

Data File : VV019420.D
Acq On : 23 Nov 2020 13:41
Operator : SY/MD
Sample : VSTD10067
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Quant Time: Nov 23 14:06:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 14:01:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	379451	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	391586	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	226376	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	379323	132.62	ug/L	0.00
7) Chloroethane-d5	1.57	69	305791	131.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	682159	115.91	ug/L	0.00
21) 2-Butanone-d5	3.89	46	518823	351.74	ug/L	0.00
24) Chloroform-d	4.37	84	624859	114.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	406358	107.69	ug/L	0.00
32) Benzene-d6	5.07	84	1209247	119.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	399433	142.49	ug/L	0.00
41) Toluene-d8	7.33	98	1114909	112.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	205653	114.96	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	391438	372.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	541047	141.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	448739	103.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	304607	95.734	ug/L	99
3) Chloromethane	1.25	50	423412	148.930	ug/L	99
5) Vinyl chloride	1.32	62	401679	131.064	ug/L	100
6) Bromomethane	1.52	94	258994	118.190	ug/L	98
8) Chloroethane	1.59	64	255883	132.401	ug/L	99
9) Trichlorofluoromethane	1.76	101	500651	91.065	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	267471	106.744	ug/L	99
12) 1,1-Dichloroethene	2.13	96	280827	109.806	ug/L	91
13) Acetone	2.17	43	357242	284.362	ug/L	99
14) Carbon disulfide	2.30	76	826701	116.904	ug/L	100
15) Methyl Acetate	2.44	43	382444	180.319	ug/L	100
16) Methylene chloride	2.52	84	321661	125.250	ug/L	98
17) trans-1,2-Dichloroethene	2.77	96	289280	117.590	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	961069	121.596	ug/L	100
19) 1,1-Dichloroethane	3.21	63	581461	136.316	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	325984	125.175	ug/L	99
22) 2-Butanone	3.97	43	542987	376.914	ug/L	100
23) Bromochloromethane	4.27	128	166235	110.684	ug/L	98
25) Chloroform	4.40	83	584337	117.780	ug/L	99
27) 1,2-Dichloroethane	5.15	62	469179	111.633	ug/L	99
29) Cyclohexane	4.70	56	456845	134.983	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	488543	94.976	ug/L	99
31) Carbon tetrachloride	4.85	117	419646	90.592	ug/L	100
33) Benzene	5.12	78	1242991	125.832	ug/L	100
34) Trichloroethene	5.93	95	324866	109.044	ug/L	99
35) Methylcyclohexane	6.15	83	423271	114.961	ug/L	98
37) 1,2-Dichloropropane	6.19	63	347908	144.912	ug/L	99
38) Bromodichloromethane	6.53	83	450257	115.375	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	546630	132.802	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	1055381	348.388	ug/L	99

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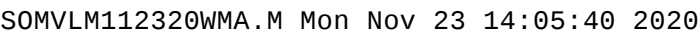
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

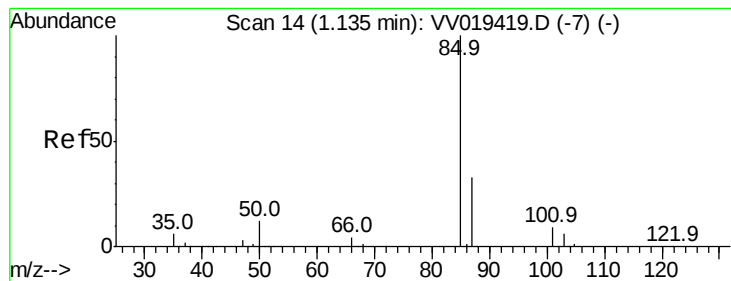
Quant Time: Nov 23 14:06:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 14:01:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1339021	120.504	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	541990	123.622	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	317367	121.869	ug/L	99
46) Tetrachloroethene	7.99	164	237391	90.460	ug/L	98
48) 2-Hexanone	8.15	43	830559	349.839	ug/L	99
49) Dibromochloromethane	8.26	129	360774	107.949	ug/L	99
50) 1,2-Dibromoethane	8.37	107	341027	119.695	ug/L	100
51) Chlorobenzene	8.90	112	841252	110.087	ug/L	98
52) Ethylbenzene	9.03	91	1455055	117.088	ug/L	99
53) m,p-Xylene	9.16	106	543984	113.045	ug/L	97
54) o-xylene	9.56	106	539170	115.862	ug/L	98
55) Styrene	9.58	104	977337	118.757	ug/L	99
56) Isopropylbenzene	9.95	105	1399142	111.975	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	513337	144.258	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	448012	136.643	ug/L	100
61) Bromoform	9.75	173	277591	107.706	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	695192	109.302	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	710591	106.800	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	709725	110.286	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	133631	143.764	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	517220	106.079	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	486687	110.955	ug/L	100
69) Naphthalene	13.52	128	1392208	134.398	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	504796	114.372	ug/L	99

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

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Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
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#2

Dichlorodifluoromethane

Concen: 95.734 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

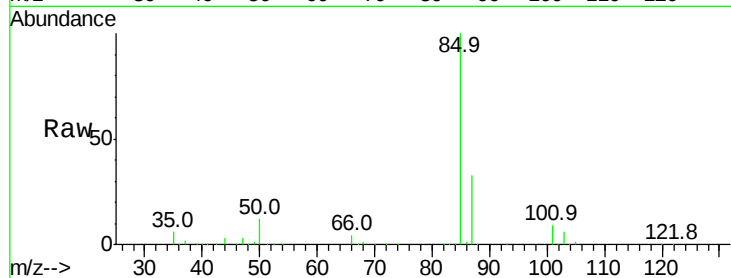
VSTD10061

Tgt Ion: 85 Resp: 304607

Ion Ratio Lower Upper

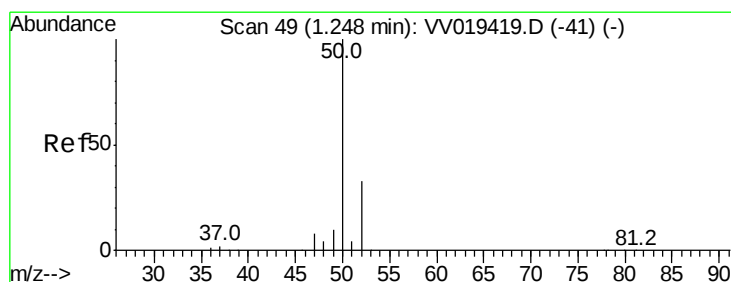
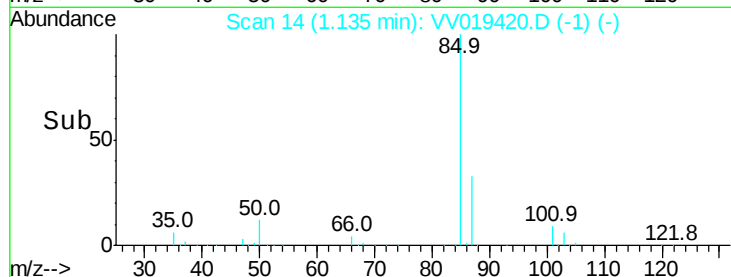
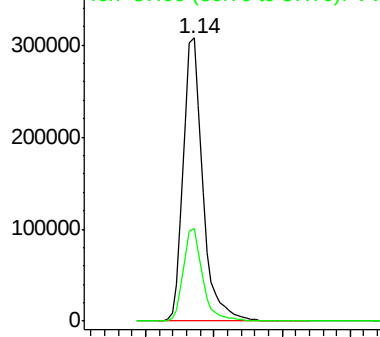
85 100

87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 148.930 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019420.D

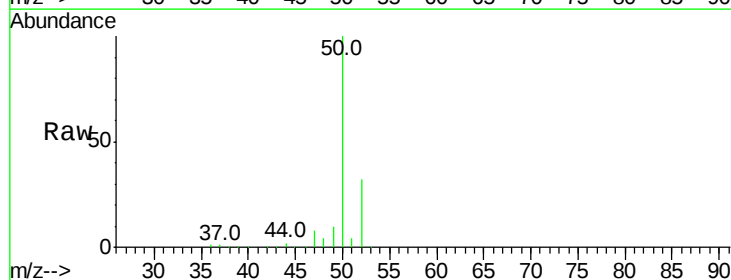
Acq: 23 Nov 2020 13:41

Tgt Ion: 50 Resp: 423412

Ion Ratio Lower Upper

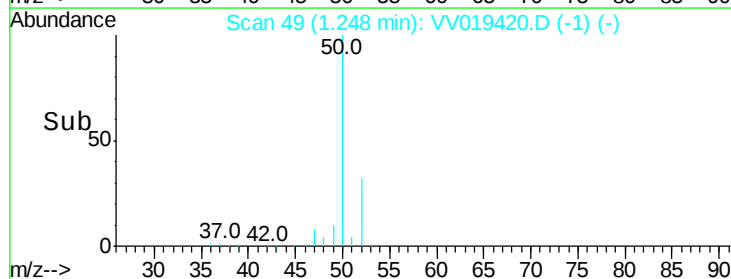
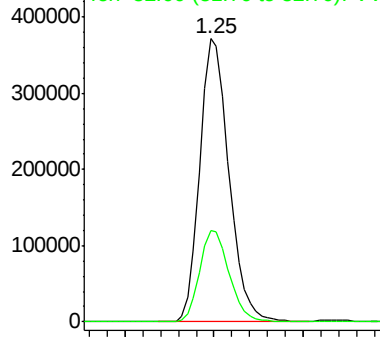
50 100

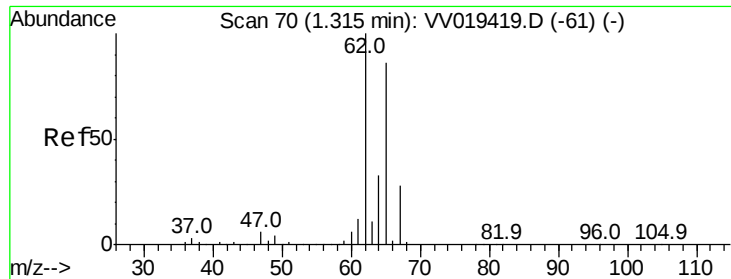
52 32.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 131.064 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

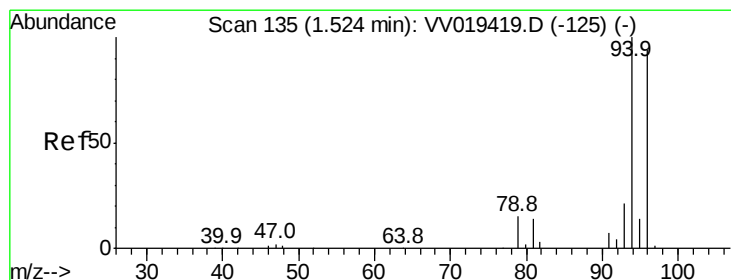
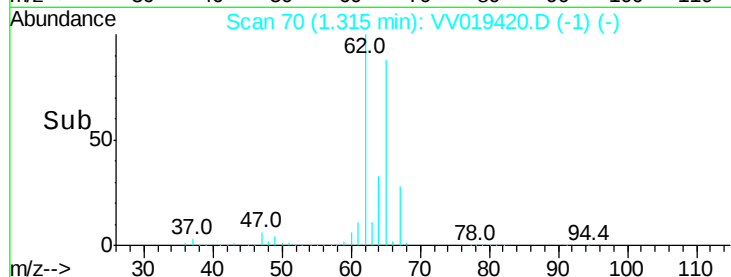
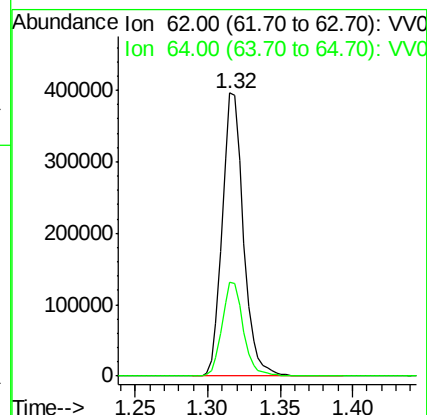
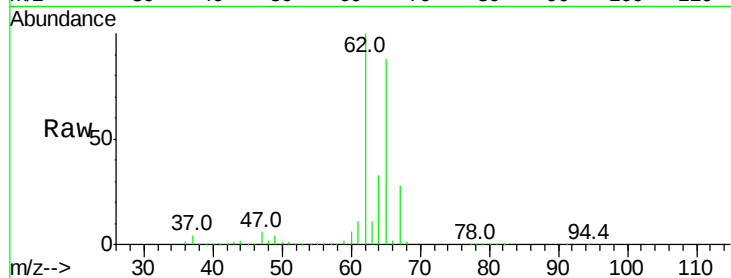
VSTD10061

Tgt Ion: 62 Resp: 401679

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 118.190 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV019420.D

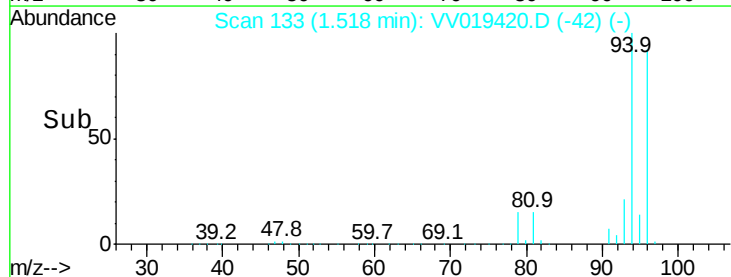
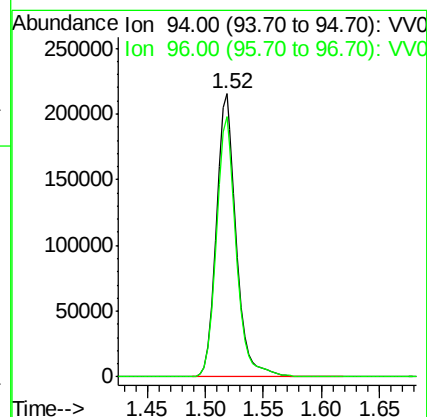
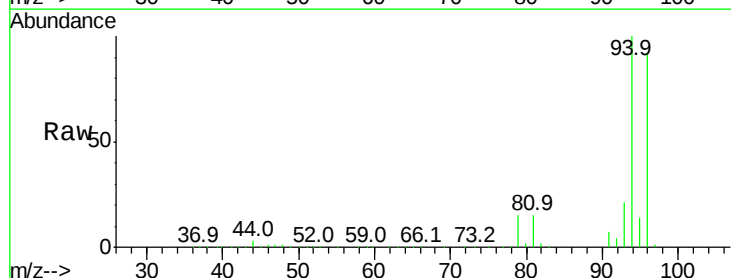
Acq: 23 Nov 2020 13:41

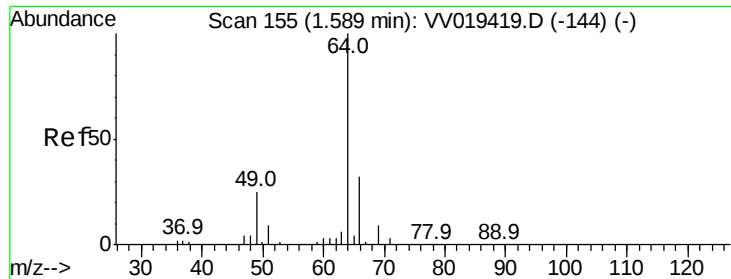
Tgt Ion: 94 Resp: 258994

Ion Ratio Lower Upper

94 100

96 92.0 65.5 121.7





#8

Chloroethane

Concen: 132.401 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

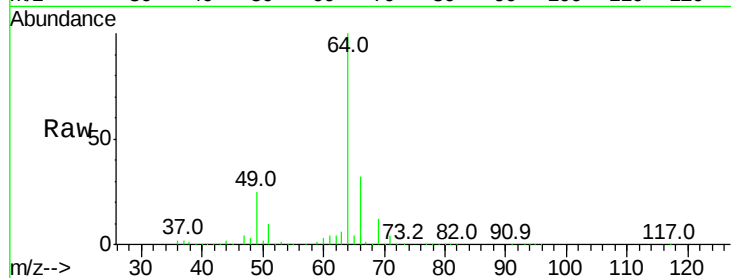
VSTD10061

Tgt Ion: 64 Resp: 255883

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV019419.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019419.D (-144) (-)

1.59

250000

200000

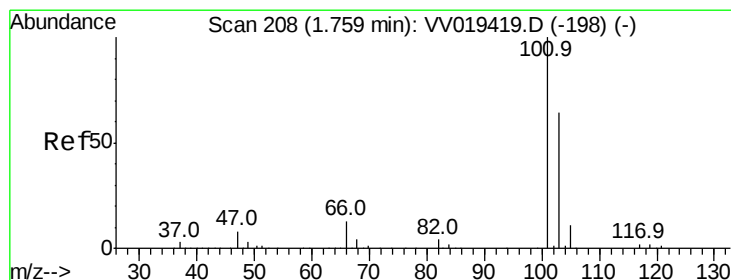
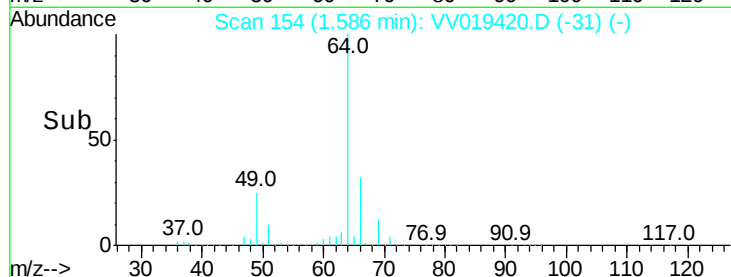
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 91.065 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV019420.D

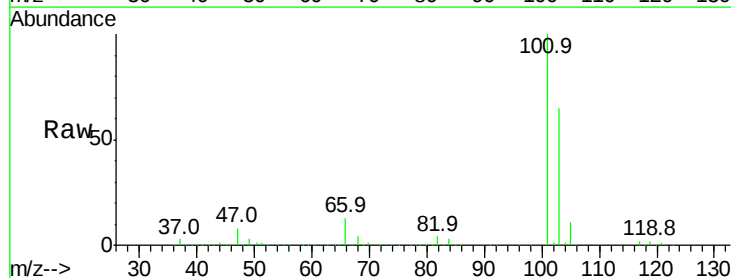
Acq: 23 Nov 2020 13:41

Tgt Ion: 101 Resp: 500651

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019419.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019419.D (-198) (-)

