

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059614.D
 Acq On : 23 Jul 2018 14:46
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 23 15:03:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:04:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	234705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	325662	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	334307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	215113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	265118	72.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.36%	
35) Dibromofluoromethane	4.29	113	215879	73.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	147.82%	
50) Toluene-d8	7.70	98	544901	76.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	152.00%	
62) 4-Bromofluorobenzene	11.51	95	300396	72.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	196486	66.12	ug/l	87
3) Chloromethane	1.09	50	88760	61.31	ug/l	93
4) Vinyl Chloride	1.15	62	106251	68.03	ug/l #	84
5) Bromomethane	1.33	94	79171	61.11	ug/l	90
6) Chloroethane	1.42	64	60917	66.89	ug/l	94
7) Trichlorofluoromethane	1.53	101	150718	36.85	ug/l	97
8) Diethyl Ether	1.70	74	43801	68.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	131299	64.20	ug/l	93
10) Methyl Iodide	1.95	142	231042	67.99	ug/l	96
11) Tert butyl alcohol	2.68	59	46430	293.64	ug/l	96
12) 1,1-Dichloroethene	1.85	96	108478	63.43	ug/l	98
13) Acrolein	2.08	56	27573	398.95	ug/l	95
14) Allyl chloride	2.18	41	189267	67.70	ug/l	92
15) Acrylonitrile	3.07	53	81172	314.03	ug/l	96
16) Acetone	2.33	43	197508	312.32	ug/l	96
17) Carbon Disulfide	1.84	76	89059	20.15	ug/l	100
18) Methyl Acetate	2.45	43	61162	51.21	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	327817	64.92	ug/l	99
20) Methylene Chloride	2.27	84	50707	26.30	ug/l #	84
21) trans-1,2-Dichloroethene	2.41	96	106868	61.89	ug/l	94
22) Diisopropyl ether	2.92	45	363490	62.77	ug/l	96
23) Vinyl Acetate	3.32	43	933199	310.45	ug/l	100
24) 1,1-Dichloroethane	2.99	63	265434	67.35	ug/l	98
25) 2-Butanone	4.51	43	213240	300.82	ug/l	99
26) 2,2-Dichloropropane	3.75	77	215091	70.05	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	133785	68.99	ug/l	98
28) Bromochloromethane	3.88	49	92830	60.70	ug/l	94
29) Tetrahydrofuran	4.25	42	82594	275.35	ug/l	95
30) Chloroform	4.02	83	359132	65.61	ug/l	98
31) Cyclohexane	3.86	56	139732	64.04	ug/l	89
32) 1,1,1-Trichloroethane	4.26	97	314106	68.69	ug/l	98
36) 1,1-Dichloropropene	4.45	75	225964	68.40	ug/l #	92
37) Ethyl Acetate	4.27	43	91061	61.75	ug/l #	70
38) Carbon Tetrachloride	4.16	117	336736	68.81	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	177621	67.70	ug/l	94
40) Benzene	4.80	78	399609	65.34	ug/l	99
41) Methacrylonitrile	4.91	41	44171	58.01	ug/l #	72
42) 1,2-Dichloroethane	5.11	62	270541	64.83	ug/l	99
43) Isopropyl Acetate	7.10	43	115659	60.55	ug/l #	97
44) Trichloroethene	5.67	130	151908	64.95	ug/l	95
45) 1,2-Dichloropropane	6.39	63	110713	66.21	ug/l	98
46) Dibromomethane	6.24	93	97262	68.10	ug/l	99
47) Bromodichloromethane	6.54	83	279270	66.90	ug/l #	95
48) Methyl methacrylate	6.86	41	84963	59.68	ug/l	97
49) 1,4-Dioxane	6.86	88	12051	1493.57	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	424872	318.30	ug/l	99
52) Toluene	7.77	92	304823	65.76	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	238461	67.40	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	240501	67.88	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	109175	66.51	ug/l	96
56) Ethyl methacrylate	8.76	69	128095	67.77	ug/l	92
57) 1,3-Dichloropropane	8.99	76	189385	65.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	65790	328.28	ug/l	100
59) 2-Hexanone	9.62	43	346513	320.86	ug/l	99
60) Dibromochloromethane	8.85	129	197754	68.86	ug/l	99
61) 1,2-Dibromoethane	9.13	107	125674	65.13	ug/l	99
64) Tetrachloroethene	8.30	164	158730	62.78	ug/l	94
65) Chlorobenzene	9.94	112	390962	62.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	182574	64.02	ug/l	95
67) Ethyl Benzene	10.04	91	743851	66.28	ug/l	100
68) m/p-Xylenes	10.26	106	495400	129.15	ug/l	100
69) o-Xylene	10.83	106	276051	65.47	ug/l	97
70) Styrene	10.90	104	418384	66.40	ug/l	99
71) Bromoform	10.89	173	115944	61.84	ug/l	95
73) Isopropylbenzene	11.22	105	859491	62.38	ug/l	98
74) N-amyl acetate	11.46	43	225012	65.53	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	148529	58.84	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	125877	58.59	ug/l	87
77) Bromobenzene	11.60	156	228814	62.71	ug/l	91
78) n-propylbenzene	11.68	91	982163	59.88	ug/l	98
79) 2-Chlorotoluene	11.81	91	622444	63.08	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	765755	62.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	77852	72.74	ug/l	100
82) 4-Chlorotoluene	11.99	91	685655	62.37	ug/l	93
83) tert-Butylbenzene	12.22	119	760619	63.57	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	779196	62.81	ug/l	96
85) sec-Butylbenzene	12.38	105	999295	65.37	ug/l	98
86) p-Isopropyltoluene	12.53	119	872811	65.54	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	414327	61.00	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	414726	64.11	ug/l	96
89) n-Butylbenzene	12.92	91	836918	65.94	ug/l	97
90) Hexachloroethane	12.99	117	213325	65.28	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	389784	61.31	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	36588	59.66	ug/l	75

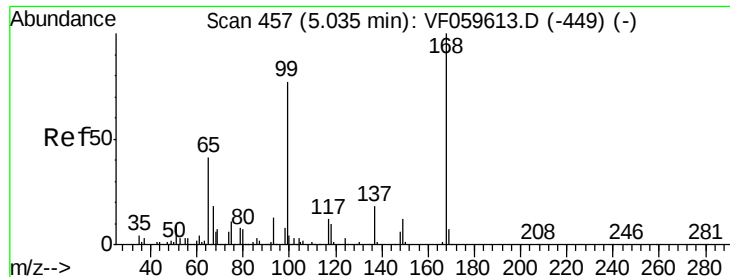
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	297970	65.36	ug/l	98
94) Hexachlorobutadiene	14.26	225	215635	72.77	ug/l	94
95) Naphthalene	14.52	128	525865	66.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	291705	69.98	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

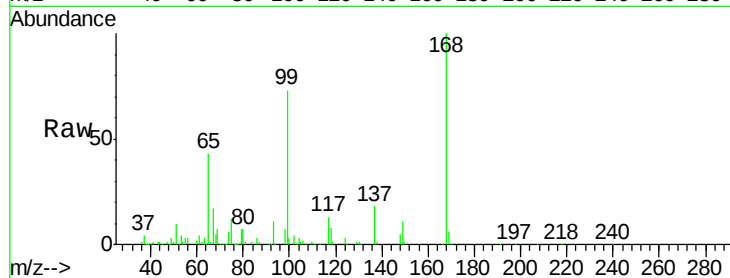
VSTDIC075

Tot Ion:168 Resp: 234705

Ion Ratio Lower Upper

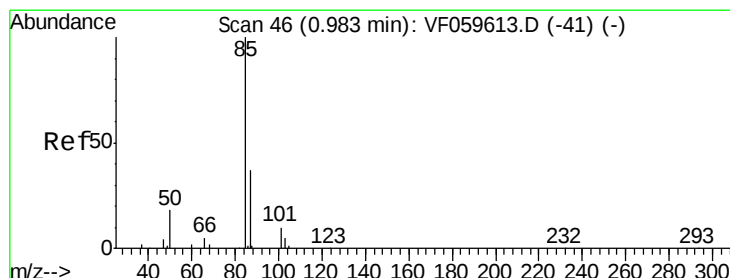
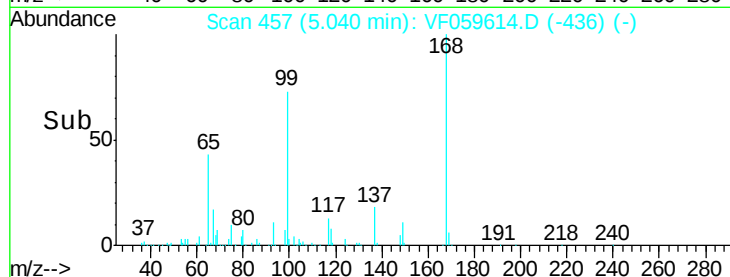
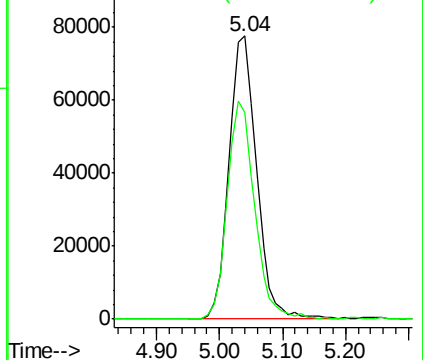
168 100

99 73.1 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70):

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 66.12 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059614.D

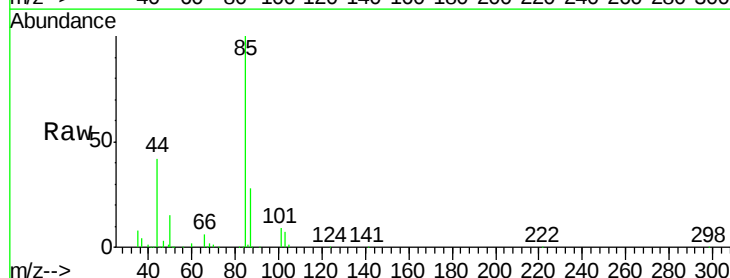
Acq: 23 Jul 2018 14:46

Tgt Ion: 85 Resp: 196486

Ion Ratio Lower Upper

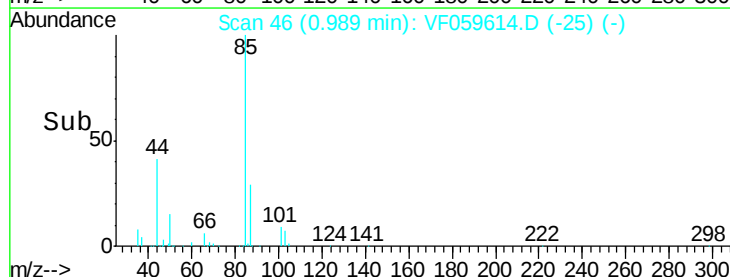
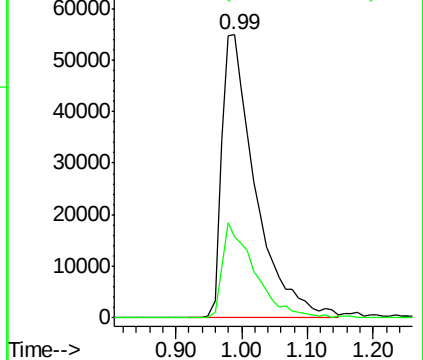
85 100

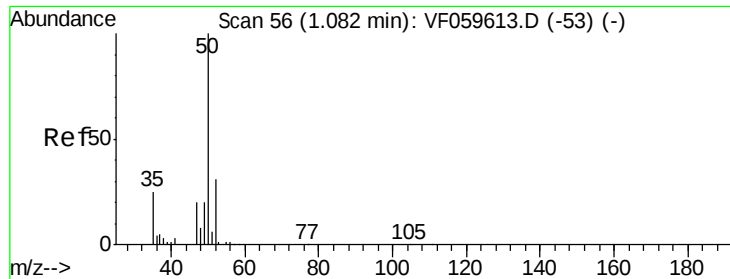
87 28.9 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 61.31 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

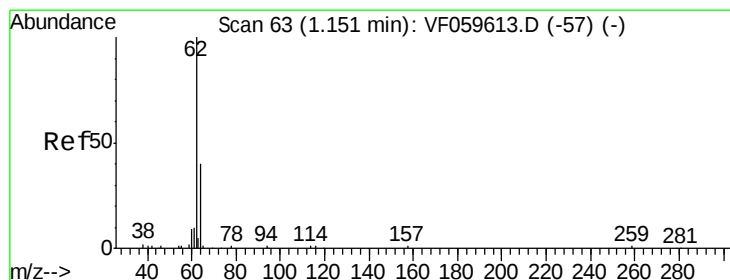
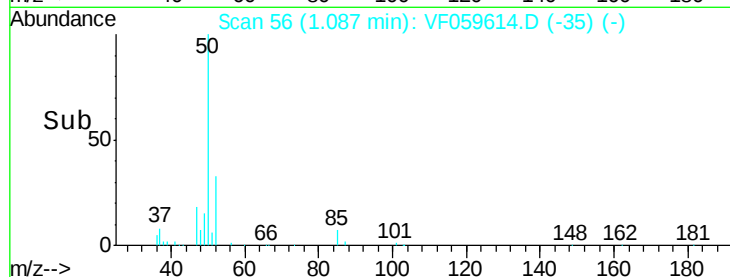
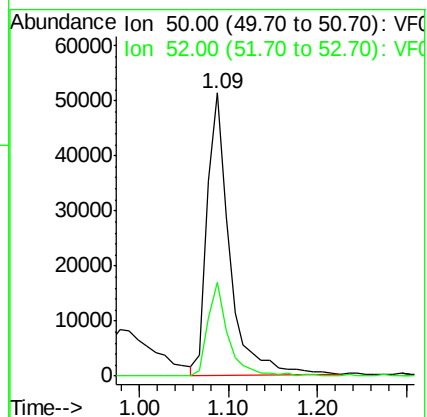
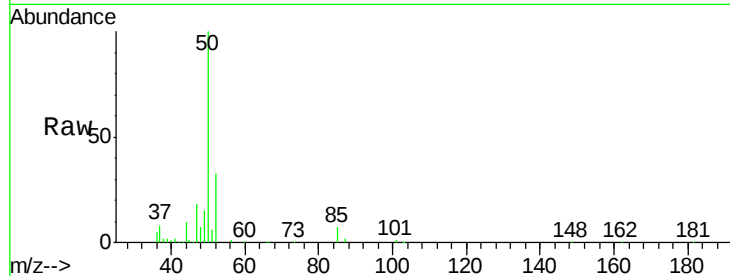
VSTDIC075

Tot Ion: 50 Resp: 88760

Ion Ratio Lower Upper

50 100

52 33.3 23.7 35.5



#4

Vinyl Chloride

Concen: 68.03 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059614.D

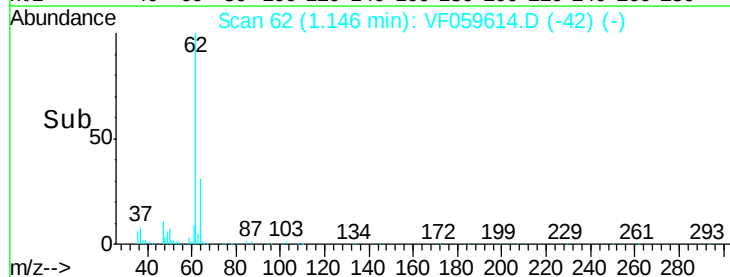
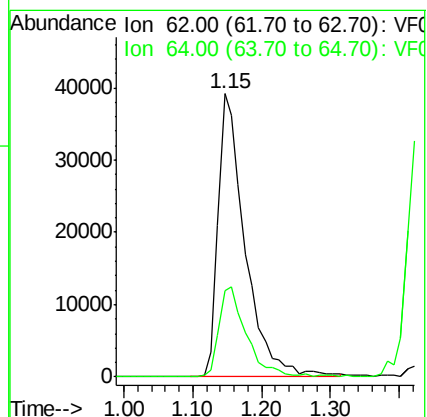
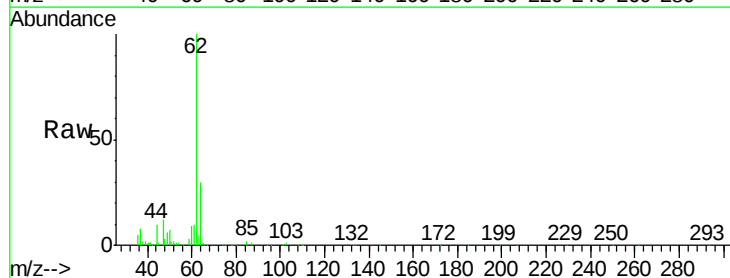
Acq: 23 Jul 2018 14:46

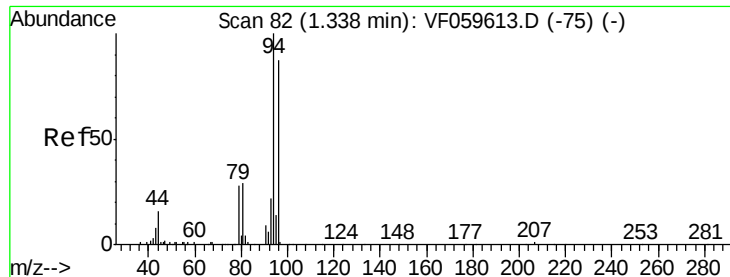
Tgt Ion: 62 Resp: 106251

Ion Ratio Lower Upper

62 100

64 30.4 32.2 48.4#





#5

Bromomethane

Concen: 61.11 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

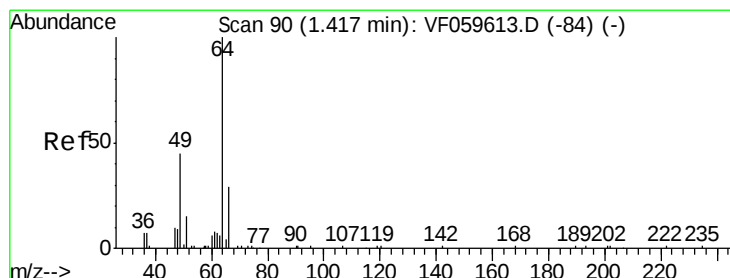
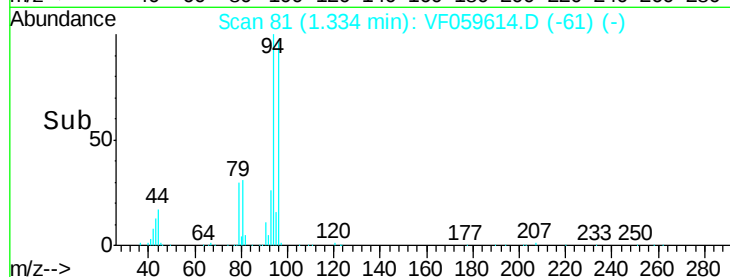
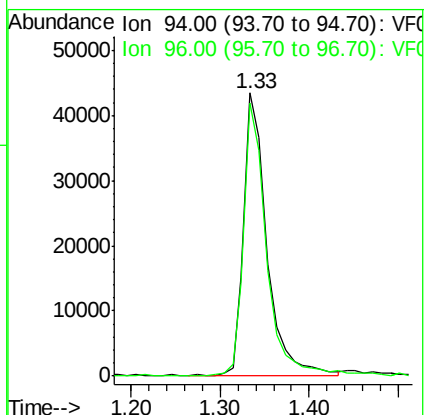
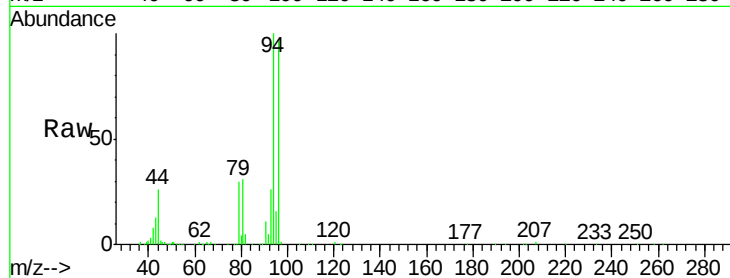
VSTDIC075

Tot Ion: 94 Resp: 79171

Ion Ratio Lower Upper

94 100

96 96.5 69.8 104.8



#6

Chloroethane

Concen: 66.89 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059614.D

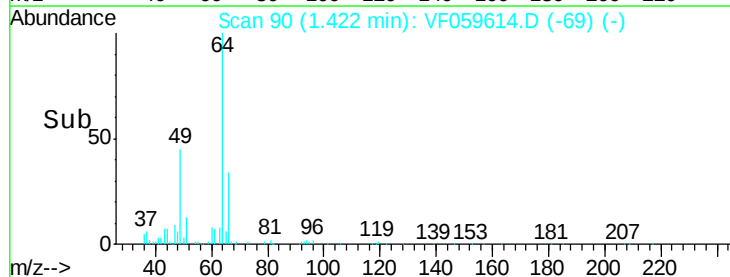
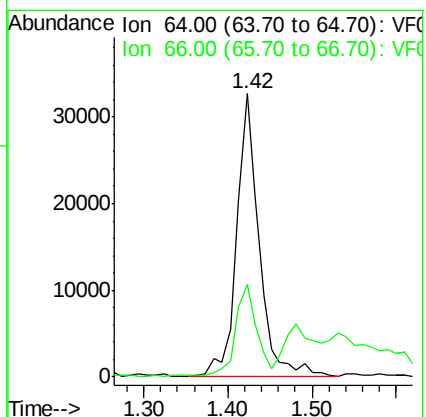
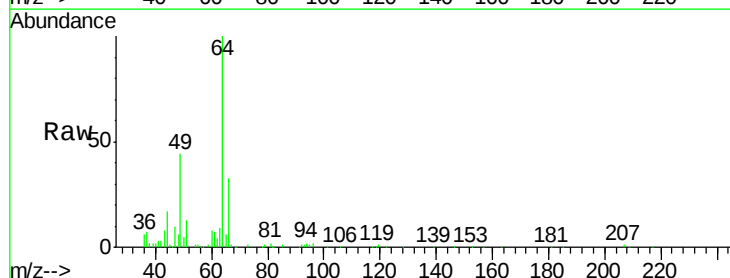
Acq: 23 Jul 2018 14:46

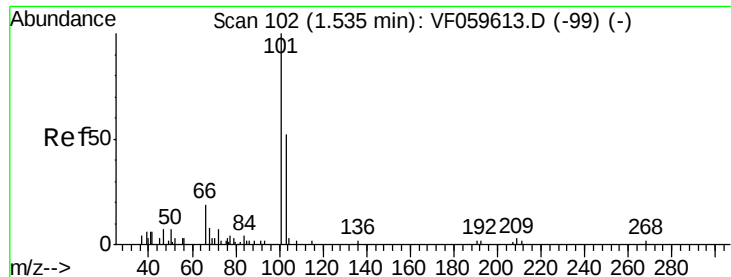
Tgt Ion: 64 Resp: 60917

Ion Ratio Lower Upper

64 100

66 32.9 23.7 35.5



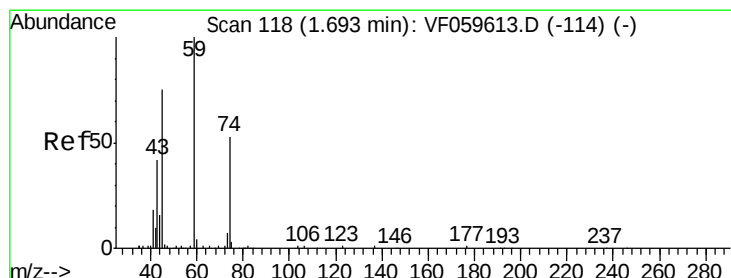
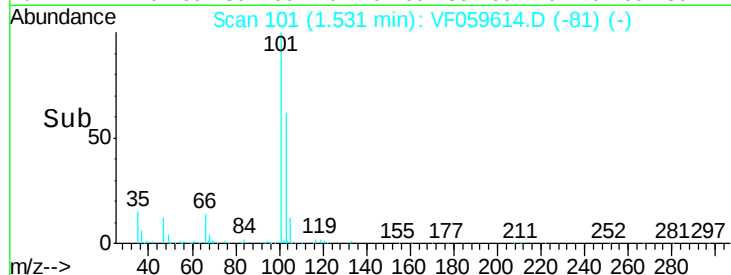
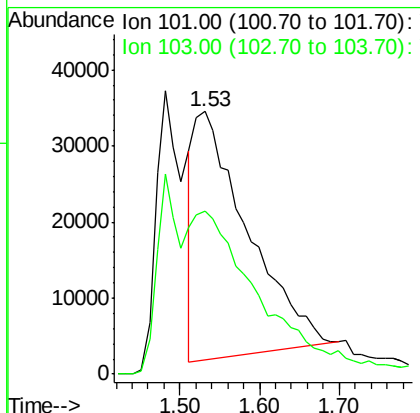
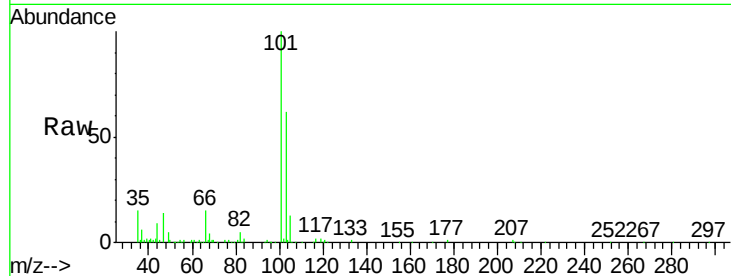


#7

Trichlorofluoromethane
 Concen: 36.85 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

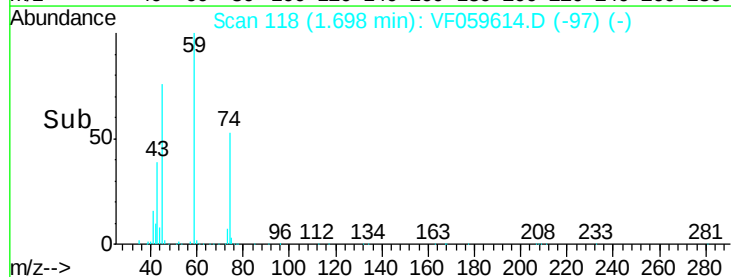
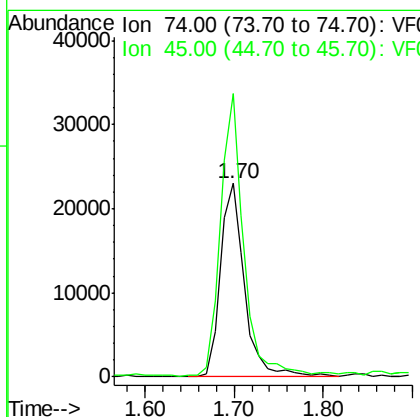
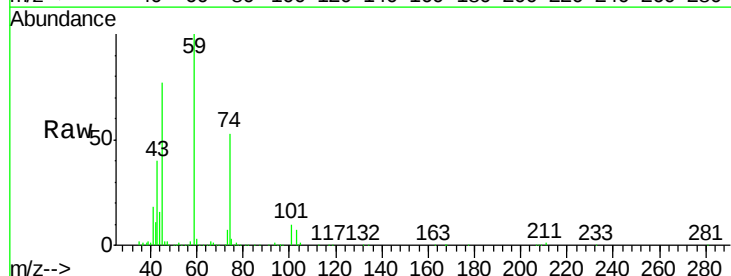
Tot Ion:101 Resp: 150718
 Ion Ratio Lower Upper
 101 100
 103 62.3 48.2 72.4

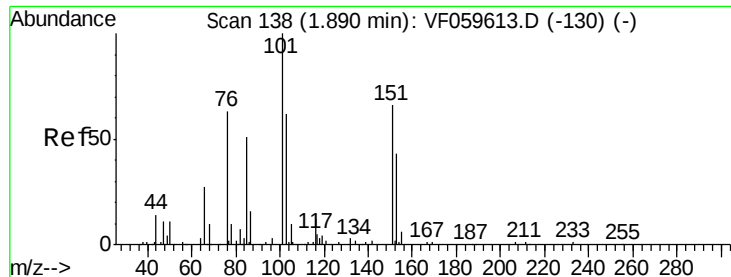


#8

Diethyl Ether
 Concen: 68.04 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 74 Resp: 43801
 Ion Ratio Lower Upper
 74 100
 45 146.4 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.20 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

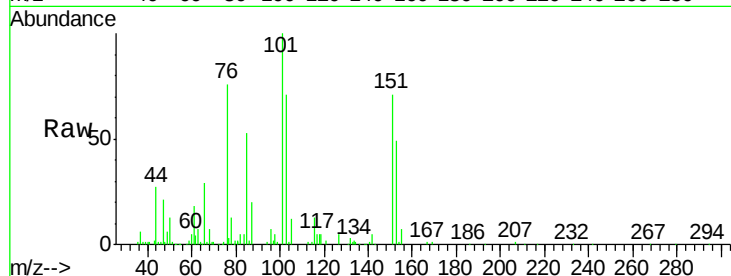
Tot Ion:101 Resp: 131299

Ion Ratio Lower Upper

101 100

85 53.5 40.2 60.2

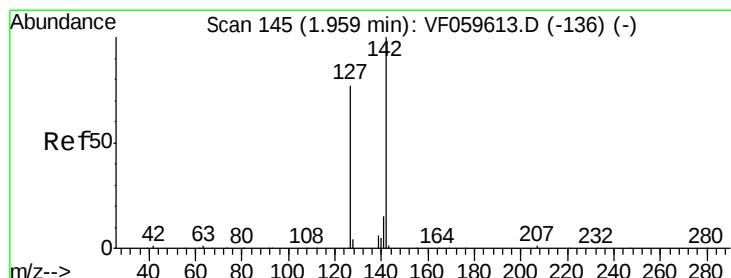
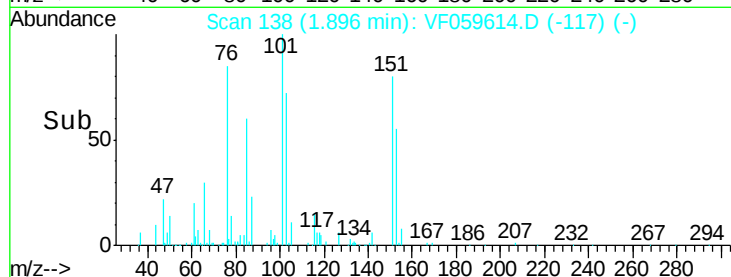
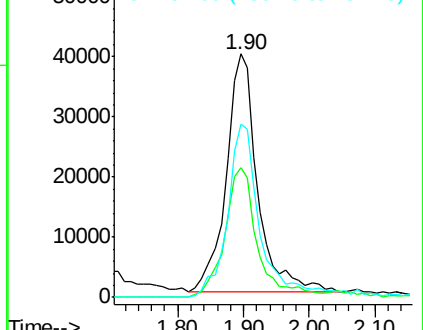
151 71.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70):

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70):



#10

Methyl Iodide

Concen: 67.99 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

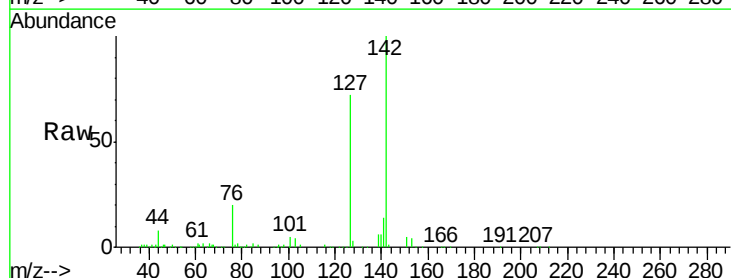
Tgt Ion:142 Resp: 231042

Ion Ratio Lower Upper

142 100

127 72.5 61.2 91.8

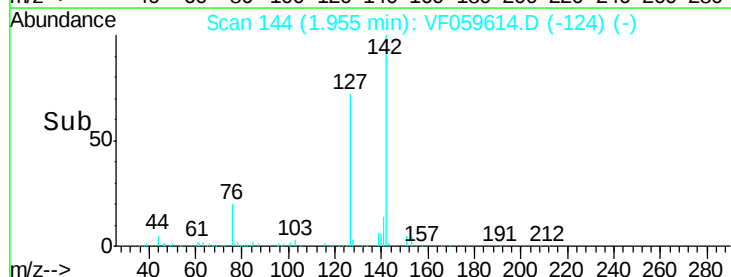
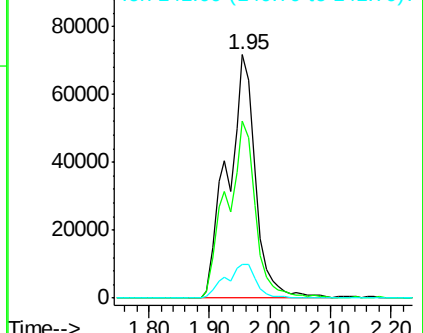
141 14.0 12.0 18.0

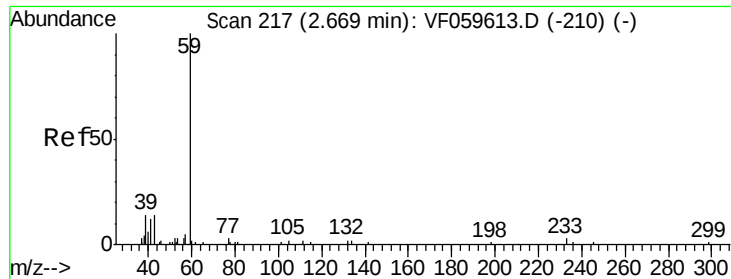


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):

