

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062174.D
 Acq On : 16 Apr 2019 13:14
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 17 07:30:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	441525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	691559	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	575270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	275571	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	404035	101.58	ug/l	0.00
Spiked Amount			Recovery	=	203.16%	
35) Dibromofluoromethane	4.31	113	522805	95.84	ug/l	0.00
Spiked Amount			Recovery	=	191.68%	
50) Toluene-d8	7.72	98	1528397	95.88	ug/l	0.00
Spiked Amount			Recovery	=	191.76%	
62) 4-Bromofluorobenzene	11.50	95	607640	96.52	ug/l	0.00
Spiked Amount			Recovery	=	193.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	567009	87.374	ug/l	99
3) Chloromethane	1.14	50	636858	91.301	ug/l	96
4) Vinyl Chloride	1.19	62	550056	90.069	ug/l	98
5) Bromomethane	1.38	94	338810	86.438	ug/l	96
6) Chloroethane	1.44	64	258564	89.488	ug/l	98
7) Trichlorofluoromethane	1.55	101	651196	89.413	ug/l	99
8) Diethyl Ether	1.71	74	135815	92.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	424498	89.046	ug/l	98
10) Methyl Iodide	1.97	142	799520	89.972	ug/l	99
11) Tert butyl alcohol	2.69	59	100962	457.898	ug/l	94
12) 1,1-Dichloroethene	1.86	96	417330	86.082	ug/l	98
13) Acrolein	2.10	56	68001	395.535	ug/l	96
14) Allyl chloride	2.20	41	732785	100.381	ug/l	97
15) Acrylonitrile	3.08	53	339716	418.435	ug/l	99
16) Acetone	2.34	43	381280	425.134	ug/l	98
17) Carbon Disulfide	1.91	76	1228398	89.094	ug/l	100
18) Methyl Acetate	2.46	43	157155	73.857	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	728622	90.354	ug/l	99
20) Methylene Chloride	2.32	84	388975	75.697	ug/l	99
21) trans-1,2-Dichloroethene	2.42	96	416757	89.846	ug/l	95
22) Diisopropyl ether	2.93	45	1236529	91.127	ug/l	99
23) Vinyl Acetate	3.35	43	3047282	450.204	ug/l	98
24) 1,1-Dichloroethane	3.01	63	680298	90.030	ug/l	100
25) 2-Butanone	4.52	43	856371	444.373	ug/l	99
26) 2,2-Dichloropropane	3.78	77	345742	86.989	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	540657	87.807	ug/l	96
28) Bromochloromethane	3.90	49	350497	96.868	ug/l	93
29) Tetrahydrofuran	4.27	42	349188	407.497	ug/l	96
30) Chloroform	4.05	83	841844	89.611	ug/l	100
31) Cyclohexane	3.88	56	830858	85.177	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	578052	90.236	ug/l	99
36) 1,1-Dichloropropene	4.47	75	669156	87.088	ug/l	98
37) Ethyl Acetate	4.30	43	294945	83.306	ug/l	97
38) Carbon Tetrachloride	4.19	117	696525	103.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	848890	88.161	ug/l	99
40) Benzene	4.83	78	1776837	87.544	ug/l	99
41) Methacrylonitrile	4.94	41	180897	85.035	ug/l	98
42) 1,2-Dichloroethane	5.12	62	442003	86.043	ug/l	98
43) Isopropyl Acetate	7.11	43	374197	90.943	ug/l #	97
44) Trichloroethene	5.68	130	473947	87.243	ug/l	100
45) 1,2-Dichloropropane	6.40	63	442737	88.918	ug/l	95
46) Dibromomethane	6.26	93	268572	89.449	ug/l	98
47) Bromodichloromethane	6.55	83	598770	88.026	ug/l	98
48) Methyl methacrylate	6.88	41	234149	87.425	ug/l	95
49) 1,4-Dioxane	6.87	88	32222	1543.887	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	1332734	422.802	ug/l	95
52) Toluene	7.78	92	1053140	88.326	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	533962	90.626	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	648494	86.557	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	310865	91.031	ug/l	97
56) Ethyl methacrylate	8.76	69	360426	88.760	ug/l	98
57) 1,3-Dichloropropane	9.00	76	493526	87.907	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	493426	471.618	ug/l	95
59) 2-Hexanone	9.62	43	850533	423.974	ug/l	99
60) Dibromochloromethane	8.86	129	418963	89.168	ug/l	99
61) 1,2-Dibromoethane	9.13	107	334496	91.554	ug/l	98
64) Tetrachloroethene	8.31	164	404194	86.026	ug/l	99
65) Chlorobenzene	9.93	112	1065014	88.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	421775	85.370	ug/l	98
67) Ethyl Benzene	10.03	91	1858535	83.781	ug/l	96
68) m/p-Xylenes	10.26	106	1399968	171.404	ug/l	88
69) o-Xylene	10.82	106	763016	86.302	ug/l	92
70) Styrene	10.89	104	1076705	83.776	ug/l	98
71) Bromoform	10.88	173	226070	87.377	ug/l #	96
73) Isopropylbenzene	11.21	105	1956645	82.418	ug/l	95
74) N-amyl acetate	11.45	43	509493	82.336	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	373525	88.323	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	254679	88.876	ug/l	93
77) Bromobenzene	11.58	156	443571	89.841	ug/l	93
78) n-propylbenzene	11.67	91	2190142	81.161	ug/l	98
79) 2-Chlorotoluene	11.80	91	1347391	84.707	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	1583368	79.968	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	162398	105.318	ug/l	96
82) 4-Chlorotoluene	11.97	91	1313766	84.280	ug/l	94
83) tert-Butylbenzene	12.20	119	1584047	80.568	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1536506	79.961	ug/l	93
85) sec-Butylbenzene	12.37	105	2121496	82.059	ug/l	93
86) p-Isopropyltoluene	12.52	119	1789976	81.270	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	770446	85.291	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	749592	85.111	ug/l	94
89) n-Butylbenzene	12.90	91	1734332	78.675	ug/l	95
90) Hexachloroethane	12.97	117	465272	86.239	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	730881	84.311	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	69384	91.093	ug/l	86

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:22:58 2019
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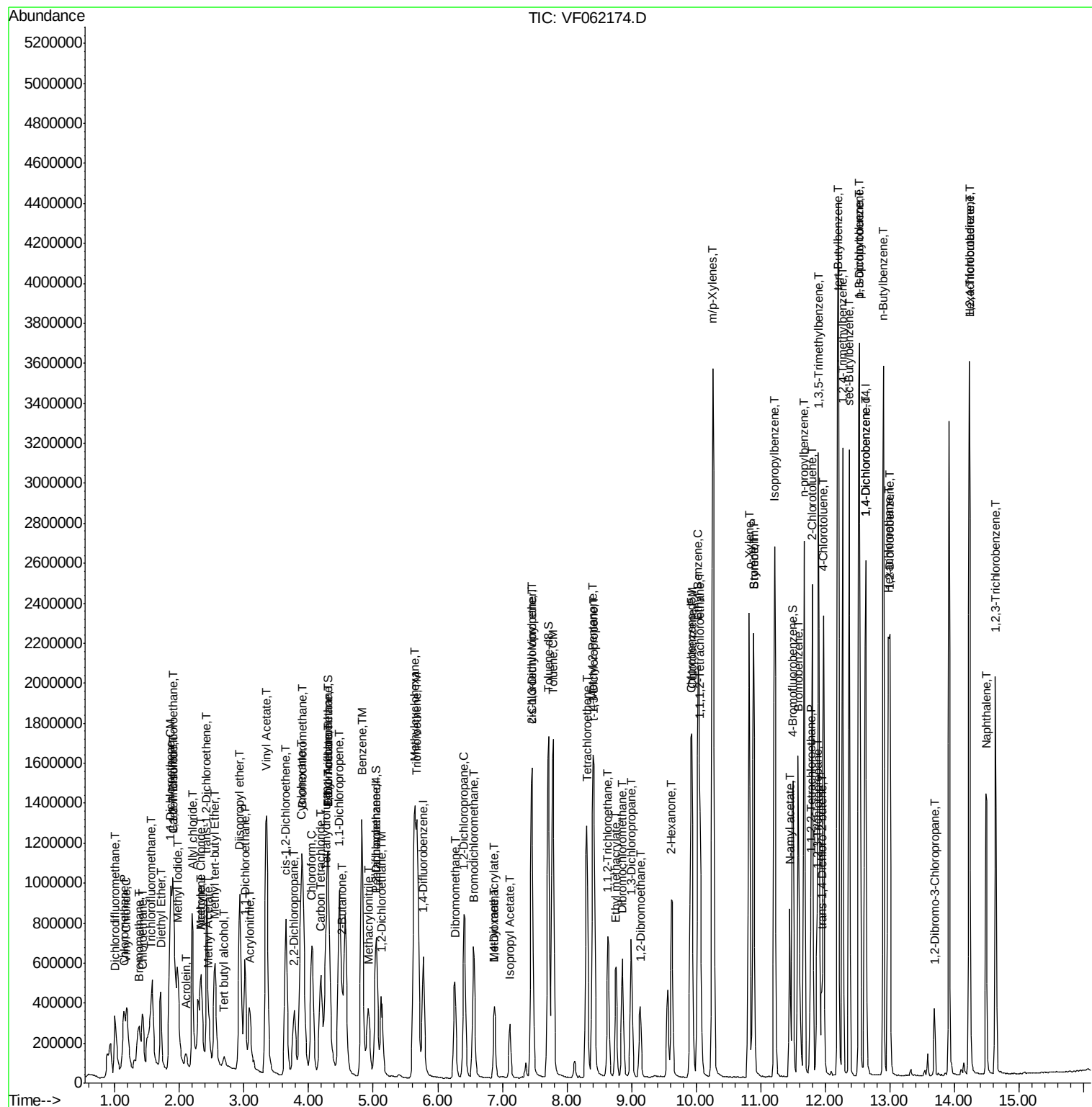
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	557573	85.640	ug/l	97
94) Hexachlorobutadiene	14.23	225	386348	91.054	ug/l	99
95) Naphthalene	14.50	128	1066810	93.787	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	549785	90.636	ug/l	97

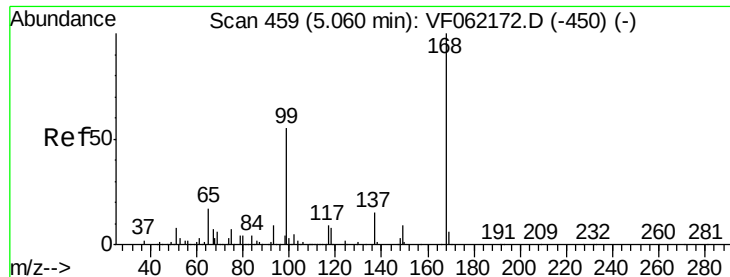
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VF062174.D
Acq On : 16 Apr 2019 13:14
Operator : FY/SY
Sample : VSTDIC100
Misc : 5.00µL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Quant Time: Apr 17 07:30:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:22:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

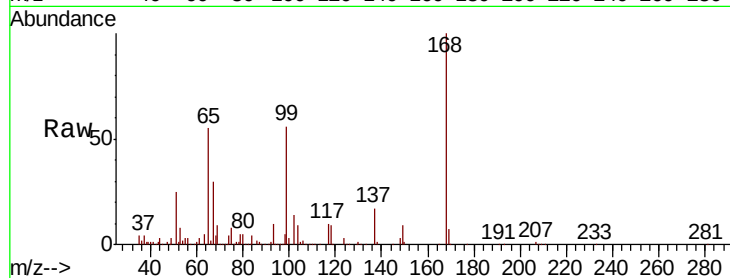
VSTDIC100

Tot Ion:168 Resp: 441525

Ion Ratio Lower Upper

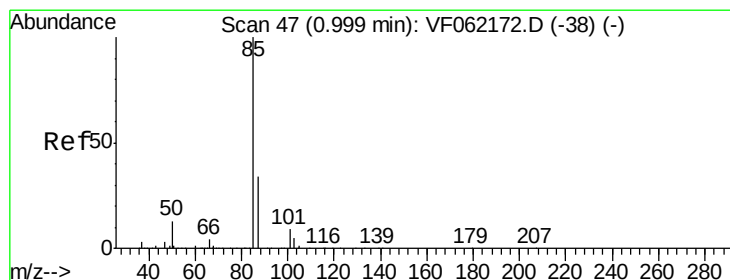
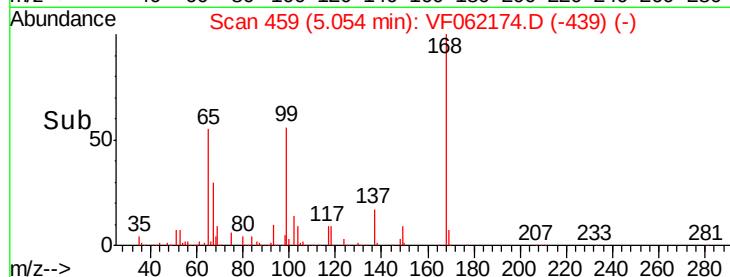
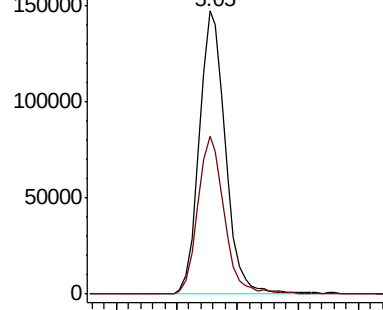
168 100

99 55.9 44.2 66.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 87.374 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062174.D

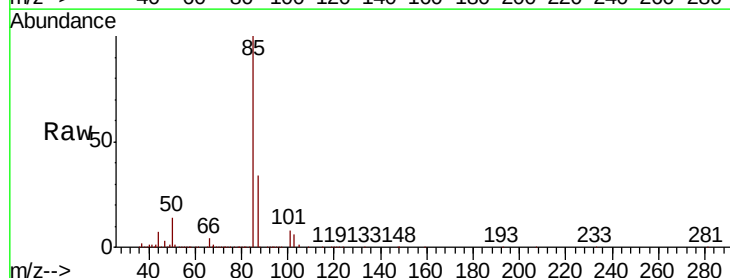
Acq: 16 Apr 2019 13:14

Tgt Ion: 85 Resp: 567009

Ion Ratio Lower Upper

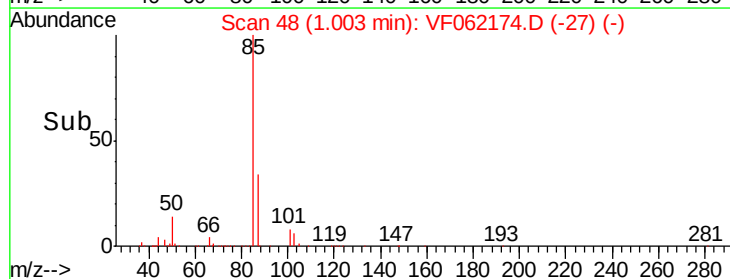
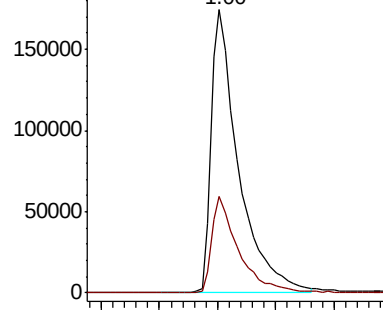
85 100

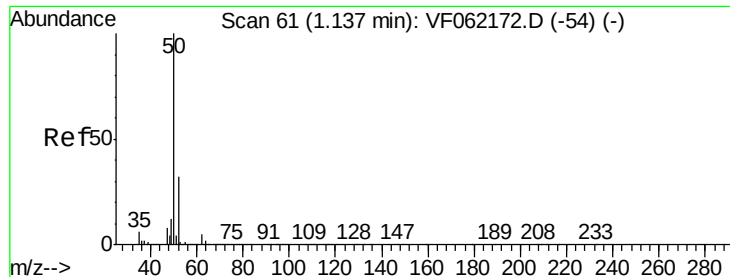
87 34.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 91.301 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

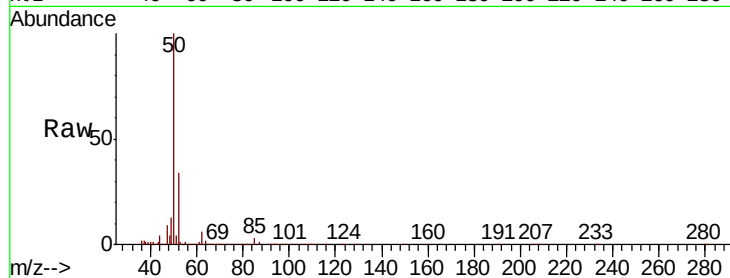
VSTDIC100

Tot Ion: 50 Resp: 636858

Ion Ratio Lower Upper

50 100

52 34.2 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.14

200000

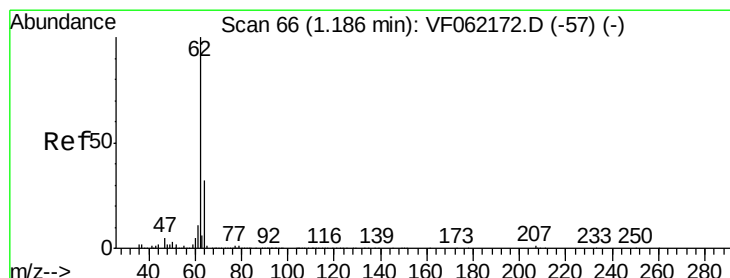
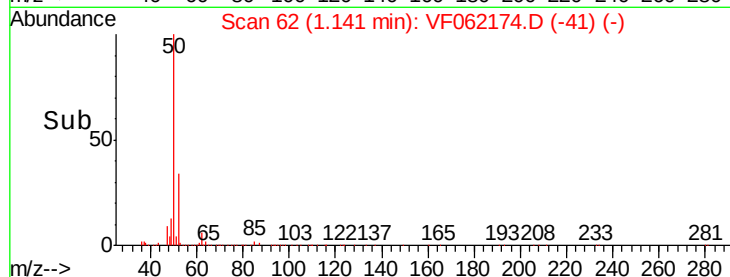
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 90.069 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062174.D

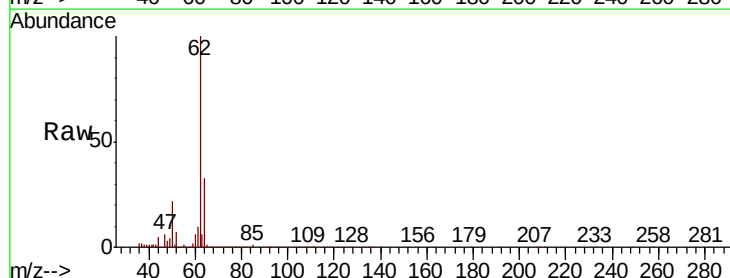
Acq: 16 Apr 2019 13:14

Tgt Ion: 62 Resp: 550056

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.19

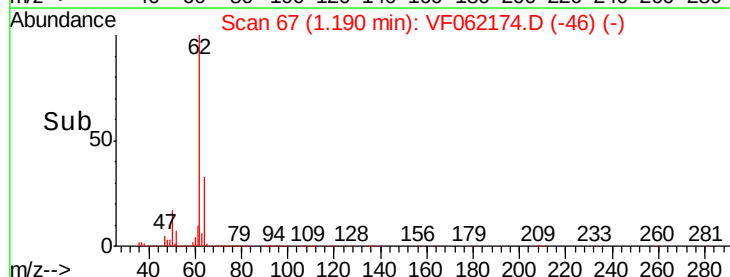
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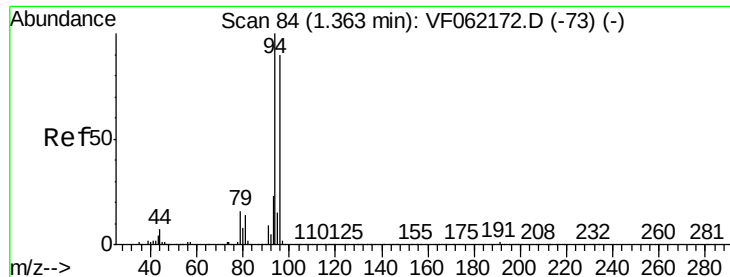
100000

50000

0

Time-->





#5

Bromomethane

Concen: 86.438 ug/l

RT: 1.38 min Scan# 86

Delta R.T. 0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

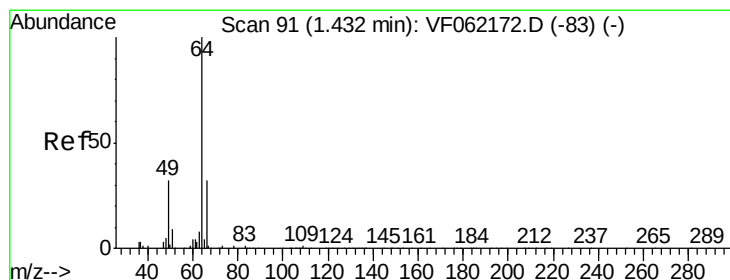
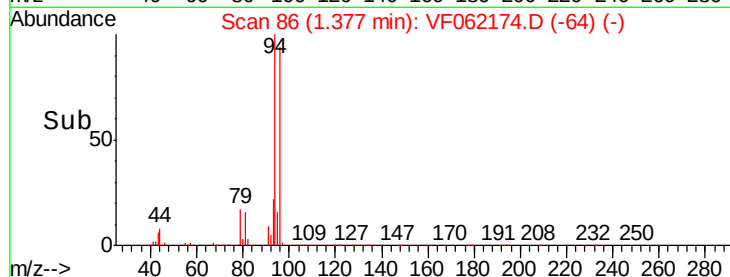
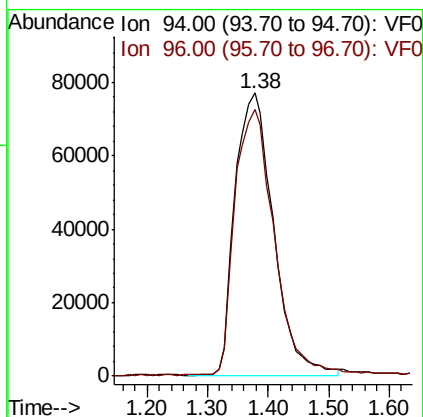
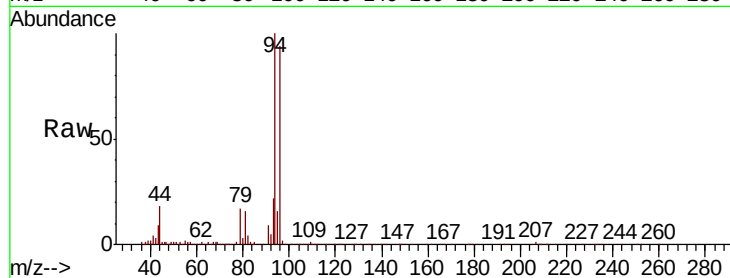
VSTDIC100

Tot Ion: 94 Resp: 338810

Ion Ratio Lower Upper

94 100

96 94.4 72.3 108.5



#6

Chloroethane

Concen: 89.488 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062174.D

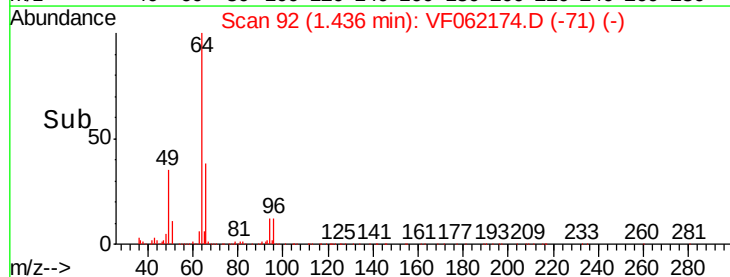
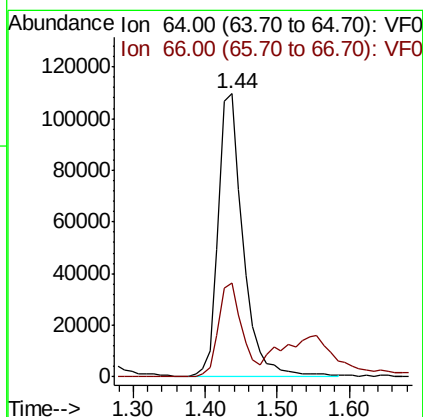
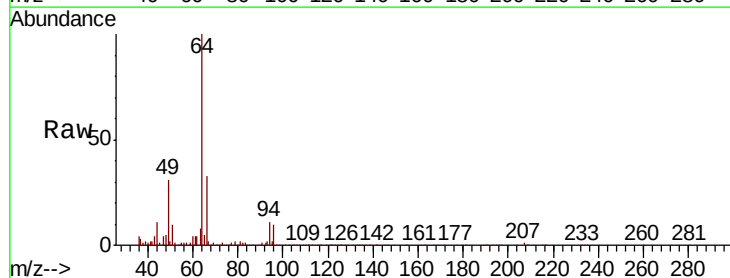
Acq: 16 Apr 2019 13:14

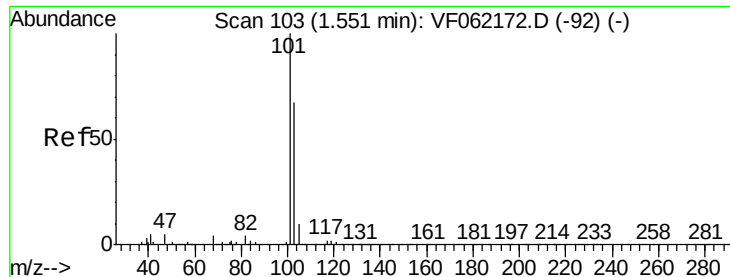
Tgt Ion: 64 Resp: 258564

Ion Ratio Lower Upper

64 100

66 33.1 25.7 38.5



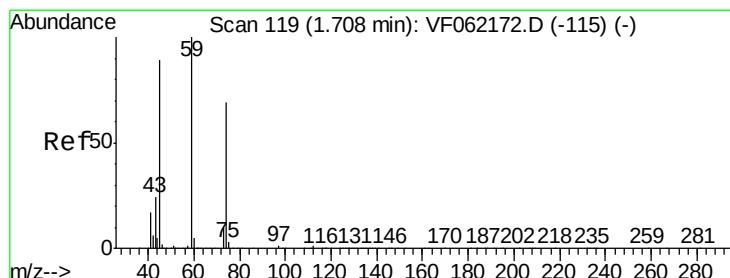
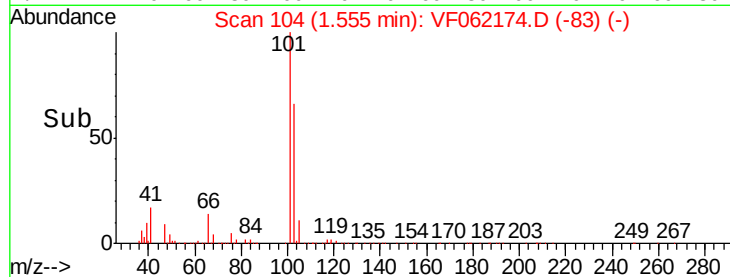
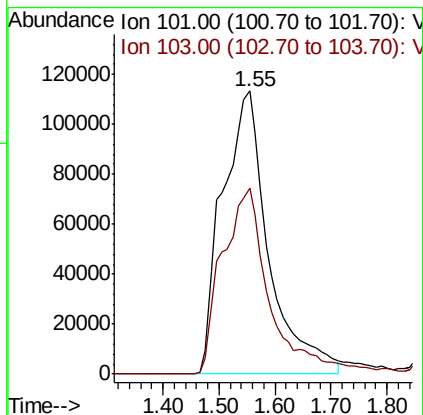
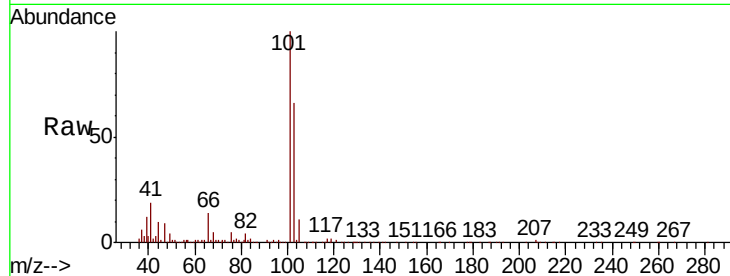


#7

Trichlorofluoromethane
Concen: 89.413 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

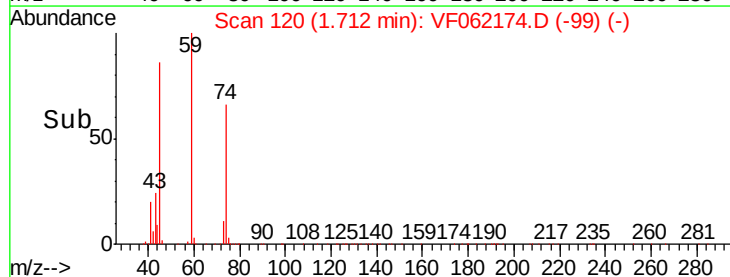
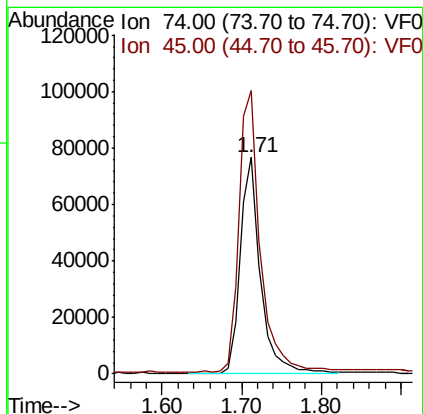
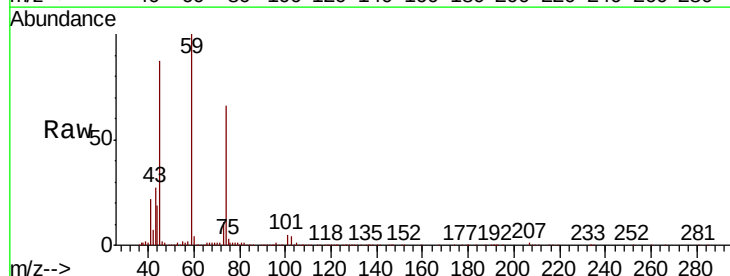
Tot Ion:101 Resp: 651196
Ion Ratio Lower Upper
101 100
103 66.0 53.7 80.5

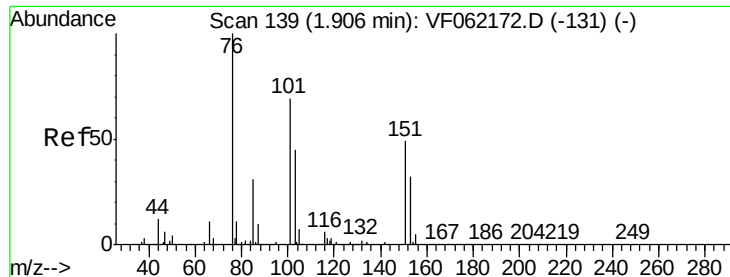


#8

Diethyl Ether
Concen: 92.437 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 74 Resp: 135815
Ion Ratio Lower Upper
74 100
45 130.8 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.046 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

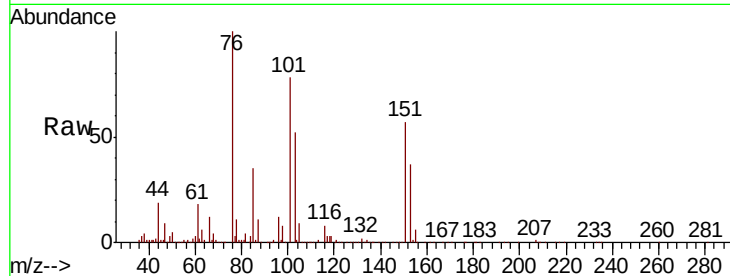
Tot Ion:101 Resp: 424498

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

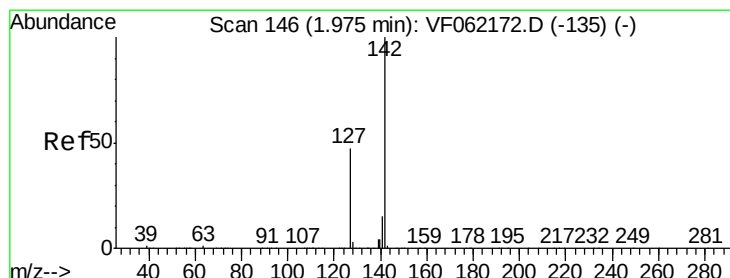
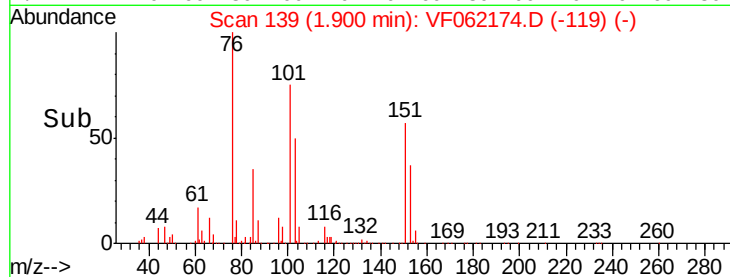
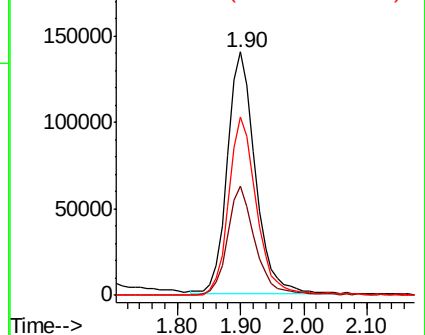
151 73.2 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 89.972 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

