

Data File : VV013650.D
Acq On : 18 Nov 2019 10:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Quant Time: Nov 19 04:13:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 18 10:08:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	434529	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	413732	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	224998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108154	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	100407	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.13	63	213705	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.96	46	292523	47.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.26%
24) Chloroform-d	4.39	84	255592	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.08	65	122229	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.09	84	484953	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.11	67	147757	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.35	98	457971	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.66	79	55474	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	222085	44.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.50%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	109138	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	180132	4.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	209071	5.232 ug/L	98
3) Chloromethane	1.25	50	196901	5.122 ug/L	99
5) Vinyl chloride	1.32	62	186104	5.081 ug/L	98
6) Bromomethane	1.53	94	111762	5.007 ug/L	98
8) Chloroethane	1.60	64	107291	5.219 ug/L	98
9) Trichlorofluoromethane	1.77	101	254899	5.236 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	145635	5.446 ug/L	99
12) 1,1-Dichloroethene	2.14	96	134059	5.164 ug/L	95
13) Acetone	2.22	43	197440	50.413 ug/L	94
14) Carbon disulfide	2.31	76	451045	5.036 ug/L	100
15) Methyl Acetate	2.47	43	54373	4.902 ug/L	98
16) Methylene chloride	2.53	84	163126	4.521 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	332321	5.012 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	163263	5.100 ug/L	97
19) 1,1-Dichloroethane	3.23	63	293688	5.137 ug/L	99
21) 2-Butanone	4.04	43	365614	55.669 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	169823	5.111 ug/L #	98

Data File : VV013650.D
Acq On : 18 Nov 2019 10:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Quant Time: Nov 19 04:13:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 18 10:08:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	78569	5.129	ug/L	97
25) Chloroform	4.42	83	329242	4.252	ug/L	96
27) 1,2-Dichloroethane	5.17	62	177437	5.158	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	259934	5.198	ug/L	99
30) Cyclohexane	4.72	56	260475	5.235	ug/L	98
31) Carbon tetrachloride	4.87	117	238964	5.289	ug/L	97
33) Benzene	5.14	78	658096	5.255	ug/L	100
34) Trichloroethene	5.96	95	174105	5.194	ug/L	99
35) Methylcyclohexane	6.17	83	273896	5.357	ug/L	99
37) 1,2-Dichloropropane	6.22	63	156217	5.209	ug/L	100
38) Bromodichloromethane	6.55	83	207475	4.961	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	228820	5.309	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	911095	52.224	ug/L	100
42) Toluene	7.42	91	716744	5.357	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	177003	5.210	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	109654	5.071	ug/L	96
47) Tetrachloroethene	8.01	164	161918	5.213	ug/L	98
48) 2-Hexanone	8.18	43	637657	51.535	ug/L	98
49) Dibromochloromethane	8.29	129	146490	5.336	ug/L	97
50) 1,2-Dibromoethane	8.39	107	104749	5.043	ug/L	97
51) Chlorobenzene	8.92	112	452110	5.096	ug/L	98
52) Ethylbenzene	9.05	91	754271	5.289	ug/L	100
53) m,p-xylene	9.18	106	293864	5.463	ug/L	99
54) o-xylene	9.58	106	277881	5.371	ug/L	96
55) Styrene	9.60	104	483868	5.530	ug/L	99
56) Isopropylbenzene	9.97	105	759336	5.520	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	123537	5.150	ug/L	95
59) 1,2,3-Trichloropropane	10.31	75	94569	5.102	ug/L	99
61) Bromoform	9.77	173	87278	5.181	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	389225	5.161	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	388823	5.078	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	353110	5.027	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	20115	4.796	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	316534	5.057	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	247979	4.823	ug/L	99
69) Naphthalene	13.55	128	323482	4.606	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	236214	5.029	ug/L	98

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

Data File : VV013650.D

Acq On : 18 Nov 2019 10:43

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA V/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

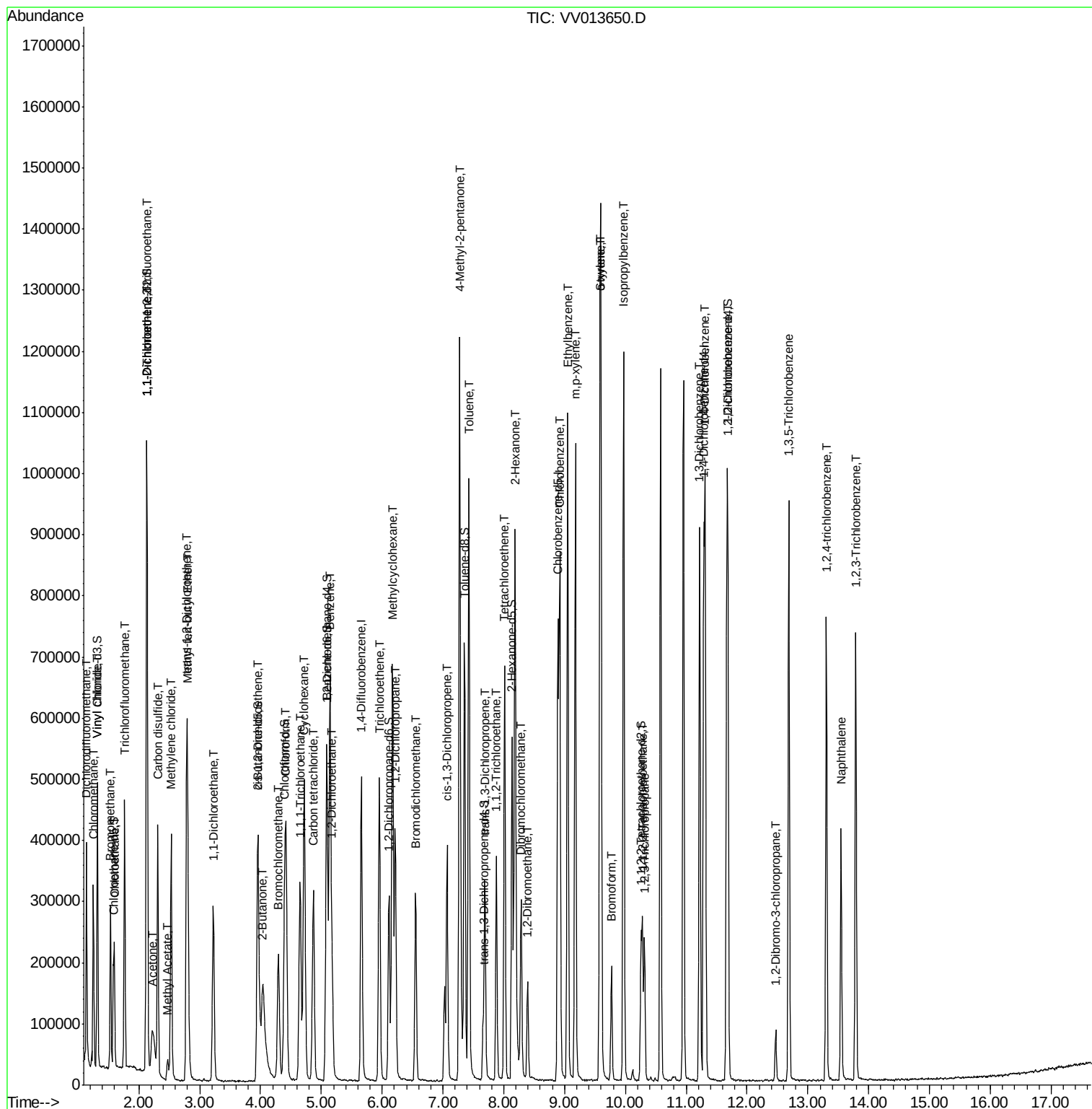
Quant Time: Nov 19 04:13:55 2019

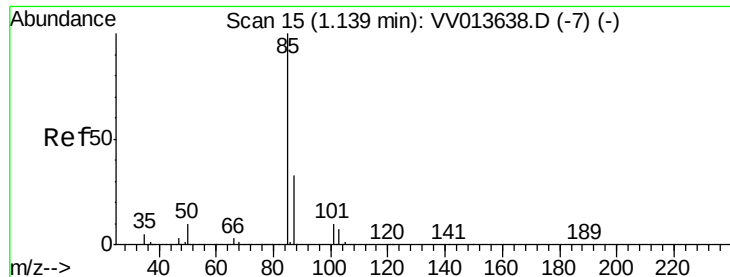
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR111519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Nov 18 10:08:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.232 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

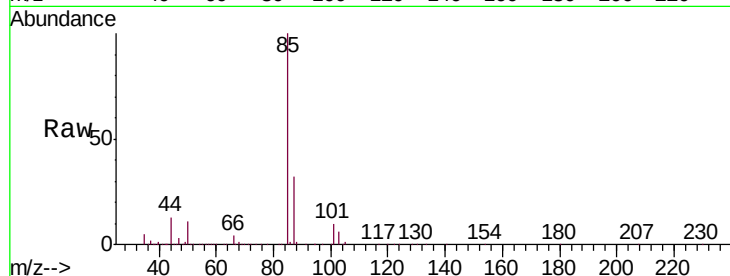
VSTD00538

Tgt Ion: 85 Resp: 209071

Ion Ratio Lower Upper

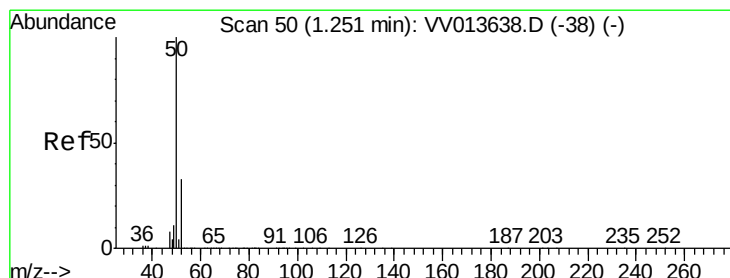
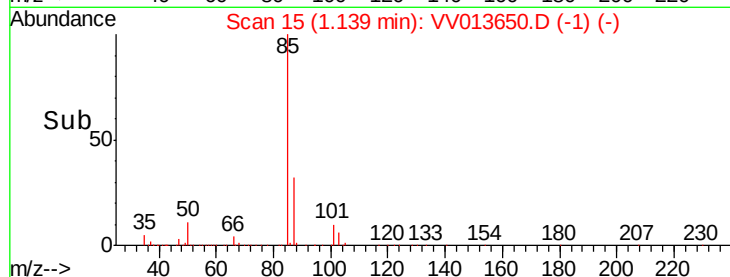
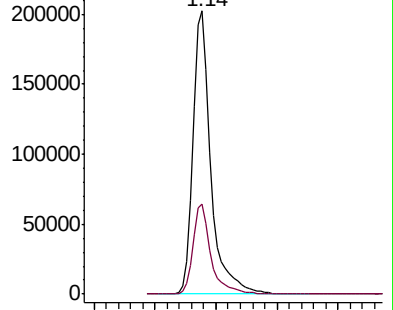
85 100

87 31.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013638.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013638.D (-7) (-)



#3

Chloromethane

Concen: 5.122 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013650.D

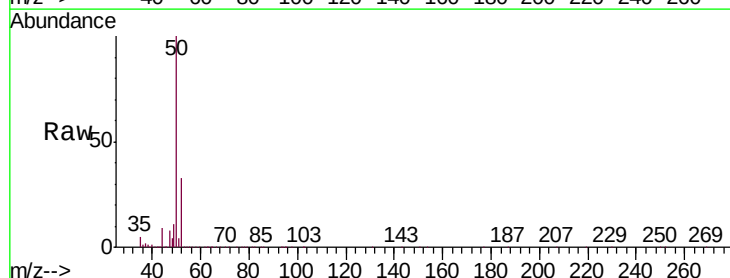
Acq: 18 Nov 2019 10:43

Tgt Ion: 50 Resp: 196901

Ion Ratio Lower Upper

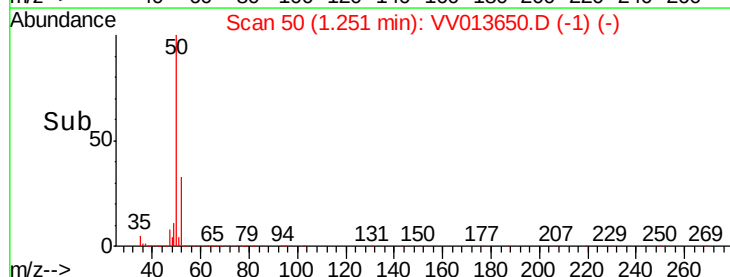
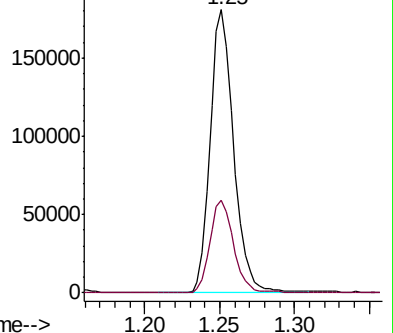
50 100