1.76

400000

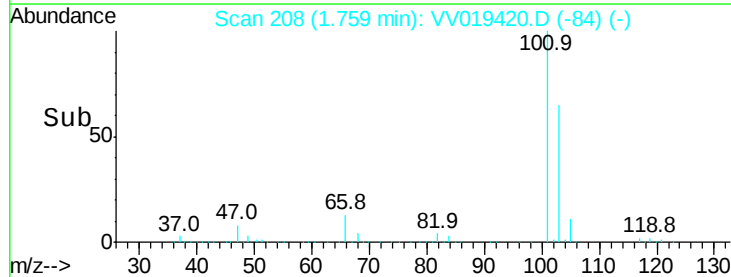
300000

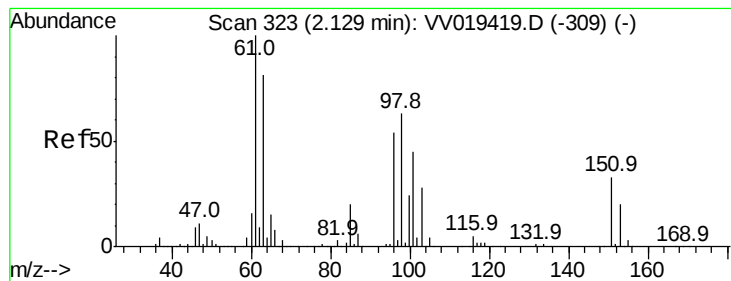
200000

100000

0

Time-->





#10

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

Concen: 106.744 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

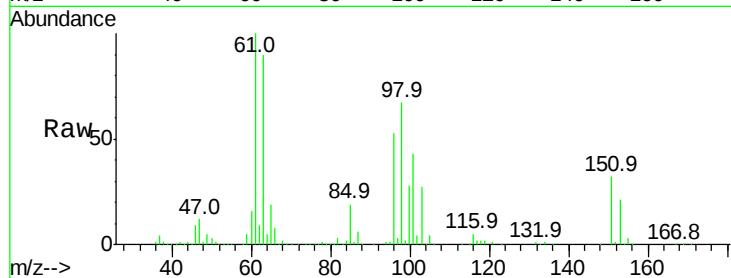
Tgt Ion: 101 Resp: 267471

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

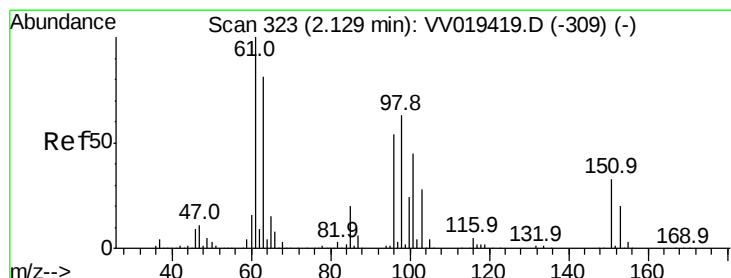
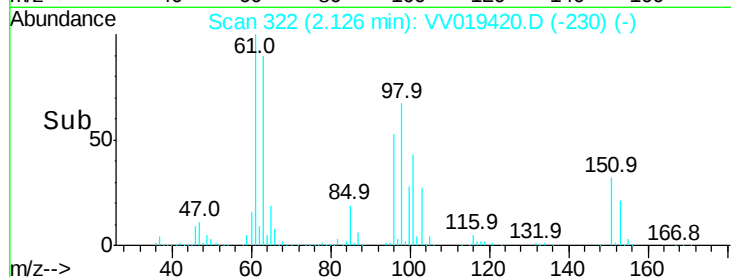
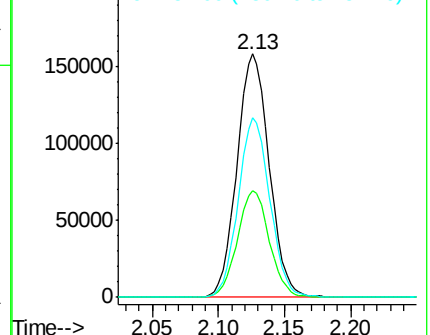
151 72.6 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 109.806 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

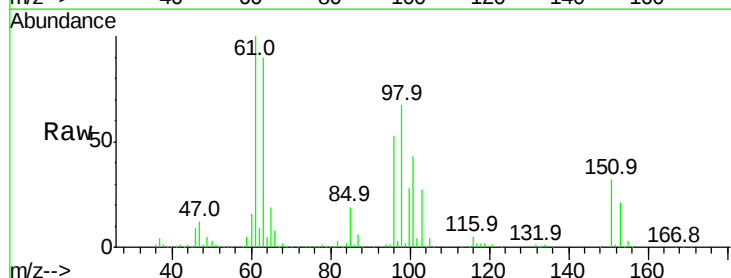
Tgt Ion: 96 Resp: 280827

Ion Ratio Lower Upper

96 100

61 189.2 130.0 241.4

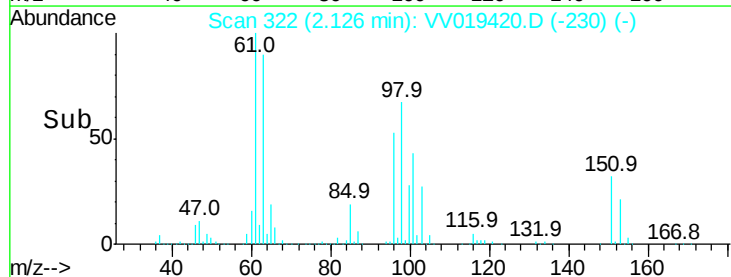
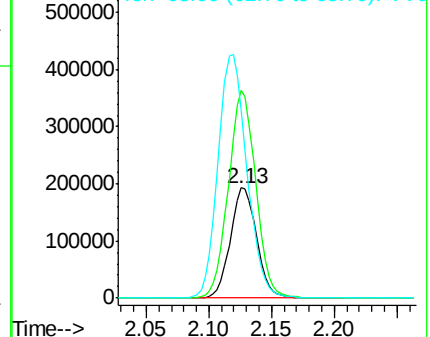
63 171.0 105.1 195.3

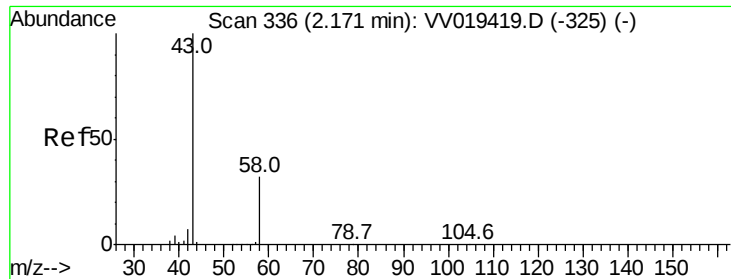


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 284.362 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

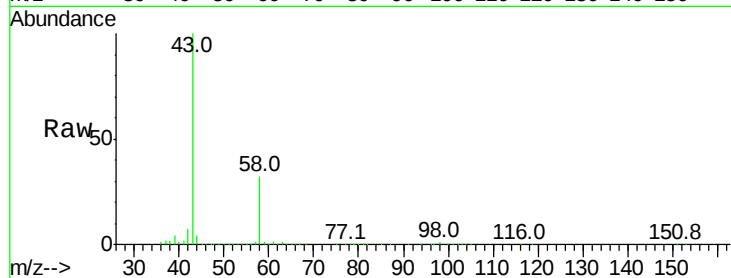
VSTD10061

Tgt Ion: 43 Resp: 357242

Ion Ratio Lower Upper

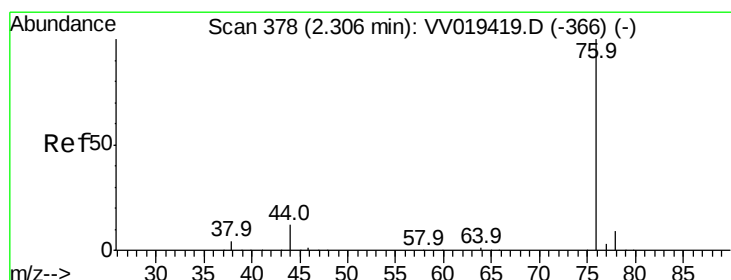
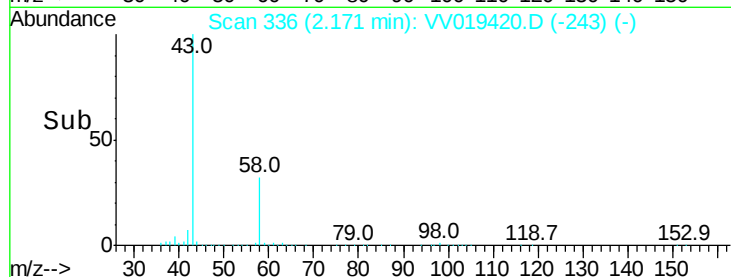
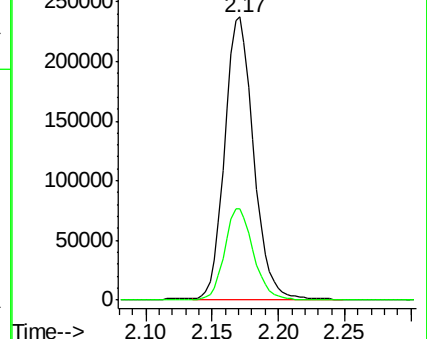
43 100

58 32.7 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: 116.904 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV019420.D

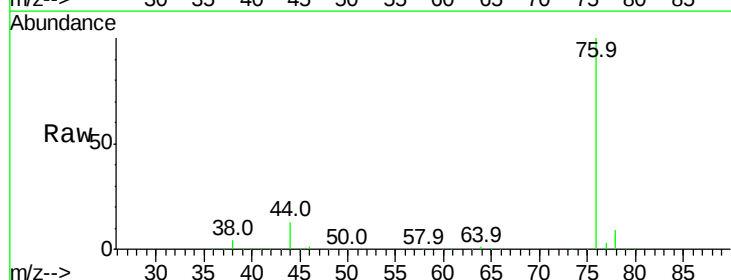
Acq: 23 Nov 2020 13:41

Tgt Ion: 76 Resp: 826701

Ion Ratio Lower Upper

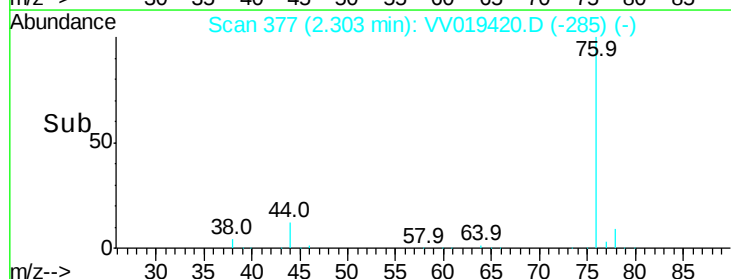
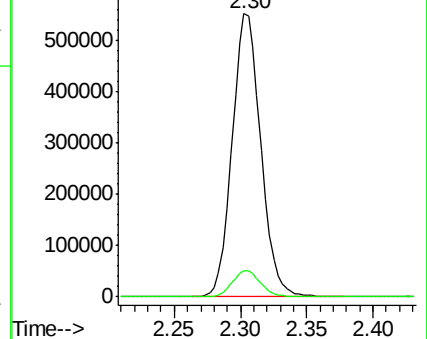
76 100

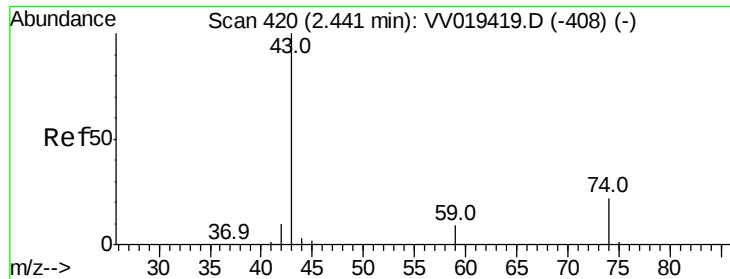
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

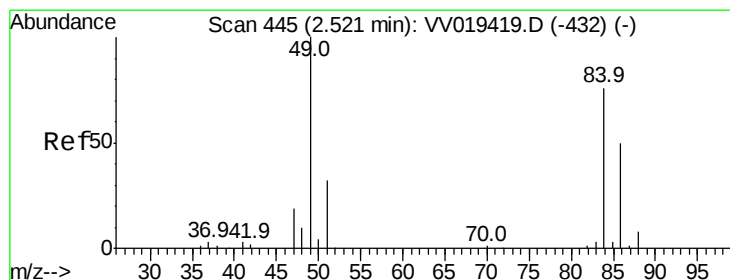
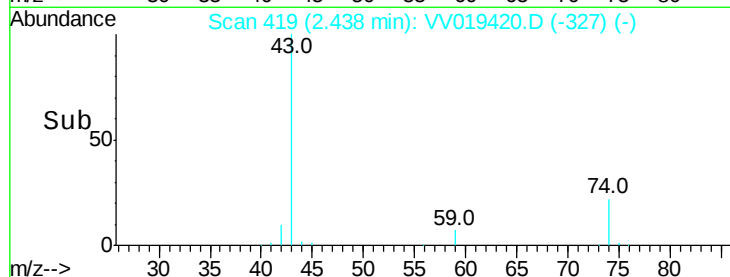
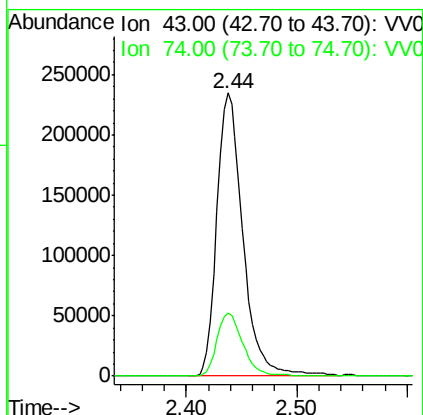
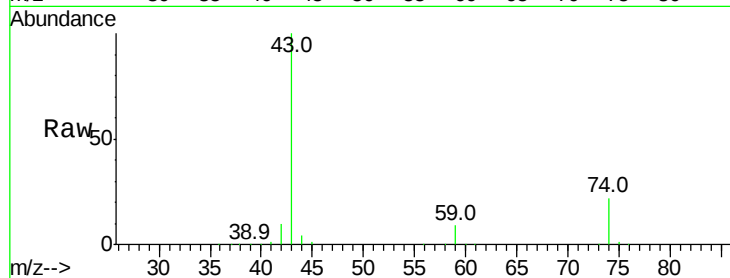




#15
Methyl Acetate
Concen: 180.319 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

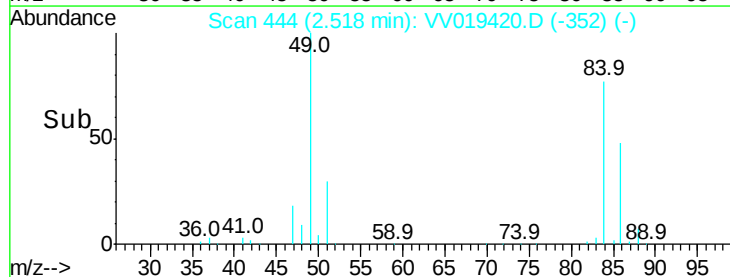
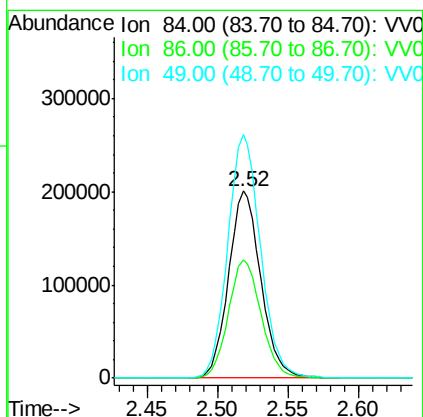
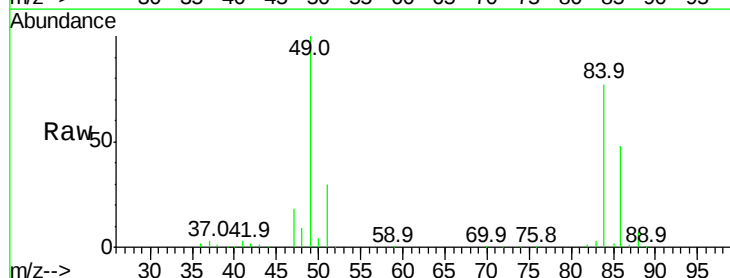
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

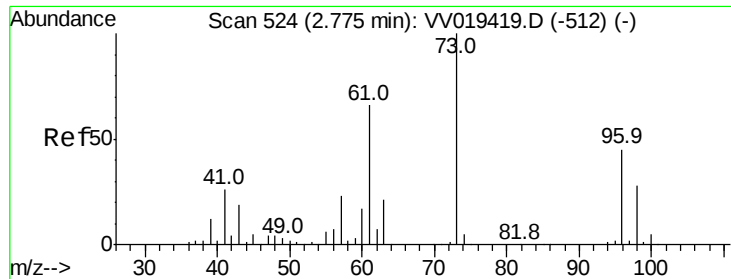
Tgt Ion: 43 Resp: 382444
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8



#16
Methylene chloride
Concen: 125.250 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

Tgt Ion: 84 Resp: 321661
Ion Ratio Lower Upper
84 100
86 63.1 45.8 85.2
49 130.2 92.0 170.9

