

Data File : VV012133.D
Acq On : 08 Aug 2019 19:01
Operator : SY/MD
Sample : VSTD00536
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Quant Time: Aug 09 06:09:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:06:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112765	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	104386	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58324	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25548	4.83	ug/L	0.00
7) Chloroethane-d5	1.58	69	17320	4.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	48369	4.49	ug/L	0.00
20) 2-Butanone-d5	3.94	46	65775	45.94	ug/L	0.00
24) Chloroform-d	4.40	84	70583	4.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	38282	4.84	ug/L	0.00
32) Benzene-d6	5.10	84	133354	5.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	34294	4.78	ug/L	0.00
41) Toluene-d8	7.36	98	133616	5.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	18162	5.50	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	60260	53.63	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28427	5.14	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	56350	5.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	54854	4.533 ug/L	100
3) Chloromethane	1.25	50	23765	4.165 ug/L	100
5) Vinyl chloride	1.32	62	27839	4.406 ug/L	100
6) Bromomethane	1.53	94	16505	4.298 ug/L	100
8) Chloroethane	1.60	64	14058	4.072 ug/L	100
9) Trichlorofluoromethane	1.77	101	55100	4.522 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	25041	4.779 ug/L	100
12) 1,1-Dichloroethene	2.14	96	22699	4.710 ug/L	100
13) Acetone	2.20	43	33838	46.674 ug/L	100
14) Carbon disulfide	2.32	76	64194	4.836 ug/L	100
15) Methyl Acetate	2.46	43	6773	4.099 ug/L	100
16) Methylene chloride	2.53	84	22121	4.443 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	80347	4.981 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	33625	4.665 ug/L	100
19) 1,1-Dichloroethane	3.23	63	54662	4.362 ug/L	100
21) 2-Butanone	4.03	43	66996	46.776 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	38433	4.941 ug/L	100
23) Bromochloromethane	4.30	128	17684	5.036 ug/L	100
25) Chloroform	4.42	83	66868	4.103 ug/L	100
27) 1,2-Dichloroethane	5.18	62	43011	4.712 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	66448	4.937 ug/L	100
30) Cyclohexane	4.72	56	47127	4.677 ug/L	100
31) Carbon tetrachloride	4.87	117	63975	5.247 ug/L	100
33) Benzene	5.14	78	130944	4.830 ug/L	100
34) Trichloroethene	5.96	95	38648	4.910 ug/L	100
35) Methylcyclohexane	6.17	83	58389	4.892 ug/L	100
37) 1,2-Dichloropropane	6.22	63	27590	4.419 ug/L	100
38) Bromodichloromethane	6.55	83	47852	5.091 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	49724	5.047 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	166848	48.844 ug/L	100

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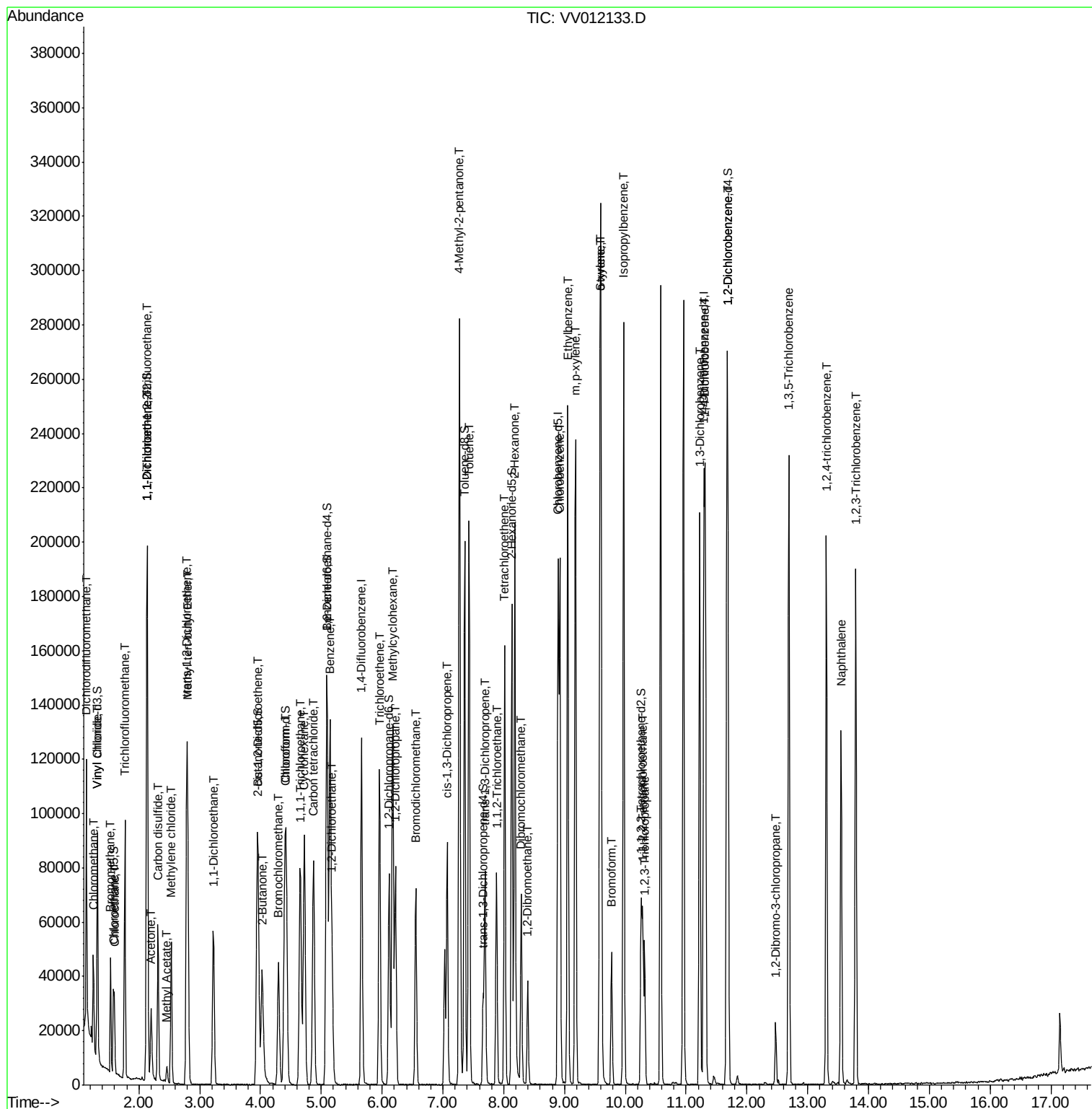
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	151451	5.067	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	43155	5.352	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	24184	5.096	ug/L	100
47) Tetrachloroethene	8.02	164	38482	5.270	ug/L	100
48) 2-Hexanone	8.18	43	118766	49.685	ug/L	100
49) Dibromochloromethane	8.29	129	37205	5.847	ug/L	100
50) 1,2-Dibromoethane	8.39	107	25316	5.460	ug/L	100
51) Chlorobenzene	8.92	112	103157	5.063	ug/L	100
52) Ethylbenzene	9.05	91	172688	5.022	ug/L	100
53) m,p-xylene	9.18	106	67109	5.068	ug/L	100
54) o-xylene	9.59	106	65421	5.140	ug/L	100
55) Styrene	9.60	104	110430	5.131	ug/L	100
56) Isopropylbenzene	9.97	105	180879	5.133	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	27529	5.222	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	20032	5.049	ug/L	100
61) Bromoform	9.77	173	23099	6.277	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	89787	5.031	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	89480	4.924	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	83689	5.156	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	5557	6.195	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	77796	5.271	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	65611	5.432	ug/L	100
69) Naphthalene	13.55	128	105161	6.228	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	60826	5.628	ug/L	100

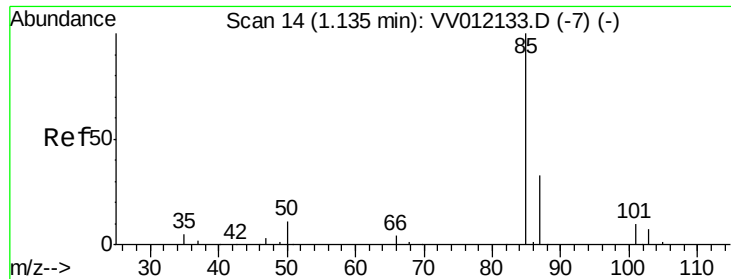
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.533 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

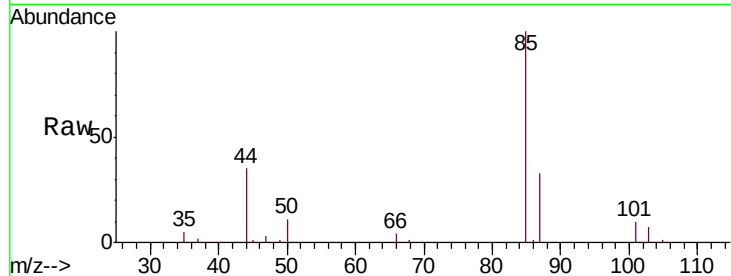
VSTD00536

Tgt Ion: 85 Resp: 54854

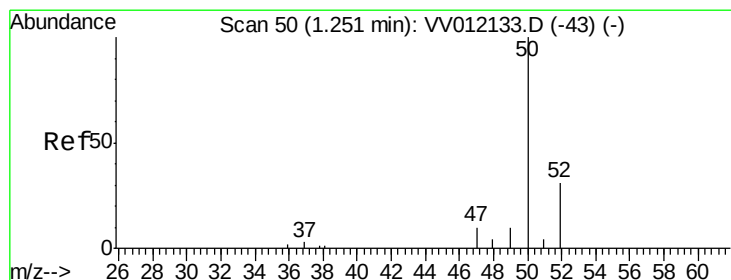
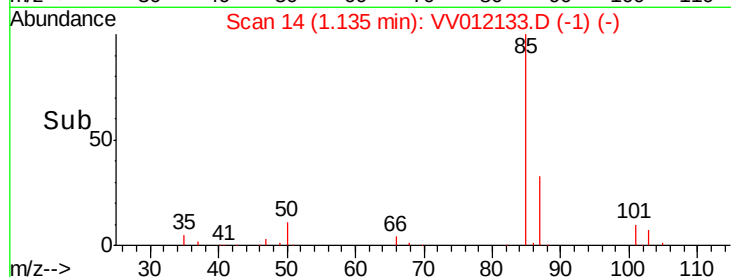
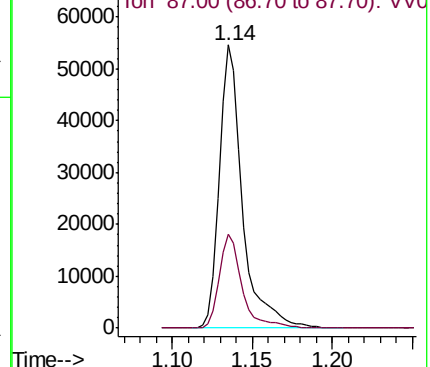
Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV012133.D (-7) (-)



#3

Chloromethane

Concen: 4.165 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012133.D

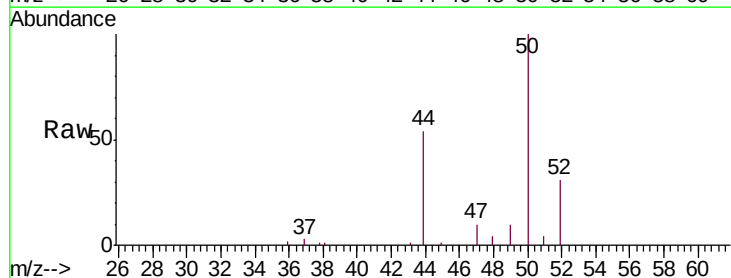
Acq: 08 Aug 2019 19:01

Tgt Ion: 50 Resp: 23765

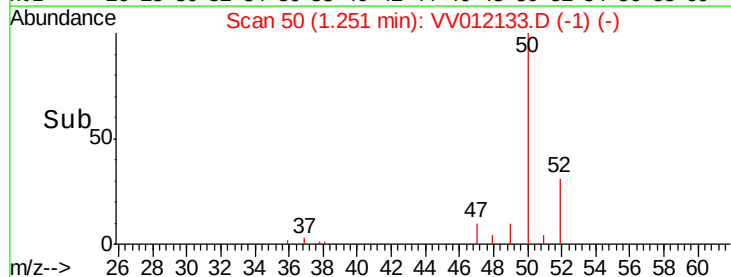
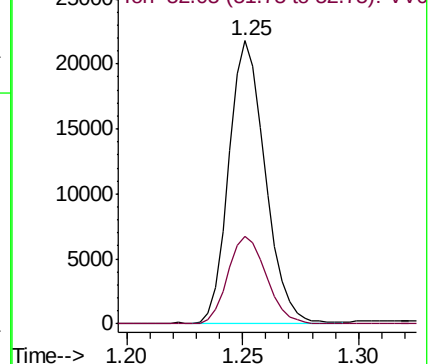
Ion Ratio Lower Upper

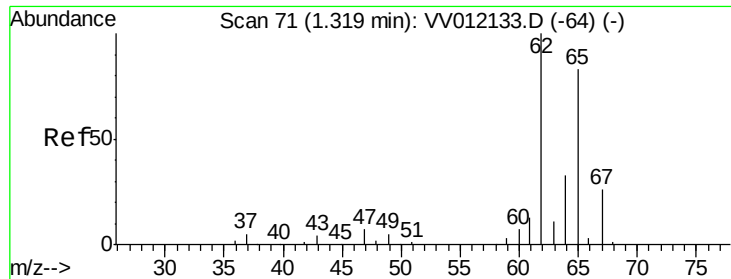
50 100

52 30.8 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VV012133.D (-43) (-)





#5

Vinyl chloride

Concen: 4.406 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampled :

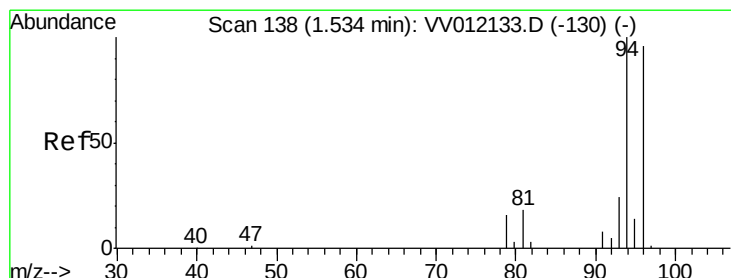
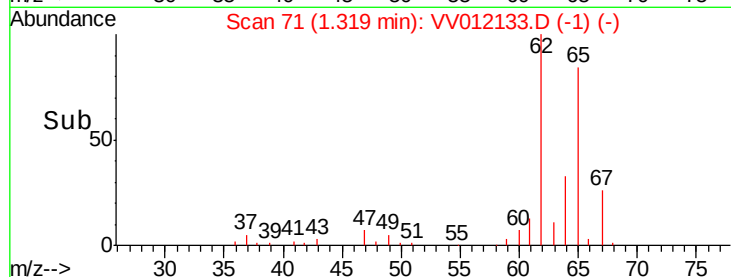
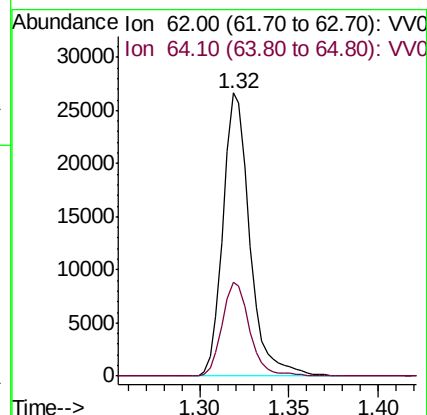
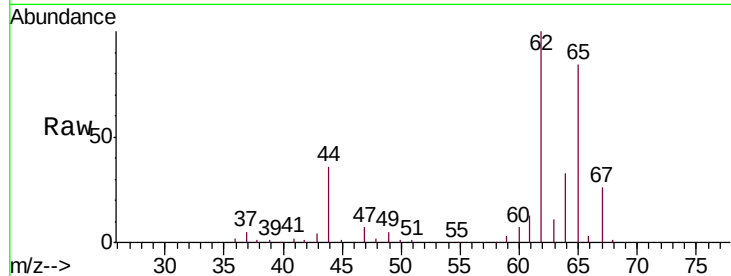
VSTD00536

Tgt Ion: 62 Resp: 27839

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 4.298 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012133.D

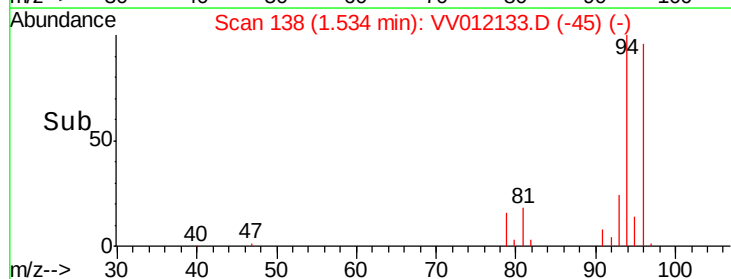
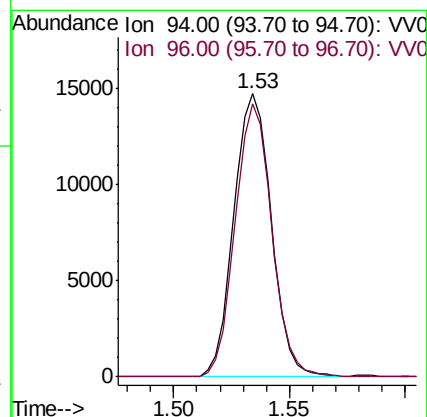
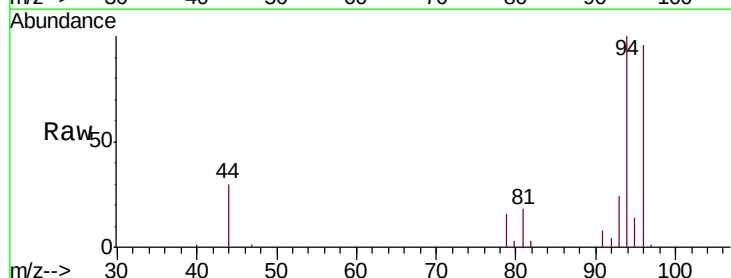
Acq: 08 Aug 2019 19:01

