

Data File : VV013495.D
Acq On : 06 Nov 2019 12:16
Operator : SY/MD
Sample : VSTD20061
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

Quant Time: Nov 07 01:27:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	946424	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	915499	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	501918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1076205	174.61	ug/L	0.00
7) Chloroethane-d5	1.57	69	873822	181.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1923481	206.38	ug/L	0.00
21) 2-Butanone-d5	3.92	46	1828496	425.85	ug/L	0.00
24) Chloroform-d	4.40	84	2449008	183.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1544969	192.19	ug/L	0.00
32) Benzene-d6	5.10	84	4890584	177.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	1561306	180.83	ug/L	0.00
41) Toluene-d8	7.36	98	4561569	183.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	790765	206.16	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	1393253	506.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	2052659	181.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1946914	172.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1539405	188.174	ug/L	98
3) Chloromethane	1.25	50	1547370	238.161	ug/L	99
5) Vinyl chloride	1.32	62	1407230	215.112	ug/L	100
6) Bromomethane	1.52	94	697734	209.889	ug/L	97
8) Chloroethane	1.59	64	790641	214.396	ug/L	99
9) Trichlorofluoromethane	1.77	101	1846175	203.850	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1030498	203.337	ug/L	99
12) 1,1-Dichloroethene	2.14	96	1002793	205.372	ug/L	90
13) Acetone	2.18	43	1444827	427.896	ug/L	98
14) Carbon disulfide	2.32	76	3494143	207.063	ug/L	99
15) Methyl Acetate	2.45	43	1437445	212.954	ug/L	99
16) Methylene chloride	2.53	84	1353240	189.396	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	1272130	192.420	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	4035957	207.829	ug/L	100
19) 1,1-Dichloroethane	3.23	63	2421167	200.001	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	1447168	201.784	ug/L	98
22) 2-Butanone	4.00	43	2206402	463.405	ug/L	98
23) Bromochloromethane	4.29	128	739830	191.285	ug/L	98
25) Chloroform	4.42	83	2396692	193.743	ug/L	98
27) 1,2-Dichloroethane	5.17	62	1894714	206.997	ug/L	100
29) Cyclohexane	4.72	56	2319836	217.218	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	2079283	196.126	ug/L	98
31) Carbon tetrachloride	4.87	117	1874638	196.674	ug/L	99
33) Benzene	5.14	78	5295198	190.888	ug/L	100
34) Trichloroethene	5.96	95	1339116	184.297	ug/L	99
35) Methylcyclohexane	6.17	83	2305768	209.196	ug/L	99
37) 1,2-Dichloropropane	6.22	63	1405461	200.258	ug/L	99
38) Bromodichloromethane	6.55	83	1854951	200.357	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	2331782	222.354	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3861980	433.727	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	5608559	197.007	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	2057845	226.233	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	1300550	189.398	ug/L	99
46) Tetrachloroethene	8.02	164	1220755	189.920	ug/L	98
48) 2-Hexanone	8.18	43	3007945	422.454	ug/L	98
49) Dibromochloromethane	8.29	129	1564192	200.620	ug/L	98
50) 1,2-Dibromoethane	8.39	107	1398595	192.919	ug/L	98
51) Chlorobenzene	8.92	112	3664413	190.276	ug/L	100
52) Ethylbenzene	9.05	91	6272868	208.261	ug/L	100
53) m,p-Xylene	9.18	106	2425721	208.309	ug/L	96
54) o-xylene	9.59	106	2377137	208.941	ug/L	100
55) Styrene	9.60	104	4108600	213.134	ug/L	99
56) Isopropylbenzene	9.97	105	6194319	212.612	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	2044879	193.480	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	1636185	187.529	ug/L	99
61) Bromoform	9.77	173	1248192	191.810	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	3063973	190.032	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	3109371	185.724	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	3037329	183.322	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	446997	192.895	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	2503331	204.662	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	2307645	224.511	ug/L	100
69) Naphthalene	13.55	128	6319508	230.340	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	2290181	209.513	ug/L	99

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

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ClientSampleId :
VSTD20061

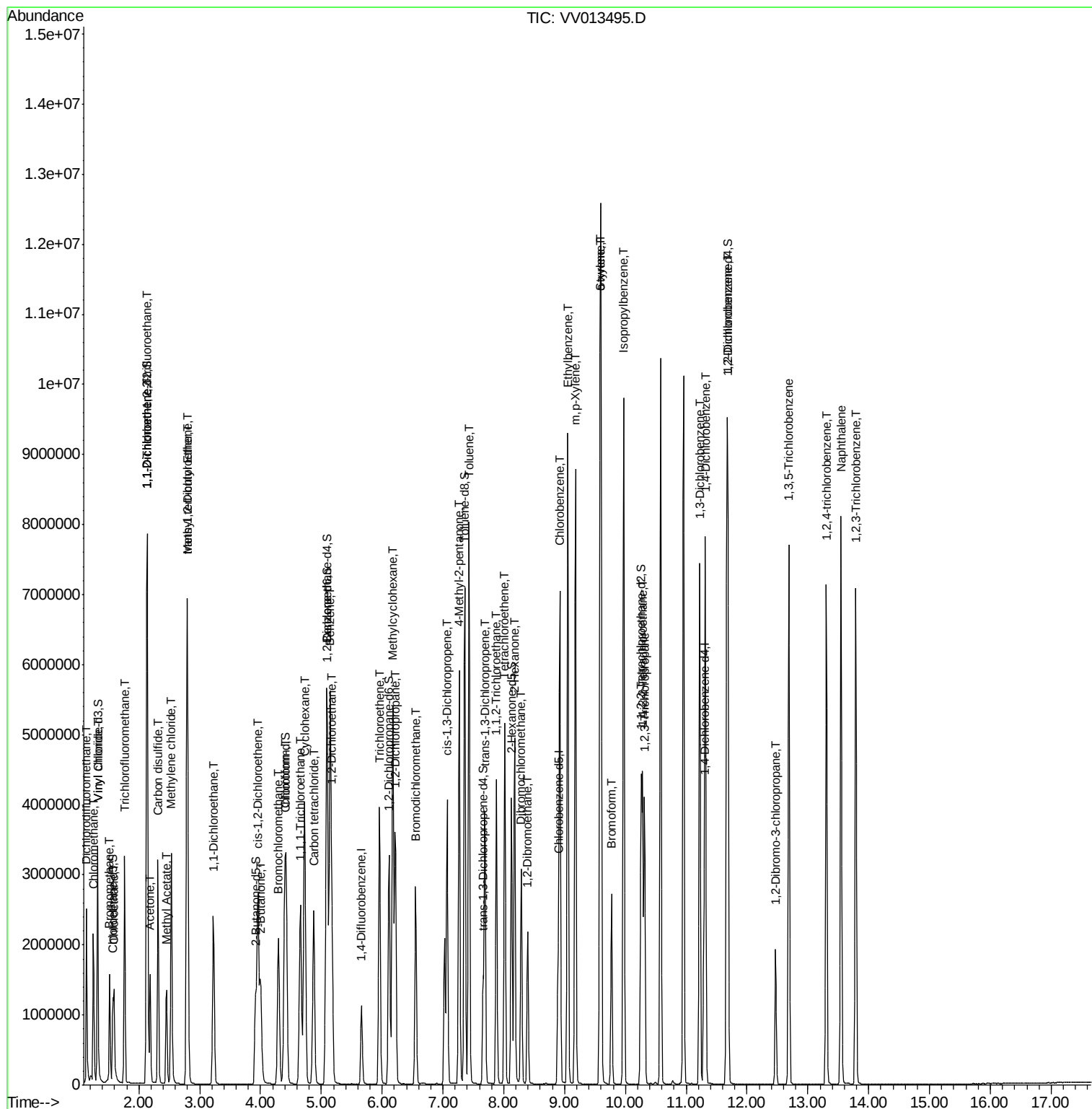
Quant Time: Nov 07 01:27:15 2019

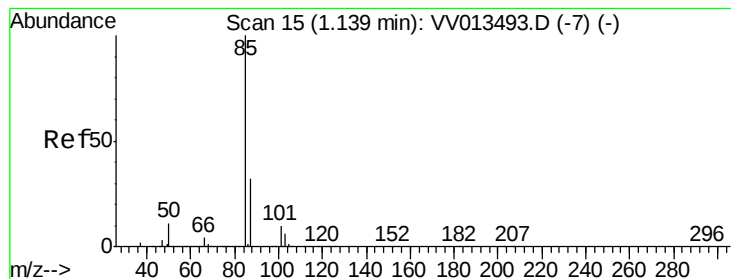
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:22:49 2019

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#2

Dichlorodifluoromethane

Concen: 188.174 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

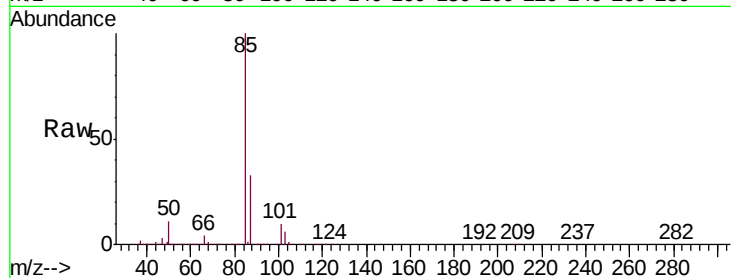
VSTD20061

Tgt Ion: 85 Resp: 1539405

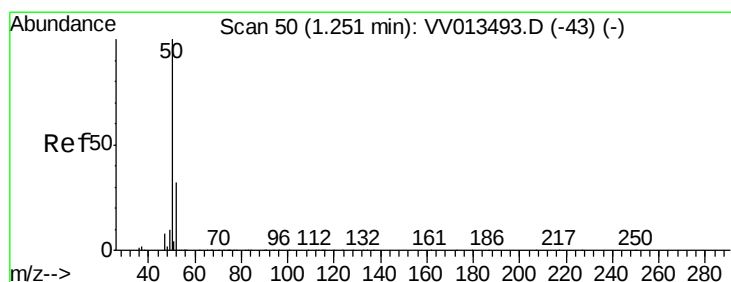
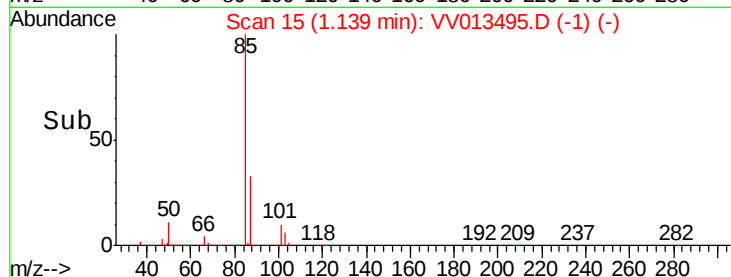
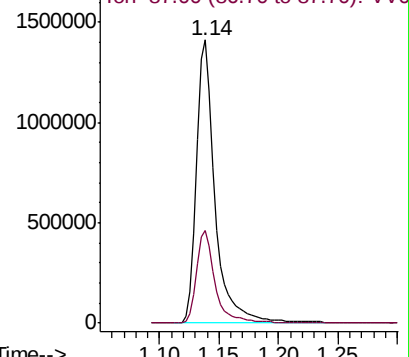
Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV013495.D (-7) (-)



#3

Chloromethane

Concen: 238.161 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013495.D

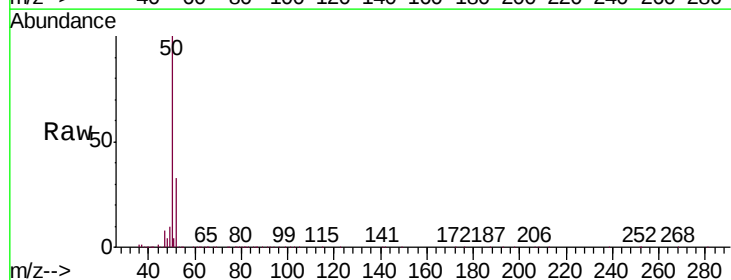
Acq: 06 Nov 2019 12:16

Tgt Ion: 50 Resp: 1547370

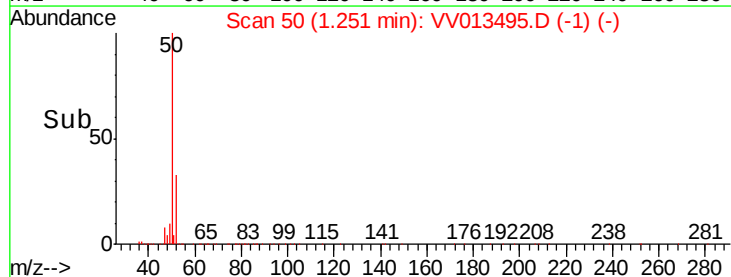
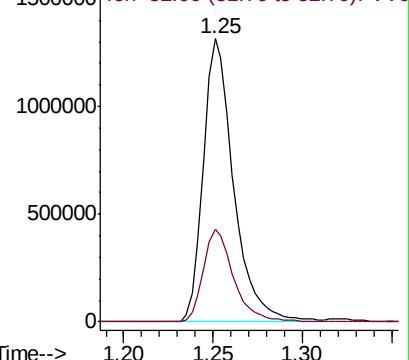
Ion Ratio Lower Upper

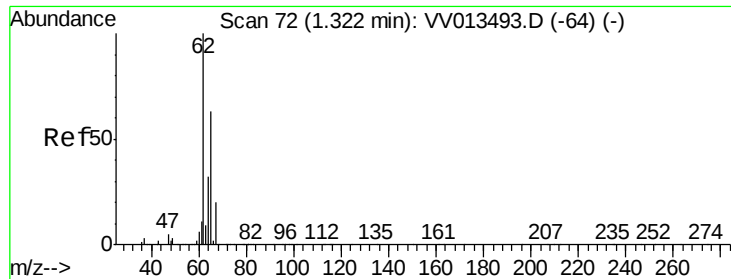
50 100

52 32.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV013495.D (-43) (-)





#5

Vinyl chloride

Concen: 215.112 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

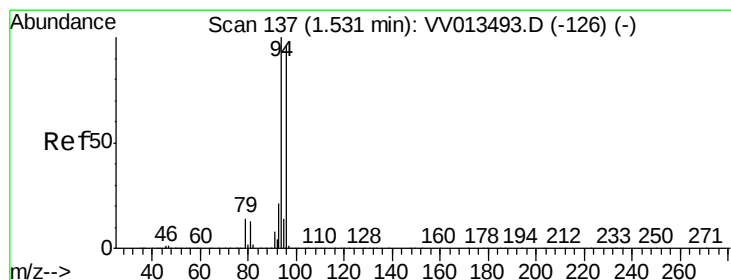
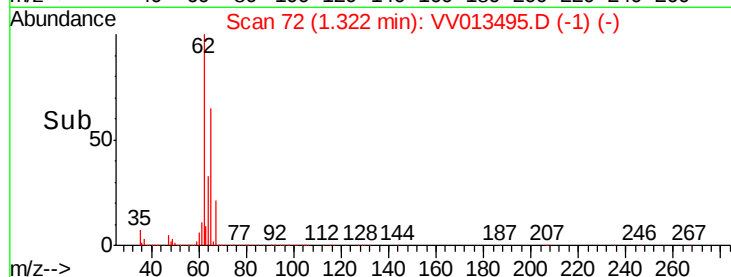
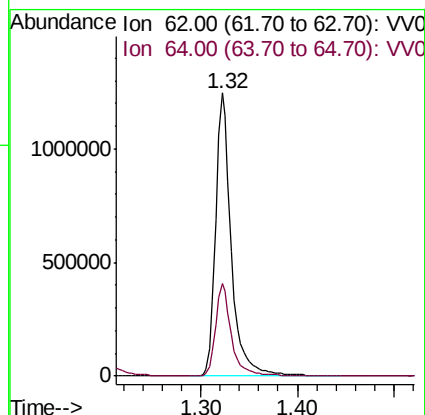
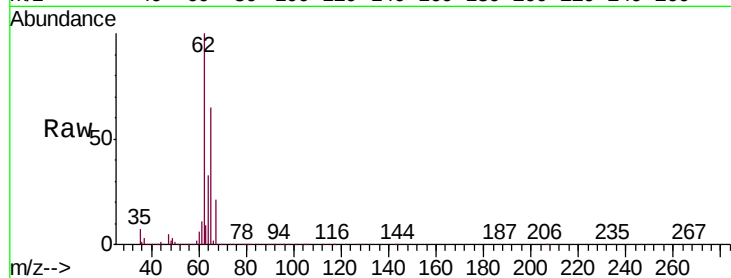
VSTD20061

Tgt Ion: 62 Resp: 1407230

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 209.889 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV013495.D

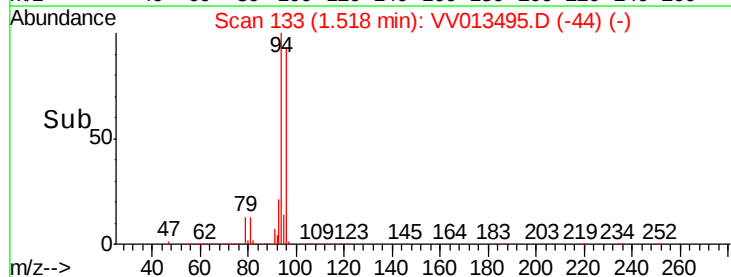
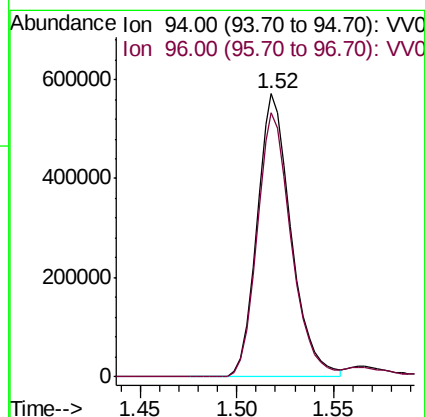
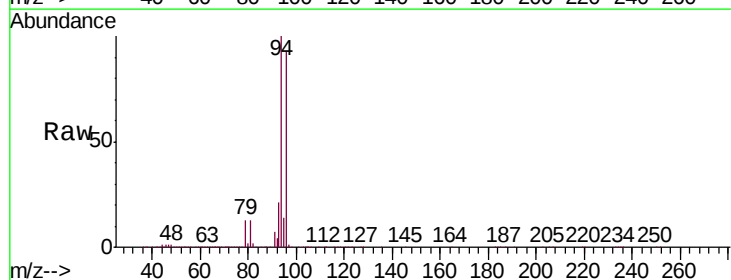
Acq: 06 Nov 2019 12:16