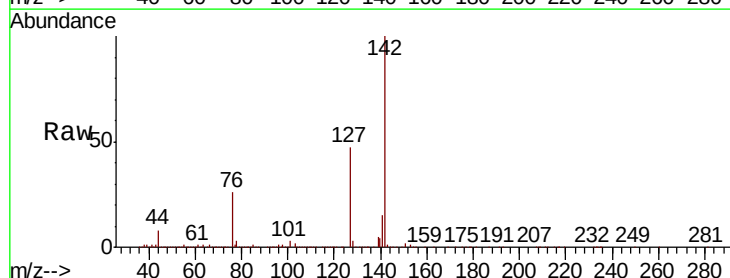
Tgt Ion:142 Resp: 799520

Ion Ratio Lower Upper

142 100

127 46.9 37.8 56.6

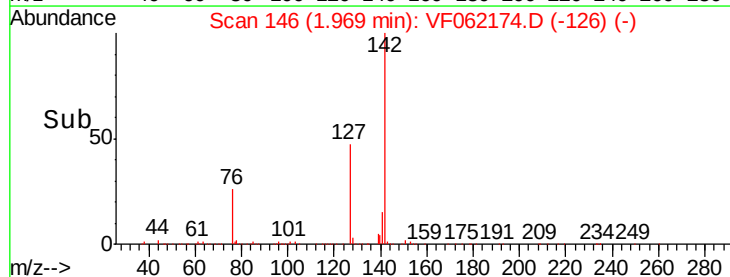
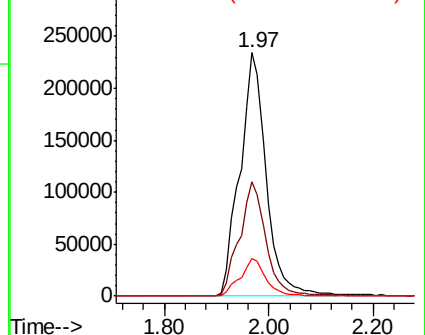
141 15.4 12.1 18.1

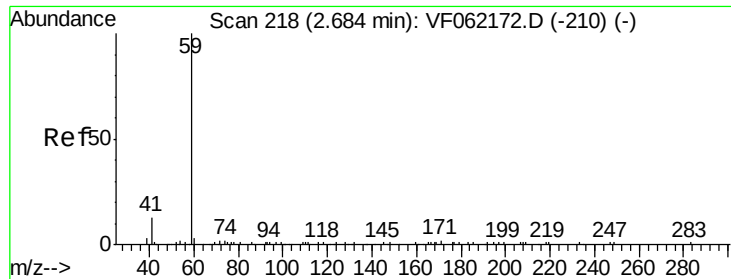


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



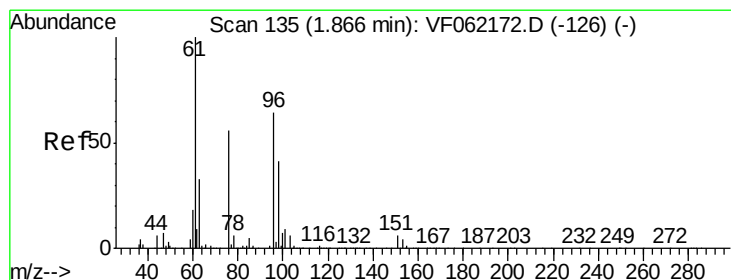
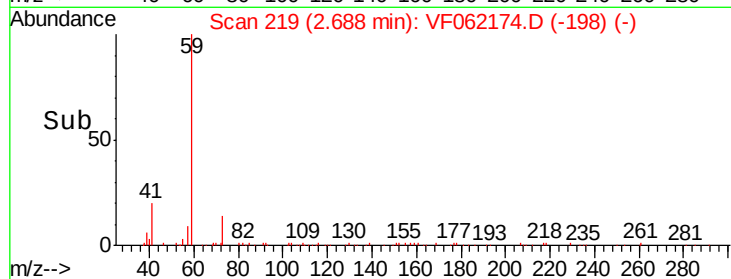
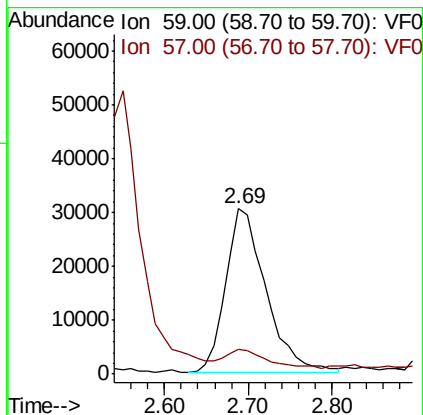
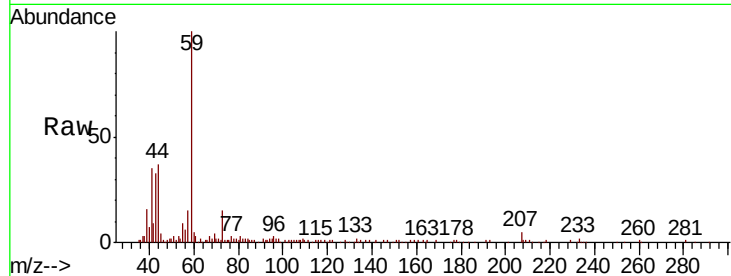


#11

Tert butyl alcohol
 Concen: 457.898 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

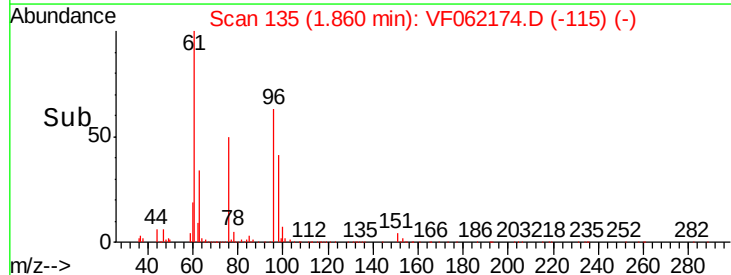
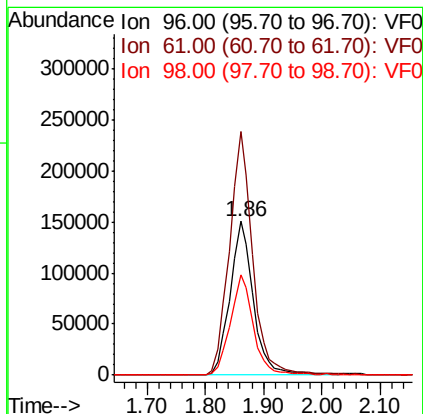
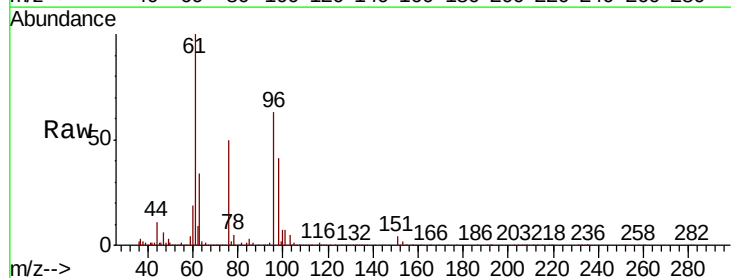
Tot Ion: 59 Resp: 100962
 Ion Ratio Lower Upper
 59 100
 57 15.3 14.2 21.4

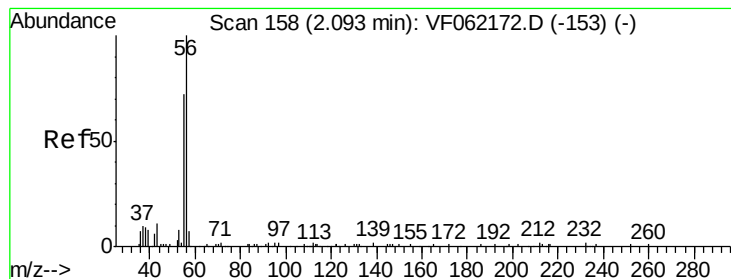


#12

1,1-Dichloroethene
 Concen: 86.082 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion: 96 Resp: 417330
 Ion Ratio Lower Upper
 96 100
 61 158.2 124.6 187.0
 98 65.2 51.5 77.3





#13

Acrolein

Concen: 395.535 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

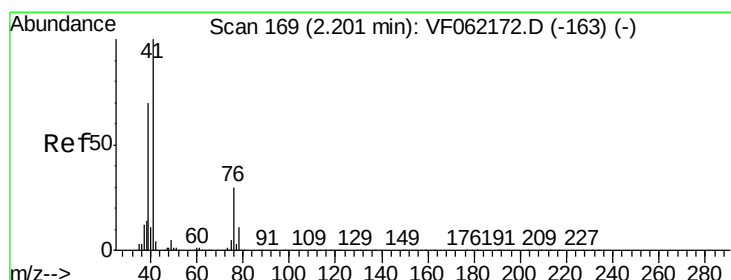
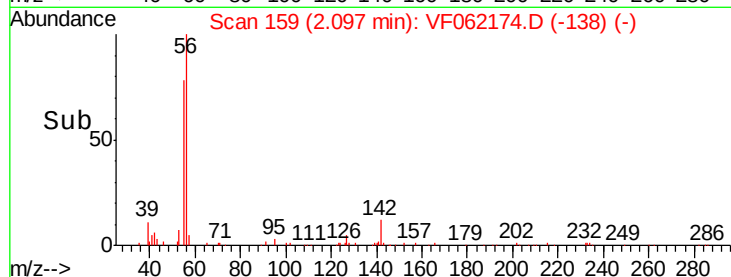
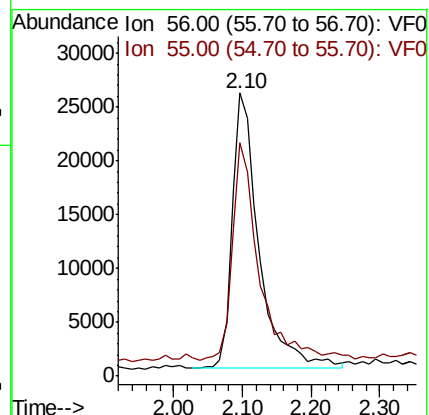
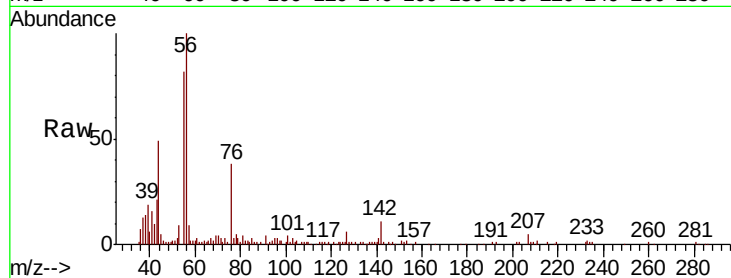
VSTDIC100

Tot Ion: 56 Resp: 68001

Ion Ratio Lower Upper

56 100

55 82.4 62.9 94.3



#14

Allyl chloride

Concen: 100.381 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

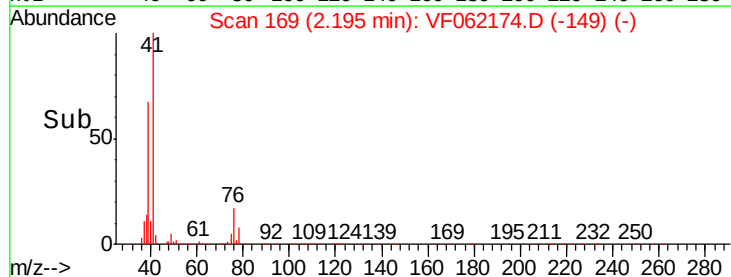
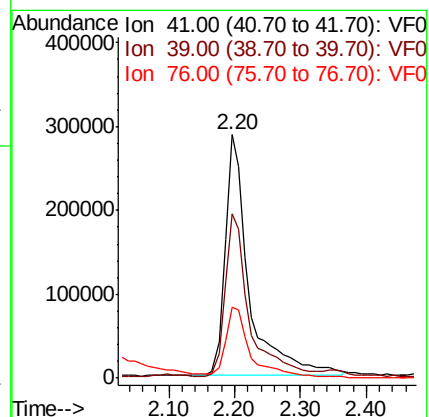
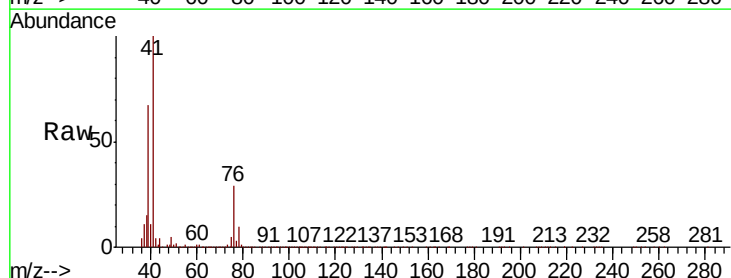
Tgt Ion: 41 Resp: 732785

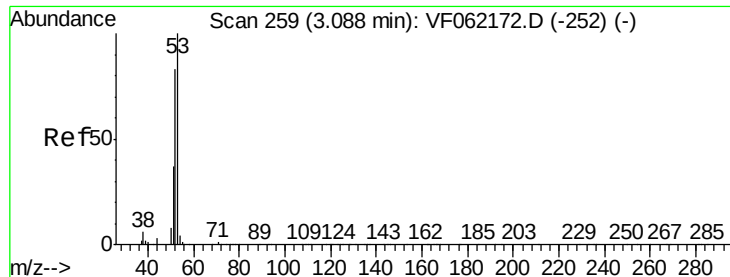
Ion Ratio Lower Upper

41 100

39 67.5 56.1 84.1

76 29.2 24.9 37.3





#15

Acrylonitrile

Concen: 418.435 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

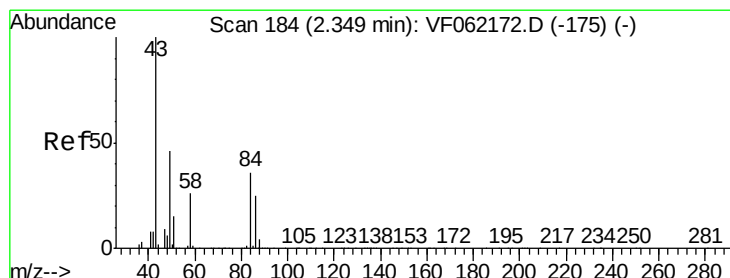
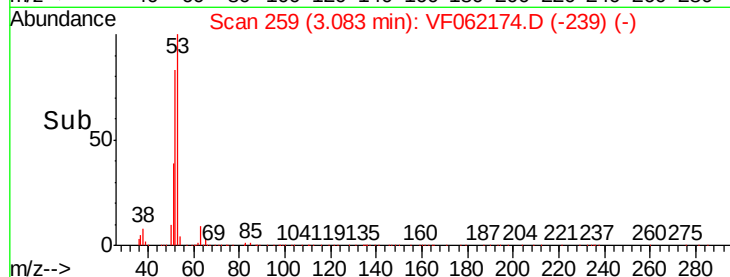
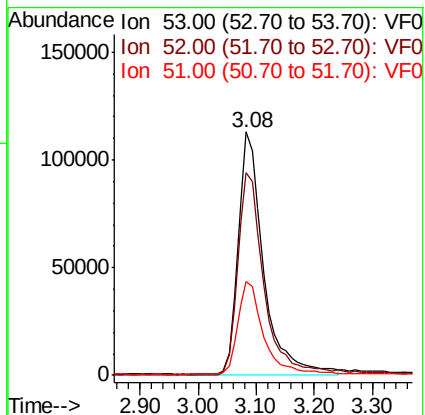
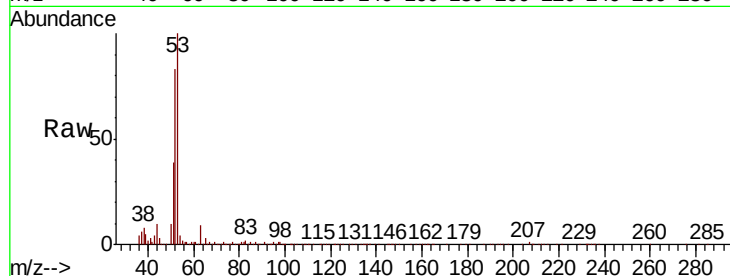
Tot Ion: 53 Resp: 339716

Ion Ratio Lower Upper

53 100

52 83.1 66.6 99.8

51 38.8 30.1 45.1



#16

Acetone

Concen: 425.134 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062174.D

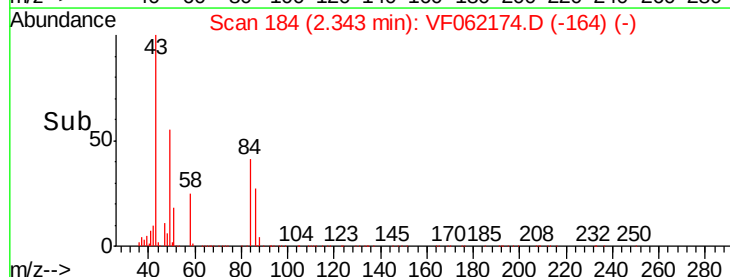
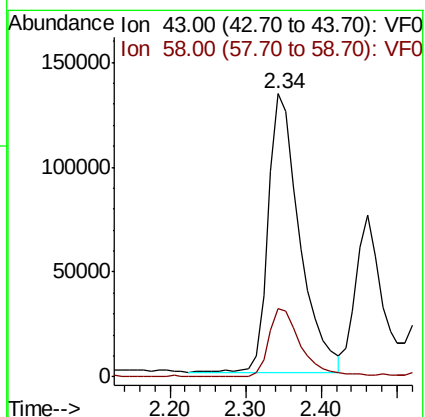
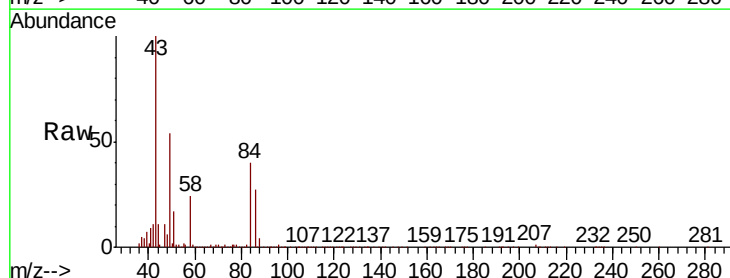
Acq: 16 Apr 2019 13:14

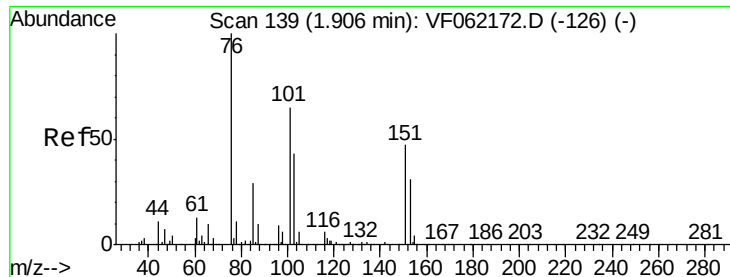
Tgt Ion: 43 Resp: 381280

Ion Ratio Lower Upper

43 100

58 24.3 20.2 30.2





#17

Carbon Disulfide

Concen: 89.094 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

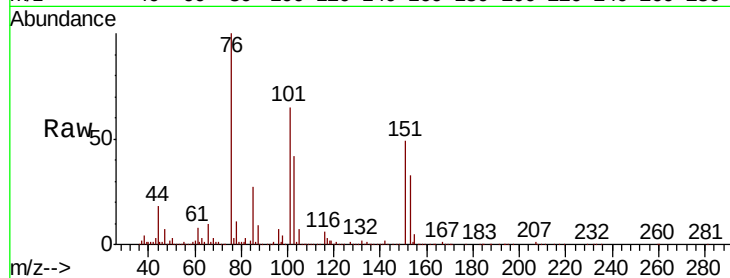
VSTDIC100

Tot Ion: 76 Resp: 1228398

Ion Ratio Lower Upper

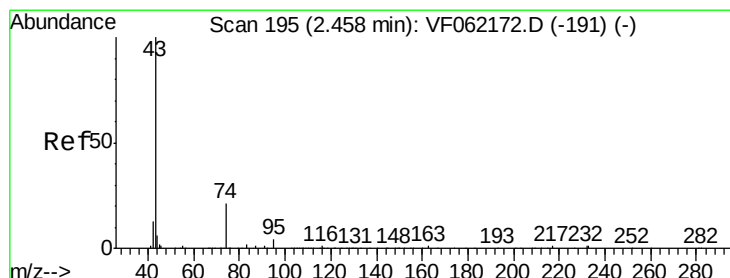
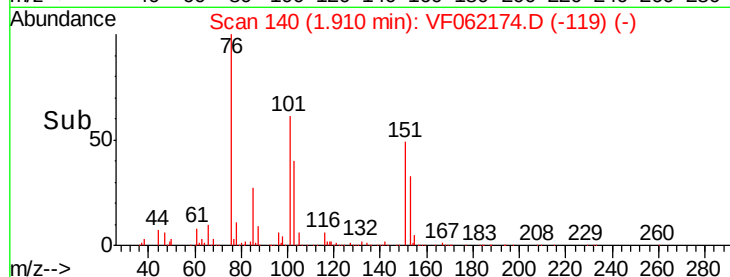
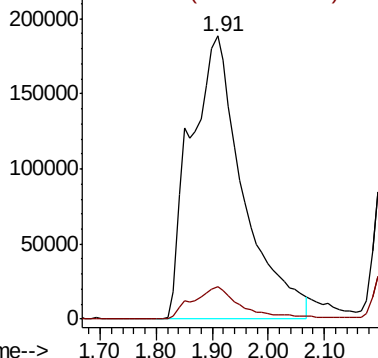
76 100

78 11.4 9.1 13.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 73.857 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062174.D

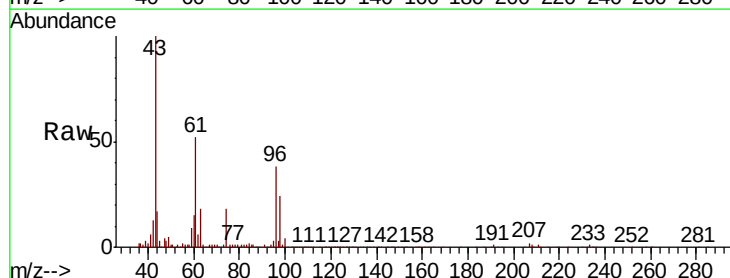
Acq: 16 Apr 2019 13:14

Tgt Ion: 43 Resp: 157155

Ion Ratio Lower Upper

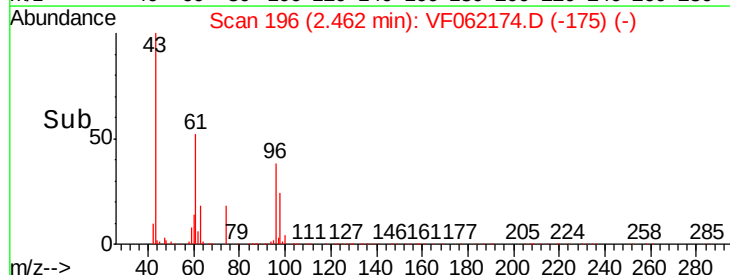
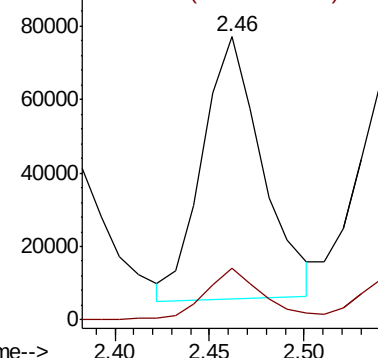
43 100

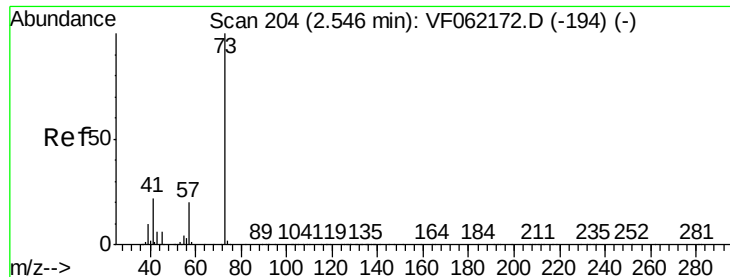
74 18.1 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



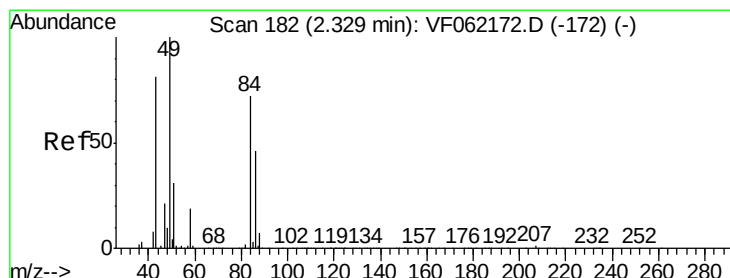
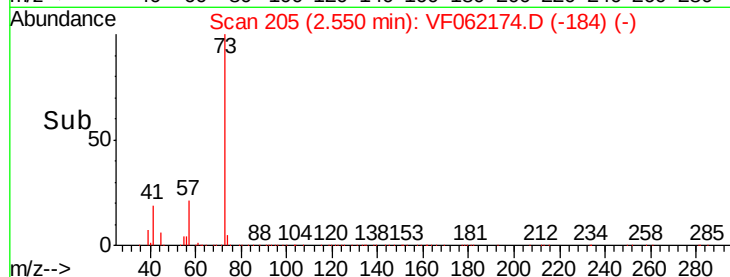
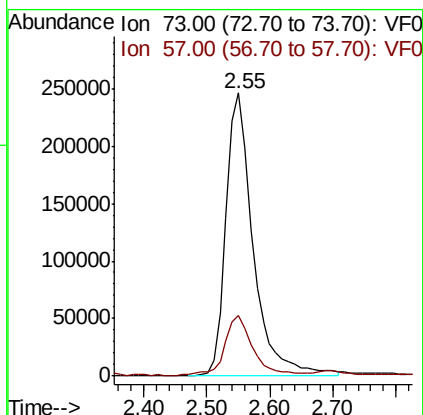
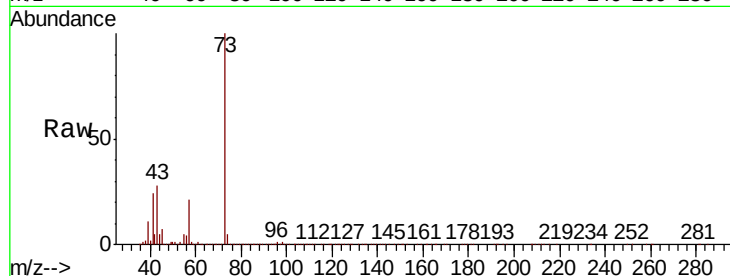


#19

Methyl tert-butyl Ether
 Concen: 90.354 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

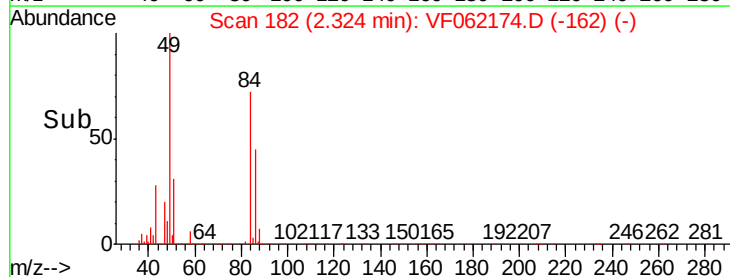
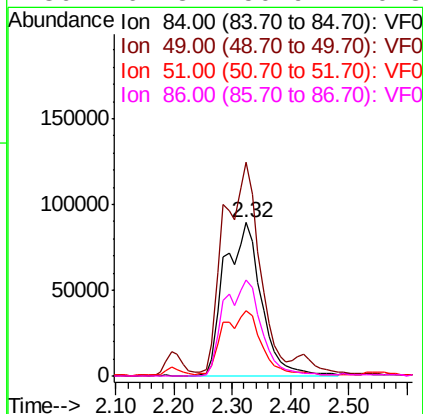
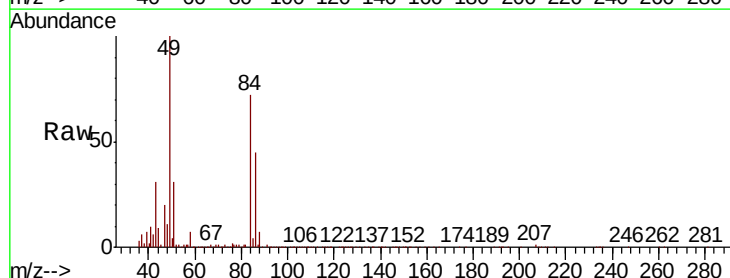
Tot Ion: 73 Resp: 728622
 Ion Ratio Lower Upper
 73 100
 57 21.4 16.8 25.2

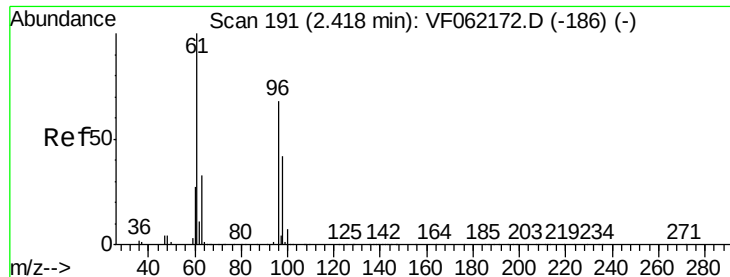


#20

Methylene Chloride
 Concen: 75.697 ug/l
 RT: 2.32 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion: 84 Resp: 388975
 Ion Ratio Lower Upper
 84 100
 49 139.3 111.5 167.3
 51 42.8 34.9 52.3
 86 62.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 89.846 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

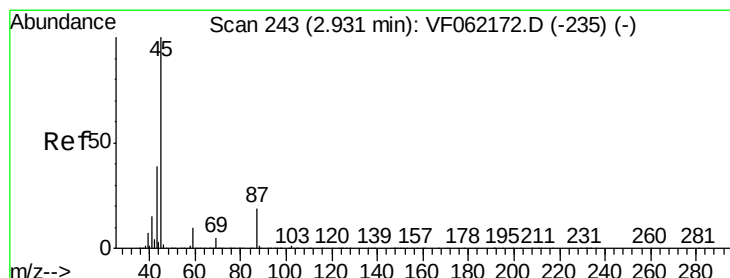
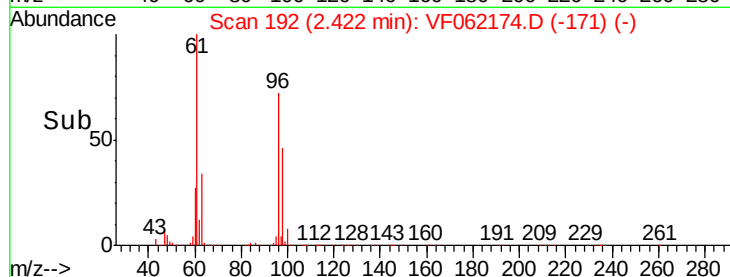
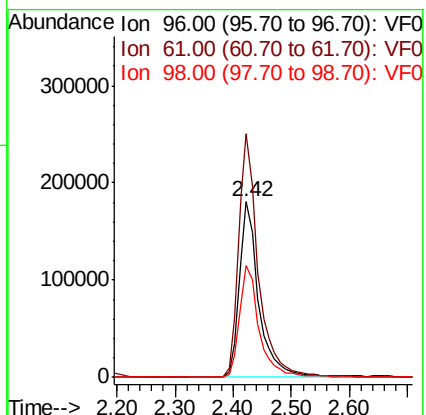
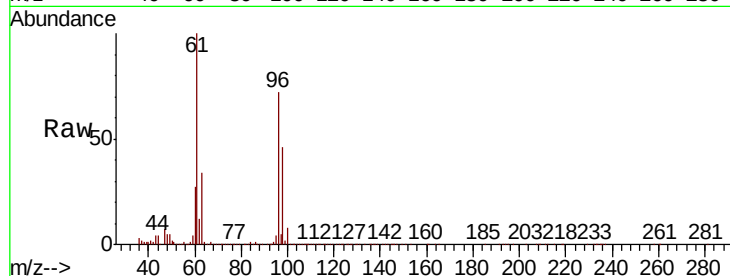
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 416757

Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.4	176.2
98	64.1	49.8	74.8



#22

Diisopropyl ether

Concen: 91.127 ug/l

RT: 2.93 min Scan# 244

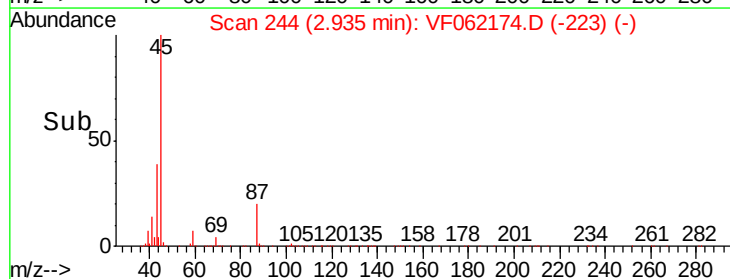
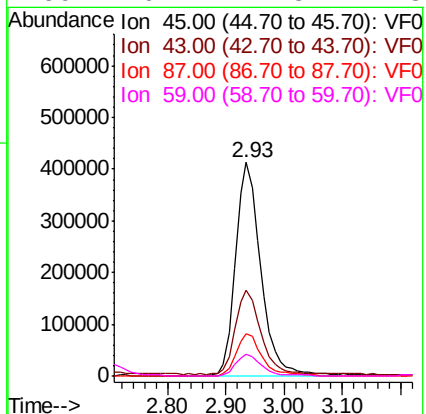
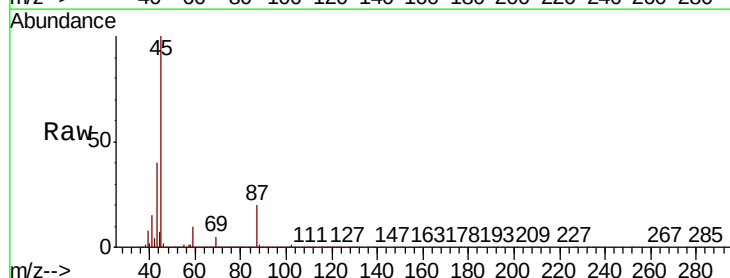
Delta R.T. 0.00 min

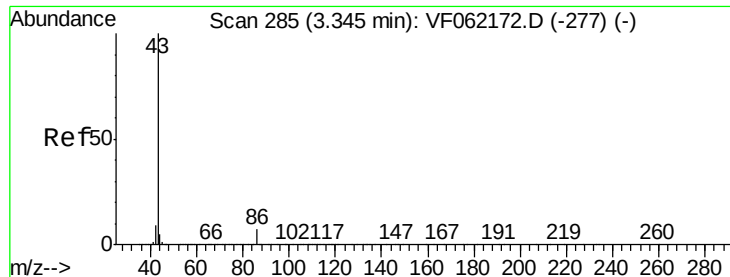
Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion: 45 Resp: 1236529

Ion	Ratio	Lower	Upper
45	100		
43	40.3	32.5	48.7
87	19.8	14.9	22.3
59	10.1	7.8	11.8





#23

Vinyl Acetate

Concen: 450.204 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

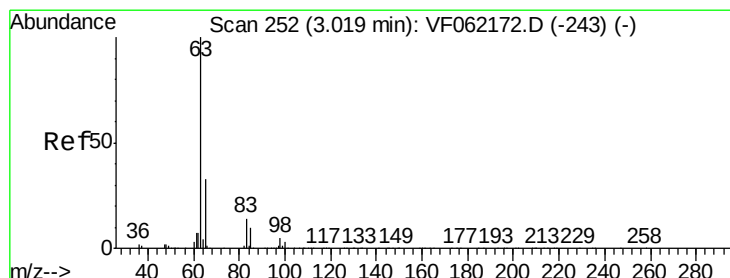
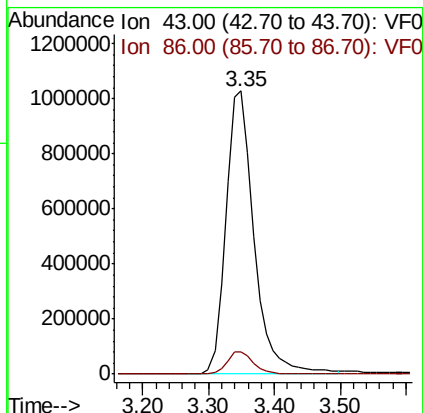
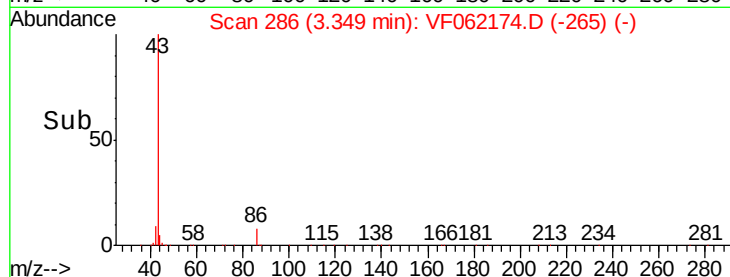
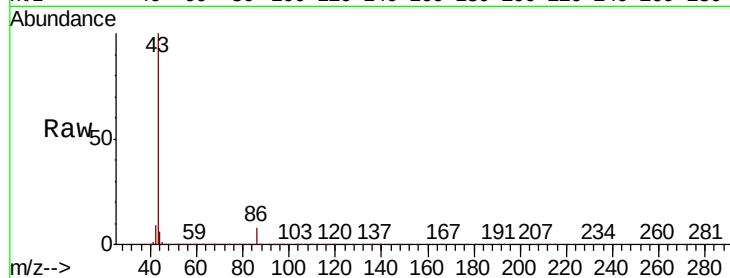
VSTDIC100

Tot Ion: 43 Resp: 3047282

Ion Ratio Lower Upper

43 100

86 8.0 5.9 8.9



#24

1,1-Dichloroethane

Concen: 90.030 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

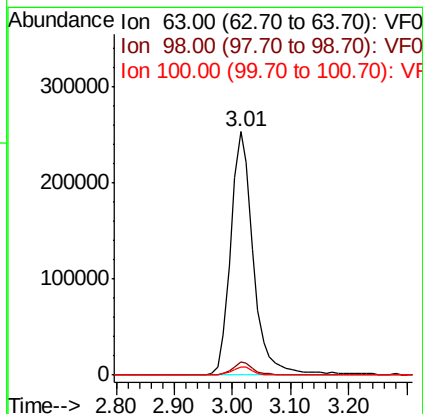
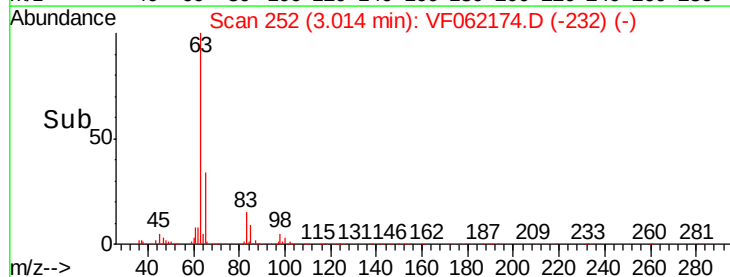
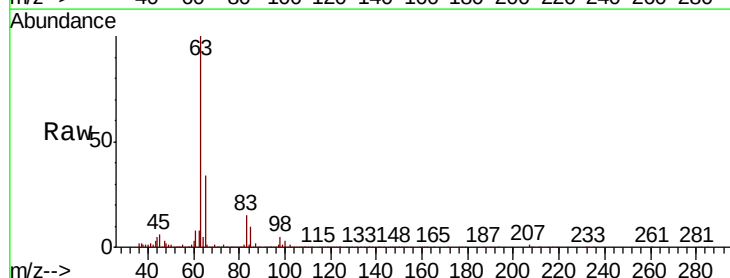
Tgt Ion: 63 Resp: 680298

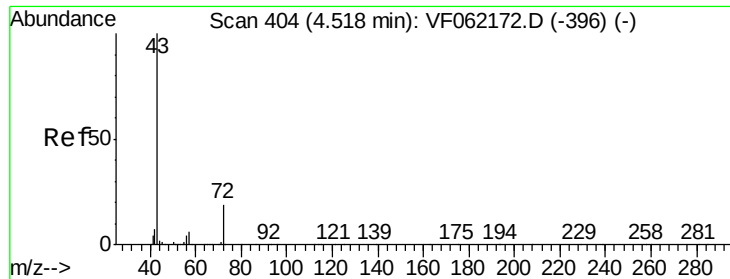
Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

100 3.5 1.7 5.1

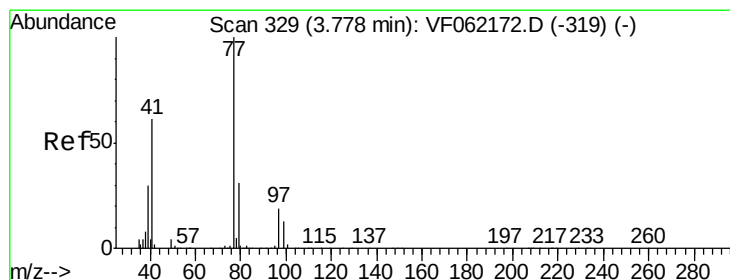
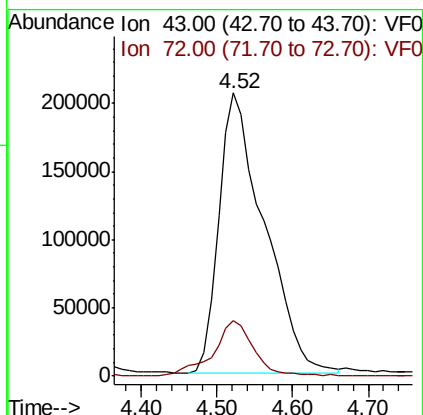
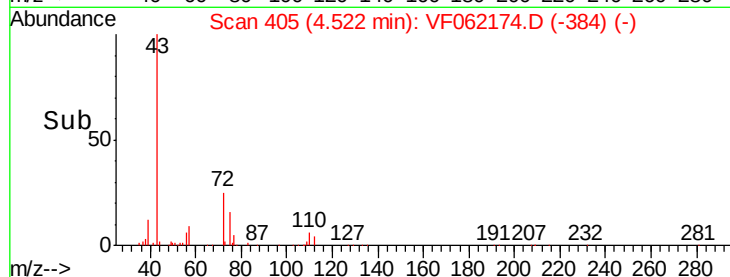
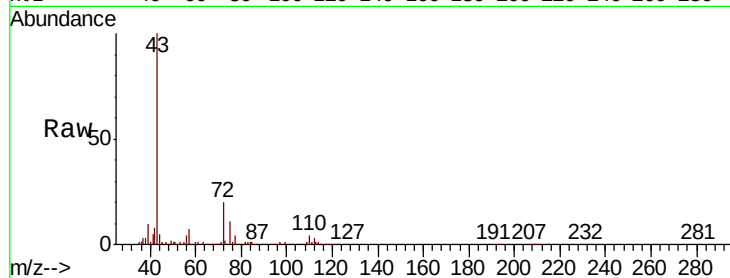




#25
2-Butanone
Concen: 444.373 ug/l
RT: 4.52 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

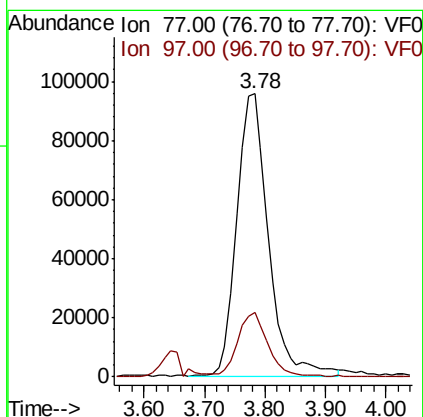
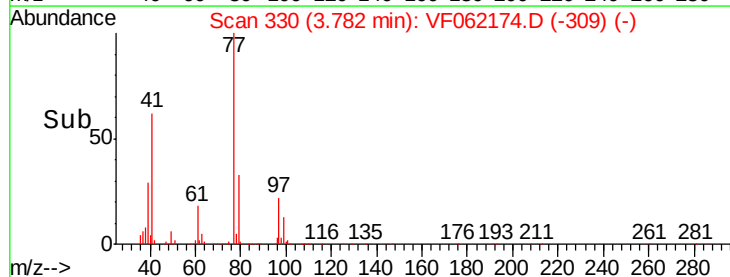
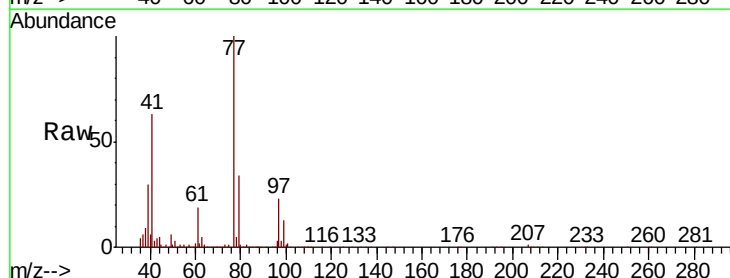
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

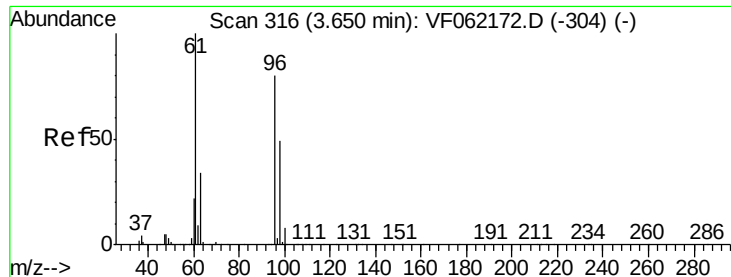
Tot Ion: 43 Resp: 856371
Ion Ratio Lower Upper
43 100
72 19.8 15.4 23.2



#26
2,2-Dichloropropane
Concen: 86.989 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 77 Resp: 345742
Ion Ratio Lower Upper
77 100
97 22.6 10.3 30.9



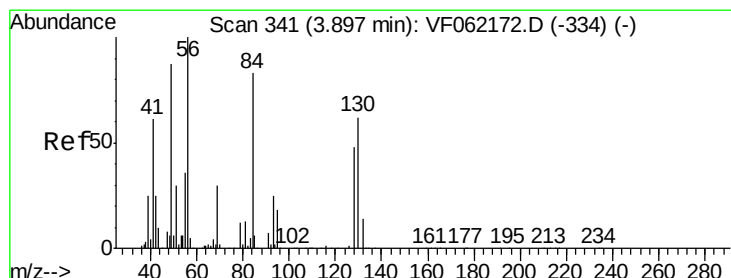
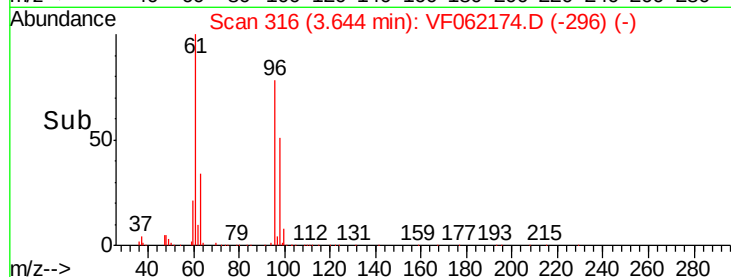
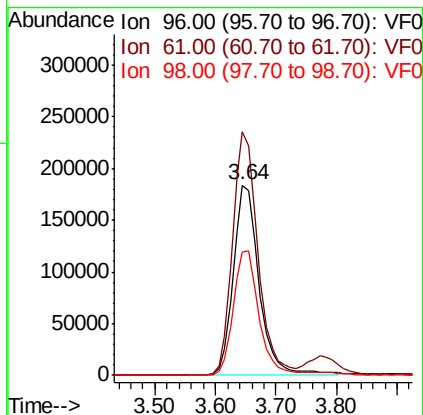
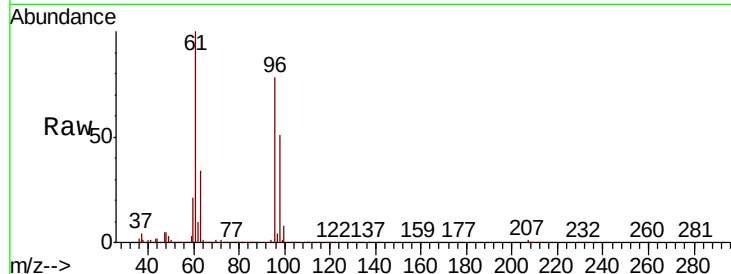


#27

cis-1,2-Dichloroethene
 Concen: 87.807 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

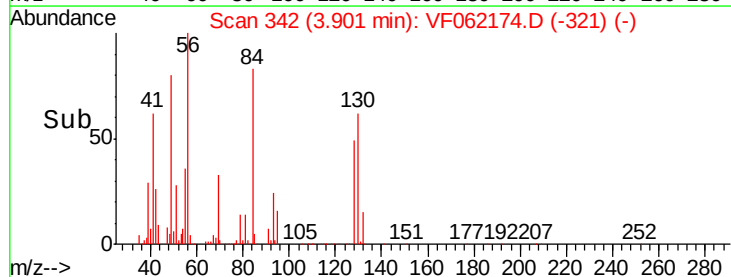
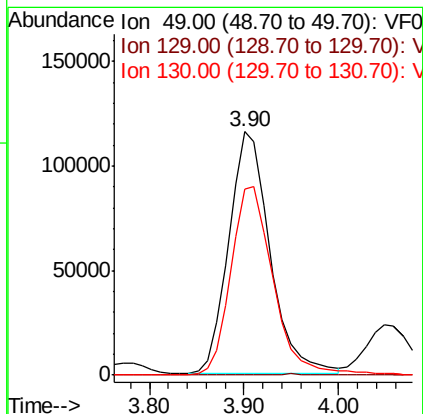
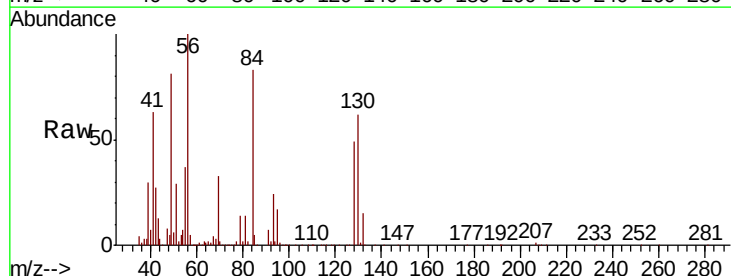
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	248.2
98	65.2	0.0	122.4

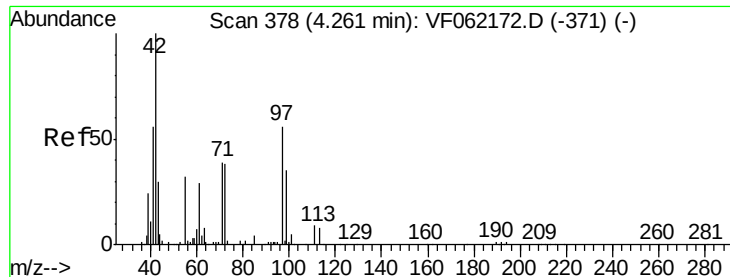


#28

Bromochloromethane
 Concen: 96.868 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	76.4	56.5	84.7





#29

Tetrahydrofuran

Concen: 407.497 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

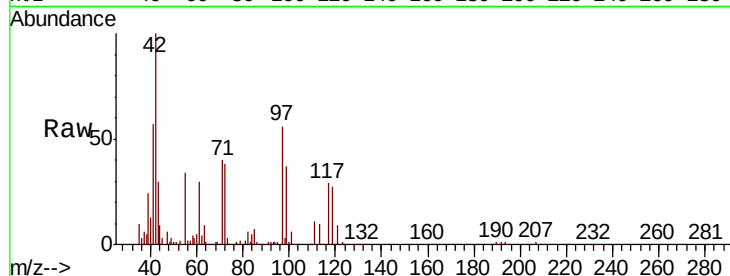
Tot Ion: 42 Resp: 349188

Ion Ratio Lower Upper

42 100

72 39.0 28.7 43.1

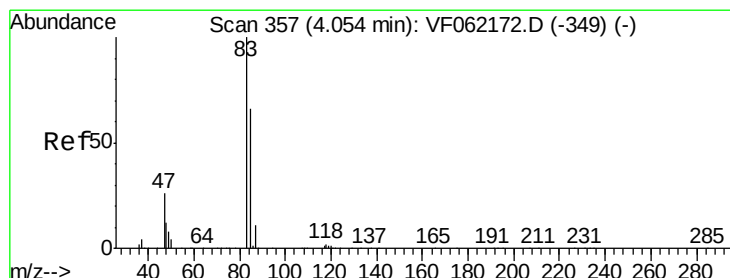
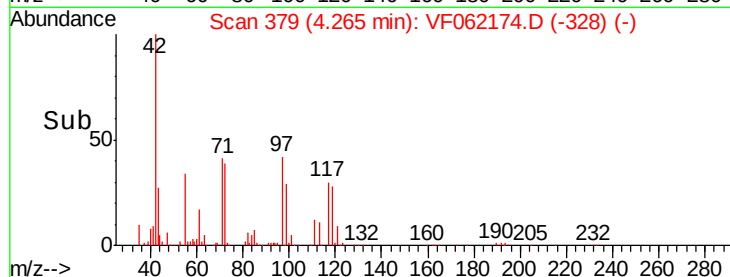
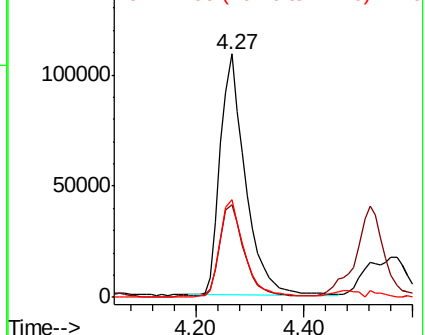
71 39.8 30.8 46.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 89.611 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.01 min

Lab File: VF062174.D

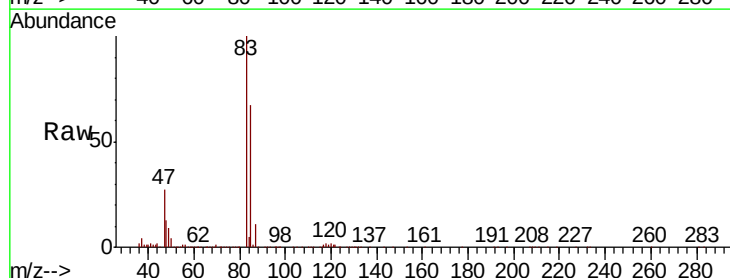
Acq: 16 Apr 2019 13:14

Tgt Ion: 83 Resp: 841844

Ion Ratio Lower Upper

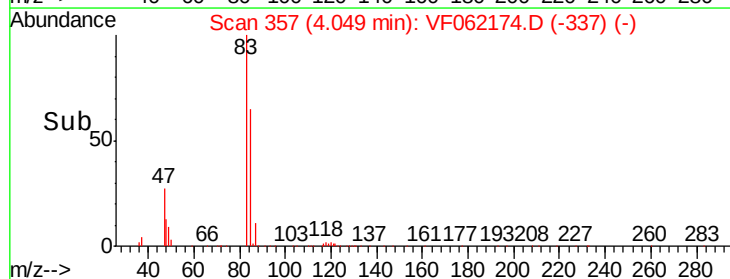
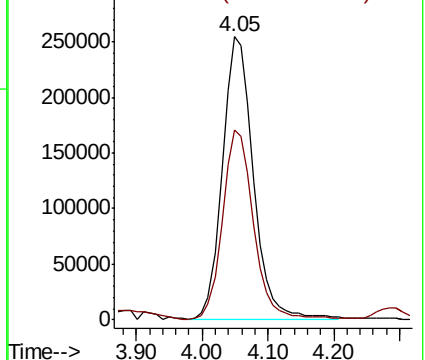
83 100

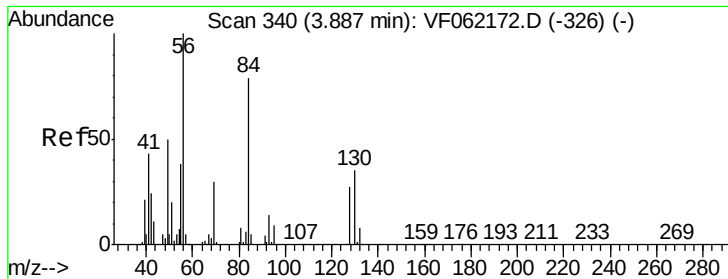
85 67.0 53.5 80.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

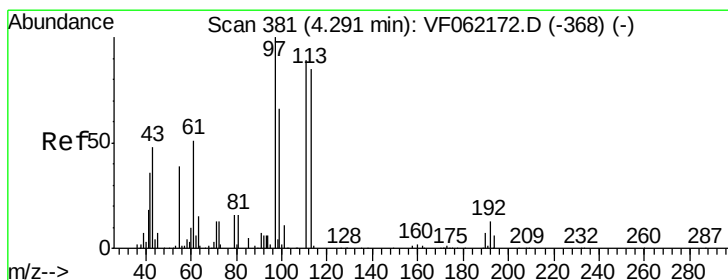
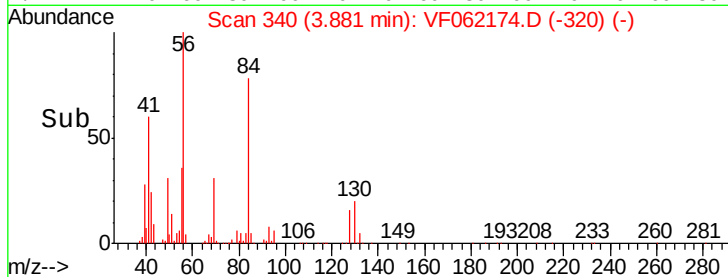
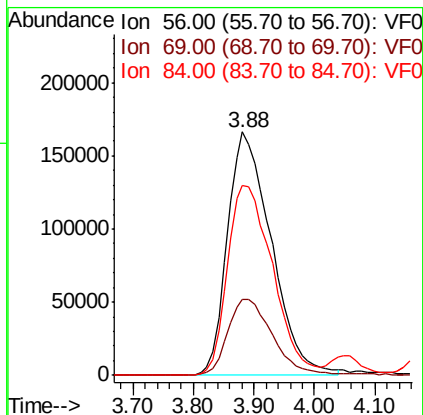
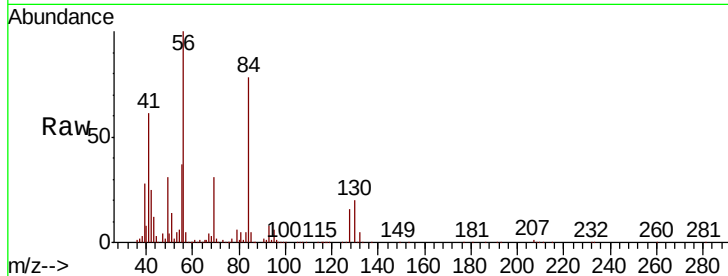




#31
Cyclohexane
Concen: 85.177 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

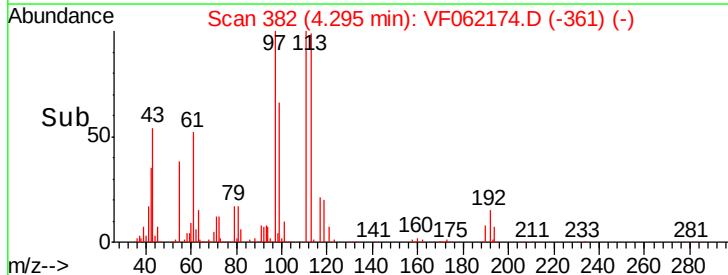
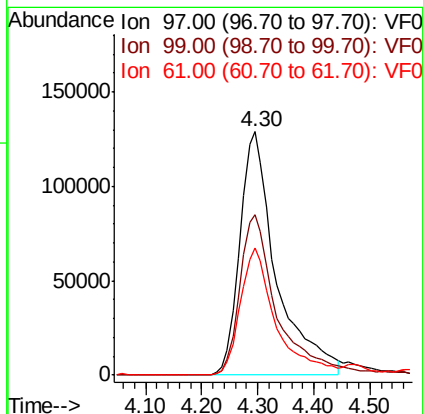
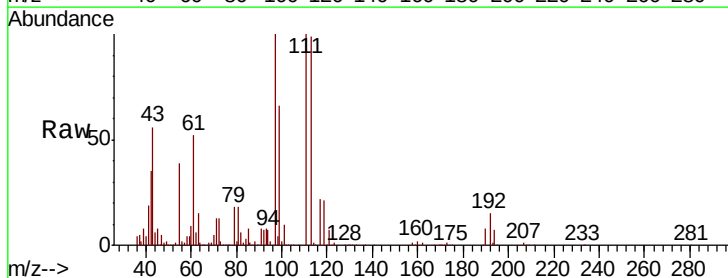
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

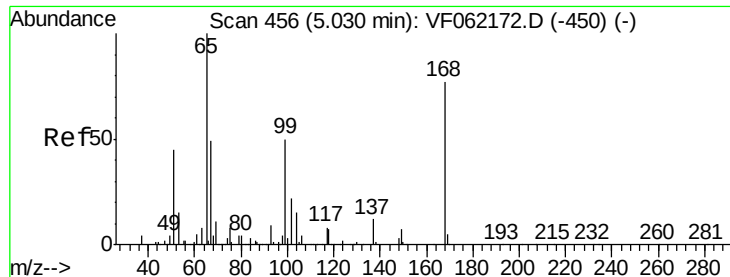
Tot Ion	56	Resp	830858
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.4	36.6
84	77.9	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 90.236 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	97	Resp	578052
Ion Ratio	Lower	Upper	
97	100		
99	65.8	52.3	78.5
61	52.2	40.9	61.3

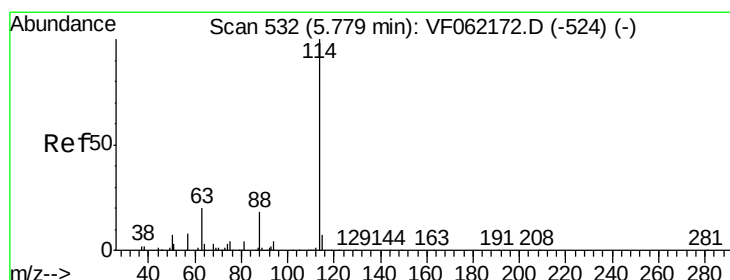
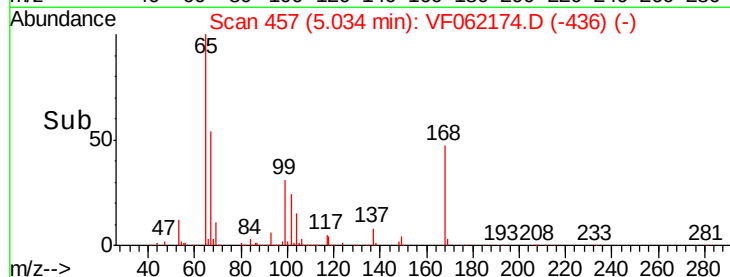
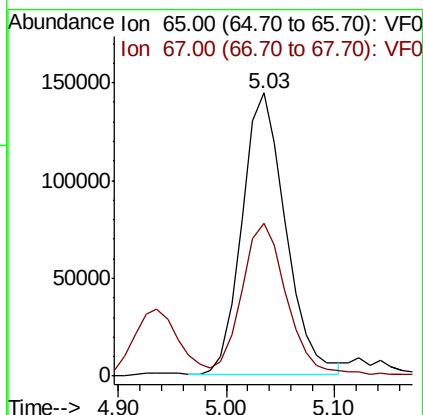
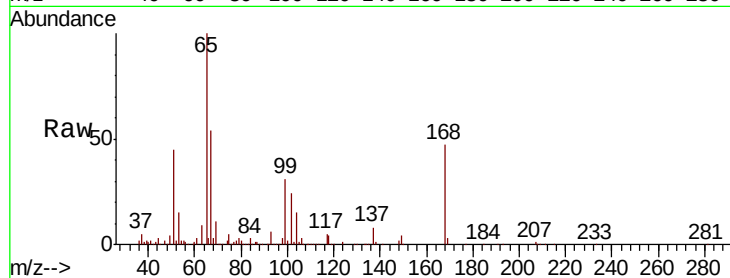




#33
 1,2-Dichloroethane-d4
 Concen: 101.577 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