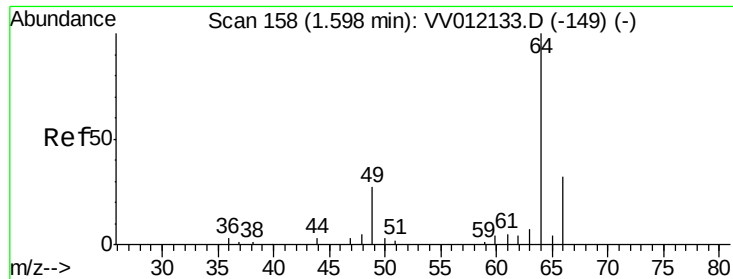
Tgt Ion: 94 Resp: 16505

Ion Ratio Lower Upper

94 100

96 96.3 67.4 125.2

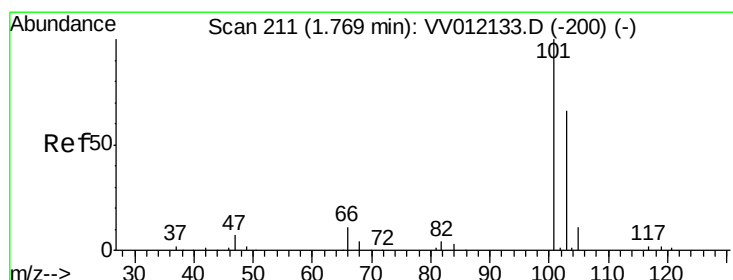
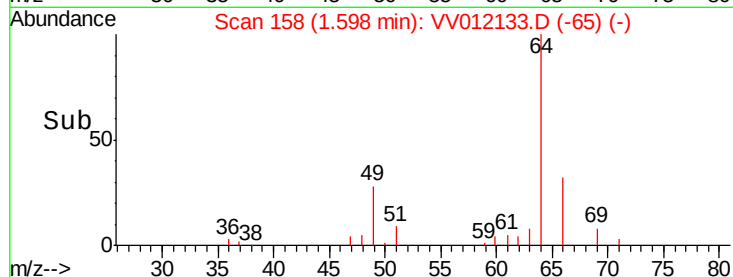
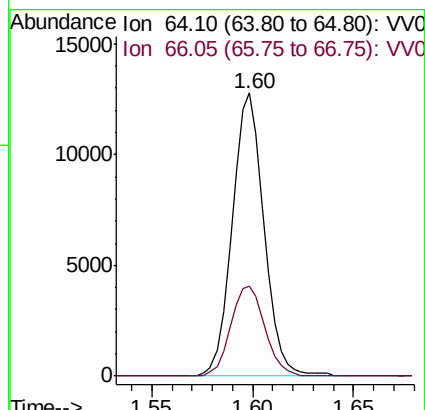
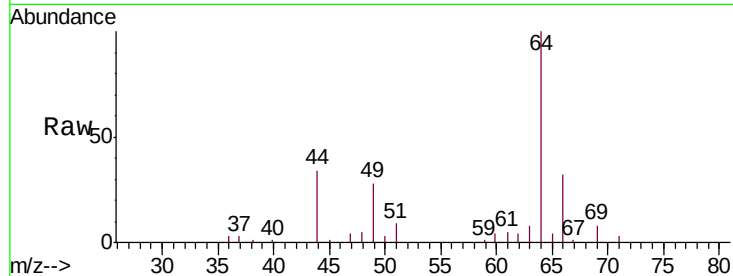




#8
 Chloroethane
 Concen: 4.072 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

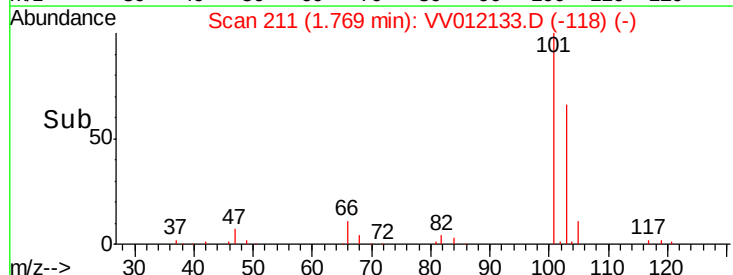
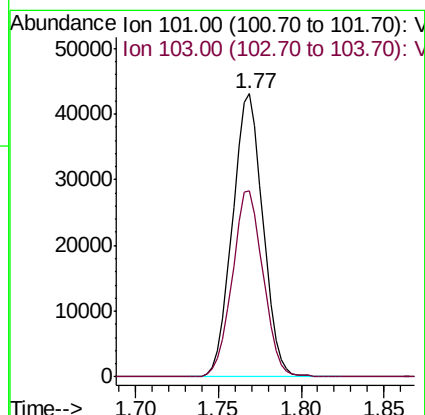
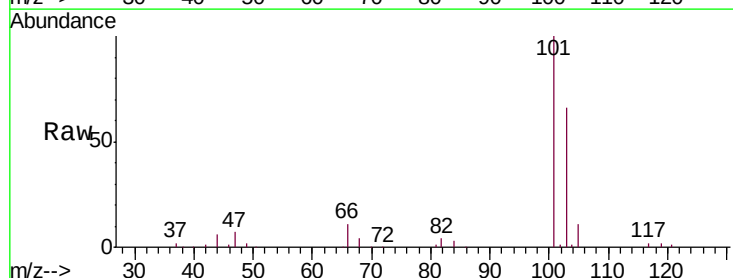
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

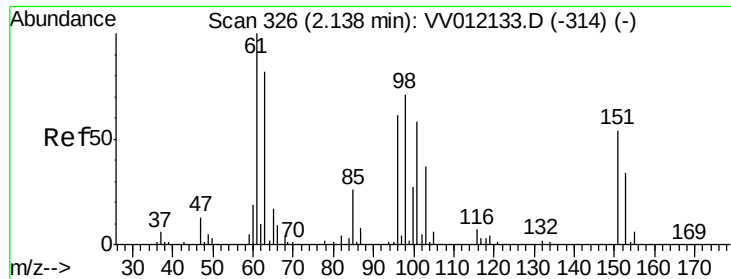
Tgt Ion: 64 Resp: 14058
 Ion Ratio Lower Upper
 64 100
 66 31.9 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 4.522 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion: 101 Resp: 55100
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.3 79.9





#10

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

Concen: 4.779 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

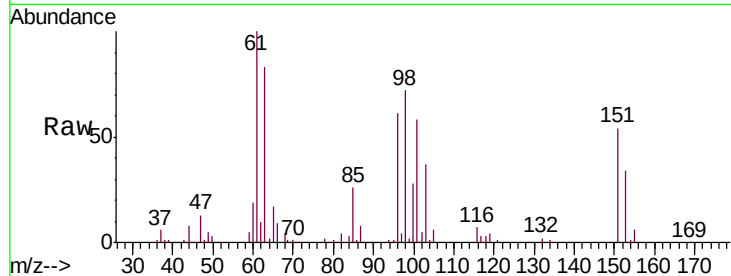
Tgt Ion:101 Resp: 25041

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

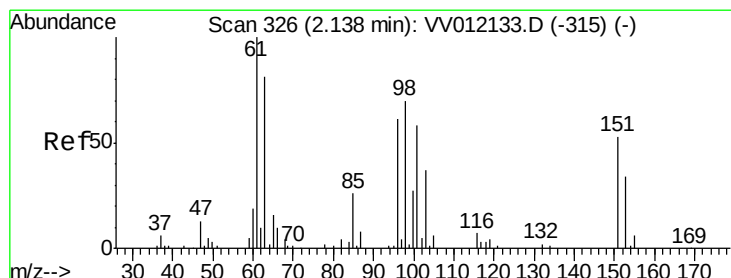
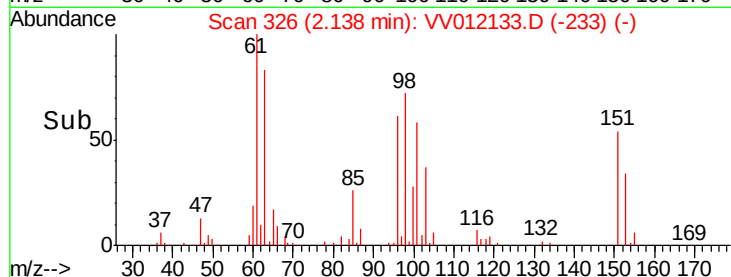
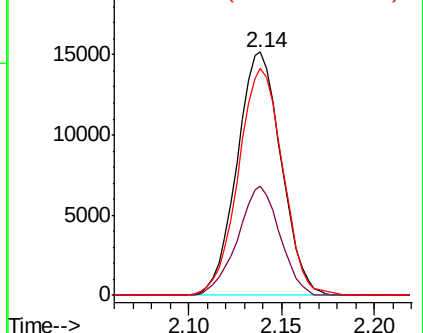
151 93.8 75.0 112.6



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: 4.710 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

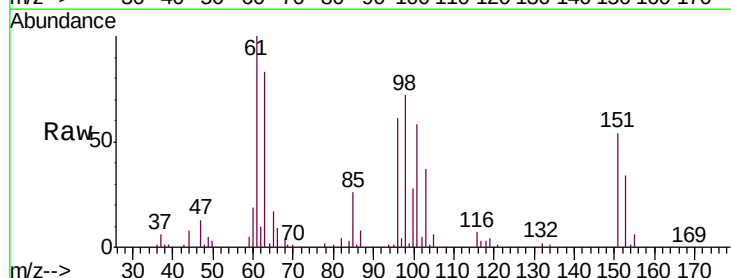
Tgt Ion: 96 Resp: 22699

Ion Ratio Lower Upper

96 100

61 163.9 114.7 213.1

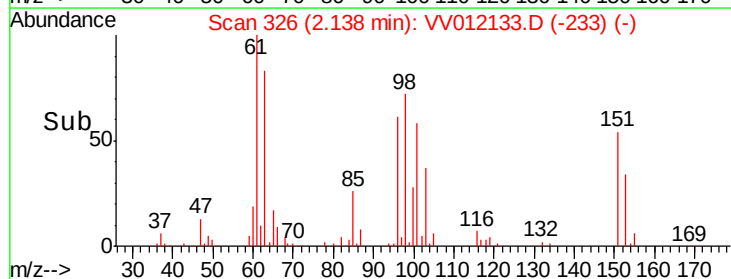
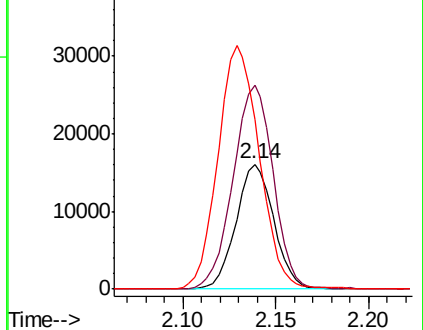
63 135.6 94.9 176.3

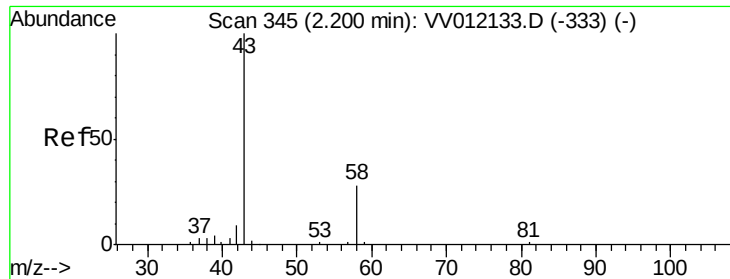


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.674 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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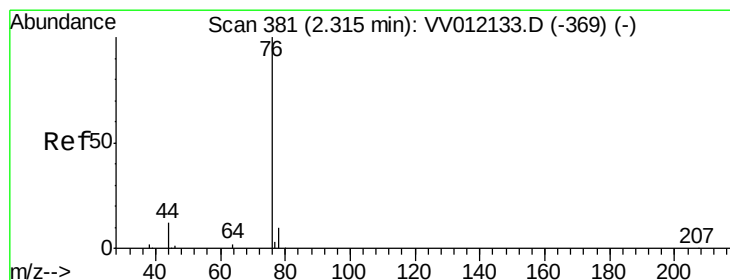
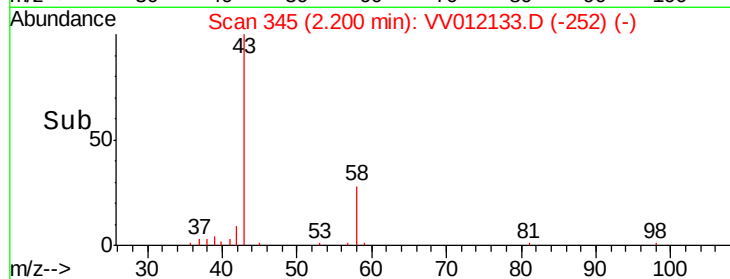
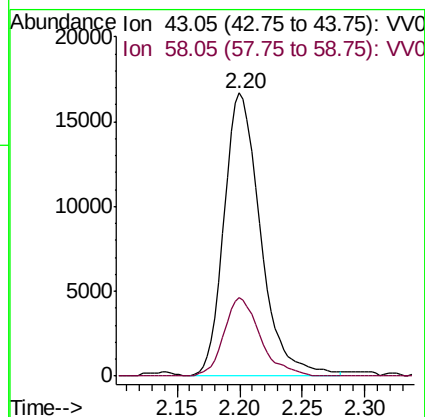
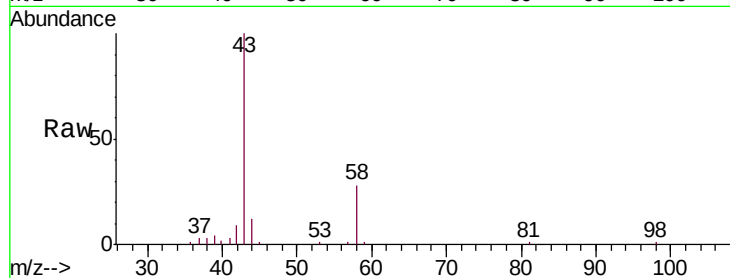
VSTD00536

Tgt Ion: 43 Resp: 33838

Ion Ratio Lower Upper

43 100

58 27.3 0.0 54.6



#14

Carbon disulfide

Concen: 4.836 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012133.D

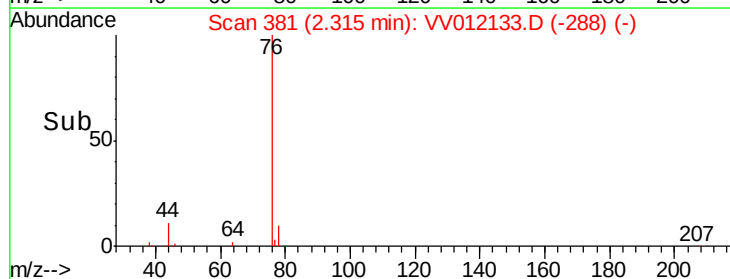
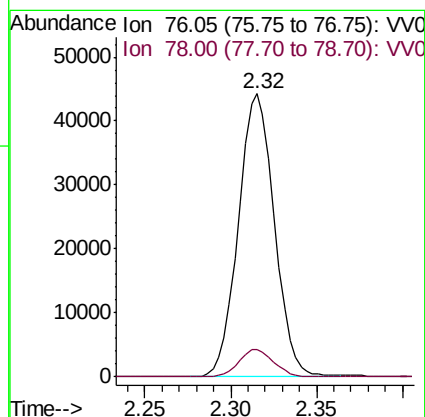
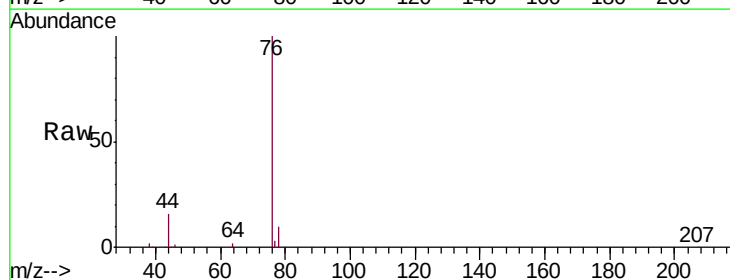
Acq: 08 Aug 2019 19:01

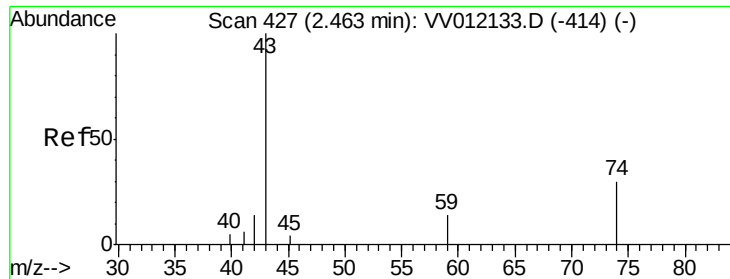
Tgt Ion: 76 Resp: 64194

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.8

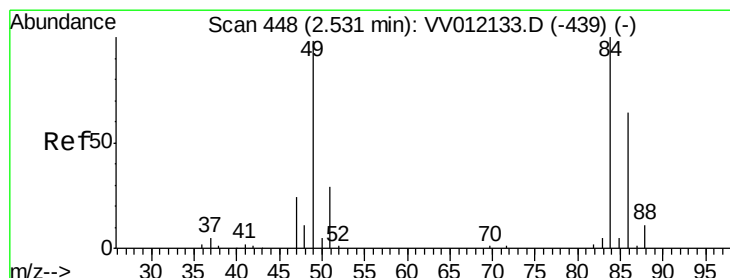
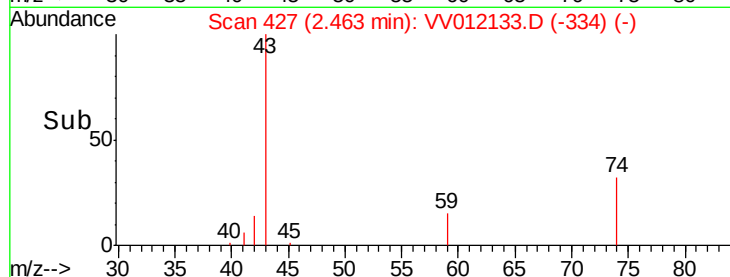
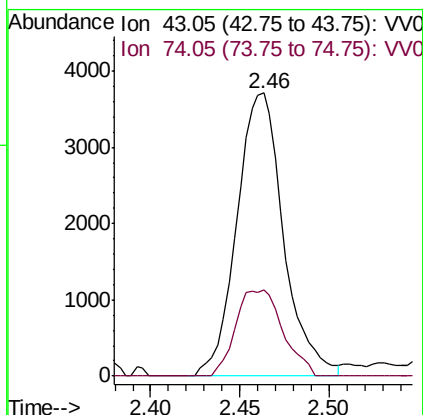
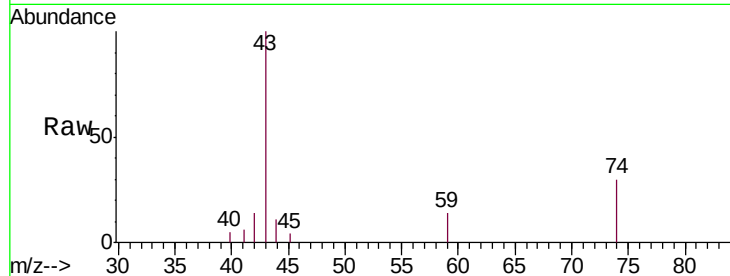




#15
Methyl Acetate
Concen: 4.099 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

