

Data File : VV010413.D
Acq On : 22 Apr 2019 14:01
Operator : SY/MD
Sample : VSTD05080
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Apr 22 14:22:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	501338	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	503411	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	287598	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	314011	49.33	ug/L	0.00
7) Chloroethane-d5	1.57	69	246335	46.07	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	600208	39.08	ug/L	0.00
20) 2-Butanone-d5	3.93	46	190470	96.07	ug/L	0.00
24) Chloroform-d	4.40	84	629656	47.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	383055	49.23	ug/L	0.00
29) Benzene-d6	5.10	84	1147622	44.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	340144	45.10	ug/L	0.00
37) Toluene-d8	7.36	98	1210488	48.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	182958	49.33	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	160978	95.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	373231	49.48	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	572988	50.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	372361	48.966 ug/L	100
3) Chloromethane	1.25	50	295590	44.727 ug/L	100
5) Vinyl chloride	1.32	62	354160	51.299 ug/L	100
6) Bromomethane	1.51	94	192044	43.488 ug/L	99
8) Chloroethane	1.59	64	206815	47.002 ug/L	99
9) Trichlorofluoromethane	1.76	101	621542	43.835 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	341007	45.655 ug/L	100
12) 1,1-Dichloroethene	2.14	96	304222	46.712 ug/L	94
13) Acetone	2.19	43	151545	72.431 ug/L	95
14) Carbon disulfide	2.31	76	672482	41.861 ug/L	100
15) Methyl Acetate	2.46	43	138509	40.557 ug/L	97
16) Methylene chloride	2.53	84	285656	35.673 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	763457	48.678 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	273787	44.315 ug/L	96
19) 1,1-Dichloroethane	3.23	63	497549	47.146 ug/L	98
21) 2-Butanone	4.01	43	199847	88.113 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	313083	44.485 ug/L	99
23) Bromochloromethane	4.30	128	152783	43.374 ug/L	93
25) Chloroform	4.42	83	590866	48.044 ug/L	100
27) 1,2-Dichloroethane	5.18	62	421523	47.971 ug/L	100
30) Cyclohexane	4.72	56	426934	46.274 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	544295	49.043 ug/L	99
32) Carbon tetrachloride	4.87	117	508568	48.566 ug/L	100
34) Benzene	5.15	78	1102311	44.872 ug/L	100
35) Trichloroethene	5.96	95	332968	45.813 ug/L	99
36) Methylcyclohexane	6.18	83	491334	46.426 ug/L	98
40) 1,2-Dichloropropane	6.22	63	282162	44.783 ug/L	99
41) Bromodichloromethane	6.55	83	440420	49.812 ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	489901	51.554 ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	447567	90.920 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1333096	48.136	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	445928	50.332	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	254355	44.810	ug/L	98
47) Tetrachloroethene	8.02	164	288159	44.434	ug/L	98
49) 2-Hexanone	8.18	43	330212	95.835	ug/L	93
50) Dibromochloromethane	8.29	129	356266	51.119	ug/L	100
51) 1,2-Dibromoethane	8.40	107	263590	46.826	ug/L	99
52) Chlorobenzene	8.93	112	936818	48.616	ug/L	98
53) Ethylbenzene	9.05	91	1606648	51.064	ug/L	99
54) m,p-Xylene	9.18	106	644301	52.900	ug/L	98
55) o-xylene	9.59	106	672895	57.286	ug/L	99
56) Styrene	9.60	104	1190149	59.337	ug/L	95
57) Isopropylbenzene	9.97	105	1848563	59.060	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	352808	48.067	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	259965	48.912	ug/L	99
62) Bromoform	9.77	173	232482	52.290	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	834131	47.557	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	847248	46.851	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	866386	51.161	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	59996	44.330	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	699070	47.921	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	546039	46.837	ug/L	100
69) Naphthalene	13.55	128	965371	44.839	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	514402	45.407	ug/L	99

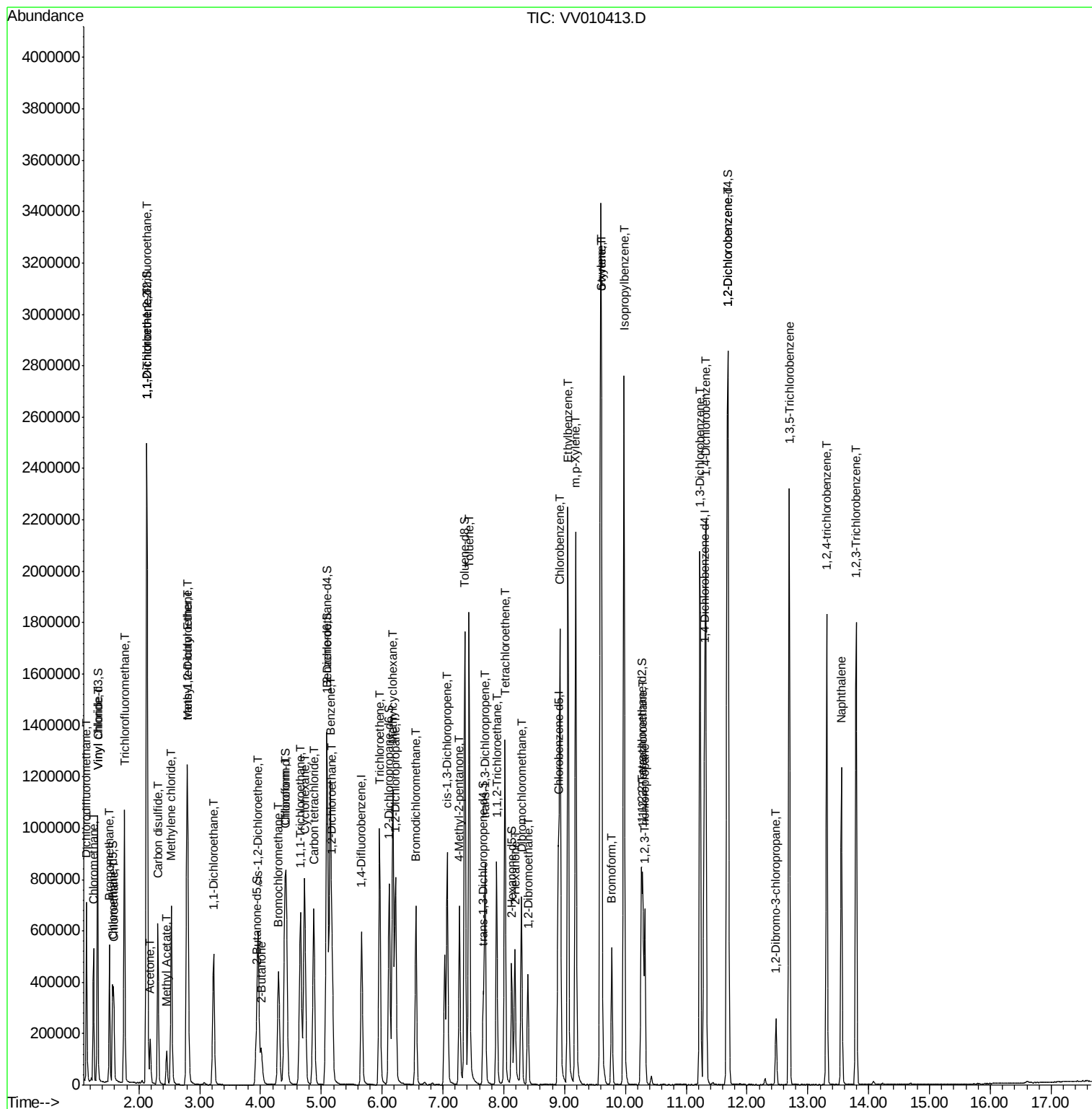
(#) = qualifier out of range (m) = manual integration (+) = signals summed

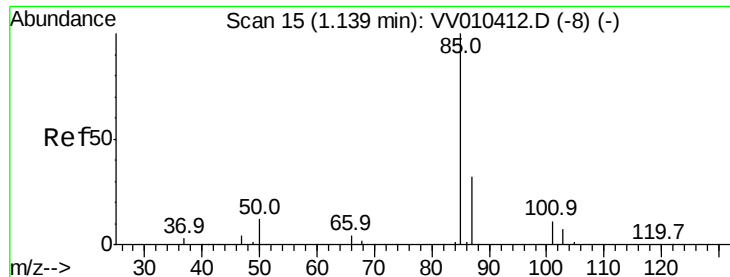
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#2

Dichlorodifluoromethane

Concen: 48.966 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

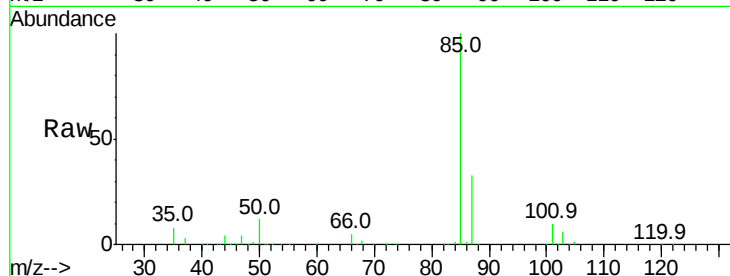
VSTD05080

Tgt Ion: 85 Resp: 372361

Ion Ratio Lower Upper

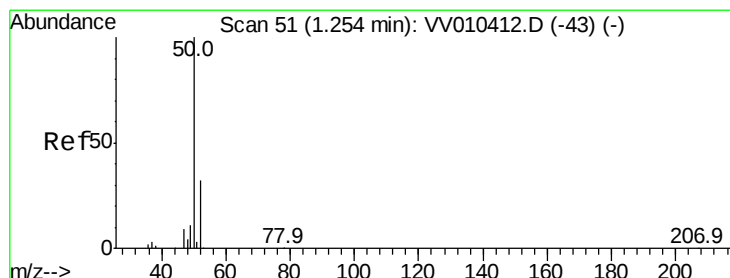
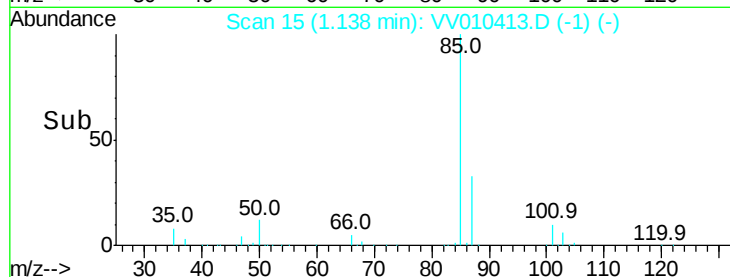
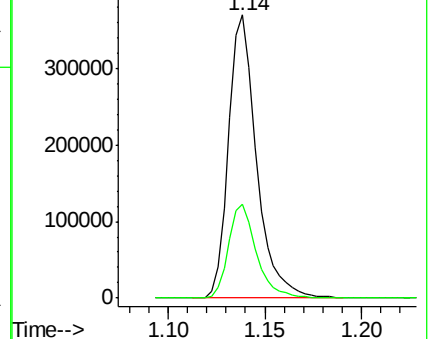
85 100

87 33.0 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 44.727 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010413.D

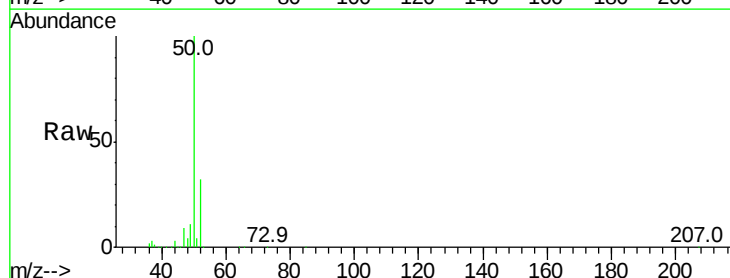
Acq: 22 Apr 2019 14:01

Tgt Ion: 50 Resp: 295590

Ion Ratio Lower Upper

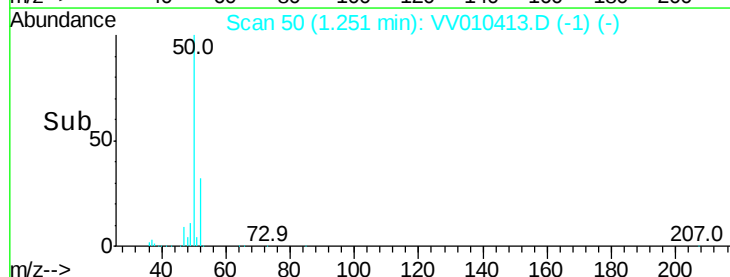
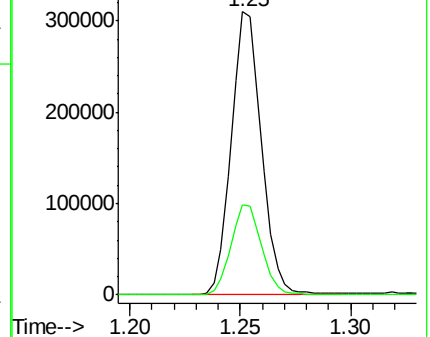
50 100

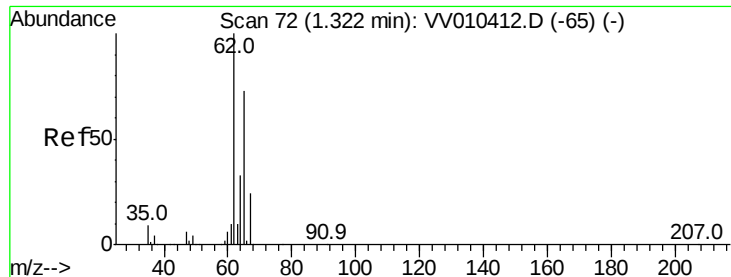
52 31.8 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.299 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

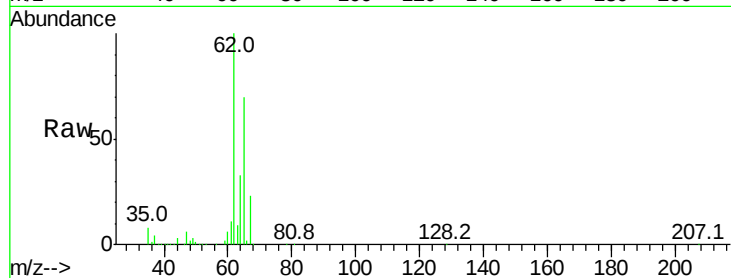
VSTD05080

Tgt Ion: 62 Resp: 354160

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

400000

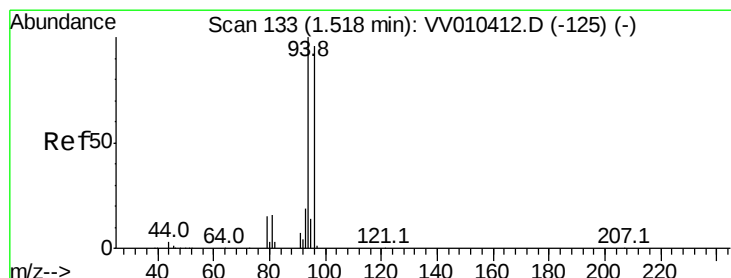
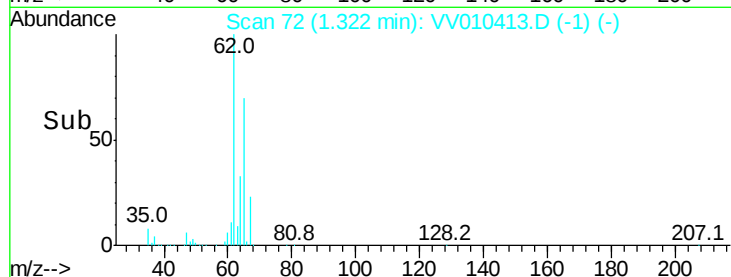
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 43.488 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010413.D

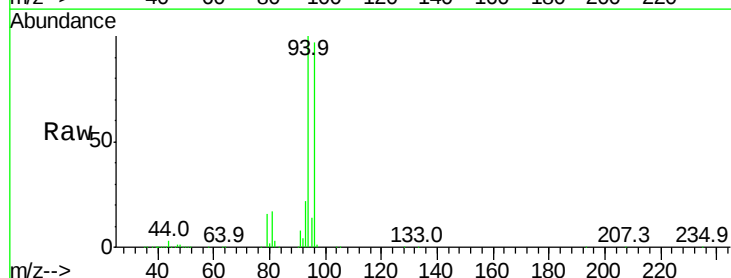
Acq: 22 Apr 2019 14:01

Tgt Ion: 94 Resp: 192044

Ion Ratio Lower Upper

94 100

96 95.8 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

200000

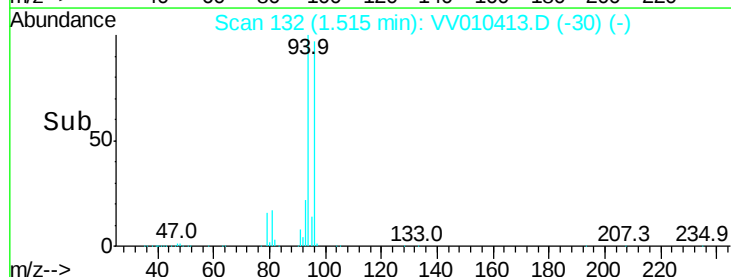
150000

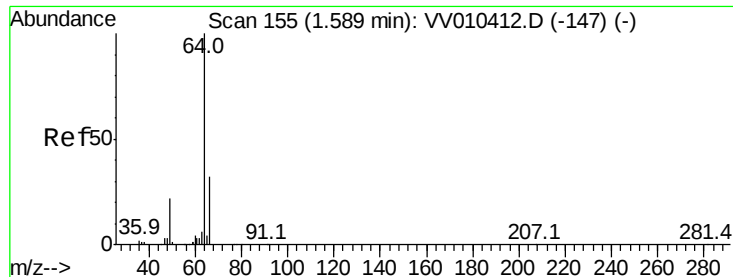
100000

50000

0

Time--> 1.50 1.55





#8

Chloroethane

Concen: 47.002 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

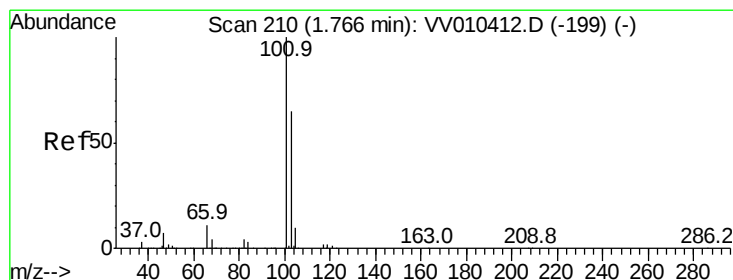
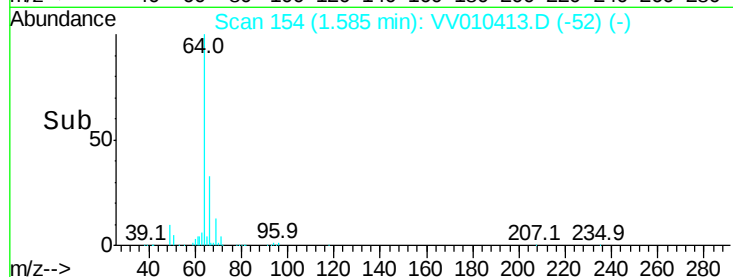
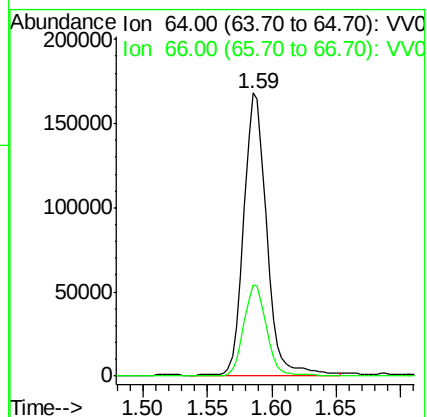
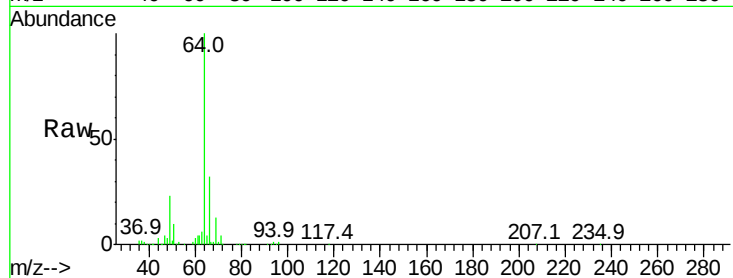
VSTD05080