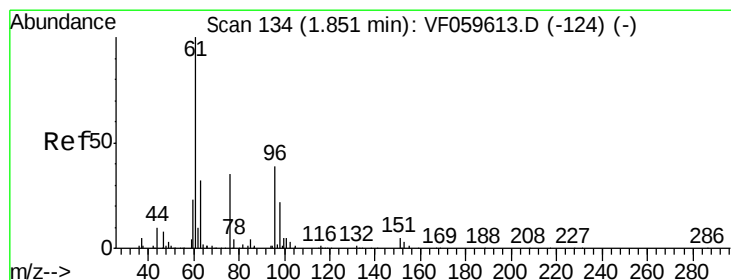
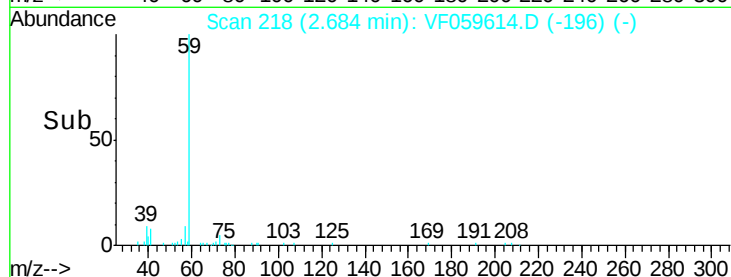
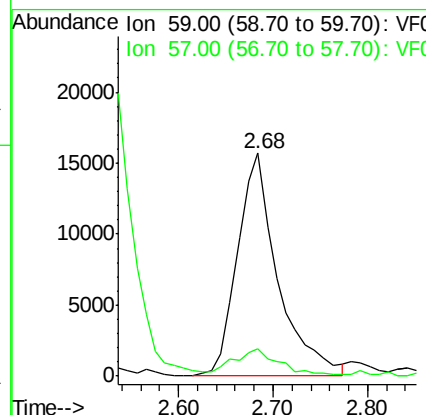
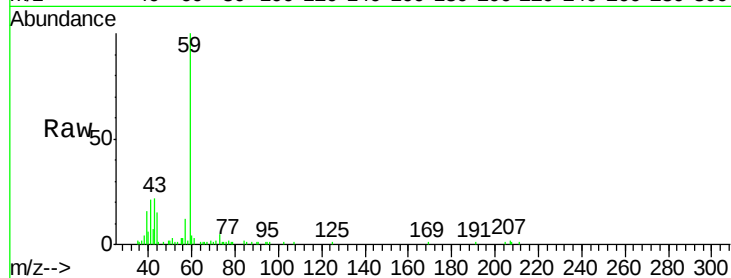




#11
Tert butyl alcohol
Concen: 293.64 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.02 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

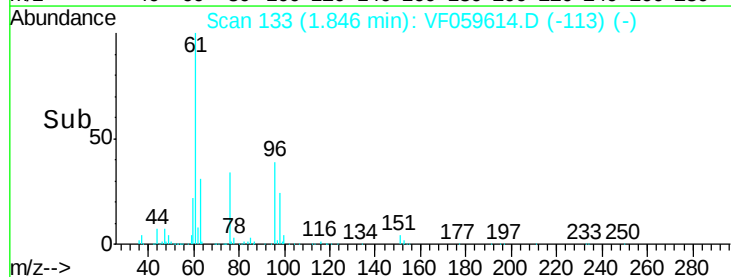
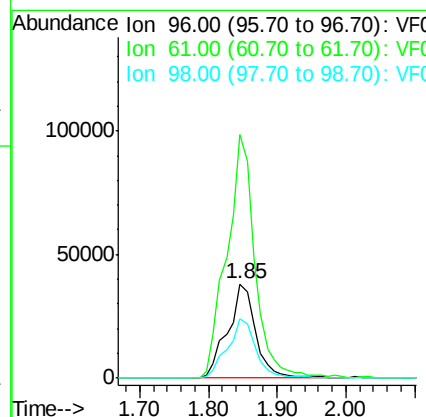
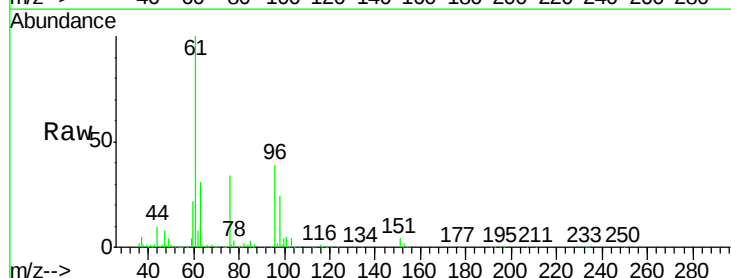
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

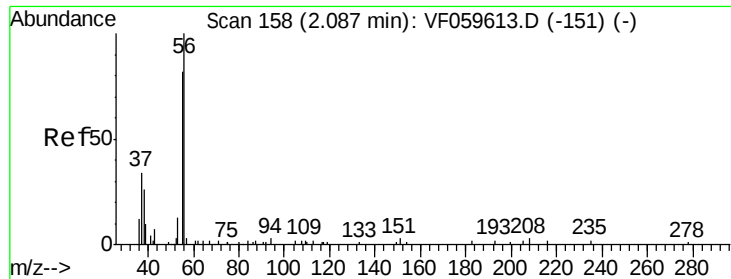
Tot Ion: 59 Resp: 46430
Ion Ratio Lower Upper
59 100
57 12.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 63.43 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 96 Resp: 108478
Ion Ratio Lower Upper
96 100
61 258.0 207.2 310.8
98 62.5 45.5 68.3





#13

Acrolein

Concen: 398.95 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

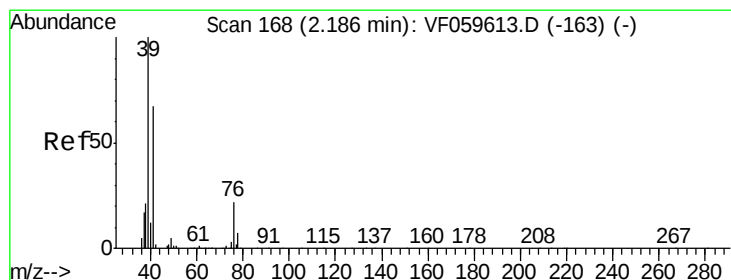
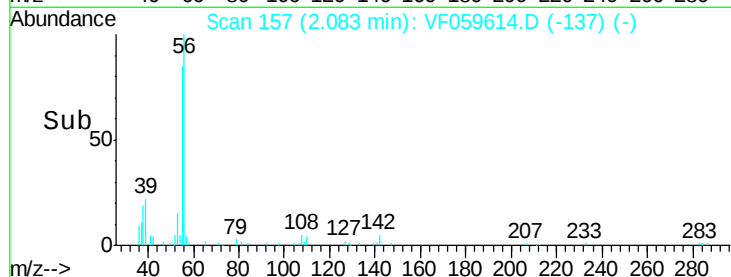
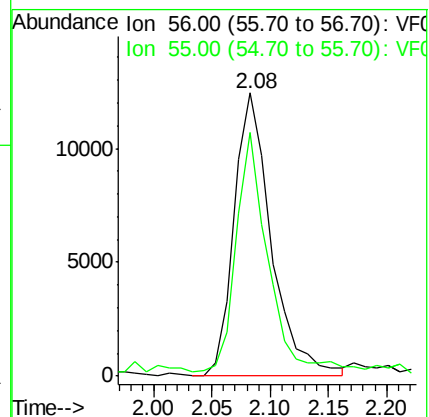
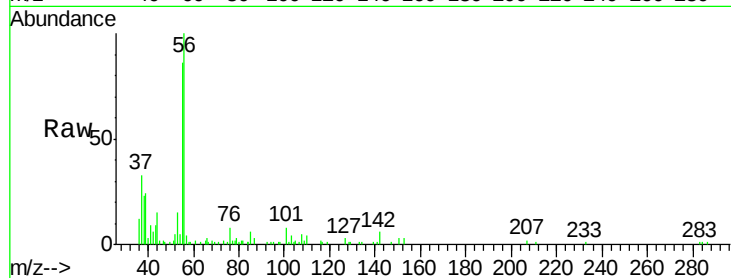
VSTDIC075

Tot Ion: 56 Resp: 27573

Ion Ratio Lower Upper

56 100

55 86.3 65.6 98.4



#14

Allyl chloride

Concen: 67.70 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

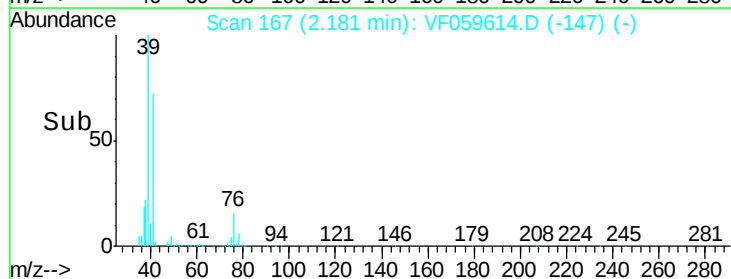
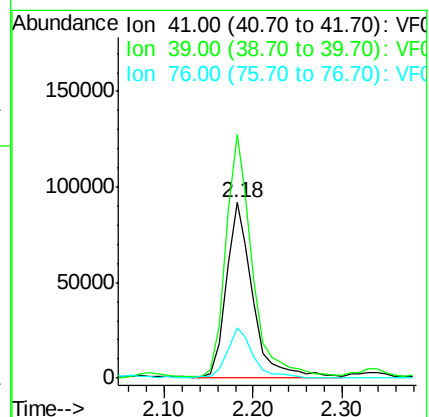
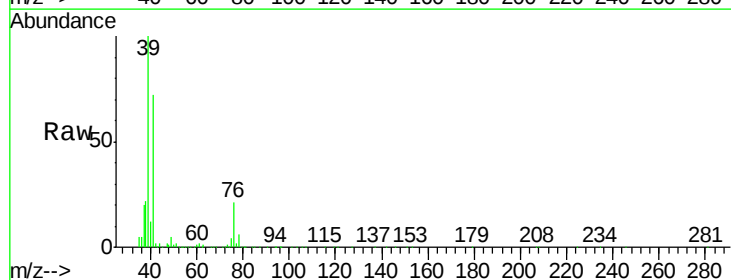
Tgt Ion: 41 Resp: 189267

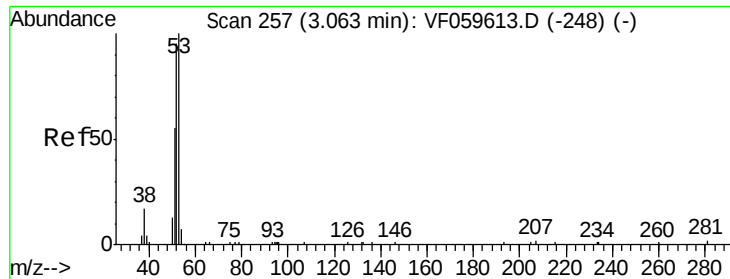
Ion Ratio Lower Upper

41 100

39 139.0 119.0 178.4

76 29.1 26.3 39.5

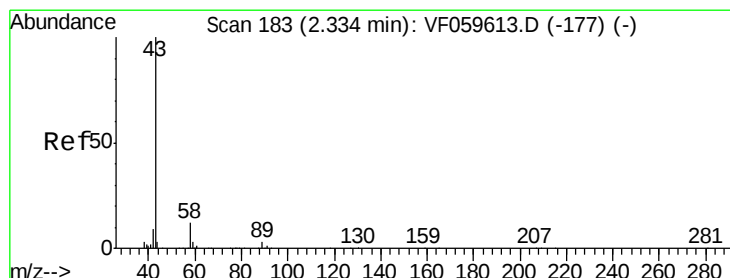
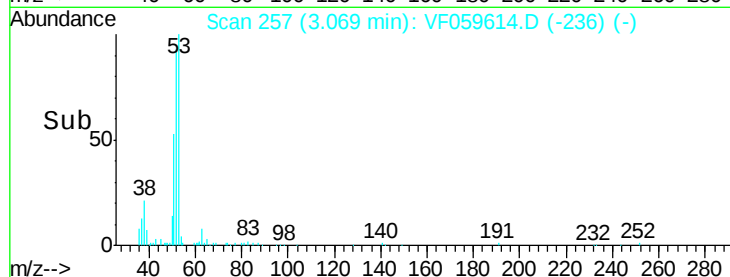
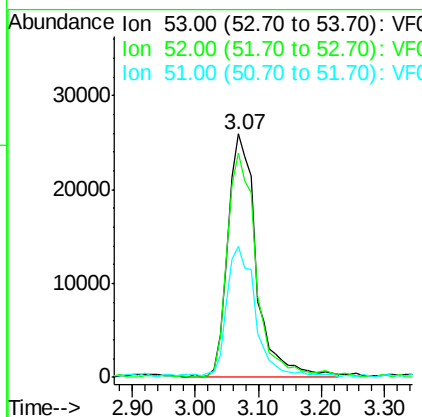
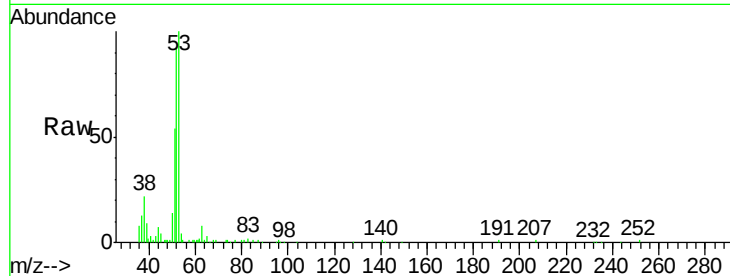




#15
 Acrylonitrile
 Concen: 314.03 ug/l
 RT: 3.07 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

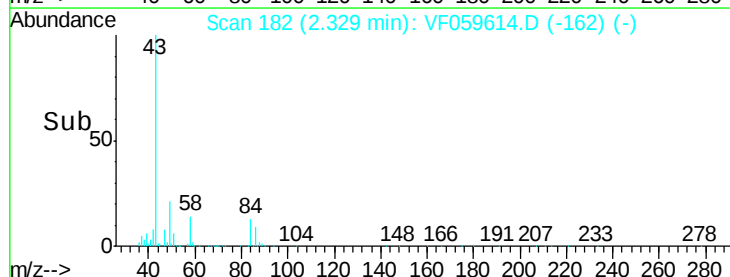
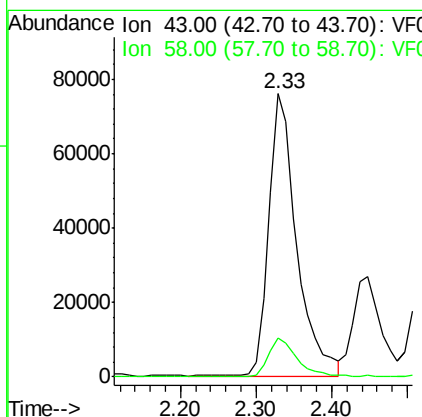
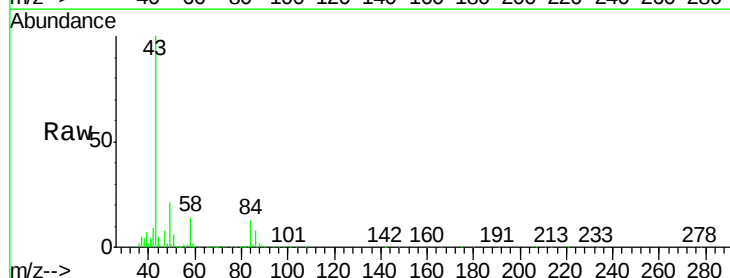
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

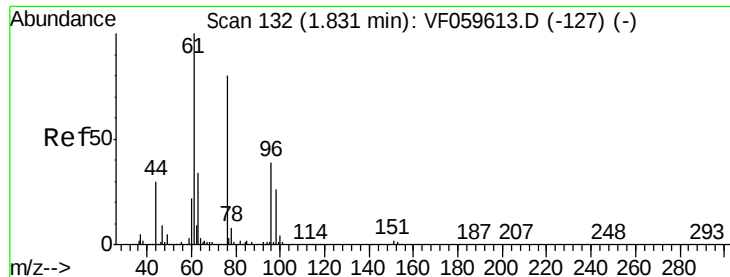
Tot Ion: 53 Resp: 81172
 Ion Ratio Lower Upper
 53 100
 52 92.1 76.2 114.2
 51 53.6 45.8 68.8



#16
 Acetone
 Concen: 312.32 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 43 Resp: 197508
 Ion Ratio Lower Upper
 43 100
 58 13.8 9.8 14.8

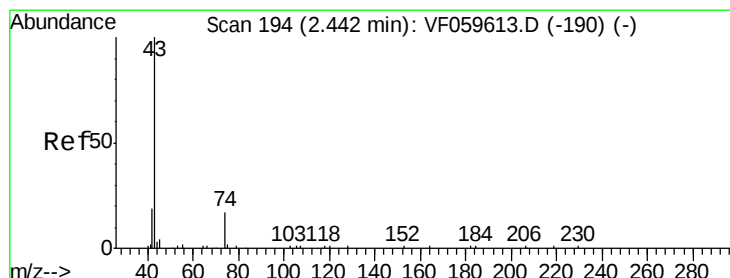
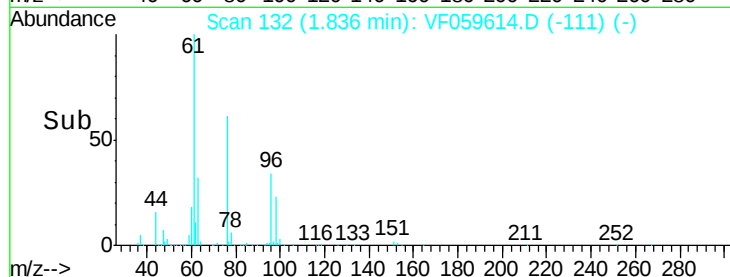
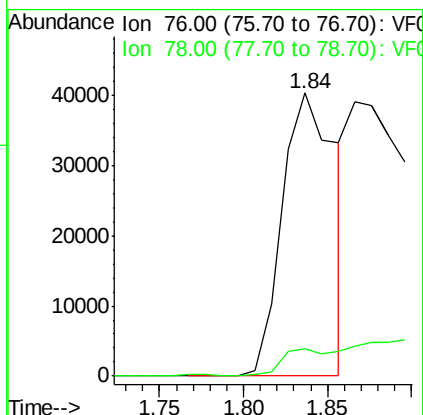
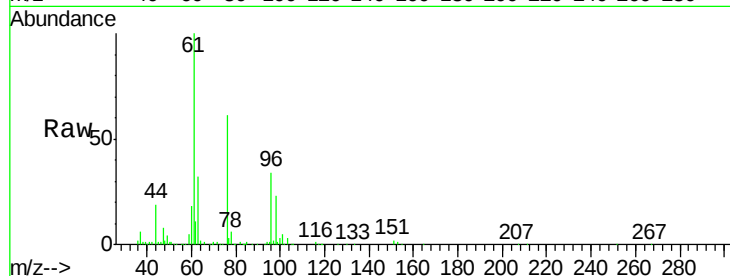




#17
Carbon Disulfide
Concen: 20.15 ug/l
RT: 1.84 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

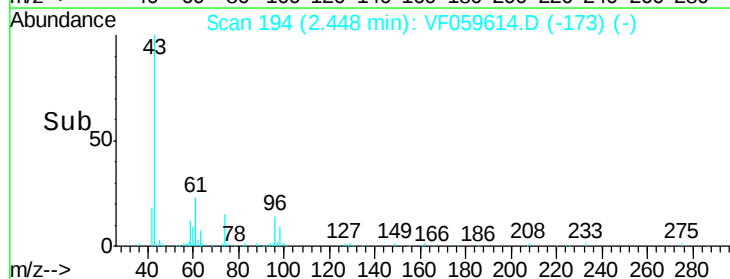
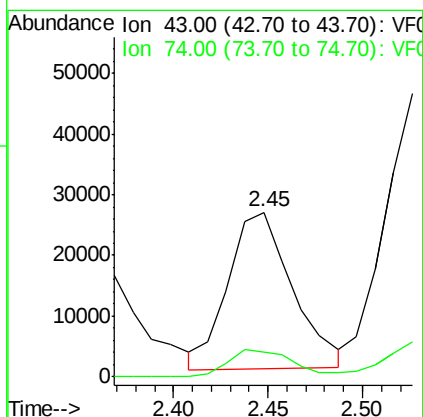
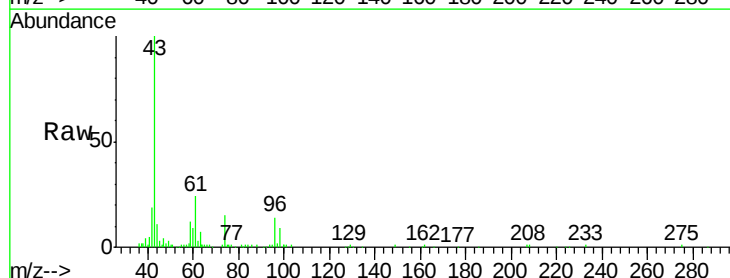
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

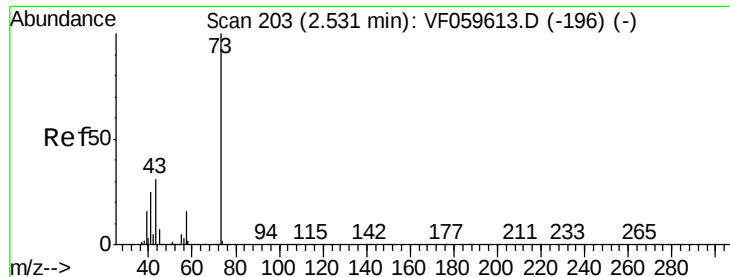
Tot Ion: 76 Resp: 89059
Ion Ratio Lower Upper
76 100
78 9.7 7.7 11.5



#18
Methyl Acetate
Concen: 51.21 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 43 Resp: 61162
Ion Ratio Lower Upper
43 100
74 15.0 11.4 17.0



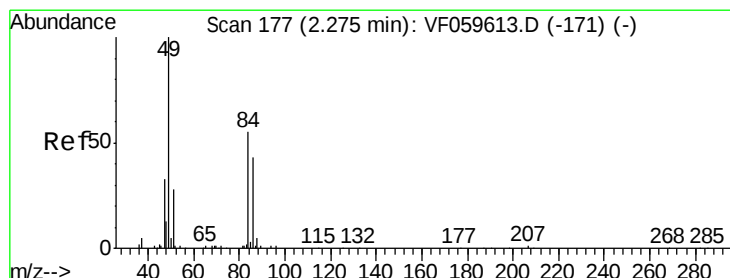
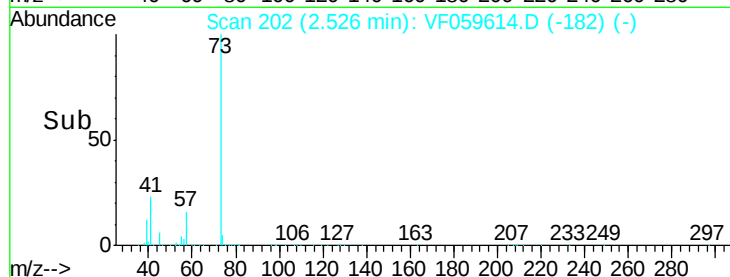
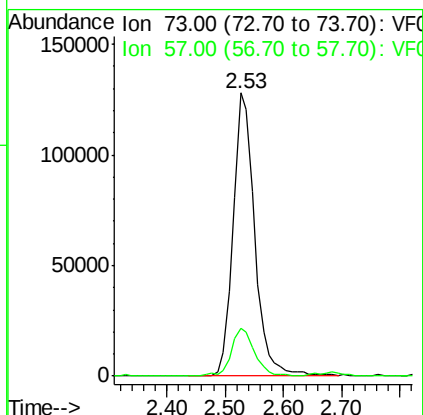
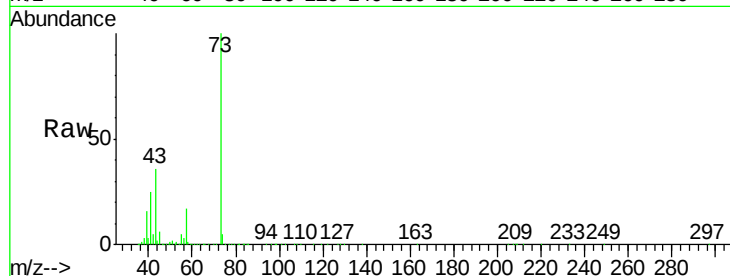


#19

Methyl tert-butyl Ether
 Concen: 64.92 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

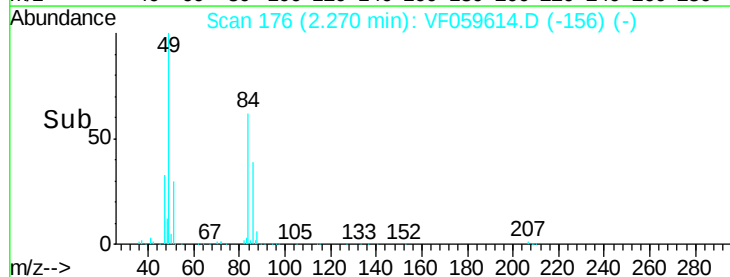
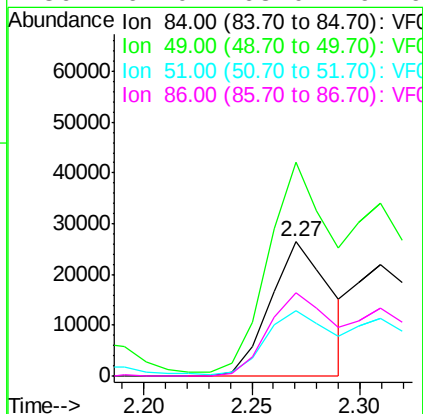
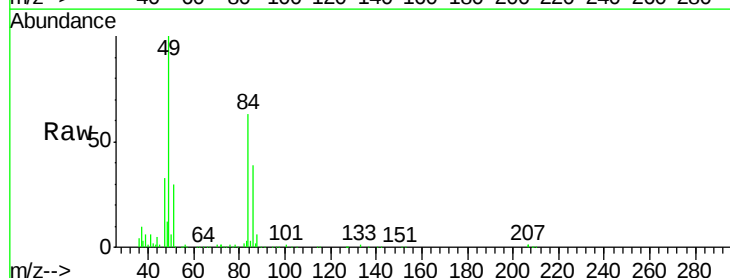
Tot Ion: 73 Resp: 327817
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.2 19.8

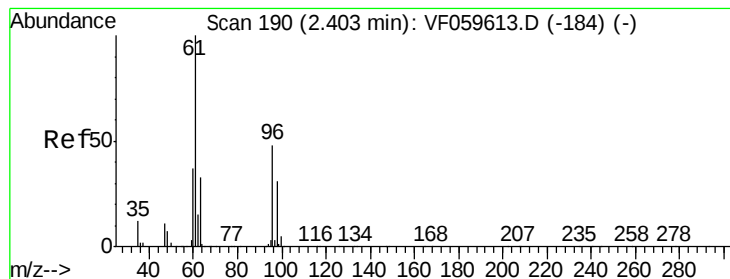


#20

Methylene Chloride
 Concen: 26.30 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 84 Resp: 50707
 Ion Ratio Lower Upper
 84 100
 49 159.6 148.6 222.8
 51 49.1 42.7 64.1
 86 62.0 63.0 94.6#





#21

trans-1,2-Dichloroethene

Concen: 61.89 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

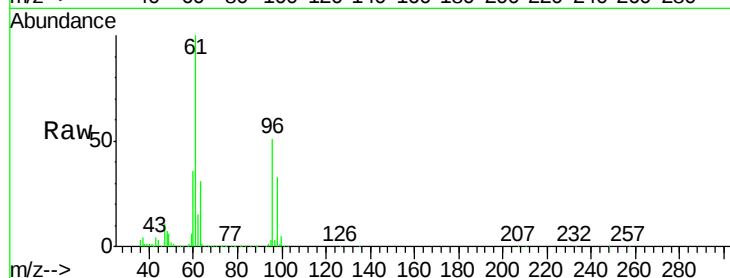
Tot Ion: 96 Resp: 106868

Ion Ratio Lower Upper

96 100

61 196.6 167.0 250.6

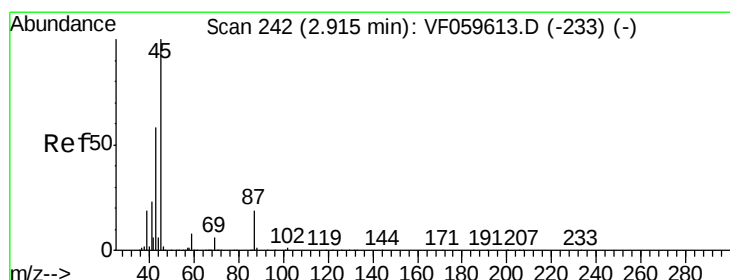
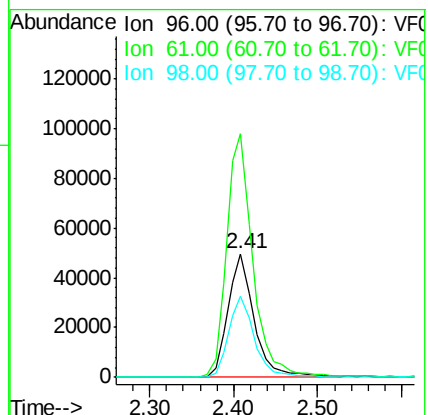
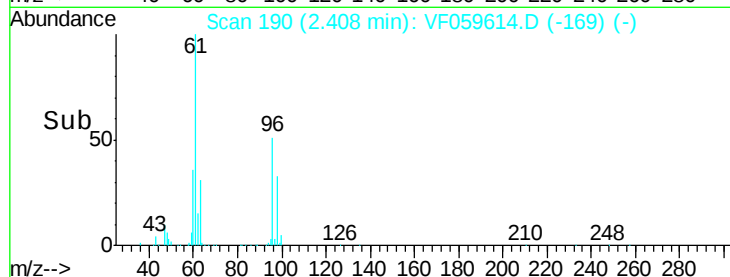
98 65.0 51.8 77.8



Abundance Ion 96.00 (95.70 to 96.70): VF059613.D (-184) (-)

Ion 61.00 (60.70 to 61.70): VF059613.D (-184) (-)

Ion 98.00 (97.70 to 98.70): VF059613.D (-184) (-)



#22

Diisopropyl ether

Concen: 62.77 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion: 45 Resp: 363490

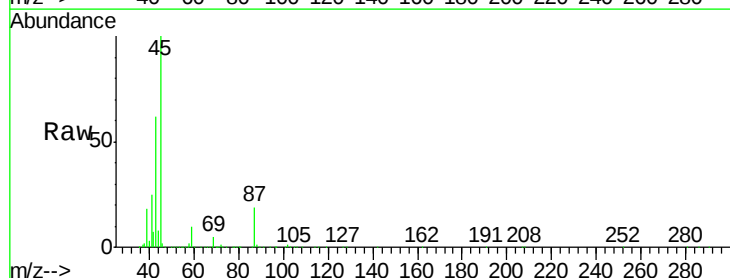
Ion Ratio Lower Upper

45 100

43 61.6 46.7 70.1

87 19.5 15.0 22.6

59 9.6 7.0 10.4

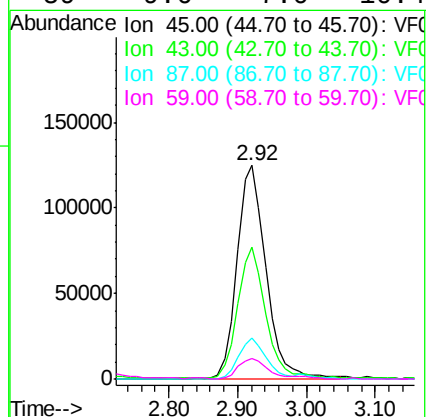
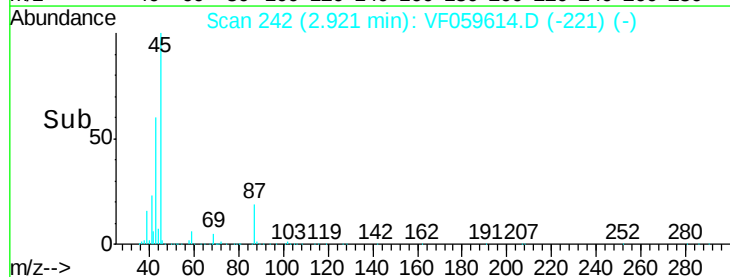


