

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111519\
 Data File : VV013635.D
 Acq On : 15 Nov 2019 12:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Quant Time: Nov 15 22:57:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 14 06:01:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	450728	5.00	ug/L	-0.04
28) Chlorobenzene-d5	8.89	117	431217	5.00	ug/L	-0.02
60) 1,4-Dichlorobenzene-d4	11.29	152	236173	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122239	4.22	ug/L	-0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.58	69	105811	4.58	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	227259	4.59	ug/L	-0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	3.96	46	303835	58.60	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.20%
24) Chloroform-d	4.39	84	267975	5.39	ug/L	-0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.07	65	128328	5.30	ug/L	-0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.09	84	524888	5.05	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.11	67	159428	4.47	ug/L	-0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.35	98	511167	4.85	ug/L	-0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.66	79	58359	4.40	ug/L	-0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.13	63	243893	46.10	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.20%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	114705	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	196340	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	202399	4.827	ug/L	99
3) Chloromethane	1.25	50	187052	4.941	ug/L	98
5) Vinyl chloride	1.32	62	179698	4.875	ug/L	99
6) Bromomethane	1.53	94	108749	5.348	ug/L	99
8) Chloroethane	1.60	64	106059	5.312	ug/L	99
9) Trichlorofluoromethane	1.77	101	252563	5.087	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	142715	5.062	ug/L	98
12) 1,1-Dichloroethene	2.14	96	131856	5.033	ug/L	84
13) Acetone	2.23	43	212937	63.516	ug/L #	60
14) Carbon disulfide	2.31	76	420232	5.547	ug/L	99
15) Methyl Acetate	2.47	43	58766	6.088	ug/L	94
16) Methylene chloride	2.53	84	166552	5.849	ug/L	92
17) Methyl tert-butyl Ether	2.80	73	350296	5.712	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	161207	5.748	ug/L	96
19) 1,1-Dichloroethane	3.22	63	302100	6.022	ug/L	98
21) 2-Butanone	4.04	43	375591	60.524	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	173076	5.624	ug/L #	94

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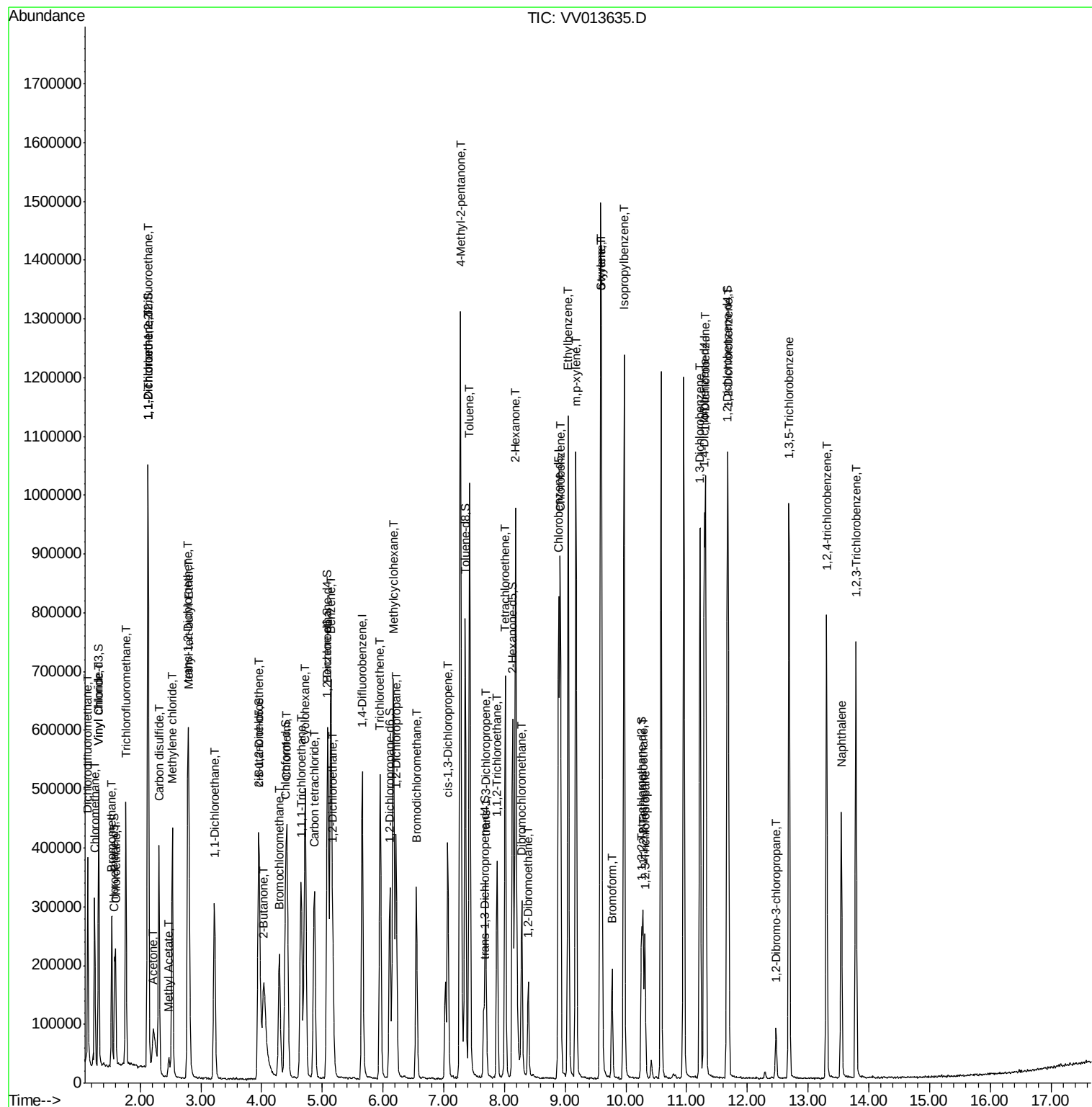
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	77405	5.670	ug/L	92
25) Chloroform	4.42	83	335011	5.336	ug/L	98
27) 1,2-Dichloroethane	5.17	62	179277	5.192	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	265529	5.708	ug/L	98
30) Cyclohexane	4.72	56	262697	5.685	ug/L	92
31) Carbon tetrachloride	4.87	117	242428	5.809	ug/L	99
33) Benzene	5.14	78	673706	5.348	ug/L	100
34) Trichloroethene	5.95	95	175439	4.961	ug/L	98
35) Methylcyclohexane	6.17	83	269717	5.249	ug/L	98
37) 1,2-Dichloropropane	6.22	63	163851	5.037	ug/L #	97
38) Bromodichloromethane	6.55	83	215169	4.835	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	235914	5.244	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	979169	53.821	ug/L	99
42) Toluene	7.42	91	725680	5.304	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	181297	5.267	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	114091	4.892	ug/L	97
47) Tetrachloroethene	8.01	164	163927	5.096	ug/L	98
48) 2-Hexanone	8.18	43	699808	54.674	ug/L	99
49) Dibromochloromethane	8.29	129	147362	5.030	ug/L	97
50) 1,2-Dibromoethane	8.39	107	107405	5.041	ug/L	95
51) Chlorobenzene	8.92	112	467157	5.210	ug/L	99
52) Ethylbenzene	9.05	91	779703	5.438	ug/L	99
53) m,p-xylene	9.18	106	301922	5.528	ug/L	98
54) o-xylene	9.58	106	288959	5.662	ug/L	97
55) Styrene	9.60	104	504240	5.669	ug/L	98
56) Isopropylbenzene	9.97	105	786723	5.743	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	130680	5.105	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	98117	4.951	ug/L	99
61) Bromoform	9.77	173	87548	4.937	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	398385	5.226	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	393846	5.047	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	360458	5.115	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	20868	4.840	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	325598	5.267	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	254564	5.326	ug/L	98
69) Naphthalene	13.55	128	350644	5.810	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	241567	5.436	ug/L	97

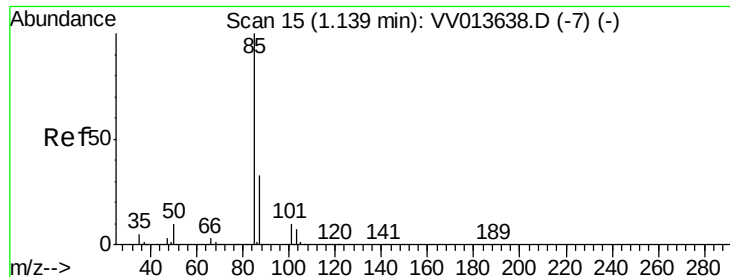
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.827 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.02 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

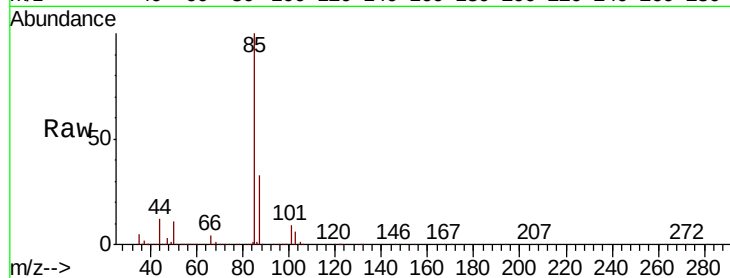
VSTDCCC005

Tot Ion: 85 Resp: 202399

Ion Ratio Lower Upper

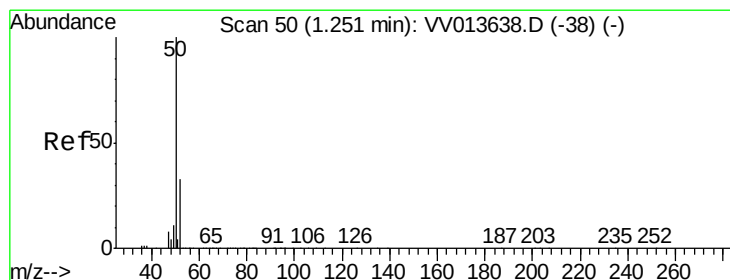
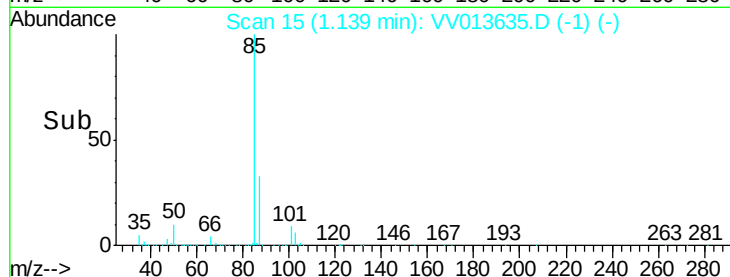
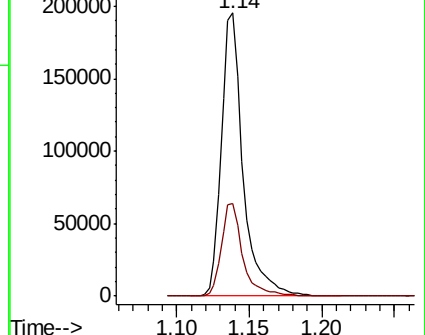
85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.941 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.03 min

Lab File: VV013635.D

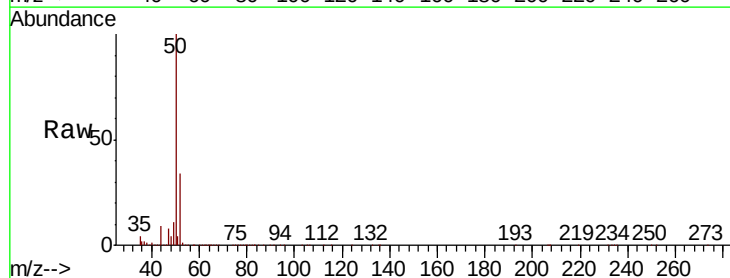
Acq: 15 Nov 2019 12:06

Tgt Ion: 50 Resp: 187052

Ion Ratio Lower Upper

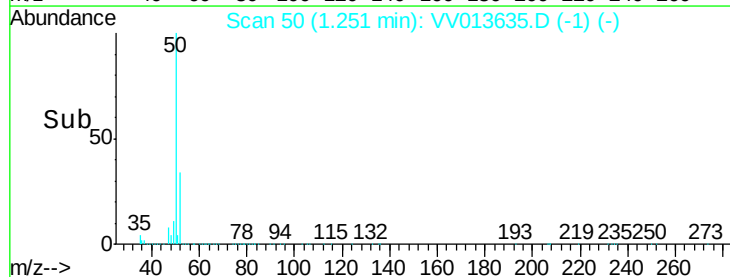
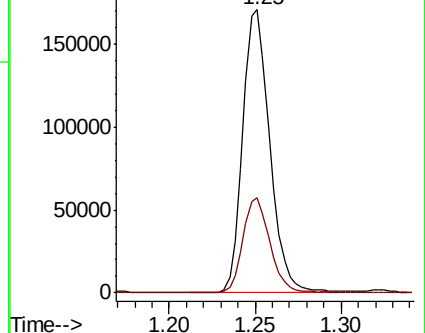
50 100

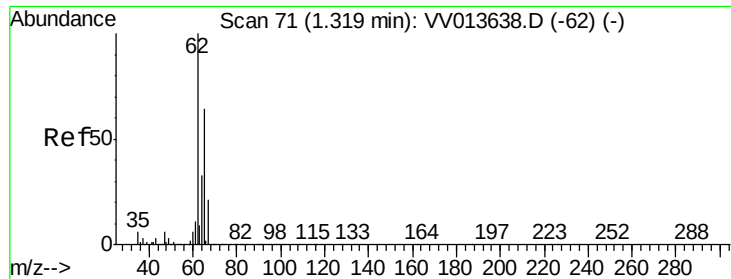
52 33.8 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.875 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.03 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

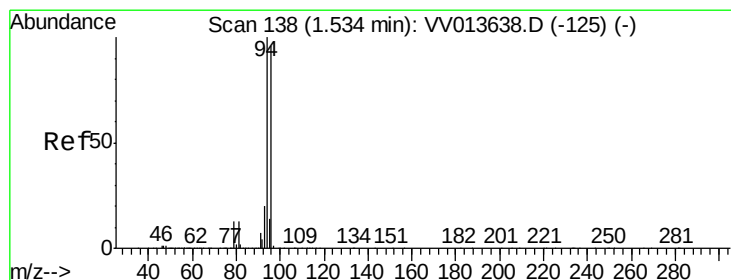
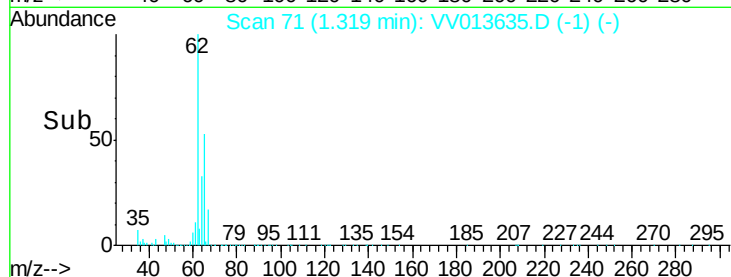
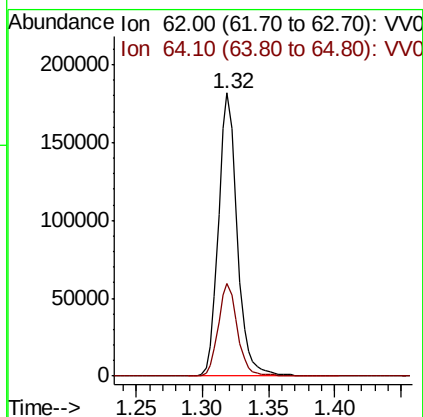
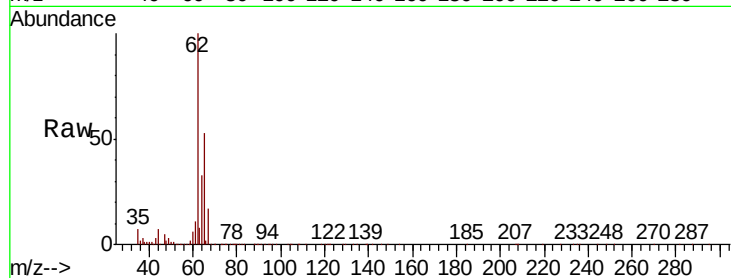
VSTDCCC005

Tot Ion: 62 Resp: 179698

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.8



#6

Bromomethane

Concen: 5.348 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.03 min

Lab File: VV013635.D

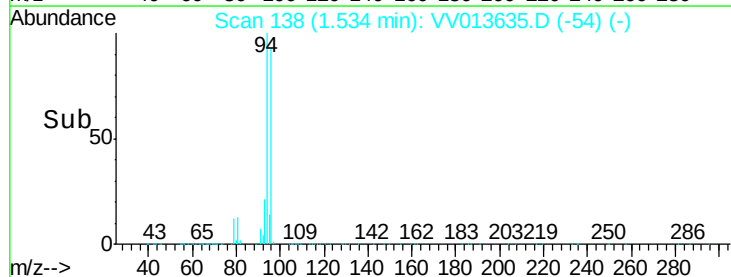
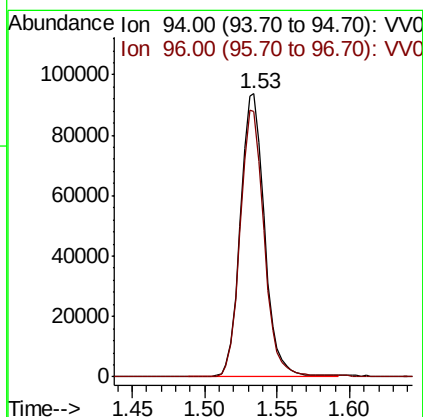
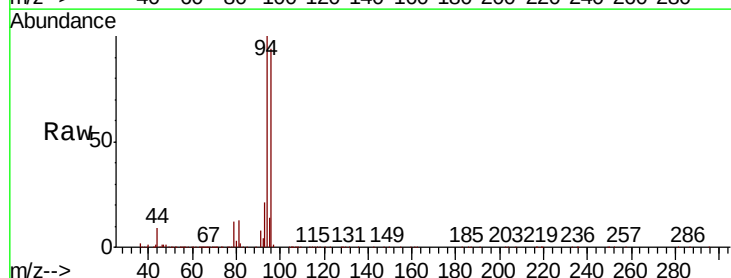
Acq: 15 Nov 2019 12:06

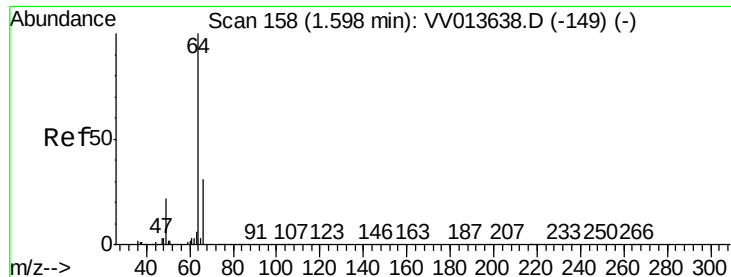
Tgt Ion: 94 Resp: 108749

Ion Ratio Lower Upper

94 100

96 93.7 65.1 120.9





#8

Chloroethane

Concen: 5.312 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.03 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

