

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061405.D
 Acq On : 15 Jan 2019 14:30
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Jan 16 03:19:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	163375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	275380	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	269961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	152440	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	20136	10.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.20%	
35) Dibromofluoromethane	4.10	113	23408	10.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.04%	
50) Toluene-d8	7.54	98	59793	9.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.88%	
62) 4-Bromofluorobenzene	11.40	95	30806	10.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	35782	11.051	ug/l	91
3) Chloromethane	1.08	50	27731	11.298	ug/l	94
4) Vinyl Chloride	1.12	62	24386	11.279	ug/l	97
5) Bromomethane	1.29	94	17529	11.841	ug/l	96
6) Chloroethane	1.37	64	11788	12.069	ug/l	94
7) Trichlorofluoromethane	1.47	101	49810	11.571	ug/l	87
8) Diethyl Ether	1.63	74	5831	10.803	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	22838	11.354	ug/l	98
10) Methyl Iodide	1.84	142	36551	11.728	ug/l	100
11) Tert butyl alcohol	2.55	59	4338	50.047	ug/l #	80
12) 1,1-Dichloroethene	1.75	96	17184	11.500	ug/l	87
13) Acrolein	1.99	56	4238	52.564	ug/l	84
14) Allyl chloride	2.09	41	30430	11.321	ug/l	94
15) Acrylonitrile	2.93	53	11506	50.923	ug/l	92
16) Acetone	2.23	43	22314	51.853	ug/l	95
17) Carbon Disulfide	1.76	76	55630	11.935	ug/l	95
18) Methyl Acetate	2.35	43	9417	9.275	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	38269	11.491	ug/l	96
20) Methylene Chloride	2.18	84	17995	10.632	ug/l	87
21) trans-1,2-Dichloroethene	2.31	96	18656	11.238	ug/l	99
22) Diisopropyl ether	2.79	45	54939	10.509	ug/l	91
23) Vinyl Acetate	3.17	43	77223	38.825	ug/l	99
24) 1,1-Dichloroethane	2.87	63	36753	11.040	ug/l	96
25) 2-Butanone	4.32	43	29787	43.458	ug/l	97
26) 2,2-Dichloropropane	3.59	77	25367	11.828	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	26512	11.055	ug/l	87
28) Bromochloromethane	3.70	49	17335	11.186	ug/l #	67
29) Tetrahydrofuran	4.07	42	14961	49.612	ug/l	98
30) Chloroform	3.85	83	46422	10.333	ug/l	93
31) Cyclohexane	3.70	56	38640	11.374	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	41933	12.274	ug/l	94
36) 1,1-Dichloropropene	4.28	75	34283	10.498	ug/l #	92
37) Ethyl Acetate	4.11	43	12733	9.603	ug/l	85
38) Carbon Tetrachloride	3.98	117	35223	9.956	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	41267	11.446	ug/l	98
40) Benzene	4.62	78	80369	10.852	ug/l	97
41) Methacrylonitrile	4.74	41	7705	11.032	ug/l #	86
42) 1,2-Dichloroethane	4.93	62	25080	9.771	ug/l	97
43) Isopropyl Acetate	6.95	43	14819	9.347	ug/l #	82
44) Trichloroethene	5.50	130	22978	10.100	ug/l	72
45) 1,2-Dichloropropane	6.23	63	19487	10.265	ug/l	99
46) Dibromomethane	6.07	93	12847	10.322	ug/l	90
47) Bromodichloromethane	6.38	83	29957	9.837	ug/l #	96
48) Methyl methacrylate	6.72	41	10835	10.123	ug/l	98
49) 1,4-Dioxane	6.69	88	1122	140.340	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	64152	51.666	ug/l	98
52) Toluene	7.61	92	51470	10.466	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	22678	9.231	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	28479	9.216	ug/l #	95
55) 1,1,2-Trichloroethane	8.48	97	12948	9.688	ug/l	95
56) Ethyl methacrylate	8.61	69	14968	9.772	ug/l	97
57) 1,3-Dichloropropane	8.85	76	22743	9.173	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.29	63	3404	32.851	ug/l #	84
59) 2-Hexanone	9.49	43	45174	52.268	ug/l	90
60) Dibromochloromethane	8.71	129	18152	9.556	ug/l	97
61) 1,2-Dibromoethane	8.97	107	15451	10.104	ug/l	94
64) Tetrachloroethene	8.15	164	19053	9.265	ug/l	91
65) Chlorobenzene	9.79	112	53828	9.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	21845	9.754	ug/l	98
67) Ethyl Benzene	9.89	91	105435	9.953	ug/l	97
68) m/p-Xylenes	10.12	106	77439	20.264	ug/l	96
69) o-Xylene	10.70	106	42288	10.360	ug/l	99
70) Styrene	10.78	104	59479	10.498	ug/l	97
71) Bromoform	10.76	173	9678	10.028	ug/l	85
73) Isopropylbenzene	11.11	105	130080	9.770	ug/l	99
74) N-amyl acetate	11.36	43	29960	9.798	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	22953	9.912	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	16151	9.704	ug/l	90
77) Bromobenzene	11.49	156	26614	9.793	ug/l	90
78) n-propylbenzene	11.59	91	165233	10.187	ug/l	97
79) 2-Chlorotoluene	11.72	91	92498	10.035	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	103627	9.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	8274	9.422	ug/l #	88
82) 4-Chlorotoluene	11.89	91	90388	9.900	ug/l	97
83) tert-Butylbenzene	12.12	119	105113	9.512	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	111327	10.126	ug/l	98
85) sec-Butylbenzene	12.30	105	145465	9.679	ug/l	93
86) p-Isopropyltoluene	12.46	119	127487	10.189	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	55865	10.000	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	50158	9.801	ug/l	94
89) n-Butylbenzene	12.84	91	129263	9.996	ug/l	96
90) Hexachloroethane	12.91	117	25560	9.254	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	51758	9.942	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	3903	9.944	ug/l	83

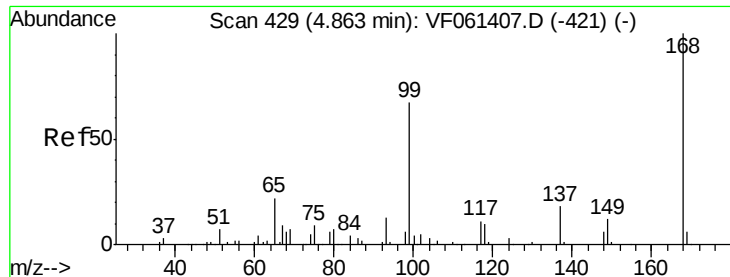
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	35116	9.665	ug/l	96
94) Hexachlorobutadiene	14.18	225	20948	9.522	ug/l	95
95) Naphthalene	14.45	128	60479	9.352	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	30775	9.430	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

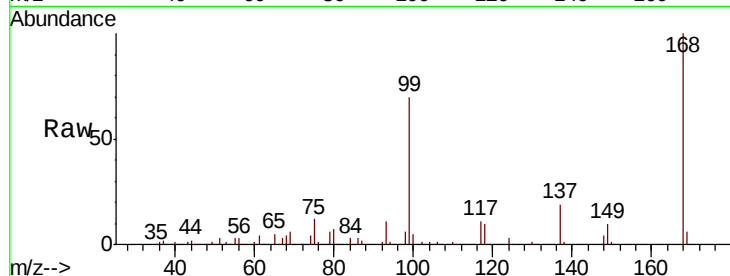
VSTDIC010

Tgt Ion:168 Resp: 163375

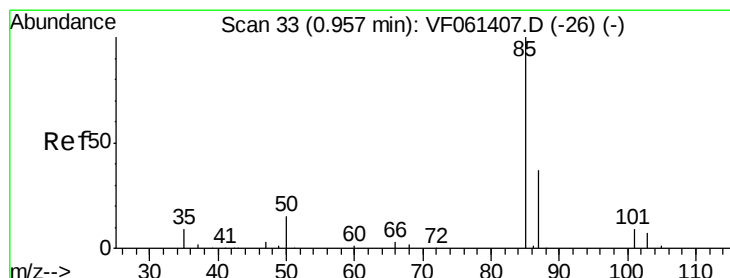
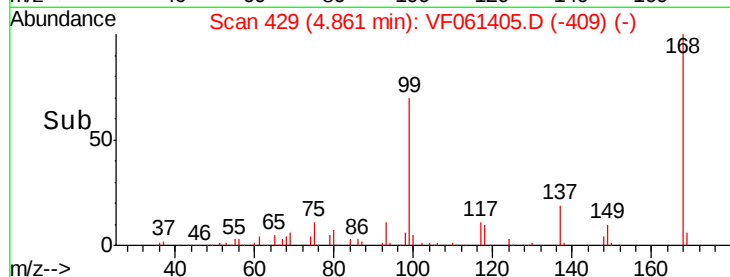
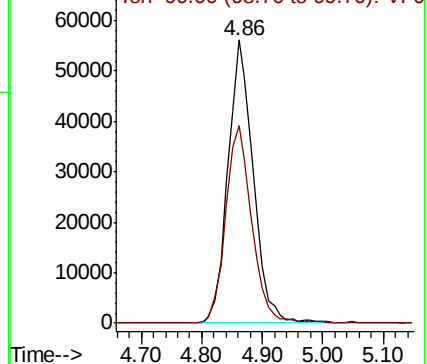
Ion Ratio Lower Upper

168 100

99 69.9 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 11.051 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061405.D

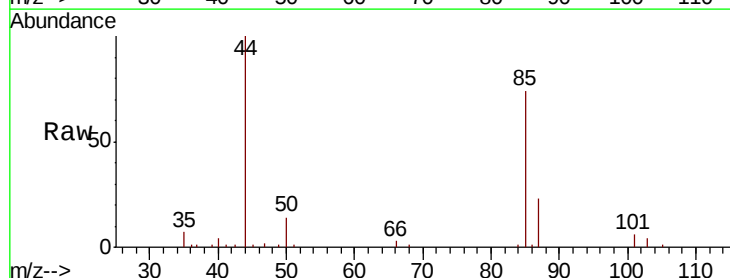
Acq: 15 Jan 2019 14:30

Tgt Ion: 85 Resp: 35782

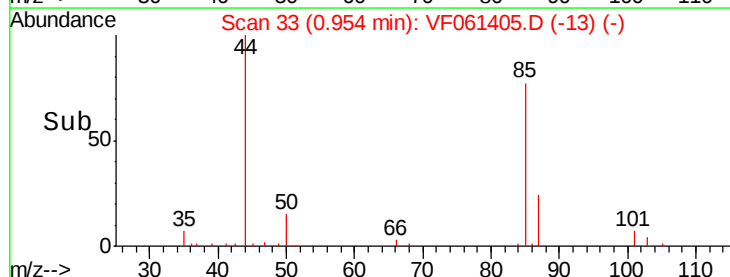
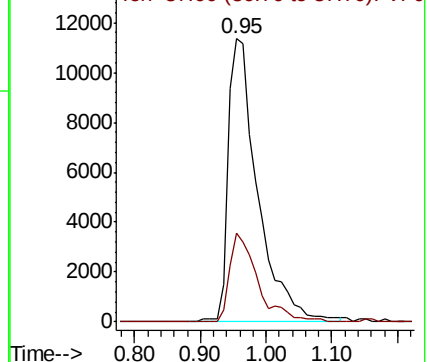
Ion Ratio Lower Upper

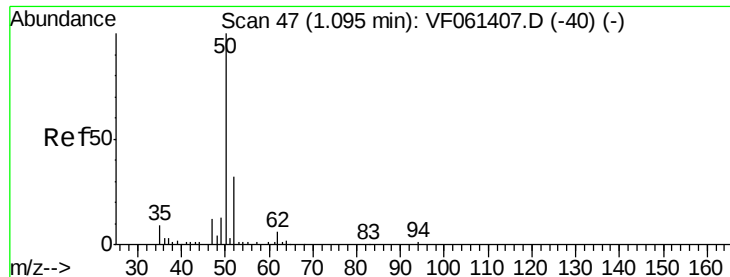
85 100

87 31.3 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 11.298 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

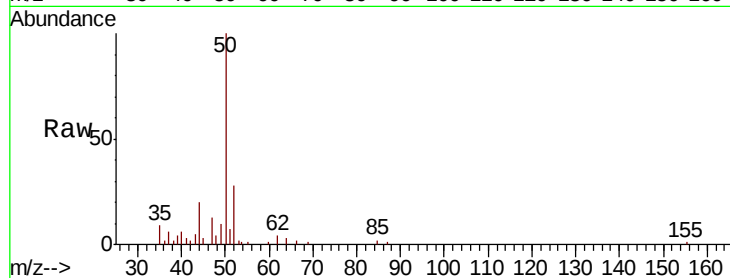
VSTDIC010

Tgt Ion: 50 Resp: 27731

Ion Ratio Lower Upper

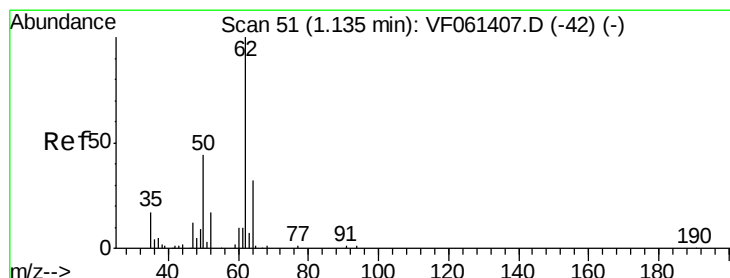
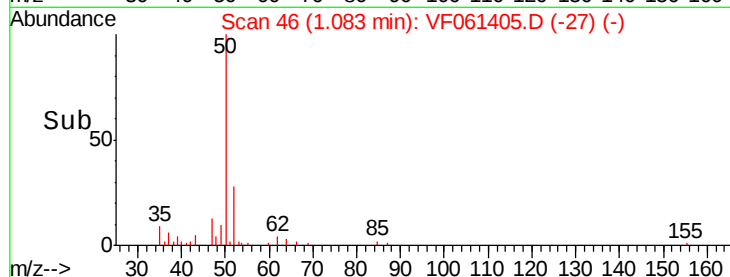
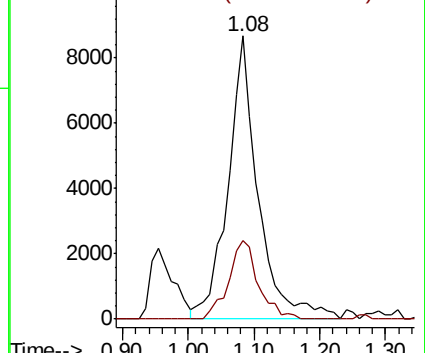
50 100

52 27.6 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 11.279 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF061405.D

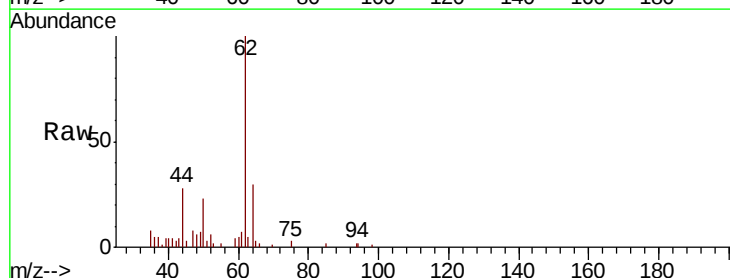
Acq: 15 Jan 2019 14:30

Tgt Ion: 62 Resp: 24386

Ion Ratio Lower Upper

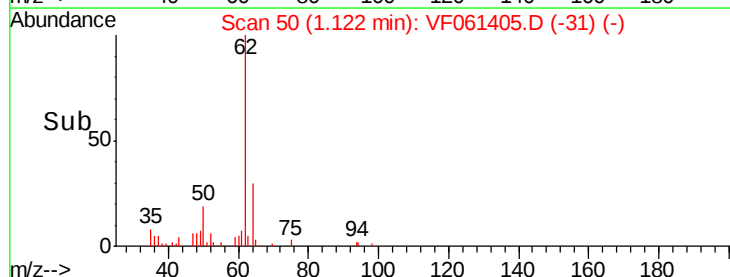
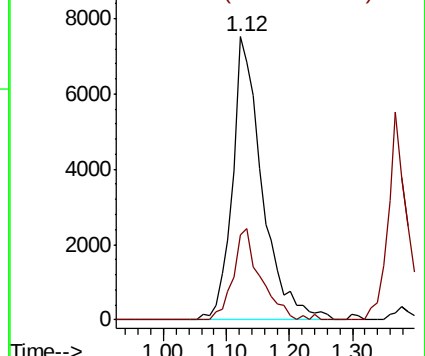
62 100

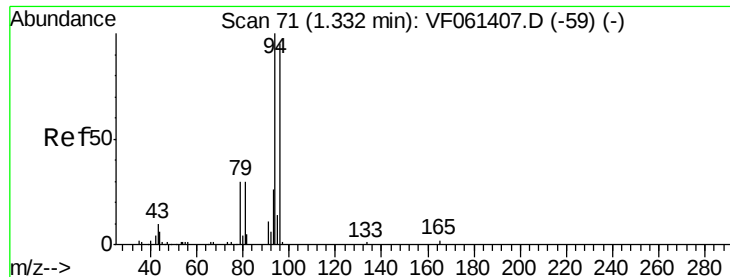
64 30.1 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 11.841 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.04 min

Lab File: VF061405.D

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ClientSampleId :

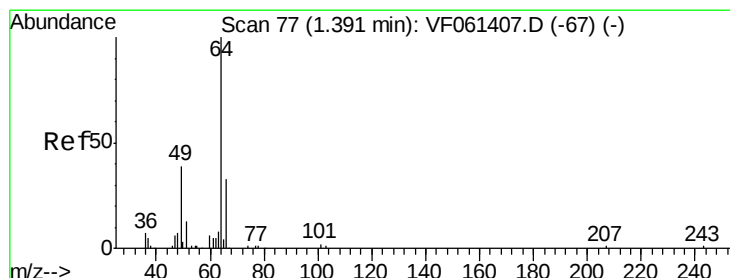
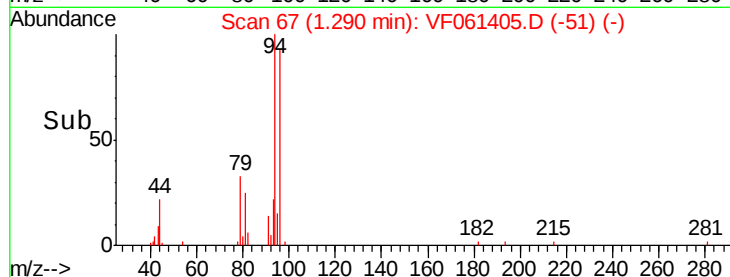
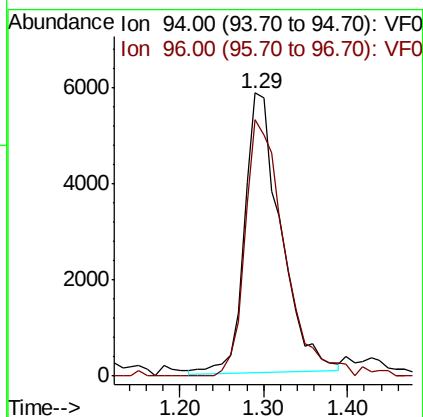
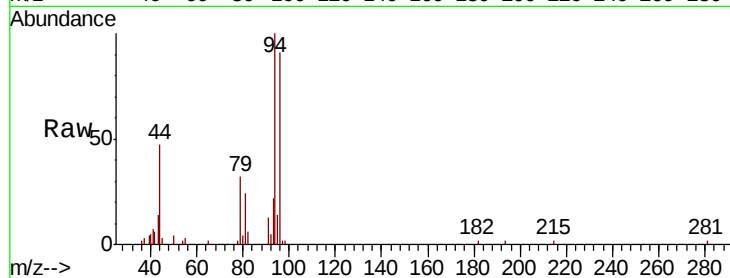
VSTDIC010

Tgt Ion: 94 Resp: 17529

Ion Ratio Lower Upper

94 100

96 90.7 76.0 114.0



#6

Chloroethane

Concen: 12.069 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061405.D

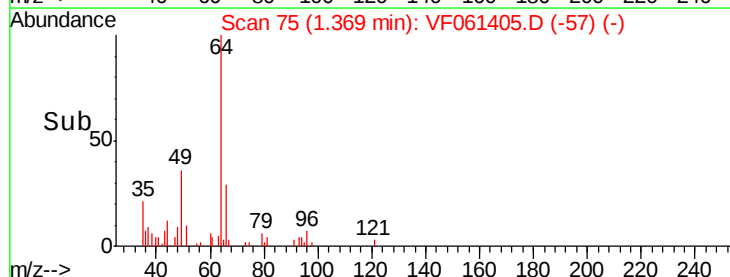
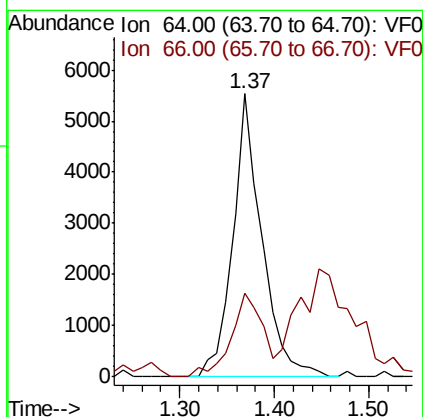
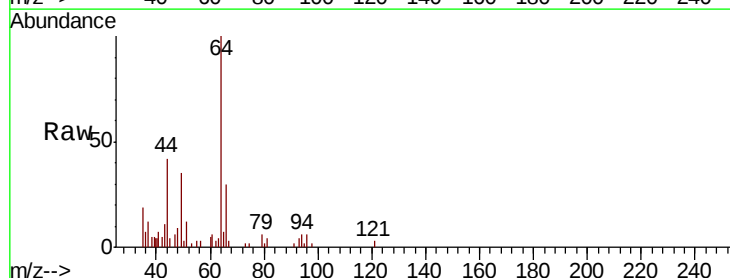
Acq: 15 Jan 2019 14:30

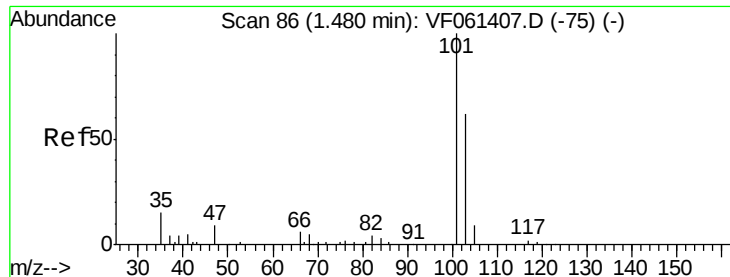
Tgt Ion: 64 Resp: 11788

Ion Ratio Lower Upper

64 100

66 29.8 26.6 40.0





#7

Trichlorofluoromethane

Concen: 11.571 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

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ClientSampleId :

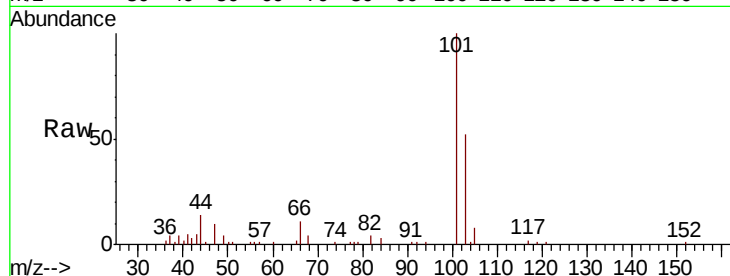
VSTDIC010

Tgt Ion:101 Resp: 49810

Ion Ratio Lower Upper

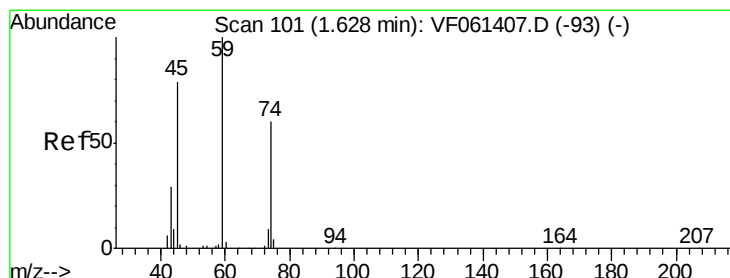
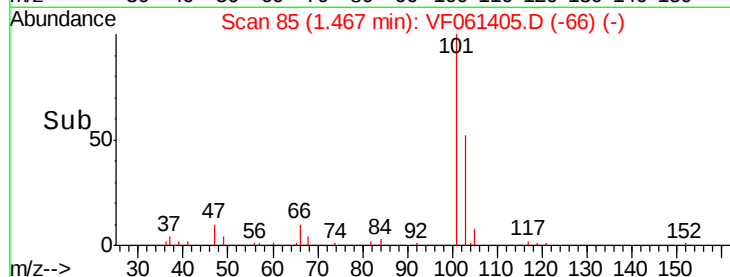
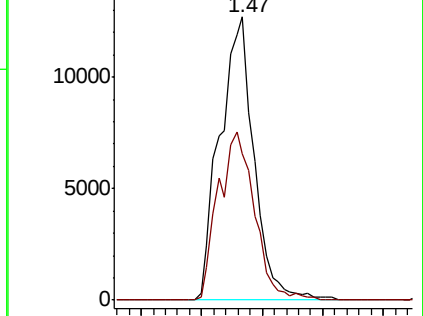
101 100

103 51.9 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 10.803 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061405.D

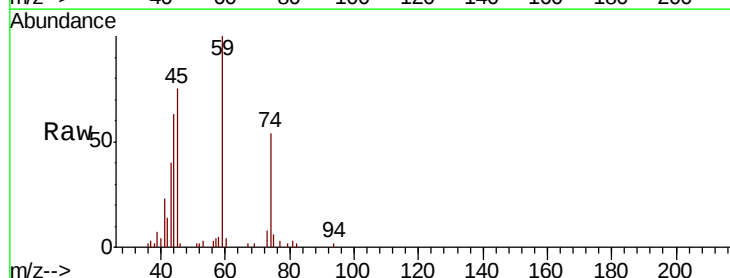
Acq: 15 Jan 2019 14:30

Tgt Ion: 74 Resp: 5831

Ion Ratio Lower Upper

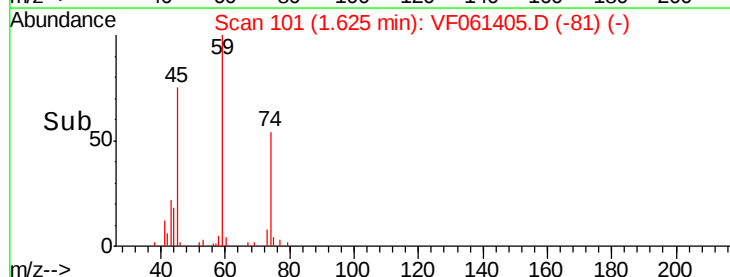
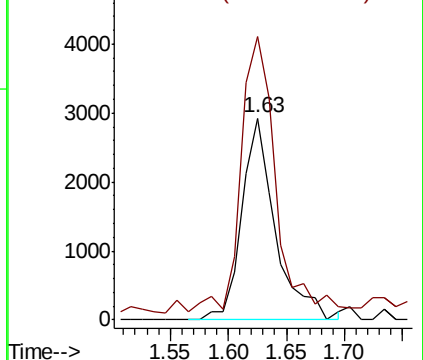
74 100

45 140.1 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.354 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

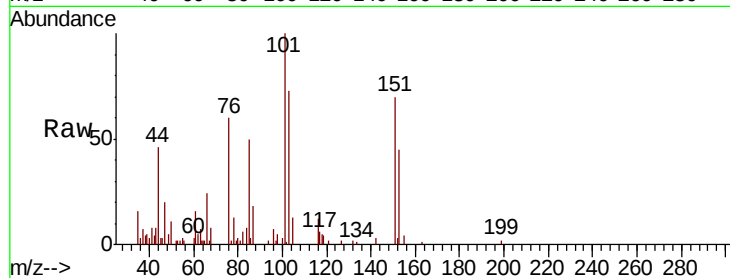
Tgt Ion:101 Resp: 22838

Ion Ratio Lower Upper

101 100

85 50.2 41.9 62.9

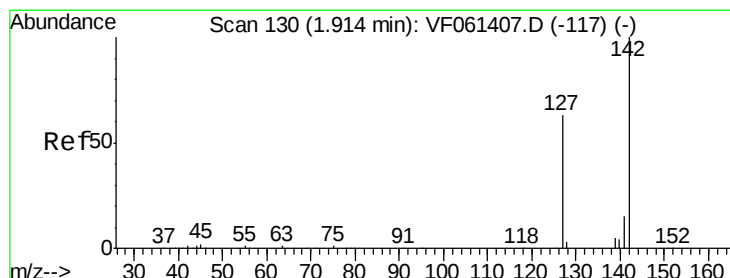
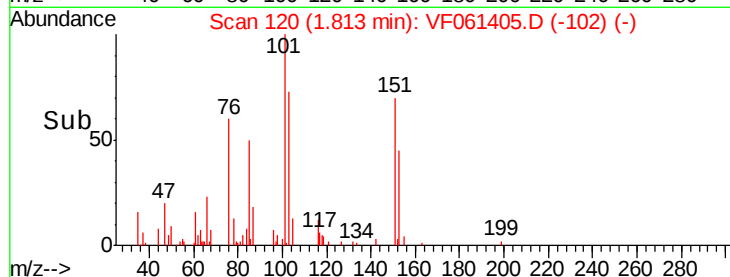
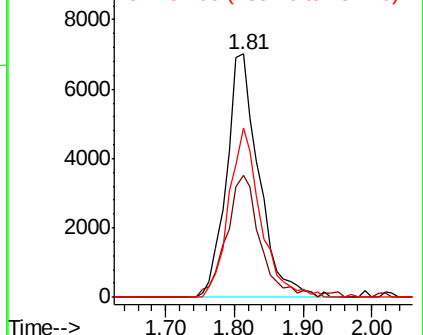
151 69.6 55.1 82.7



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: 11.728 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.07 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

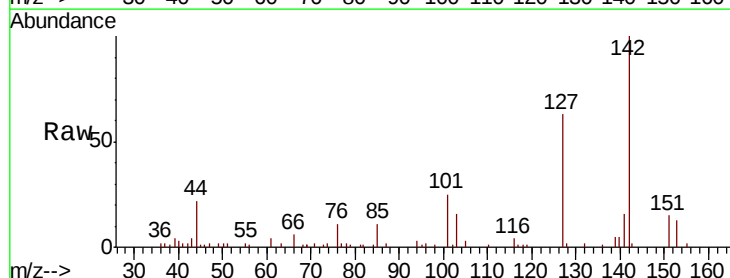
Tgt Ion:142 Resp: 36551

Ion Ratio Lower Upper

142 100

127 63.5 50.7 76.1

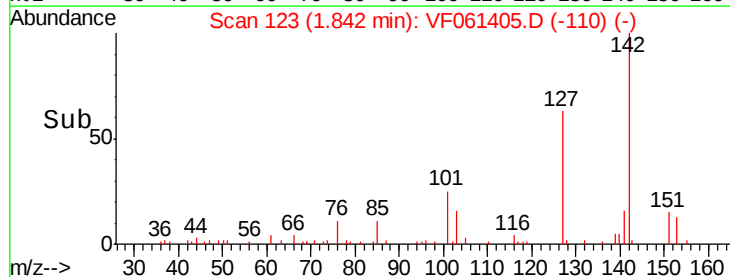
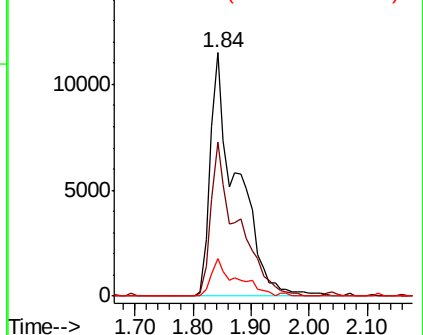
141 15.5 11.8 17.6