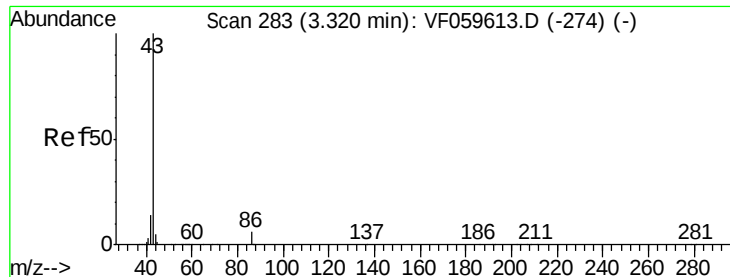
Abundance Ion 45.00 (44.70 to 45.70): VF059613.D (-233) (-)

Ion 43.00 (42.70 to 43.70): VF059613.D (-233) (-)

Ion 87.00 (86.70 to 87.70): VF059613.D (-233) (-)

Ion 59.00 (58.70 to 59.70): VF059613.D (-233) (-)





#23

Vinyl Acetate

Concen: 310.45 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

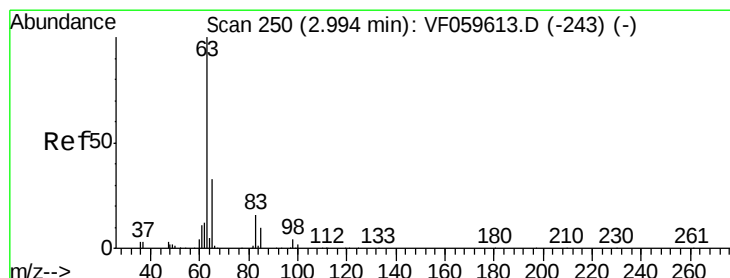
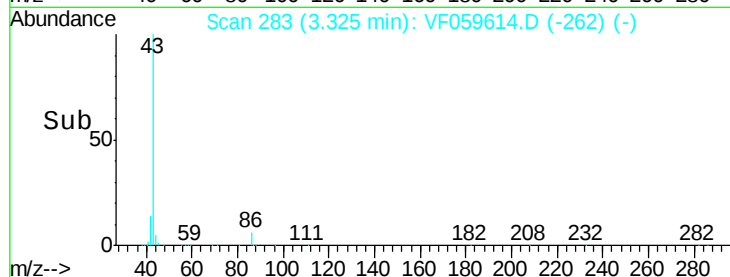
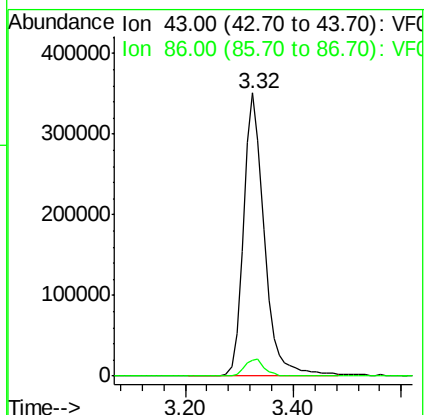
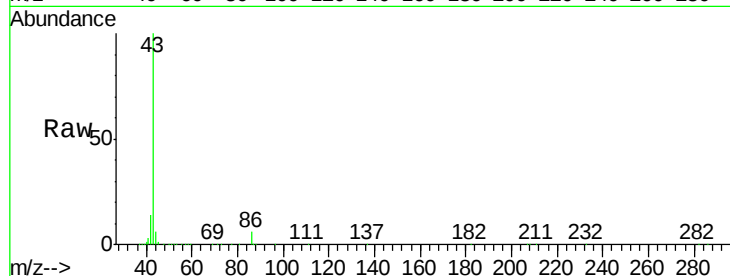
VSTDIC075

Tot Ion: 43 Resp: 933199

Ion Ratio Lower Upper

43 100

86 5.7 4.6 6.8



#24

1,1-Dichloroethane

Concen: 67.35 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

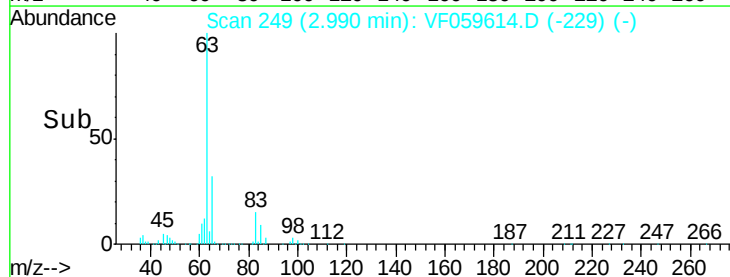
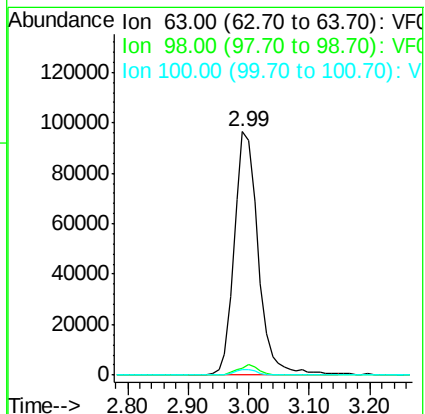
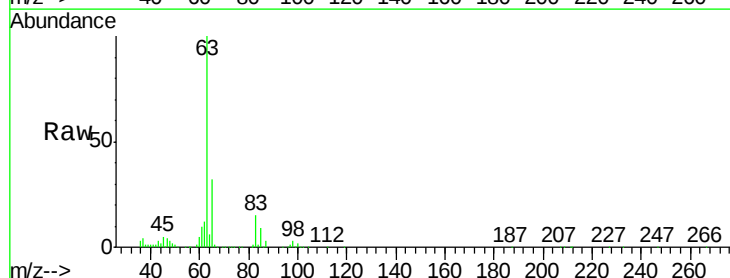
Tgt Ion: 63 Resp: 265434

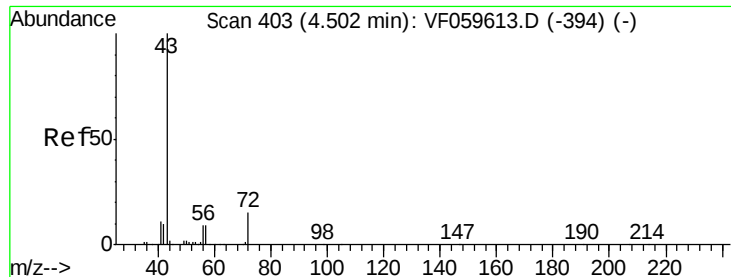
Ion Ratio Lower Upper

63 100

98 2.6 1.9 5.7

100 2.4 1.2 3.6





#25

2-Butanone

Concen: 300.82 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

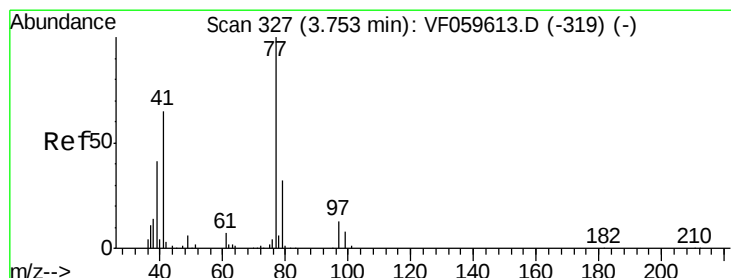
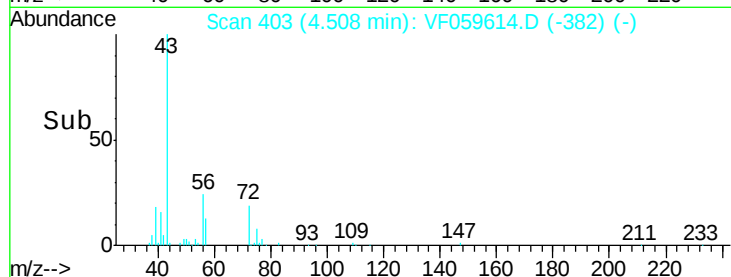
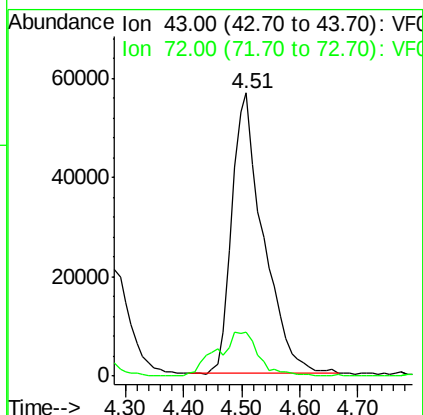
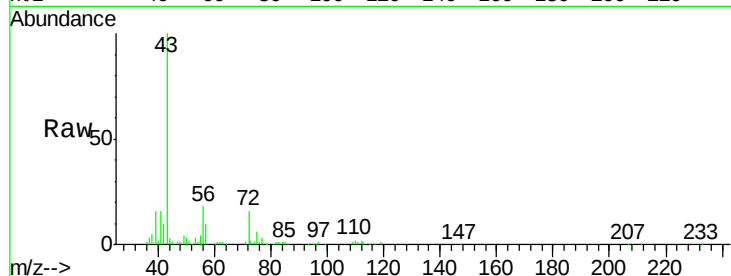
VSTDIC075

Tot Ion: 43 Resp: 213240

Ion Ratio Lower Upper

43 100

72 15.5 12.9 19.3



#26

2,2-Dichloropropane

Concen: 70.05 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059614.D

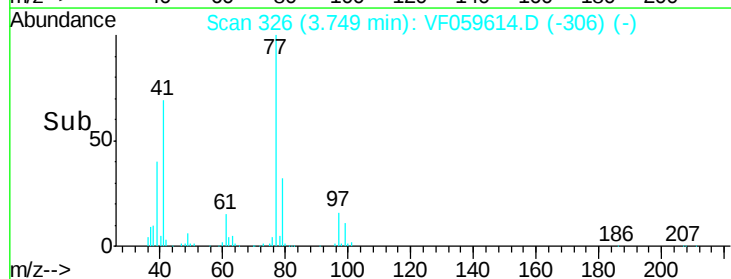
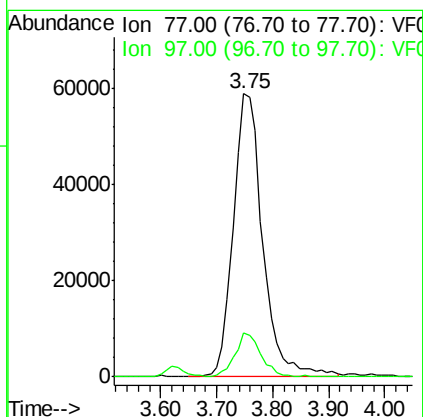
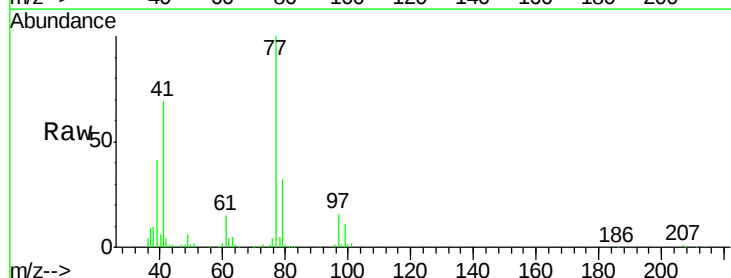
Acq: 23 Jul 2018 14:46

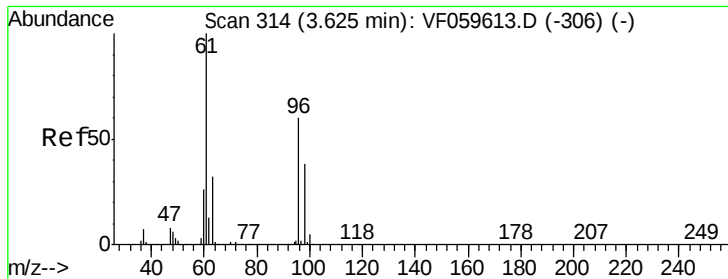
Tgt Ion: 77 Resp: 215091

Ion Ratio Lower Upper

77 100

97 15.5 7.1 21.3



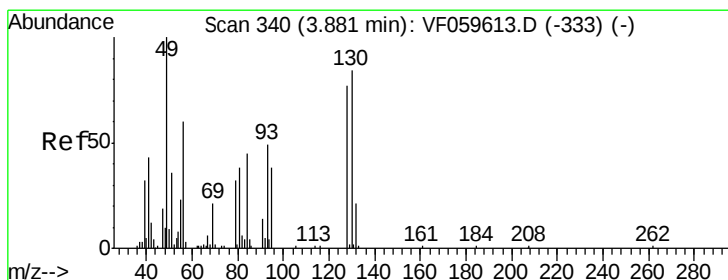
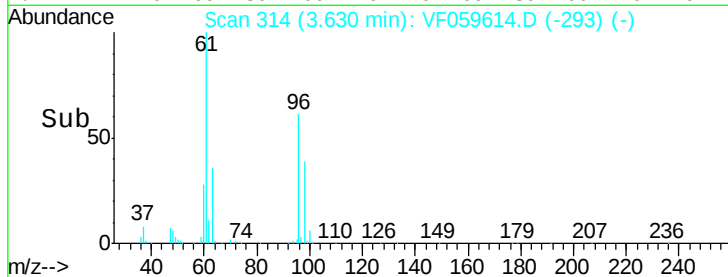
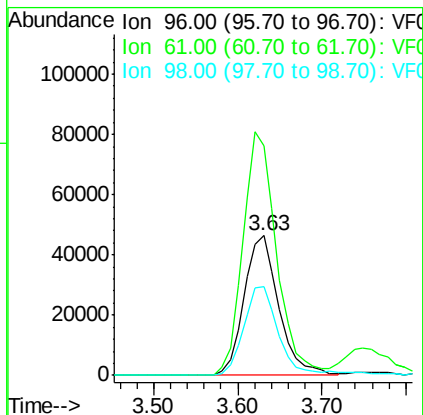
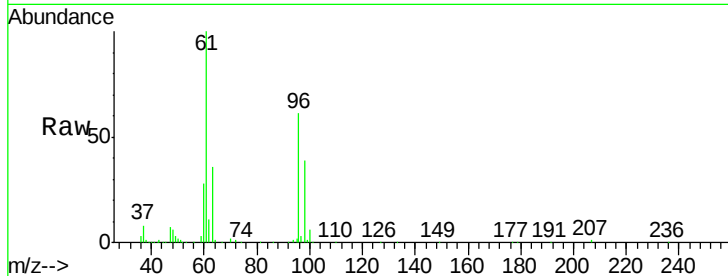


#27

cis-1,2-Dichloroethene
 Concen: 68.99 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

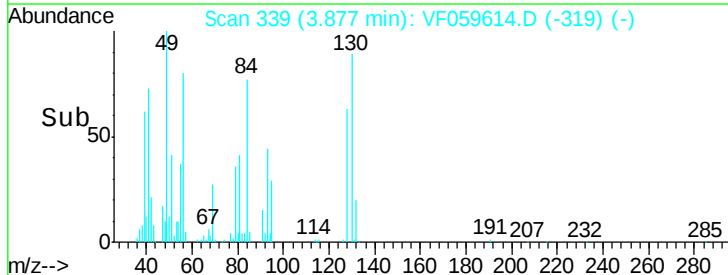
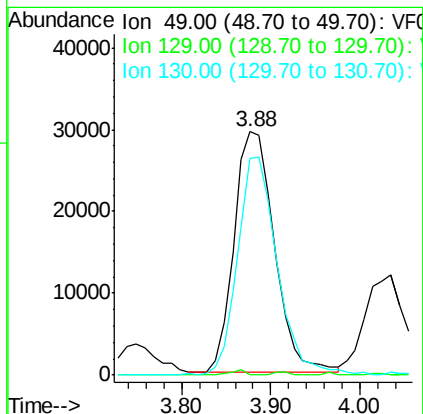
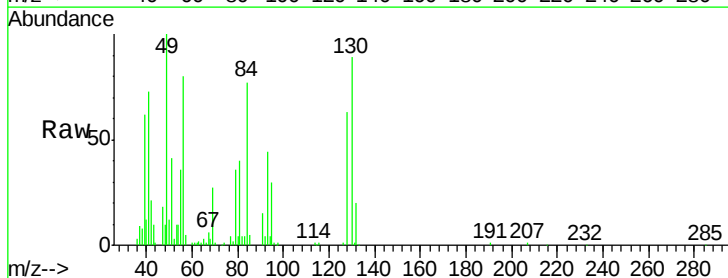
Tot Ion	96	Resp	133785
Ion Ratio	Lower	Upper	
96	100		
61	164.5	0.0	335.2
98	63.8	0.0	126.6

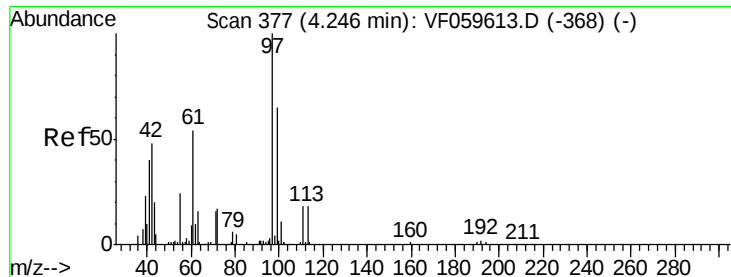


#28

Bromochloromethane
 Concen: 60.70 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	49	Resp	92830
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	4.6
130	89.0	67.1	100.7





#29

Tetrahydrofuran

Concen: 275.35 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

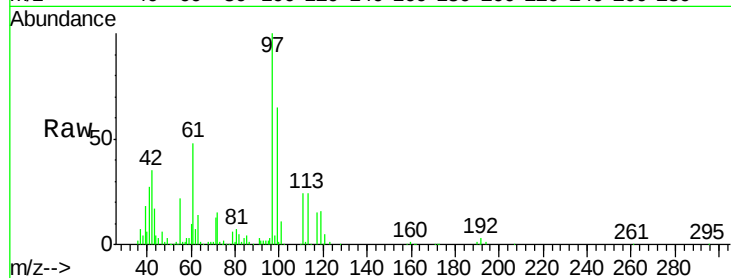
Tot Ion: 42 Resp: 82594

Ion Ratio Lower Upper

42 100

72 38.8 27.9 41.9

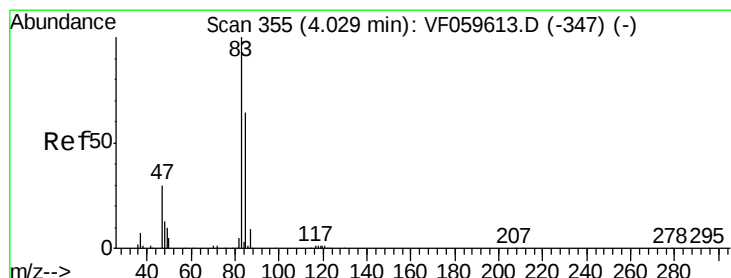
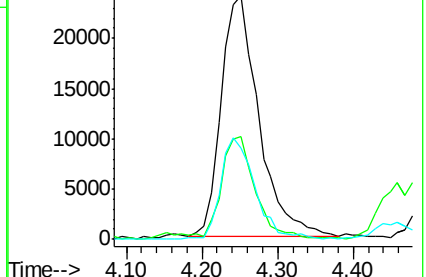
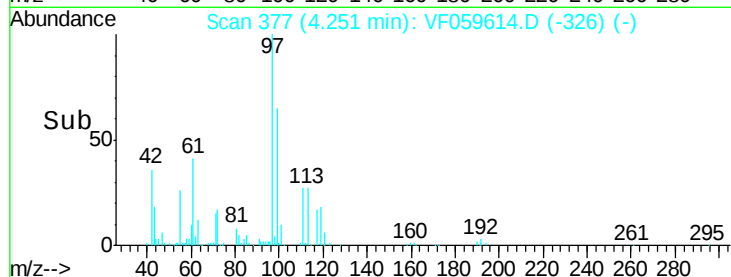
71 38.5 29.3 43.9



Abundance Ion 42.00 (41.70 to 42.70): VF059614.D (-326) (-)

Ion 72.00 (71.70 to 72.70): VF059614.D (-326) (-)

Ion 71.00 (70.70 to 71.70): VF059614.D (-326) (-)



#30

Chloroform

Concen: 65.61 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF059614.D

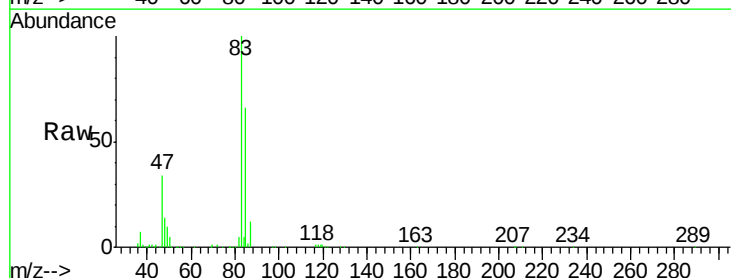
Acq: 23 Jul 2018 14:46

Tgt Ion: 83 Resp: 359132

Ion Ratio Lower Upper

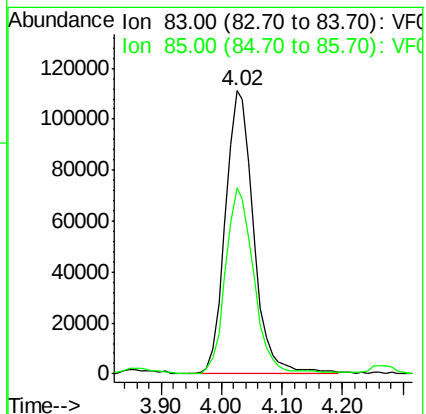
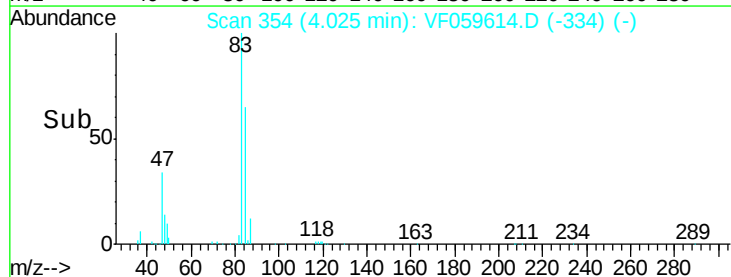
83 100

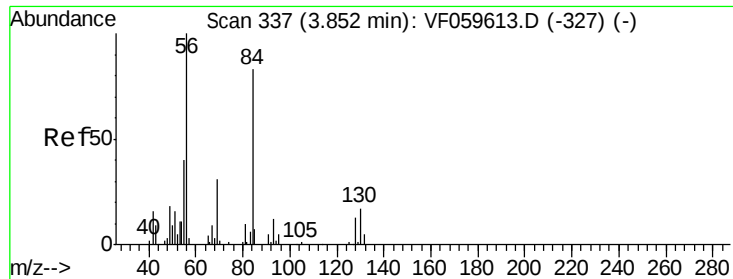
85 65.7 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF059614.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VF059614.D (-334) (-)

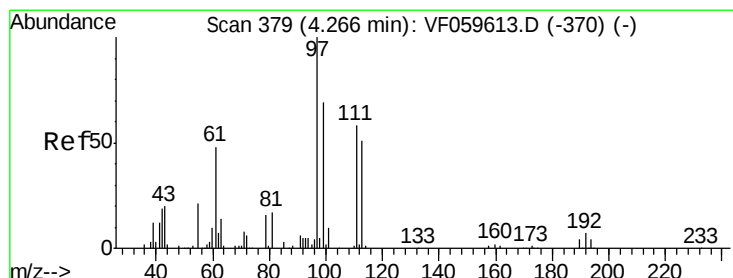
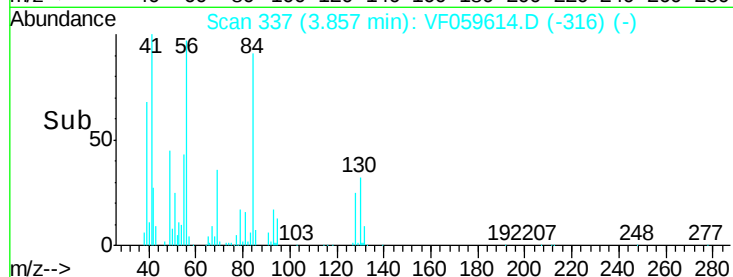
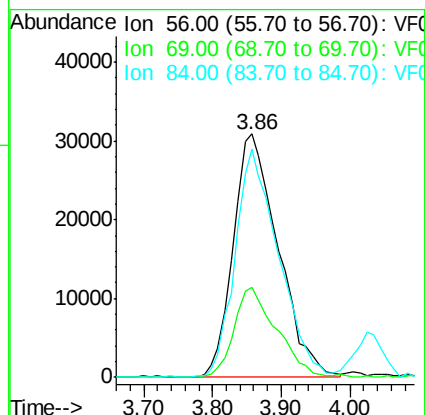
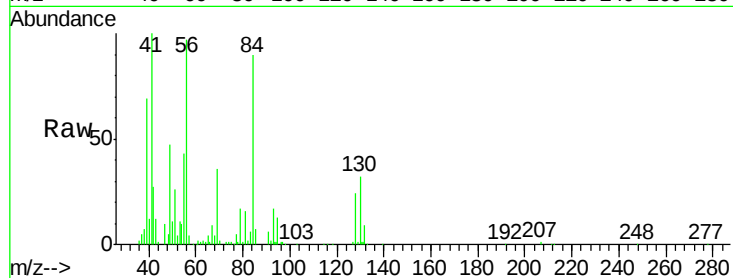




#31
Cyclohexane
Concen: 64.04 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

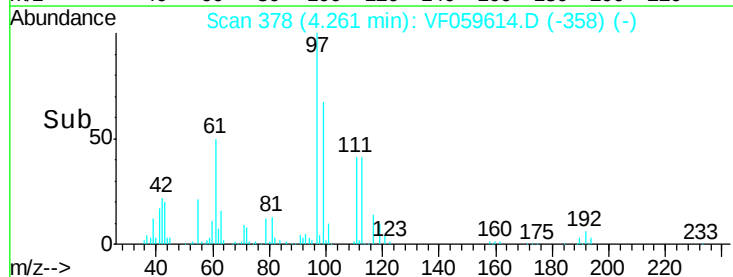
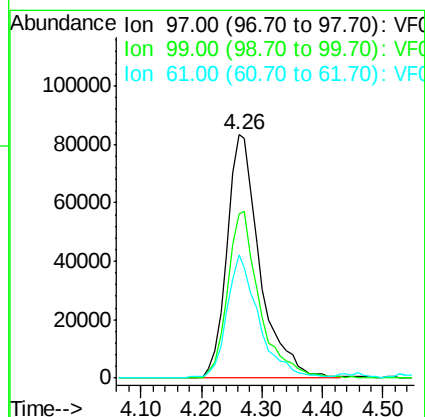
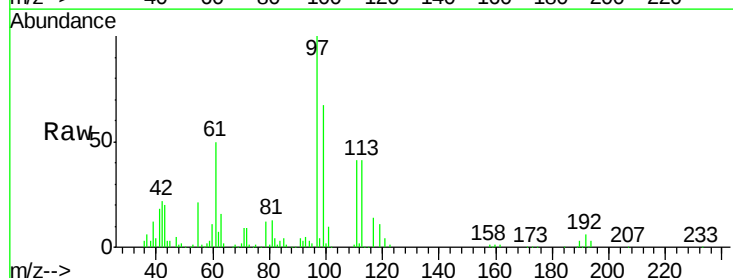
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

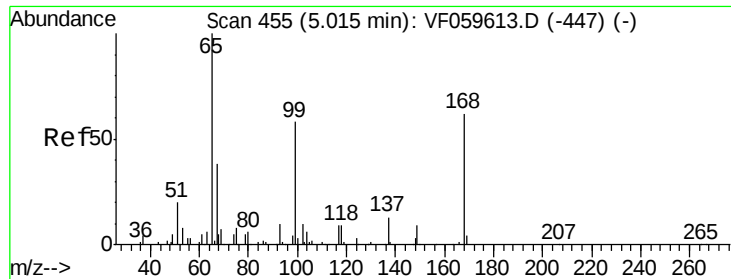
Tot Ion: 56 Resp: 139732
Ion Ratio Lower Upper
56 100
69 36.8 24.6 37.0
84 93.7 66.6 99.8



#32
1,1,1-Trichloroethane
Concen: 68.69 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 97 Resp: 314106
Ion Ratio Lower Upper
97 100
99 67.5 55.4 83.2
61 50.4 39.3 58.9

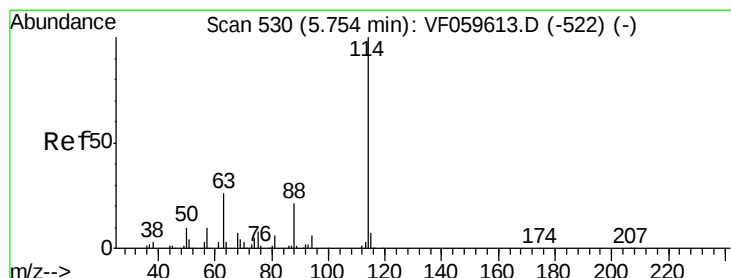
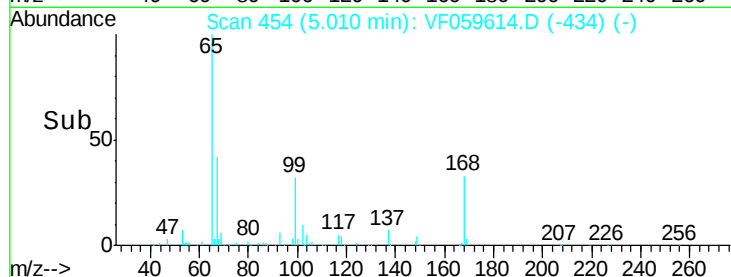
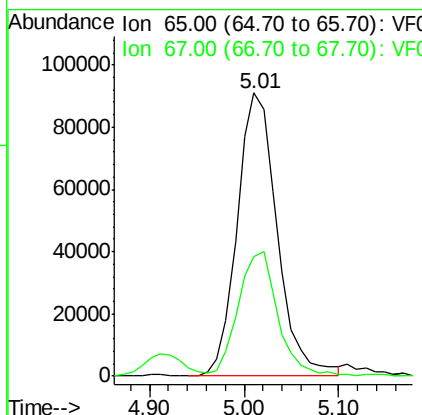
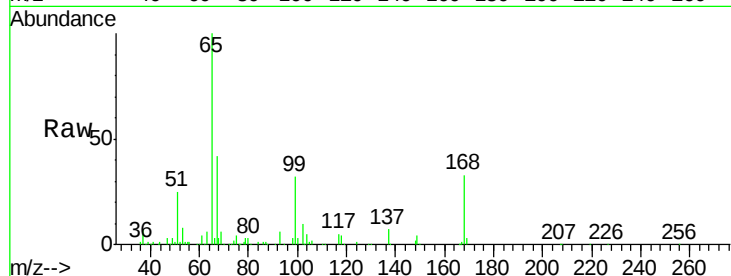




#33
 1,2-Dichloroethane-d4
 Concen: 72.68 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

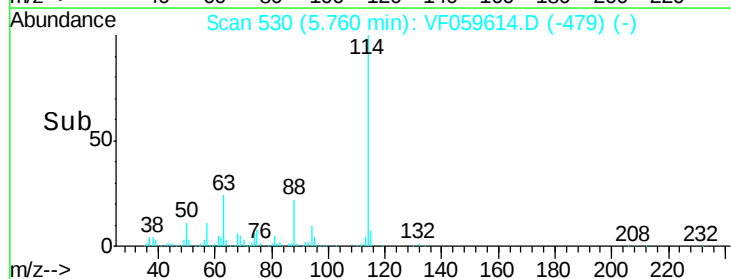
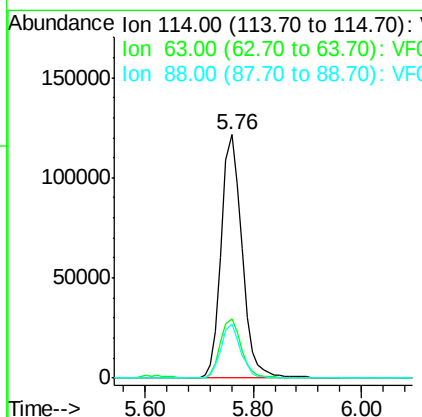
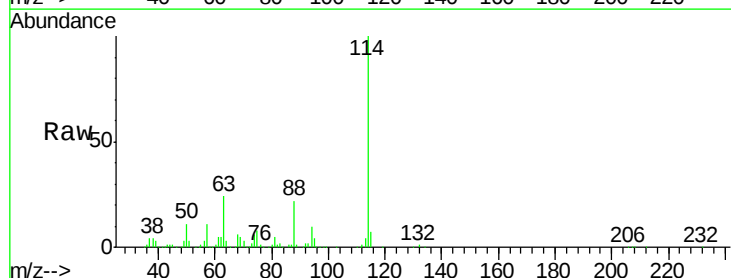
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