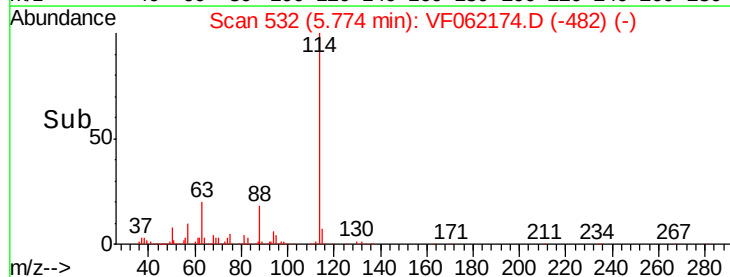
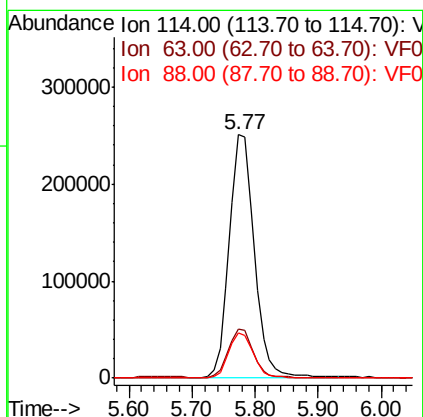
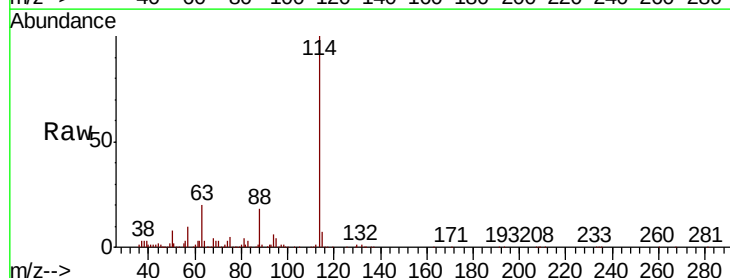
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

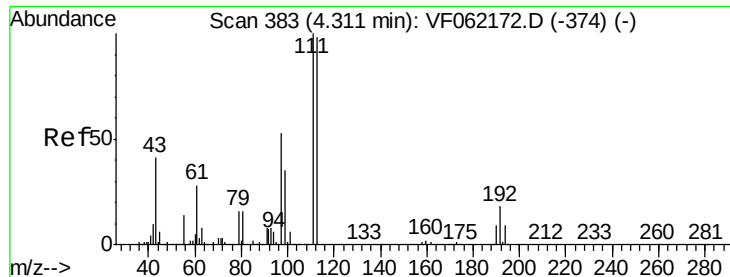
Tot Ion: 65 Resp: 404035
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion: 114 Resp: 691559
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 18.5 0.0 36.6

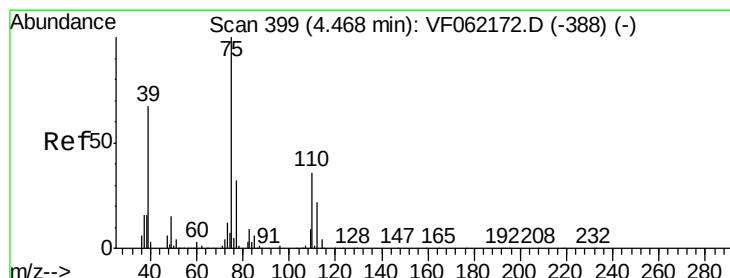
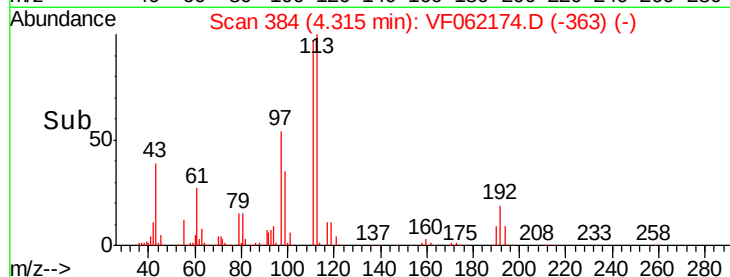
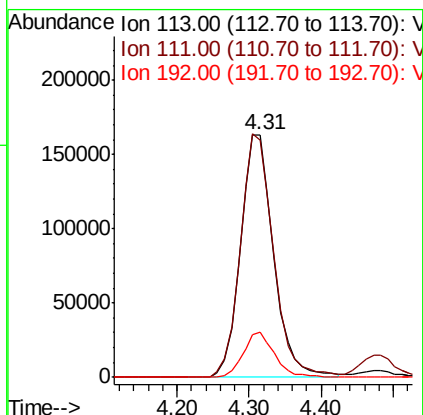
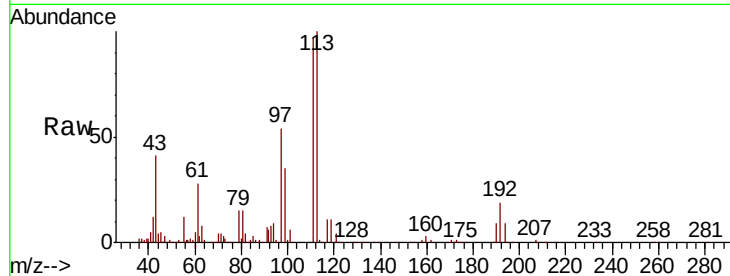




#35
 Dibromofluoromethane
 Concen: 95.836 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

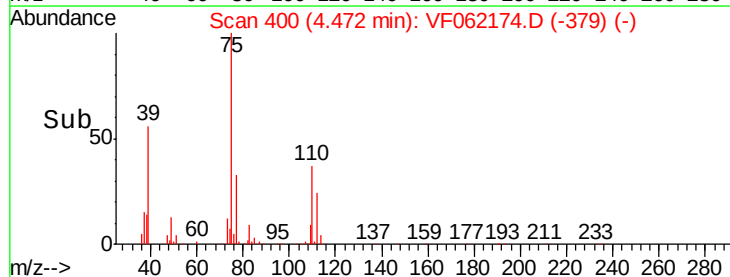
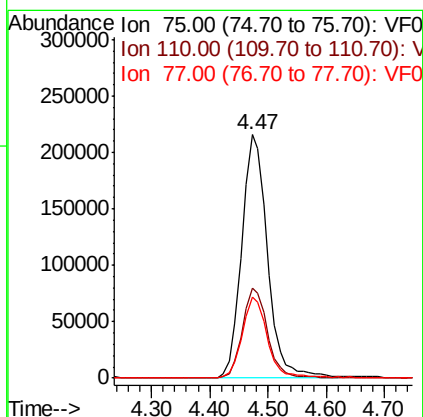
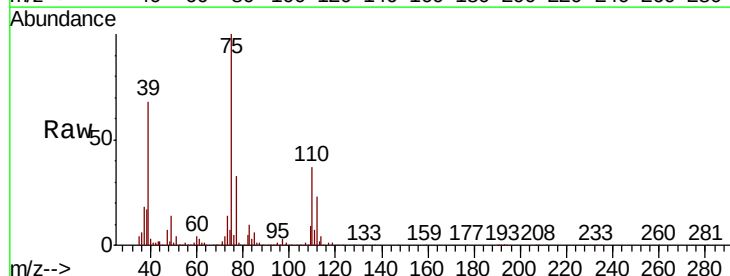
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

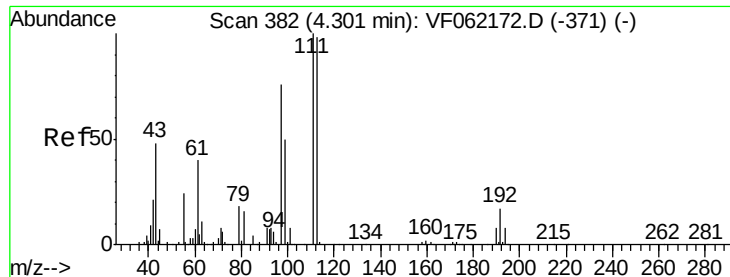
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.5	81.6	122.4
192	18.7	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 87.088 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.9	53.8
77	33.2	25.6	38.4

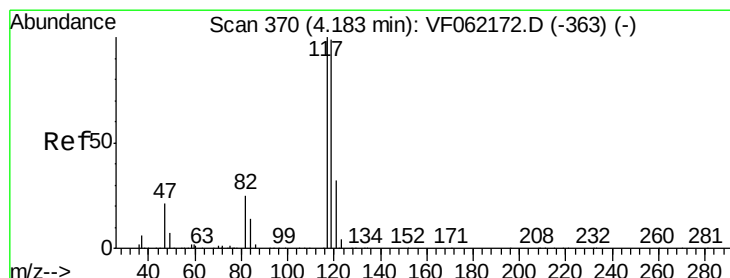
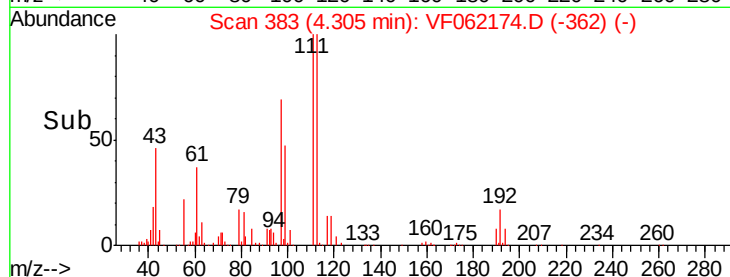
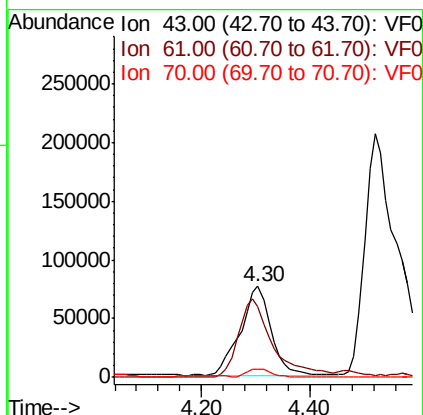
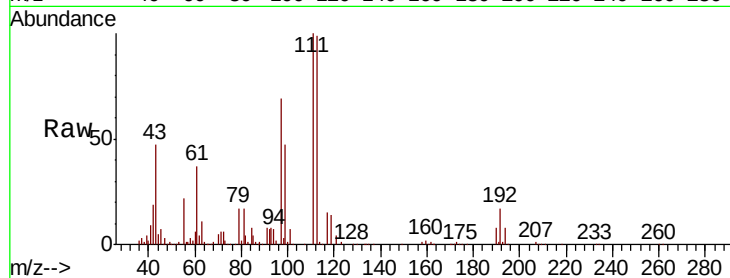




#37
Ethyl Acetate
Concen: 83.306 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

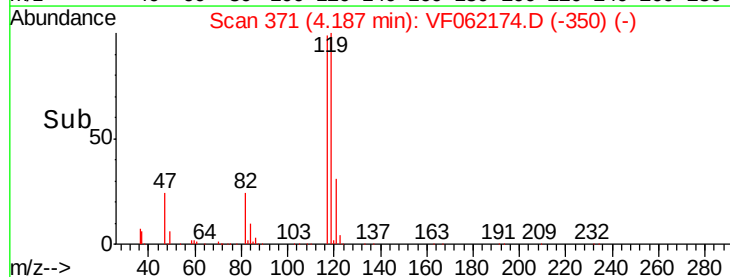
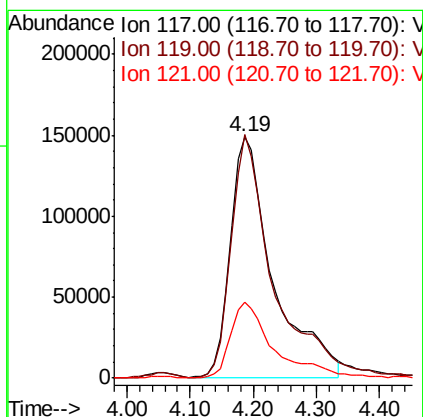
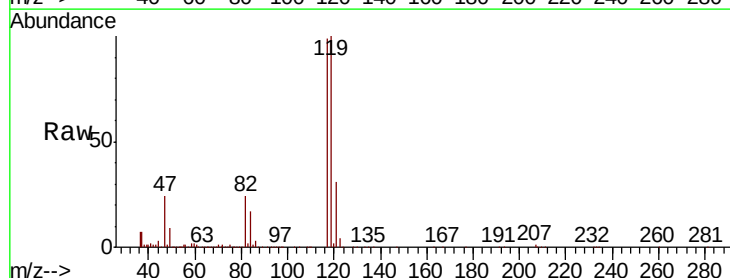
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

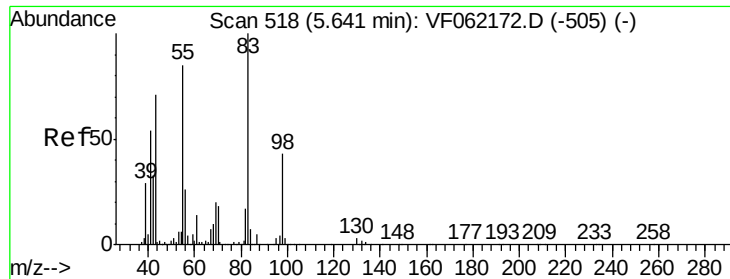
Tot Ion	43.00	Resp	294945
Ion Ratio	Lower	Upper	
43	100		
61	78.6	64.9	97.3
70	9.6	7.8	11.8



#38
Carbon Tetrachloride
Concen: 103.647 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	117.00	Resp	696525
Ion Ratio	Lower	Upper	
117	100		
119	100.9	78.9	118.3
121	31.7	25.3	37.9

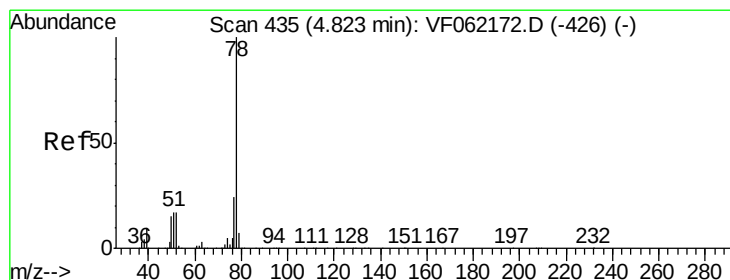
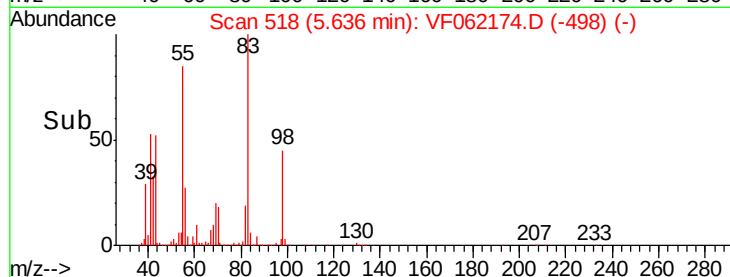
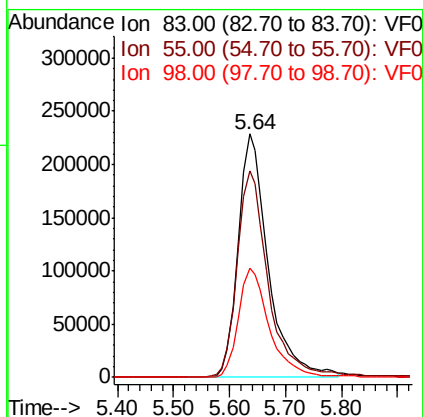
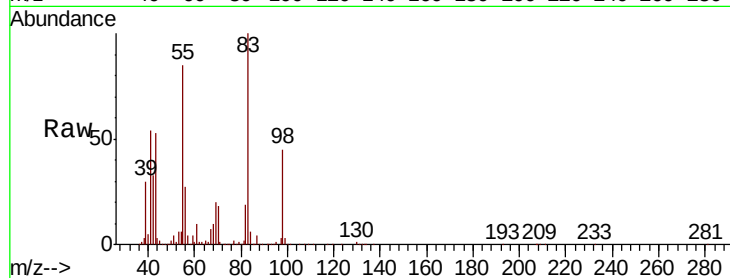




#39
Methylvlcyclohexane
Concen: 88.161 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

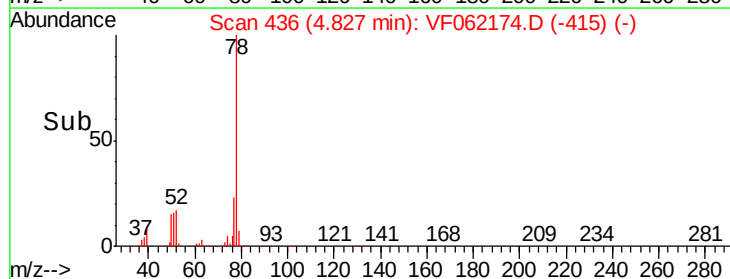
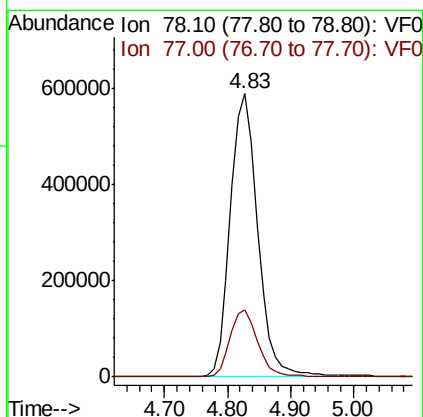
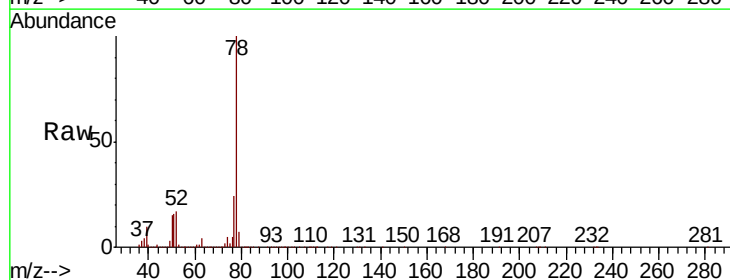
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

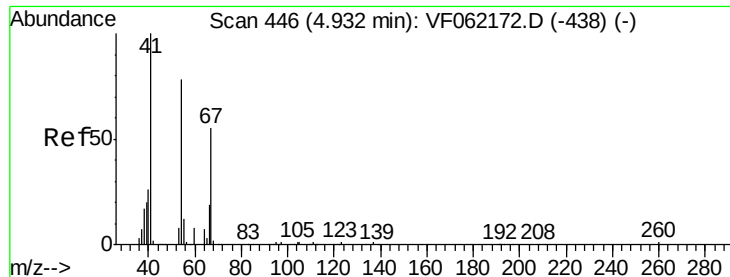
Tot Ion: 83 Resp: 848890
Ion Ratio Lower Upper
83 100
55 84.8 68.2 102.2
98 44.9 34.4 51.6



#40
Benzene
Concen: 87.544 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 78 Resp: 1776837
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





#41

Methacrylonitrile

Concen: 85.035 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 180897

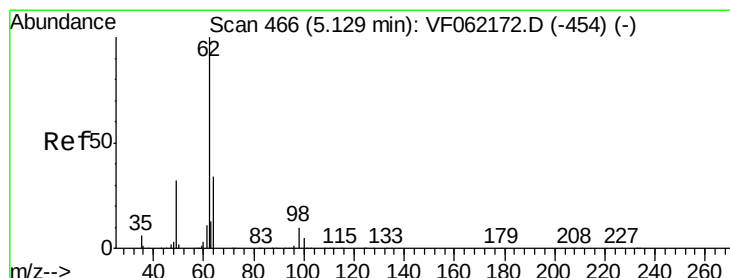
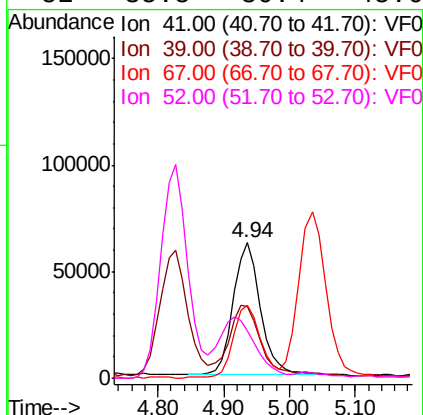
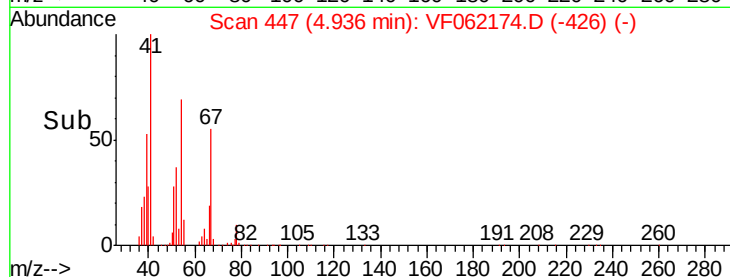
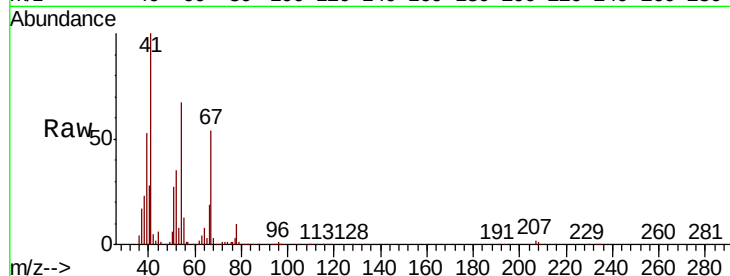
Ion Ratio Lower Upper

41 100

39 53.3 43.5 65.3

67 53.8 42.9 64.3

52 35.5 30.4 45.6



#42

1,2-Dichloroethane

Concen: 86.043 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062174.D

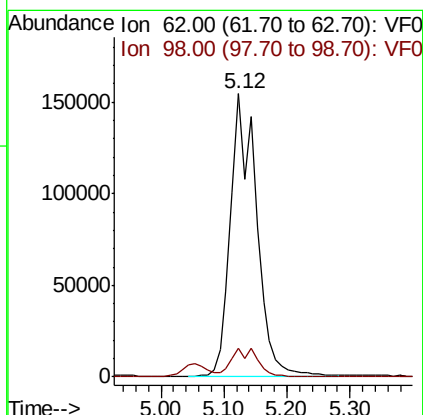
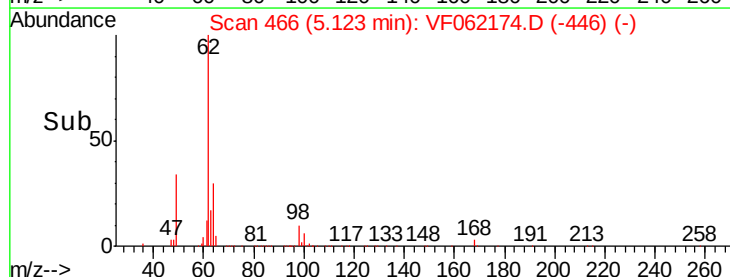
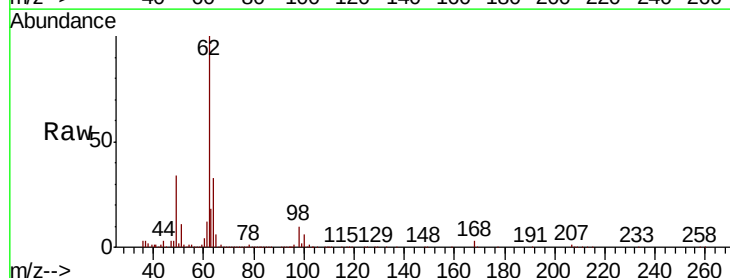
Acq: 16 Apr 2019 13:14

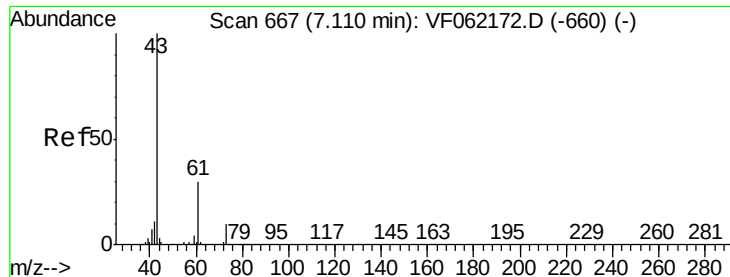
Tgt Ion: 62 Resp: 442003

Ion Ratio Lower Upper

62 100

98 10.2 0.0 22.0





#43

Isopropyl Acetate

Concen: 90.943 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

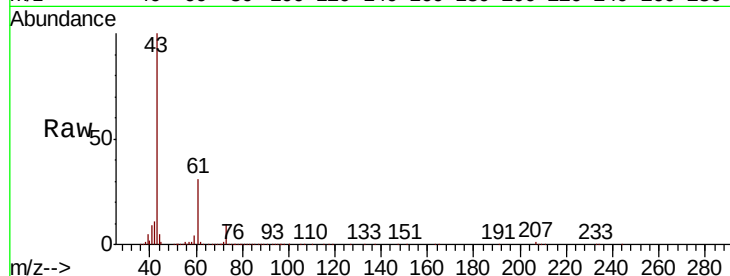
Tot Ion: 43 Resp: 374197

Ion Ratio Lower Upper

43 100

61 31.1 23.7 35.5

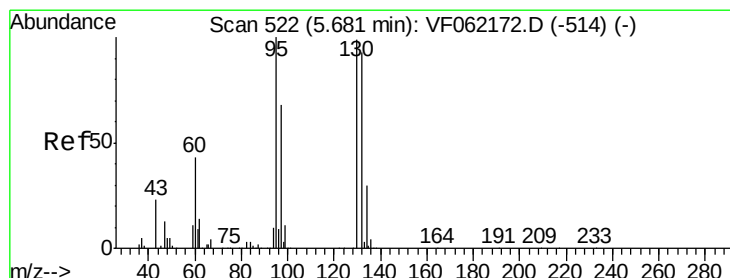
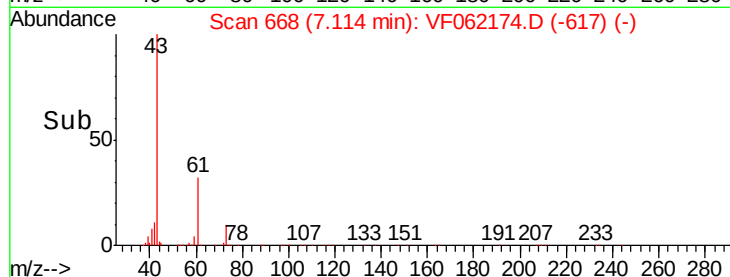
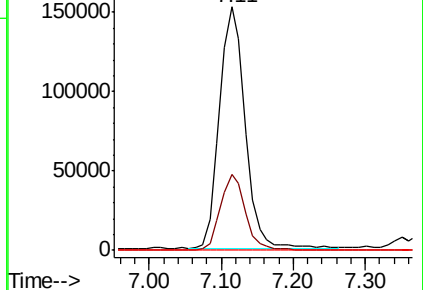
87 0.3 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 87.243 ug/l

RT: 5.68 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062174.D

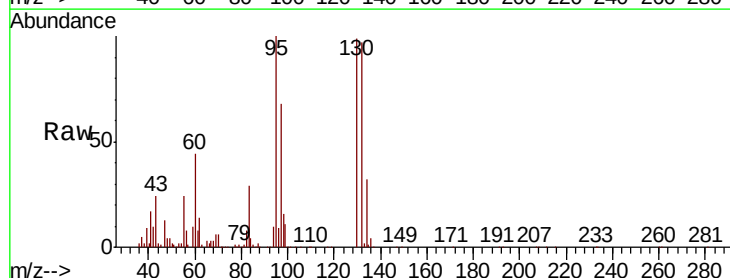
Acq: 16 Apr 2019 13:14

Tgt Ion: 130 Resp: 473947

Ion Ratio Lower Upper

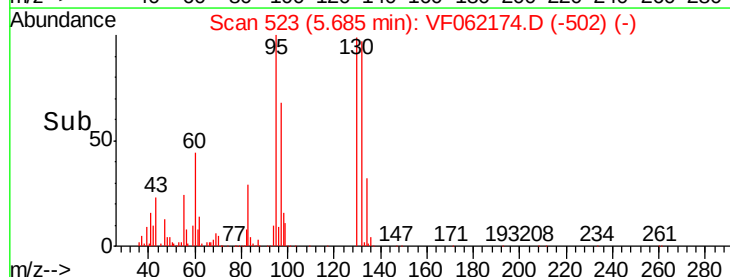
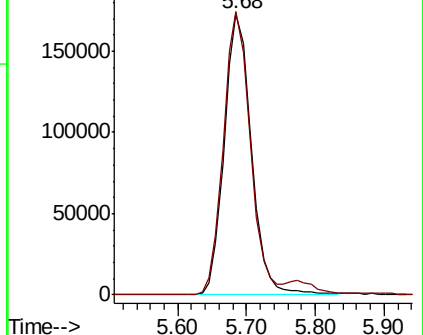
130 100

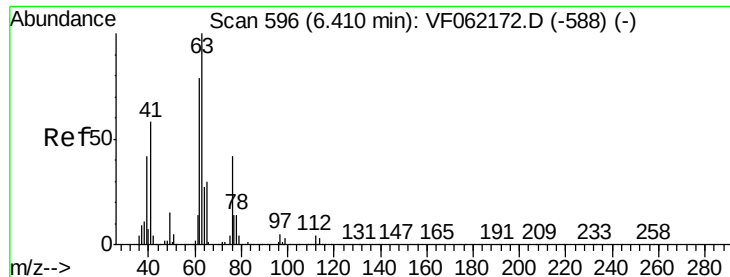
95 100.7 0.0 202.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

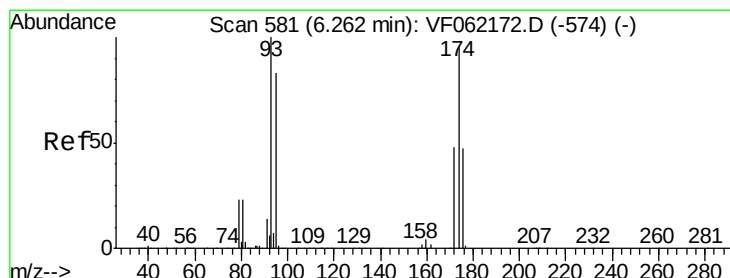
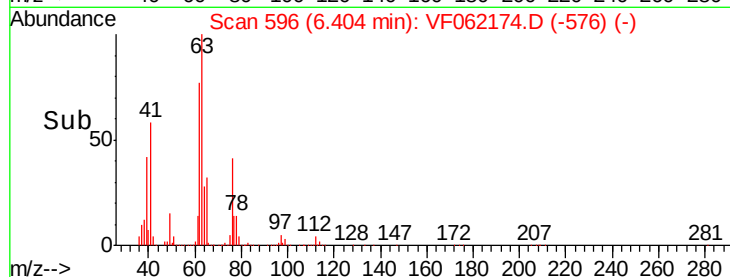
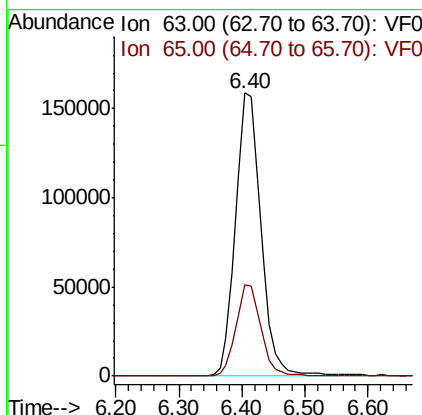
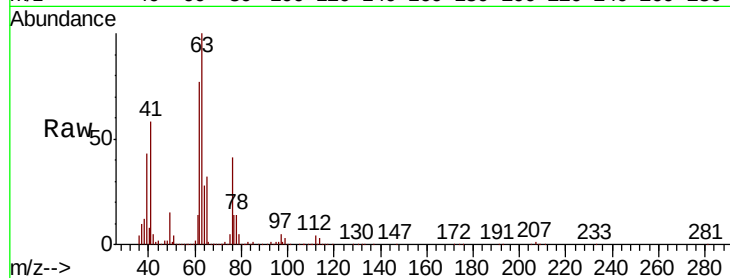




#45
 1,2-Dichloropropane
 Concen: 88.918 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

