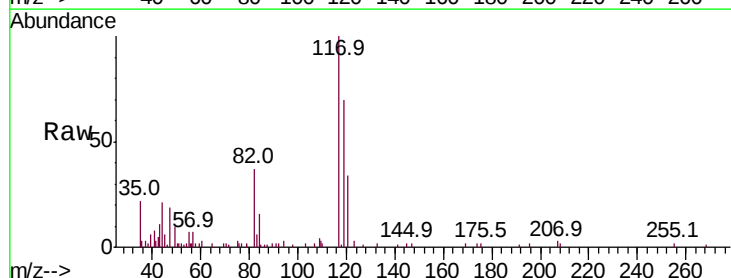
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

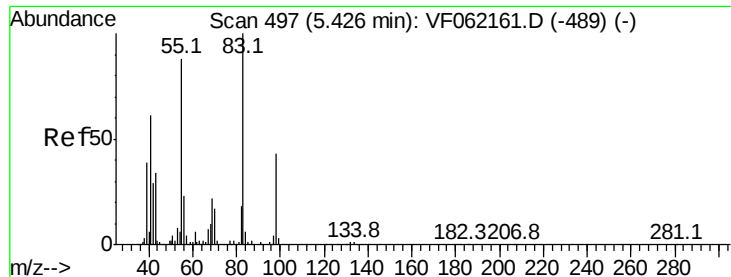
Tot Ion: 43 Resp: 19582
Ion Ratio Lower Upper
43 100
61 46.5 52.3 78.5#
70 6.3 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 12.912 ug/l
RT: 3.96 min Scan# 348
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion: 117 Resp: 31061
Ion Ratio Lower Upper
117 100
119 69.2 75.5 113.3#
121 33.4 24.6 37.0

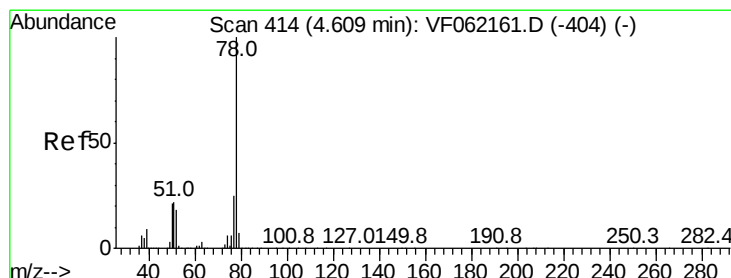
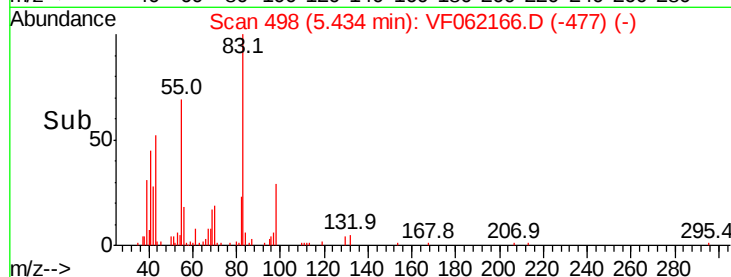
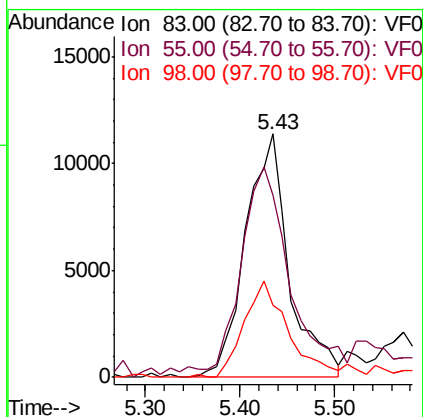
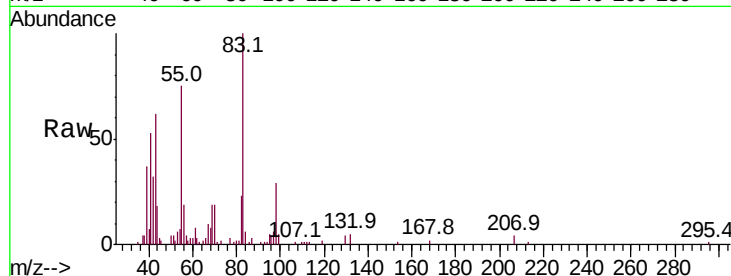




#39
Methvlcvclohexane
Concen: 9.571 ug/l
RT: 5.43 min Scan# 498
Delta R.T. 0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

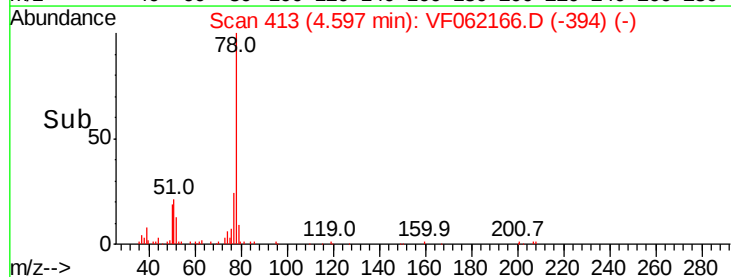
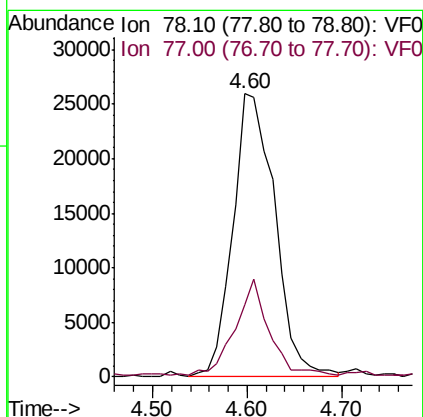
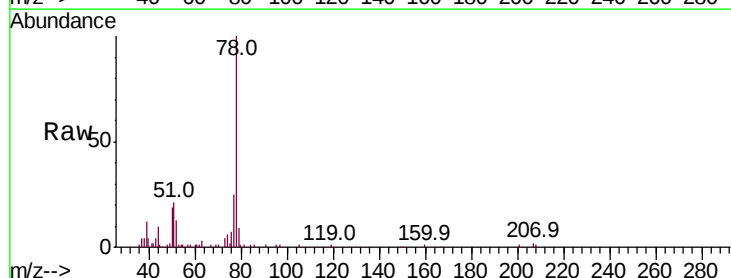
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

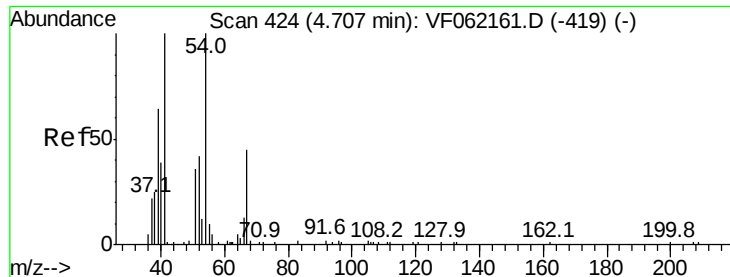
Tot Ion: 83 Resp: 36756
Ion Ratio Lower Upper
83 100
55 74.8 70.7 106.1
98 29.5 34.6 51.8#



#40
Benzene
Concen: 8.867 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion: 78 Resp: 79305
Ion Ratio Lower Upper
78 100
77 25.4 19.9 29.9





#41

Methacrylonitrile

Concen: 14.388 ug/l

RT: 4.73 min Scan# 426

Delta R.T. 0.02 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 11482

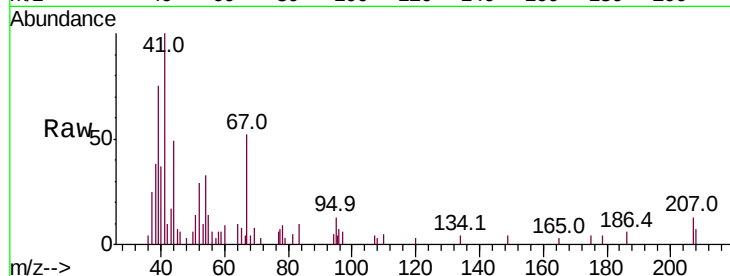
Ion Ratio Lower Upper

41 100

39 74.8 56.5 84.7

67 51.7 35.7 53.5

52 29.0 42.2 63.4#

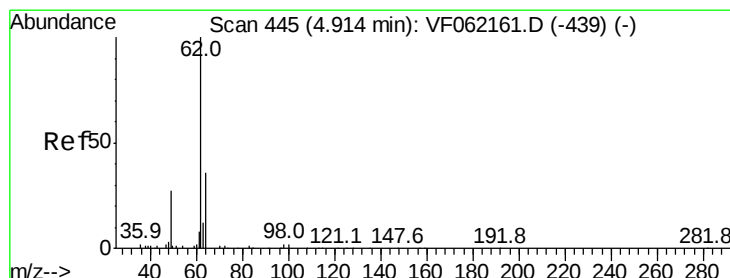
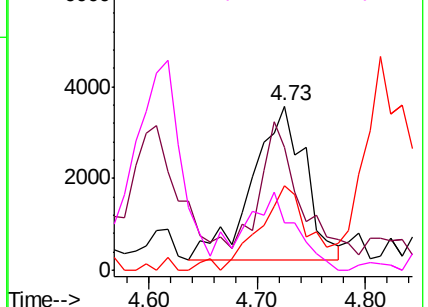
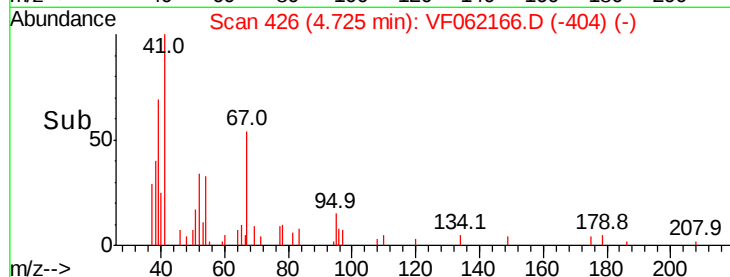


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 13.994 ug/l

RT: 4.91 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF062166.D

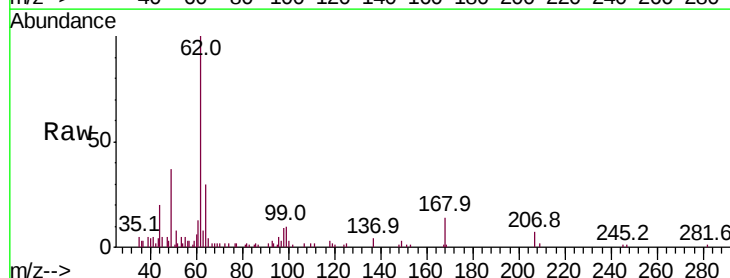
Acq: 4 Apr 2019 19:59

Tgt Ion: 62 Resp: 32076

Ion Ratio Lower Upper

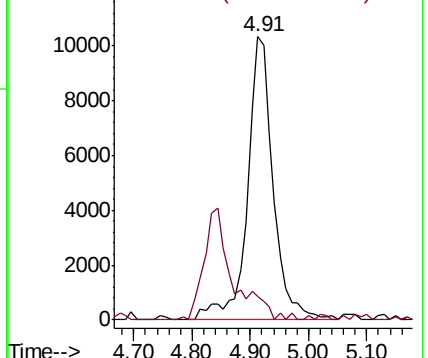
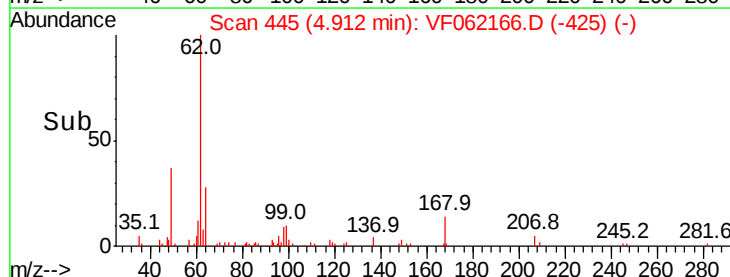
62 100

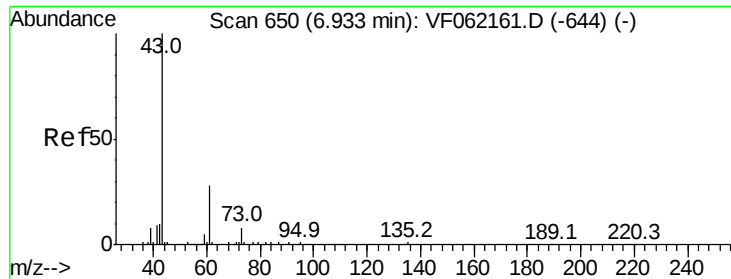
98 8.5 0.0 14.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 11.844 ug/l

RT: 6.94 min Scan# 651

Delta R.T. 0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

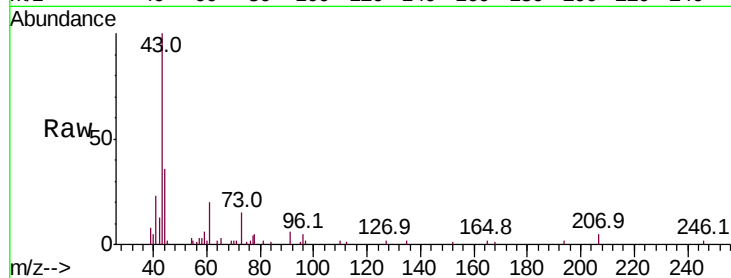
Tot Ion: 43 Resp: 21167

Ion Ratio Lower Upper

43 100

61 19.7 22.5 33.7#

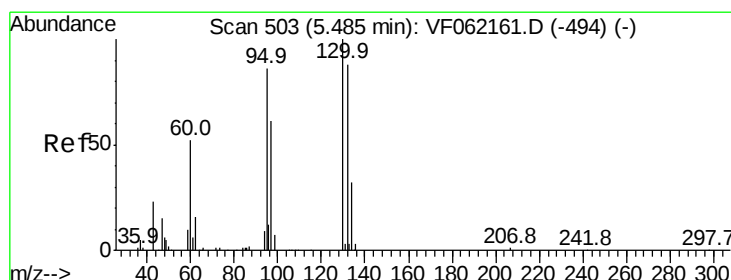
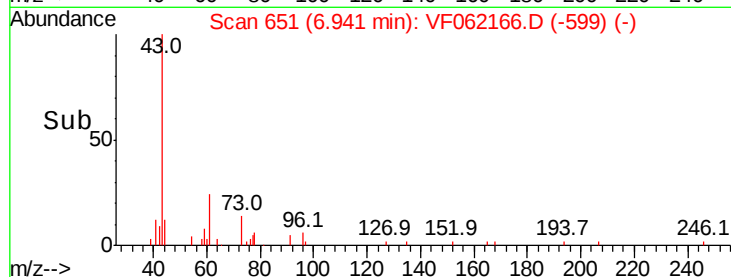
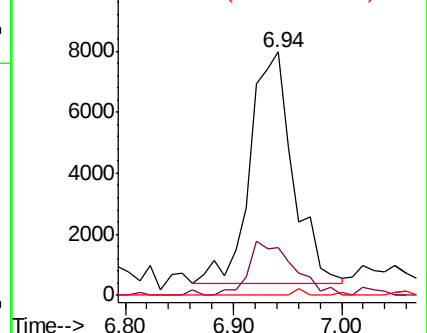
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 9.213 ug/l

RT: 5.47 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF062166.D

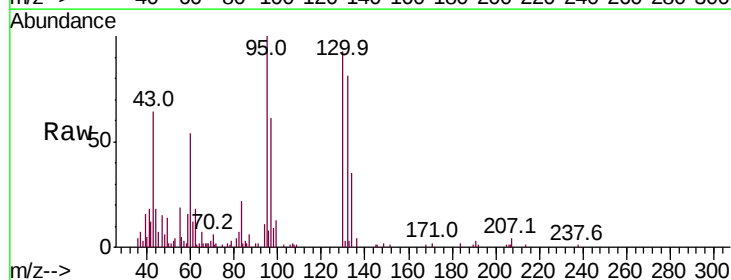
Acq: 4 Apr 2019 19:59

Tgt Ion:130 Resp: 25263

Ion Ratio Lower Upper

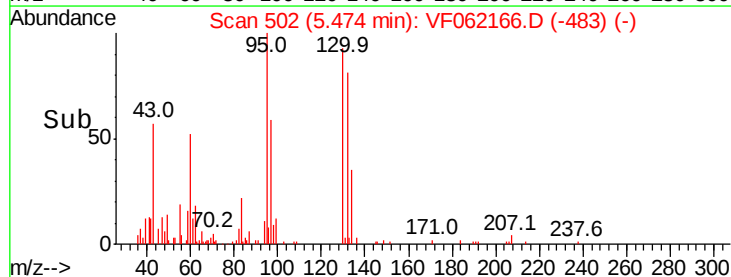
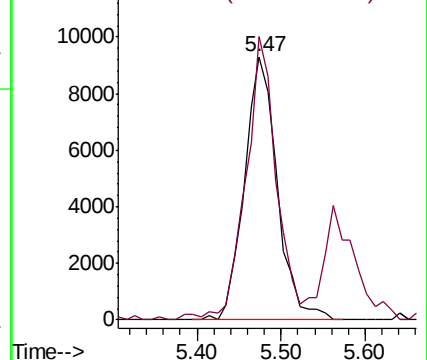
130 100

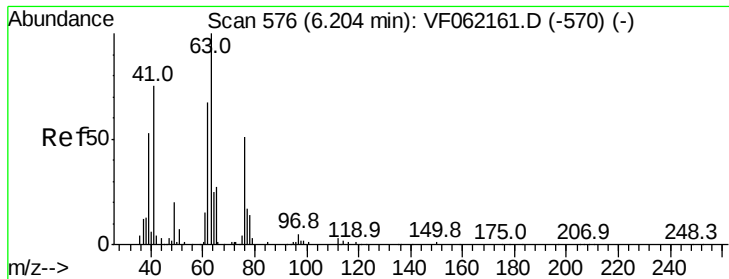
95 107.4 0.0 172.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 9.286 ug/l

RT: 6.20 min Scan# 576

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

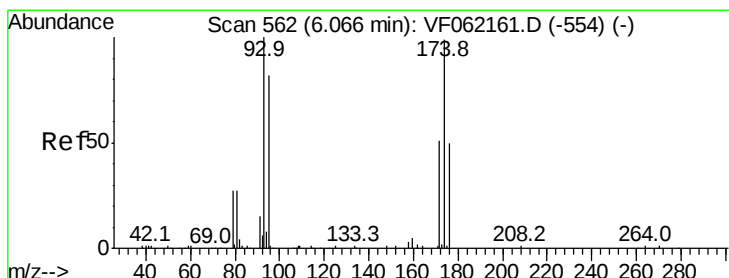
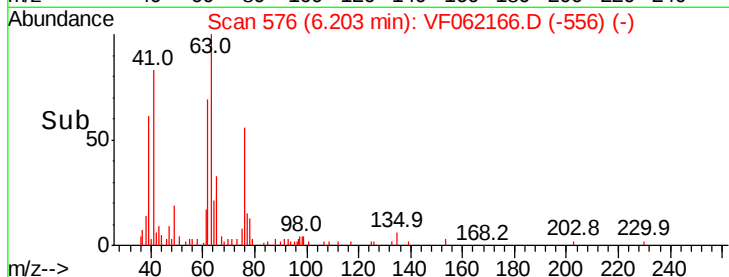
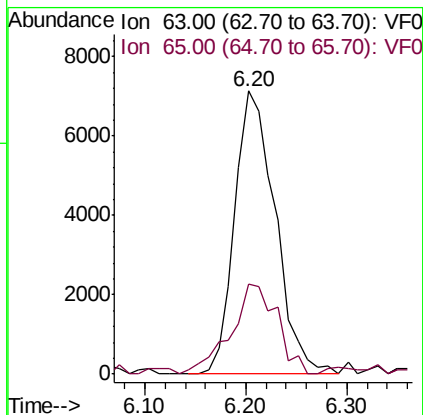
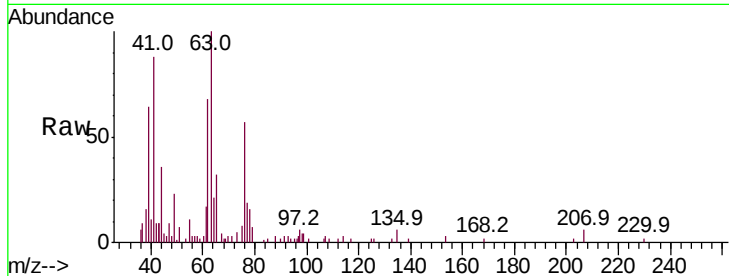
VSTDIC010