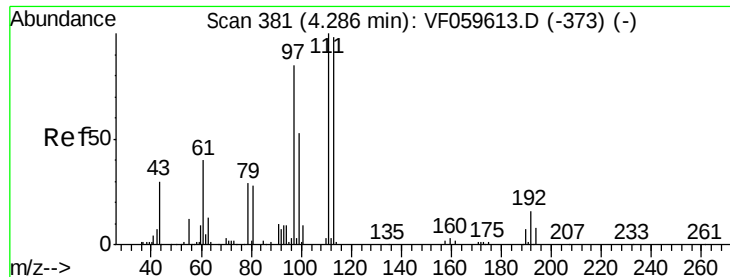
Tot Ion: 65 Resp: 265118
 Ion Ratio Lower Upper
 65 100
 67 42.2 0.0 83.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 114 Resp: 325662
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 51.8
 88 22.1 0.0 42.8

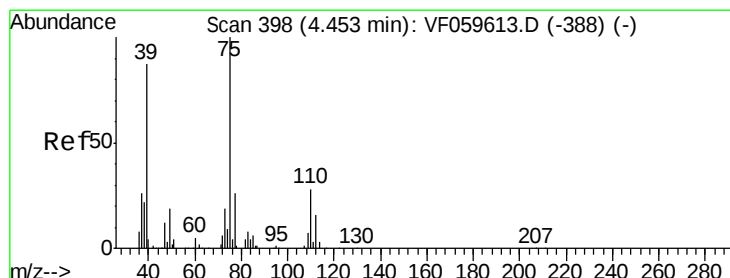
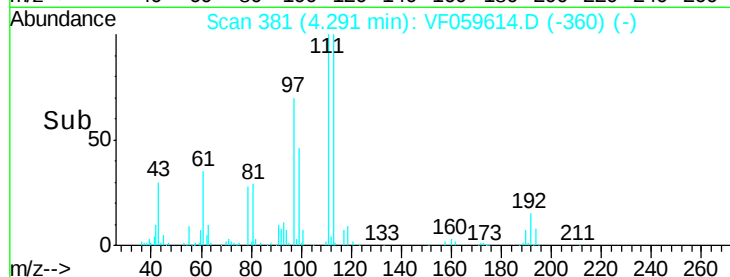
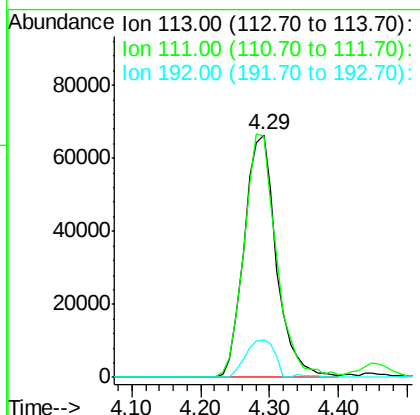
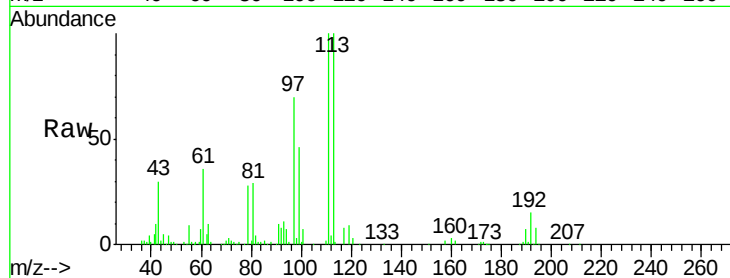




#35
 Dibromofluoromethane
 Concen: 73.91 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

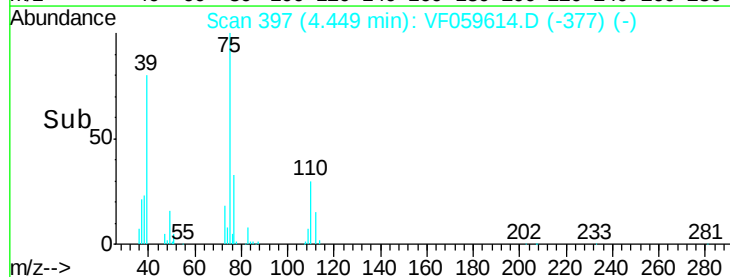
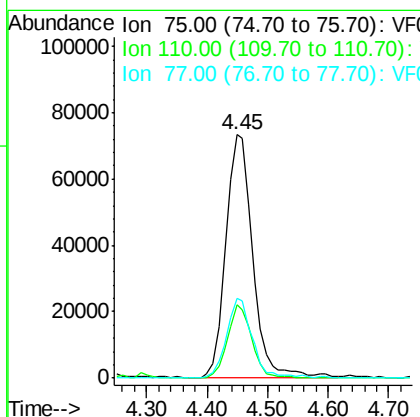
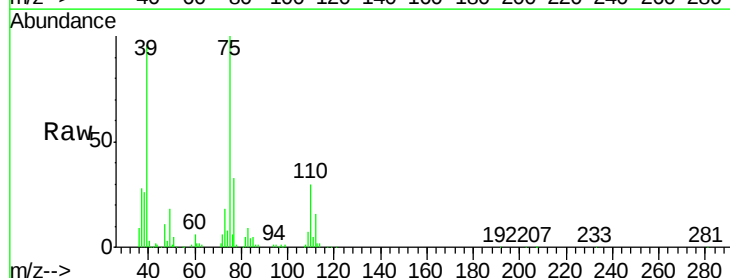
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

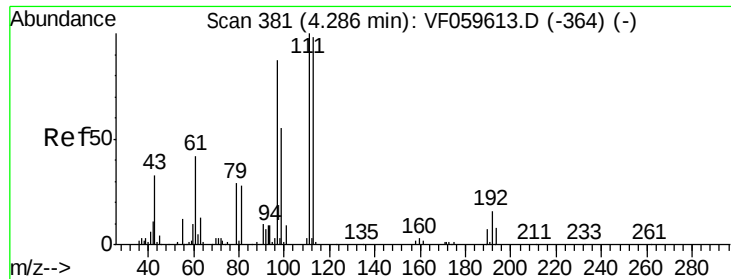
Tot Ion:113 Resp: 215879
 Ion Ratio Lower Upper
 113 100
 111 98.8 81.5 122.3
 192 15.2 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 68.40 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 75 Resp: 225964
 Ion Ratio Lower Upper
 75 100
 110 30.1 14.2 42.6
 77 32.5 20.3 30.5#

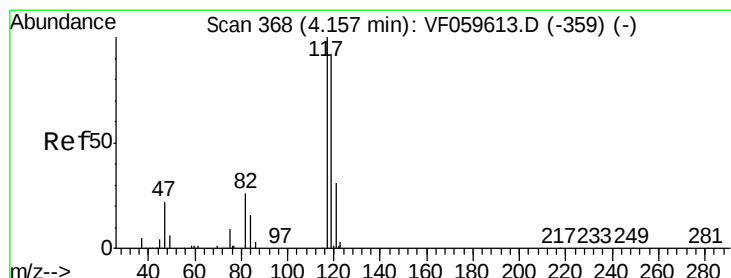
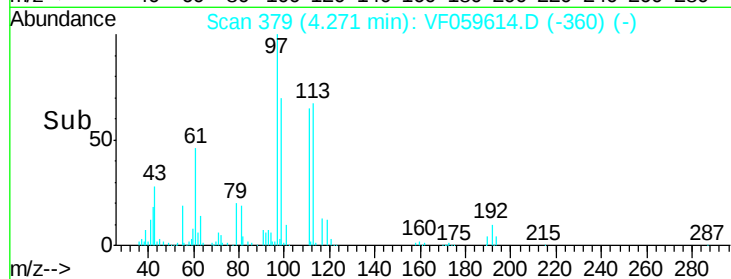
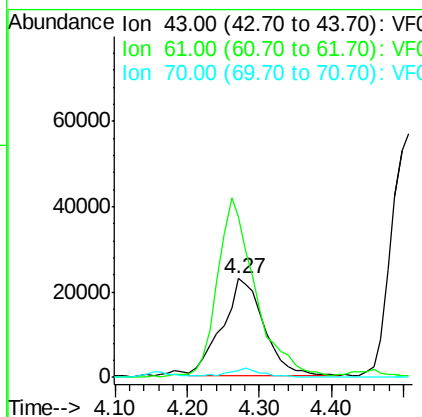
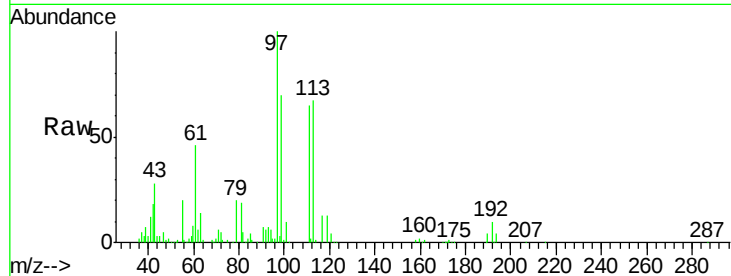




#37
Ethyl Acetate
Concen: 61.75 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

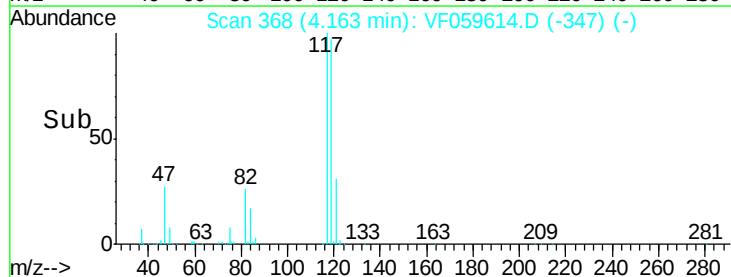
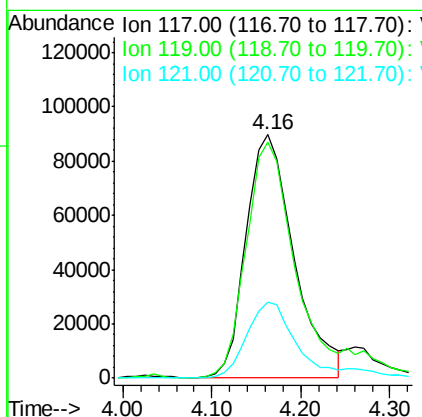
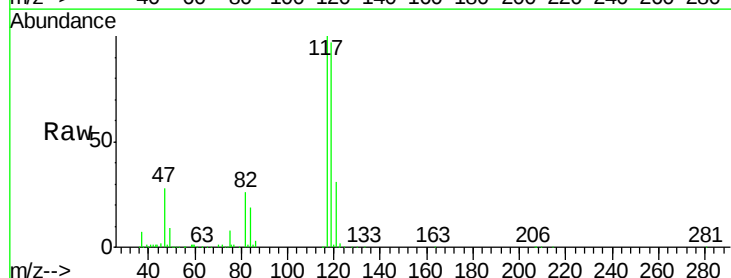
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

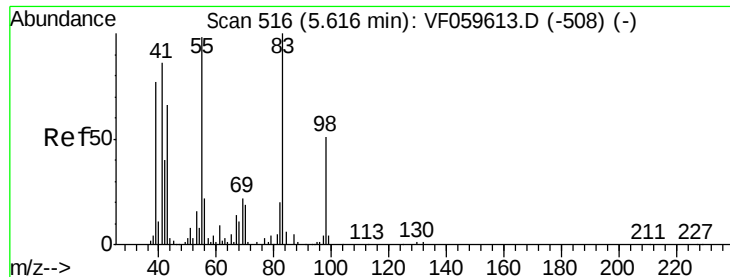
Tot Ion: 43 Resp: 91061
Ion Ratio Lower Upper
43 100
61 163.3 101.9 152.9#
70 6.4 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 68.81 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 117 Resp: 336736
Ion Ratio Lower Upper
117 100
119 97.2 74.2 111.4
121 31.2 24.7 37.1

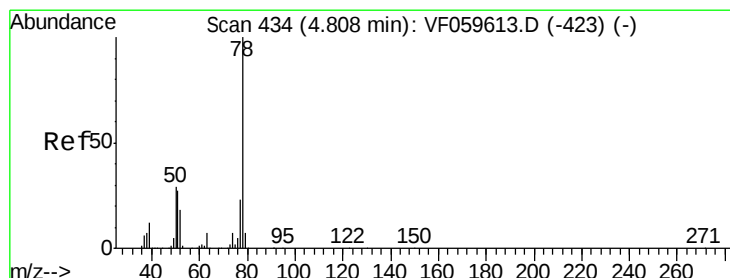
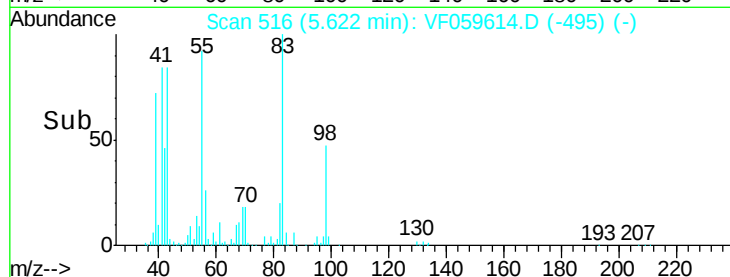
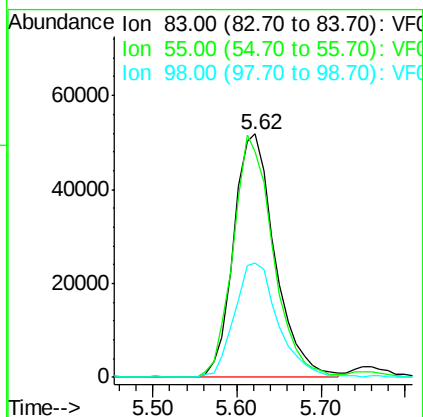
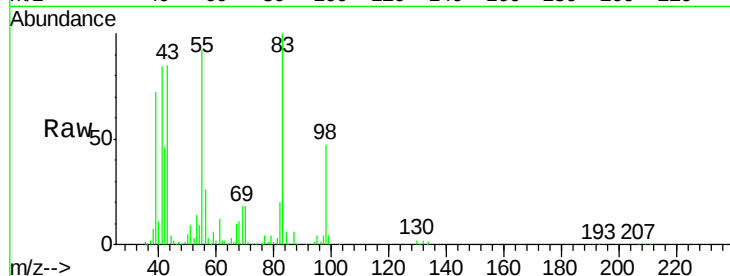




#39
Methvlcvclohexane
Concen: 67.70 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

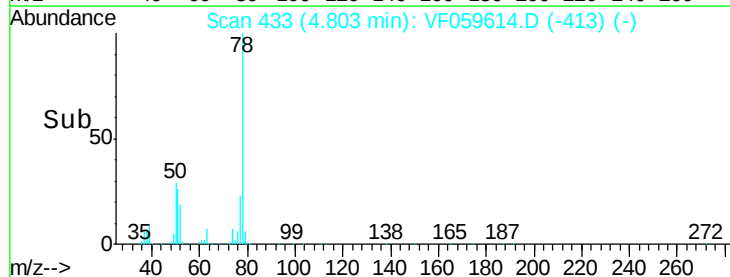
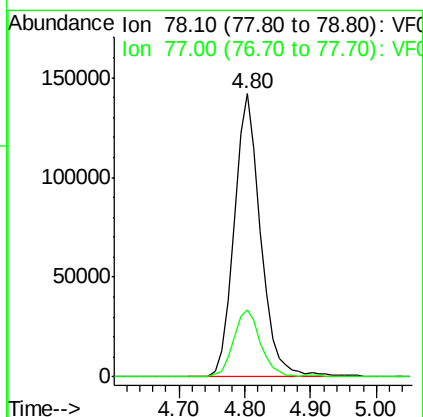
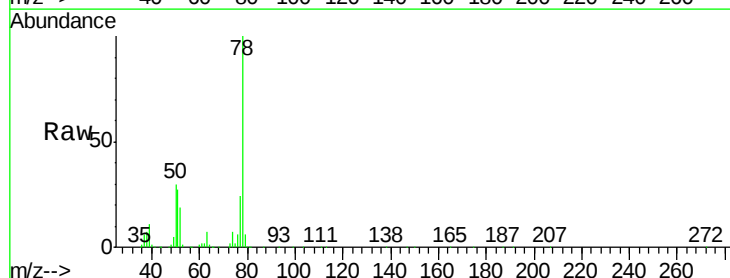
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

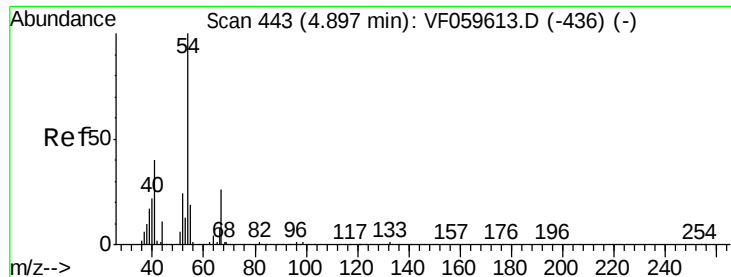
Tot Ion: 83 Resp: 177621
Ion Ratio Lower Upper
83 100
55 92.5 78.5 117.7
98 47.1 41.1 61.7



#40
Benzene
Concen: 65.34 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 78 Resp: 399609
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6





#41

Methacrylonitrile

Concen: 58.01 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.02 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 44171

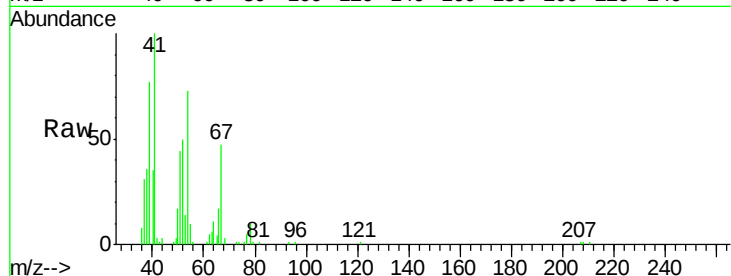
Ion Ratio Lower Upper

41 100

39 77.5 58.2 87.4

67 47.0 51.0 76.6#

52 50.5 80.1 120.1#

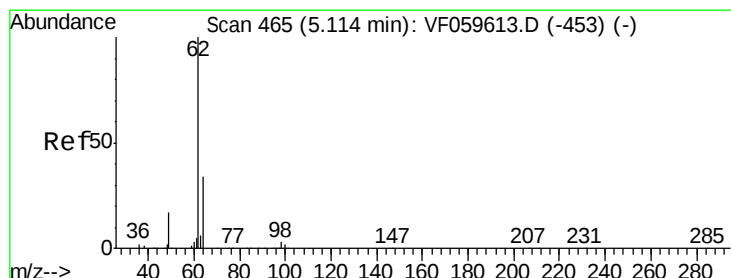
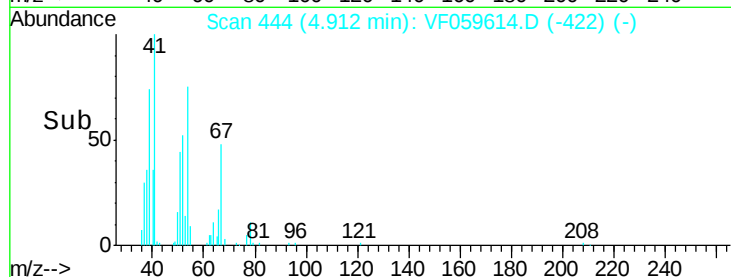
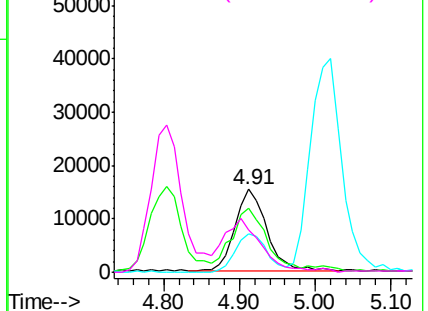


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 64.83 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.00 min

Lab File: VF059614.D

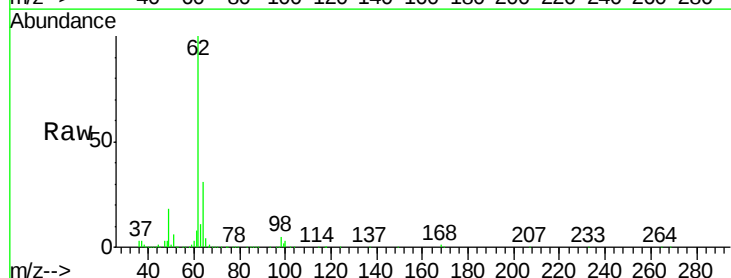
Acq: 23 Jul 2018 14:46

Tgt Ion: 62 Resp: 270541

Ion Ratio Lower Upper

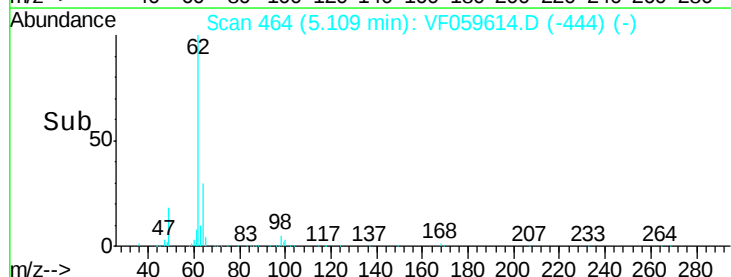
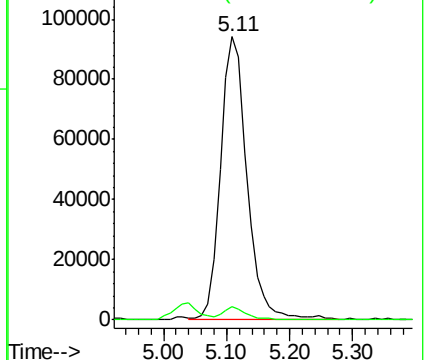
62 100

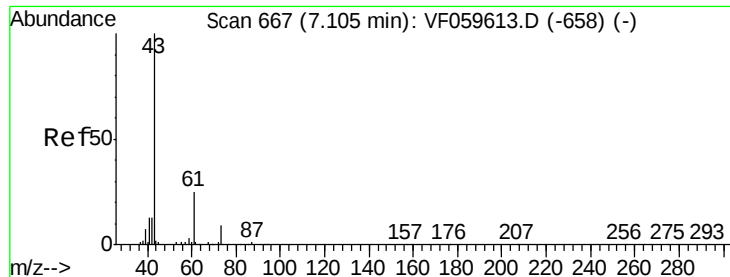
98 4.5 0.0 8.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 60.55 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

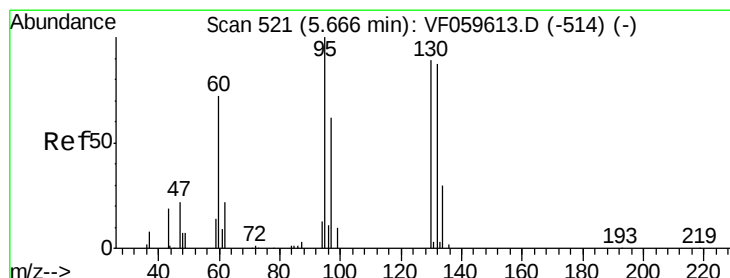
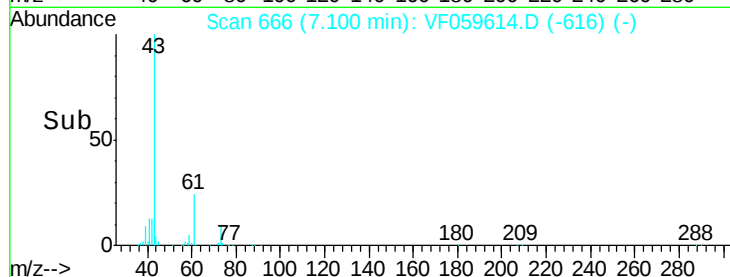
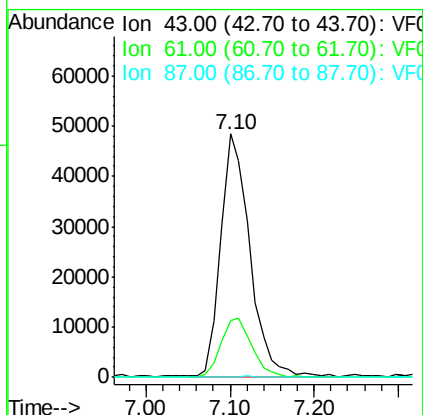
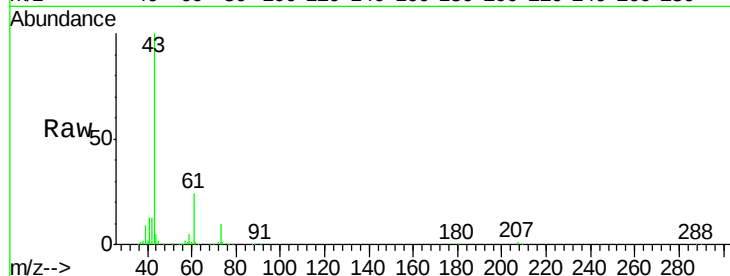
Tot Ion: 43 Resp: 115659

Ion Ratio Lower Upper

43 100

61 23.5 20.1 30.1

87 0.4 0.5 0.7#



#44

Trichloroethene

Concen: 64.95 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF059614.D

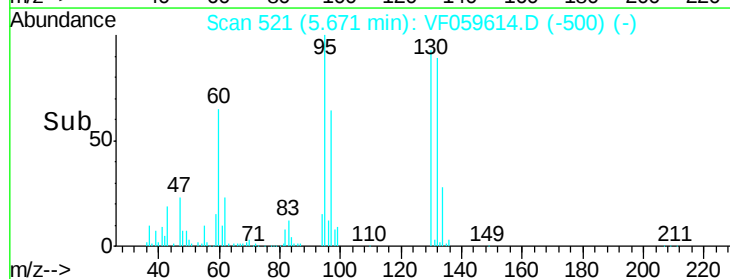
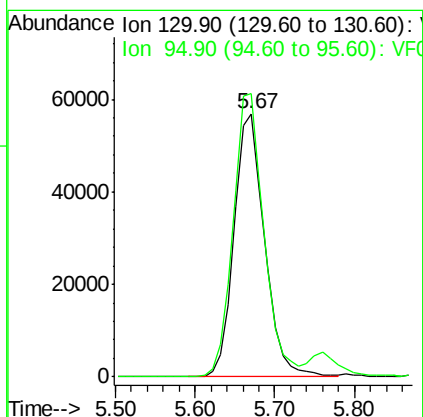
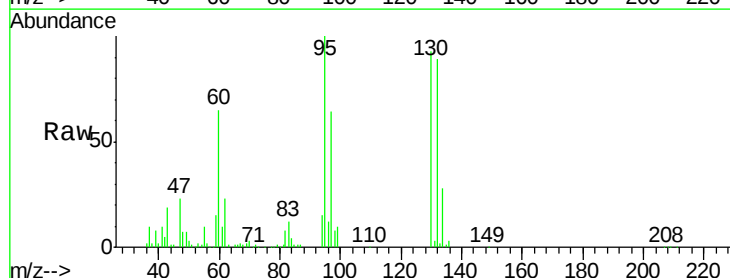
Acq: 23 Jul 2018 14:46

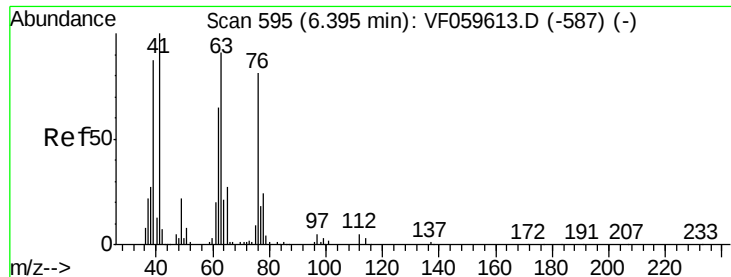
Tgt Ion:130 Resp: 151908

Ion Ratio Lower Upper

130 100

95 107.5 0.0 226.4

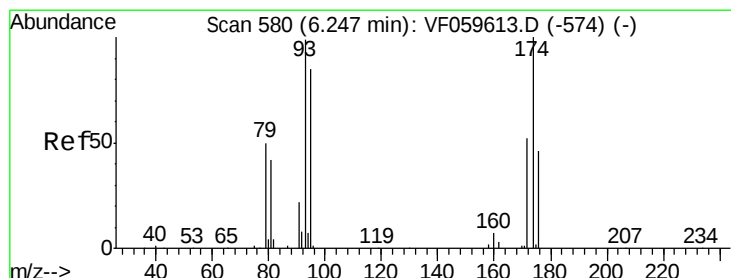
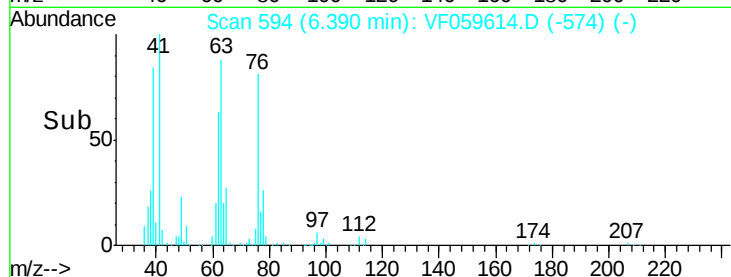
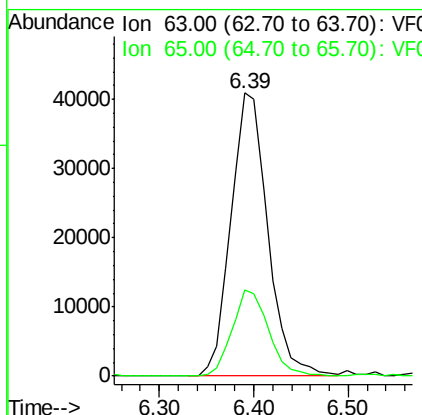
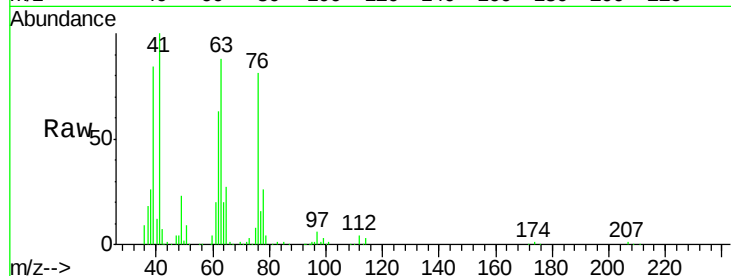




#45
 1,2-Dichloropropane
 Concen: 66.21 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

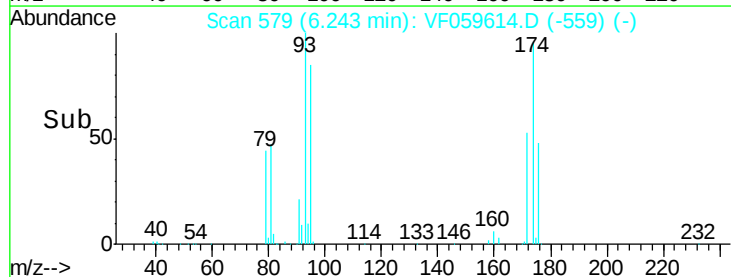
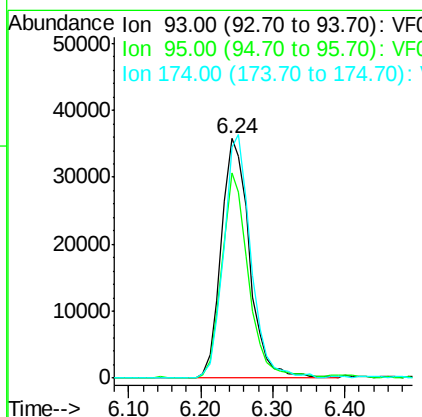
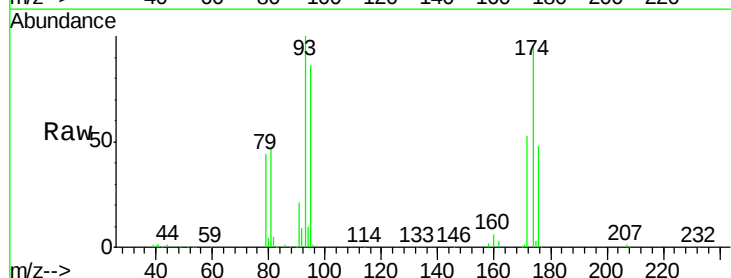
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

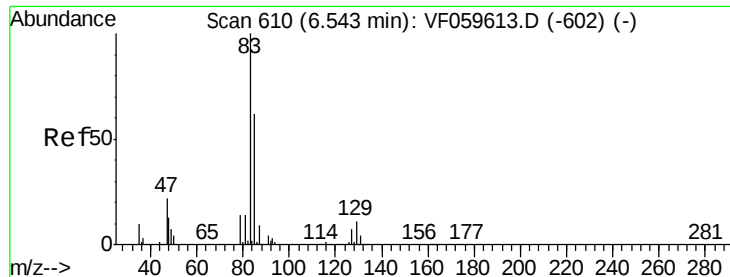
Tot Ion: 63 Resp: 110713
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.4 35.0



#46
 Dibromomethane
 Concen: 68.10 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 93 Resp: 97262
 Ion Ratio Lower Upper
 93 100
 95 85.9 68.6 102.8
 174 99.1 80.8 121.2