Tgt Ion: 64 Resp: 206815

Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.7



#9

Trichlorofluoromethane

Concen: 43.835 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010413.D

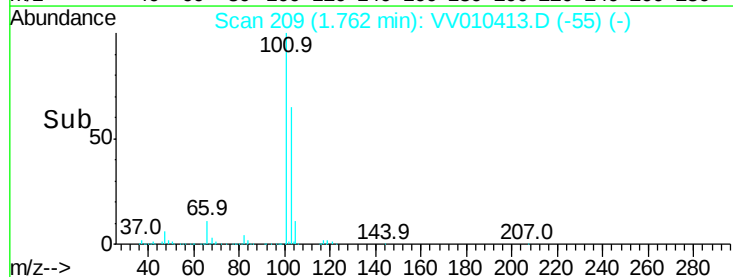
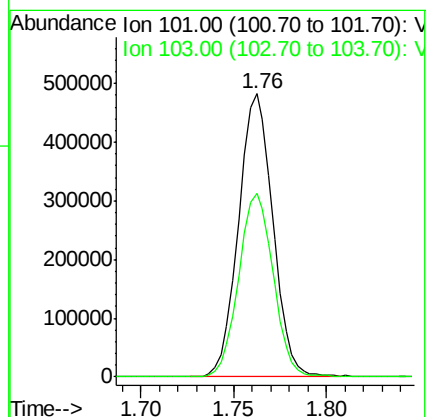
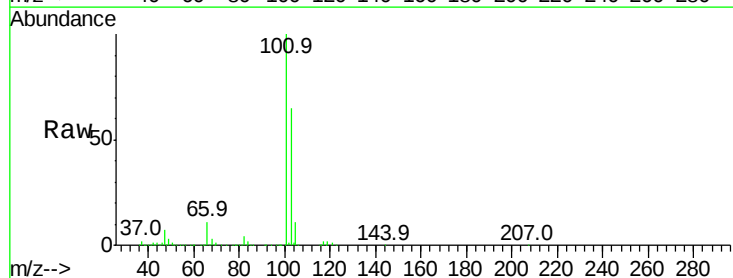
Acq: 22 Apr 2019 14:01

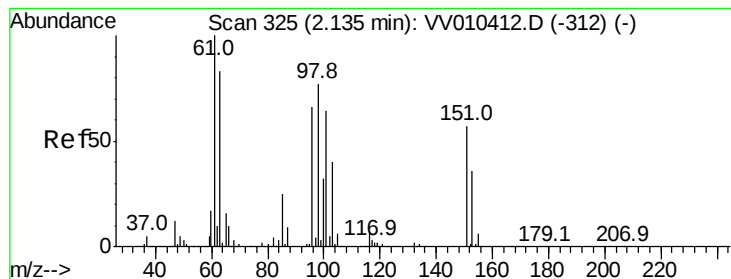
Tgt Ion: 101 Resp: 621542

Ion Ratio Lower Upper

101 100

103 65.3 45.4 84.2





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.655 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

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ClientSampleId :

VSTD05080

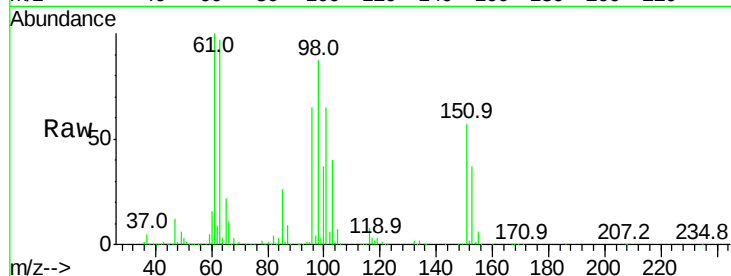
Tgt Ion: 101 Resp: 341007

Ion Ratio Lower Upper

101 100

85 40.5 31.8 47.6

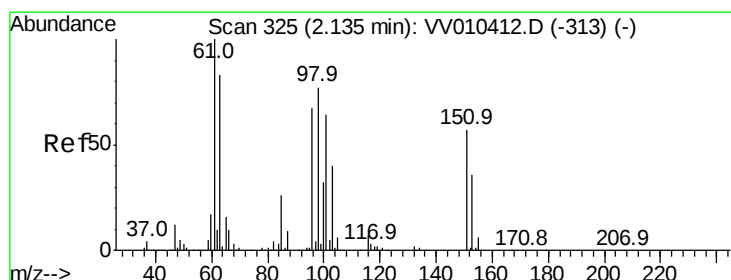
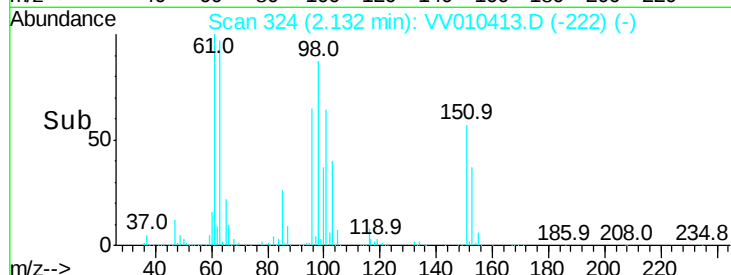
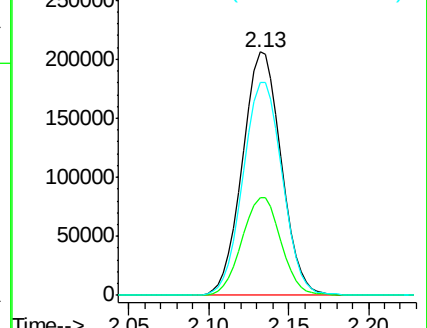
151 88.7 70.9 106.3



Abundance Ion 101.00 (100.70 to 101.70): VV010413.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV010413.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV010413.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 46.712 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

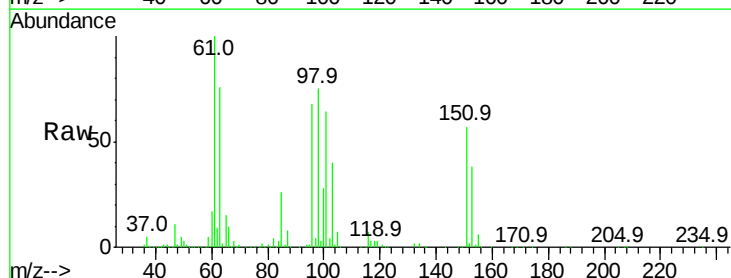
Tgt Ion: 96 Resp: 304222

Ion Ratio Lower Upper

96 100

61 147.9 105.3 195.5

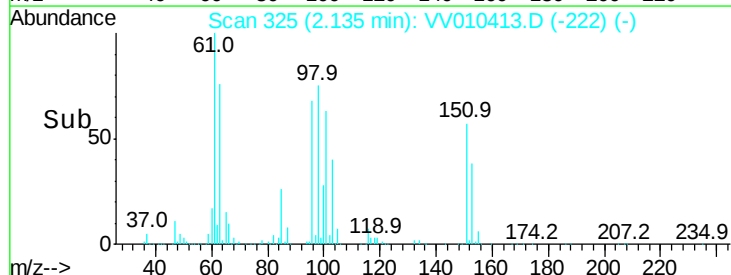
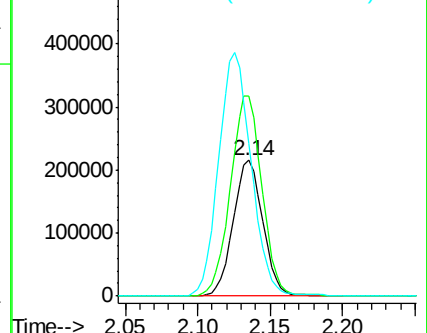
63 113.1 87.8 163.2

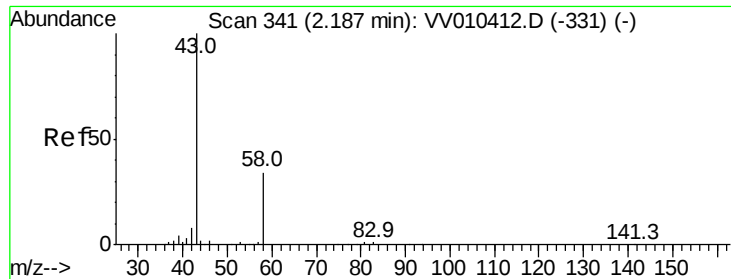


Abundance Ion 96.00 (95.70 to 96.70): VV010413.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV010413.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV010413.D (-222) (-)





#13

Acetone

Concen: 72.431 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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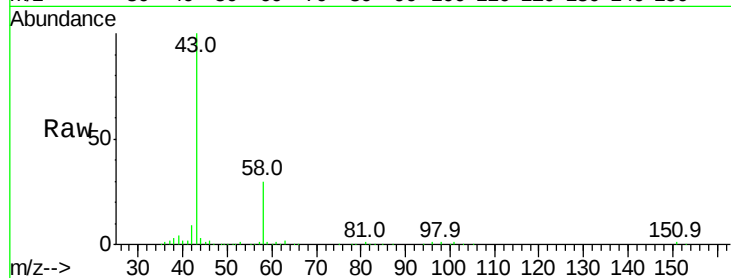
VSTD05080

Tgt Ion: 43 Resp: 151545

Ion Ratio Lower Upper

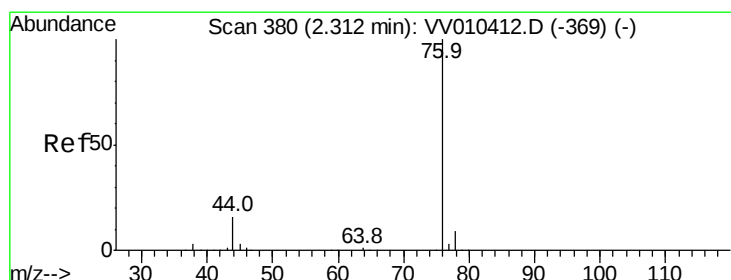
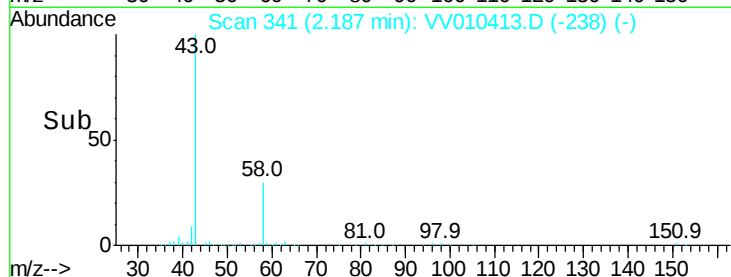
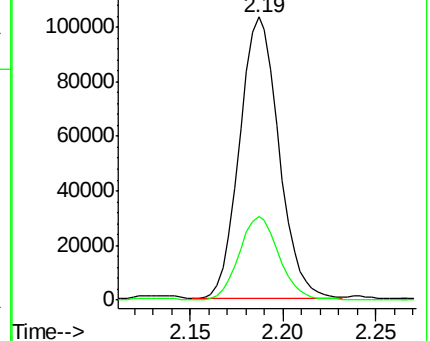
43 100

58 30.5 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 41.861 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010413.D

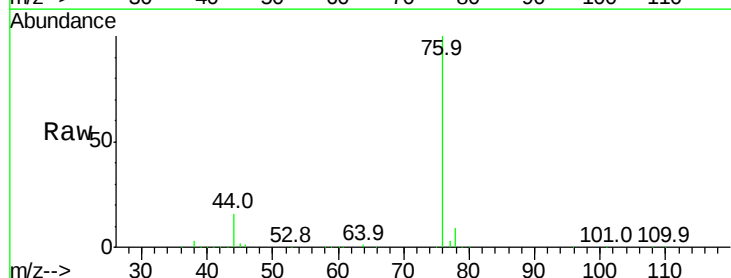
Acq: 22 Apr 2019 14:01

Tgt Ion: 76 Resp: 672482

Ion Ratio Lower Upper

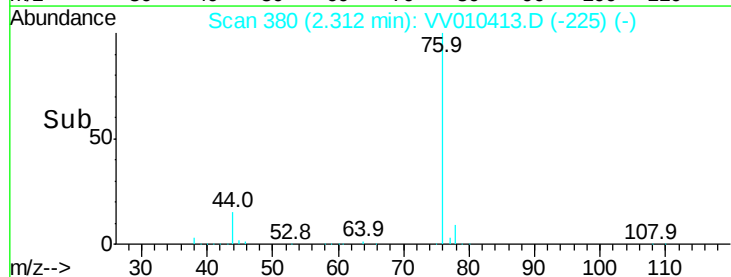
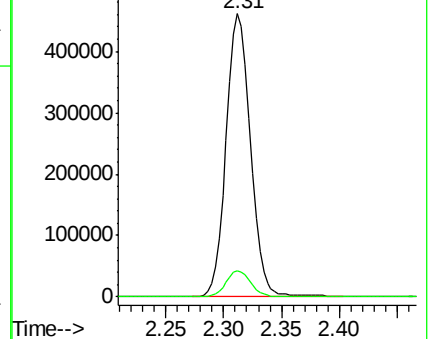
76 100

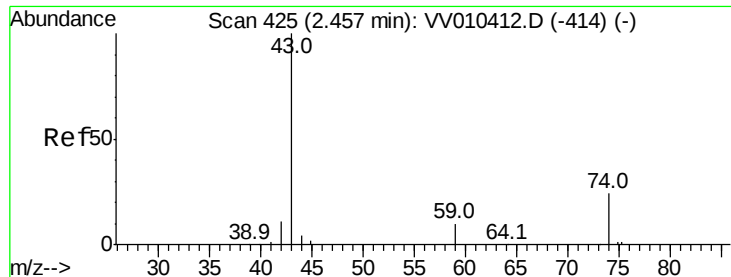
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 40.557 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

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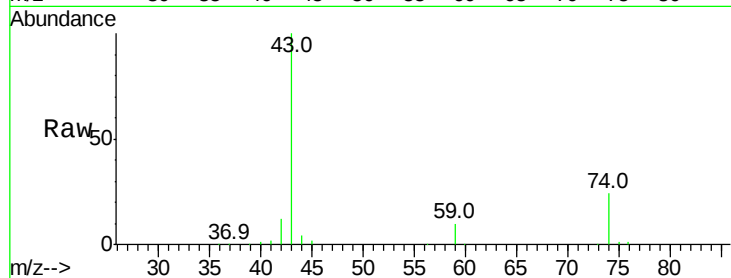
VSTD05080

Tgt Ion: 43 Resp: 138509

Ion Ratio Lower Upper

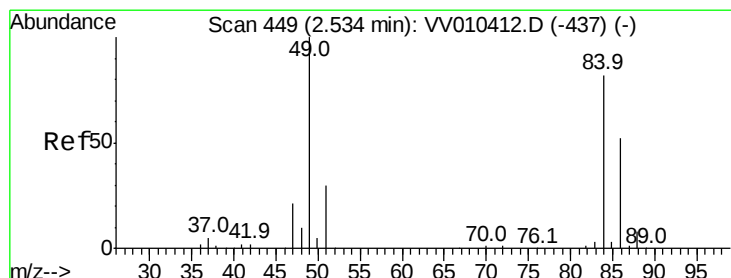
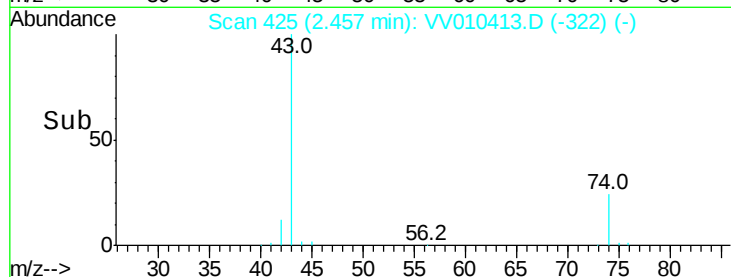
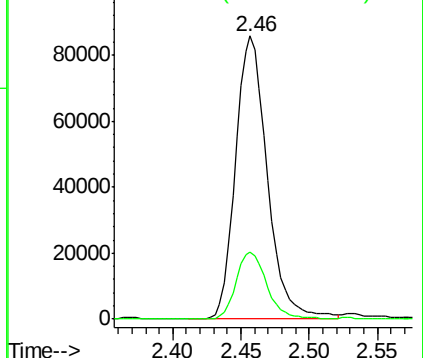
43 100

74 23.1 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 35.673 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