Tot Ion: 63 Resp: 19961

Ion Ratio Lower Upper

63 100

65 31.9 21.8 32.6



#46

Dibromomethane

Concen: 9.945 ug/l

RT: 6.06 min Scan# 562

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

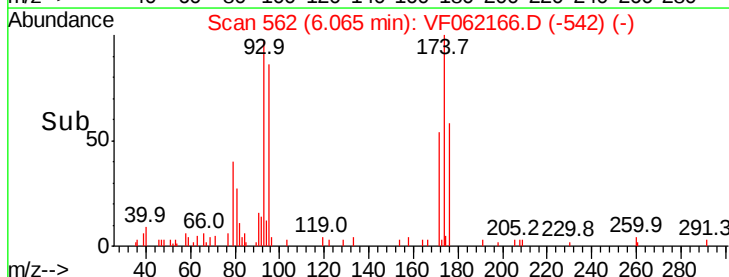
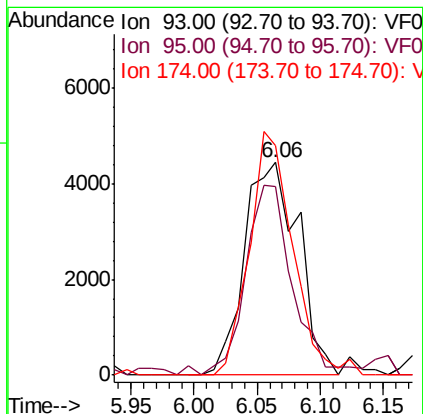
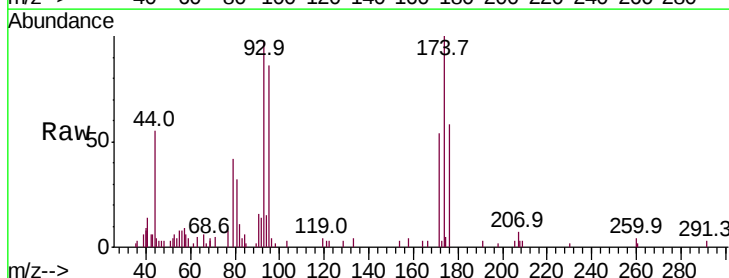
Tgt Ion: 93 Resp: 13229

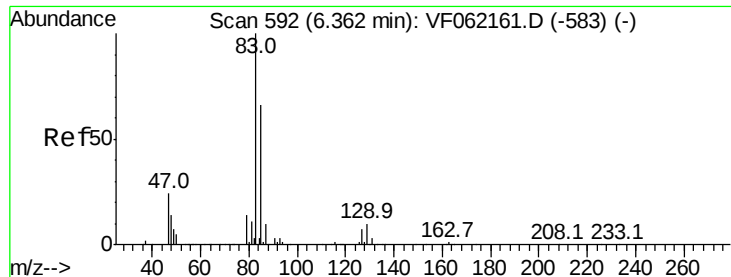
Ion Ratio Lower Upper

93 100

95 88.8 66.5 99.7

174 107.8 79.2 118.8





#47

Bromodichloromethane

Concen: 12.236 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

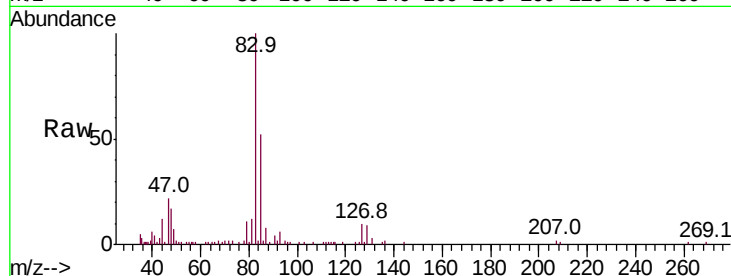
Tot Ion: 83 Resp: 37223

Ion Ratio Lower Upper

83 100

85 51.9 52.9 79.3#

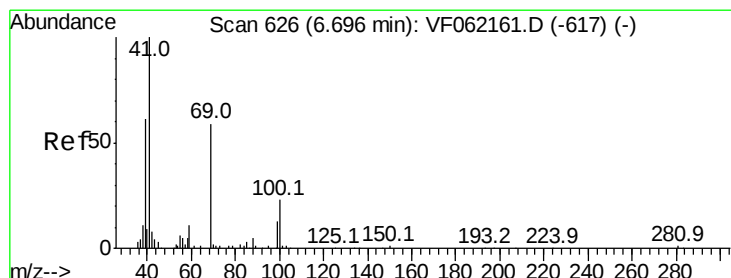
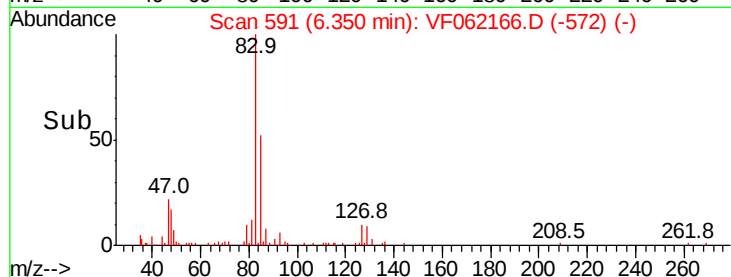
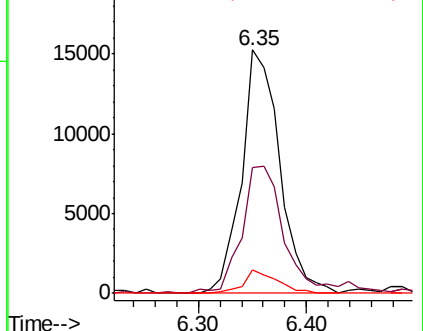
127 9.5 5.9 8.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 13.435 ug/l

RT: 6.70 min Scan# 627

Delta R.T. 0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

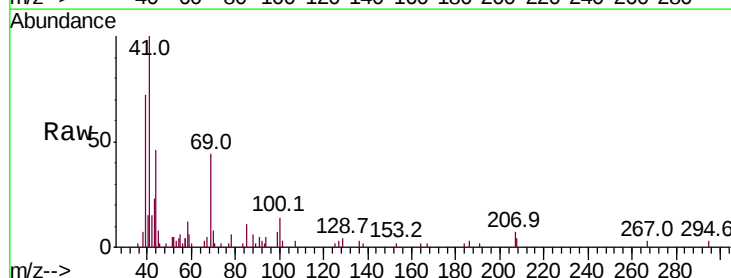
Tgt Ion: 41 Resp: 14457

Ion Ratio Lower Upper

41 100

69 44.2 46.7 70.1#

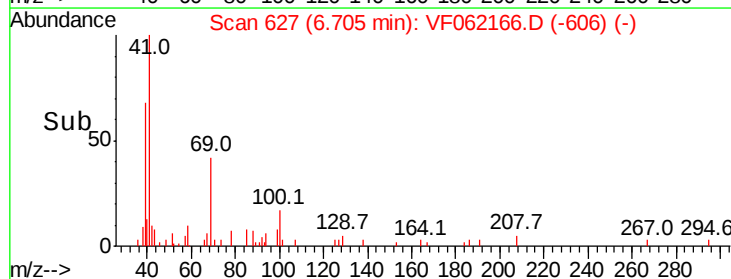
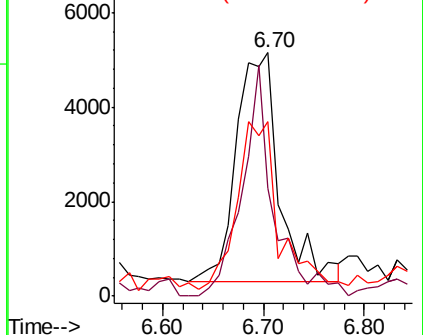
39 71.9 51.4 77.0

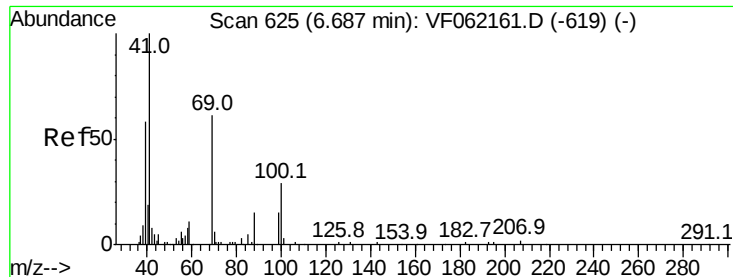


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 166.410 ug/l

RT: 6.69 min Scan# 625

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

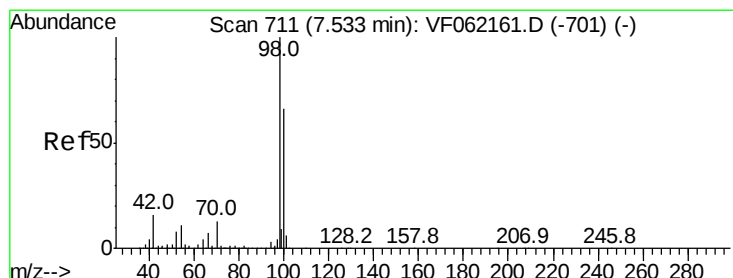
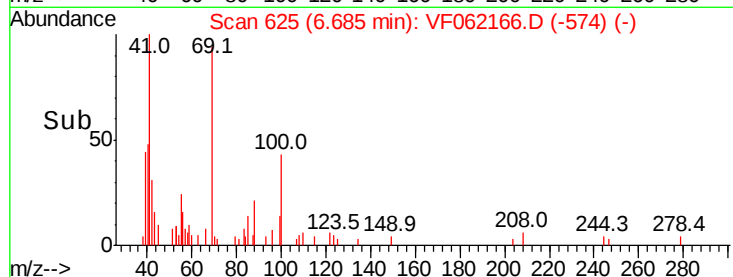
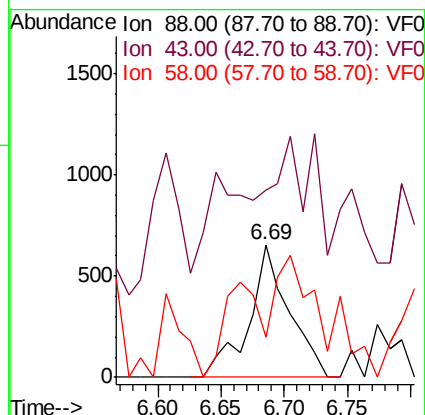
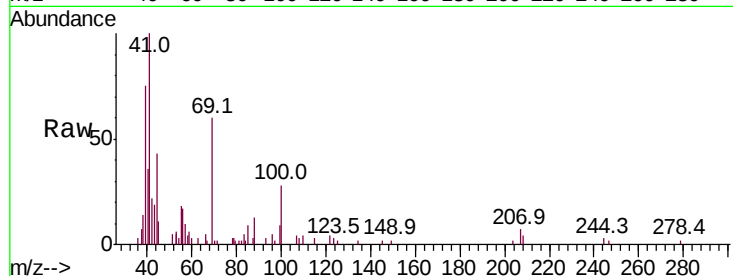
Tot Ion: 88 Resp: 1449

Ion Ratio Lower Upper

88 100

43 140.9 51.0 76.6#

58 29.9 41.3 61.9#



#50

Toluene-d8

Concen: 10.499 ug/l

RT: 7.52 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF062166.D

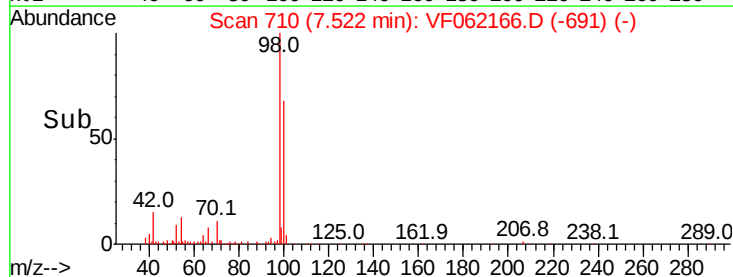
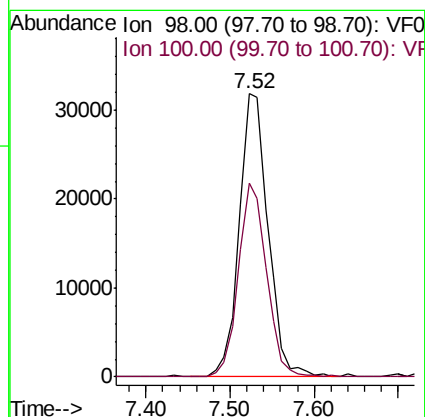
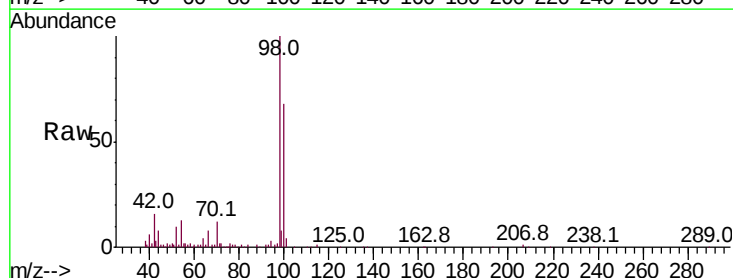
Acq: 4 Apr 2019 19:59

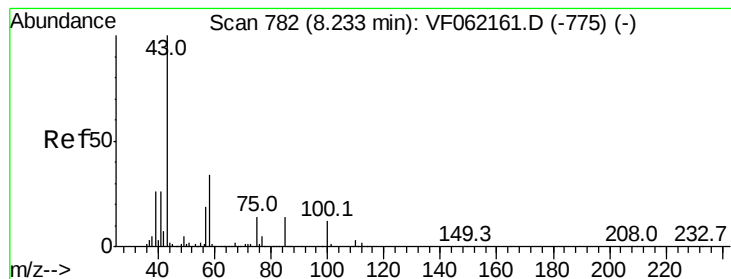
Tgt Ion: 98 Resp: 76124

Ion Ratio Lower Upper

98 100

100 68.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 60.759 ug/l

RT: 8.23 min Scan# 782

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

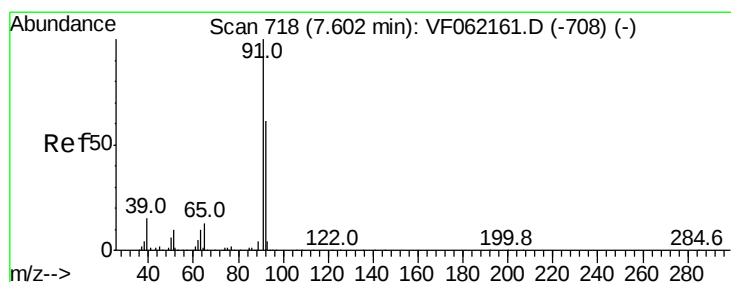
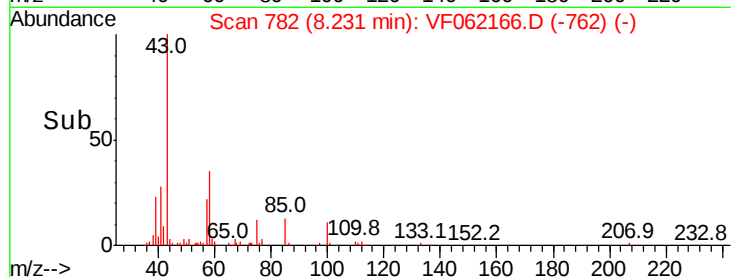
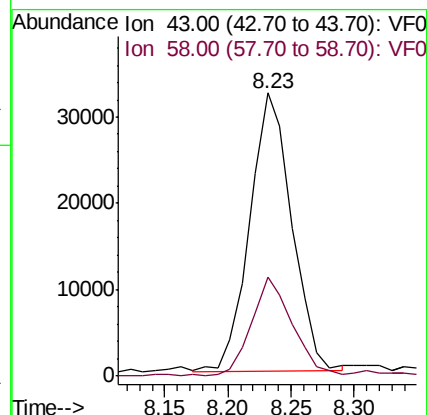
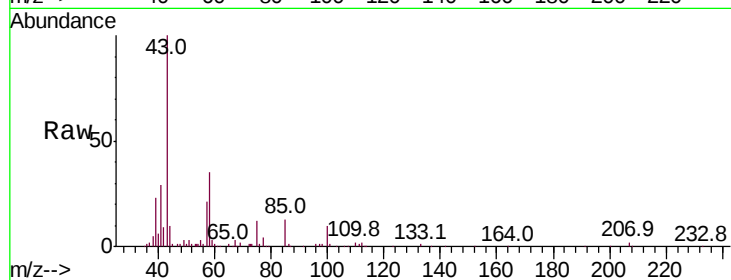
VSTDIC010

Tot Ion: 43 Resp: 74382

Ion Ratio Lower Upper

43 100

58 34.8 27.0 40.4



#52

Toluene

Concen: 9.496 ug/l

RT: 7.59 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF062166.D

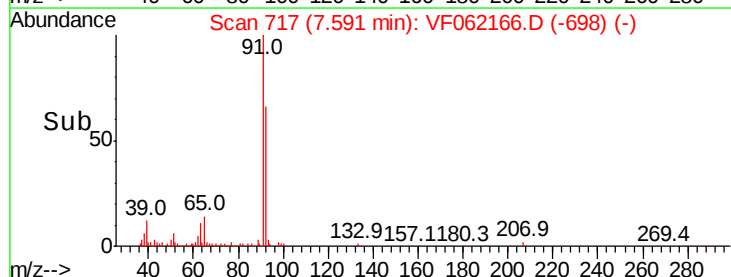
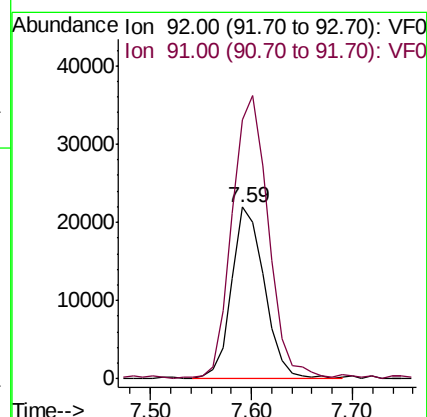
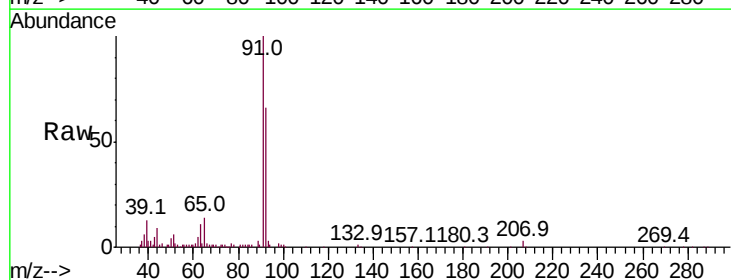
Acq: 4 Apr 2019 19:59