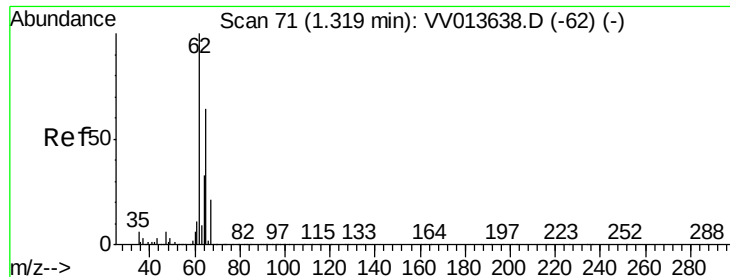
52 32.6 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013638.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV013638.D (-38) (-)





#5

Vinyl chloride

Concen: 5.081 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

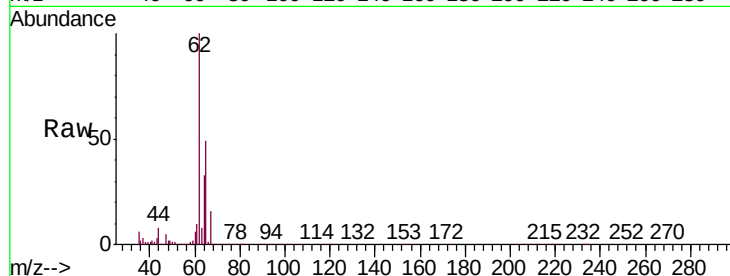
VSTD00538

Tgt Ion: 62 Resp: 186104

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

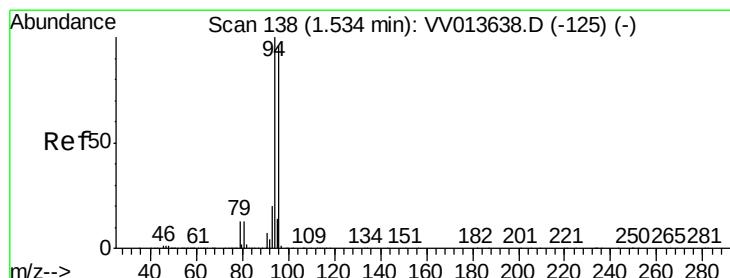
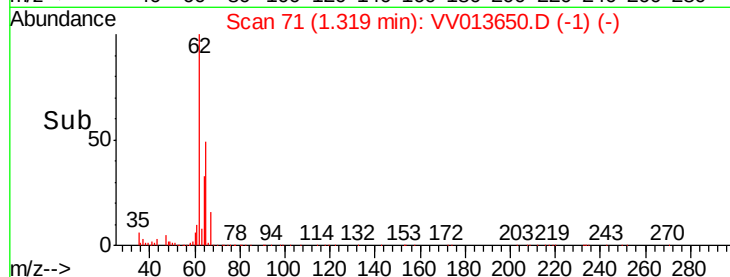
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.007 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013650.D

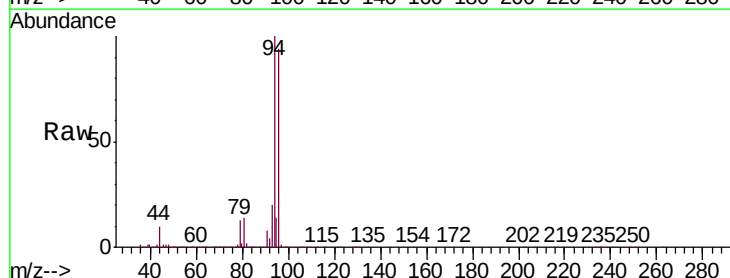
Acq: 18 Nov 2019 10:43

Tgt Ion: 94 Resp: 111762

Ion Ratio Lower Upper

94 100

96 94.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

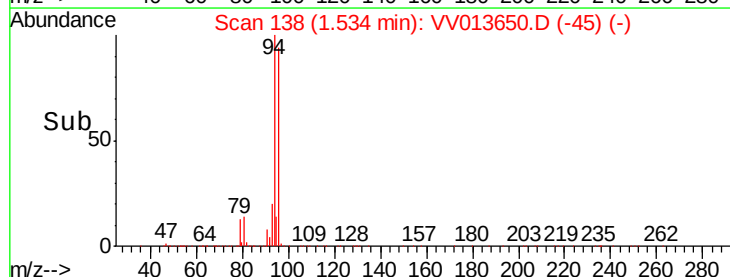
60000

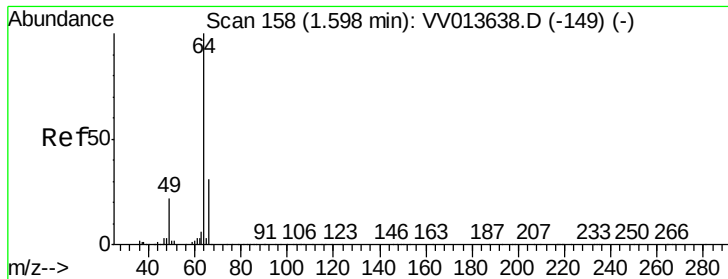
40000

20000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 5.219 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

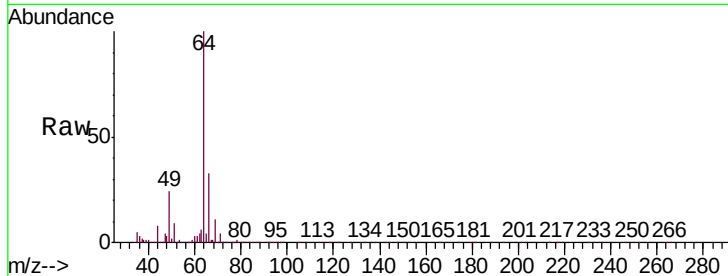
VSTD00538

Tgt Ion: 64 Resp: 107291

Ion Ratio Lower Upper

64 100

66 32.6 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VV013638.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV013638.D (-149) (-)

1.60

100000

80000

60000

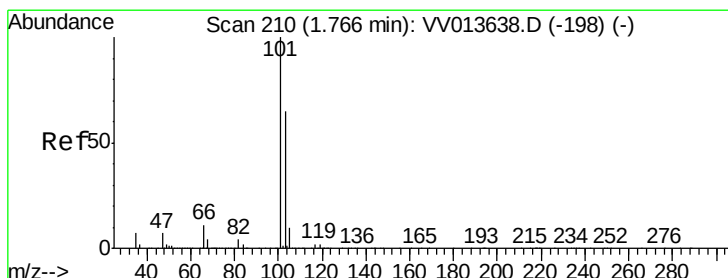
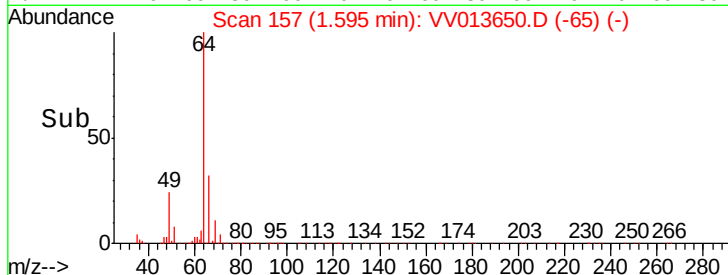
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.236 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013650.D

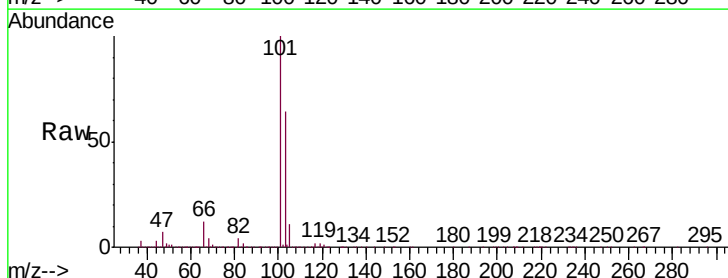
Acq: 18 Nov 2019 10:43

Tgt Ion: 101 Resp: 254899

Ion Ratio Lower Upper

101 100

103 63.8 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV013638.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013638.D (-198) (-)

1.77

200000

150000

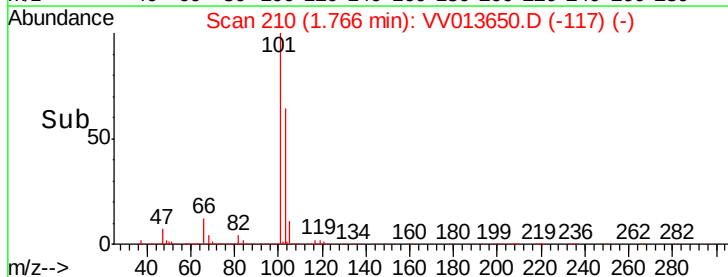
100000

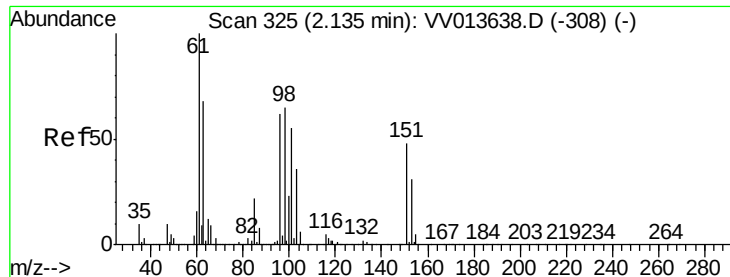
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.446 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

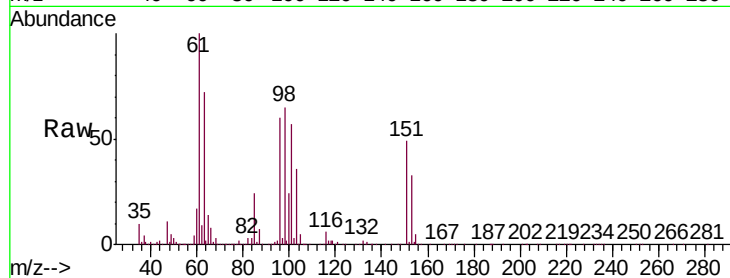
Tgt Ion: 101 Resp: 145635

Ion Ratio Lower Upper

101 100

85 39.4 32.0 48.0

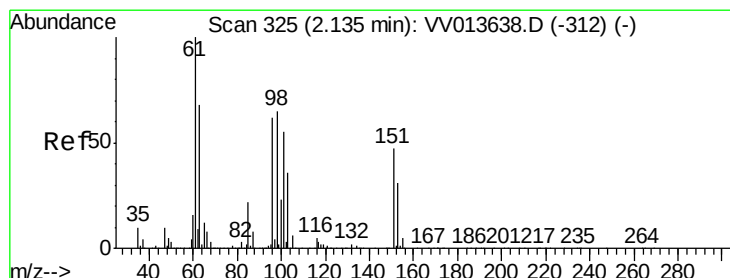
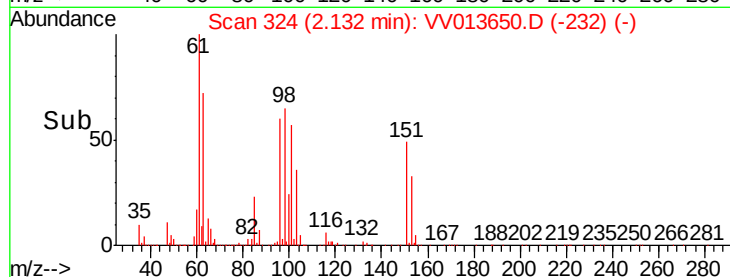
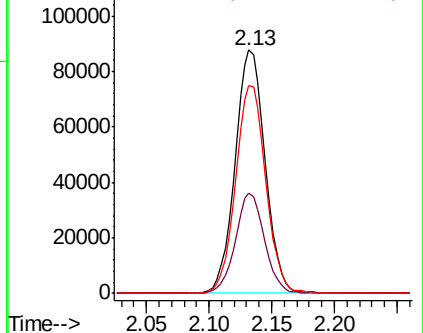
151 85.9 69.0 103.6



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: 5.164 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