#47

Bromodichloromethane

Concen: 66.90 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

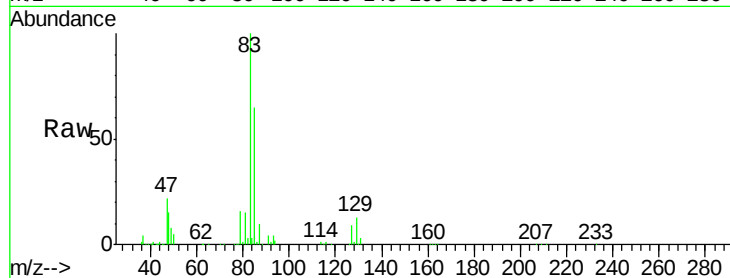
Tot Ion: 83 Resp: 279270

Ion Ratio Lower Upper

83 100

85 65.3 49.4 74.0

127 9.4 5.9 8.9#

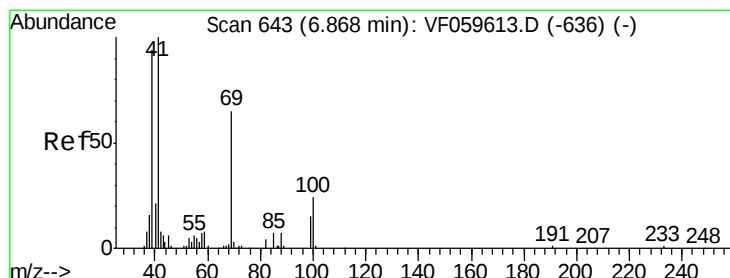
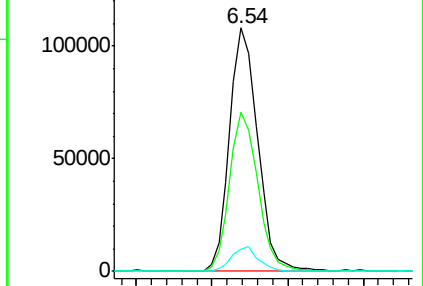
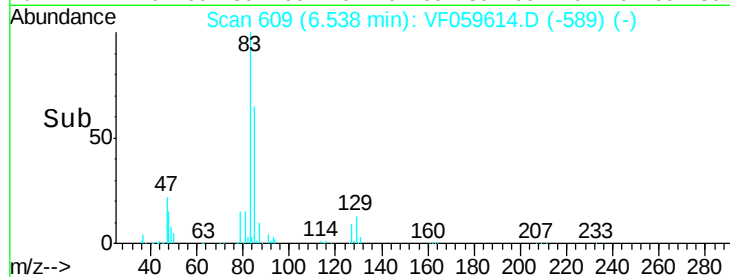


Abundance Ion 83.00 (82.70 to 83.70): VF059613.D (-602) (-)

Ion 85.00 (84.70 to 85.70): VF059613.D (-602) (-)

Ion 127.00 (126.70 to 127.70): VF059613.D (-602) (-)

Time-->



#48

Methyl methacrylate

Concen: 59.68 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

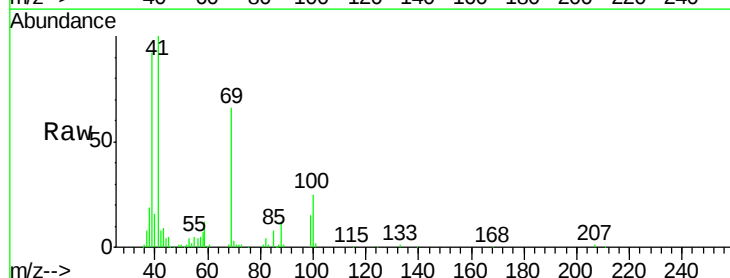
Tgt Ion: 41 Resp: 84963

Ion Ratio Lower Upper

41 100

69 66.5 51.6 77.4

39 92.1 76.3 114.5

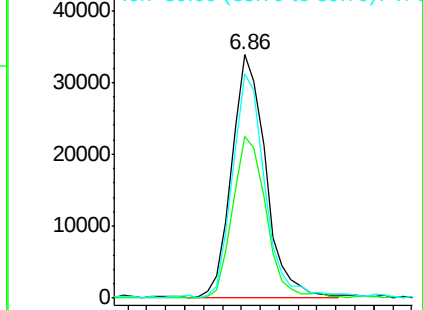
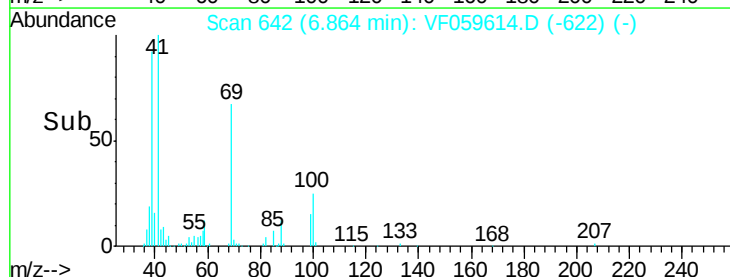


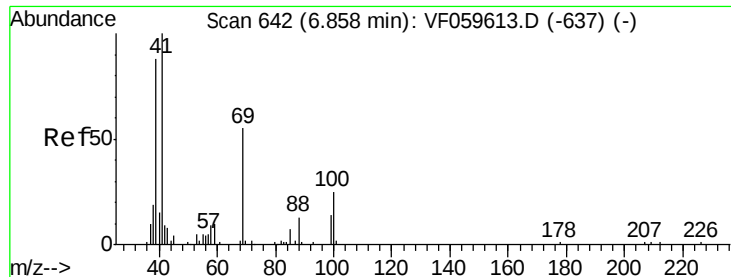
Abundance Ion 41.00 (40.70 to 41.70): VF059613.D (-636) (-)

Ion 69.00 (68.70 to 69.70): VF059613.D (-636) (-)

Ion 39.00 (38.70 to 39.70): VF059613.D (-636) (-)

Time-->





#49

1,4-Dioxane

Concen: 1493.57 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

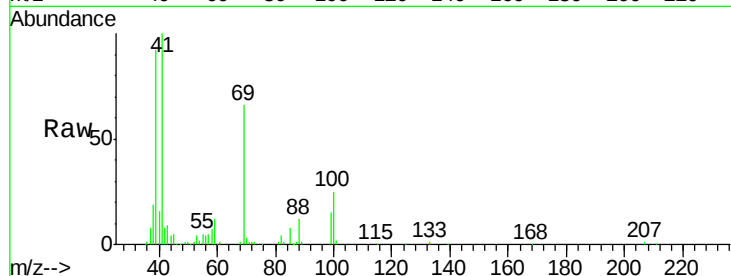
Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 12051

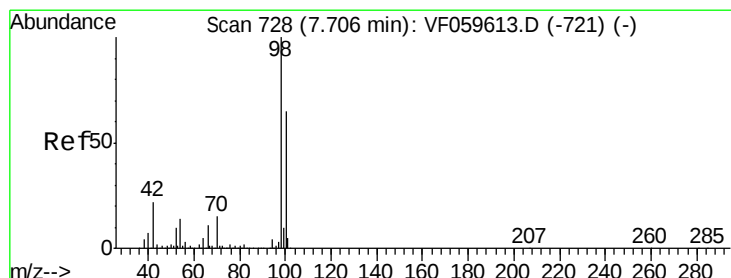
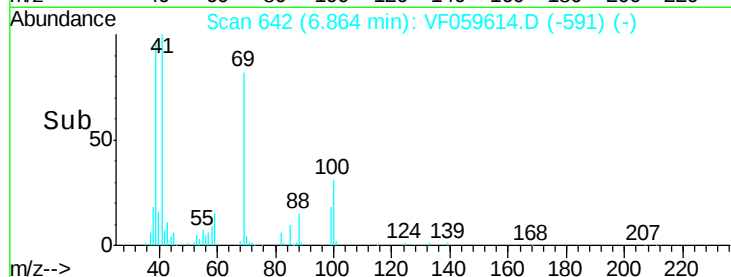
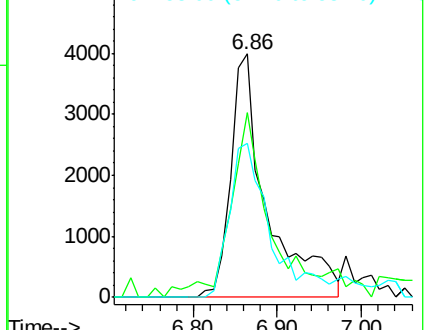
Ion	Ratio	Lower	Upper
88	100		
43	75.8	54.2	81.4
58	63.2	54.3	81.5



Abundance Ion 88.00 (87.70 to 88.70): VF059613.D (-637) (-)

Ion 43.00 (42.70 to 43.70): VF059613.D (-637) (-)

Ion 58.00 (57.70 to 58.70): VF059613.D (-637) (-)



#50

Toluene-d8

Concen: 76.00 ug/l

RT: 7.70 min Scan# 727

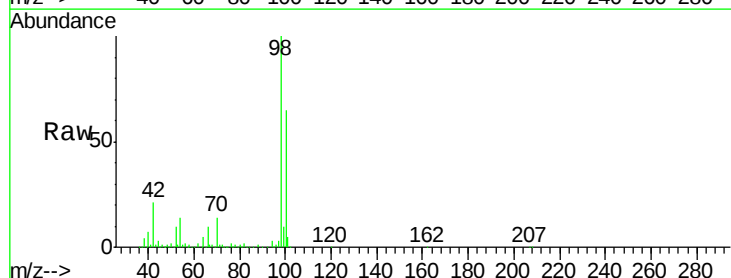
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

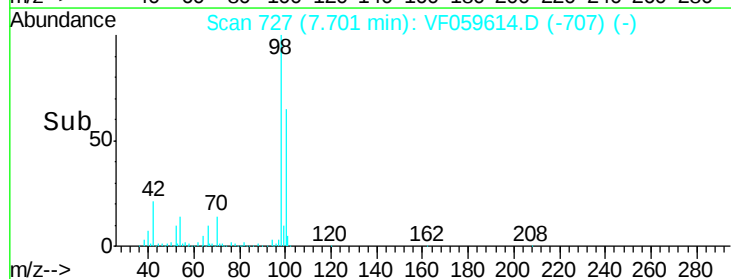
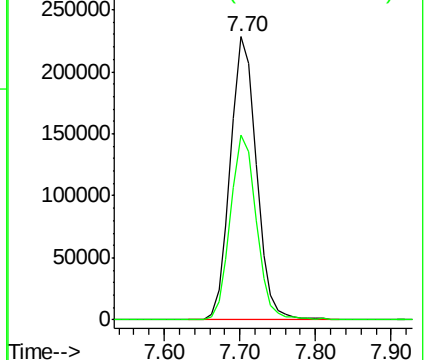
Tgt Ion: 98 Resp: 544901

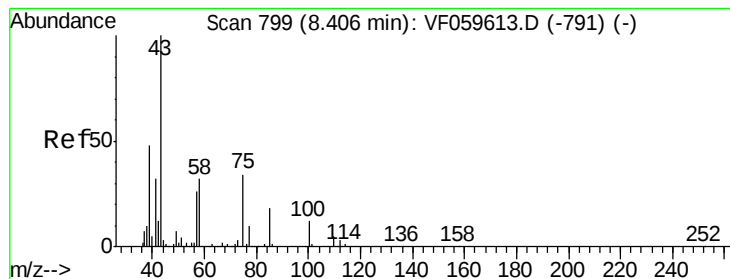
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VF059613.D (-721) (-)

Ion 100.00 (99.70 to 100.70): VF059613.D (-721) (-)





#51

4-Methyl-2-Pentanone

Concen: 318.30 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

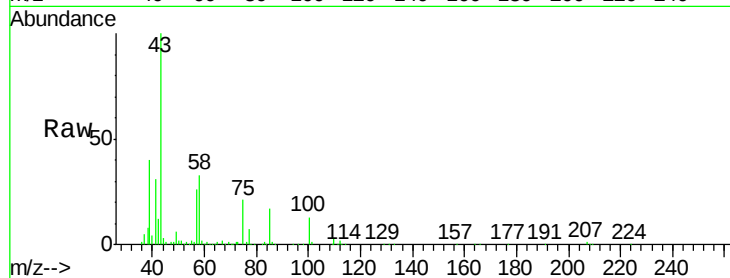
VSTDIC075

Tot Ion: 43 Resp: 424872

Ion Ratio Lower Upper

43 100

58 32.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF059613.D (-791) (-)

Ion 58.00 (57.70 to 58.70): VF059613.D (-791) (-)

200000

150000

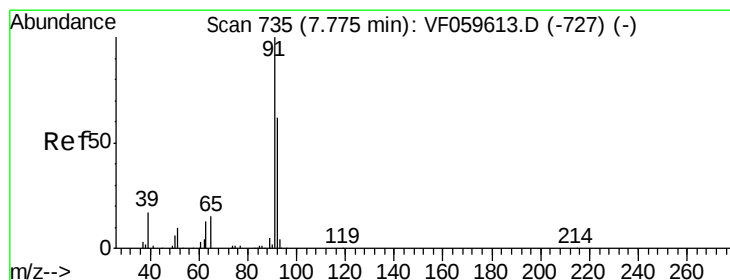
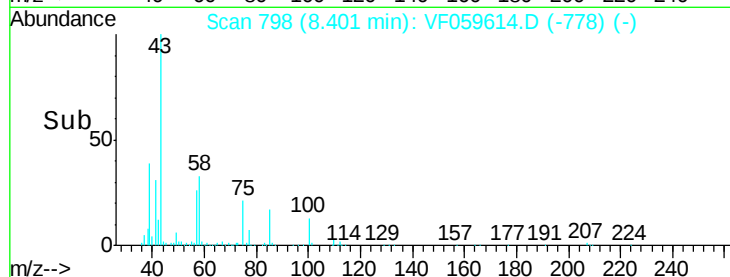
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 65.76 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059614.D

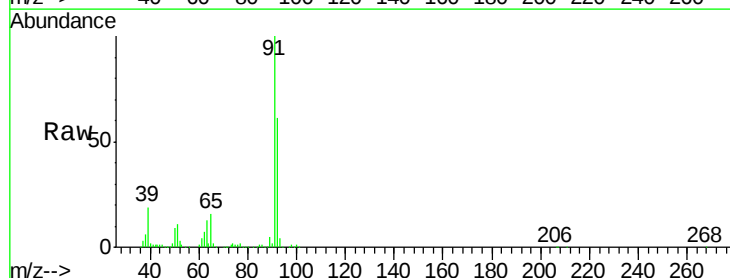
Acq: 23 Jul 2018 14:46

Tgt Ion: 92 Resp: 304823

Ion Ratio Lower Upper

92 100

91 164.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF059613.D (-727) (-)

Ion 91.00 (90.70 to 91.70): VF059613.D (-727) (-)

250000

200000

150000

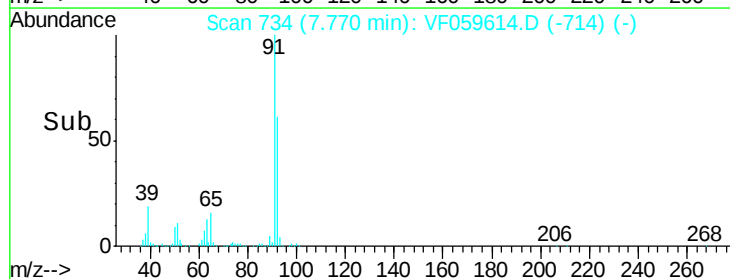
100000

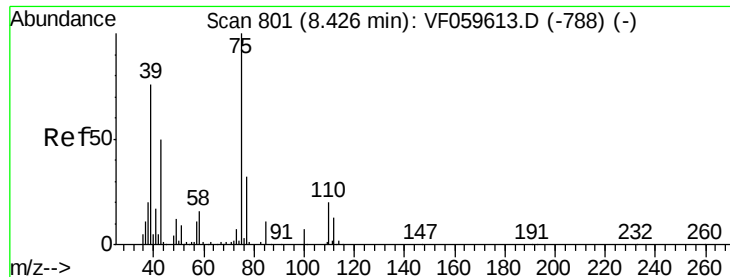
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 67.40 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

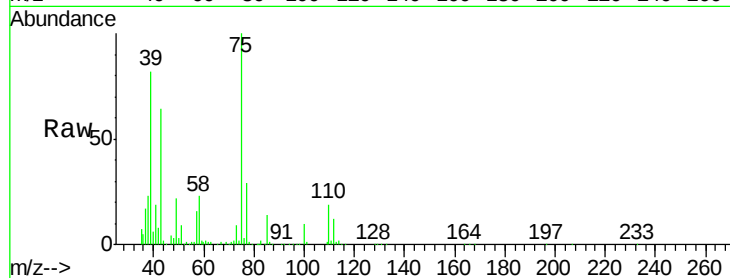
VSTDIC075

Tot Ion: 75 Resp: 238461

Ion Ratio Lower Upper

75 100

77 29.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VF059613.D (-788) (-)

Ion 77.00 (76.70 to 77.70): VF059613.D (-788) (-)

8.42

120000

100000

80000

60000

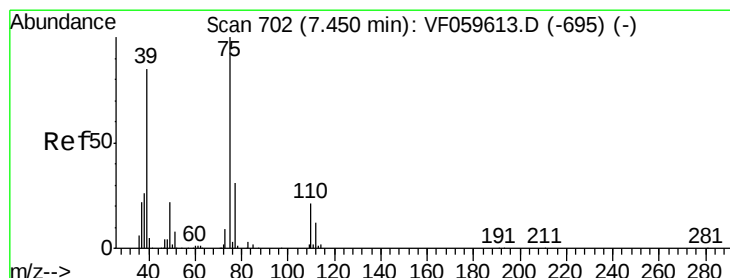
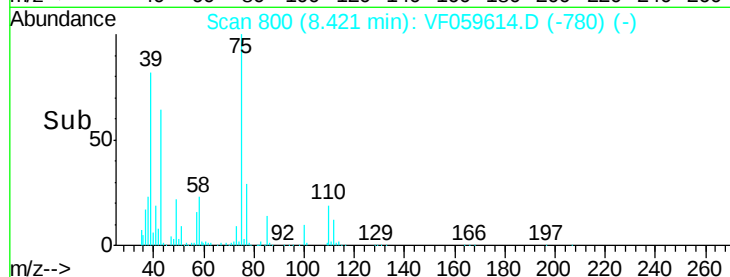
40000

20000

0

8.20 8.40 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 67.88 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

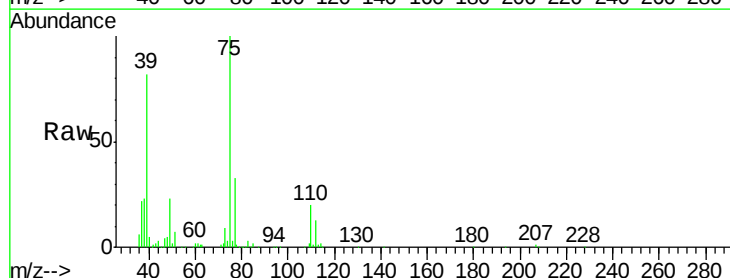
Tgt Ion: 75 Resp: 240501

Ion Ratio Lower Upper

75 100

77 33.5 24.6 37.0

39 81.5 67.8 101.6



Abundance Ion 75.00 (74.70 to 75.70): VF059613.D (-695) (-)

Ion 77.00 (76.70 to 77.70): VF059613.D (-695) (-)

Ion 39.00 (38.70 to 39.70): VF059613.D (-695) (-)

7.46

120000

100000

80000

60000

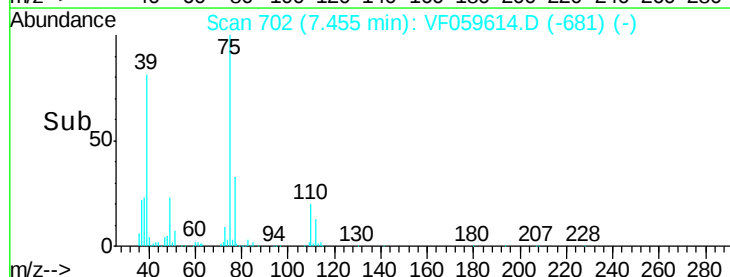
40000

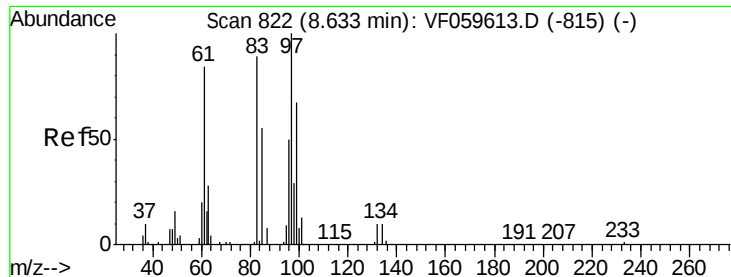
20000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 66.51 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 109175

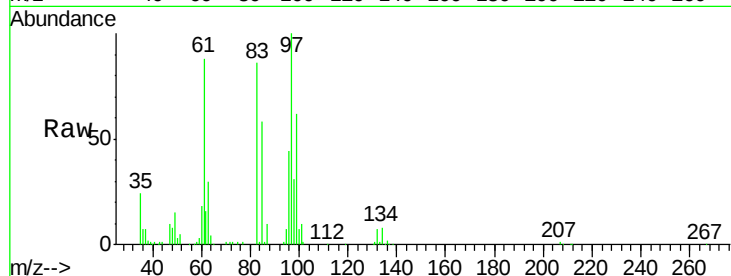
Ion Ratio Lower Upper

97 100

83 86.4 71.8 107.6

85 57.6 43.9 65.9

99 62.4 53.5 80.3

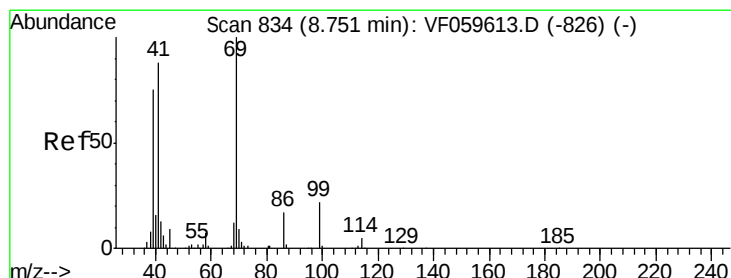
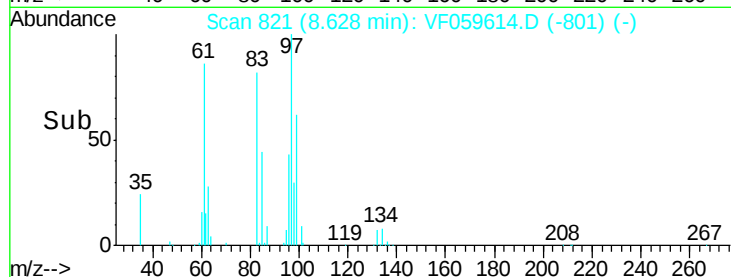
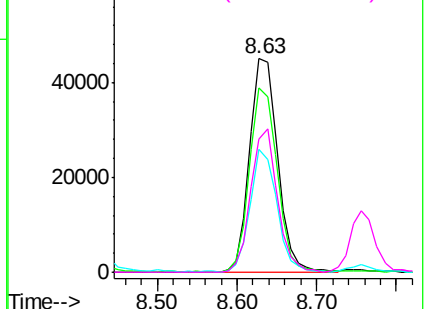


Abundance Ion 97.00 (96.70 to 97.70): VF059614.D (-801) (-)

Ion 82.95 (82.65 to 83.65): VF059614.D (-801) (-)

Ion 84.95 (84.65 to 85.65): VF059614.D (-801) (-)

Ion 98.95 (98.65 to 99.65): VF059614.D (-801) (-)



#56

Ethyl methacrylate

Concen: 67.77 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

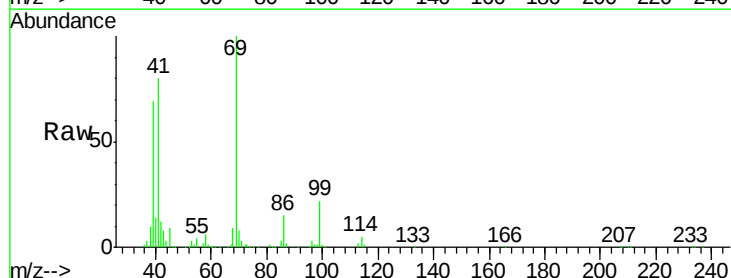
Tgt Ion: 69 Resp: 128095

Ion Ratio Lower Upper

69 100

41 80.3 70.8 106.2

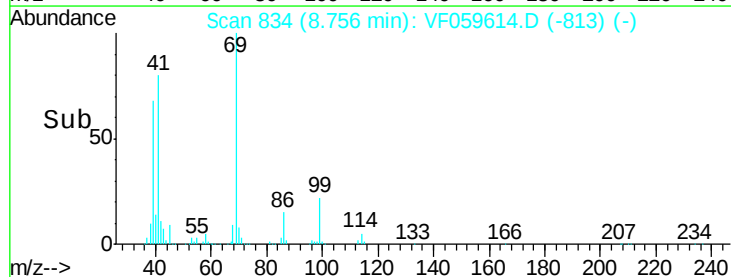
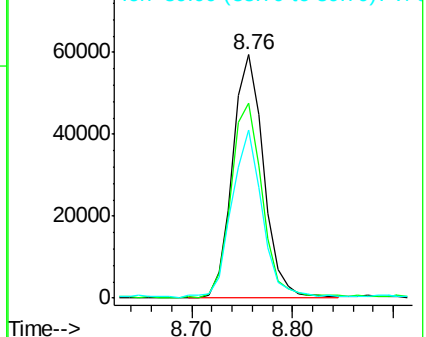
39 69.2 60.7 91.1

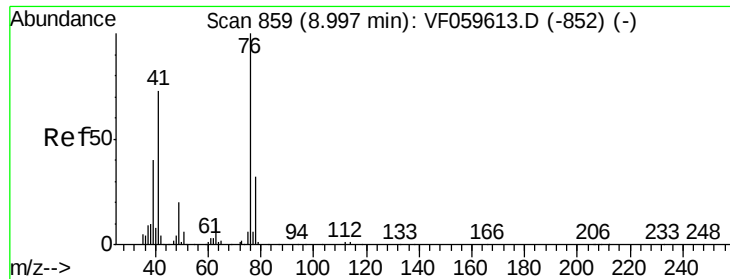


Abundance Ion 69.00 (68.70 to 69.70): VF059614.D (-813) (-)

Ion 41.00 (40.70 to 41.70): VF059614.D (-813) (-)

Ion 39.00 (38.70 to 39.70): VF059614.D (-813) (-)





#57

1,3-Dichloropropane

Concen: 65.99 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

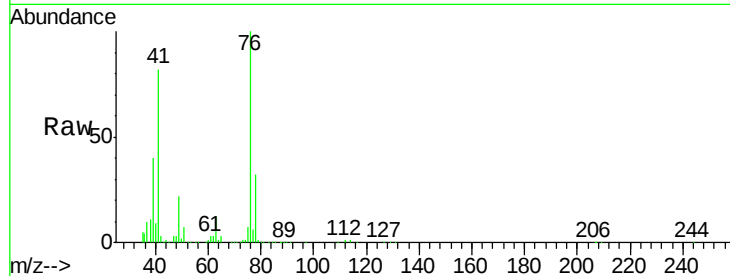
VSTDIC075

Tot Ion: 76 Resp: 189385

Ion Ratio Lower Upper

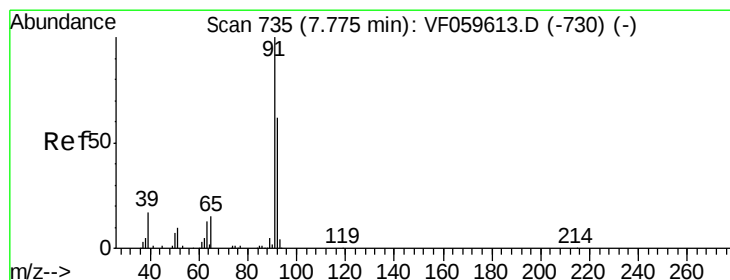
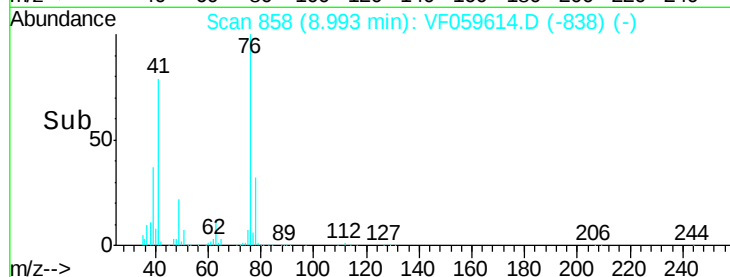
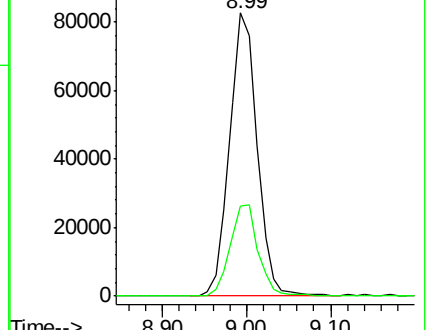
76 100

78 31.9 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF059613.D (-852) (-)

Ion 78.00 (77.70 to 78.70): VF059613.D (-852) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 328.28 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059614.D

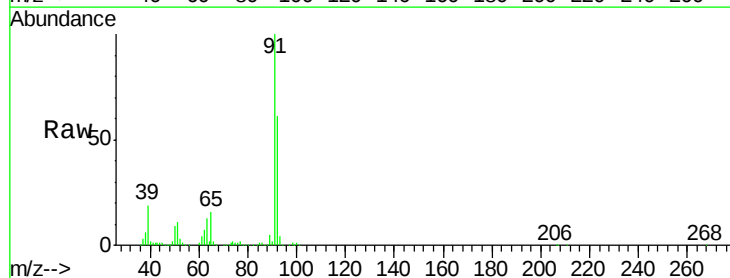
Acq: 23 Jul 2018 14:46

Tgt Ion: 63 Resp: 65790

Ion Ratio Lower Upper

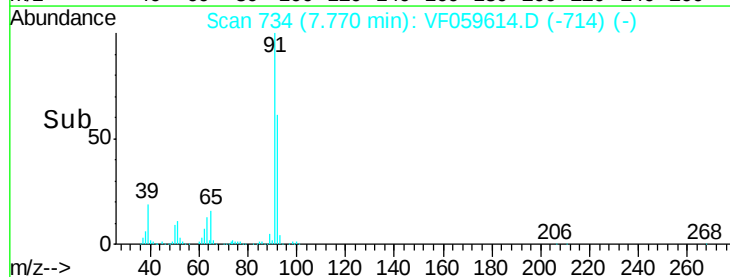
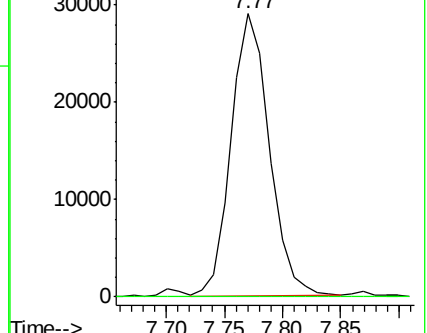
63 100

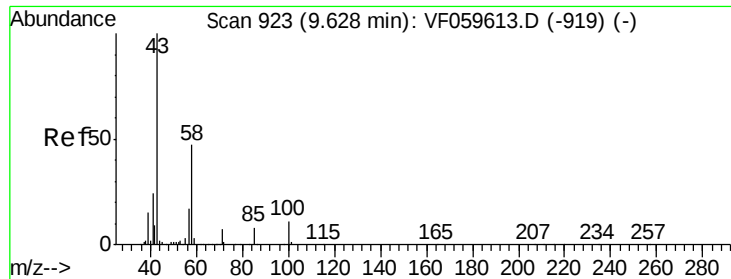
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF059613.D (-730) (-)

Ion 106.00 (105.70 to 106.70): VF059613.D (-730) (-)