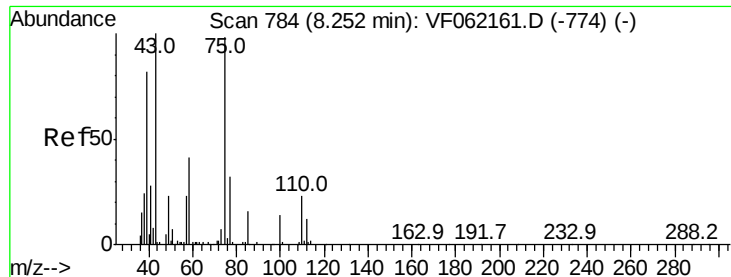
Tgt Ion: 92 Resp: 50090

Ion Ratio Lower Upper

92 100

91 150.7 130.8 196.2





#53

t-1,3-Dichloropropene

Concen: 11.114 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

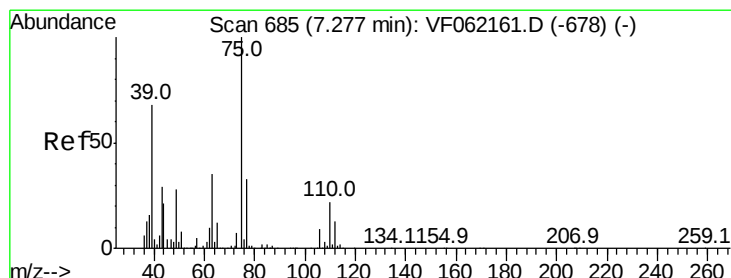
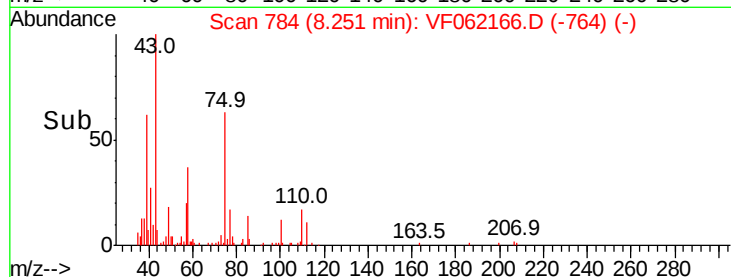
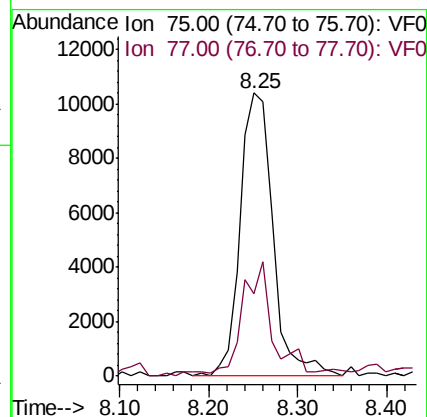
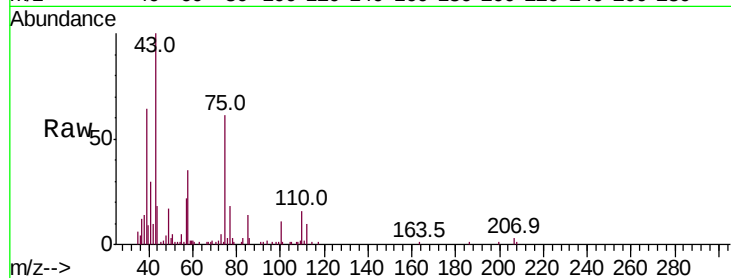
VSTDIC010

Tot Ion: 75 Resp: 26766

Ion Ratio Lower Upper

75 100

77 28.9 26.6 39.8



#54

cis-1,3-Dichloropropene

Concen: 10.359 ug/l

RT: 7.28 min Scan# 685

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

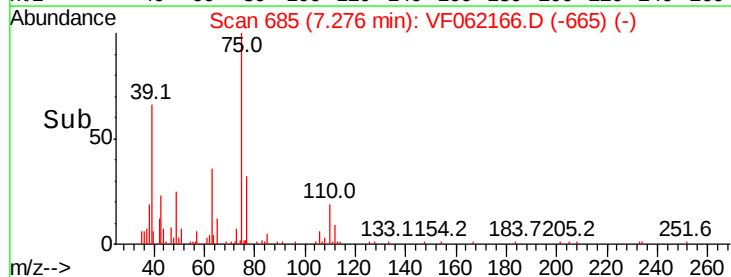
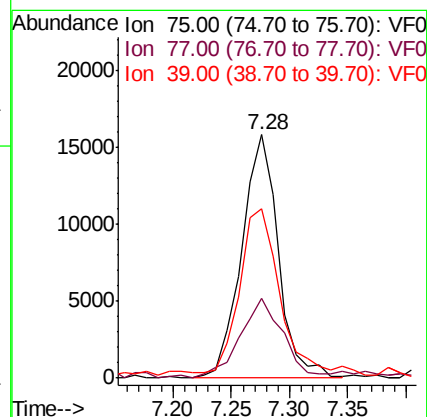
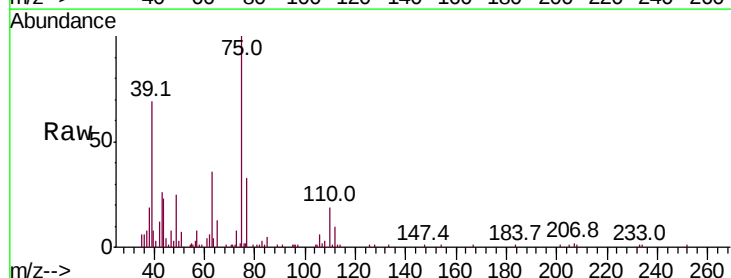
Tgt Ion: 75 Resp: 34524

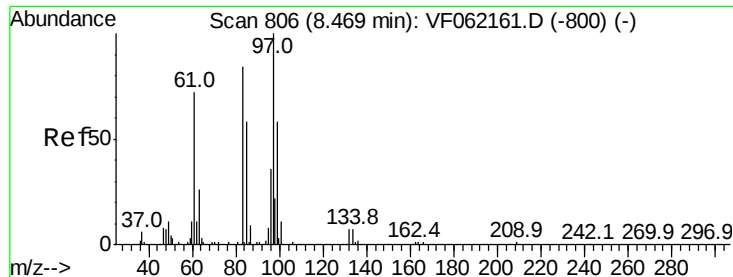
Ion Ratio Lower Upper

75 100

77 32.6 26.7 40.1

39 69.4 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 10.047 ug/l

RT: 8.46 min Scan# 805

Delta R.T. -0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 14882

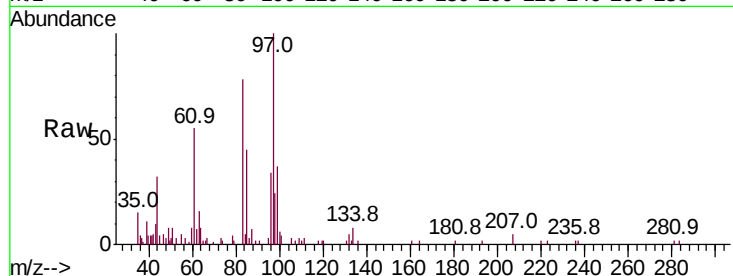
Ion Ratio Lower Upper

97 100

83 77.7 67.4 101.0

85 45.1 46.6 70.0#

99 37.0 46.5 69.7#

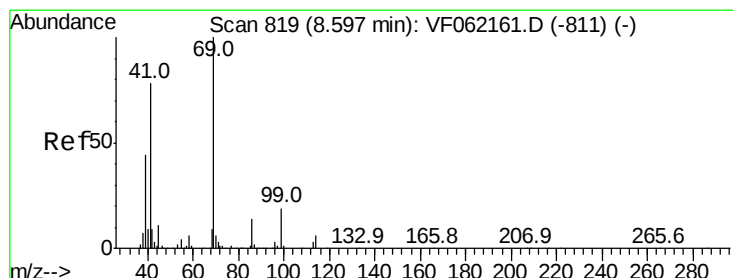
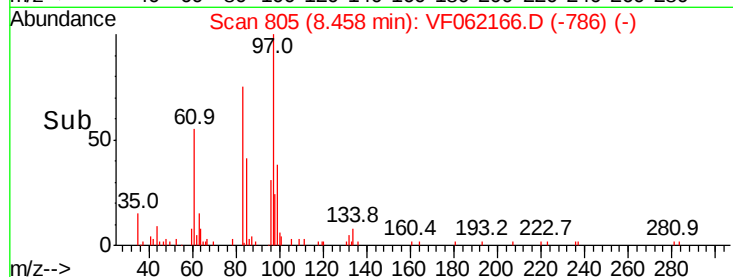
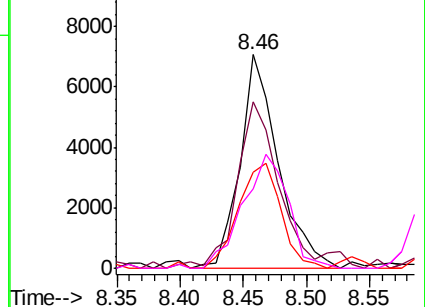


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 11.533 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

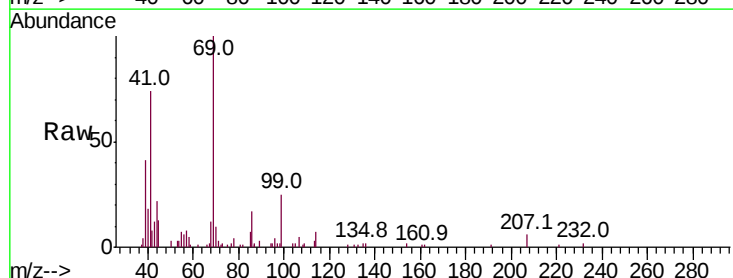
Tgt Ion: 69 Resp: 20784

Ion Ratio Lower Upper

69 100

41 74.4 63.0 94.4

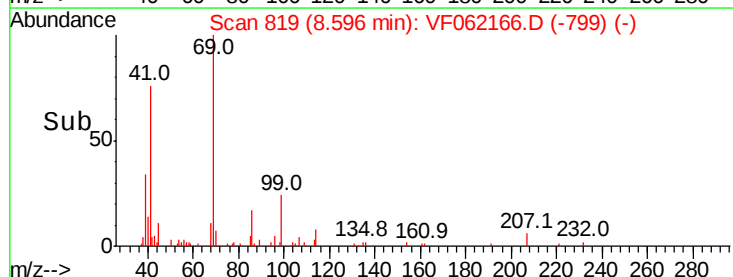
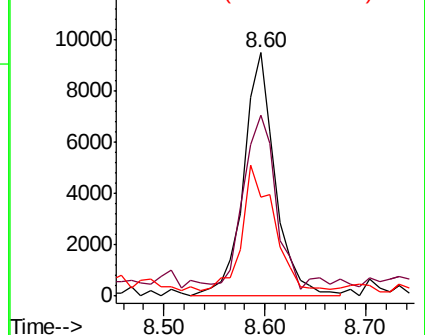
39 40.8 36.1 54.1

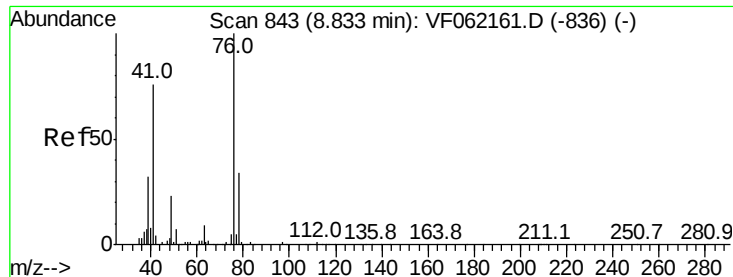


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 9.723 ug/l

RT: 8.83 min Scan# 843

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

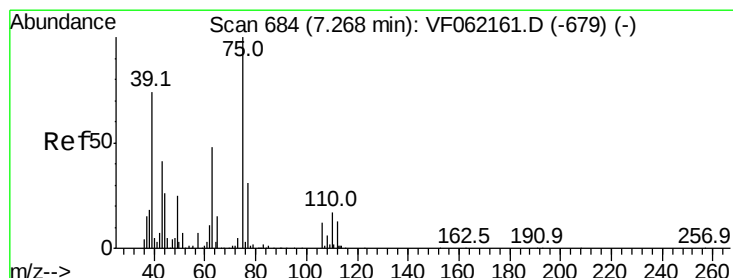
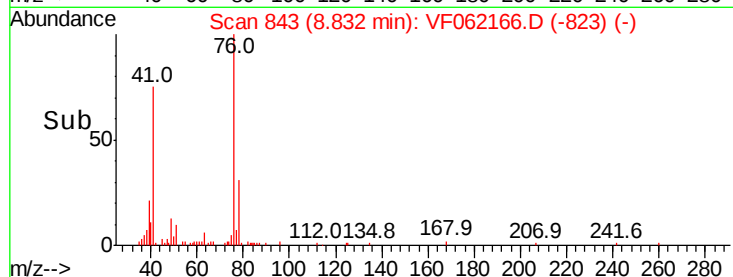
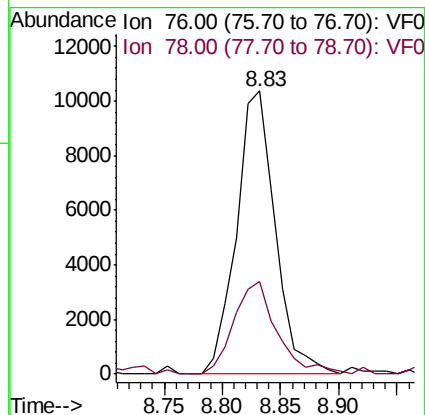
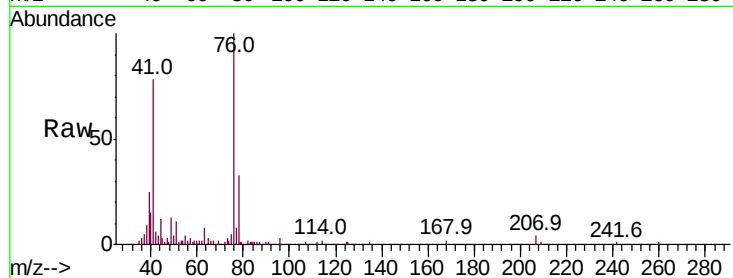
VSTDIC010

Tot Ion: 76 Resp: 23888

Ion Ratio Lower Upper

76 100

78 32.6 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 49.946 ug/l

RT: 7.28 min Scan# 685

Delta R.T. 0.01 min

Lab File: VF062166.D

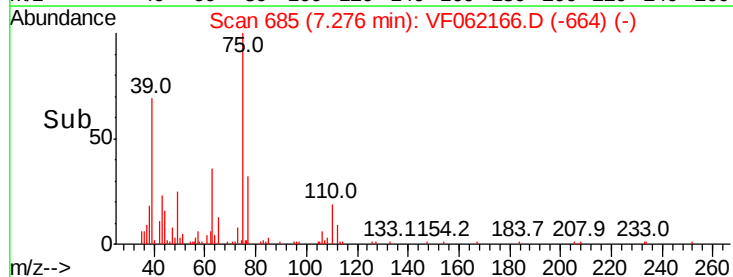
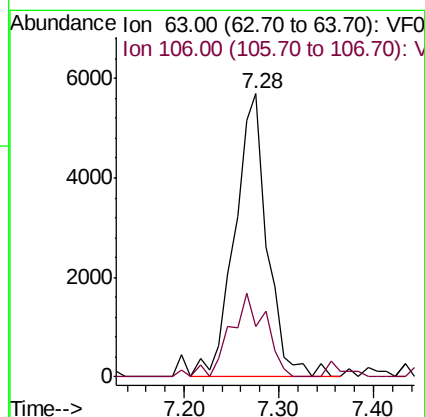
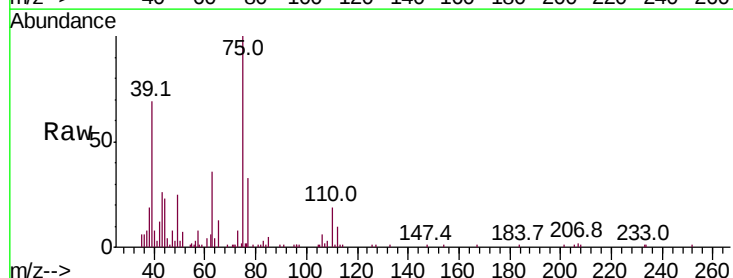
Acq: 4 Apr 2019 19:59

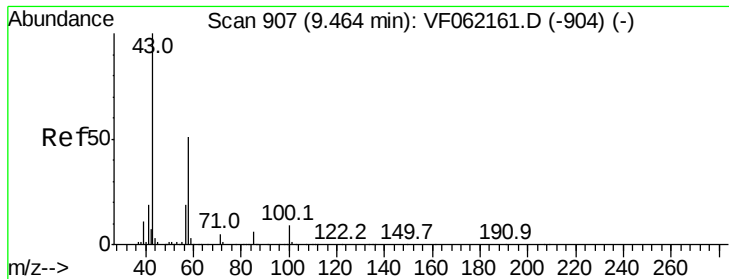
Tgt Ion: 63 Resp: 13516

Ion Ratio Lower Upper

63 100

106 17.7 20.6 31.0#

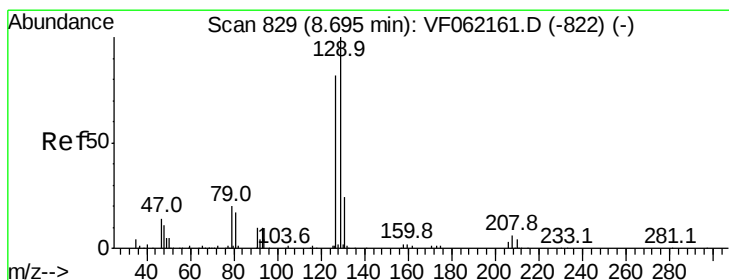
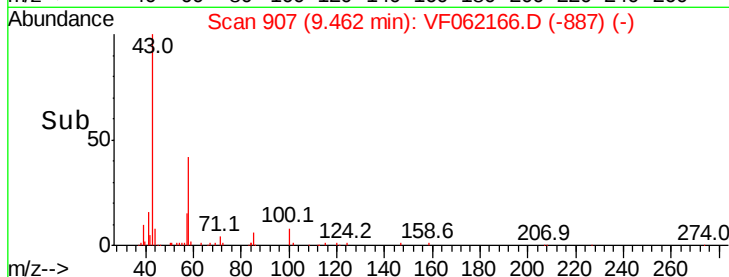
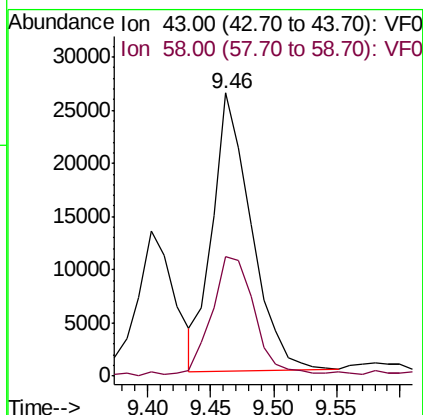
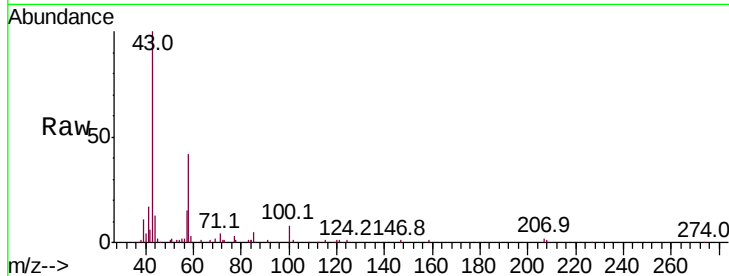