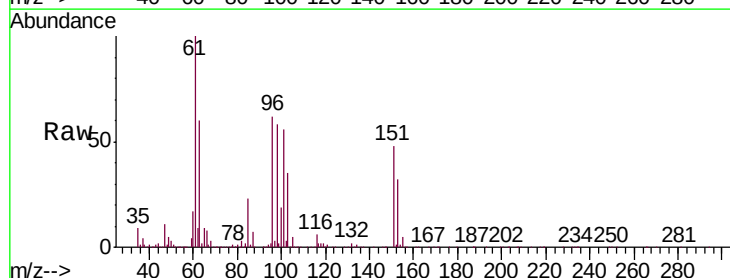
Tgt Ion: 96 Resp: 134059

Ion Ratio Lower Upper

96 100

61 160.4 112.5 208.9

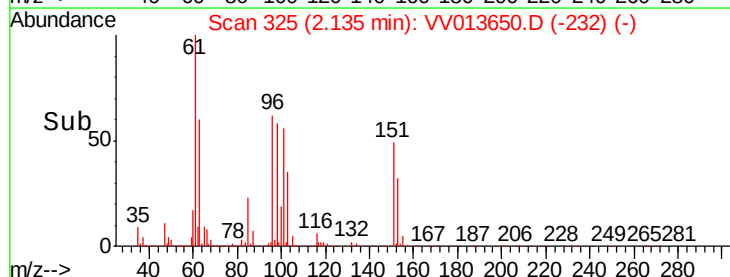
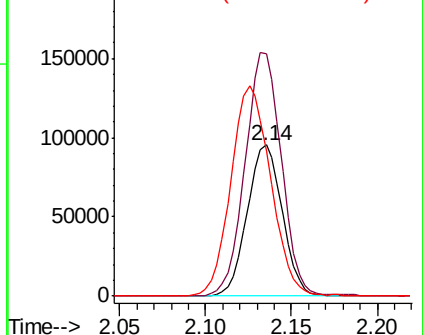
63 96.3 76.9 142.7

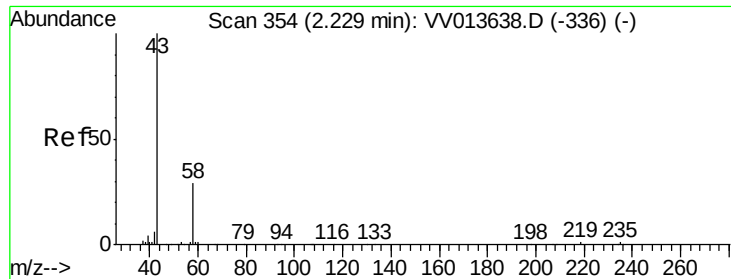


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.413 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

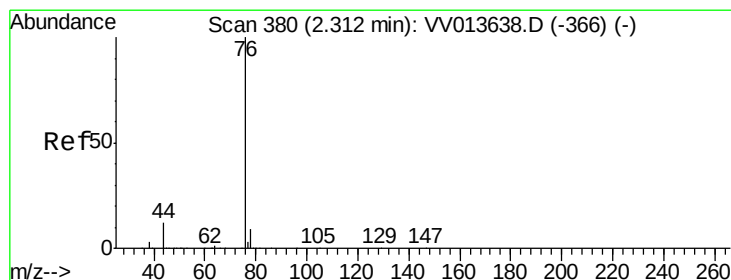
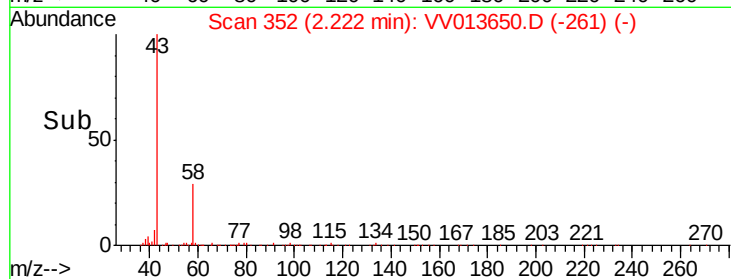
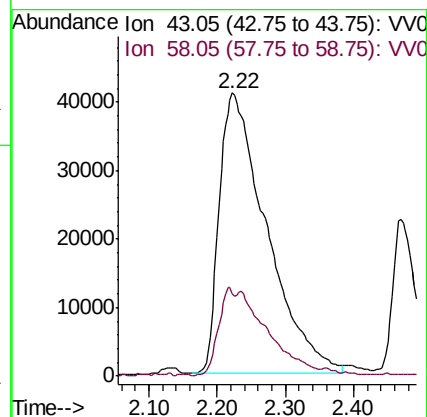
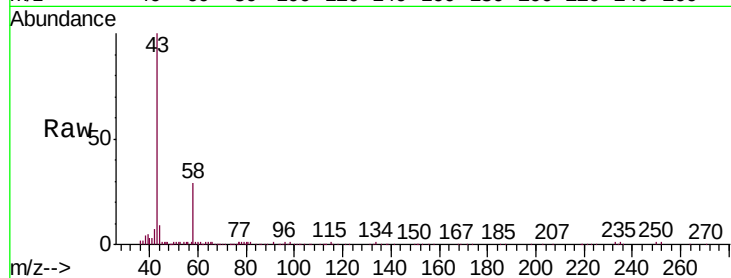
VSTD00538

Tgt Ion: 43 Resp: 197440

Ion Ratio Lower Upper

43 100

58 10.6 0.0 17.0



#14

Carbon disulfide

Concen: 5.036 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013650.D

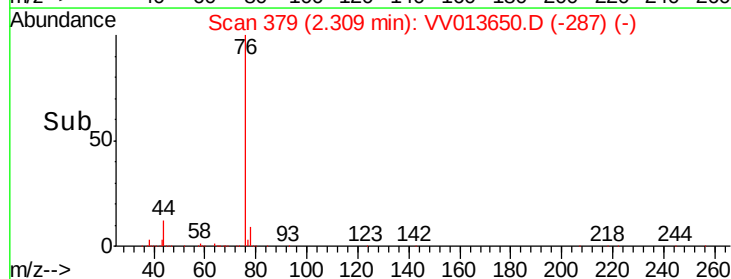
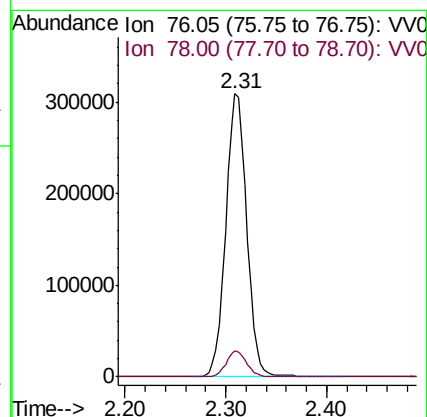
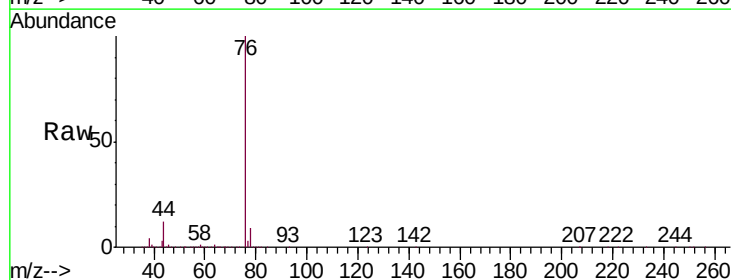
Acq: 18 Nov 2019 10:43

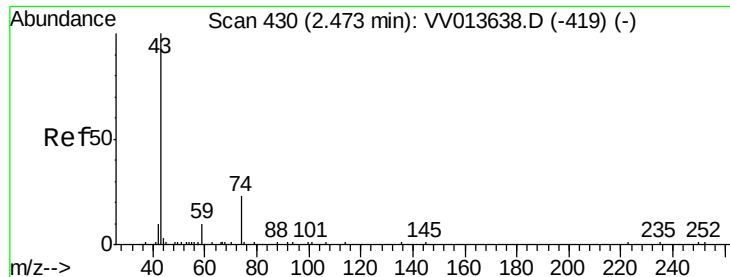
Tgt Ion: 76 Resp: 451045

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

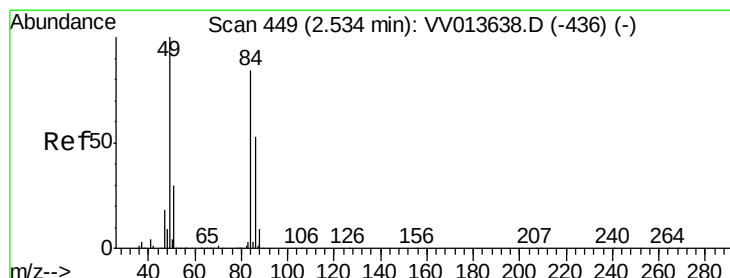
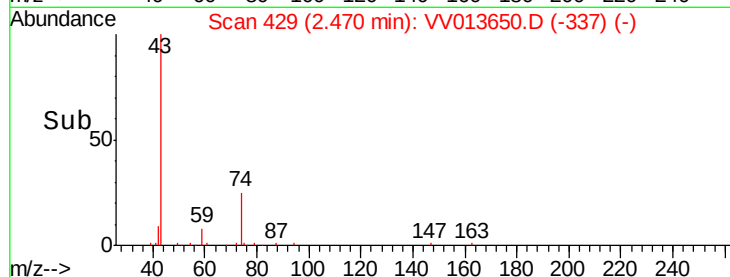
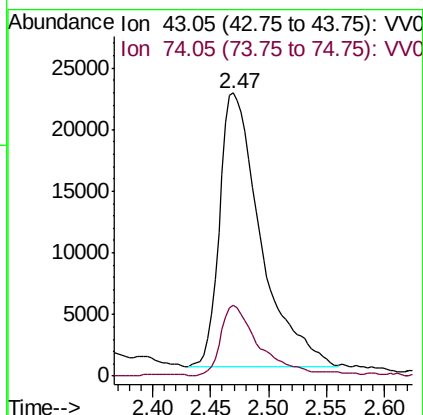
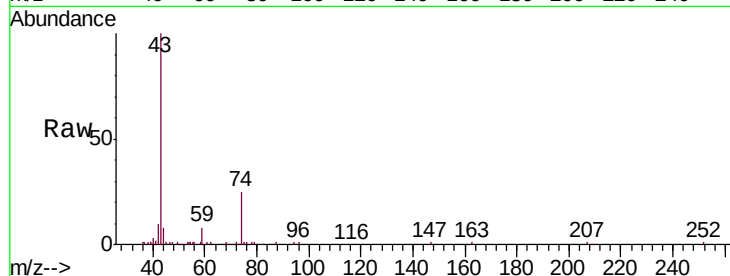




#15
Methyl Acetate
Concen: 4.902 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

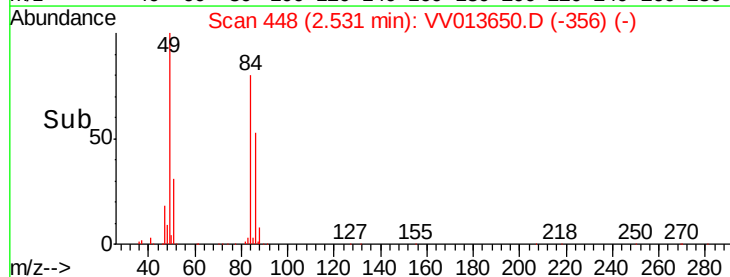
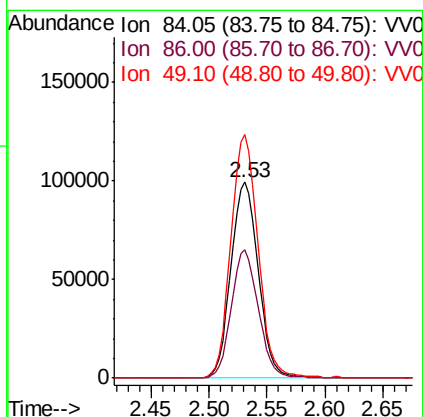
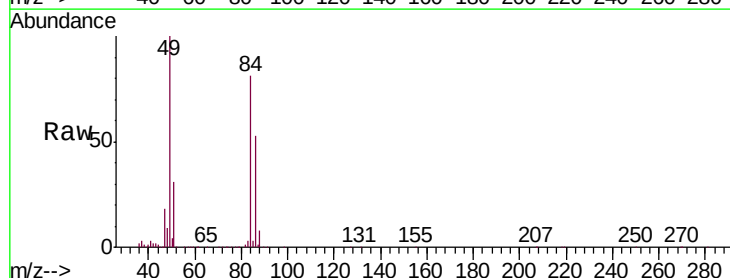
Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