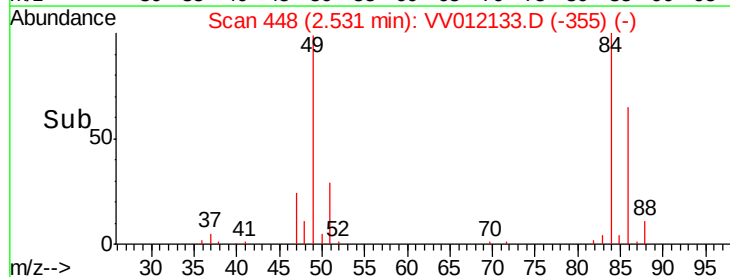
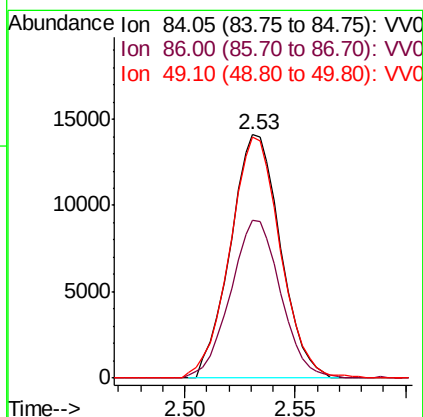
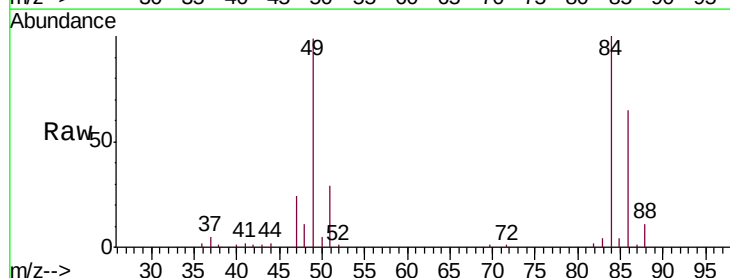
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

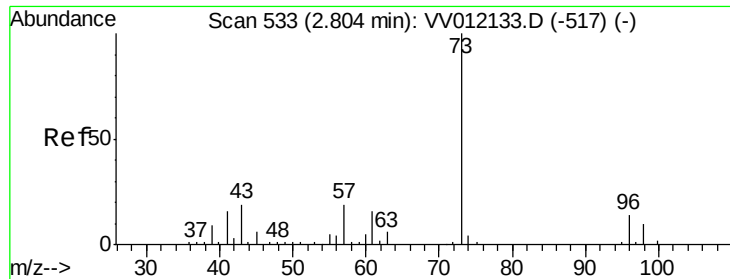
Tgt Ion: 43 Resp: 6773
Ion Ratio Lower Upper
43 100
74 30.7 24.6 36.8



#16
Methylene chloride
Concen: 4.443 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Tgt Ion: 84 Resp: 22121
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 98.8 69.2 128.4

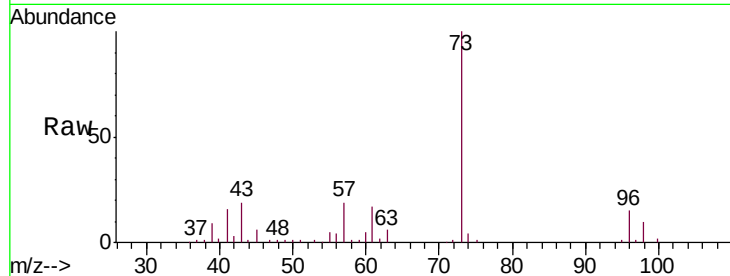




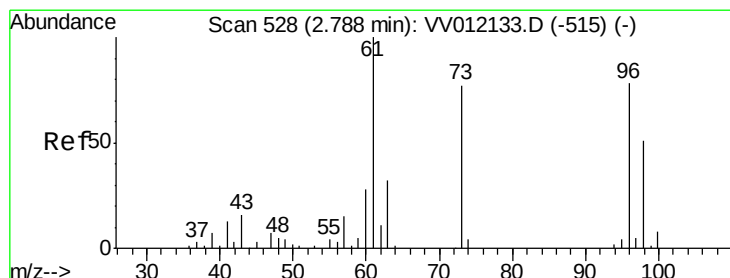
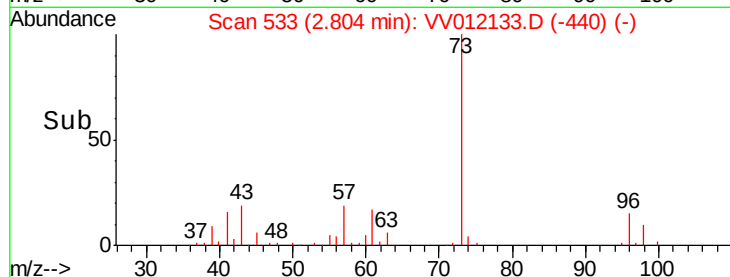
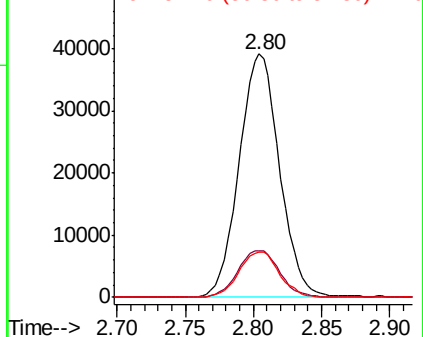
#17
Methyl tert-butyl Ether
Concen: 4.981 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Tgt Ion: 73 Resp: 80347
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 18.7 15.0 22.4

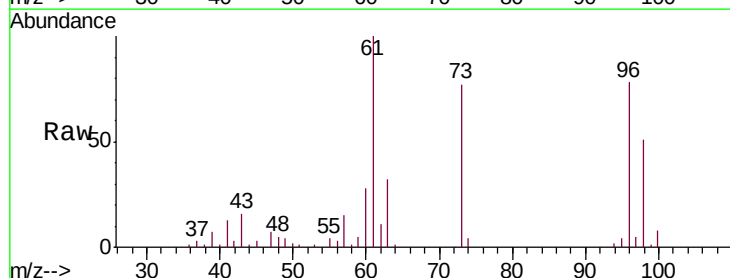


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

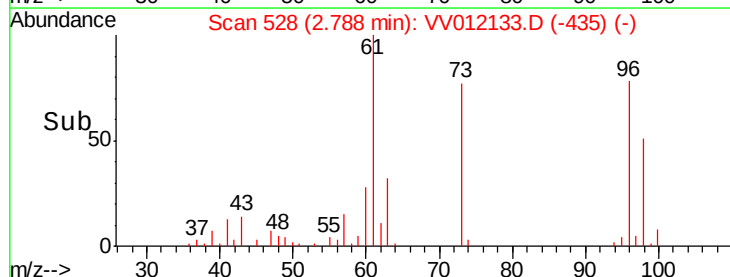
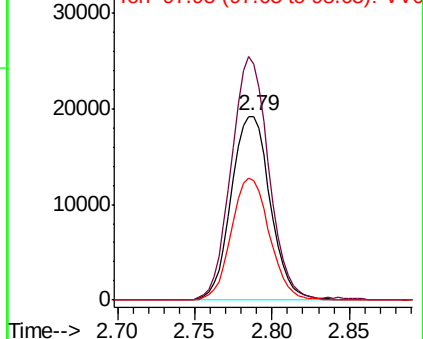


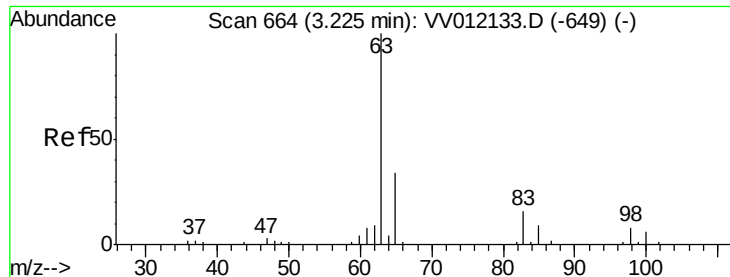
#18
trans-1,2-Dichloroethene
Concen: 4.665 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Tgt Ion: 96 Resp: 33625
Ion Ratio Lower Upper
96 100
61 128.5 89.9 167.0
98 65.1 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

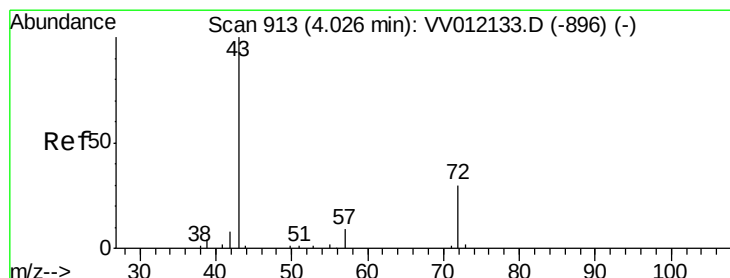
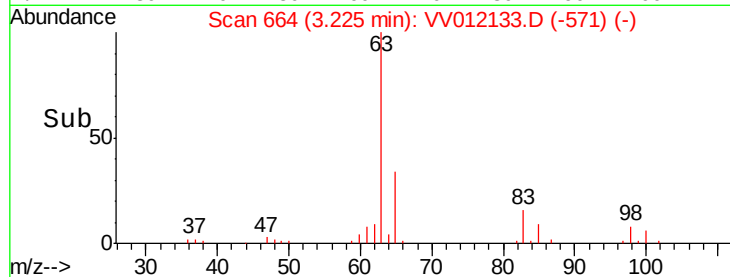
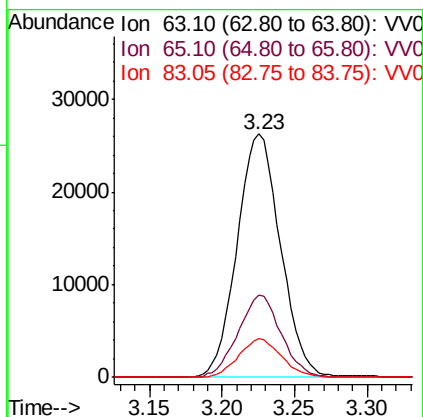
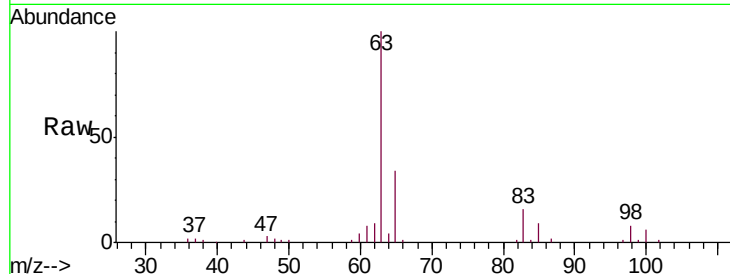




#19
 1,1-Dichloroethane
 Concen: 4.362 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

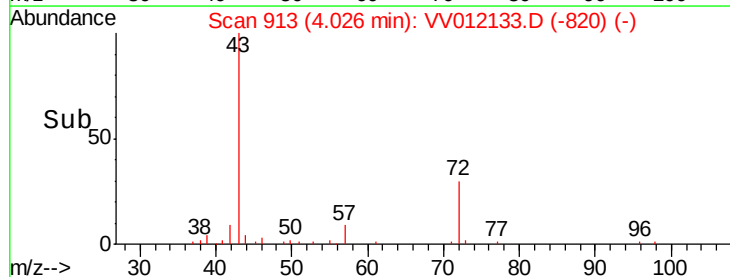
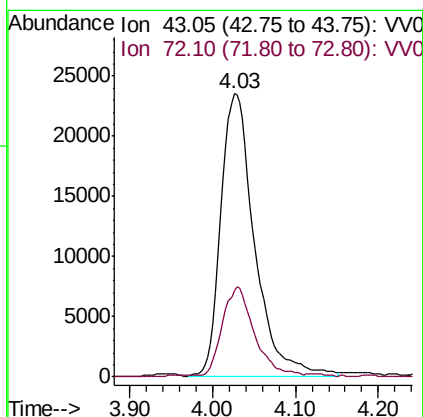
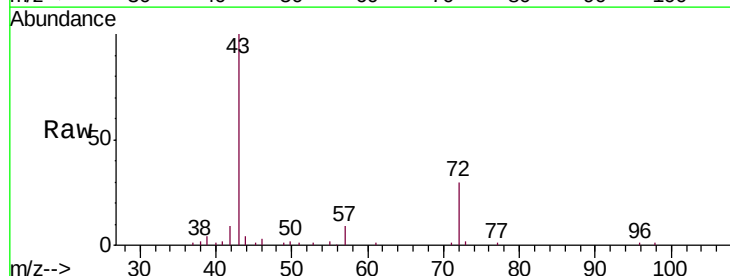
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

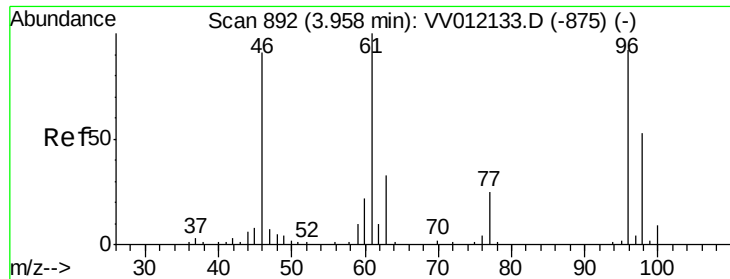
Tgt Ion: 63 Resp: 54662
 Ion Ratio Lower Upper
 63 100
 65 33.6 23.5 43.7
 83 15.7 11.0 20.4



#21
 2-Butanone
 Concen: 46.776 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion: 43 Resp: 66996
 Ion Ratio Lower Upper
 43 100
 72 29.5 14.8 44.3



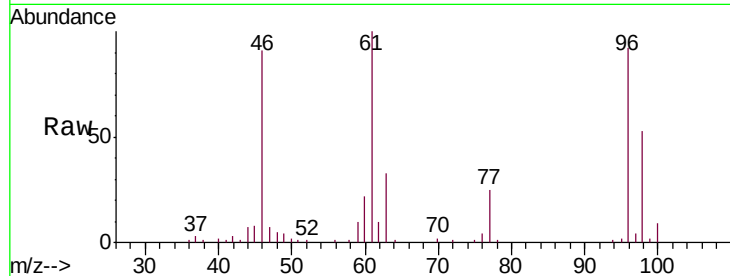


#22

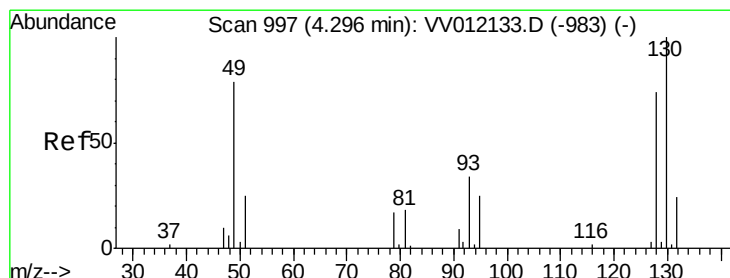
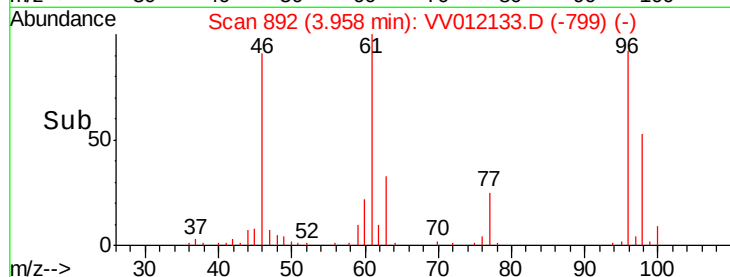
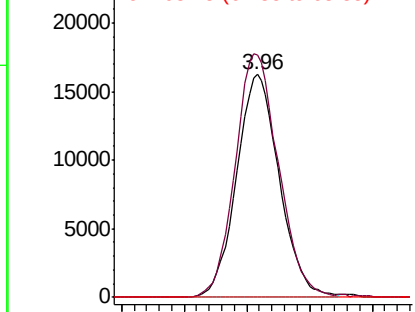
cis-1,2-Dichloroethene
 Concen: 4.941 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion: 96 Resp: 38433
 Ion Ratio Lower Upper
 96 100
 61 108.8 76.2 141.4
 68 0.0 0.0 0.0



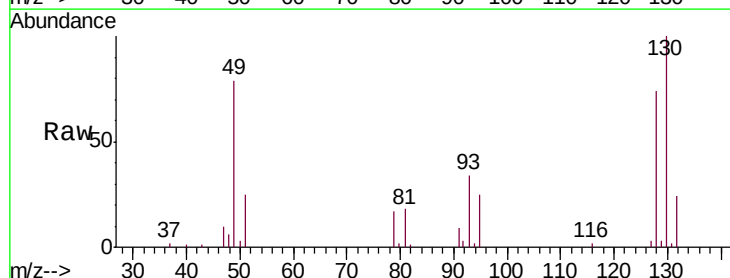
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



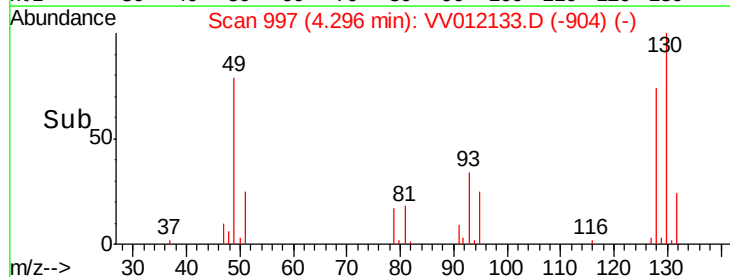
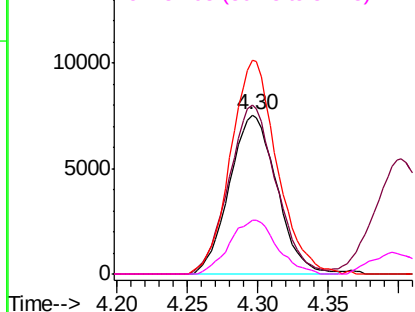
#23

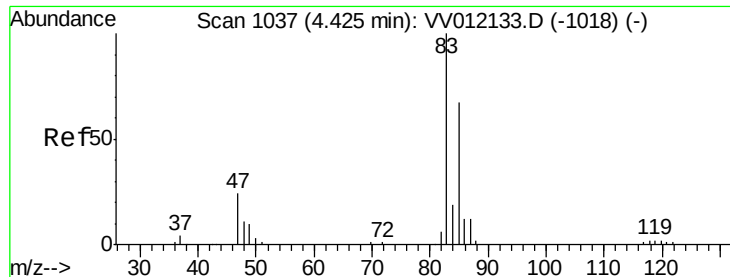
Bromochloromethane
 Concen: 5.036 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion: 128 Resp: 17684
 Ion Ratio Lower Upper
 128 100
 49 106.6 74.6 138.6
 130 134.3 94.0 174.6
 51 33.6 26.9 40.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