#59
2-Hexanone
Concen: 62.593 ug/l
RT: 9.46 min Scan# 907
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

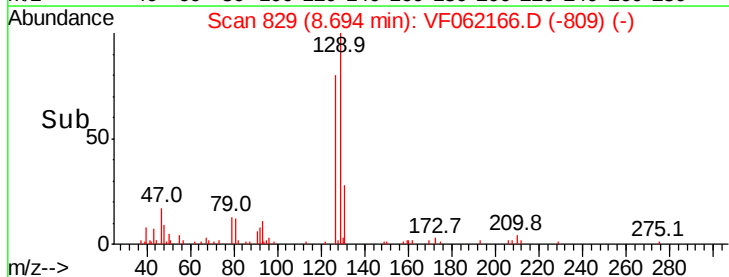
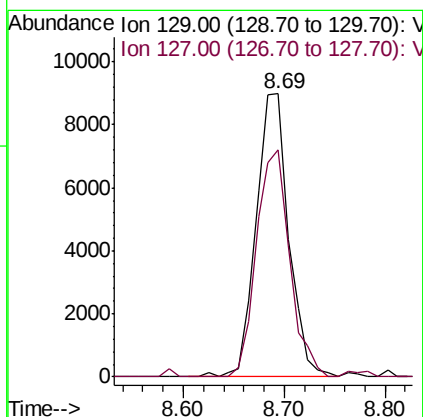
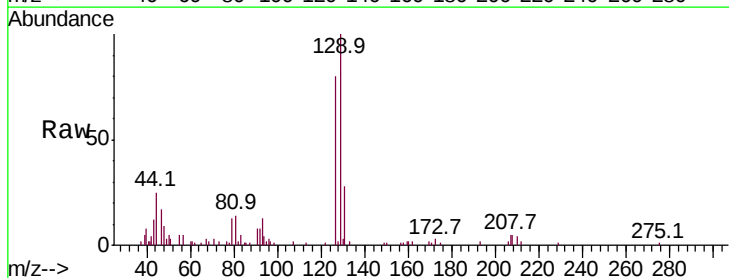
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

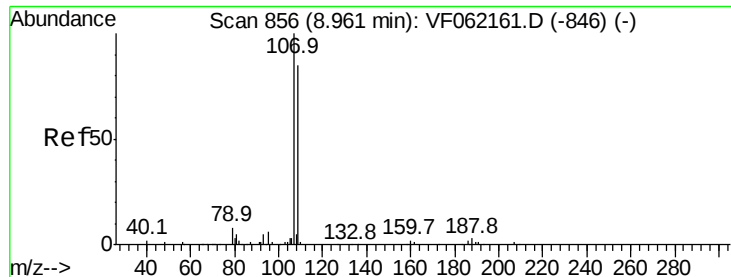
Tot Ion: 43 Resp: 55781
Ion Ratio Lower Upper
43 100
58 42.2 23.3 69.9



#60
Dibromochloromethane
Concen: 9.700 ug/l
RT: 8.69 min Scan# 829
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion: 129 Resp: 20243
Ion Ratio Lower Upper
129 100
127 80.4 40.9 122.7





#61

1,2-Dibromoethane

Concen: 10.483 ug/l

RT: 8.96 min Scan# 856

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

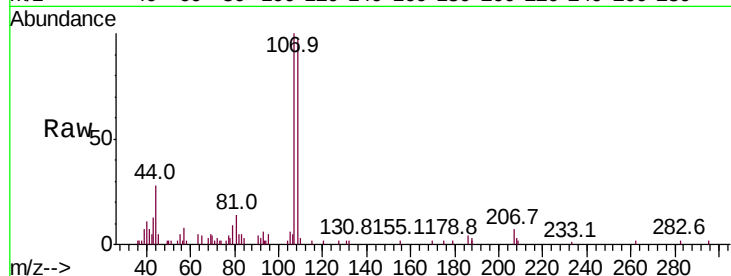
VSTDIC010

Tot Ion:107 Resp: 16548

Ion Ratio Lower Upper

107 100

109 96.8 68.4 102.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

6000

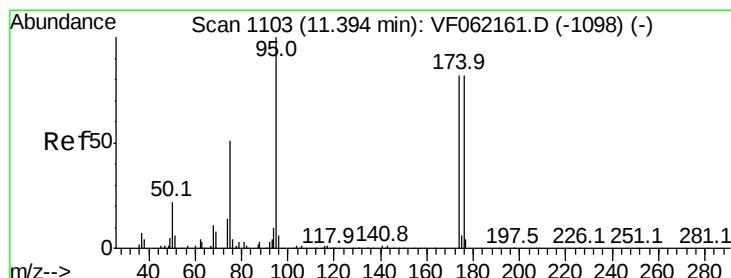
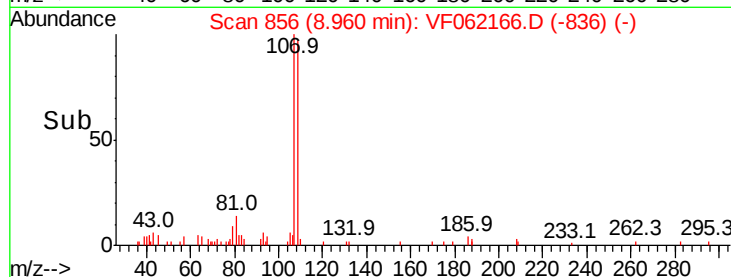
4000

2000

0

8.85 8.90 8.95 9.00 9.05

Time-->



#62

4-Bromofluorobenzene

Concen: 11.390 ug/l

RT: 11.39 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

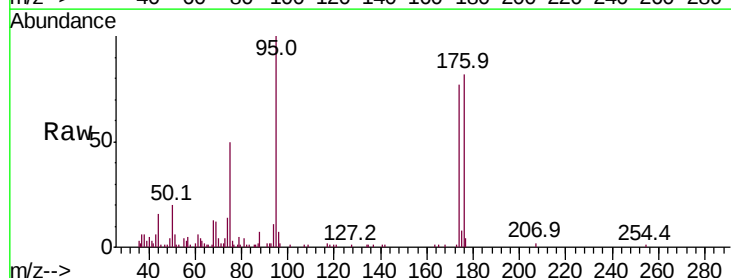
Tgt Ion: 95 Resp: 32158

Ion Ratio Lower Upper

95 100

174 77.3 0.0 164.8

176 82.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

20000

15000

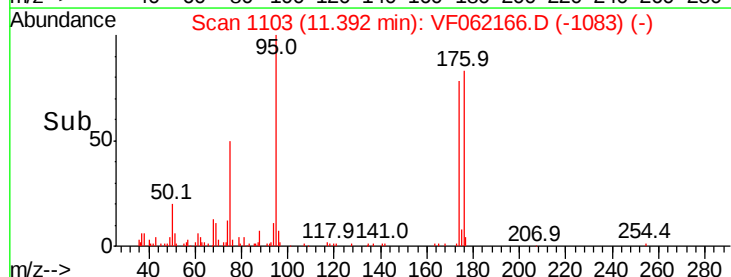
10000

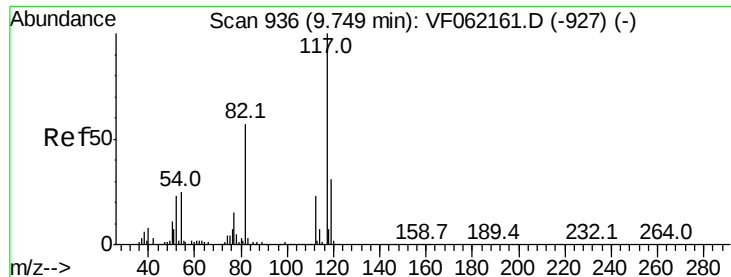
5000

0

11.30 11.40

Time-->

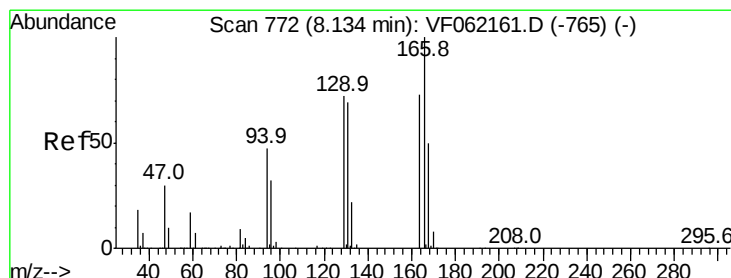
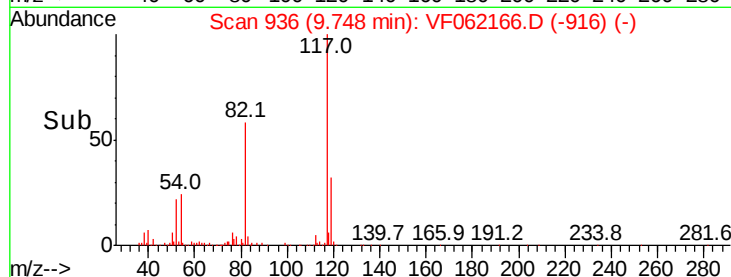
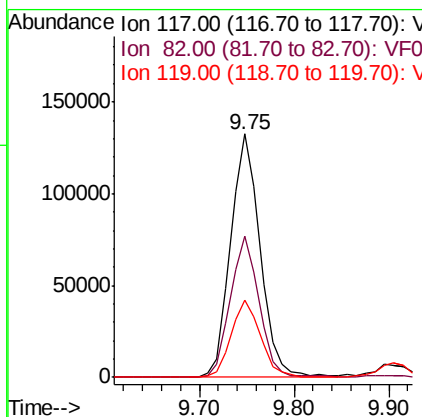
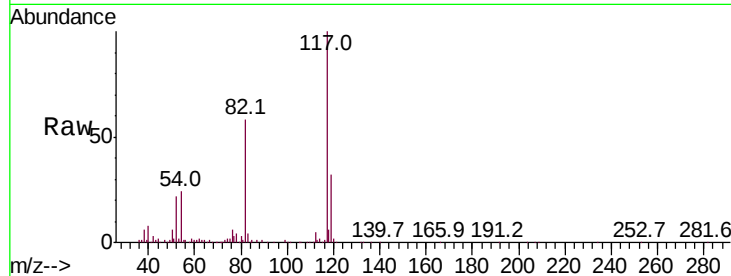




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

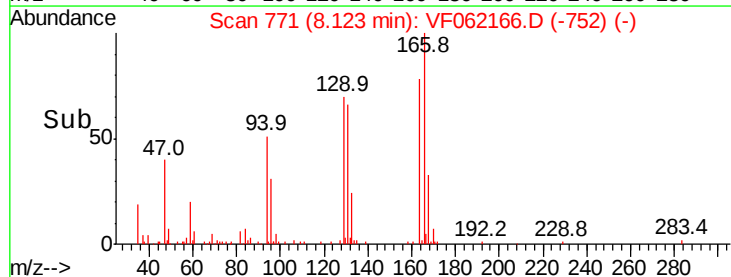
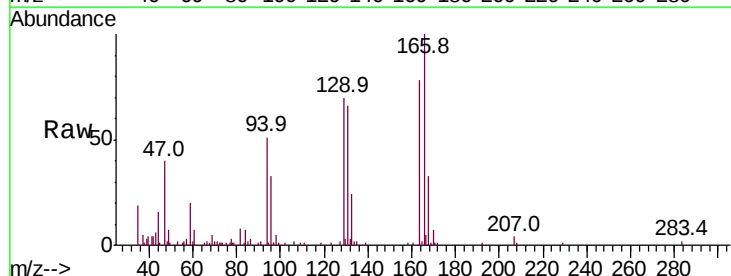
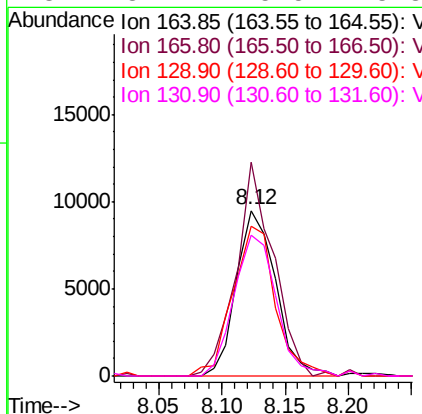
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

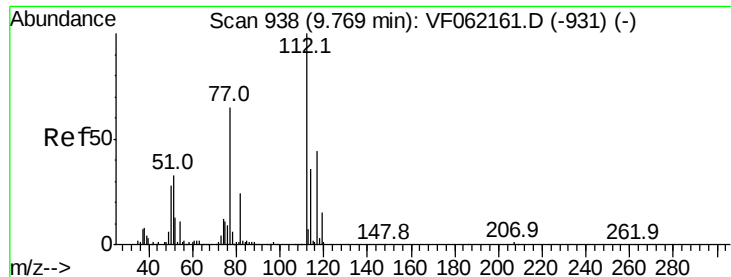
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.5	68.3
119	31.6	24.9	37.3



#64
Tetrachloroethene
Concen: 9.323 ug/l
RT: 8.12 min Scan# 771
Delta R.T. -0.01 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	110.2	165.2
129	90.4	79.0	118.6
131	84.7	75.5	113.3

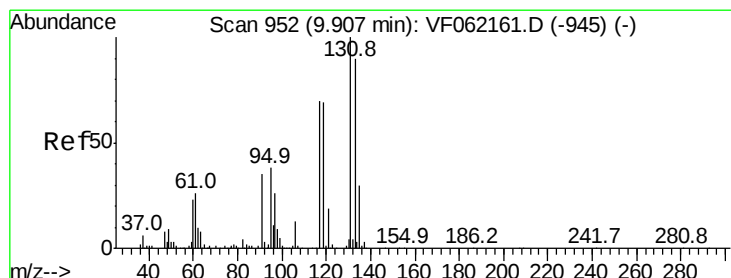
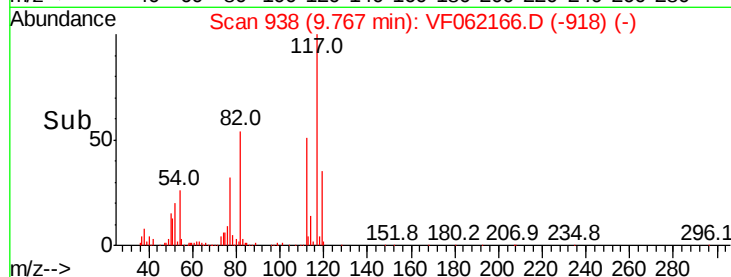
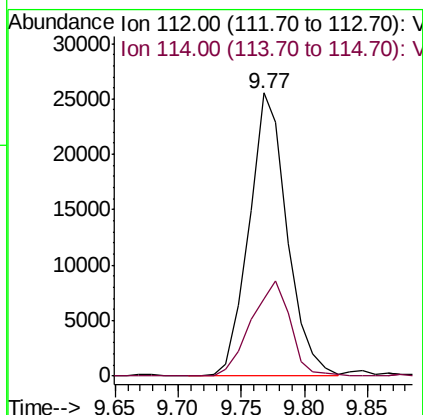
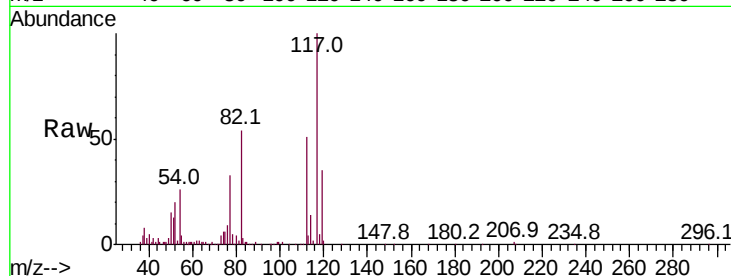




#65
Chlorobenzene
Concen: 9.914 ug/l
RT: 9.77 min Scan# 938
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

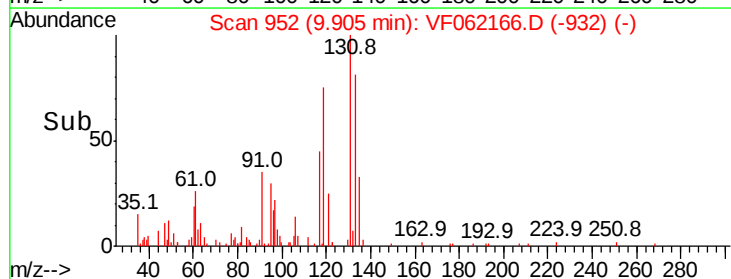
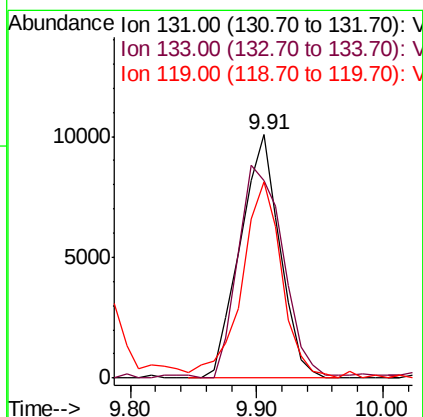
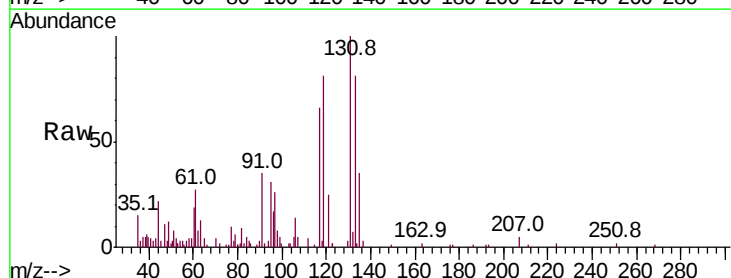
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

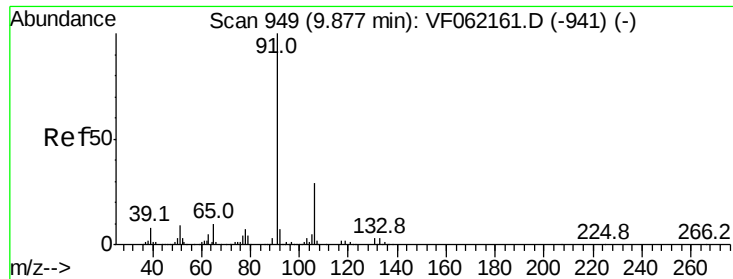
Tot Ion:112 Resp: 53529
Ion Ratio Lower Upper
112 100
114 27.3 28.6 43.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 9.929 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion:131 Resp: 21879
Ion Ratio Lower Upper
131 100
133 81.4 45.1 135.3
119 80.8 34.9 104.7