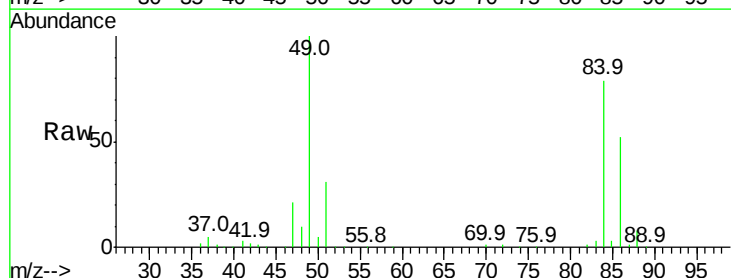
Tgt Ion: 84 Resp: 285656

Ion Ratio Lower Upper

84 100

49 126.0 85.0 158.0

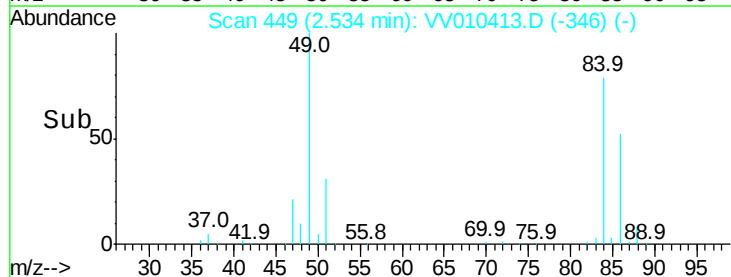
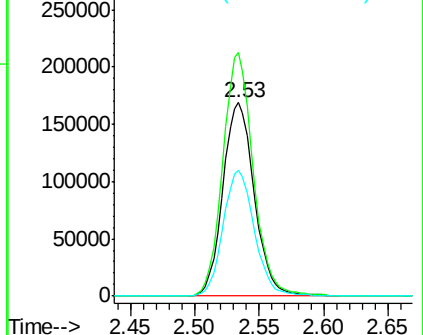
86 65.3 43.9 81.5

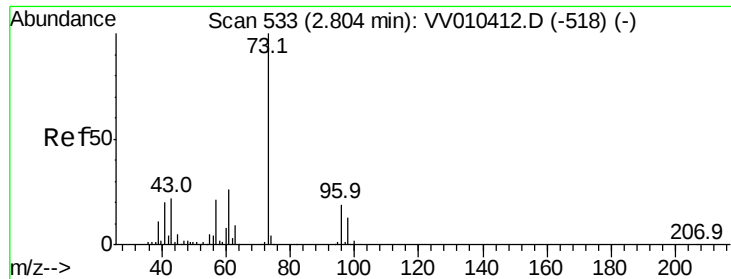


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

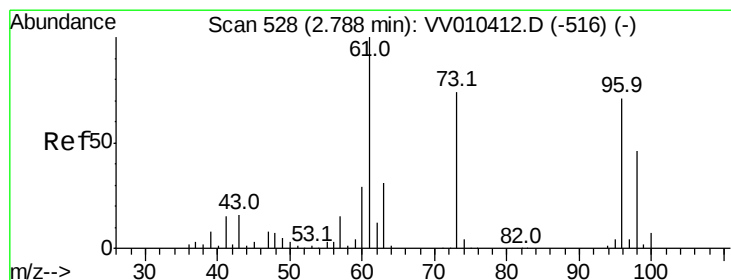
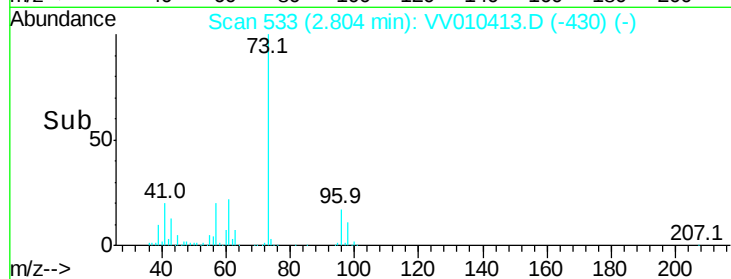
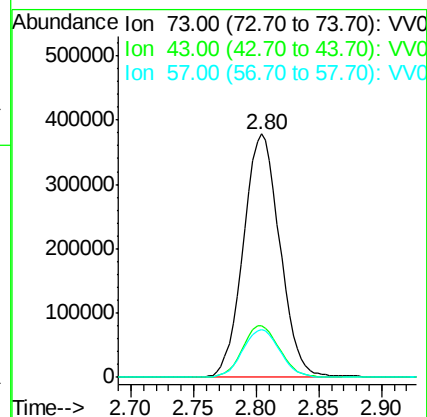
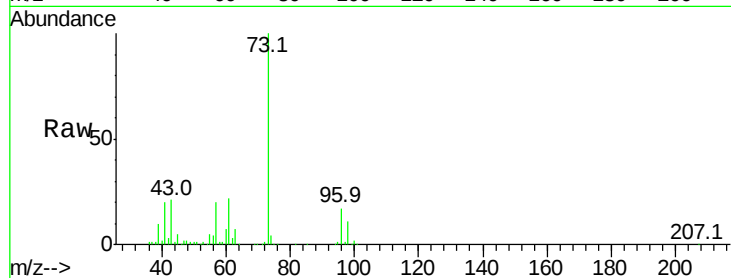




#17
Methyl tert-butyl Ether
Concen: 48.678 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

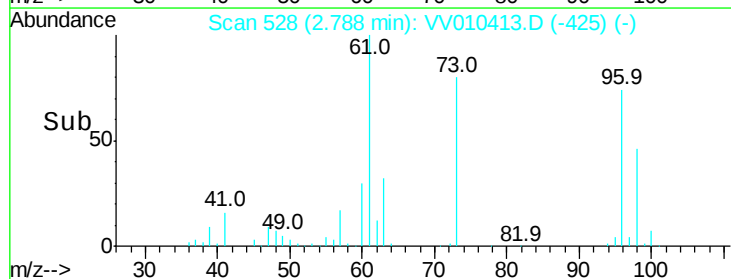
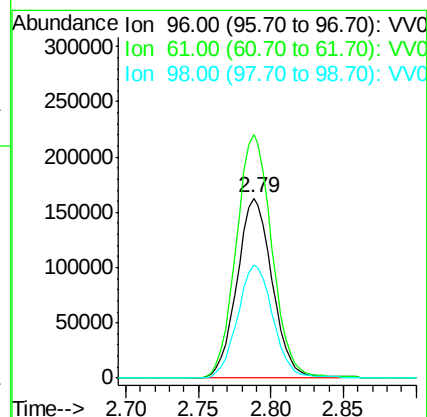
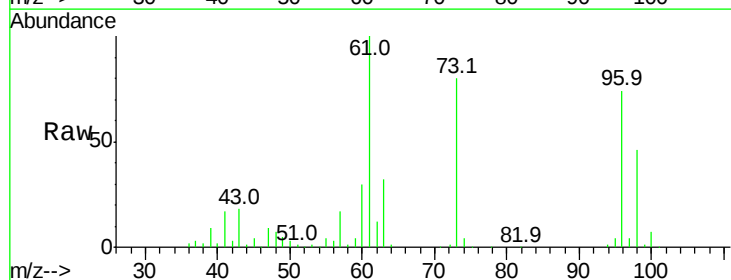
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

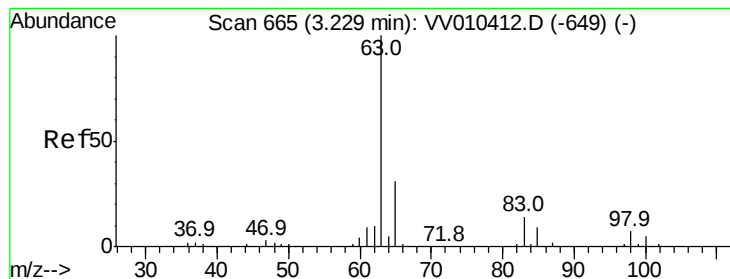
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.8	25.2
57	20.1	16.1	24.1



#18
trans-1,2-Dichloroethene
Concen: 44.315 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.4	98.6	183.0
98	62.8	45.7	84.9





#19

1,1-Dichloroethane

Concen: 47.146 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

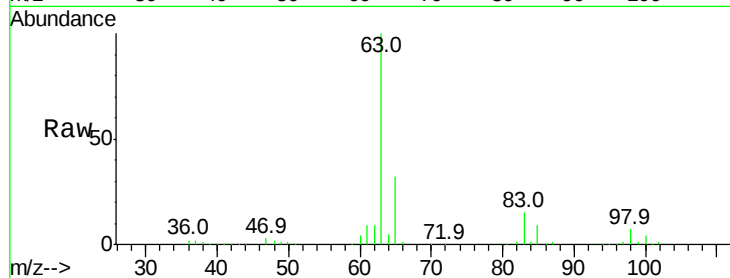
Tgt Ion: 63 Resp: 497549

Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

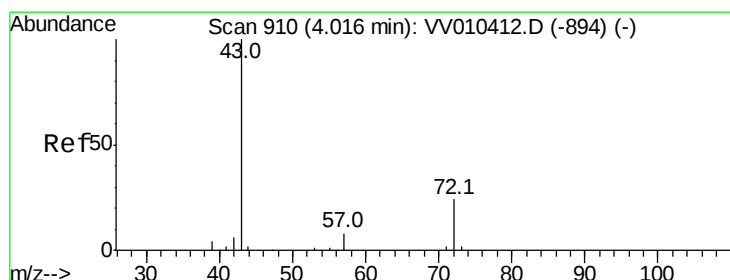
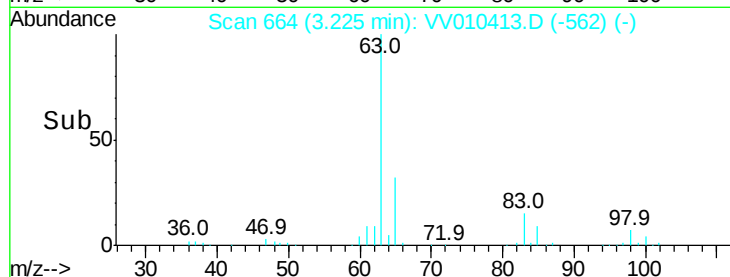
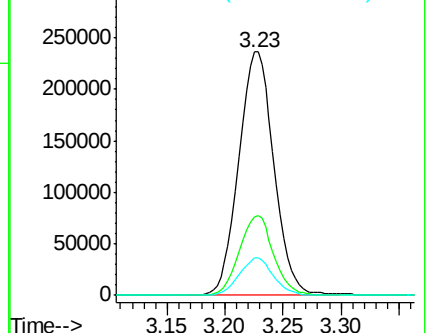
83 15.3 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#21

2-Butanone

Concen: 88.113 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.00 min

Lab File: VV010413.D

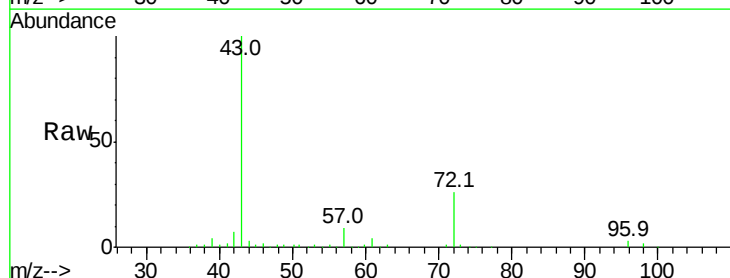
Acq: 22 Apr 2019 14:01

Tgt Ion: 43 Resp: 199847

Ion Ratio Lower Upper

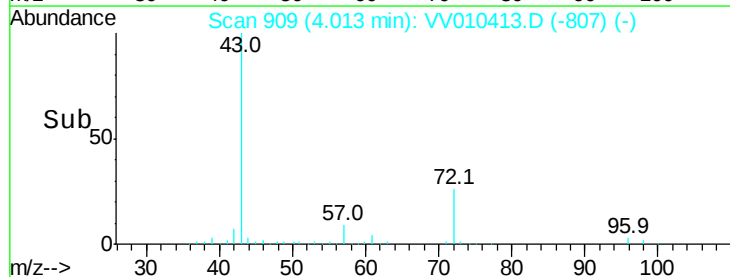
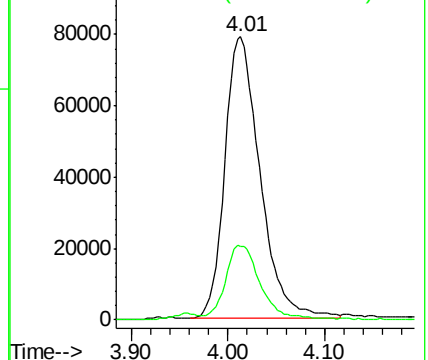
43 100

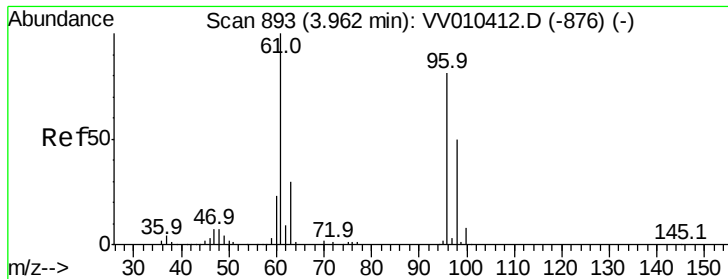
72 24.9 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



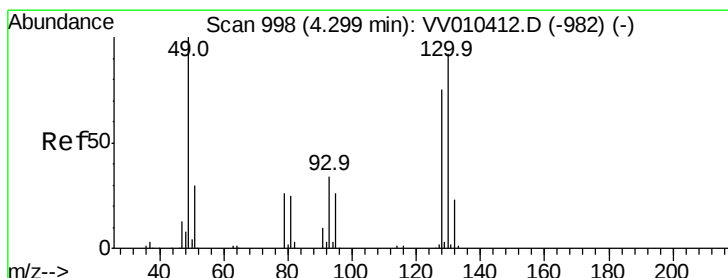
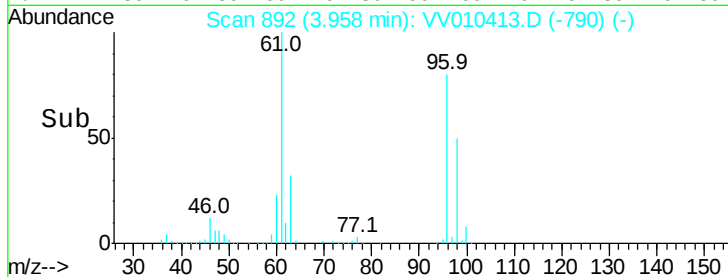
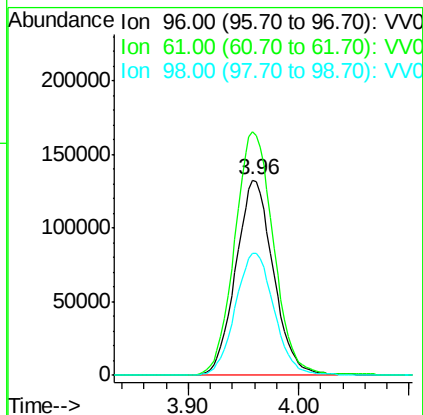
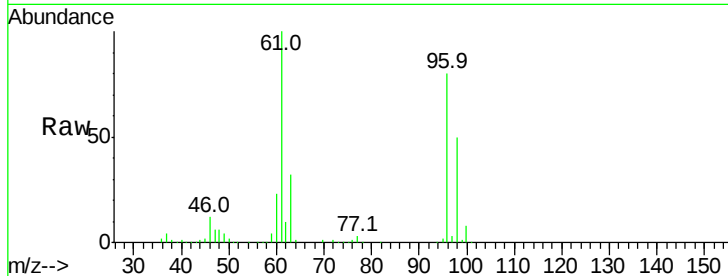


#22

cis-1,2-Dichloroethene
 Concen: 44.485 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

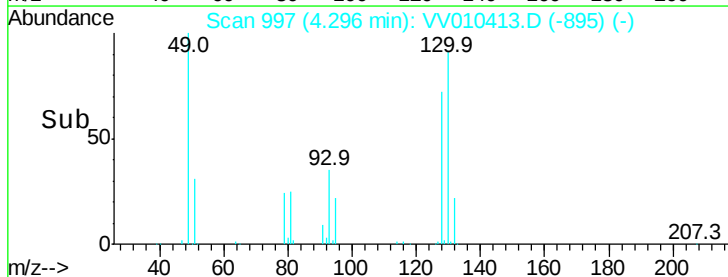
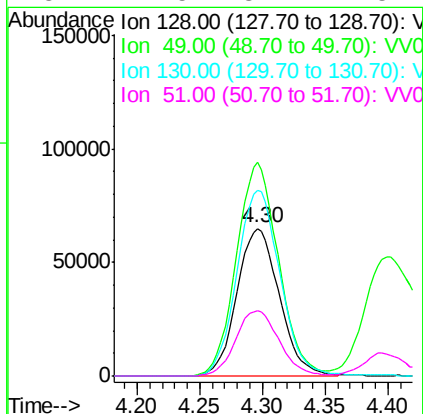
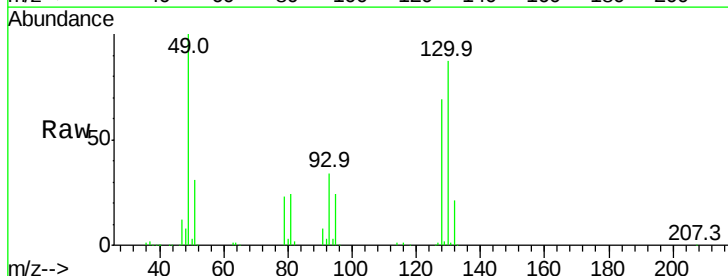
Tgt Ion: 96 Resp: 313083
 Ion Ratio Lower Upper
 96 100
 61 124.8 86.7 161.1
 98 62.6 43.5 80.7

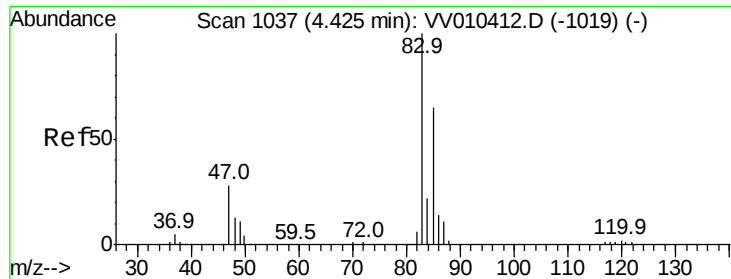


#23

Bromochloromethane
 Concen: 43.374 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

Tgt Ion: 128 Resp: 152783
 Ion Ratio Lower Upper
 128 100
 49 145.1 93.7 174.1
 130 126.4 85.9 159.5
 51 44.5 32.2 48.4