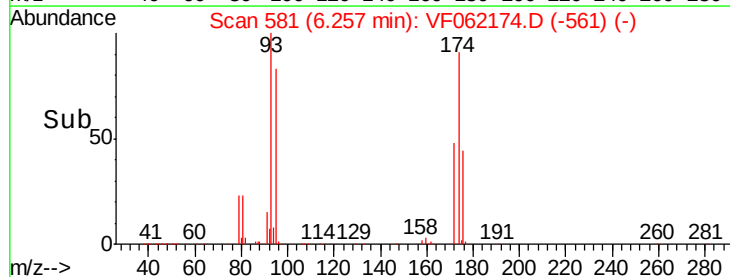
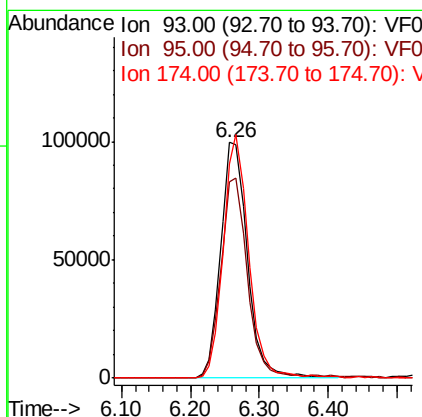
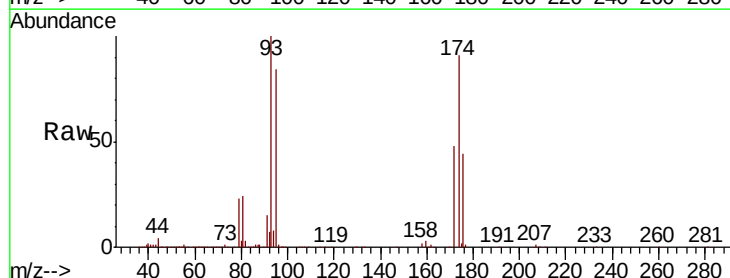
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

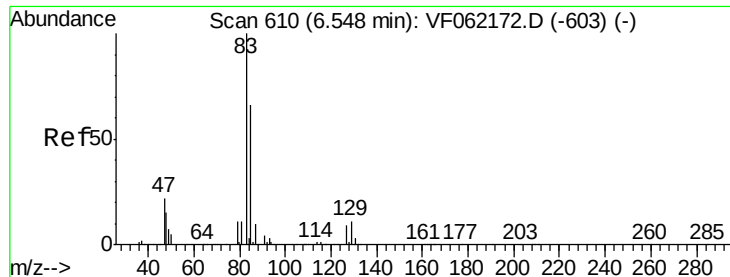
Tot Ion: 63 Resp: 442737
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.7 35.5



#46
 Dibromomethane
 Concen: 89.449 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion: 93 Resp: 268572
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.6
 174 91.0 76.3 114.5





#47

Bromodichloromethane

Concen: 88.026 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

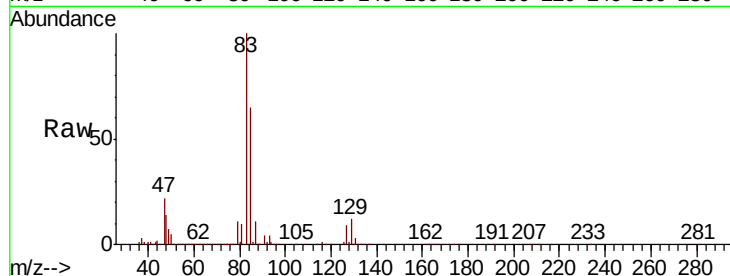
Tot Ion: 83 Resp: 598770

Ion Ratio Lower Upper

83 100

85 64.6 52.6 79.0

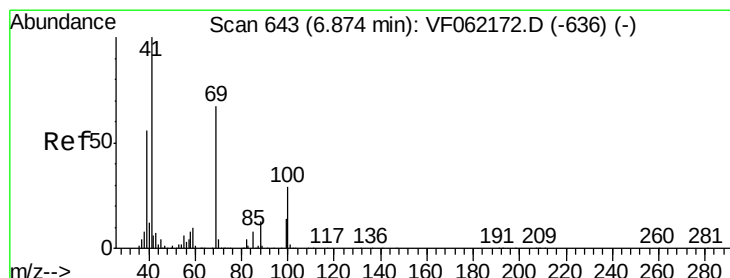
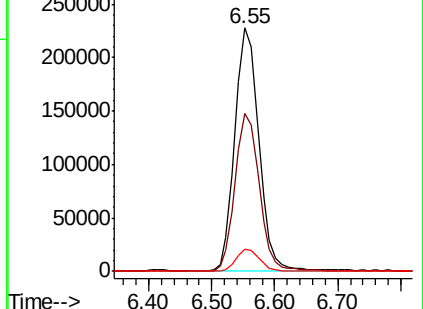
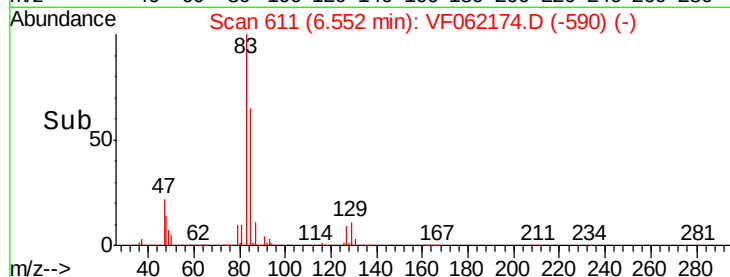
127 8.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 87.425 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

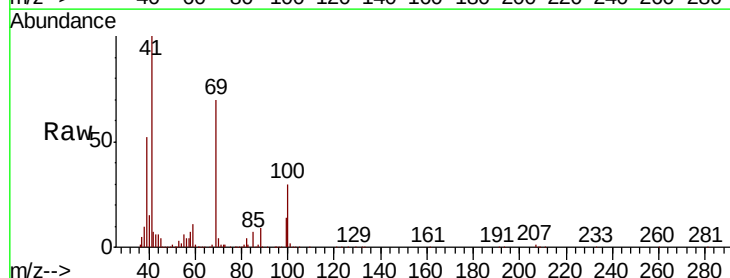
Tgt Ion: 41 Resp: 234149

Ion Ratio Lower Upper

41 100

69 70.4 52.8 79.2

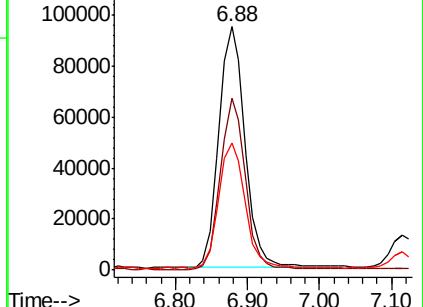
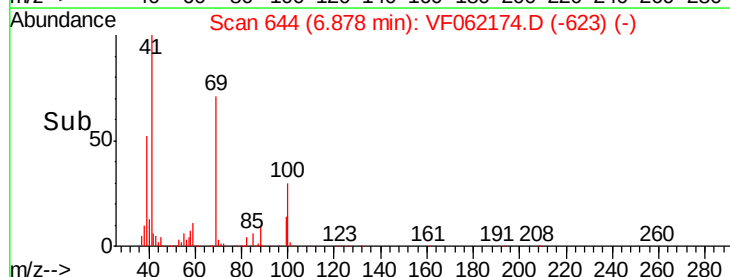
39 52.3 45.0 67.4

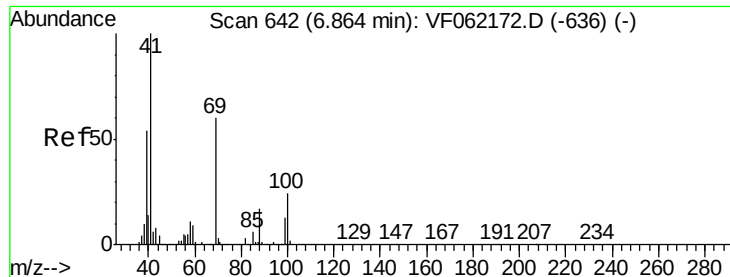


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

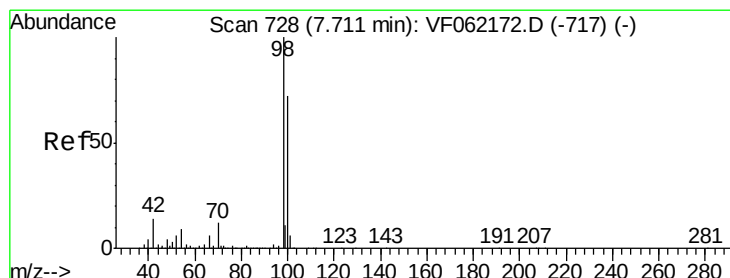
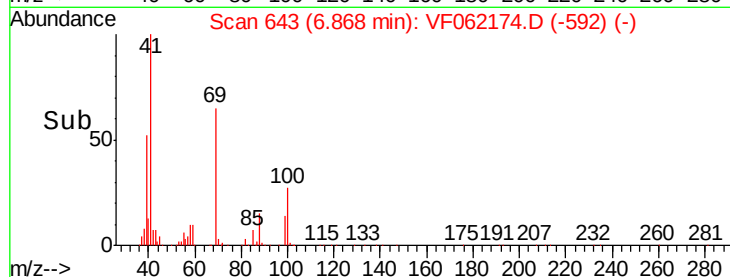
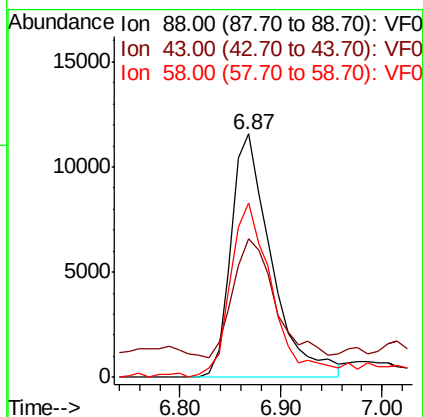
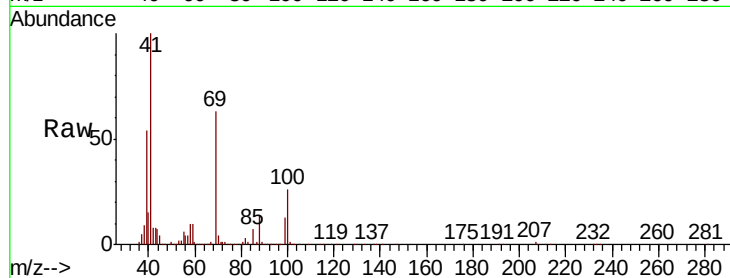




#49
1,4-Dioxane
Concen: 1543.887 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

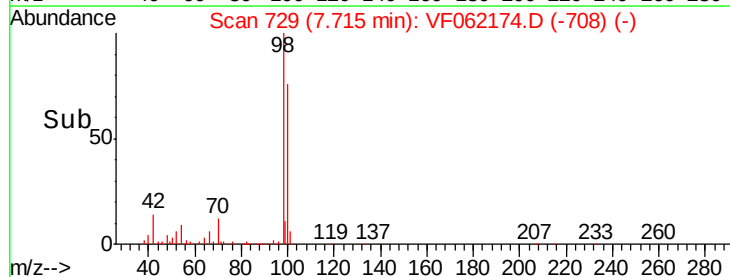
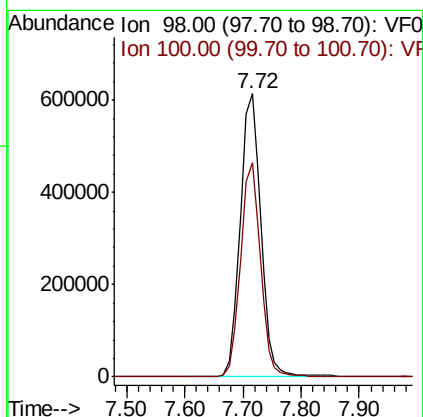
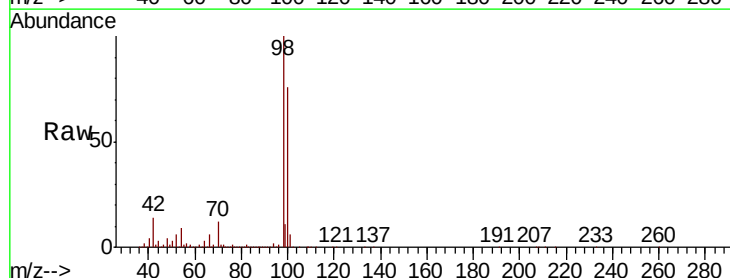
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

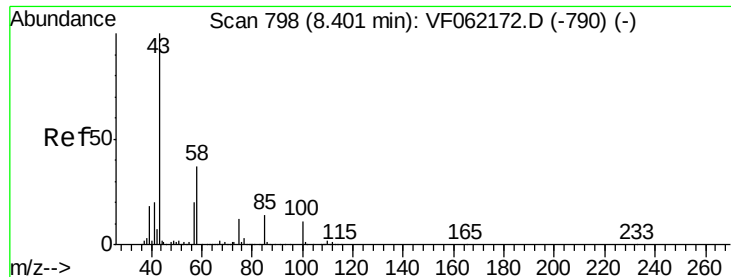
Tot Ion: 88 Resp: 32222
Ion Ratio Lower Upper
88 100
43 57.2 49.5 74.3
58 71.6 52.6 79.0



#50
Toluene-d8
Concen: 95.875 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 98 Resp: 1528397
Ion Ratio Lower Upper
98 100
100 75.8 57.4 86.0





#51

4-Methyl-2-Pentanone

Concen: 422.802 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

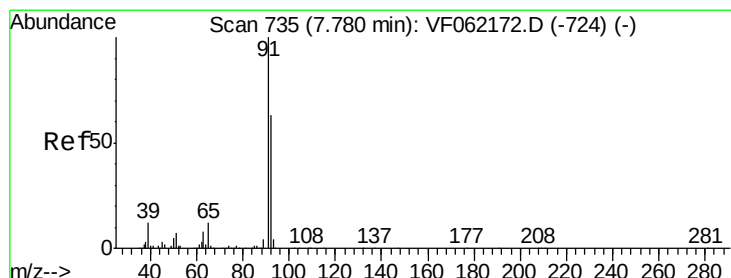
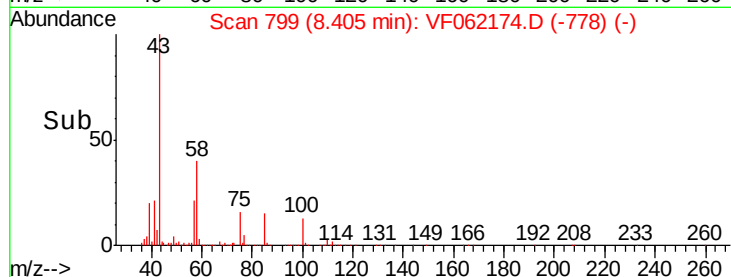
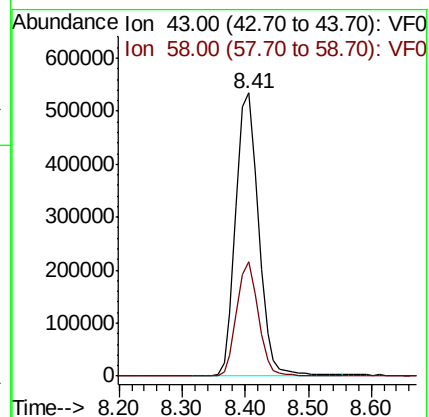
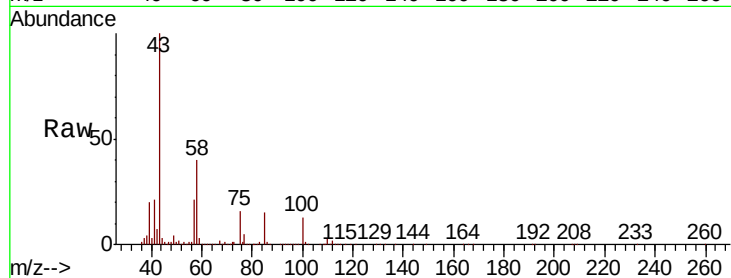
VSTDIC100

Tot Ion: 43 Resp: 1332734

Ion Ratio Lower Upper

43 100

58 40.3 29.7 44.5



#52

Toluene

Concen: 88.326 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062174.D

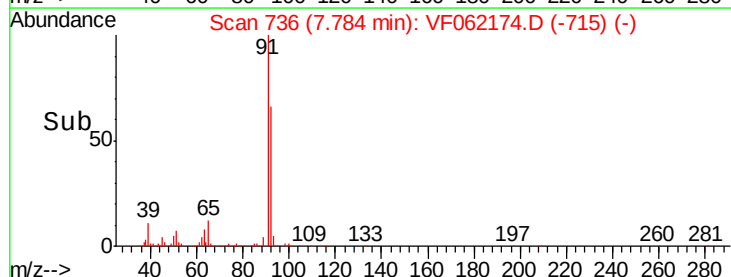
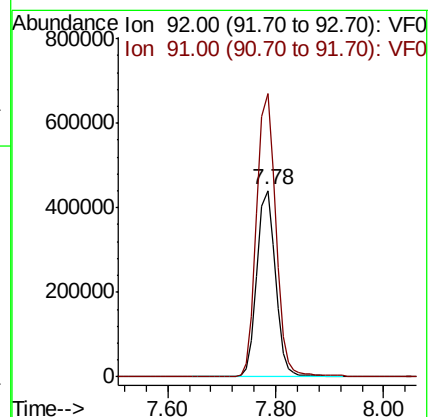
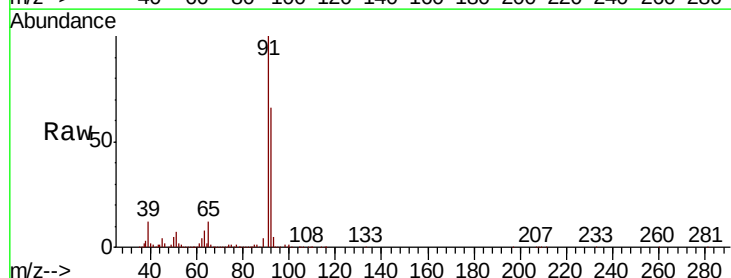
Acq: 16 Apr 2019 13:14

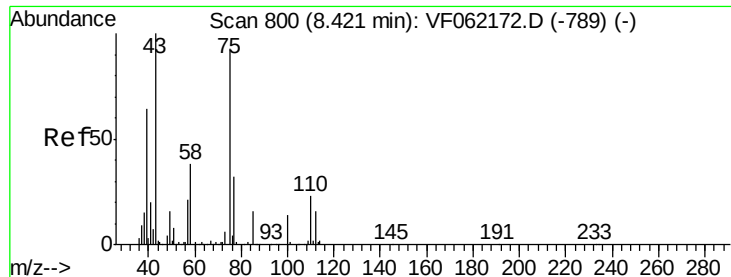
Tgt Ion: 92 Resp: 1053140

Ion Ratio Lower Upper

92 100

91 151.9 126.9 190.3





#53

t-1,3-Dichloropropene

Concen: 90.626 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

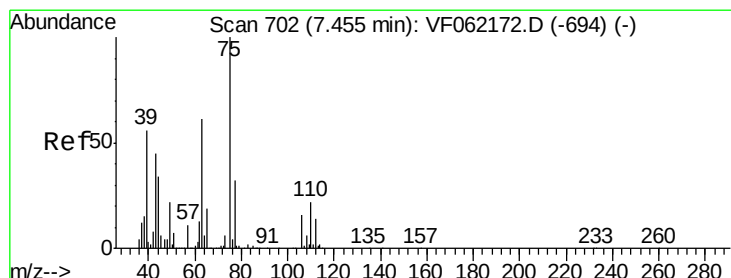
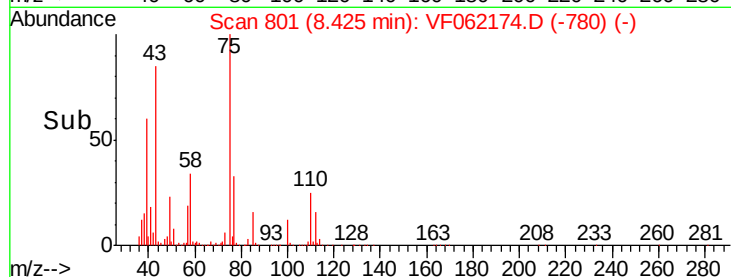
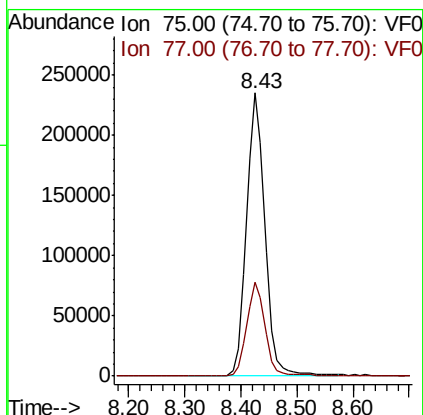
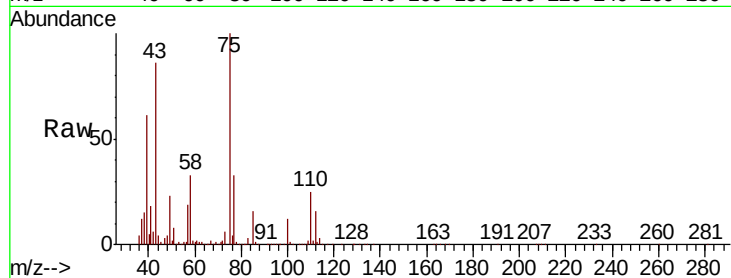
VSTDIC100

Tot Ion: 75 Resp: 533962

Ion Ratio Lower Upper

75 100

77 33.1 27.8 41.6



#54

cis-1,3-Dichloropropene

Concen: 86.557 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

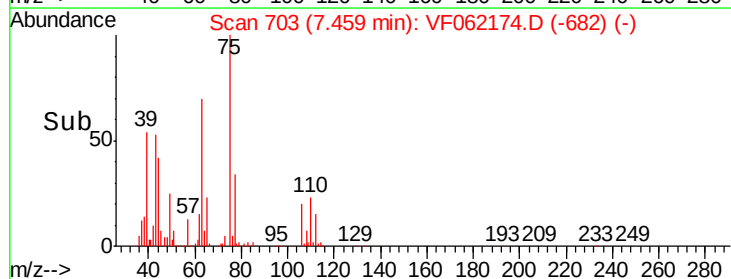
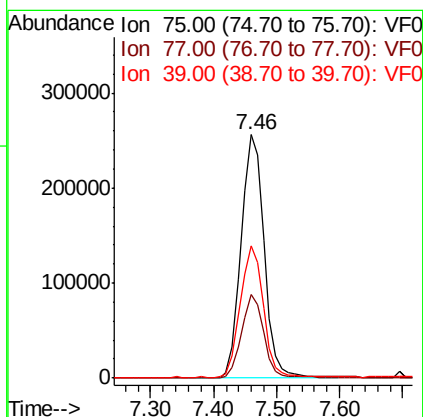
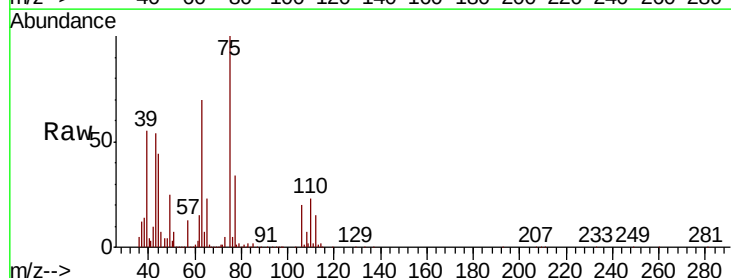
Tgt Ion: 75 Resp: 648494

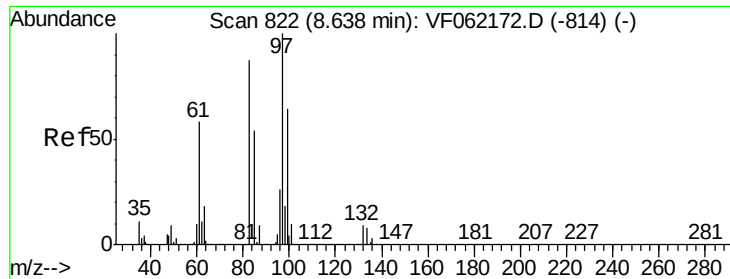
Ion Ratio Lower Upper

75 100

77 34.2 26.0 39.0

39 54.5 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 91.031 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 310865

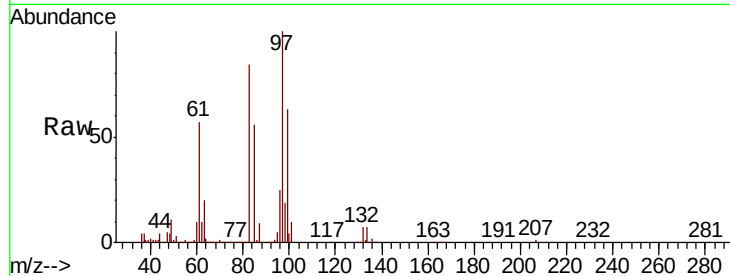
Ion Ratio Lower Upper

97 100

83 83.6 69.6 104.4

85 56.4 43.5 65.3

99 63.3 51.5 77.3

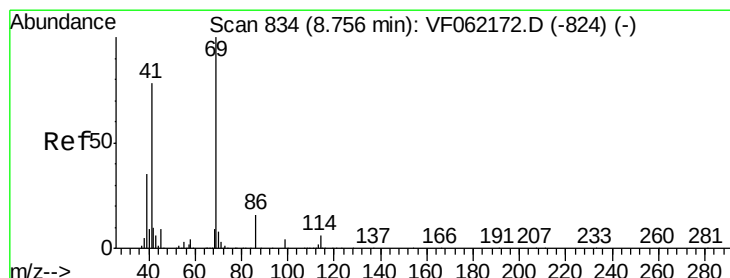
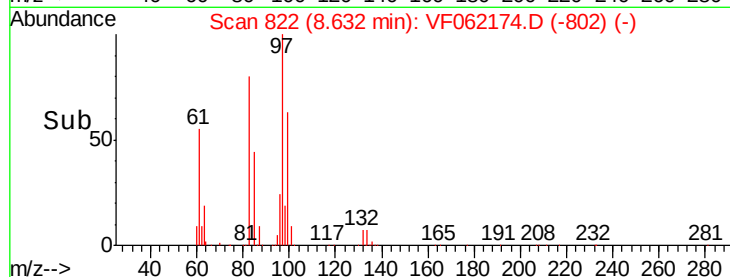
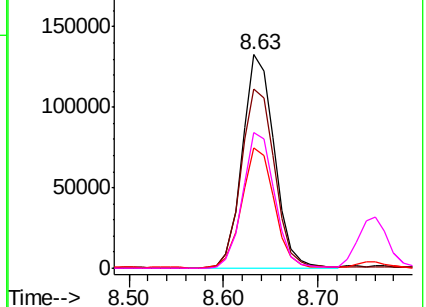


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 88.760 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

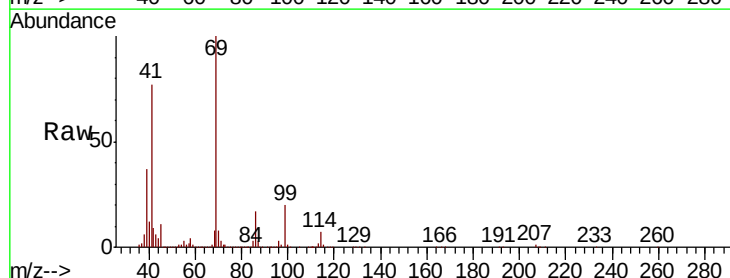
Tgt Ion: 69 Resp: 360426

Ion Ratio Lower Upper

69 100

41 76.7 63.4 95.0

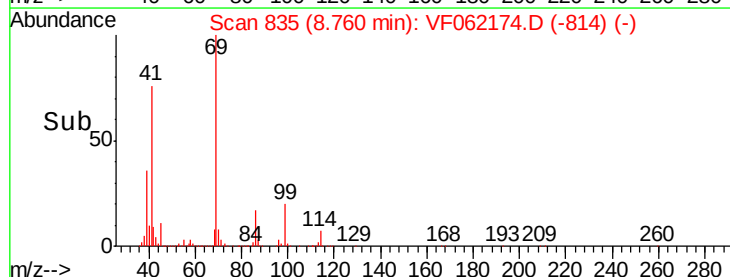
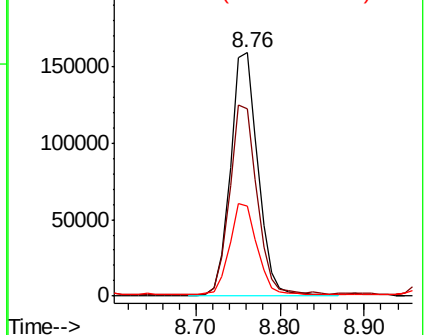
39 36.8 29.0 43.6

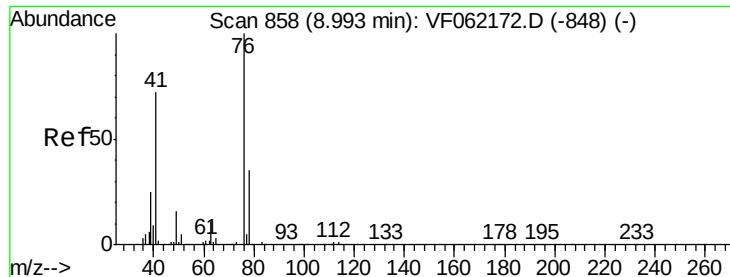


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 87.907 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

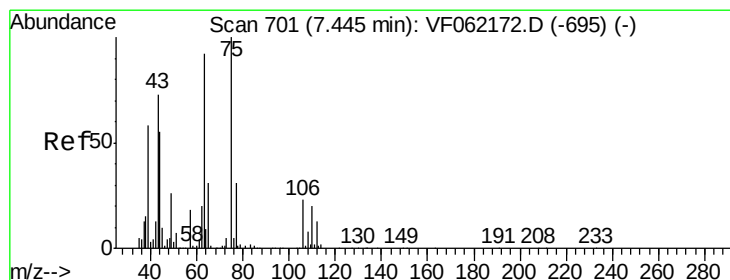
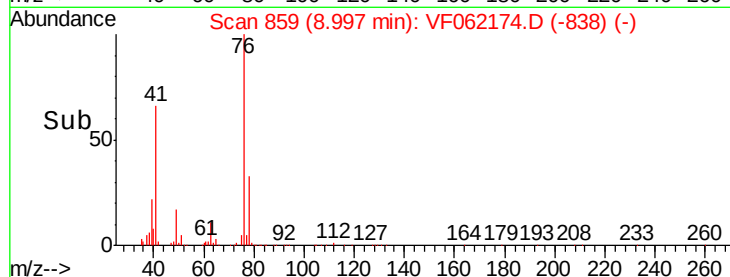
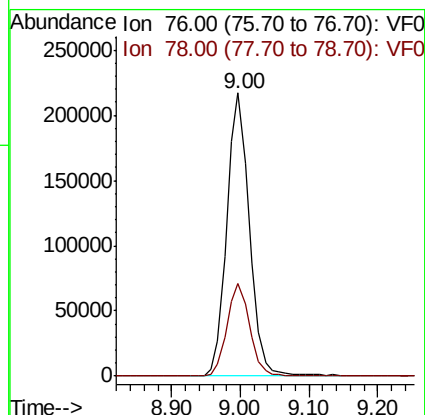
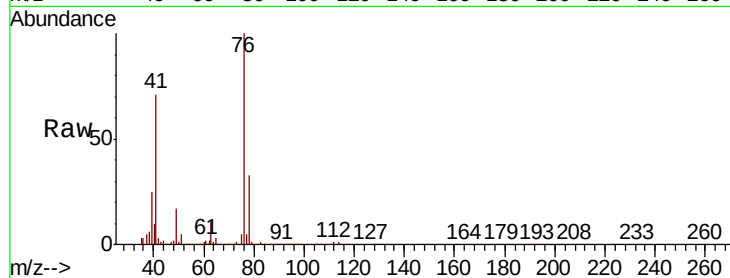
VSTDIC100

Tot Ion: 76 Resp: 493526

Ion Ratio Lower Upper

76 100

78 32.9 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 471.618 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062174.D

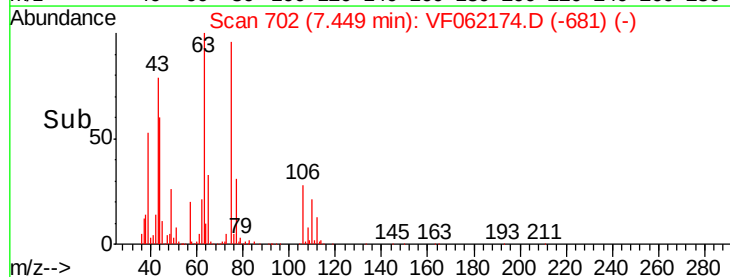
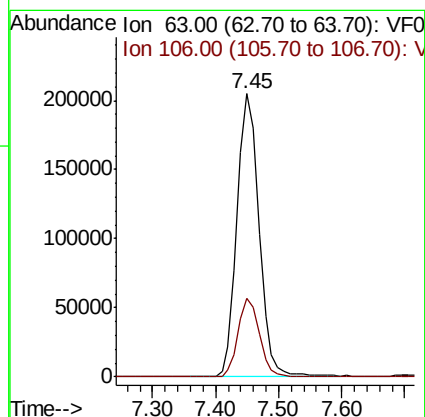
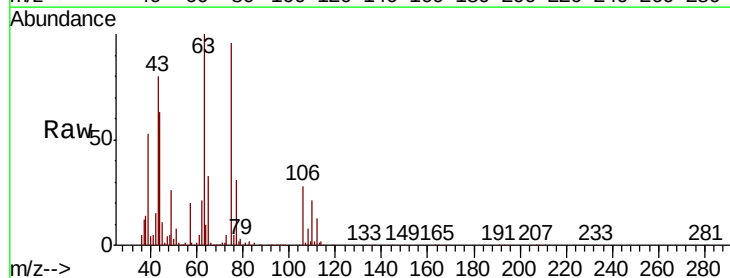
Acq: 16 Apr 2019 13:14