#67

Ethyl Benzene

Concen: 10.987 ug/l

RT: 9.88 min Scan# 949

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

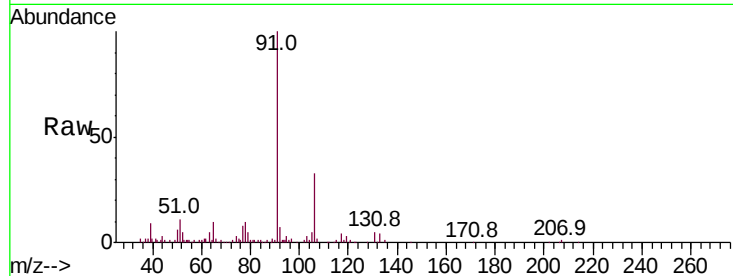
VSTDIC010

Tot Ion: 91 Resp: 105536

Ion Ratio Lower Upper

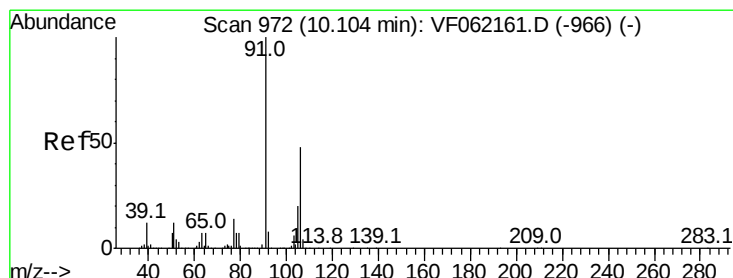
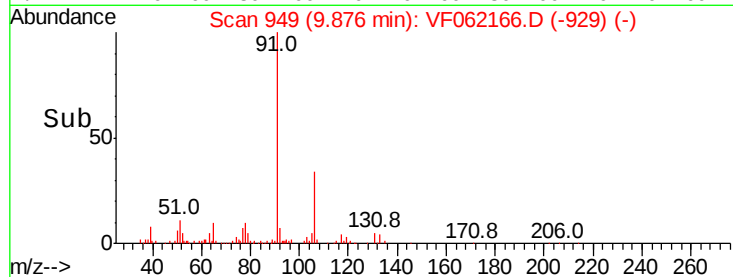
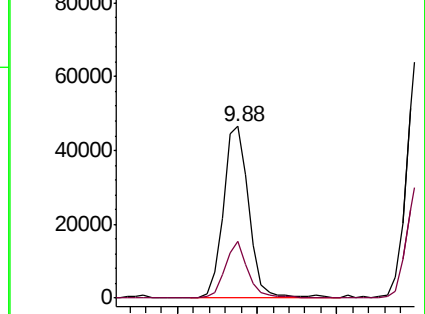
91 100

106 33.4 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 21.198 ug/l

RT: 10.10 min Scan# 972

Delta R.T. -0.00 min

Lab File: VF062166.D

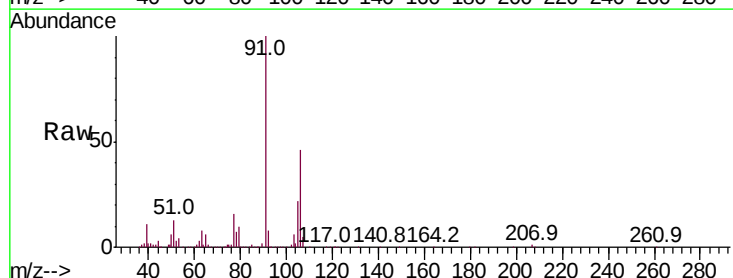
Acq: 4 Apr 2019 19:59

Tgt Ion:106 Resp: 75765

Ion Ratio Lower Upper

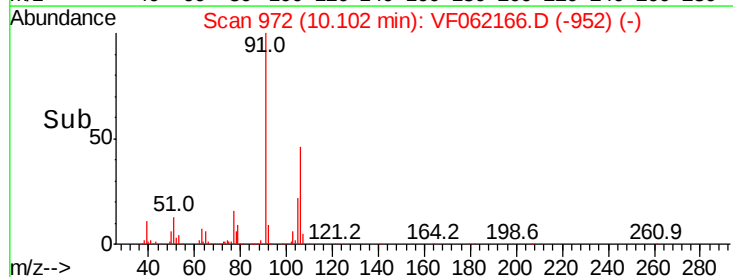
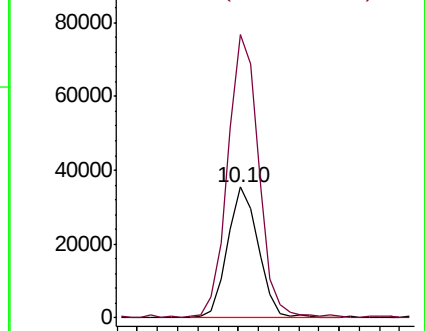
106 100

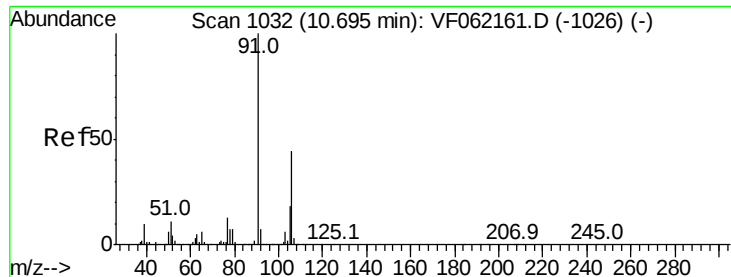
91 216.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#69

o-Xylene

Concen: 10.360 ug/l

RT: 10.68 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

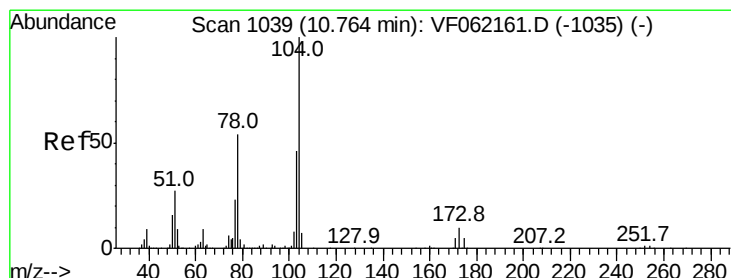
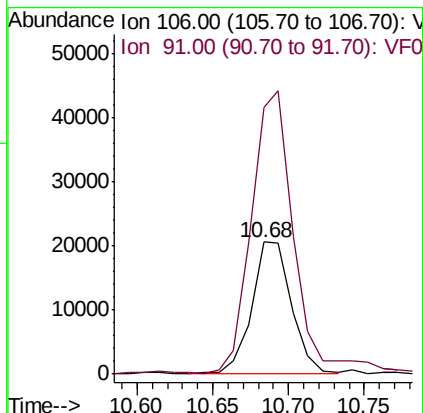
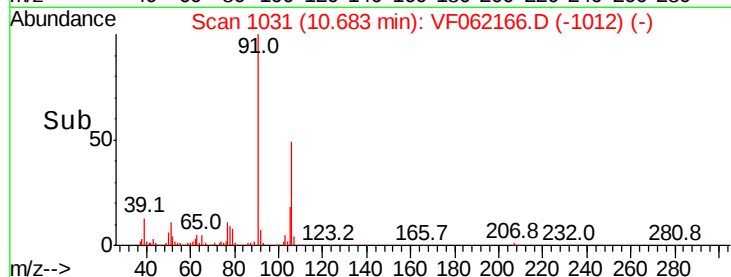
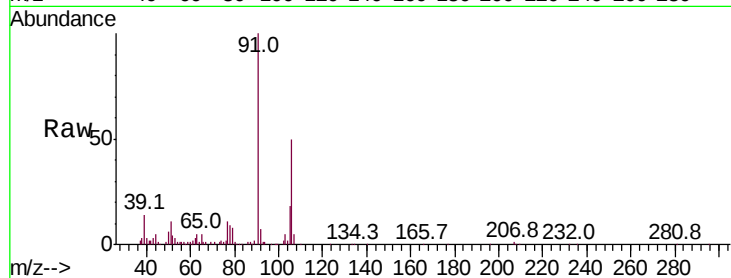
VSTDIC010

Tot Ion:106 Resp: 37927

Ion Ratio Lower Upper

106 100

91 201.7 113.3 340.1



#70

Styrene

Concen: 10.691 ug/l

RT: 10.76 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

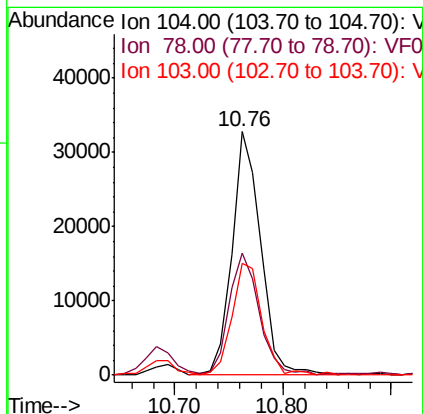
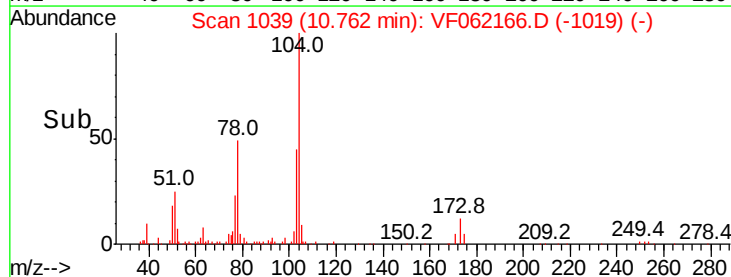
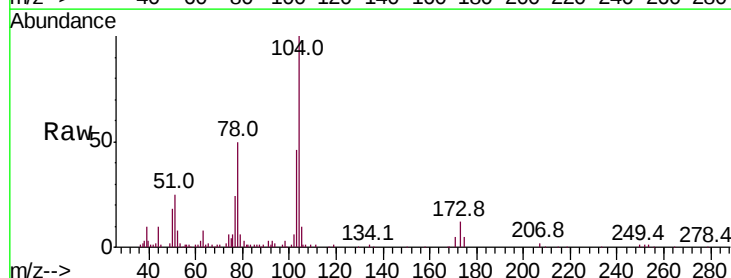
Tgt Ion:104 Resp: 60423

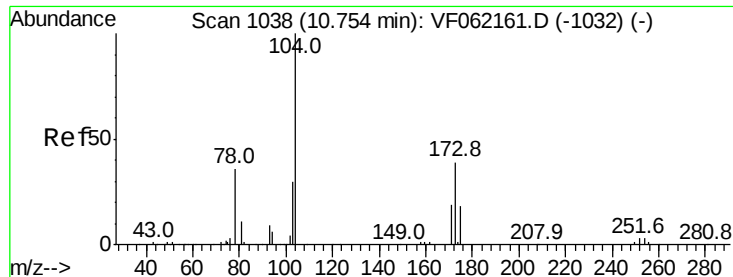
Ion Ratio Lower Upper

104 100

78 50.0 43.1 64.7

103 45.7 37.0 55.6





#71

Bromoform

Concen: 11.337 ug/l

RT: 10.75 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

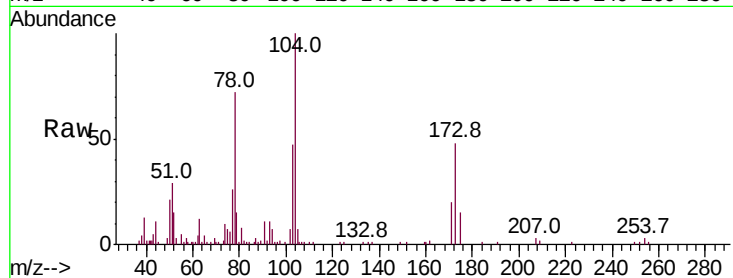
Tot Ion:173 Resp: 12827

Ion Ratio Lower Upper

173 100

175 32.3 22.9 68.7

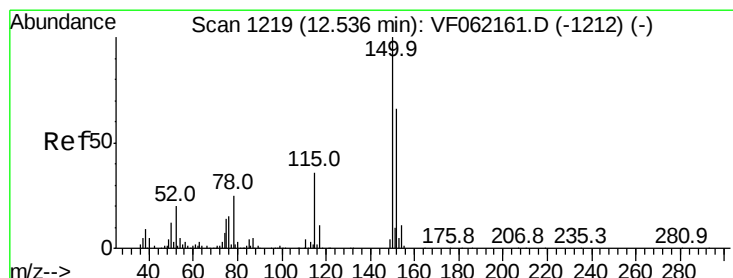
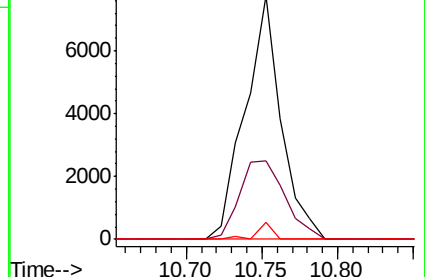
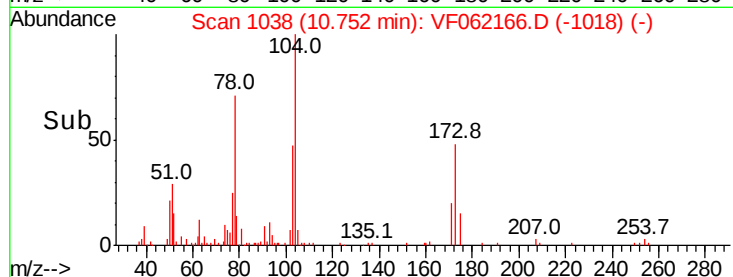
254 7.1 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

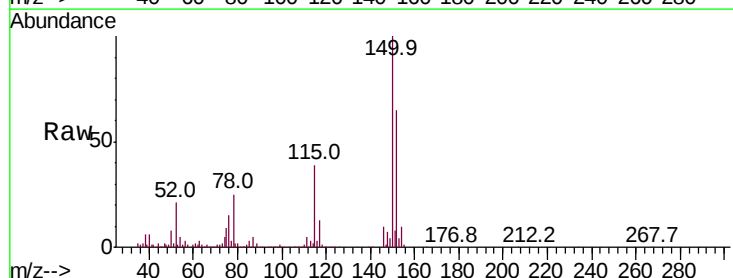
Tgt Ion:152 Resp: 147681

Ion Ratio Lower Upper

152 100

115 59.8 28.3 84.9

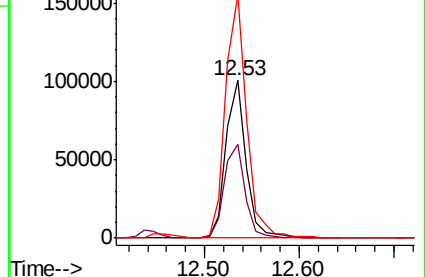
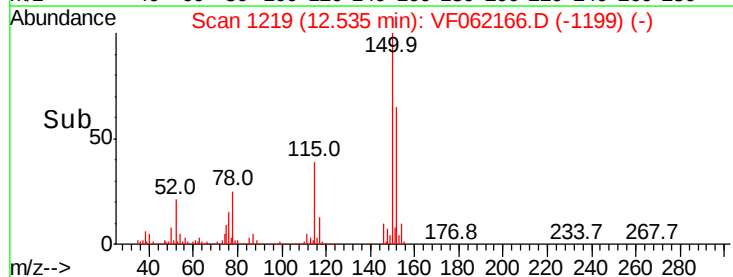
150 154.8 0.0 322.6

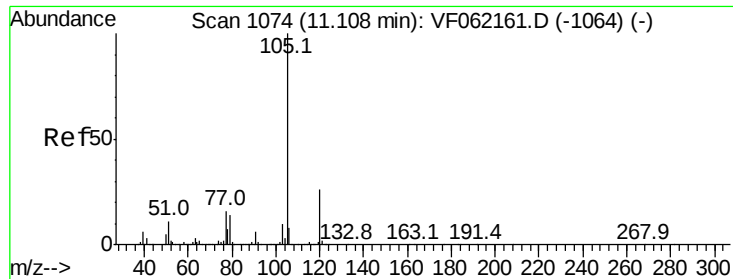


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.509 ug/l

RT: 11.11 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

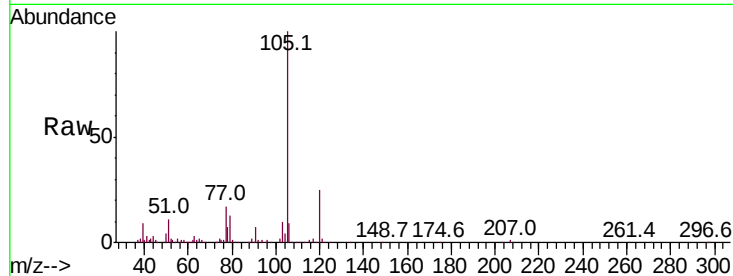
VSTDIC010

Tot Ion:105 Resp: 110956

Ion Ratio Lower Upper

105 100

120 25.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

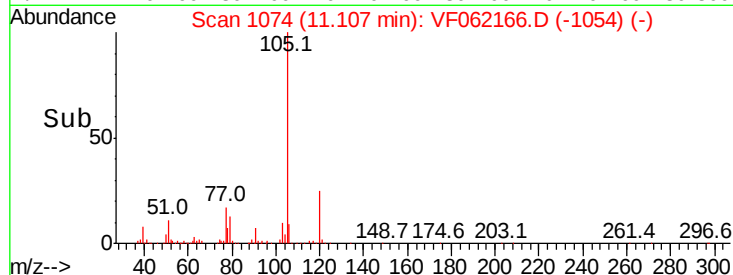
60000

40000

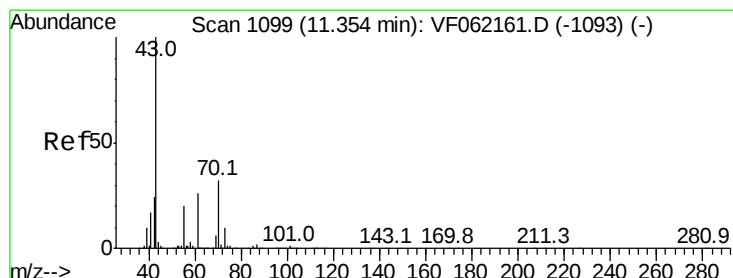
20000

0

11.00 11.10 11.20



Time-->



#74

N-ethyl acetate

Concen: 13.380 ug/l

RT: 11.35 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Tgt Ion: 43 Resp: 34274