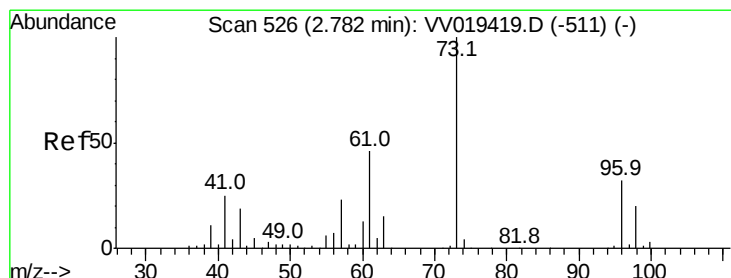
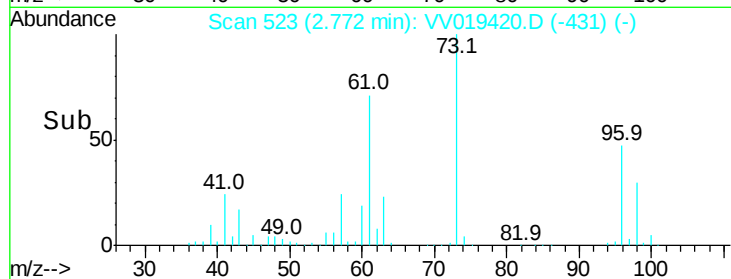
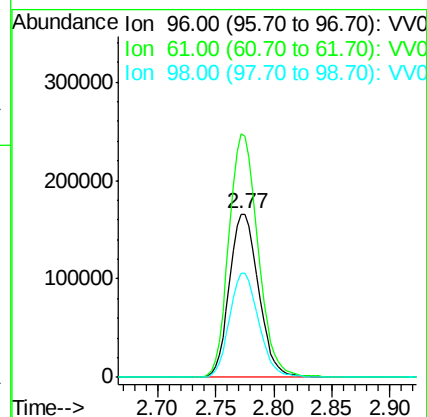
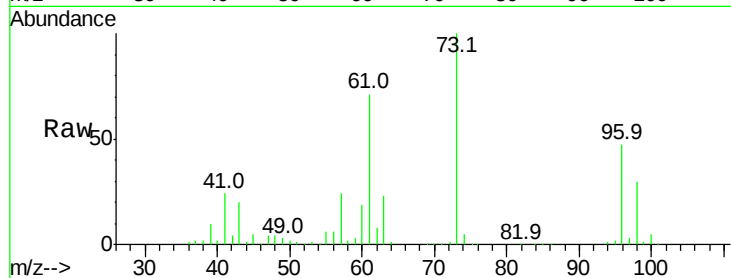




#17
trans-1,2-Dichloroethene
Concen: 117.590 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

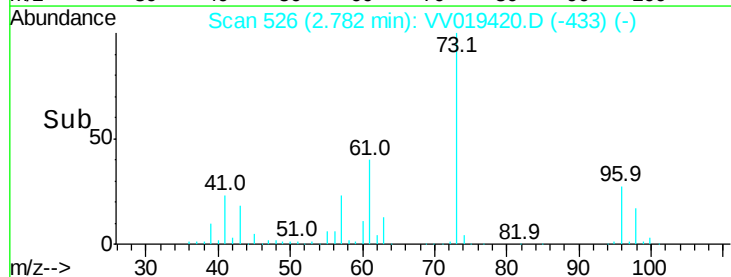
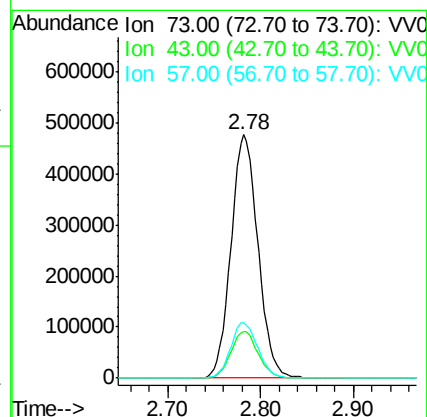
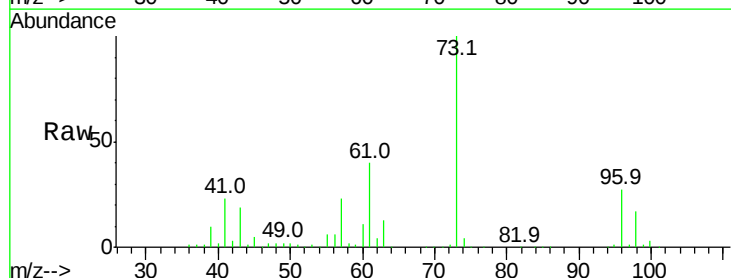
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

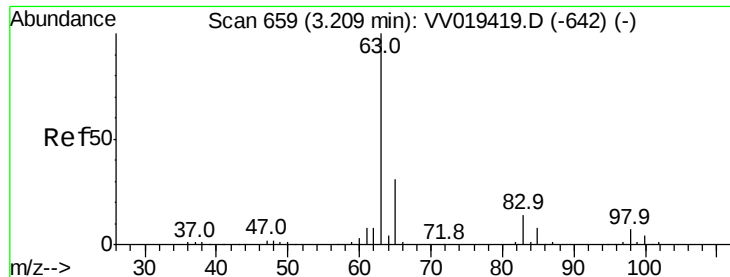
Tgt Ion: 96 Resp: 289280
Ion Ratio Lower Upper
96 100
61 148.9 103.7 192.5
98 64.0 44.0 81.6



#18
Methyl tert-butyl Ether
Concen: 121.596 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

Tgt Ion: 73 Resp: 961069
Ion Ratio Lower Upper
73 100
43 19.3 15.6 23.4
57 23.0 18.3 27.5

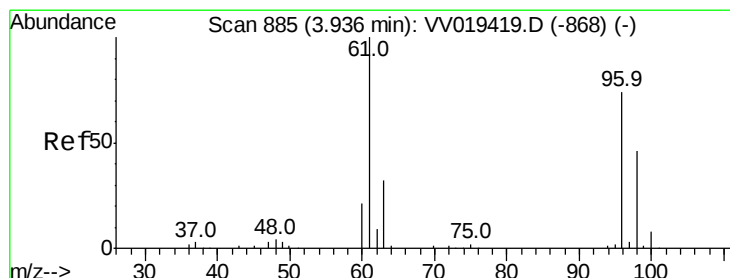
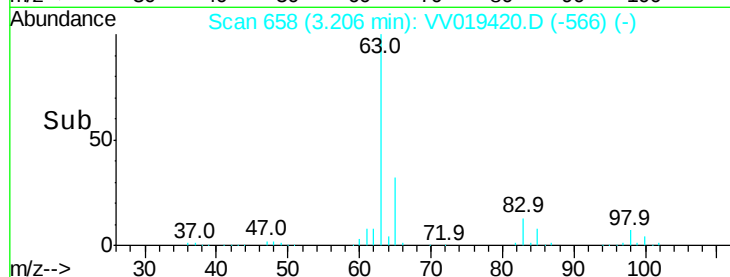
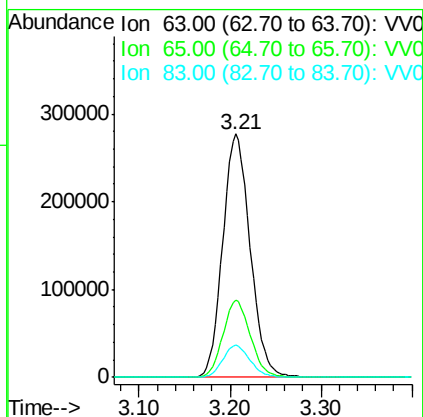
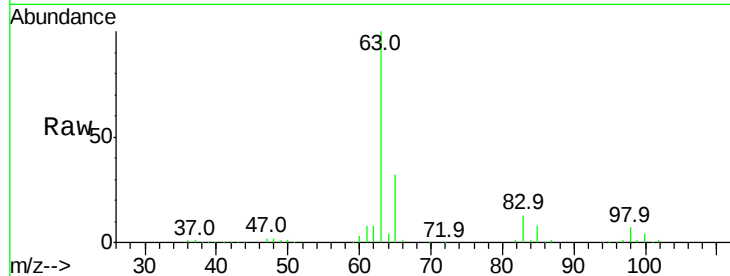




#19
 1,1-Dichloroethane
 Concen: 136.316 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

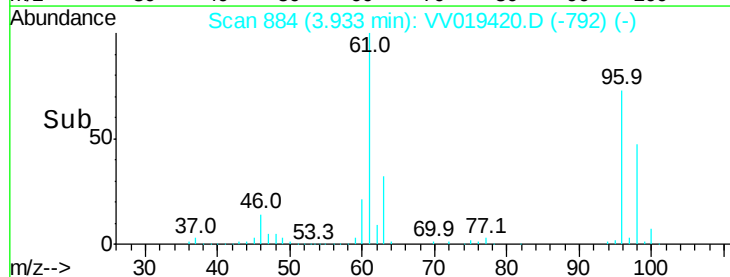
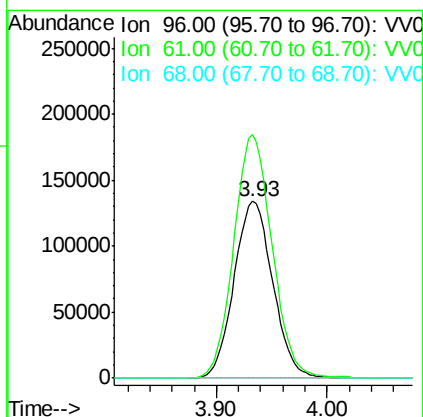
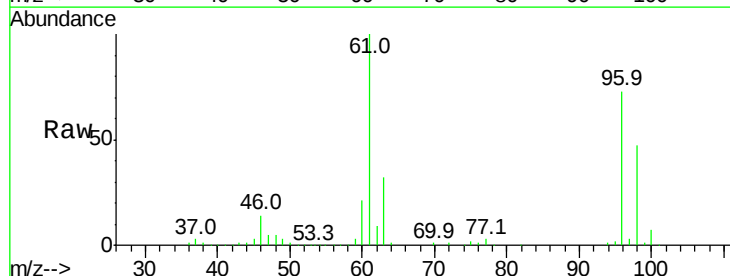
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

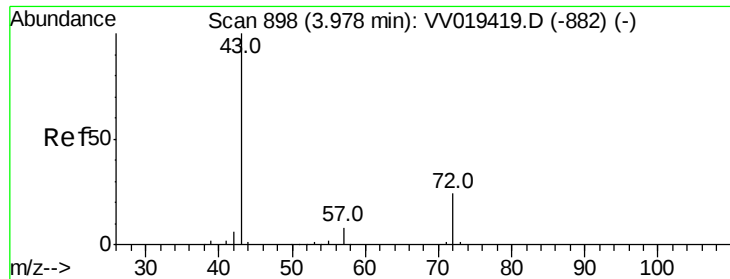
Tgt Ion: 63 Resp: 581461
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.4
 83 13.2 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 125.175 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

Tgt Ion: 96 Resp: 325984
 Ion Ratio Lower Upper
 96 100
 61 137.6 95.5 177.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 376.914 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

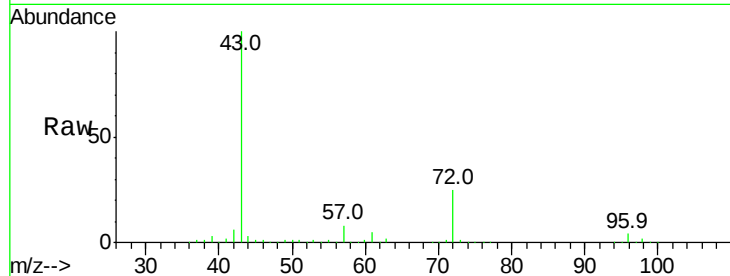
VSTD10061

Tgt Ion: 43 Resp: 542987

Ion Ratio Lower Upper

43 100

72 25.4 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV019420.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV019420.D (-897) (-)

3.97

250000

200000

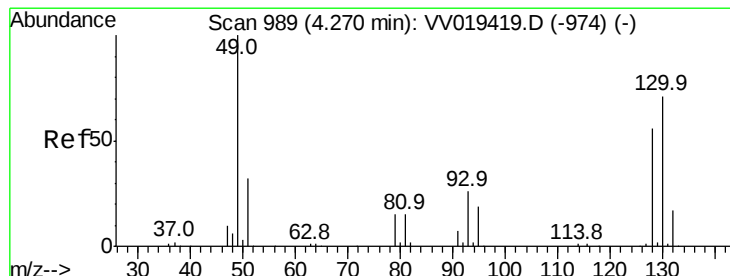
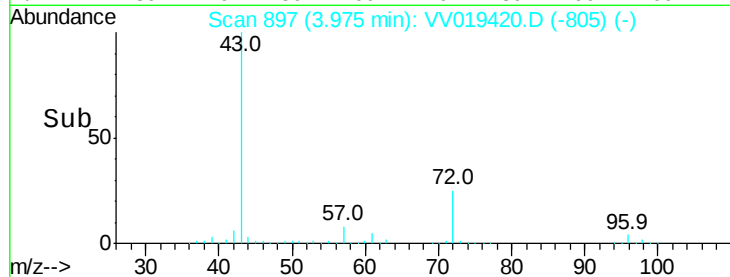
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 110.684 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Tgt Ion: 128 Resp: 166235

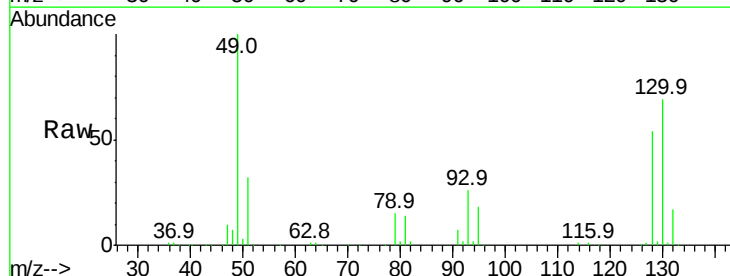
Ion Ratio Lower Upper

128 100

49 184.8 126.1 234.1

130 127.4 89.4 166.0

51 58.5 46.5 69.7



Abundance Ion 128.00 (127.70 to 128.70): VV019420.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV019420.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019420.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019420.D (-896) (-)

200000

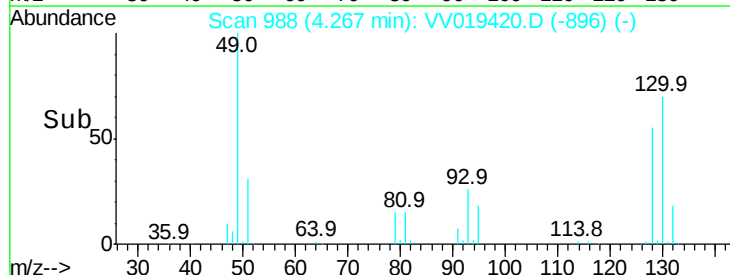
150000

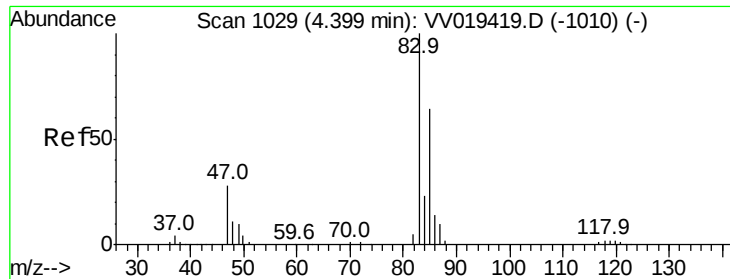
100000

50000

0

Time-->

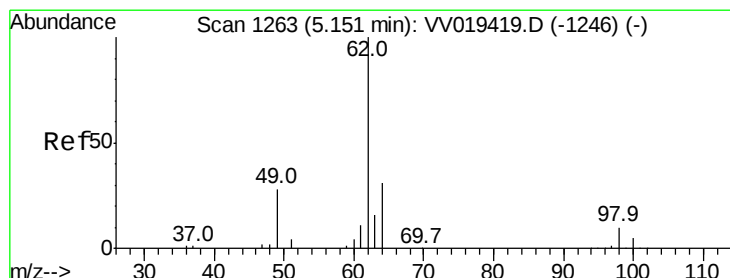
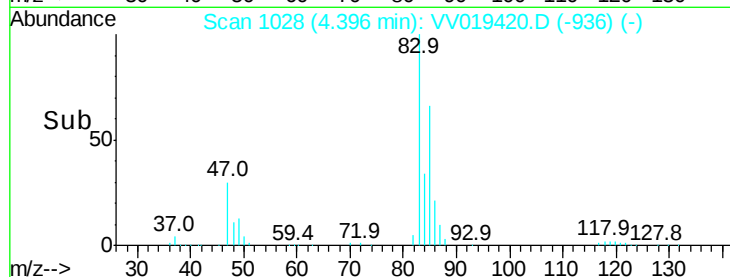
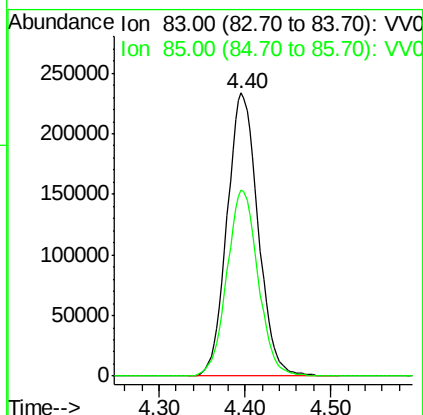
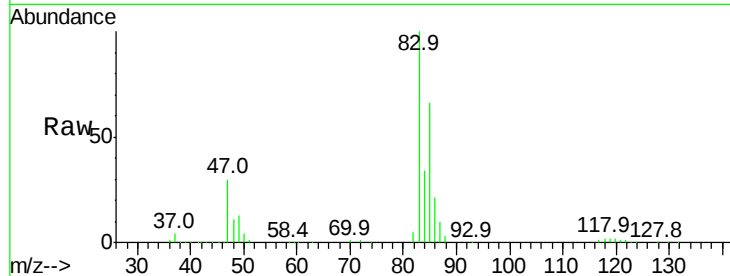




#25
Chloroform
Concen: 117.780 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