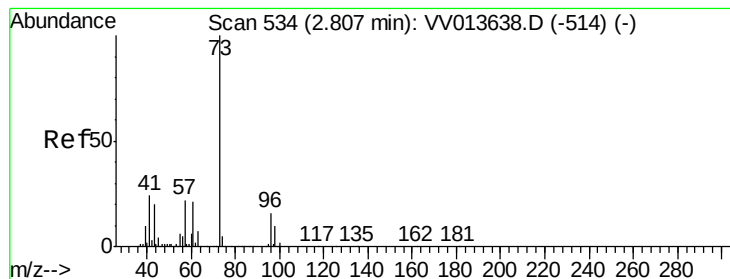
Tgt Ion: 43 Resp: 54373
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3



#16
Methylene chloride
Concen: 4.521 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 84 Resp: 163126
Ion Ratio Lower Upper
84 100
86 65.3 44.1 81.9
49 124.2 83.4 155.0





#17

Methyl tert-butyl Ether

Concen: 5.012 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

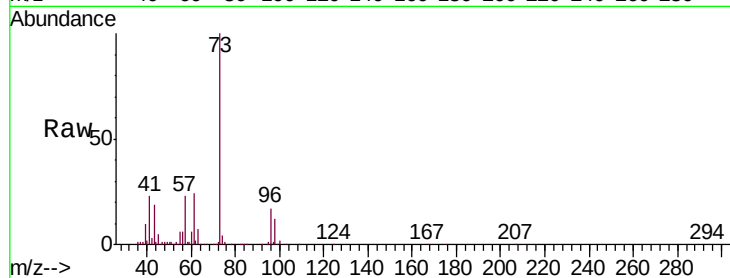
Tgt Ion: 73 Resp: 332321

Ion Ratio Lower Upper

73 100

43 19.8 15.4 23.0

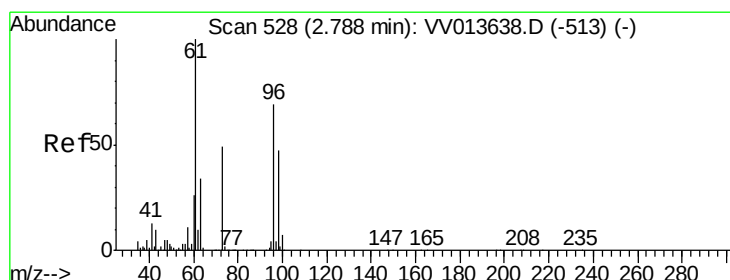
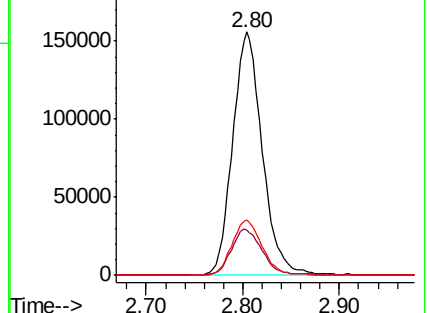
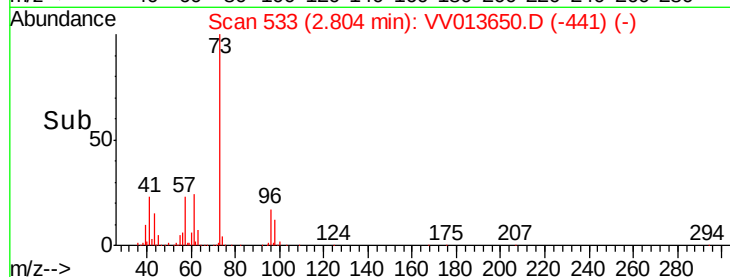
57 22.7 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV013638.D (-514) (-)

Ion 43.05 (42.75 to 43.75): VV013638.D (-514) (-)

Ion 57.10 (56.80 to 57.80): VV013638.D (-514) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.100 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

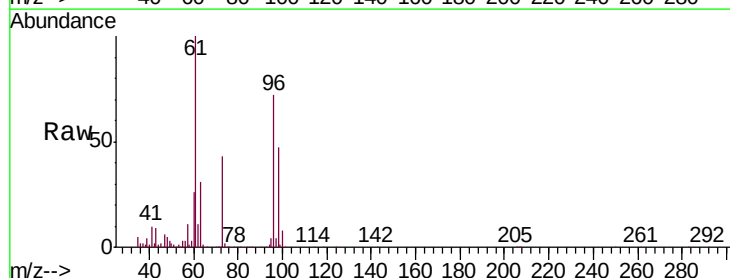
Tgt Ion: 96 Resp: 163263

Ion Ratio Lower Upper

96 100

61 139.6 101.0 187.6

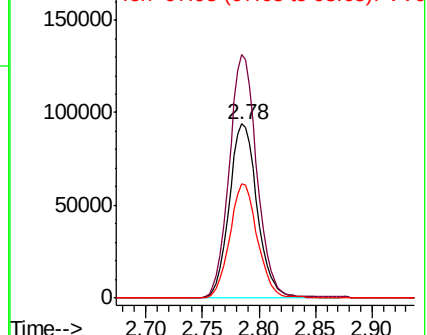
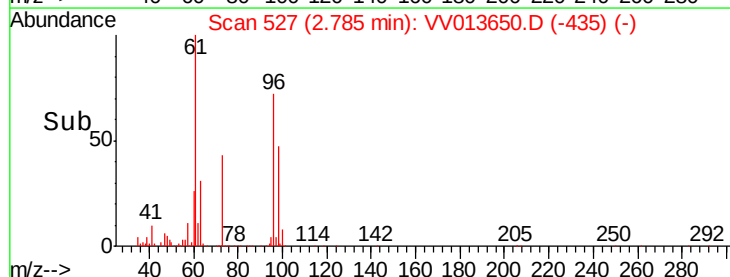
98 65.5 47.0 87.2

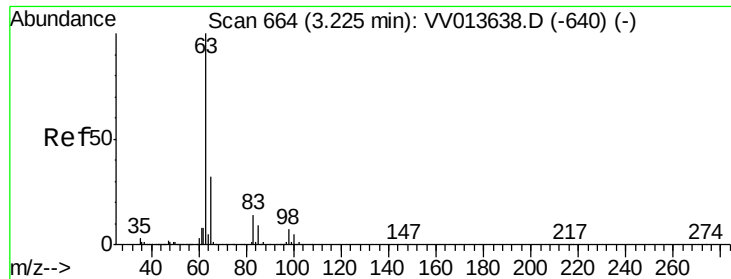


Abundance Ion 96.00 (95.70 to 96.70): VV013638.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV013638.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV013638.D (-513) (-)

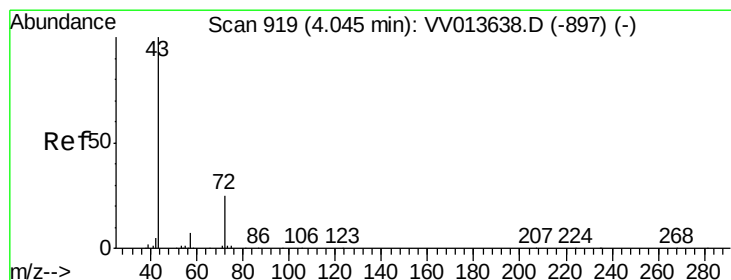
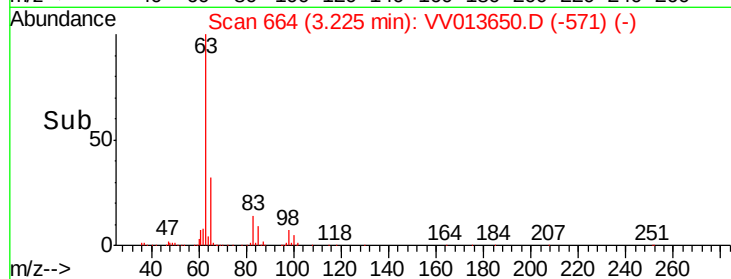
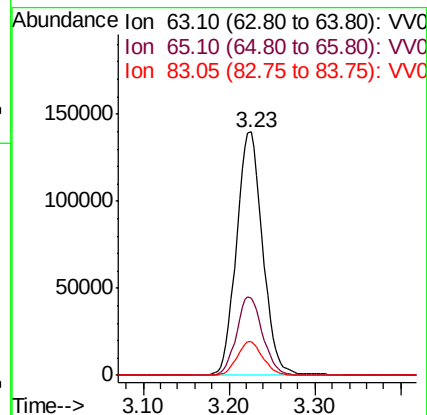
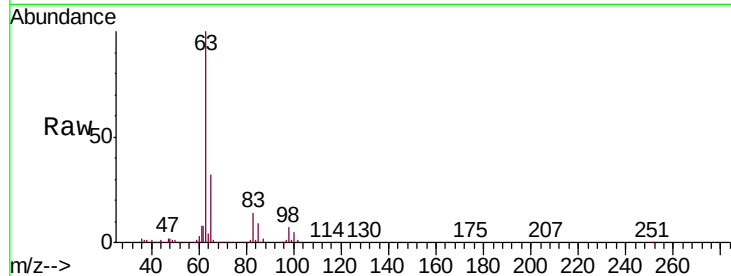




#19
 1,1-Dichloroethane
 Concen: 5.137 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

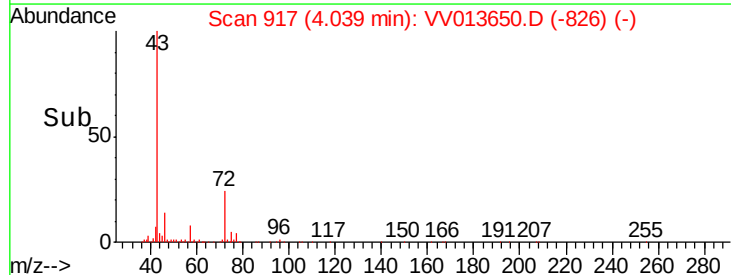
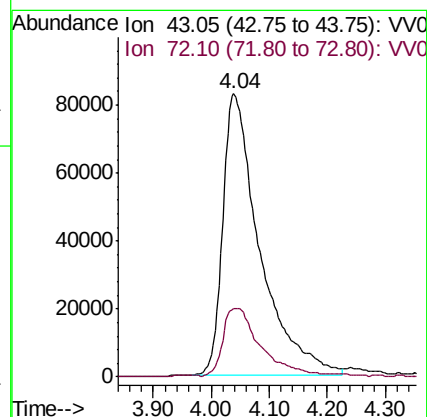
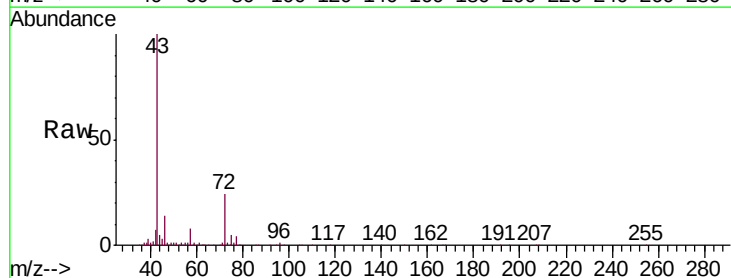
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

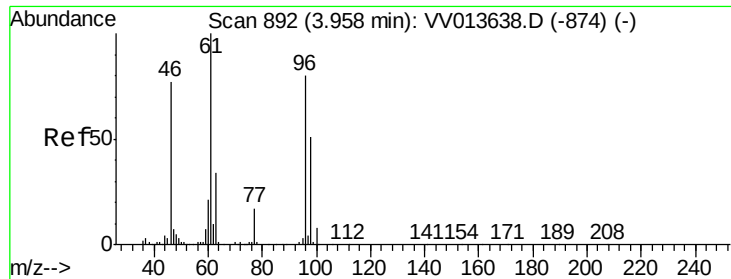
Tgt Ion: 63 Resp: 293688
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 13.9 9.7 17.9



#21
 2-Butanone
 Concen: 55.669 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Tgt Ion: 43 Resp: 365614
 Ion Ratio Lower Upper
 43 100
 72 24.6 11.6 34.8