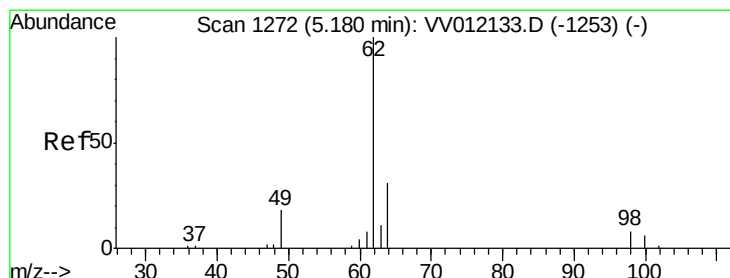
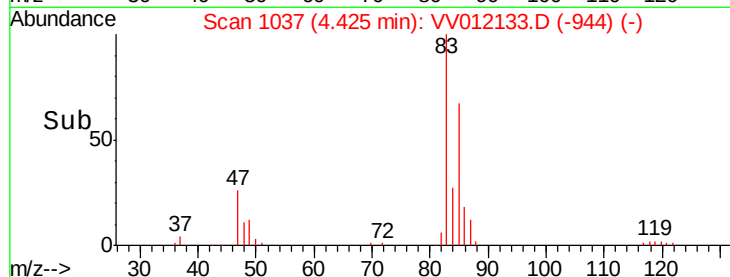
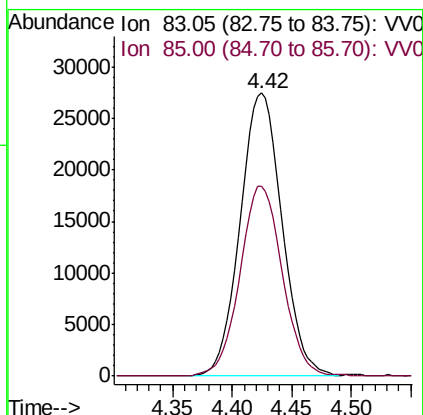
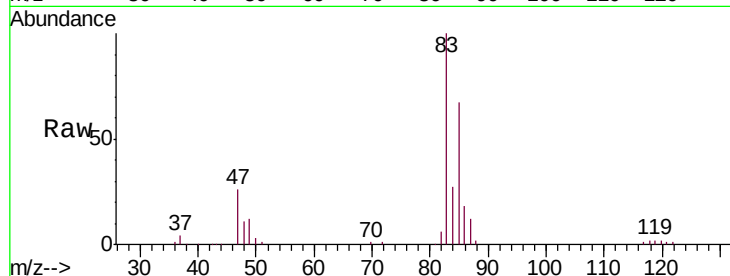




#25
Chloroform
Concen: 4.103 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

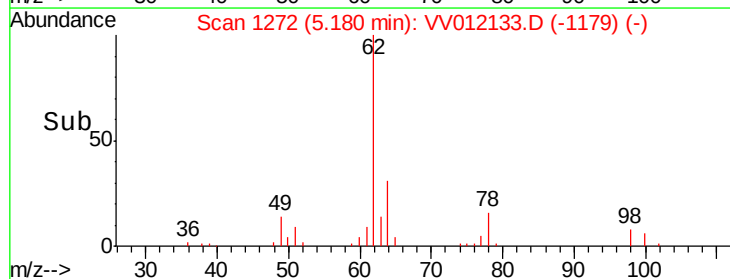
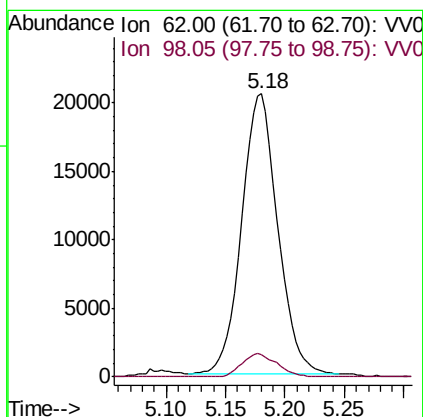
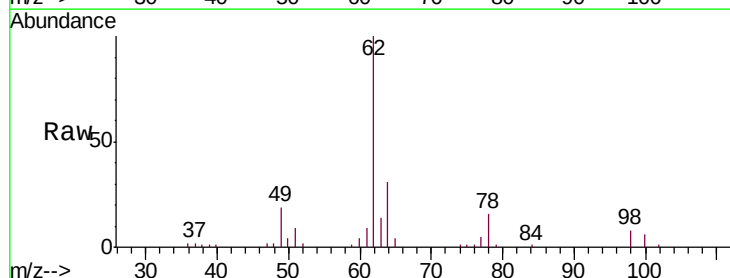
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

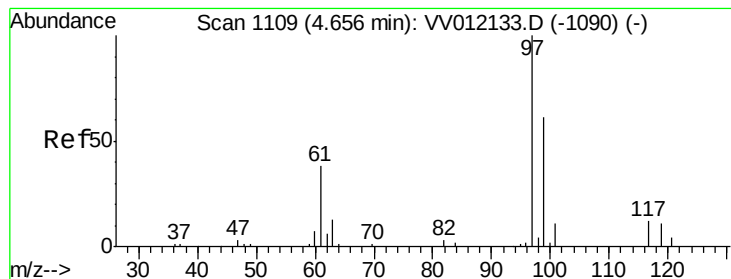
Tgt Ion: 83 Resp: 66868
Ion Ratio Lower Upper
83 100
85 67.3 47.1 87.5



#27
1,2-Dichloroethane
Concen: 4.712 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Tgt Ion: 62 Resp: 43011
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#29

1,1,1-Trichloroethane

Concen: 4.937 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

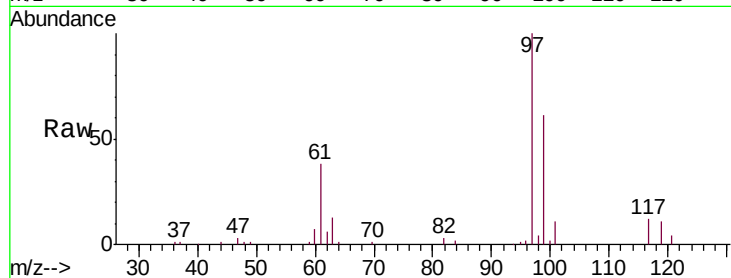
Tgt Ion: 97 Resp: 66448

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

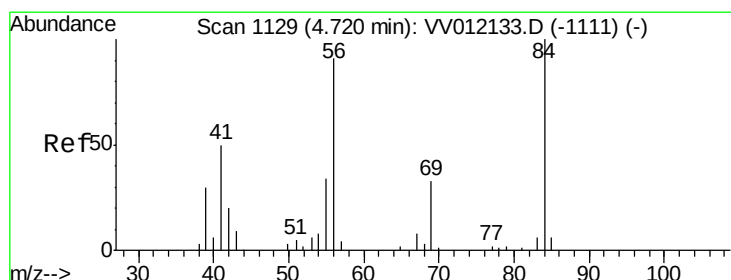
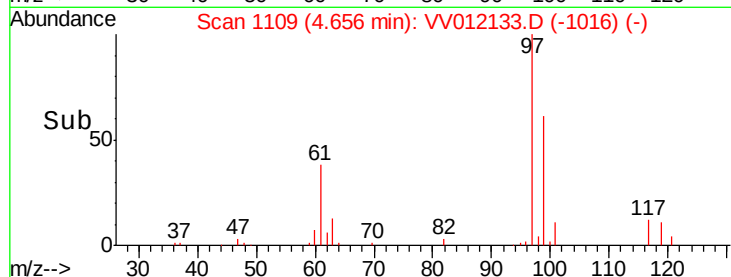
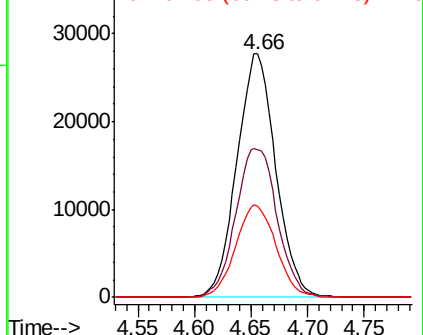
61 39.2 31.4 47.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.677 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

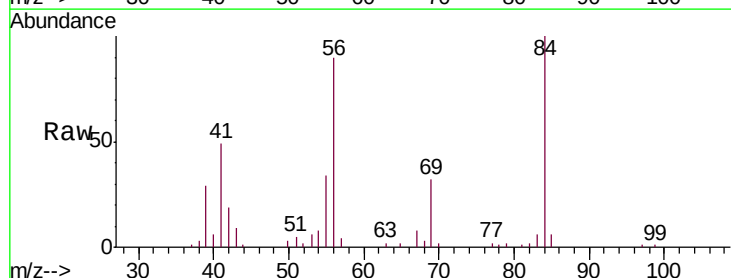
Tgt Ion: 56 Resp: 47127

Ion Ratio Lower Upper

56 100

69 35.0 28.0 42.0

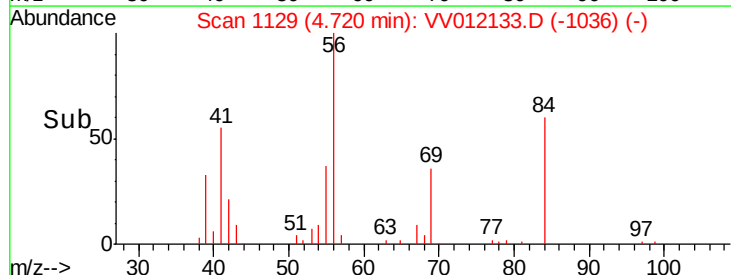
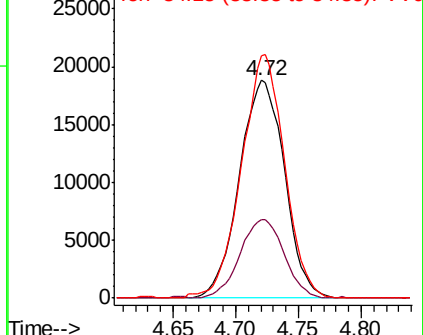
84 106.7 85.4 128.0

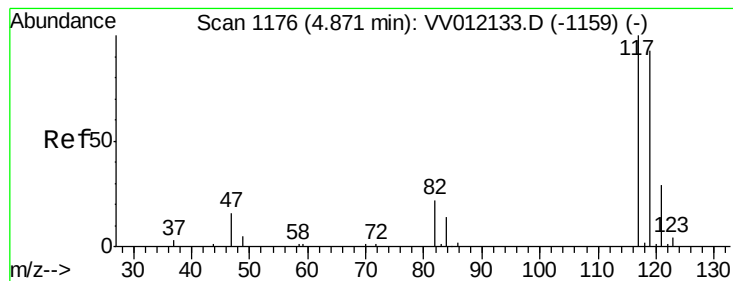


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.247 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

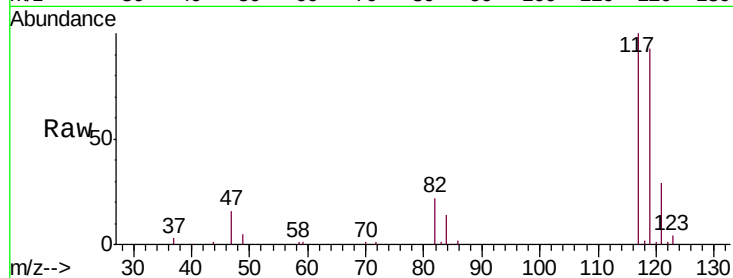
VSTD00536

Tgt Ion:117 Resp: 63975

Ion Ratio Lower Upper

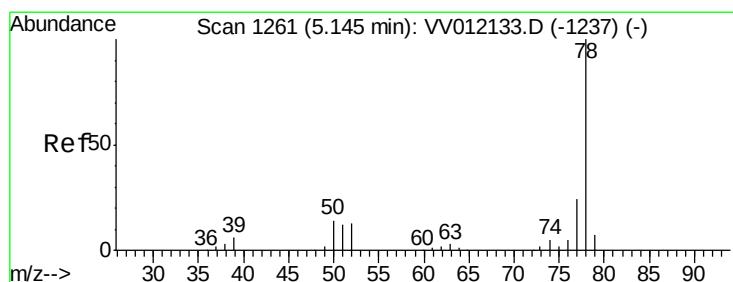
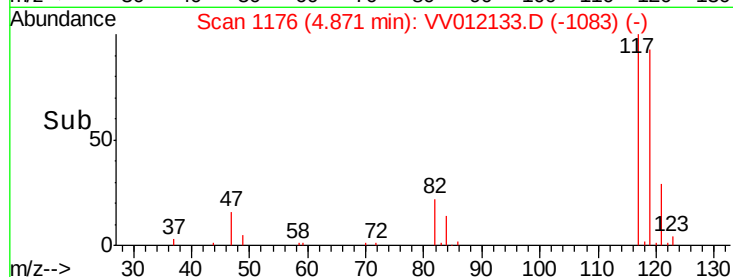
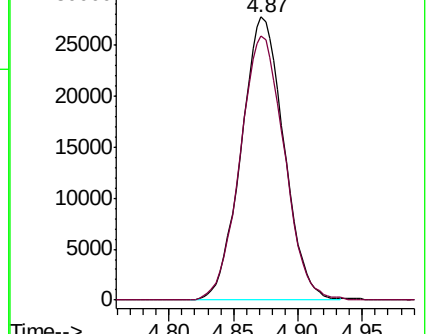
117 100

119 96.3 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.830 ug/L

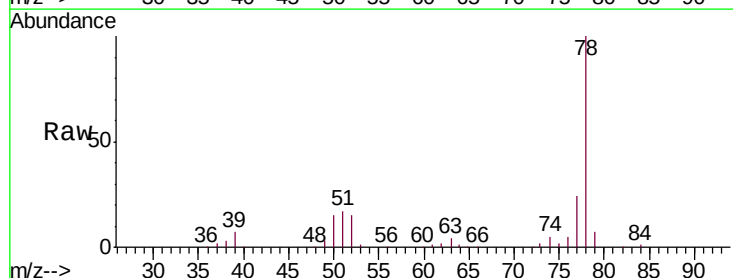
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

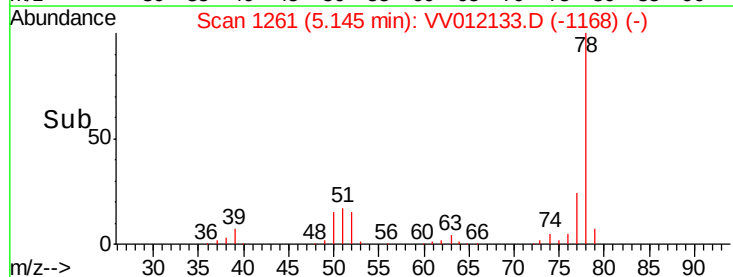
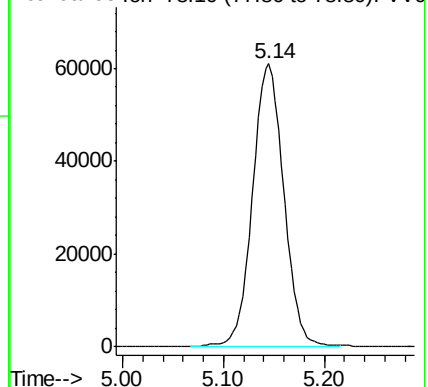
Lab File: VV012133.D

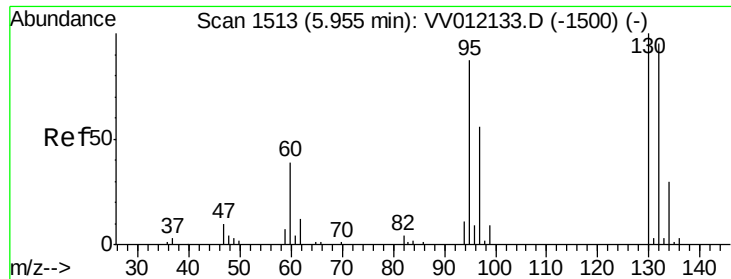
Acq: 08 Aug 2019 19:01

Tgt Ion: 78 Resp: 130944



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.910 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tgt Ion: 95 Resp: 38648

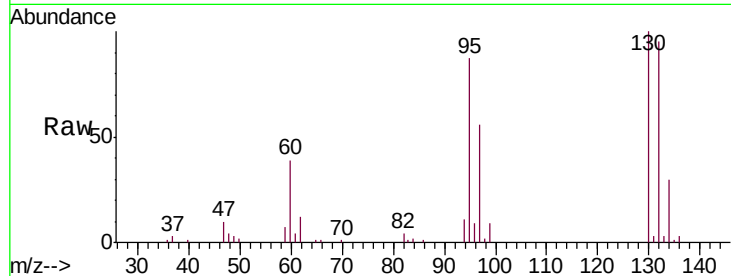
Ion Ratio Lower Upper

95 100

97 63.7 44.6 82.8

132 108.5 75.9 141.1

130 114.5 80.2 148.9

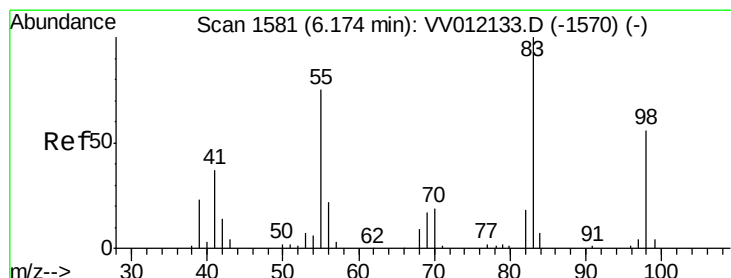
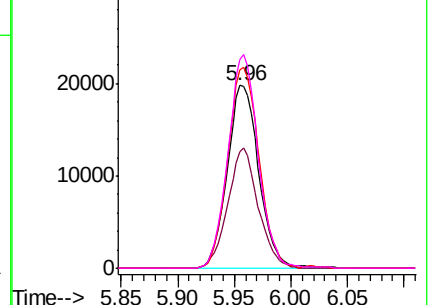
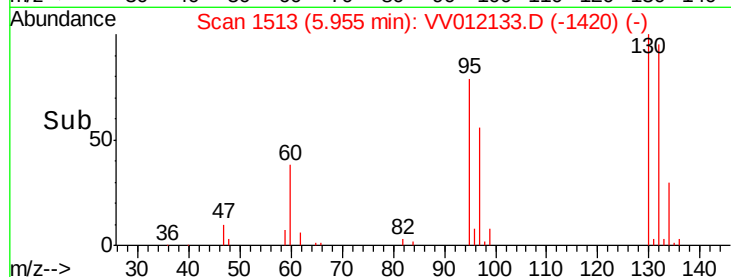


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.892 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