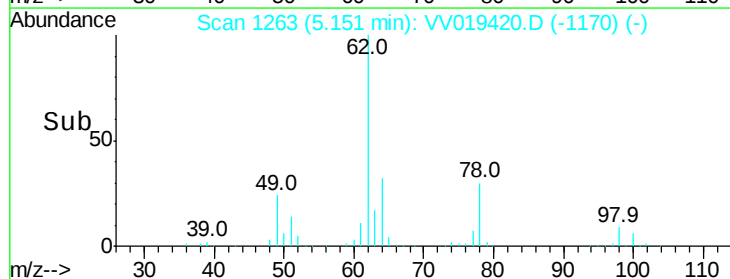
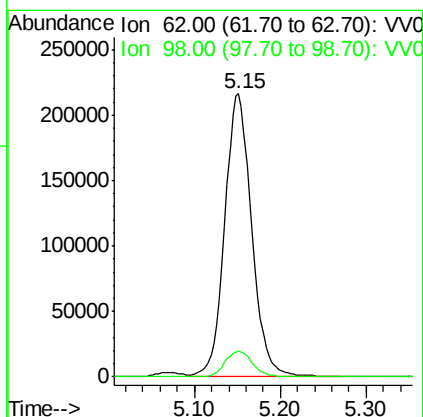
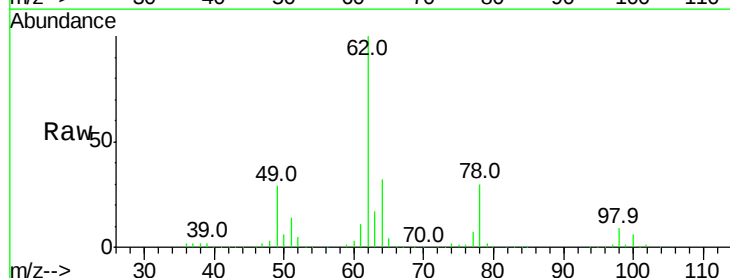
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

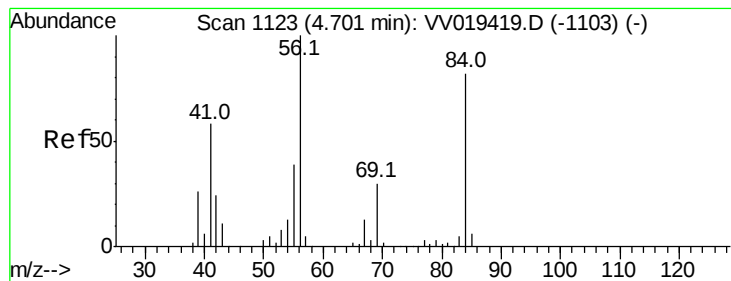
Tgt Ion: 83 Resp: 584337
Ion Ratio Lower Upper
83 100
85 65.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 111.633 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

Tgt Ion: 62 Resp: 469179
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4





#29

Cyclohexane

Concen: 134.983 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

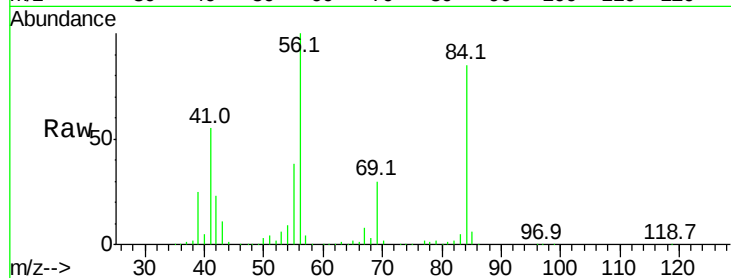
Tgt Ion: 56 Resp: 456845

Ion Ratio Lower Upper

56 100

69 29.8 23.8 35.8

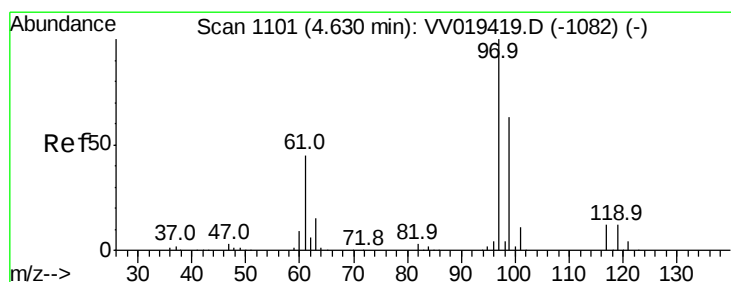
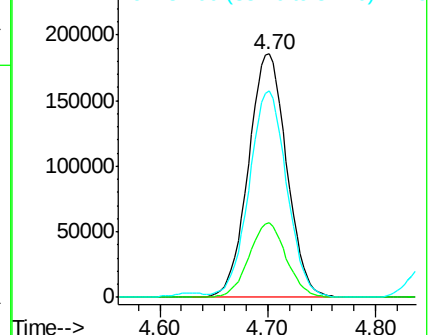
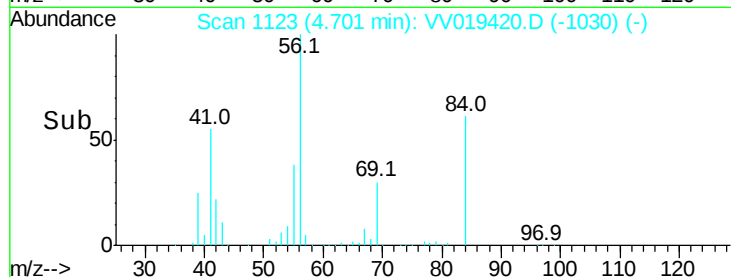
84 83.5 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VV019420.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV019420.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV019420.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 94.976 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

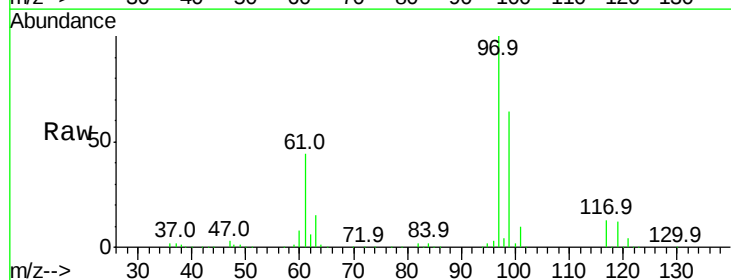
Tgt Ion: 97 Resp: 488543

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

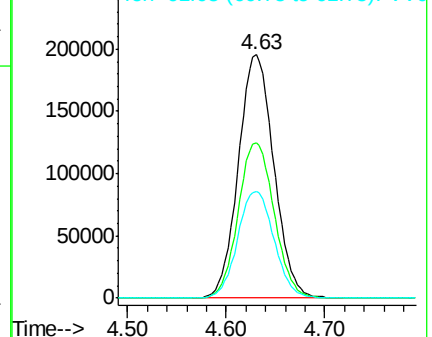
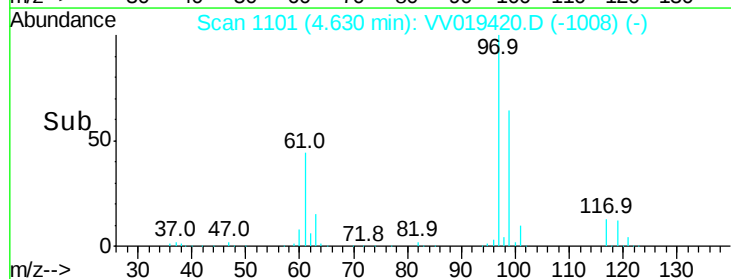
61 45.0 36.9 55.3

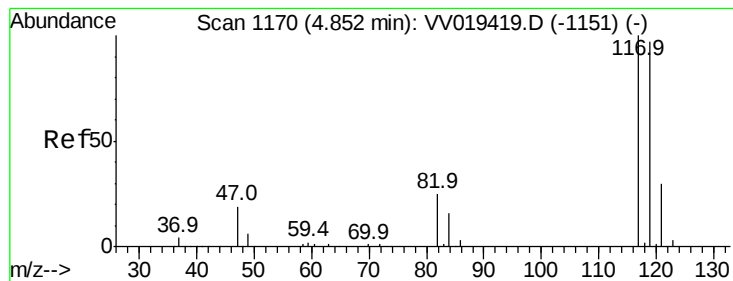


Abundance Ion 97.00 (96.70 to 97.70): VV019420.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV019420.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV019420.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 90.592 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

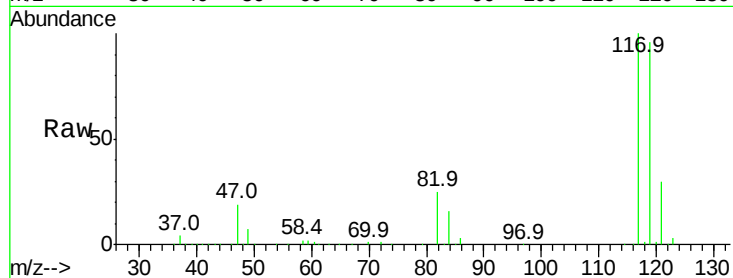
VSTD10061

Tgt Ion:117 Resp: 419646

Ion Ratio Lower Upper

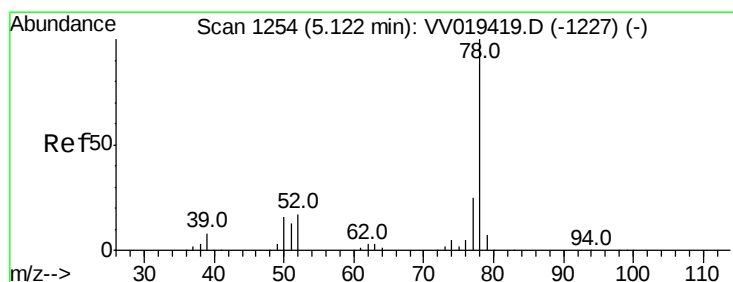
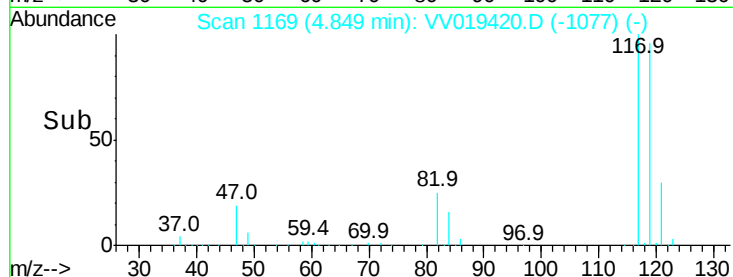
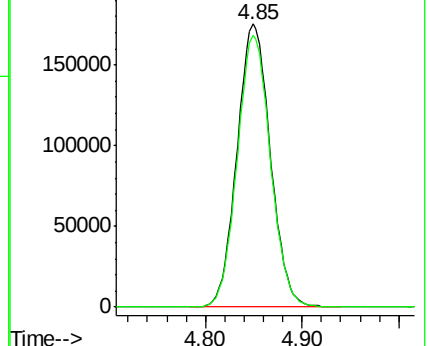
117 100

119 95.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 125.832 ug/L

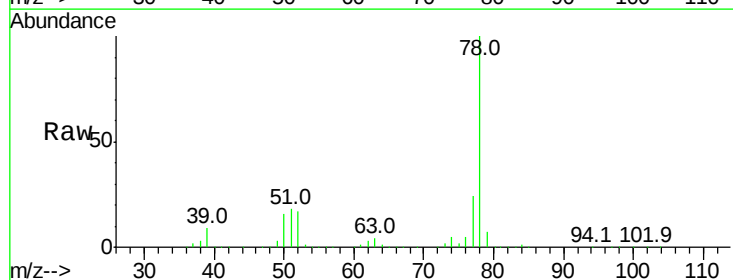
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

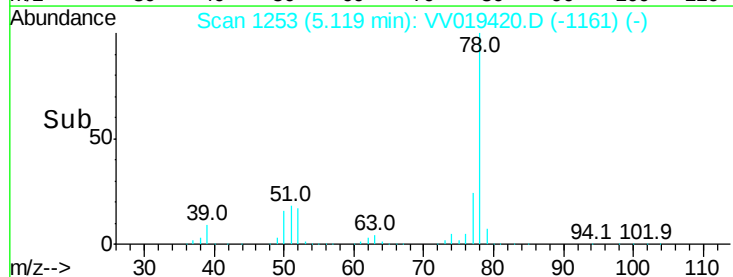
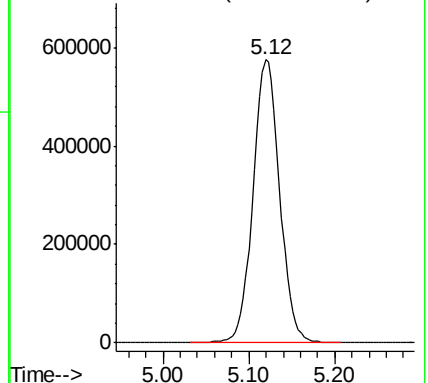
Lab File: VV019420.D

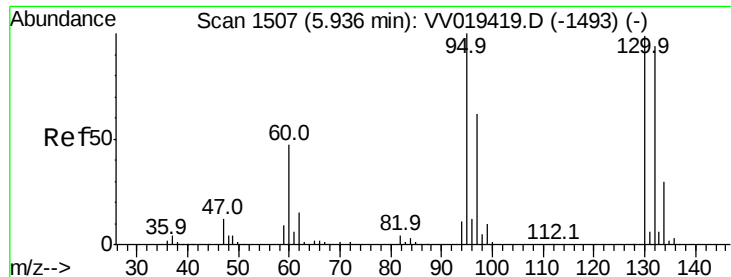
Acq: 23 Nov 2020 13:41

Tgt Ion: 78 Resp: 1242991



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 109.044 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

Tgt Ion: 95 Resp: 324866

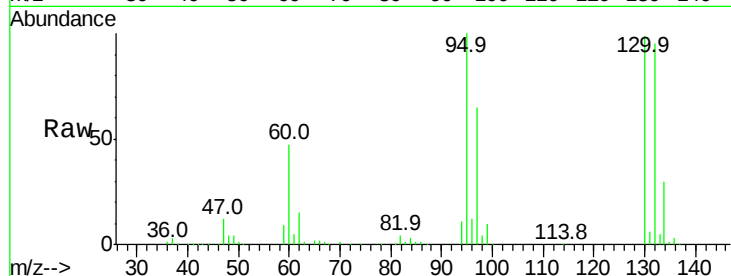
Ion Ratio Lower Upper

95 100

97 64.9 43.8 81.3

132 95.0 65.6 121.8

130 98.7 69.2 128.6

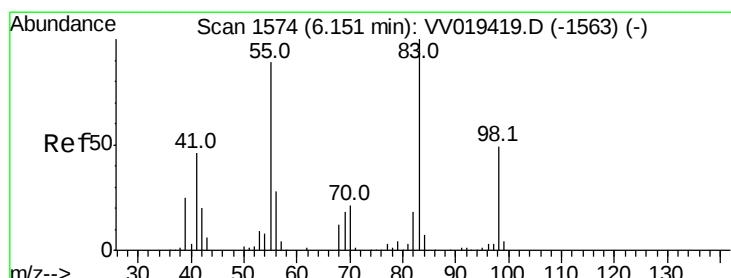
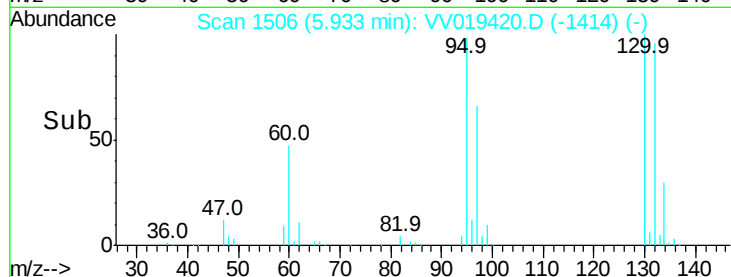
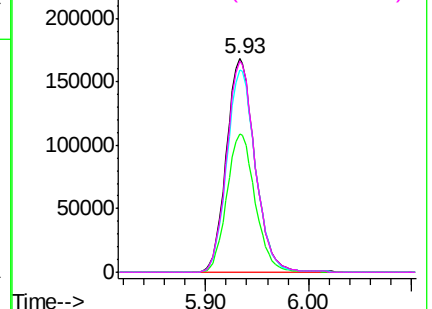


Abundance Ion 95.00 (94.70 to 95.70): VV019419.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV019419.D (-1493) (-)

Ion 132.00 (131.70 to 132.70): VV019419.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV019419.D (-1493) (-)



#35

Methylcyclohexane

Concen: 114.961 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

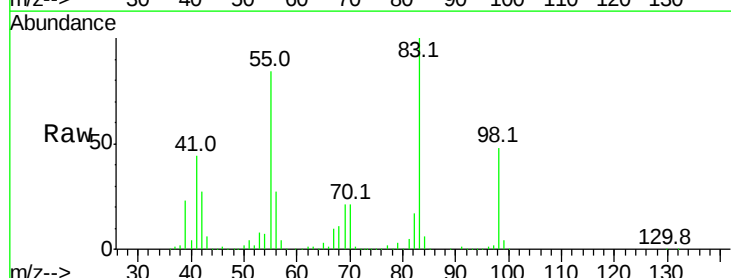
Tgt Ion: 83 Resp: 423271

Ion Ratio Lower Upper

83 100

55 81.8 67.4 101.2

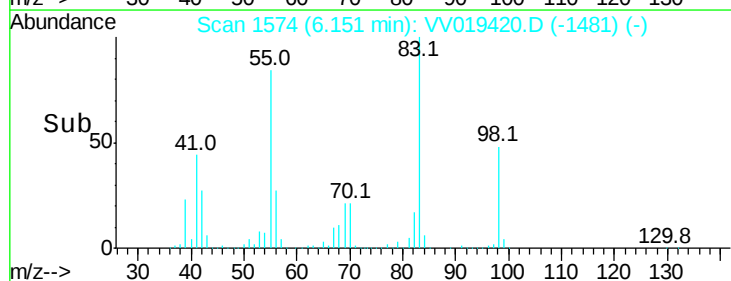
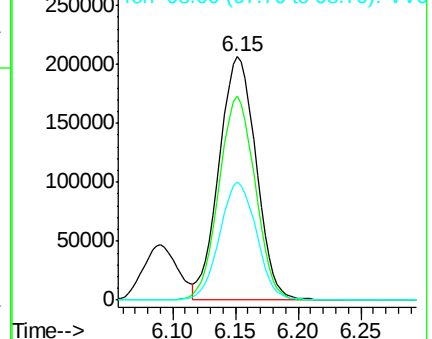
98 48.1 38.3 57.5