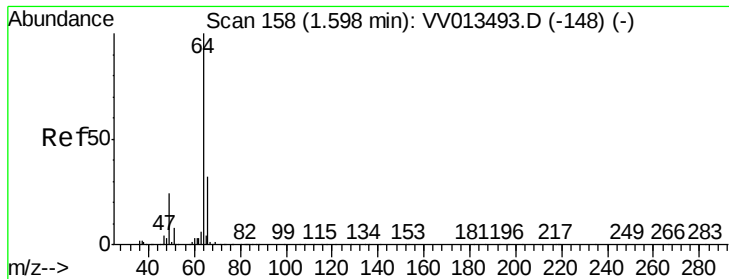
Tgt Ion: 94 Resp: 697734

Ion Ratio Lower Upper

94 100

96 93.4 67.4 125.2





#8

Chloroethane

Concen: 214.396 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

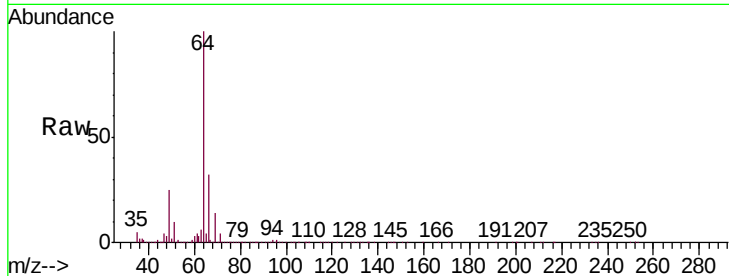
VSTD20061

Tgt Ion: 64 Resp: 790641

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV013495.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV013495.D (-148) (-)

1.59

600000

500000

400000

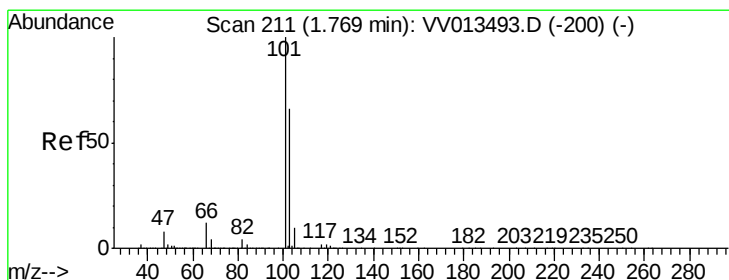
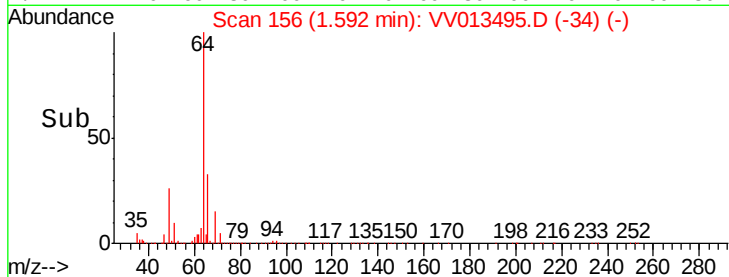
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 203.850 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013495.D

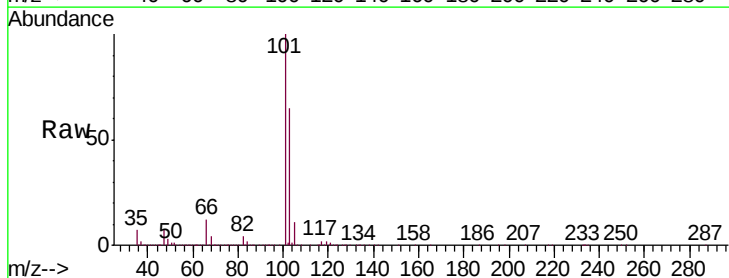
Acq: 06 Nov 2019 12:16

Tgt Ion: 101 Resp: 1846175

Ion Ratio Lower Upper

101 100

103 64.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV013495.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013495.D (-200) (-)

1.77

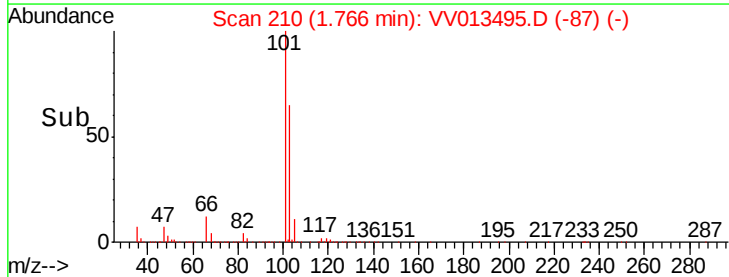
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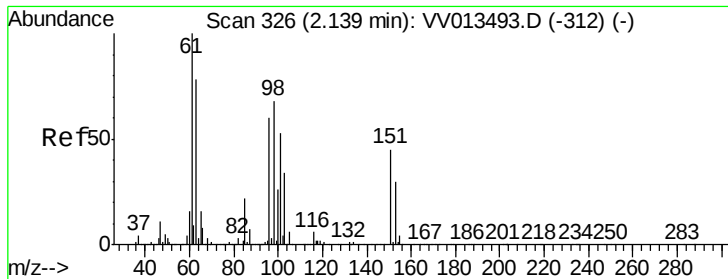
1000000

500000

0

Time-->





#10

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

Concen: 203.337 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

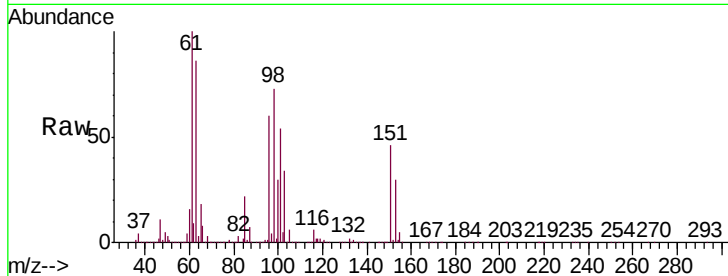
Tgt Ion:101 Resp: 1030498

Ion Ratio Lower Upper

101 100

85 41.1 33.3 49.9

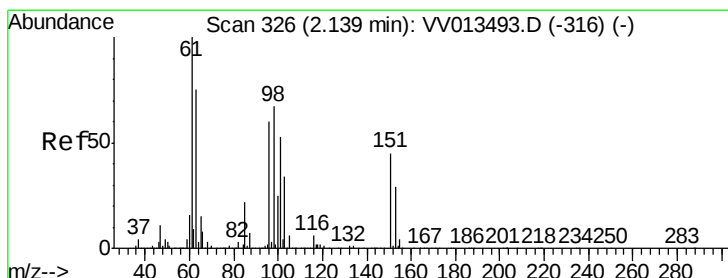
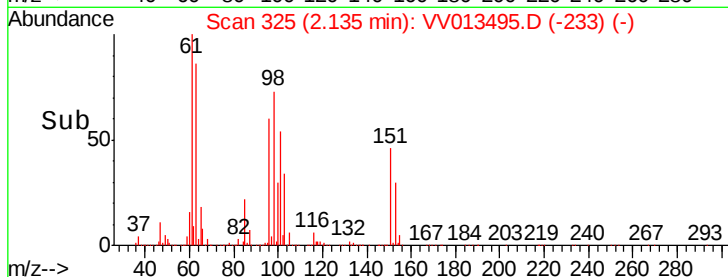
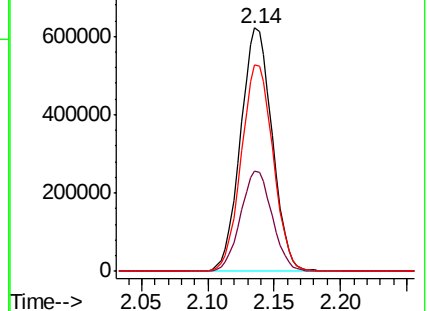
151 85.6 69.5 104.3



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: 205.372 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

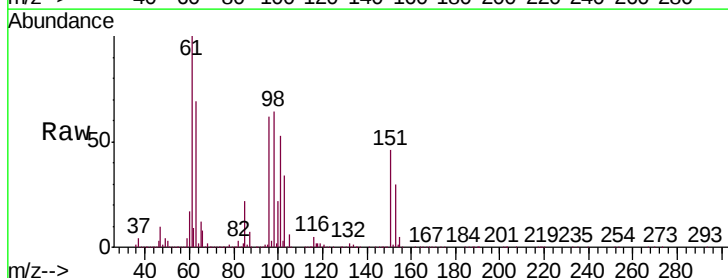
Tgt Ion: 96 Resp: 1002793

Ion Ratio Lower Upper

96 100

61 161.2 116.9 217.1

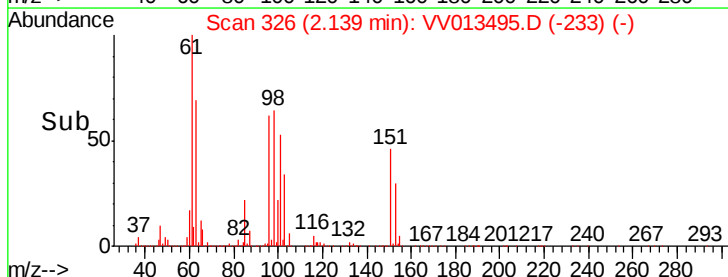
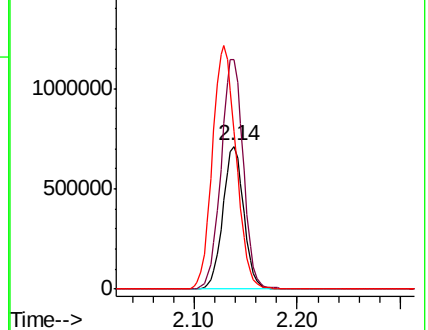
63 110.9 91.5 169.9

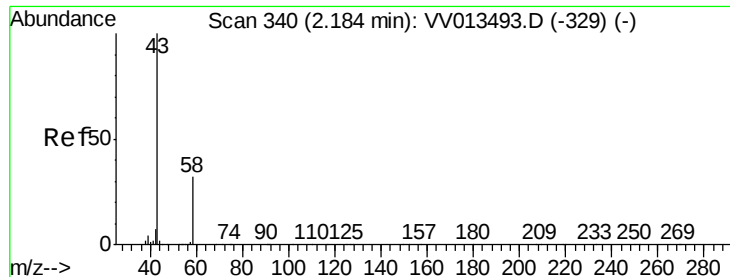


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 427.896 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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ClientSampleId :

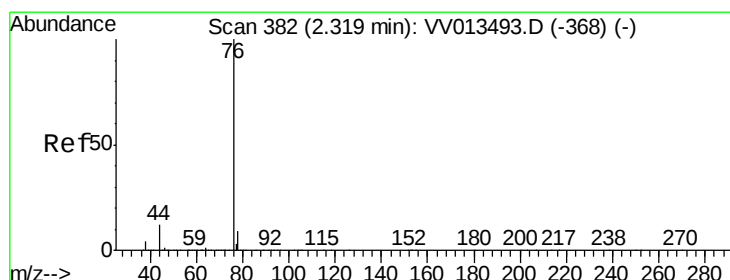
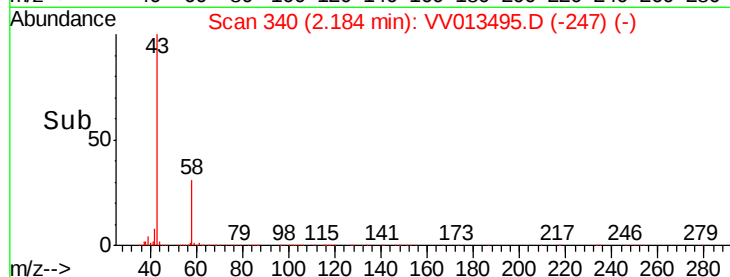
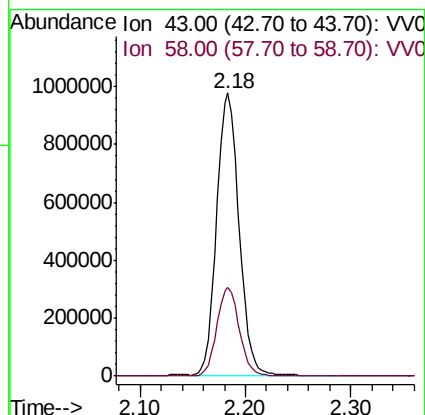
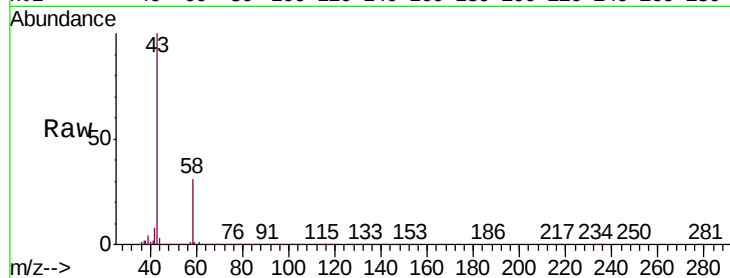
VSTD20061

Tgt Ion: 43 Resp: 1444827

Ion Ratio Lower Upper

43 100

58 31.3 0.0 65.2



#14

Carbon disulfide

Concen: 207.063 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013495.D

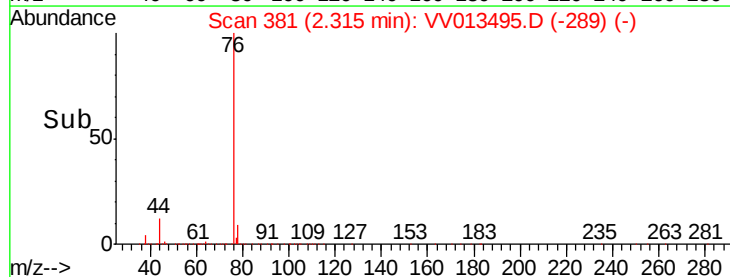
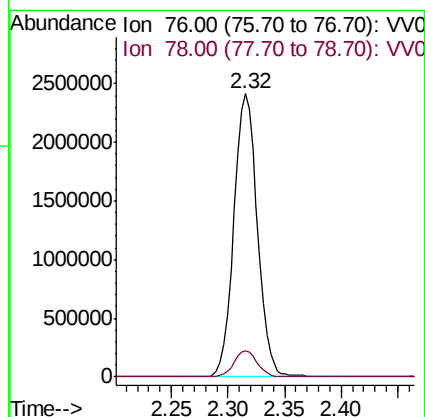
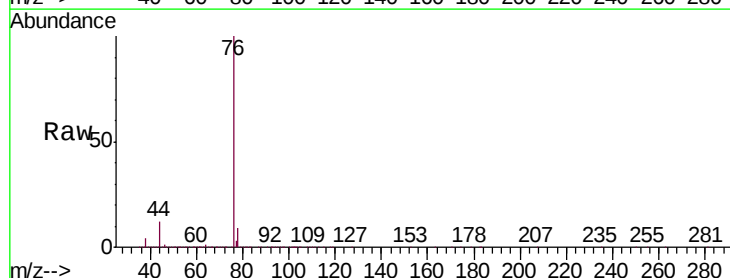
Acq: 06 Nov 2019 12:16

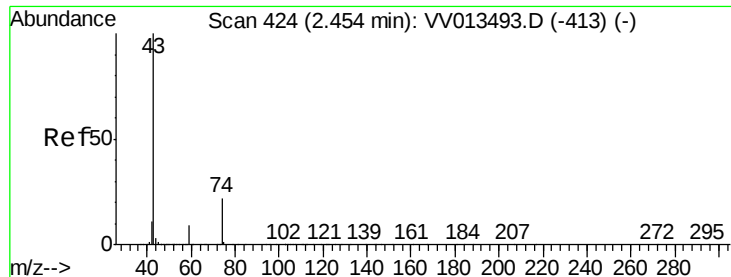
Tgt Ion: 76 Resp: 3494143

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

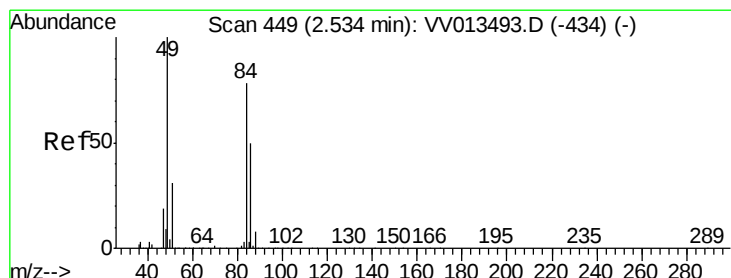
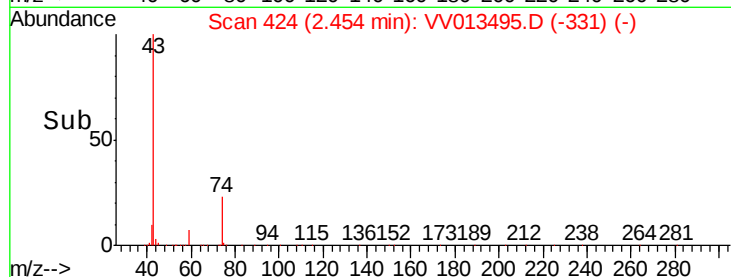
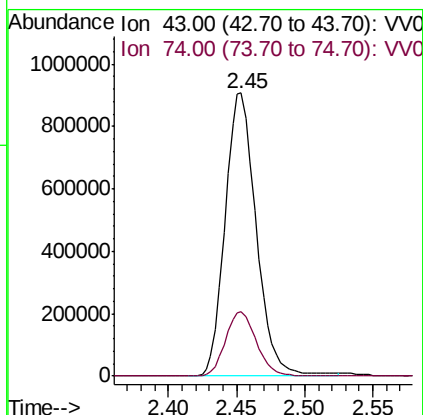
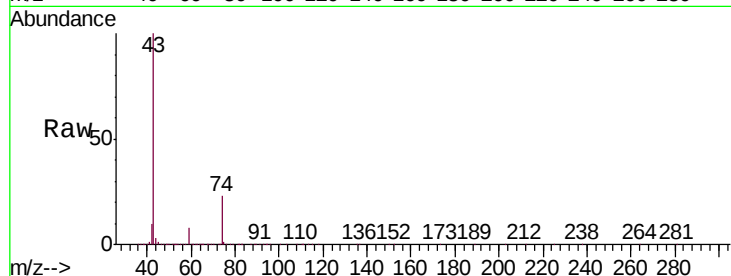




#15
Methyl Acetate
Concen: 212.954 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