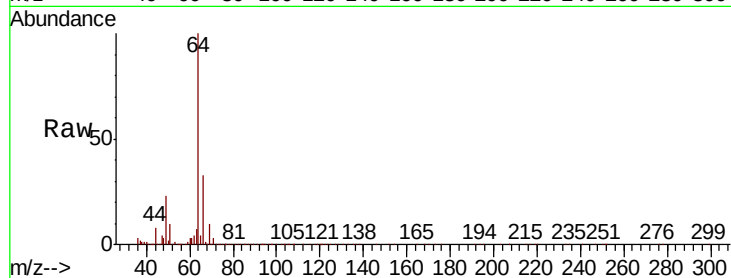
VSTDCCC005

Tot Ion: 64 Resp: 106059

Ion Ratio Lower Upper

64 100

66 33.2 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

100000

80000

60000

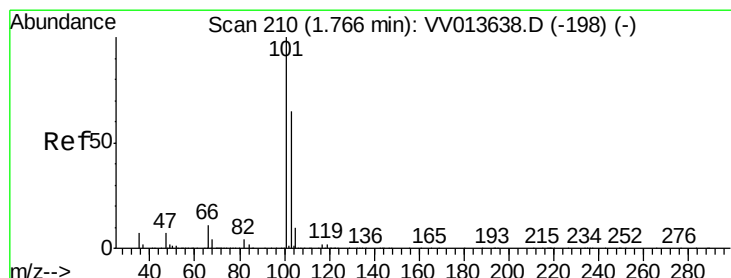
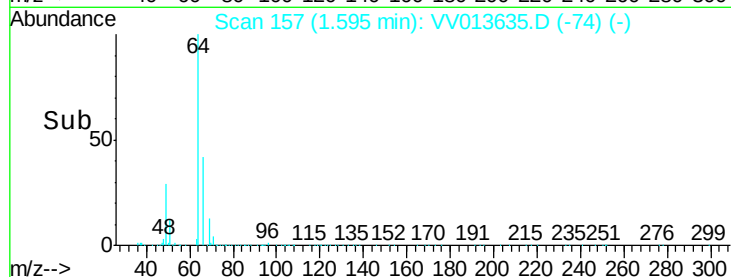
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.087 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.03 min

Lab File: VV013635.D

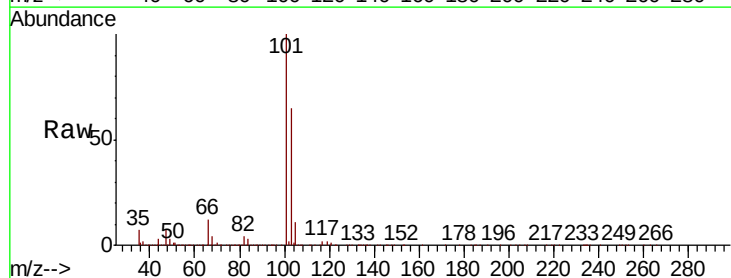
Acq: 15 Nov 2019 12:06

Tgt Ion: 101 Resp: 252563

Ion Ratio Lower Upper

101 100

103 64.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

200000

150000

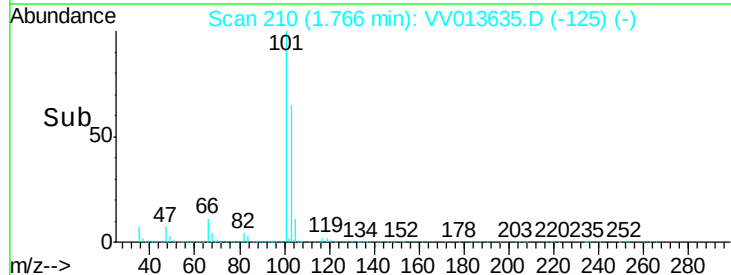
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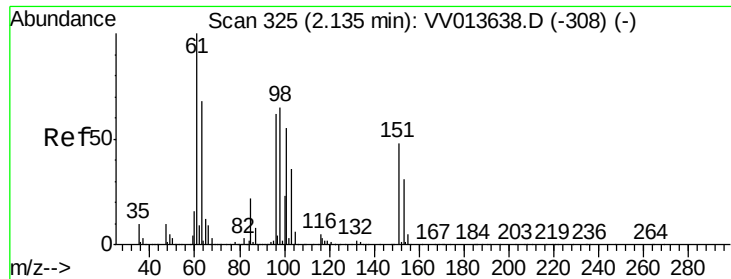
50000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 5.062 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.03 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

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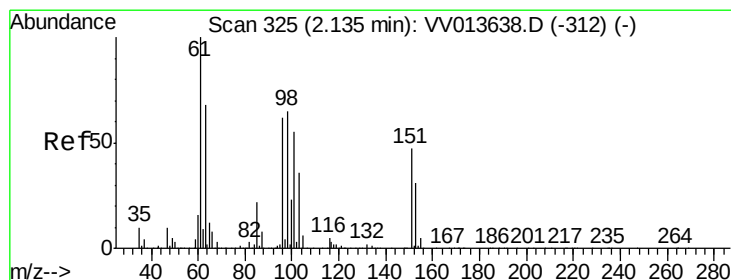
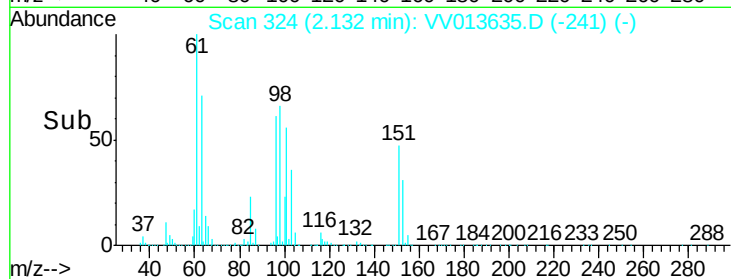
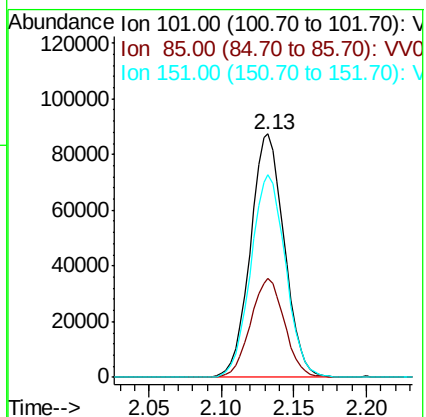
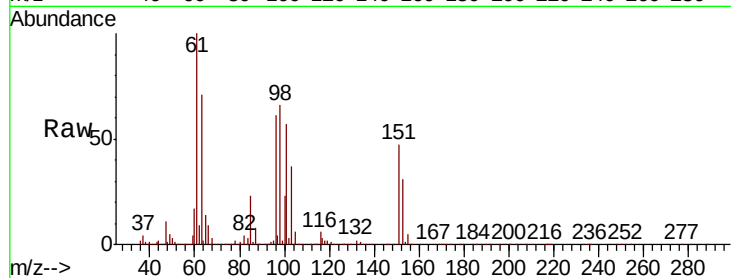
Tot Ion:101 Resp: 142715

Ion Ratio Lower Upper

101 100

85 40.1 33.1 49.7

151 85.3 69.5 104.3



#12

1,1-Dichloroethene

Concen: 5.033 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.03 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

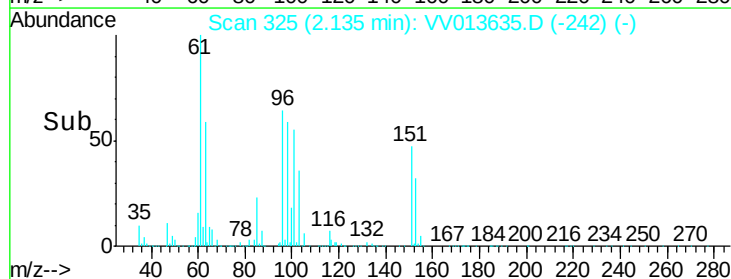
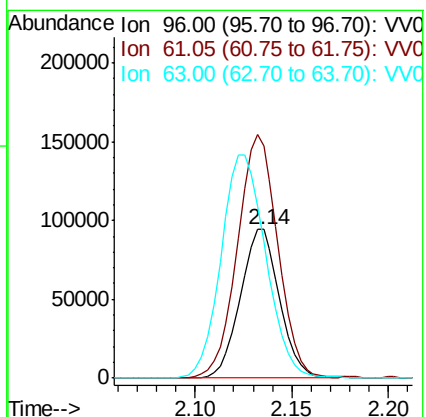
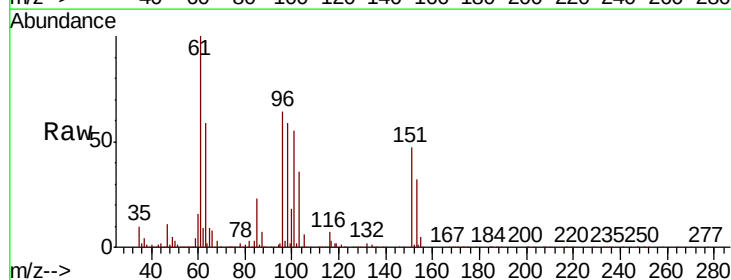
Tgt Ion: 96 Resp: 131856

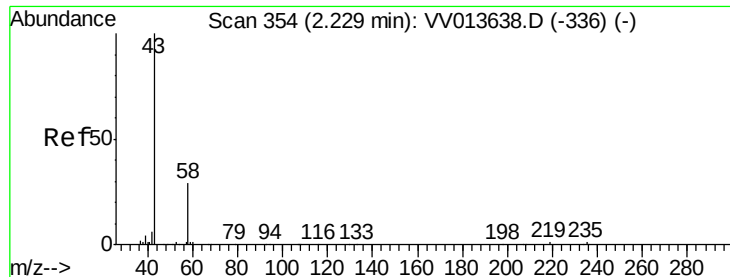
Ion Ratio Lower Upper

96 100

61 156.5 115.6 214.6

63 92.0 87.2 162.0





#13

Acetone

Concen: 63.516 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.06 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

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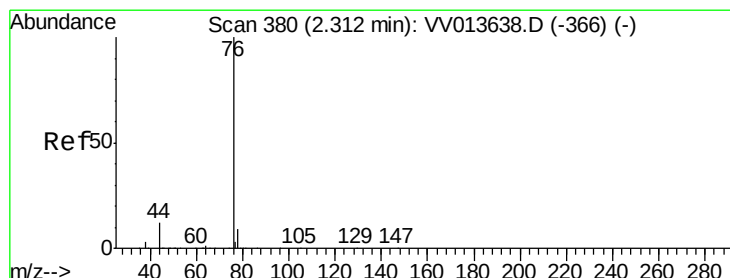
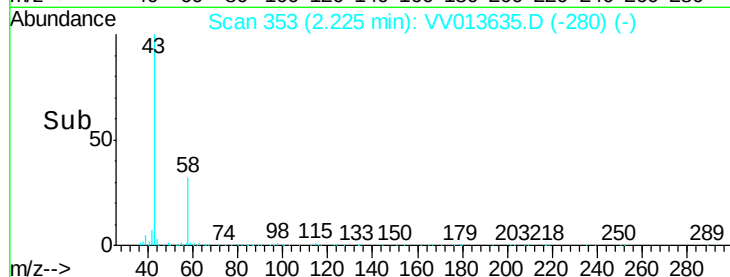
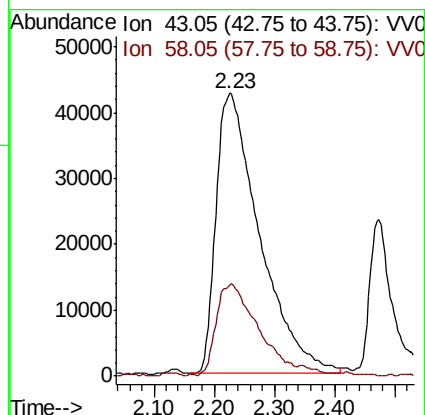
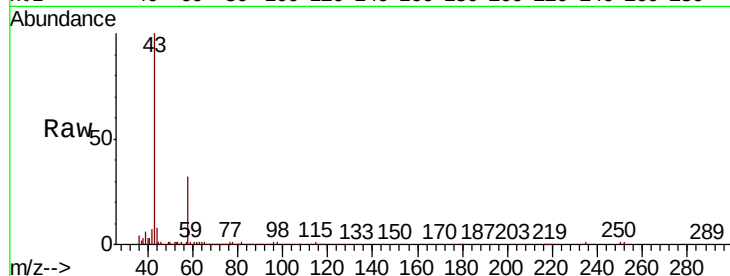
VSTDCCC005

Tot Ion: 43 Resp: 212937

Ion Ratio Lower Upper

43 100

58 30.8 0.0 28.8#



#14

Carbon disulfide

Concen: 5.547 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.04 min

Lab File: VV013635.D

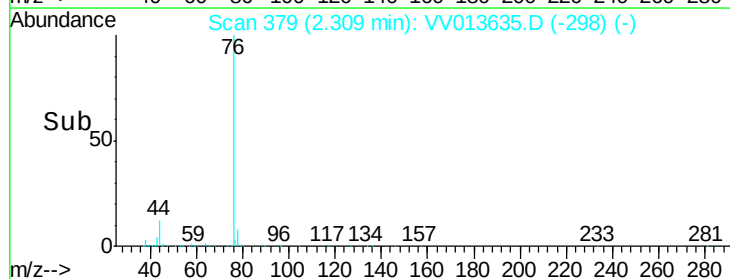
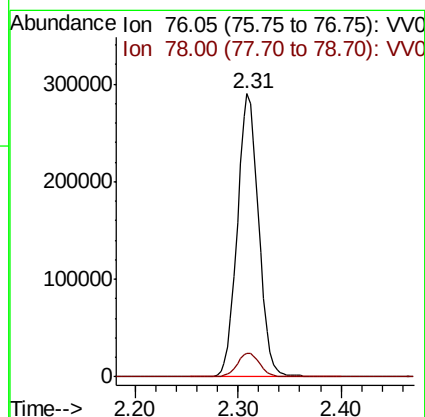
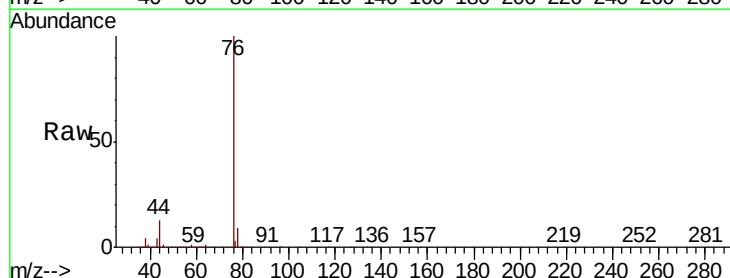
Acq: 15 Nov 2019 12:06

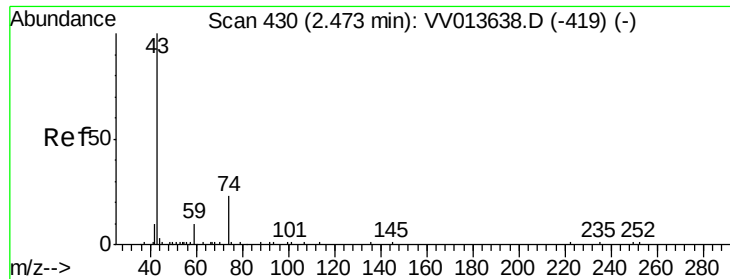
Tgt Ion: 76 Resp: 420232

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6

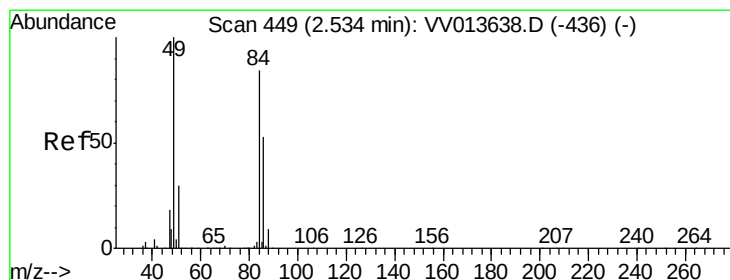
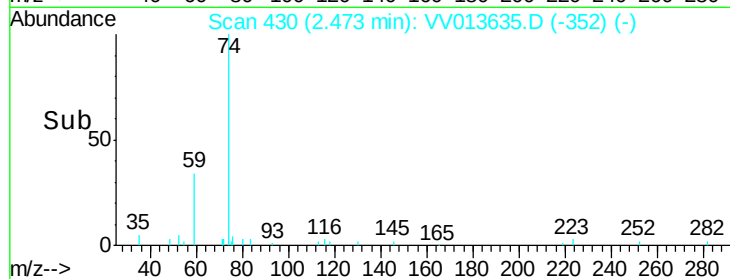
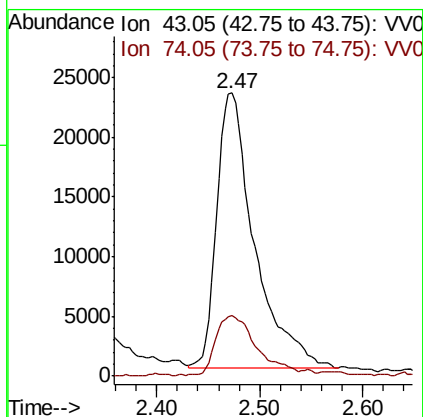
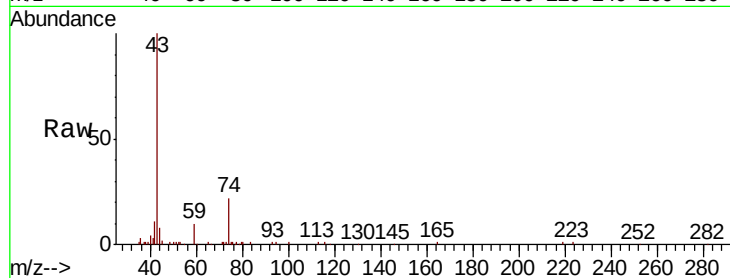




#15
Methvl Acetate
Concen: 6.088 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.05 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