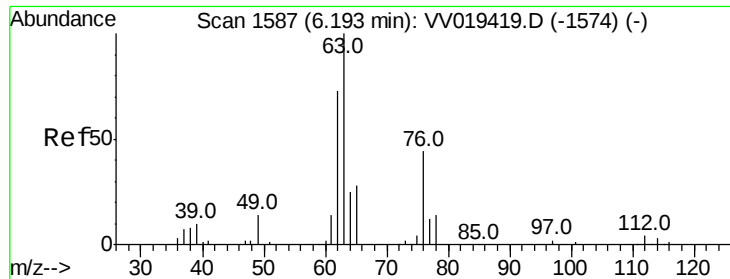


Abundance Ion 83.00 (82.70 to 83.70): VV019419.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV019419.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV019419.D (-1563) (-)

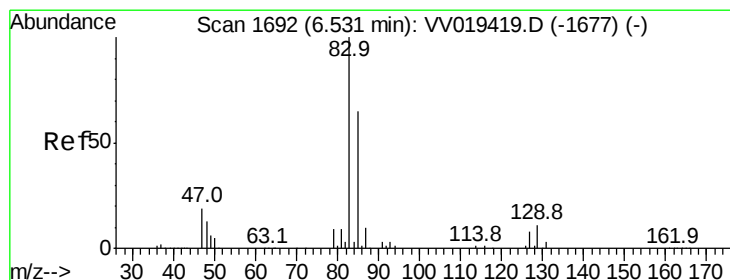
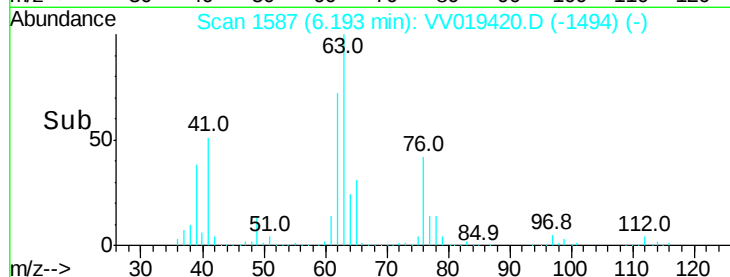
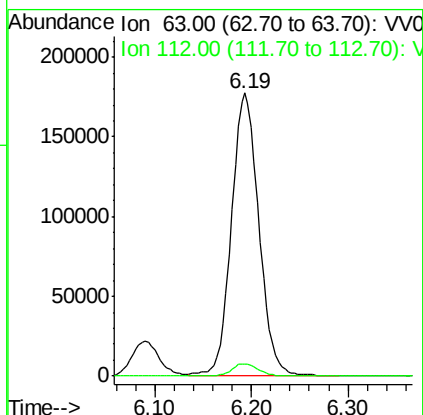
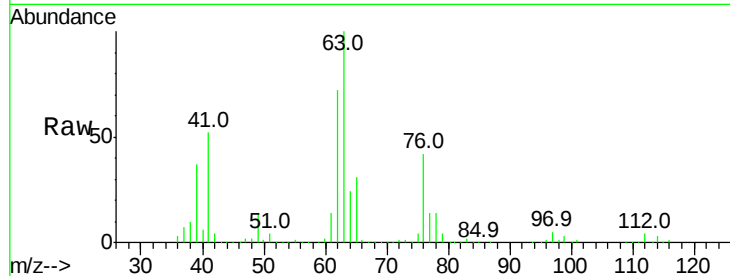




#37
 1,2-Dichloropropane
 Concen: 144.912 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

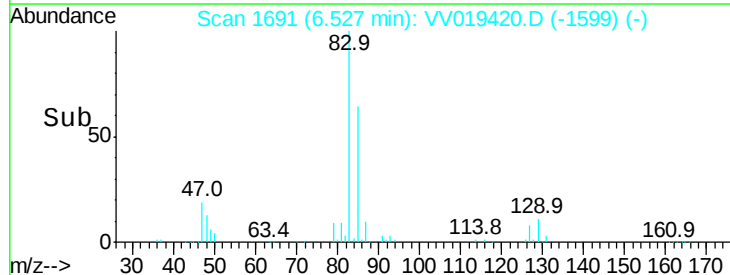
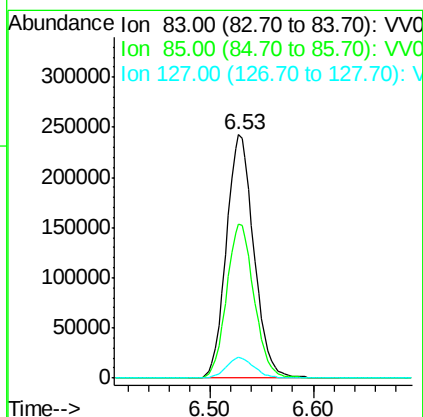
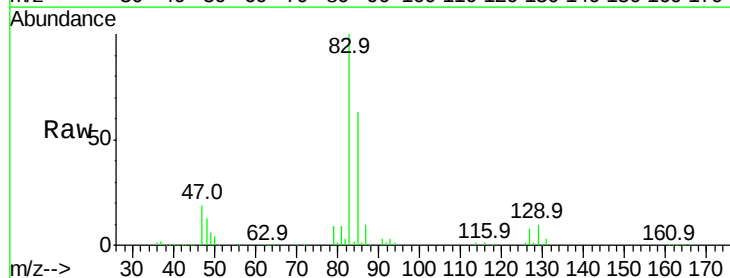
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

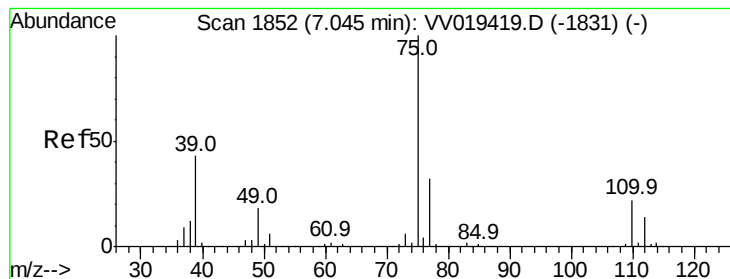
Tgt Ion: 63 Resp: 347908
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.8 5.6



#38
 Bromodichloromethane
 Concen: 115.375 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

Tgt Ion: 83 Resp: 450257
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 127 8.4 6.6 9.8



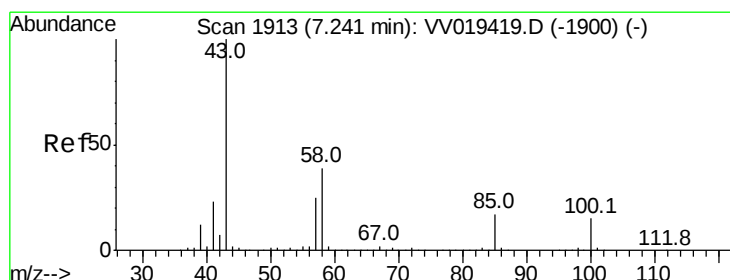
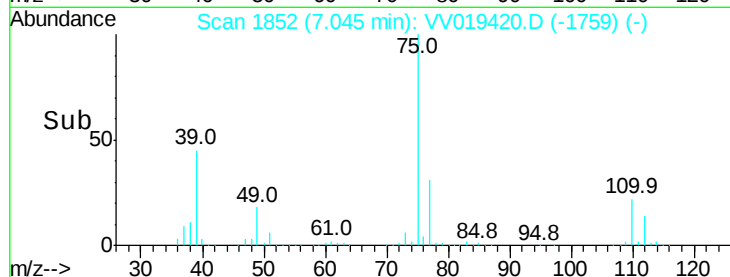
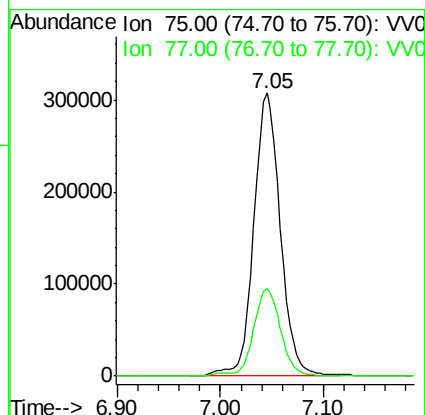
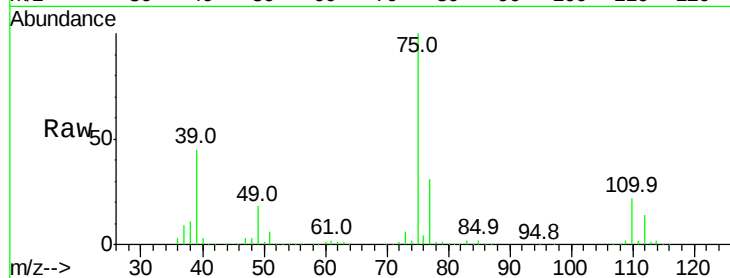


#39

cis-1,3-Dichloropropene
 Concen: 132.802 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

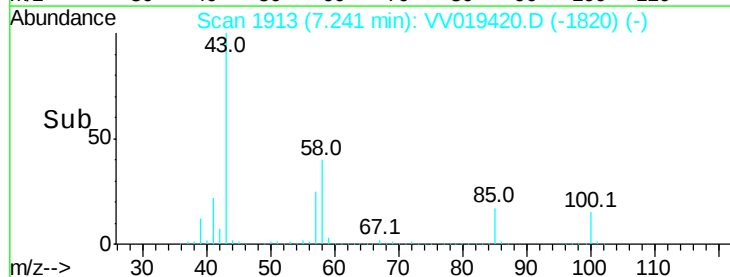
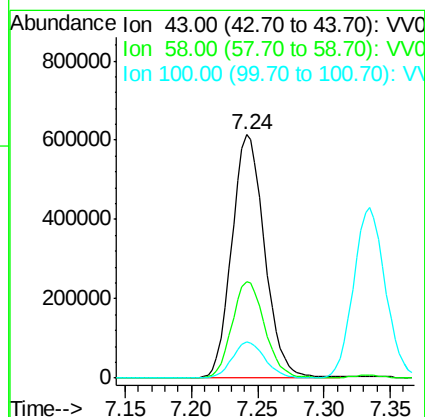
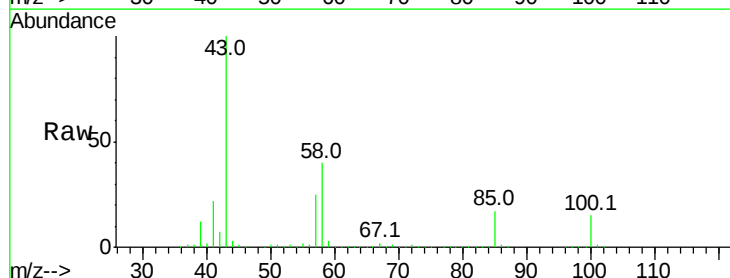
Tgt Ion: 75 Resp: 546630
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.5 41.7

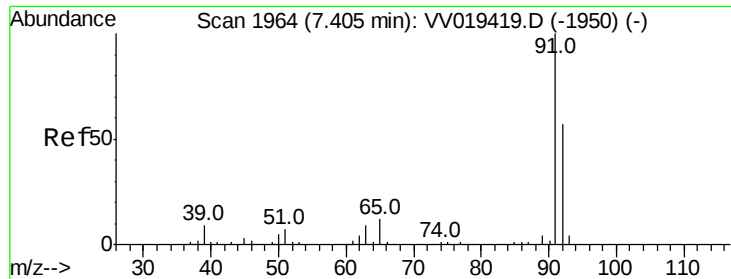


#40

4-Methyl-2-pentanone
 Concen: 348.388 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

Tgt Ion: 43 Resp: 1055381
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.0 46.4
 100 14.8 11.7 17.5





#42

Toluene

Concen: 120.504 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

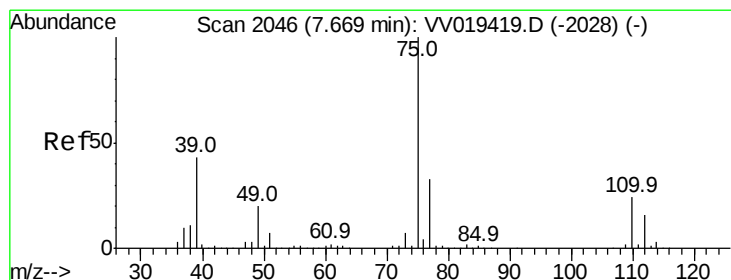
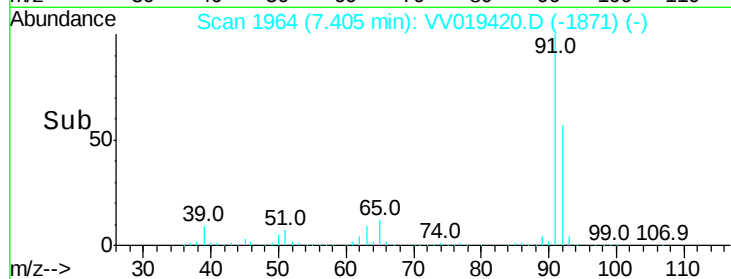
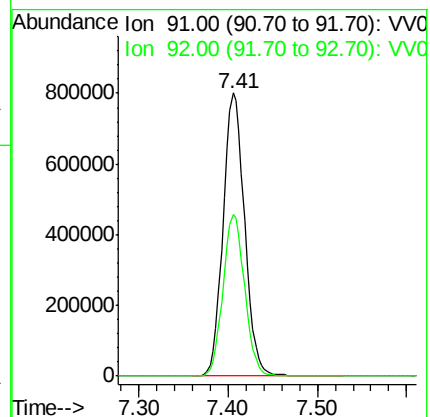
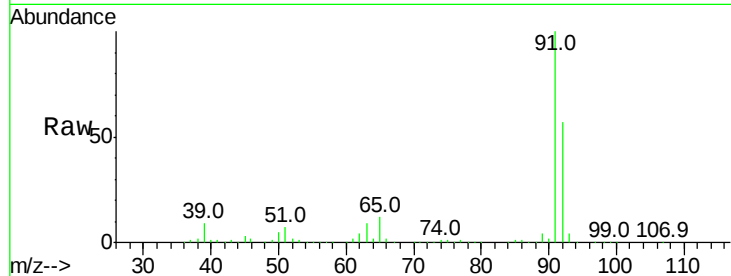
VSTD10061

Tgt Ion: 91 Resp: 1339021

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 123.622 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019420.D

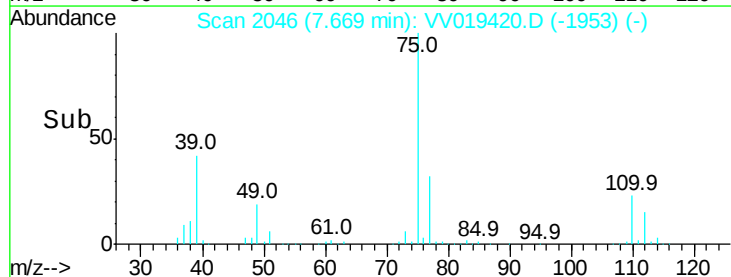
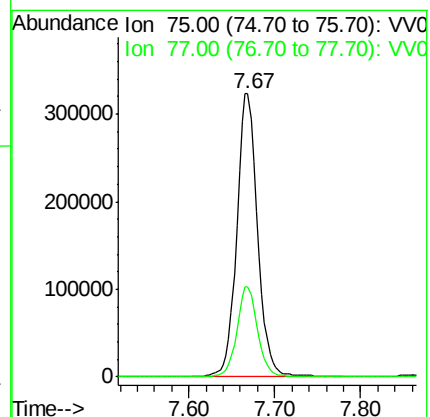
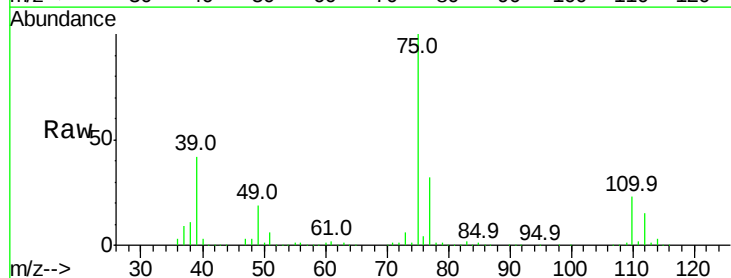
Acq: 23 Nov 2020 13:41

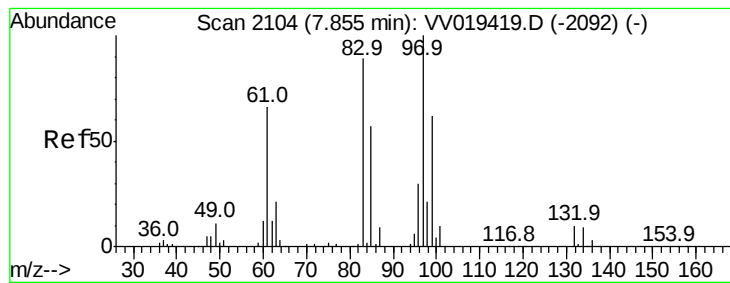
Tgt Ion: 75 Resp: 541990

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 121.869 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

Tgt Ion: 97 Resp: 317367

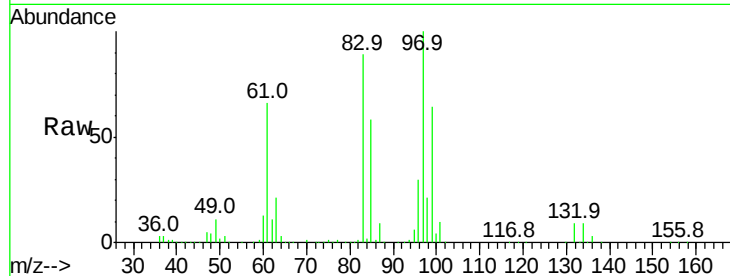
Ion Ratio Lower Upper

97 100

99 63.7 43.7 81.1

83 88.9 62.0 115.2

85 57.5 40.0 74.4

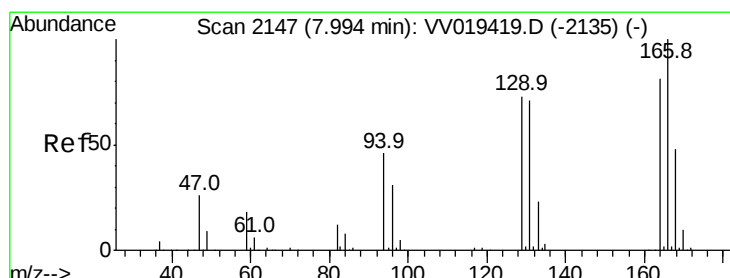
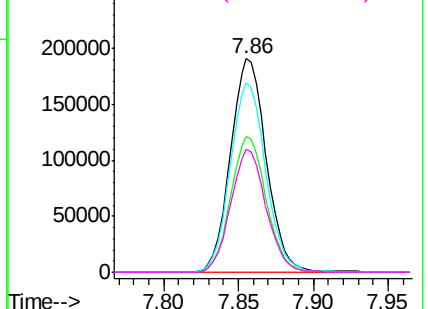
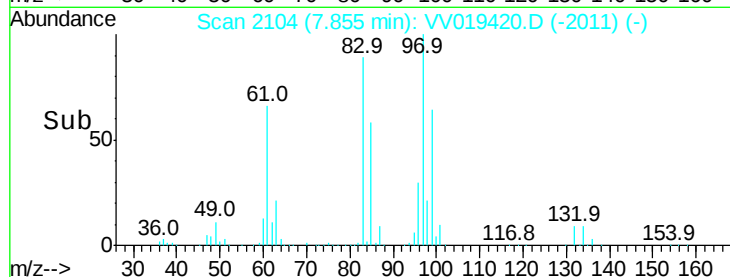