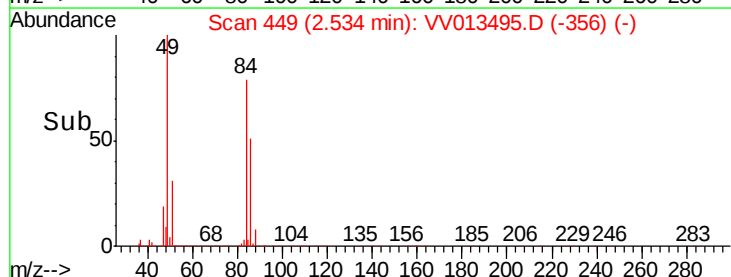
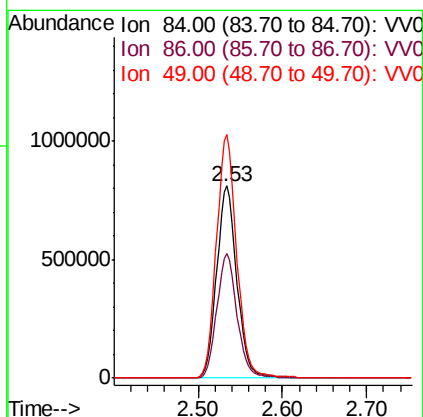
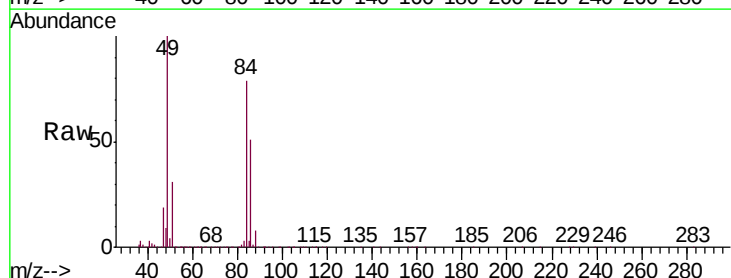
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

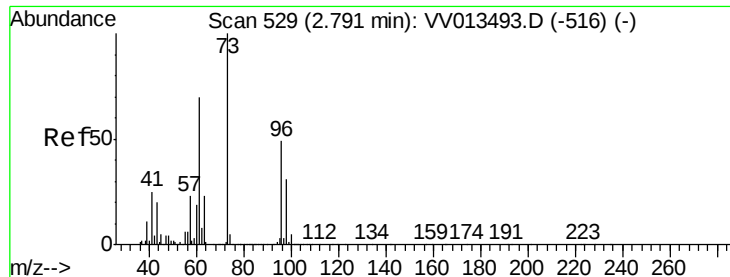
Tgt Ion: 43 Resp: 1437445
Ion Ratio Lower Upper
43 100
74 22.6 17.7 26.5



#16
Methylene chloride
Concen: 189.396 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

Tgt Ion: 84 Resp: 1353240
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 126.8 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 192.420 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

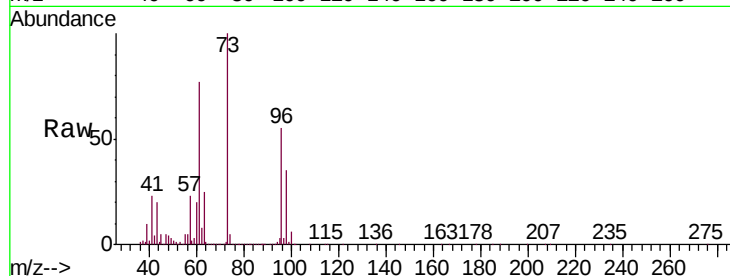
Tgt Ion: 96 Resp: 1272130

Ion Ratio Lower Upper

96 100

61 141.4 100.4 186.6

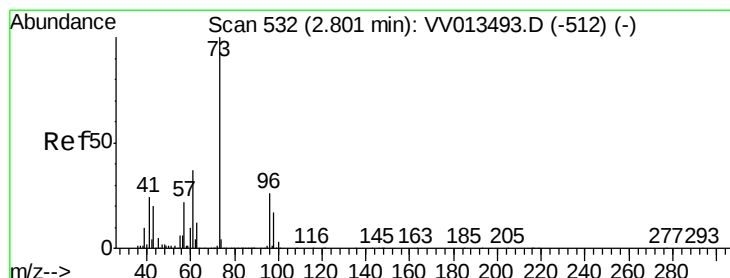
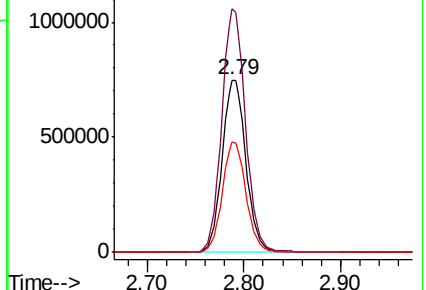
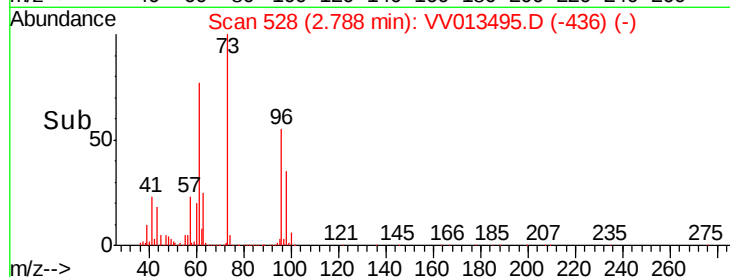
98 63.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 207.829 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

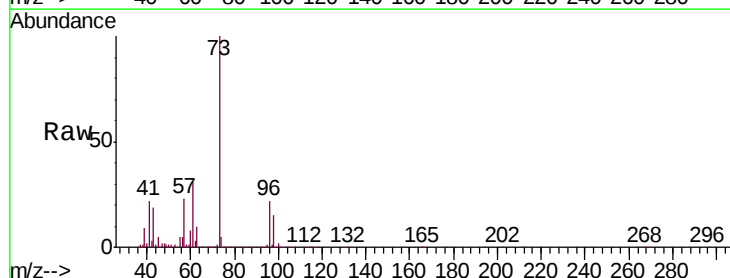
Tgt Ion: 73 Resp: 4035957

Ion Ratio Lower Upper

73 100

43 19.3 15.7 23.5

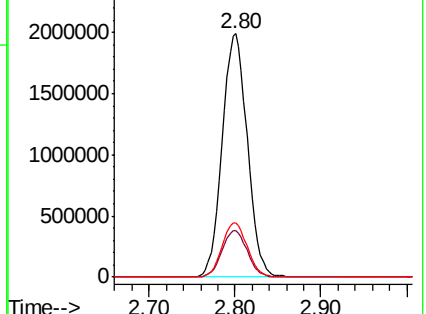
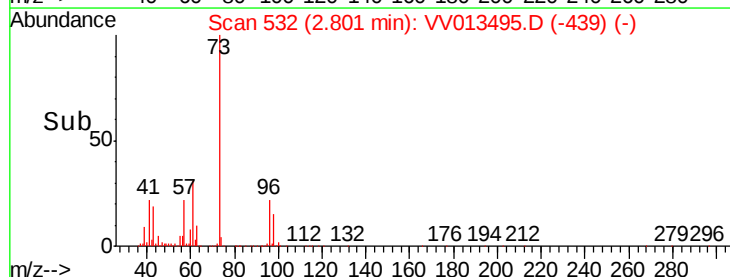
57 22.5 18.1 27.1

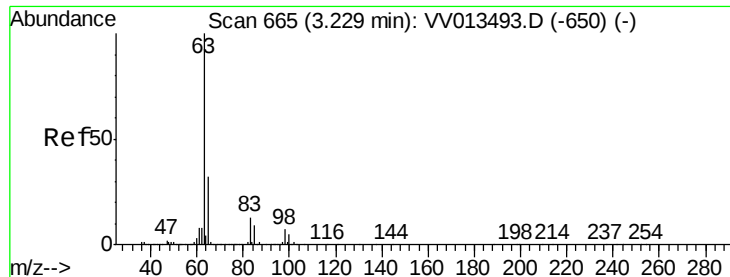


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 200.001 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

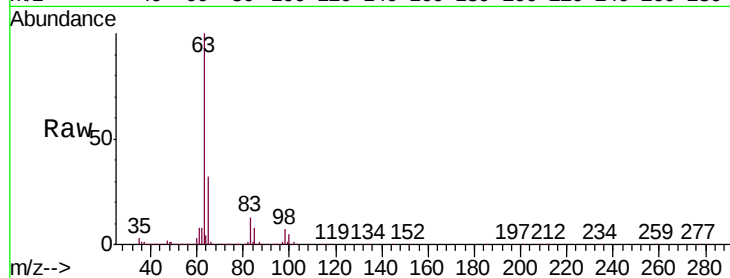
Tgt Ion: 63 Resp: 2421167

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

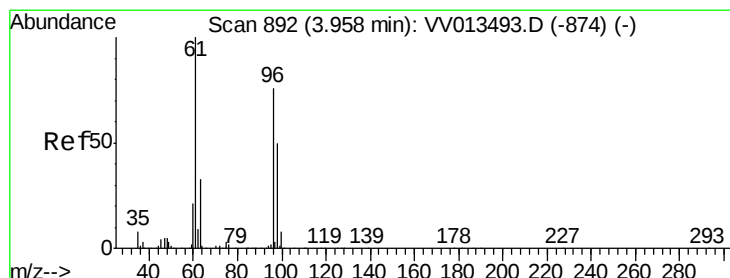
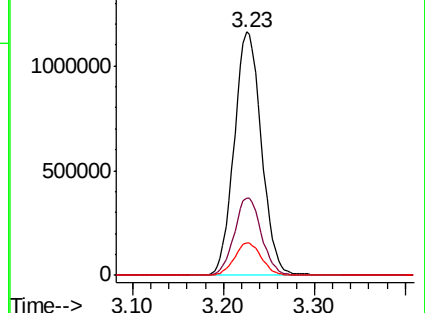
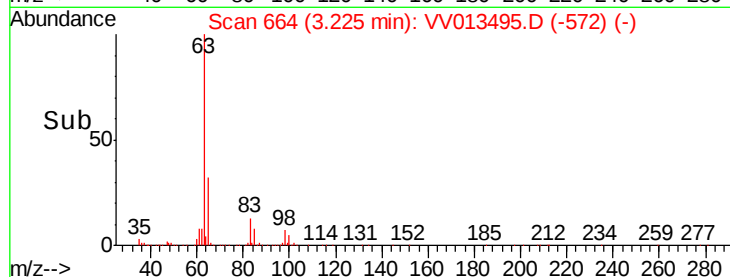
83 13.4 8.9 16.5



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



#20

cis-1,2-Dichloroethene

Concen: 201.784 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

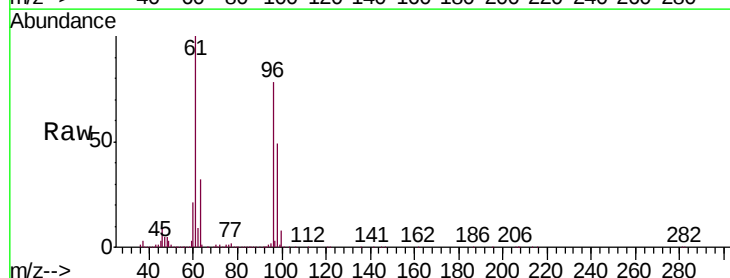
Tgt Ion: 96 Resp: 1447168

Ion Ratio Lower Upper

96 100

61 128.7 92.1 171.1

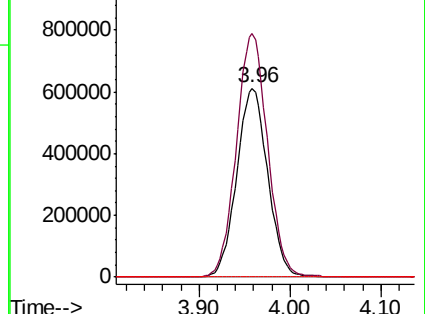
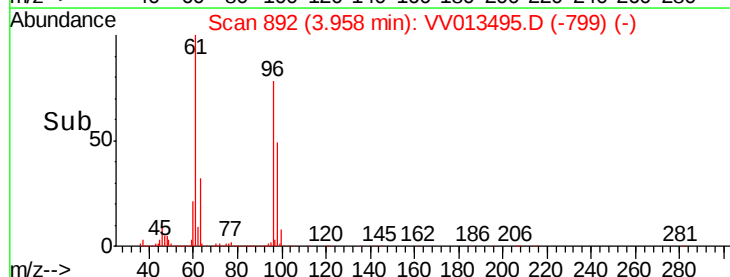
68 0.0 0.0 0.0

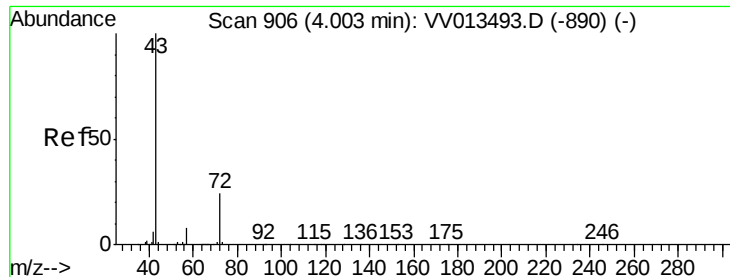


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 463.405 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

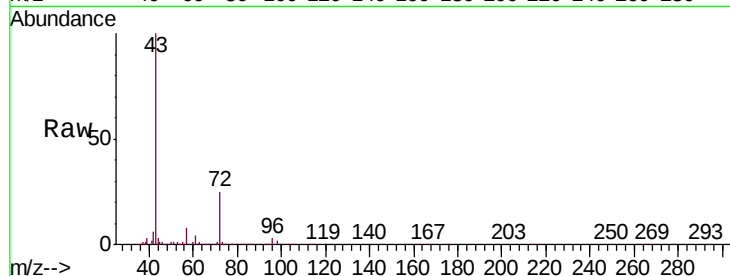
VSTD20061

Tgt Ion: 43 Resp: 2206402

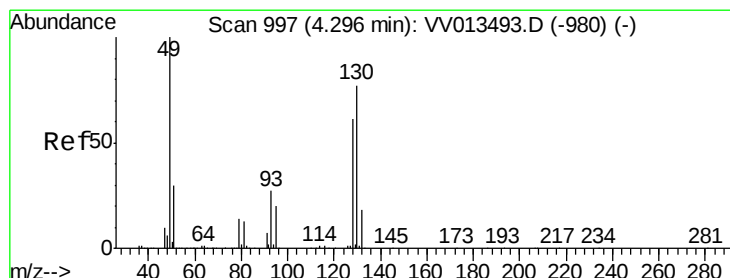
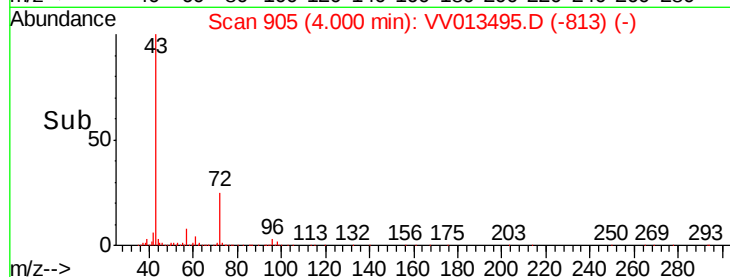
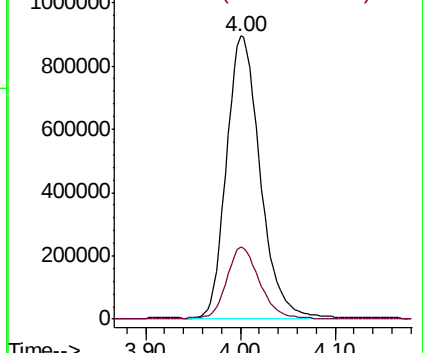
Ion Ratio Lower Upper

43 100

72 25.4 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV013493.D (-890) (-)



#23

Bromochloromethane

Concen: 191.285 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Tgt Ion: 128 Resp: 739830

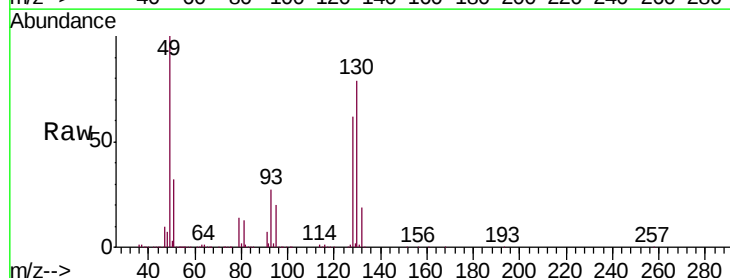
Ion Ratio Lower Upper

128 100

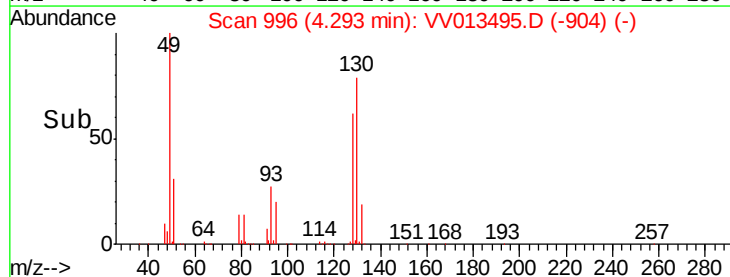
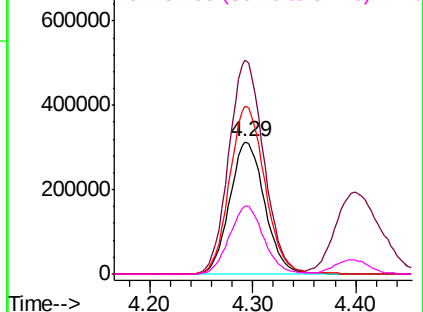
49 161.6 115.8 215.2

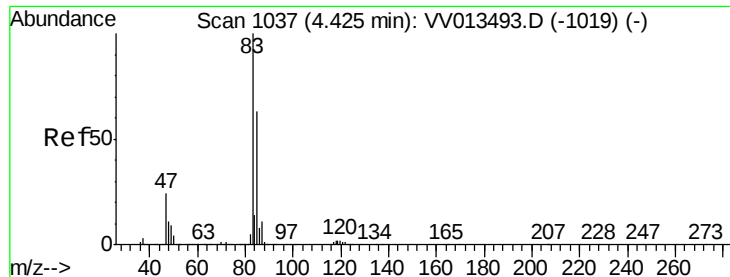
130 127.1 89.1 165.5

51 51.1 40.0 60.0



Abundance Ion 128.00 (127.70 to 128.70): VV013493.D (-980) (-)





#25

Chloroform

Concen: 193.743 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampled :