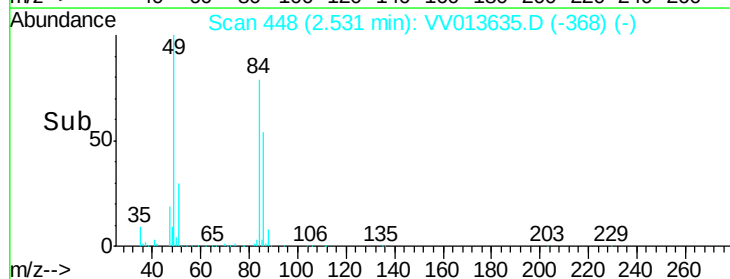
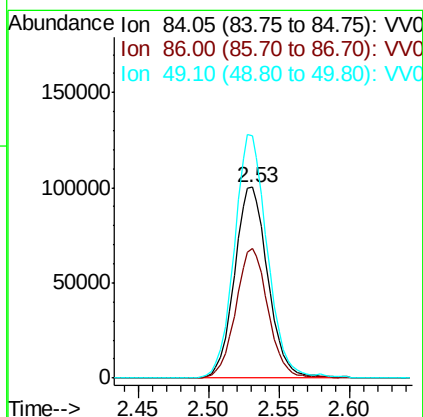
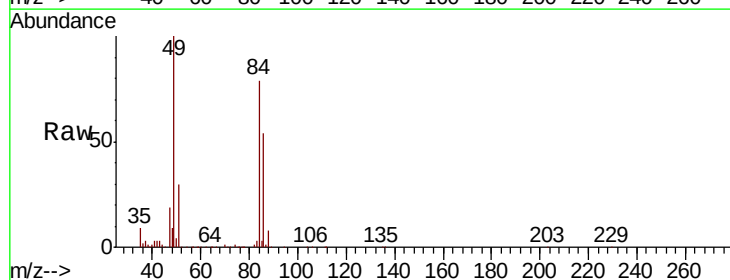
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

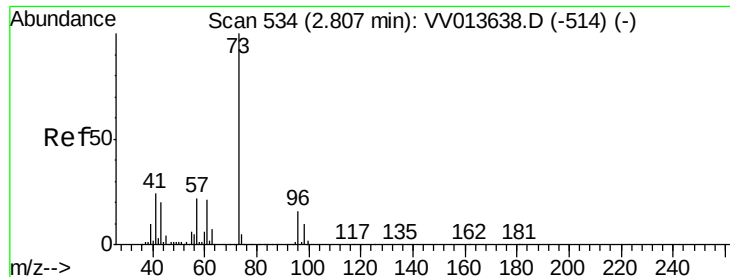
Tot Ion: 43 Resp: 58766
Ion Ratio Lower Upper
43 100
74 24.1 21.9 32.9



#16
Methylene chloride
Concen: 5.849 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.04 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Tgt Ion: 84 Resp: 166552
Ion Ratio Lower Upper
84 100
86 68.2 45.1 83.9
49 127.1 81.4 151.2

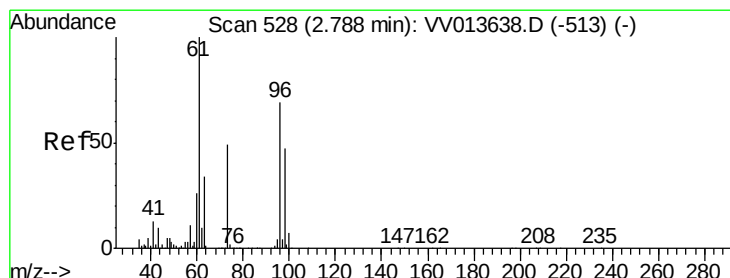
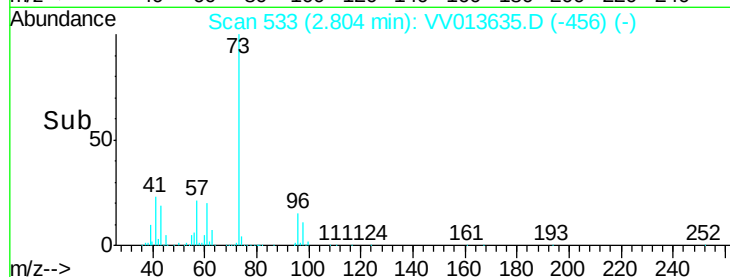
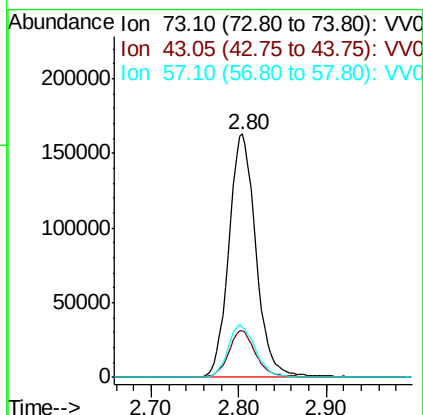
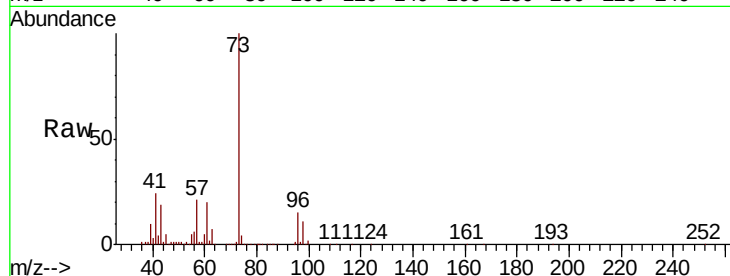




#17
Methyl tert-butyl Ether
Concen: 5.712 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.05 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

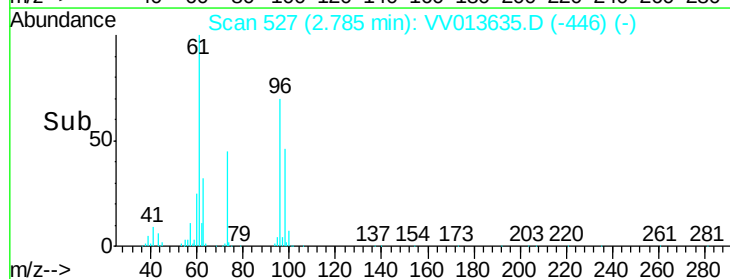
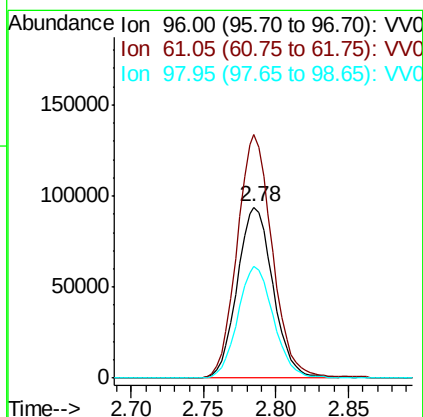
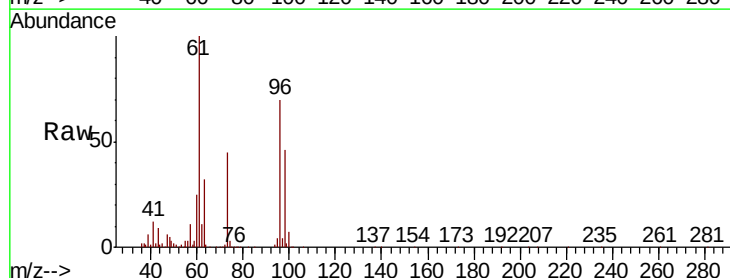
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

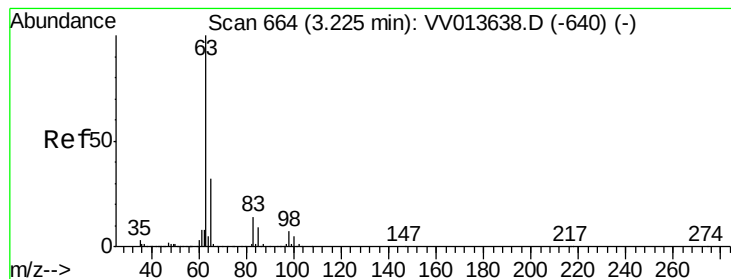
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.8	14.8	22.2
57	21.6	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 5.748 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.04 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.2	95.2	176.8
98	64.9	46.1	85.7





#19

1,1-Dichloroethane

Concen: 6.022 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.04 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

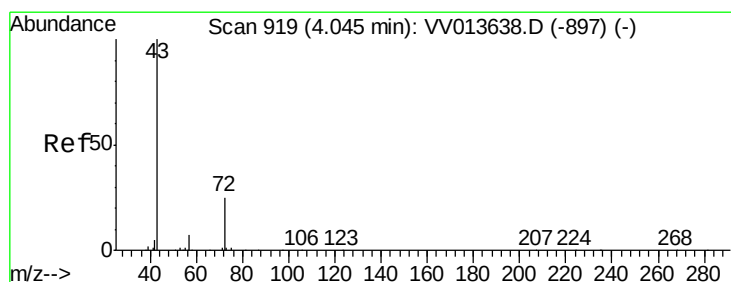
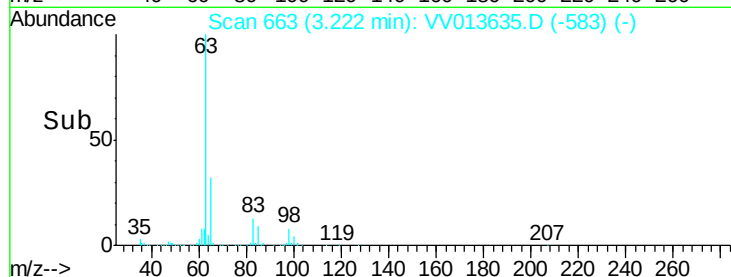
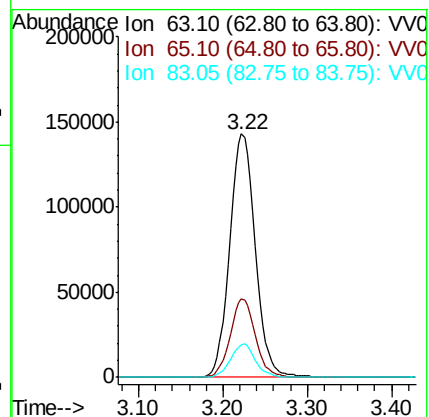
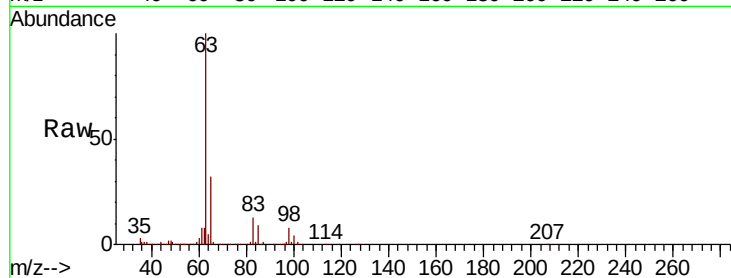
Tot Ion: 63 Resp: 302100

Ion Ratio Lower Upper

63 100

65 32.4 23.4 43.4

83 13.4 9.9 18.3



#21

2-Butanone

Concen: 60.524 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.08 min

Lab File: VV013635.D

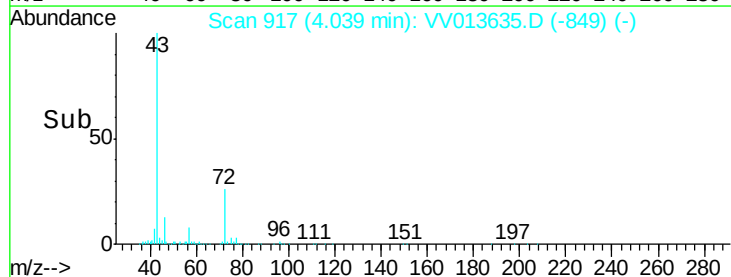
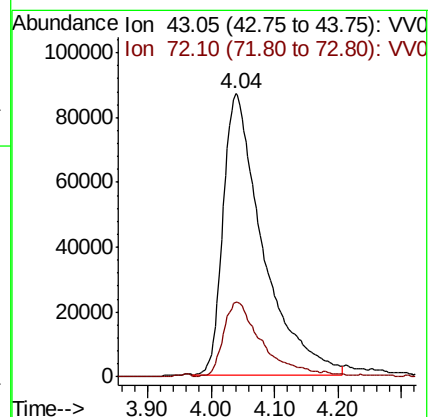
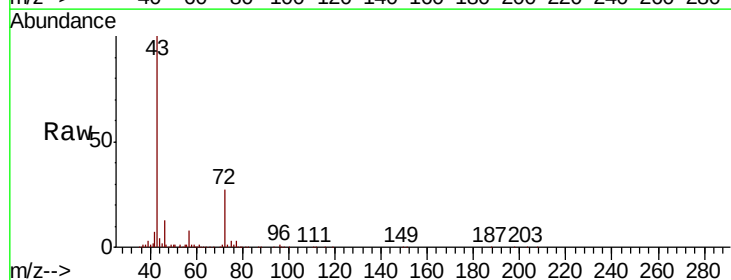
Acq: 15 Nov 2019 12:06

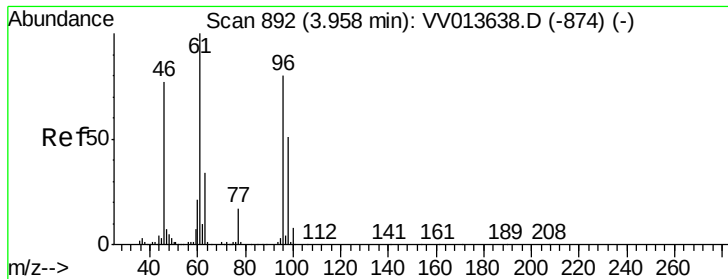
Tgt Ion: 43 Resp: 375591

Ion Ratio Lower Upper

43 100

72 25.2 12.3 36.9



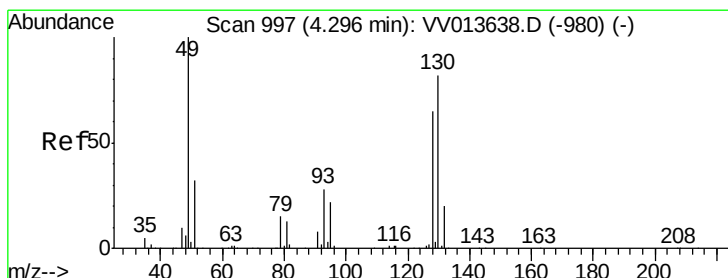
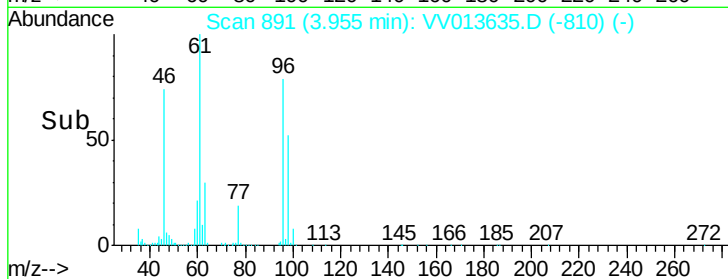
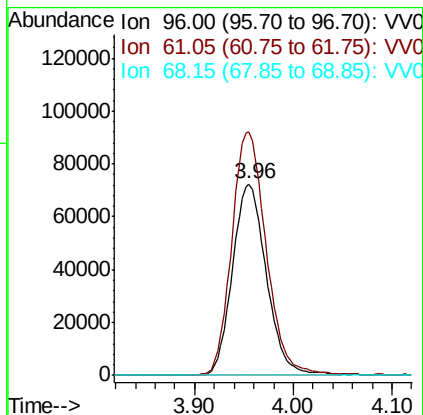
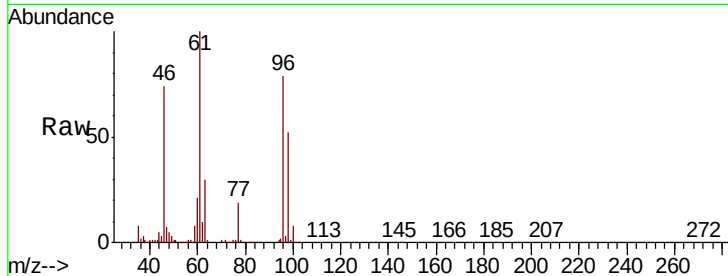


#22

cis-1,2-Dichloroethene
 Concen: 5.624 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.04 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

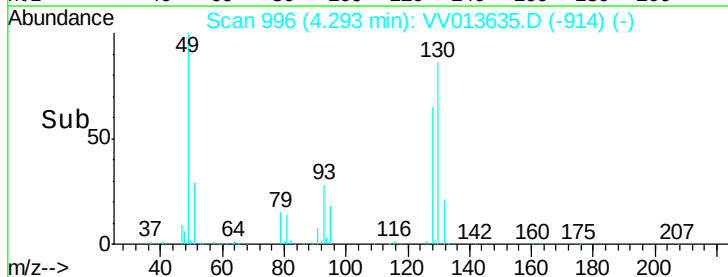
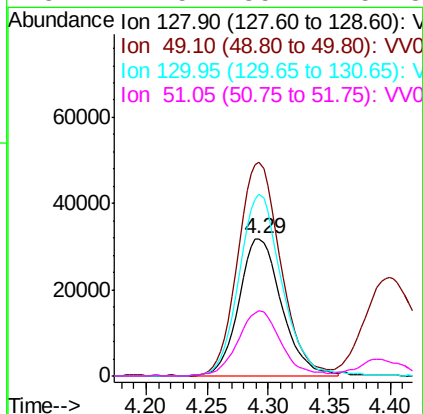
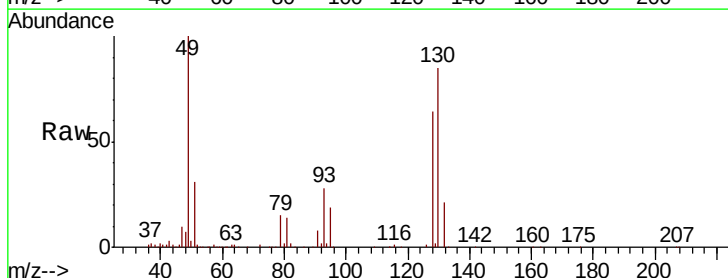
Tot Ion: 96 Resp: 173076
 Ion Ratio Lower Upper
 96 100
 61 127.3 84.7 157.3
 68 0.0 0.3 0.7#

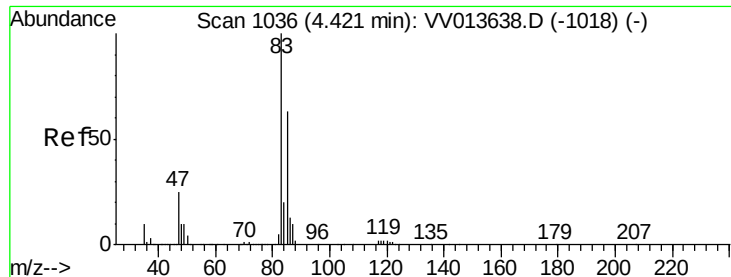


#23

Bromochloromethane
 Concen: 5.670 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.04 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Tgt Ion: 128 Resp: 77405
 Ion Ratio Lower Upper
 128 100
 49 155.3 98.4 182.8
 130 131.9 88.4 164.2
 51 47.5 35.2 52.8