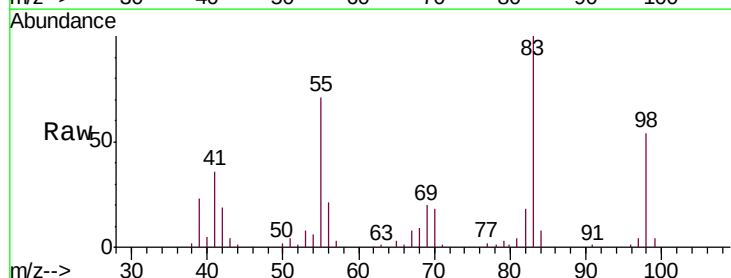
Tgt Ion: 83 Resp: 58389

Ion Ratio Lower Upper

83 100

55 68.8 55.0 82.6

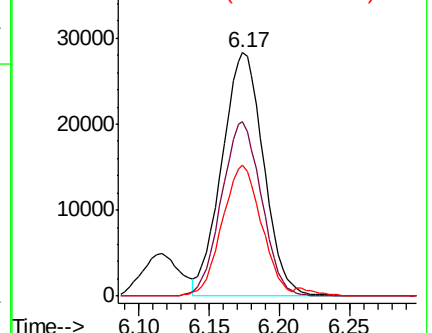
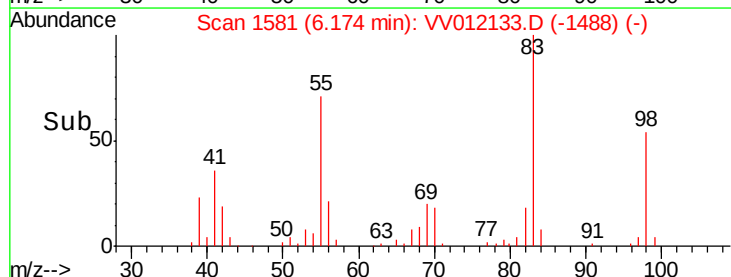
98 50.5 40.4 60.6

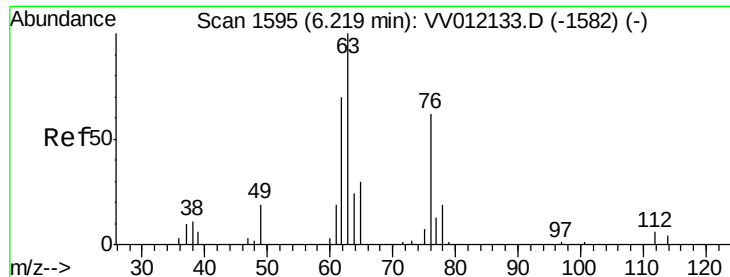


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

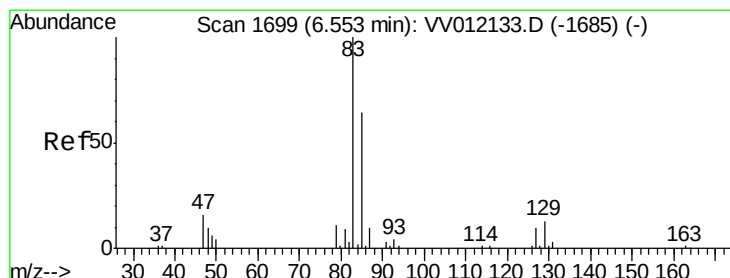
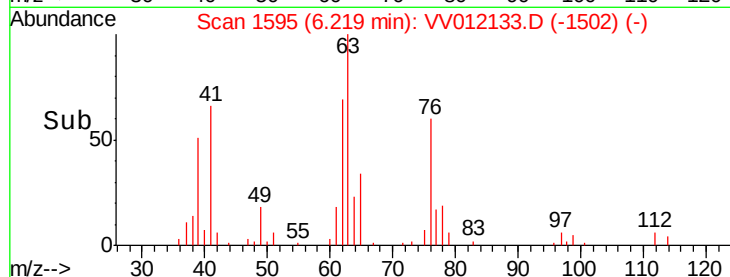
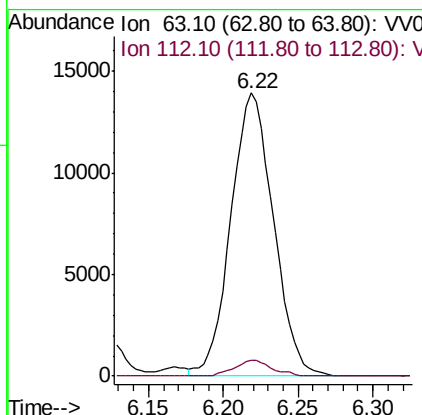
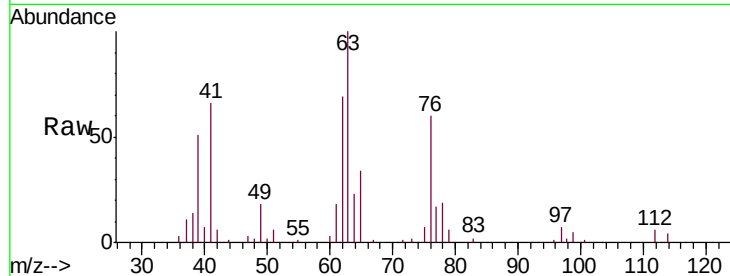




#37
 1,2-Dichloropropane
 Concen: 4.419 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

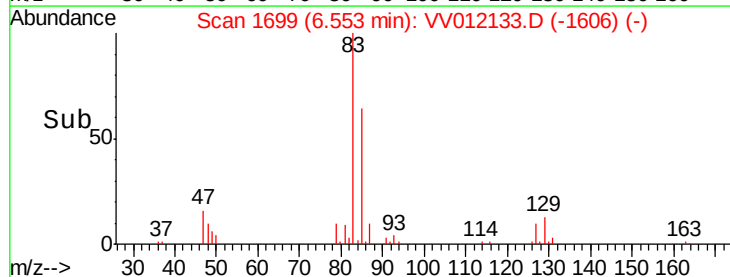
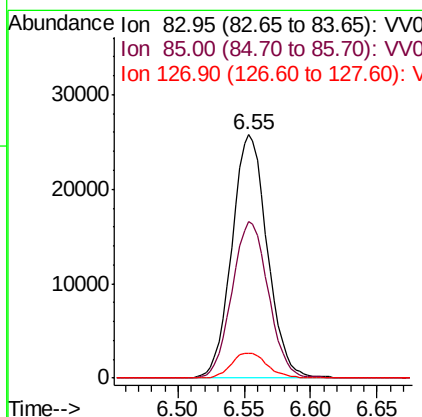
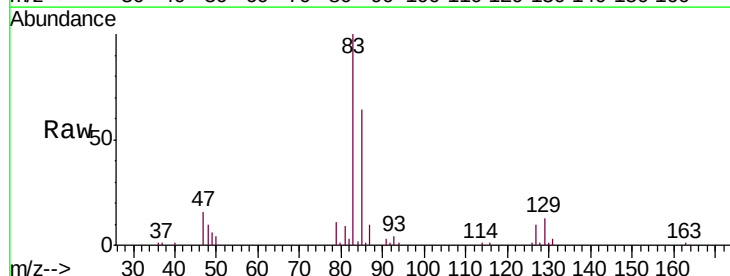
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

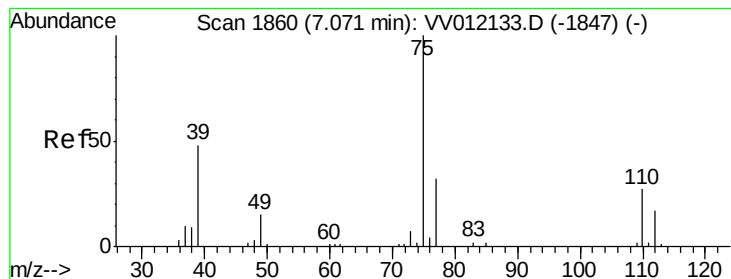
Tgt Ion: 63 Resp: 27590
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.091 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion: 83 Resp: 47852
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 10.2 8.2 12.2





#39

cis-1,3-Dichloropropene

Concen: 5.047 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

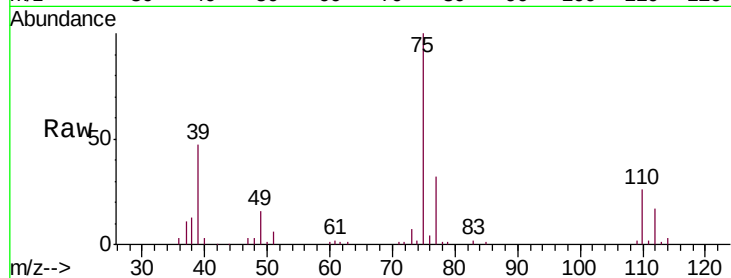
VSTD00536

Tgt Ion: 75 Resp: 49724

Ion Ratio Lower Upper

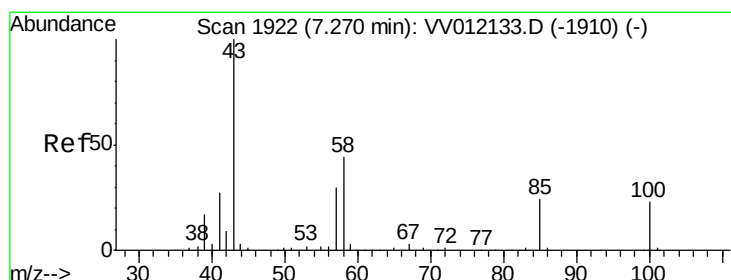
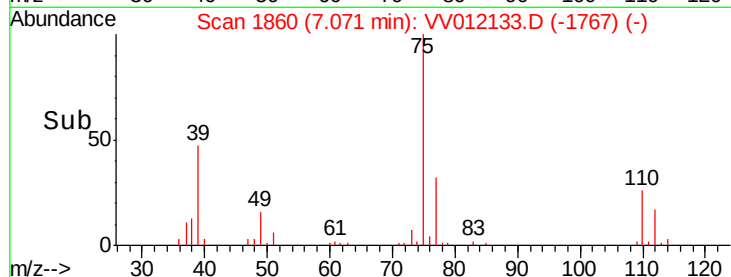
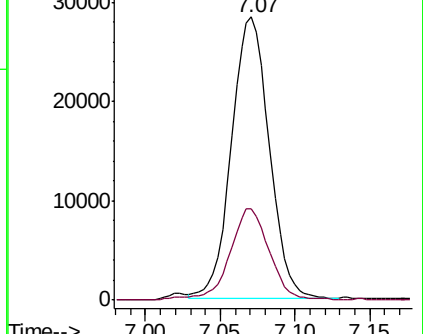
75 100

77 32.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 48.844 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

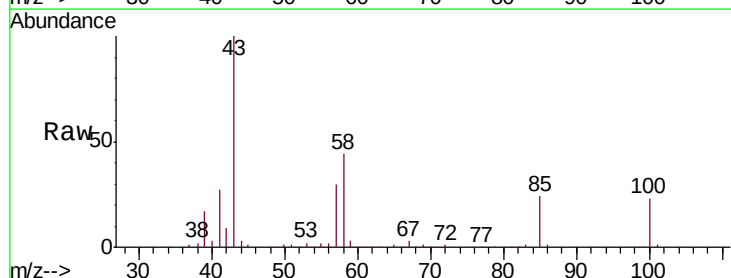
Tgt Ion: 43 Resp: 166848

Ion Ratio Lower Upper

43 100

58 42.7 34.2 51.2

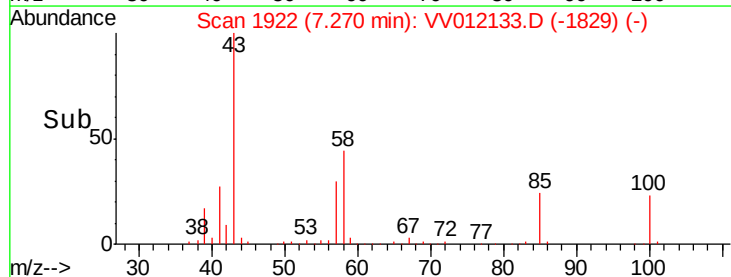
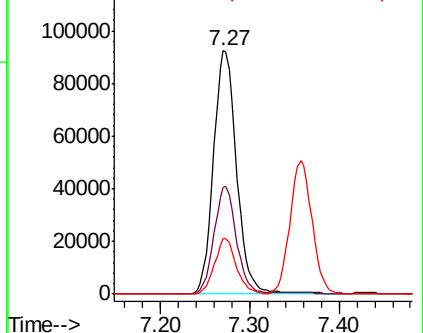
100 21.3 17.0 25.6

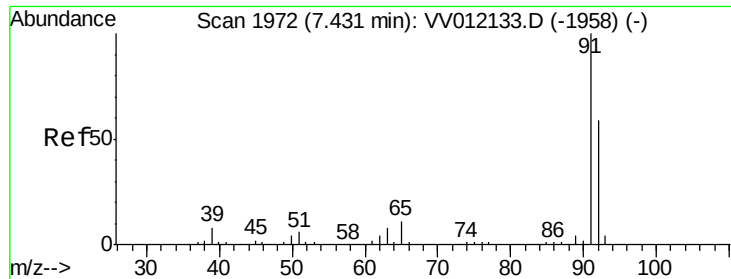


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.067 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

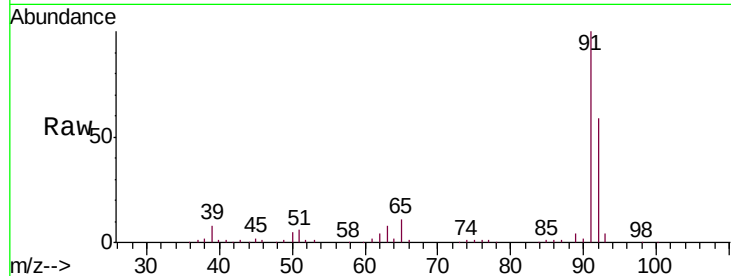
VSTD00536

Tgt Ion: 91 Resp: 151451

Ion Ratio Lower Upper

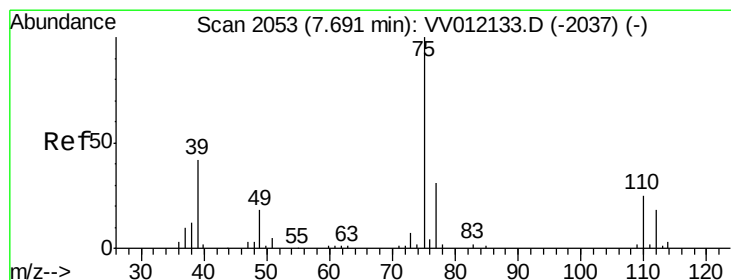
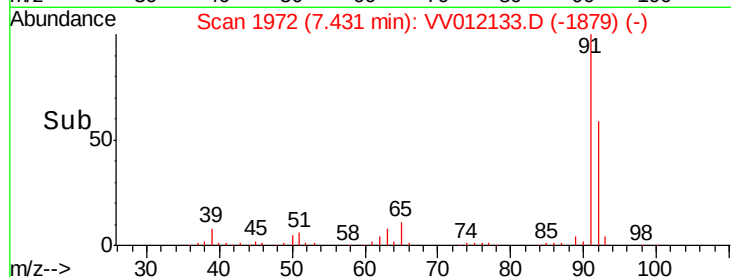
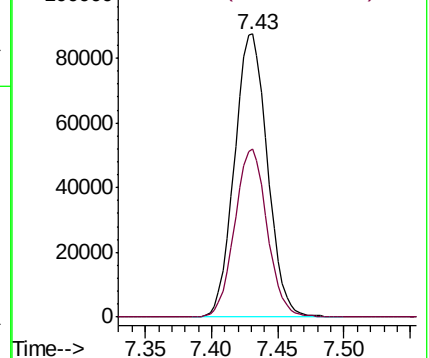
91 100

92 59.2 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.352 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012133.D

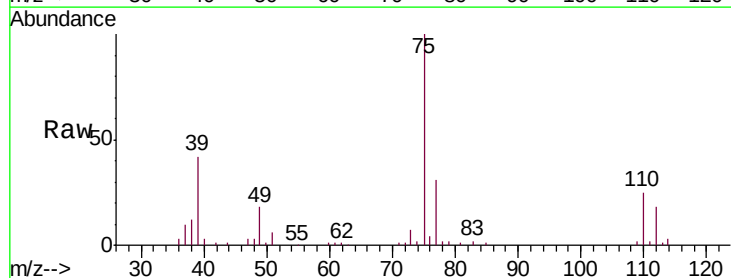
Acq: 08 Aug 2019 19:01

Tgt Ion: 75 Resp: 43155

Ion Ratio Lower Upper

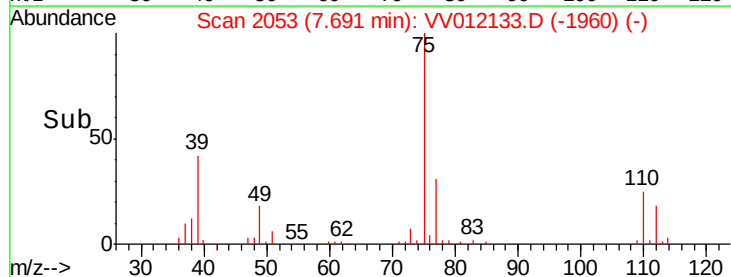
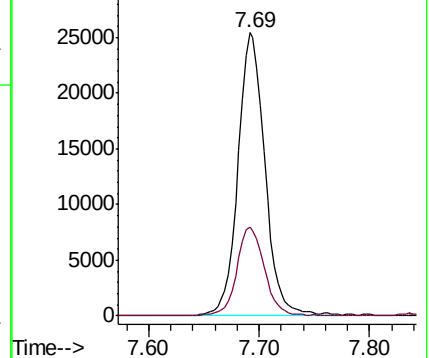
75 100

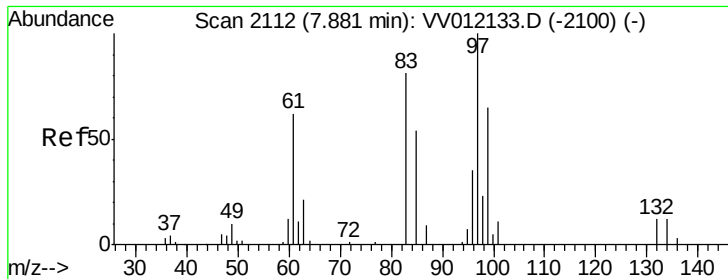
77 31.5 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