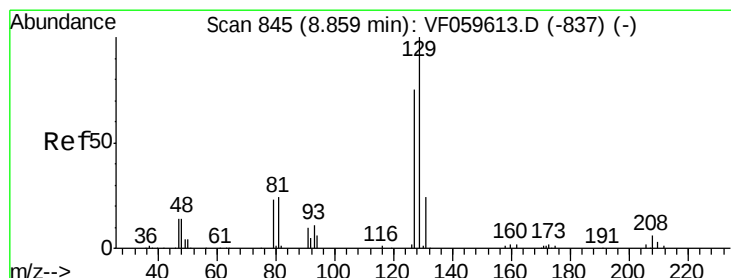
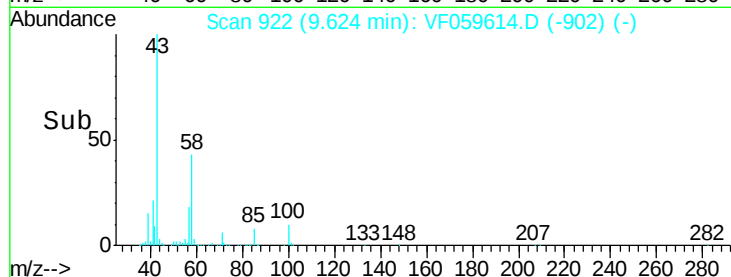
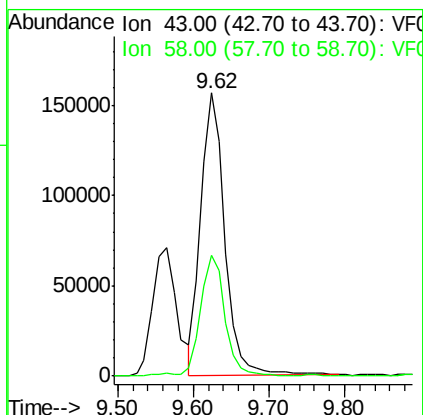
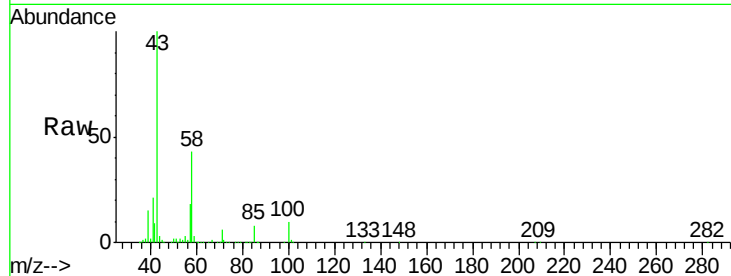




#59
2-Hexanone
Concen: 320.86 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

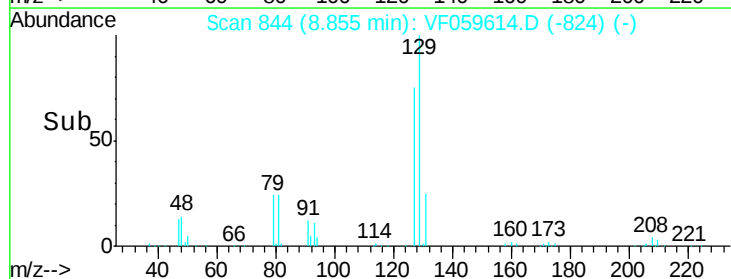
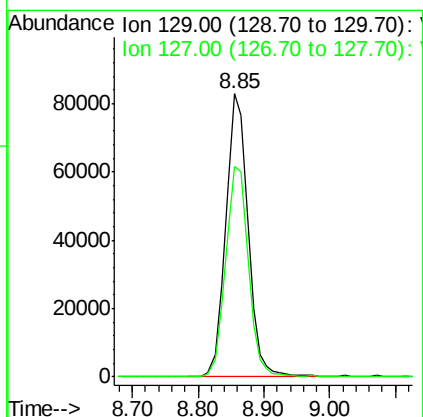
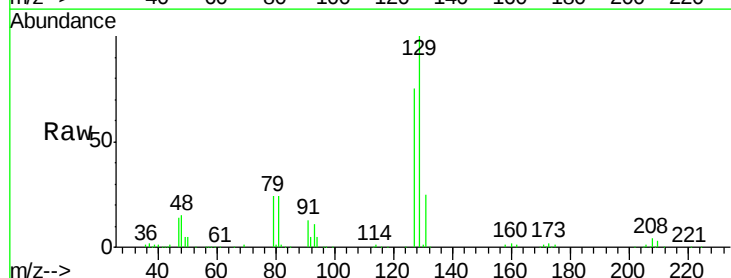
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

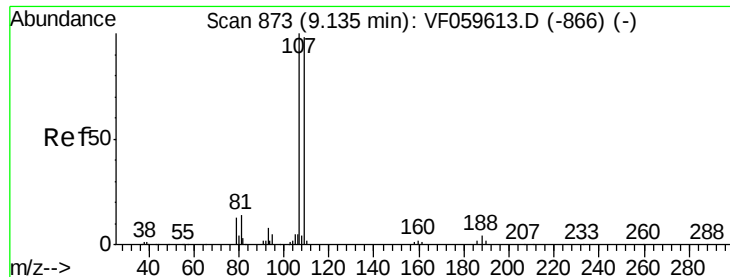
Tot Ion: 43 Resp: 346513
Ion Ratio Lower Upper
43 100
58 42.9 21.1 63.4



#60
Dibromochloromethane
Concen: 68.86 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 129 Resp: 197754
Ion Ratio Lower Upper
129 100
127 74.5 37.5 112.7





#61

1,2-Dibromoethane

Concen: 65.13 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

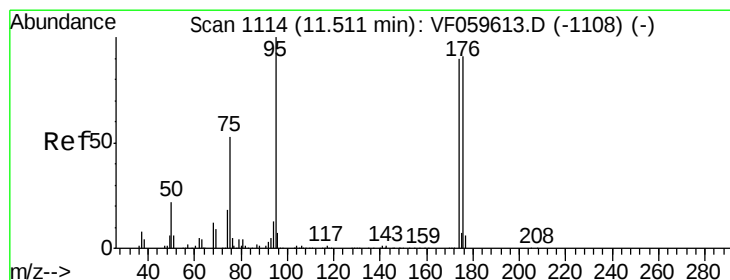
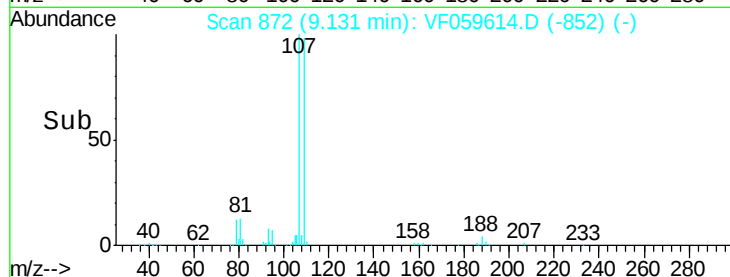
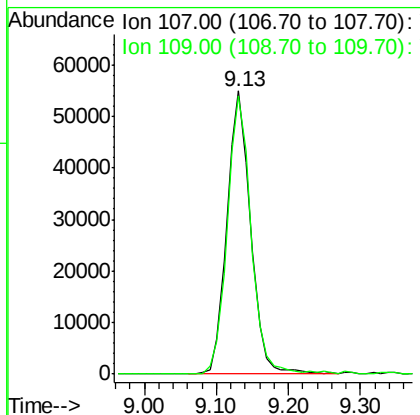
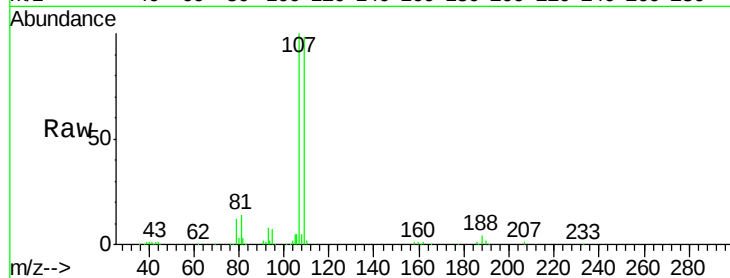
VSTDIC075

Tot Ion:107 Resp: 125674

Ion Ratio Lower Upper

107 100

109 98.4 78.2 117.4



#62

4-Bromofluorobenzene

Concen: 72.73 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

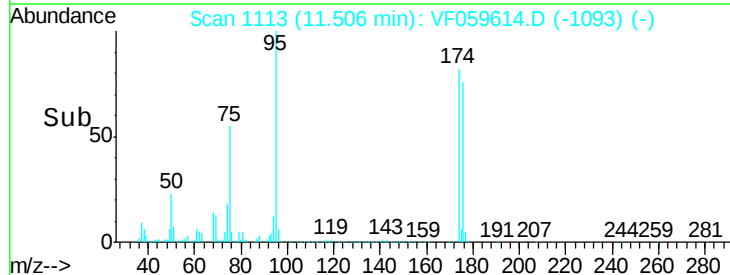
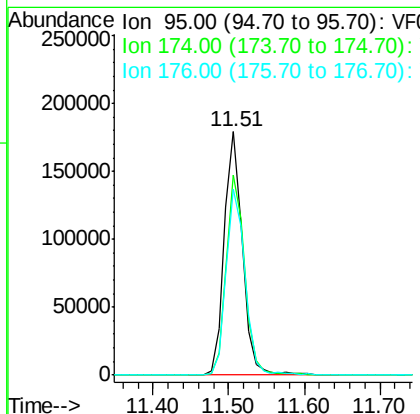
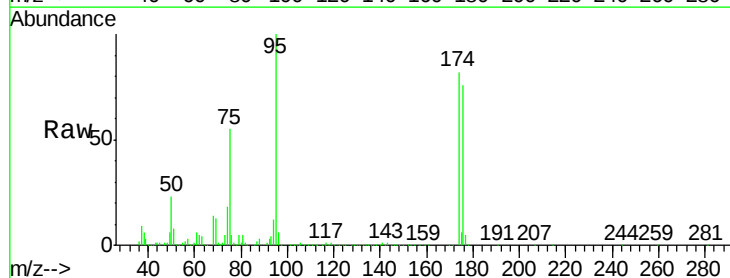
Tgt Ion: 95 Resp: 300396

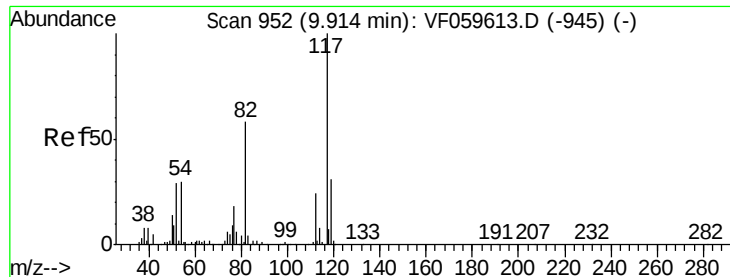
Ion Ratio Lower Upper

95 100

174 82.3 0.0 180.6

176 76.2 0.0 182.4

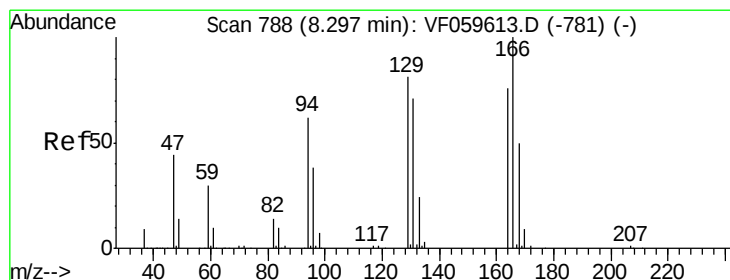
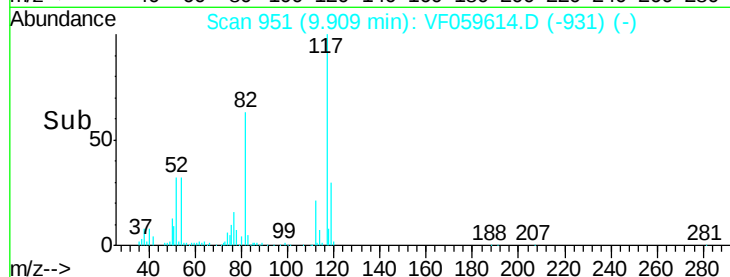
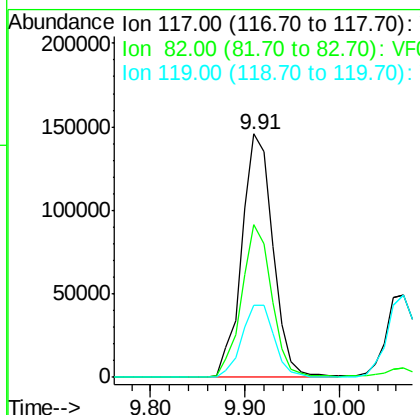
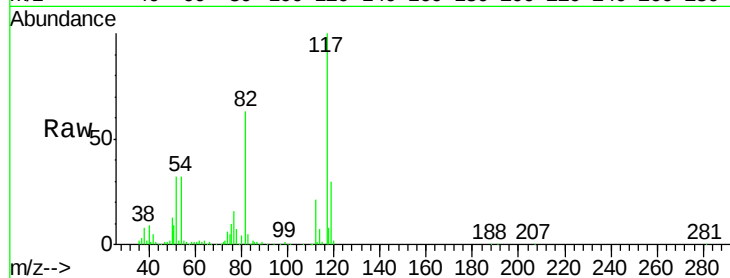




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

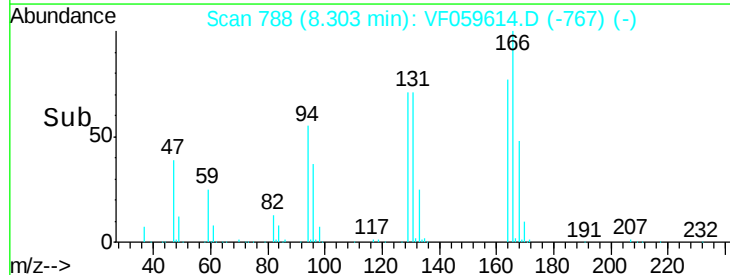
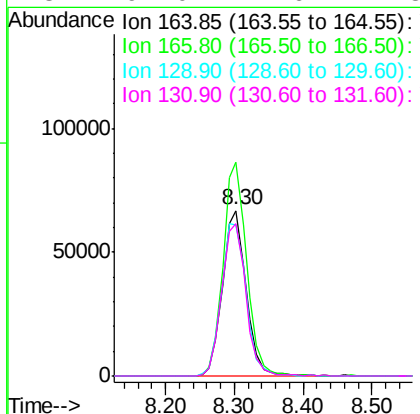
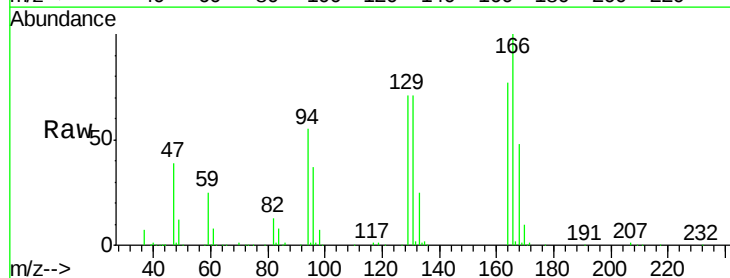
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

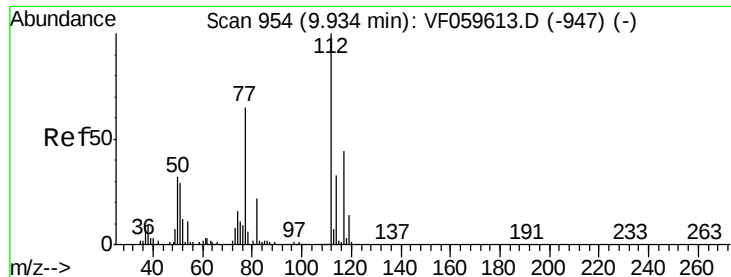
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	46.5	69.7
119	29.7	24.4	36.6



#64
Tetrachloroethene
Concen: 62.78 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	104.8	157.2
129	91.6	85.3	127.9
131	92.0	74.6	111.8

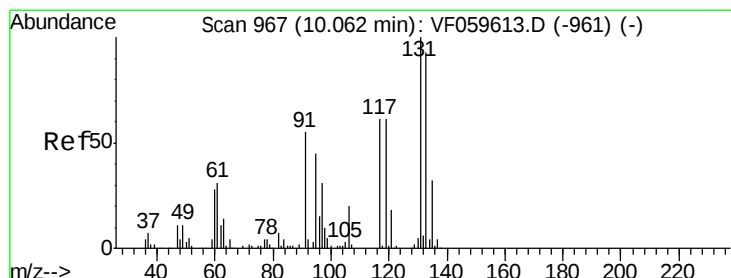
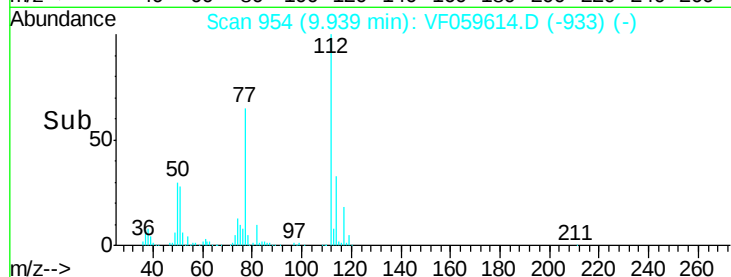
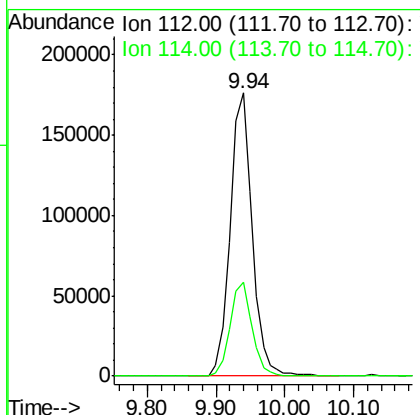
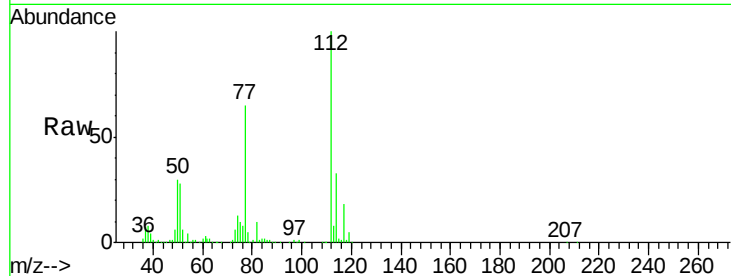




#65
Chlorobenzene
Concen: 62.14 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

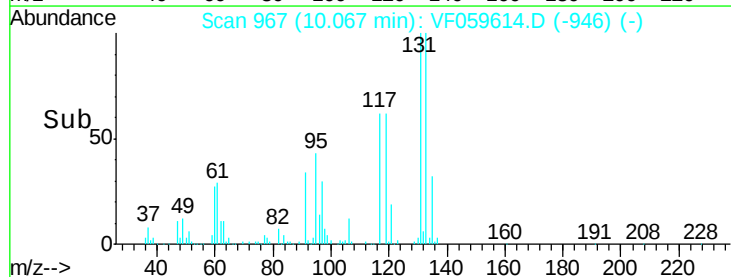
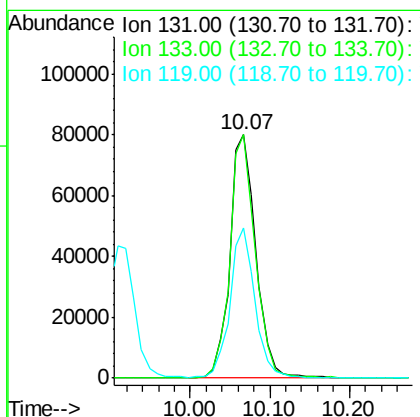
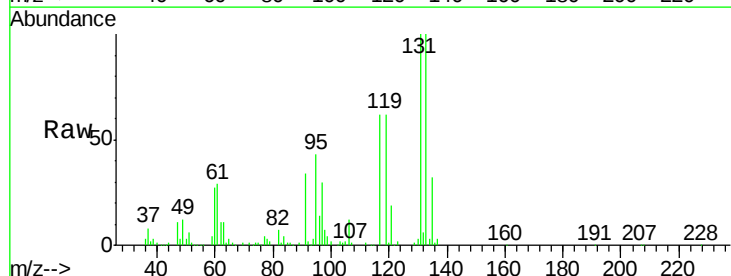
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

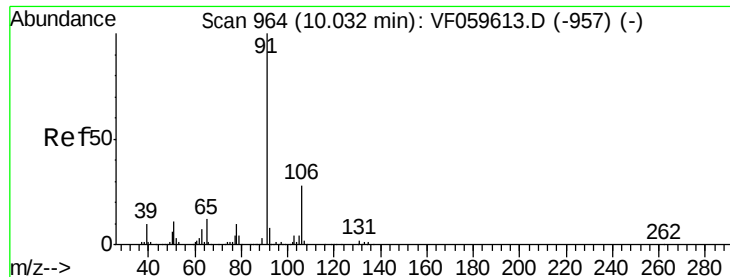
Tot Ion:112 Resp: 390962
Ion Ratio Lower Upper
112 100
114 33.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 64.02 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion:131 Resp: 182574
Ion Ratio Lower Upper
131 100
133 99.9 46.4 139.2
119 61.9 30.6 91.8





#67

Ethyl Benzene

Concen: 66.28 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

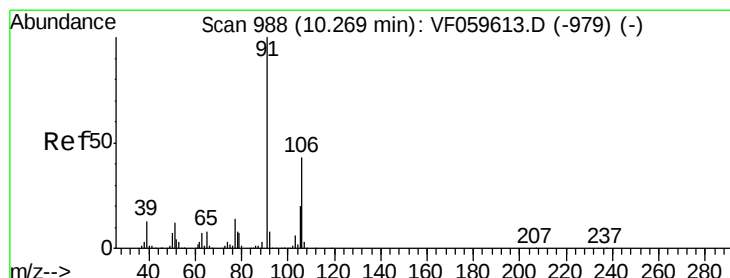
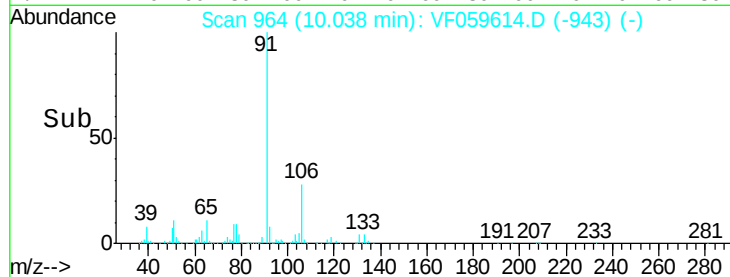
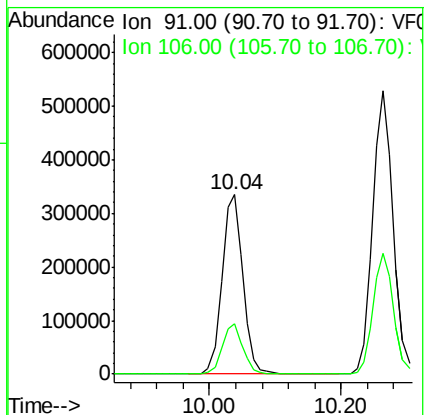
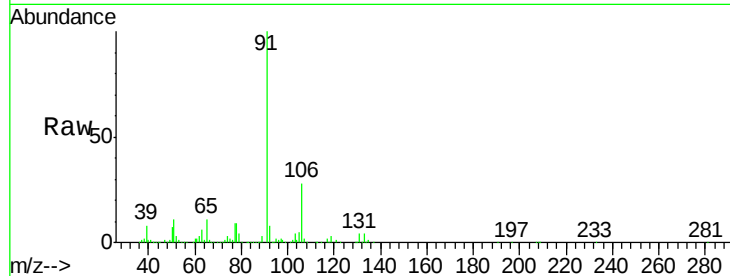
VSTDIC075

Tot Ion: 91 Resp: 743851

Ion Ratio Lower Upper

91 100

106 28.3 22.5 33.7



#68

m/p-Xylenes

Concen: 129.15 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059614.D

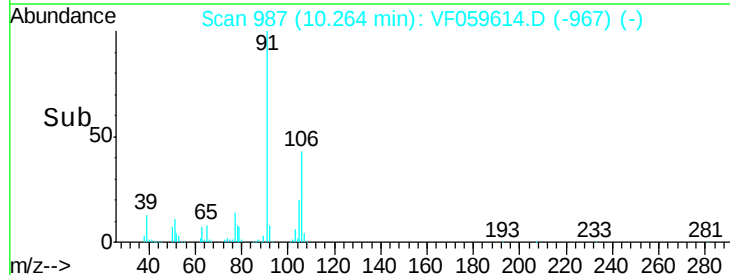
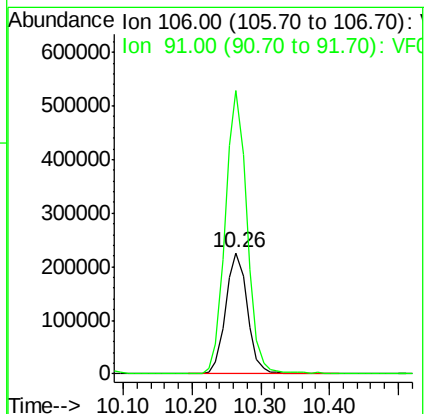
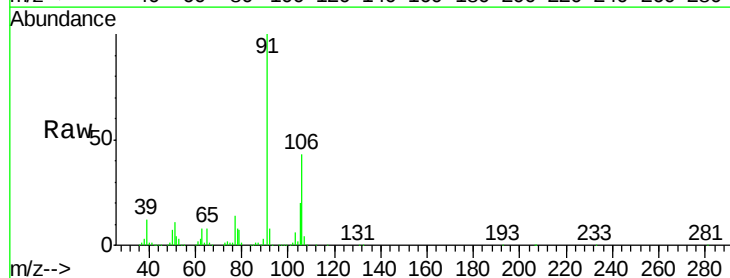
Acq: 23 Jul 2018 14:46

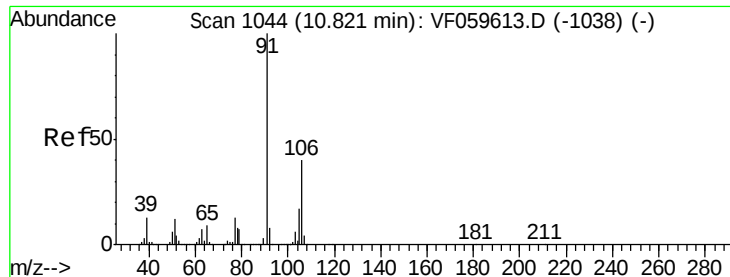
Tgt Ion: 106 Resp: 495400

Ion Ratio Lower Upper

106 100

91 233.8 187.0 280.4

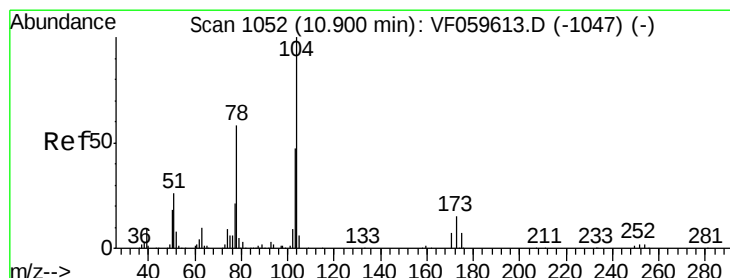
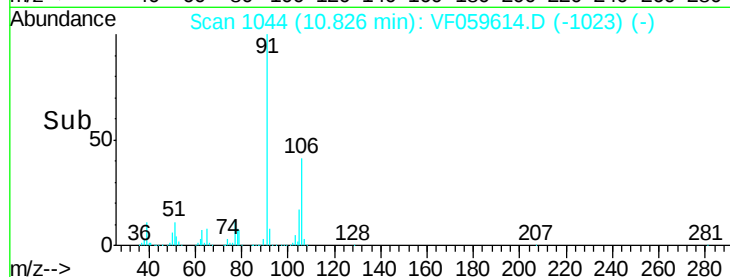
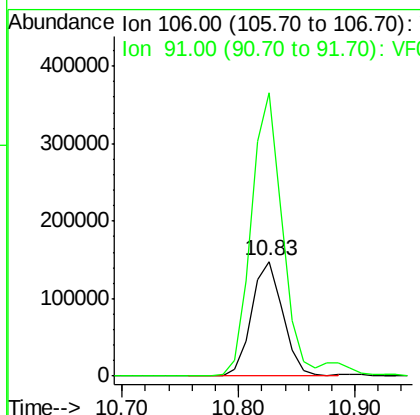
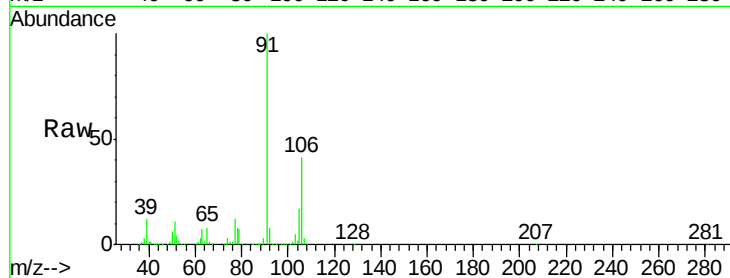




#69
o-Xylene
Concen: 65.47 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

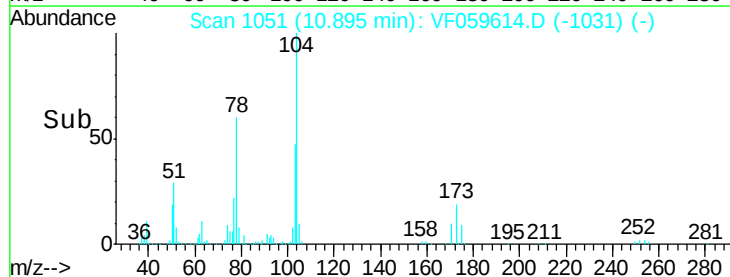
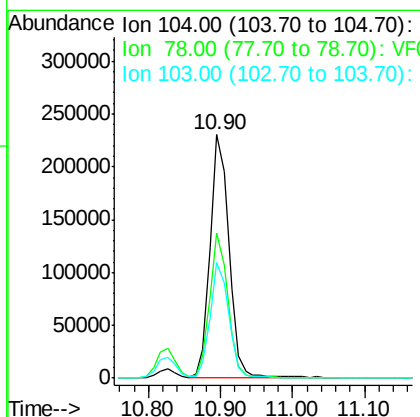
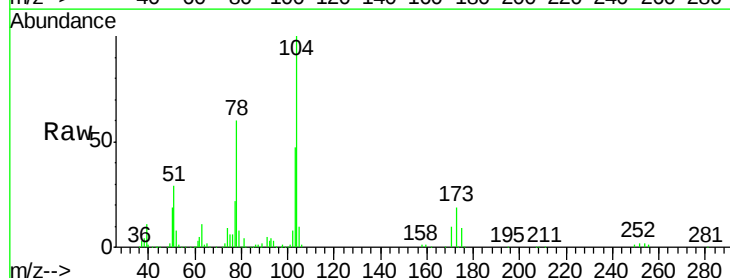
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

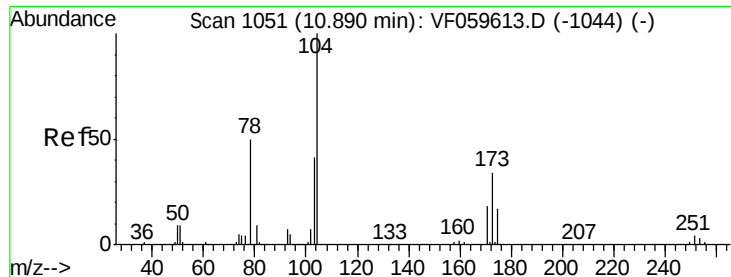
Tot Ion:106 Resp: 276051
Ion Ratio Lower Upper
106 100
91 246.2 125.8 377.3



#70
Styrene
Concen: 66.40 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion:104 Resp: 418384
Ion Ratio Lower Upper
104 100
78 59.8 47.4 71.2
103 47.4 38.8 58.2





#71

Bromoform

Concen: 61.84 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

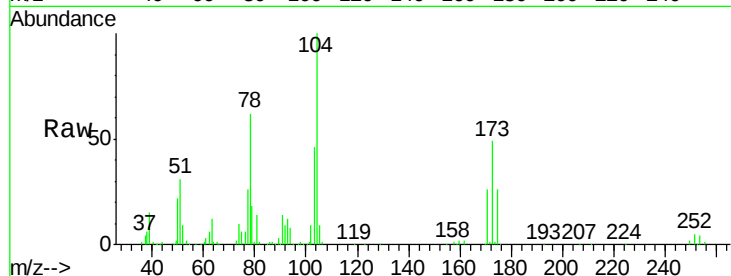
Tot Ion:173 Resp: 115944

Ion Ratio Lower Upper

173 100

175 53.3 25.1 75.2

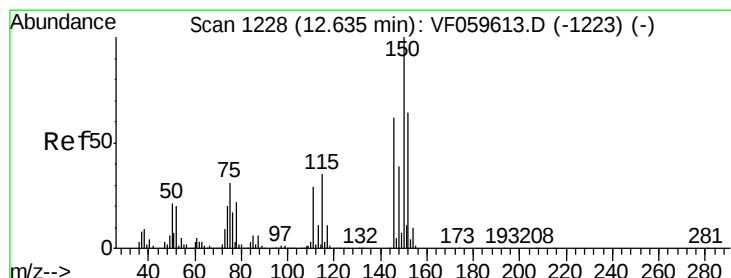
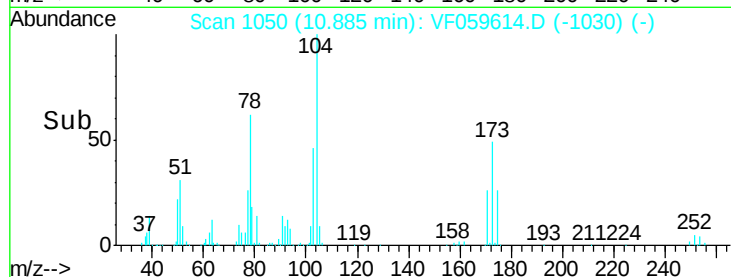
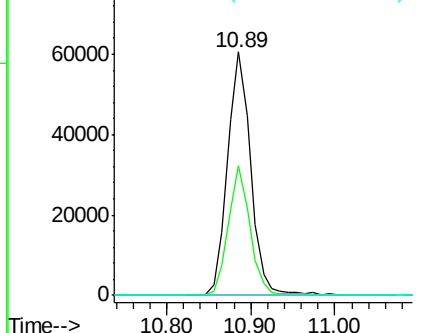
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70):