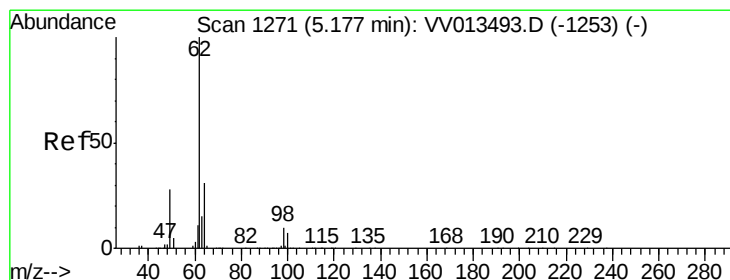
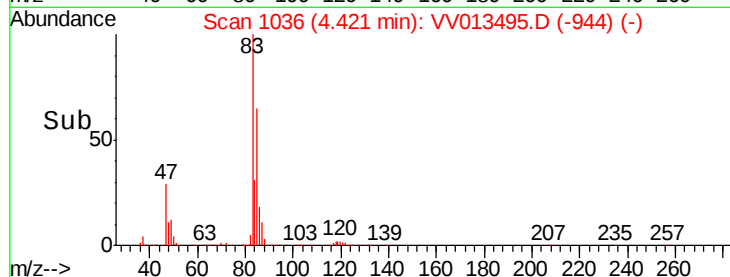
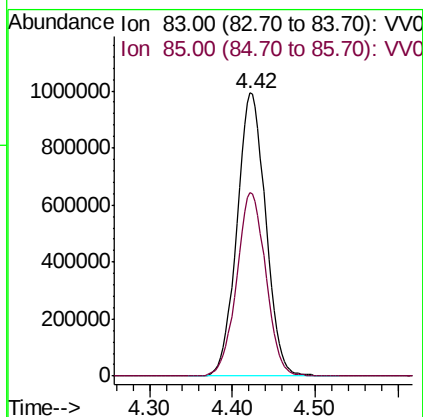
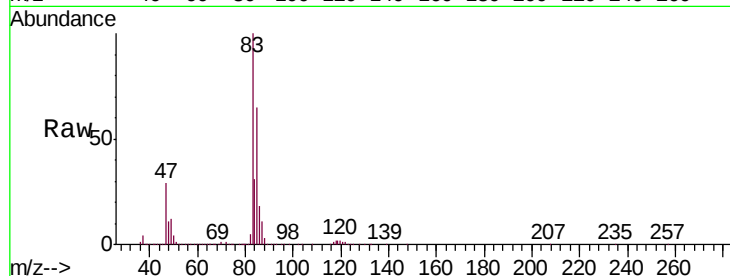
VSTD20061

Tgt Ion: 83 Resp: 2396692

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.5



#27

1,2-Dichloroethane

Concen: 206.997 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV013495.D

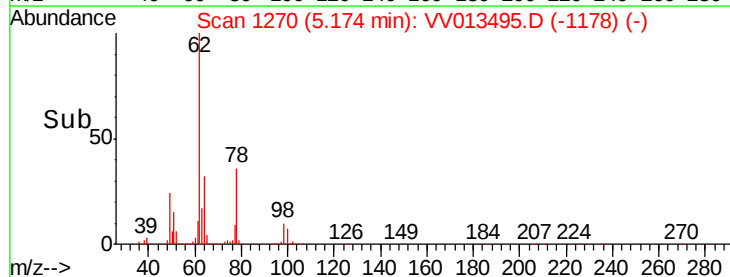
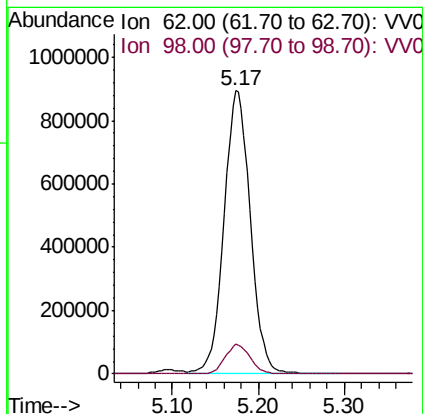
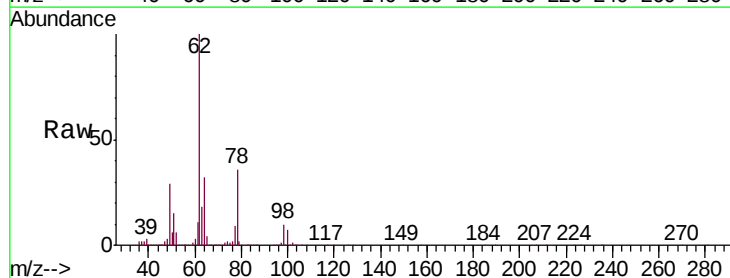
Acq: 06 Nov 2019 12:16

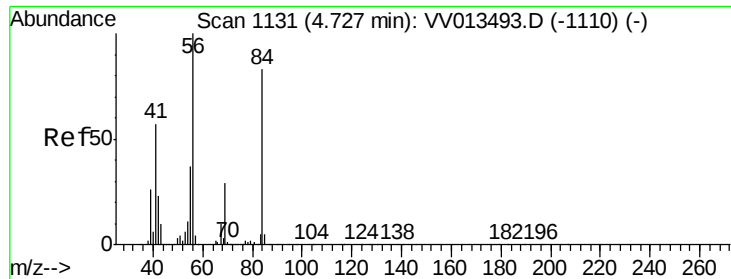
Tgt Ion: 62 Resp: 1894714

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.4

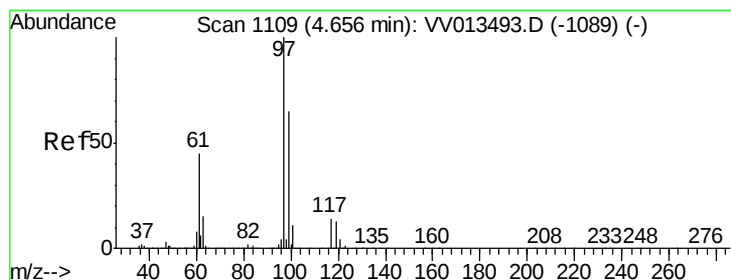
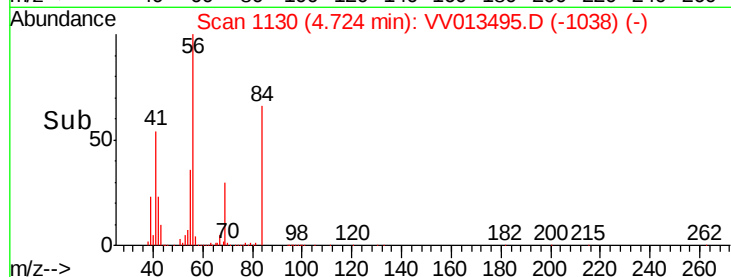
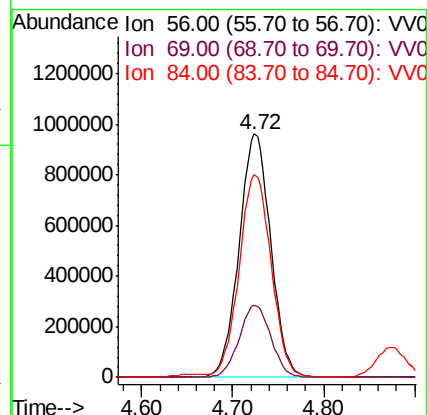
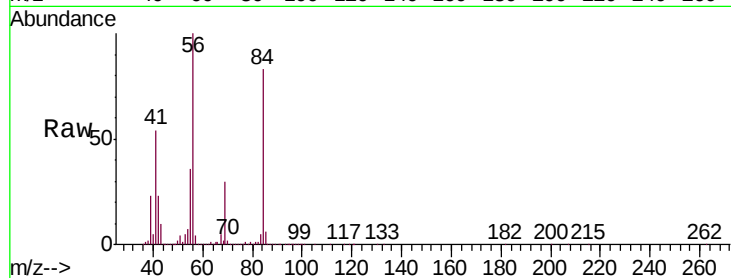




#29
Cyclohexane
Concen: 217.218 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

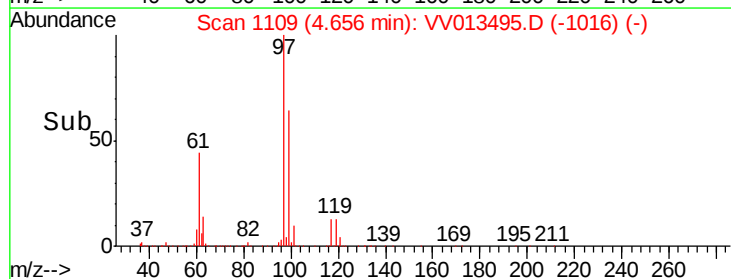
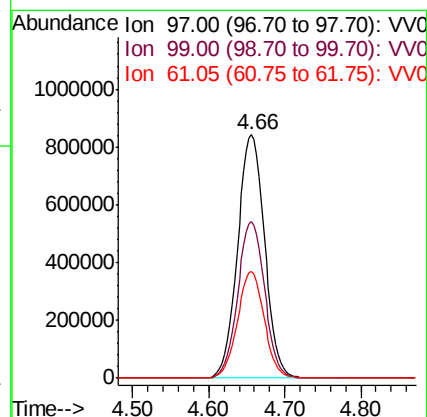
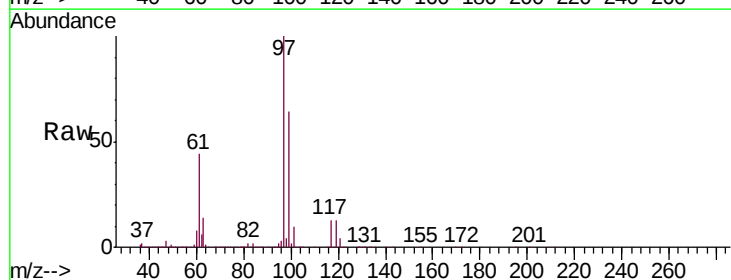
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

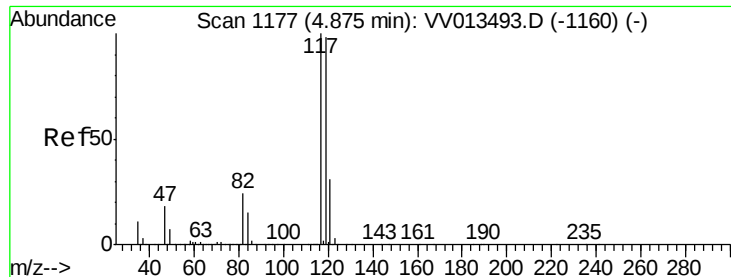
Tgt Ion: 56 Resp: 2319836
Ion Ratio Lower Upper
56 100
69 29.8 23.7 35.5
84 84.5 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 196.126 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

Tgt Ion: 97 Resp: 2079283
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 43.5 35.8 53.8





#31

Carbon tetrachloride

Concen: 196.674 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

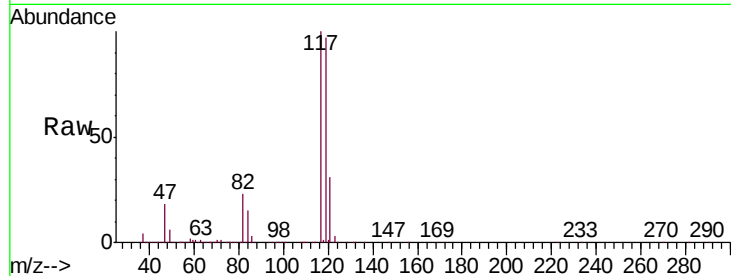
VSTD20061

Tgt Ion:117 Resp: 1874638

Ion Ratio Lower Upper

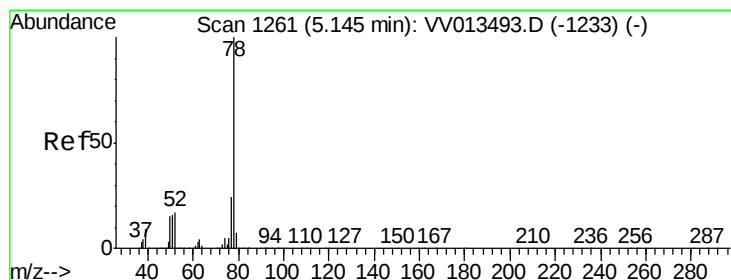
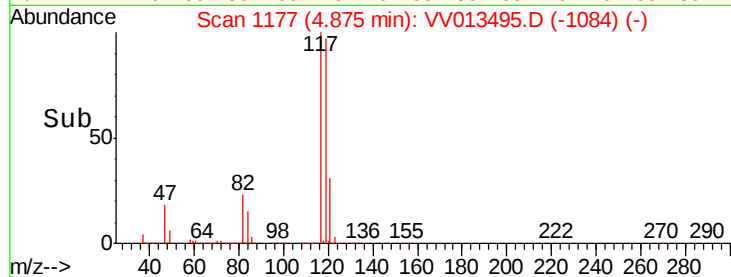
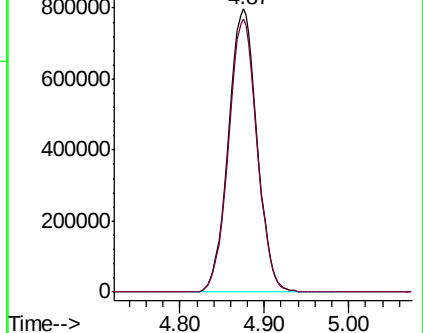
117 100

119 96.2 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 190.888 ug/L

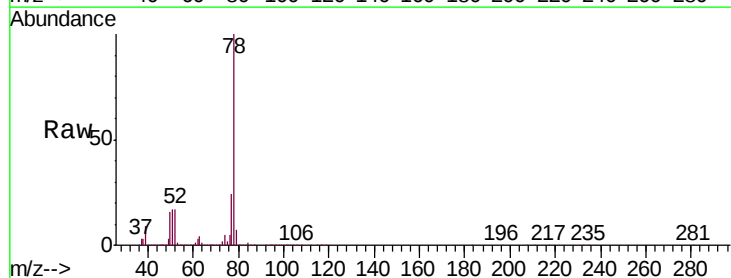
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

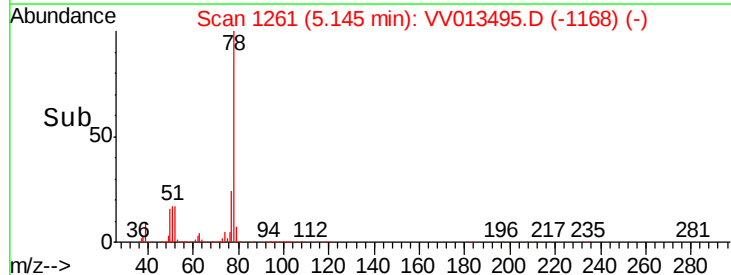
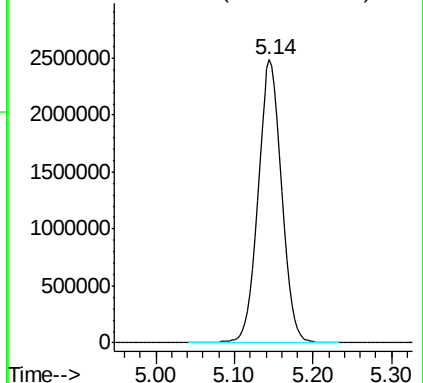
Lab File: VV013495.D

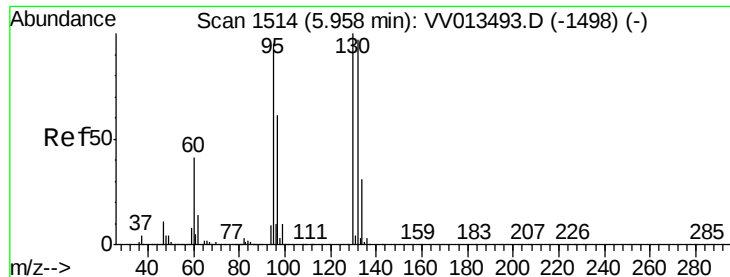
Acq: 06 Nov 2019 12:16

Tgt Ion: 78 Resp: 5295198



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 184.297 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampled :

VSTD20061

Tgt Ion: 95 Resp: 1339116

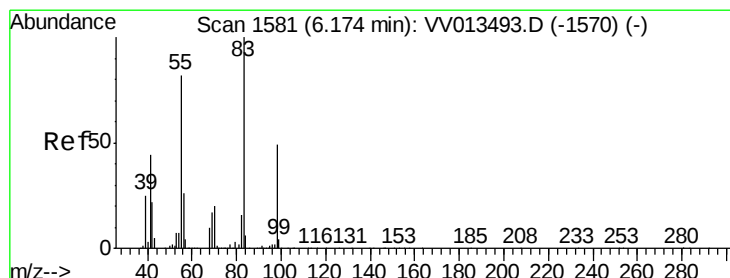
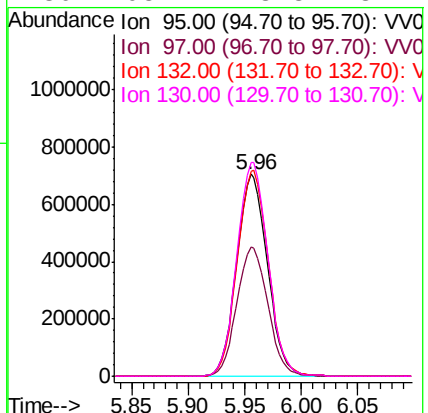
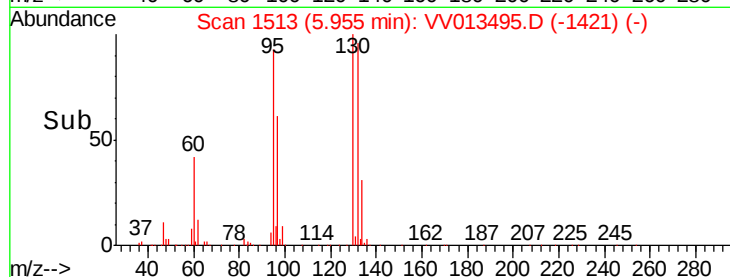
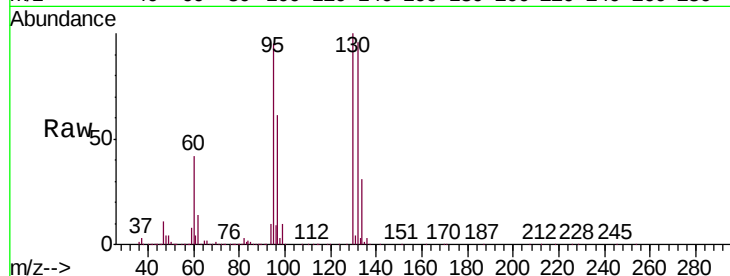
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.7

132 101.2 71.7 133.1

130 105.7 73.8 137.2



#35

Methylcyclohexane

Concen: 209.196 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

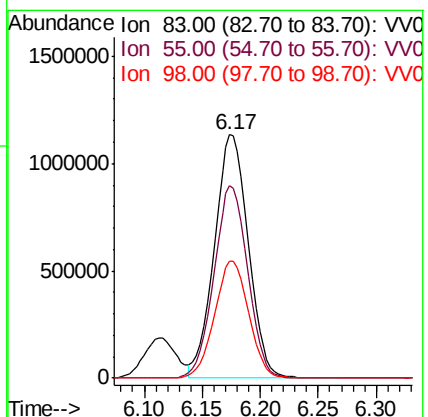
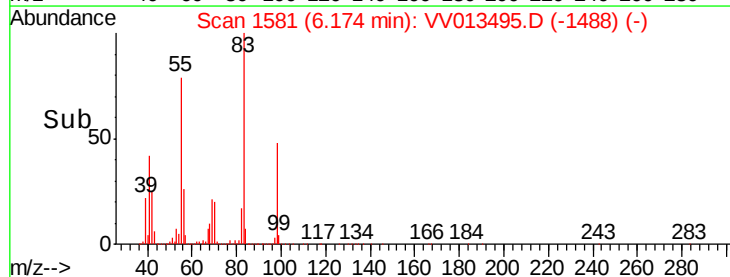
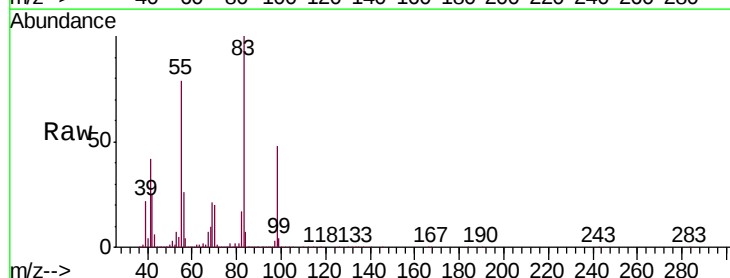
Tgt Ion: 83 Resp: 2305768