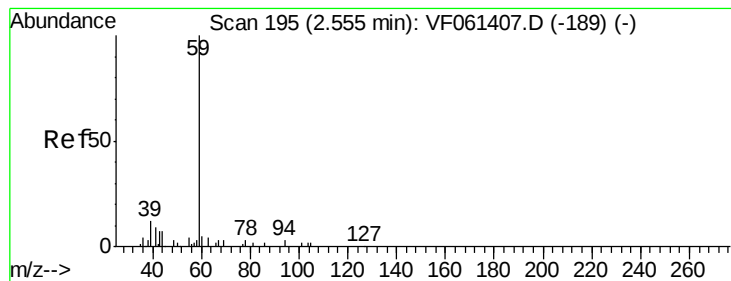


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



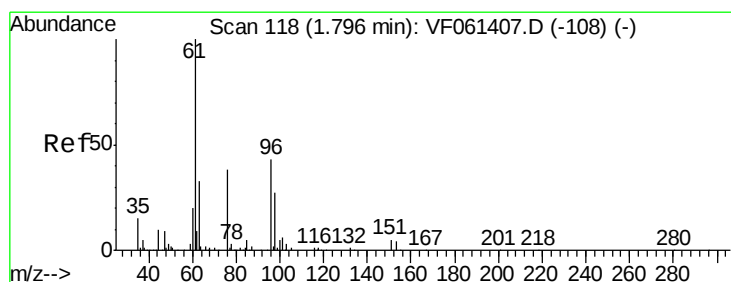
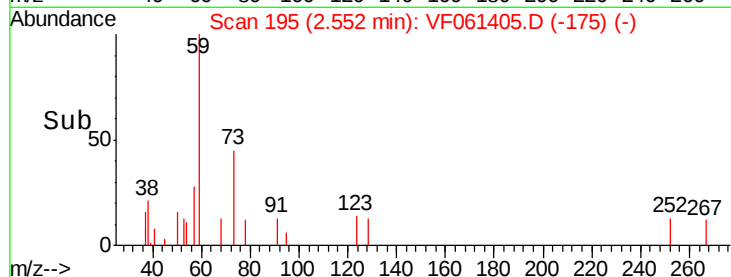
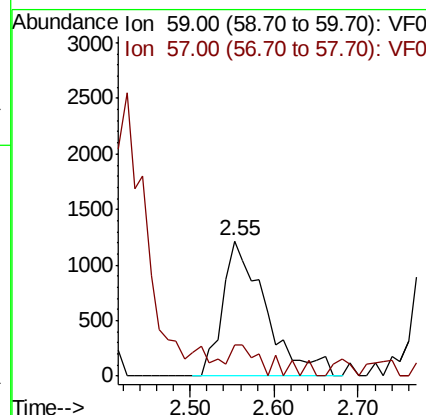
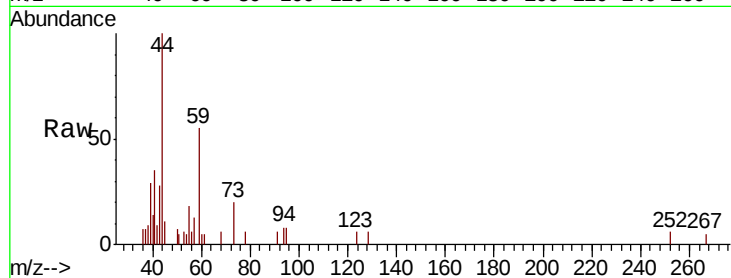


#11

Tert butyl alcohol
 Concen: 50.047 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

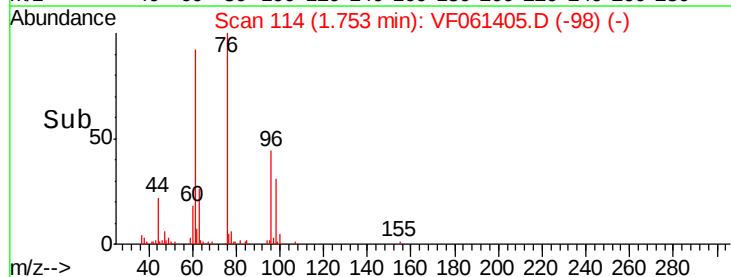
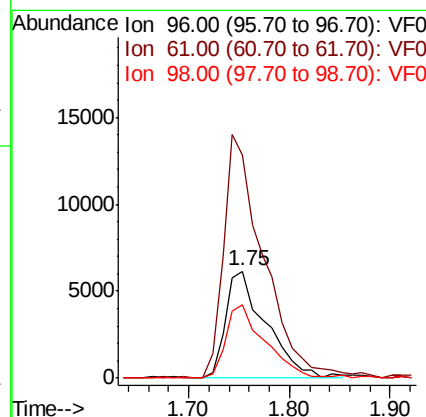
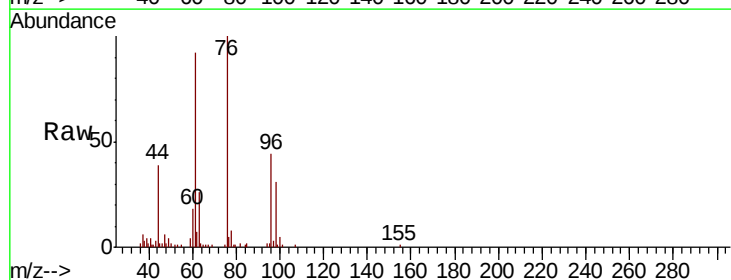
Tgt Ion: 59 Resp: 4338
 Ion Ratio Lower Upper
 59 100
 57 23.2 11.9 17.9#

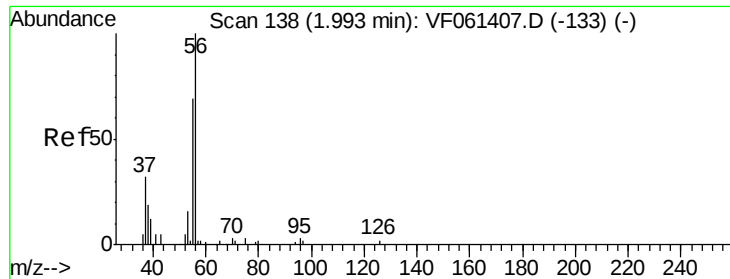


#12

1,1-Dichloroethene
 Concen: 11.500 ug/l
 RT: 1.75 min Scan# 114
 Delta R.T. -0.04 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion: 96 Resp: 17184
 Ion Ratio Lower Upper
 96 100
 61 207.9 186.9 280.3
 98 69.0 53.0 79.4





#13

Acrolein

Concen: 52.564 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

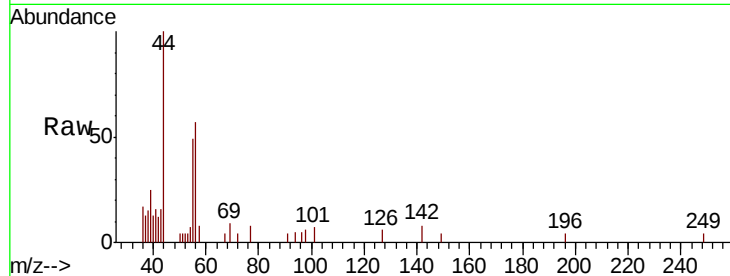
VSTDIC010

Tgt Ion: 56 Resp: 4238

Ion Ratio Lower Upper

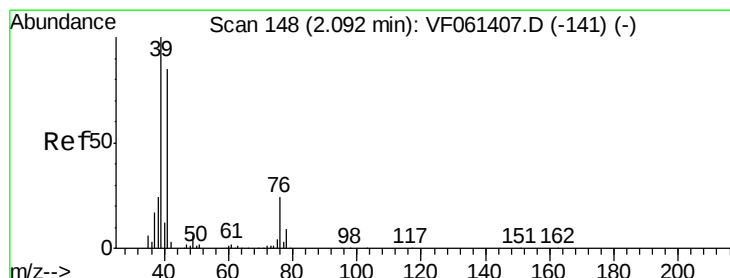
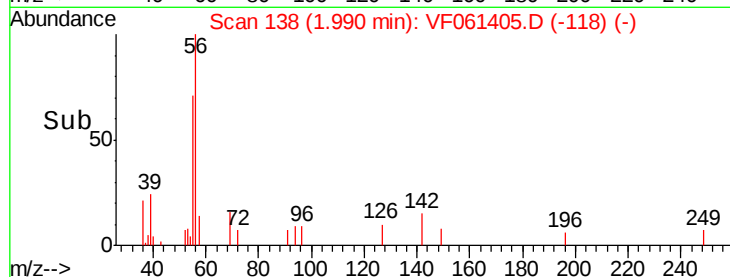
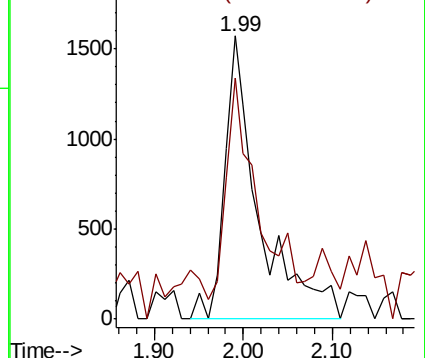
56 100

55 85.0 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 11.321 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

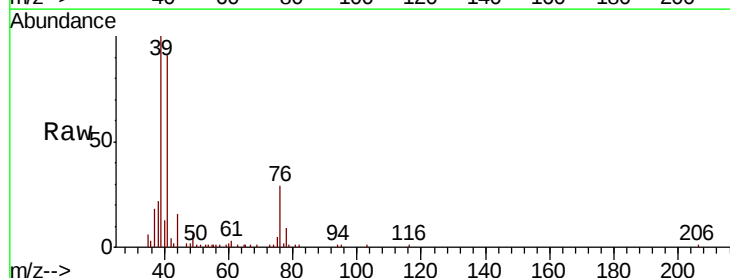
Tgt Ion: 41 Resp: 30430

Ion Ratio Lower Upper

41 100

39 110.0 94.6 141.8

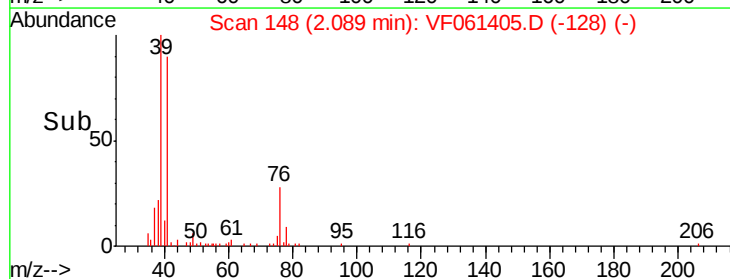
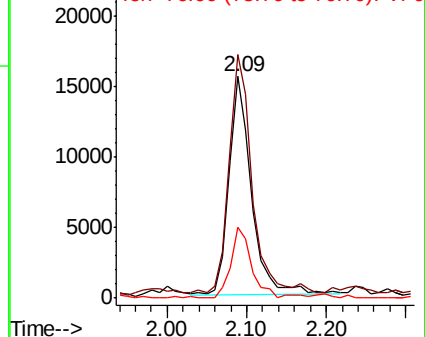
76 31.9 25.9 38.9

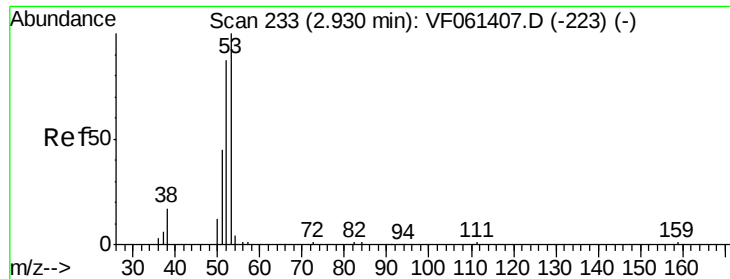


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 50.923 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

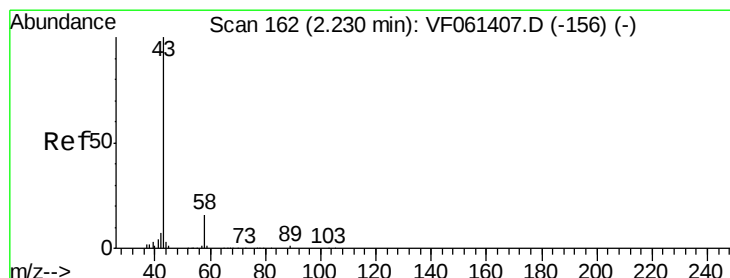
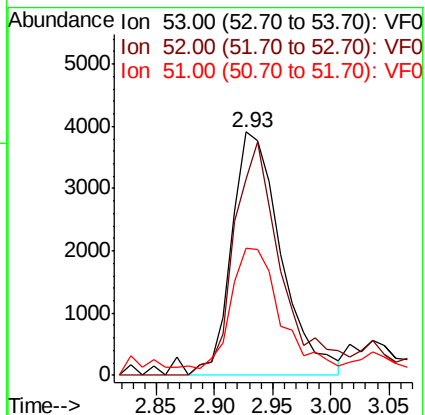
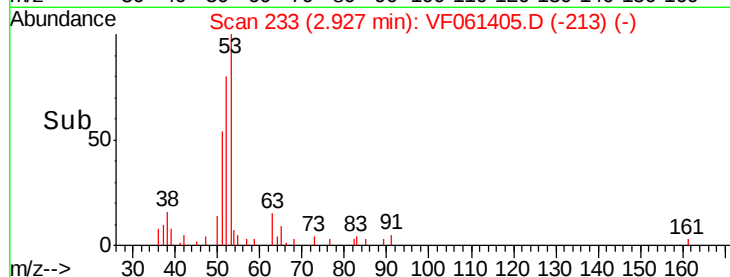
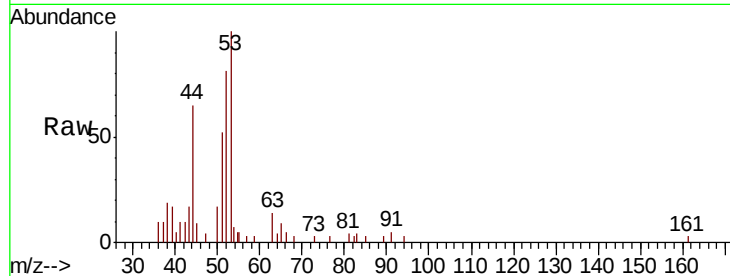
Tgt Ion: 53 Resp: 11506

Ion Ratio Lower Upper

53 100

52 80.6 69.6 104.4

51 52.4 36.8 55.2



#16

Acetone

Concen: 51.853 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061405.D

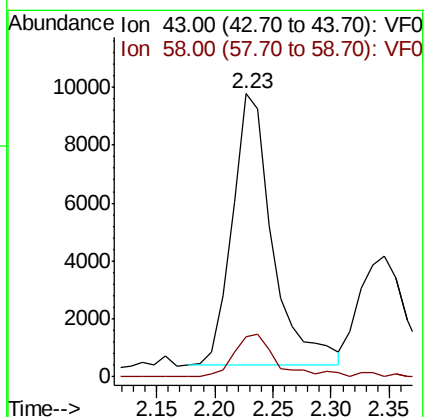
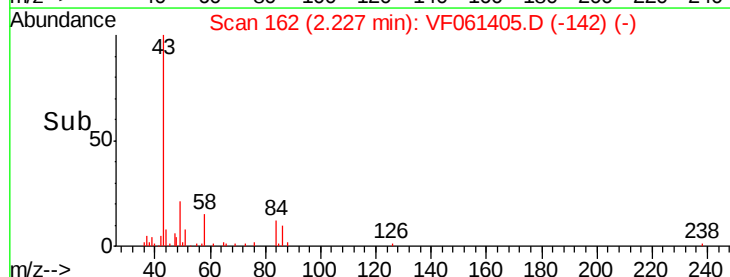
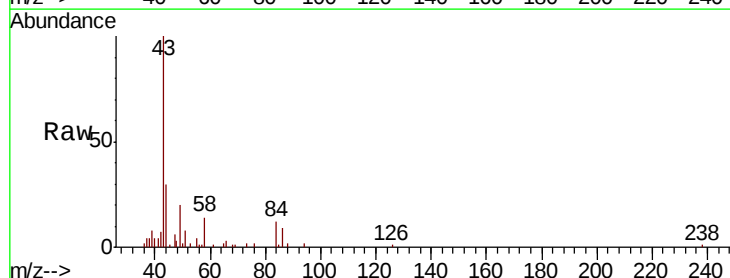
Acq: 15 Jan 2019 14:30

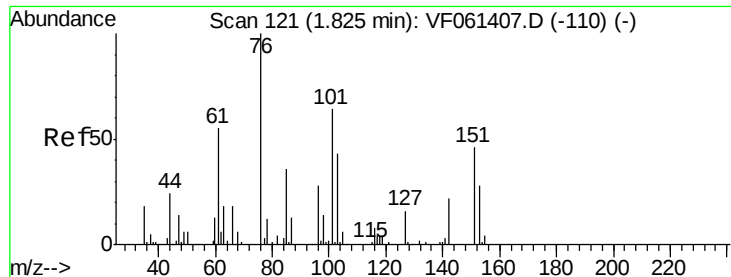
Tgt Ion: 43 Resp: 22314

Ion Ratio Lower Upper

43 100

58 14.4 13.3 19.9

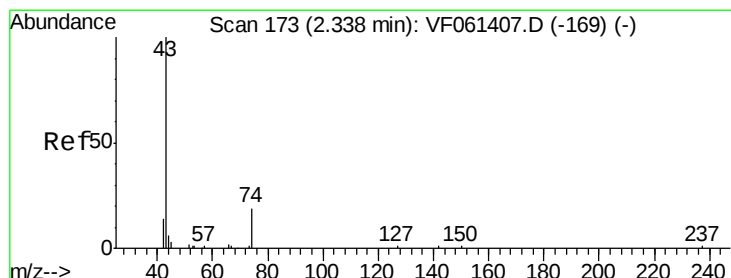
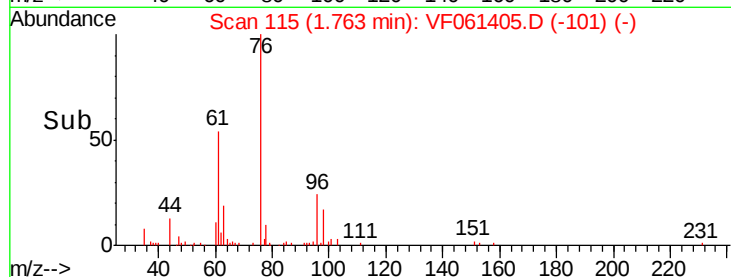
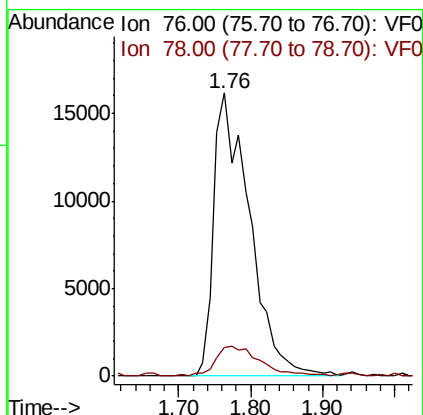
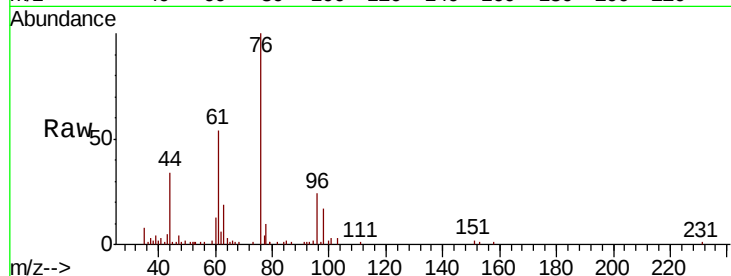




#17
Carbon Disulfide
Concen: 11.935 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

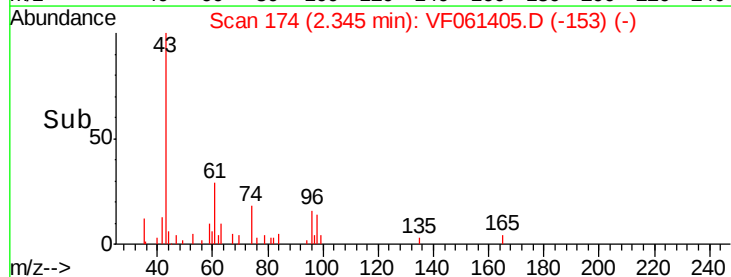
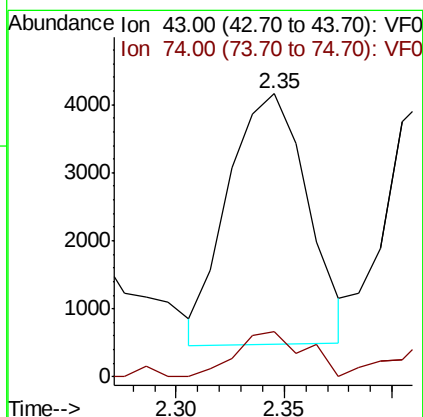
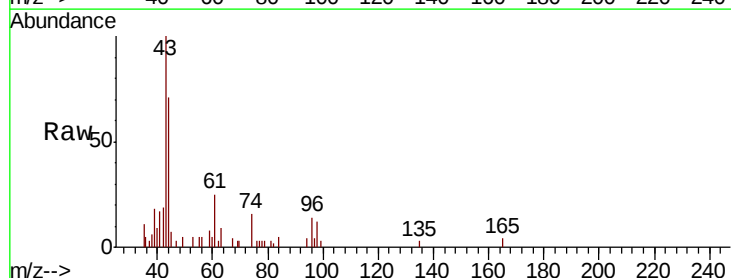
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

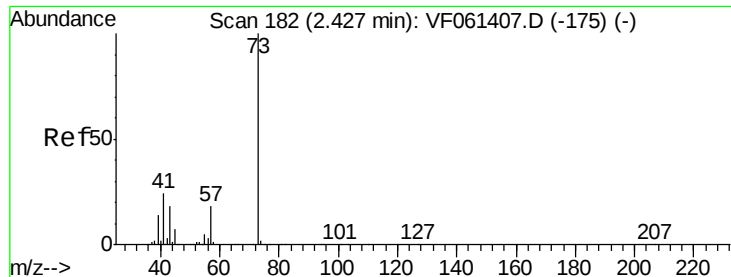
Tgt Ion: 76 Resp: 55630
Ion Ratio Lower Upper
76 100
78 10.1 9.6 14.4



#18
Methyl Acetate
Concen: 9.275 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion: 43 Resp: 9417
Ion Ratio Lower Upper
43 100
74 15.9 13.4 20.0



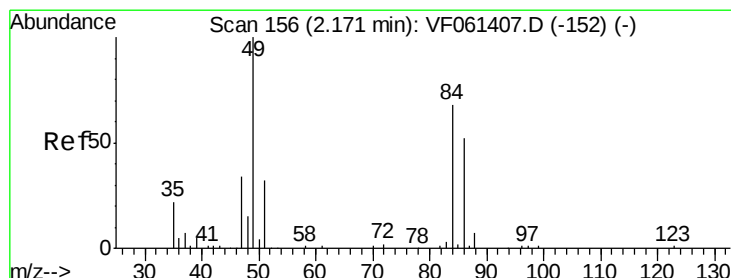
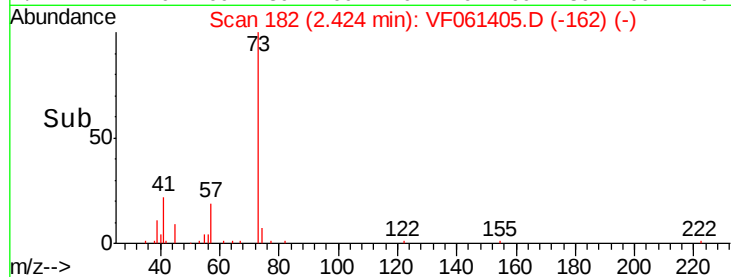
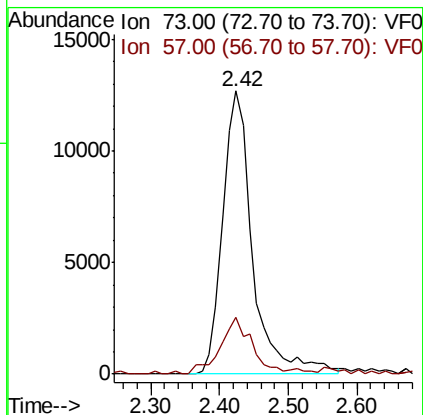
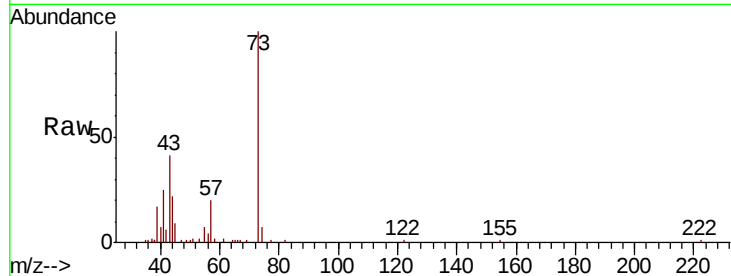


#19

Methyl tert-butyl Ether
 Concen: 11.491 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

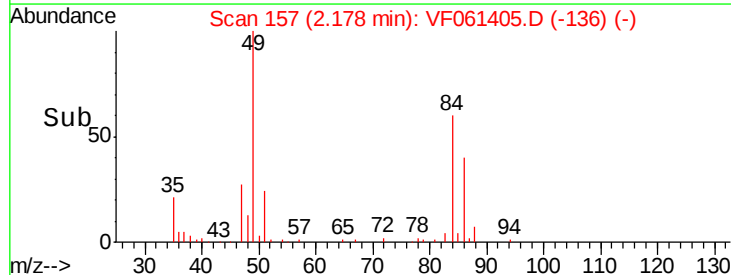
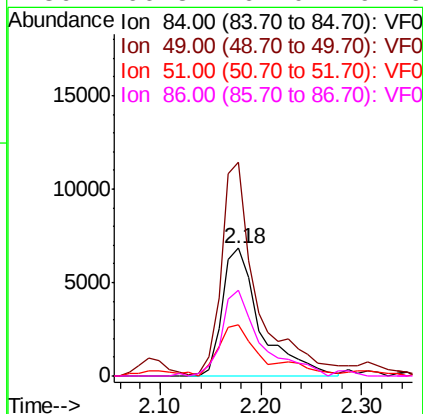
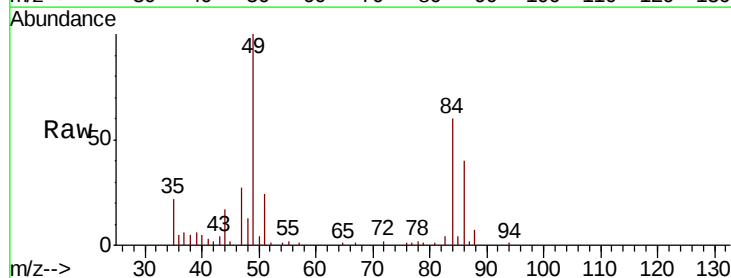
Tgt Ion: 73 Resp: 38269
 Ion Ratio Lower Upper
 73 100
 57 20.1 14.8 22.2

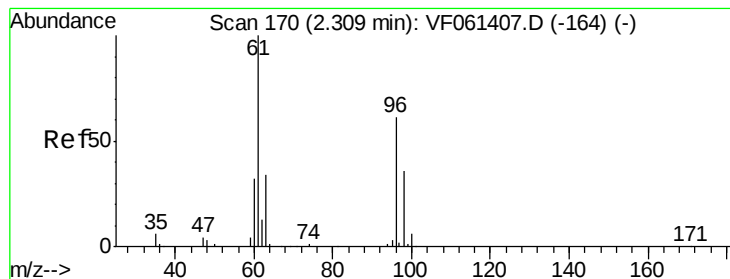


#20

Methylene Chloride
 Concen: 10.632 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion: 84 Resp: 17995
 Ion Ratio Lower Upper
 84 100
 49 167.6 120.0 180.0
 51 40.5 38.6 58.0
 86 66.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 11.238 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

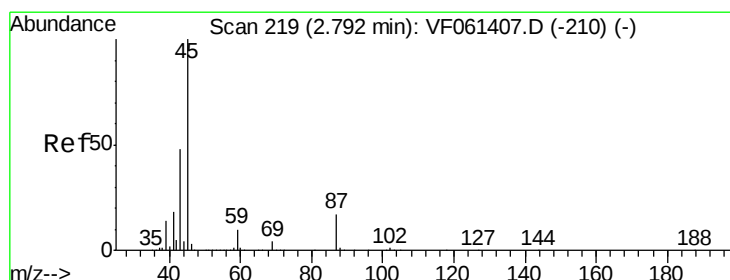
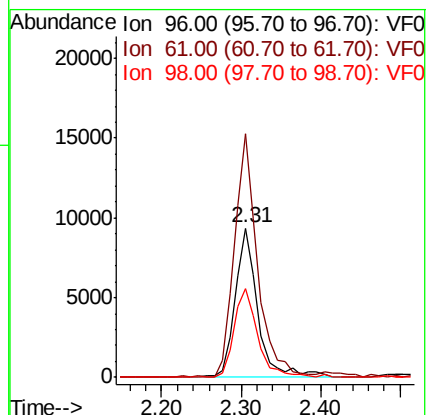
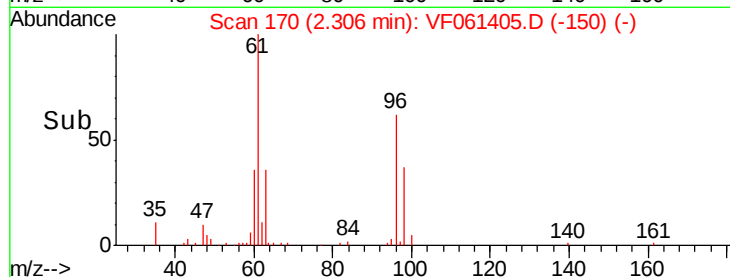
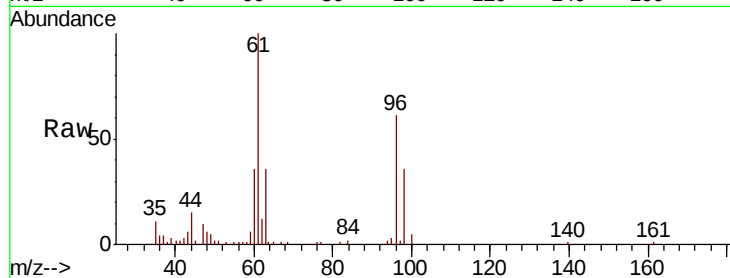
Tgt Ion: 96 Resp: 18656

Ion Ratio Lower Upper

96 100

61 163.0 131.8 197.8

98 59.4 47.4 71.0



#22

Diisopropyl ether

Concen: 10.509 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Tgt Ion: 45 Resp: 54939

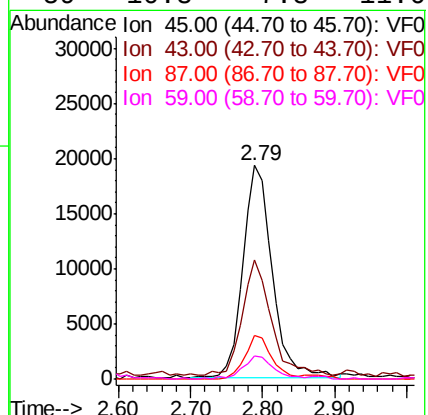
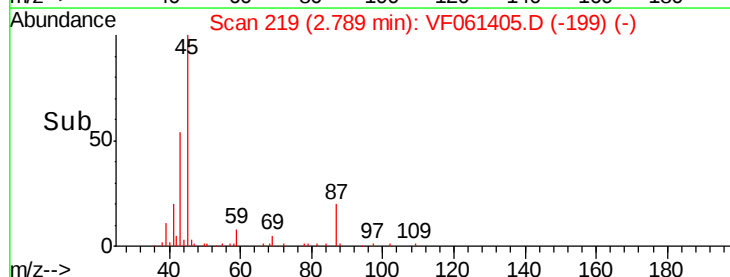
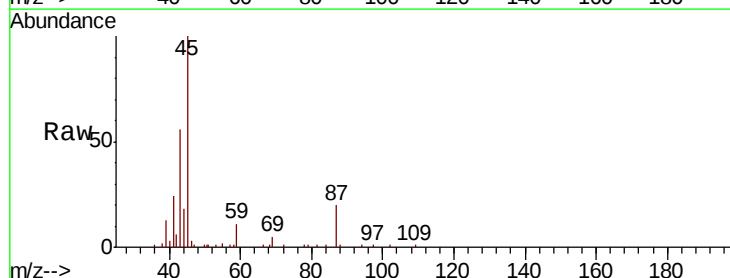
Ion Ratio Lower Upper