Ion 175.00 (174.70 to 175.70):

Ion 254.00 (253.70 to 254.70):



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

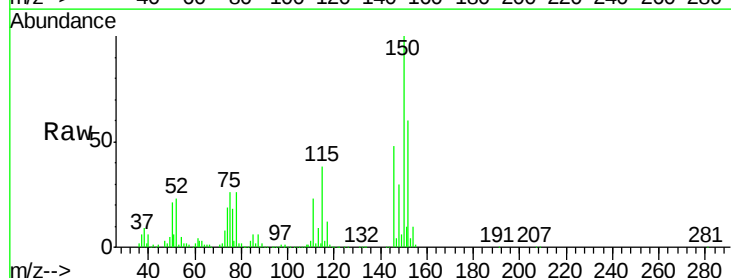
Tgt Ion:152 Resp: 215113

Ion Ratio Lower Upper

152 100

115 64.0 27.8 83.4

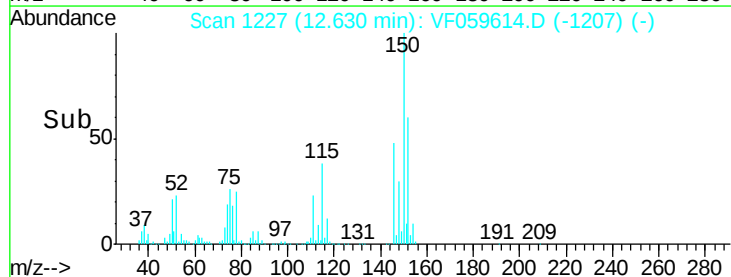
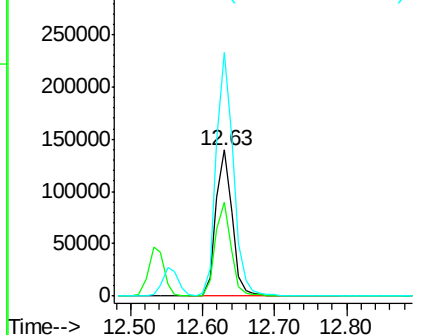
150 166.6 0.0 314.6

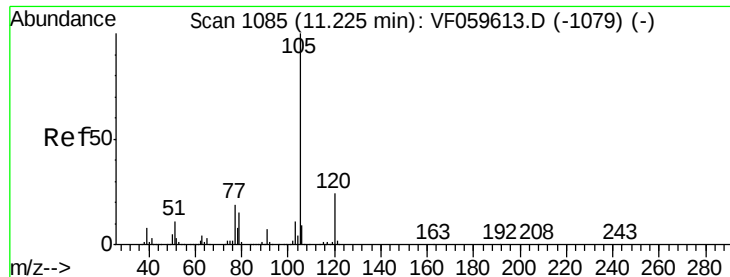


Abundance Ion 152.00 (151.70 to 152.70):

Ion 115.00 (114.70 to 115.70):

Ion 150.00 (149.70 to 150.70):





#73

Isopropylbenzene

Concen: 62.38 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

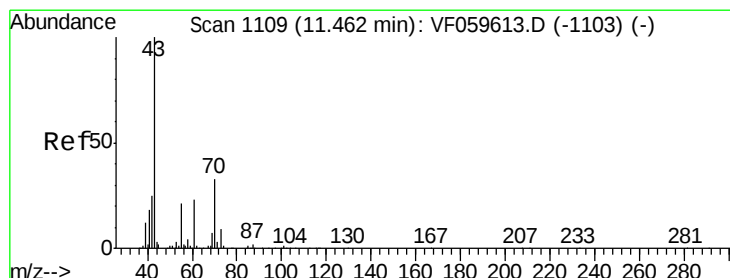
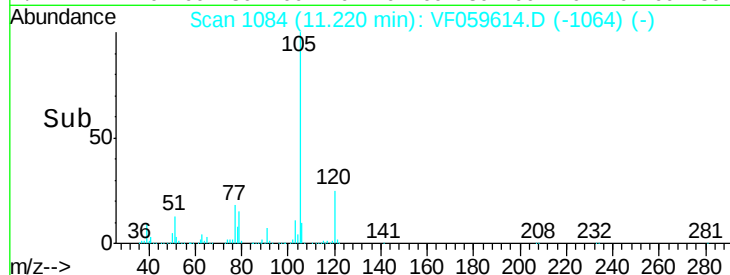
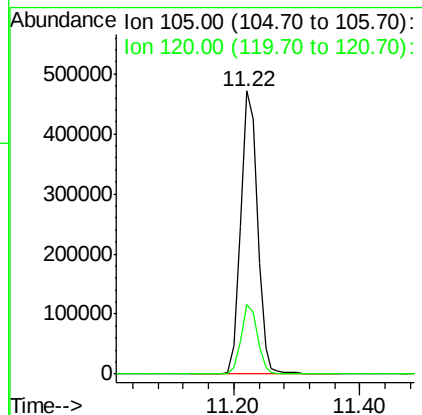
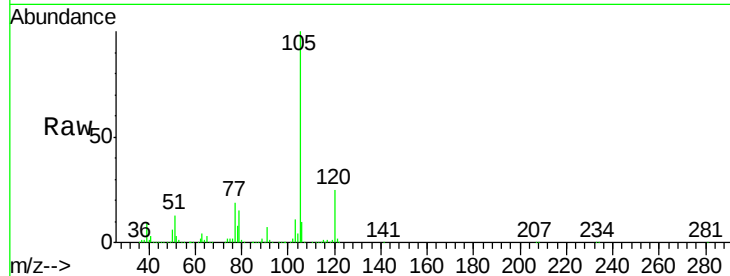
VSTDIC075

Tot Ion: 105 Resp: 859491

Ion Ratio Lower Upper

105 100

120 24.7 11.8 35.4



#74

N-ethyl acetate

Concen: 65.53 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion: 43 Resp: 225012

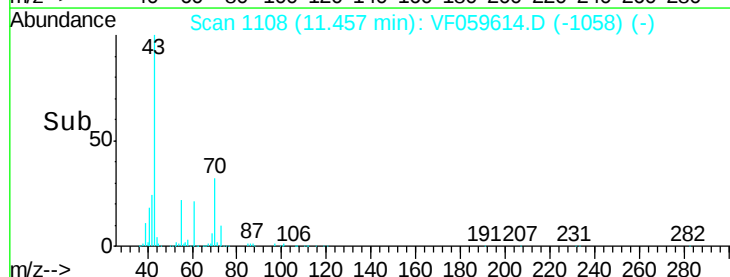
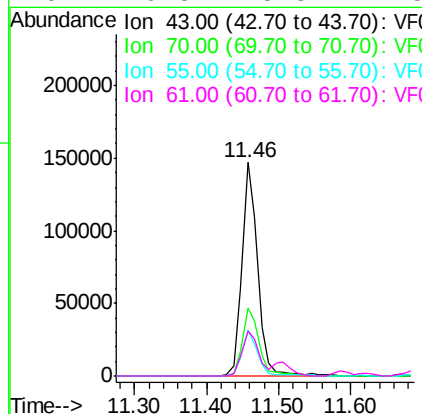
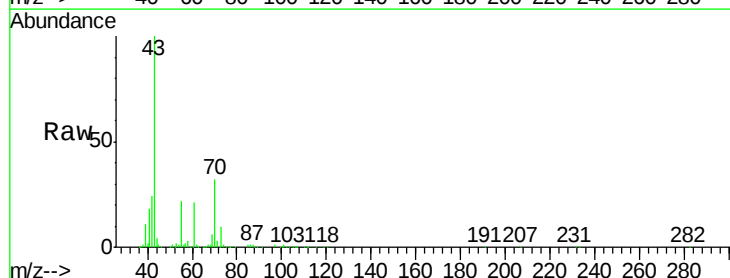
Ion Ratio Lower Upper

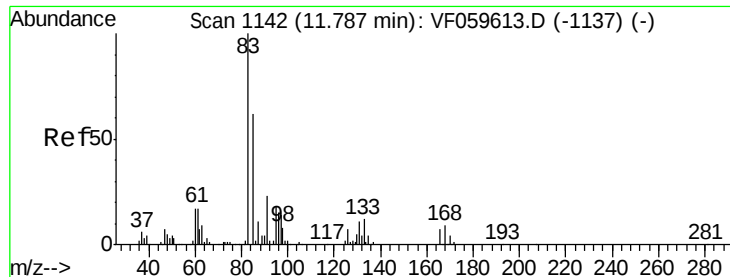
43 100

70 32.0 26.6 40.0

55 21.8 17.0 25.6

61 20.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 58.84 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

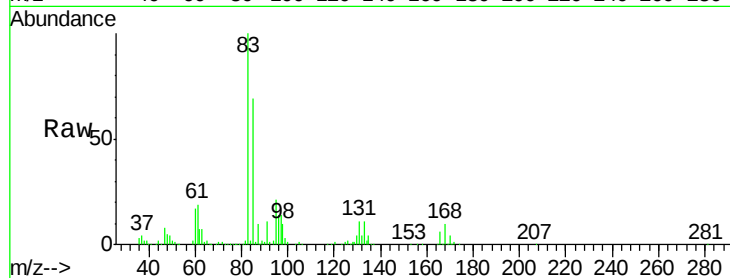
Tot Ion: 83 Resp: 148529

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.0

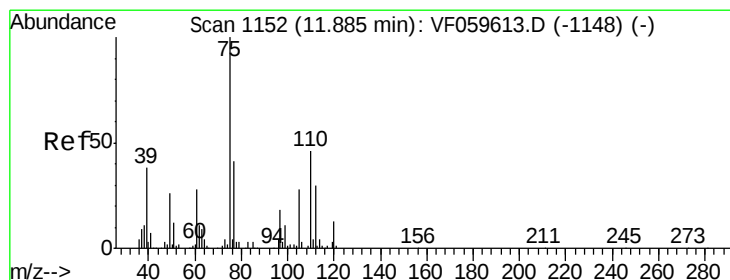
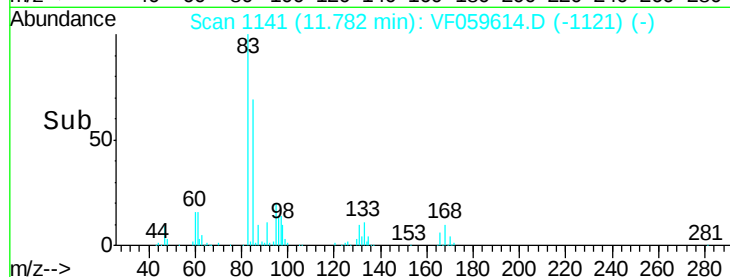
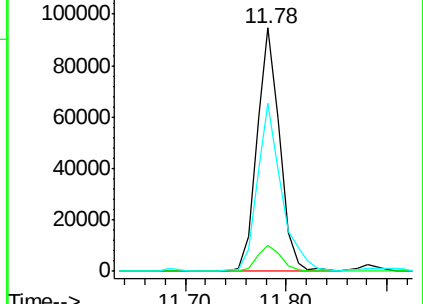
85 68.9 31.1 93.3



Abundance Ion 83.00 (82.70 to 83.70): VF059614.D (-1137) (-)

Ion 131.00 (130.70 to 131.70): VF059614.D (-1137) (-)

Ion 85.00 (84.70 to 85.70): VF059614.D (-1137) (-)



#76

1,2,3-Trichloropropane

Concen: 58.59 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059614.D

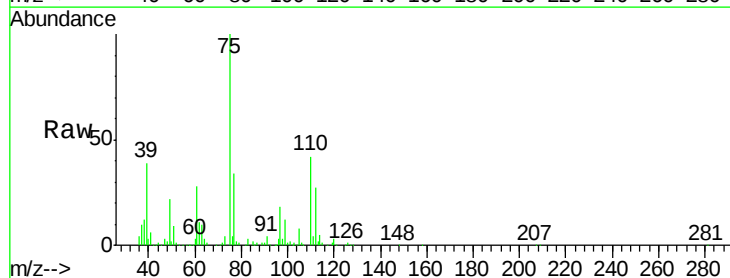
Acq: 23 Jul 2018 14:46

Tgt Ion: 75 Resp: 125877

Ion Ratio Lower Upper

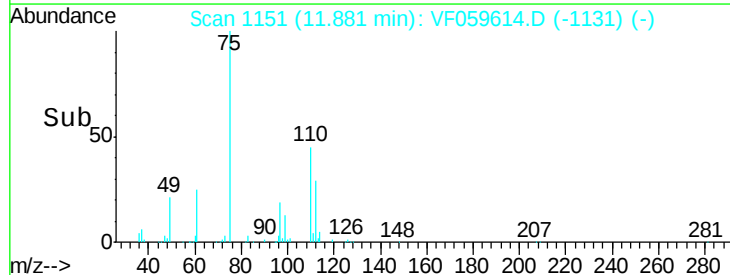
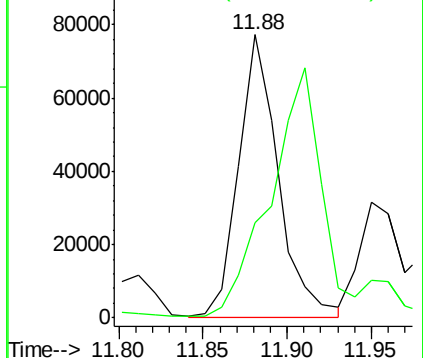
75 100

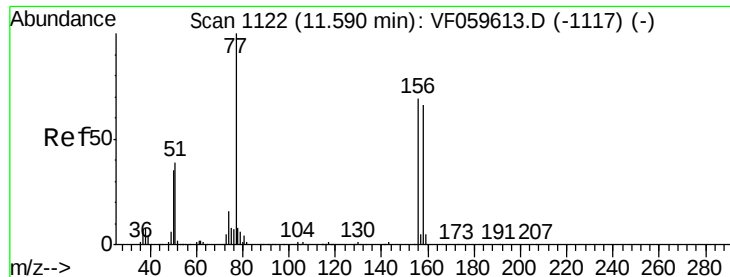
77 33.8 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF059614.D (-1148) (-)

Ion 77.00 (76.70 to 77.70): VF059614.D (-1148) (-)





#77

Bromobenzene

Concen: 62.71 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

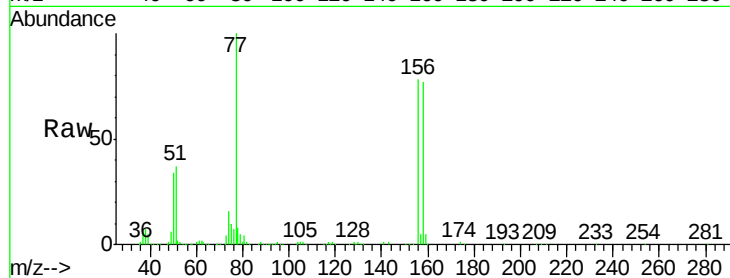
Tot Ion:156 Resp: 228814

Ion Ratio Lower Upper

156 100

77 128.4 72.1 216.3

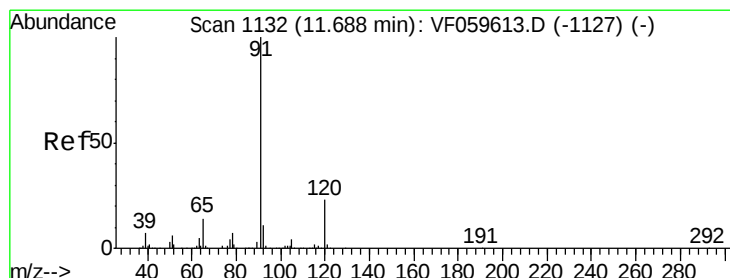
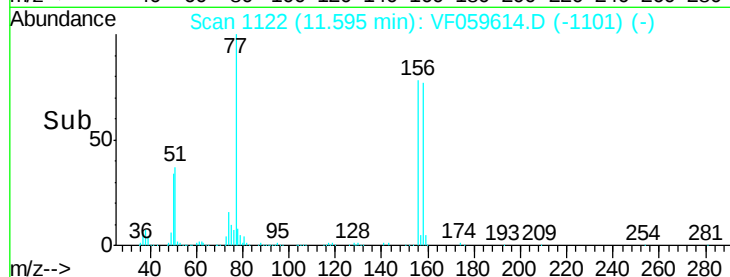
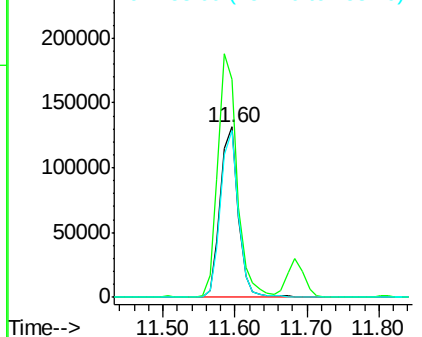
158 98.3 47.3 141.9



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 59.88 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059614.D

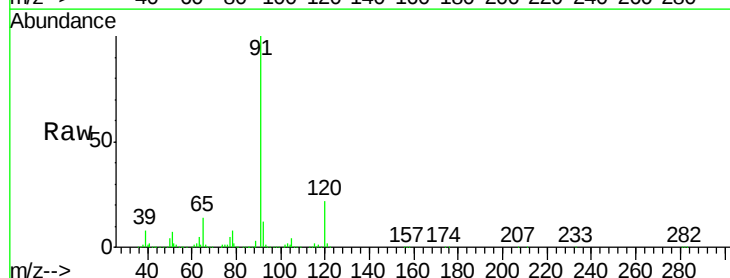
Acq: 23 Jul 2018 14:46

Tgt Ion: 91 Resp: 982163

Ion Ratio Lower Upper

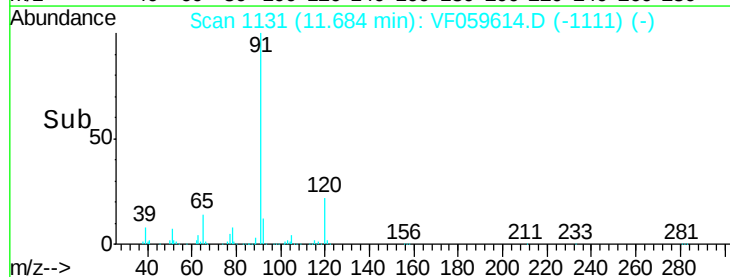
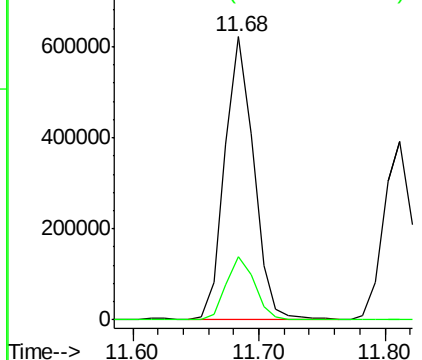
91 100

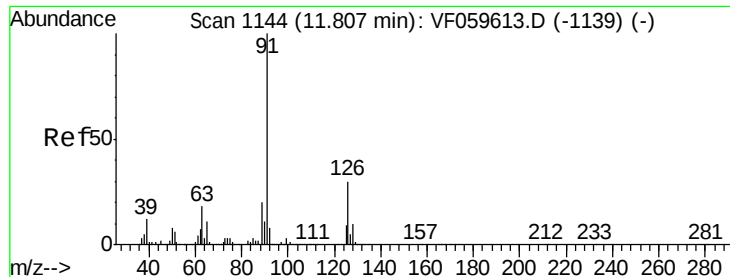
120 22.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 63.08 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

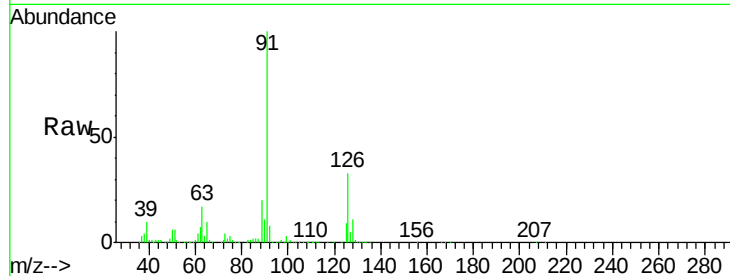
VSTDIC075

Tot Ion: 91 Resp: 622444

Ion Ratio Lower Upper

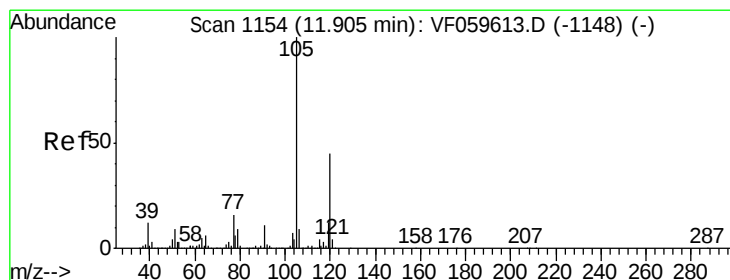
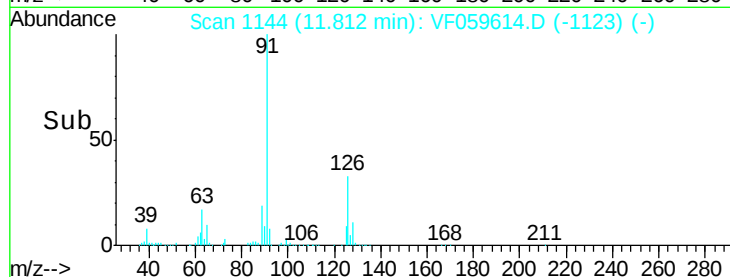
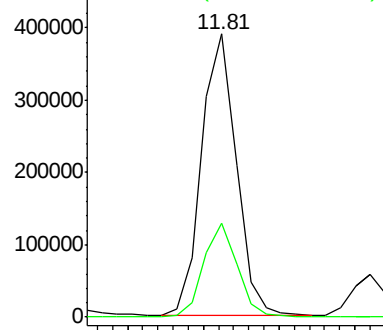
91 100

126 33.0 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF059614.D (-1139) (-)

Ion 126.00 (125.70 to 126.70): VF059614.D (-1139) (-)



#80

1,3,5-Trimethylbenzene

Concen: 62.93 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF059614.D

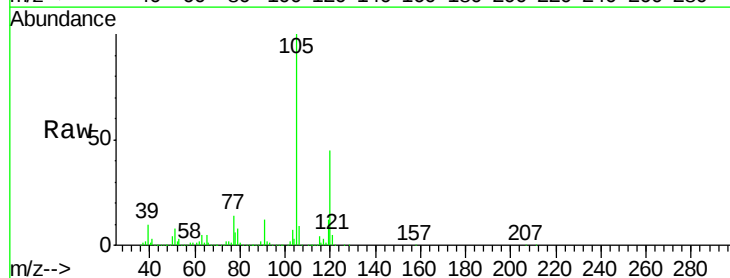
Acq: 23 Jul 2018 14:46

Tgt Ion: 105 Resp: 765755

Ion Ratio Lower Upper

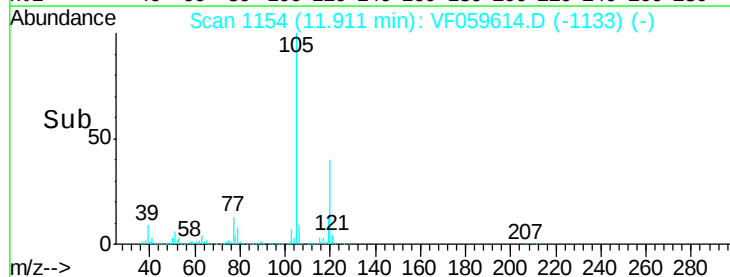
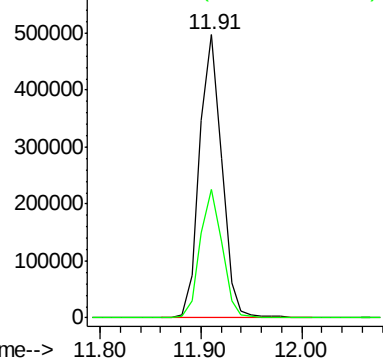
105 100

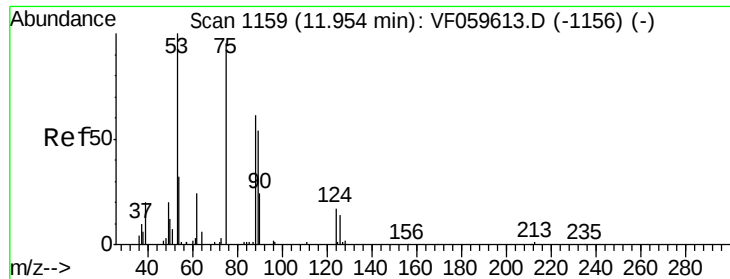
120 45.4 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): VF059614.D (-1133) (-)

Ion 120.00 (119.70 to 120.70): VF059614.D (-1133) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 72.74 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

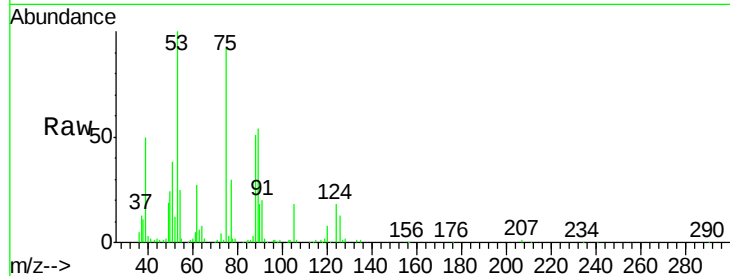
Tot Ion: 75 Resp: 77852

Ion Ratio Lower Upper

75 100

53 108.4 86.4 129.6

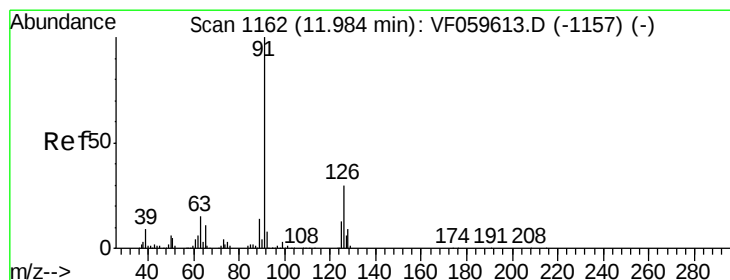
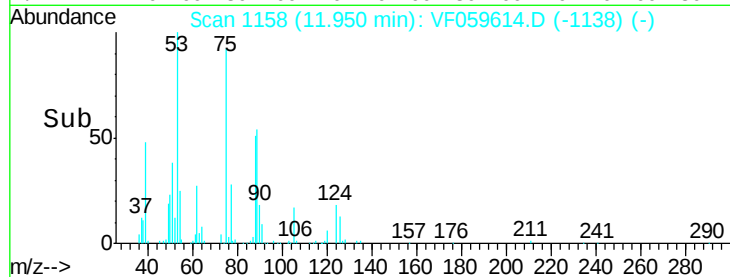
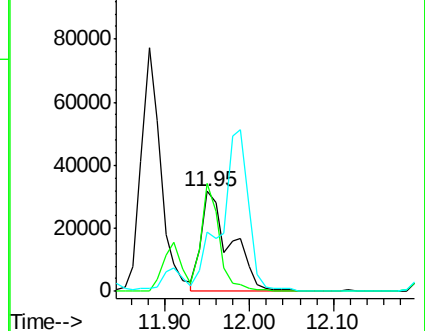
89 58.9 46.8 70.2



Abundance Ion 75.00 (74.70 to 75.70): VF059614.D (-1156) (-)

Ion 53.00 (52.70 to 53.70): VF059614.D (-1156) (-)

Ion 89.00 (88.70 to 89.70): VF059614.D (-1156) (-)



#82

4-Chlorotoluene

Concen: 62.37 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059614.D

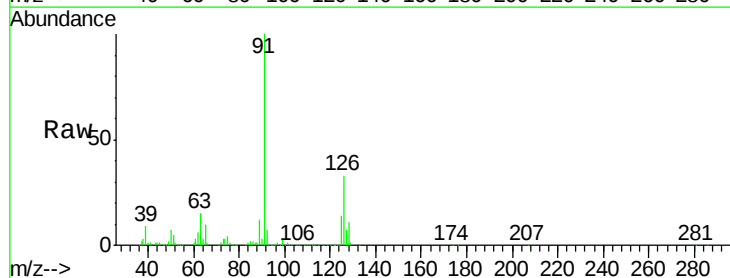
Acq: 23 Jul 2018 14:46

Tgt Ion: 91 Resp: 685655

Ion Ratio Lower Upper

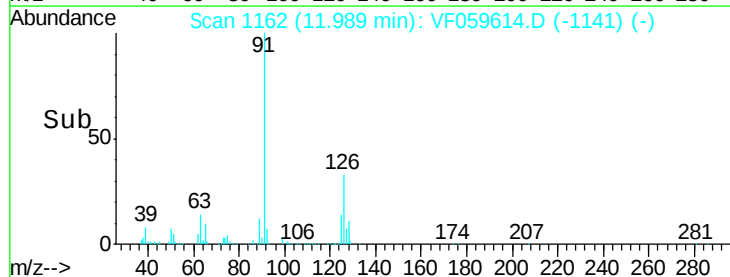
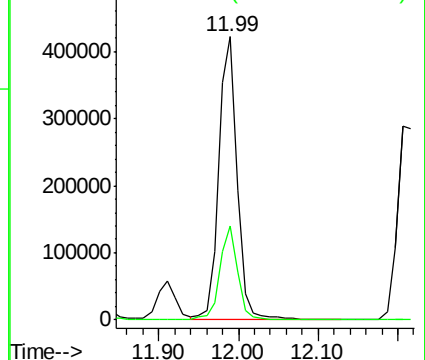
91 100

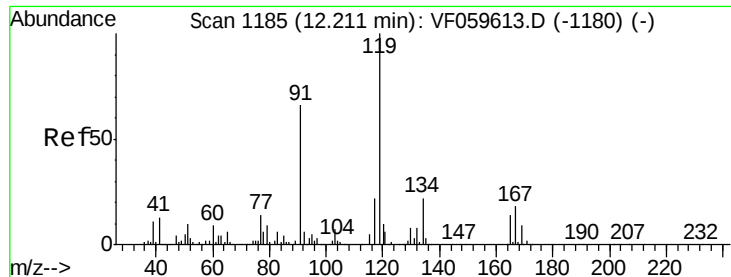
126 33.0 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF059614.D (-1162) (-)

Ion 126.00 (125.70 to 126.70): VF059614.D (-1162) (-)

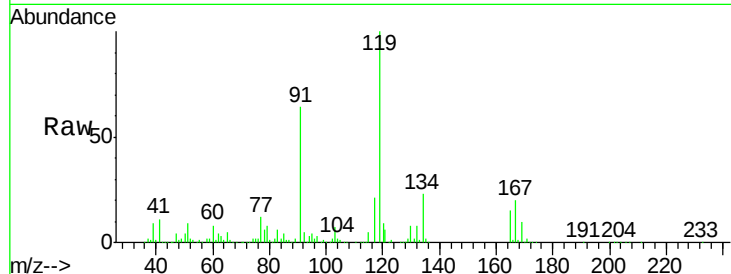




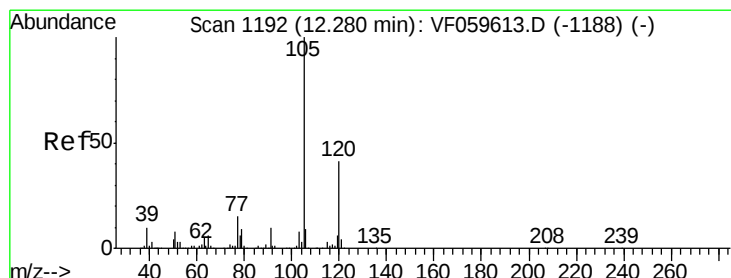
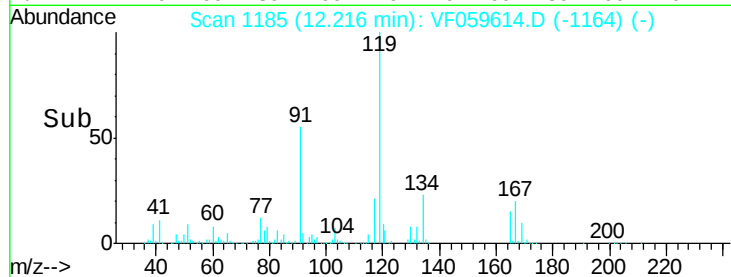
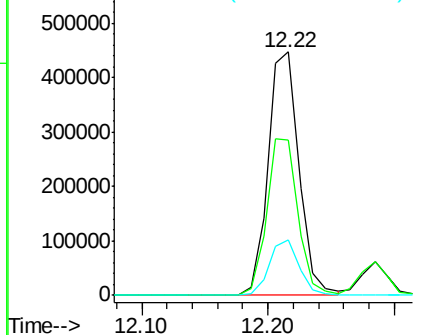
#83
 tert-Butylbenzene
 Concen: 63.57 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:119 Resp: 760619
 Ion Ratio Lower Upper
 119 100
 91 63.8 33.2 99.6
 134 22.8 10.9 32.6