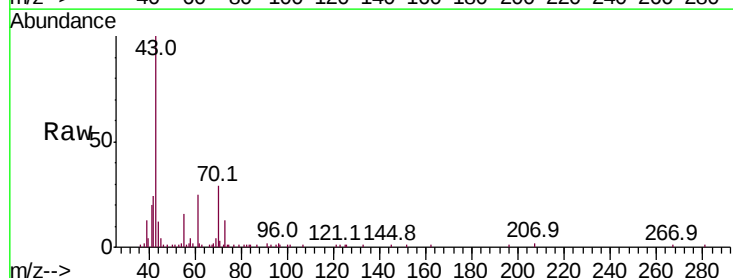
Ion Ratio Lower Upper

43 100

70 28.6 25.9 38.9

55 16.2 16.3 24.5

61 25.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

30000

25000

20000

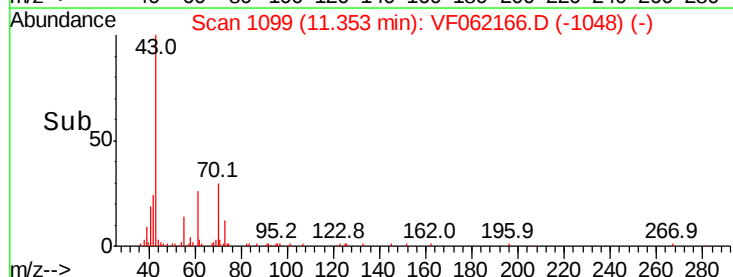
15000

10000

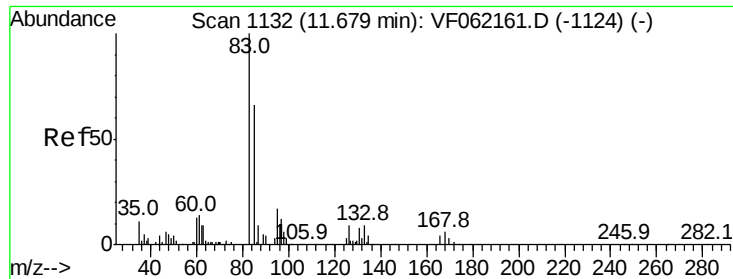
5000

0

11.30 11.40



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 10.974 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

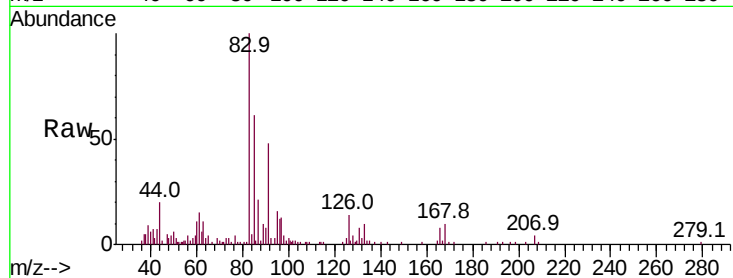
Tot Ion: 83 Resp: 19473

Ion Ratio Lower Upper

83 100

131 8.3 4.3 12.8

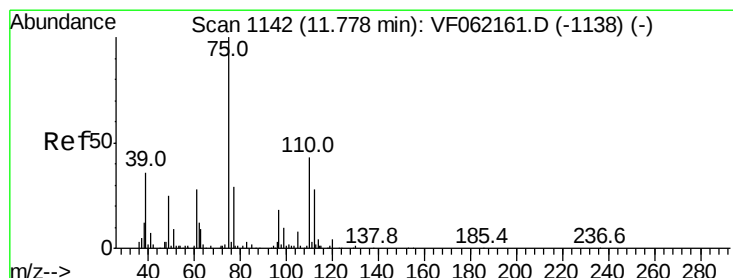
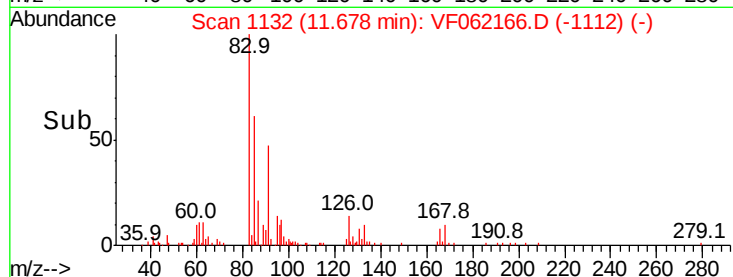
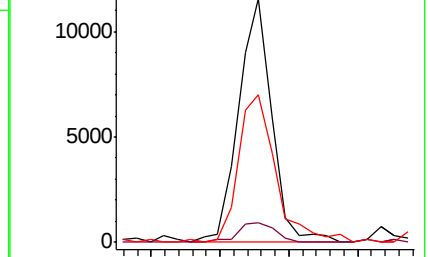
85 60.6 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 11.755 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062166.D

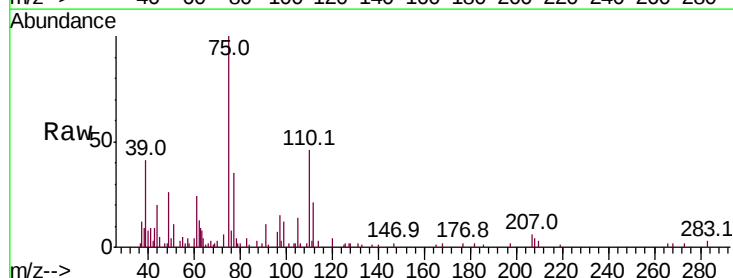
Acq: 4 Apr 2019 19:59

Tgt Ion: 75 Resp: 15182

Ion Ratio Lower Upper

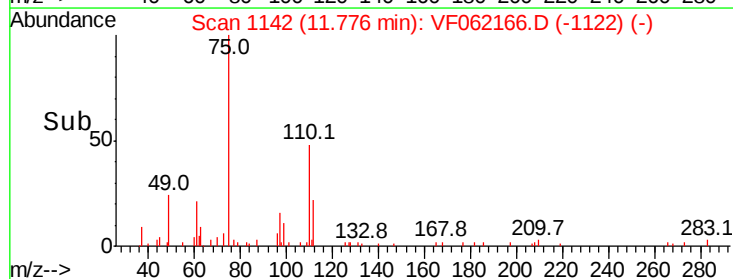
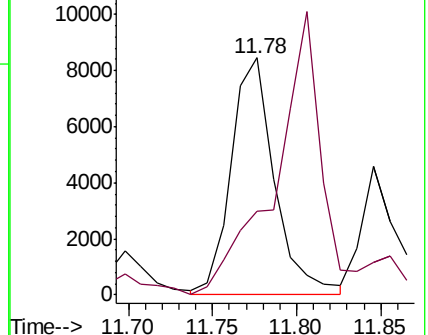
75 100

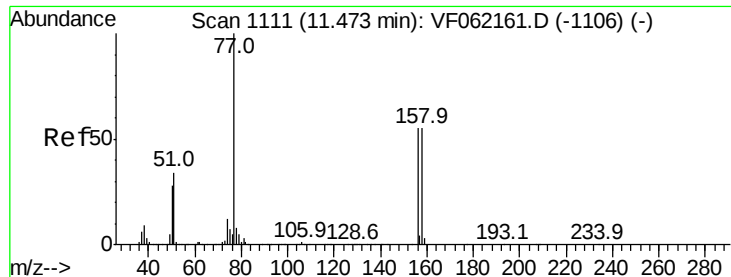
77 35.2 15.0 45.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 8.828 ug/l

RT: 11.48 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

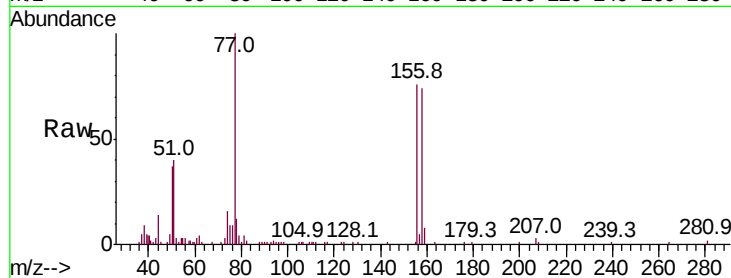
Tot Ion:156 Resp: 22459

Ion Ratio Lower Upper

156 100

77 131.0 91.0 272.8

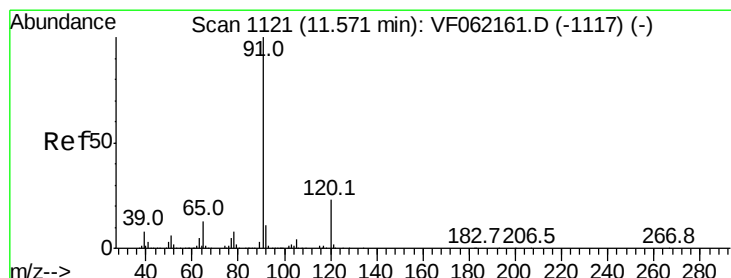
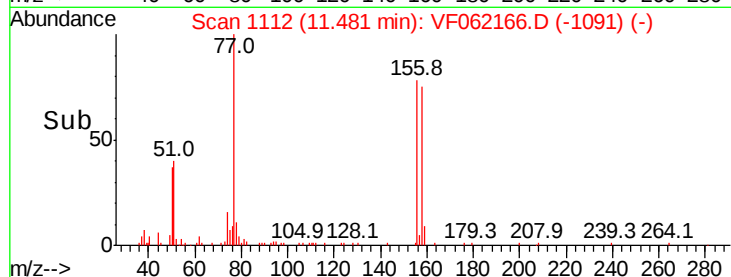
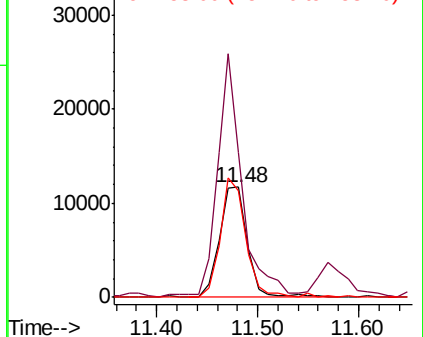
158 96.9 49.7 149.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 10.355 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062166.D

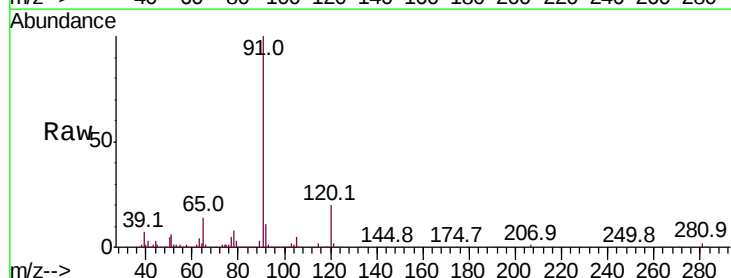
Acq: 4 Apr 2019 19:59

Tgt Ion: 91 Resp: 128520

Ion Ratio Lower Upper

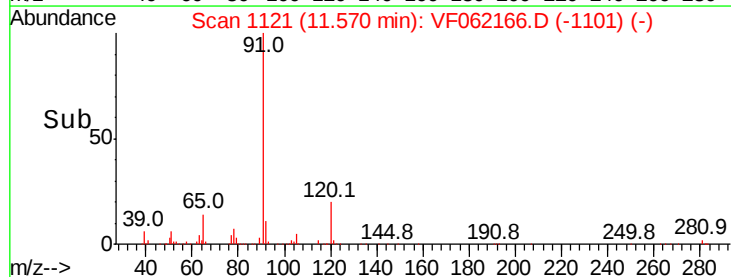
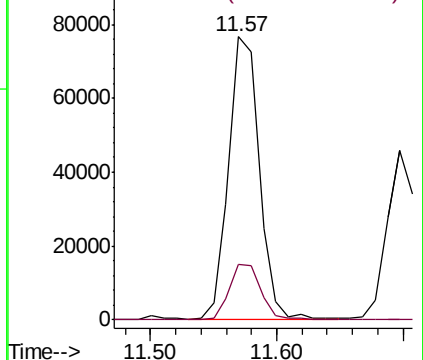
91 100

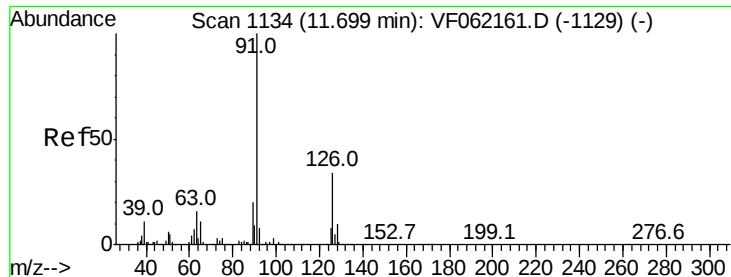
120 19.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.733 ug/l

RT: 11.70 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

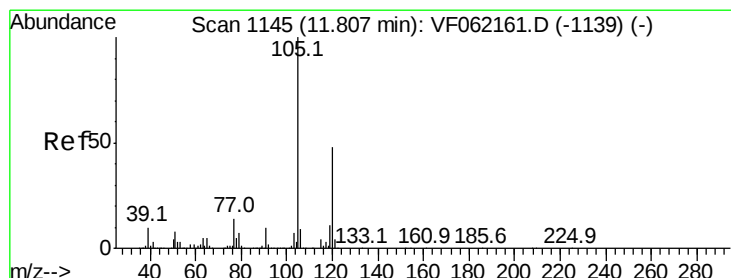
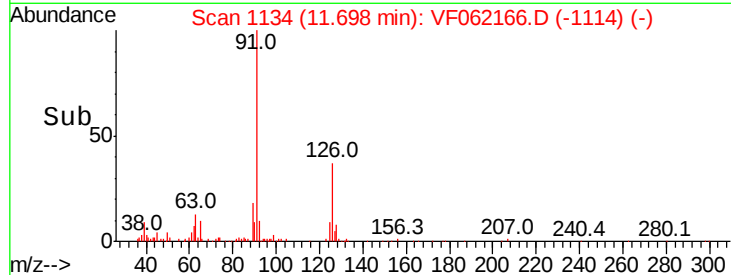
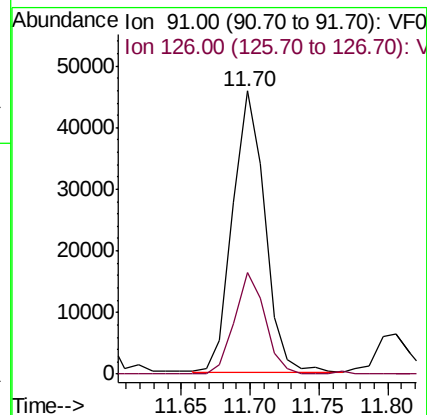
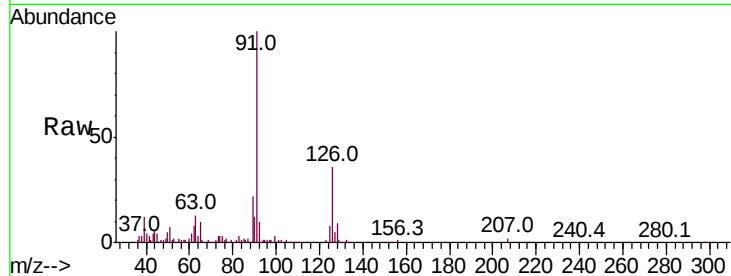
VSTDIC010

Tot Ion: 91 Resp: 73832

Ion Ratio Lower Upper

91 100

126 36.0 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 10.862 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF062166.D

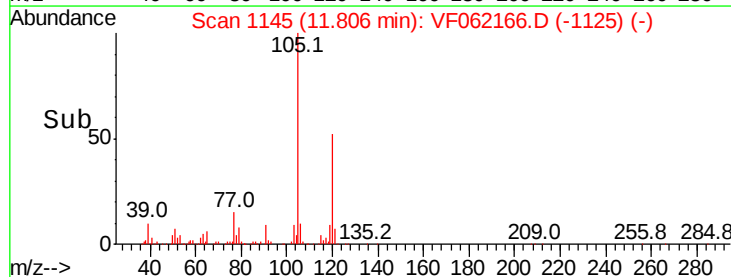
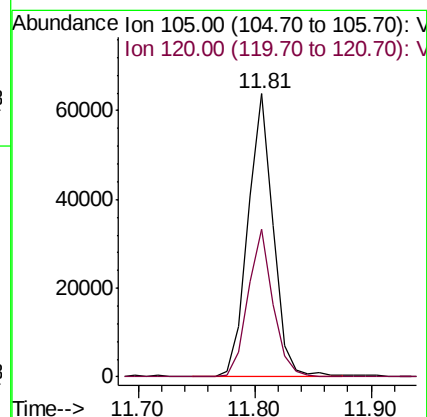
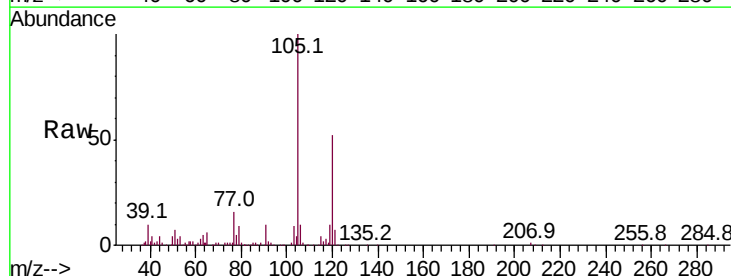
Acq: 4 Apr 2019 19:59

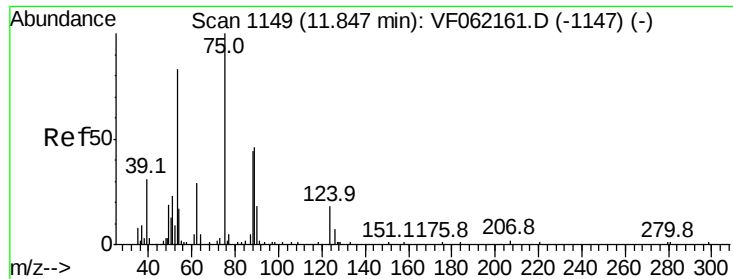
Tgt Ion:105 Resp: 95883

Ion Ratio Lower Upper

105 100

120 52.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 11.543 ug/l m

RT: 11.85 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

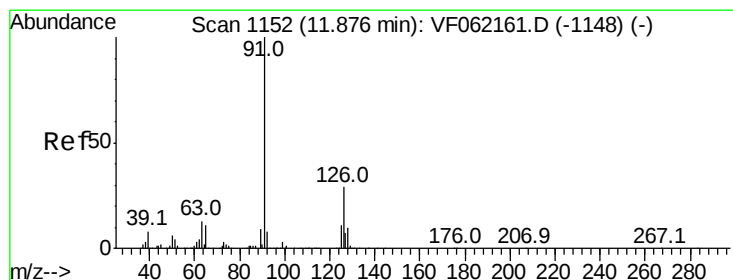
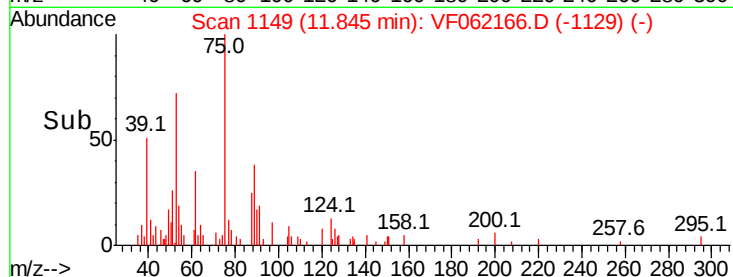
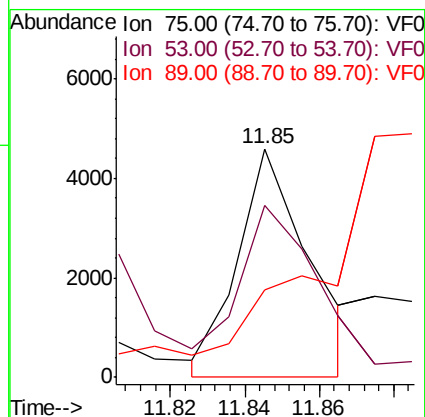
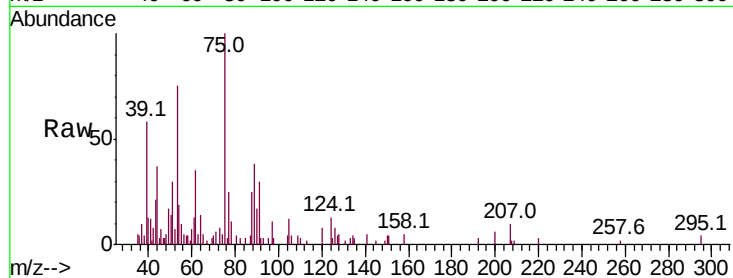
Tot Ion: 75 Resp: 6116