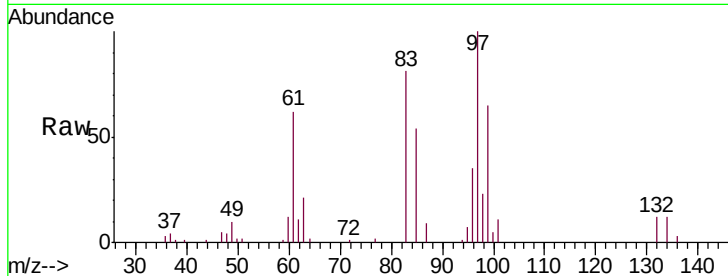




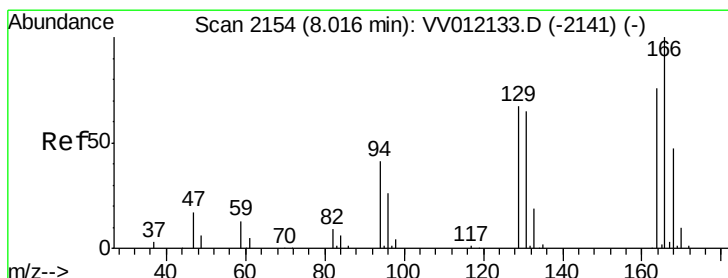
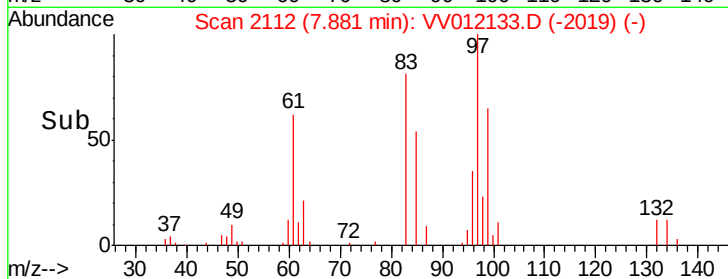
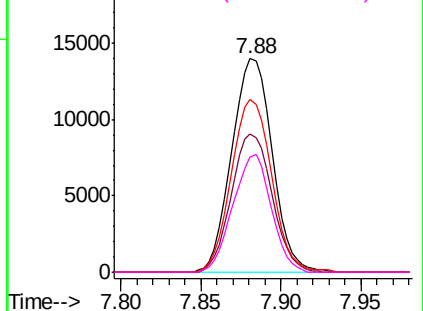
#45
 1,1,2-Trichloroethane
 Concen: 5.096 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion: 97 Resp: 24184
 Ion Ratio Lower Upper
 97 100
 99 64.6 45.2 84.0
 83 81.1 56.8 105.4
 85 54.2 37.9 70.5

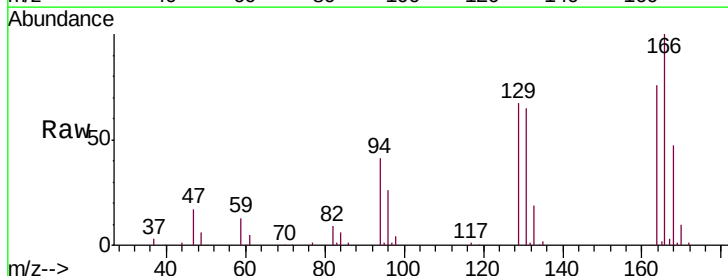


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

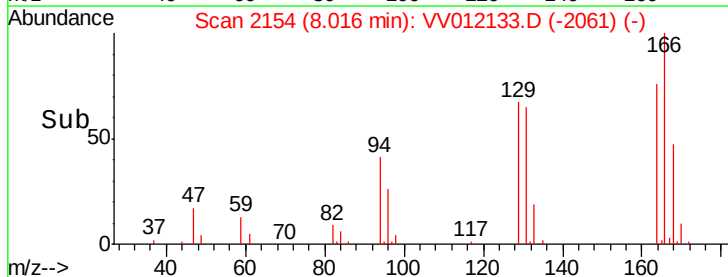
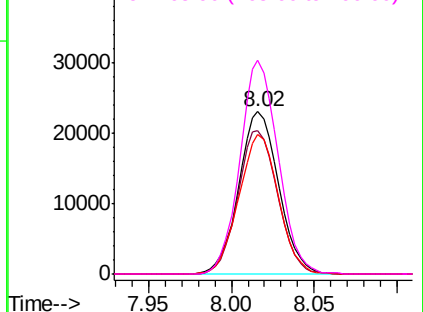


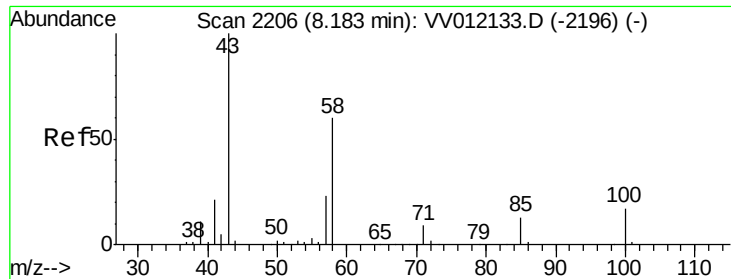
#47
 Tetrachloroethene
 Concen: 5.270 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion: 164 Resp: 38482
 Ion Ratio Lower Upper
 164 100
 129 88.8 62.2 115.4
 131 85.8 60.1 111.5
 166 131.7 92.2 171.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

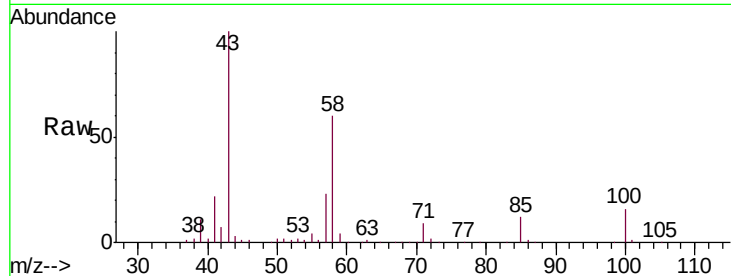




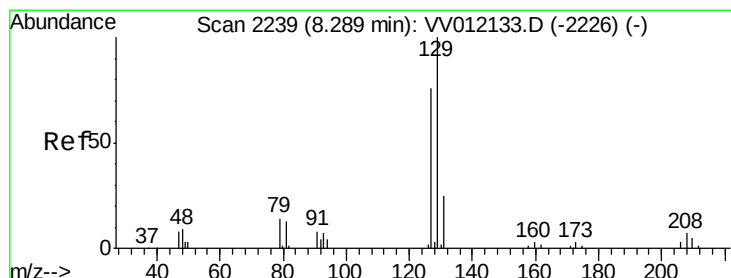
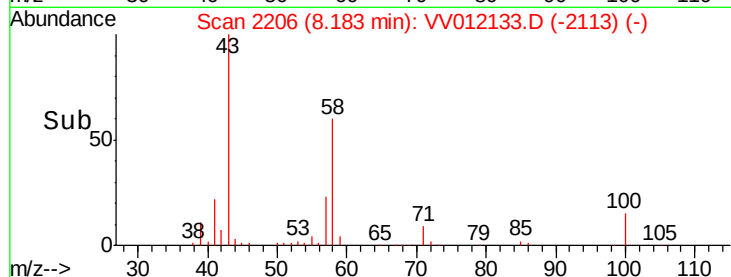
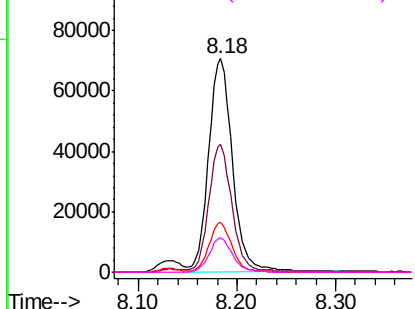
#48
2-Hexanone
Concen: 49.685 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Tgt Ion: 43 Resp: 118766
Ion Ratio Lower Upper
43 100
58 58.0 46.4 69.6
57 22.1 17.7 26.5
100 16.1 12.9 19.3

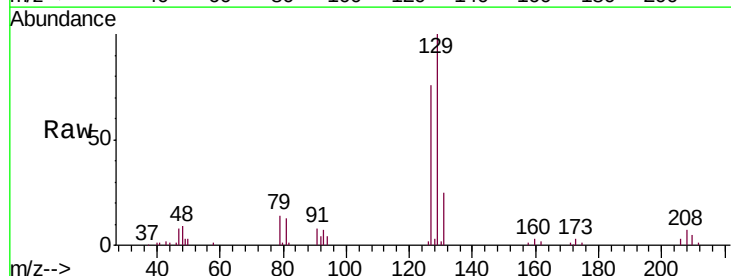


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

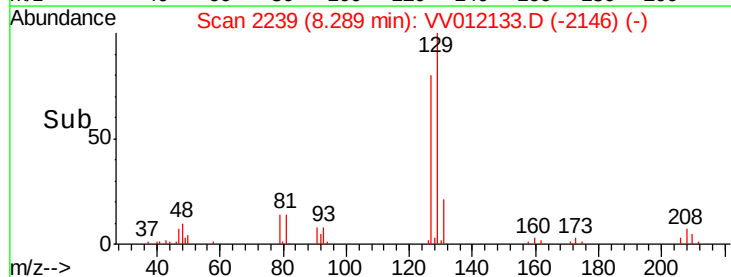
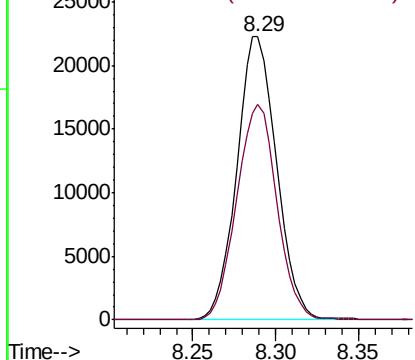


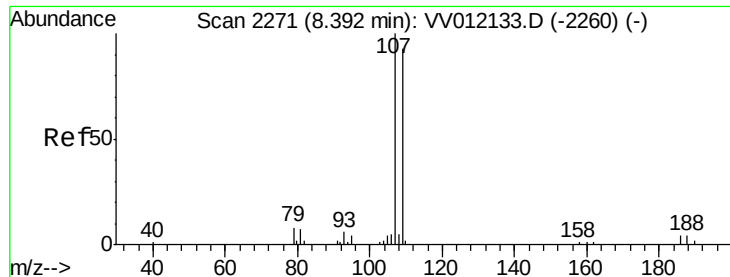
#49
Dibromochloromethane
Concen: 5.847 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Tgt Ion: 129 Resp: 37205
Ion Ratio Lower Upper
129 100
127 76.3 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

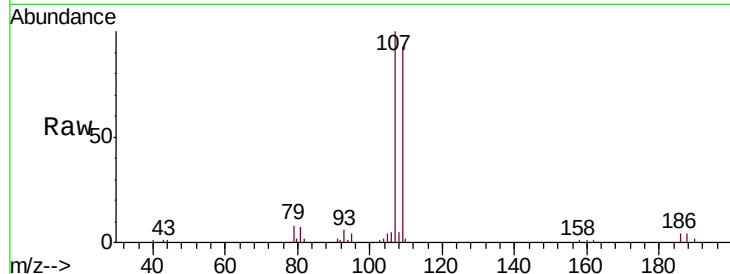




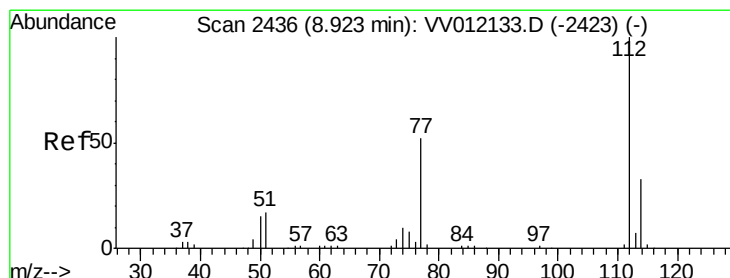
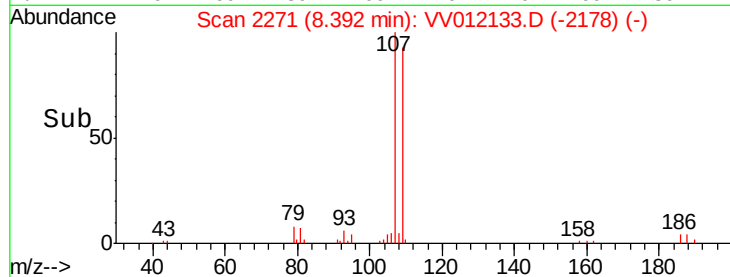
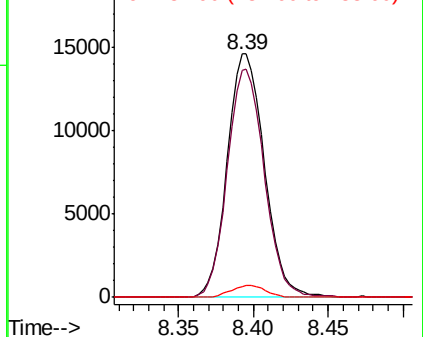
#50
 1,2-Dibromoethane
 Concen: 5.460 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion:107 Resp: 25316
 Ion Ratio Lower Upper
 107 100
 109 93.0 65.1 120.9
 188 4.4 3.5 5.3

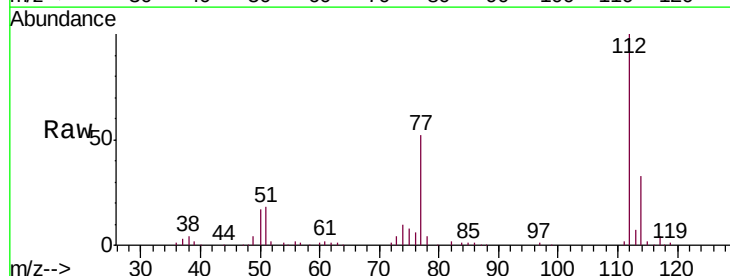


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

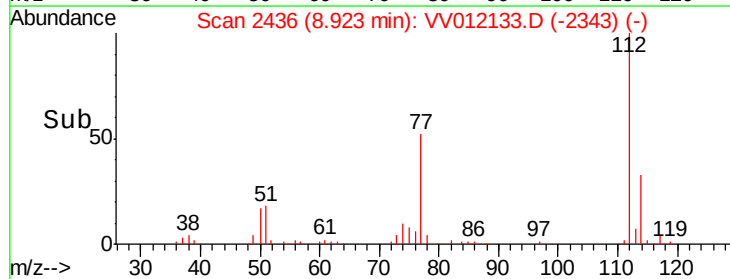
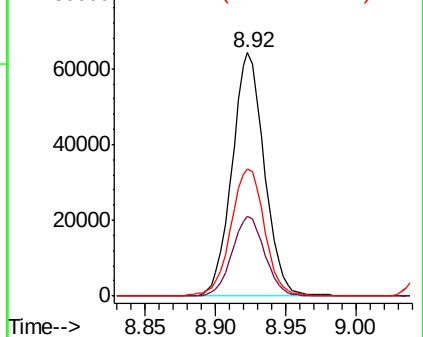


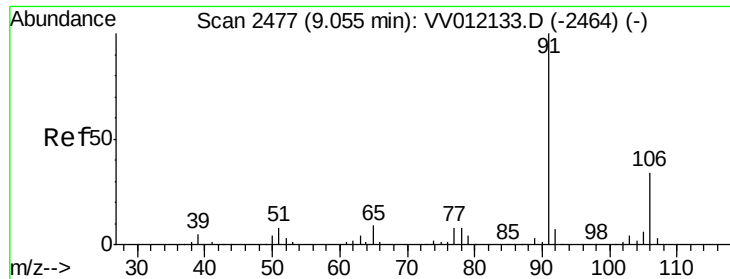
#51
 Chlorobenzene
 Concen: 5.063 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion:112 Resp: 103157
 Ion Ratio Lower Upper
 112 100
 114 32.9 23.0 42.8
 77 52.3 41.8 62.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

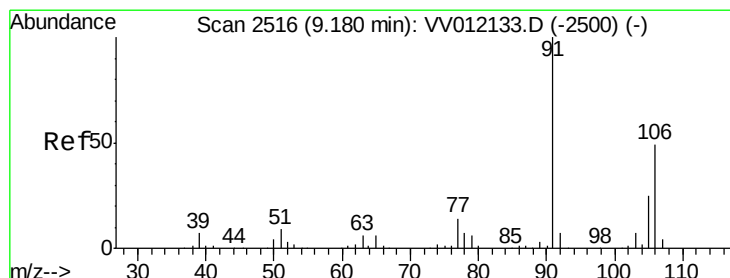
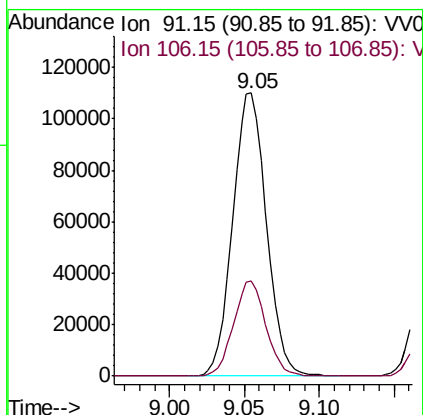
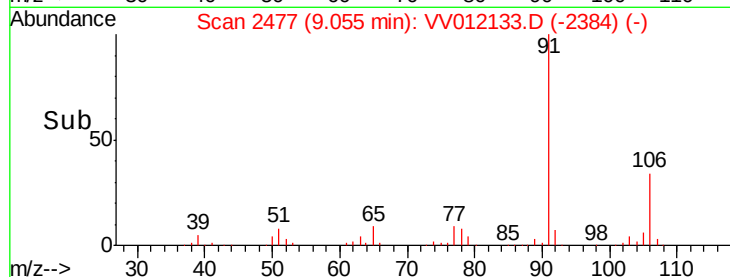
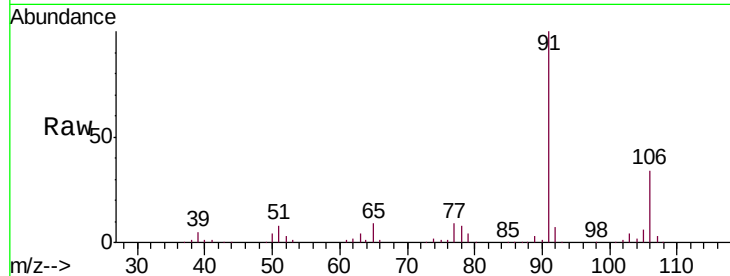




#52
Ethylbenzene
Concen: 5.022 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