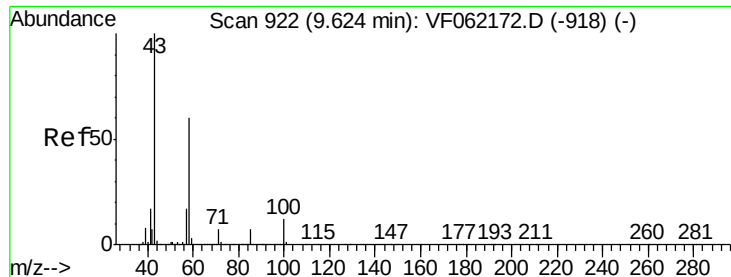
Tgt Ion: 63 Resp: 493426

Ion Ratio Lower Upper

63 100

106 27.7 20.2 30.4

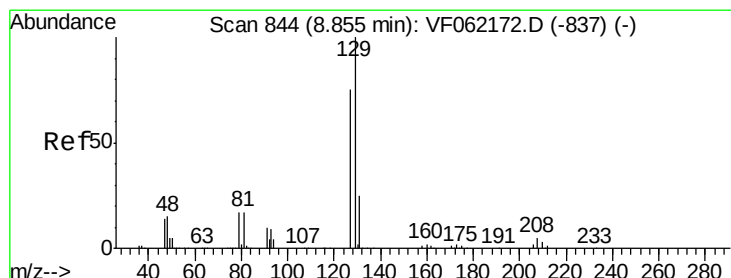
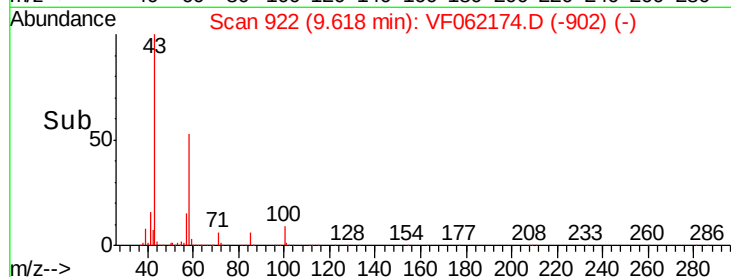
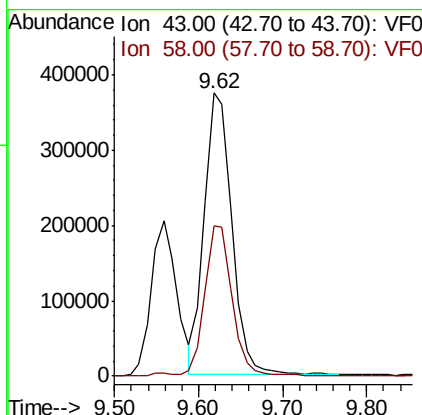
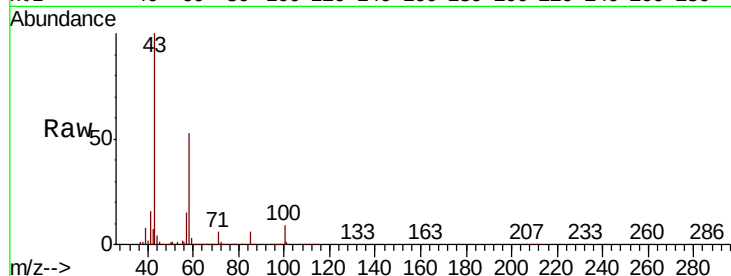




#59
2-Hexanone
Concen: 423.974 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

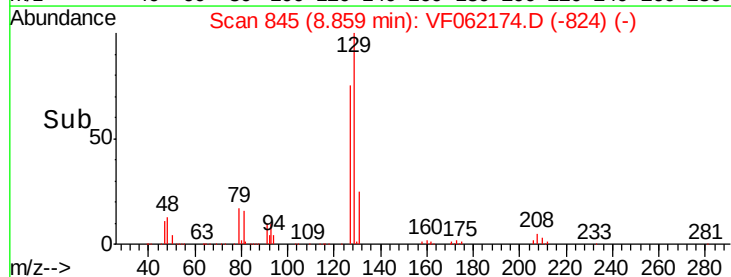
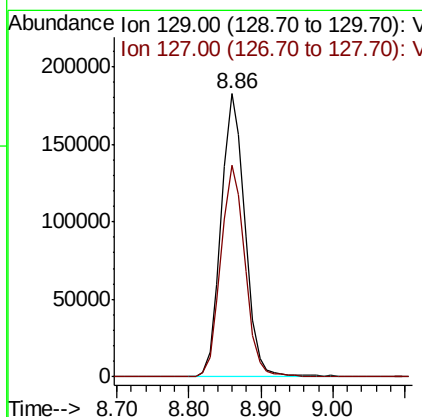
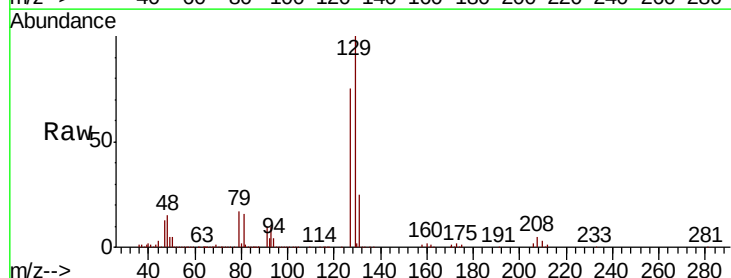
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

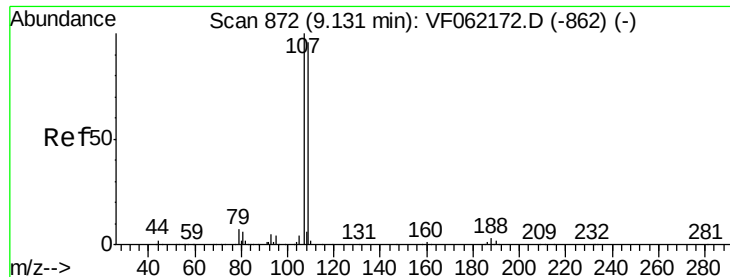
Tot Ion: 43 Resp: 850533
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.4



#60
Dibromochloromethane
Concen: 89.168 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 129 Resp: 418963
Ion Ratio Lower Upper
129 100
127 74.7 37.7 113.1





#61

1,2-Dibromoethane

Concen: 91.554 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

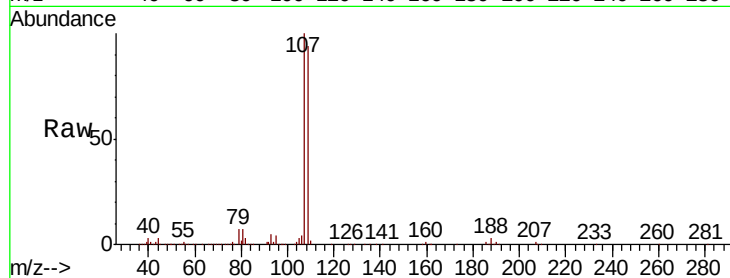
VSTDIC100

Tot Ion:107 Resp: 334496

Ion Ratio Lower Upper

107 100

109 94.1 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

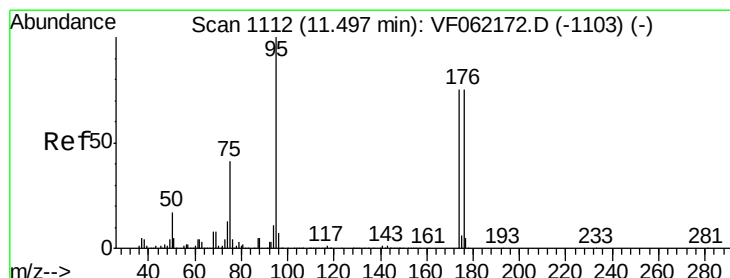
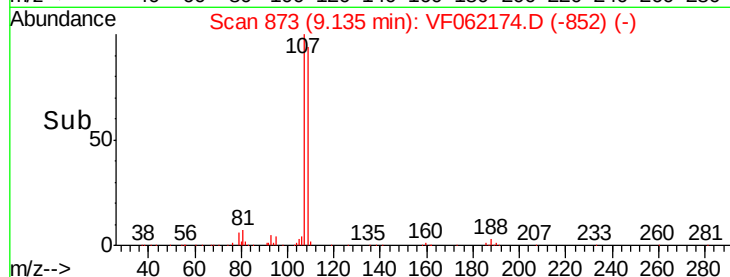
50000

0

9.13

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 96.522 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

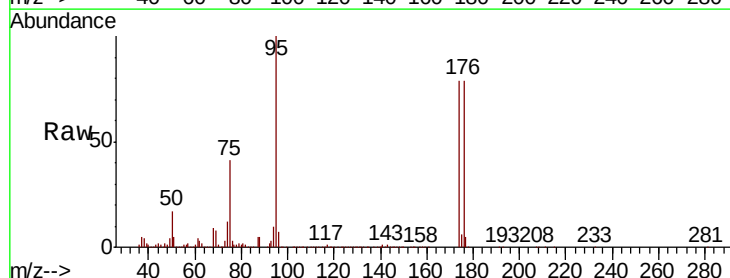
Tgt Ion: 95 Resp: 607640

Ion Ratio Lower Upper

95 100

174 78.6 0.0 150.2

176 79.5 0.0 149.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

400000

300000

200000

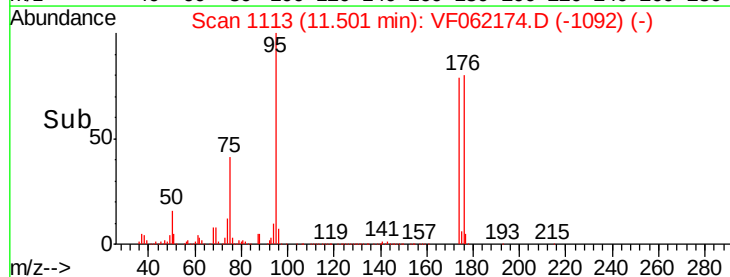
100000

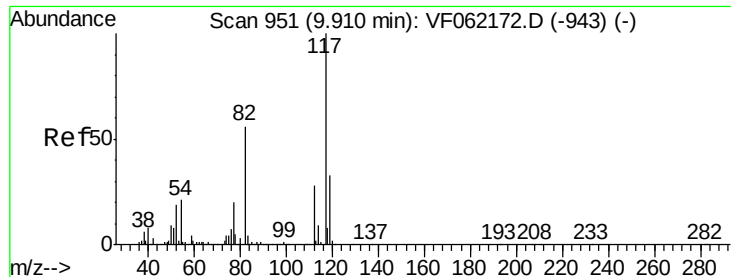
0

11.50

11.40 11.60

Time-->

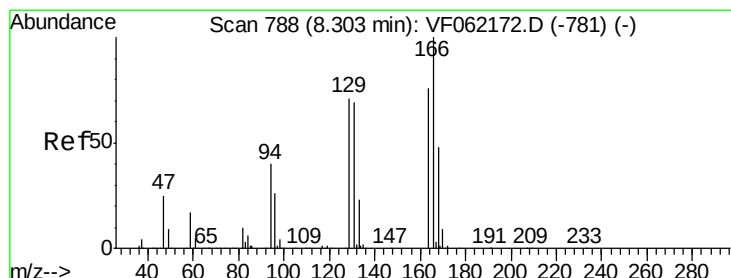
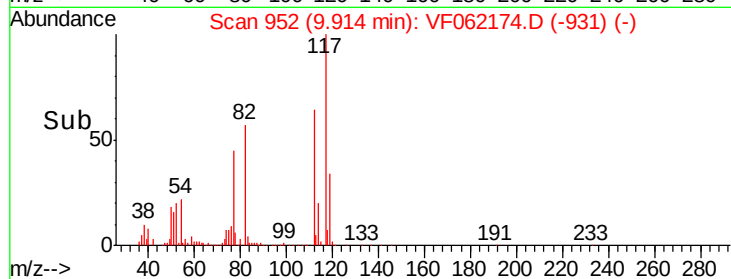
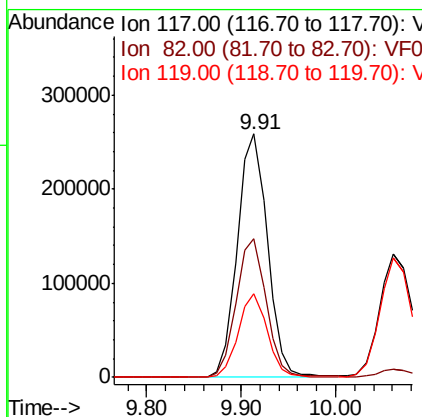
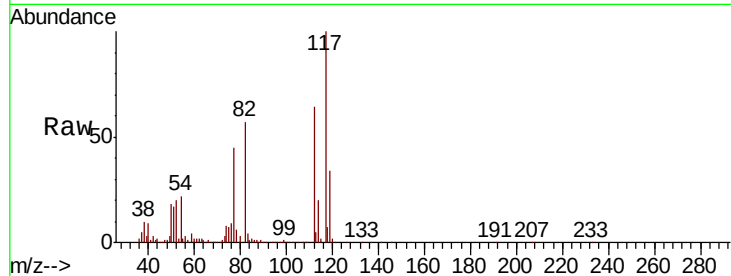




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

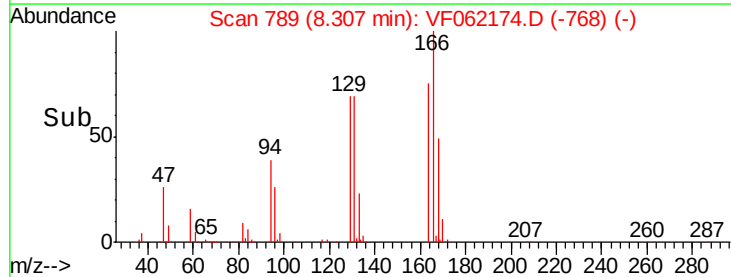
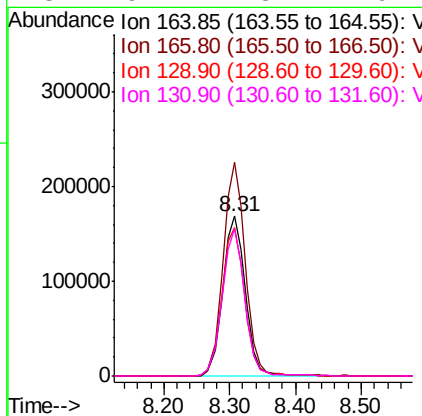
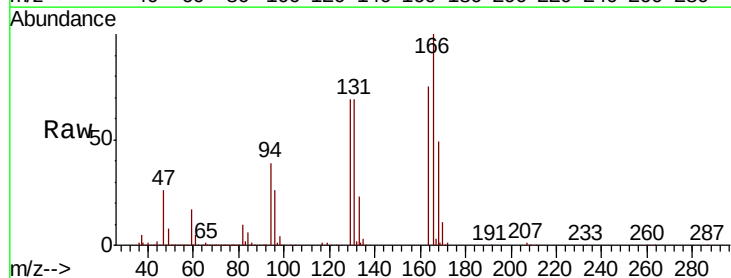
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

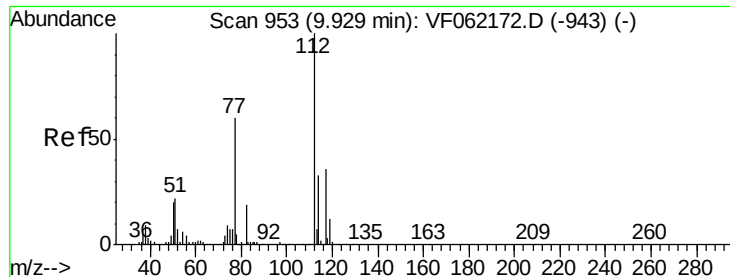
Tot Ion:117 Resp: 575270
Ion Ratio Lower Upper
117 100
82 57.0 45.2 67.8
119 34.4 26.6 39.8



#64
Tetrachloroethene
Concen: 86.026 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:164 Resp: 404194
Ion Ratio Lower Upper
164 100
166 133.9 105.9 158.9
129 92.7 75.3 112.9
131 92.2 73.4 110.2

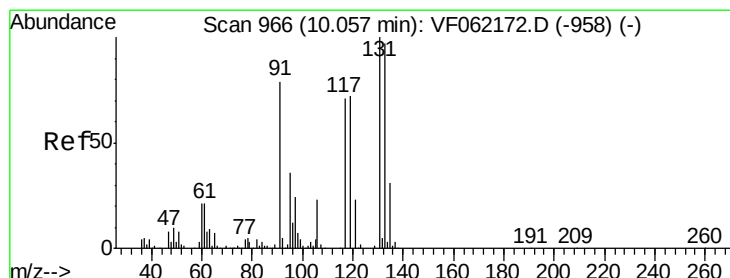
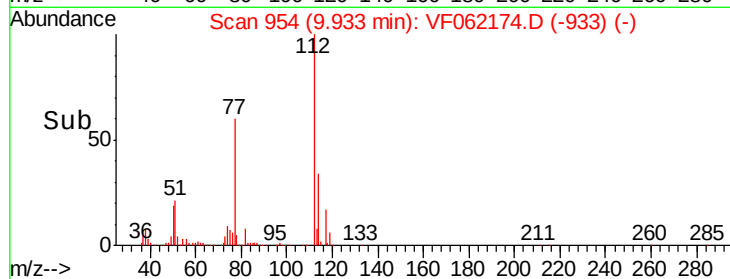
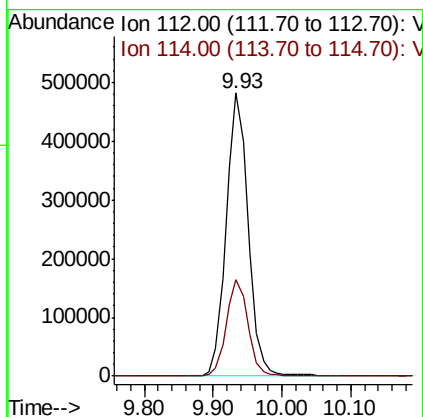
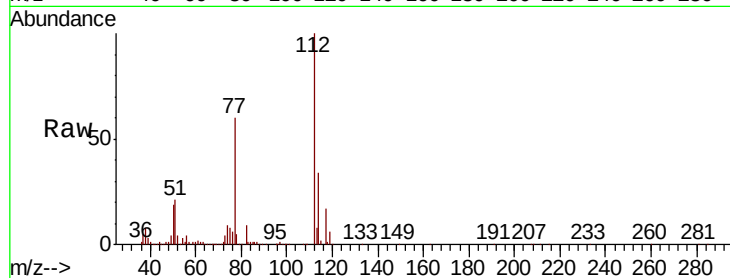




#65
Chlorobenzene
Concen: 88.995 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

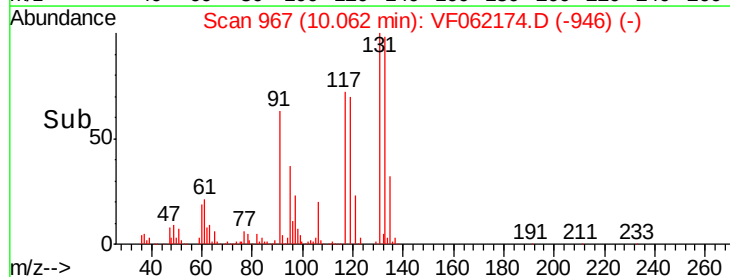
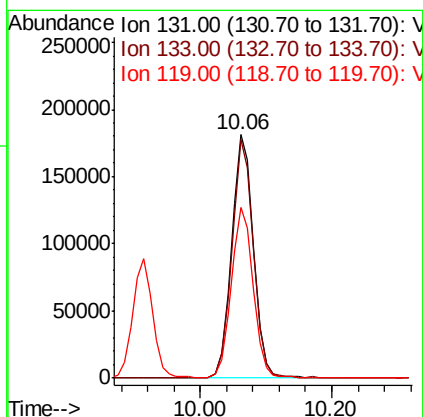
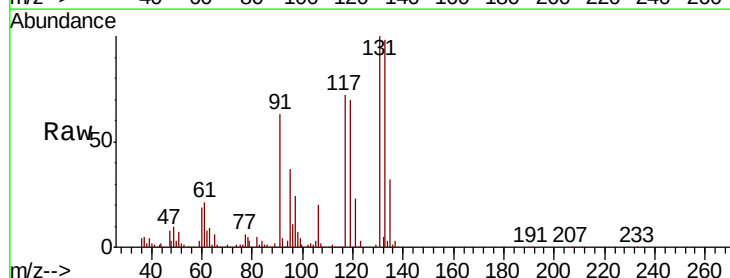
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

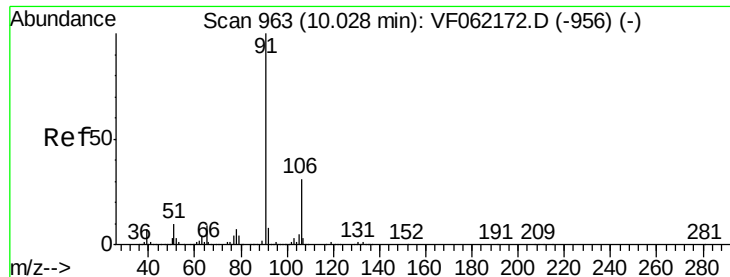
Tot Ion:112 Resp: 1065014
Ion Ratio Lower Upper
112 100
114 34.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 85.370 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:131 Resp: 421775
Ion Ratio Lower Upper
131 100
133 97.7 48.4 145.2
119 70.2 36.3 108.9





#67

Ethyl Benzene

Concen: 83.781 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

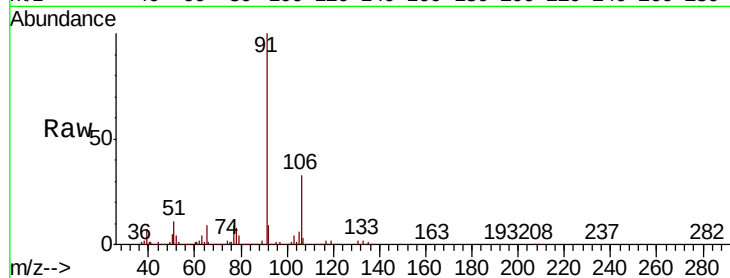
VSTDIC100

Tot Ion: 91 Resp: 1858535

Ion Ratio Lower Upper

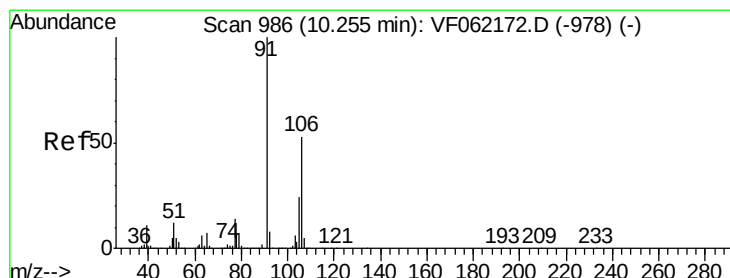
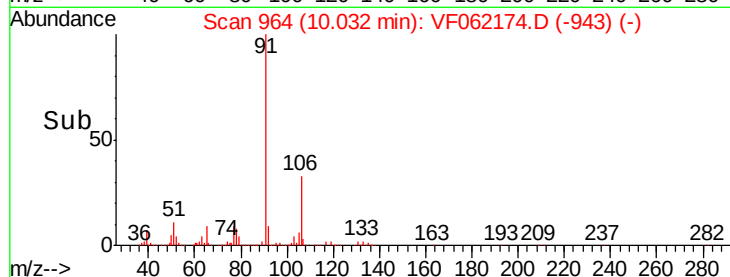
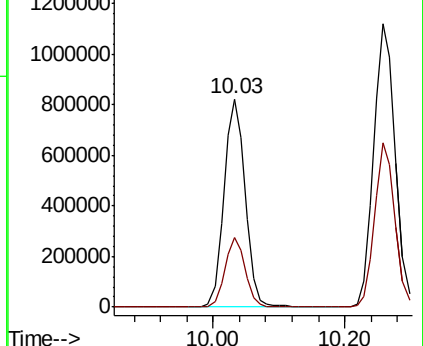
91 100

106 33.3 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 171.404 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062174.D

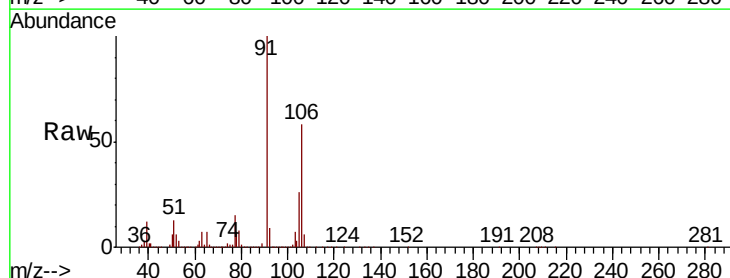
Acq: 16 Apr 2019 13:14

Tgt Ion: 106 Resp: 1399968

Ion Ratio Lower Upper

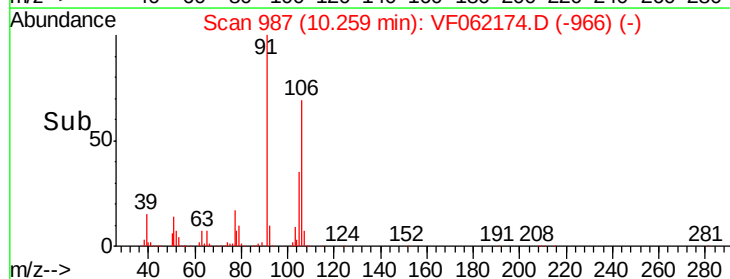
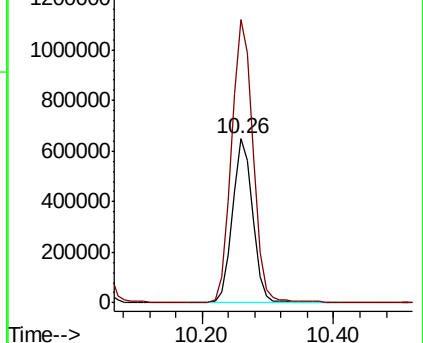
106 100

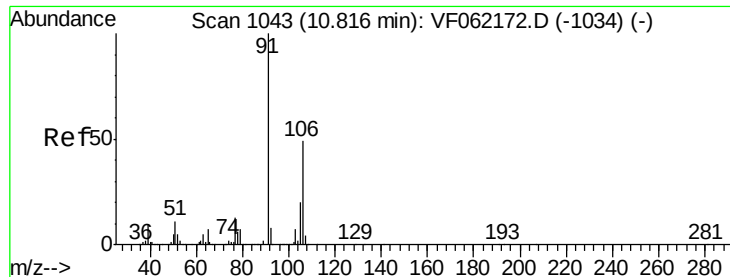
91 172.7 151.7 227.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

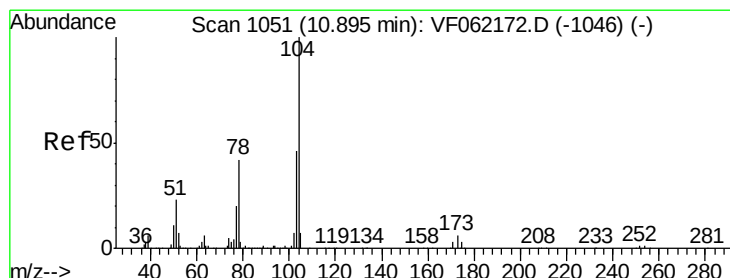
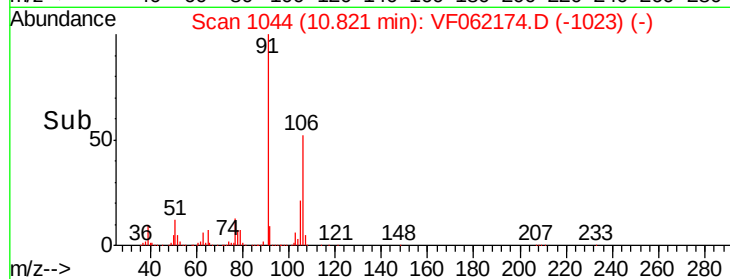
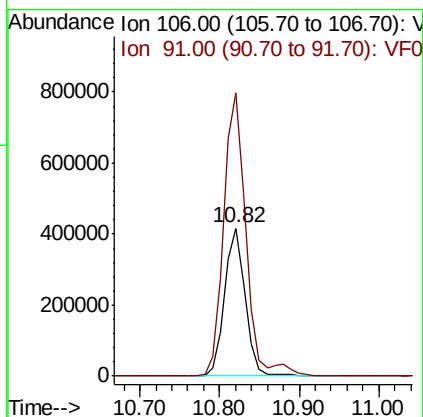
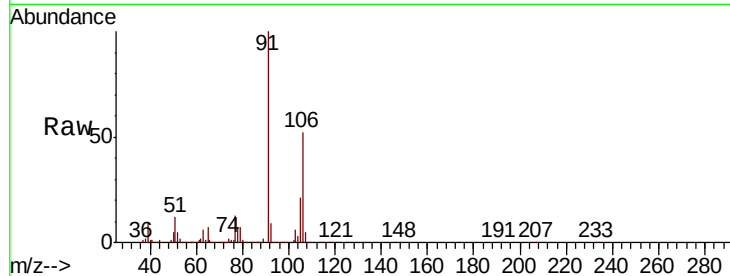




#69
o-Xylene
Concen: 86.302 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

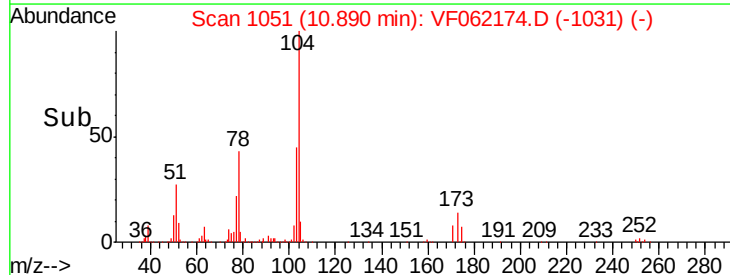
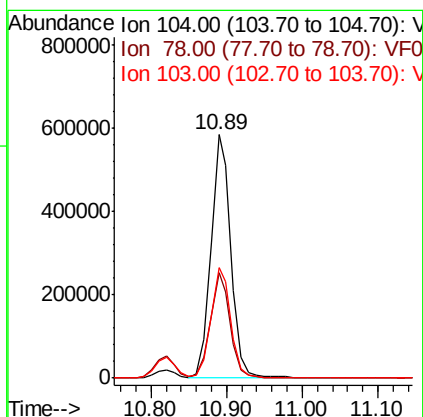
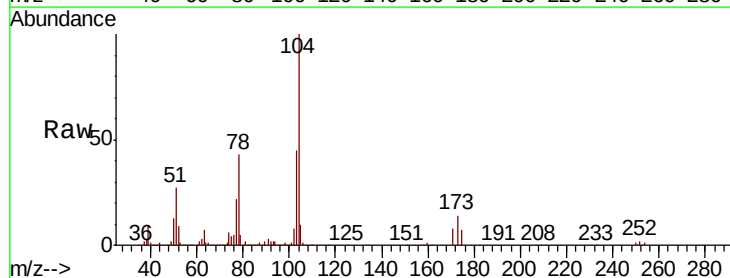
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

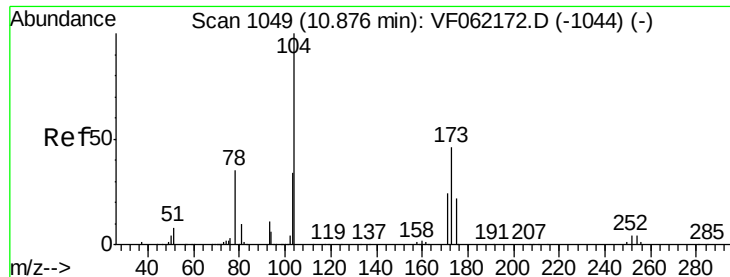
Tot Ion:106 Resp: 763016
Ion Ratio Lower Upper
106 100
91 191.1 101.9 305.7



#70
Styrene
Concen: 83.776 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:104 Resp: 1076705
Ion Ratio Lower Upper
104 100
78 43.5 33.7 50.5
103 45.4 37.2 55.8