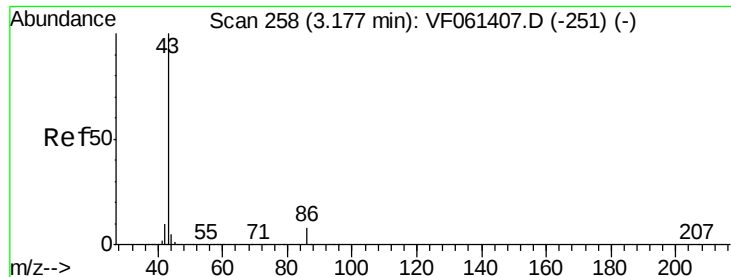
45 100

43 56.0 39.0 58.6

87 20.3 13.9 20.9

59 10.8 7.8 11.6





#23

Vinyl Acetate

Concen: 38.825 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

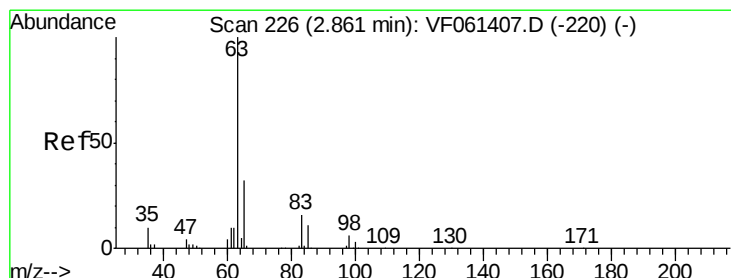
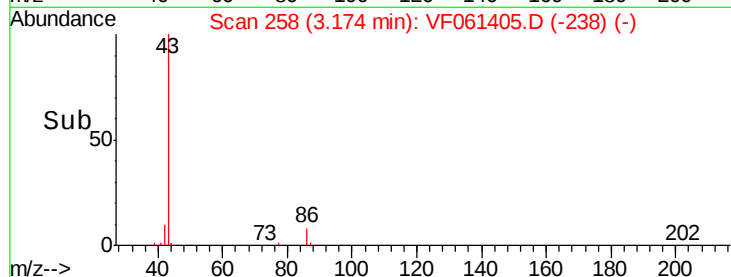
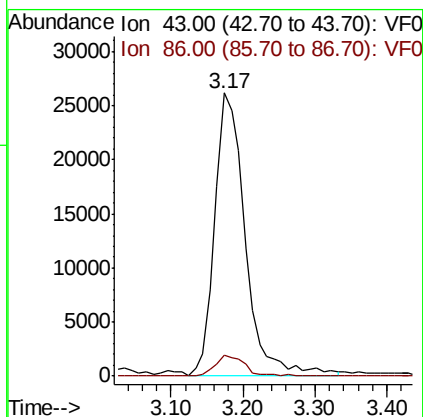
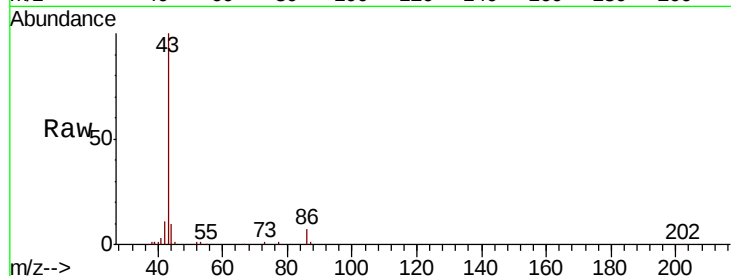
VSTDIC010

Tgt Ion: 43 Resp: 77223

Ion Ratio Lower Upper

43 100

86 7.4 6.2 9.4



#24

1,1-Dichloroethane

Concen: 11.040 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

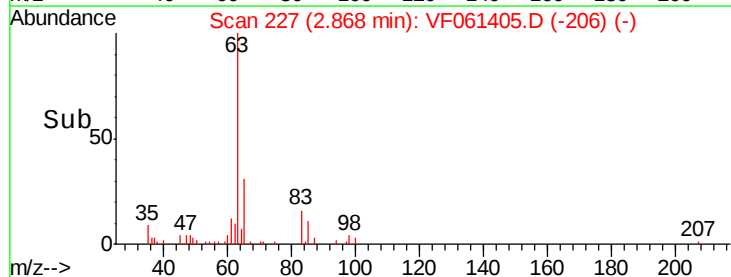
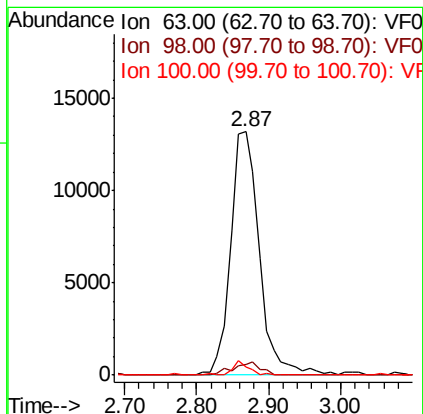
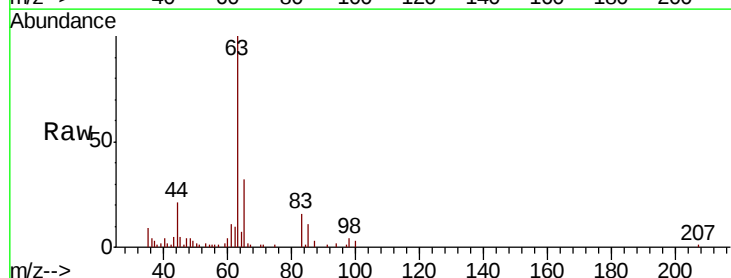
Tgt Ion: 63 Resp: 36753

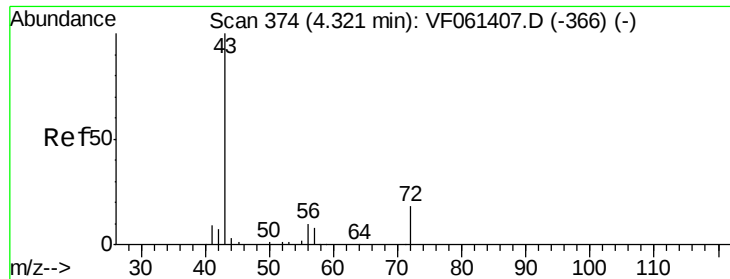
Ion Ratio Lower Upper

63 100

98 4.1 2.9 8.8

100 3.4 1.6 4.8





#25

2-Butanone

Concen: 43.458 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

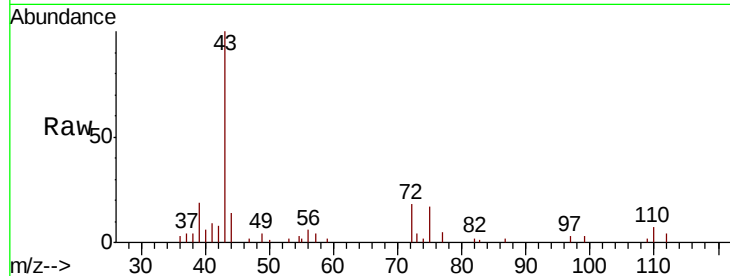
VSTDIC010

Tgt Ion: 43 Resp: 29787

Ion Ratio Lower Upper

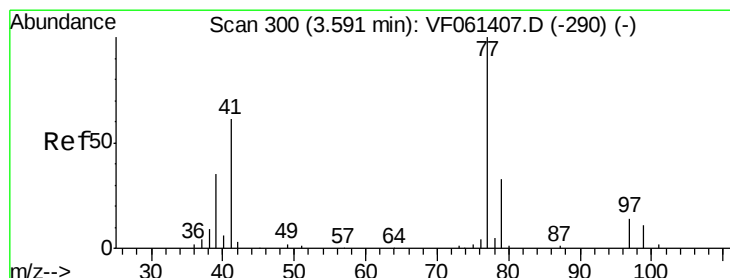
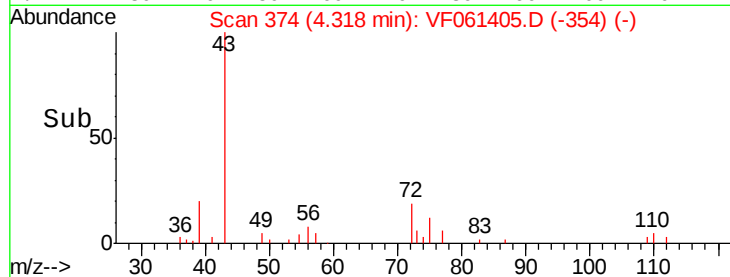
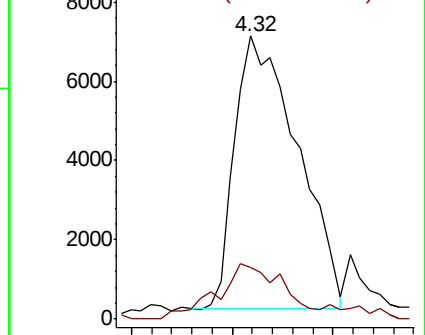
43 100

72 18.5 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 11.828 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061405.D

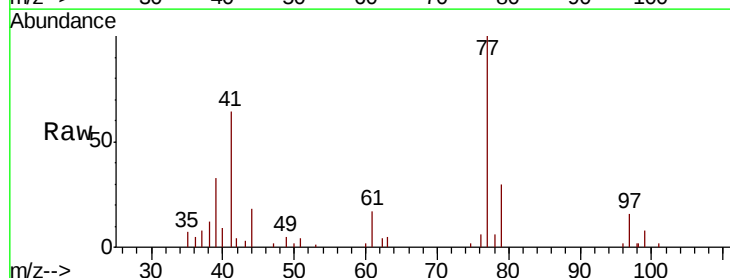
Acq: 15 Jan 2019 14:30

Tgt Ion: 77 Resp: 25367

Ion Ratio Lower Upper

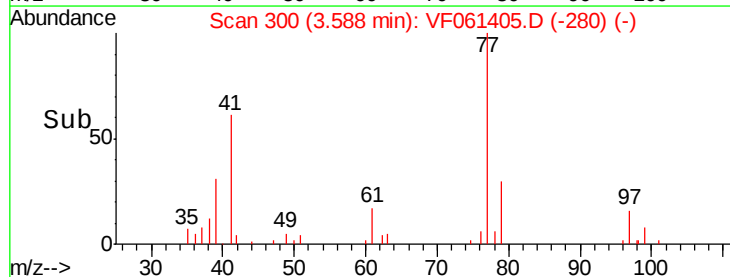
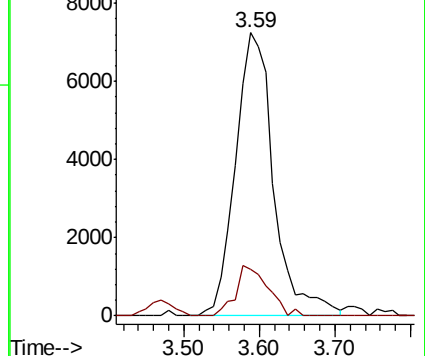
77 100

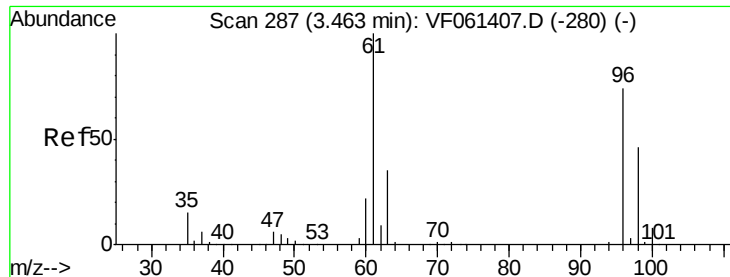
97 16.4 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



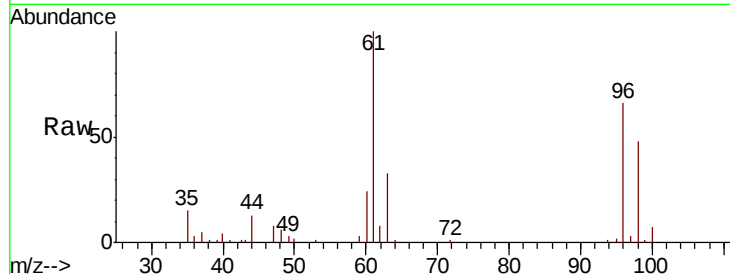


#27

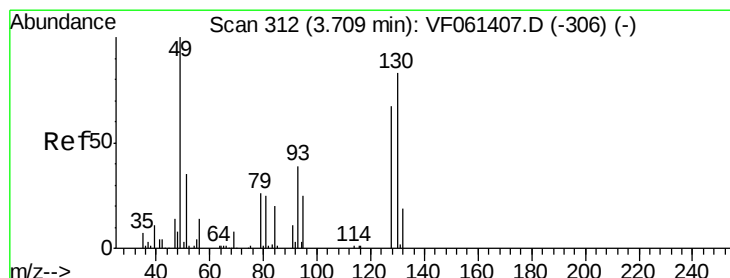
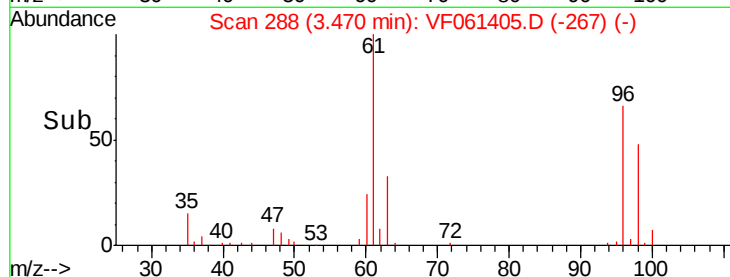
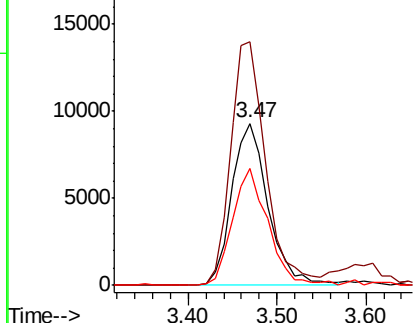
cis-1,2-Dichloroethene
 Concen: 11.055 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 26512
 Ion Ratio Lower Upper
 96 100
 61 150.5 0.0 270.2
 98 71.9 0.0 124.0



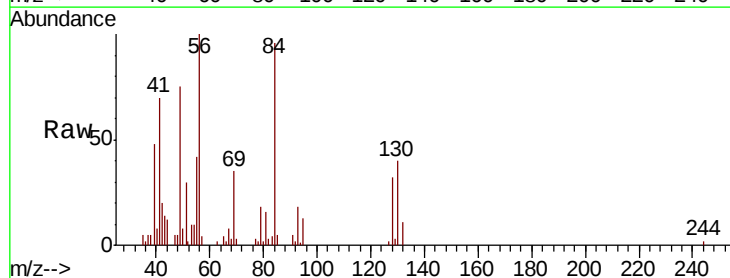
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



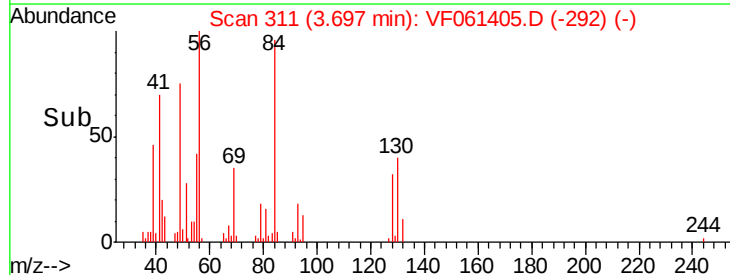
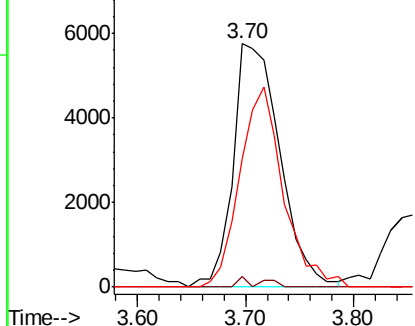
#28

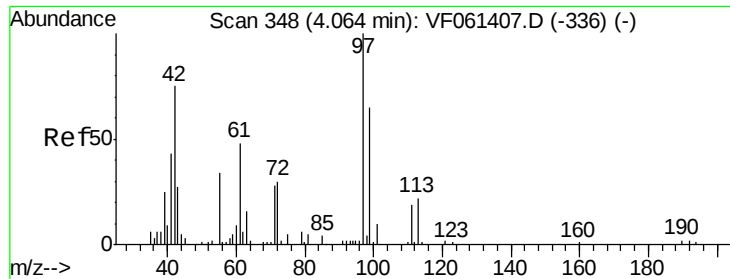
Bromochloromethane
 Concen: 11.186 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion: 49 Resp: 17335
 Ion Ratio Lower Upper
 49 100
 129 4.4 0.0 0.0#
 130 52.7 65.4 98.2#



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: 49.612 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

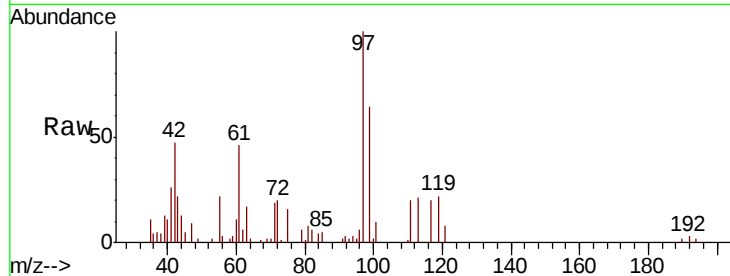
Tgt Ion: 42 Resp: 14961

Ion Ratio Lower Upper

42 100

72 35.0 28.9 43.3

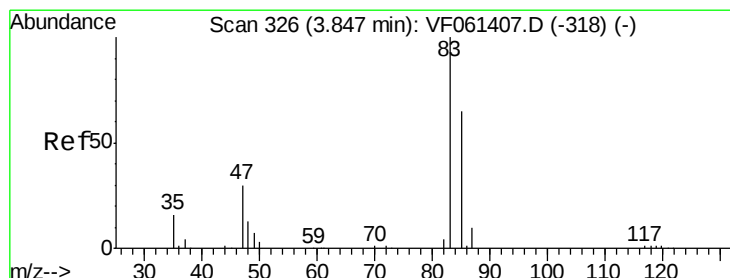
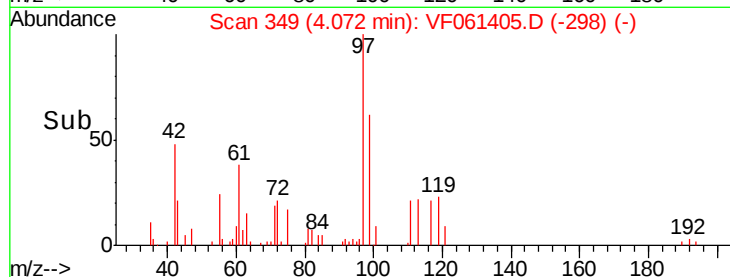
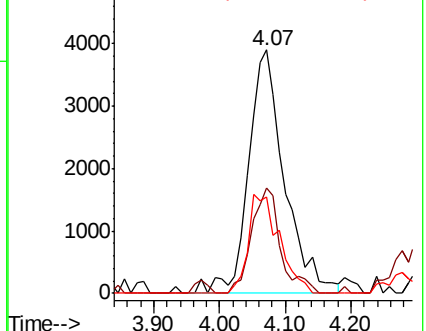
71 35.2 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 10.333 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061405.D

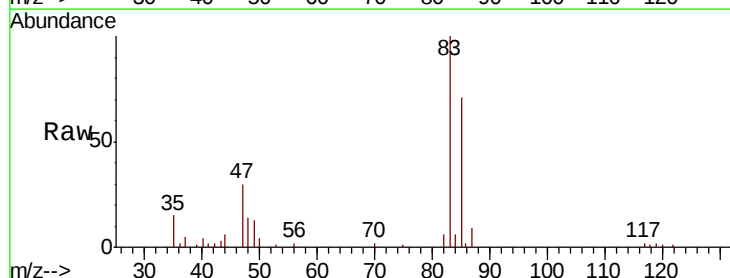
Acq: 15 Jan 2019 14:30

Tgt Ion: 83 Resp: 46422

Ion Ratio Lower Upper

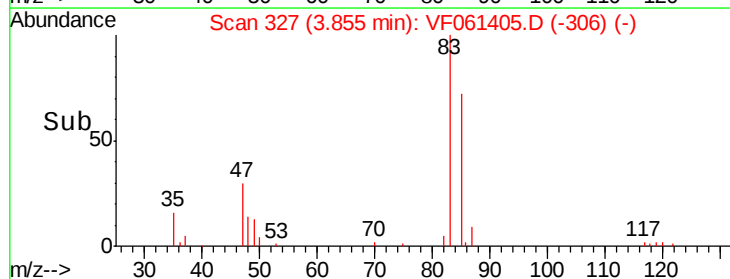
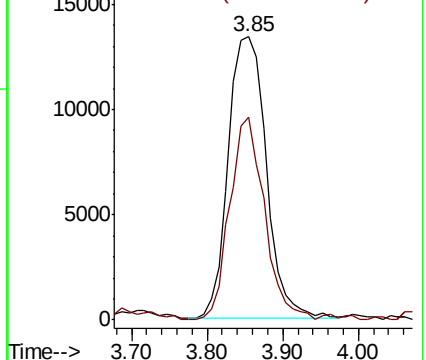
83 100

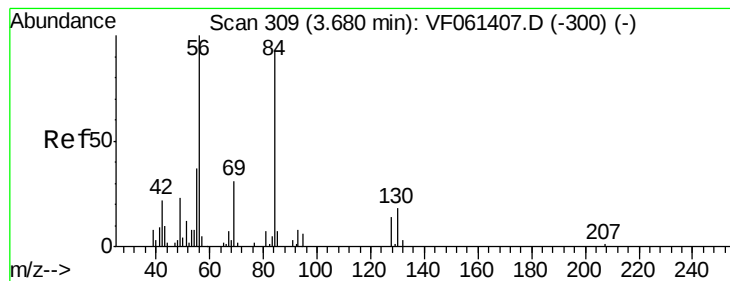
85 71.5 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 11.374 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.02 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

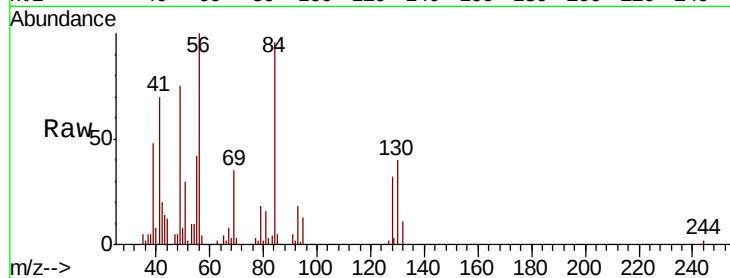
Tgt Ion: 56 Resp: 38640

Ion Ratio Lower Upper

56 100

69 35.3 24.6 36.8

84 95.9 74.2 111.2

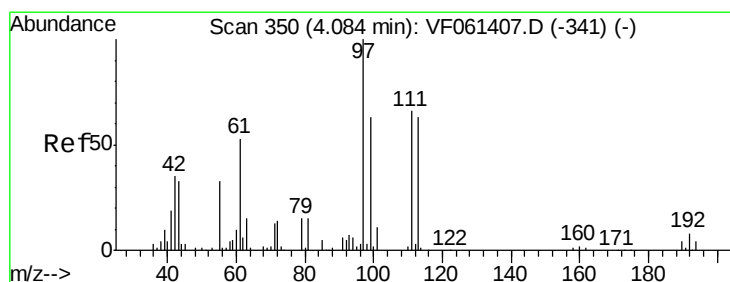
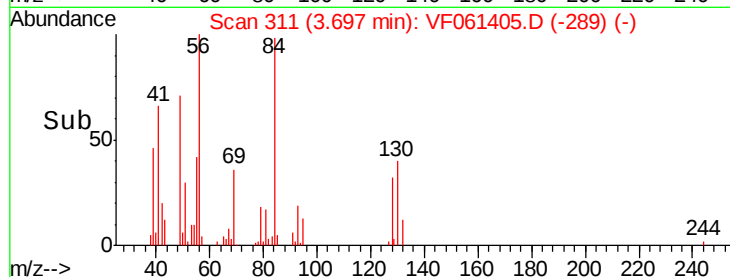
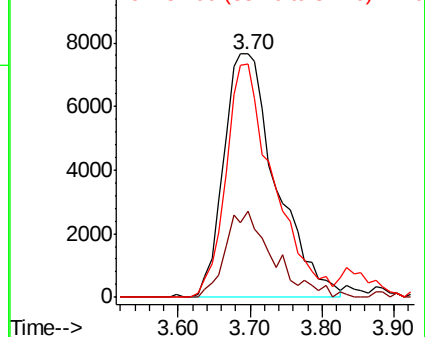


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 12.274 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

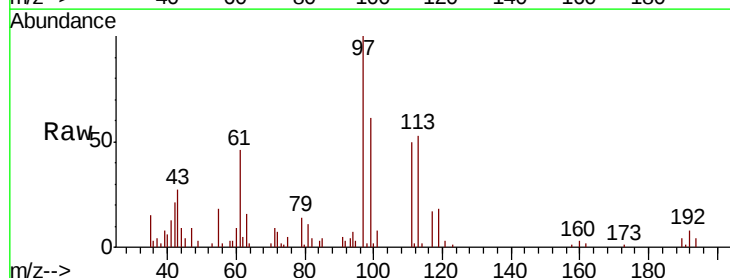
Tgt Ion: 97 Resp: 41933

Ion Ratio Lower Upper

97 100

99 61.4 50.1 75.1

61 46.2 43.1 64.7

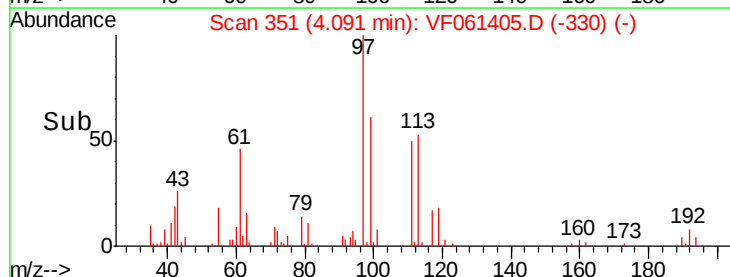
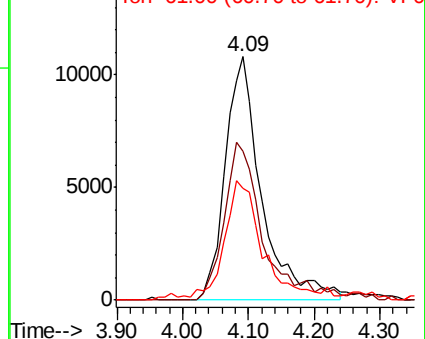


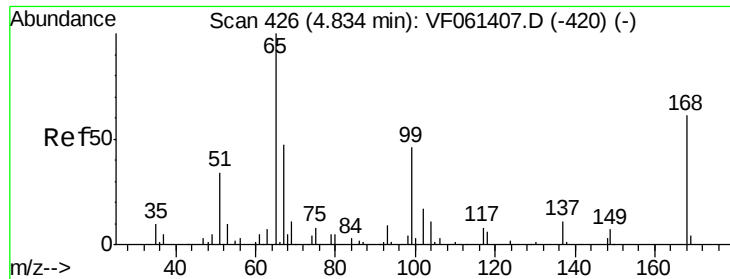
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 10.104 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

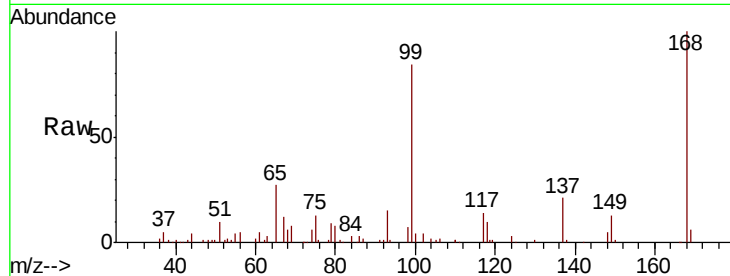
VSTDIC010

Tgt Ion: 65 Resp: 20136

Ion Ratio Lower Upper

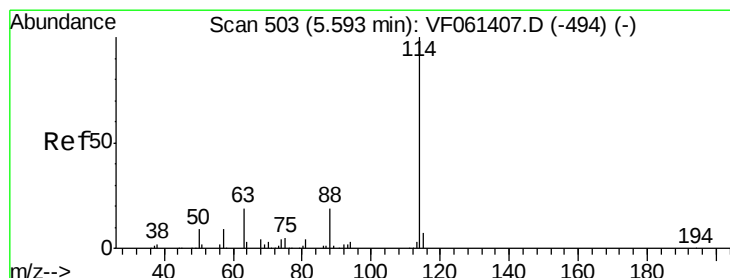
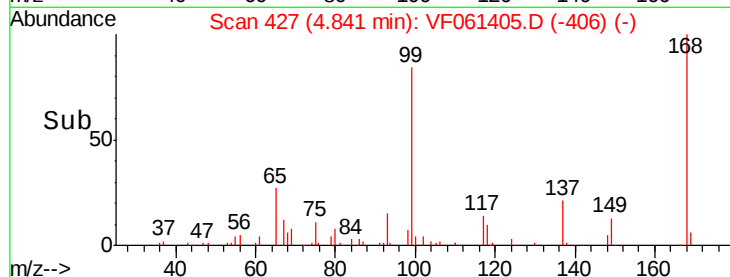
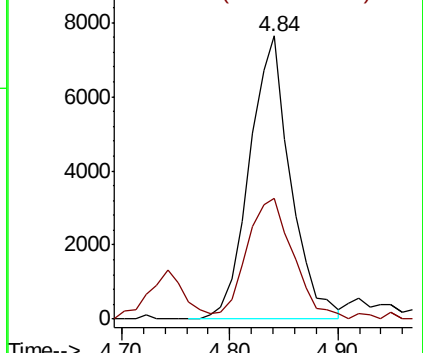
65 100