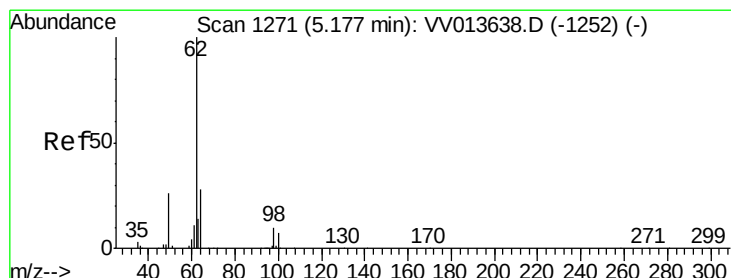
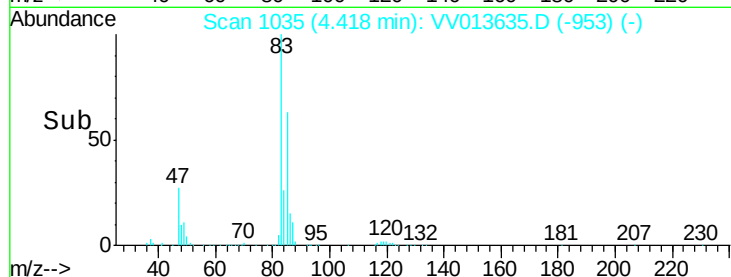
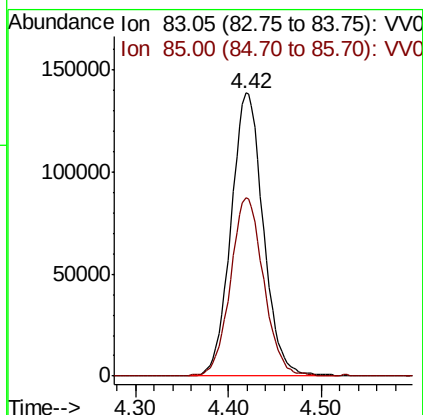
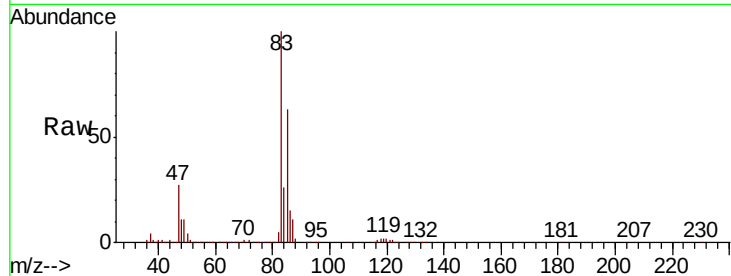




#25
Chloroform
Concen: 5.336 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.04 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

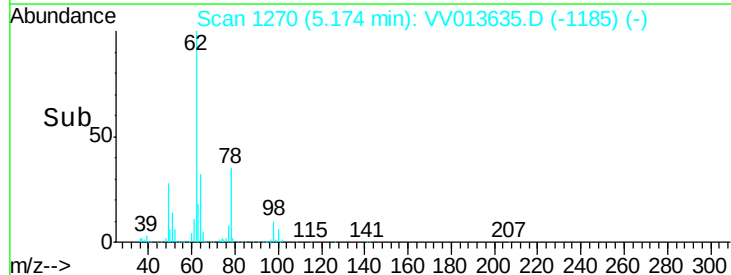
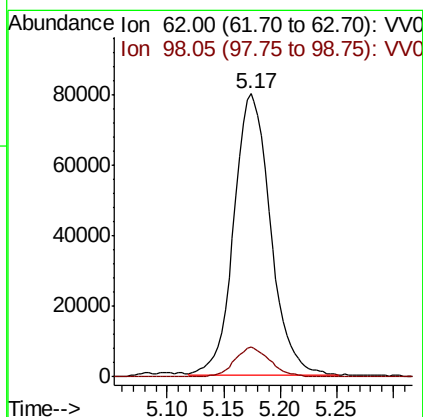
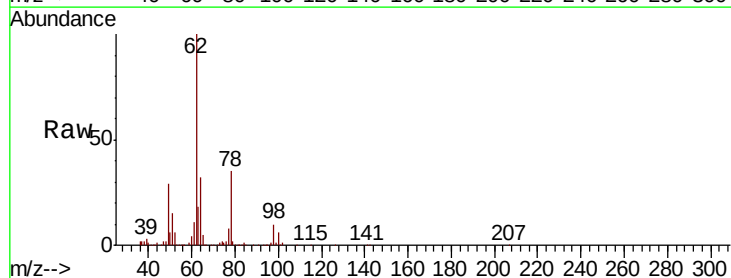
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

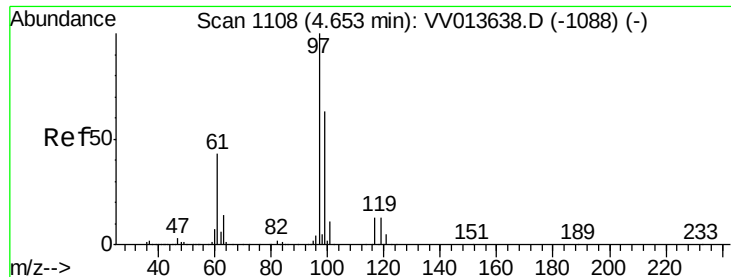
Tot Ion: 83 Resp: 335011
Ion Ratio Lower Upper
83 100
85 63.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.192 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Tgt Ion: 62 Resp: 179277
Ion Ratio Lower Upper
62 100
98 10.4 7.4 11.2

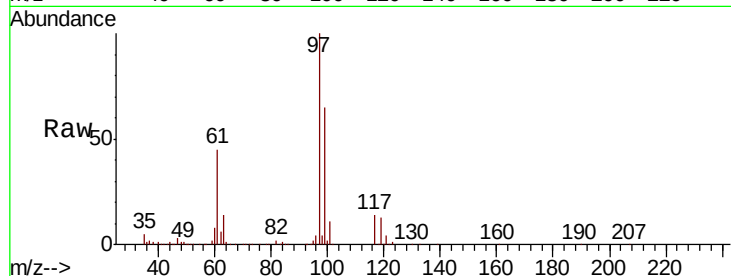




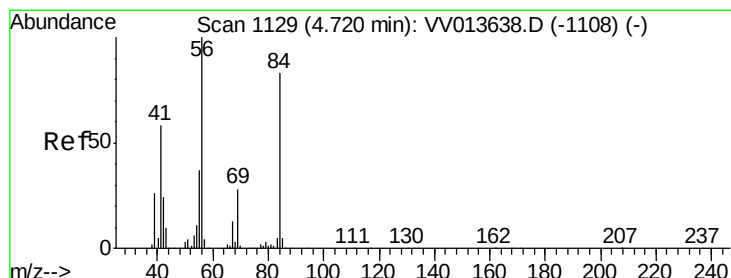
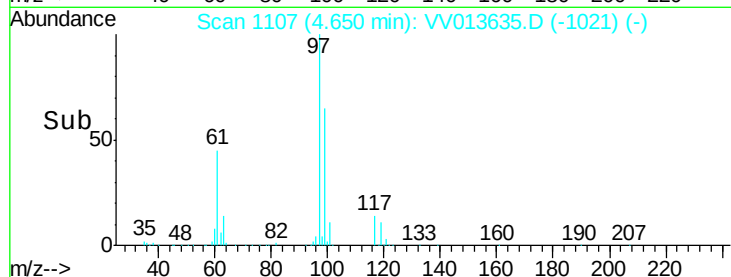
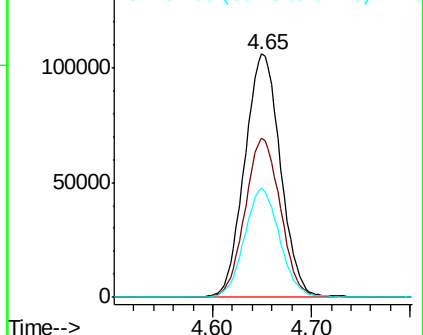
#29
1,1,1-Trichloroethane
Concen: 5.708 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

Tot Ion: 97 Resp: 265529
Ion Ratio Lower Upper
97 100
99 64.5 52.6 78.8
61 44.2 34.1 51.1

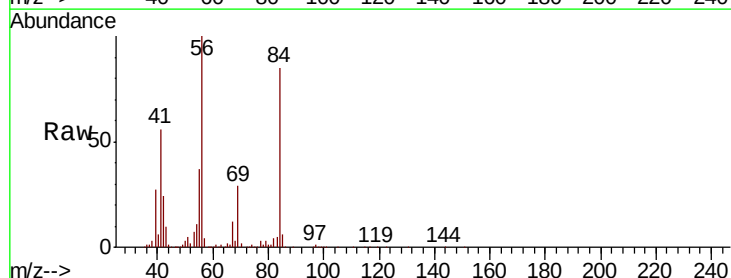


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

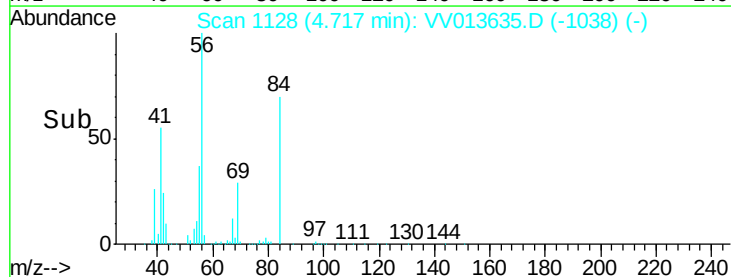
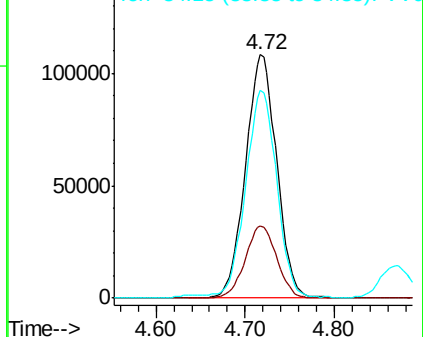


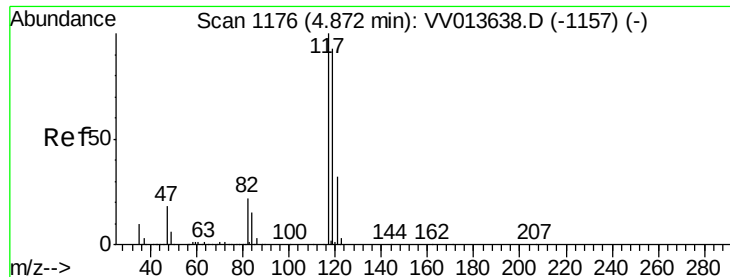
#30
Cyclohexane
Concen: 5.685 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Tgt Ion: 56 Resp: 262697
Ion Ratio Lower Upper
56 100
69 29.8 25.0 37.4
84 84.8 75.5 113.3



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: 5.809 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

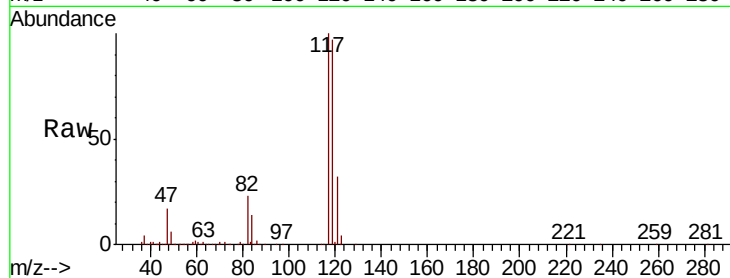
VSTDCCC005

Tot Ion:117 Resp: 242428

Ion Ratio Lower Upper

117 100

119 95.3 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

120000

100000

80000

60000

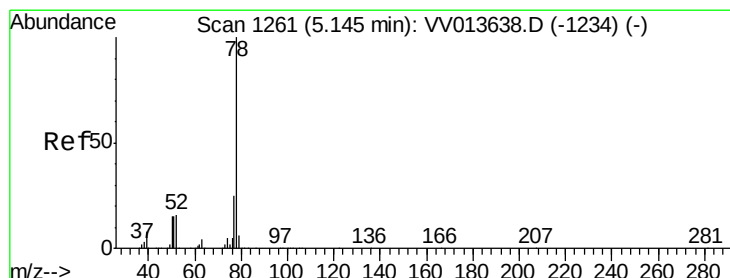
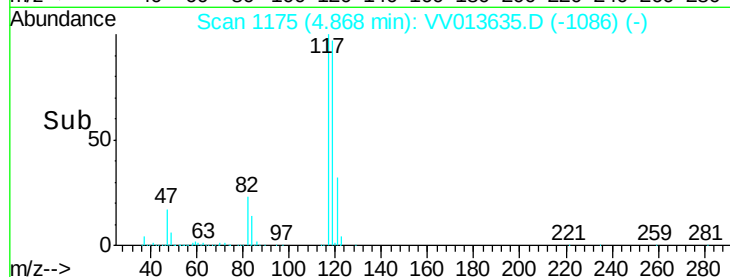
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.348 ug/L

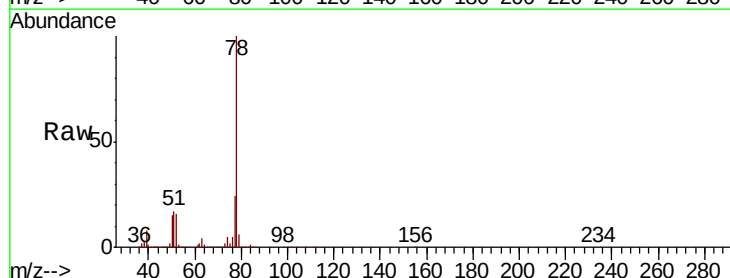
RT: 5.14 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Tgt Ion: 78 Resp: 673706



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

300000

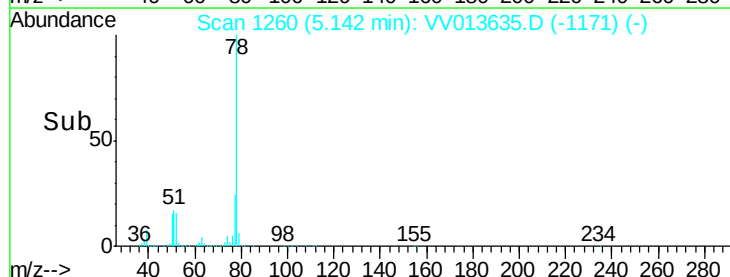
200000

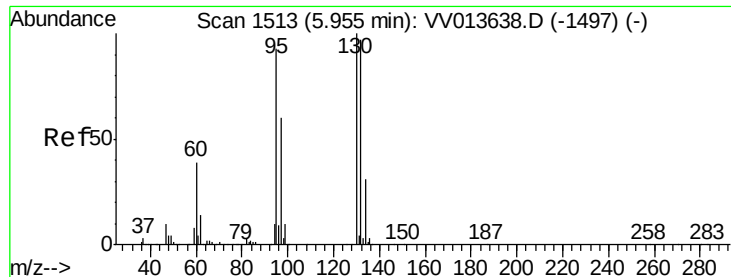
100000

0

Time-->

5.00 5.10 5.20 5.30

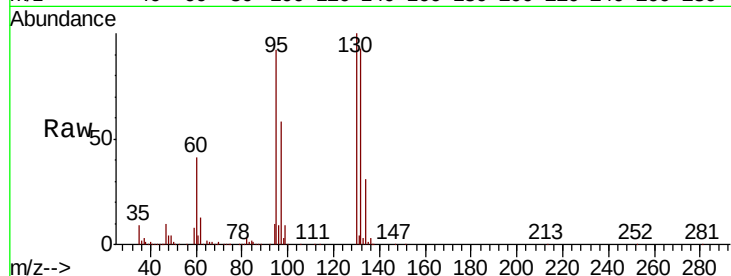




#34
 Trichloroethene
 Concen: 4.961 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.05 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion	95	Resp	175439
Ion Ratio	Lower	Upper	
95	100		
97	63.5	47.0	87.4
132	101.7	72.2	134.0
130	109.2	75.7	140.7

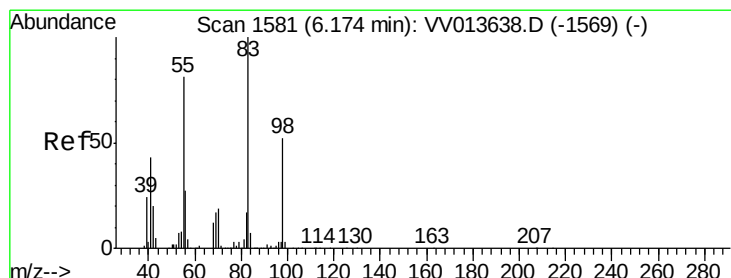
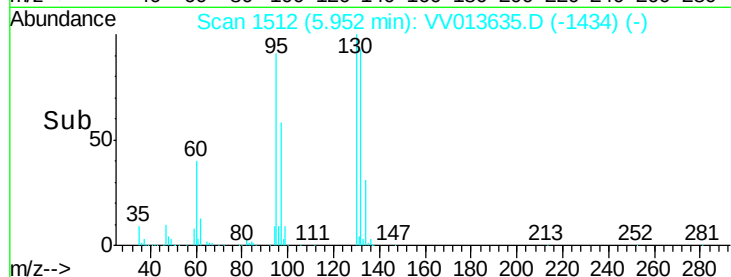
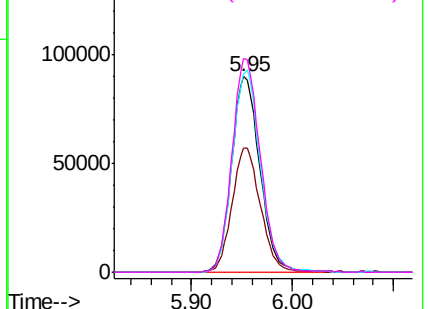


Abundance Ion 95.00 (94.70 to 95.70): VV013635.D (-1434) (-)

Ion 96.95 (96.65 to 97.65): VV013635.D (-1434) (-)

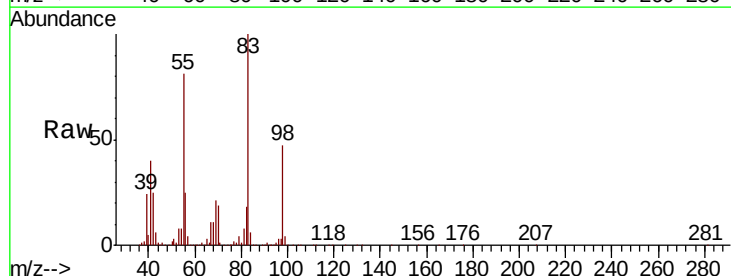
Ion 131.95 (131.65 to 132.65): VV013635.D (-1434) (-)