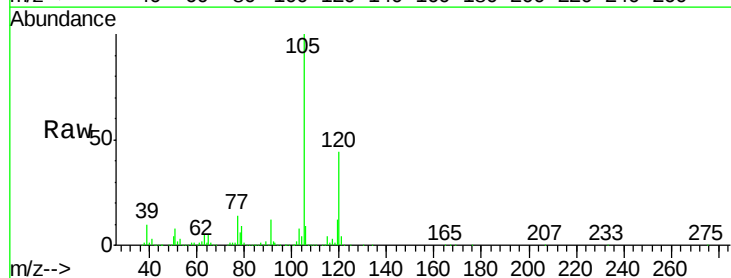


Abundance Ion 119.00 (118.70 to 119.70):
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70):

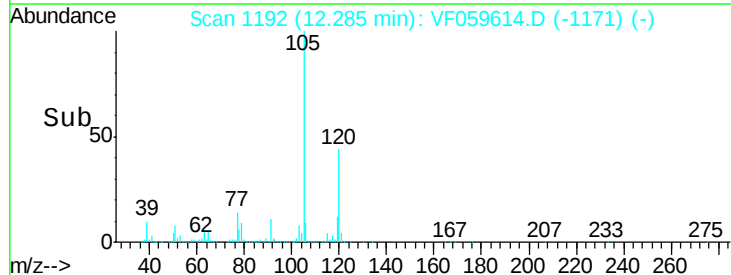
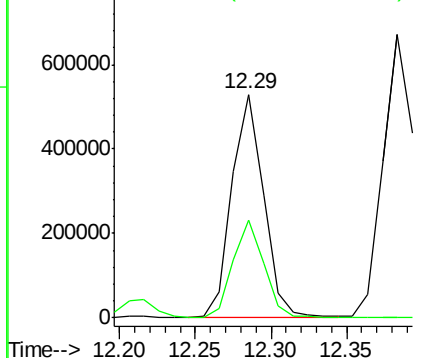


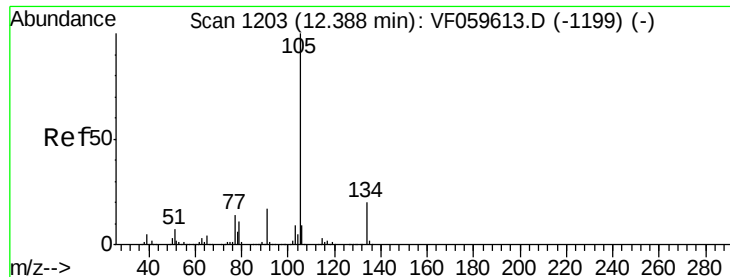
#84
 1,2,4-Trimethylbenzene
 Concen: 62.81 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion:105 Resp: 779196
 Ion Ratio Lower Upper
 105 100
 120 43.7 20.4 61.3



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





#85

sec-Butylbenzene

Concen: 65.37 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

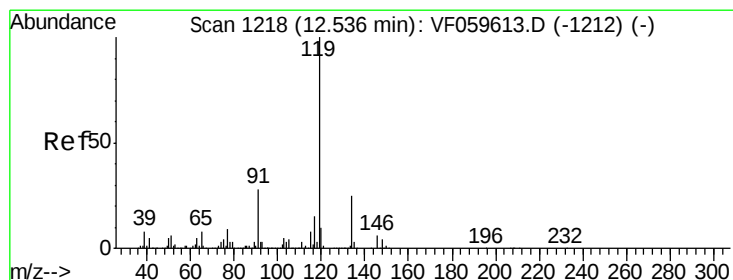
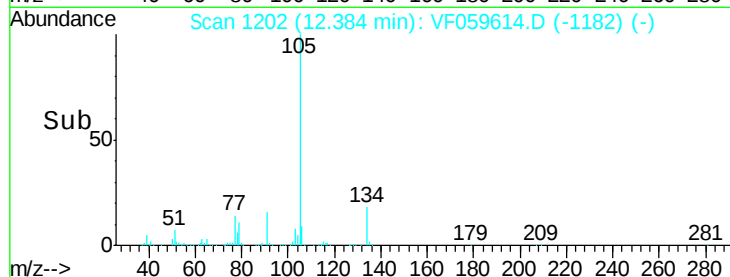
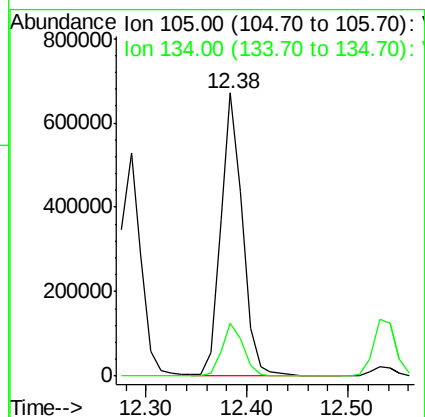
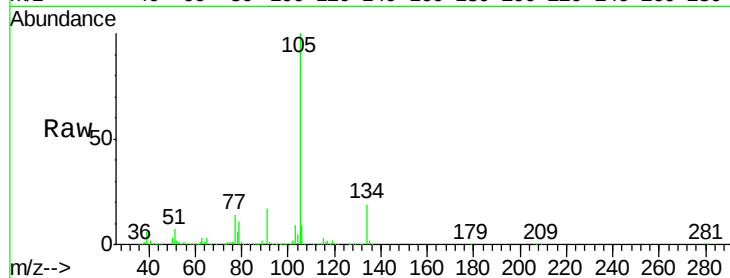
VSTDIC075

Tot Ion:105 Resp: 999295

Ion Ratio Lower Upper

105 100

134 18.8 9.9 29.7



#86

p-Isopropyltoluene

Concen: 65.54 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

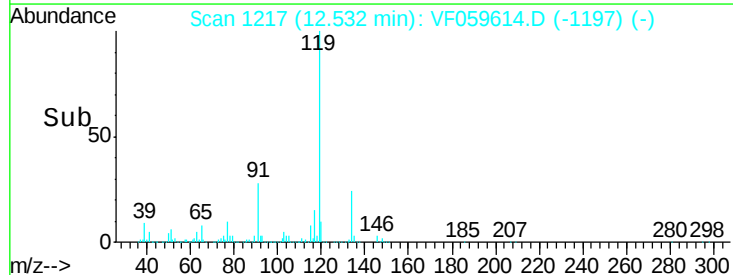
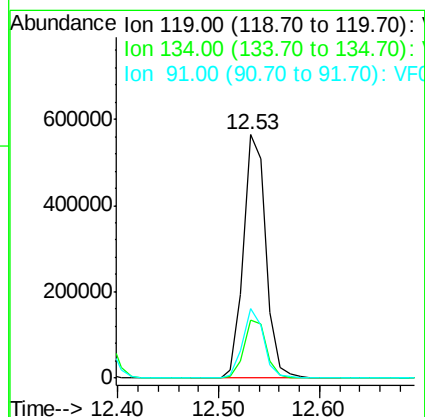
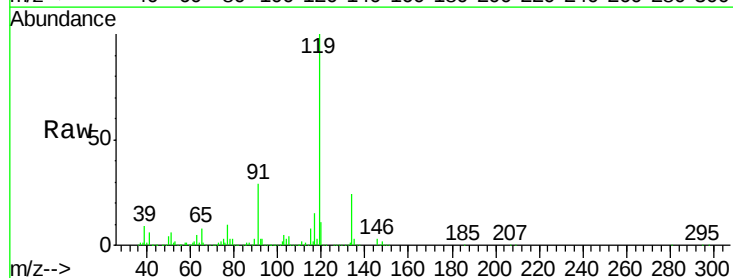
Tgt Ion:119 Resp: 872811

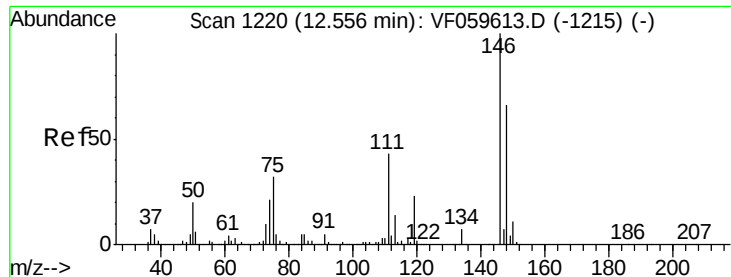
Ion Ratio Lower Upper

119 100

134 23.9 12.4 37.2

91 28.6 13.9 41.7





#87

1,3-Dichlorobenzene

Concen: 61.00 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

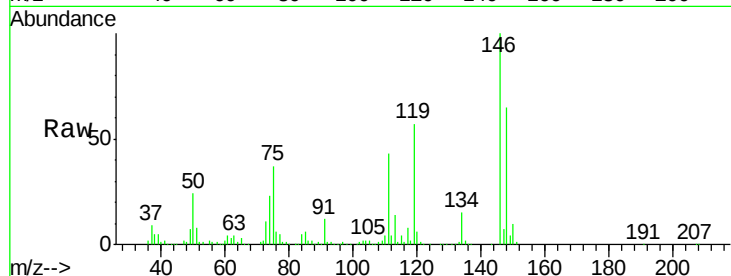
Tot Ion:146 Resp: 414327

Ion Ratio Lower Upper

146 100

111 43.4 21.6 64.8

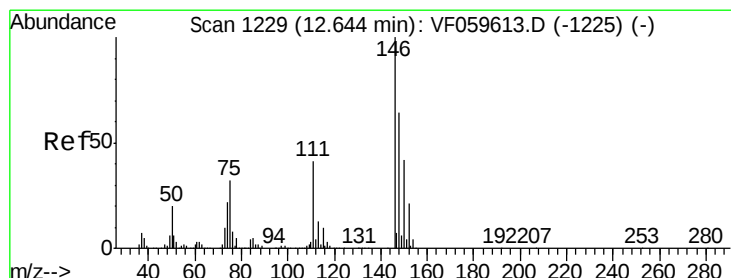
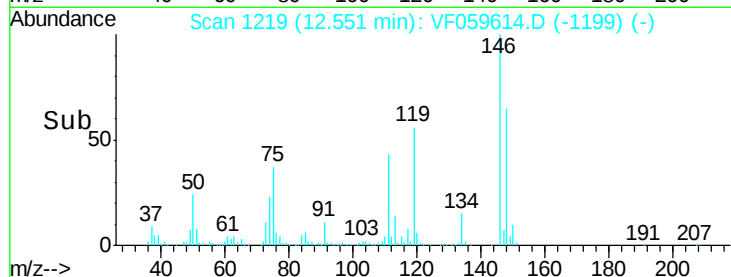
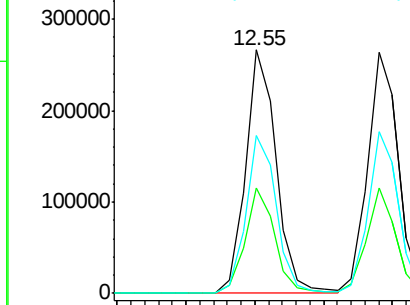
148 64.7 33.1 99.3



Abundance Ion 146.00 (145.70 to 146.70):

Ion 111.00 (110.70 to 111.70):

Ion 148.00 (147.70 to 148.70):



#88

1,4-Dichlorobenzene

Concen: 64.11 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

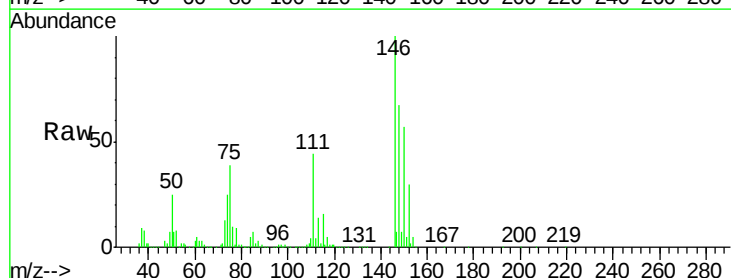
Tgt Ion:146 Resp: 414726

Ion Ratio Lower Upper

146 100

111 43.6 20.5 61.5

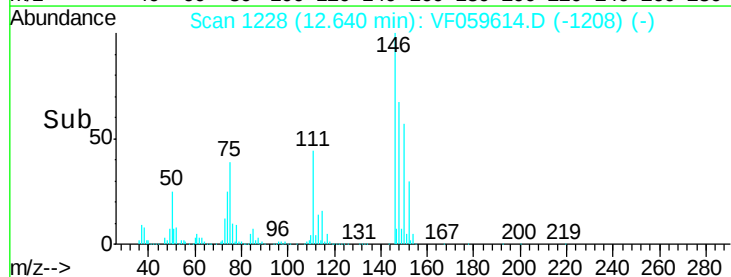
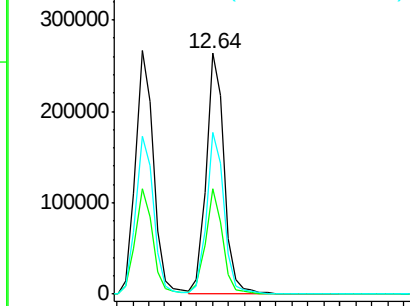
148 67.0 32.3 96.8

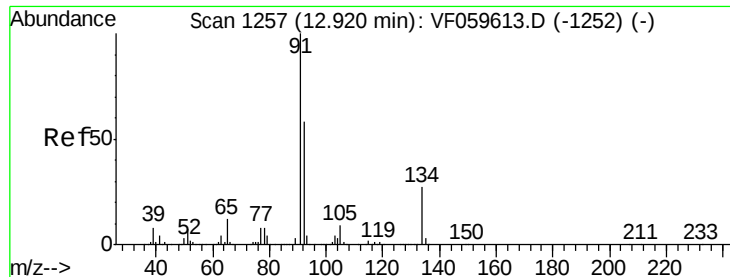


Abundance Ion 146.00 (145.70 to 146.70):

Ion 111.00 (110.70 to 111.70):

Ion 148.00 (147.70 to 148.70):





#89

n-Butylbenzene

Concen: 65.94 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

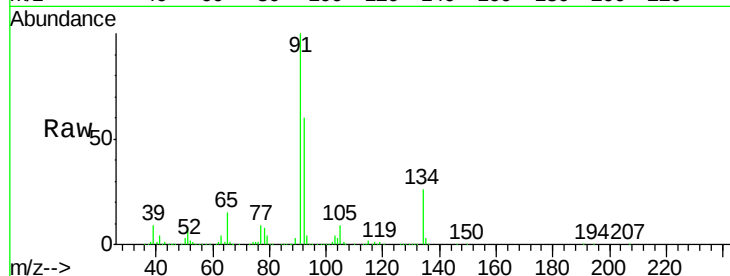
Tot Ion: 91 Resp: 836918

Ion Ratio Lower Upper

91 100

92 60.2 28.8 86.4

134 26.5 13.5 40.4

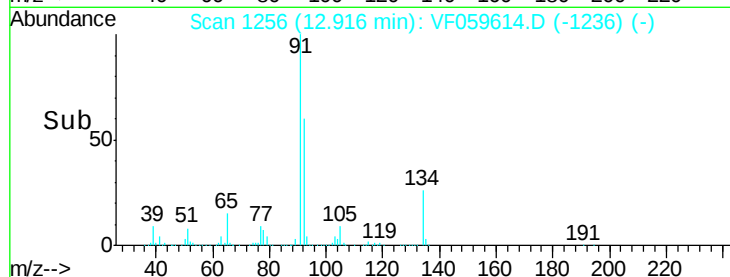


Abundance Ion 91.00 (90.70 to 91.70): VF059614.D (-1252) (-)

Ion 92.00 (91.70 to 92.70): VF059614.D (-1252) (-)

Ion 134.00 (133.70 to 134.70): VF059614.D (-1252) (-)

Time-->

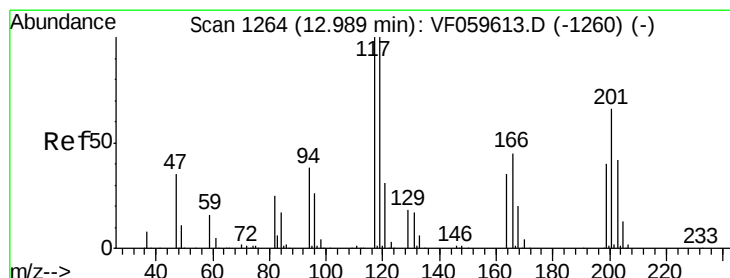


Abundance Ion 91.00 (90.70 to 91.70): VF059614.D (-1236) (-)

Ion 92.00 (91.70 to 92.70): VF059614.D (-1236) (-)

Ion 134.00 (133.70 to 134.70): VF059614.D (-1236) (-)

Time-->



#90

Hexachloroethane

Concen: 65.28 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF059614.D

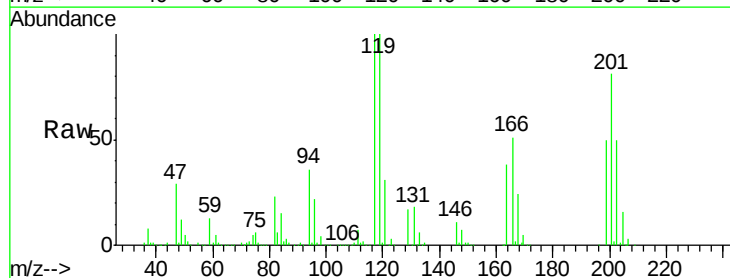
Acq: 23 Jul 2018 14:46

Tgt Ion: 117 Resp: 213325

Ion Ratio Lower Upper

117 100

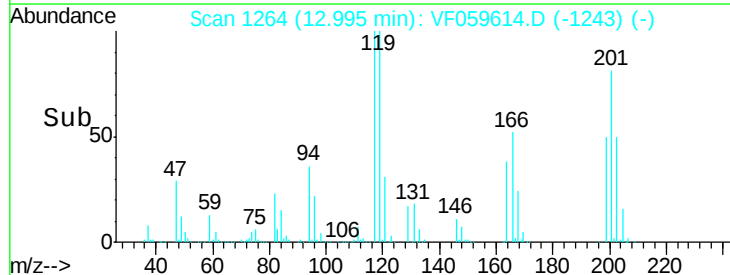
201 82.6 33.6 100.6



Abundance Ion 117.00 (116.70 to 117.70): VF059614.D (-1260) (-)

Ion 201.00 (200.70 to 201.70): VF059614.D (-1260) (-)

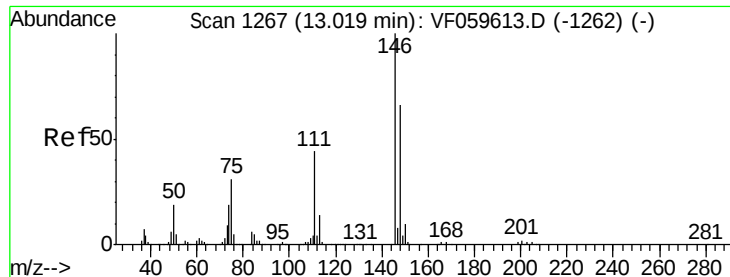
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VF059614.D (-1243) (-)

Ion 201.00 (200.70 to 201.70): VF059614.D (-1243) (-)

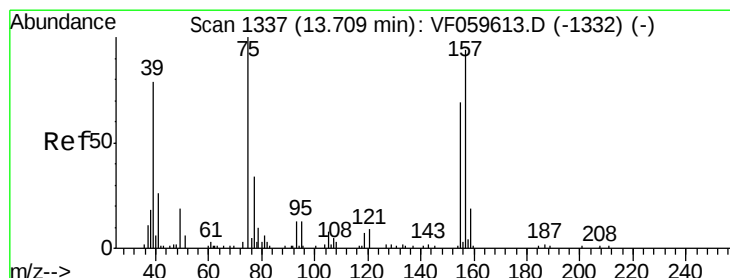
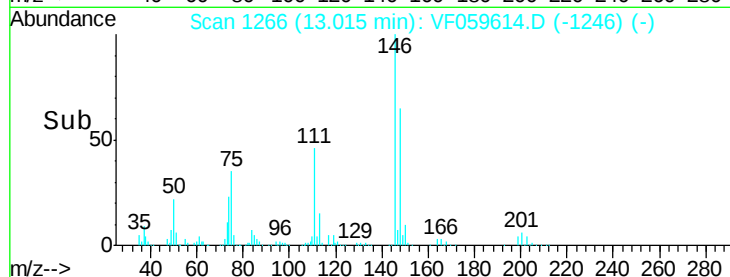
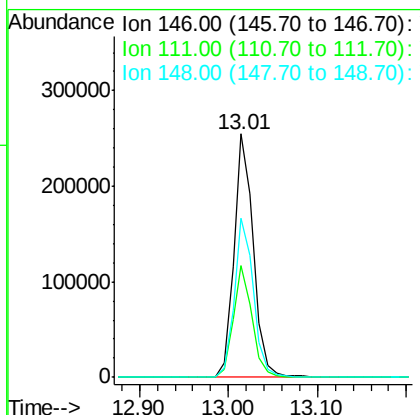
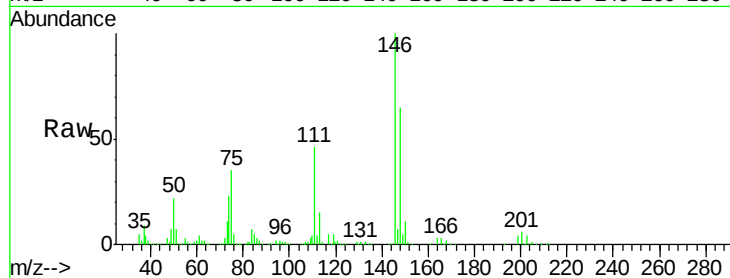
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 61.31 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

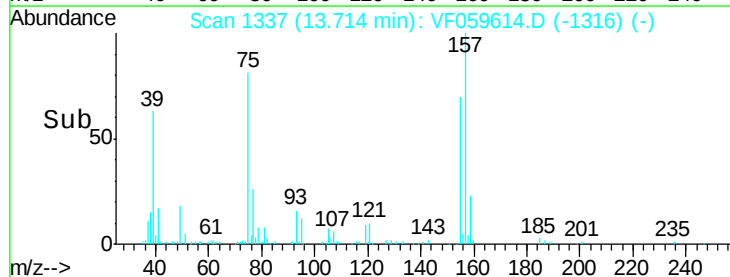
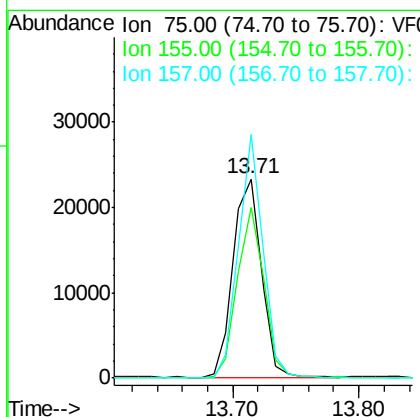
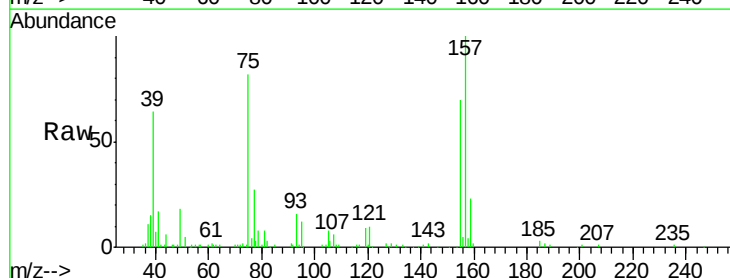
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

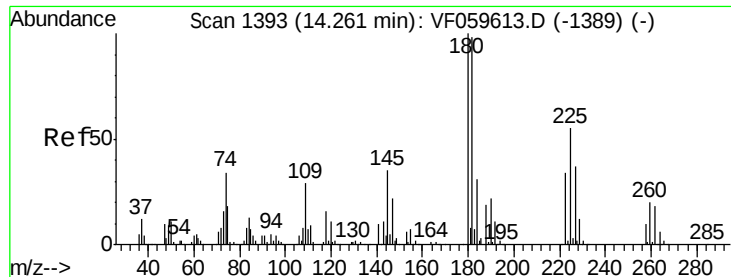
Tot Ion:146 Resp: 389784
 Ion Ratio Lower Upper
 146 100
 111 46.0 21.8 65.3
 148 65.3 32.9 98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.66 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion: 75 Resp: 36588
 Ion Ratio Lower Upper
 75 100
 155 85.5 34.6 103.8
 157 122.3 47.0 141.0

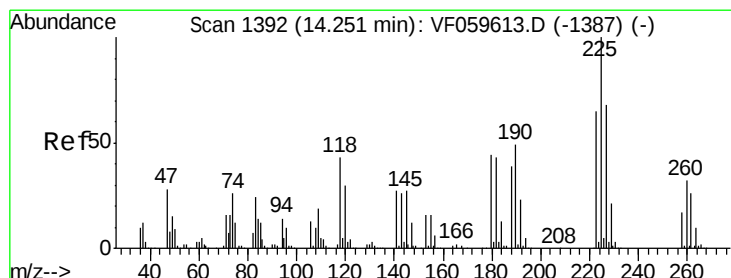
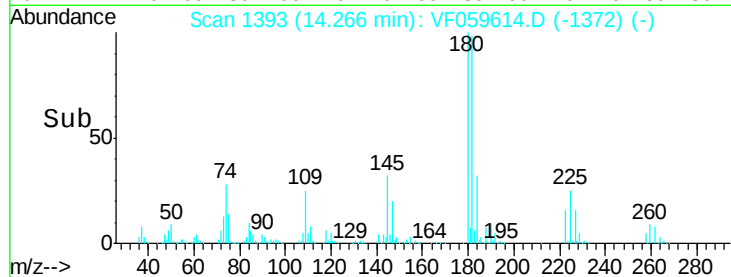
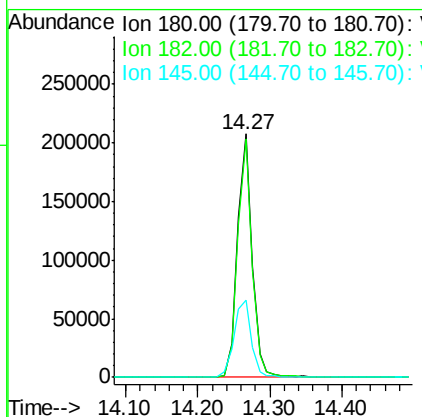
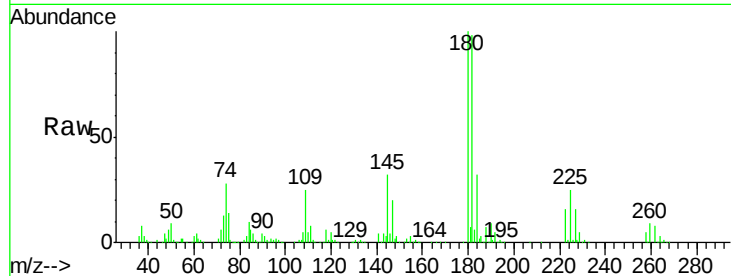




#93
 1,2,4-Trichlorobenzene
 Concen: 65.36 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

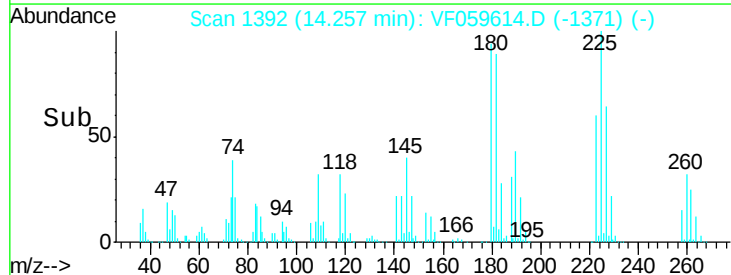
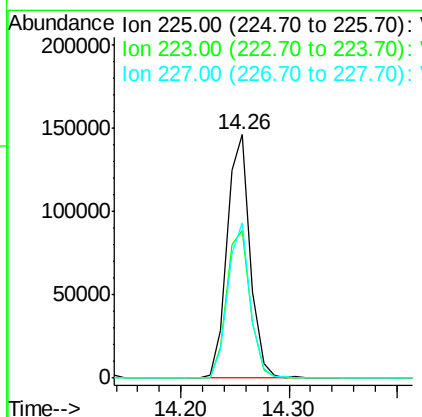
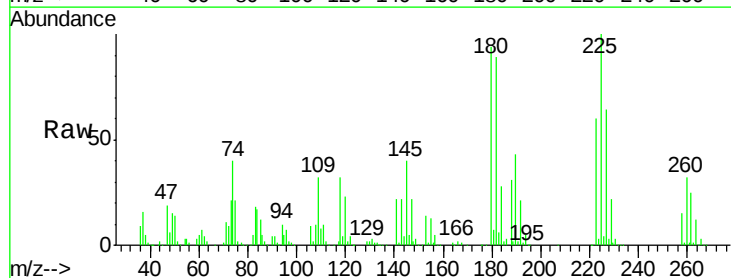
Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

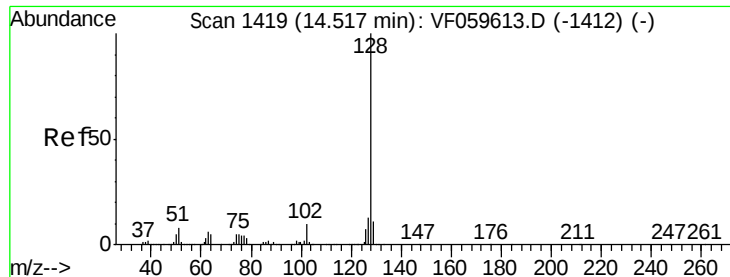
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.8	146.3
145	31.9	17.5	52.6



#94
 Hexachlorobutadiene
 Concen: 72.77 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	32.6	98.0
227	63.8	33.9	101.6





#95

Naphthalene

Concen: 66.23 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

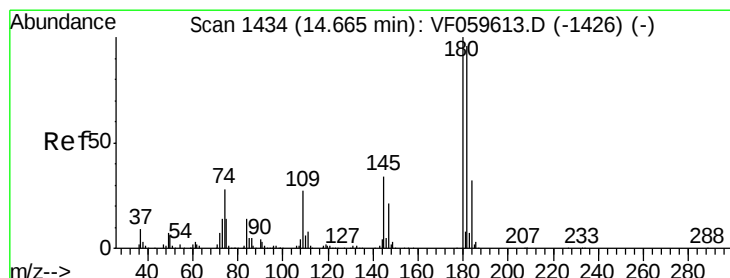
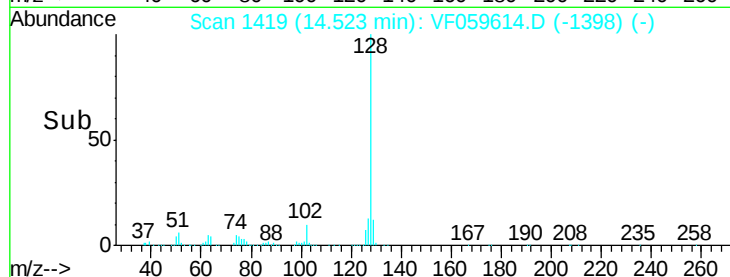
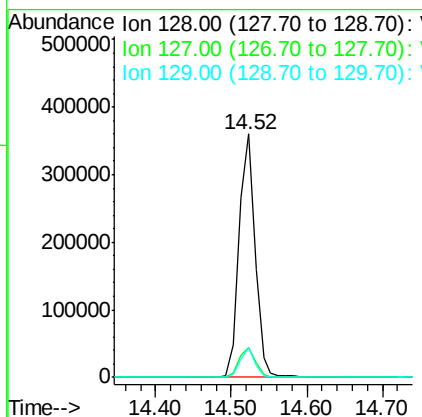
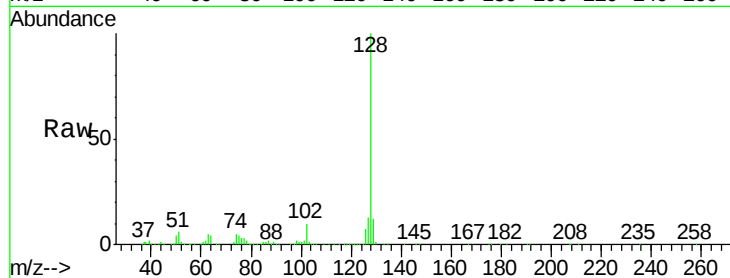
Tot Ion:128 Resp: 525865

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 12.1 9.1 13.7



#96

1,2,3-Trichlorobenzene

Concen: 69.98 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:180 Resp: 291705

Ion Ratio Lower Upper

180 100

182 96.8 48.0 144.2

145 30.7 17.1 51.2