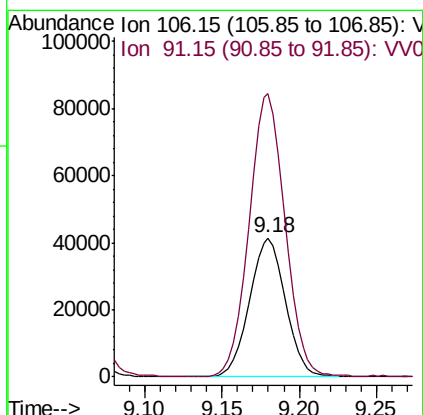
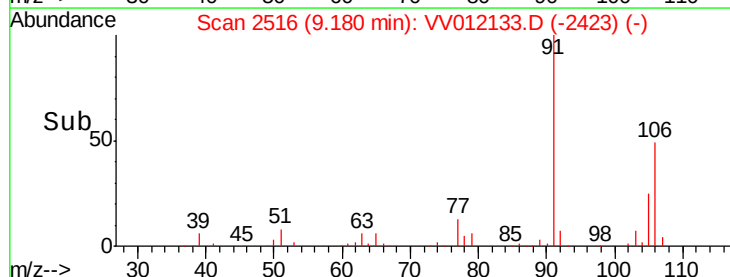
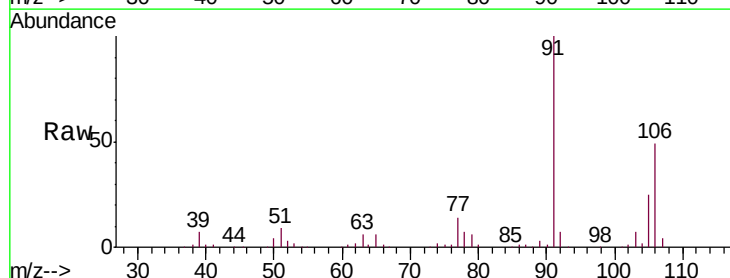
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

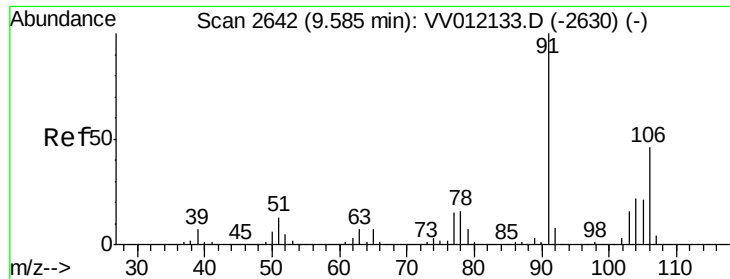
Tgt Ion: 91 Resp: 172688
Ion Ratio Lower Upper
91 100
106 33.8 23.7 43.9



#53
m,p-xylene
Concen: 5.068 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012133.D
Acq: 08 Aug 2019 19:01

Tgt Ion: 106 Resp: 67109
Ion Ratio Lower Upper
106 100
91 203.1 142.2 264.0





#54

o-xylene

Concen: 5.140 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

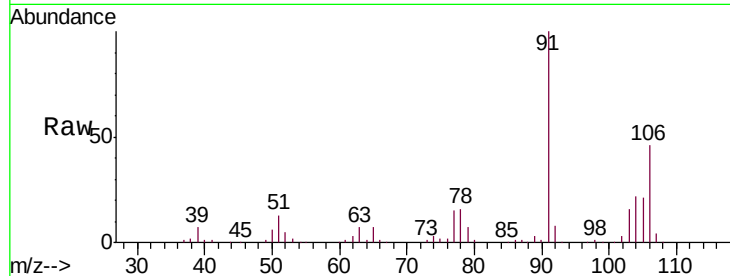
VSTD00536

Tgt Ion:106 Resp: 65421

Ion Ratio Lower Upper

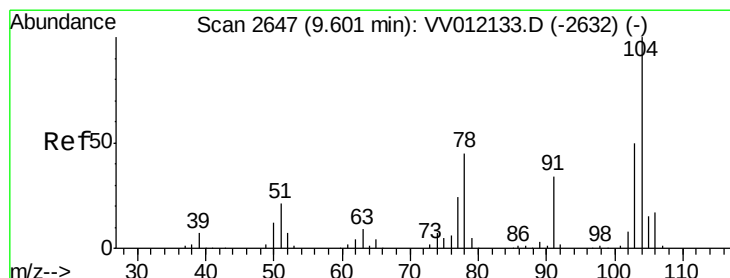
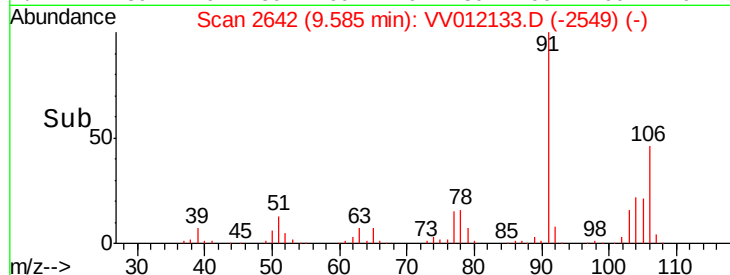
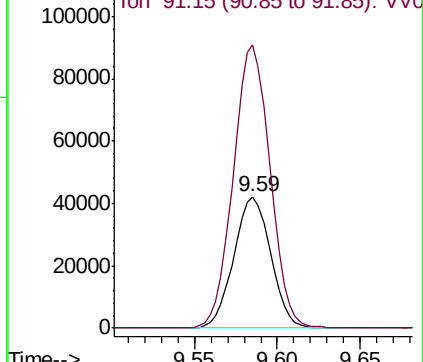
106 100

91 215.5 150.8 280.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.131 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012133.D

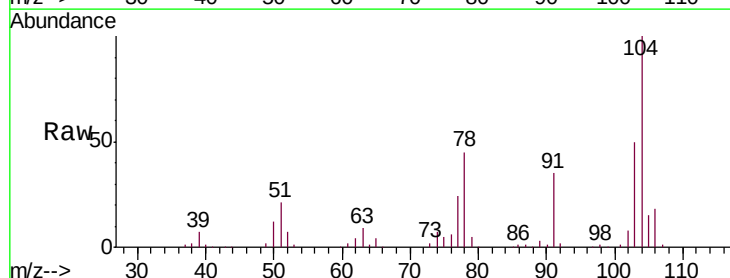
Acq: 08 Aug 2019 19:01

Tgt Ion:104 Resp: 110430

Ion Ratio Lower Upper

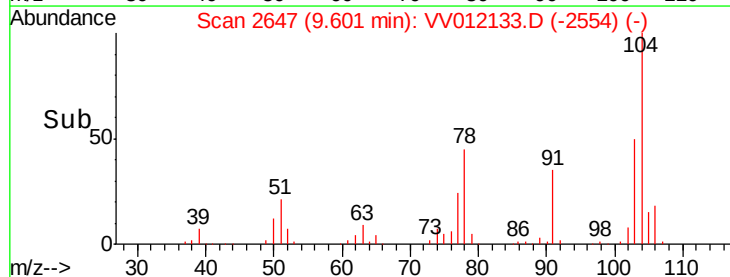
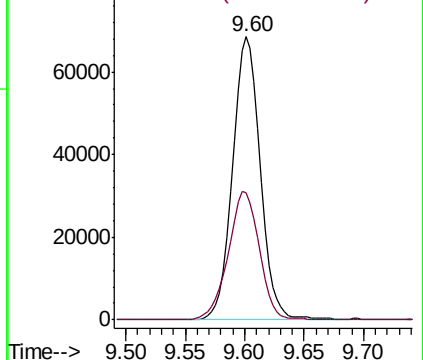
104 100

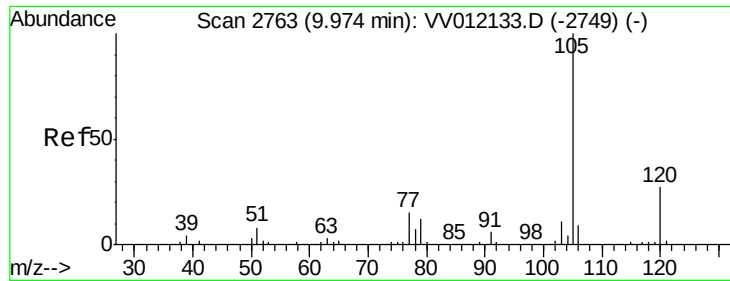
78 45.0 31.5 58.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.133 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

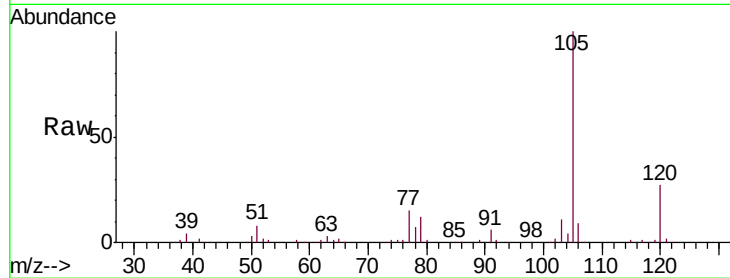
Tgt Ion: 105 Resp: 180879

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

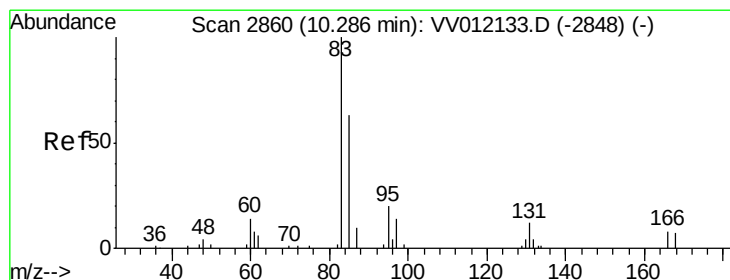
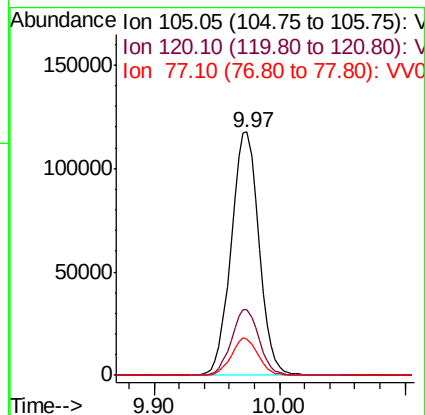
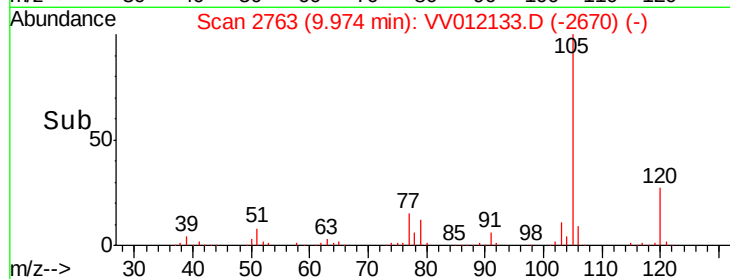
77 14.6 11.7 17.5



Abundance Ion 105.05 (104.75 to 105.75): VV012133.D (-2749) (-)

Ion 120.10 (119.80 to 120.80): VV012133.D (-2749) (-)

Ion 77.10 (76.80 to 77.80): VV012133.D (-2749) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.222 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

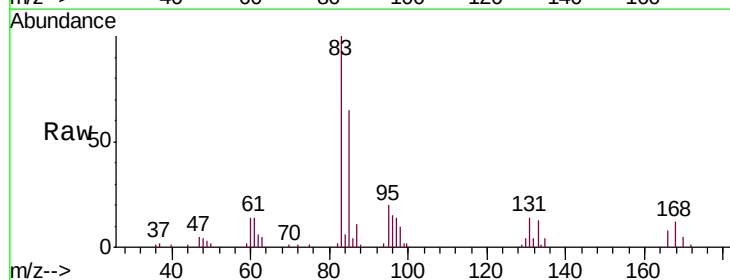
Tgt Ion: 83 Resp: 27529

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

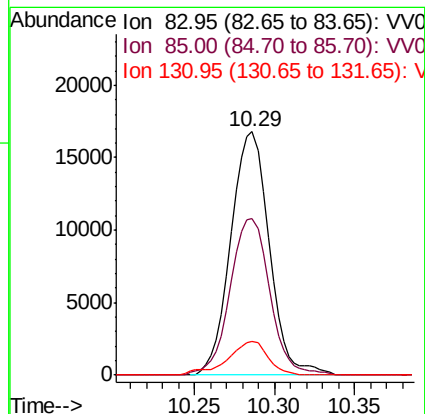
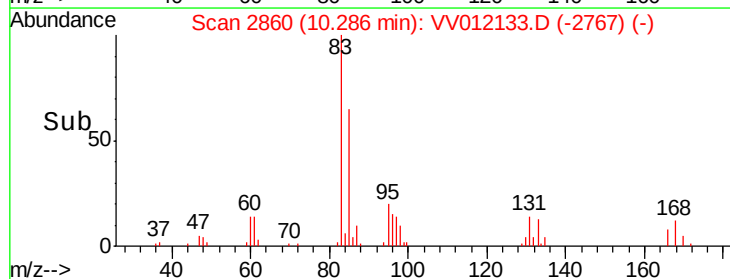
131 13.9 11.1 16.7

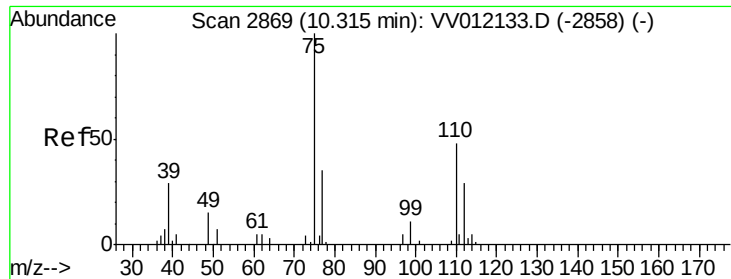


Abundance Ion 82.95 (82.65 to 83.65): VV012133.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV012133.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV012133.D (-2848) (-)





#59

1,2,3-Trichloropropane

Concen: 5.049 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

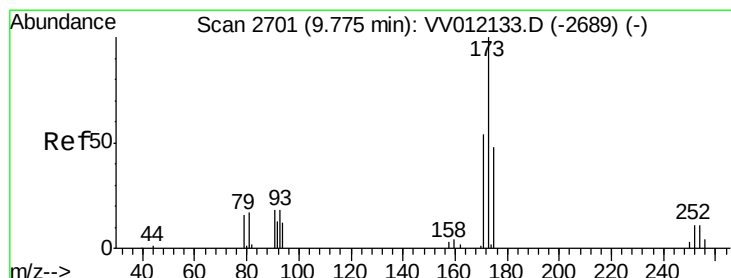
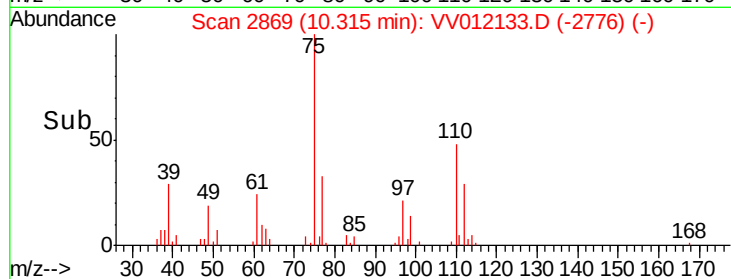
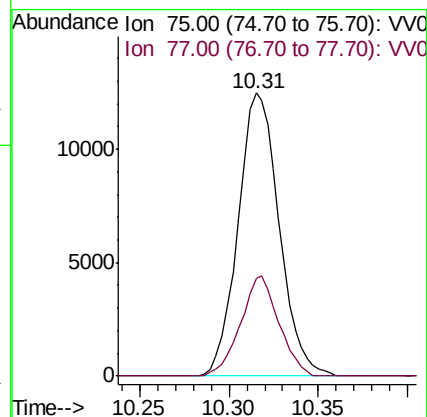
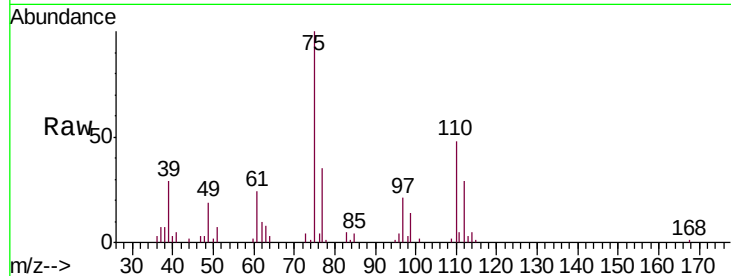
VSTD00536

Tgt Ion: 75 Resp: 20032

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6



#61

Bromoform

Concen: 6.277 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

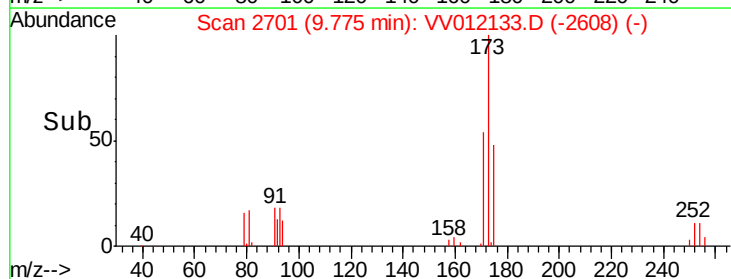
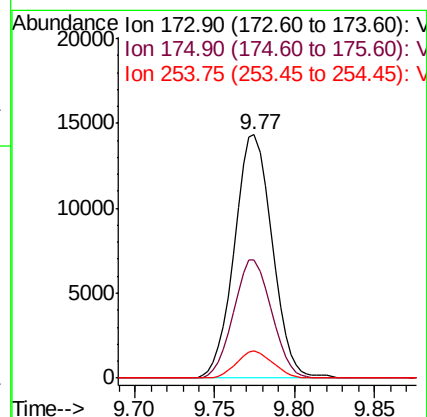
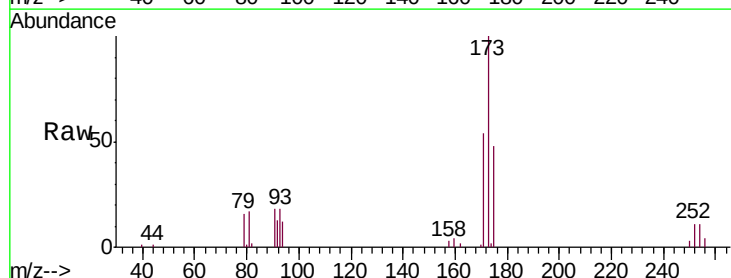
Tgt Ion: 173 Resp: 23099

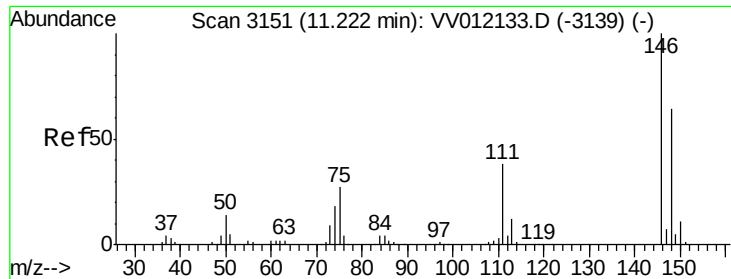
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 10.5 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 5.031 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