Ion 129.95 (129.65 to 130.65): VV013635.D (-1434) (-)



#35
 Methylcyclohexane
 Concen: 5.249 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.05 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

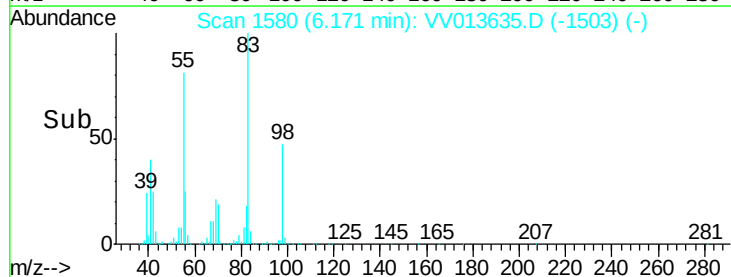
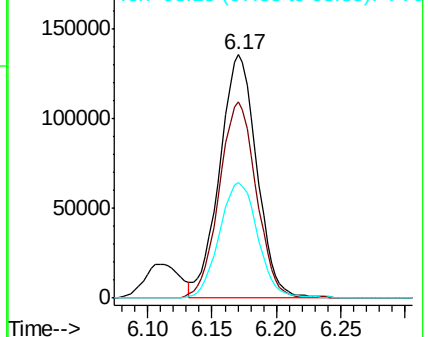
Tgt Ion	83	Resp	269717
Ion Ratio	Lower	Upper	
83	100		
55	80.6	67.0	100.4
98	48.7	38.5	57.7

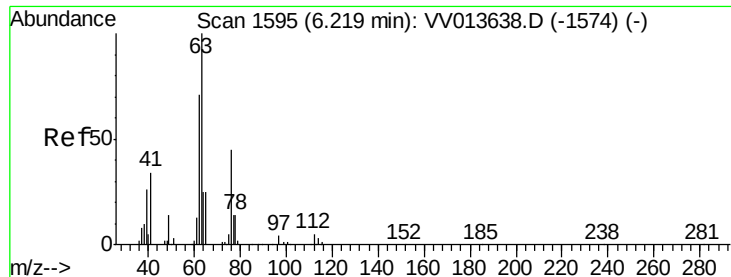


Abundance Ion 83.15 (82.85 to 83.85): VV013635.D (-1503) (-)

Ion 55.10 (54.80 to 55.80): VV013635.D (-1503) (-)

Ion 98.15 (97.85 to 98.85): VV013635.D (-1503) (-)

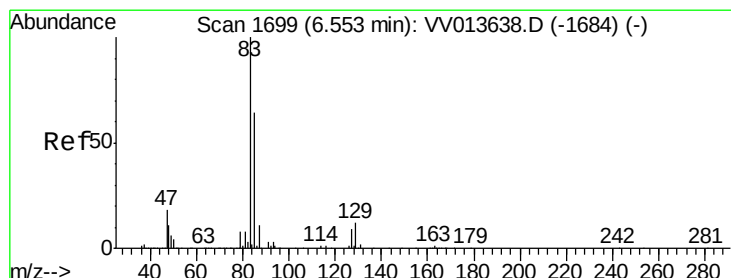
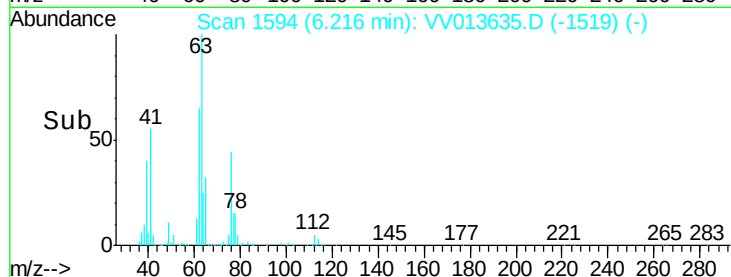
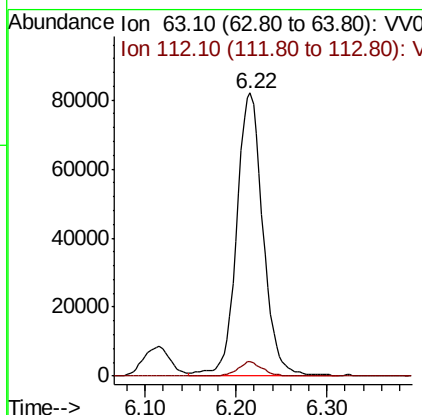
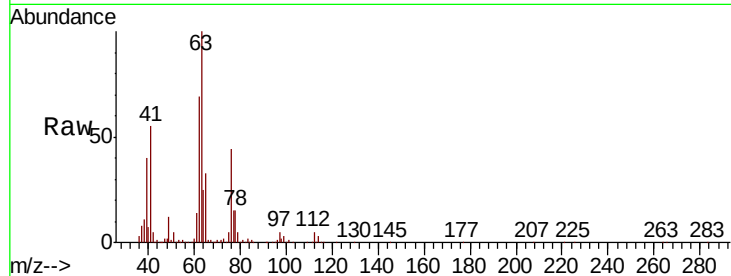




#37
 1,2-Dichloropropane
 Concen: 5.037 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.06 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

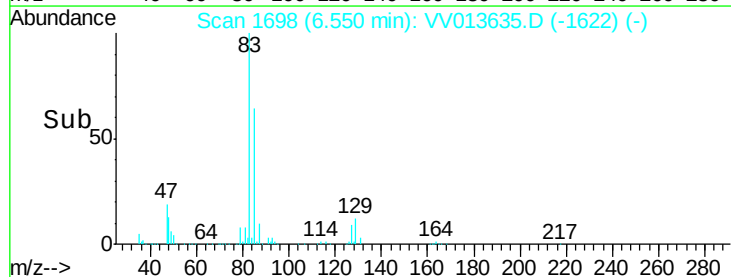
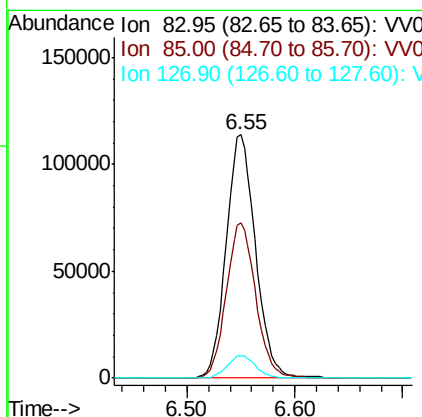
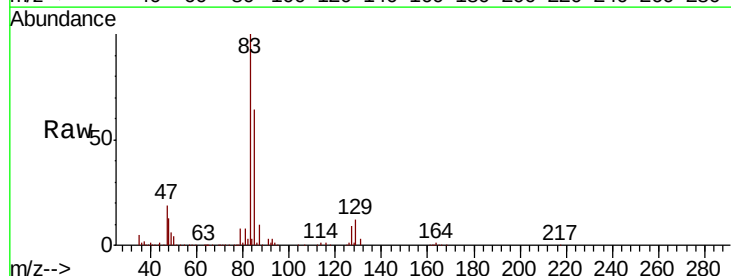
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

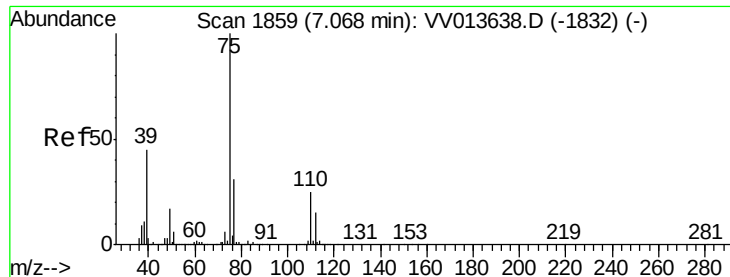
Tot Ion: 63 Resp: 163851
 Ion Ratio Lower Upper
 63 100
 112 4.6 0.2 0.2#



#38
 Bromodichloromethane
 Concen: 4.835 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.05 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Tgt Ion: 83 Resp: 215169
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 9.3 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.244 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.05 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

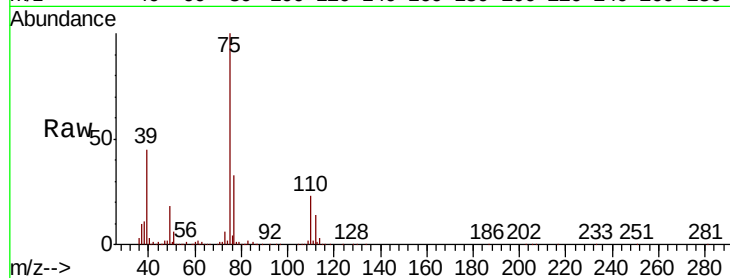
VSTDCCC005

Tot Ion: 75 Resp: 235914

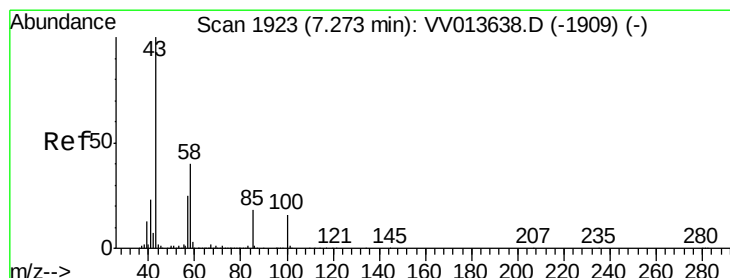
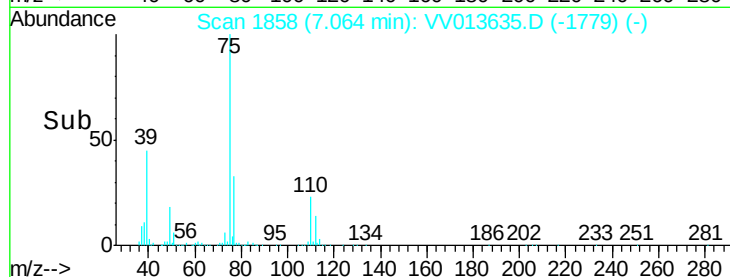
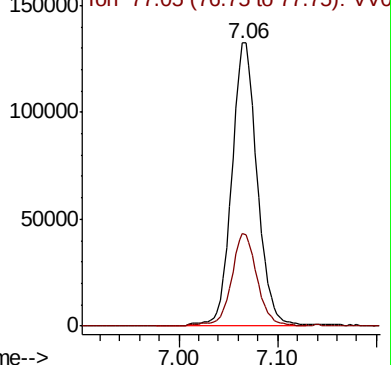
Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV013635.D (-1779) (-)



#40

4-Methyl-2-pentanone

Concen: 53.821 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.04 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

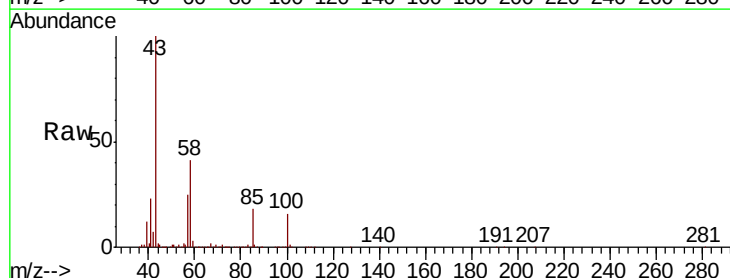
Tgt Ion: 43 Resp: 979169

Ion Ratio Lower Upper

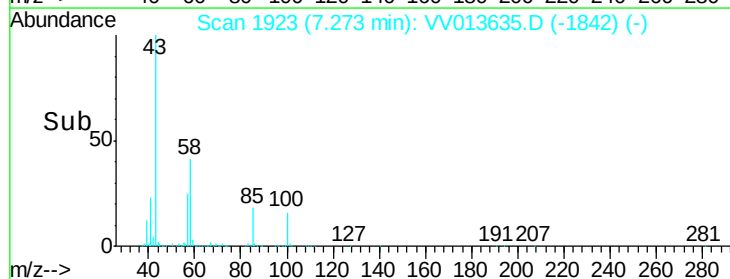
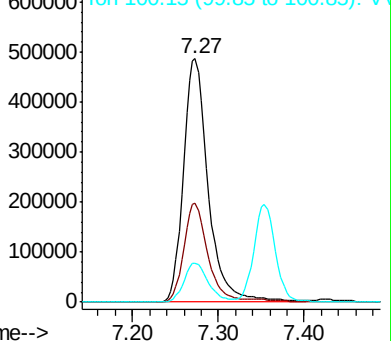
43 100

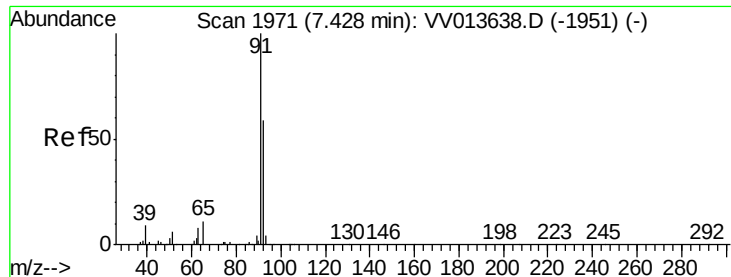
58 38.9 30.6 45.8

100 15.7 12.0 18.0



Abundance Ion 43.05 (42.75 to 43.75): VV013635.D (-1842) (-)





#42

Toluene

Concen: 5.304 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.04 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

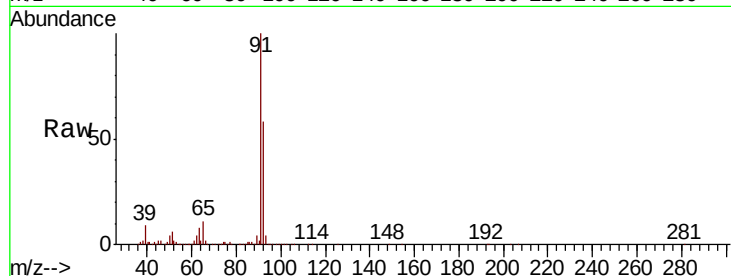
VSTDCCC005

Tot Ion: 91 Resp: 725680

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

400000

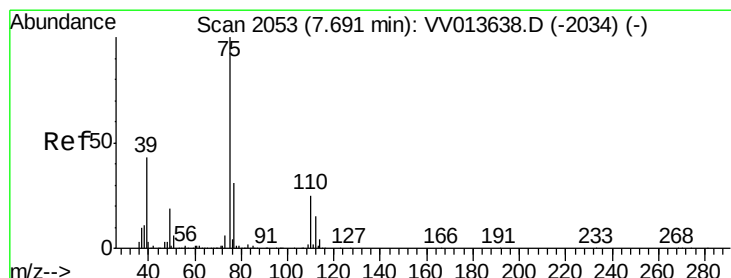
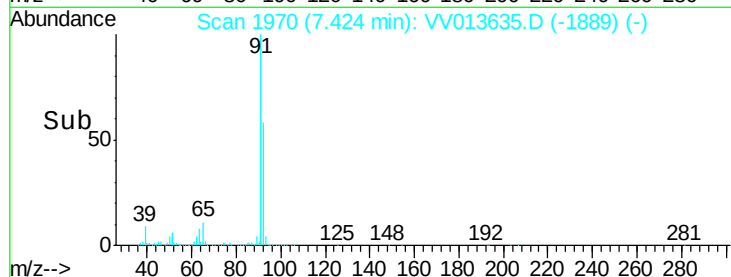
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.267 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.03 min

Lab File: VV013635.D

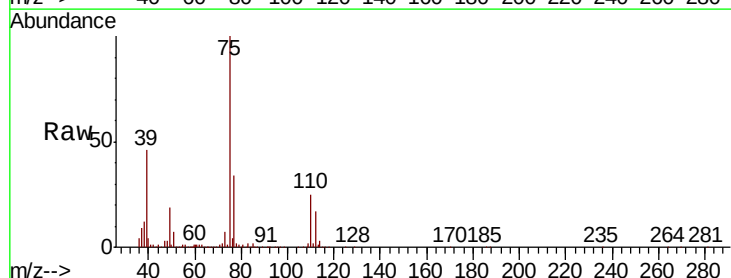
Acq: 15 Nov 2019 12:06

Tgt Ion: 75 Resp: 181297

Ion Ratio Lower Upper

75 100

77 33.9 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

120000

100000

80000

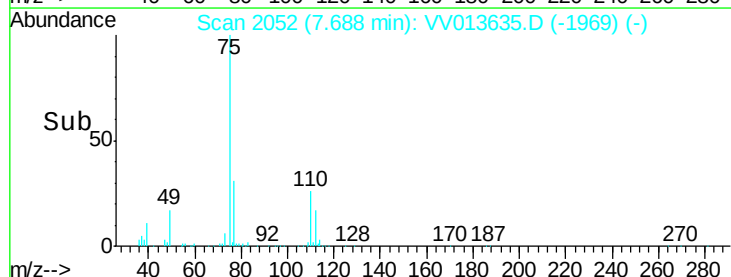
60000

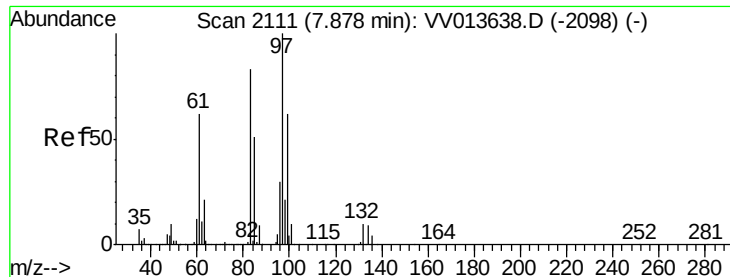
40000

20000

0

Time-->

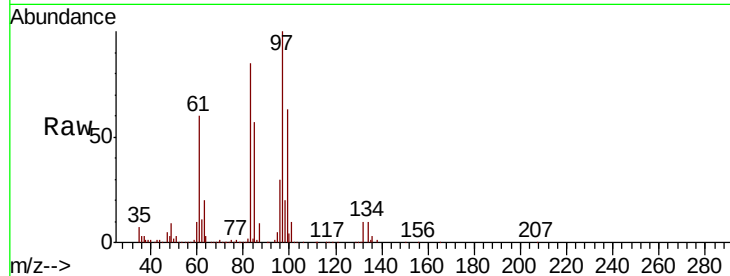




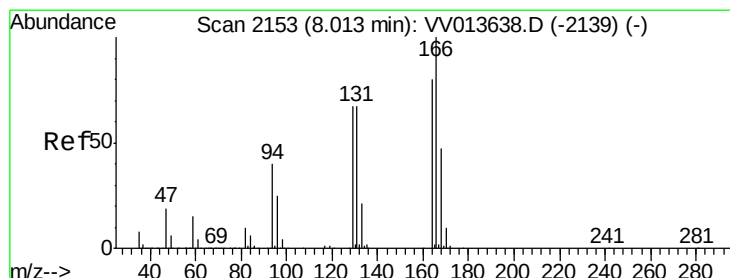
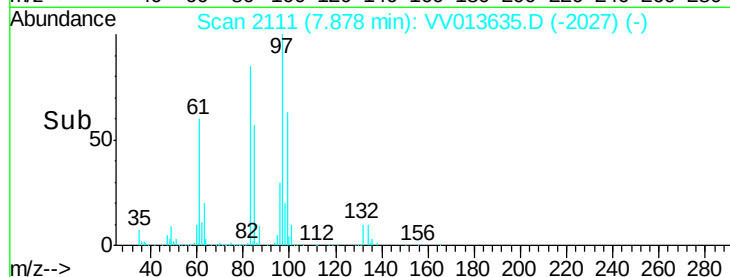
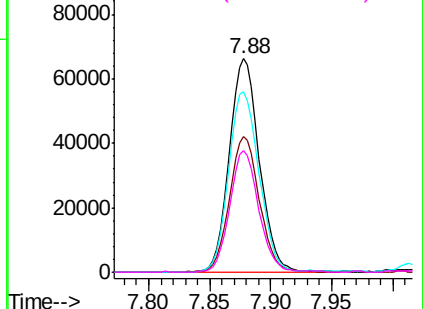
#45
 1,1,2-Trichloroethane
 Concen: 4.892 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.03 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion:	97	Resp:	114091
Ion	Ratio	Lower	Upper
97	100		
99	63.3	42.5	78.9
83	84.7	57.2	106.2
85	57.2	39.1	72.7