67 42.8 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

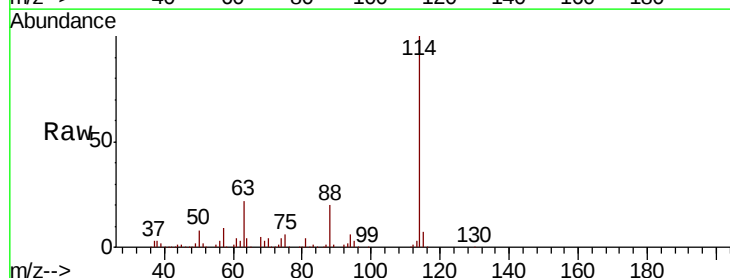
Tgt Ion: 114 Resp: 275380

Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.0

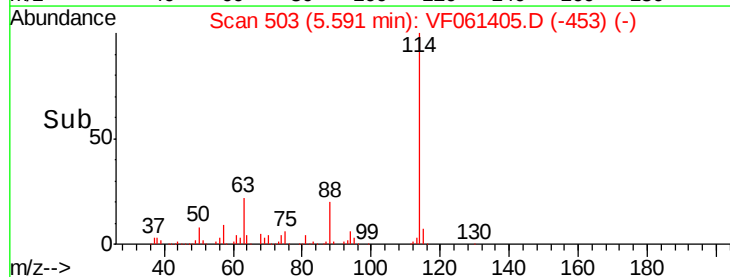
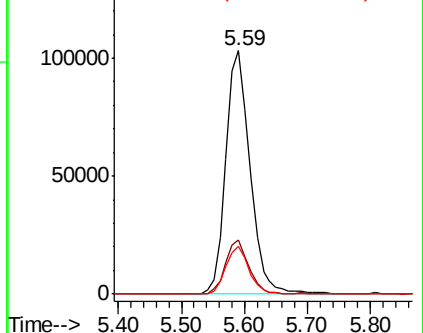
88 19.8 0.0 37.4

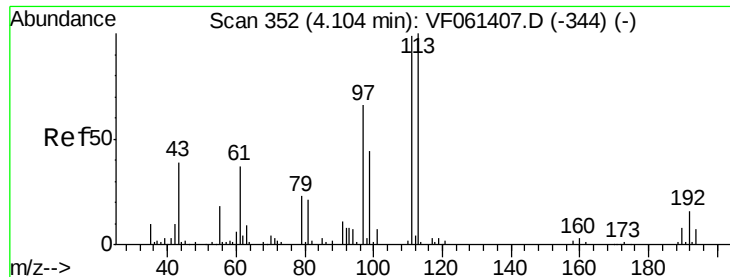


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 10.515 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

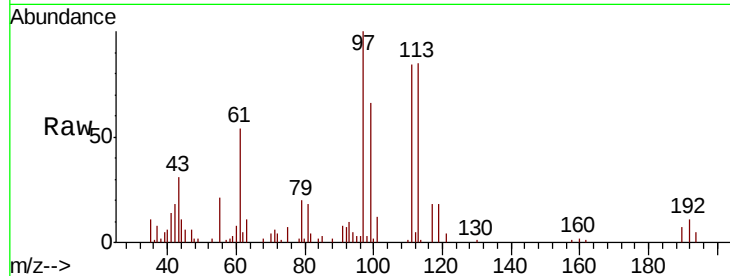
Tgt Ion:113 Resp: 23408

Ion Ratio Lower Upper

113 100

111 98.6 79.4 119.0

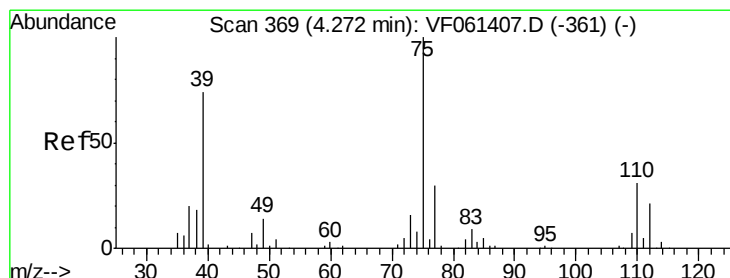
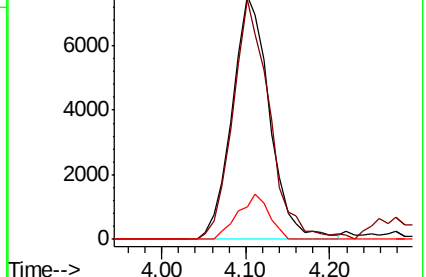
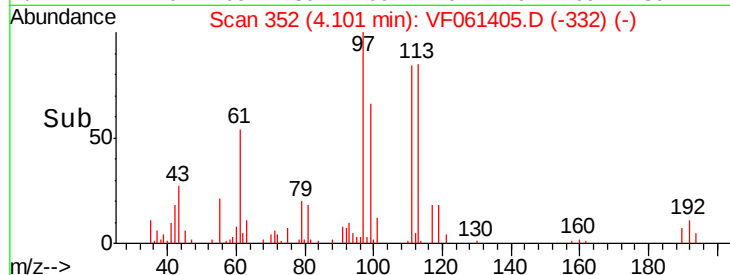
192 13.1 12.4 18.6



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: 10.498 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

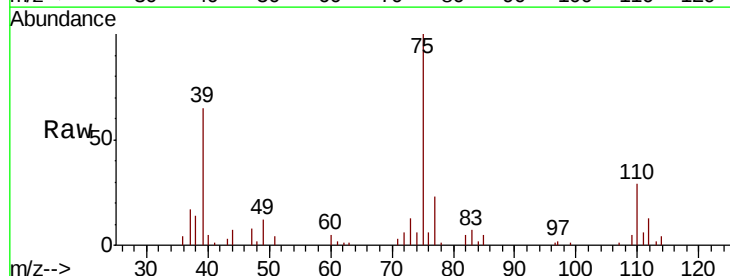
Tgt Ion: 75 Resp: 34283

Ion Ratio Lower Upper

75 100

110 29.0 15.8 47.3

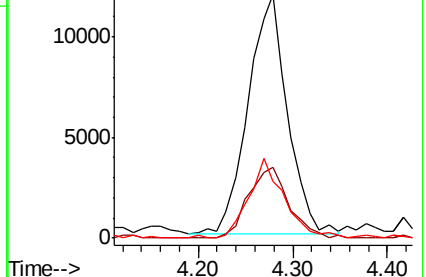
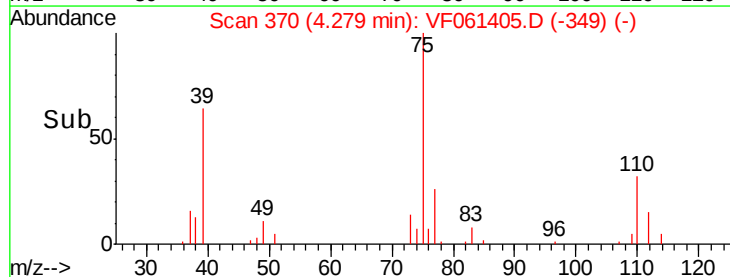
77 23.5 24.0 36.0#

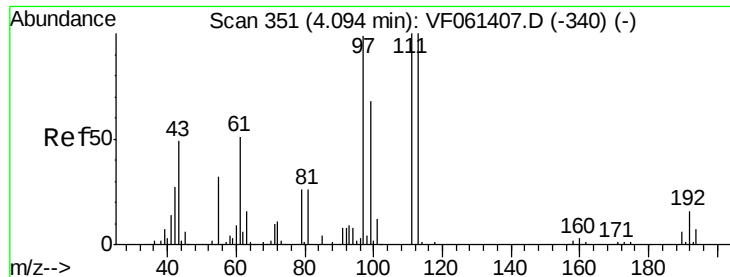


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

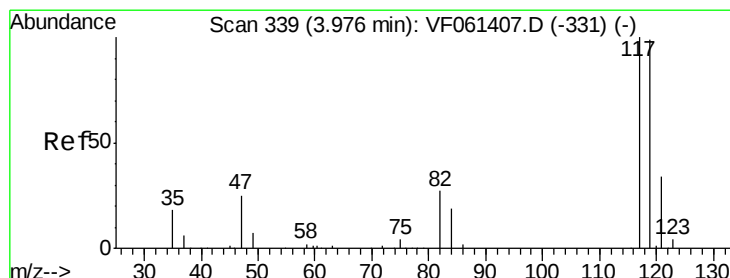
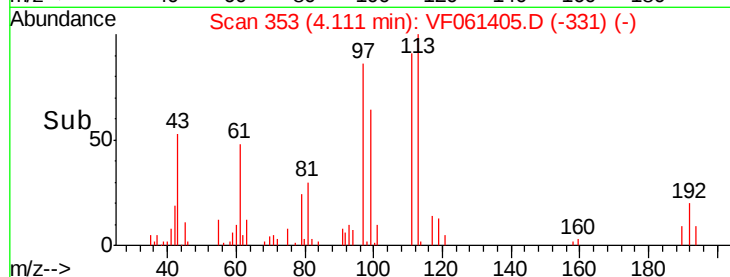
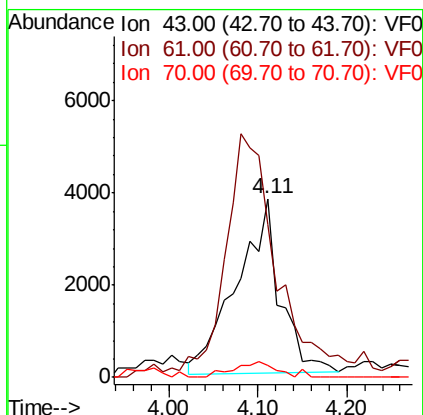
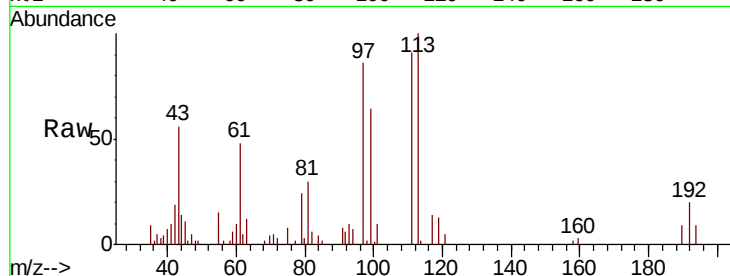




#37
Ethyl Acetate
Concen: 9.603 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

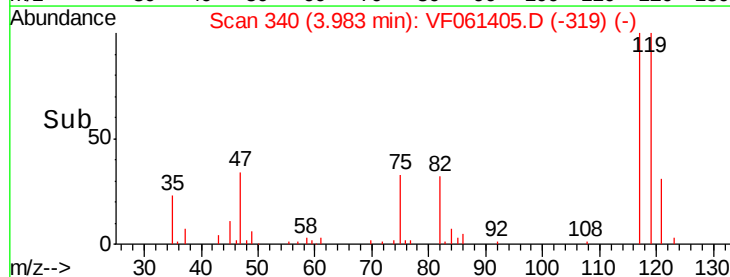
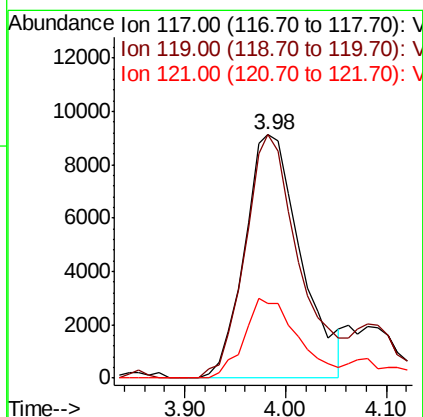
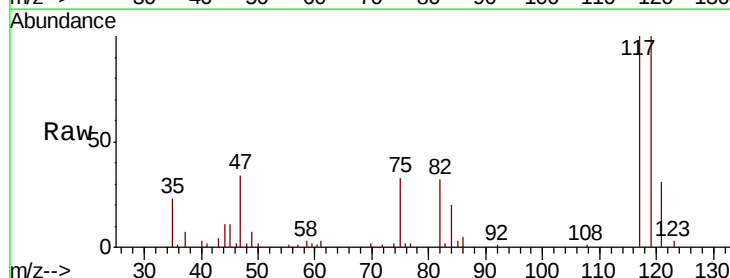
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

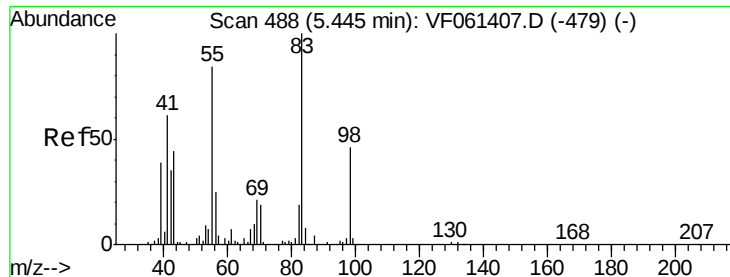
Tgt Ion: 43 Resp: 12733
Ion Ratio Lower Upper
43 100
61 85.4 81.7 122.5
70 6.9 6.2 9.2



#38
Carbon Tetrachloride
Concen: 9.956 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion: 117 Resp: 35223
Ion Ratio Lower Upper
117 100
119 99.9 79.0 118.6
121 30.9 27.0 40.6

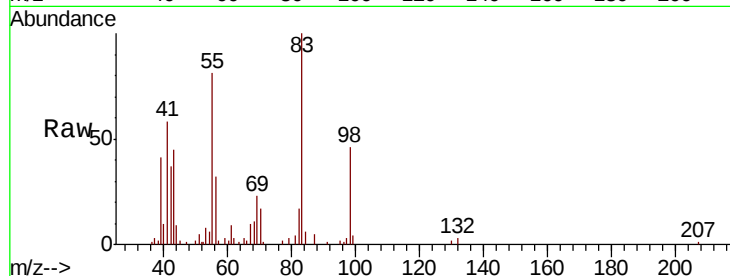




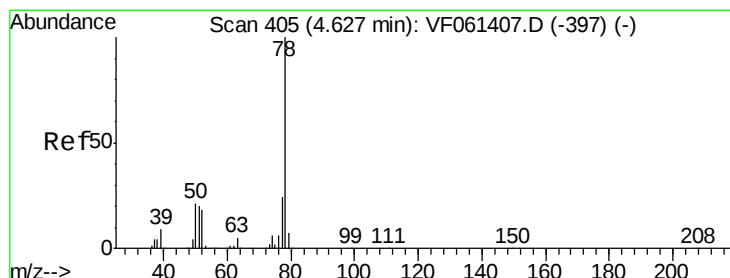
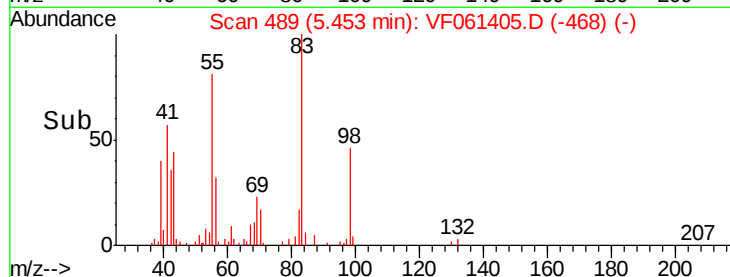
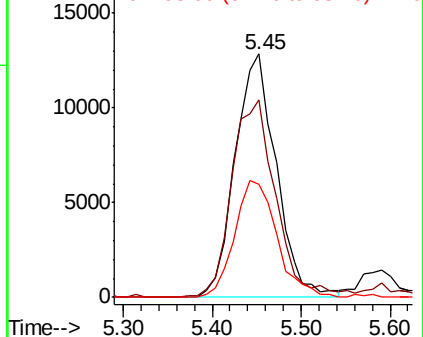
#39
Methylcyclohexane
Concen: 11.446 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 41267
Ion Ratio Lower Upper
83 100
55 81.2 67.4 101.2
98 46.4 36.7 55.1

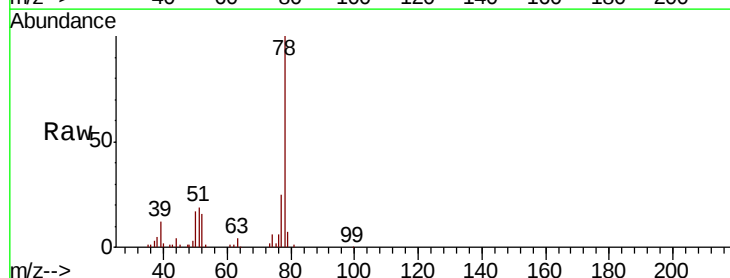


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

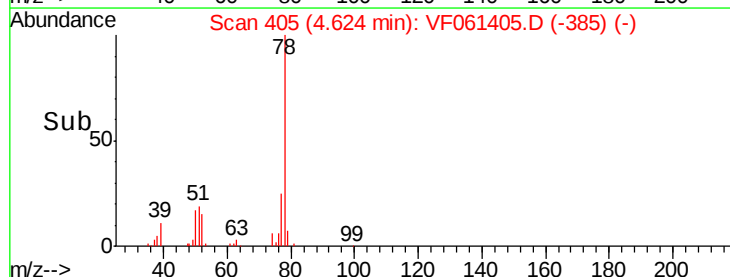
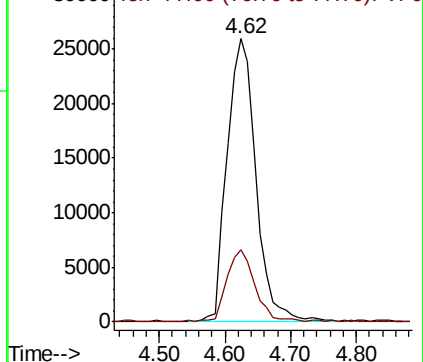


#40
Benzene
Concen: 10.852 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion: 78 Resp: 80369
Ion Ratio Lower Upper
78 100
77 25.5 19.0 28.6



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





#41

Methacrylonitrile

Concen: 11.032 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 7705

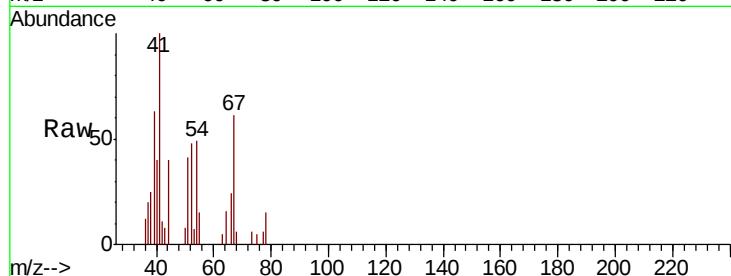
Ion Ratio Lower Upper

41 100

39 62.6 43.1 64.7

67 61.2 38.8 58.2#

52 47.9 33.2 49.8

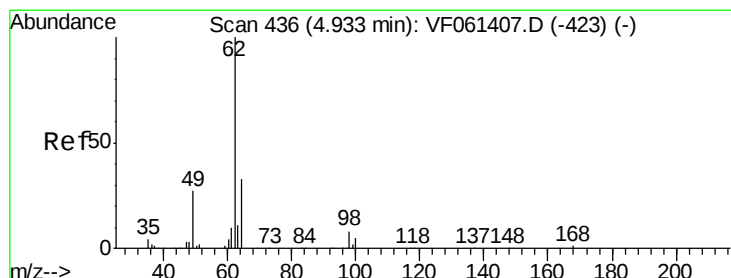
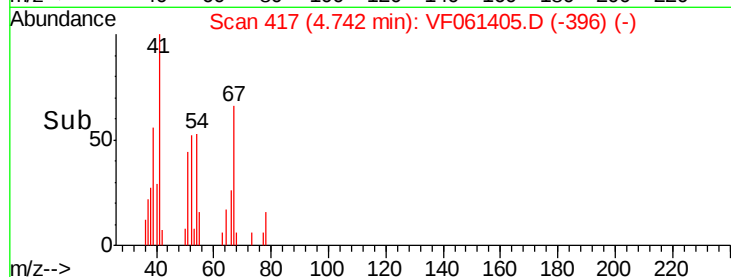
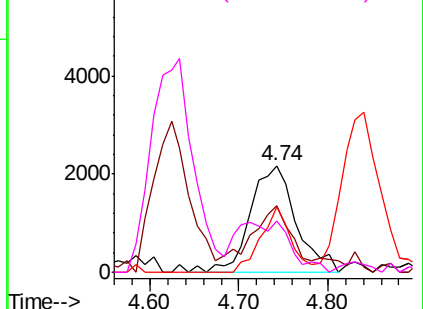


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 9.771 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.00 min

Lab File: VF061405.D

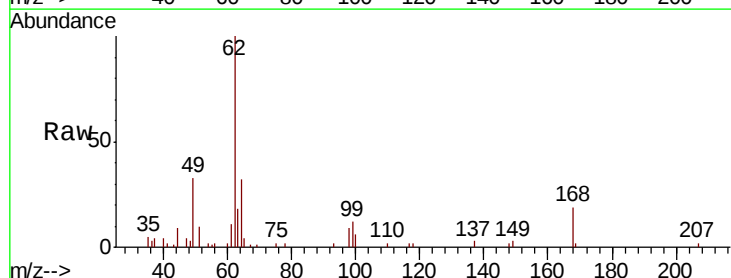
Acq: 15 Jan 2019 14:30

Tgt Ion: 62 Resp: 25080

Ion Ratio Lower Upper

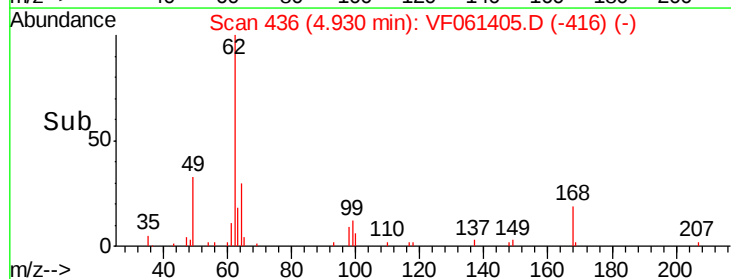
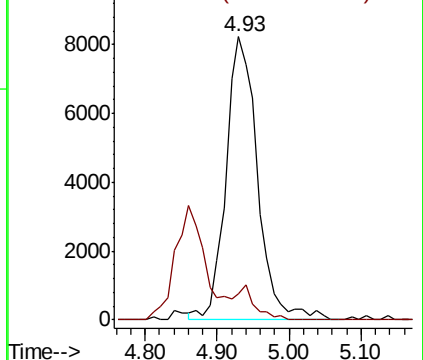
62 100

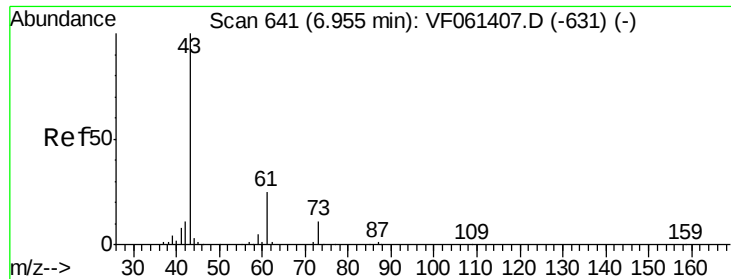
98 9.4 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 9.347 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

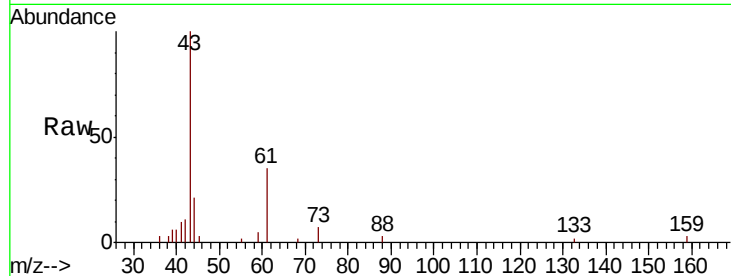
Tgt Ion: 43 Resp: 14819

Ion Ratio Lower Upper

43 100

61 34.6 20.3 30.5#

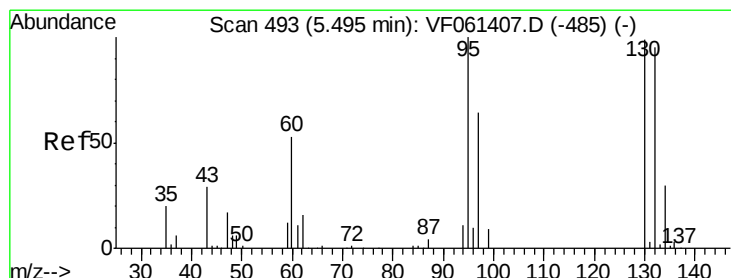
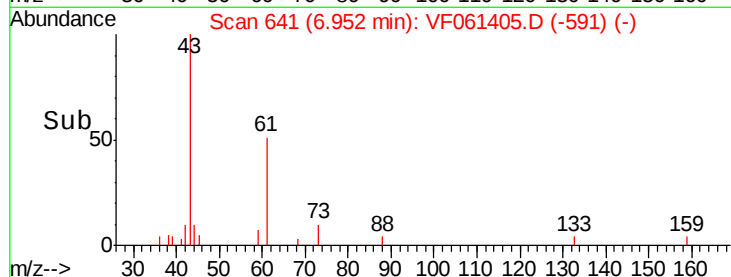
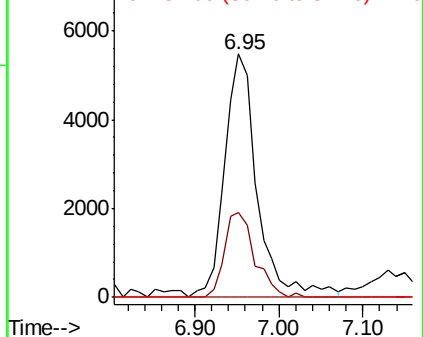
87 0.0 0.5 0.7#



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: 10.100 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061405.D

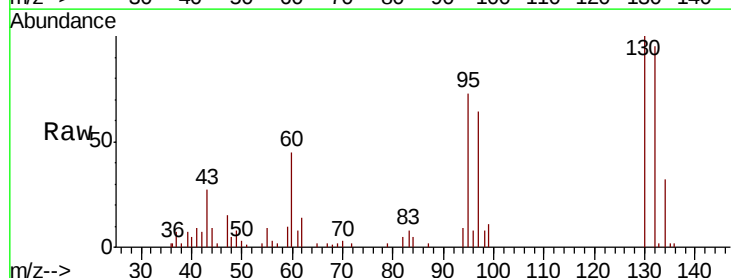
Acq: 15 Jan 2019 14:30

Tgt Ion: 130 Resp: 22978

Ion Ratio Lower Upper

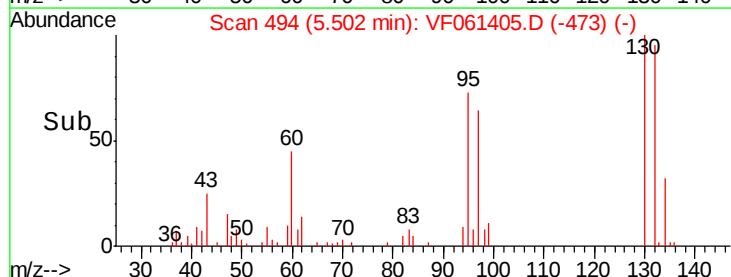
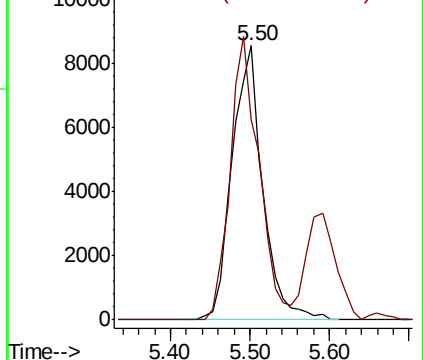
130 100

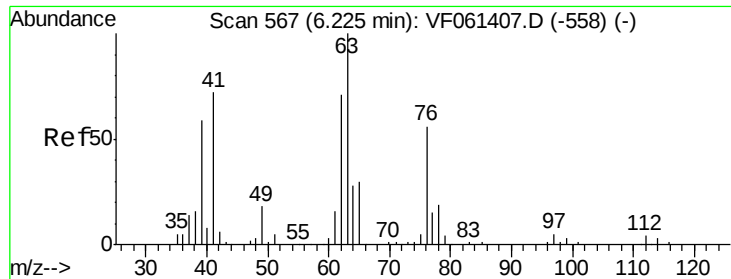
95 73.0 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

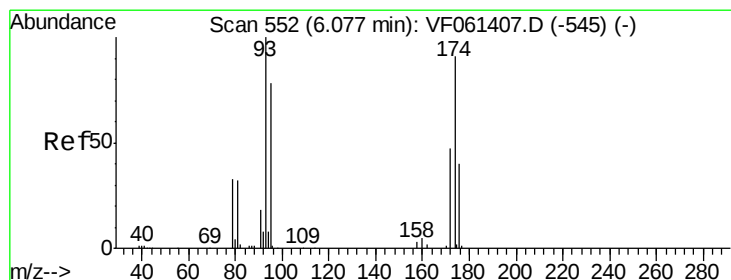
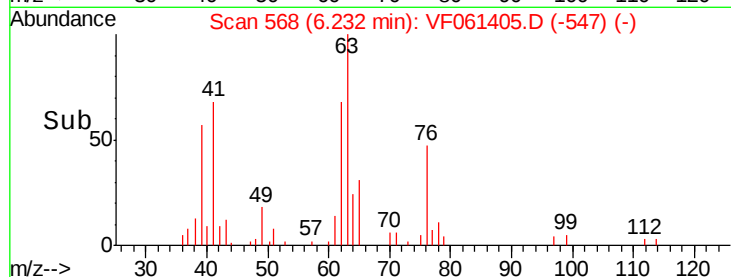
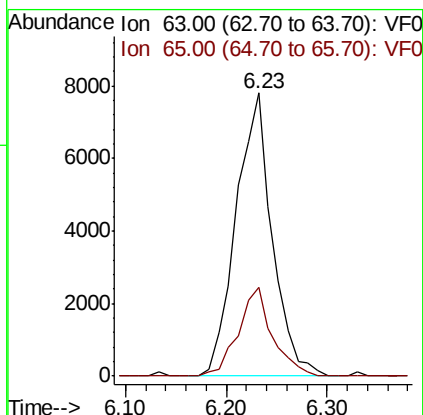
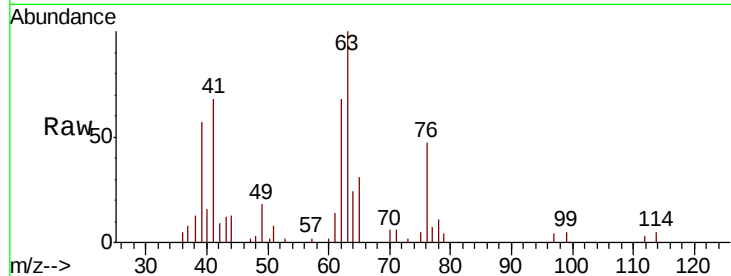




#45
1,2-Dichloropropane
Concen: 10.265 ug/l
RT: 6.23 min Scan# 568
Delta R.T. 0.01 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

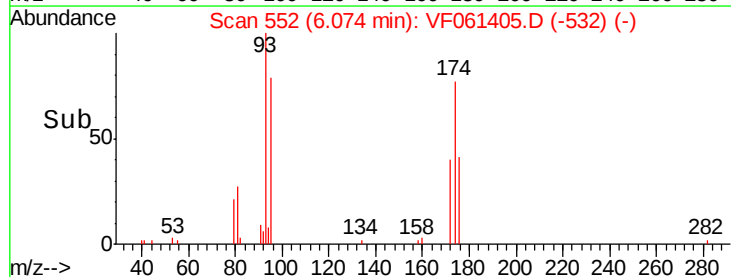
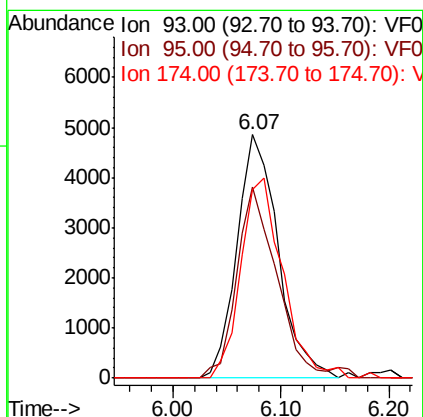
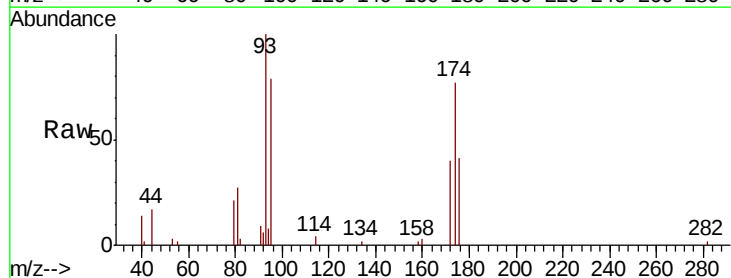
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 63 Resp: 19487
Ion Ratio Lower Upper
63 100
65 31.2 24.4 36.6