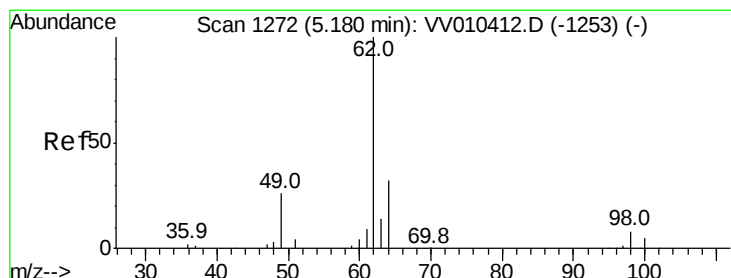
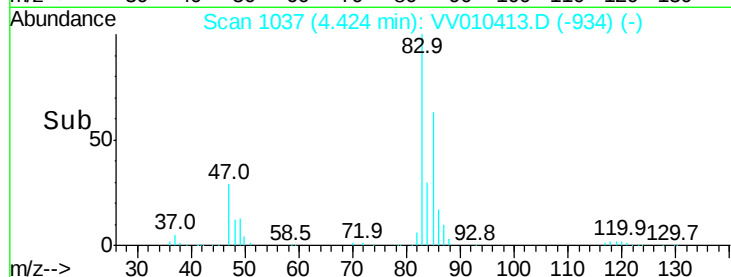
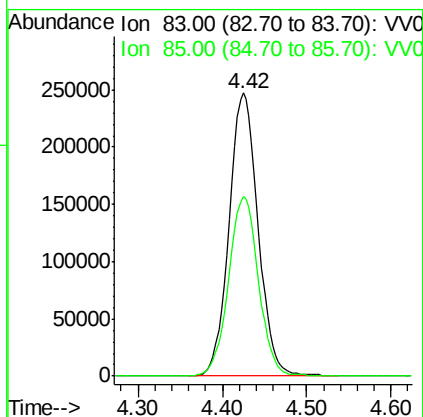
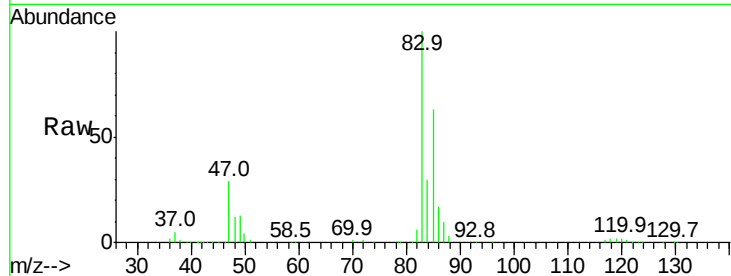




#25
Chloroform
Concen: 48.044 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

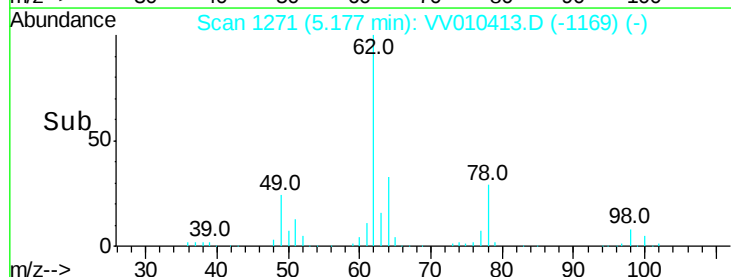
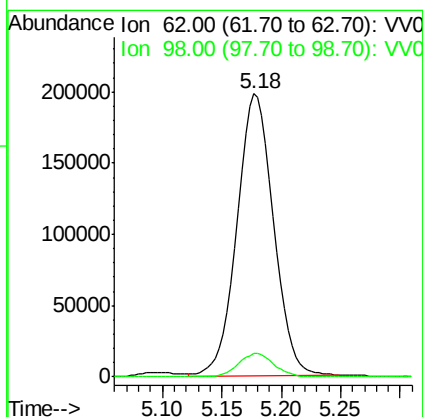
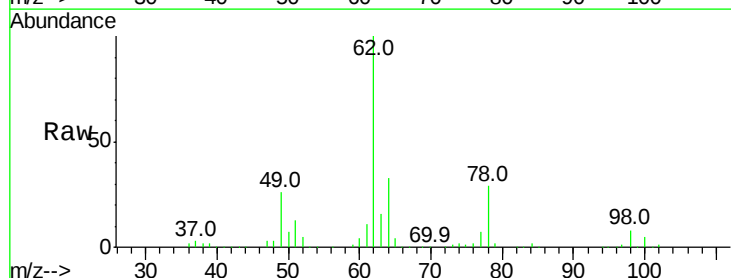
Instrument :
MSVOA_V
ClientSampled :
VSTD05080

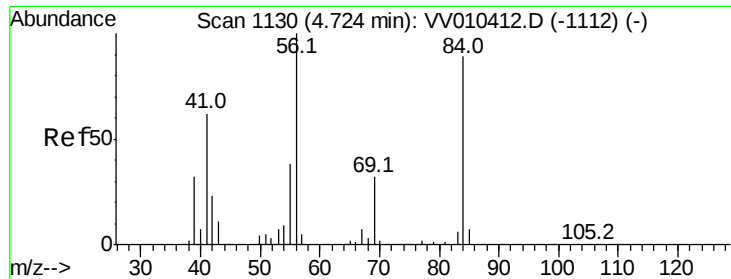
Tgt Ion: 83 Resp: 590866
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 47.971 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion: 62 Resp: 421523
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6

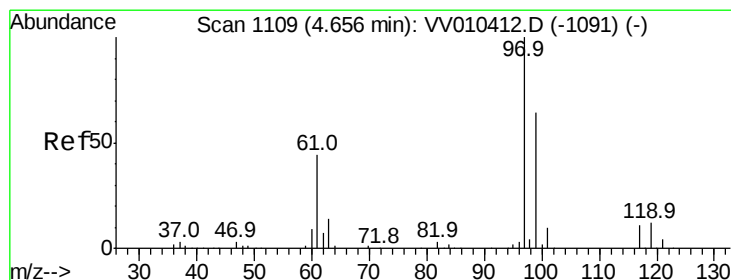
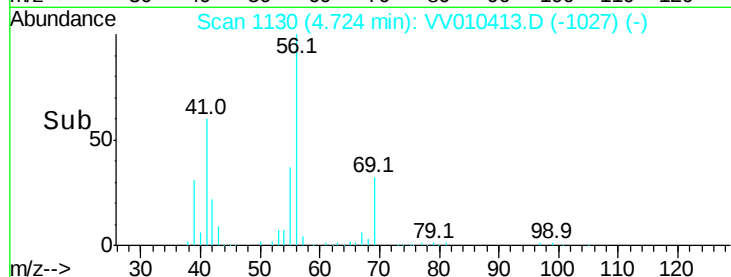
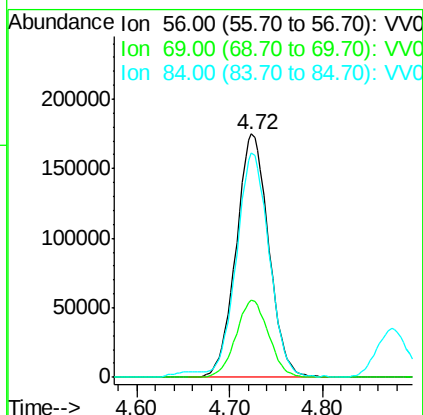
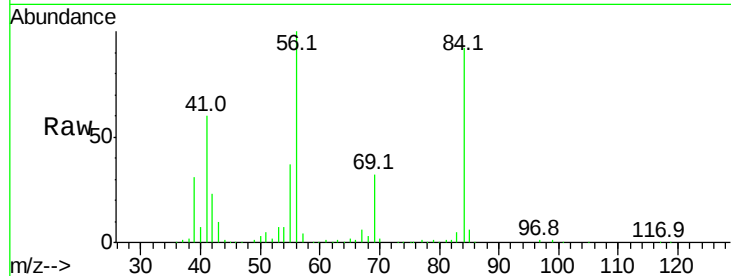




#30
Cyclohexane
Concen: 46.274 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

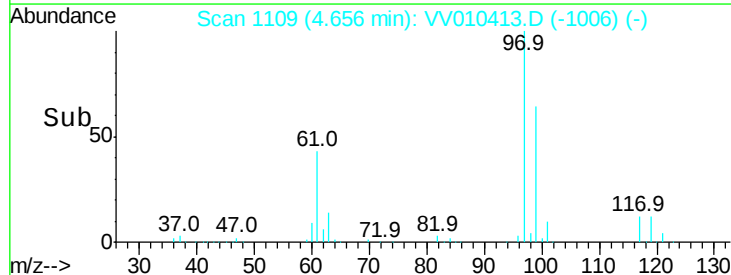
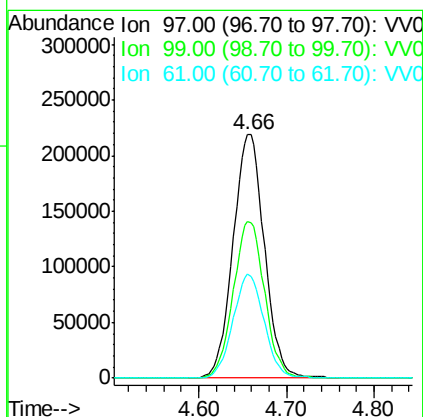
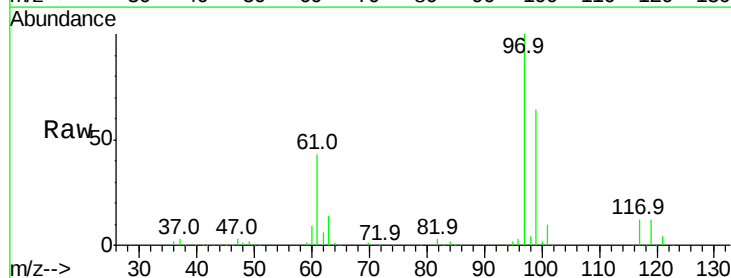
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

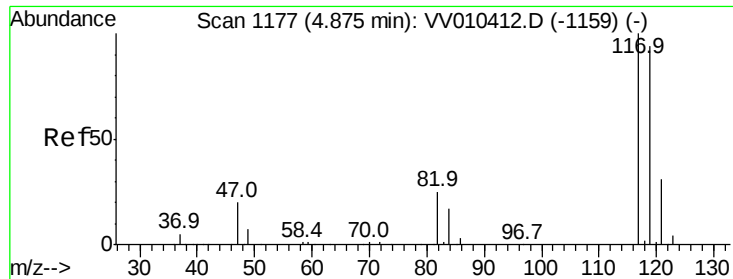
Tgt Ion: 56 Resp: 426934
Ion Ratio Lower Upper
56 100
69 31.7 25.9 38.9
84 91.4 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 49.043 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion: 97 Resp: 544295
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 42.4 34.5 51.7





#32

Carbon tetrachloride

Concen: 48.566 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

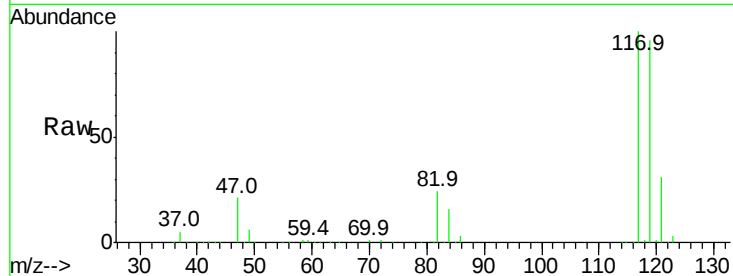
VSTD05080

Tgt Ion:117 Resp: 508568

Ion Ratio Lower Upper

117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

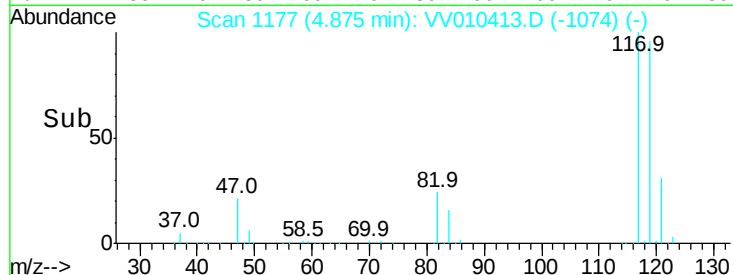
100000

50000

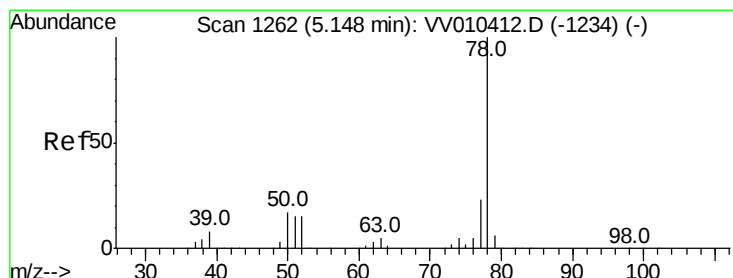
0

4.87

4.80 4.90 5.00



Time-->



#34

Benzene

Concen: 44.872 ug/L

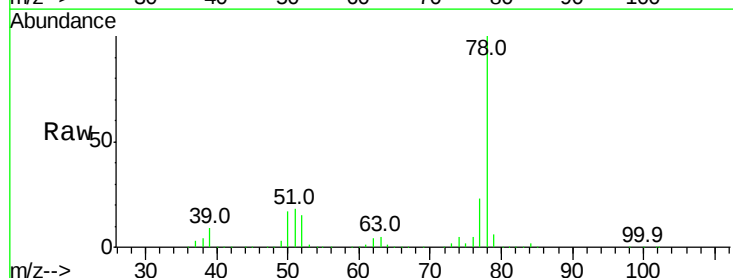
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Tgt Ion: 78 Resp: 1102311



Abundance Ion 78.00 (77.70 to 78.70): VV0

600000

500000

400000

300000

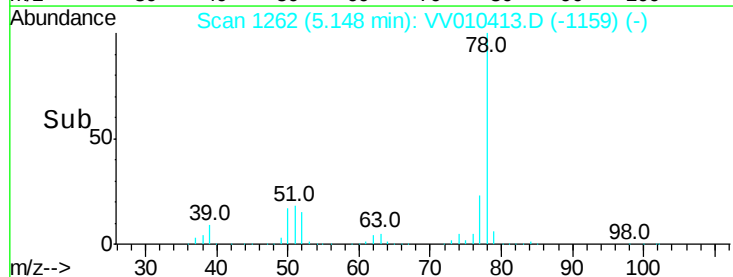
200000

100000

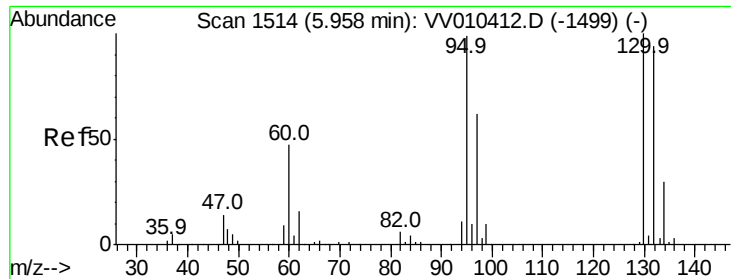
0

5.15

5.00 5.10 5.20



Time-->



#35

Trichloroethene

Concen: 45.813 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampled :

VSTD05080

Tgt Ion: 95 Resp: 332968

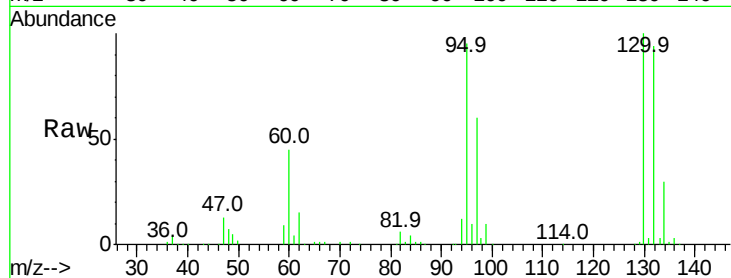
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.4

132 99.6 69.0 128.1

130 103.9 71.5 132.7

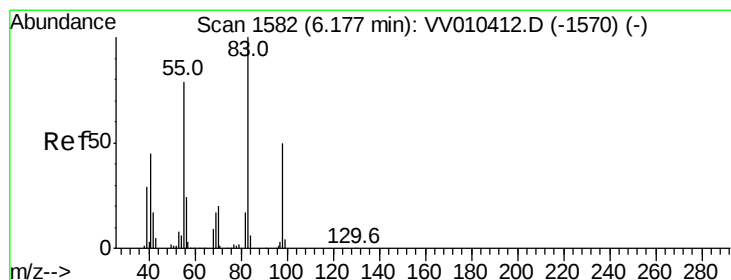
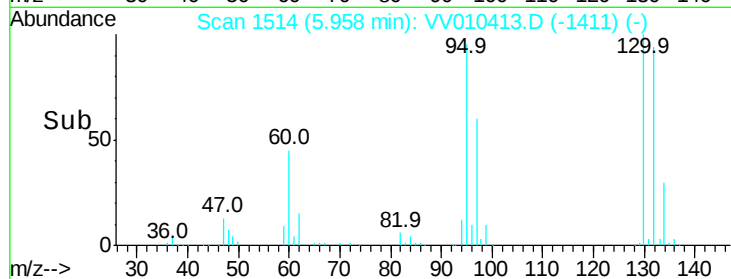
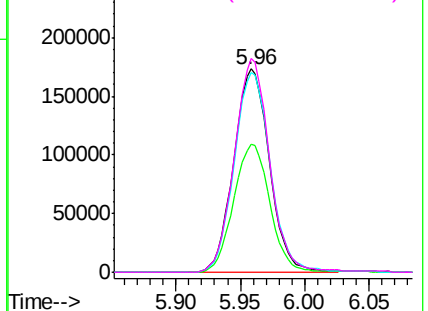


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 46.426 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

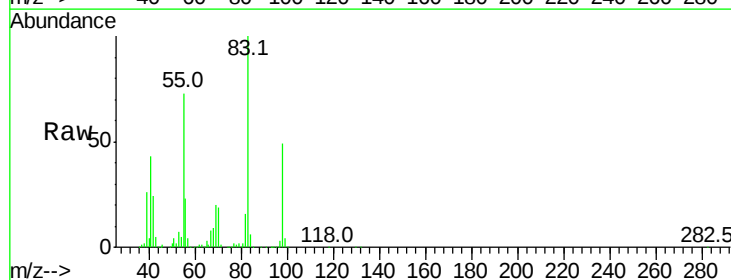
Tgt Ion: 83 Resp: 491334

Ion Ratio Lower Upper

83 100

55 72.9 59.6 89.4

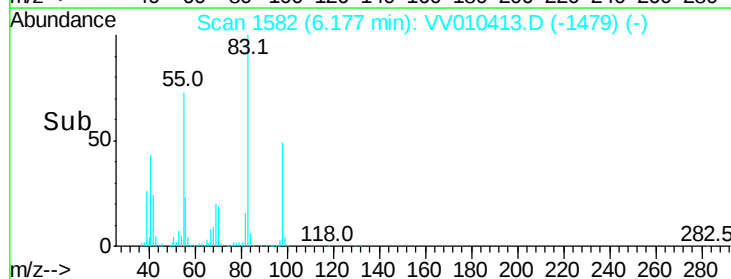
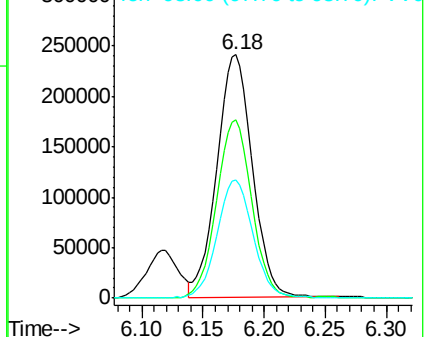
98 48.9 38.0 57.0