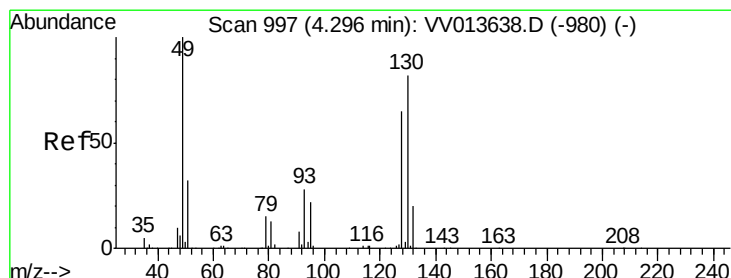
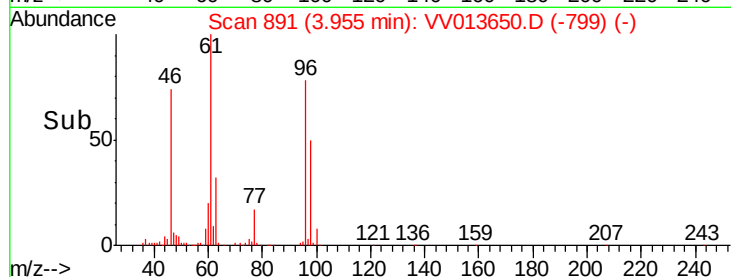
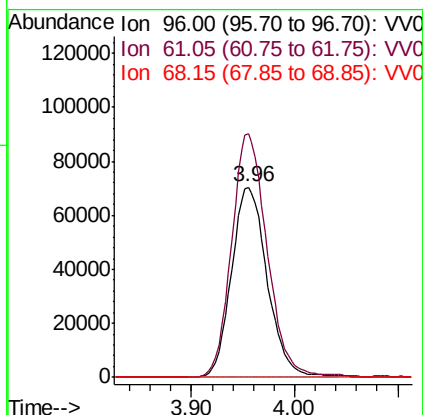
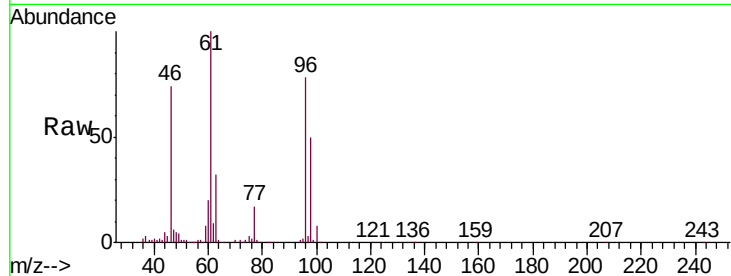


#22

cis-1,2-Dichloroethene
 Concen: 5.111 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

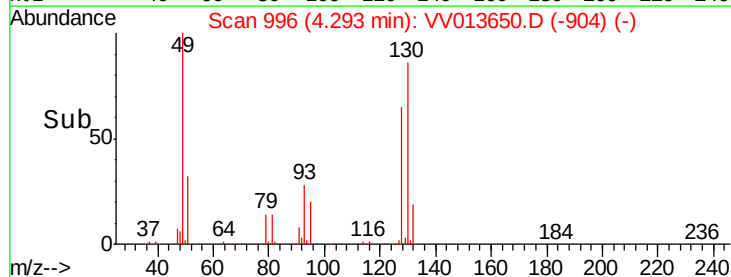
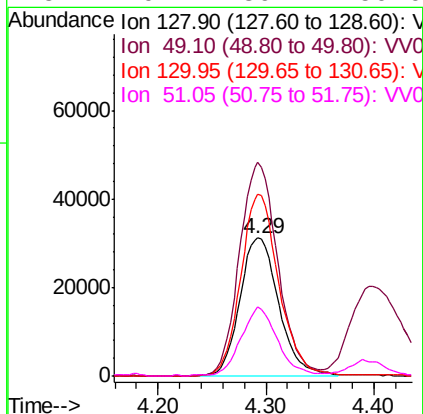
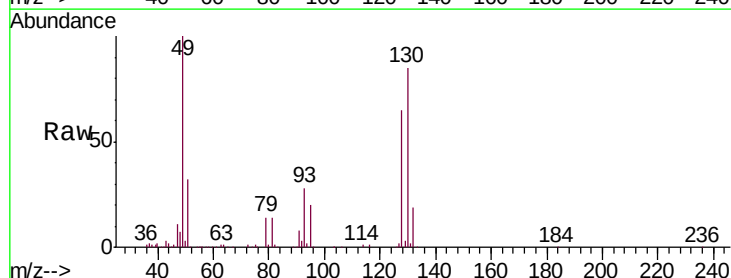
Tgt Ion: 96 Resp: 169823
 Ion Ratio Lower Upper
 96 100
 61 127.9 87.7 162.9
 68 0.0 0.1 0.3#

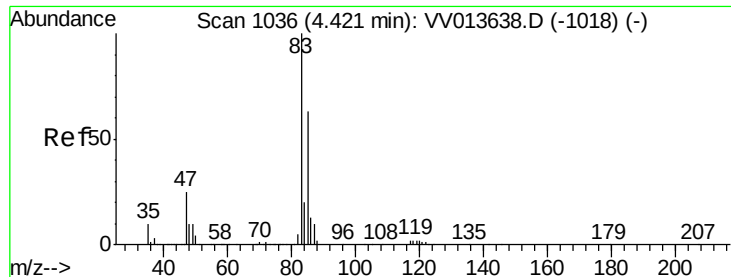


#23

Bromochloromethane
 Concen: 5.129 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Tgt Ion: 128 Resp: 78569
 Ion Ratio Lower Upper
 128 100
 49 154.6 107.2 199.0
 130 131.9 87.9 163.3
 51 49.7 39.4 59.0

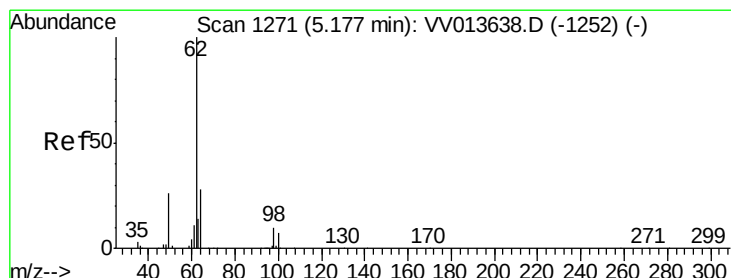
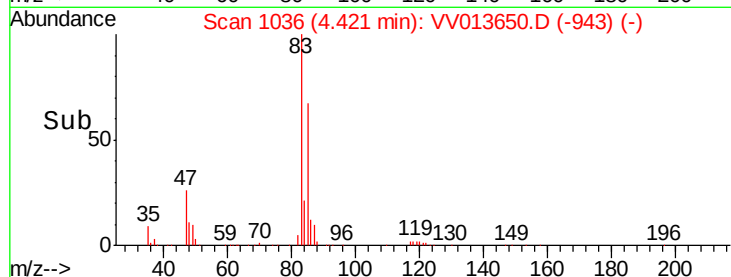
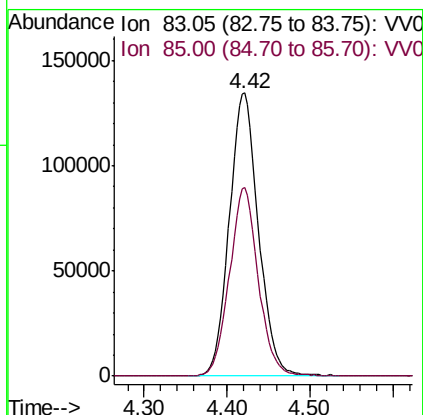
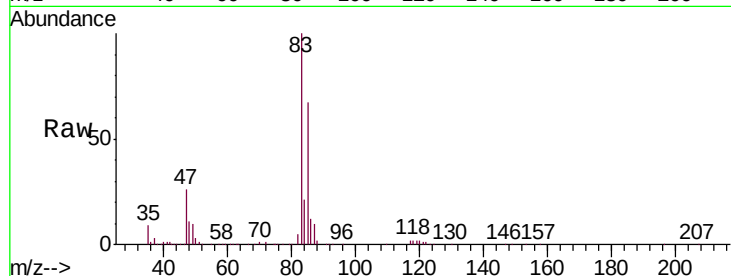




#25
Chloroform
Concen: 4.252 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

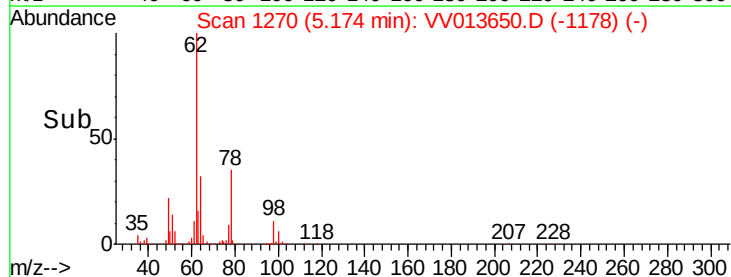
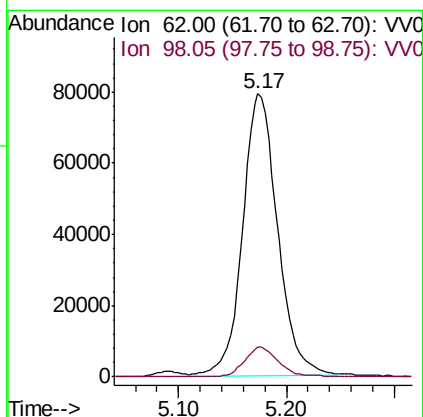
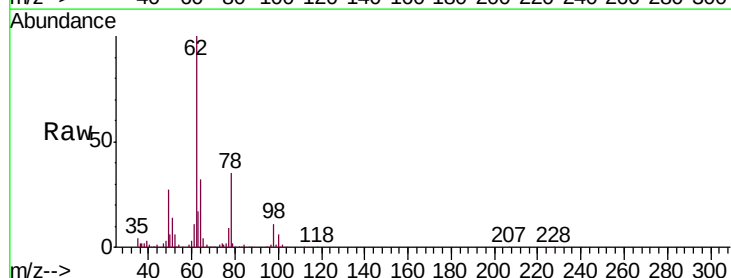
Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

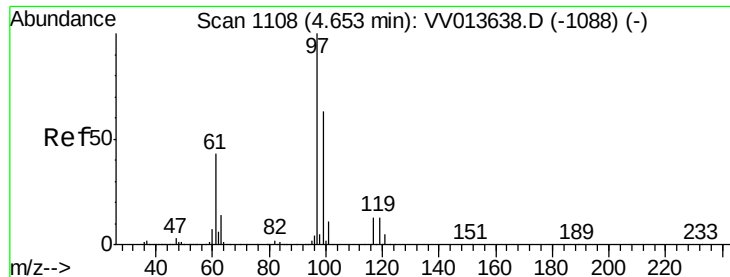
Tgt Ion: 83 Resp: 329242
Ion Ratio Lower Upper
83 100
85 66.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.158 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 62 Resp: 177437
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.2

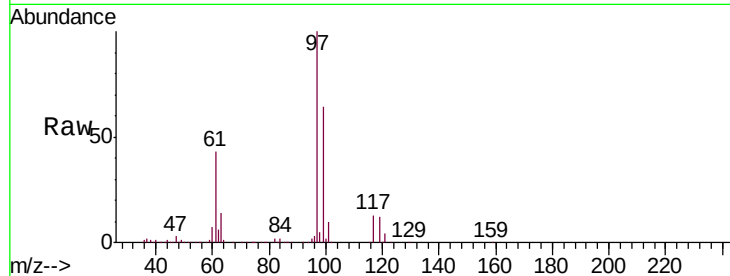




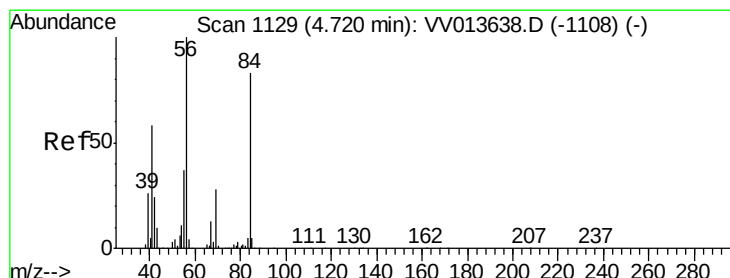
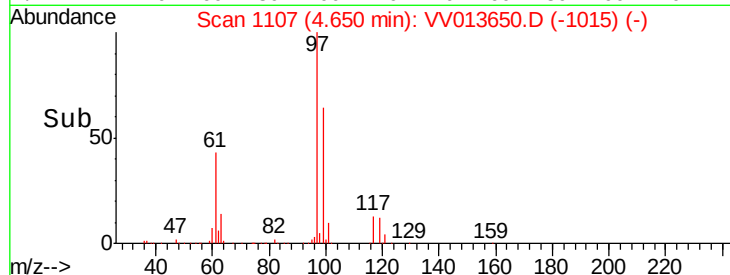
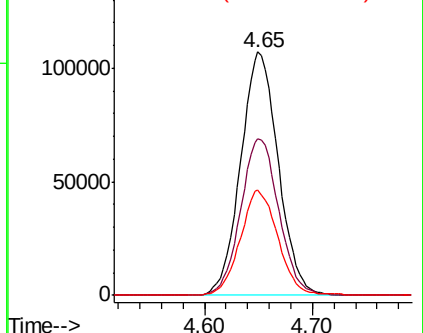
#29
 1,1,1-Trichloroethane
 Concen: 5.198 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion: 97 Resp: 259934
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.6 79.0
 61 42.4 34.7 52.1