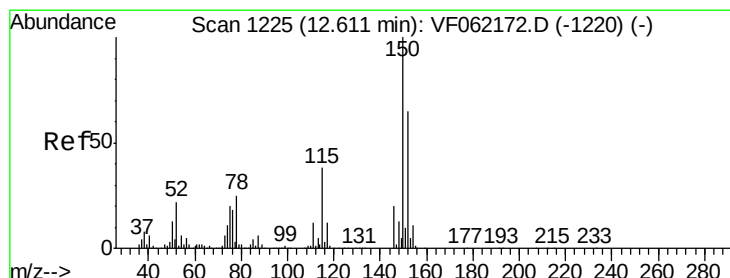
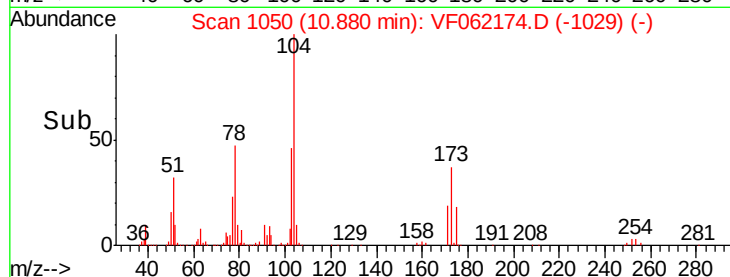
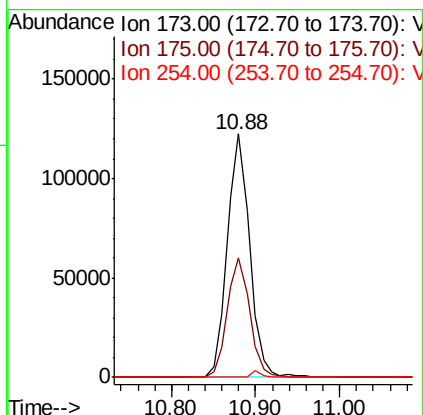
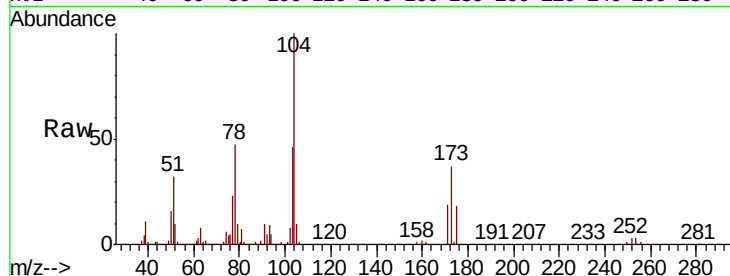




#71
Bromoform
Concen: 87.377 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

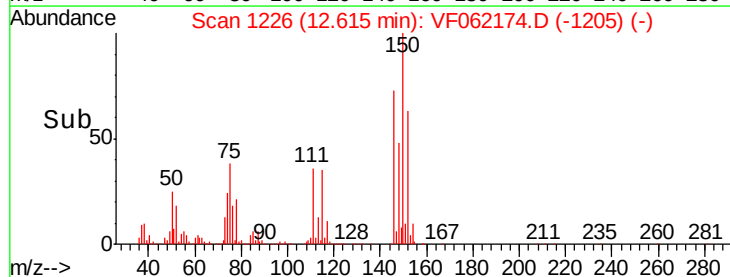
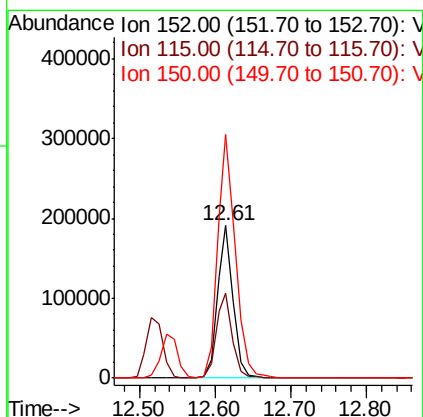
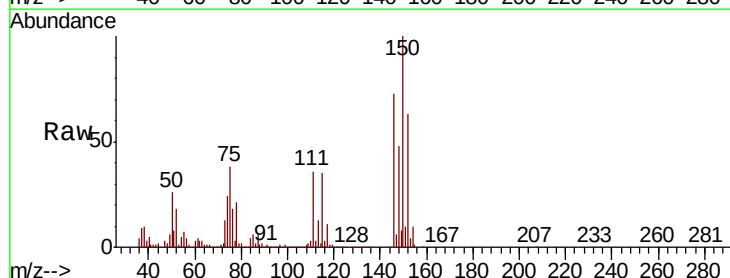
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

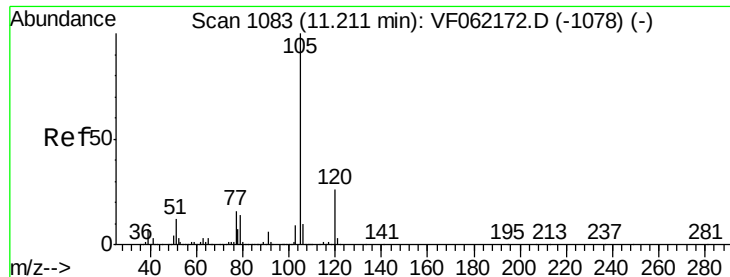
Tot Ion:173 Resp: 226070
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 6.6 9.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:152 Resp: 275571
Ion Ratio Lower Upper
152 100
115 55.7 29.0 87.1
150 159.9 0.0 309.2





#73

Isopropylbenzene

Concen: 82.418 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

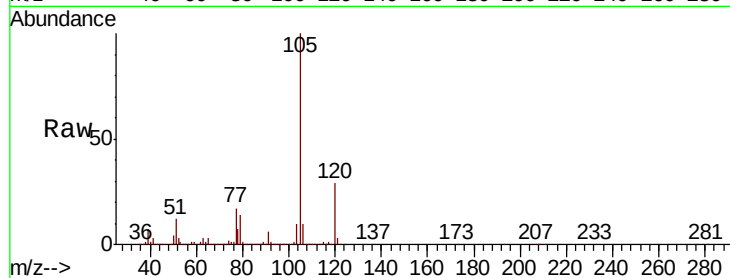
VSTDIC100

Tot Ion:105 Resp: 1956645

Ion Ratio Lower Upper

105 100

120 28.5 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

200000

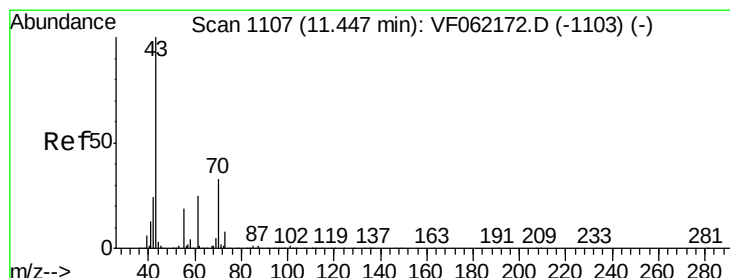
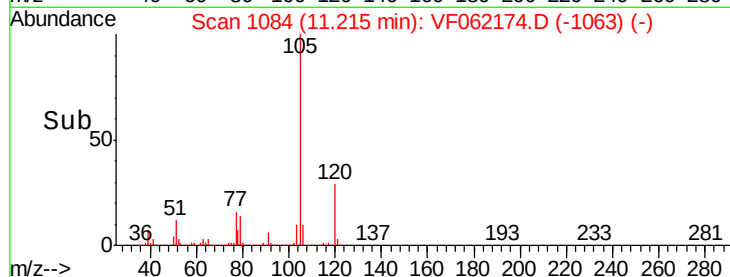
0

11.21

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 82.336 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion: 43 Resp: 509493

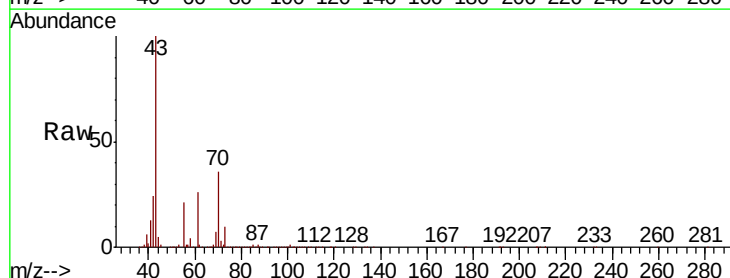
Ion Ratio Lower Upper

43 100

70 35.8 26.6 39.8

55 20.6 15.0 22.6

61 26.2 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

500000

400000

300000

200000

100000

0

11.45

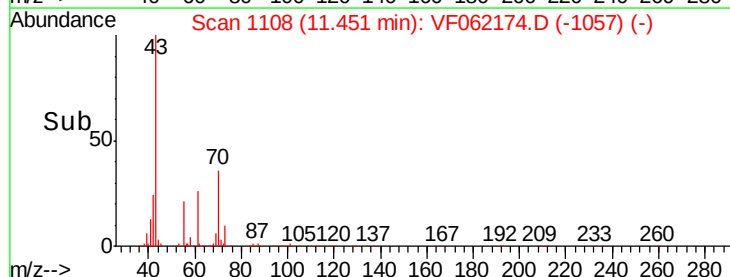
11.30

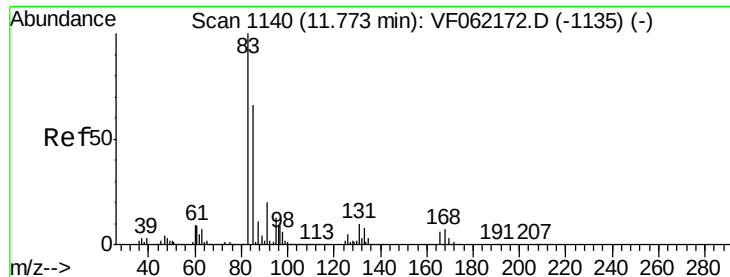
11.40

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 88.323 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

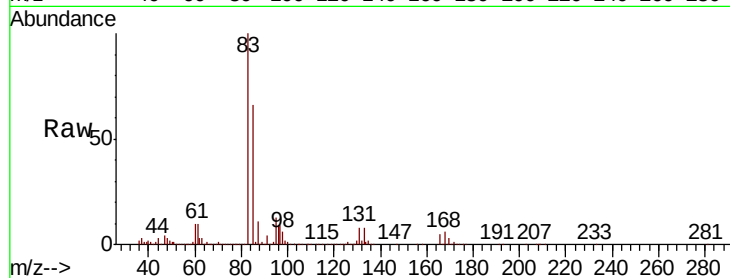
Tot Ion: 83 Resp: 373525

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.8	14.4
85	65.8	33.2	99.6

83 100

131 8.4 4.8 14.4

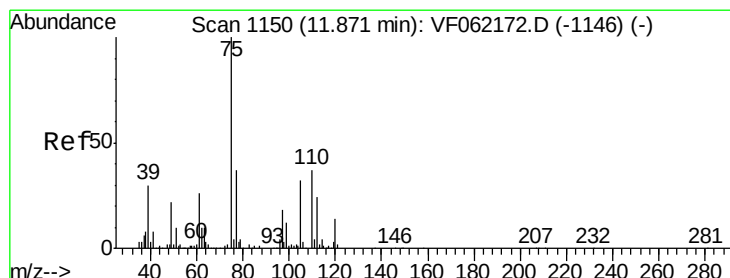
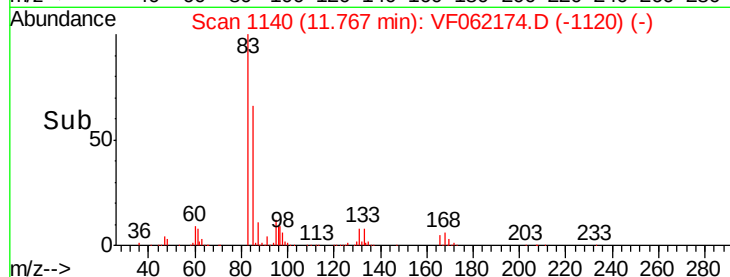
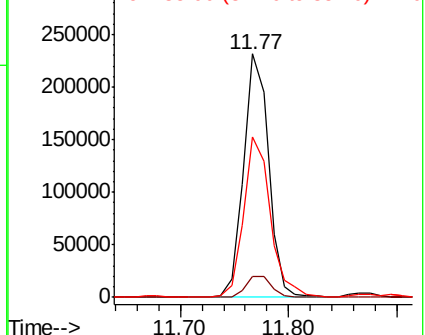
85 65.8 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 88.876 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062174.D

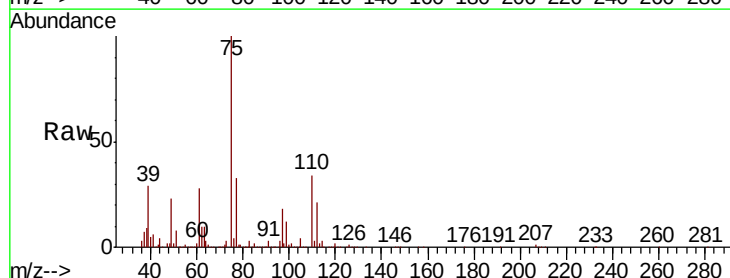
Acq: 16 Apr 2019 13:14

Tgt Ion: 75 Resp: 254679

Ion	Ratio	Lower	Upper
75	100		
77	33.5	18.7	56.1

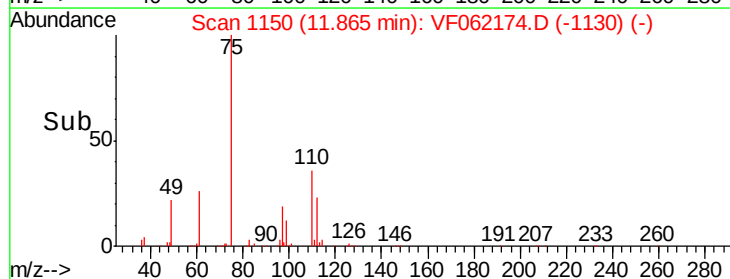
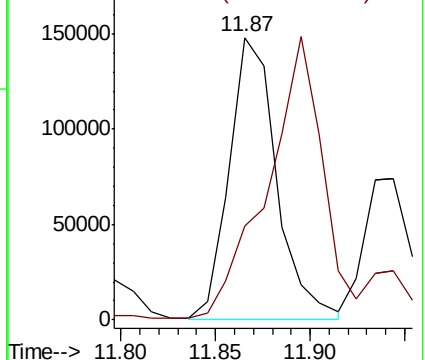
75 100

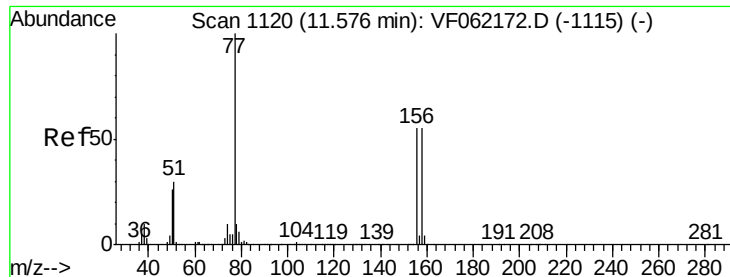
77 33.5 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 89.841 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

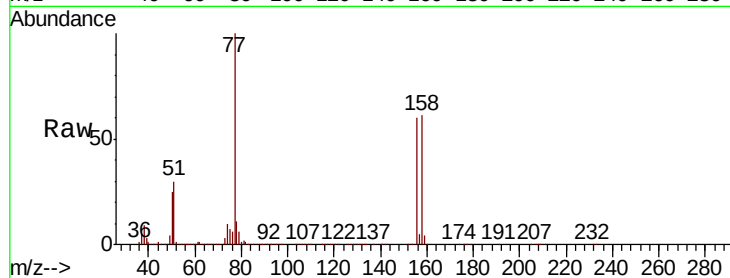
Tot Ion:156 Resp: 443571

Ion Ratio Lower Upper

156 100

77 167.8 91.1 273.4

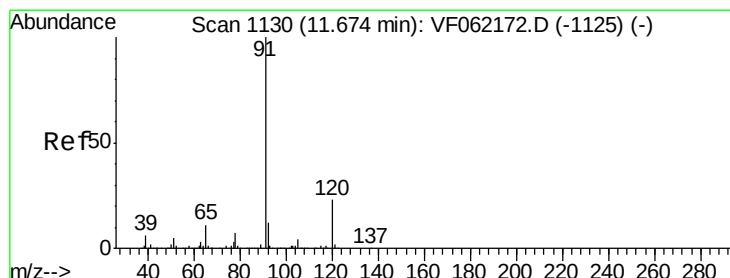
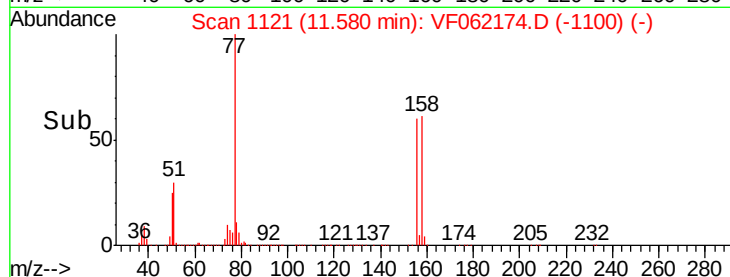
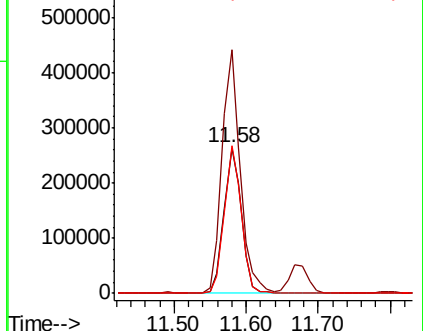
158 102.1 50.1 150.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 81.161 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062174.D

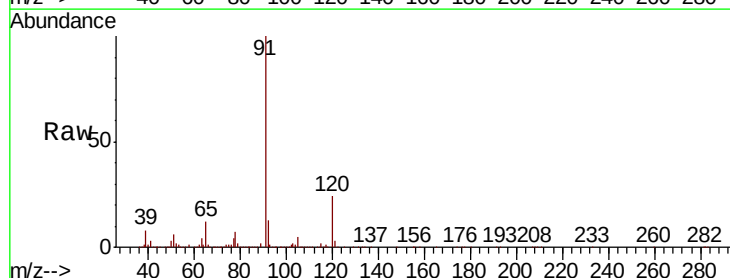
Acq: 16 Apr 2019 13:14

Tgt Ion: 91 Resp: 2190142

Ion Ratio Lower Upper

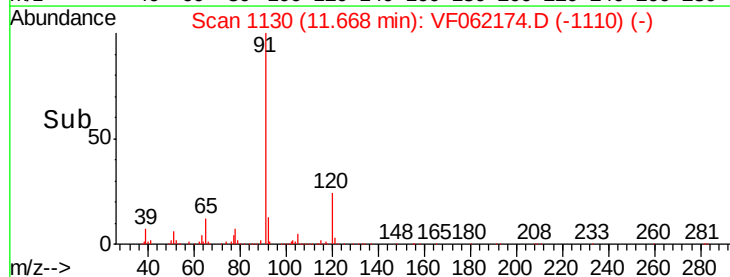
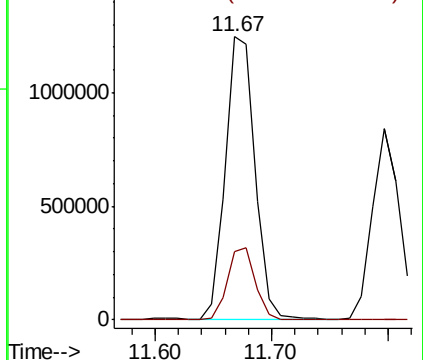
91 100

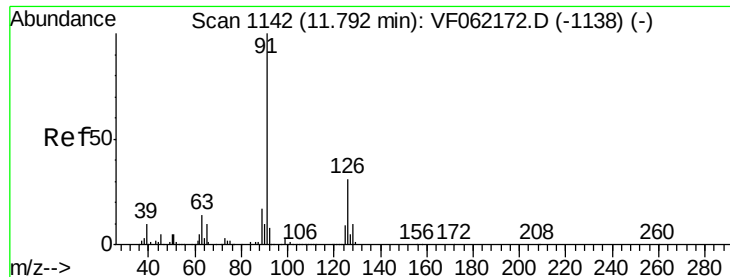
120 24.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

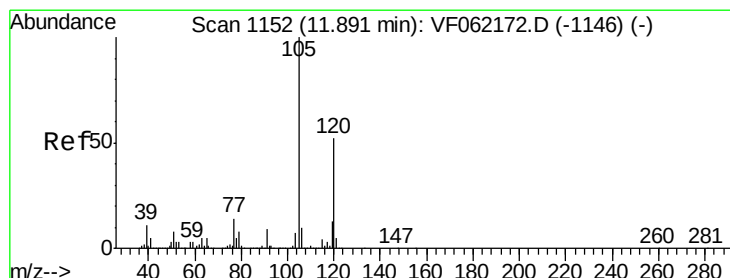
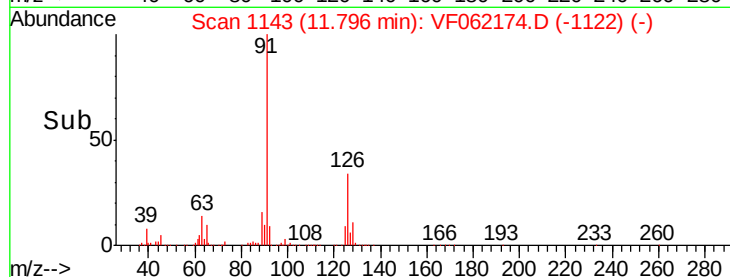
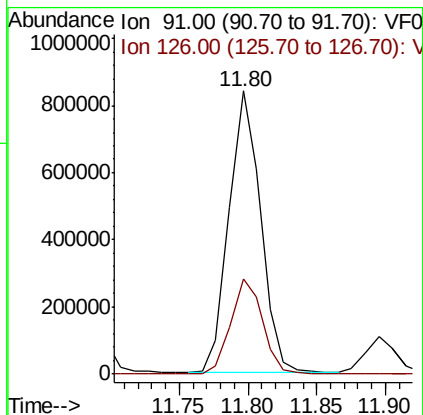
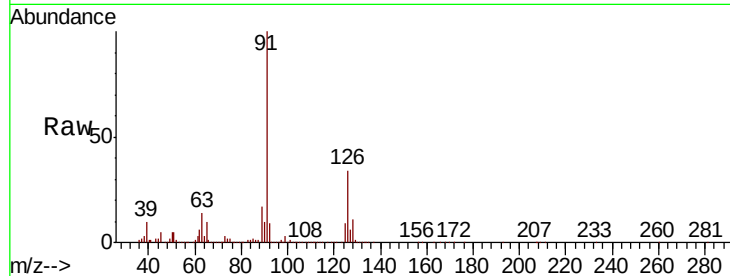




#79
 2-Chlorotoluene
 Concen: 84.707 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

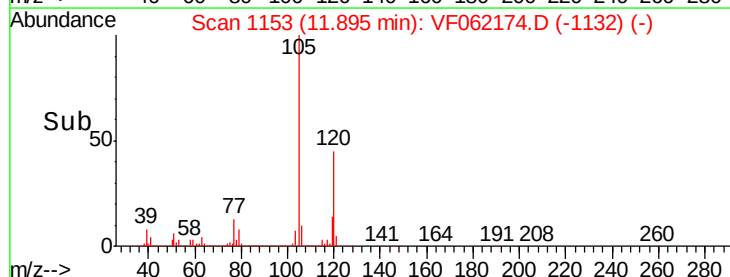
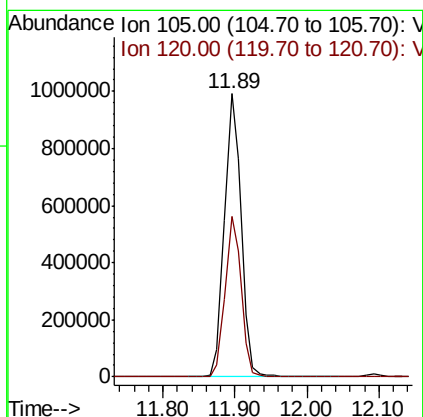
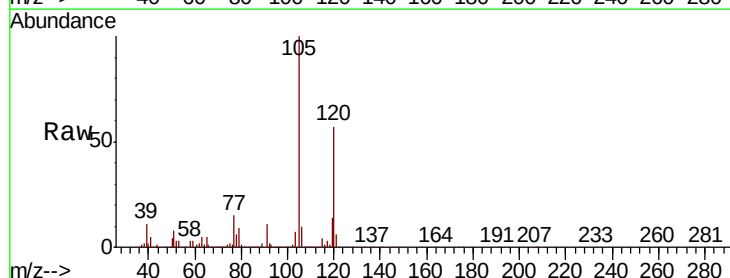
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

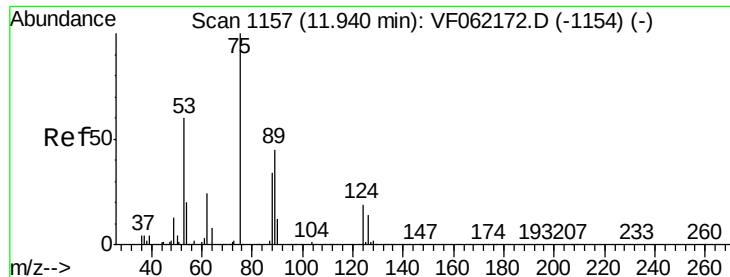
Tot Ion: 91 Resp: 1347391
 Ion Ratio Lower Upper
 91 100
 126 33.8 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 79.968 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion:105 Resp: 1583368
 Ion Ratio Lower Upper
 105 100
 120 56.7 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 105.318 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

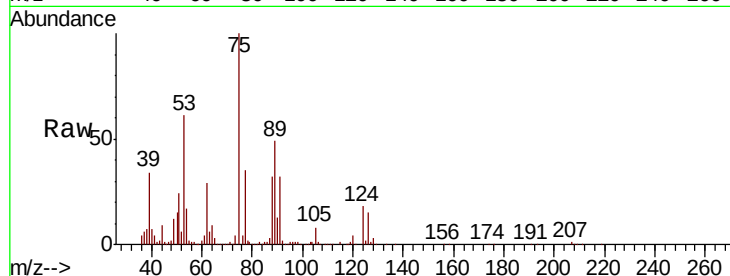
Tot Ion: 75 Resp: 162398

Ion Ratio Lower Upper

75 100

53 61.4 53.4 80.0

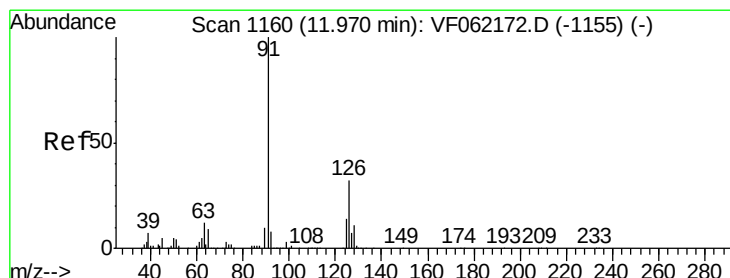
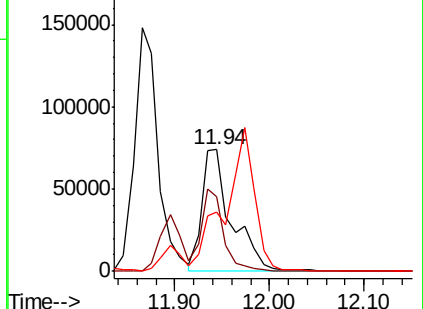
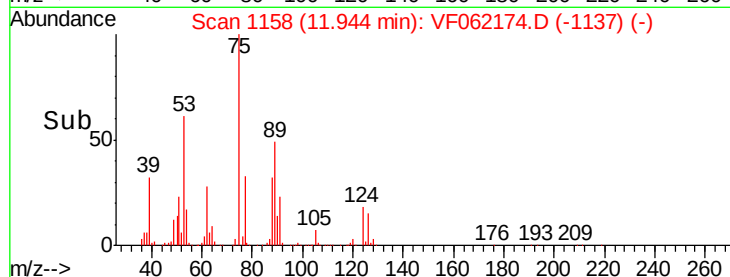
89 49.1 38.7 58.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 84.280 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062174.D

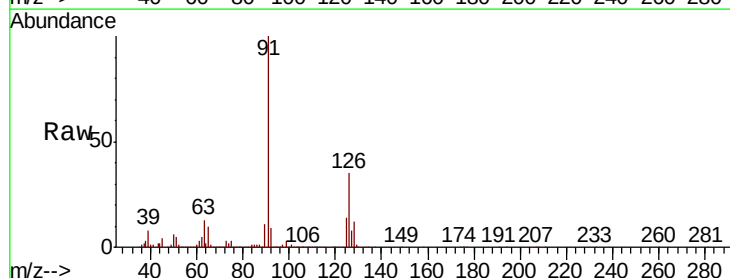
Acq: 16 Apr 2019 13:14

Tgt Ion: 91 Resp: 1313766

Ion Ratio Lower Upper

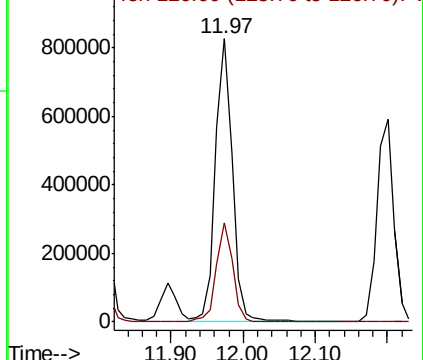
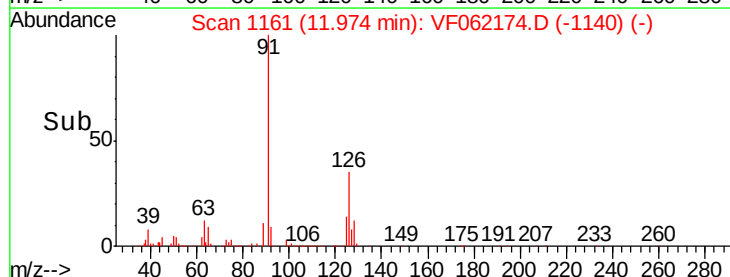
91 100

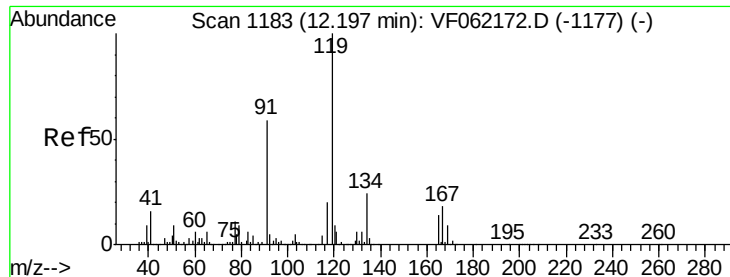
126 35.1 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

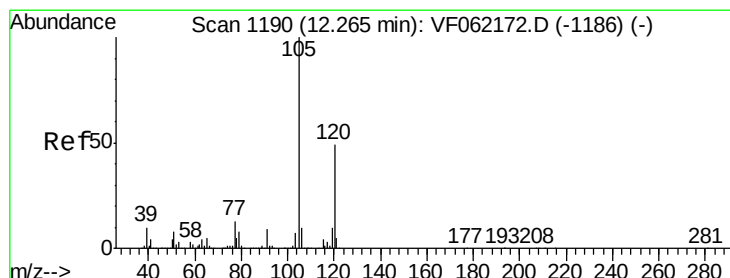
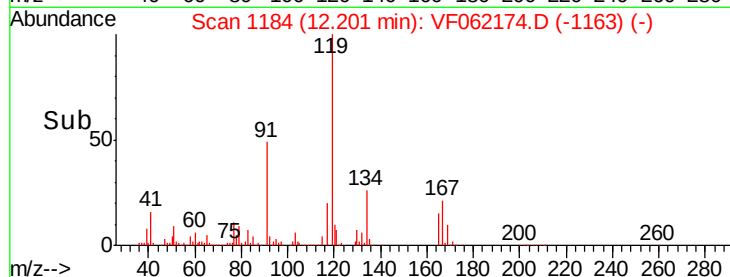
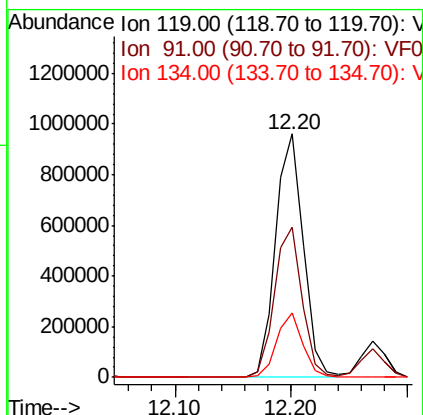
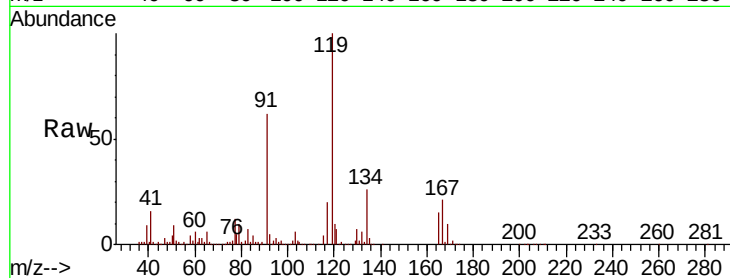