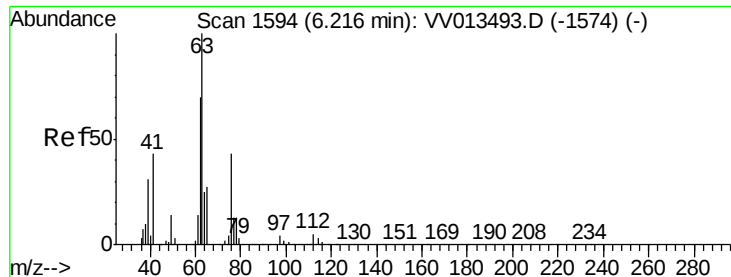
Ion Ratio Lower Upper

83 100

55 78.6 63.4 95.0

98 48.5 38.6 58.0

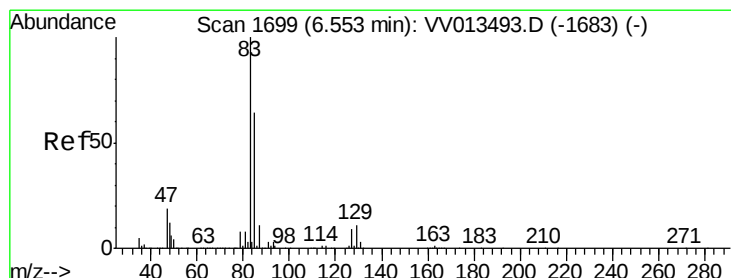
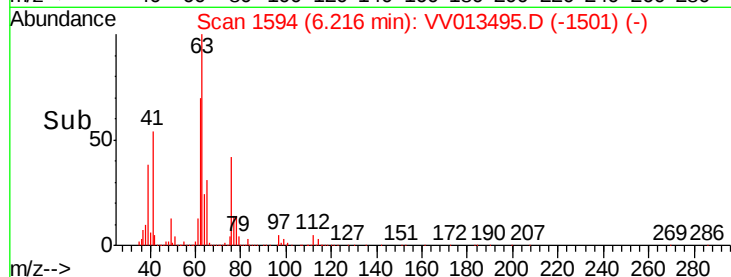
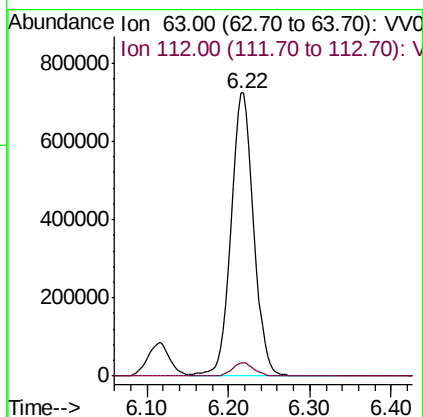
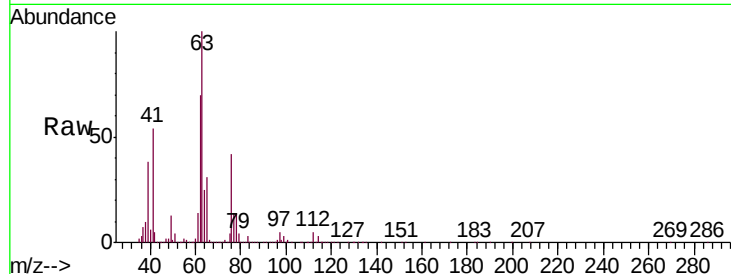




#37
 1,2-Dichloropropane
 Concen: 200.258 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

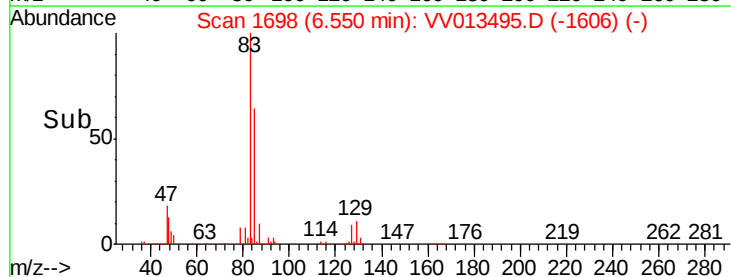
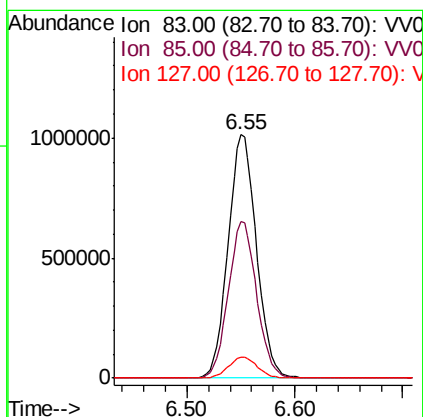
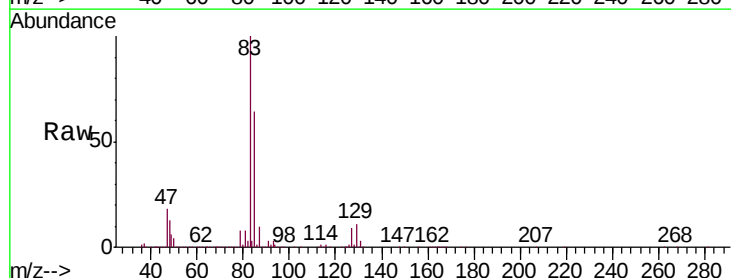
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

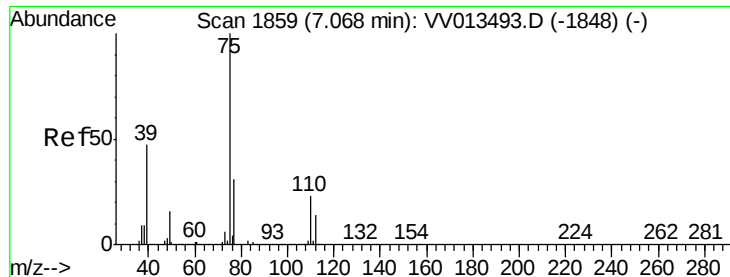
Tgt Ion: 63 Resp: 1405461
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 200.357 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

Tgt Ion: 83 Resp: 1854951
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.8 83.2
 127 8.8 7.1 10.7



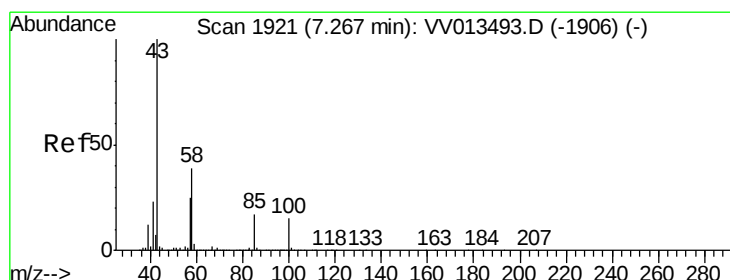
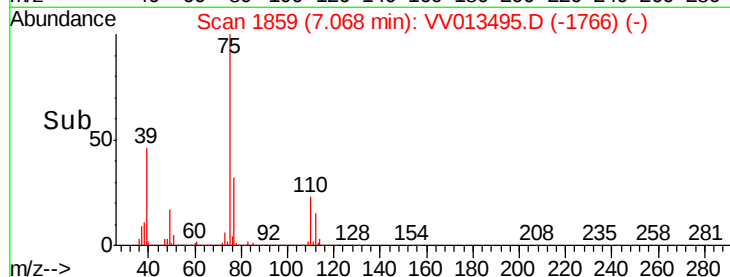
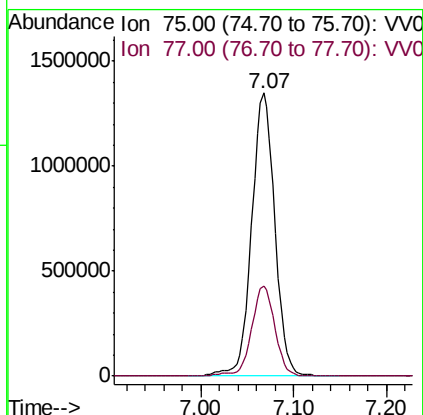
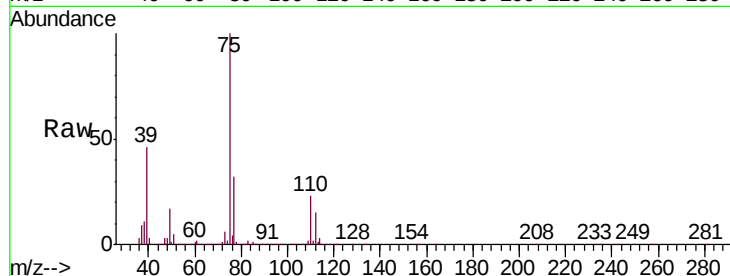


#39

cis-1,3-Dichloropropene
Concen: 222.354 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

Instrument :
MSVOA_V
ClientSampled :
VSTD20061

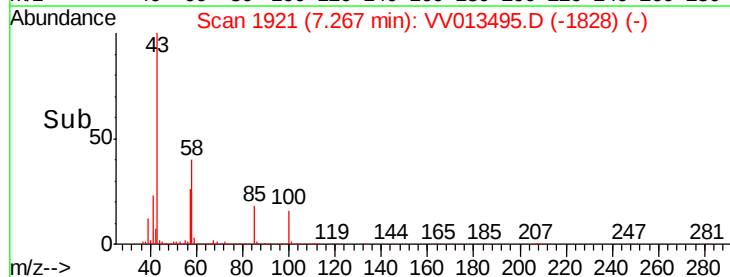
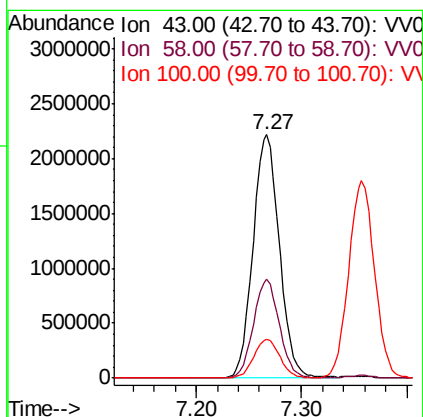
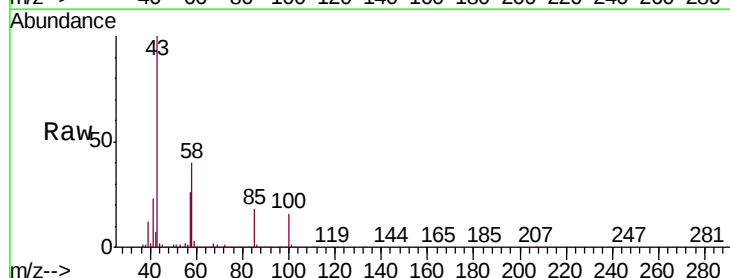
Tgt Ion: 75 Resp: 2331782
Ion Ratio Lower Upper
75 100
77 32.0 22.0 40.8

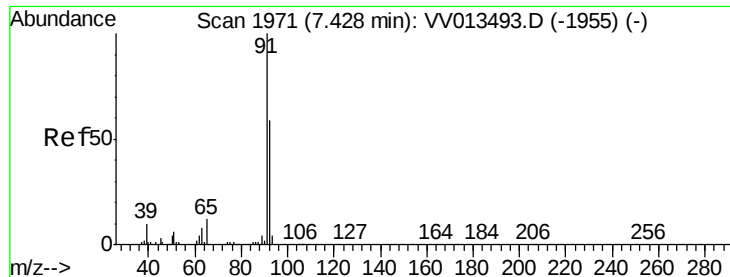


#40

4-Methyl-2-pentanone
Concen: 433.727 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

Tgt Ion: 43 Resp: 3861980
Ion Ratio Lower Upper
43 100
58 39.9 31.0 46.4
100 15.9 12.2 18.2





#42

Toluene

Concen: 197.007 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

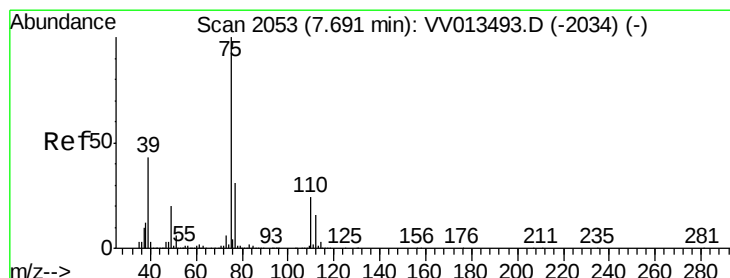
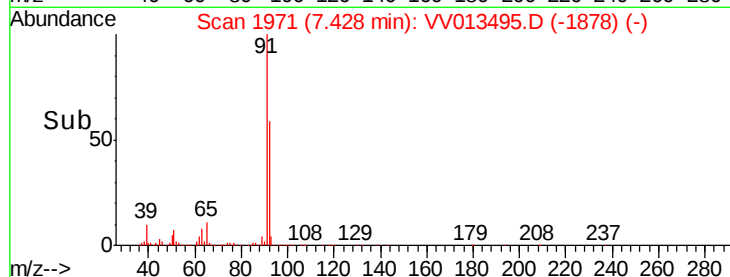
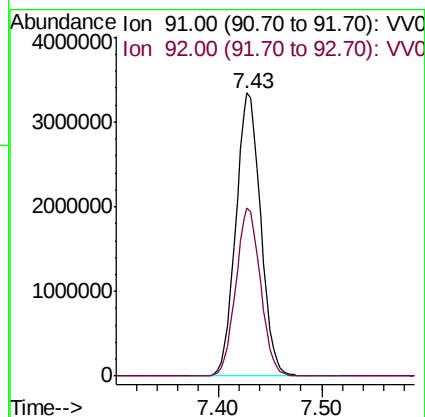
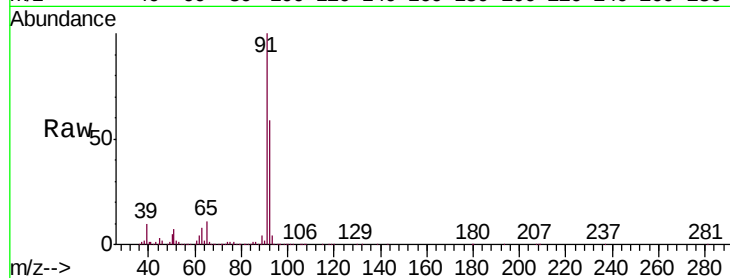
VSTD20061

Tgt Ion: 91 Resp: 5608559

Ion Ratio Lower Upper

91 100

92 59.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 226.233 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013495.D

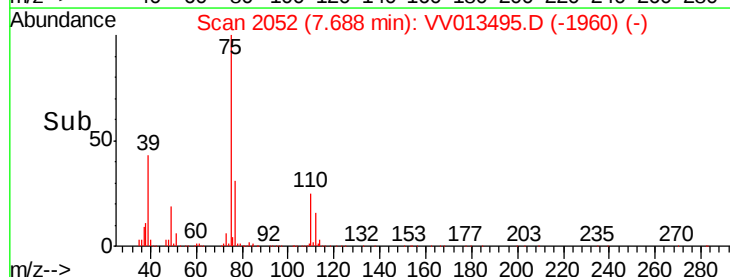
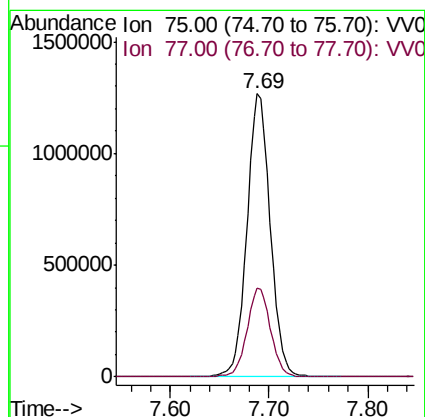
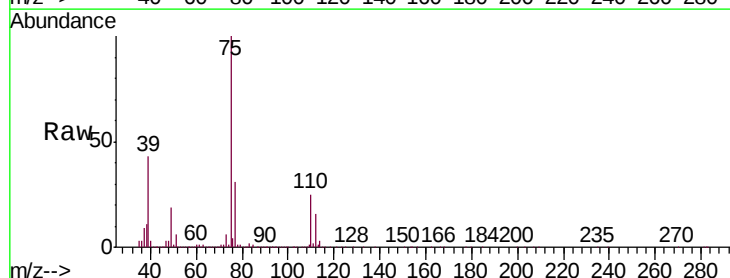
Acq: 06 Nov 2019 12:16

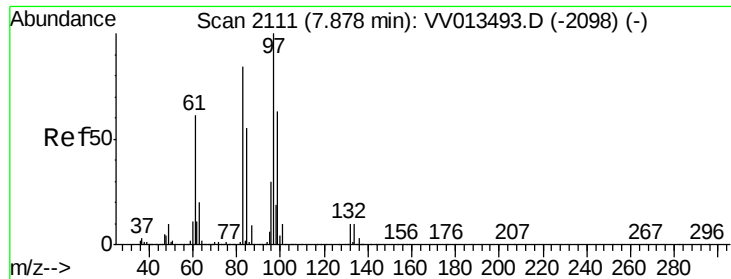
Tgt Ion: 75 Resp: 2057845

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0

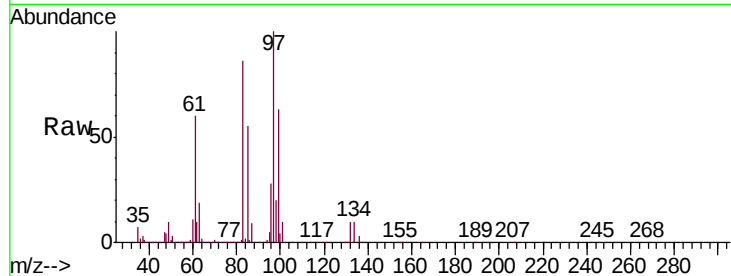




#45
 1,1,2-Trichloroethane
 Concen: 189.398 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

Tgt Ion:	97	Resp:	1300550
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.8	81.4
83	85.6	59.1	109.9
85	55.0	38.8	72.0