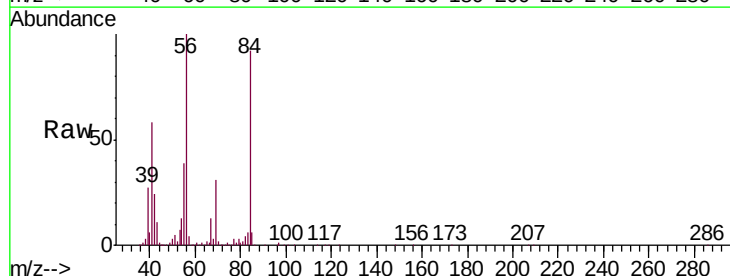


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

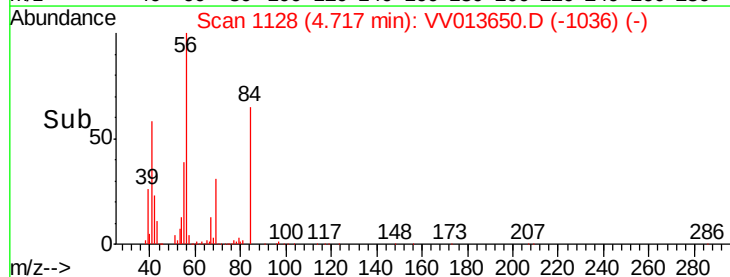
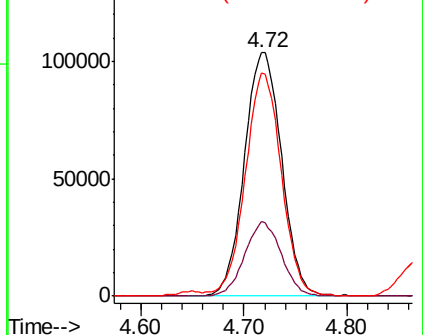


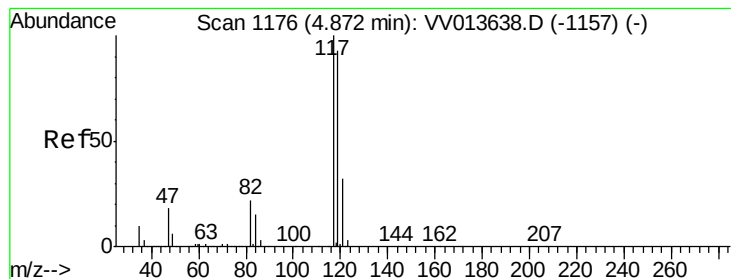
#30
 Cyclohexane
 Concen: 5.235 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Tgt Ion: 56 Resp: 260475
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.8 35.8
 84 88.7 69.1 103.7



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: 5.289 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

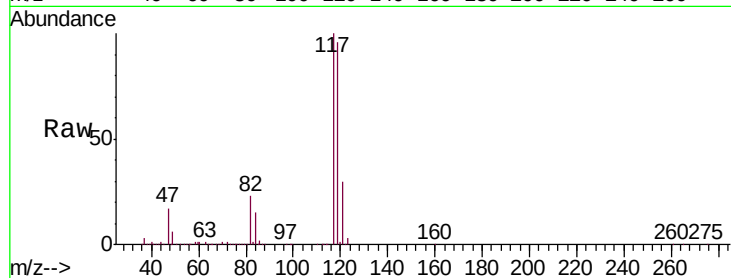
VSTD00538

Tgt Ion:117 Resp: 238964

Ion Ratio Lower Upper

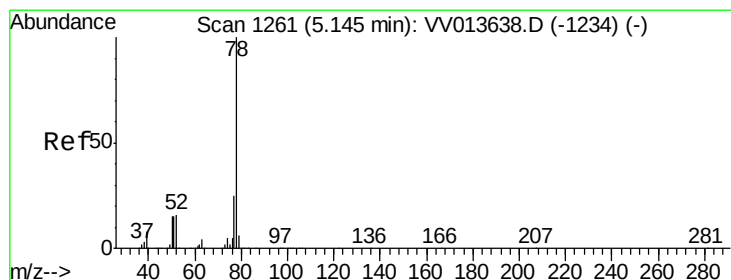
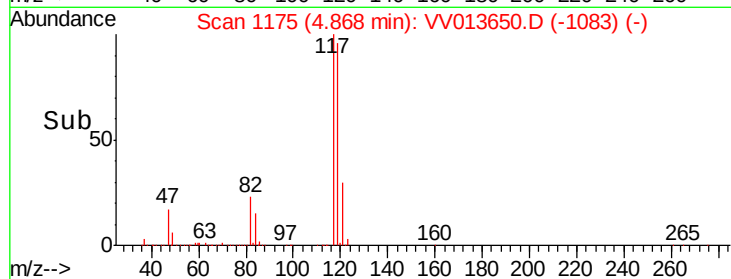
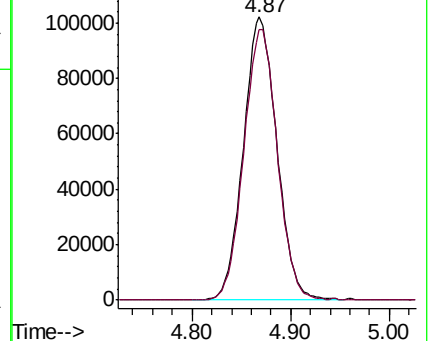
117 100

119 95.9 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.255 ug/L

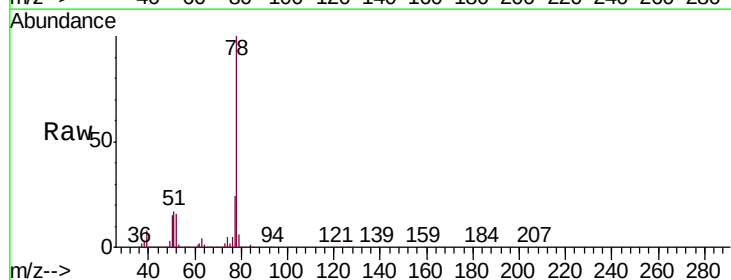
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

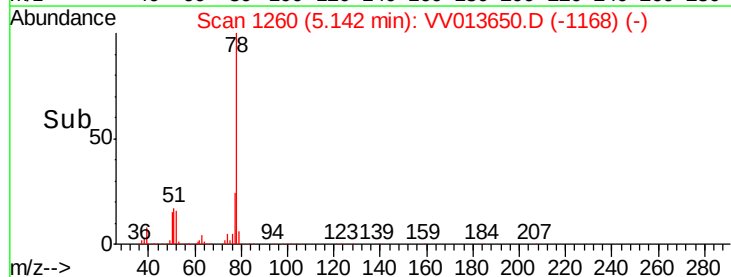
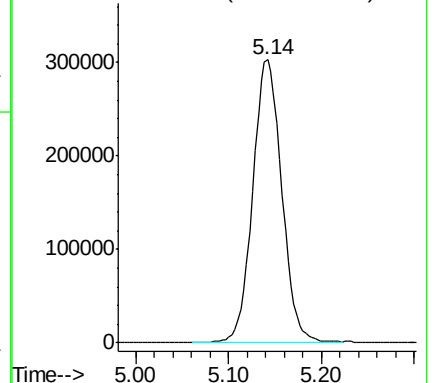
Lab File: VV013650.D

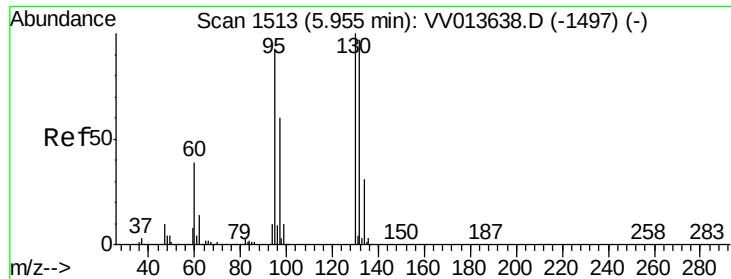
Acq: 18 Nov 2019 10:43

Tgt Ion: 78 Resp: 658096



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.194 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

Tgt Ion: 95 Resp: 174105

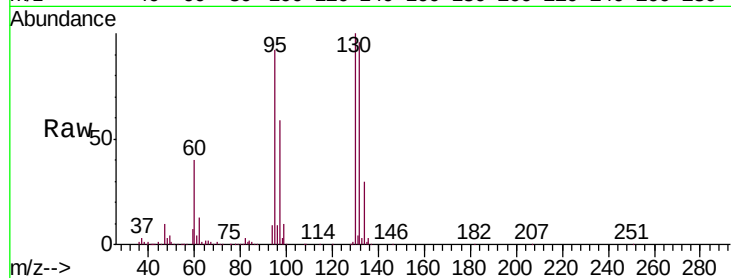
Ion Ratio Lower Upper

95 100

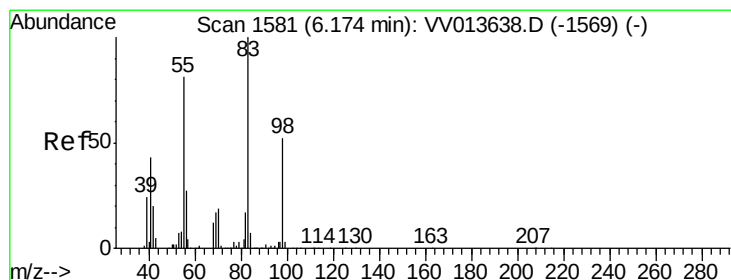
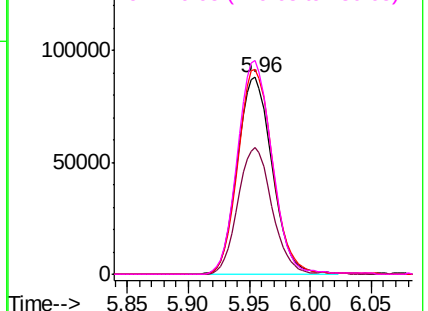
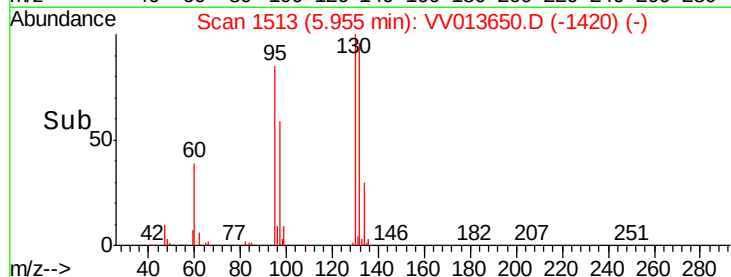
97 64.3 44.8 83.2

132 104.3 72.9 135.3

130 108.5 75.1 139.5



Abundance Ion 95.00 (94.70 to 95.70): VV013650.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.357 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

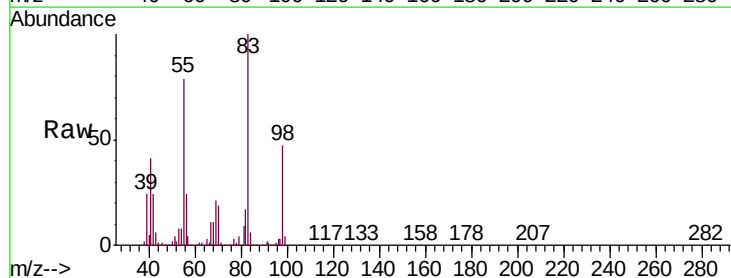
Tgt Ion: 83 Resp: 273896

Ion Ratio Lower Upper

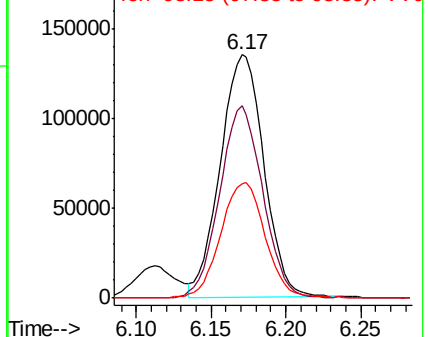
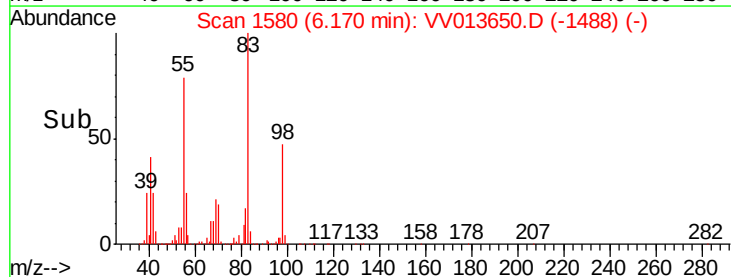
83 100