Abundance Ion 97.00 (96.70 to 97.70): VV019420.D (-2011) (-)

Ion 99.00 (98.70 to 99.70): VV019420.D (-2011) (-)

Ion 83.00 (82.70 to 83.70): VV019420.D (-2011) (-)

Ion 85.00 (84.70 to 85.70): VV019420.D (-2011) (-)



#46

Tetrachloroethene

Concen: 90.460 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Tgt Ion: 164 Resp: 237391

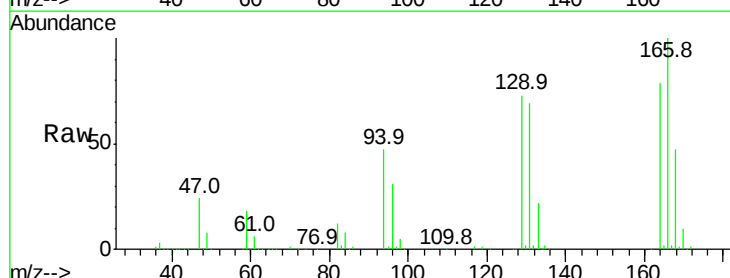
Ion Ratio Lower Upper

164 100

129 92.2 62.9 116.7

131 87.8 61.1 113.5

166 126.5 86.5 160.6

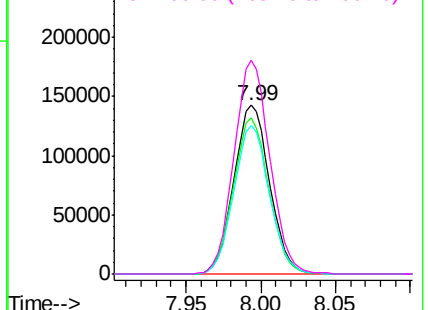
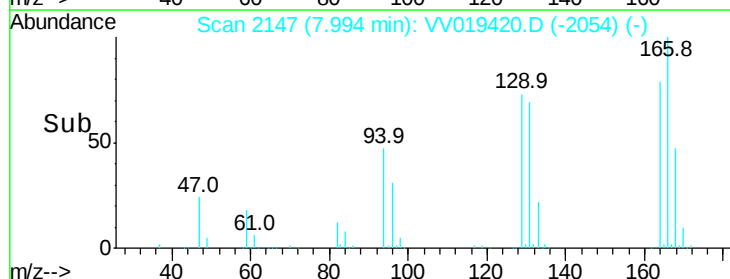


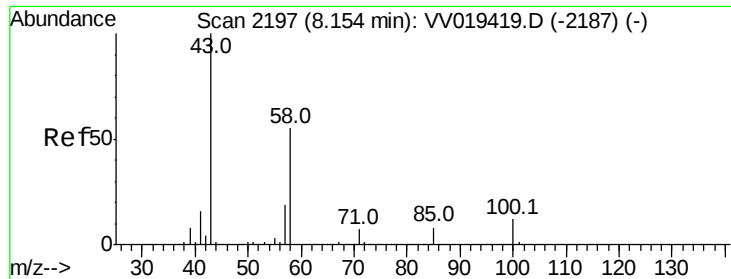
Abundance Ion 164.00 (163.70 to 164.70): VV019420.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV019420.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV019420.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV019420.D (-2054) (-)

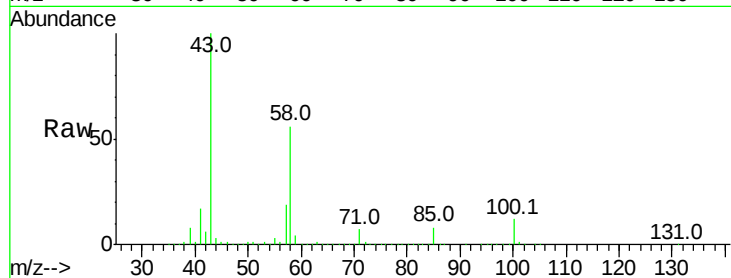




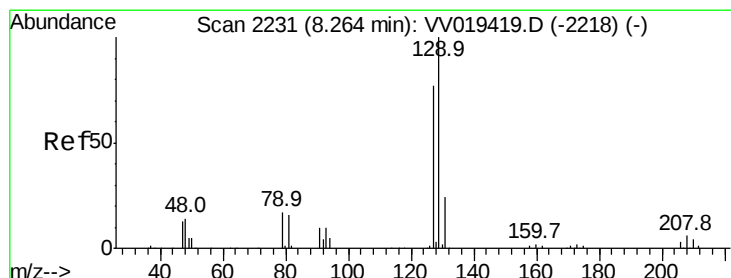
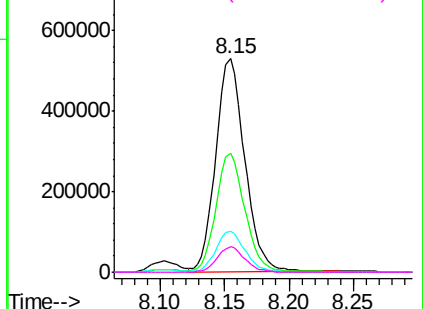
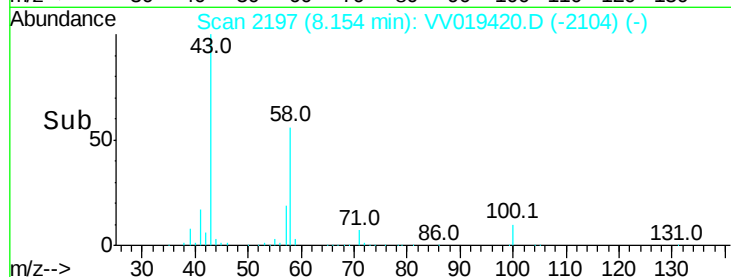
#48
2-Hexanone
Concen: 349.839 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tgt Ion: 43 Resp: 830559
Ion Ratio Lower Upper
43 100
58 55.2 43.8 65.6
57 19.3 15.4 23.2
100 11.5 9.0 13.6

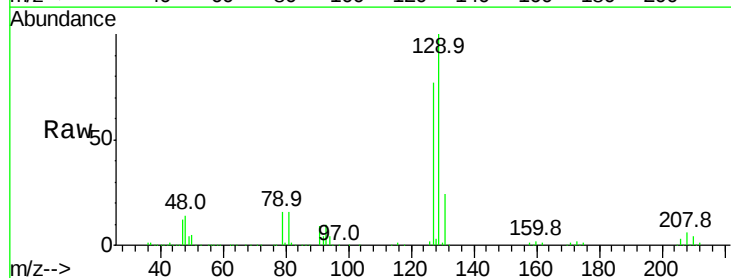


Abundance Ion 43.00 (42.70 to 43.70): VV019420.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019420.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019420.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019420.D (-2104) (-)

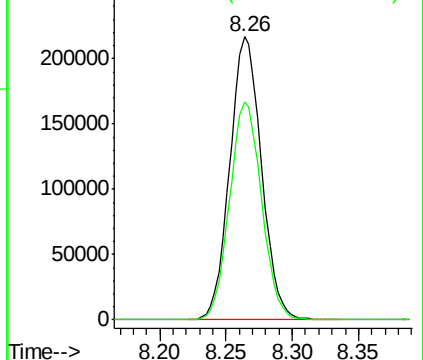
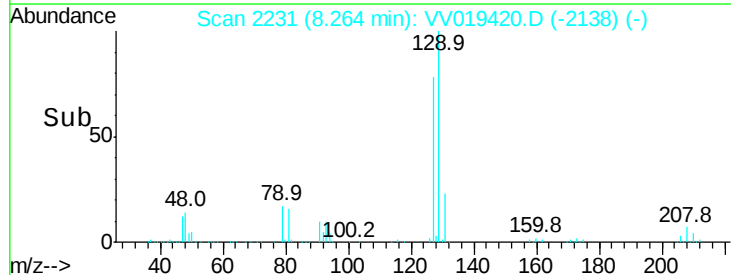


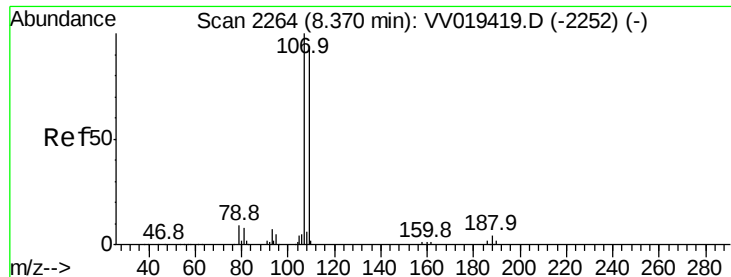
#49
Dibromochloromethane
Concen: 107.949 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

Tgt Ion: 129 Resp: 360774
Ion Ratio Lower Upper
129 100
127 77.3 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): VV019420.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019420.D (-2138) (-)

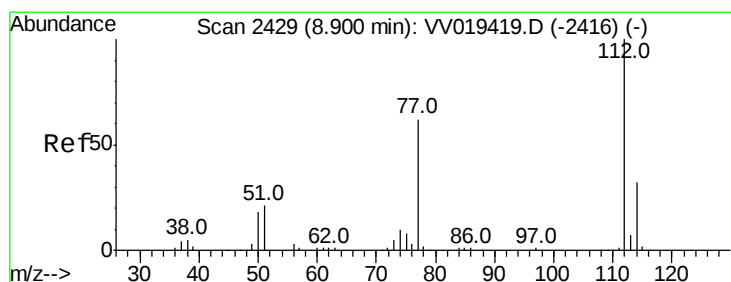
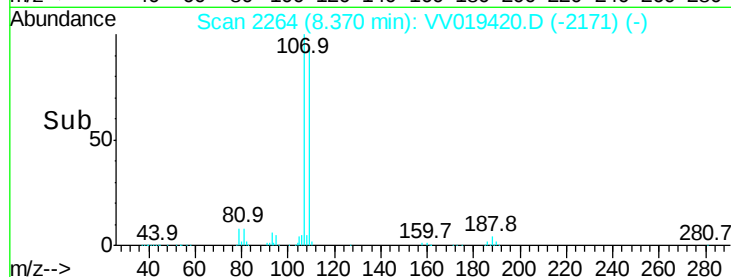
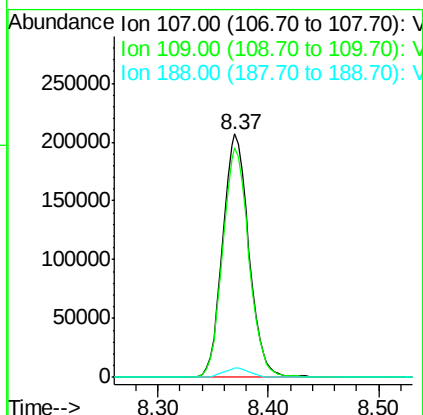
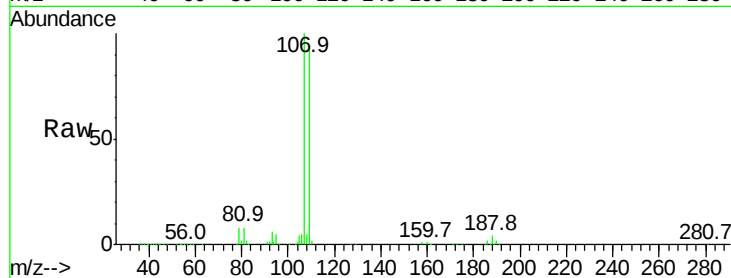




#50
1,2-Dibromoethane
Concen: 119.695 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

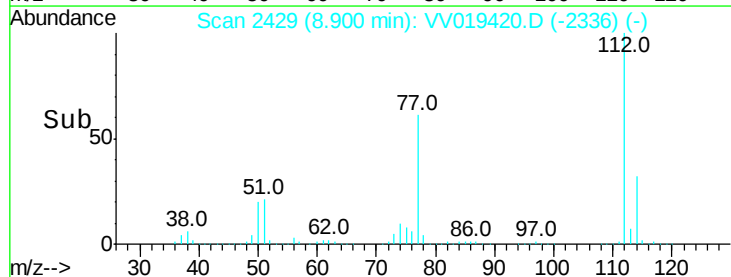
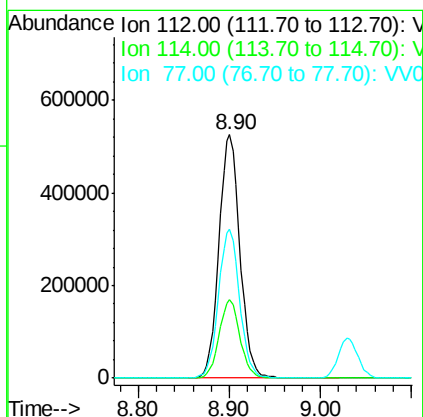
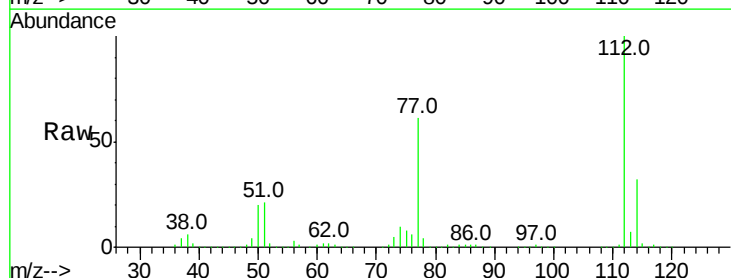
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

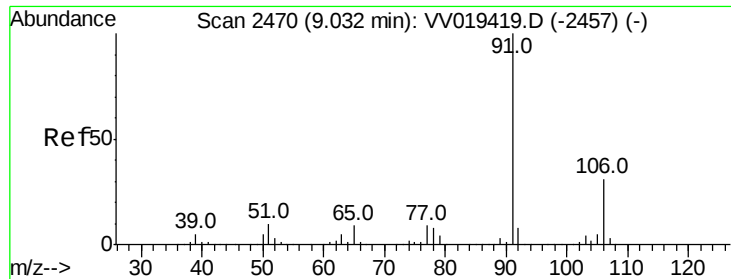
Tgt Ion:107 Resp: 341027
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.8
188 3.9 3.0 4.4



#51
Chlorobenzene
Concen: 110.087 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019420.D
Acq: 23 Nov 2020 13:41

Tgt Ion:112 Resp: 841252
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 60.9 50.3 75.5





#52

Ethylbenzene

Concen: 117.088 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

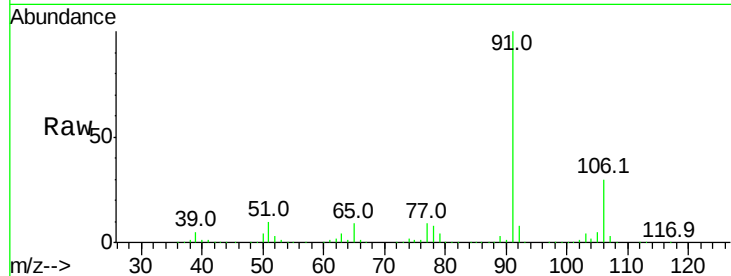
VSTD10061

Tgt Ion: 91 Resp: 1455055

Ion Ratio Lower Upper

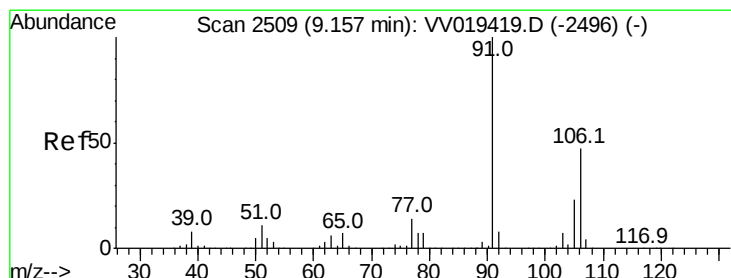
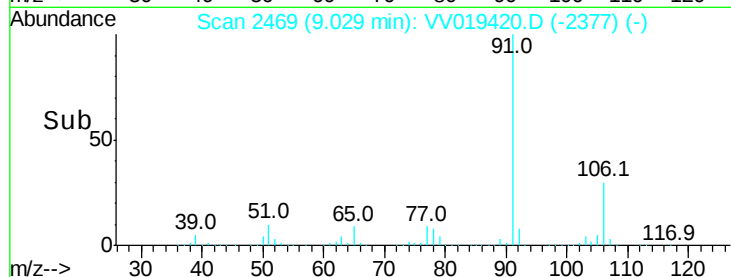
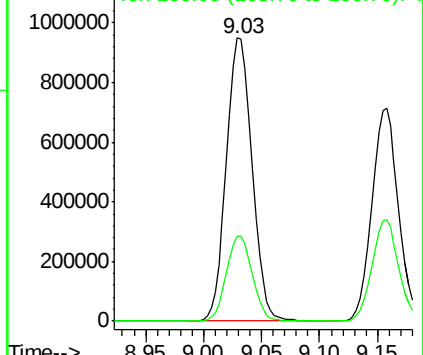
91 100

106 30.1 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV019420.D (-2469) (-)

Ion 106.00 (105.70 to 106.70): VV019420.D (-2469) (-)