#46
Dibromomethane
Concen: 10.322 ug/l
RT: 6.07 min Scan# 552
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion: 93 Resp: 12847
Ion Ratio Lower Upper
93 100
95 78.6 62.1 93.1
174 77.3 74.6 111.8





#47

Bromodichloromethane

Concen: 9.837 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

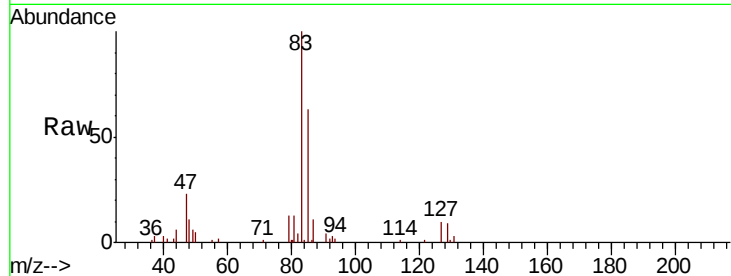
Tgt Ion: 83 Resp: 29957

Ion Ratio Lower Upper

83 100

85 63.3 53.0 79.4

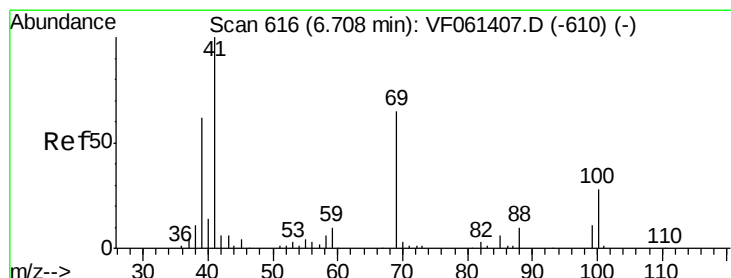
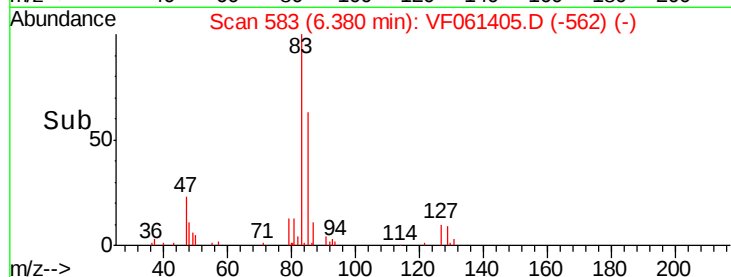
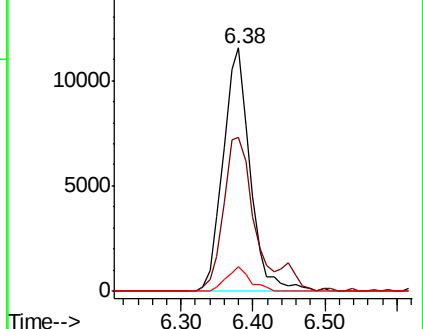
127 10.4 6.9 10.3#



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: 10.123 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

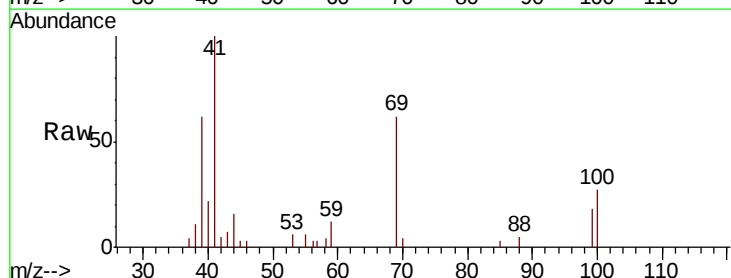
Tgt Ion: 41 Resp: 10835

Ion Ratio Lower Upper

41 100

69 61.6 51.7 77.5

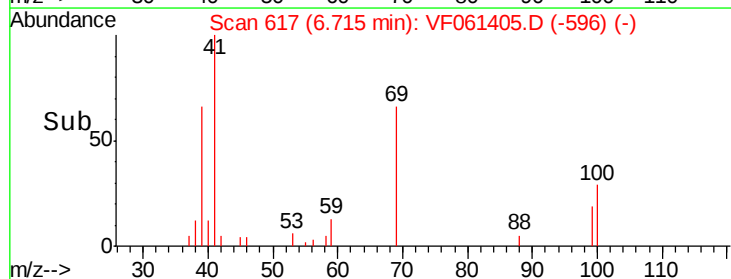
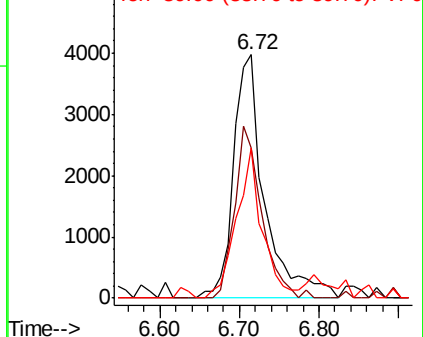
39 61.7 49.2 73.8

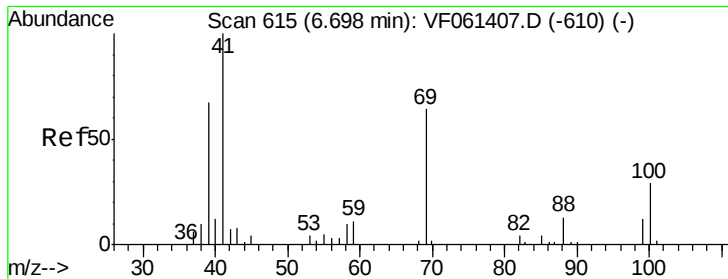


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

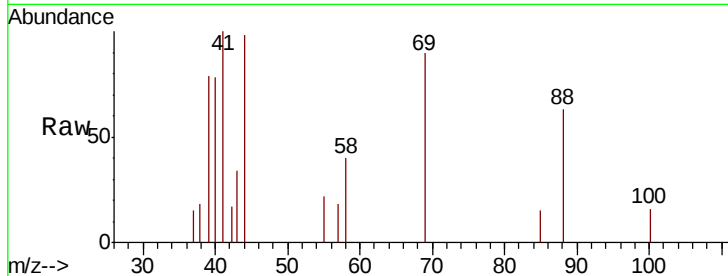




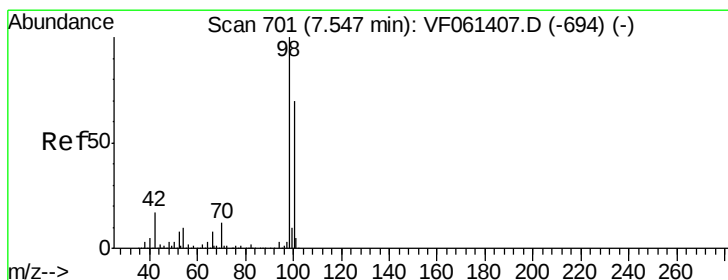
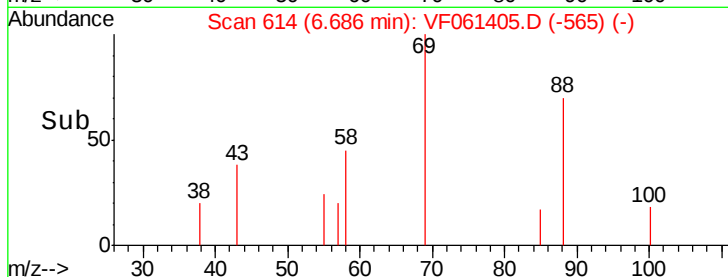
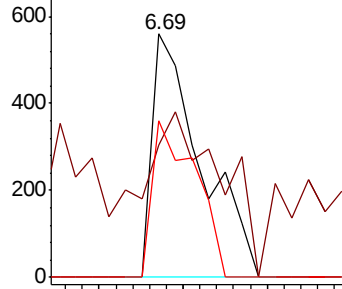
#49
1,4-Dioxane
Concen: 140.340 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 1122
Ion Ratio Lower Upper
88 100
43 54.5 55.5 83.3#
58 64.1 59.9 89.9

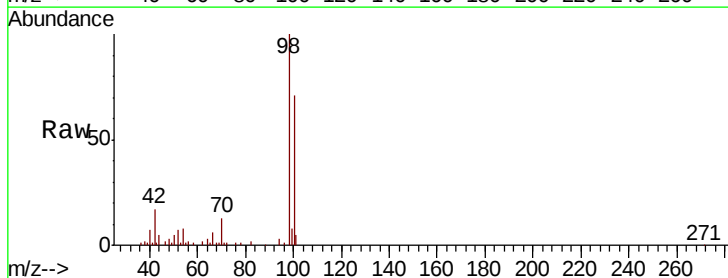


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

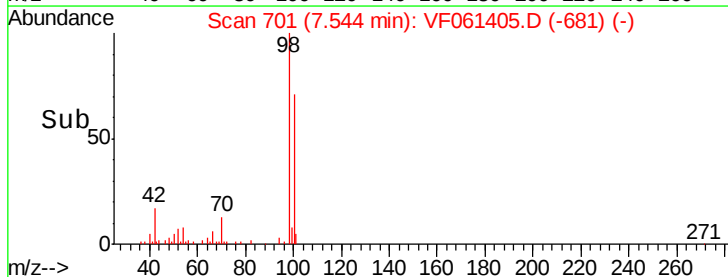
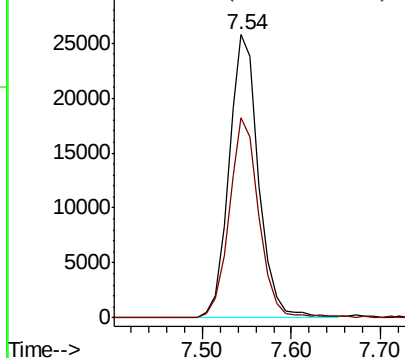


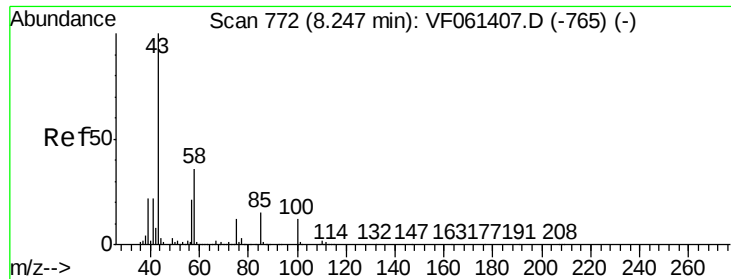
#50
Toluene-d8
Concen: 9.937 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion: 98 Resp: 59793
Ion Ratio Lower Upper
98 100
100 70.7 55.6 83.4



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

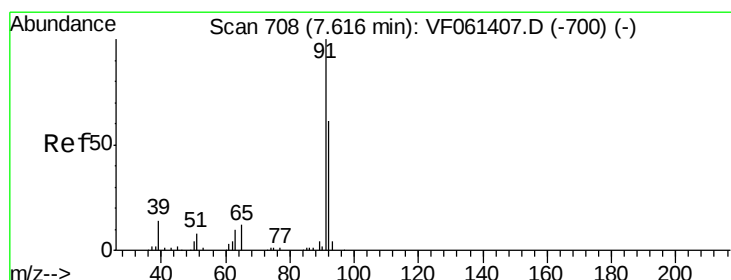
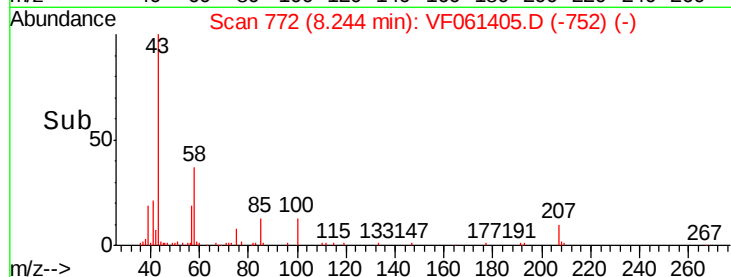
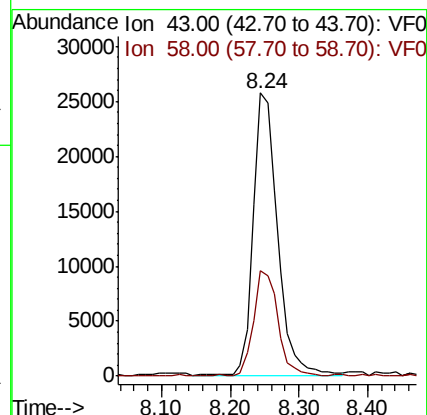
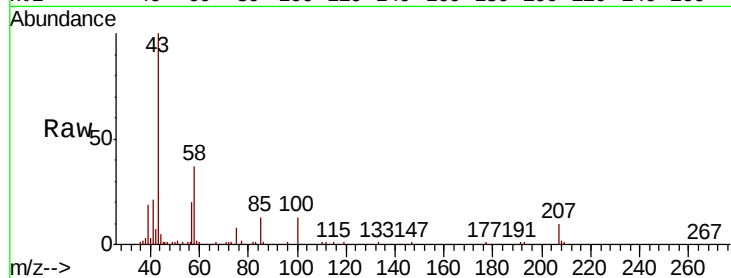




#51
 4-Methyl-2-Pentanone
 Concen: 51.666 ug/l
 RT: 8.24 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

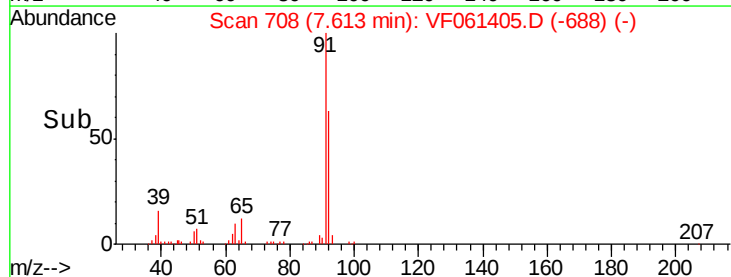
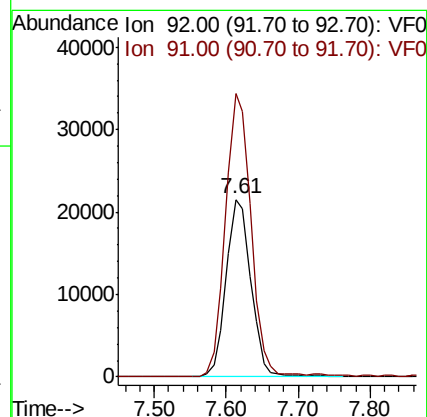
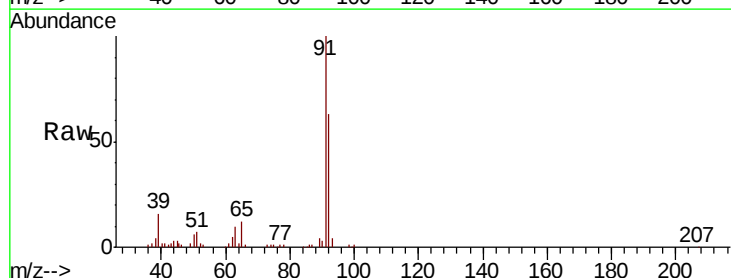
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 43 Resp: 64152
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.8 43.2



#52
 Toluene
 Concen: 10.466 ug/l
 RT: 7.61 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion: 92 Resp: 51470
 Ion Ratio Lower Upper
 92 100
 91 159.6 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 9.231 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

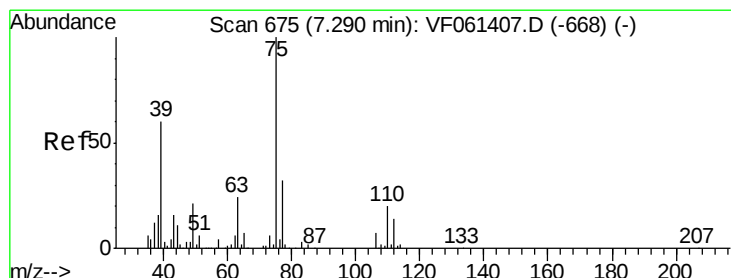
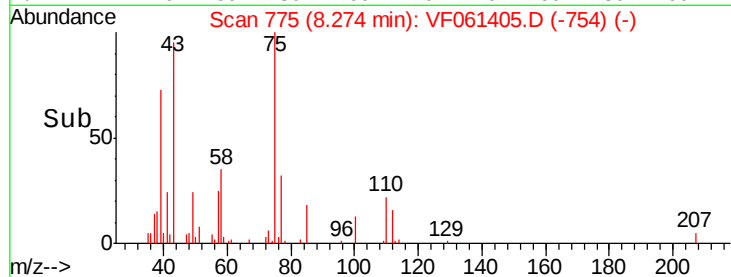
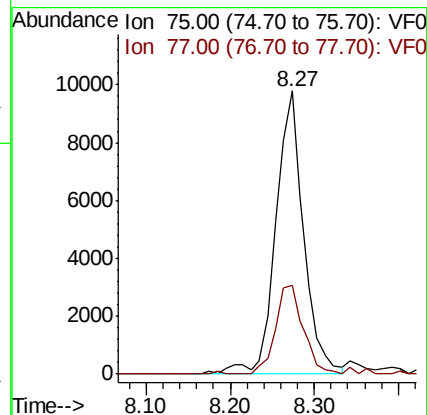
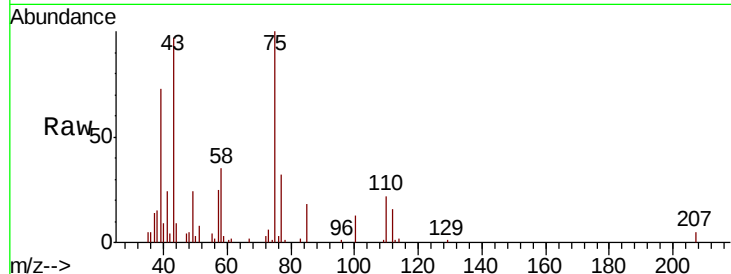
VSTDIC010

Tgt Ion: 75 Resp: 22678

Ion Ratio Lower Upper

75 100

77 31.6 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 9.216 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

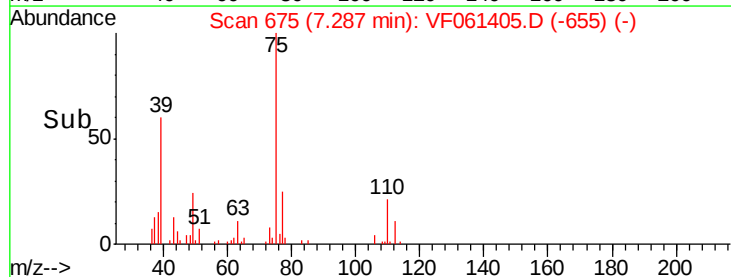
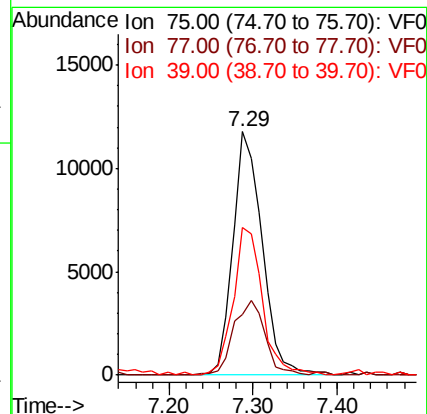
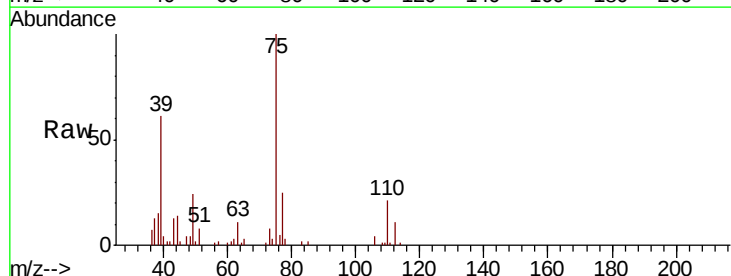
Tgt Ion: 75 Resp: 28479

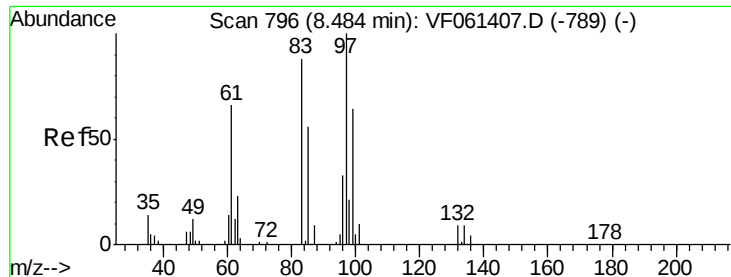
Ion Ratio Lower Upper

75 100

77 24.9 25.4 38.0#

39 60.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 9.688 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 12948

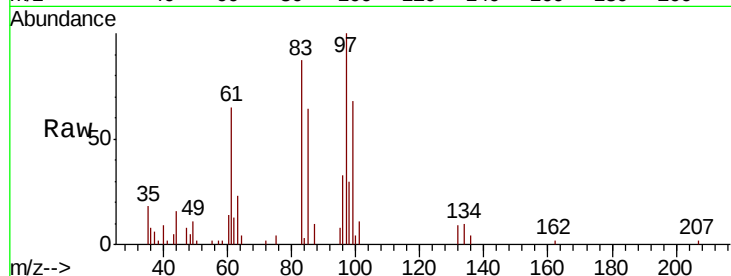
Ion Ratio Lower Upper

97 100

83 86.9 70.4 105.6

85 64.2 44.7 67.1

99 68.1 50.8 76.2

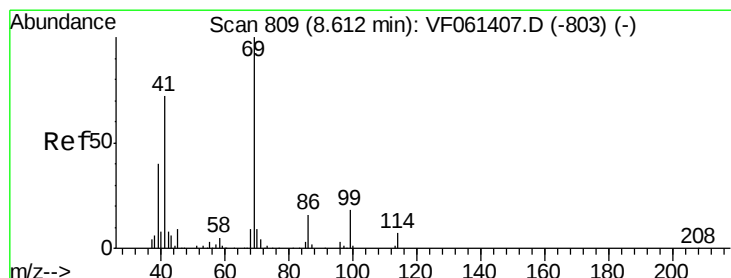
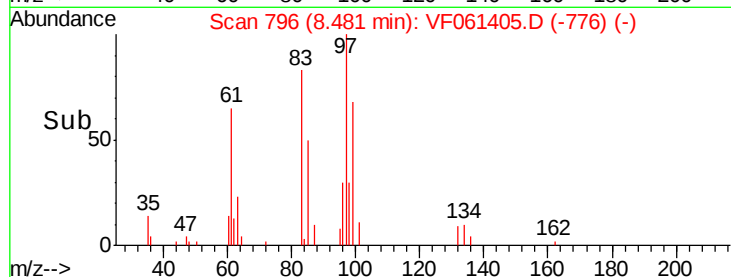
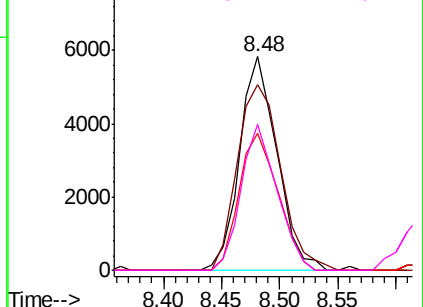


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 9.772 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

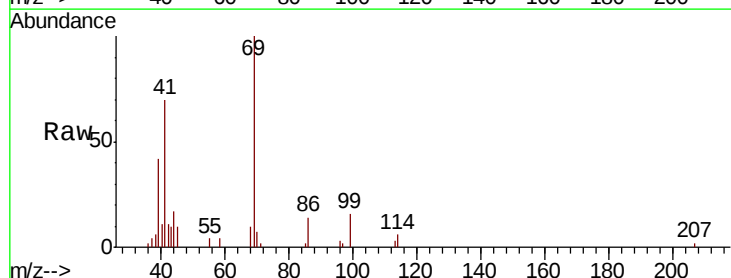
Tgt Ion: 69 Resp: 14968

Ion Ratio Lower Upper

69 100

41 69.6 57.5 86.3

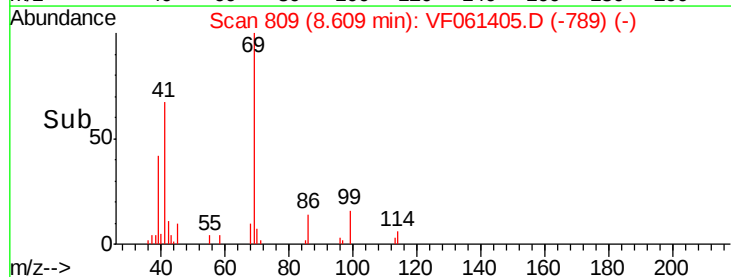
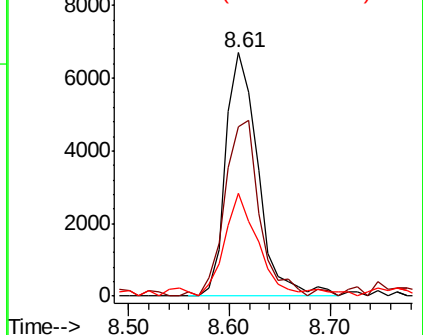
39 42.4 32.0 48.0

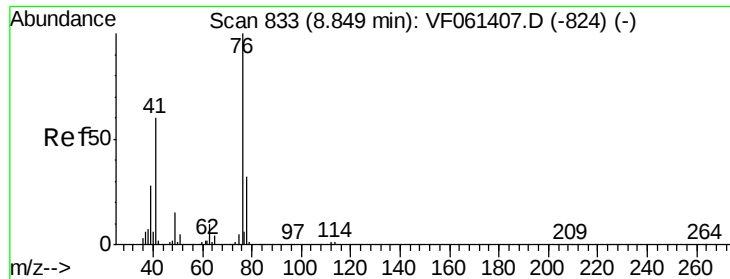


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 9.173 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

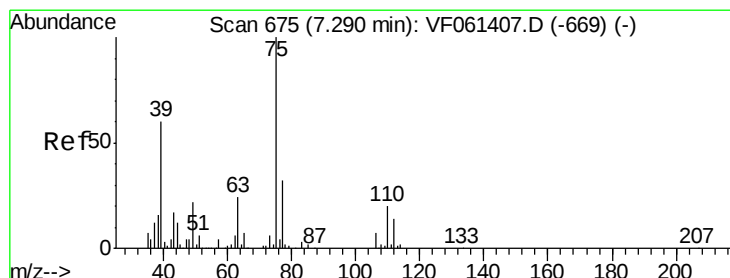
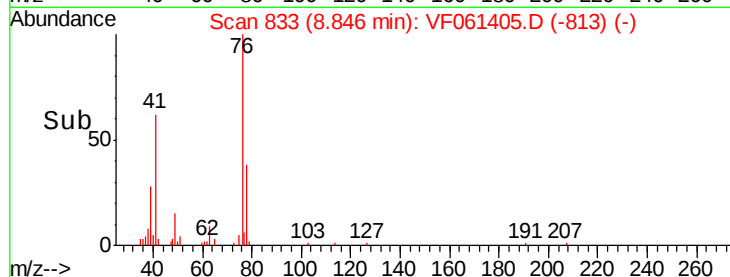
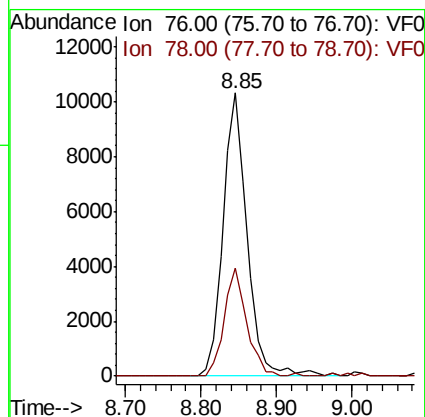
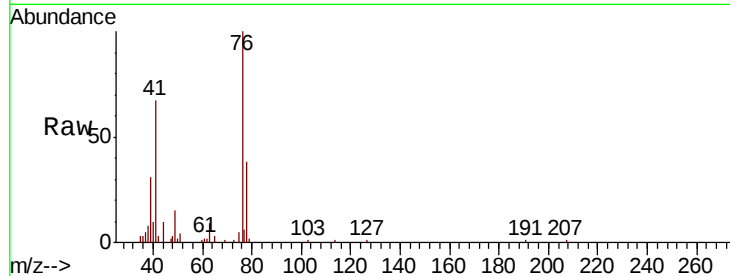
VSTDIC010

Tgt Ion: 76 Resp: 22743

Ion Ratio Lower Upper

76 100

78 38.2 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 32.851 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061405.D

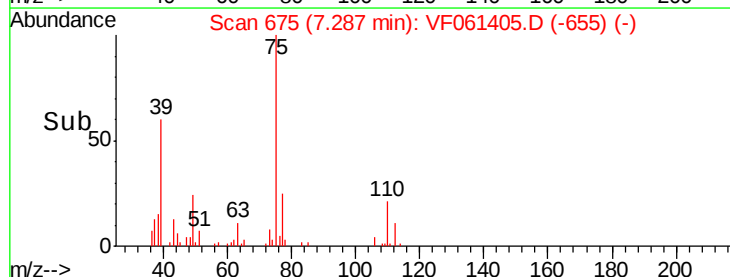
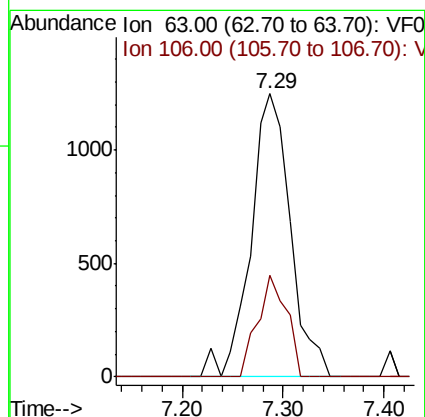
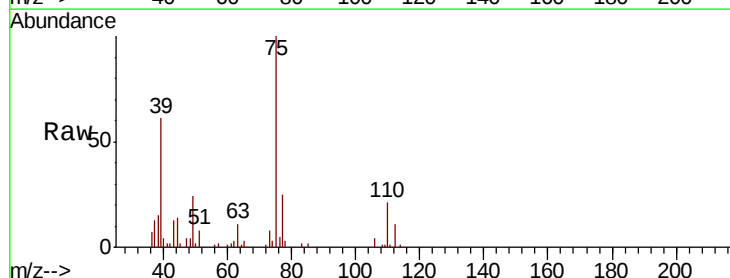
Acq: 15 Jan 2019 14:30