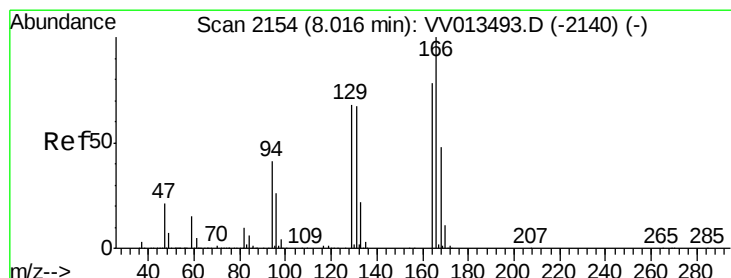
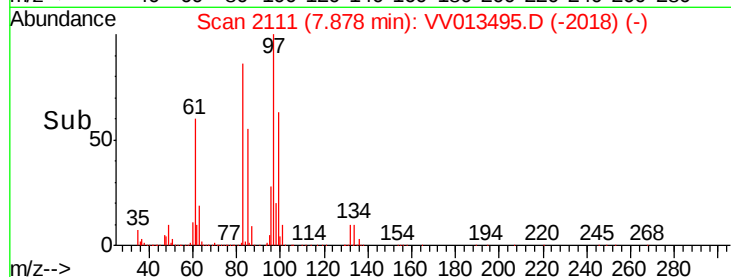
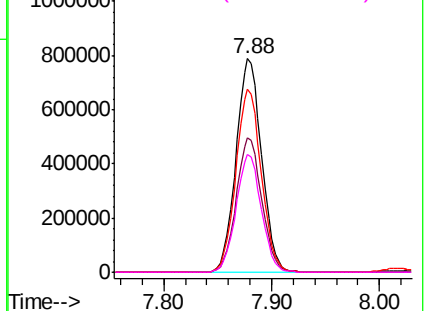
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 189.920 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

Tgt Ion:	164	Resp:	1220755
Ion	Ratio	Lower	Upper
164	100		
129	86.7	61.5	114.3
131	83.5	60.6	112.6
166	127.2	90.2	167.6

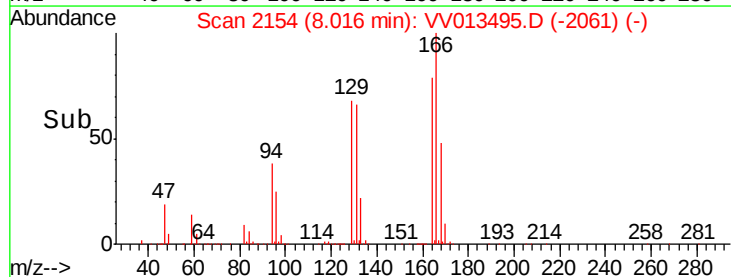
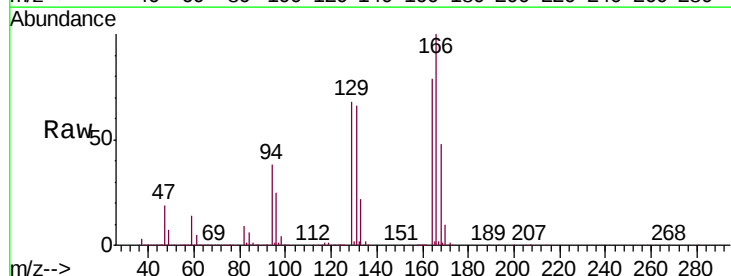
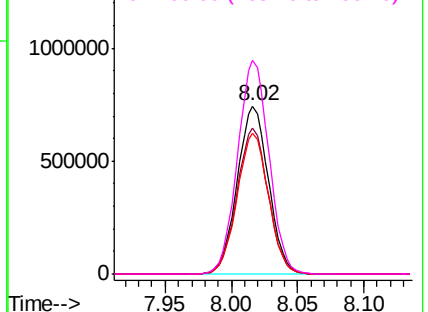
Abundance

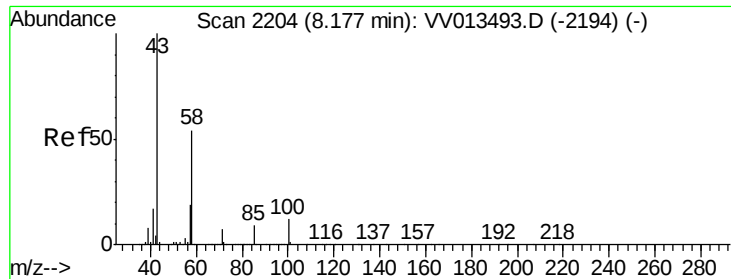
Ion 164.00 (163.70 to 164.70): V

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

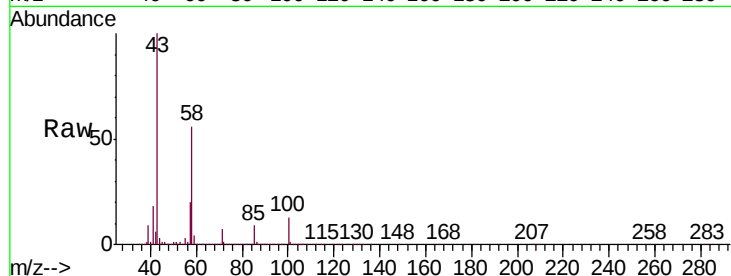




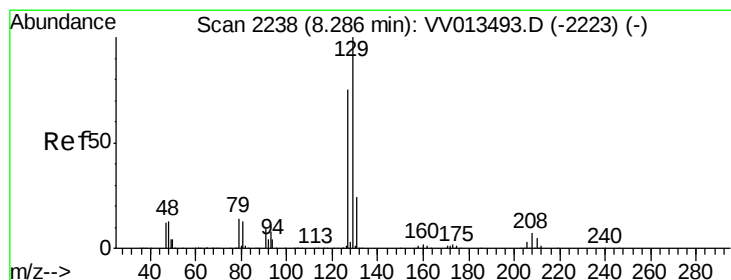
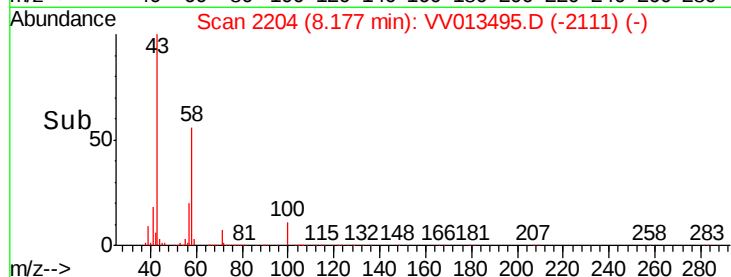
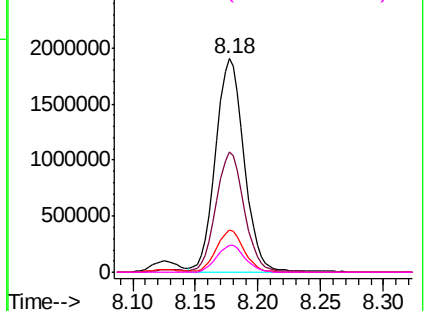
#48
2-Hexanone
Concen: 422.454 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

Tgt Ion: 43 Resp: 3007945
Ion Ratio Lower Upper
43 100
58 56.0 43.4 65.0
57 19.3 15.2 22.8
100 12.7 9.9 14.9

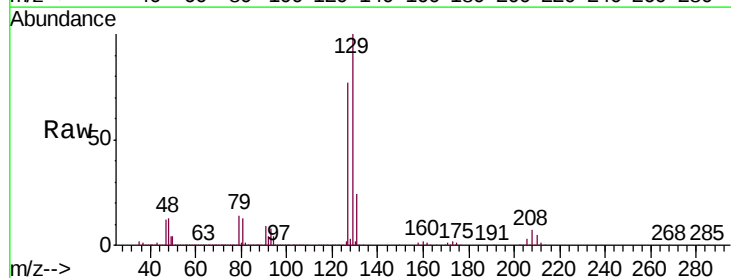


Abundance Ion 43.00 (42.70 to 43.70): VV013495.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV013495.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV013495.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV013495.D (-2194) (-)

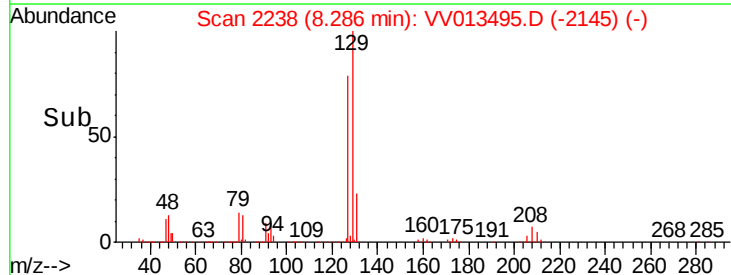
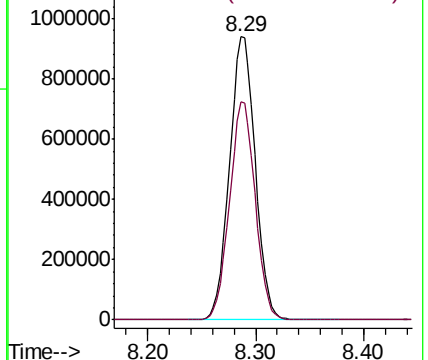


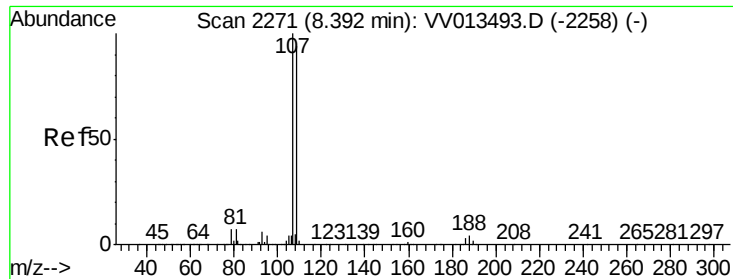
#49
Dibromochloromethane
Concen: 200.620 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013495.D
Acq: 06 Nov 2019 12:16

Tgt Ion: 129 Resp: 1564192
Ion Ratio Lower Upper
129 100
127 76.9 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): VV013495.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV013495.D (-2223) (-)





#50

1,2-Dibromoethane

Concen: 192.919 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

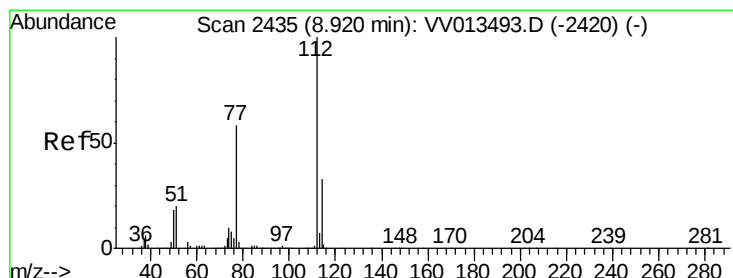
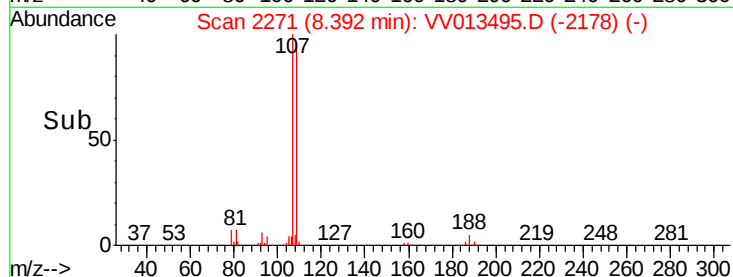
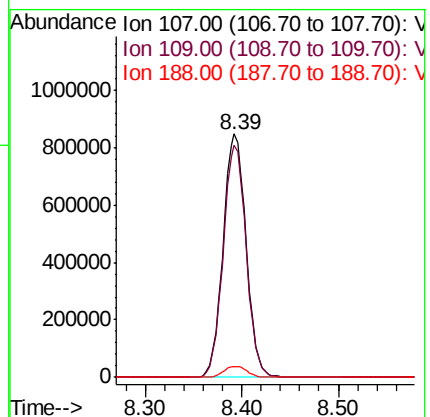
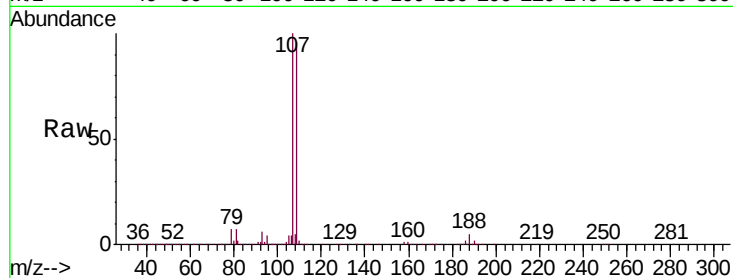
Tgt Ion:107 Resp: 1398595

Ion Ratio Lower Upper

107 100

109 95.5 65.7 122.1

188 4.6 3.5 5.3



#51

Chlorobenzene

Concen: 190.276 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

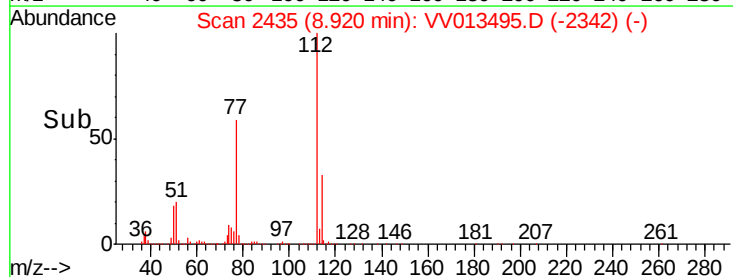
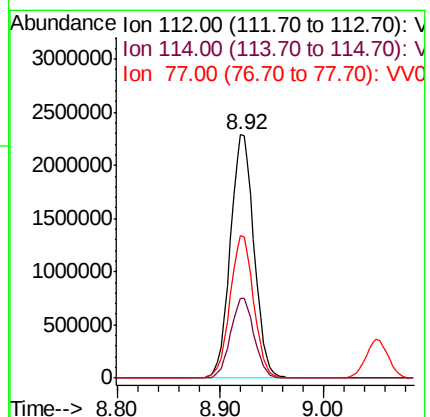
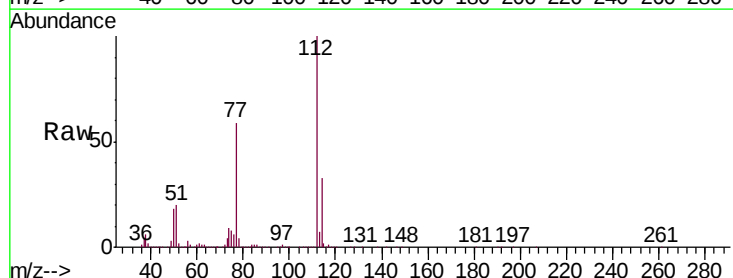
Tgt Ion:112 Resp: 3664413

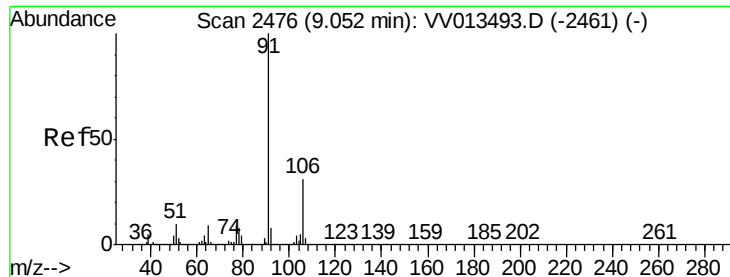
Ion Ratio Lower Upper

112 100

114 32.6 22.8 42.4

77 58.8 46.7 70.1





#52

Ethylbenzene

Concen: 208.261 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

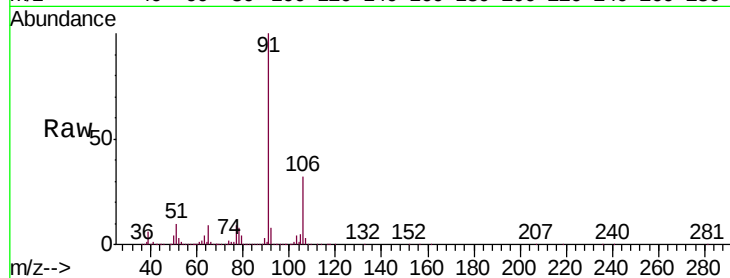
VSTD20061

Tgt Ion: 91 Resp: 6272868

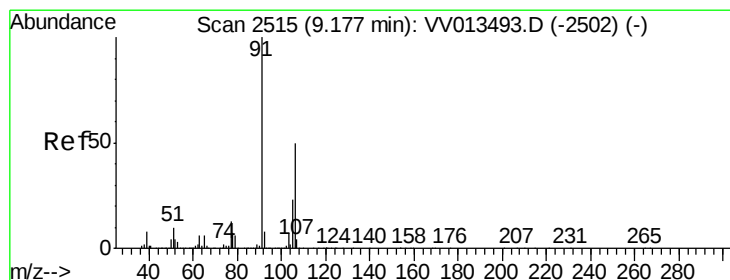
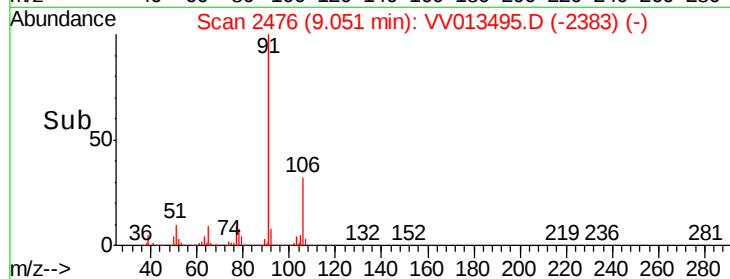
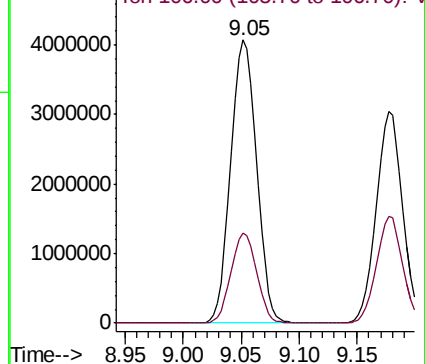
Ion Ratio Lower Upper

91 100

106 31.6 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV013495.D (-2383) (-)