Ion	Ratio	Lower	Upper
75	100		
53	75.5	71.4	107.0
89	38.1	37.9	56.9

75 100

53 75.5 71.4 107.0

89 38.1 37.9 56.9



#82

4-Chlorotoluene

Concen: 10.815 ug/l

RT: 11.87 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062166.D

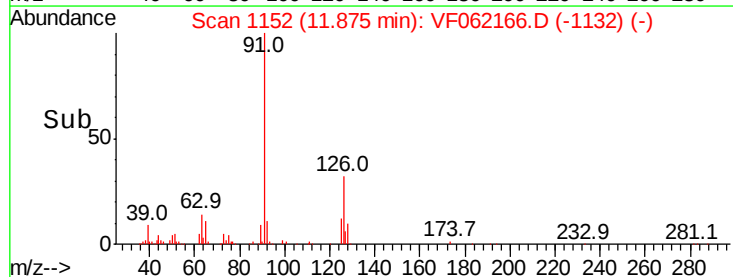
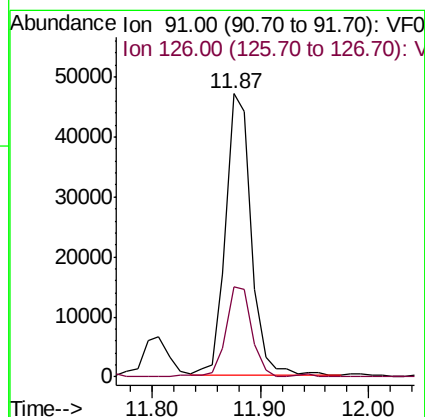
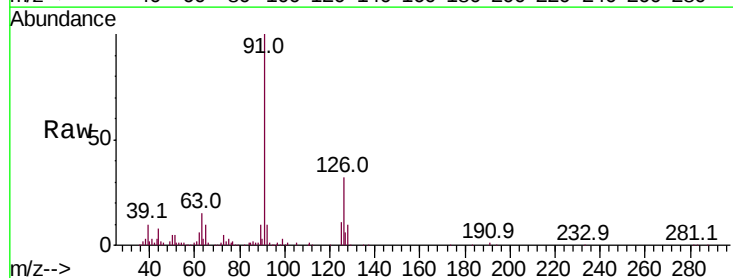
Acq: 4 Apr 2019 19:59

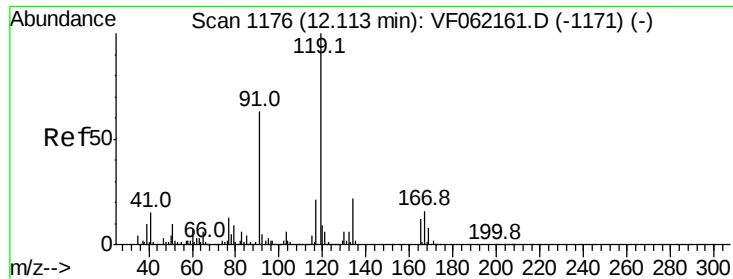
Tgt Ion: 91 Resp: 77231

Ion	Ratio	Lower	Upper
91	100		
126	31.7	14.2	42.8

91 100

126 31.7 14.2 42.8





#83

tert-Butylbenzene

Concen: 10.878 ug/l

RT: 12.11 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

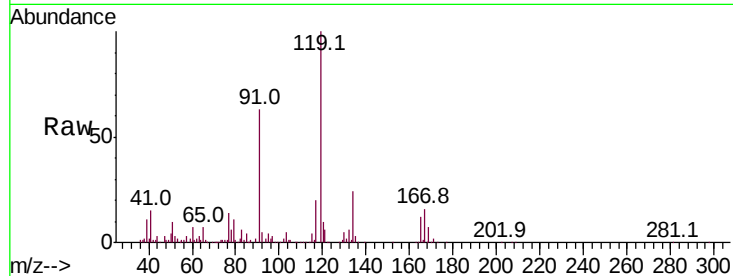
Tot Ion:119 Resp: 99589

Ion Ratio Lower Upper

119 100

91 63.0 31.6 94.7

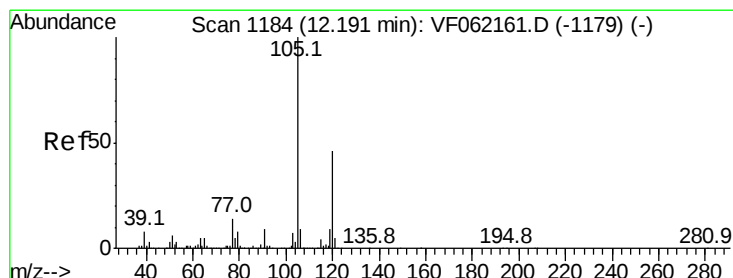
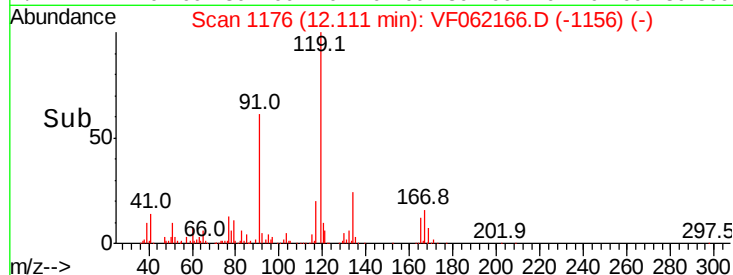
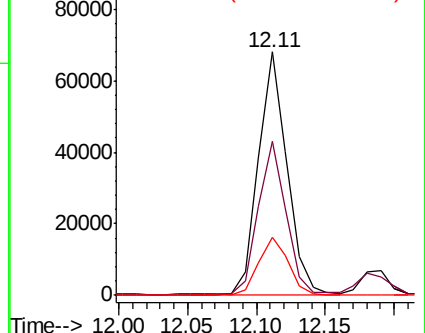
134 23.7 11.1 33.3



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: 11.143 ug/l

RT: 12.18 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062166.D

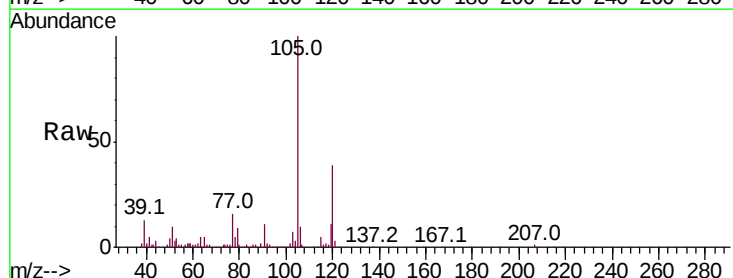
Acq: 4 Apr 2019 19:59

Tgt Ion:105 Resp: 96201

Ion Ratio Lower Upper

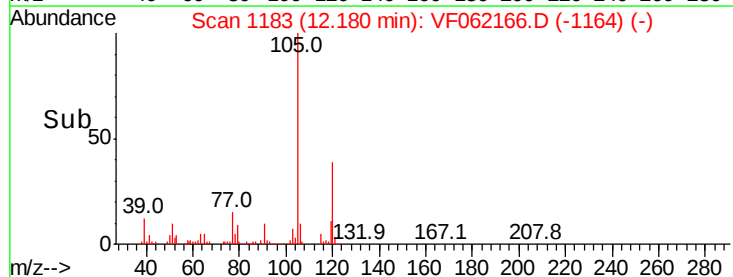
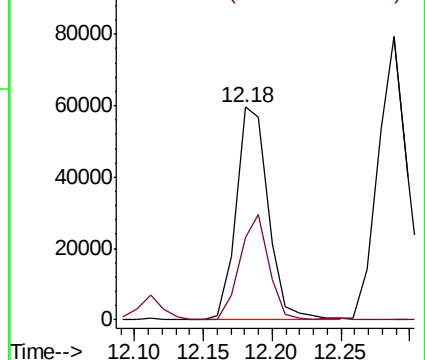
105 100

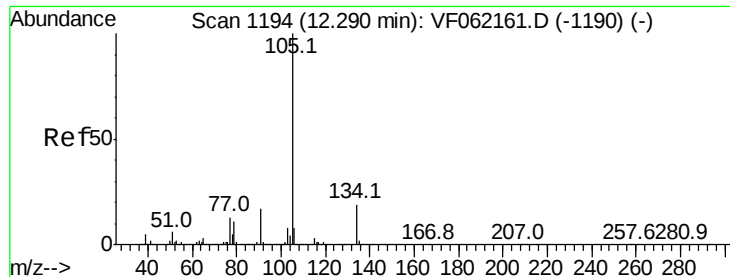
120 39.1 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.915 ug/l

RT: 12.29 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

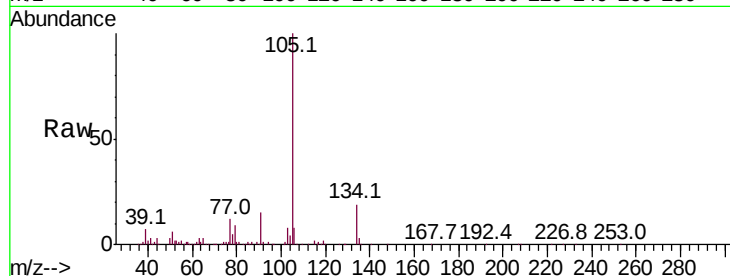
VSTDIC010

Tot Ion:105 Resp: 116936

Ion Ratio Lower Upper

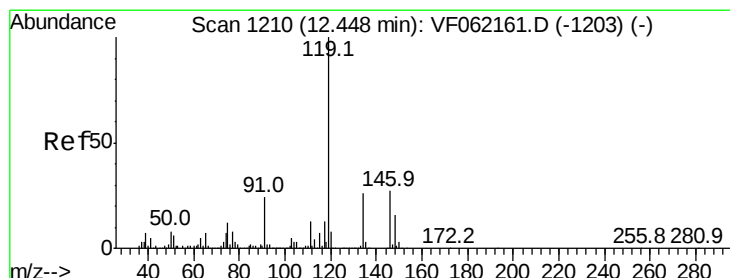
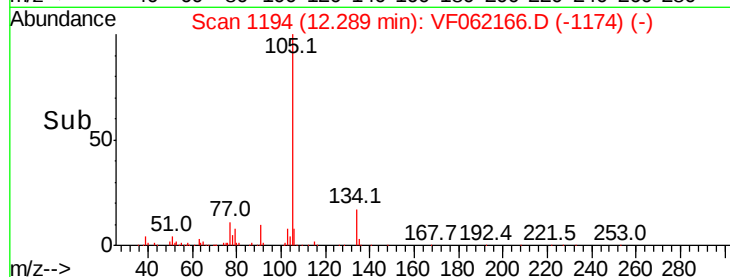
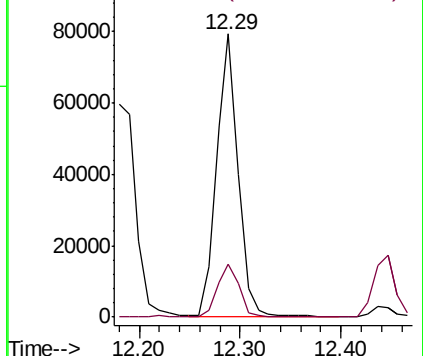
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.147 ug/l

RT: 12.45 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

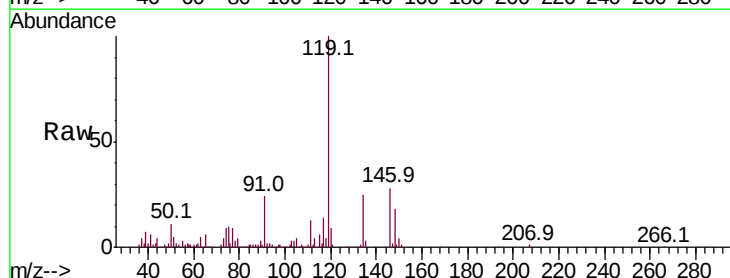
Tgt Ion:119 Resp: 105477

Ion Ratio Lower Upper

119 100

134 25.2 13.2 39.5

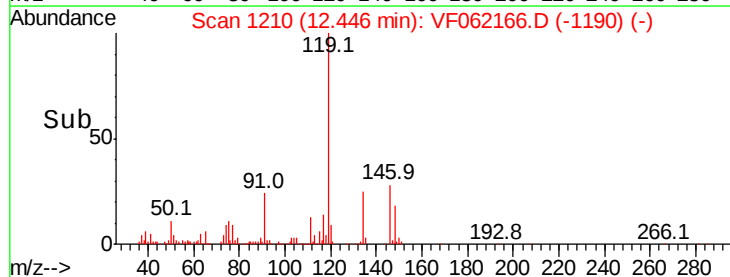
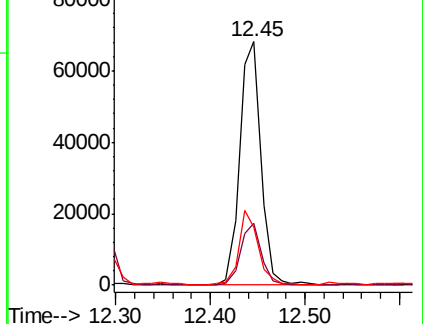
91 23.9 12.0 36.0

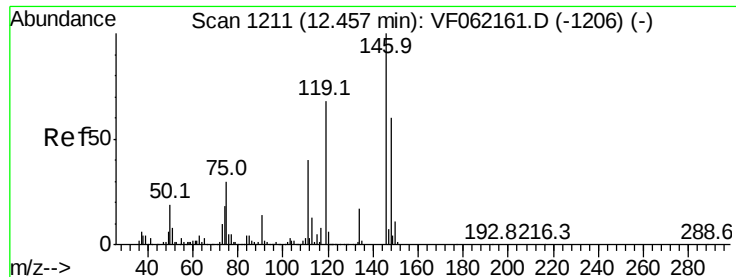


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 9.667 ug/l

RT: 12.46 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

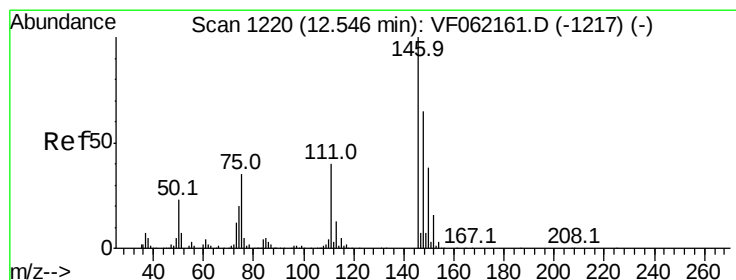
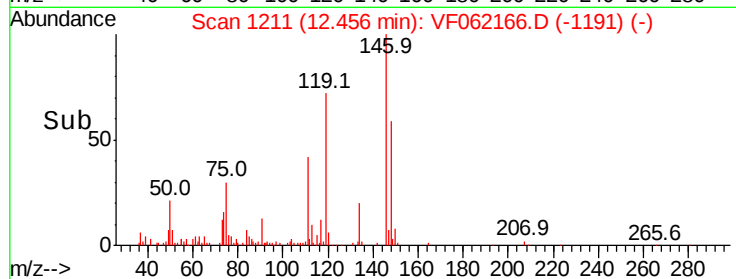
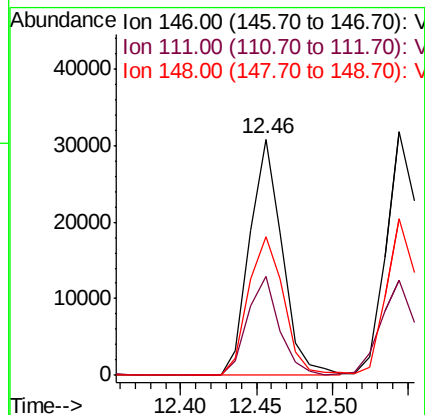
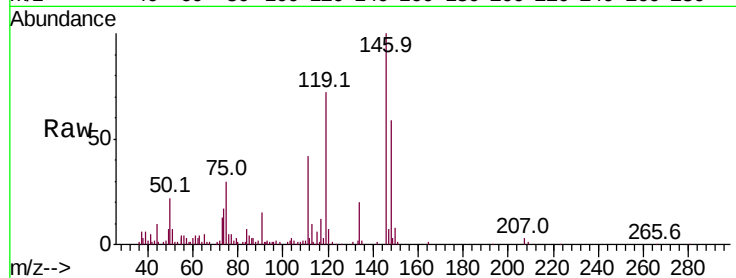
Tot Ion:146 Resp: 46410

Ion Ratio Lower Upper

146 100

111 41.9 19.9 59.6

148 58.8 30.0 90.0



#88

1,4-Dichlorobenzene

Concen: 10.549 ug/l

RT: 12.54 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

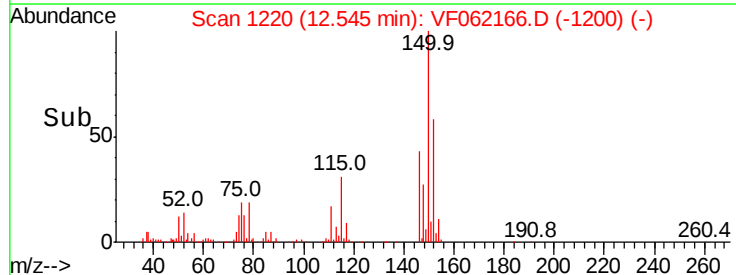
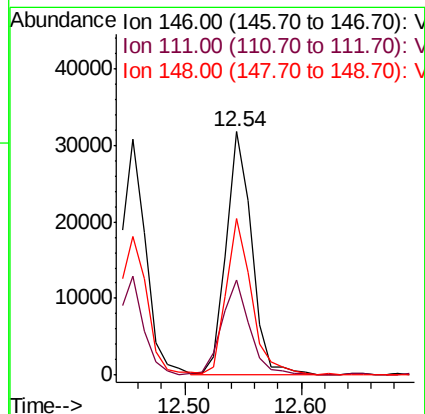
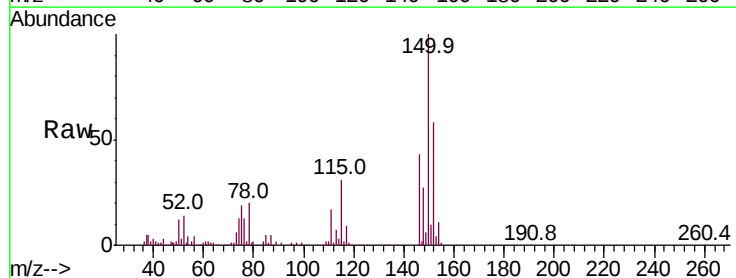
Tgt Ion:146 Resp: 48800