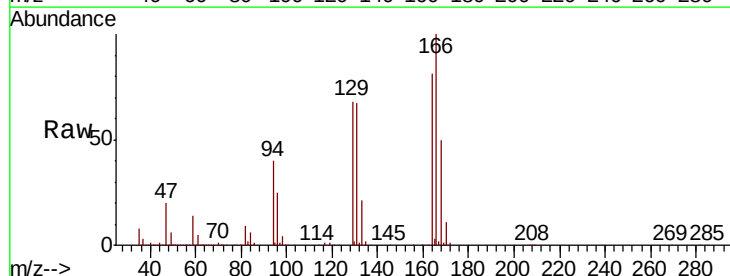


Abundance Ion 96.95 (96.65 to 97.65): VV013635.D (-2098) (-)
 Ion 99.05 (98.75 to 99.75): VV013635.D (-2098) (-)
 Ion 82.95 (82.65 to 83.65): VV013635.D (-2098) (-)
 Ion 85.00 (84.70 to 85.70): VV013635.D (-2098) (-)

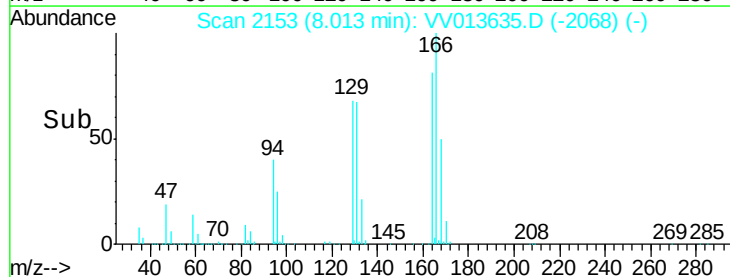
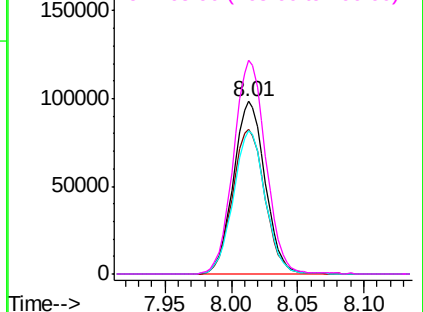


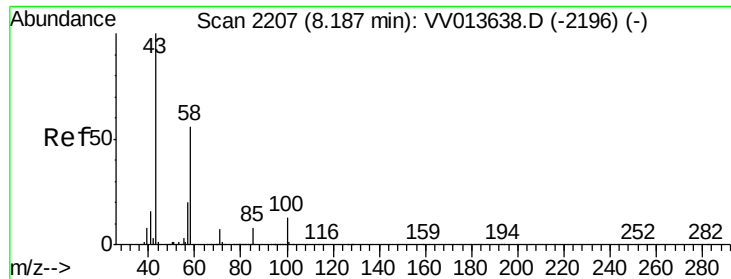
#47
 Tetrachloroethene
 Concen: 5.096 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.03 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Tgt Ion:	164	Resp:	163927
Ion	Ratio	Lower	Upper
164	100		
129	84.0	61.6	114.4
131	83.3	59.0	109.6
166	123.6	87.9	163.3



Abundance Ion 163.90 (163.60 to 164.60): VV013635.D (-2139) (-)
 Ion 128.95 (128.65 to 129.65): VV013635.D (-2139) (-)
 Ion 130.95 (130.65 to 131.65): VV013635.D (-2139) (-)
 Ion 165.90 (165.60 to 166.60): VV013635.D (-2139) (-)

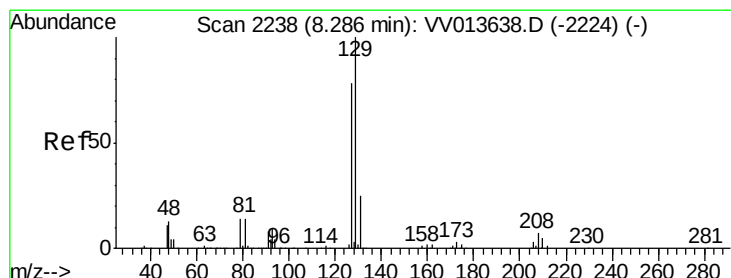
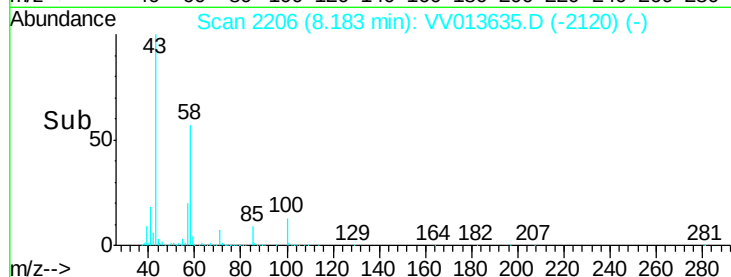
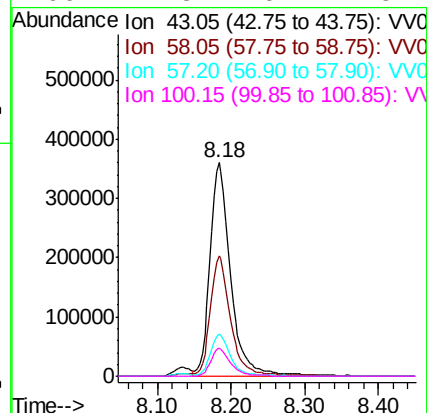
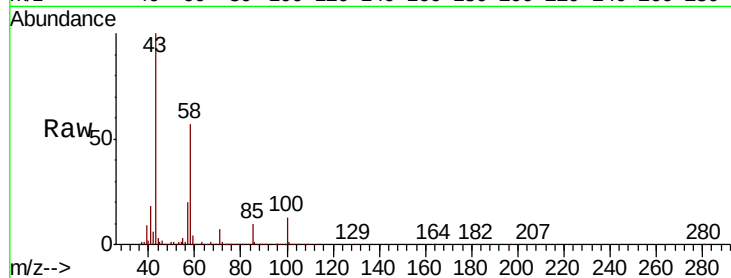




#48
2-Hexanone
Concen: 54.674 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.02 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

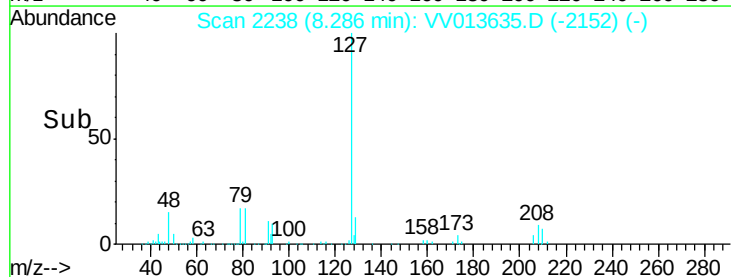
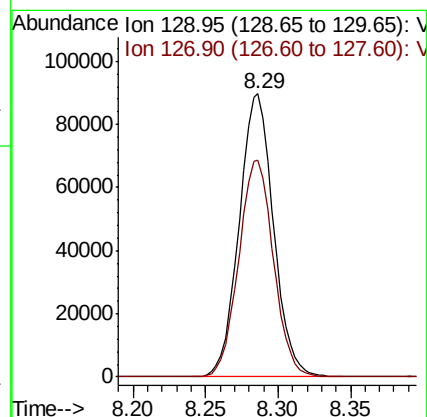
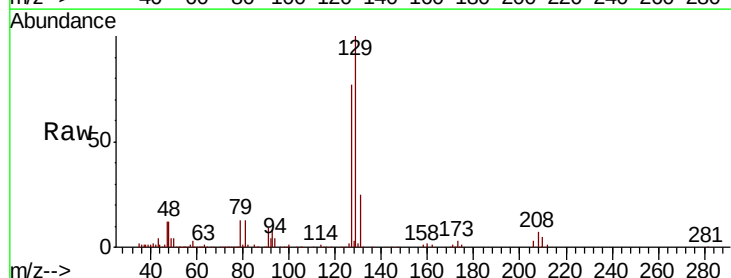
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

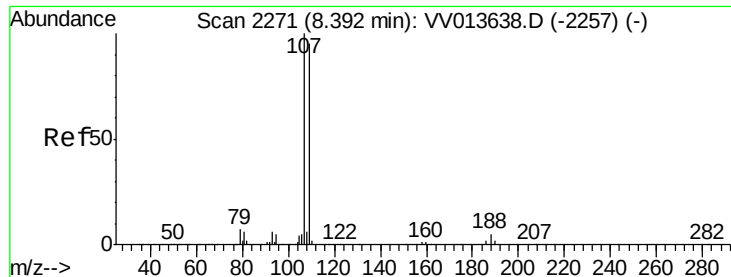
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	45.1	67.7
57	18.7	14.6	21.8
100	12.3	10.2	15.2



#49
Dibromochloromethane
Concen: 5.030 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.02 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.5	103.1

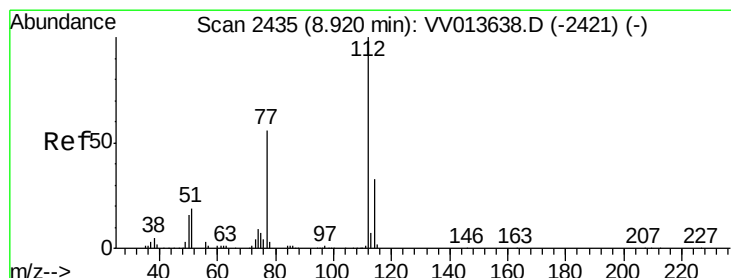
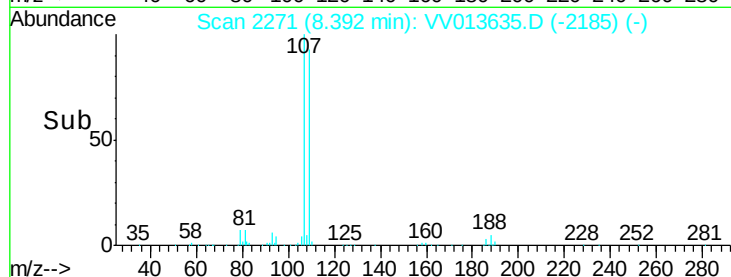
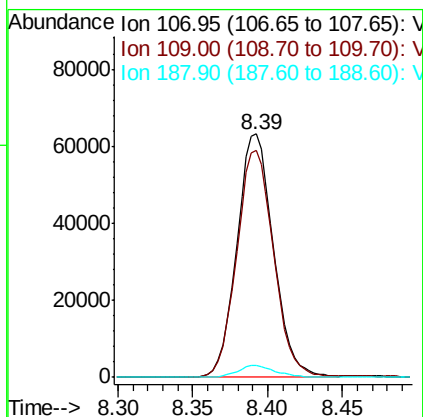
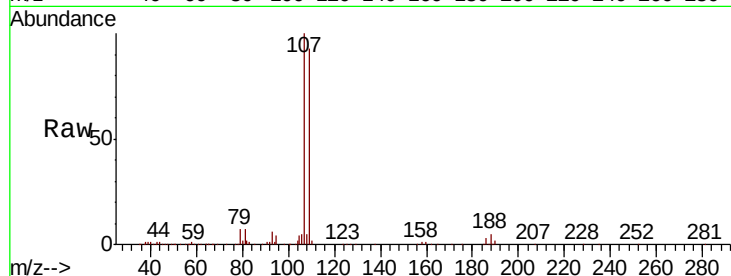




#50
1,2-Dibromoethane
Concen: 5.041 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.02 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

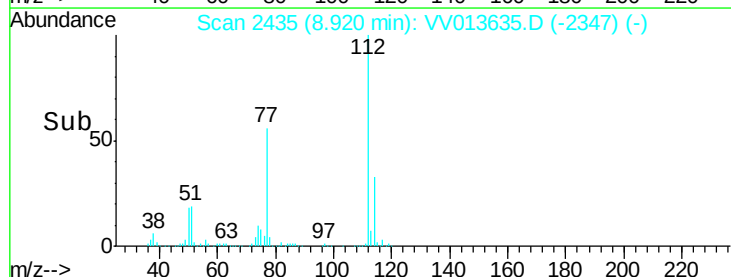
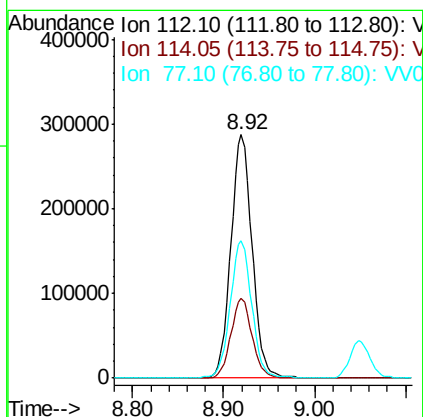
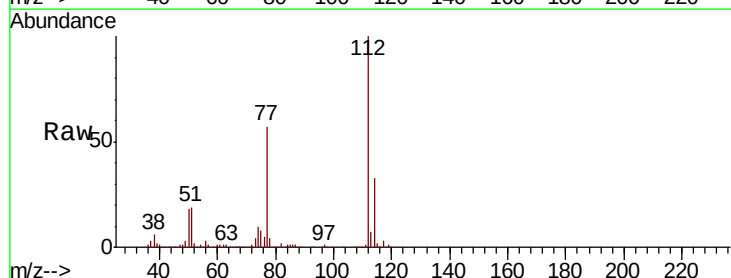
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

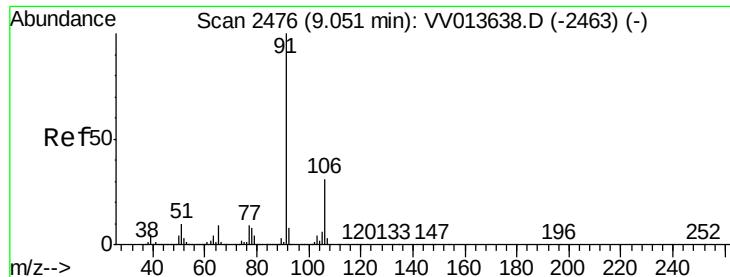
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	69.0	128.2
188	4.8	3.8	5.6



#51
Chlorobenzene
Concen: 5.210 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.02 min
Lab File: VV013635.D
Acq: 15 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.5
77	56.5	46.0	69.0





#52

Ethylbenzene

Concen: 5.438 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.02 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

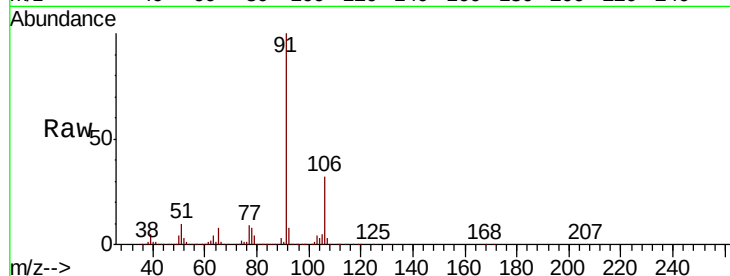
VSTDCCC005

Tot Ion: 91 Resp: 779703

Ion Ratio Lower Upper

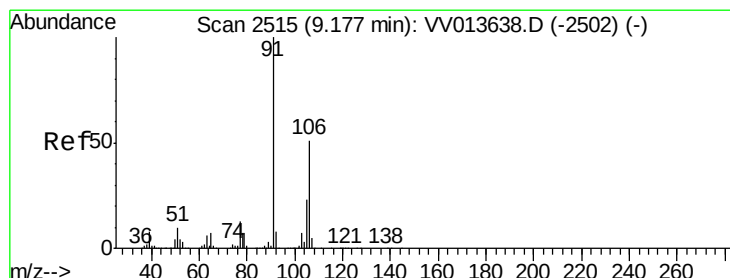
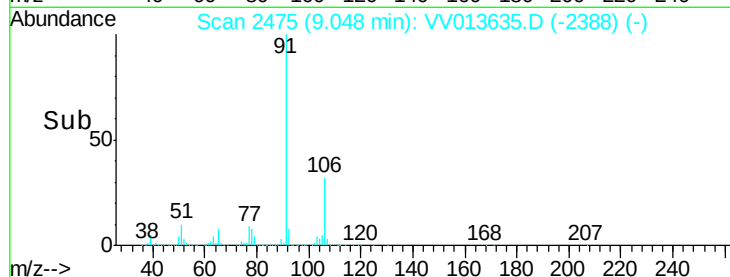
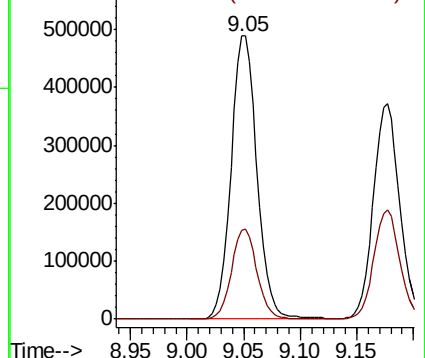
91 100

106 31.5 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.528 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.01 min