#53

m,p-Xylene

Concen: 208.309 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013495.D

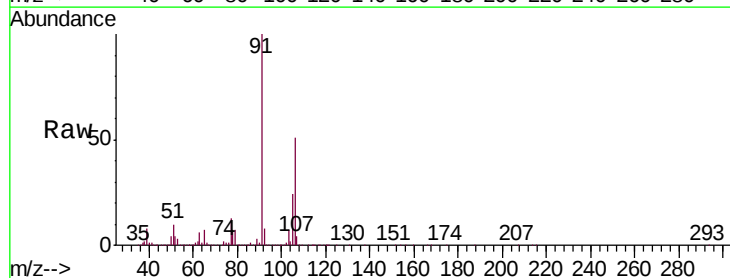
Acq: 06 Nov 2019 12:16

Tgt Ion: 106 Resp: 2425721

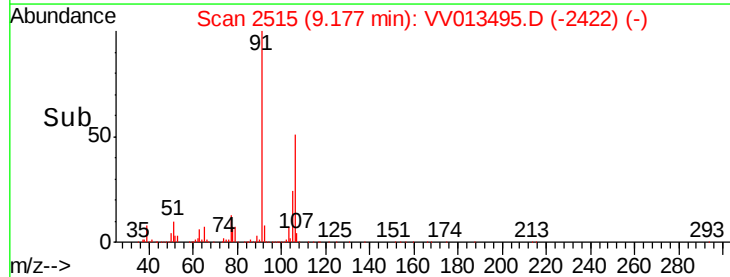
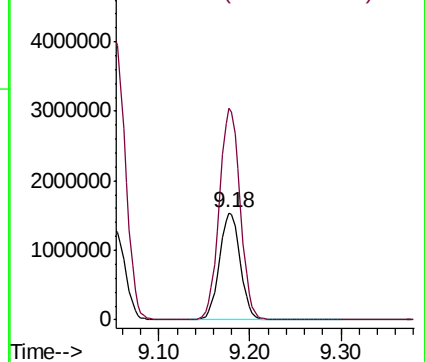
Ion Ratio Lower Upper

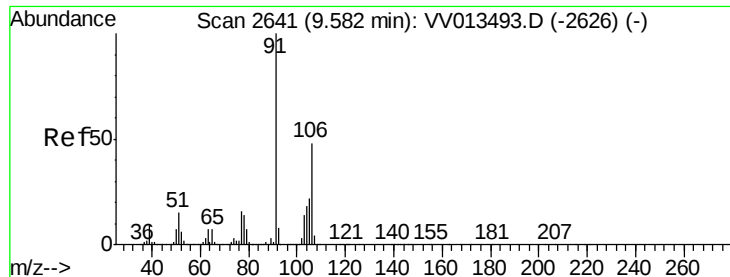
106 100

91 196.9 141.6 263.0



Abundance Ion 106.00 (105.70 to 106.70): VV013495.D (-2422) (-)





#54

o-xylene

Concen: 208.941 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

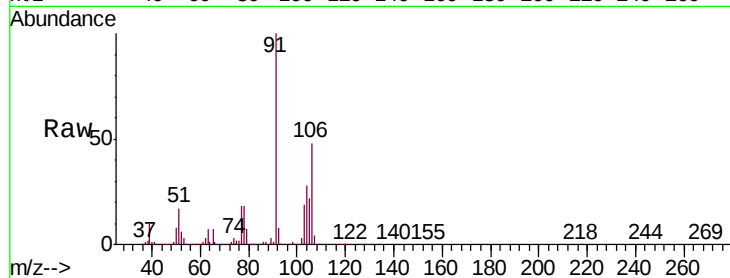
VSTD20061

Tgt Ion:106 Resp: 2377137

Ion Ratio Lower Upper

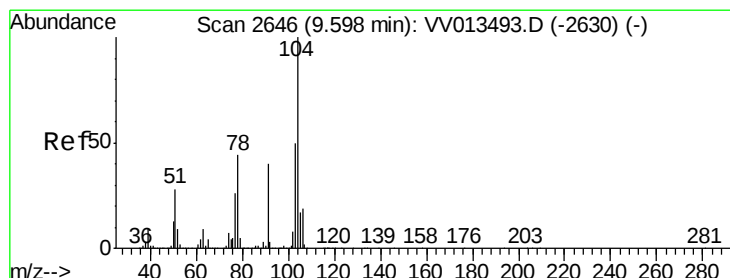
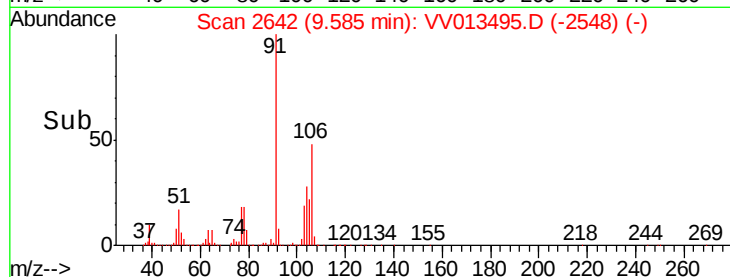
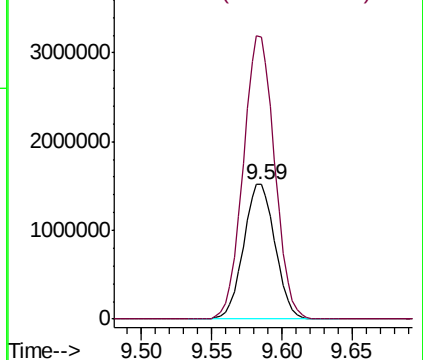
106 100

91 210.0 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 213.134 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013495.D

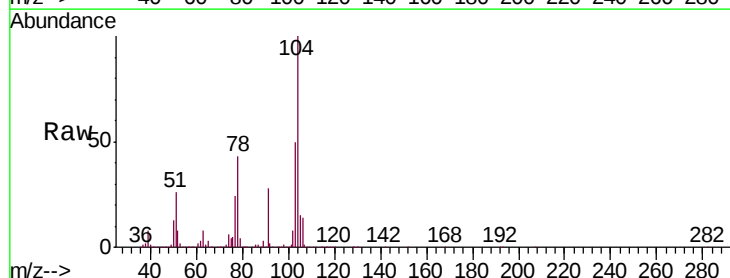
Acq: 06 Nov 2019 12:16

Tgt Ion:104 Resp: 4108600

Ion Ratio Lower Upper

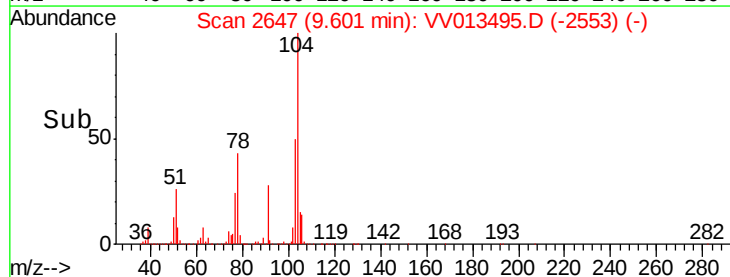
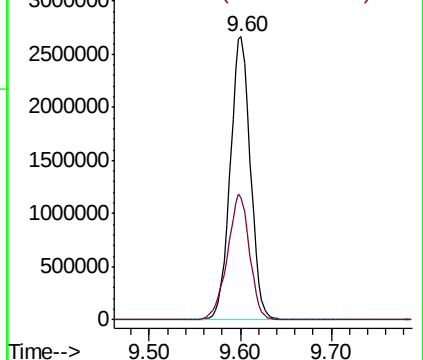
104 100

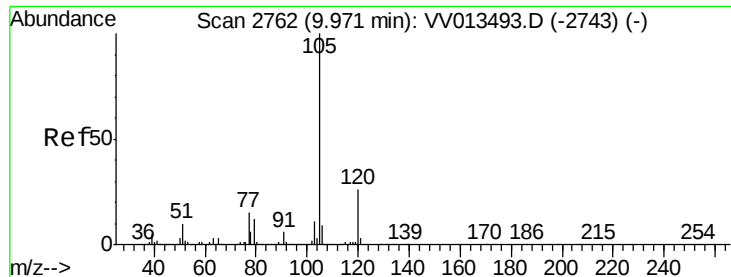
78 43.2 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 212.612 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampled :

VSTD20061

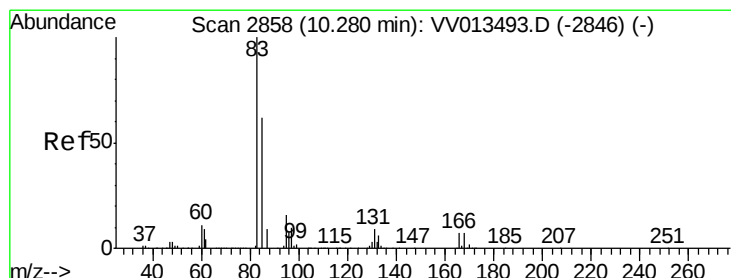
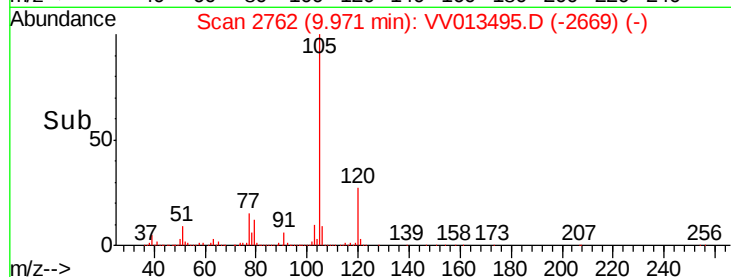
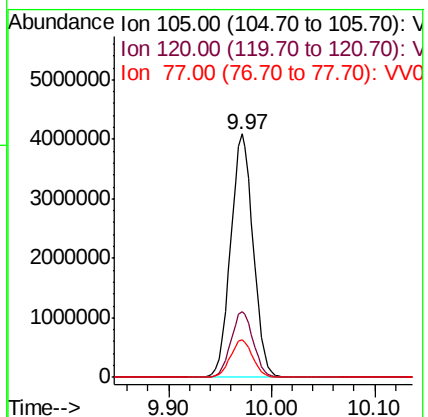
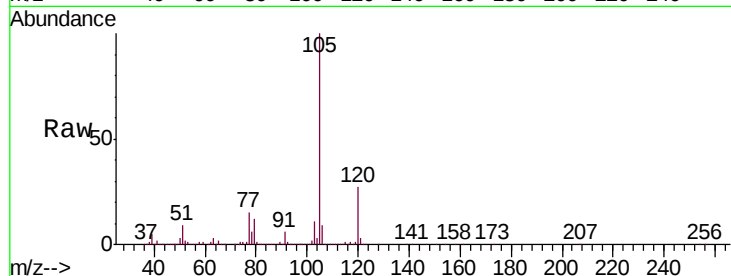
Tgt Ion:105 Resp: 6194319

Ion Ratio Lower Upper

105 100

120 27.1 21.1 31.7

77 15.3 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 193.480 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

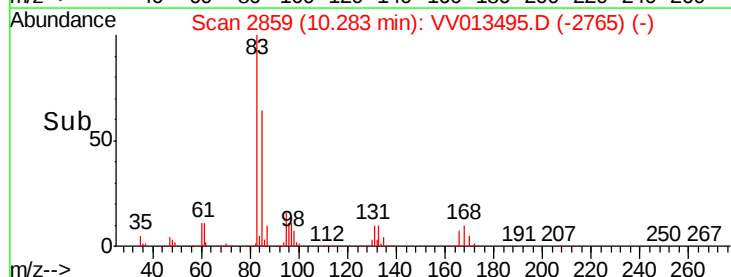
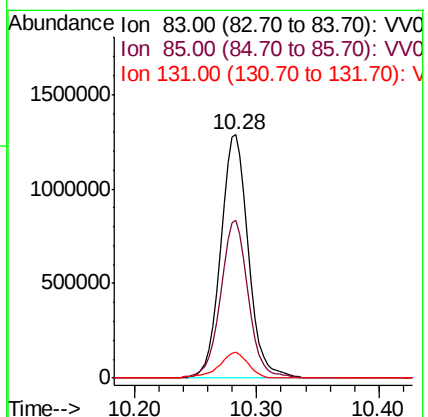
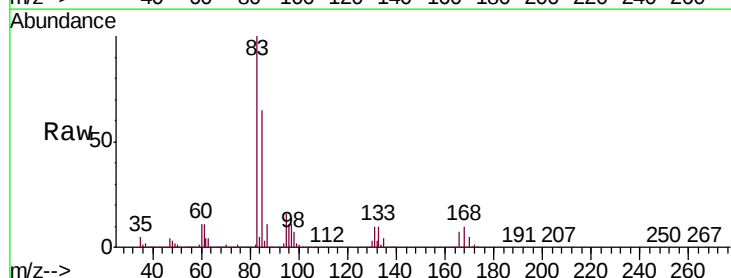
Tgt Ion: 83 Resp: 2044879

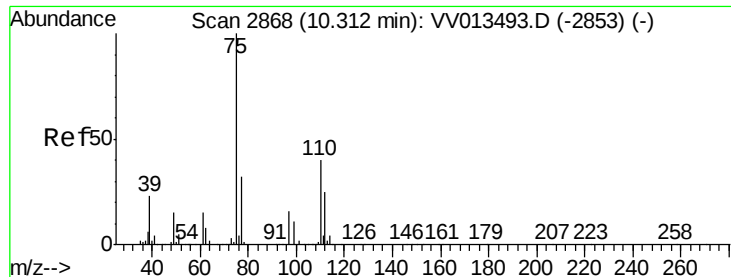
Ion Ratio Lower Upper

83 100

85 64.7 44.0 81.6

131 10.5 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 187.529 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

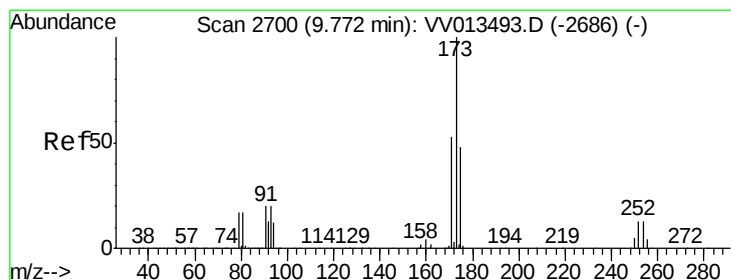
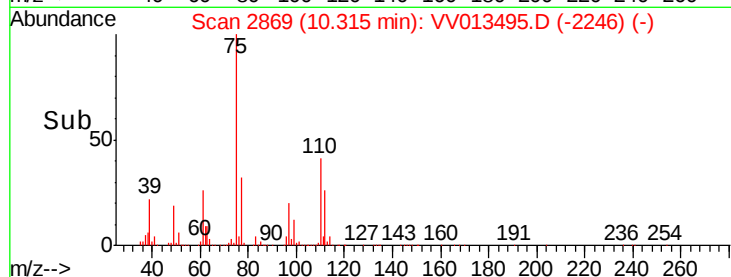
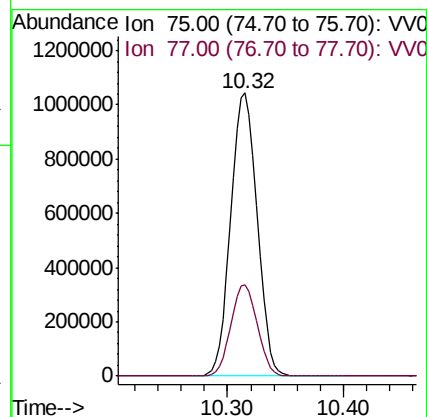
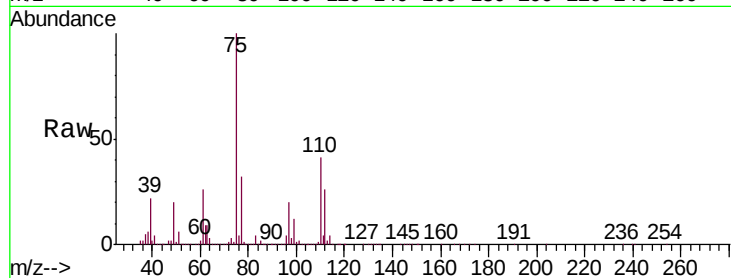
VSTD20061

Tgt Ion: 75 Resp: 1636185

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#61

Bromoform

Concen: 191.810 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

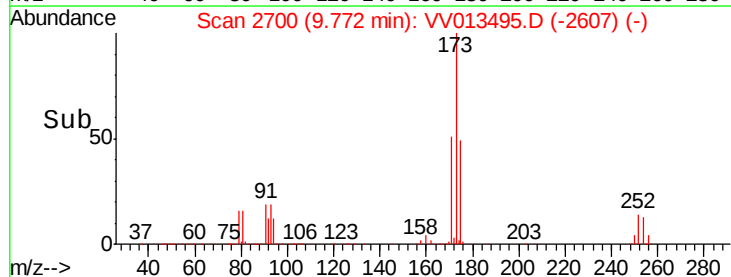
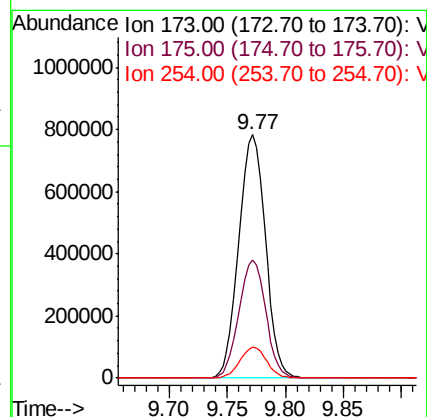
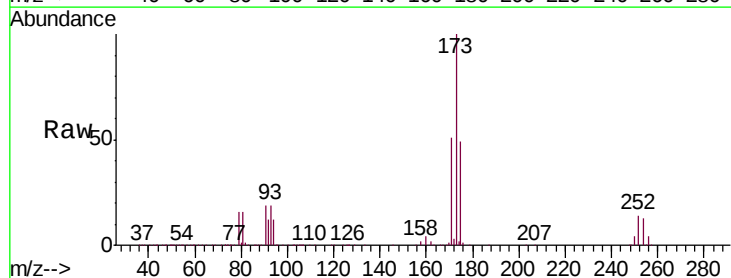
Tgt Ion: 173 Resp: 1248192

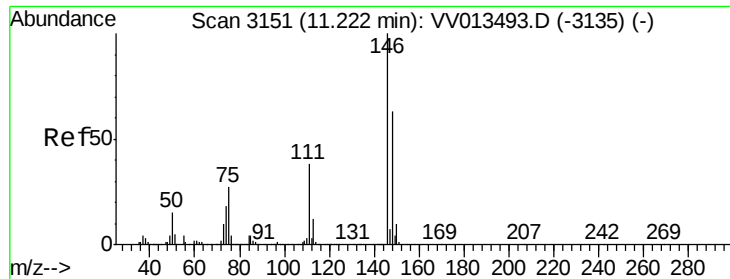
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 12.6 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 190.032 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