#53

m,p-Xylene

Concen: 113.045 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019420.D

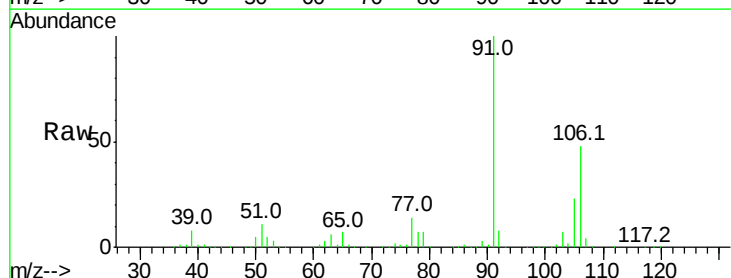
Acq: 23 Nov 2020 13:41

Tgt Ion: 106 Resp: 543984

Ion Ratio Lower Upper

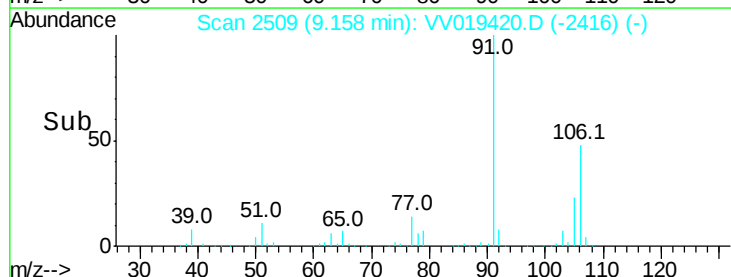
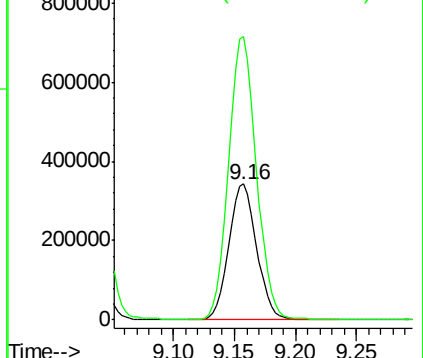
106 100

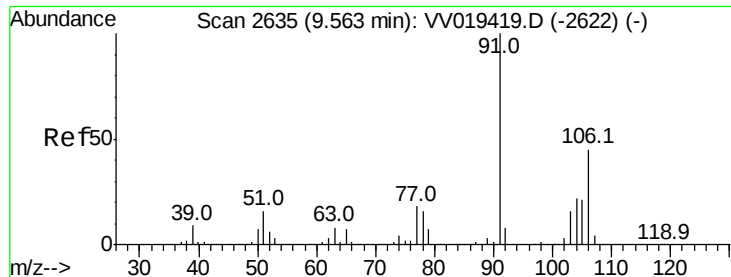
91 208.4 148.7 276.3



Abundance Ion 106.00 (105.70 to 106.70): VV019420.D (-2509) (-)

Ion 91.00 (90.70 to 91.70): VV019420.D (-2509) (-)





#54

o-xylene

Concen: 115.862 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

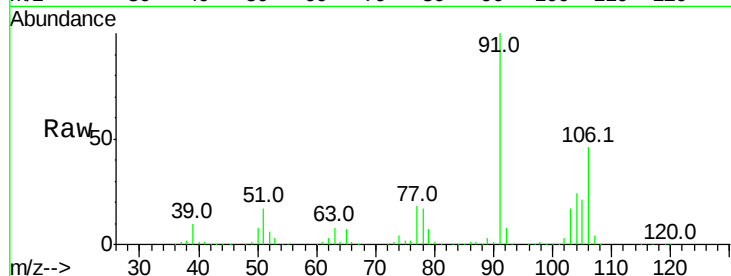
VSTD10061

Tgt Ion:106 Resp: 539170

Ion Ratio Lower Upper

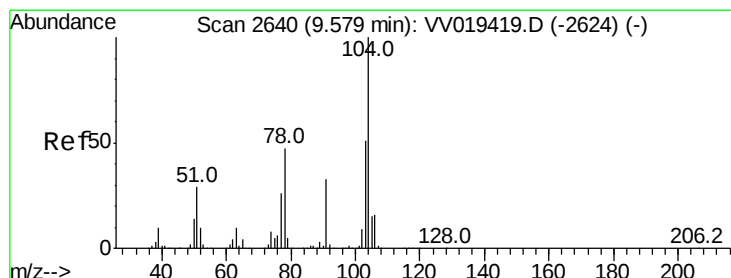
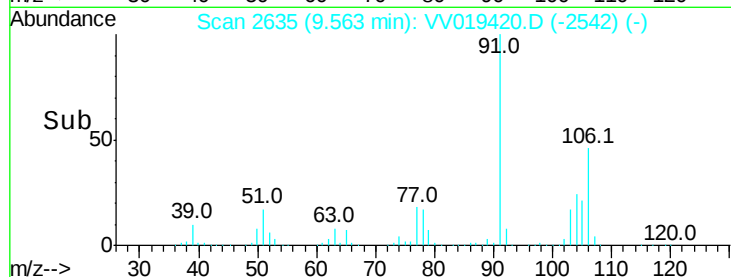
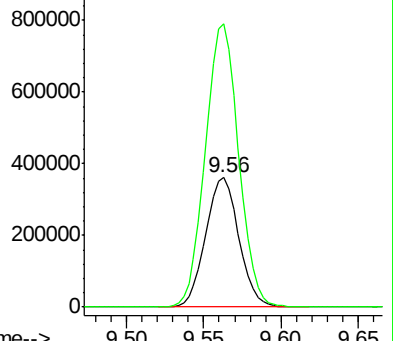
106 100

91 218.3 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 118.757 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019420.D

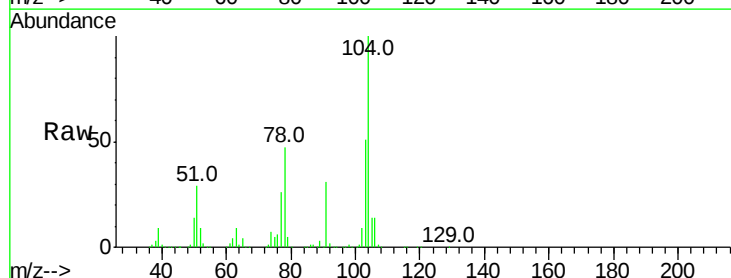
Acq: 23 Nov 2020 13:41

Tgt Ion:104 Resp: 977337

Ion Ratio Lower Upper

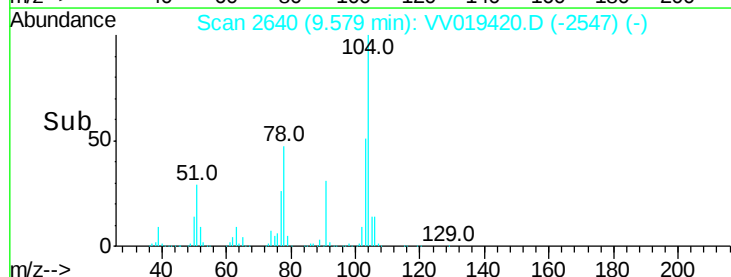
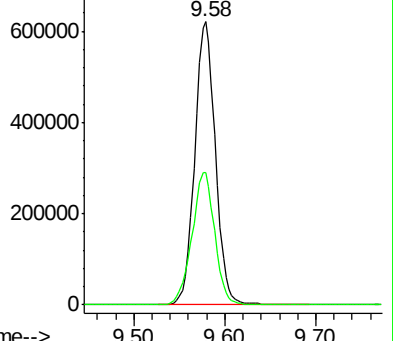
104 100

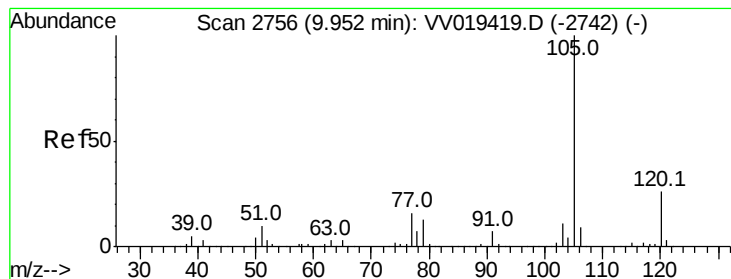
78 46.6 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 111.975 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

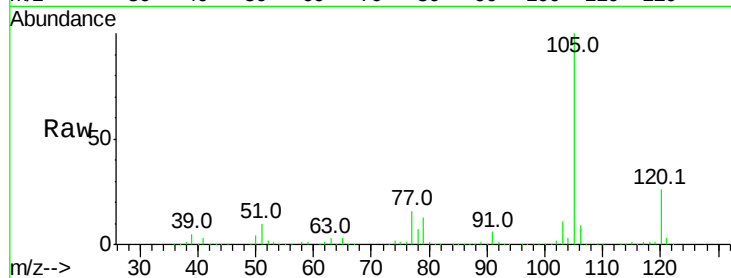
Tgt Ion:105 Resp: 1399142

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

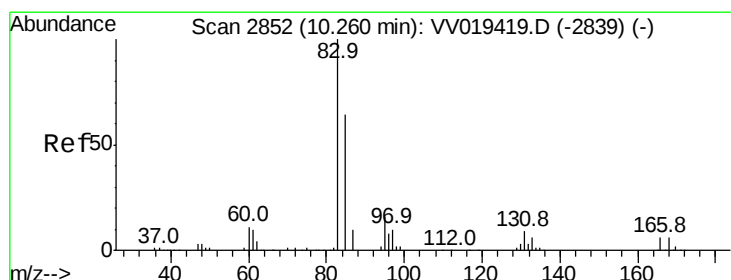
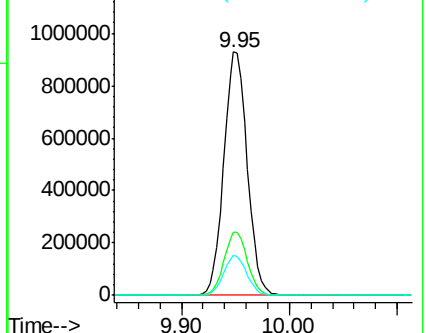
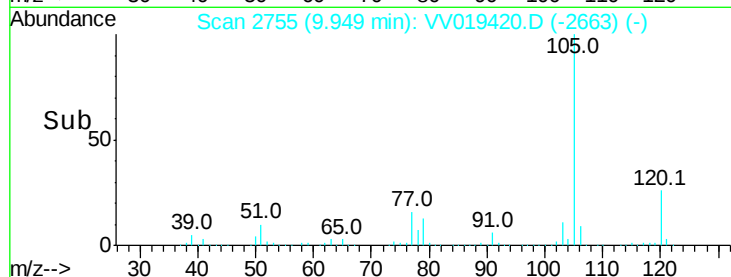
77 16.1 13.1 19.7



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: 144.258 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

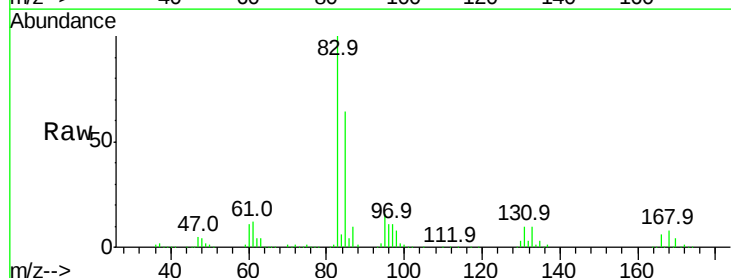
Tgt Ion: 83 Resp: 513337

Ion Ratio Lower Upper

83 100

85 63.8 44.8 83.2

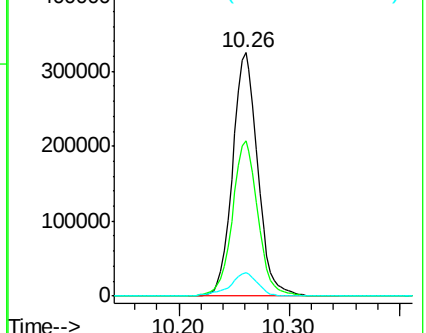
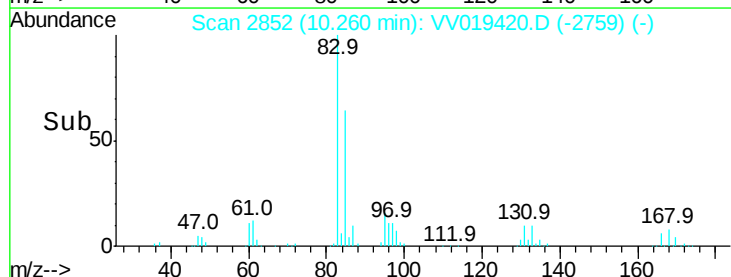
131 9.7 7.2 10.8

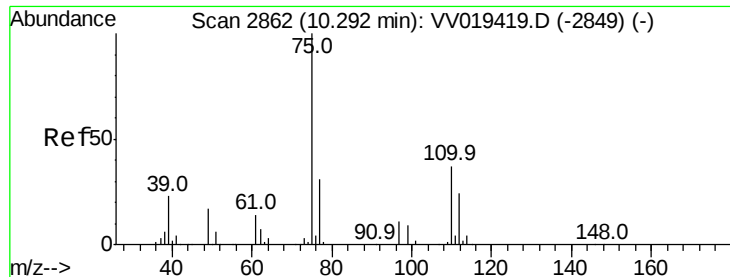


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 136.643 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

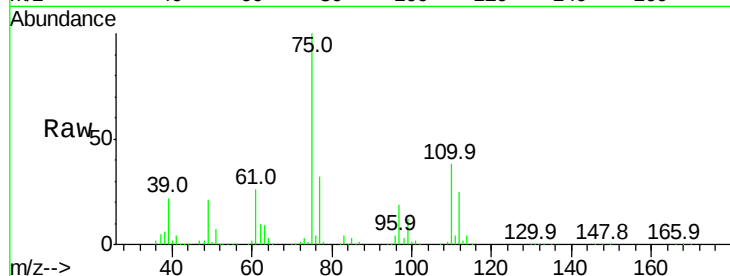
VSTD10061

Tgt Ion: 75 Resp: 448012

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.29

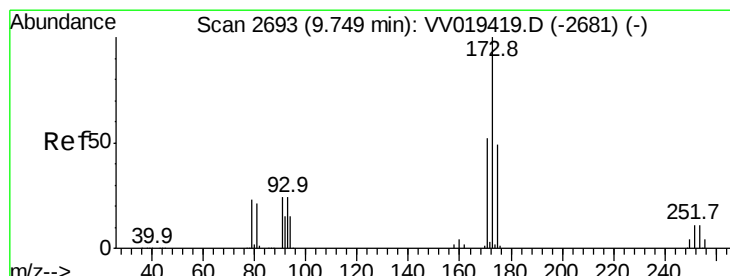
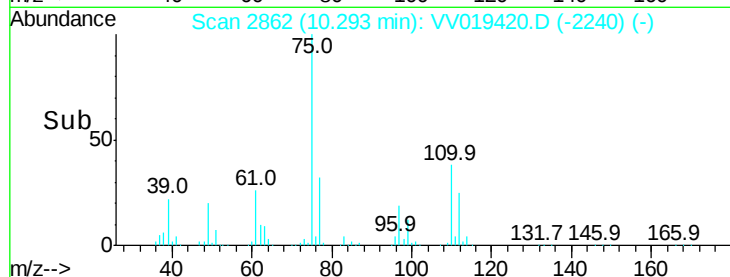
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 107.706 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

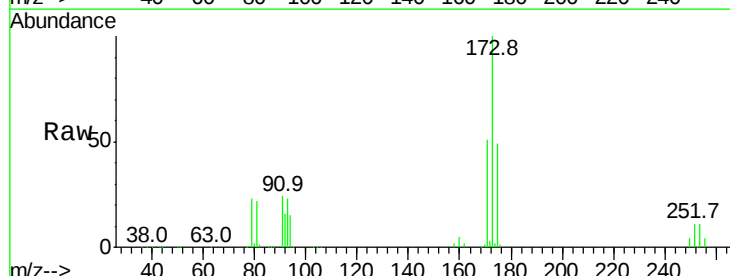
Tgt Ion: 173 Resp: 277591

Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 10.8 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

200000

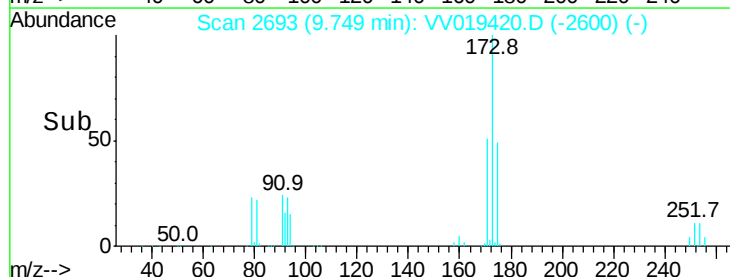
150000

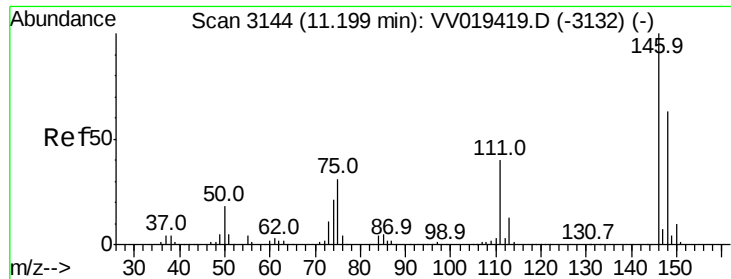
100000

50000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 109.302 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