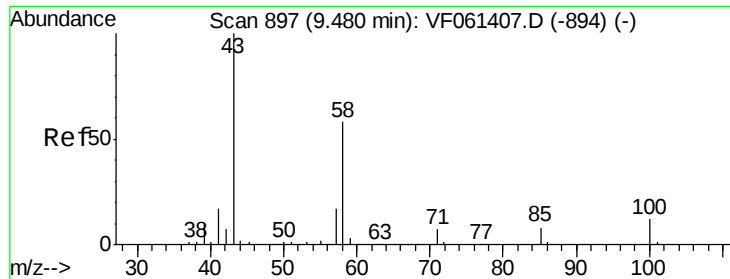
Tgt Ion: 63 Resp: 3404

Ion Ratio Lower Upper

63 100

106 35.9 21.9 32.9#

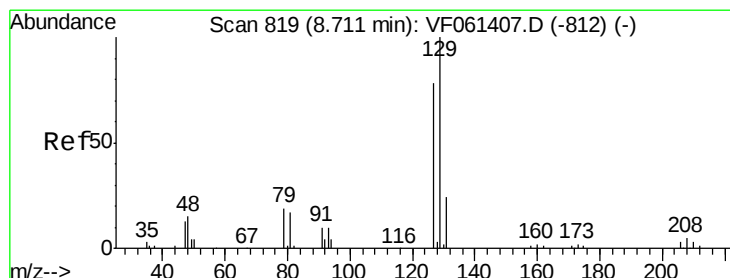
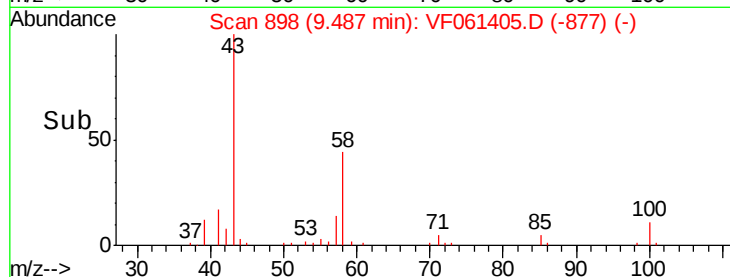
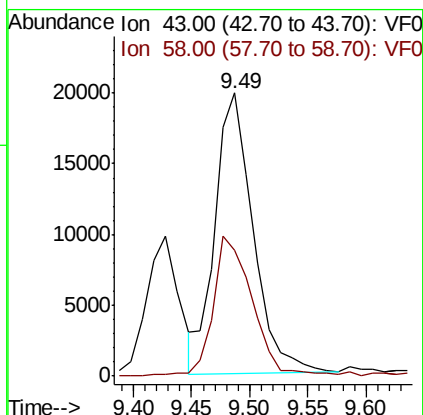
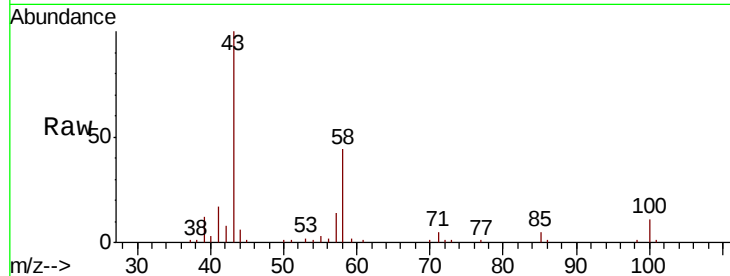




#59
2-Hexanone
Concen: 52.268 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

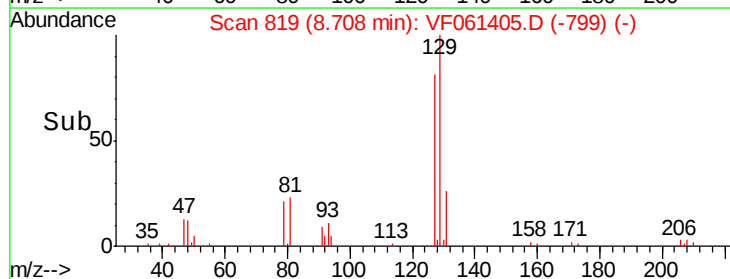
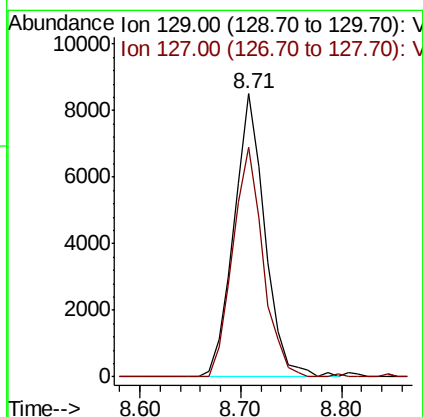
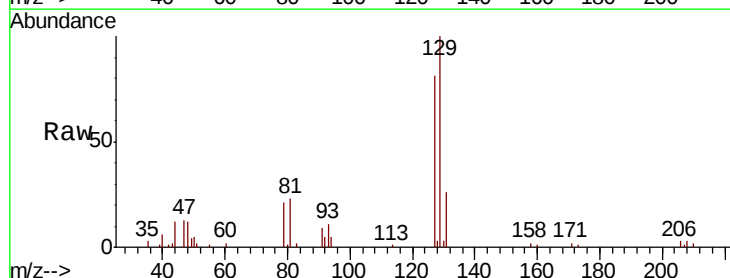
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

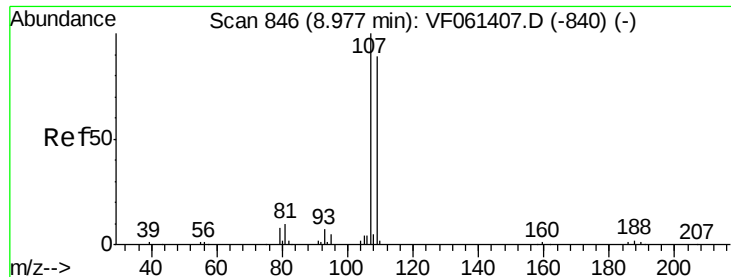
Tgt Ion: 43 Resp: 45174
Ion Ratio Lower Upper
43 100
58 44.4 25.9 77.6



#60
Dibromochloromethane
Concen: 9.556 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion: 129 Resp: 18152
Ion Ratio Lower Upper
129 100
127 81.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 10.104 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

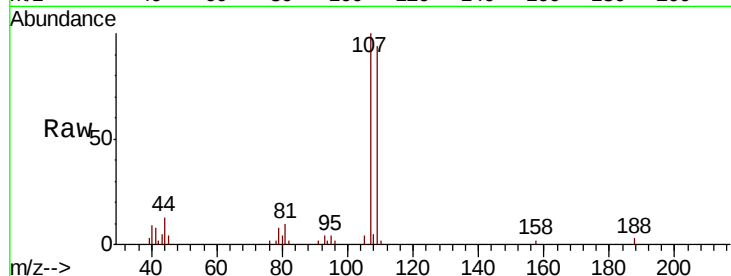
VSTDIC010

Tgt Ion: 107 Resp: 15451

Ion Ratio Lower Upper

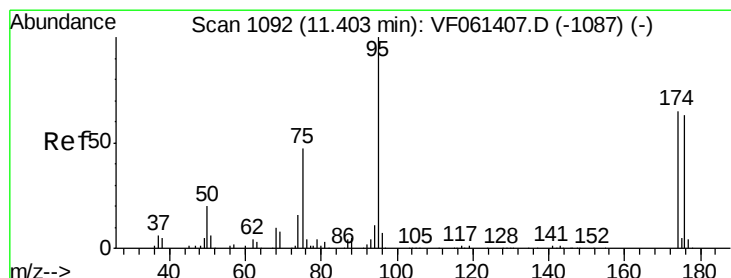
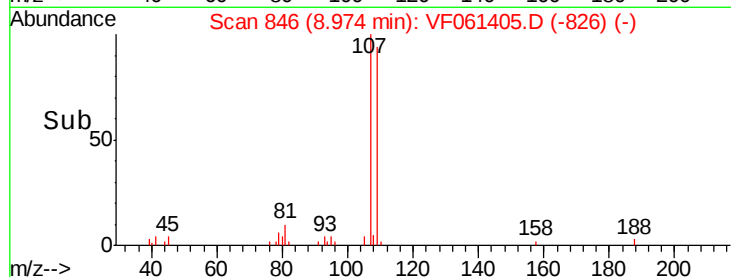
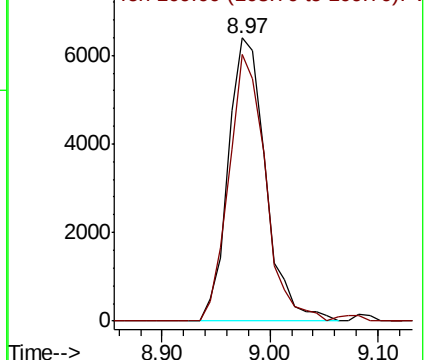
107 100

109 94.0 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 10.597 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

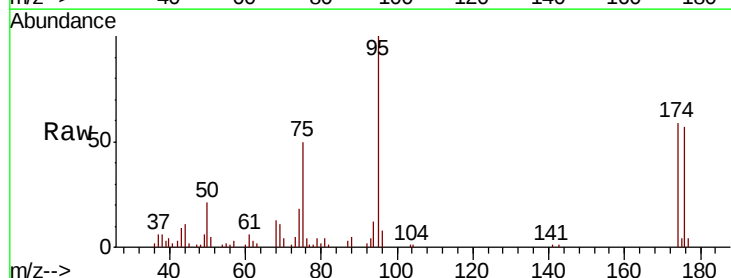
Tgt Ion: 95 Resp: 30806

Ion Ratio Lower Upper

95 100

174 59.1 0.0 130.4

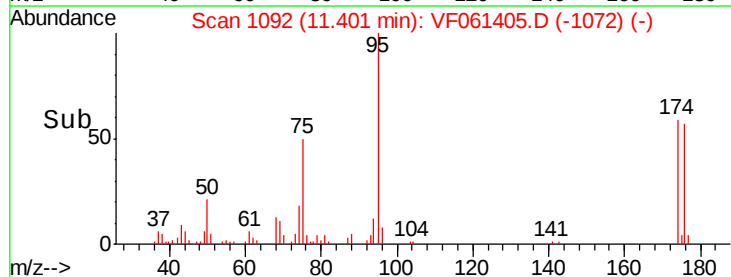
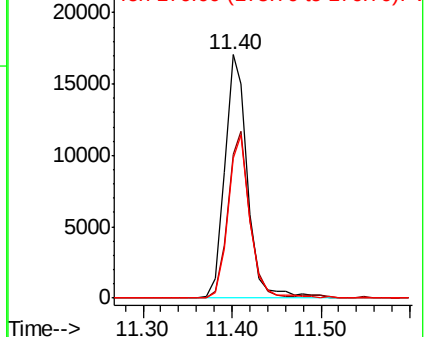
176 57.5 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

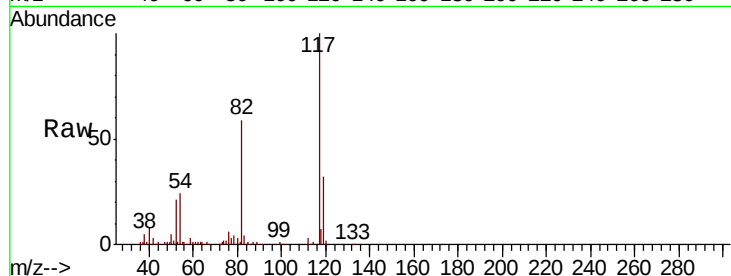




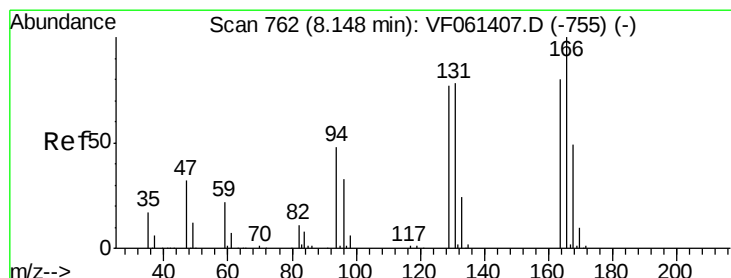
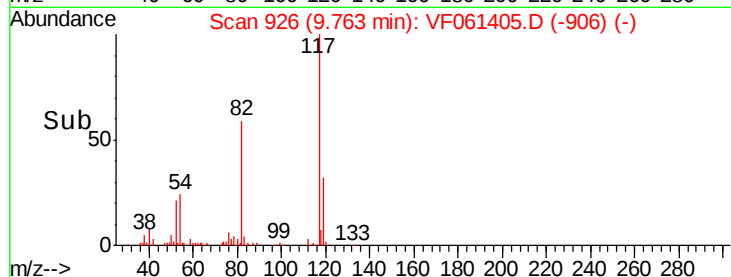
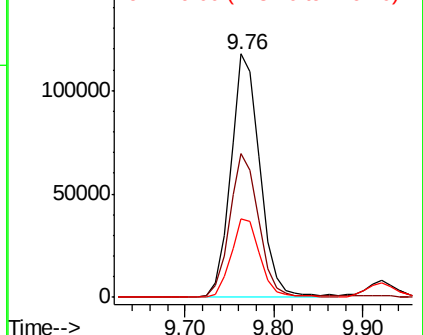
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.4	69.6
119	32.0	27.2	40.8

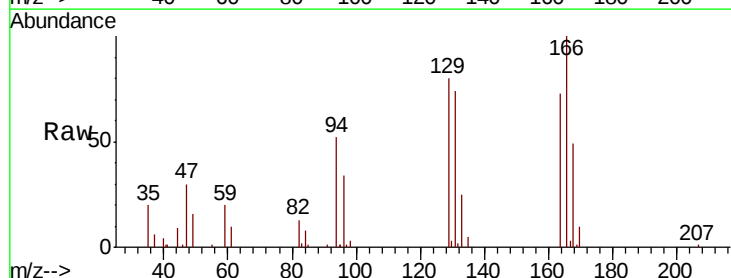


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

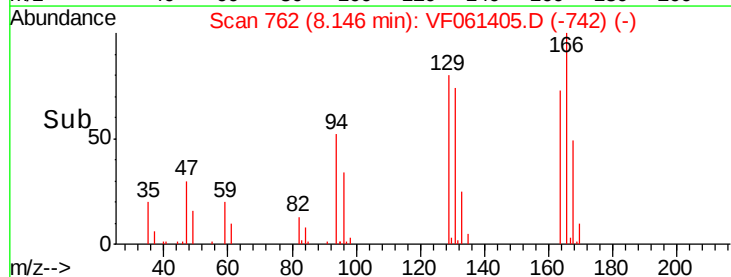
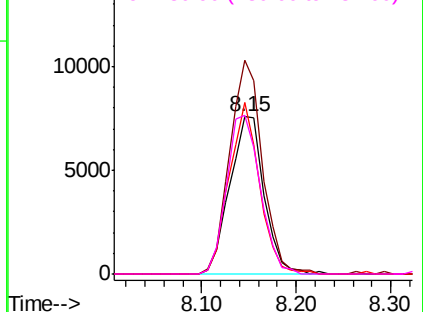


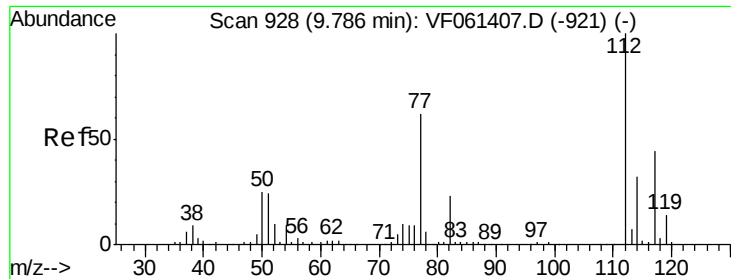
#64
Tetrachloroethene
Concen: 9.265 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.1	99.6	149.4
129	109.2	76.4	114.6
131	100.8	77.9	116.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 9.409 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

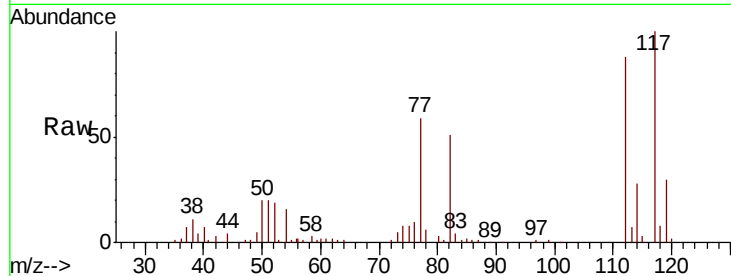
VSTDIC010

Tgt Ion:112 Resp: 53828

Ion Ratio Lower Upper

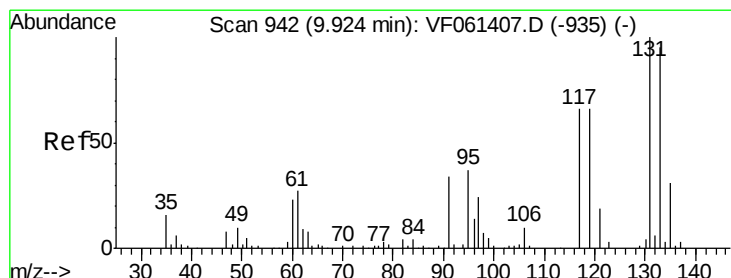
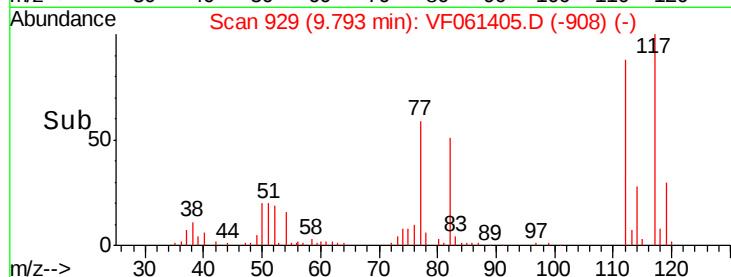
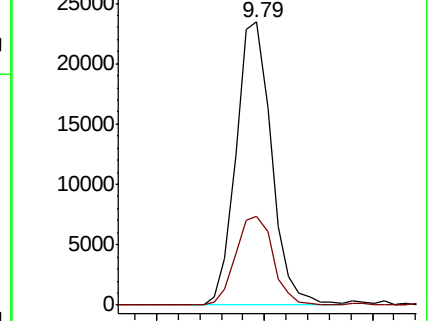
112 100

114 31.2 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.754 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

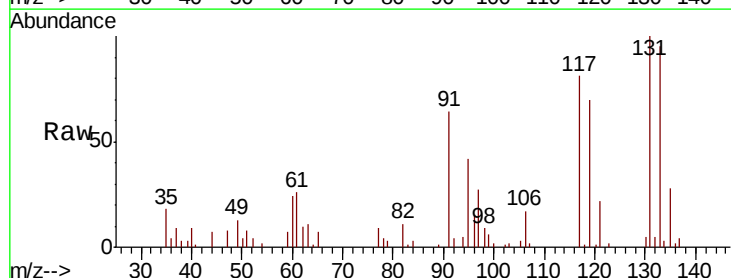
Tgt Ion:131 Resp: 21845

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.2

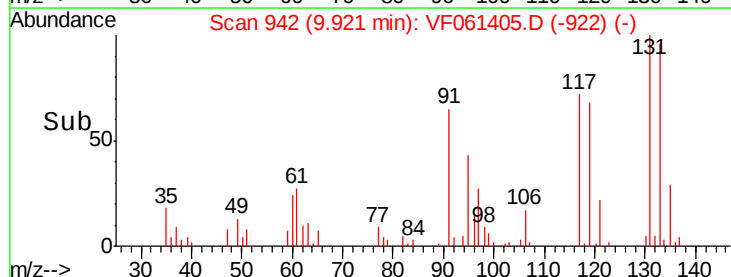
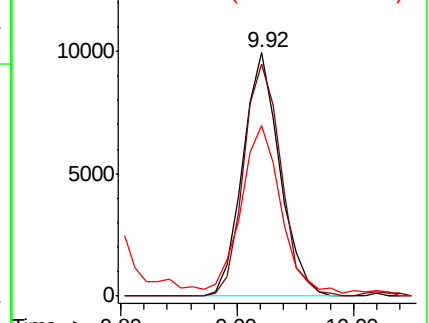
119 69.9 33.1 99.3

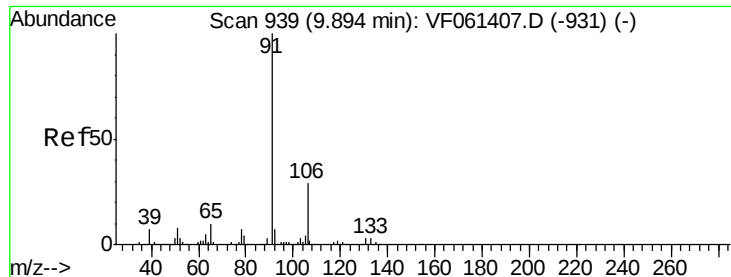


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 9.953 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

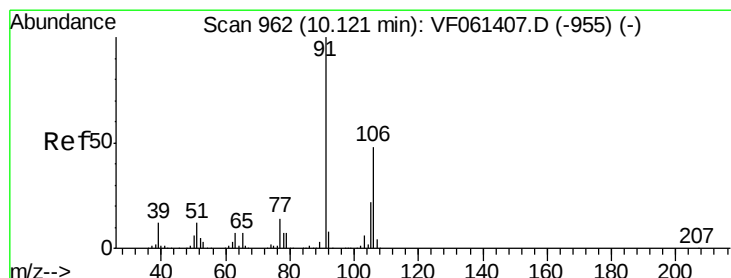
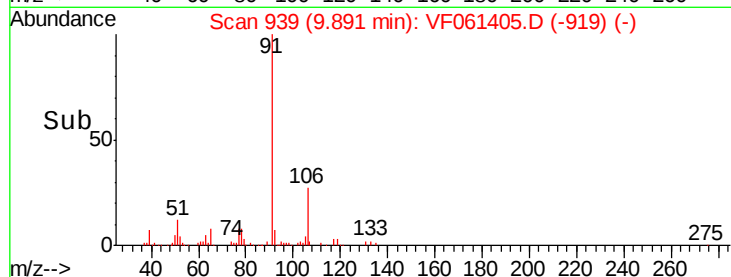
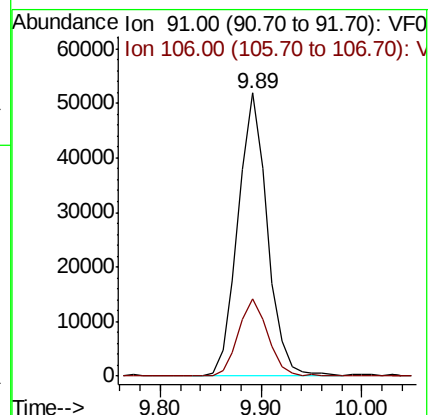
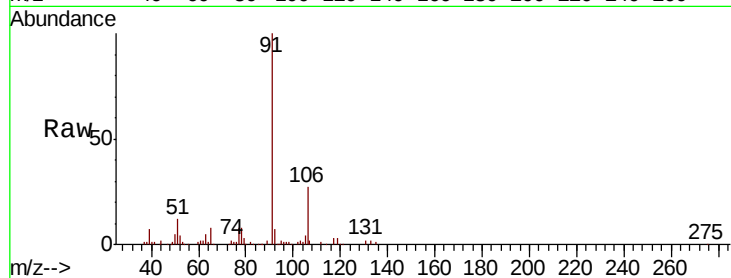
VSTDIC010

Tgt Ion: 91 Resp: 105435

Ion Ratio Lower Upper

91 100

106 27.4 23.1 34.7



#68

m/p-Xylenes

Concen: 20.264 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF061405.D

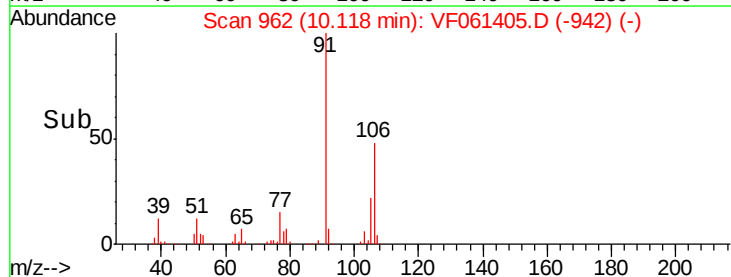
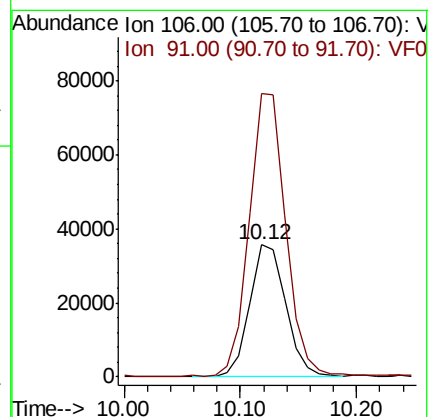
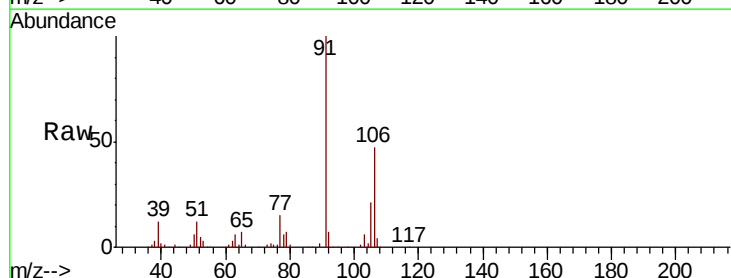
Acq: 15 Jan 2019 14:30

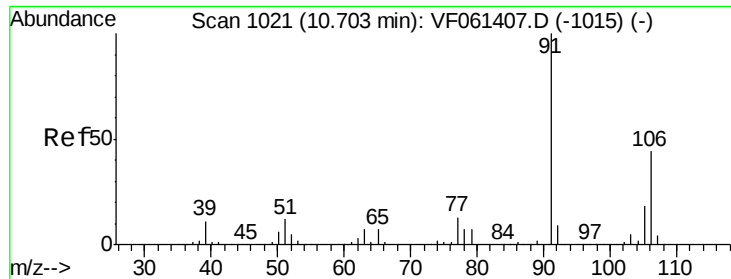
Tgt Ion: 106 Resp: 77439

Ion Ratio Lower Upper

106 100

91 214.6 166.2 249.4

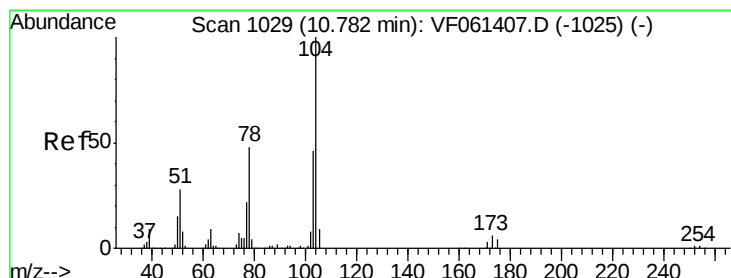
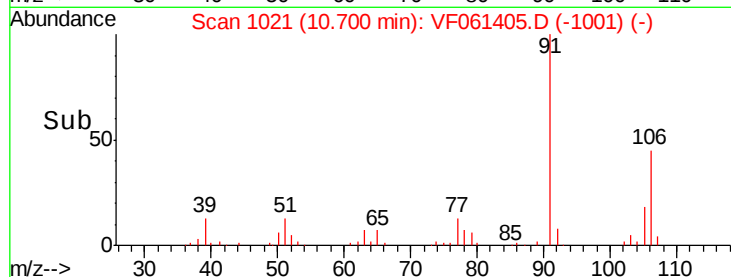
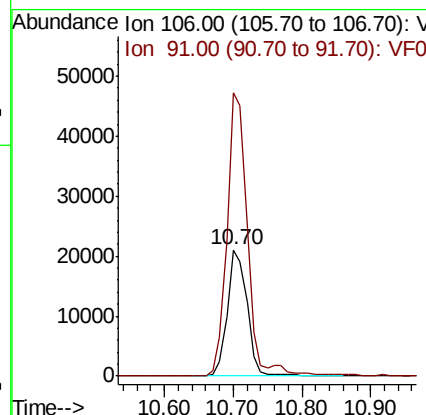
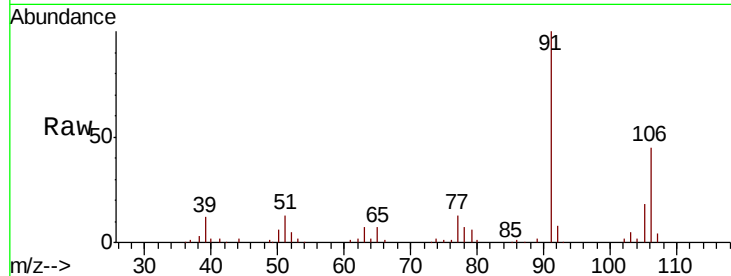




#69
o-Xylene
Concen: 10.360 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

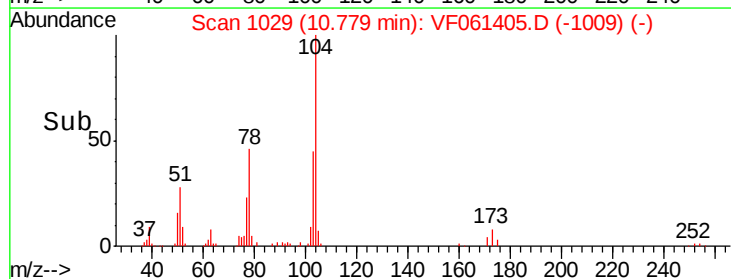
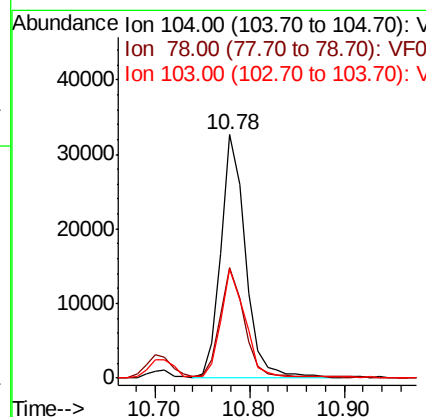
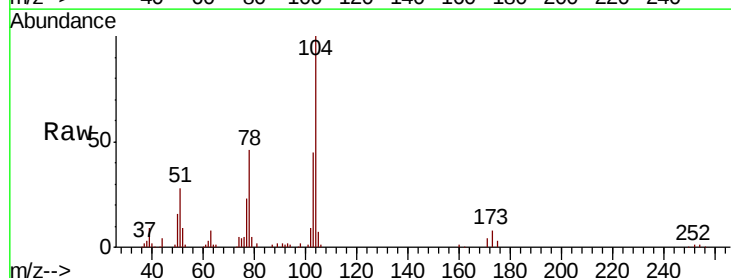
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

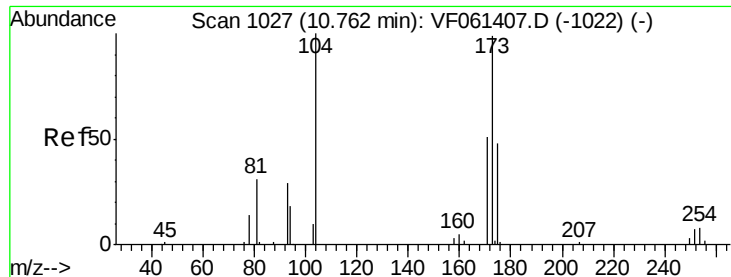
Tgt Ion:106 Resp: 42288
Ion Ratio Lower Upper
106 100
91 224.5 113.3 339.8



#70
Styrene
Concen: 10.498 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion:104 Resp: 59479
Ion Ratio Lower Upper
104 100
78 45.6 38.8 58.2
103 45.0 37.0 55.6