Lab File: VV013635.D

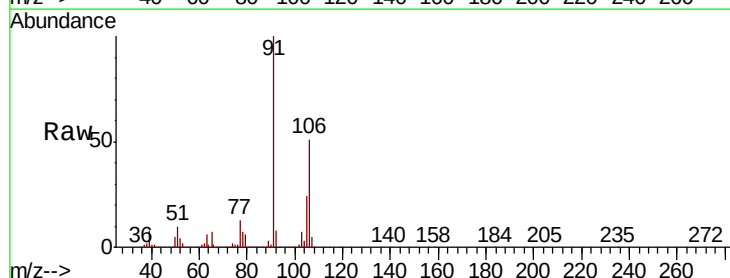
Acq: 15 Nov 2019 12:06

Tgt Ion: 106 Resp: 301922

Ion Ratio Lower Upper

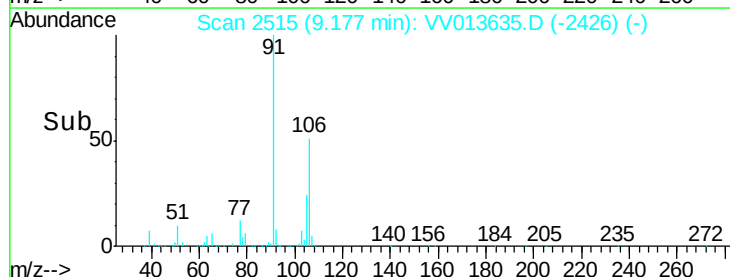
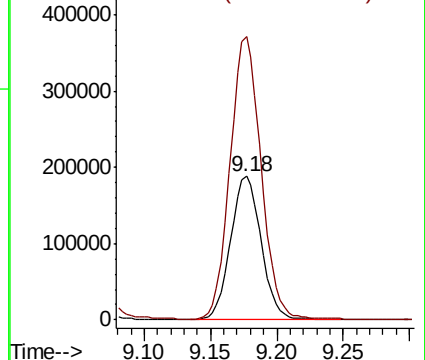
106 100

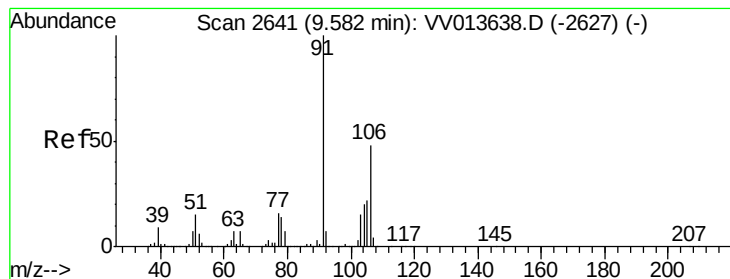
91 197.2 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.662 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

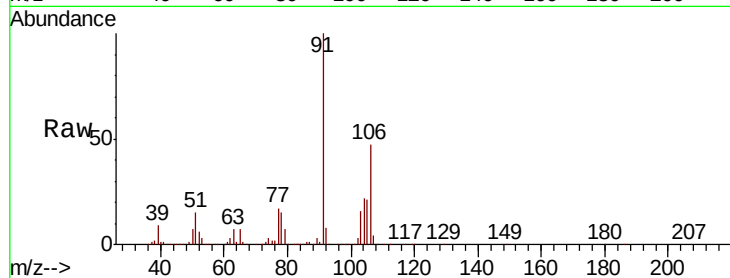
VSTDCCC005

Tot Ion:106 Resp: 288959

Ion Ratio Lower Upper

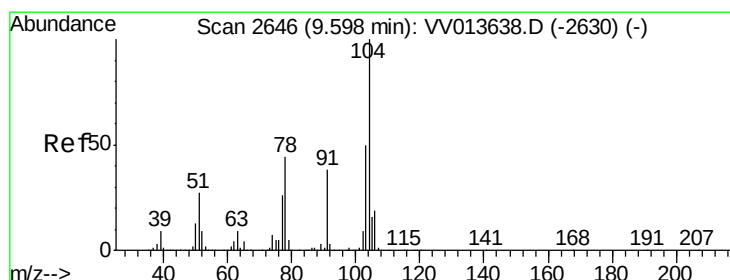
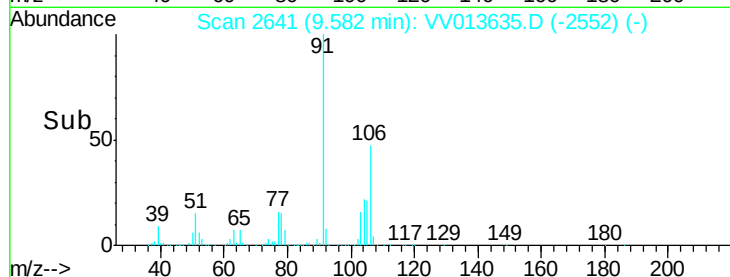
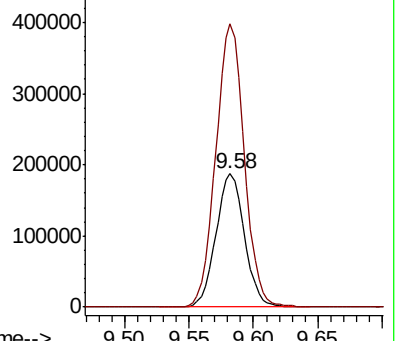
106 100

91 212.6 152.7 283.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.669 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.01 min

Lab File: VV013635.D

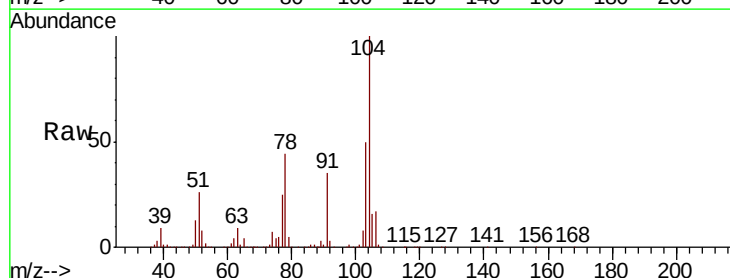
Acq: 15 Nov 2019 12:06

Tgt Ion:104 Resp: 504240

Ion Ratio Lower Upper

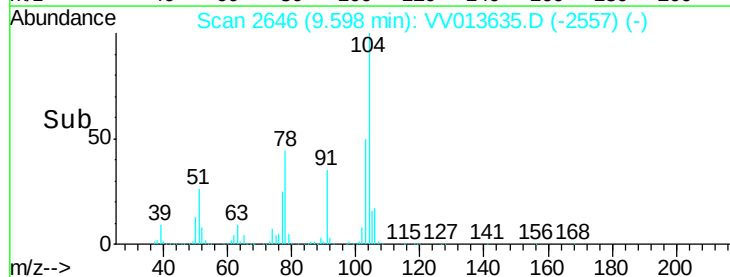
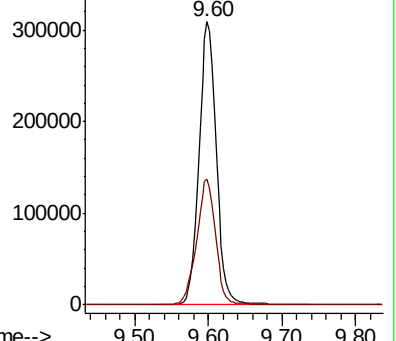
104 100

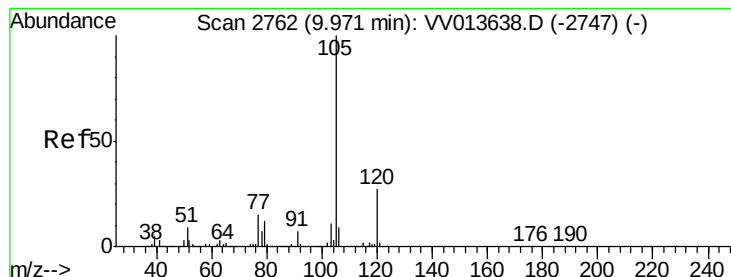
78 44.4 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.743 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

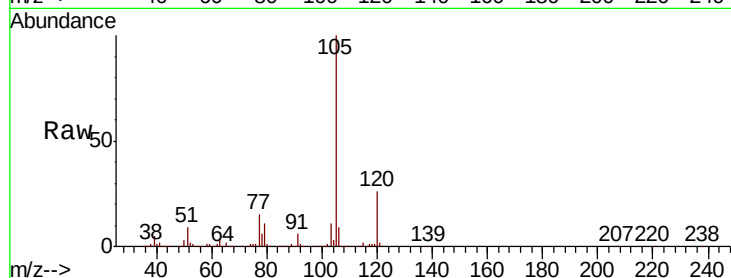
Tot Ion: 105 Resp: 786723

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

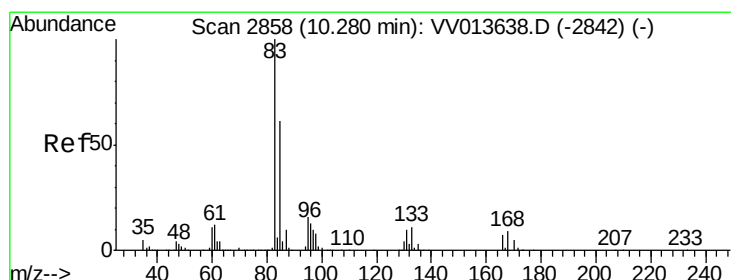
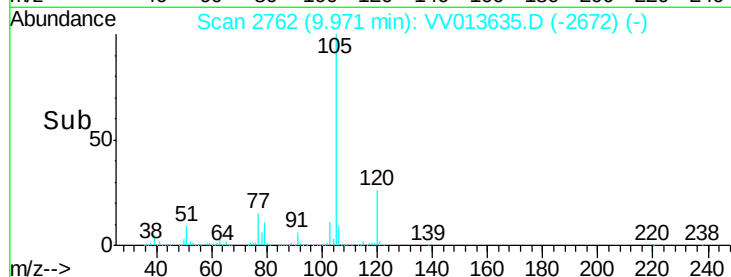
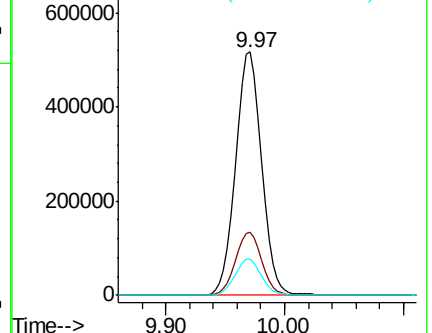
77 15.1 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.105 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

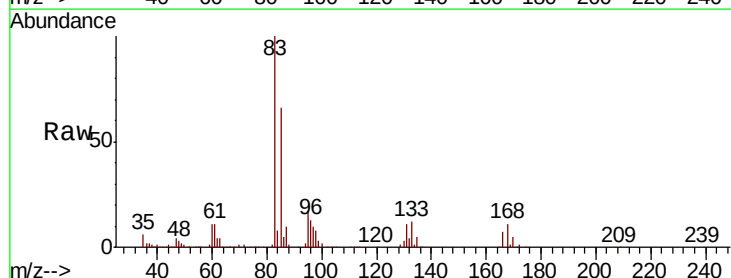
Tgt Ion: 83 Resp: 130680

Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0

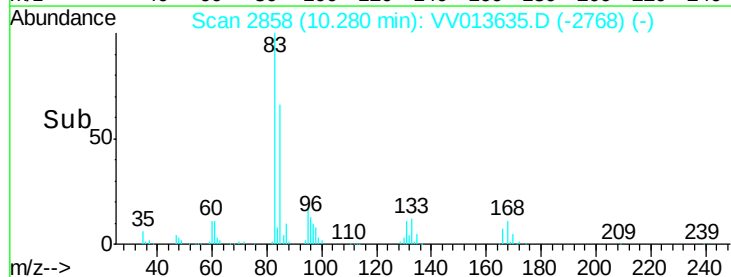
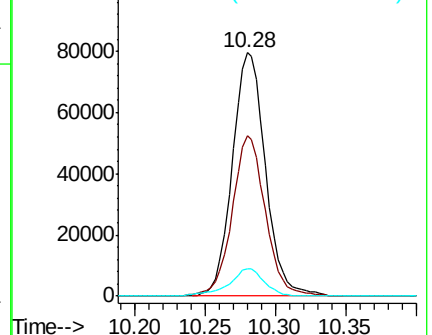
131 11.4 8.2 12.2

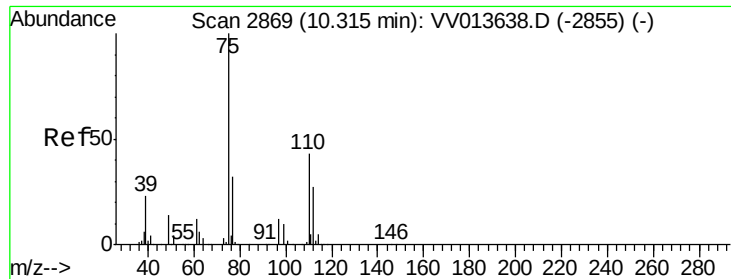


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.951 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

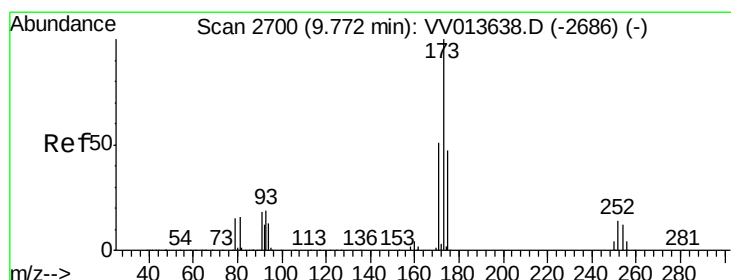
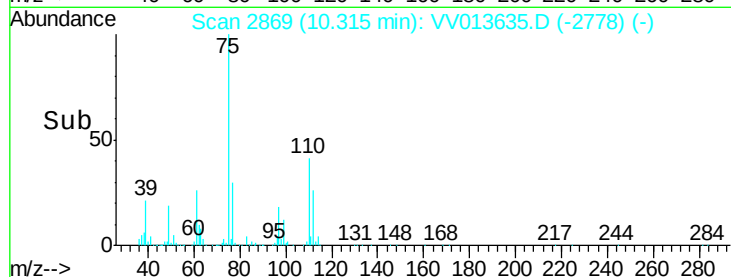
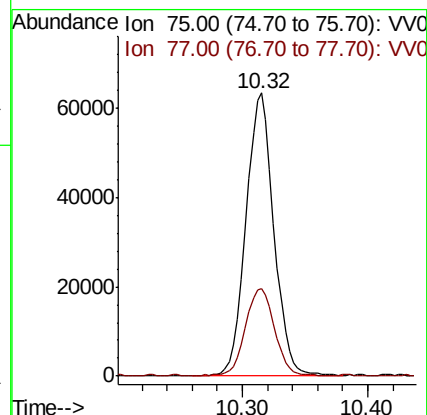
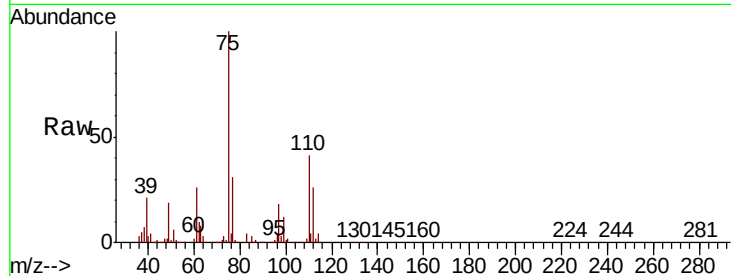
VSTDCCC005

Tot Ion: 75 Resp: 98117

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6



#61

Bromoform

Concen: 4.937 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.01 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

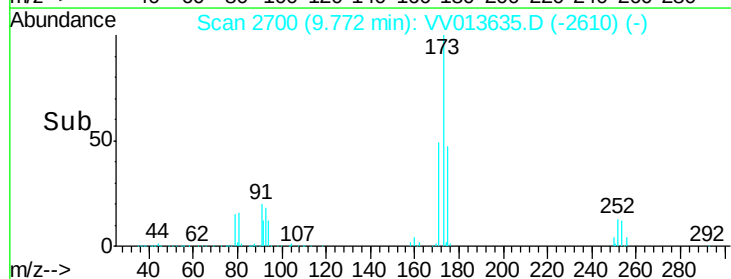
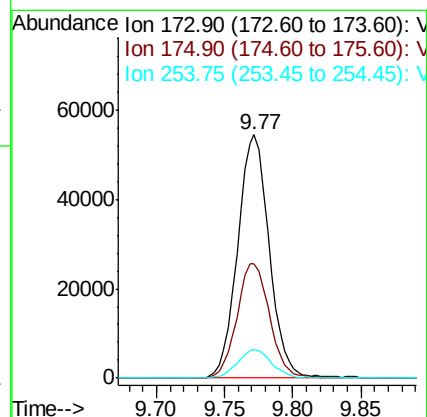
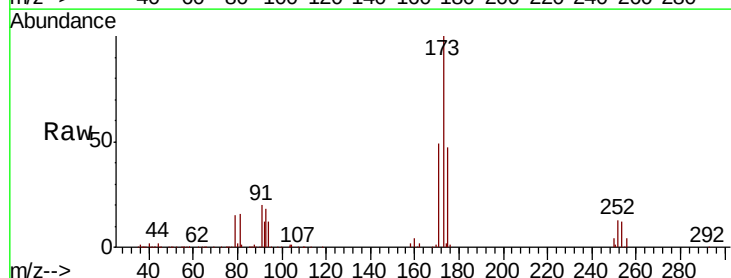
Tgt Ion: 173 Resp: 87548

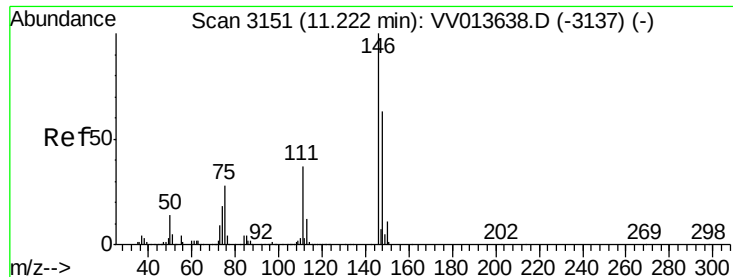
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 12.7 11.4 17.0