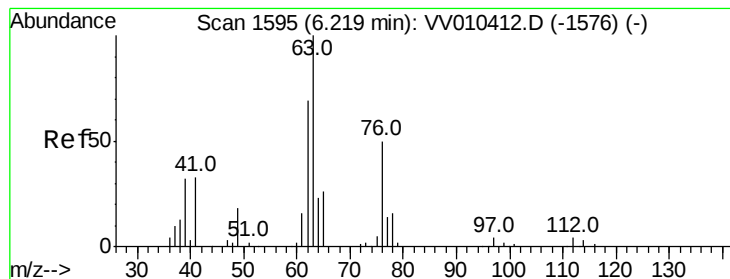


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 44.783 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

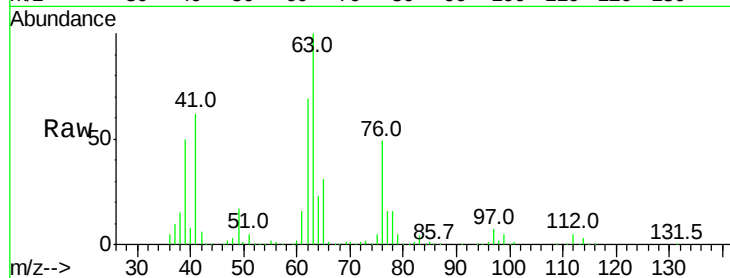
VSTD05080

Tgt Ion: 63 Resp: 282162

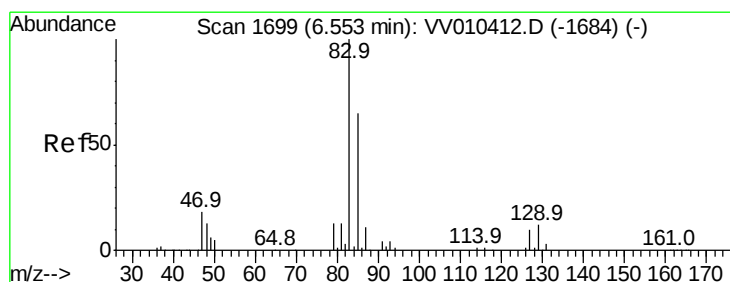
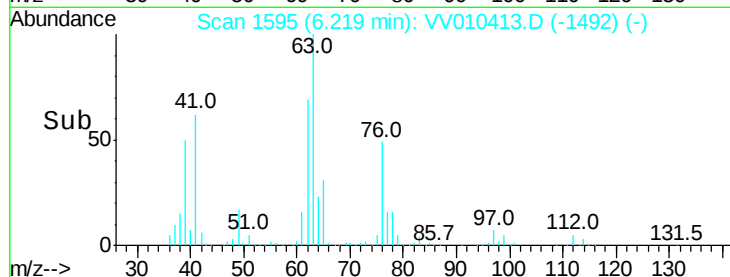
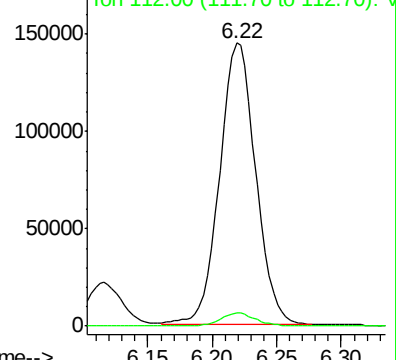
Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV010413.D (-1596) (-)



#41

Bromodichloromethane

Concen: 49.812 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

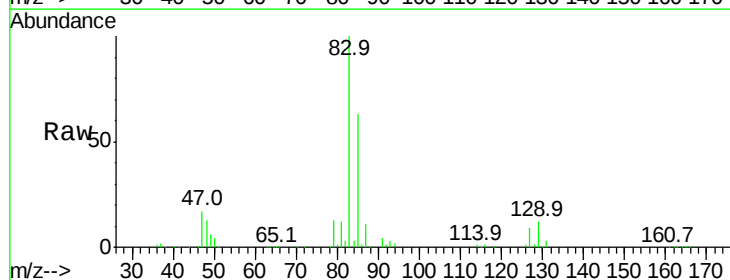
Tgt Ion: 83 Resp: 440420

Ion Ratio Lower Upper

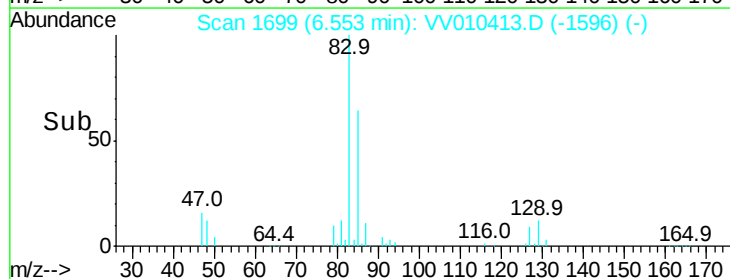
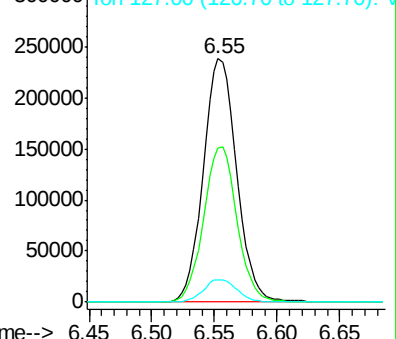
83 100

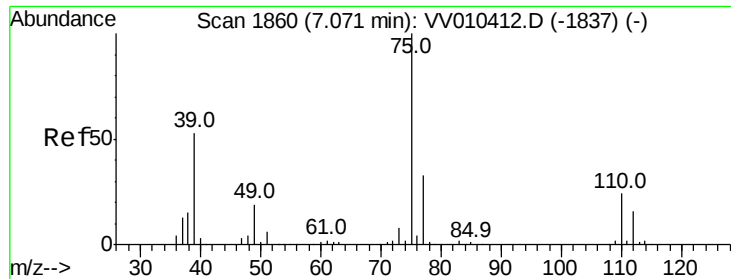
85 63.2 45.1 83.9

127 9.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VV010413.D (-1596) (-)



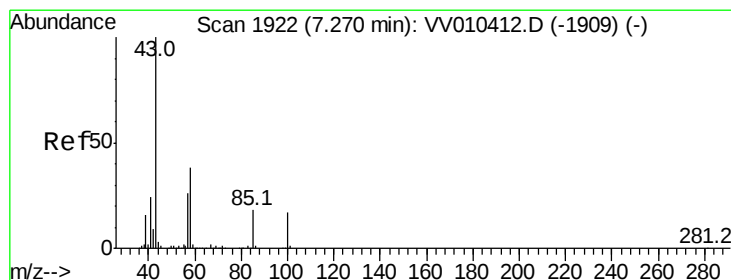
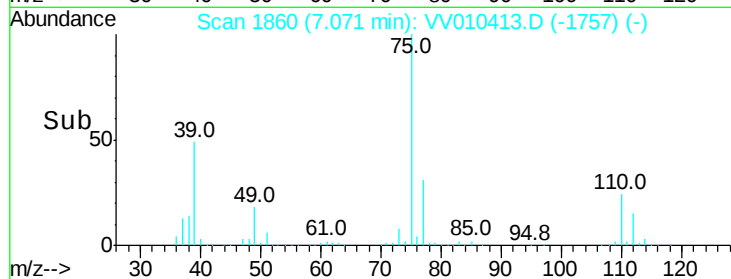
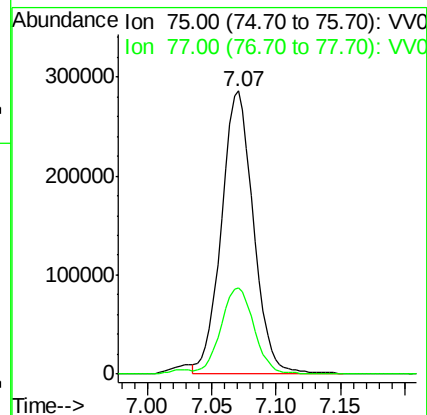
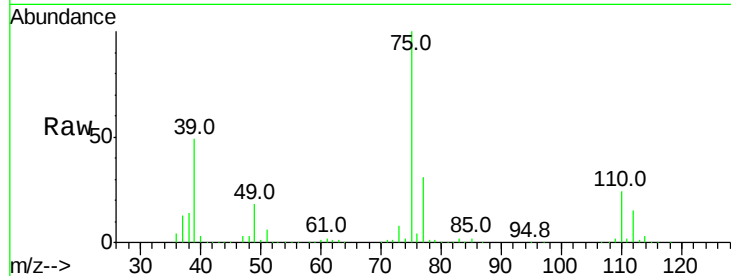


#42

cis-1,3-Dichloropropene
Concen: 51.554 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

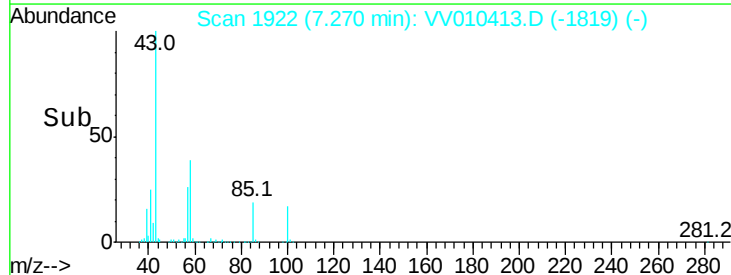
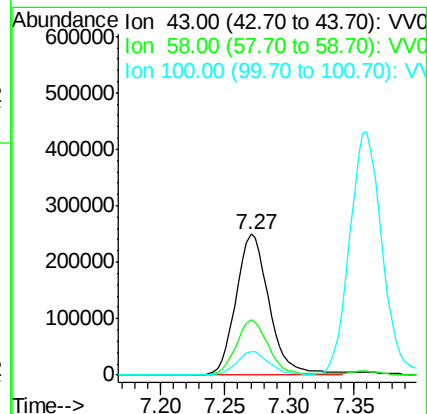
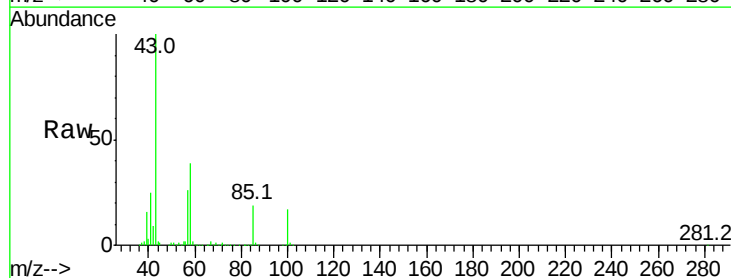
Tgt Ion: 75 Resp: 489901
Ion Ratio Lower Upper
75 100
77 30.6 22.9 42.5

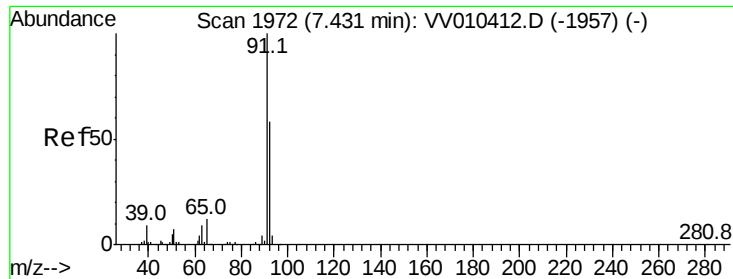


#43

4-Methyl-2-pentanone
Concen: 90.920 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion: 43 Resp: 447567
Ion Ratio Lower Upper
43 100
58 38.4 30.2 45.2
100 16.3 12.9 19.3





#44

Toluene

Concen: 48.136 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

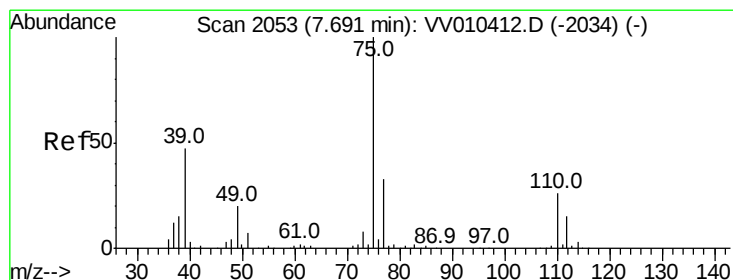
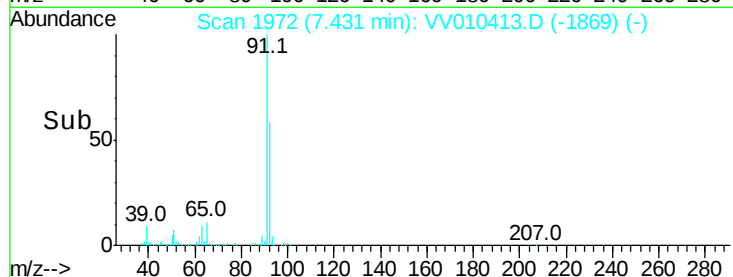
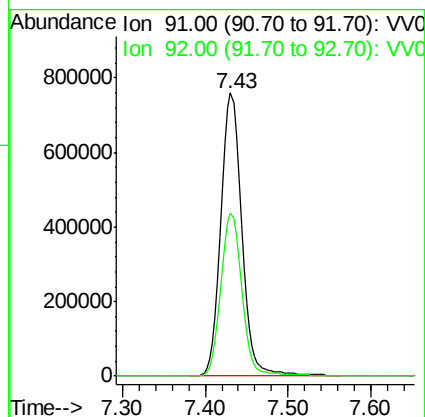
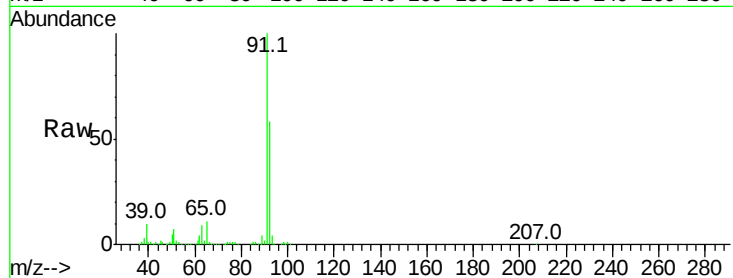
VSTD05080

Tgt Ion: 91 Resp: 1333096

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 50.332 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010413.D

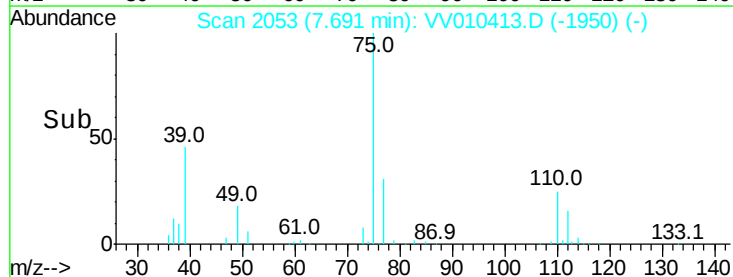
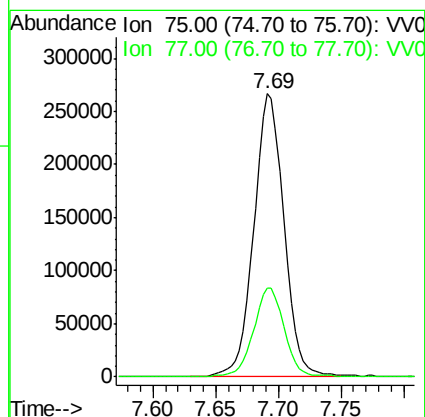
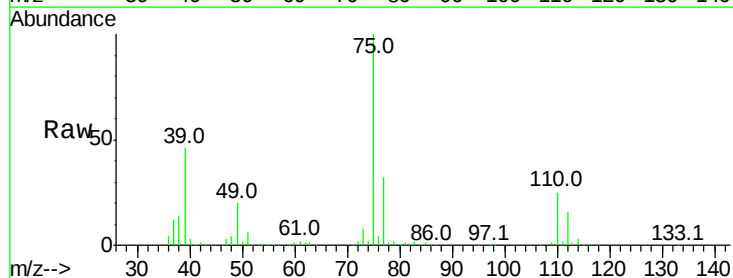
Acq: 22 Apr 2019 14:01

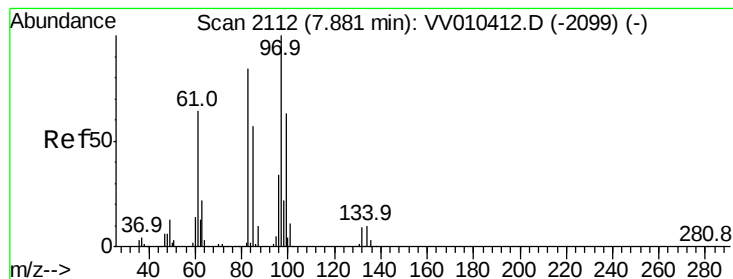
Tgt Ion: 75 Resp: 445928

Ion Ratio Lower Upper

75 100

77 31.6 23.1 42.9





#46

1,1,2-Trichloroethane

Concen: 44.810 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tgt Ion: 97 Resp: 254355