#71

Bromoform

Concen: 10.028 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

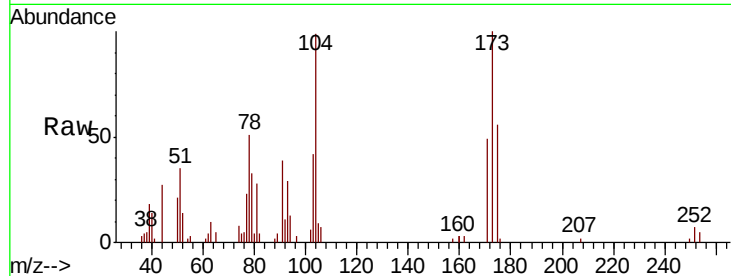
Tgt Ion:173 Resp: 9678

Ion Ratio Lower Upper

173 100

175 58.8 24.1 72.4

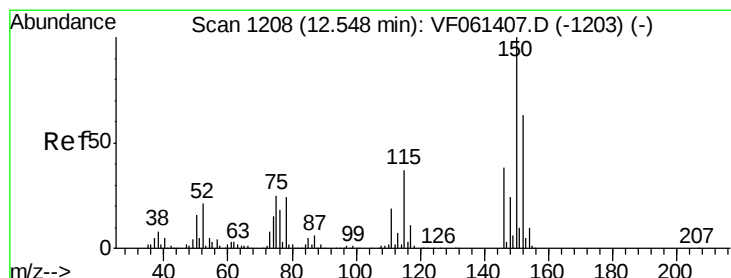
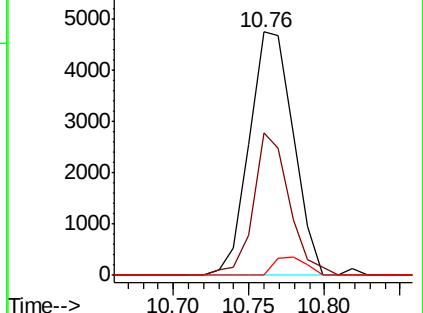
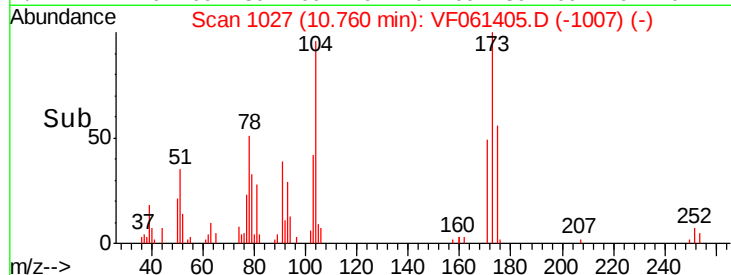
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

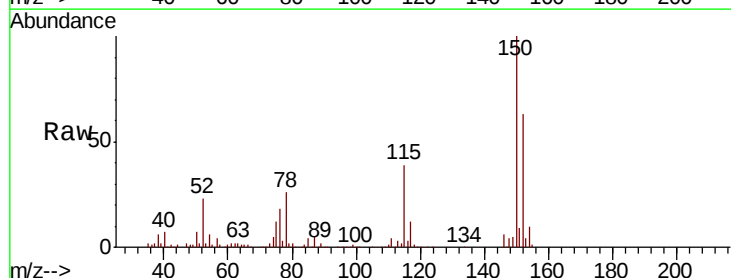
Tgt Ion:152 Resp: 152440

Ion Ratio Lower Upper

152 100

115 62.3 30.0 90.0

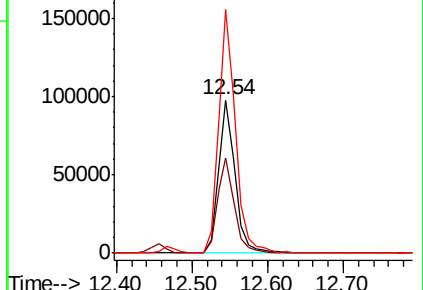
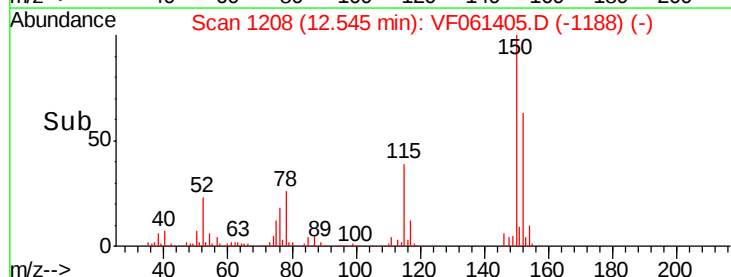
150 159.1 0.0 321.4

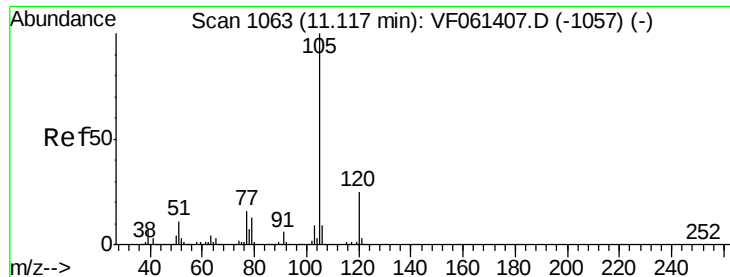


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 9.770 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

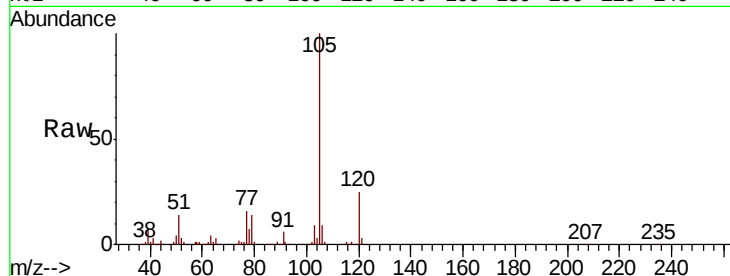
VSTDIC010

Tgt Ion: 105 Resp: 130080

Ion Ratio Lower Upper

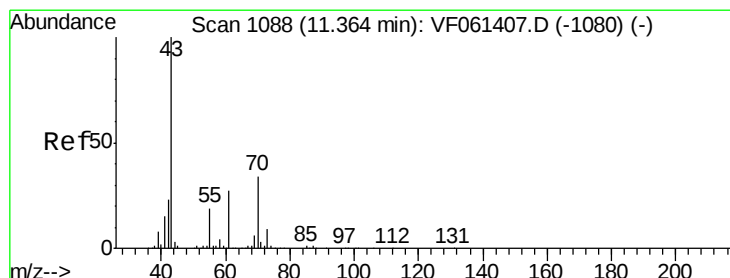
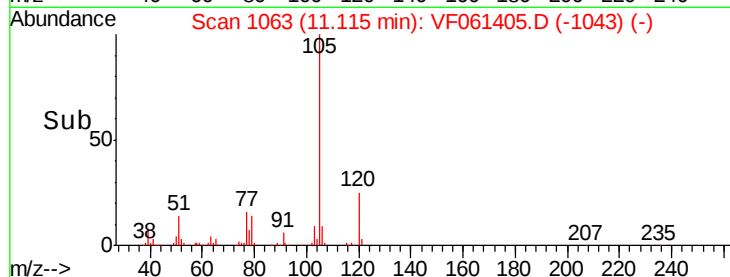
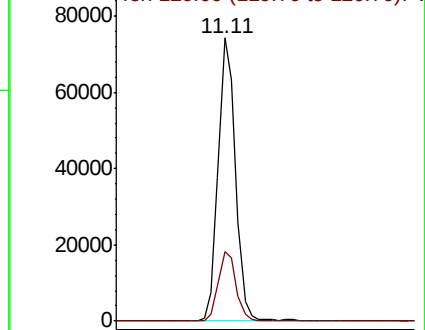
105 100

120 24.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.798 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Tgt Ion: 43 Resp: 29960

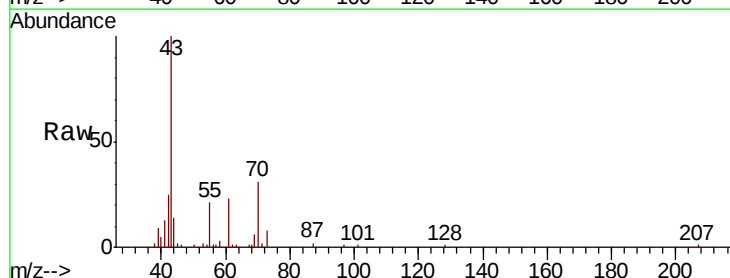
Ion Ratio Lower Upper

43 100

70 30.6 27.6 41.4

55 21.0 15.4 23.2

61 23.0 21.8 32.6

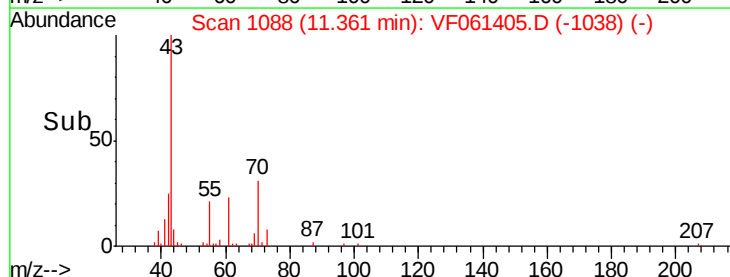
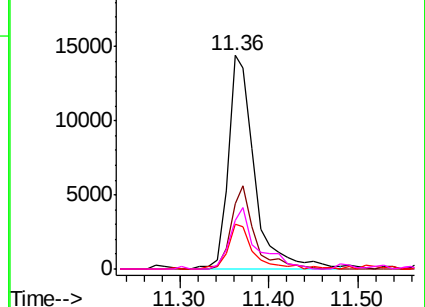


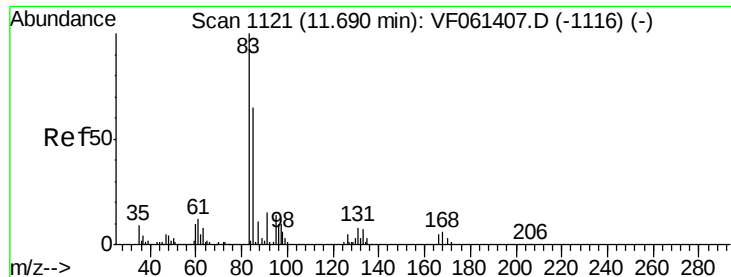
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 9.912 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

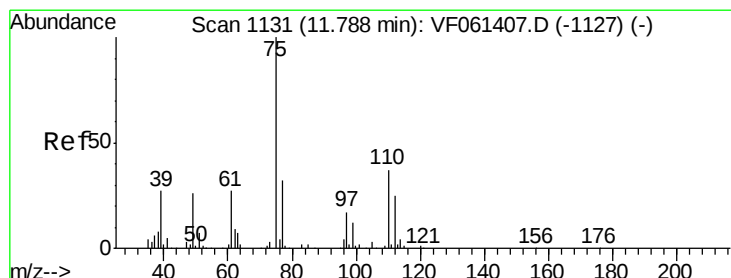
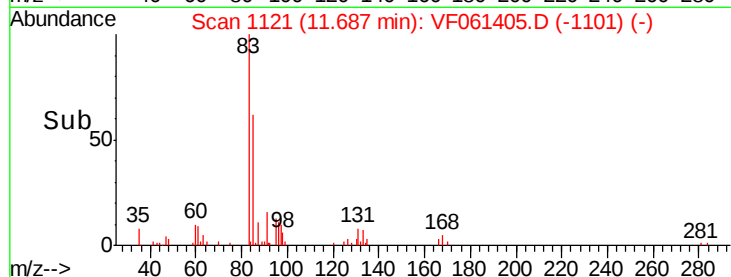
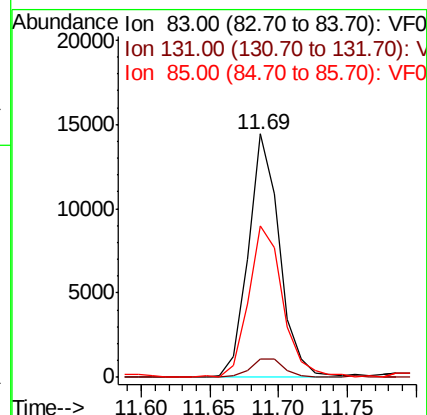
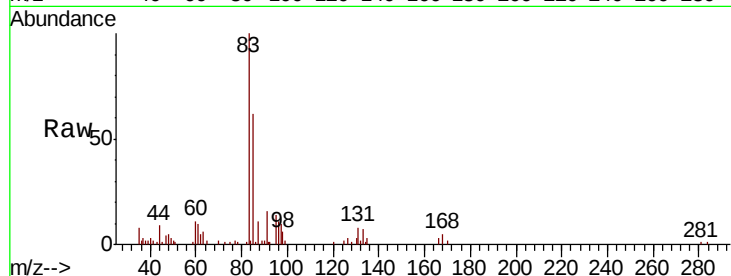
Tgt Ion: 83 Resp: 22953

Ion Ratio Lower Upper

83 100

131 7.5 4.0 12.2

85 62.5 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 9.704 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061405.D

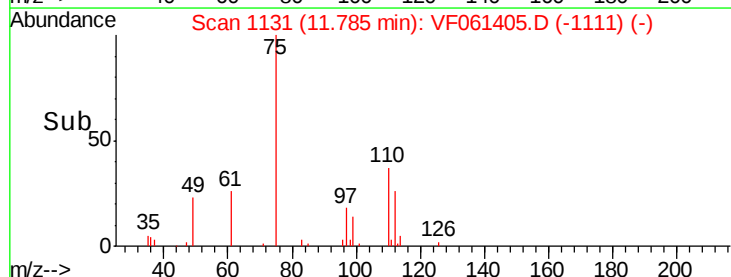
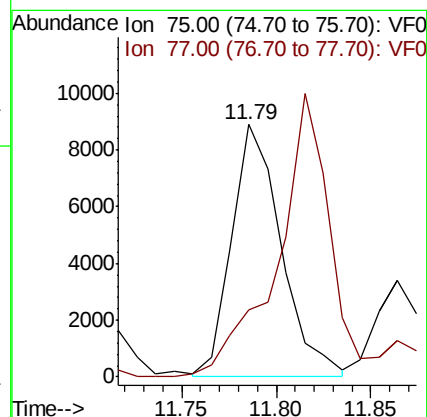
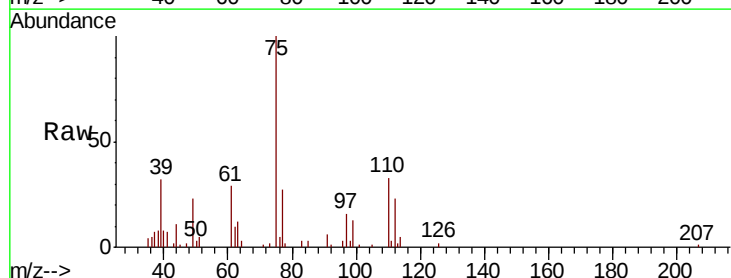
Acq: 15 Jan 2019 14:30

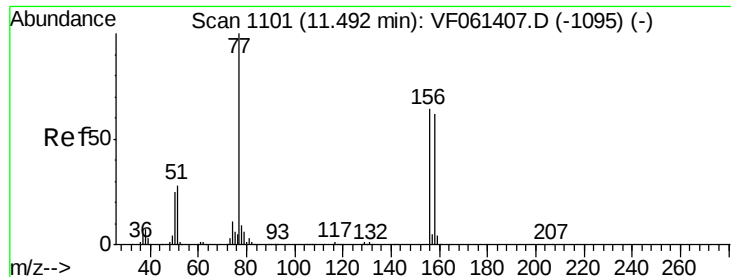
Tgt Ion: 75 Resp: 16151

Ion Ratio Lower Upper

75 100

77 26.8 16.1 48.3





#77

Bromobenzene

Concen: 9.793 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

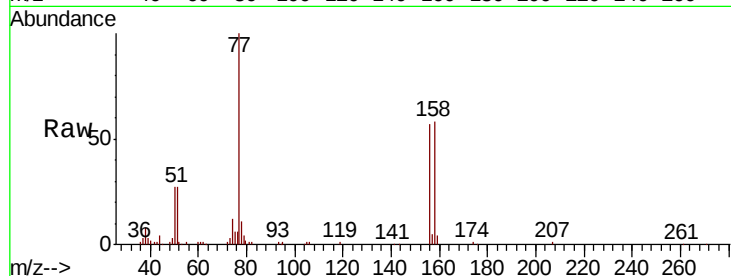
Tgt Ion: 156 Resp: 26614

Ion Ratio Lower Upper

156 100

77 175.1 78.3 234.9

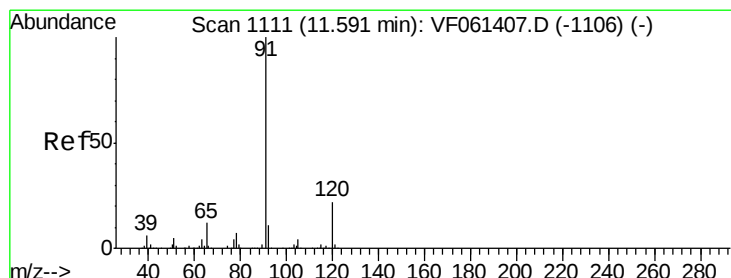
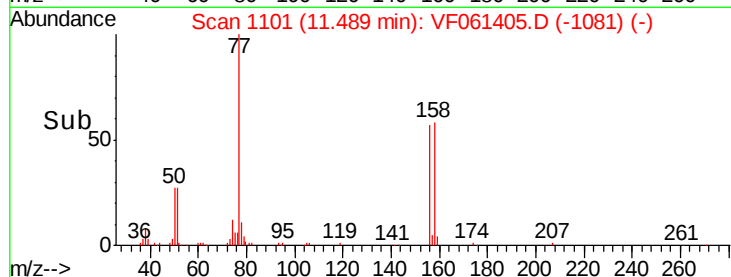
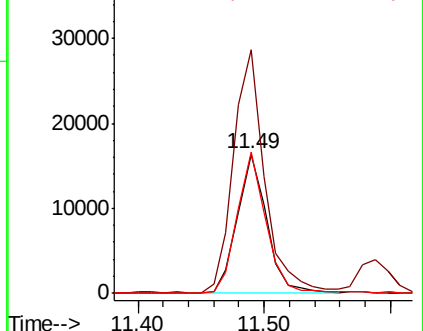
158 102.0 48.9 146.7



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: 10.187 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061405.D

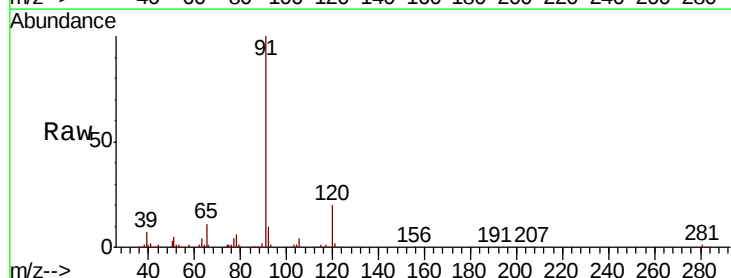
Acq: 15 Jan 2019 14:30

Tgt Ion: 91 Resp: 165233

Ion Ratio Lower Upper

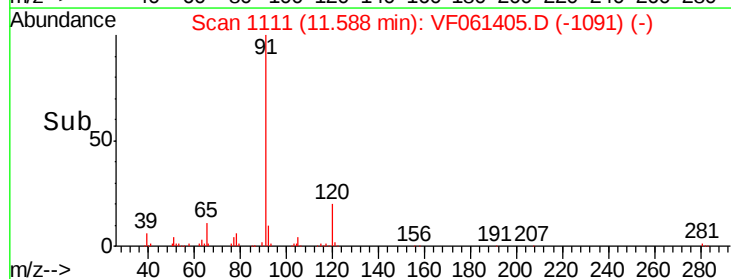
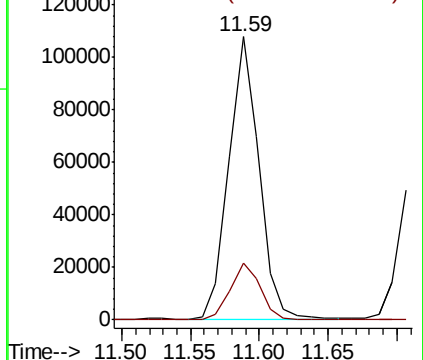
91 100

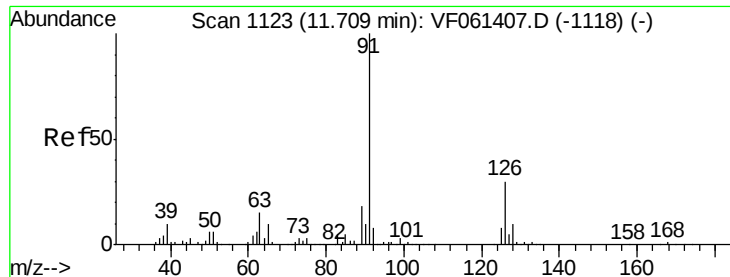
120 20.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

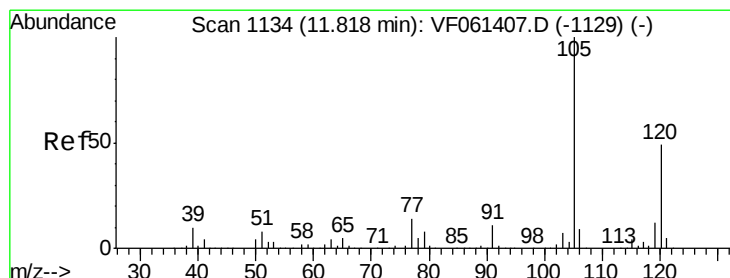
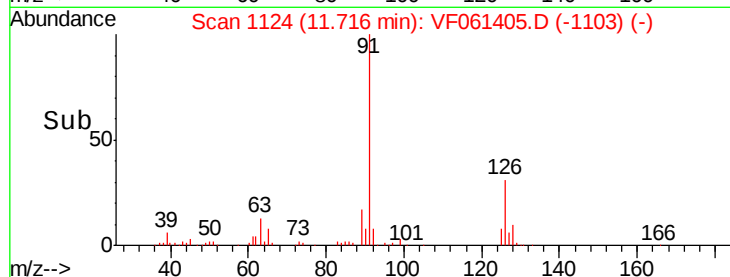
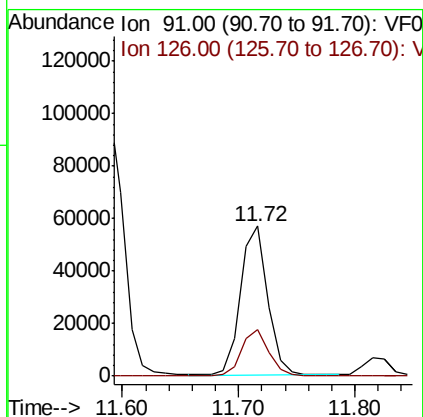
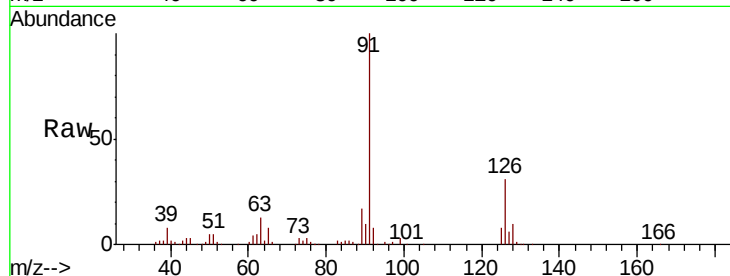




#79
 2-Chlorotoluene
 Concen: 10.035 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

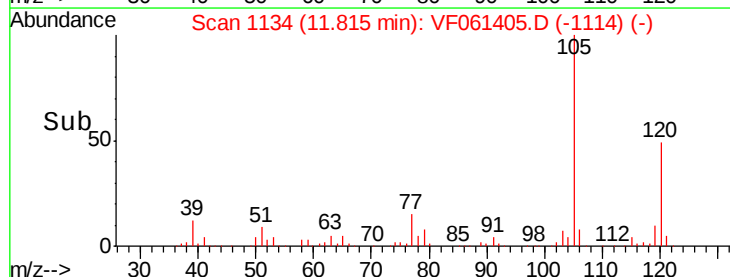
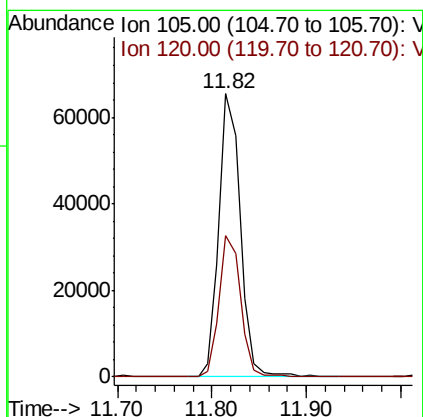
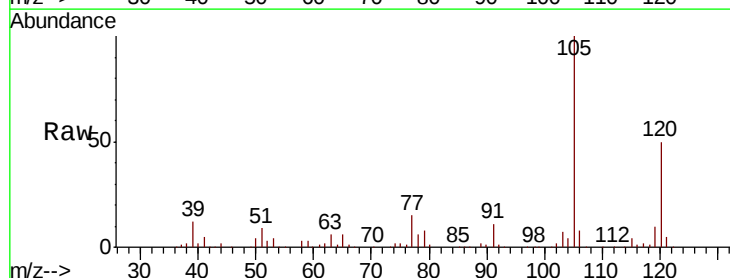
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

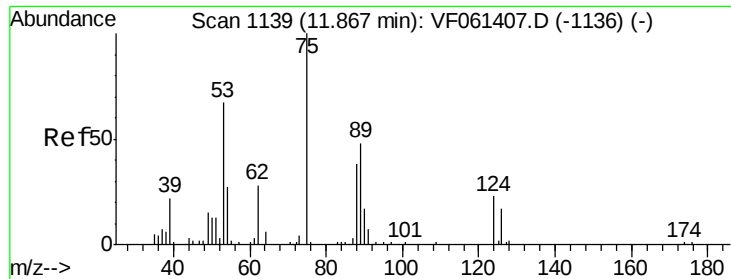
Tgt Ion: 91 Resp: 92498
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 9.751 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion: 105 Resp: 103627
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 9.422 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

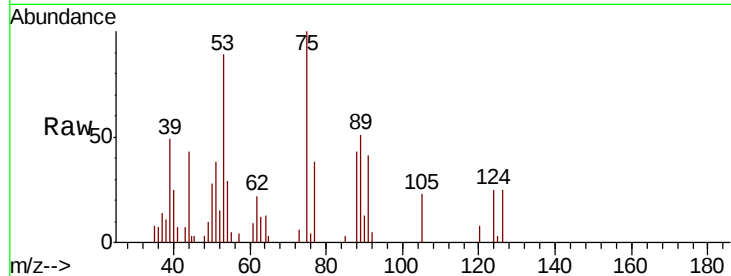
Tgt Ion: 75 Resp: 8274

Ion Ratio Lower Upper

75 100

53 88.5 57.8 86.6#

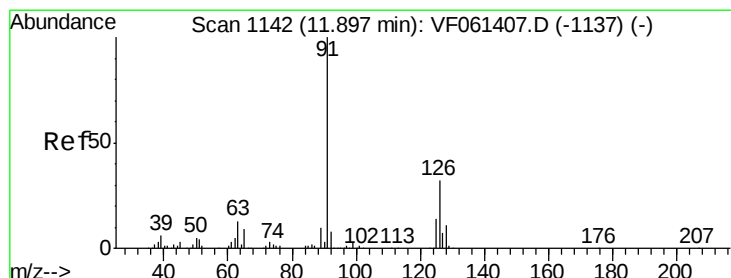
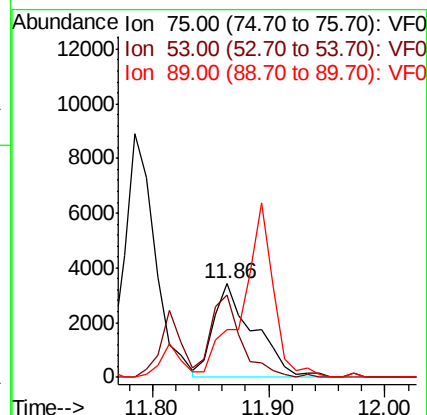
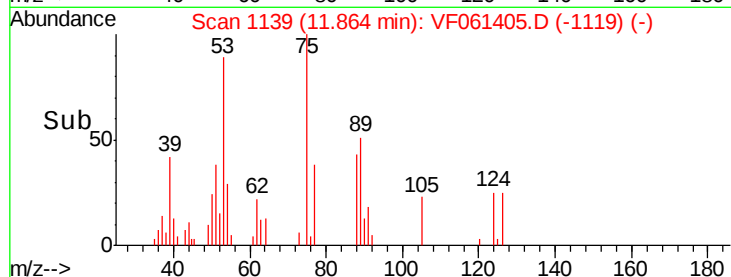
89 51.2 40.7 61.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 9.900 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061405.D

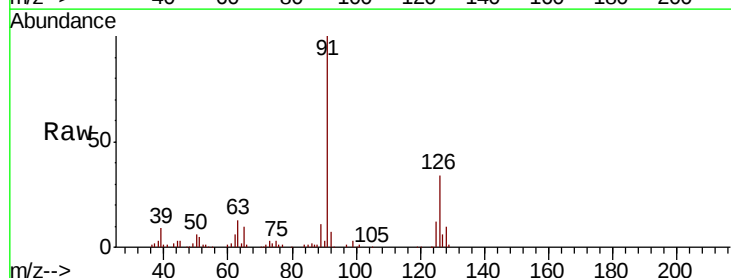
Acq: 15 Jan 2019 14:30

Tgt Ion: 91 Resp: 90388

Ion Ratio Lower Upper

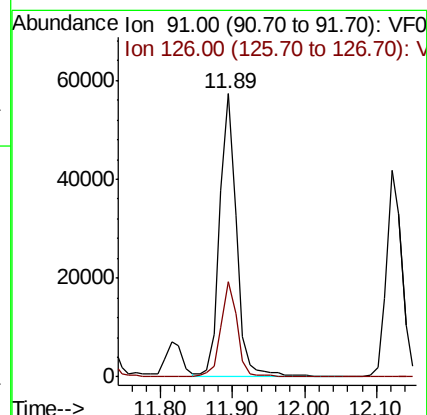
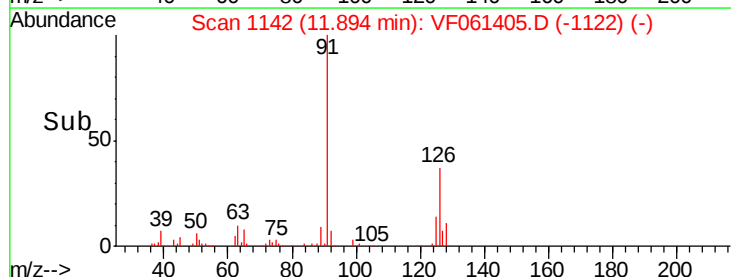
91 100

126 33.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

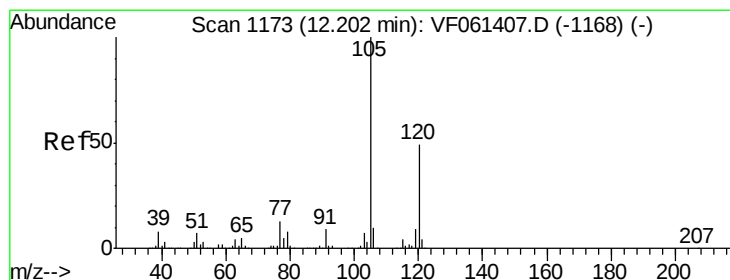
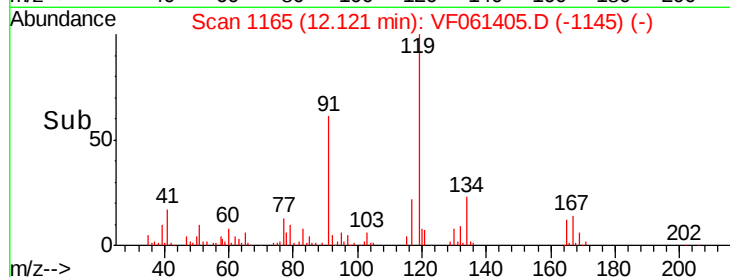
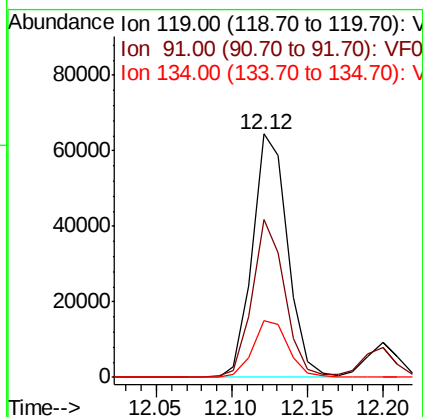
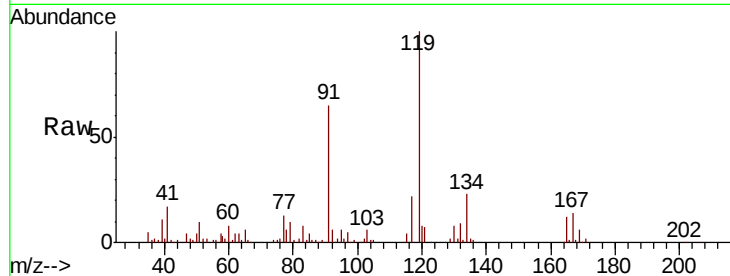