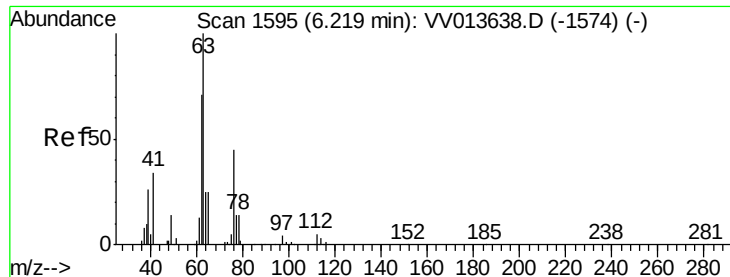
55 78.4 64.1 96.1

98 48.2 38.2 57.2



Abundance Ion 83.15 (82.85 to 83.85): VV013650.D (-1488) (-)

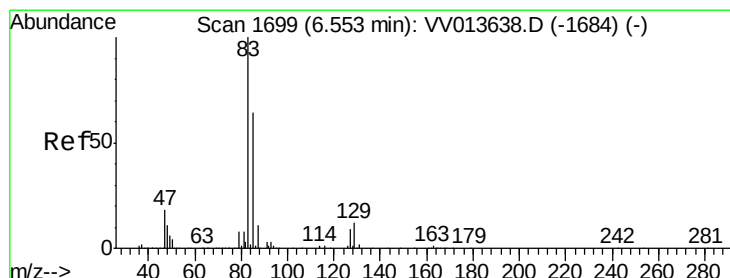
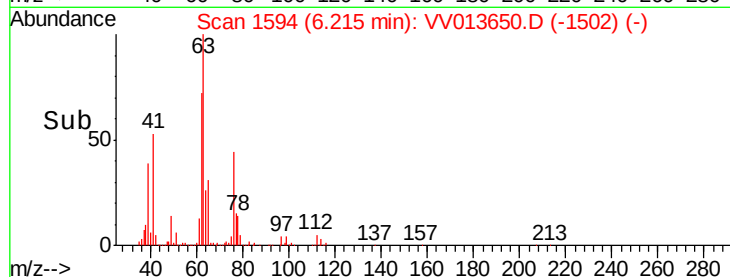
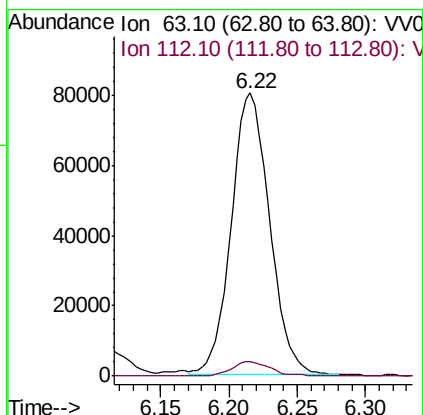
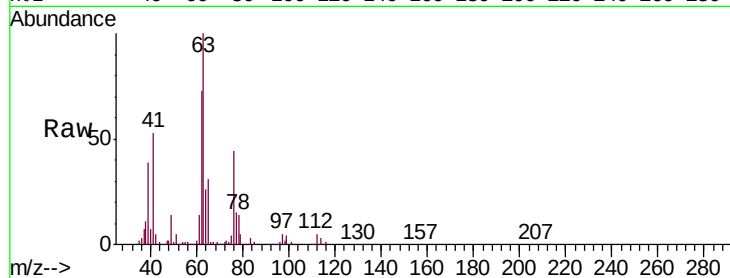




#37
 1,2-Dichloropropane
 Concen: 5.209 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

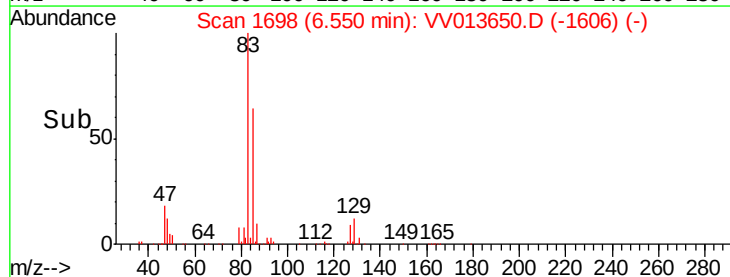
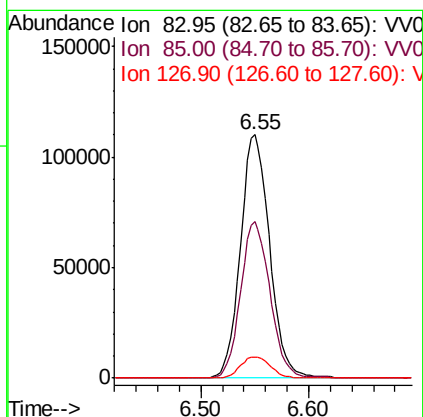
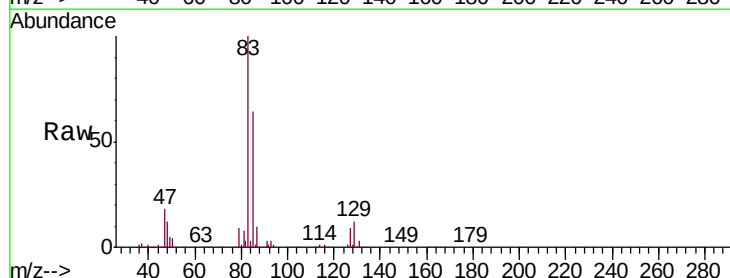
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

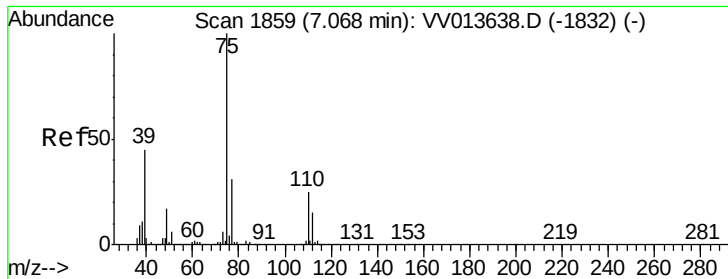
Tgt Ion: 63 Resp: 156217
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.961 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Tgt Ion: 83 Resp: 207475
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.309 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

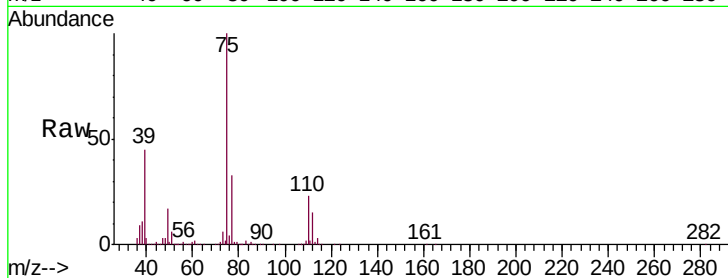
VSTD00538

Tgt Ion: 75 Resp: 228820

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV013650.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV013650.D (-1766) (-)

7.07

150000

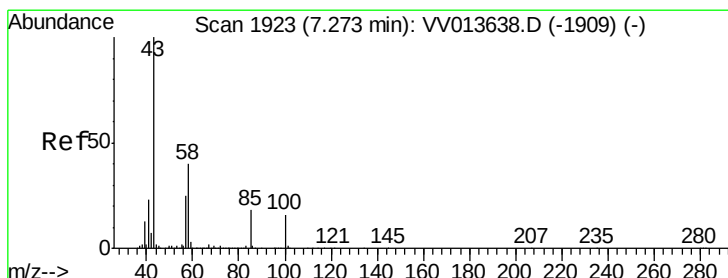
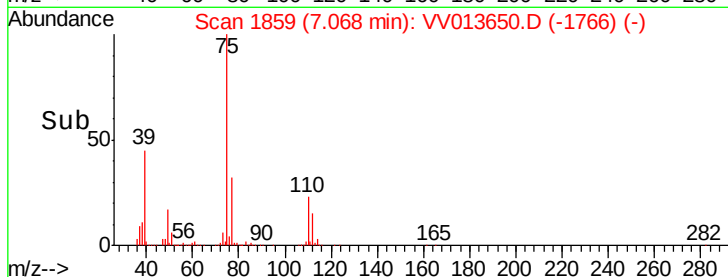
100000

50000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 52.224 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

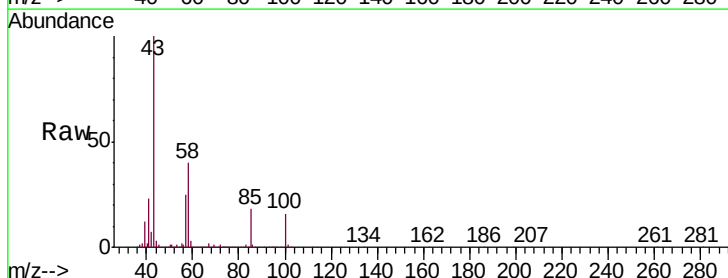
Tgt Ion: 43 Resp: 911095

Ion Ratio Lower Upper

43 100

58 39.5 31.5 47.3

100 15.9 12.2 18.4



Abundance Ion 43.05 (42.75 to 43.75): VV013650.D (-1830) (-)

Ion 58.05 (57.75 to 58.75): VV013650.D (-1830) (-)

Ion 100.15 (99.85 to 100.85): VV013650.D (-1830) (-)

7.27

600000

500000

400000

300000

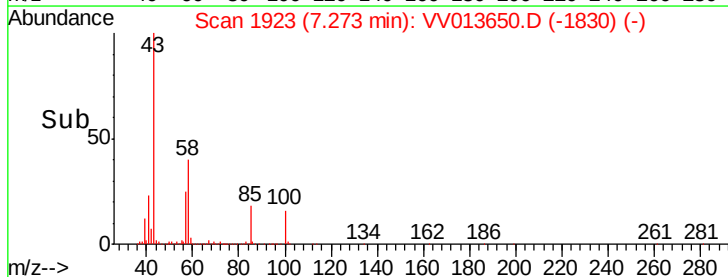
200000

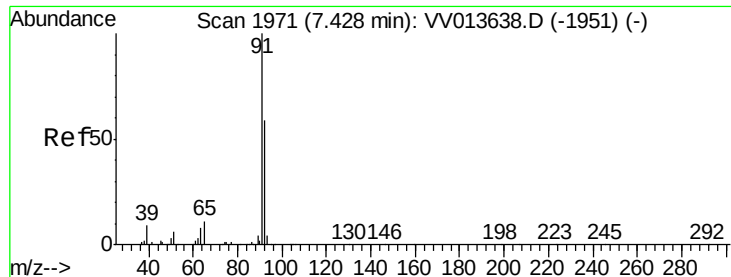
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.357 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

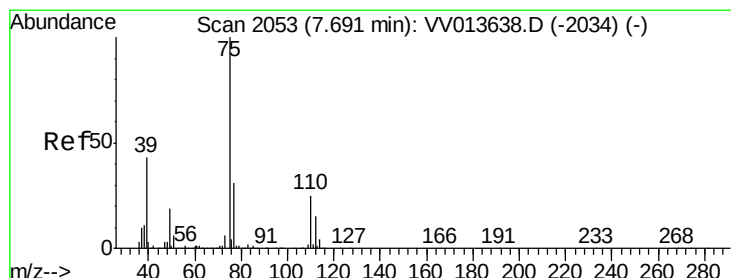
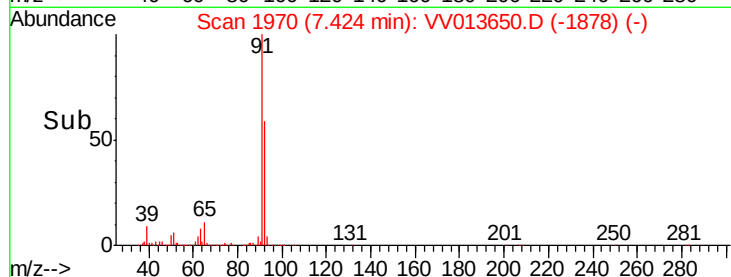
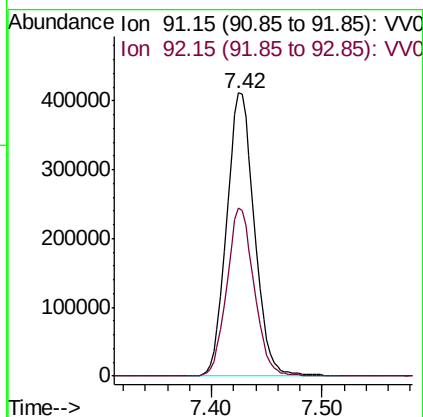
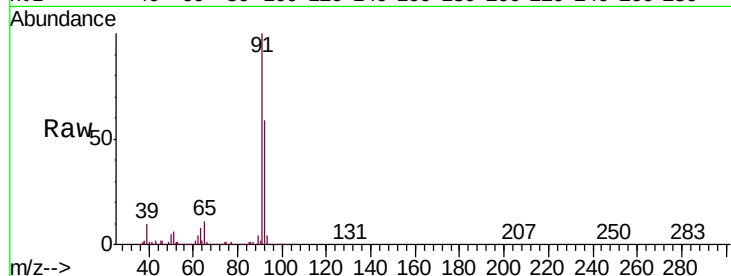
VSTD00538