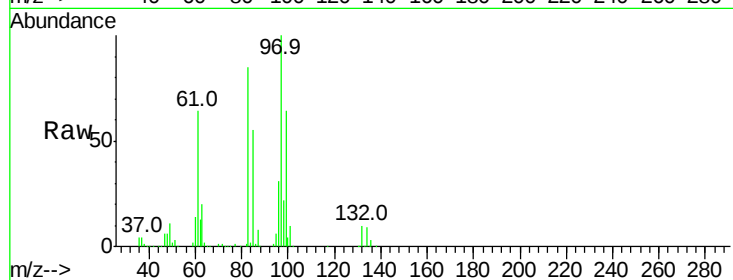
Ion Ratio Lower Upper

97 100

83 84.6 58.9 109.3

85 54.6 40.2 74.6

99 64.2 44.1 81.9

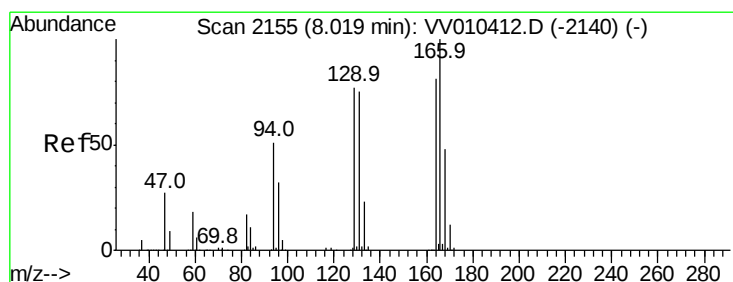
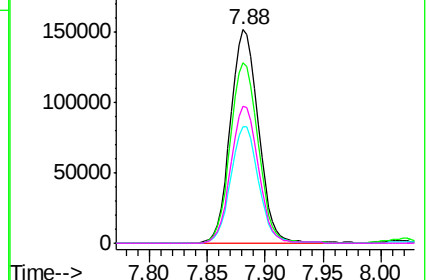
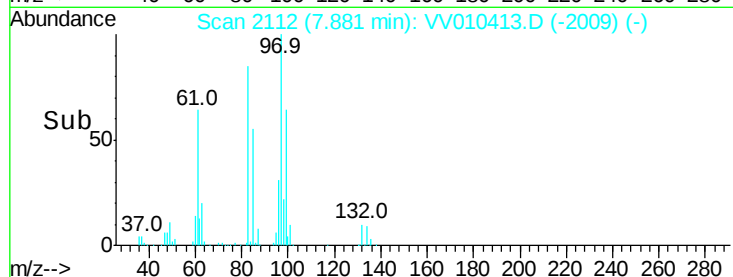


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 44.434 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Tgt Ion: 164 Resp: 288159

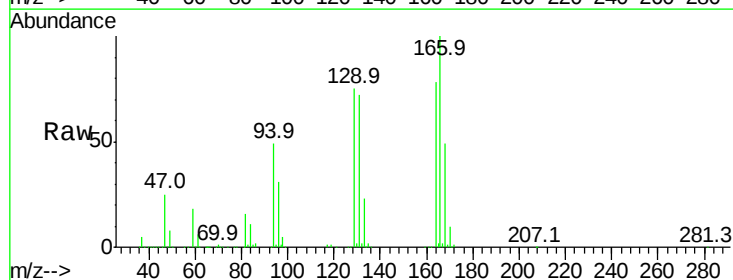
Ion Ratio Lower Upper

164 100

129 95.7 67.1 124.5

131 91.8 64.6 120.0

166 128.3 86.7 160.9

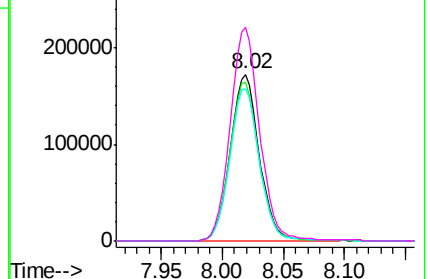
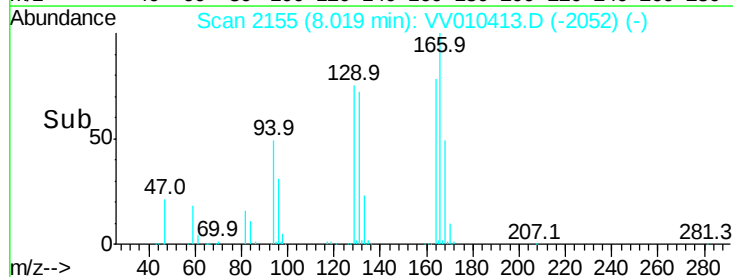


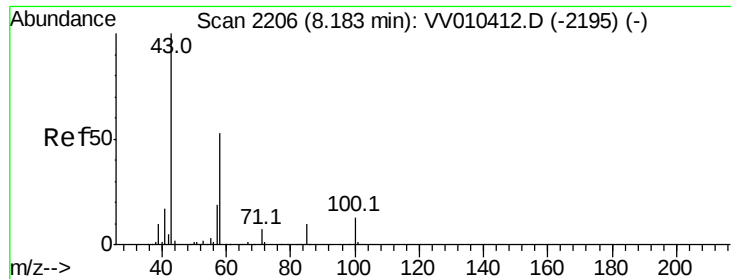
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

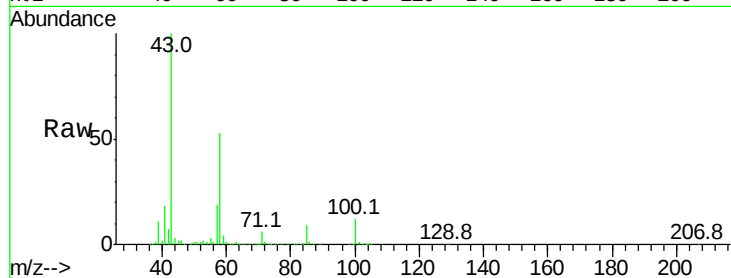




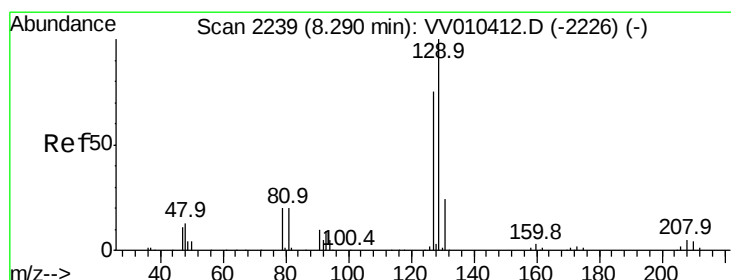
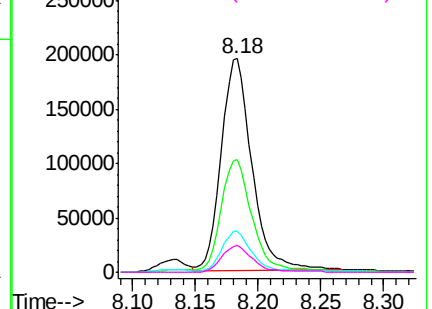
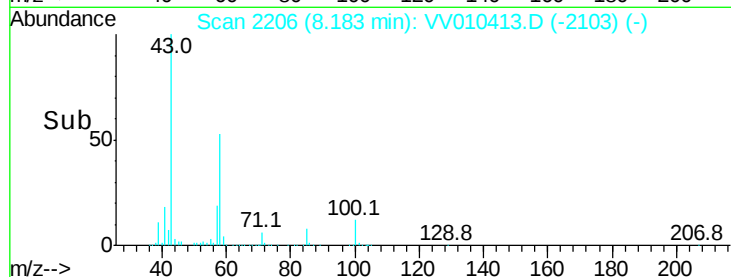
#49
2-Hexanone
Concen: 95.835 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion: 43 Resp: 330212
Ion Ratio Lower Upper
43 100
58 53.5 37.6 56.4
57 18.1 15.8 23.8
100 12.8 9.2 13.8

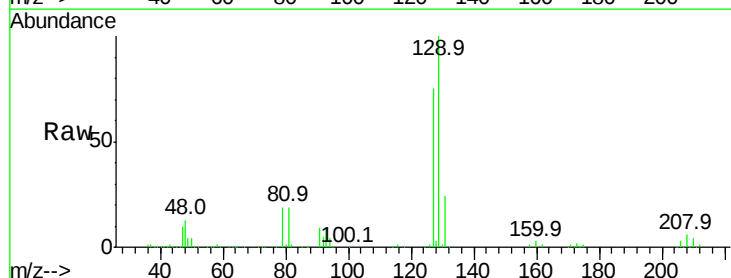


Abundance Ion 43.00 (42.70 to 43.70): VV010413.D (-2103) (-)
Ion 58.00 (57.70 to 58.70): VV010413.D (-2103) (-)
Ion 57.00 (56.70 to 57.70): VV010413.D (-2103) (-)
Ion 100.00 (99.70 to 100.70): VV010413.D (-2103) (-)

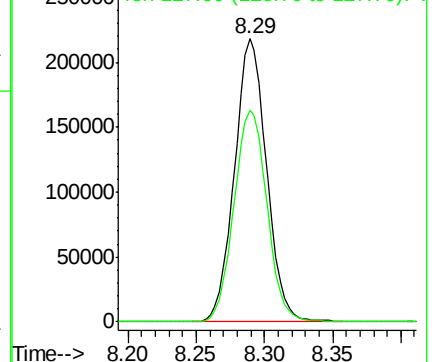
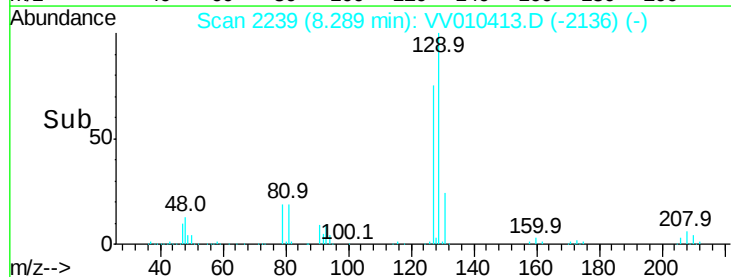


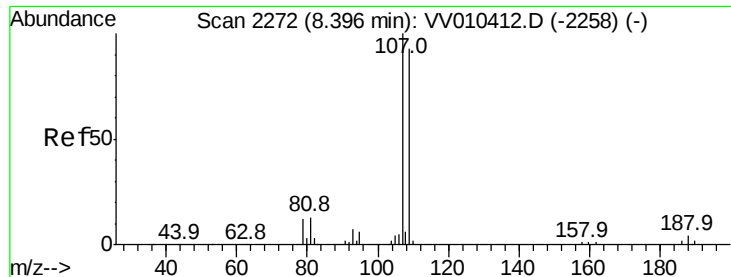
#50
Dibromochloromethane
Concen: 51.119 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion: 129 Resp: 356266
Ion Ratio Lower Upper
129 100
127 74.6 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): VV010413.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010413.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 46.826 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

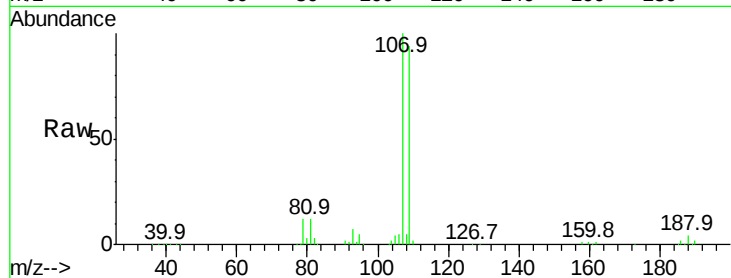
Tgt Ion:107 Resp: 263590

Ion Ratio Lower Upper

107 100

109 94.1 64.9 120.5

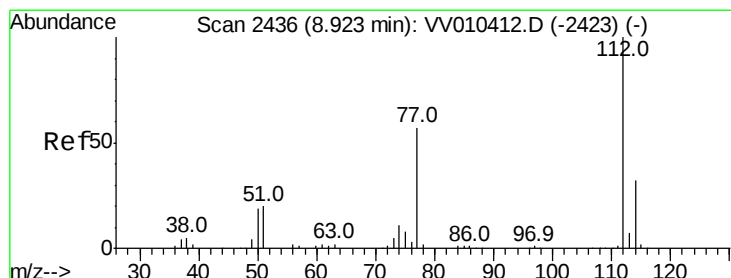
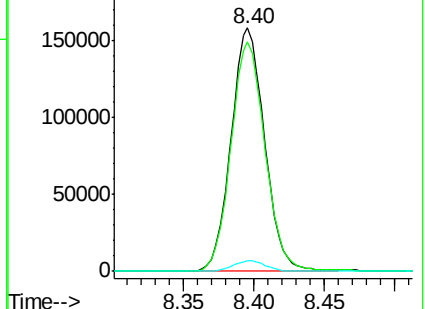
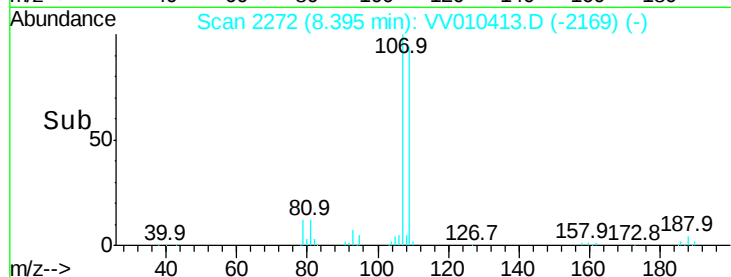
188 4.4 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 48.616 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

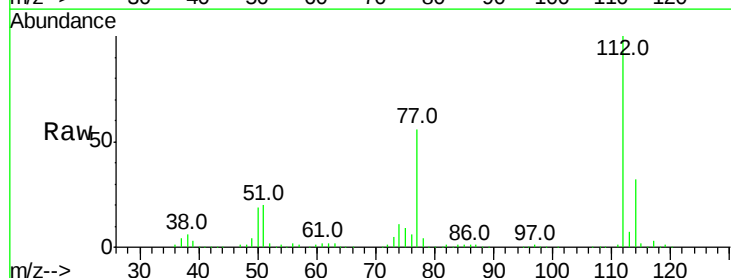
Tgt Ion:112 Resp: 936818

Ion Ratio Lower Upper

112 100

77 55.7 46.2 69.2

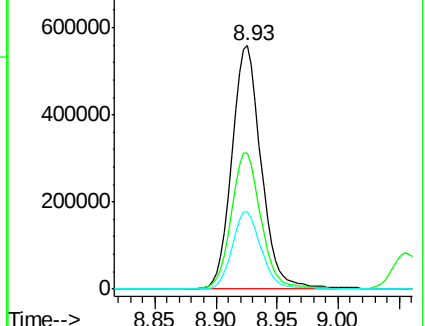
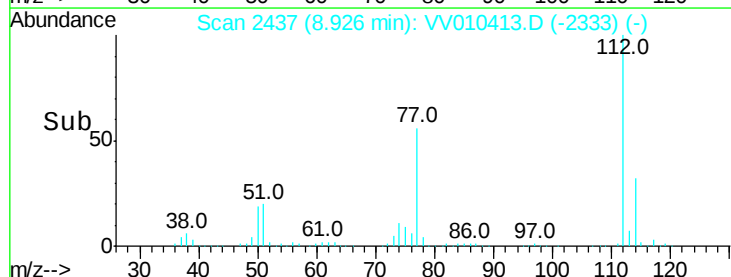
114 31.7 22.5 41.7

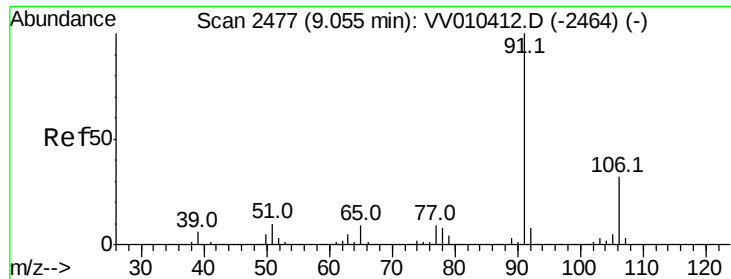


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

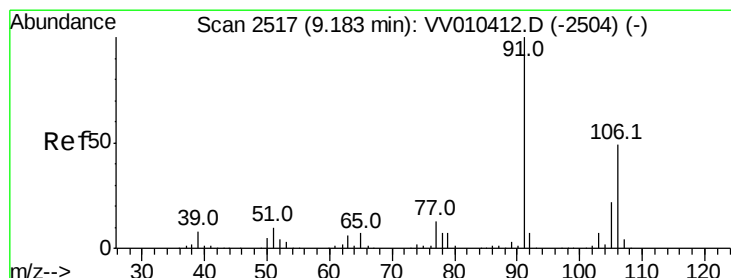
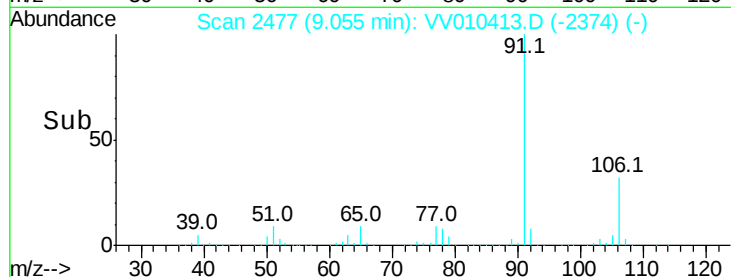
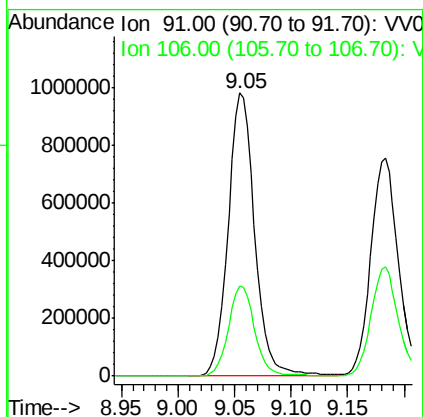
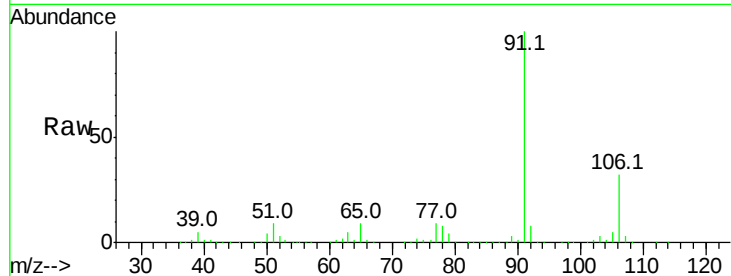




#53
Ethylbenzene
Concen: 51.064 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