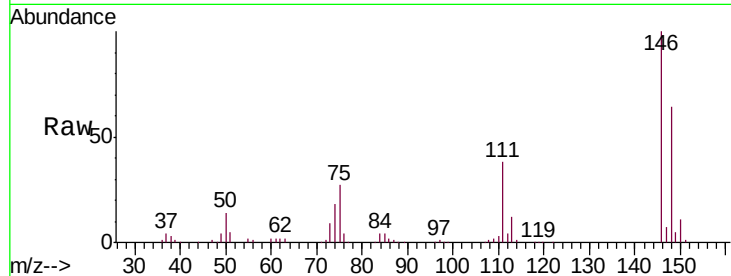
Tgt Ion:146 Resp: 89787

Ion Ratio Lower Upper

146 100

111 38.4 26.9 49.9

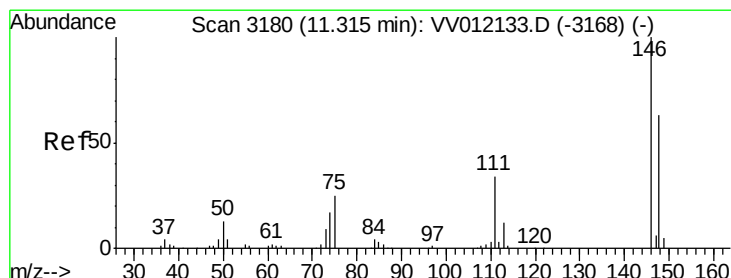
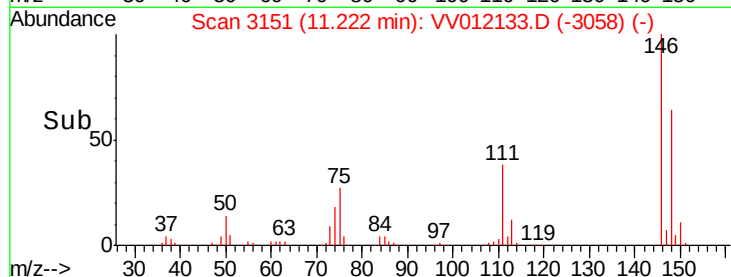
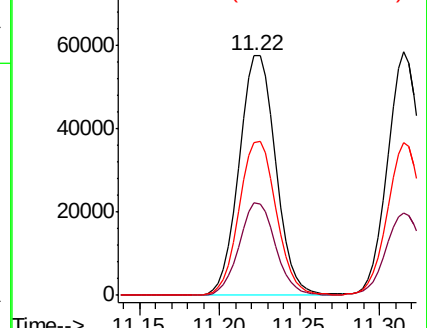
148 63.7 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.924 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

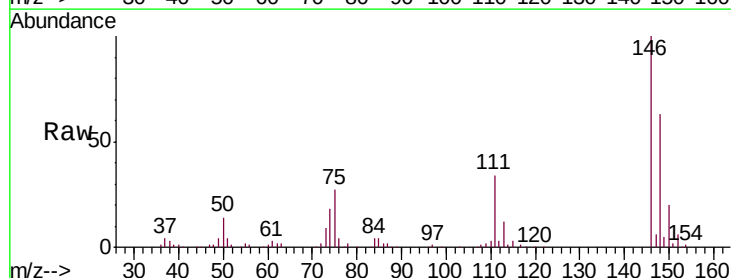
Tgt Ion:146 Resp: 89480

Ion Ratio Lower Upper

146 100

111 33.8 23.7 43.9

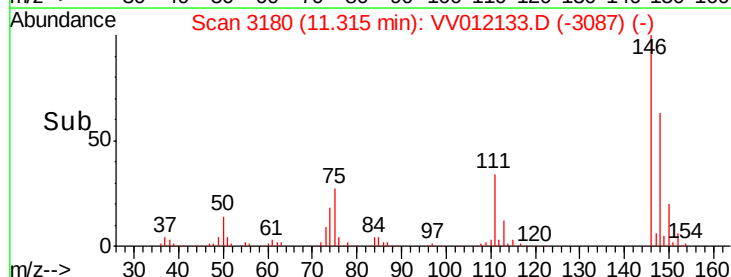
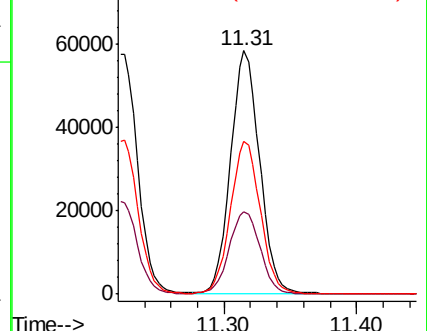
148 62.7 43.9 81.5

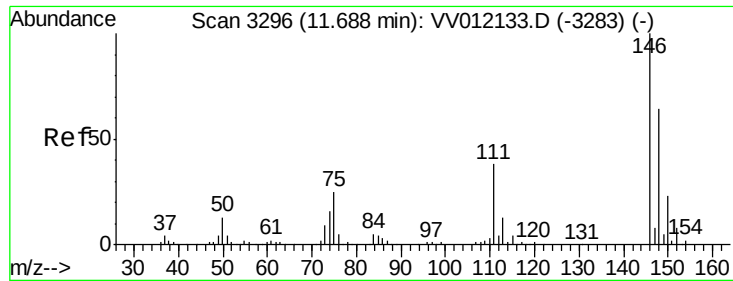


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.156 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampled :

VSTD00536

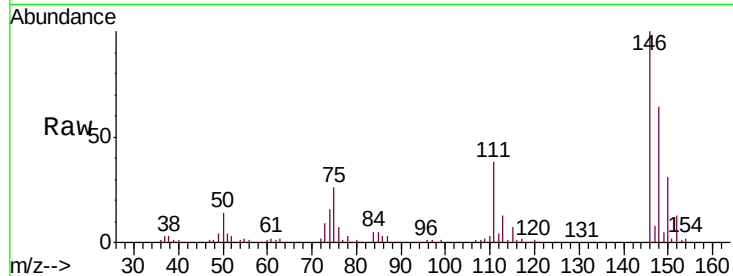
Tgt Ion:146 Resp: 83689

Ion Ratio Lower Upper

146 100

111 38.2 30.6 45.8

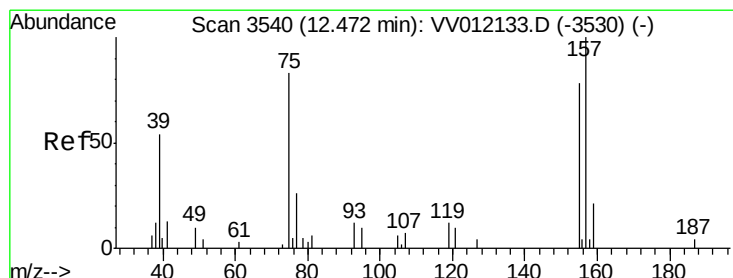
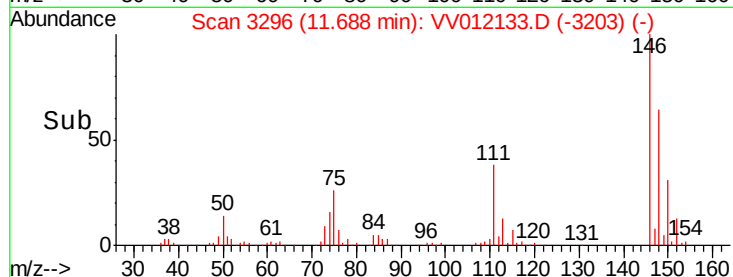
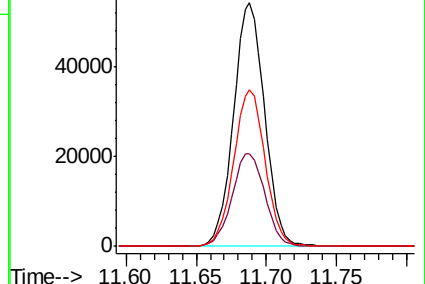
148 64.5 51.6 77.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 6.195 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

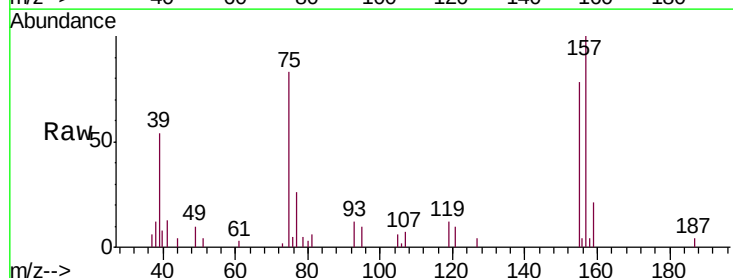
Tgt Ion: 75 Resp: 5557

Ion Ratio Lower Upper

75 100

155 94.0 75.2 112.8

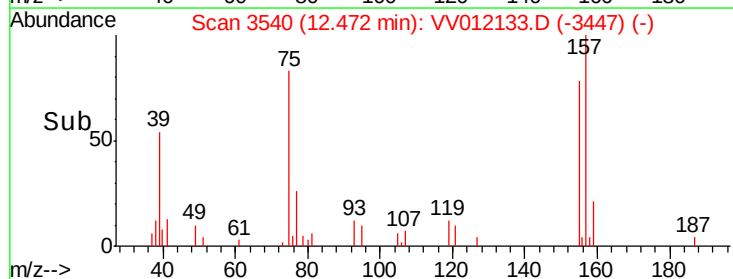
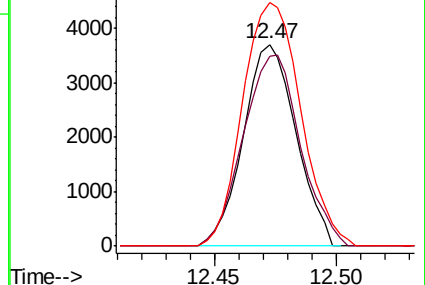
157 120.9 96.7 145.1

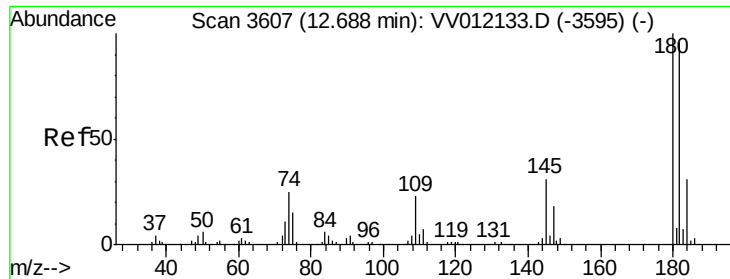


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

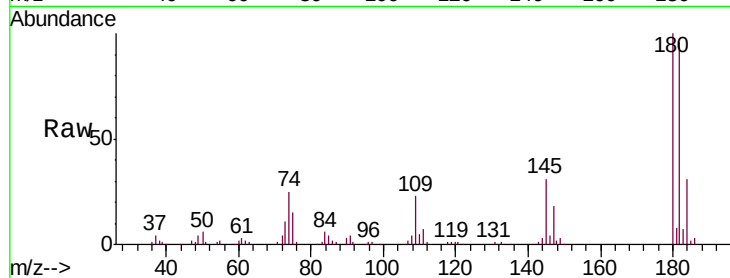




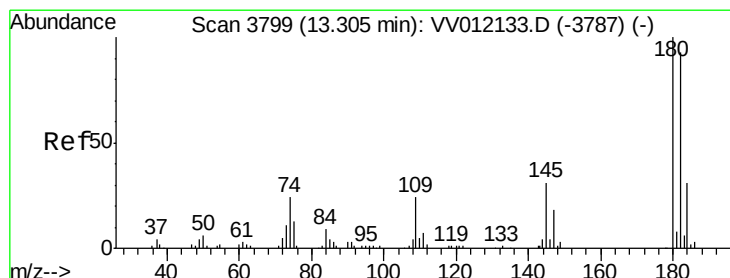
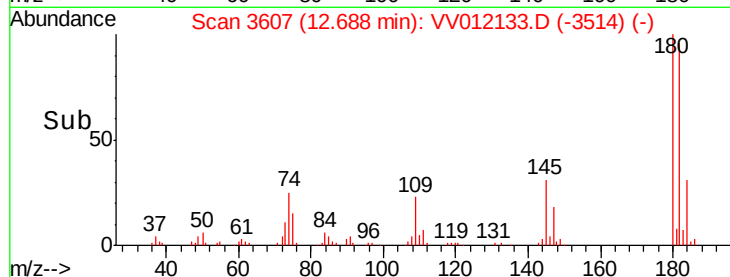
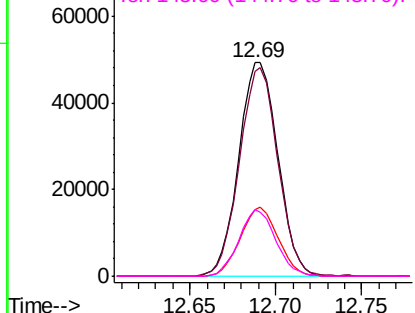
#67
 1,3,5-Trichlorobenzene
 Concen: 5.271 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion:180 Resp: 77796
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 184 31.2 25.0 37.4
 145 29.3 23.4 35.2

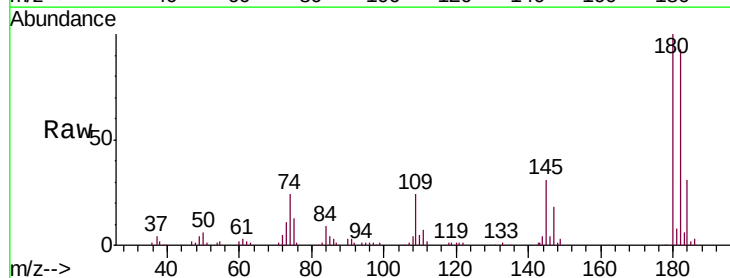


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

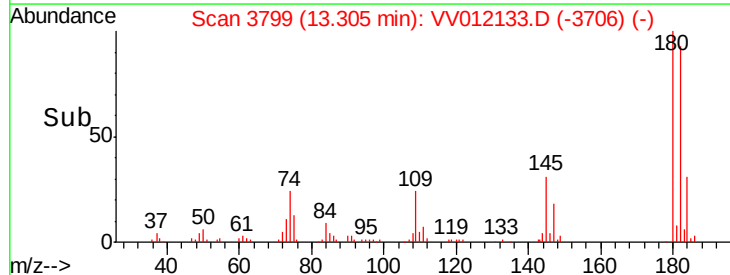
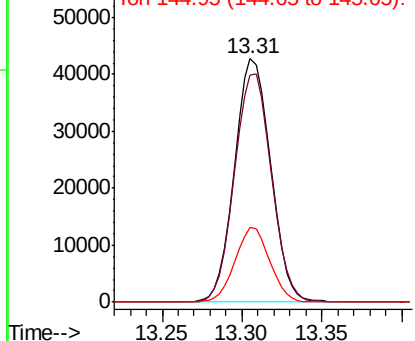


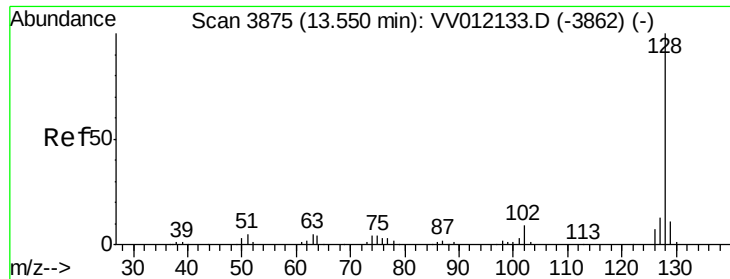
#68
 1,2,4-trichlorobenzene
 Concen: 5.432 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012133.D
 Acq: 08 Aug 2019 19:01

Tgt Ion:180 Resp: 65611
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 145 29.3 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.228 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

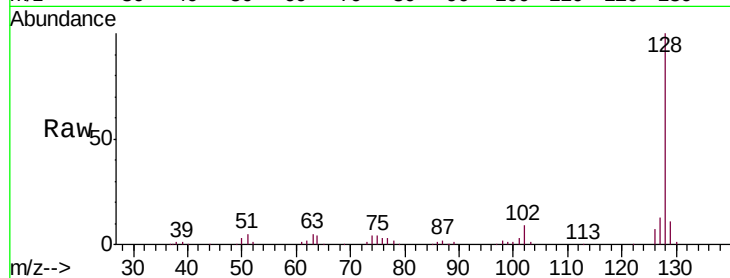
Tgt Ion:128 Resp: 105161

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

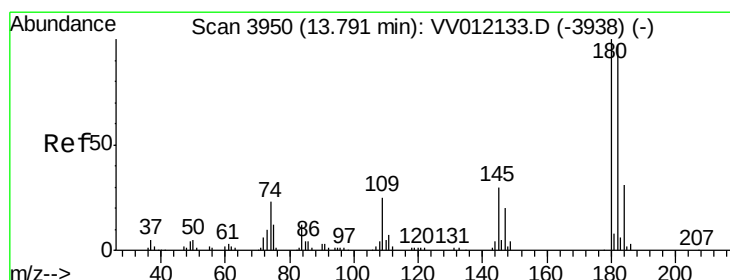
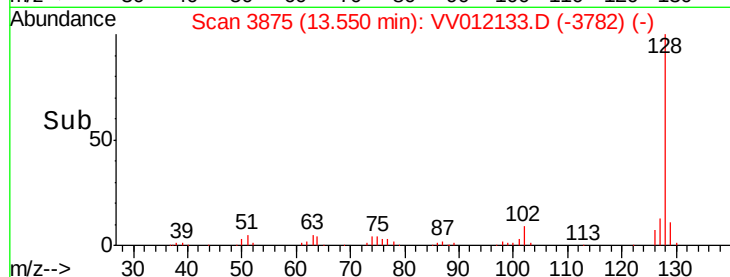
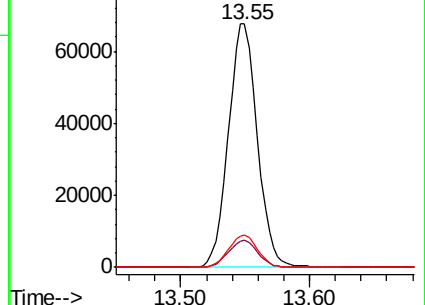
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.628 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012133.D

Acq: 08 Aug 2019 19:01

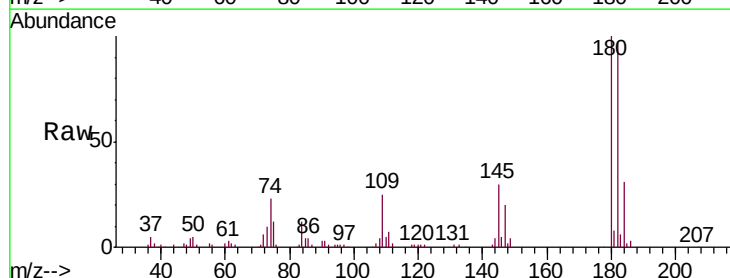
Tgt Ion:180 Resp: 60826

Ion Ratio Lower Upper

180 100

182 97.4 77.9 116.9

145 31.1 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