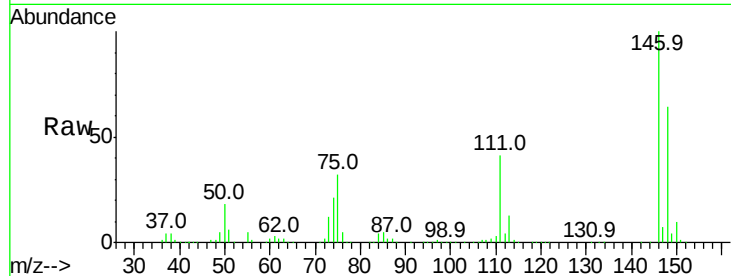
Tgt Ion:146 Resp: 695192

Ion Ratio Lower Upper

146 100

111 41.4 27.9 51.7

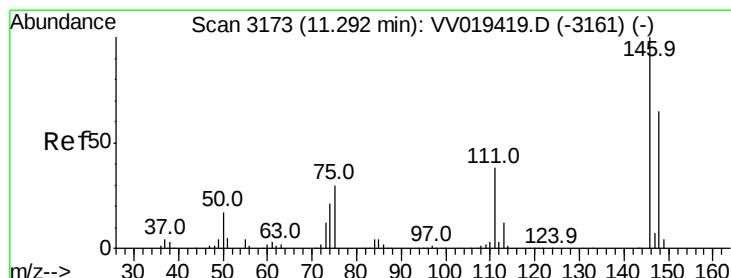
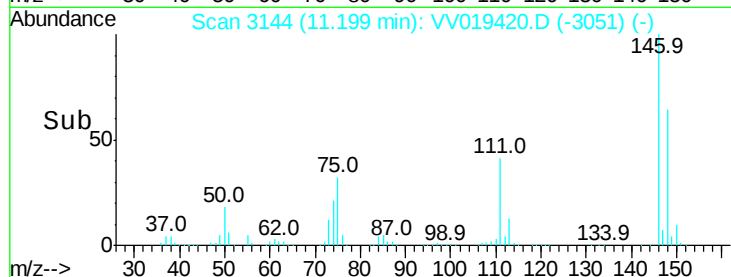
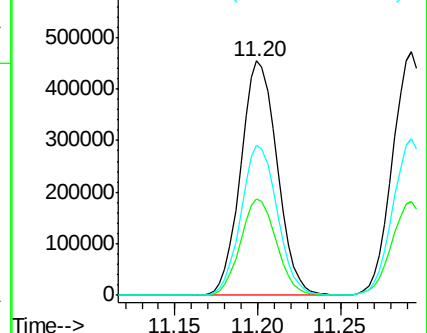
148 64.1 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 106.800 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

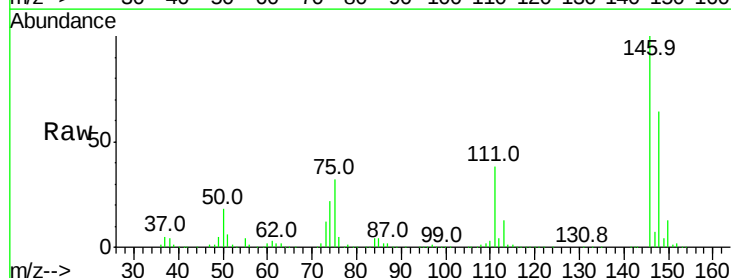
Tgt Ion:146 Resp: 710591

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

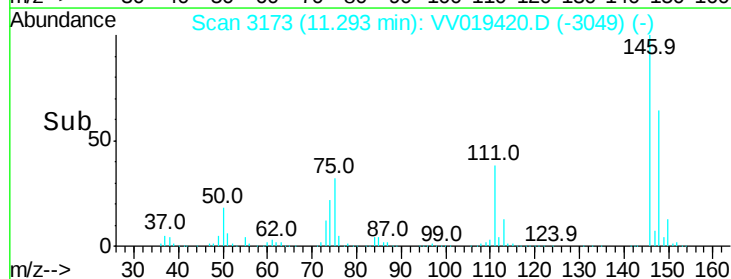
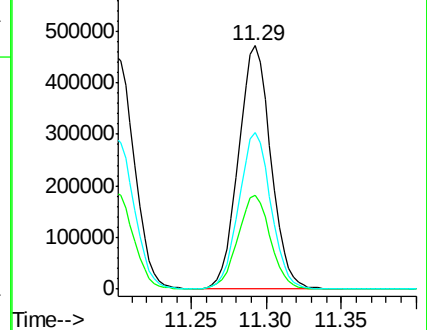
148 64.4 45.2 84.0

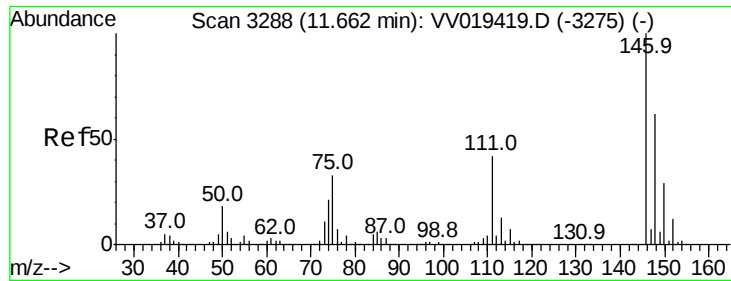


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 110.286 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

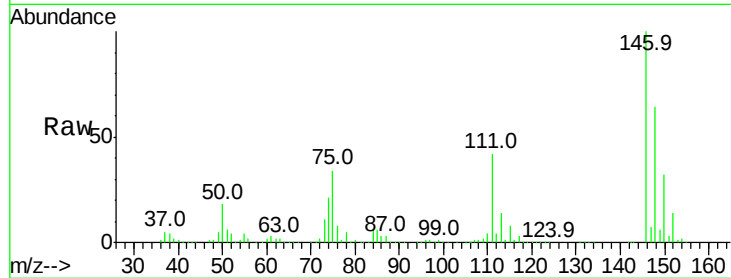
Tgt Ion:146 Resp: 709725

Ion Ratio Lower Upper

146 100

111 42.4 33.8 50.8

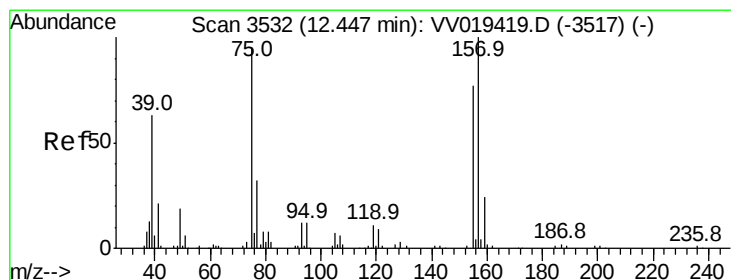
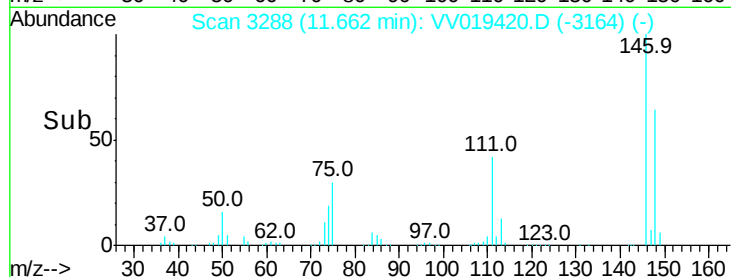
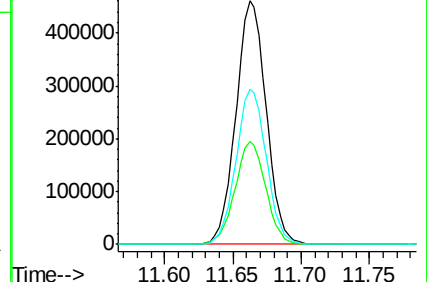
148 63.7 49.8 74.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 143.764 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

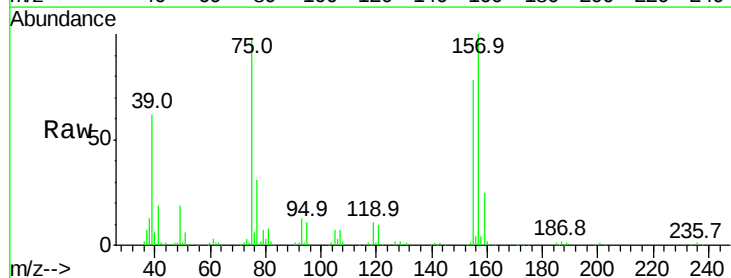
Tgt Ion: 75 Resp: 133631

Ion Ratio Lower Upper

75 100

155 79.9 64.5 96.7

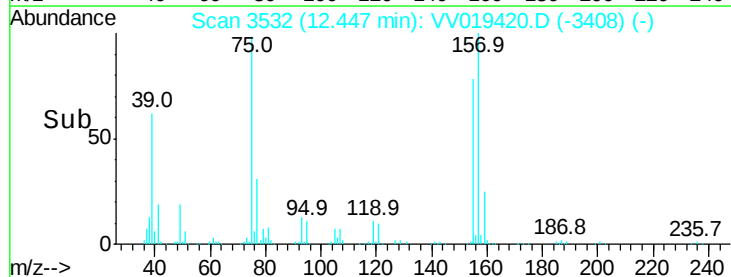
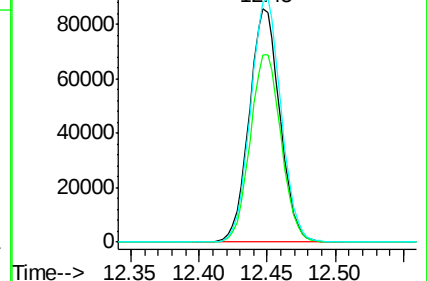
157 102.6 84.2 126.2

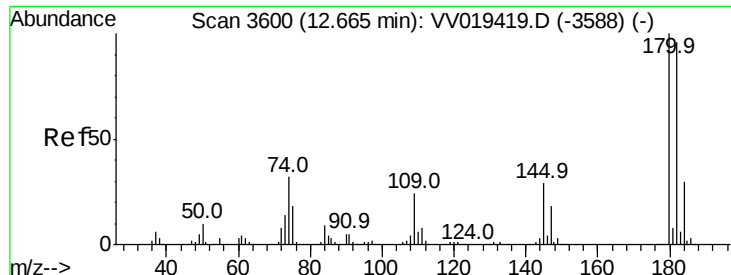


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

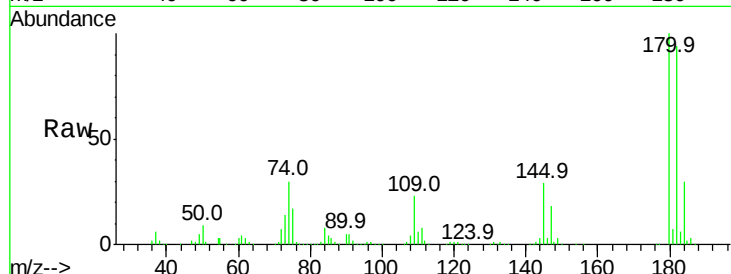




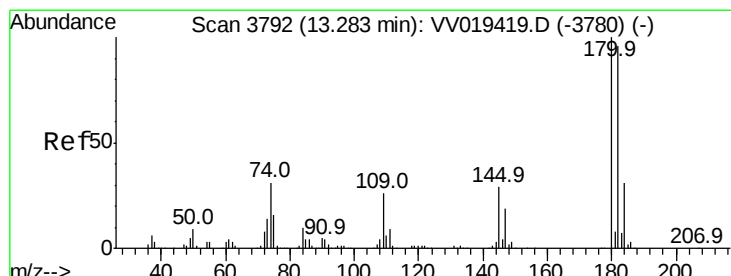
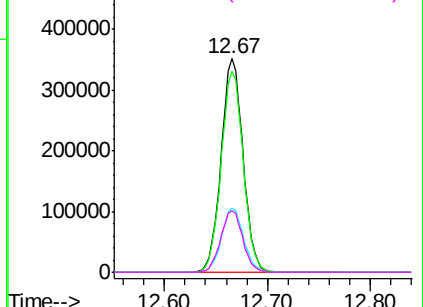
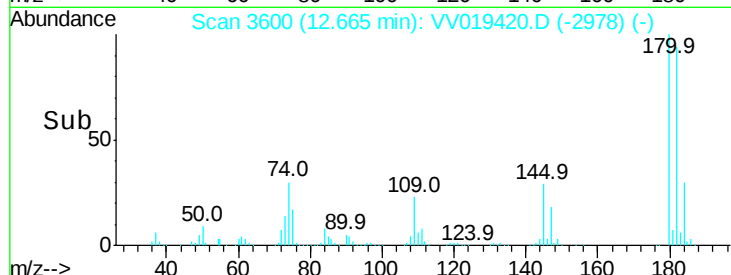
#67
 1,3,5-Trichlorobenzene
 Concen: 106.079 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Tgt Ion:180 Resp: 517220
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.4
 184 30.0 24.2 36.2
 145 28.9 23.2 34.8

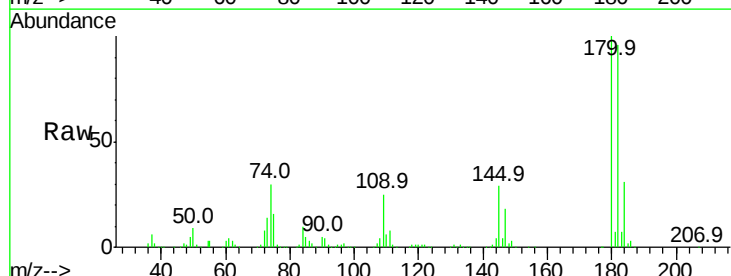


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

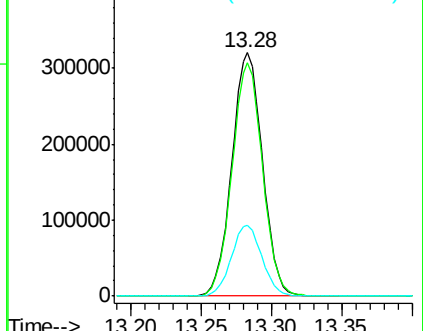
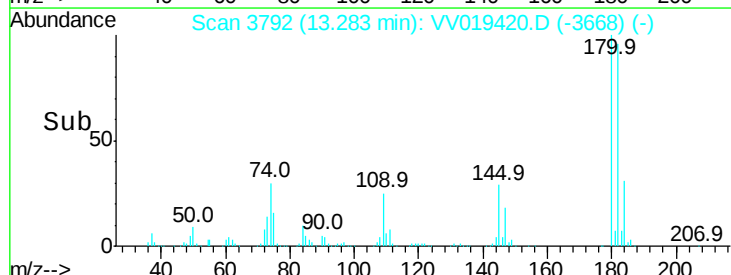


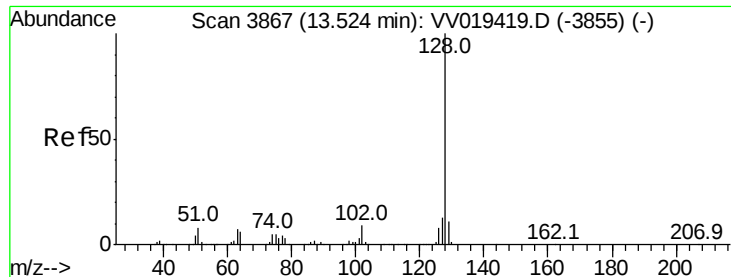
#68
 1,2,4-trichlorobenzene
 Concen: 110.955 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019420.D
 Acq: 23 Nov 2020 13:41

Tgt Ion:180 Resp: 486687
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.3 114.5
 145 29.1 23.4 35.2



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: 134.398 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

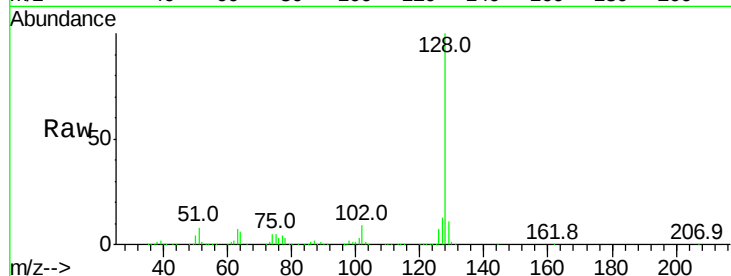
Tgt Ion:128 Resp: 1392208

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

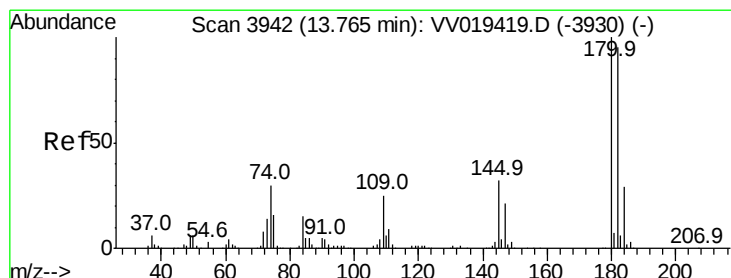
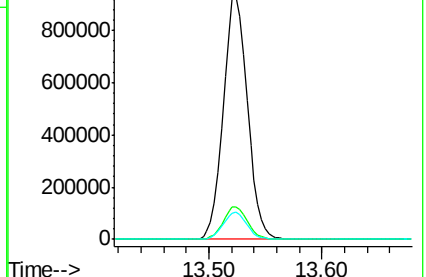
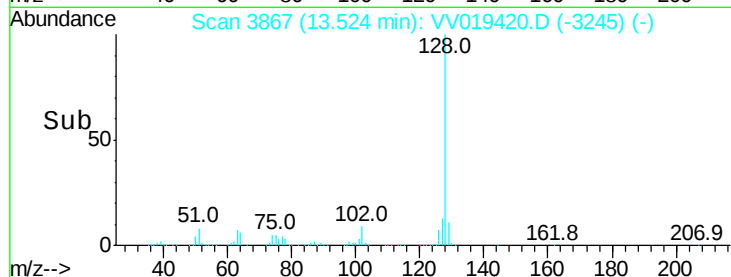
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 114.372 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019420.D

Acq: 23 Nov 2020 13:41

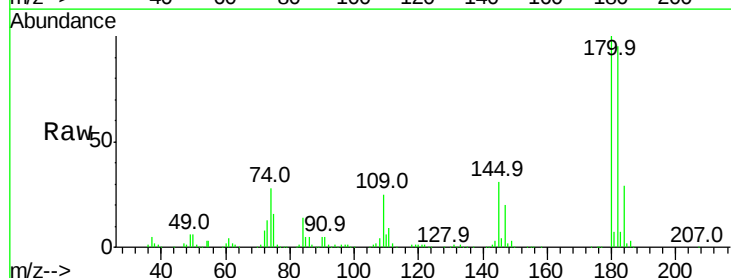
Tgt Ion:180 Resp: 504796

Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

145 30.9 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