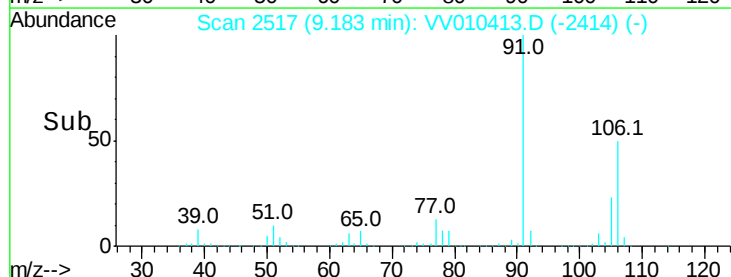
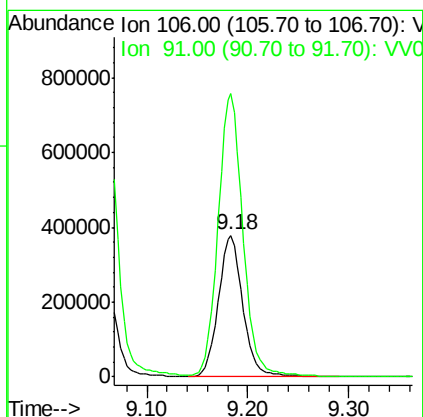
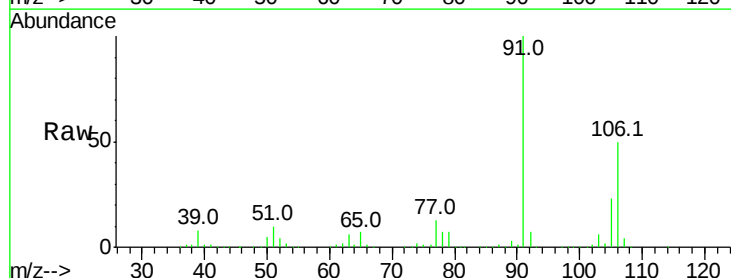
Instrument :
MSVOA_V
ClientSampled :
VSTD05080

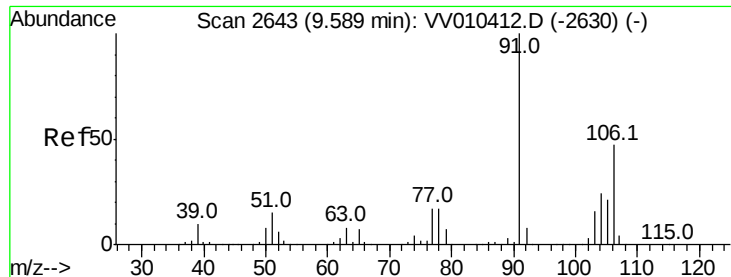
Tgt Ion: 91 Resp: 1606648
Ion Ratio Lower Upper
91 100
106 31.8 22.5 41.9



#54
m,p-Xylene
Concen: 52.900 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion: 106 Resp: 644301
Ion Ratio Lower Upper
106 100
91 200.2 142.5 264.7

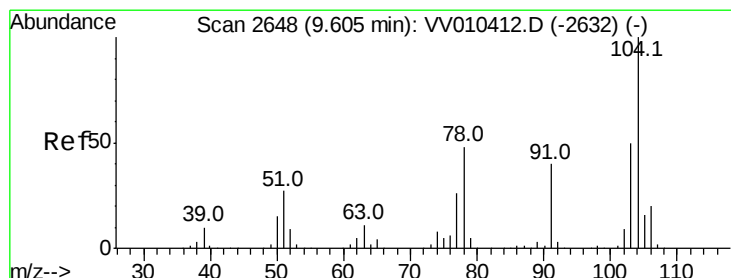
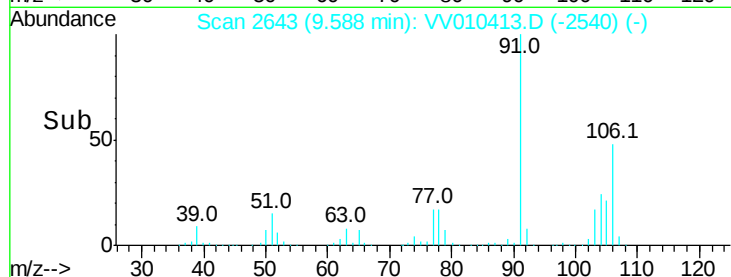
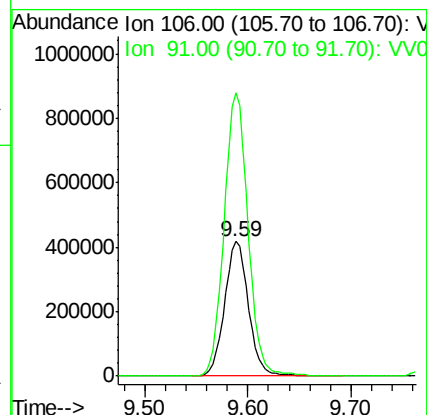
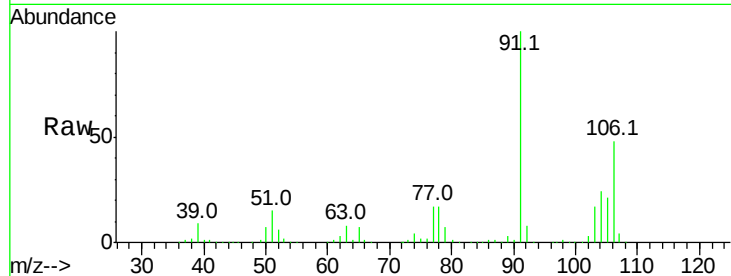




#55
o-xylene
Concen: 57.286 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

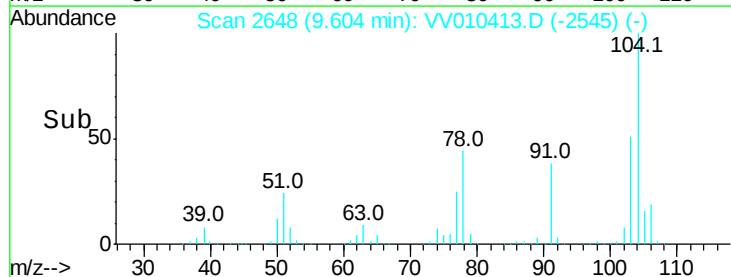
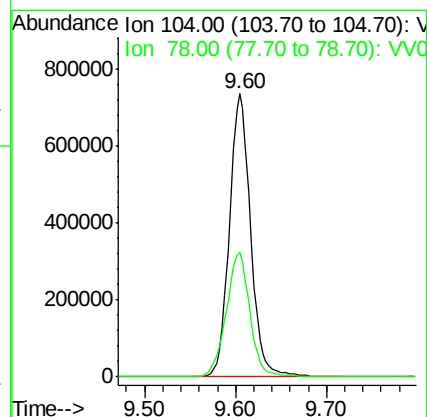
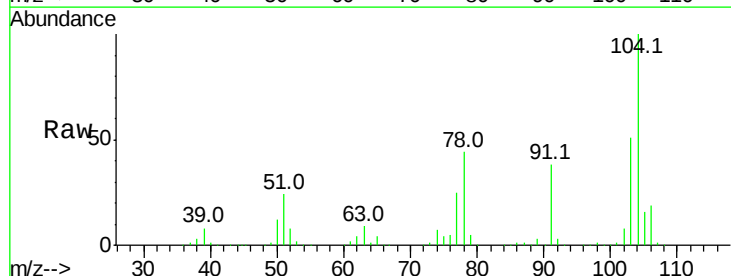
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

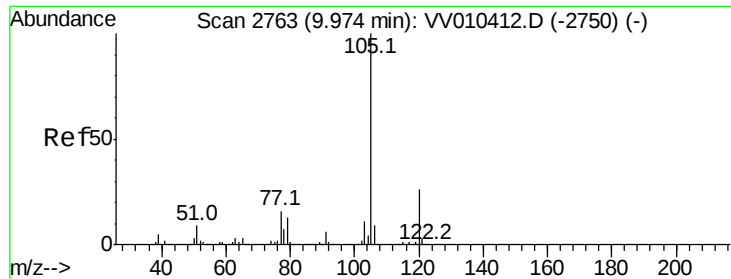
Tgt Ion:106 Resp: 672895
Ion Ratio Lower Upper
106 100
91 209.9 148.5 275.9



#56
Styrene
Concen: 59.337 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV010413.D
Acq: 22 Apr 2019 14:01

Tgt Ion:104 Resp: 1190149
Ion Ratio Lower Upper
104 100
78 44.0 33.3 61.9





#57

Isopropylbenzene

Concen: 59.060 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

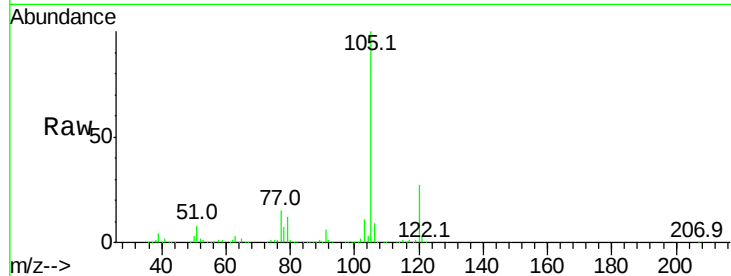
Tgt Ion:105 Resp: 1848563

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

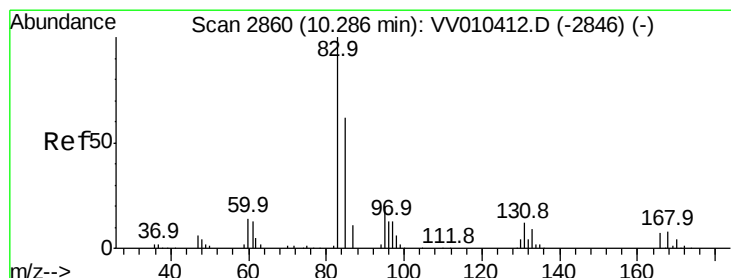
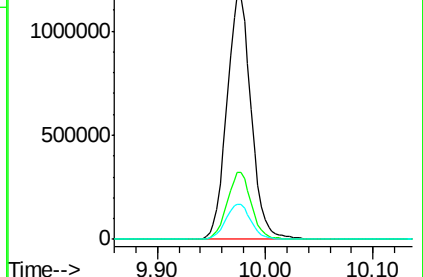
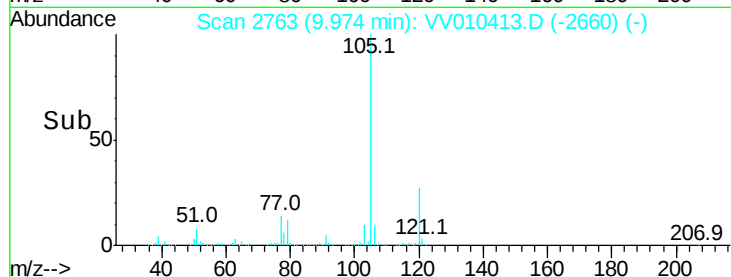
77 14.9 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.067 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

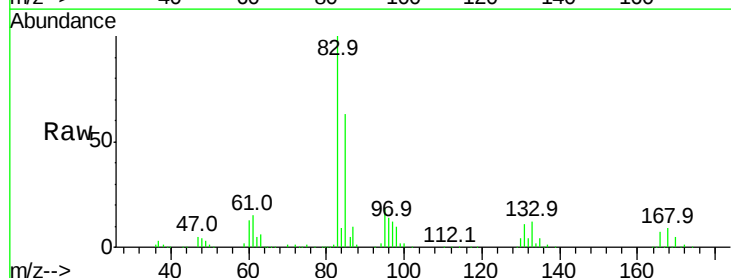
Tgt Ion: 83 Resp: 352808

Ion Ratio Lower Upper

83 100

85 62.8 43.6 81.0

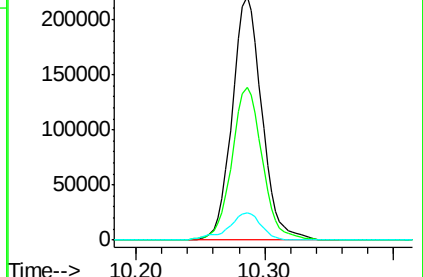
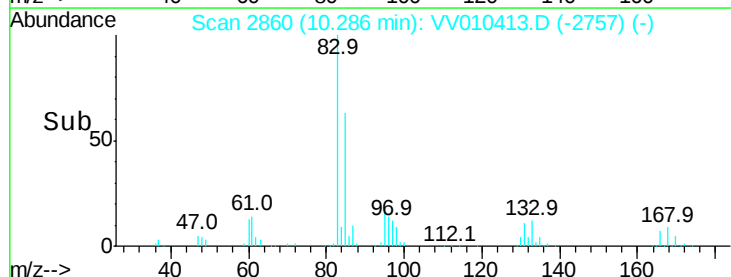
131 11.3 9.8 14.6

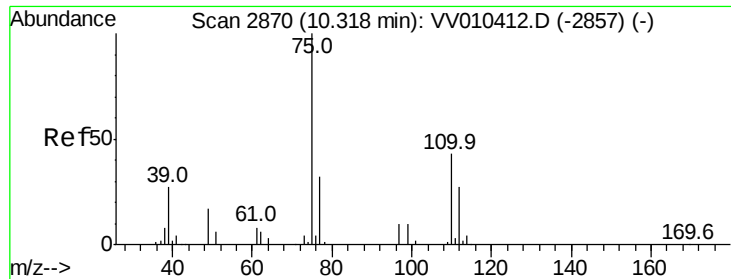


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

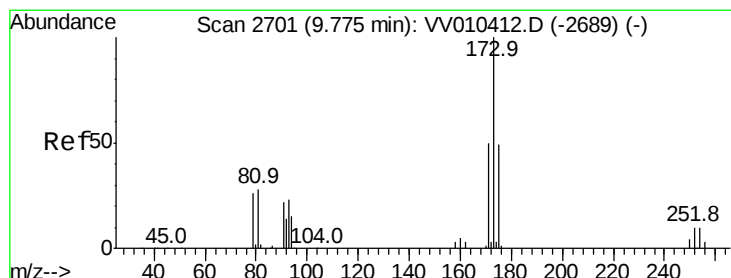
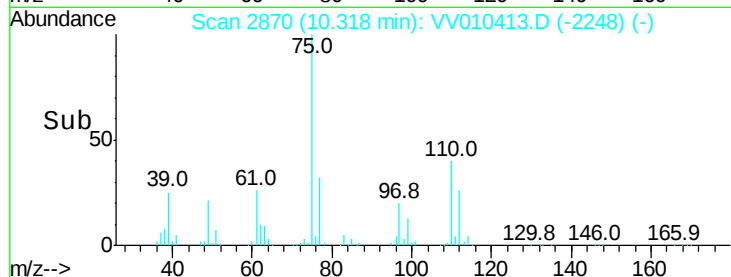
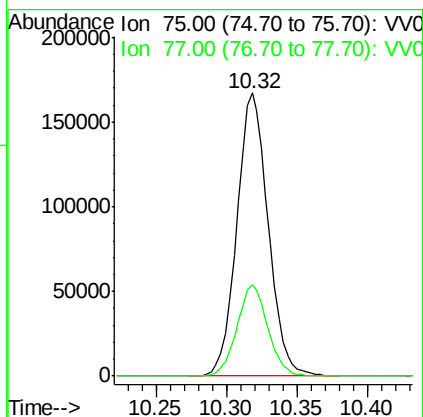
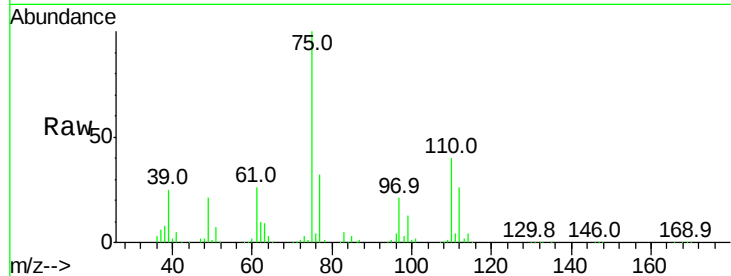




#59
 1,2,3-Trichloropropane
 Concen: 48.912 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

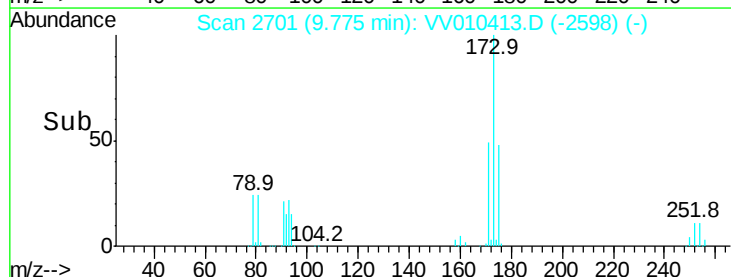
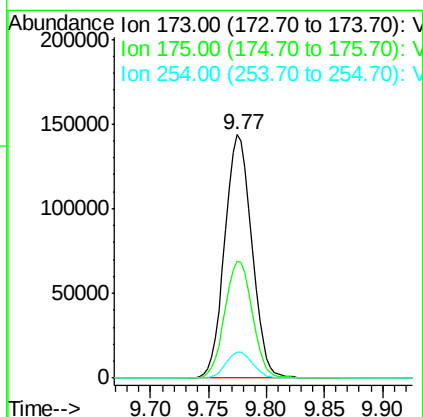
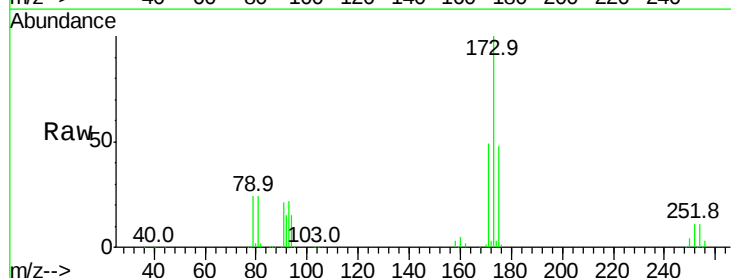
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

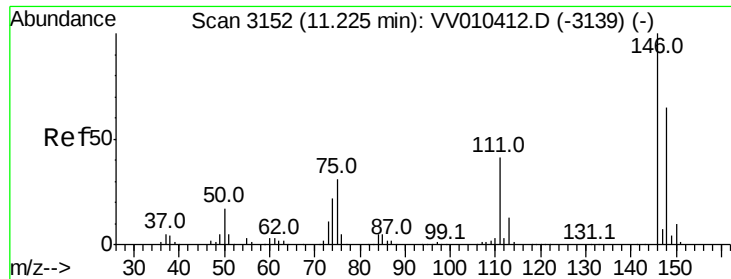
Tgt Ion: 75 Resp: 259965
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#62
 Bromoform
 Concen: 52.290 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

Tgt Ion: 173 Resp: 232482
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.3 58.9
 254 10.5 8.2 12.4