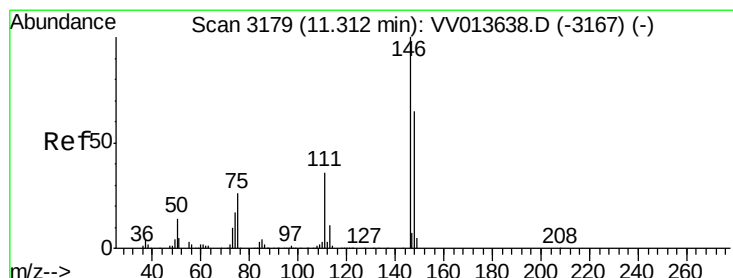
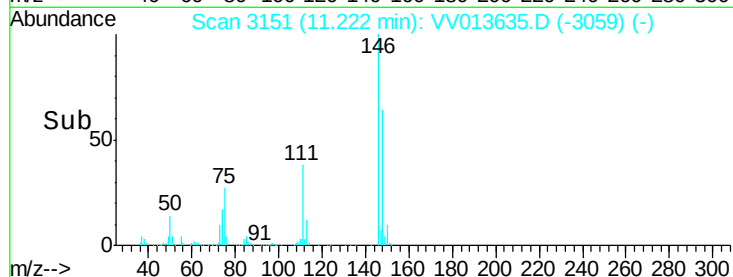
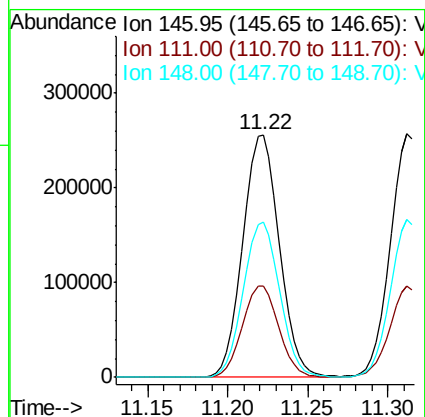
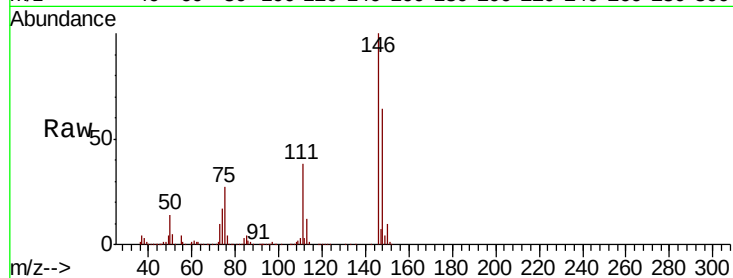




#62
 1,3-Dichlorobenzene
 Concen: 5.226 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

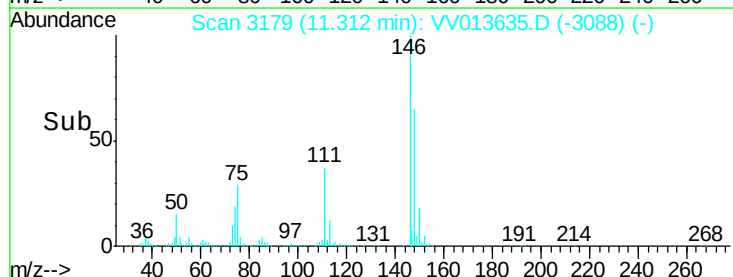
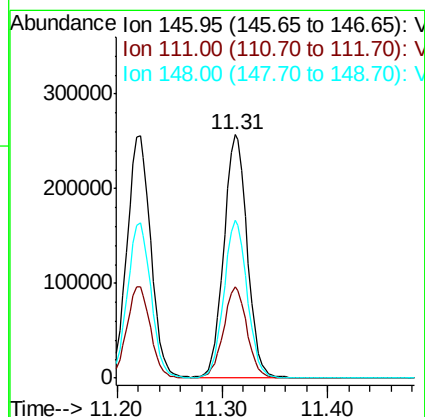
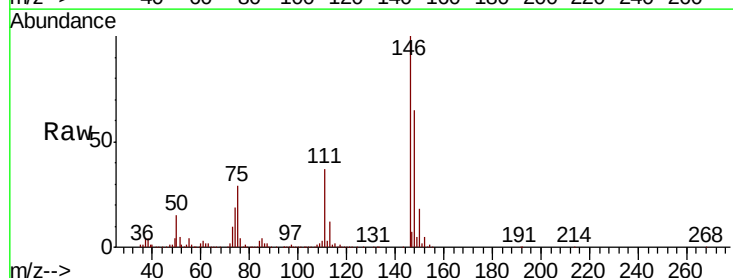
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

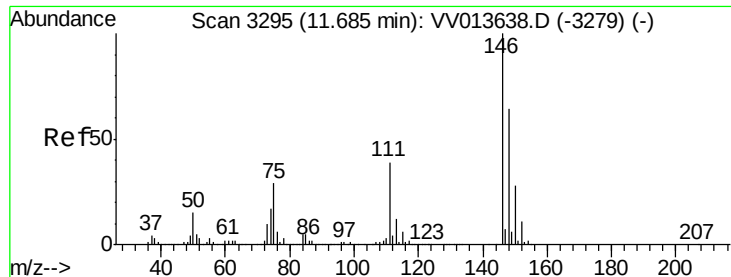
Tot Ion:146 Resp: 398385
 Ion Ratio Lower Upper
 146 100
 111 37.7 27.6 51.4
 148 64.2 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.047 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.01 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Tgt Ion:146 Resp: 393846
 Ion Ratio Lower Upper
 146 100
 111 37.3 24.7 45.9
 148 65.0 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 5.115 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

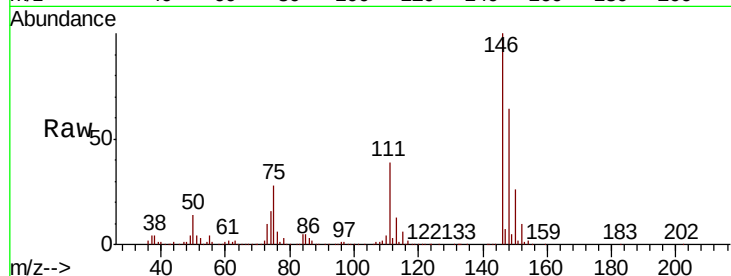
Tot Ion:146 Resp: 360458

Ion Ratio Lower Upper

146 100

111 39.4 31.4 47.0

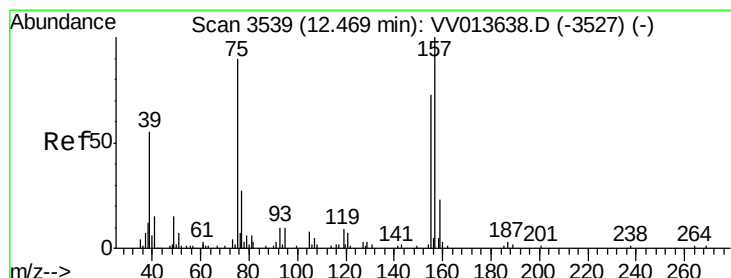
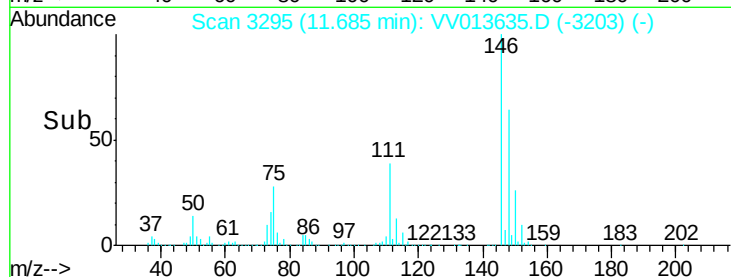
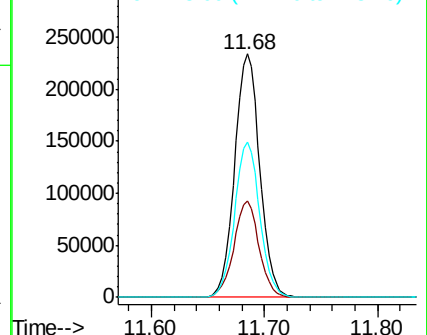
148 63.6 51.0 76.6



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: 4.840 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

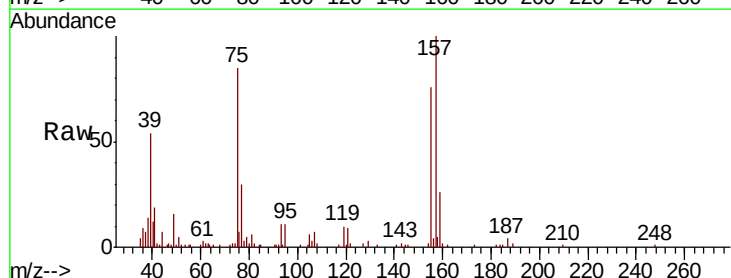
Tgt Ion: 75 Resp: 20868

Ion Ratio Lower Upper

75 100

155 90.0 78.3 117.5

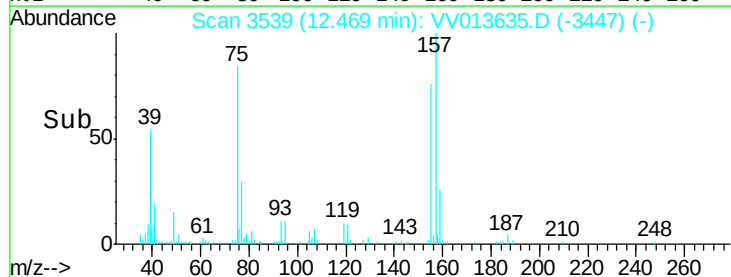
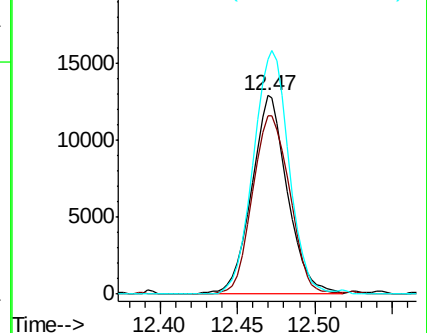
157 118.3 99.0 148.4

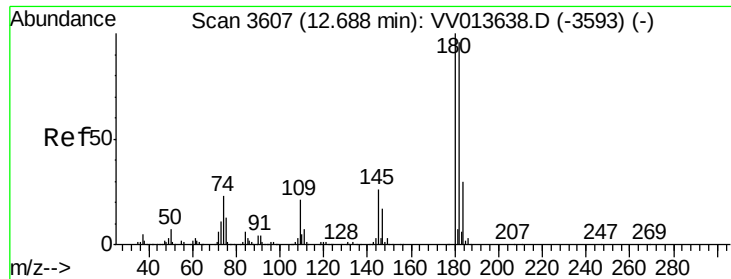


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

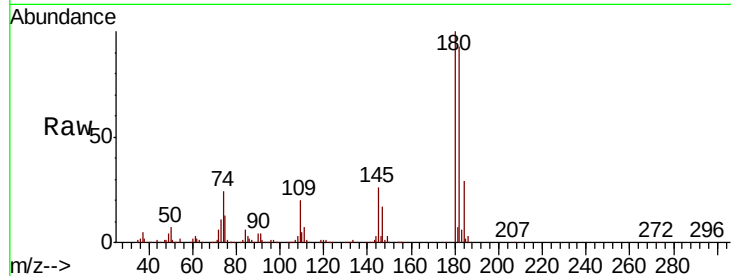




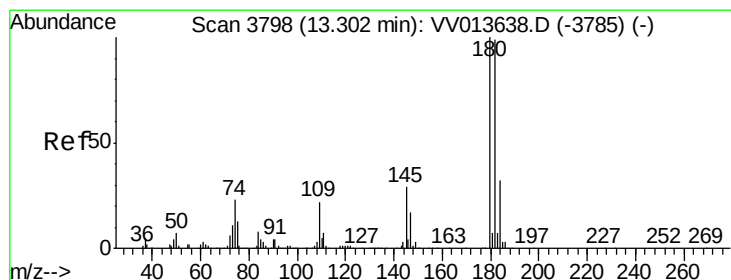
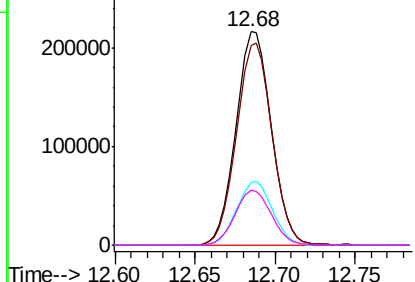
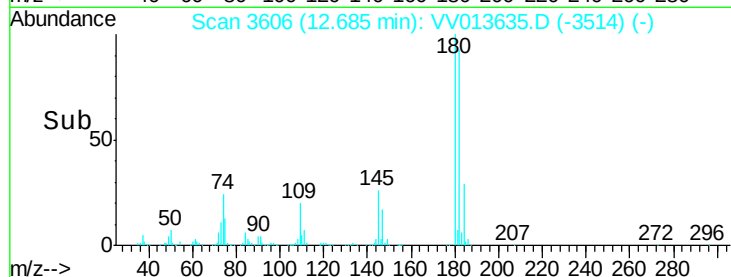
#67
 1,3,5-Trichlorobenzene
 Concen: 5.267 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion:180	Resp:	325598
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.7 115.1
184	30.3	24.8 37.2
145	26.6	21.5 32.3

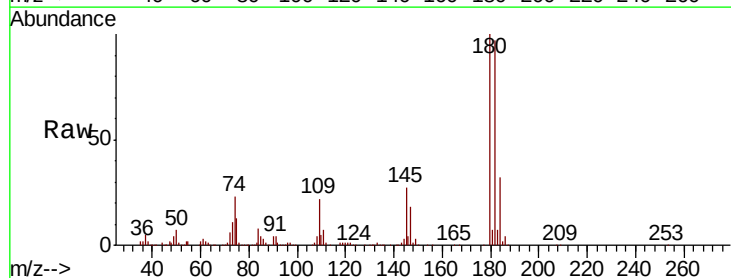


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

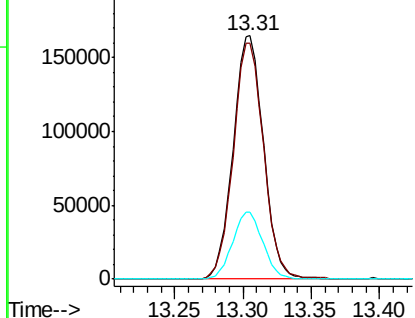
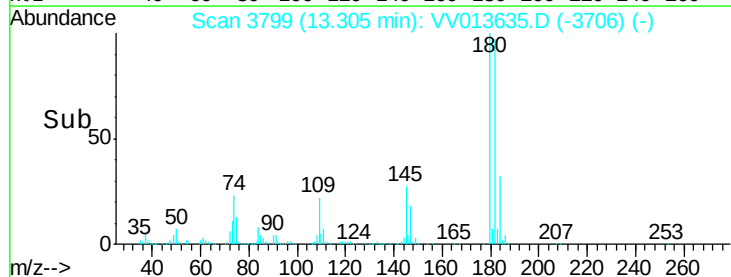


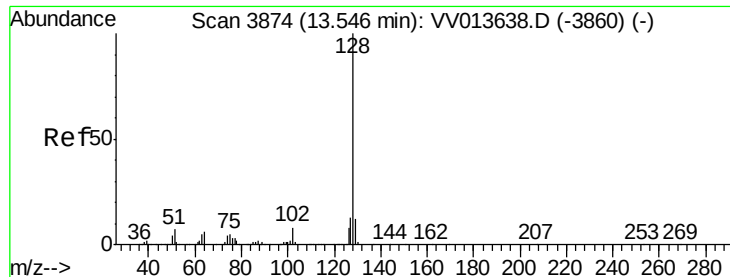
#68
 1,2,4-trichlorobenzene
 Concen: 5.326 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013635.D
 Acq: 15 Nov 2019 12:06

Tgt Ion:180	Resp:	254564
Ion Ratio	Lower	Upper
180	100	
182	97.2	75.7 113.5
145	27.5	21.9 32.9



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: 5.810 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

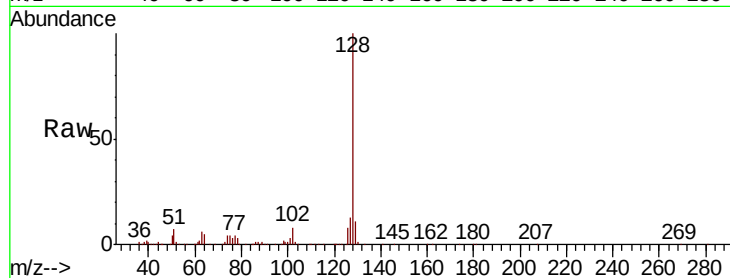
Tot Ion:128 Resp: 350644

Ion Ratio Lower Upper

128 100

129 10.6 8.2 12.4

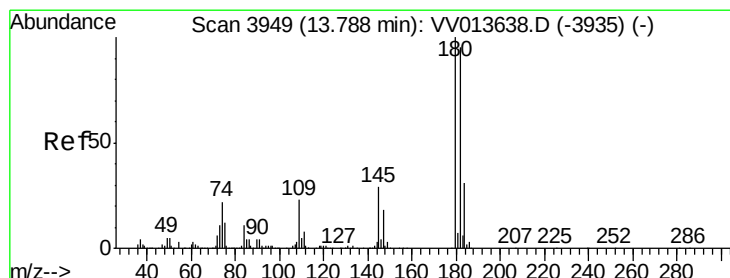
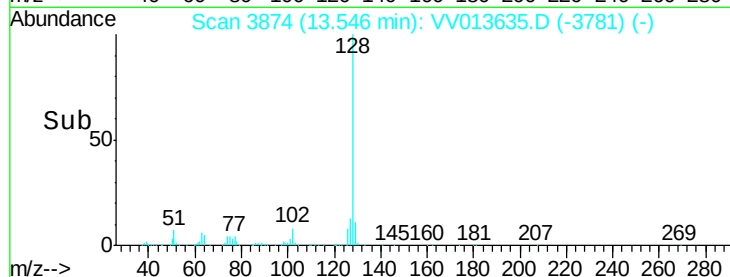
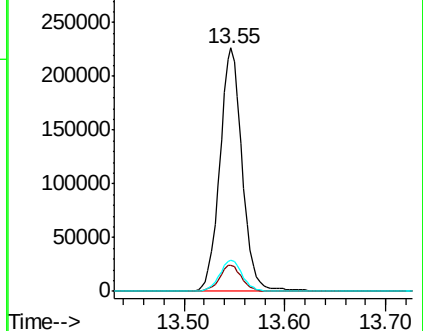
127 13.0 11.2 16.8



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: 5.436 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013635.D

Acq: 15 Nov 2019 12:06

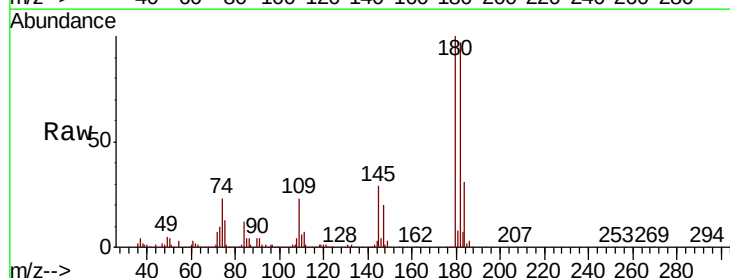
Tgt Ion:180 Resp: 241567

Ion Ratio Lower Upper

180 100

182 97.9 75.4 113.2

145 29.2 22.6 33.8



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