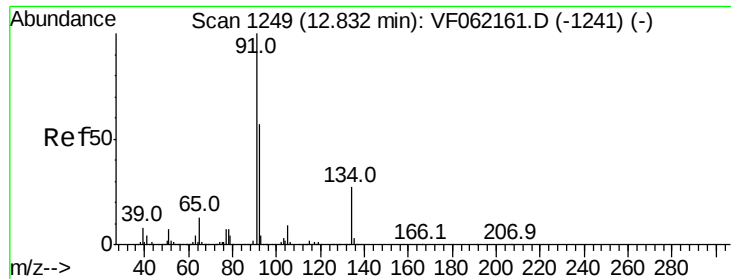
Ion Ratio Lower Upper

146 100

111 39.2 20.1 60.2

148 64.2 32.5 97.4

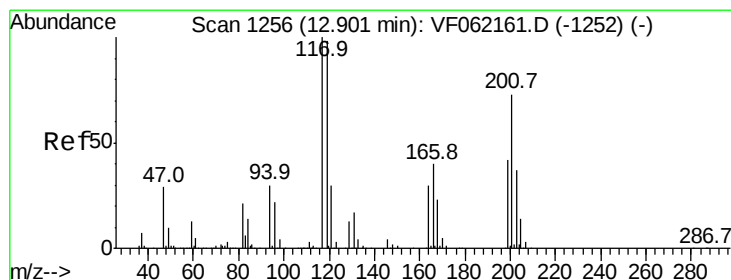
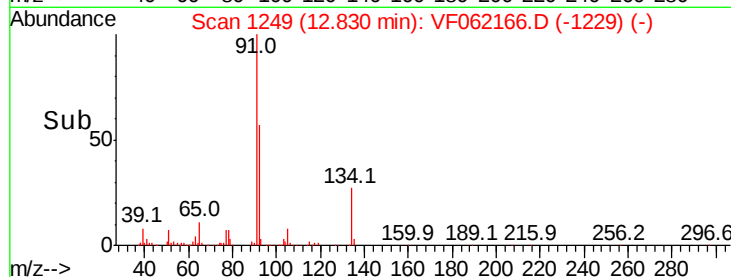
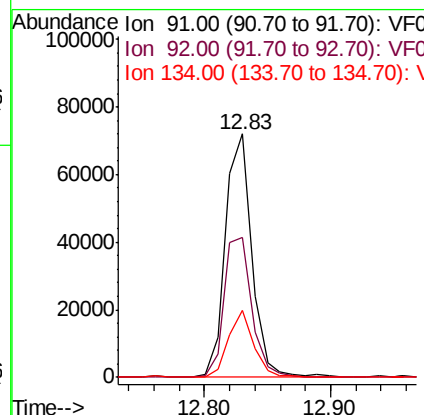
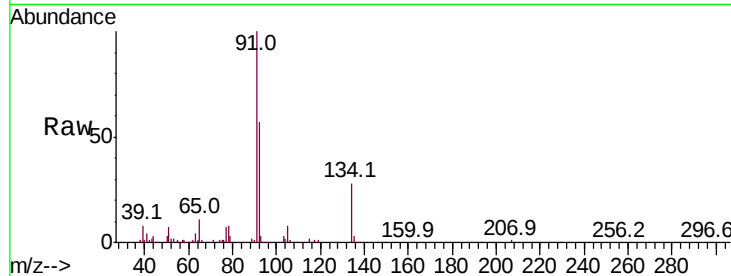




#89
n-Butylbenzene
Concen: 10.523 ug/l
RT: 12.83 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

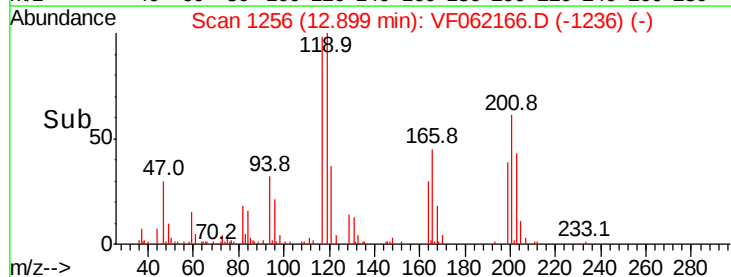
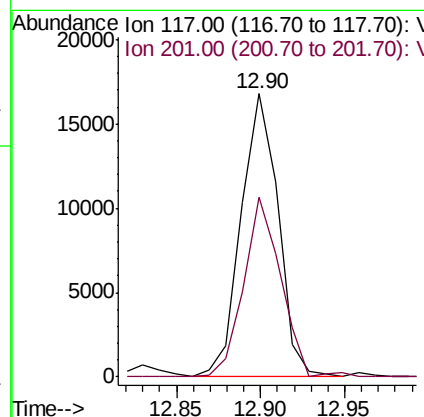
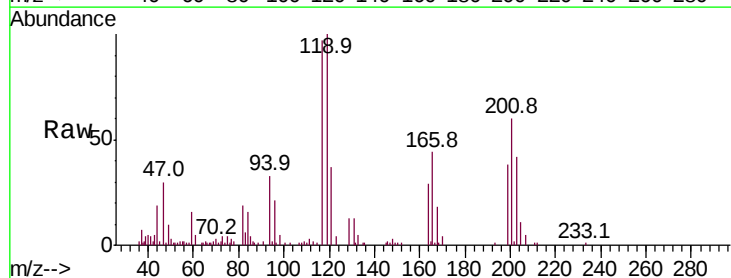
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

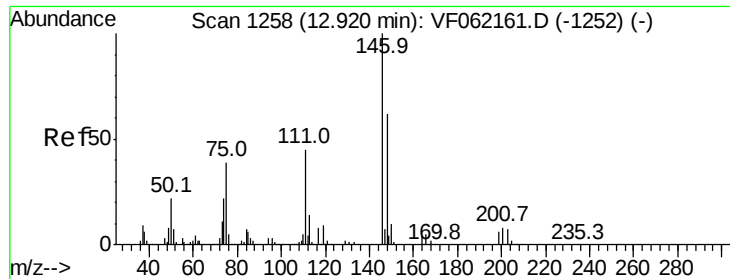
Tot Ion: 91 Resp: 103756
Ion Ratio Lower Upper
91 100
92 57.3 28.3 85.0
134 27.6 13.6 40.8



#90
Hexachloroethane
Concen: 10.563 ug/l
RT: 12.90 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF062166.D
Acq: 4 Apr 2019 19:59

Tgt Ion: 117 Resp: 25633
Ion Ratio Lower Upper
117 100
201 63.4 36.8 110.4

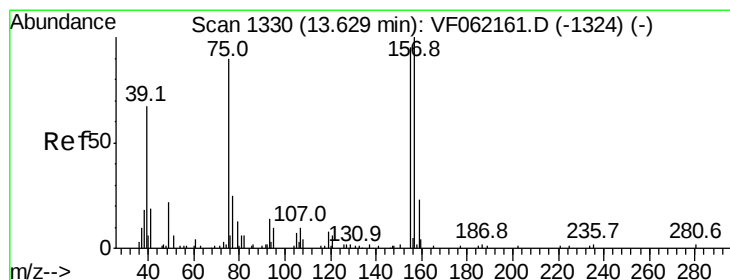
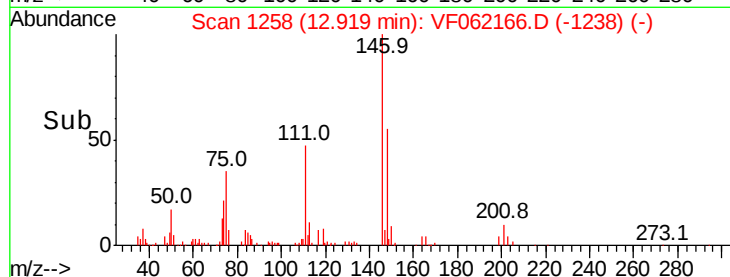
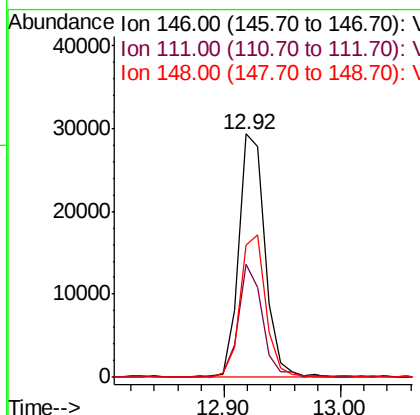
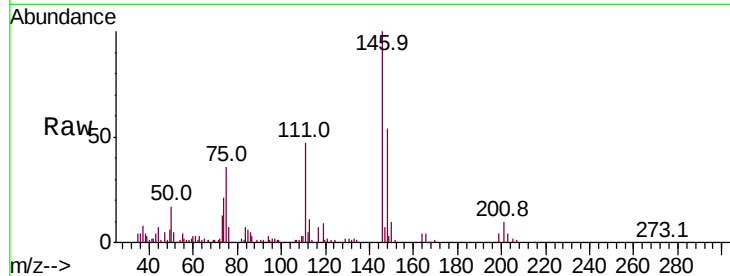




#91
 1,2-Dichlorobenzene
 Concen: 10.295 ug/l
 RT: 12.92 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

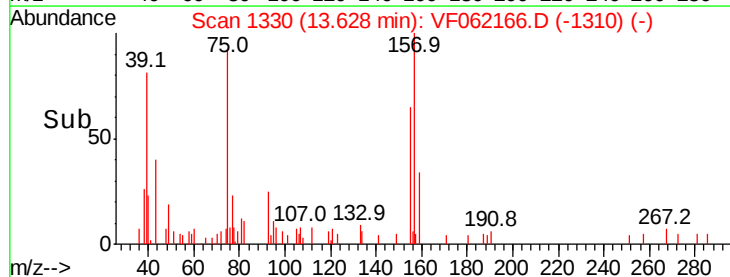
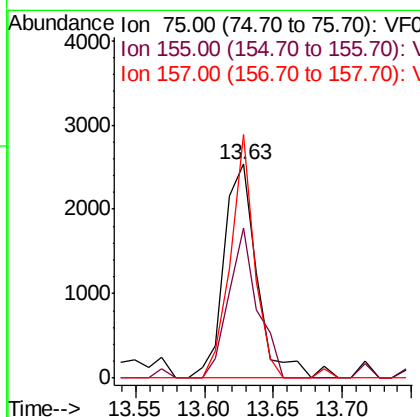
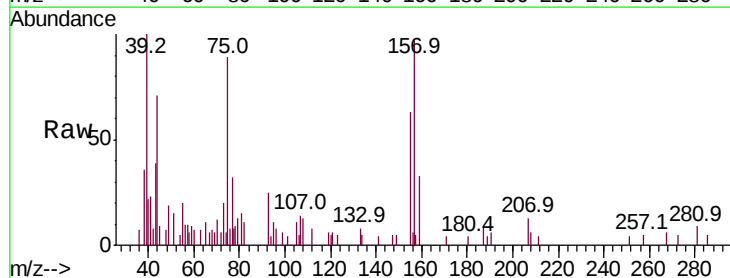
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

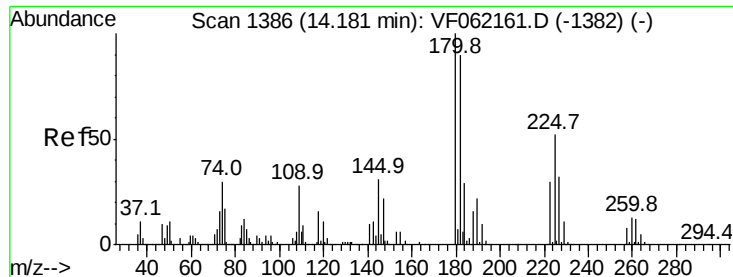
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.4	67.0
148	54.2	30.9	92.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.059 ug/l
 RT: 13.63 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VF062166.D
 Acq: 4 Apr 2019 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	52.8	158.3
157	114.0	55.7	167.1





#93

1,2,4-Trichlorobenzene

Concen: 10.059 ug/l

RT: 14.18 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

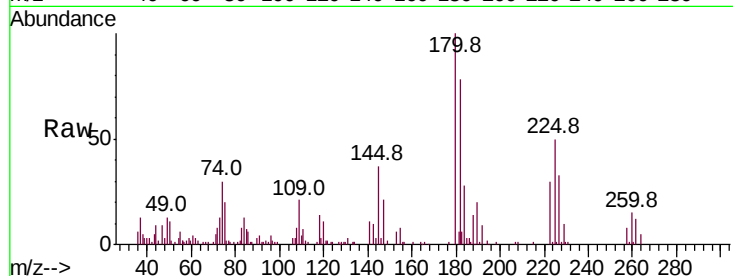
Tot Ion:180 Resp: 31512

Ion Ratio Lower Upper

180 100

182 77.6 45.1 135.2

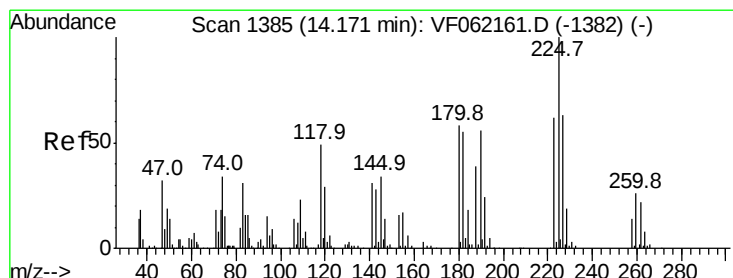
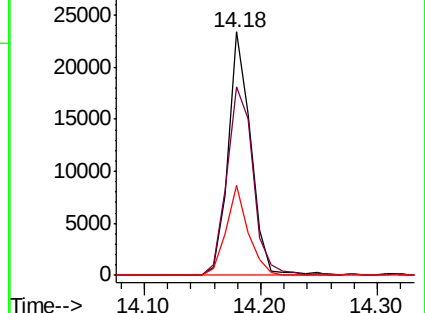
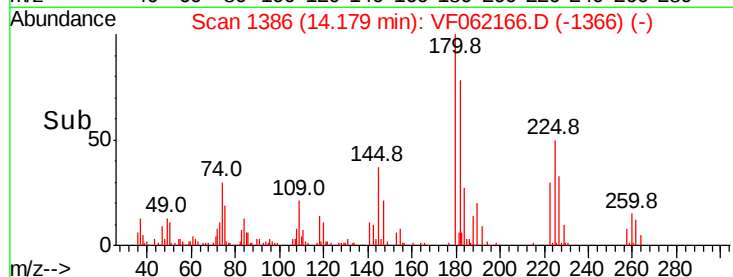
145 37.1 15.4 46.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 9.473 ug/l

RT: 14.17 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

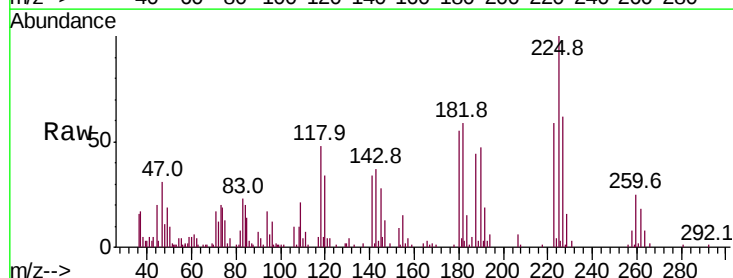
Tgt Ion:225 Resp: 19603

Ion Ratio Lower Upper

225 100

223 62.4 31.0 93.0

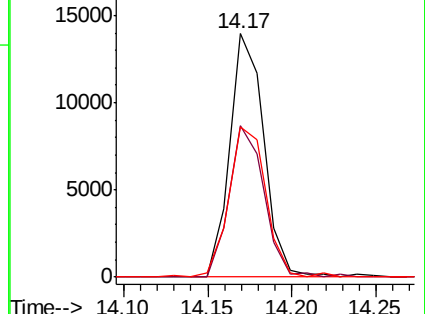
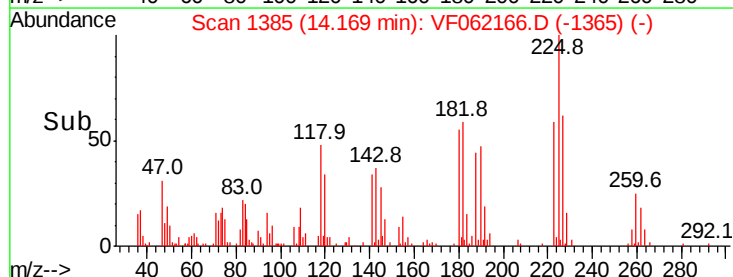
227 61.8 32.8 98.3

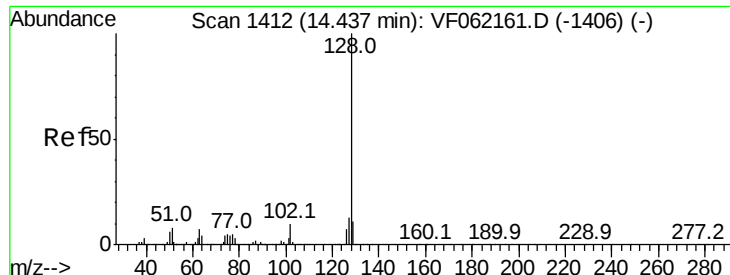


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 9.397 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

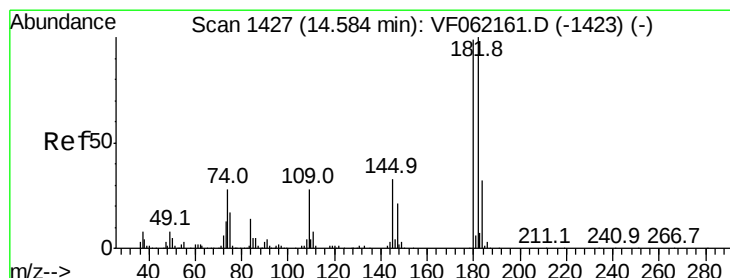
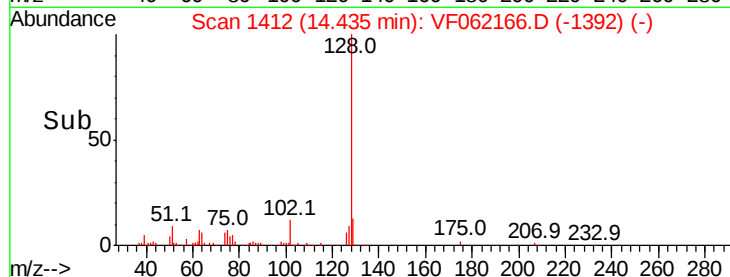
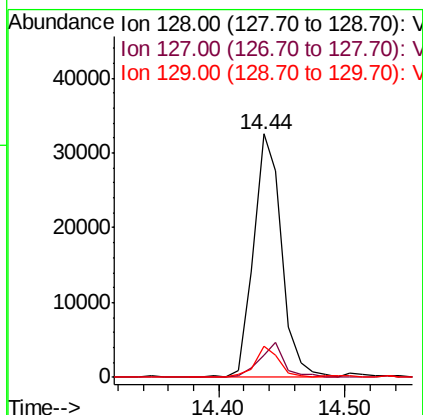
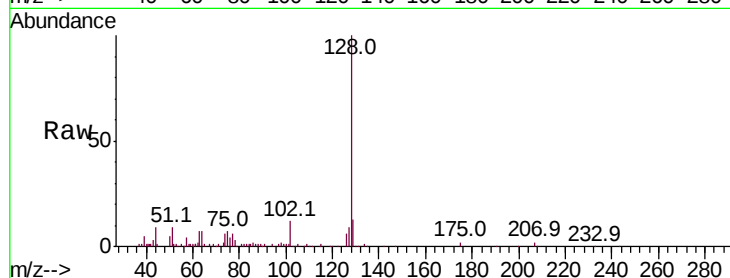
Tot Ion:128 Resp: 50363

Ion Ratio Lower Upper

128 100

127 9.3 10.2 15.2#

129 12.9 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 9.449 ug/l

RT: 14.58 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VF062166.D

Acq: 4 Apr 2019 19:59

Tgt Ion:180 Resp: 27142

Ion Ratio Lower Upper

180 100

182 99.2 50.4 151.2

145 32.5 16.7 50.1