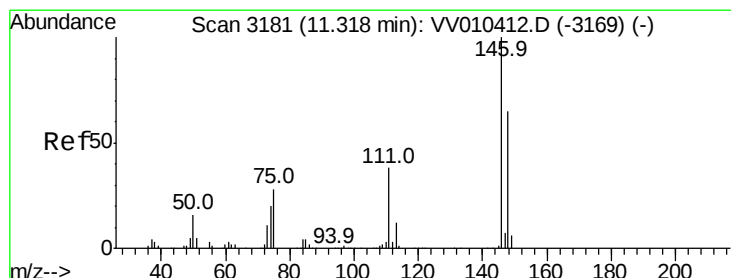
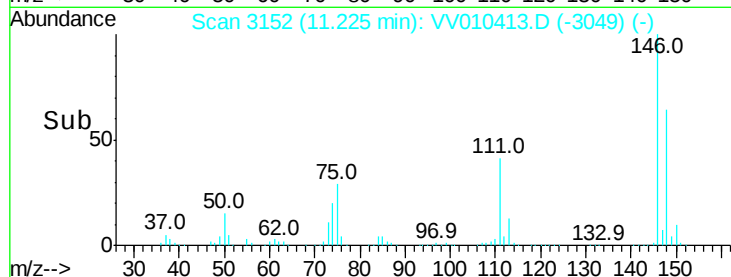
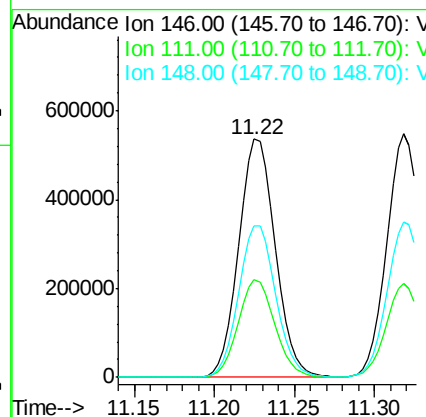
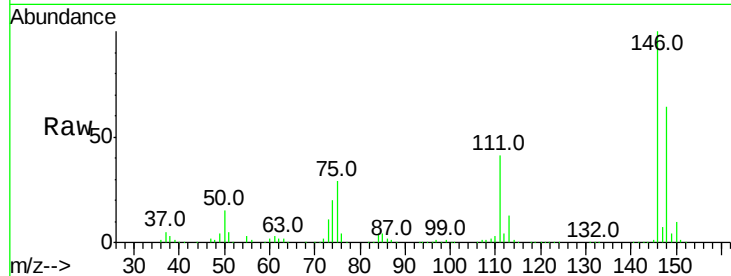




#63
 1,3-Dichlorobenzene
 Concen: 47.557 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

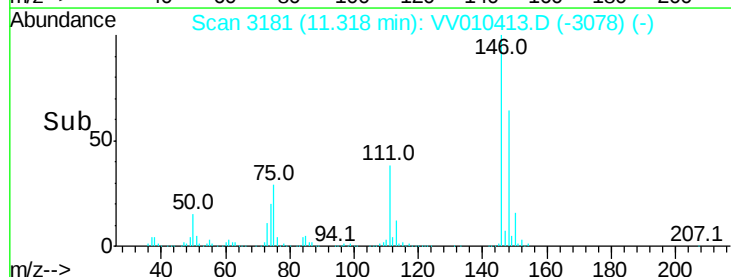
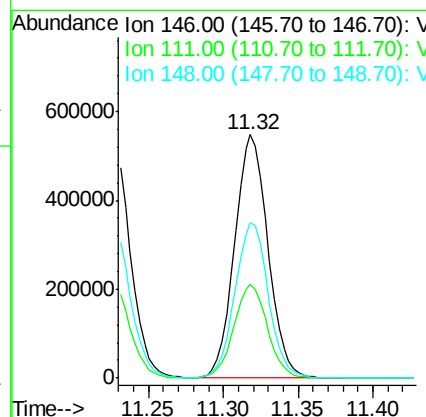
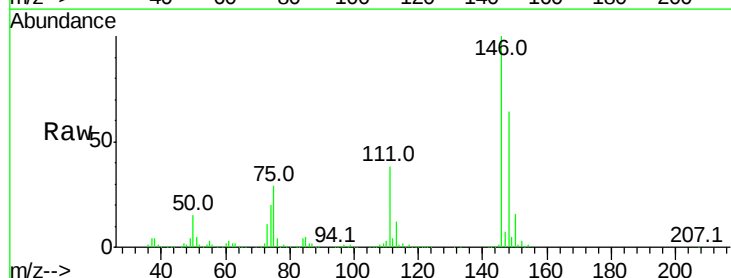
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

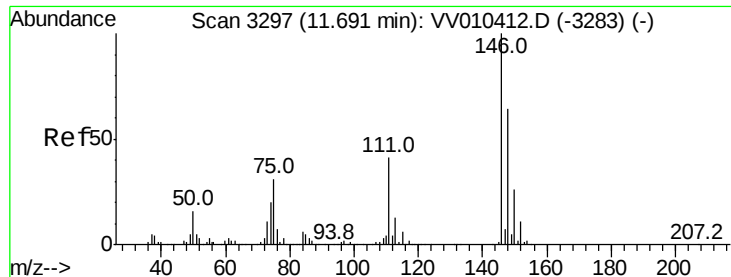
Tgt Ion:146 Resp: 834131
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.8 53.4
 148 63.7 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 46.851 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

Tgt Ion:146 Resp: 847248
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.9 49.9
 148 64.0 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 51.161 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

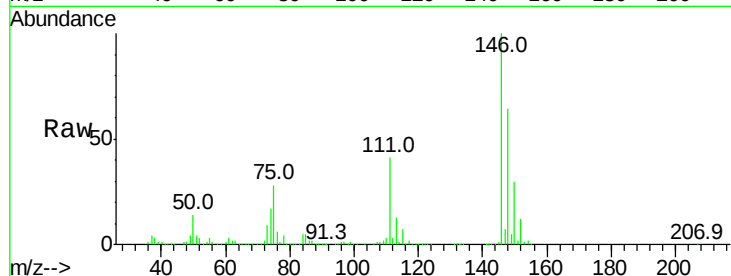
Tgt Ion:146 Resp: 866386

Ion Ratio Lower Upper

146 100

111 40.5 32.9 49.3

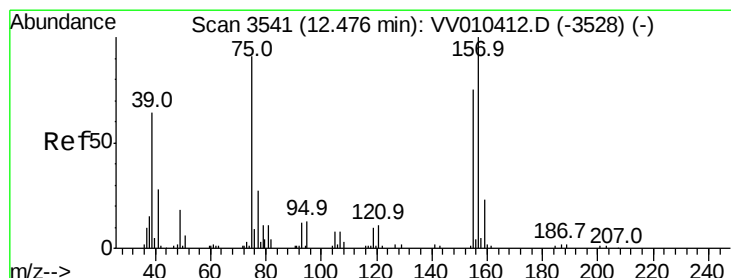
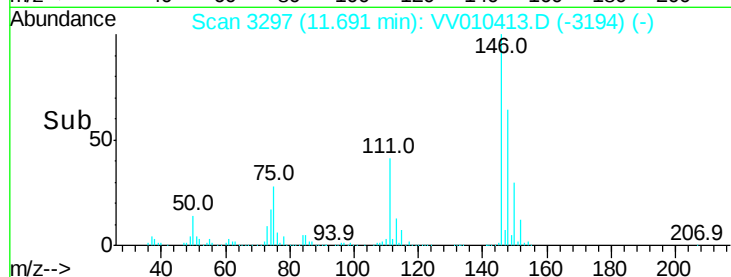
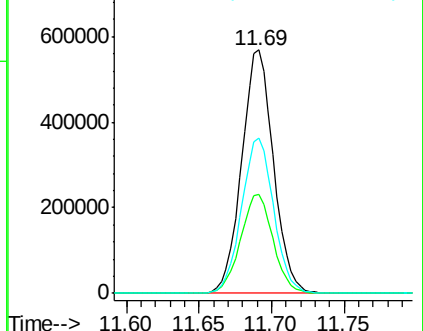
148 63.7 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 44.330 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

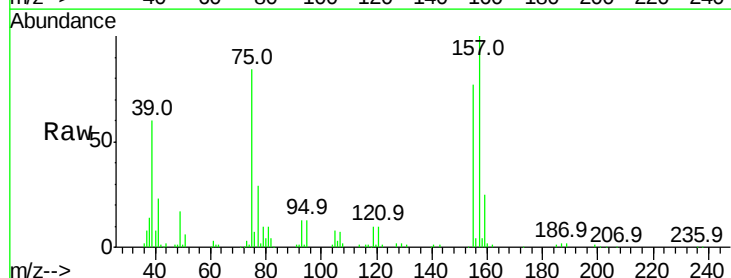
Tgt Ion: 75 Resp: 59996

Ion Ratio Lower Upper

75 100

157 119.0 88.2 132.2

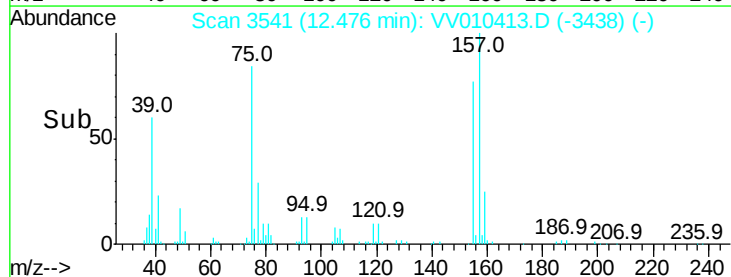
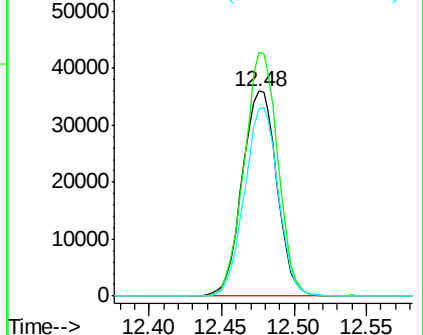
155 91.4 66.4 99.6

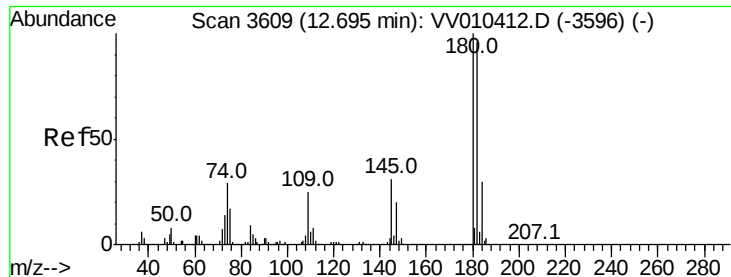


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

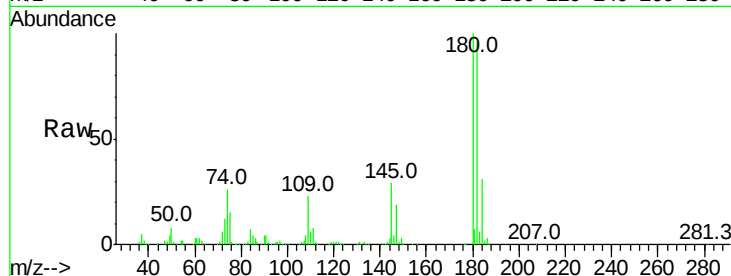




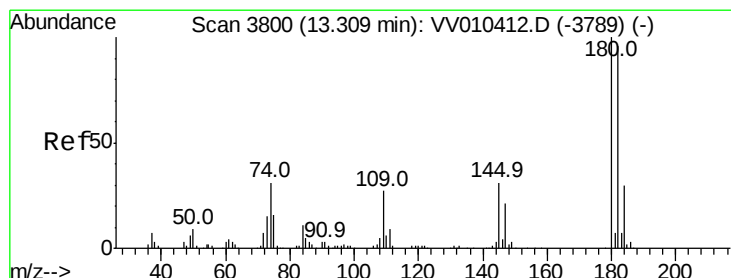
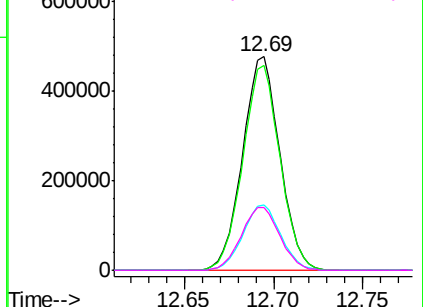
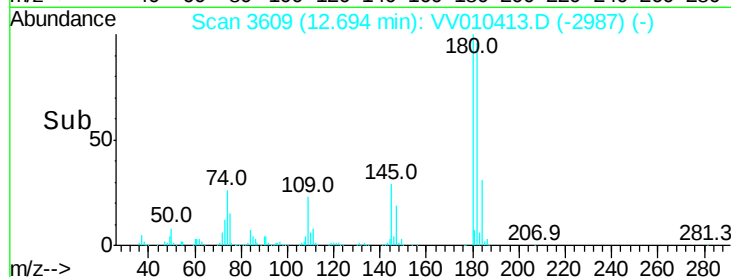
#67
 1,3,5-Trichlorobenzene
 Concen: 47.921 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tgt Ion:	180	Resp:	699070
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.2
184	30.9	24.1	36.1
145	30.5	24.5	36.7

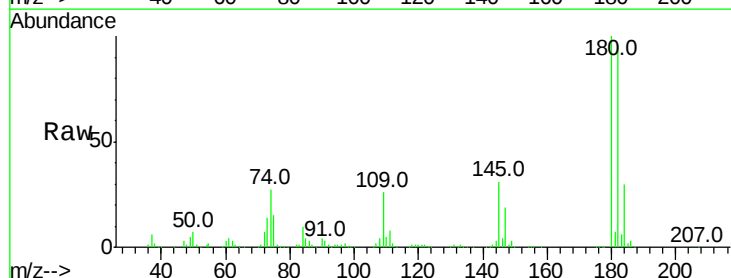


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

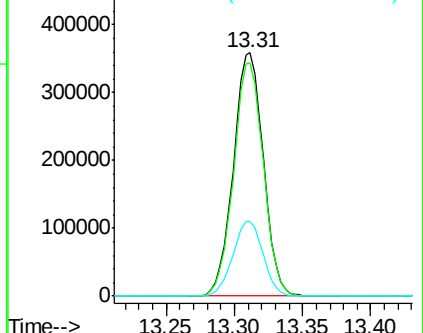
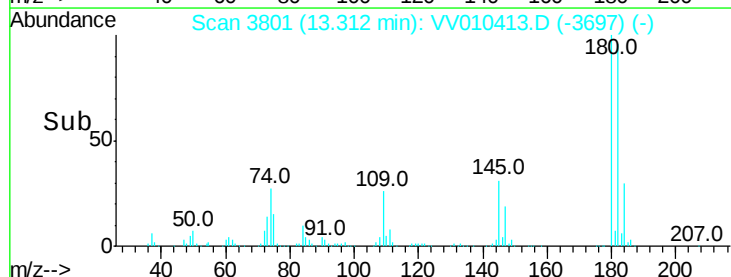


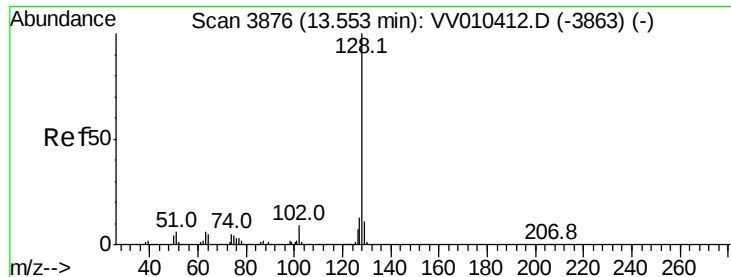
#68
 1,2,4-trichlorobenzene
 Concen: 46.837 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010413.D
 Acq: 22 Apr 2019 14:01

Tgt Ion:	180	Resp:	546039
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	30.9	25.1	37.7



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





#69

Naphthalene

Concen: 44.839 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

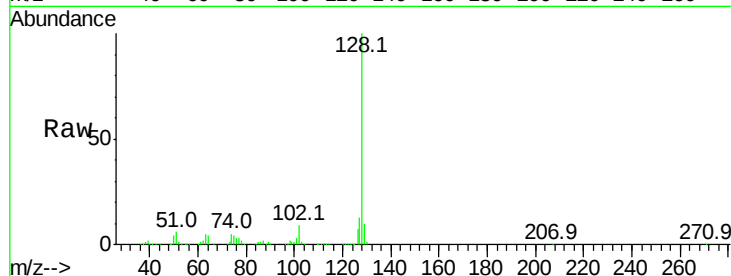
Tgt Ion:128 Resp: 965371

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

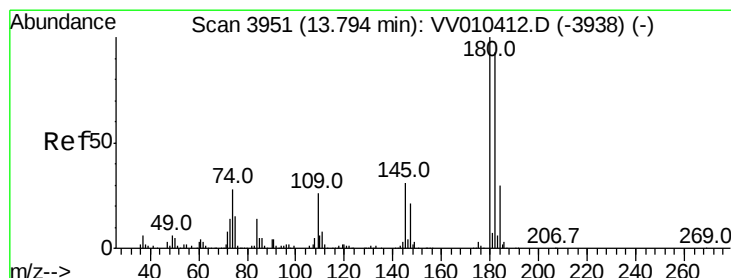
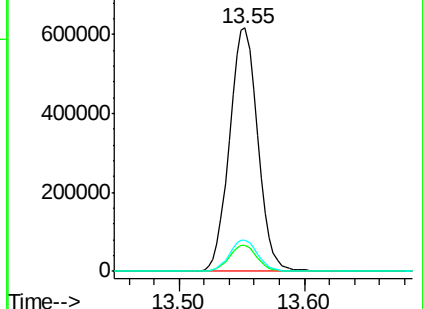
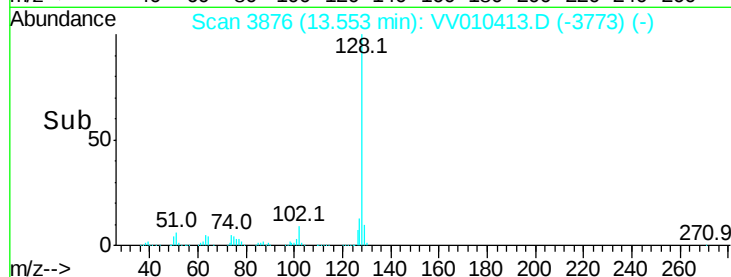
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 45.407 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010413.D

Acq: 22 Apr 2019 14:01

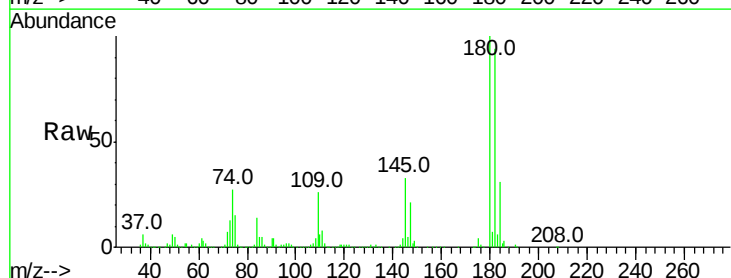
Tgt Ion:180 Resp: 514402

Ion Ratio Lower Upper

180 100

182 94.2 76.6 114.8

145 32.6 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