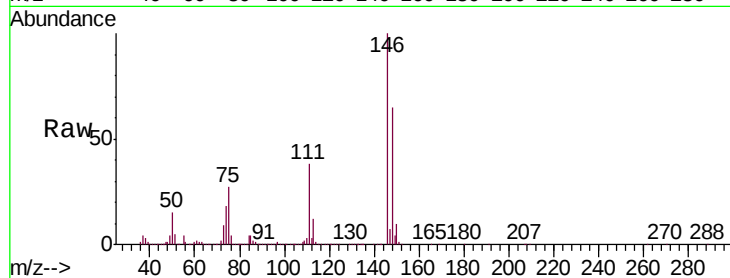
Tgt Ion:146 Resp: 3063973

Ion Ratio Lower Upper

146 100

111 37.9 26.4 49.0

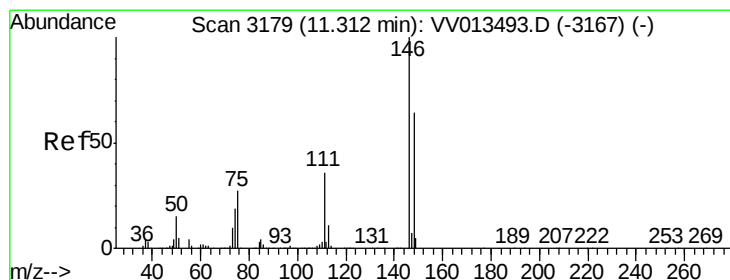
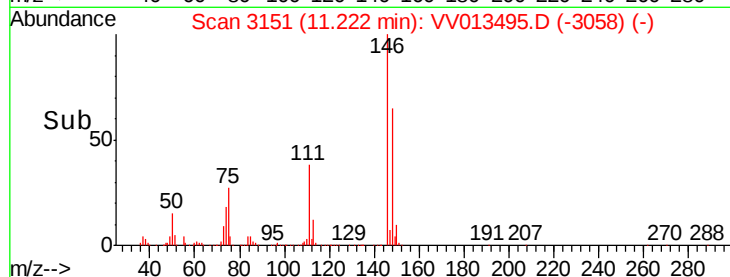
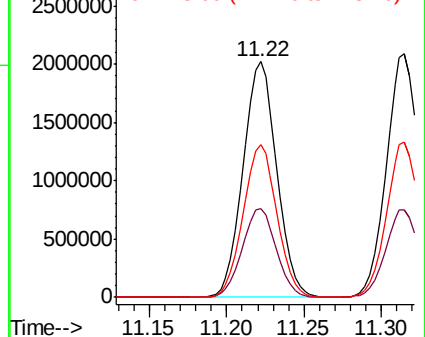
148 64.8 44.4 82.4



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: 185.724 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

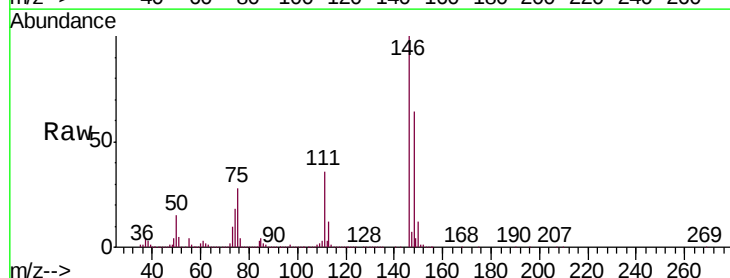
Tgt Ion:146 Resp: 3109371

Ion Ratio Lower Upper

146 100

111 36.2 25.5 47.3

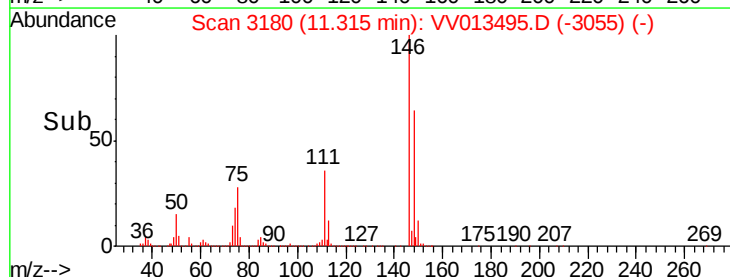
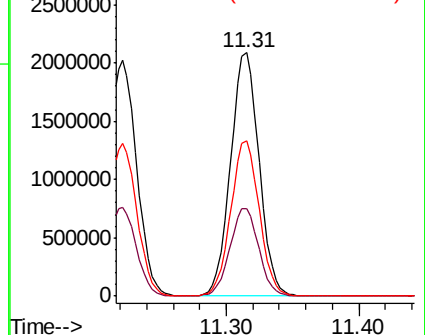
148 63.8 44.9 83.5

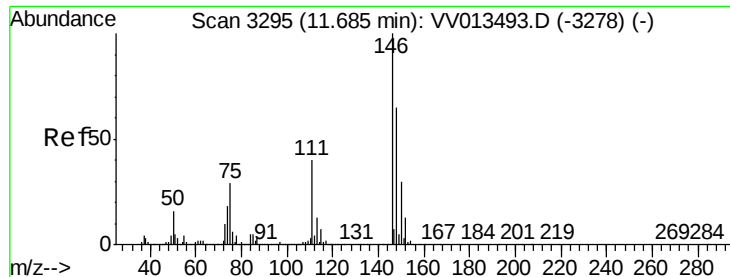


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

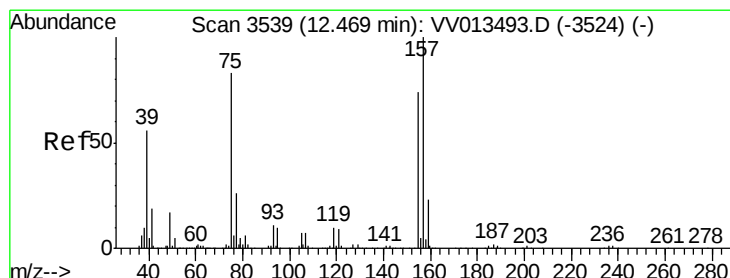
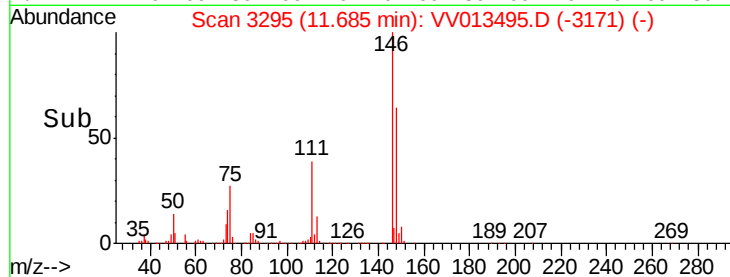
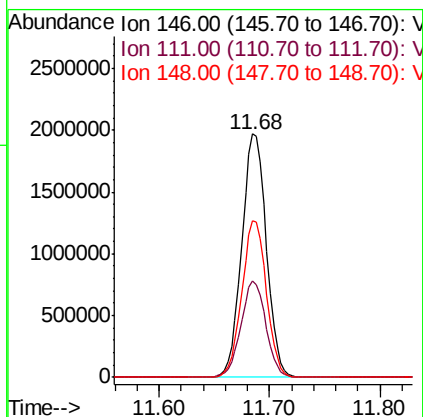
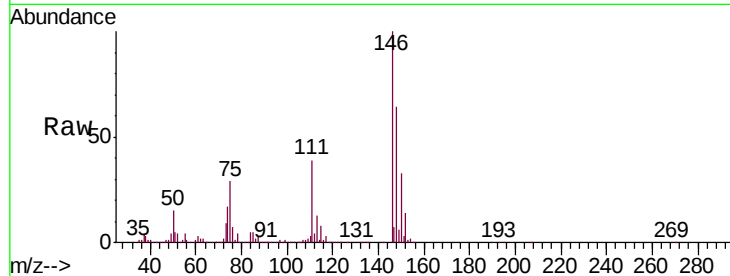




#65
 1,2-Dichlorobenzene
 Concen: 183.322 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

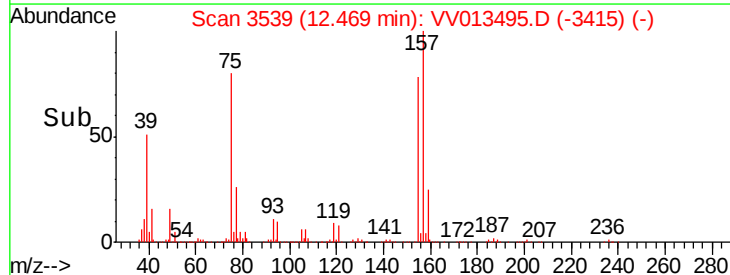
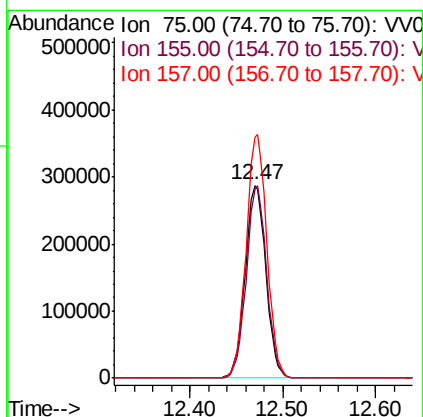
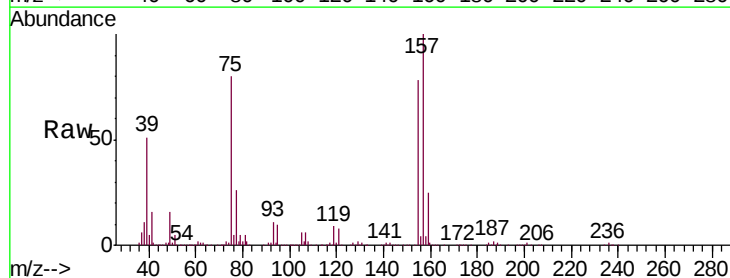
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

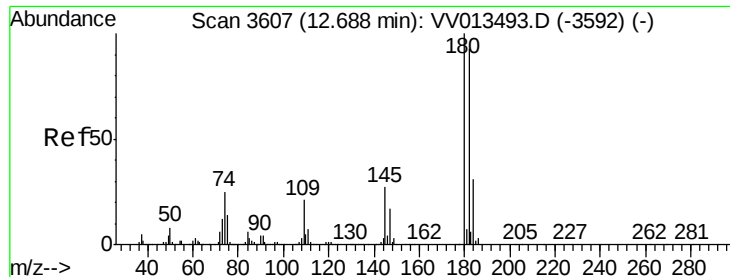
Tgt Ion:146 Resp: 3037329
 Ion Ratio Lower Upper
 146 100
 111 39.4 32.1 48.1
 148 64.3 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 192.895 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

Tgt Ion: 75 Resp: 446997
 Ion Ratio Lower Upper
 75 100
 155 97.7 71.9 107.9
 157 124.7 96.6 145.0

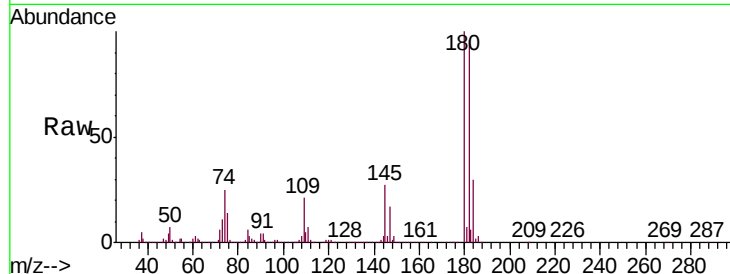




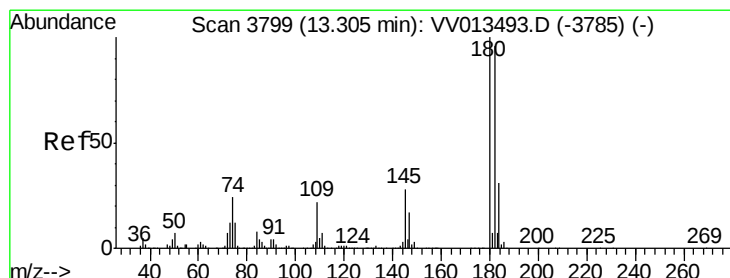
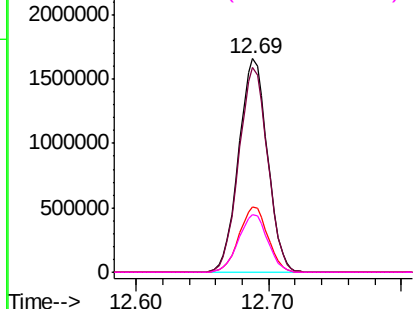
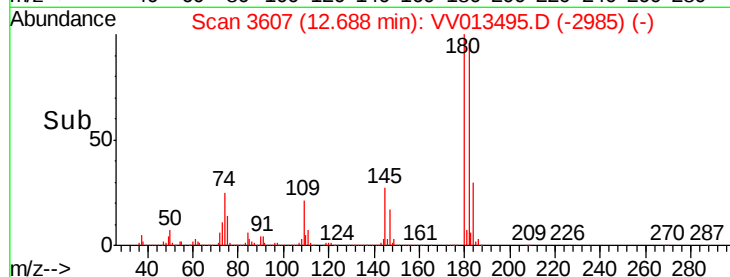
#67
 1,3,5-Trichlorobenzene
 Concen: 204.662 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

Tgt Ion:180 Resp: 2503331
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.2
 184 30.6 24.3 36.5
 145 27.2 21.2 31.8

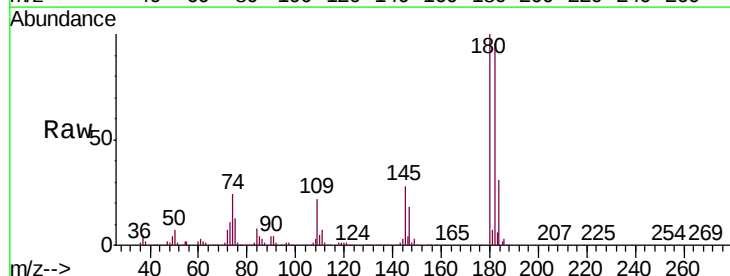


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

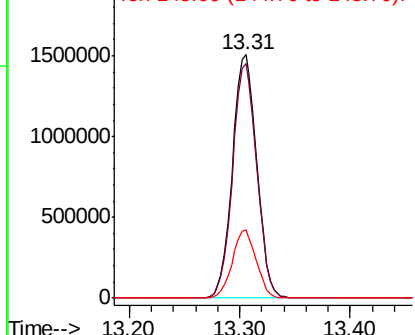
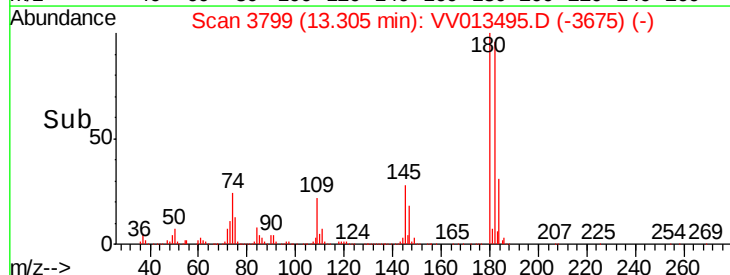


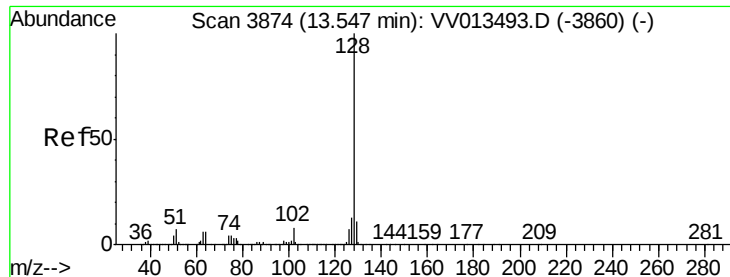
#68
 1,2,4-trichlorobenzene
 Concen: 224.511 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013495.D
 Acq: 06 Nov 2019 12:16

Tgt Ion:180 Resp: 2307645
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 145 27.5 22.4 33.6



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





#69

Naphthalene

Concen: 230.340 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

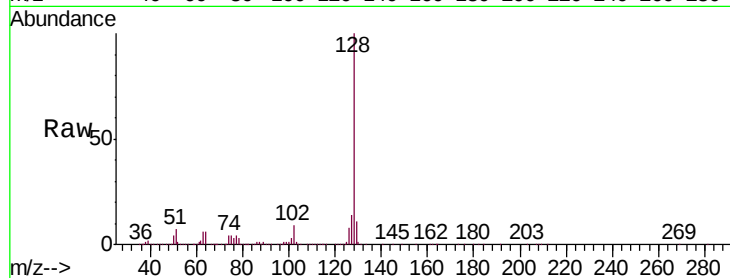
Tgt Ion:128 Resp: 6319508

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

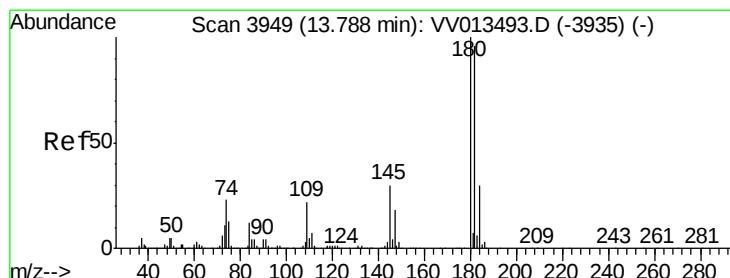
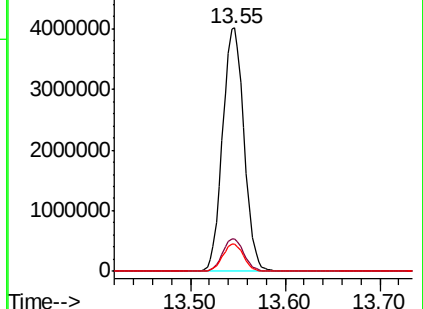
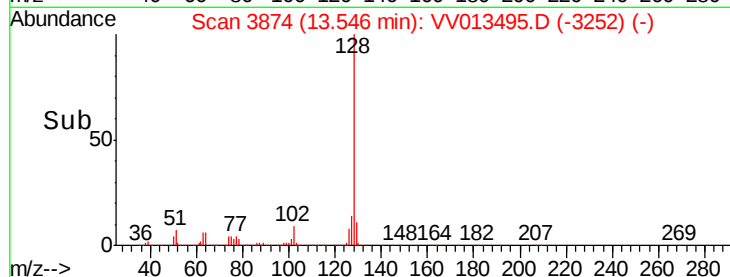
129 11.1 8.6 13.0



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: 209.513 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013495.D

Acq: 06 Nov 2019 12:16

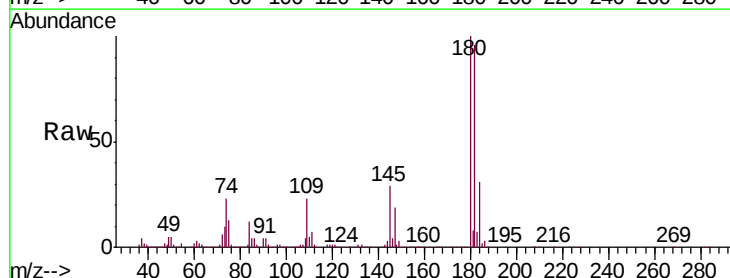
Tgt Ion:180 Resp: 2290181

Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.0

145 29.3 24.0 36.0



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