#83
 tert-Butylbenzene
 Concen: 80.568 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

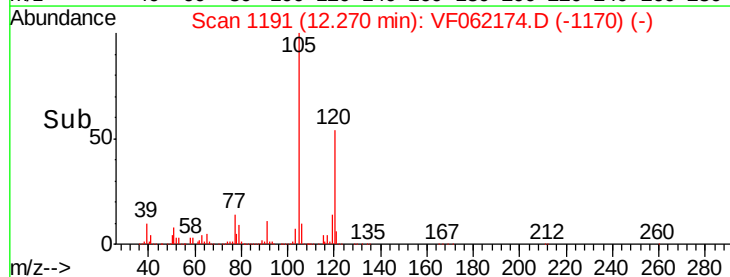
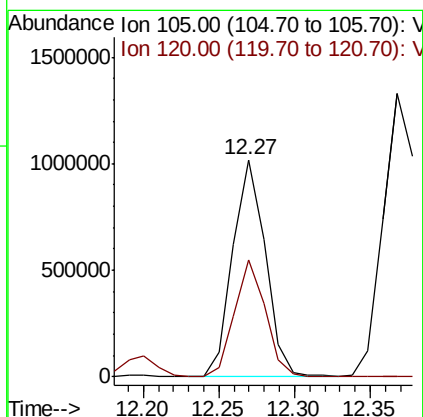
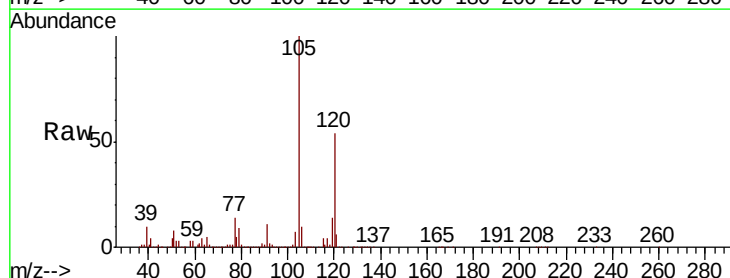
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

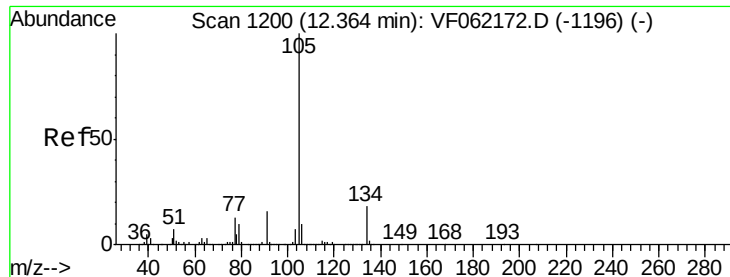
Tot Ion:119 Resp: 1584047
 Ion Ratio Lower Upper
 119 100
 91 61.5 29.5 88.5
 134 26.4 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 79.961 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion:105 Resp: 1536506
 Ion Ratio Lower Upper
 105 100
 120 54.1 24.7 74.1





#85

sec-Butylbenzene

Concen: 82.059 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

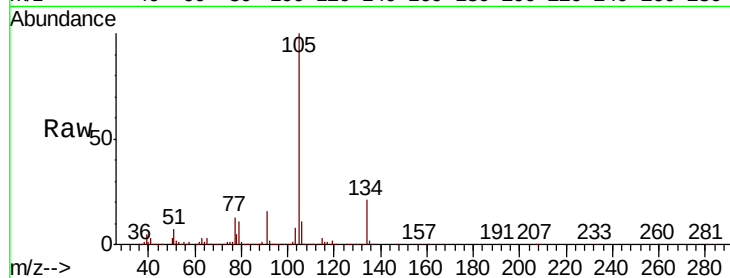
VSTDIC100

Tot Ion:105 Resp: 2121496

Ion Ratio Lower Upper

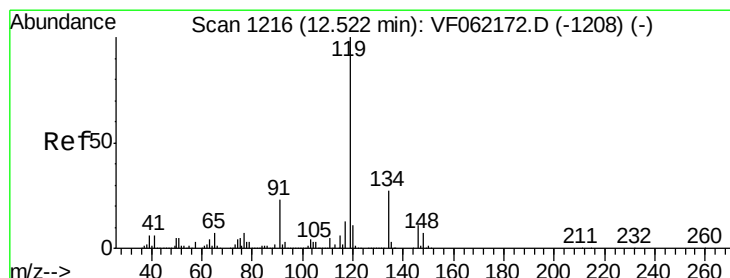
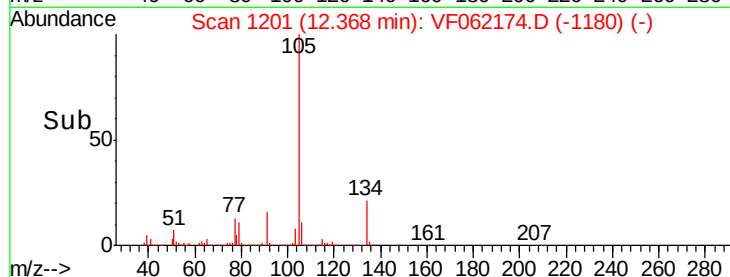
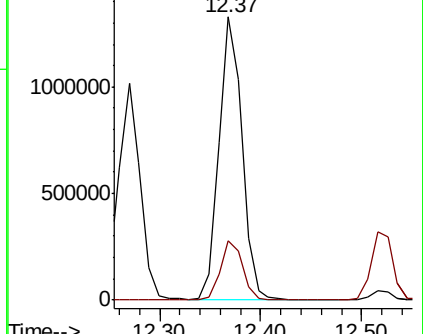
105 100

134 21.1 9.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 81.270 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

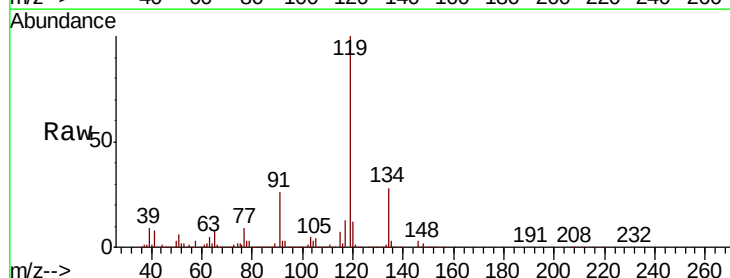
Tgt Ion:119 Resp: 1789976

Ion Ratio Lower Upper

119 100

134 28.2 13.5 40.5

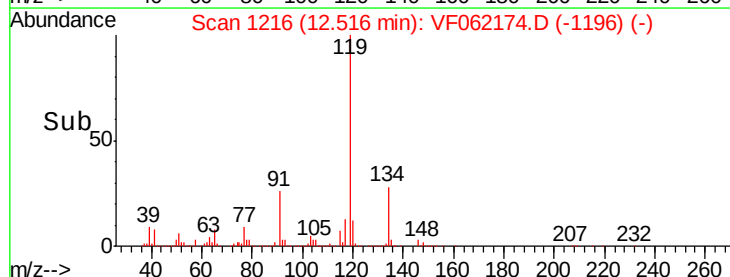
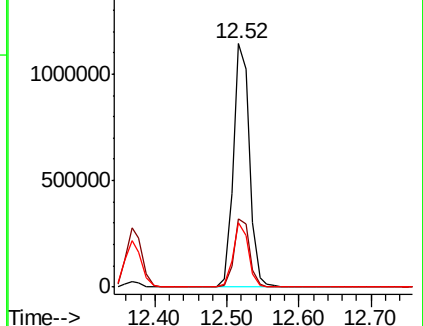
91 26.3 11.5 34.5

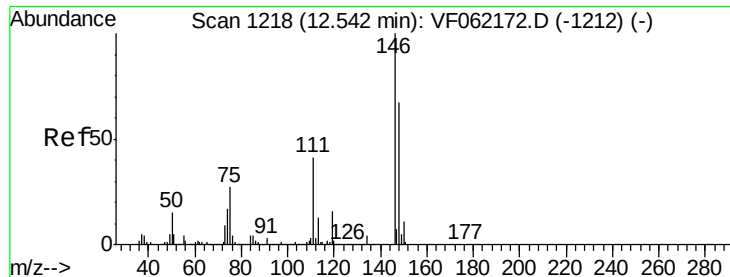


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 85.291 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

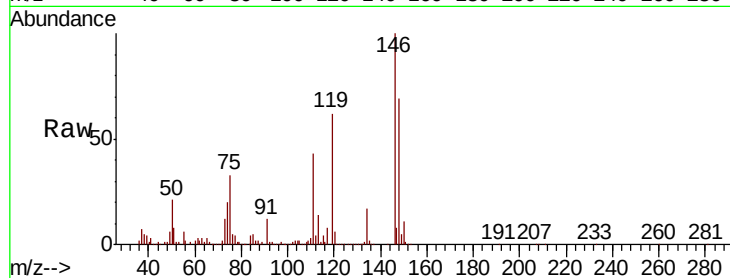
Tot Ion:146 Resp: 770446

Ion Ratio Lower Upper

146 100

111 43.5 20.5 61.6

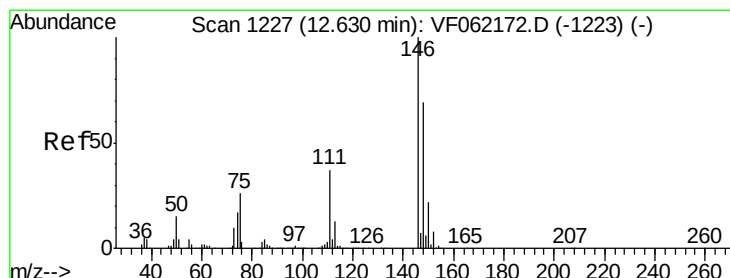
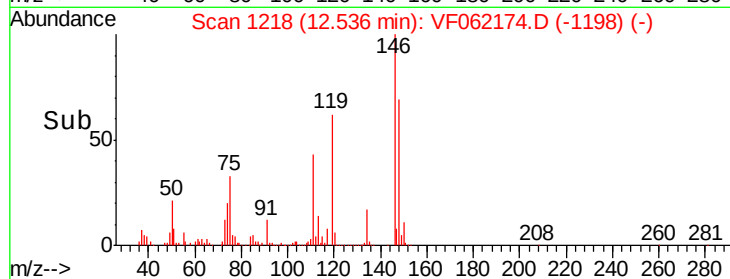
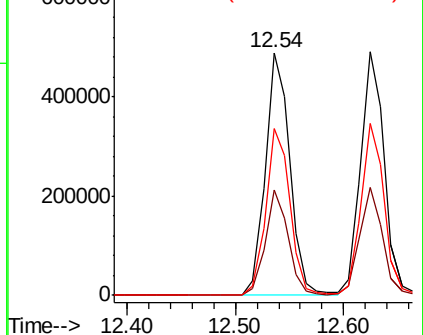
148 68.8 33.6 100.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 85.111 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

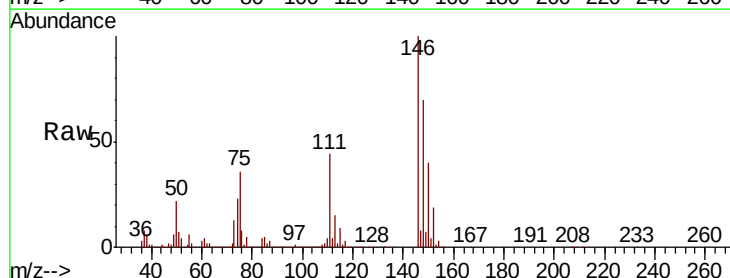
Tgt Ion:146 Resp: 749592

Ion Ratio Lower Upper

146 100

111 44.3 18.6 55.6

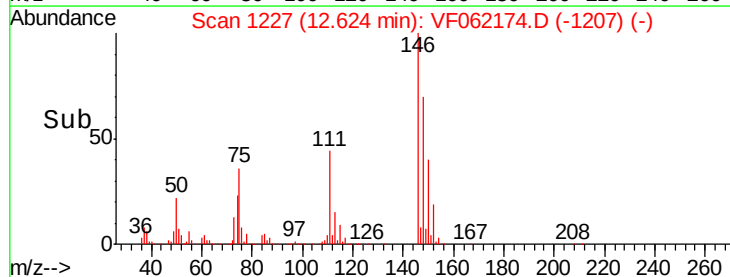
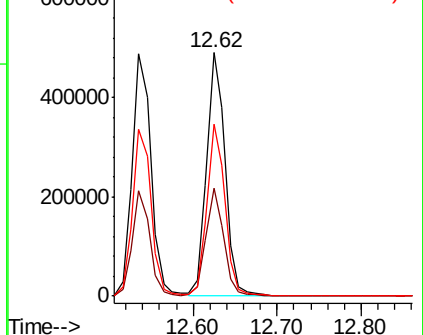
148 70.5 34.3 102.8

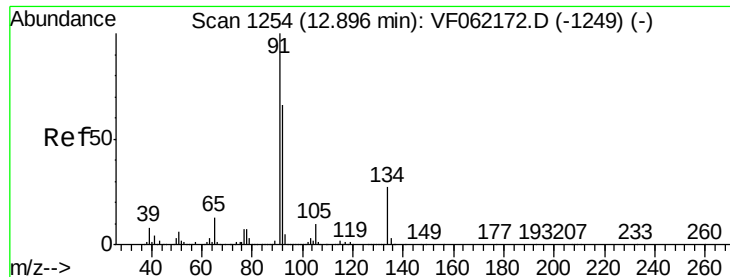


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 78.675 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

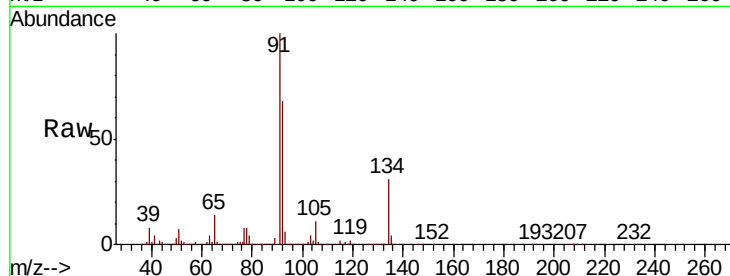
Tot Ion: 91 Resp: 1734332

Ion Ratio Lower Upper

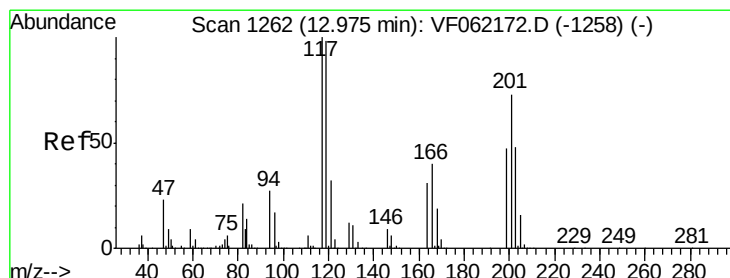
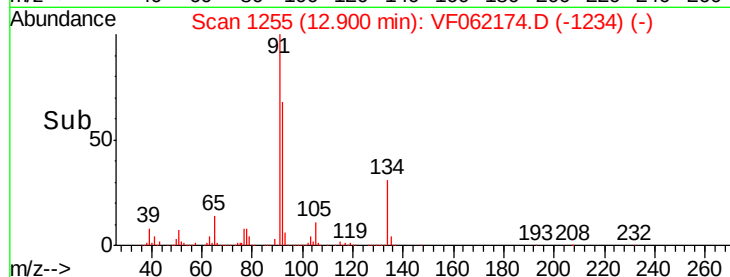
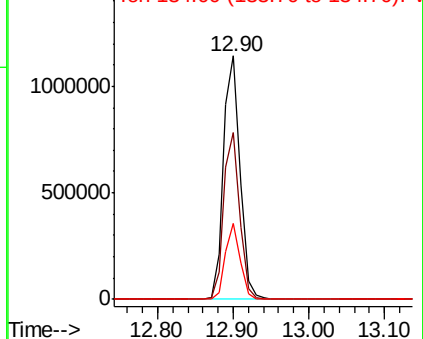
91 100

92 68.4 32.9 98.6

134 31.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 86.239 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VF062174.D

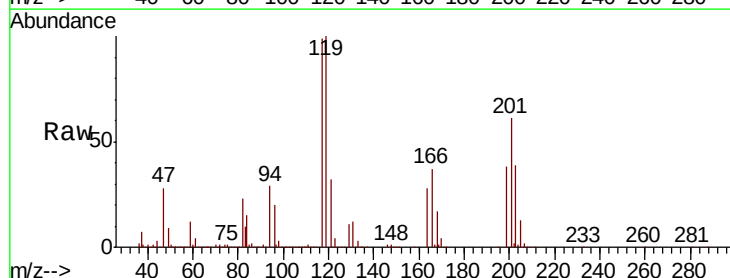
Acq: 16 Apr 2019 13:14

Tgt Ion: 117 Resp: 465272

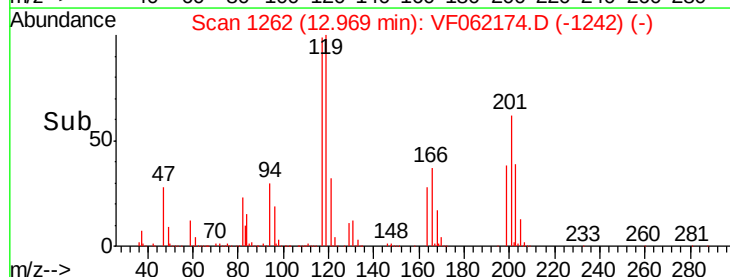
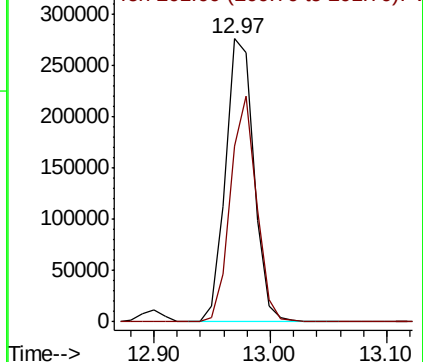
Ion Ratio Lower Upper

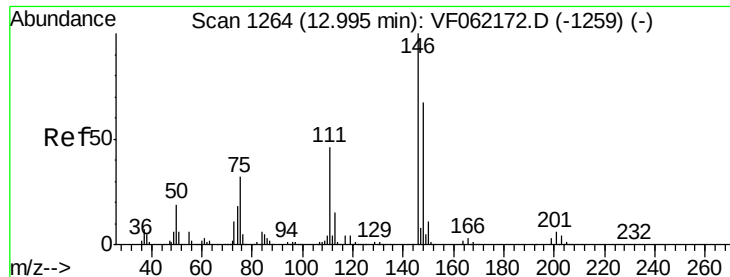
117 100

201 62.1 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

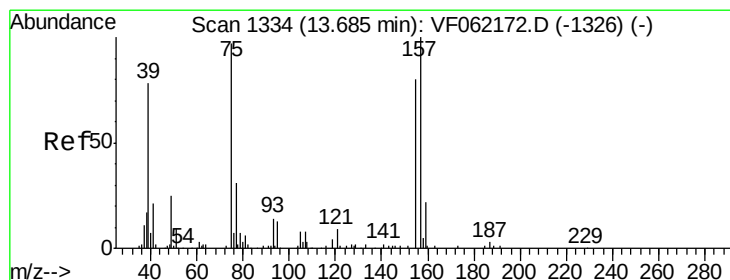
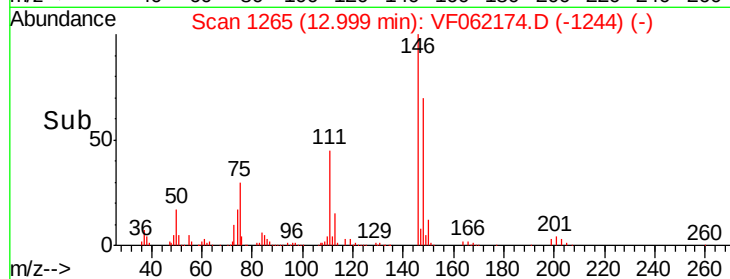
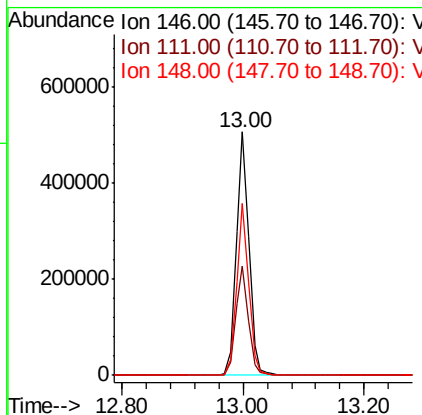
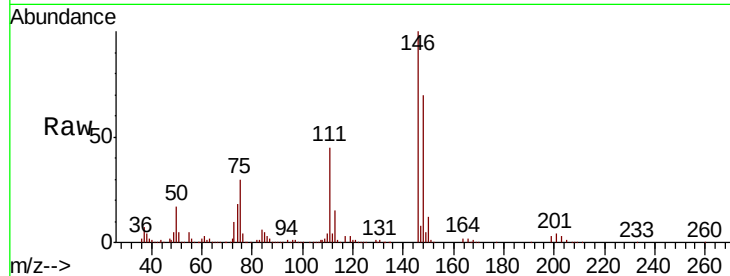




#91
 1,2-Dichlorobenzene
 Concen: 84.311 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

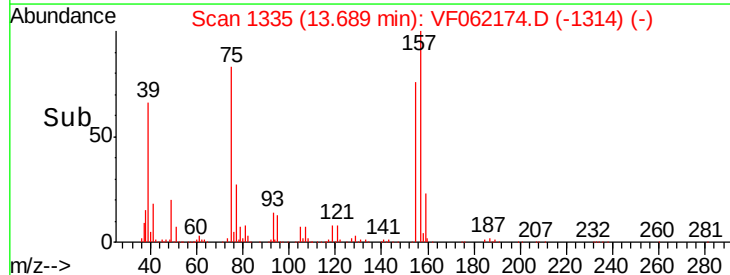
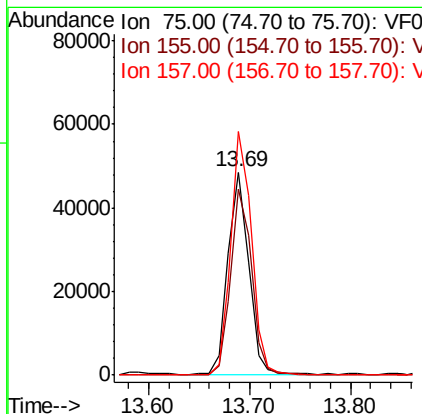
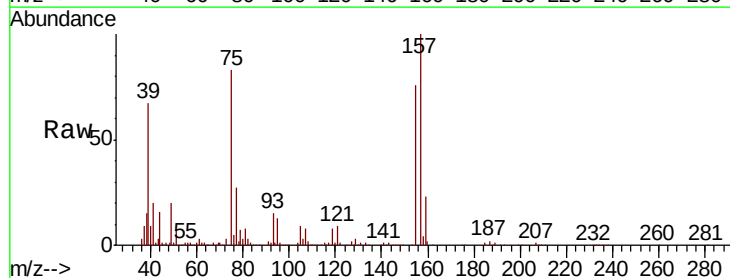
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

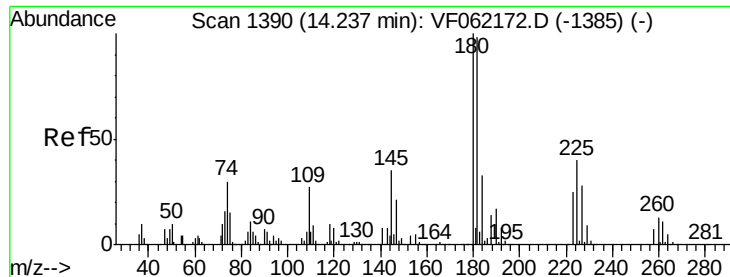
Tot Ion:146 Resp: 730881
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.9 68.8
 148 70.4 33.6 100.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.093 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion: 75 Resp: 69384
 Ion Ratio Lower Upper
 75 100
 155 91.5 41.0 123.0
 157 119.8 51.3 154.0

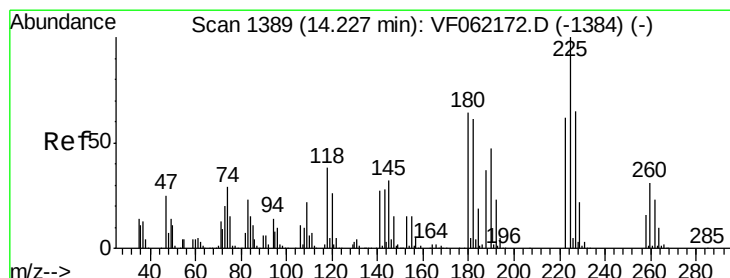
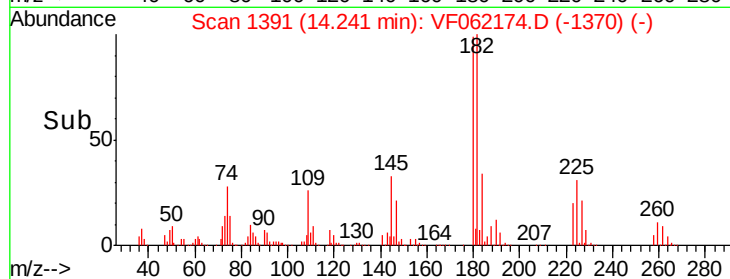
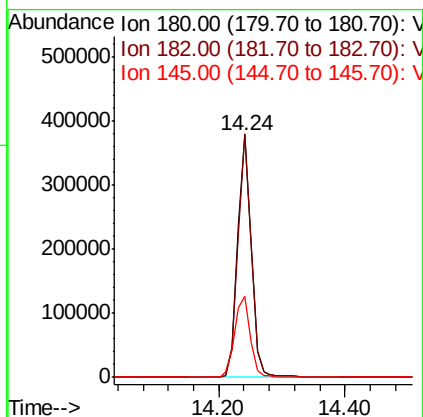
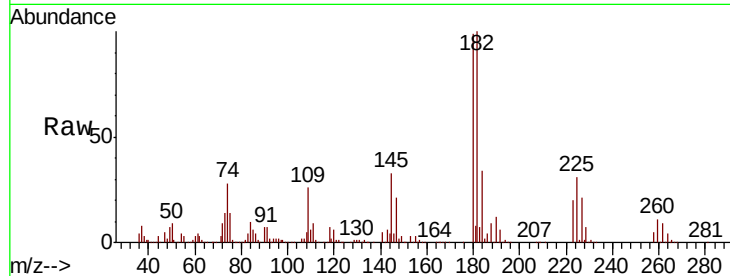




#93
 1,2,4-Trichlorobenzene
 Concen: 85.640 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

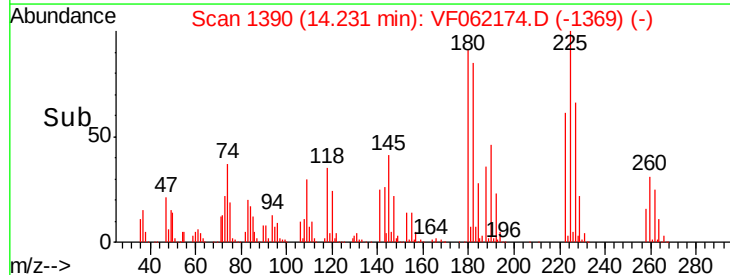
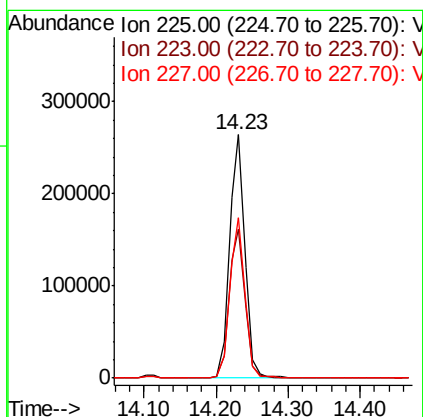
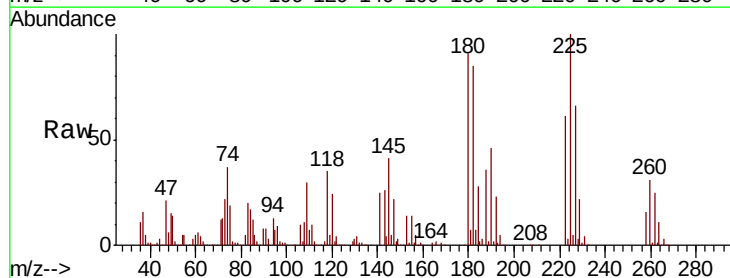
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

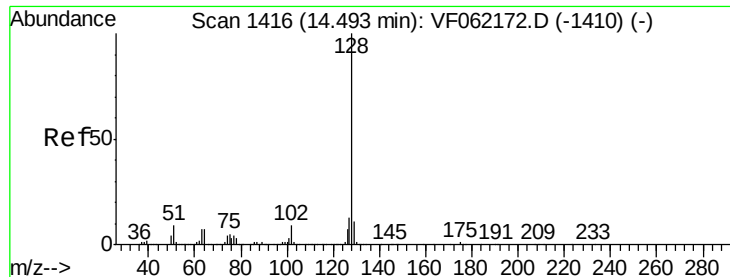
Tot Ion:180 Resp: 557573
 Ion Ratio Lower Upper
 180 100
 182 100.6 48.8 146.4
 145 33.6 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 91.054 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion:225 Resp: 386348
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.9 92.7
 227 65.8 32.3 96.9

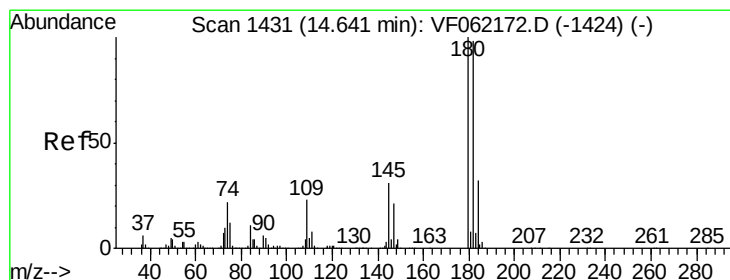
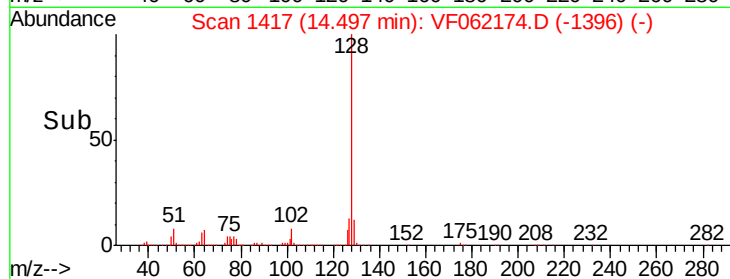
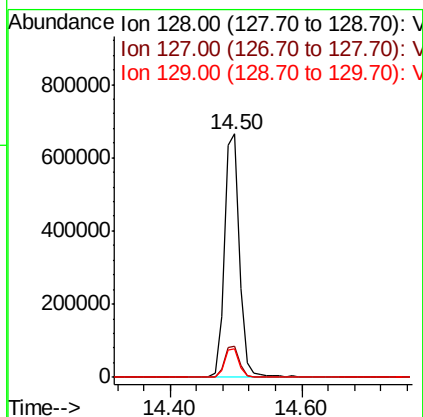
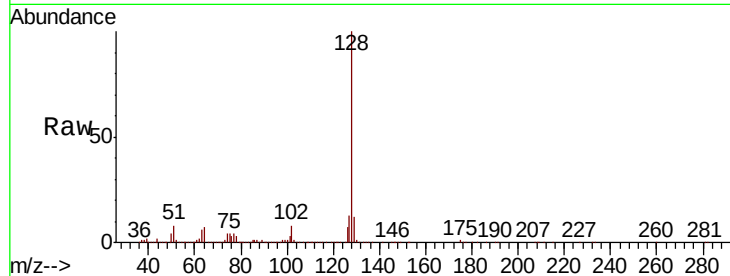




#95
Naphthalene
Concen: 93.787 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1066810
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.9 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 90.636 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:180 Resp: 549785
Ion Ratio Lower Upper
180 100
182 99.6 49.0 147.2
145 34.4 15.4 46.2