#83
 tert-Butylbenzene
 Concen: 9.512 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

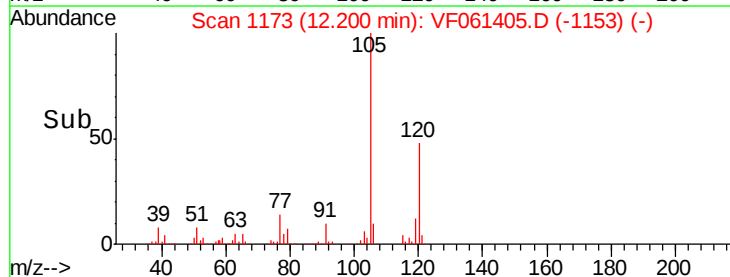
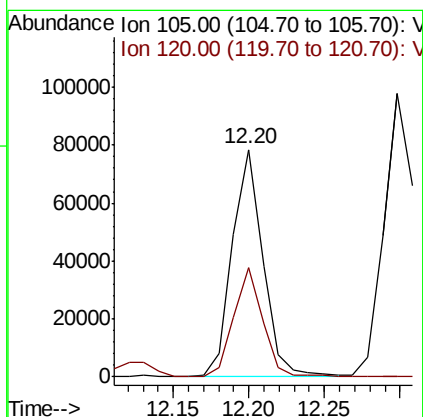
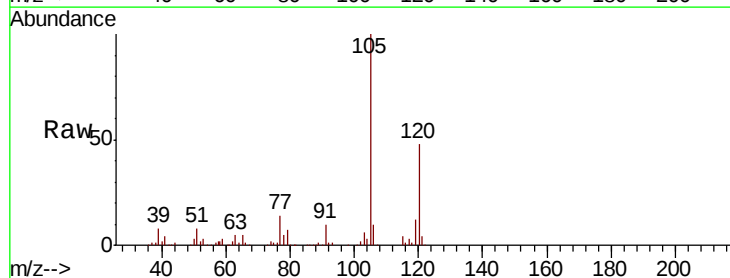
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 105113
 Ion Ratio Lower Upper
 119 100
 91 64.9 31.3 93.8
 134 23.2 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 10.126 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion:105 Resp: 111327
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.9 74.6





#85

sec-Butylbenzene

Concen: 9.679 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampled :

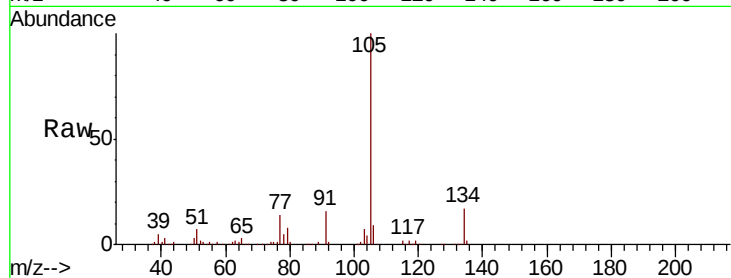
VSTDIC010

Tgt Ion:105 Resp: 145465

Ion Ratio Lower Upper

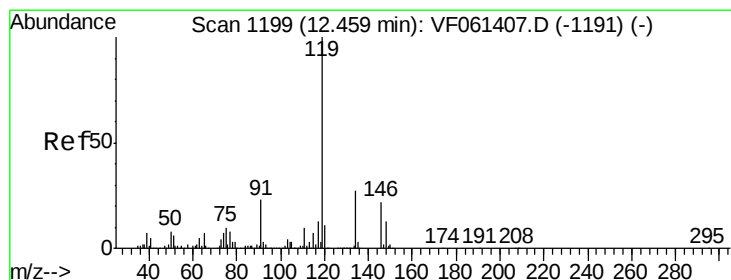
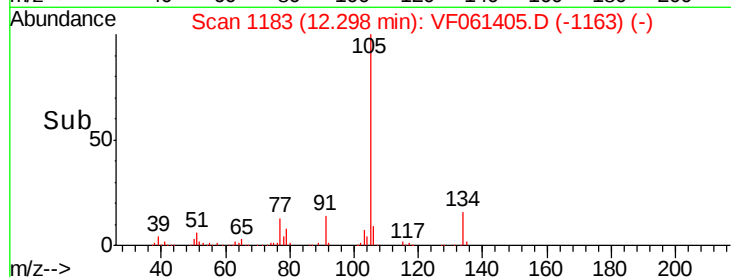
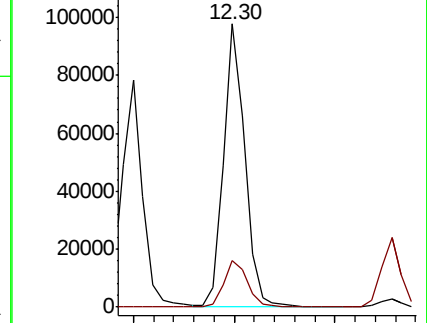
105 100

134 16.6 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.189 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

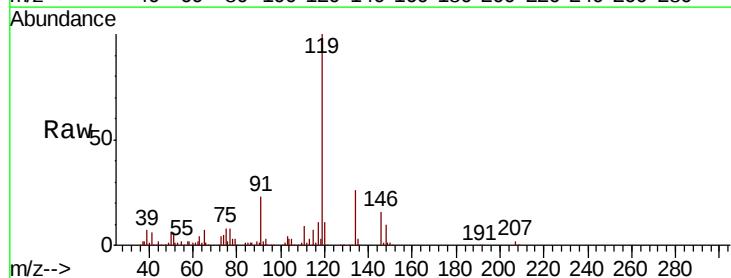
Tgt Ion:119 Resp: 127487

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

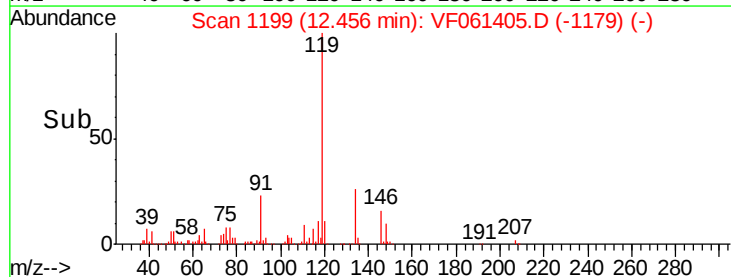
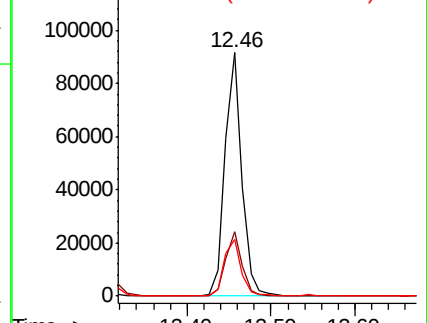
91 23.2 11.4 34.2

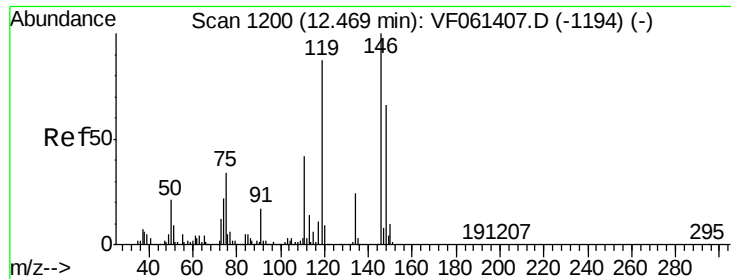


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

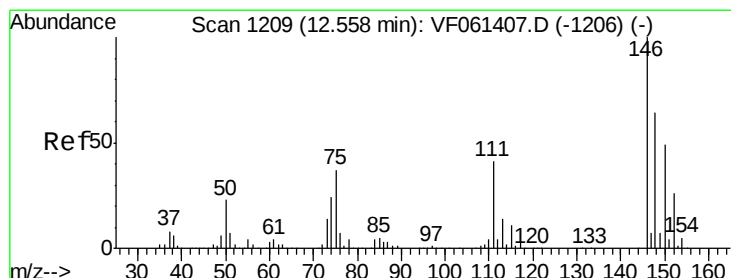
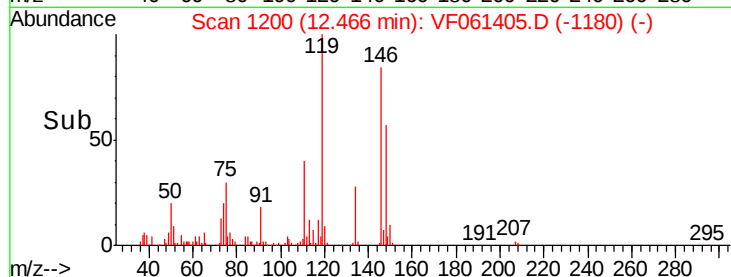
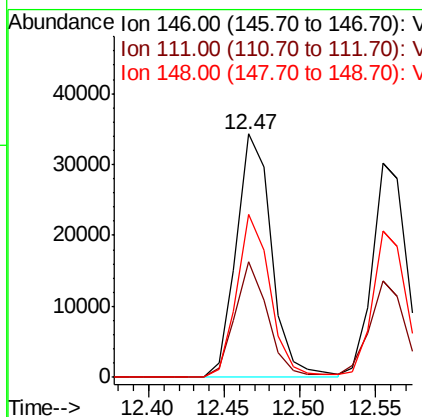
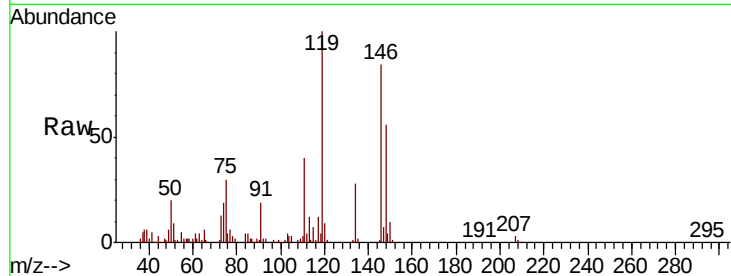




#87
 1,3-Dichlorobenzene
 Concen: 10.000 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

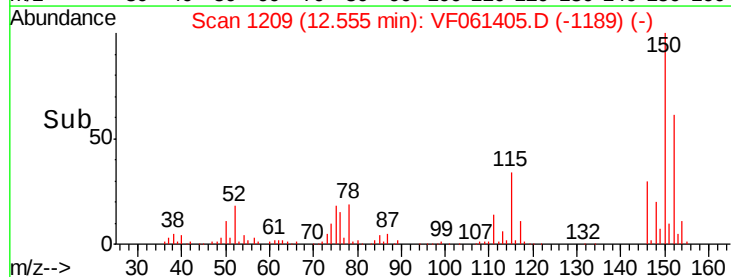
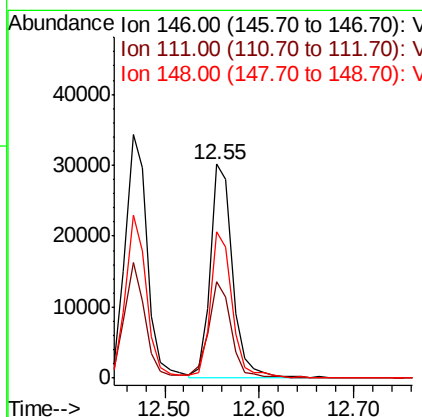
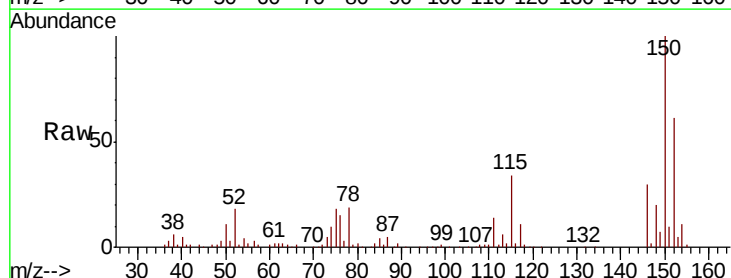
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

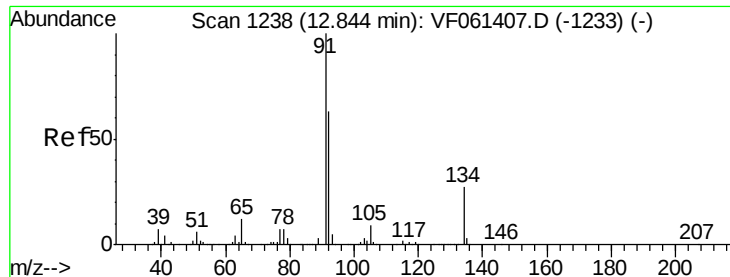
Tgt Ion:146 Resp: 55865
 Ion Ratio Lower Upper
 146 100
 111 47.4 21.1 63.4
 148 67.1 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 9.801 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion:146 Resp: 50158
 Ion Ratio Lower Upper
 146 100
 111 45.3 20.8 62.2
 148 68.5 32.1 96.5





#89

n-Butylbenzene

Concen: 9.996 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061405.D

Acq: 15 Jan 2019 14:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

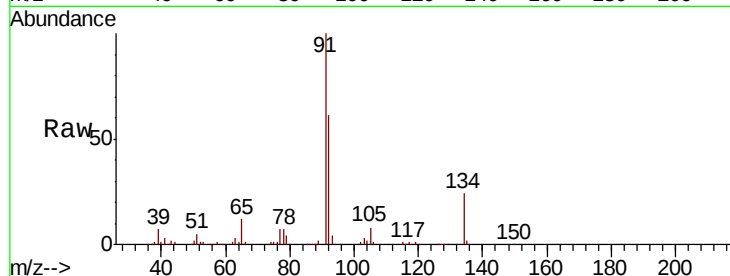
Tgt Ion: 91 Resp: 129263

Ion Ratio Lower Upper

91 100

92 60.7 31.6 94.7

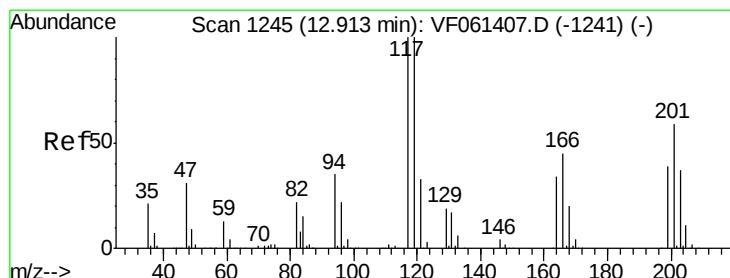
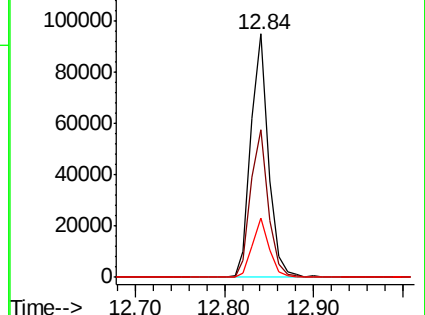
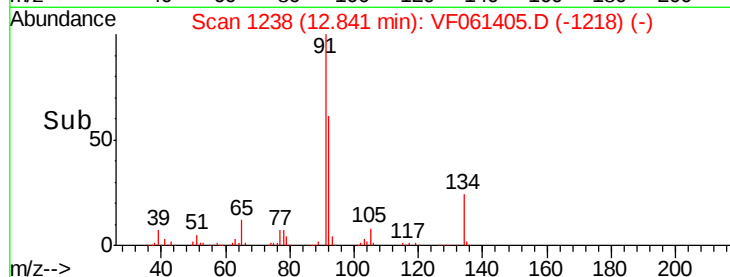
134 24.1 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 9.254 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF061405.D

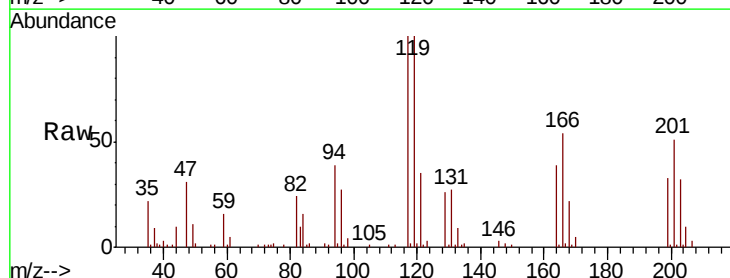
Acq: 15 Jan 2019 14:30

Tgt Ion: 117 Resp: 25560

Ion Ratio Lower Upper

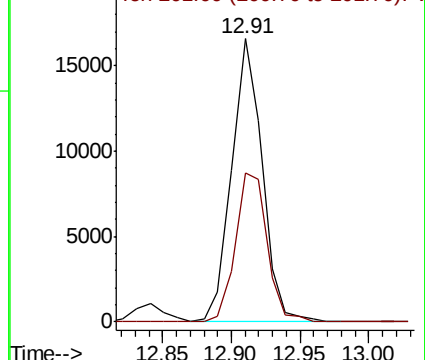
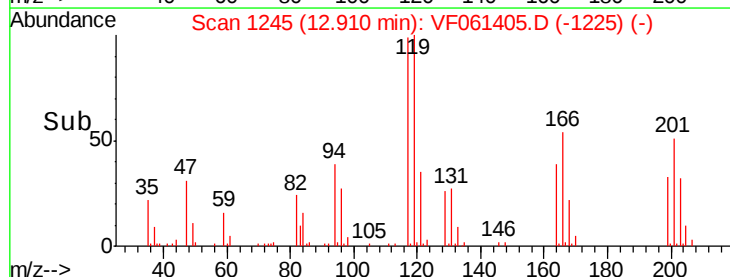
117 100

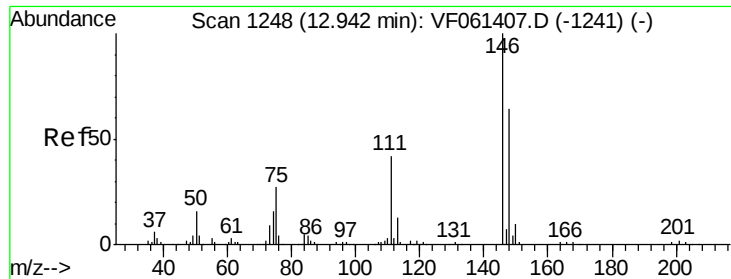
201 52.6 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

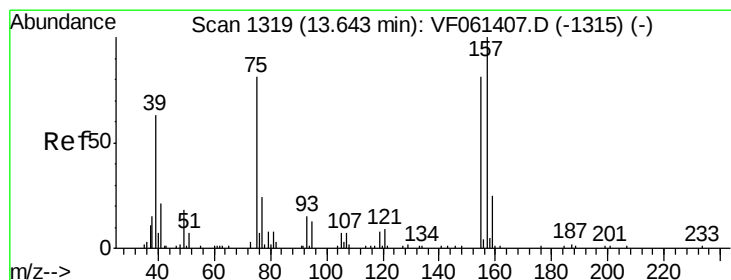
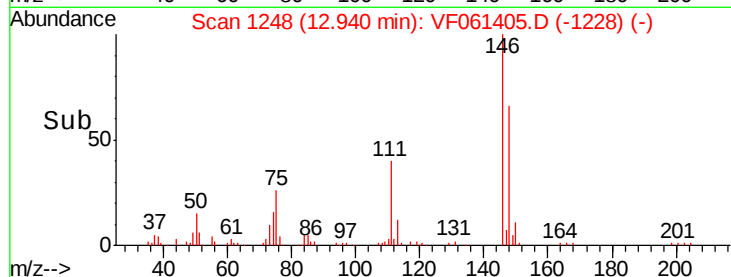
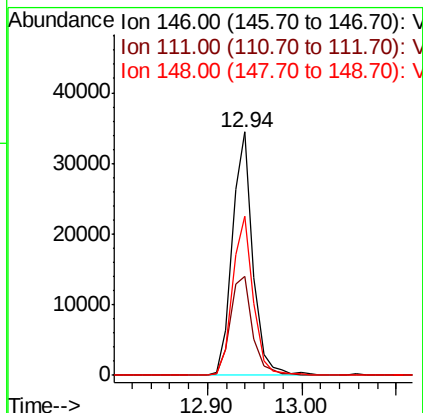
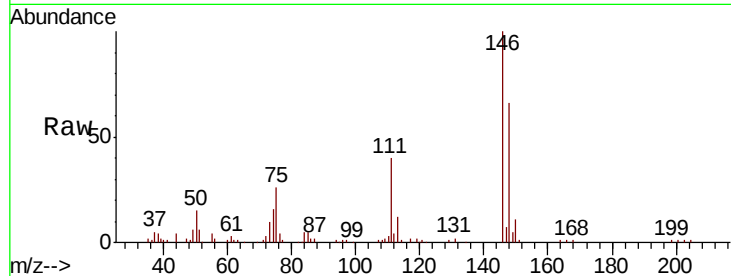




#91
 1,2-Dichlorobenzene
 Concen: 9.942 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

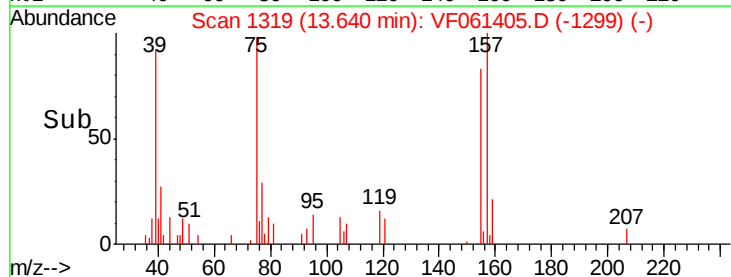
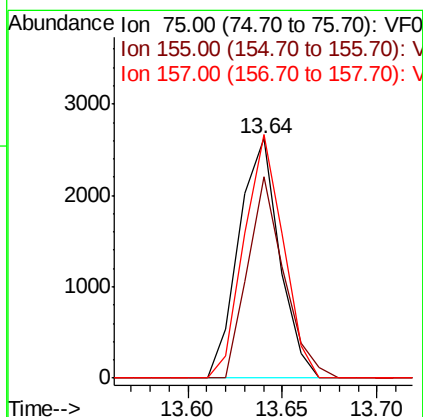
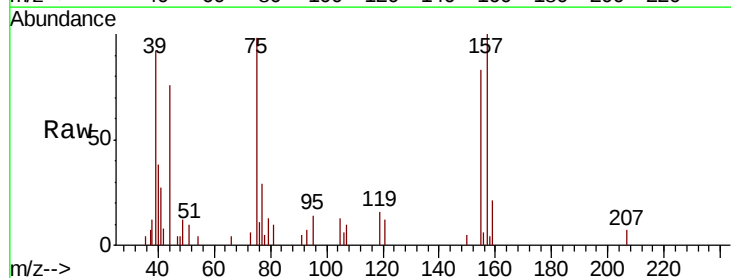
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 146 Resp: 51758
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.3
 148 65.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.944 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion: 75 Resp: 3903
 Ion Ratio Lower Upper
 75 100
 155 84.1 49.7 149.1
 157 101.6 61.4 184.1

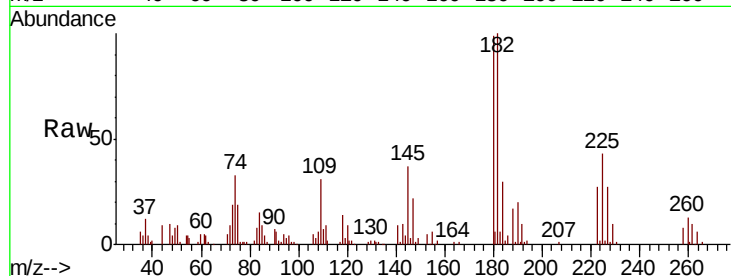




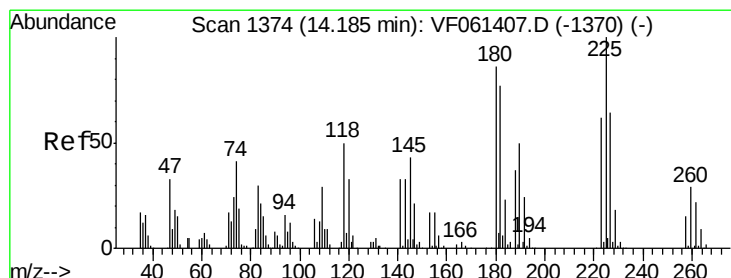
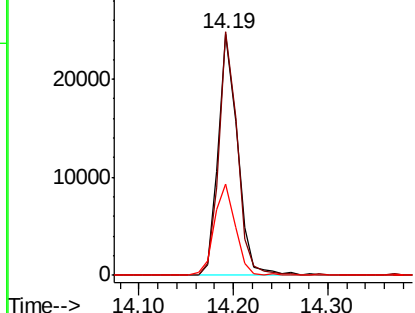
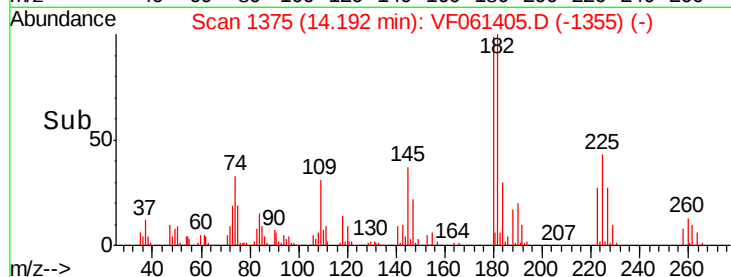
#93
 1,2,4-Trichlorobenzene
 Concen: 9.665 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 35116
 Ion Ratio Lower Upper
 180 100
 182 101.0 48.5 145.6
 145 37.6 17.5 52.6

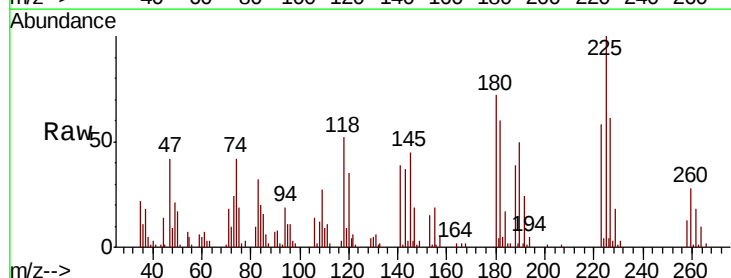


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

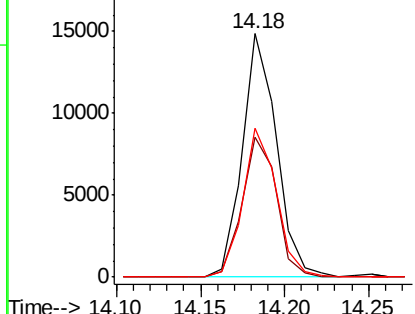
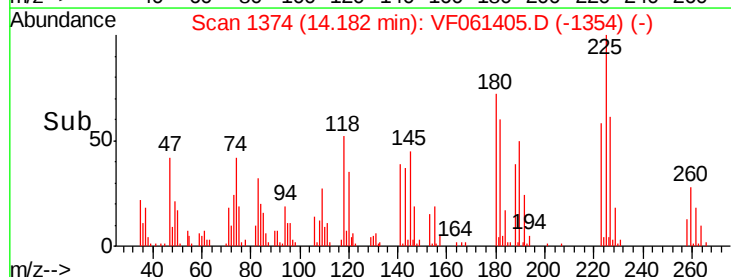


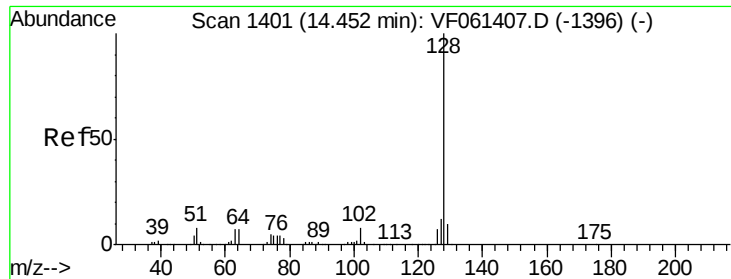
#94
 Hexachlorobutadiene
 Concen: 9.522 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061405.D
 Acq: 15 Jan 2019 14:30

Tgt Ion:225 Resp: 20948
 Ion Ratio Lower Upper
 225 100
 223 57.6 31.1 93.2
 227 61.4 32.2 96.6



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

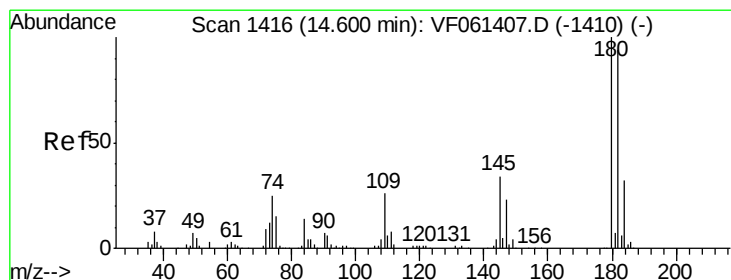
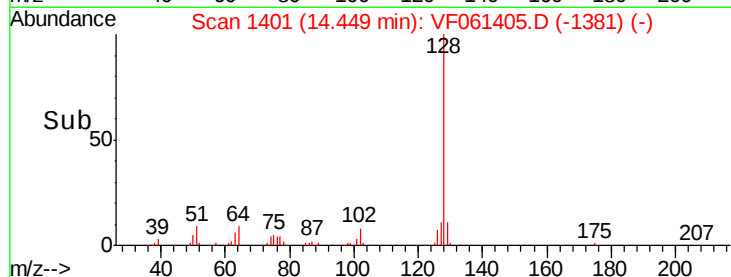
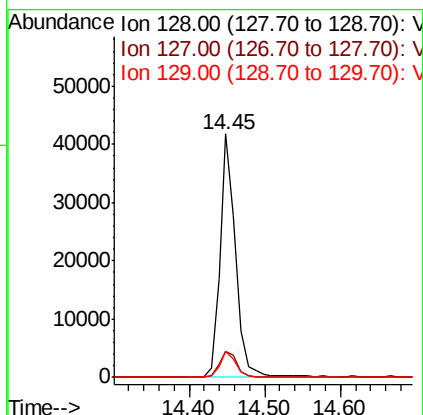
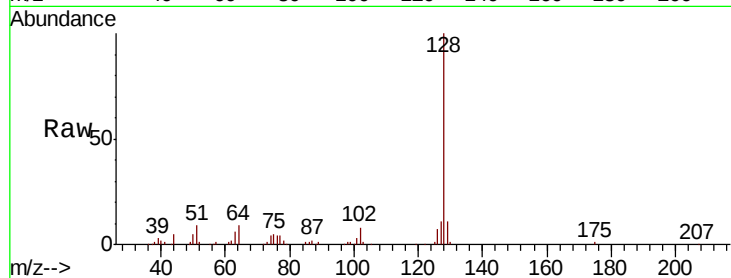




#95
Naphthalene
Concen: 9.352 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tgt Ion:128 Resp: 60479
Ion Ratio Lower Upper
128 100
127 10.9 9.5 14.3
129 10.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 9.430 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061405.D
Acq: 15 Jan 2019 14:30

Tgt Ion:180 Resp: 30775
Ion Ratio Lower Upper
180 100
182 82.8 47.0 141.2
145 32.6 17.1 51.2