Tgt Ion: 91 Resp: 716744

Ion Ratio Lower Upper

91 100

92 59.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.210 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013650.D

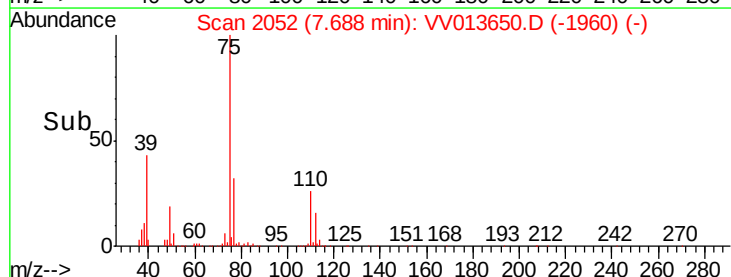
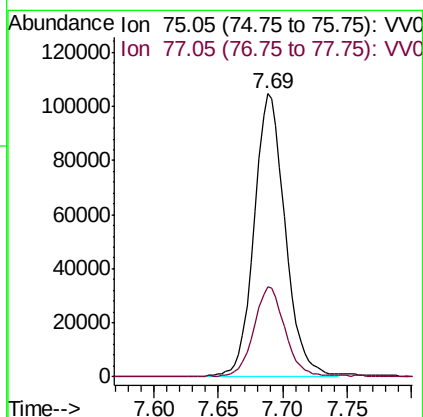
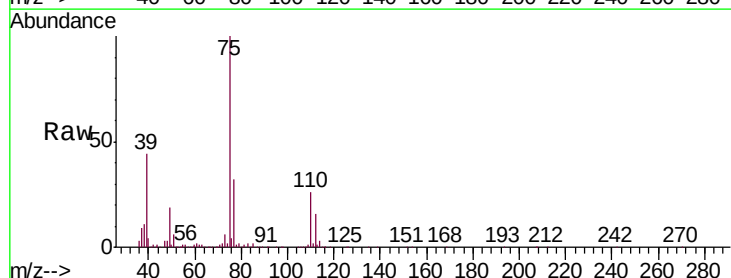
Acq: 18 Nov 2019 10:43

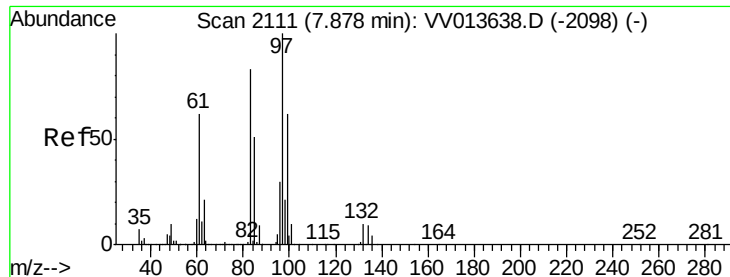
Tgt Ion: 75 Resp: 177003

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2

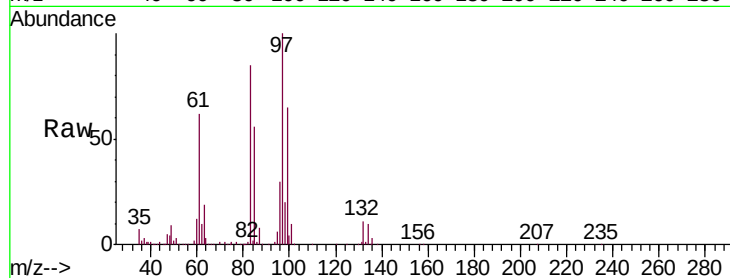




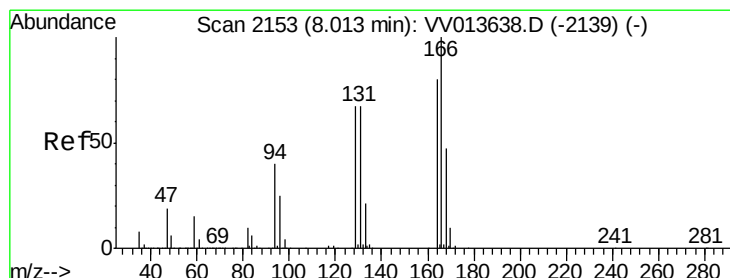
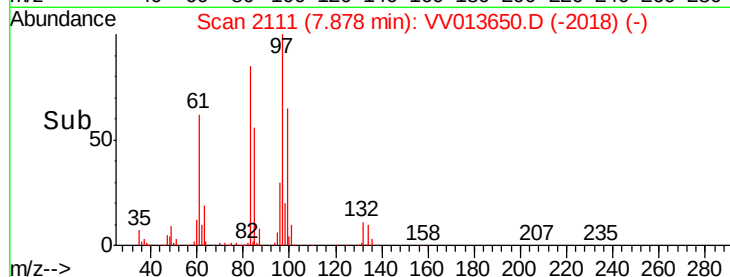
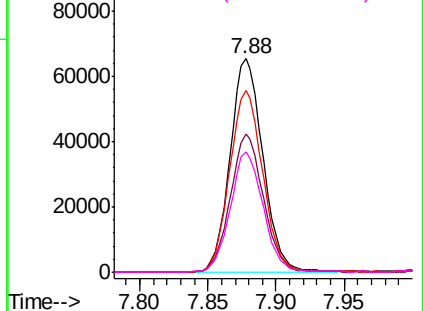
#45
1,1,2-Trichloroethane
Concen: 5.071 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion:	97	Resp:	109654
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.8	81.3
83	85.3	58.0	107.8
85	56.2	36.0	67.0

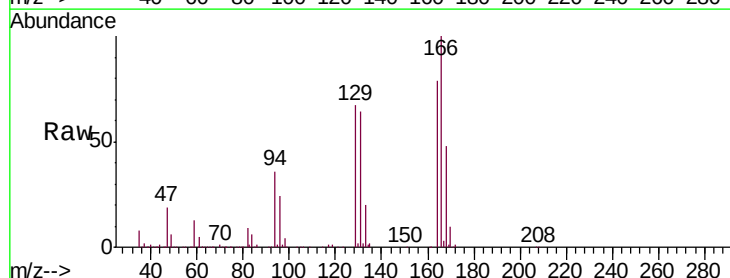


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

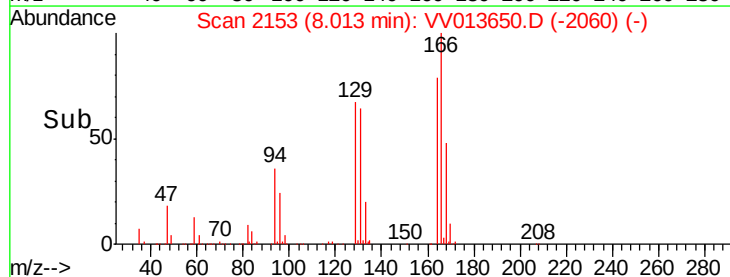
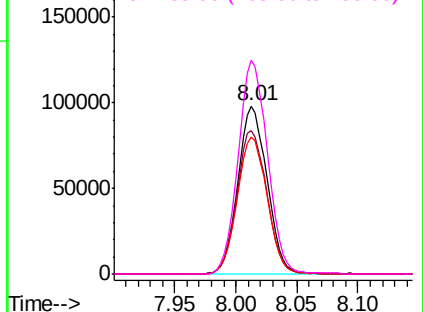


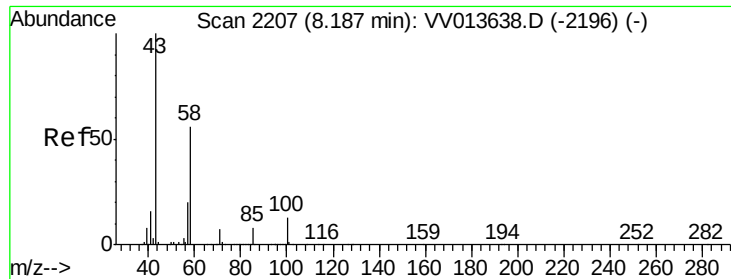
#47
Tetrachloroethene
Concen: 5.213 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:	164	Resp:	161918
Ion	Ratio	Lower	Upper
164	100		
129	85.4	59.1	109.9
131	81.6	58.9	109.5
166	127.1	87.8	163.2



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

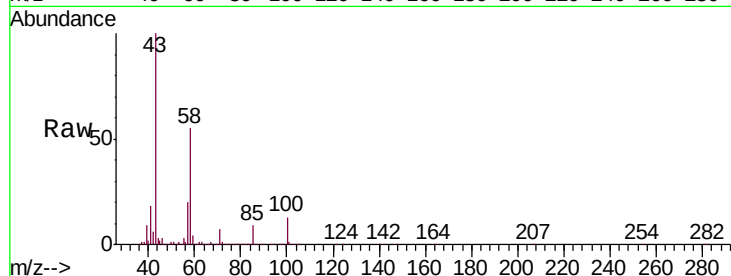




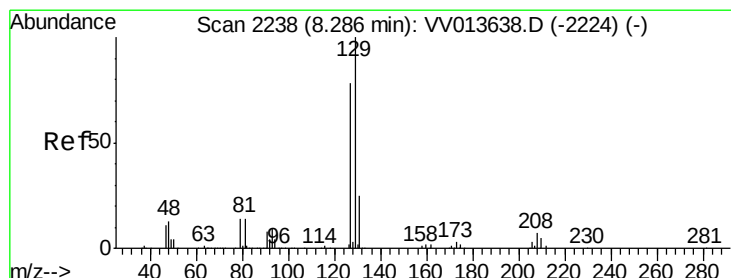
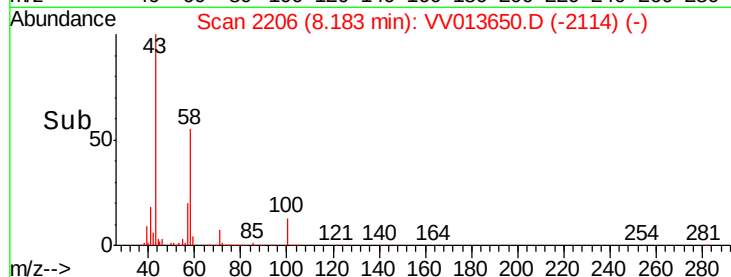
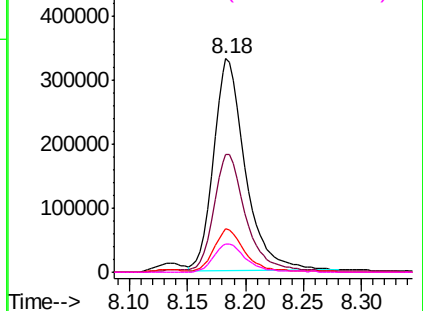
#48
2-Hexanone
Concen: 51.535 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion:	43	Resp:	637657
Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.0	64.6
57	19.3	15.4	23.2
100	13.9	10.1	15.1

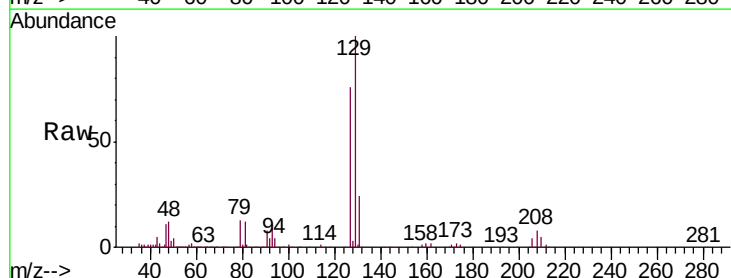


Abundance Ion 43.05 (42.75 to 43.75): VV013638.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV013638.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV013638.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV013638.D (-2196) (-)

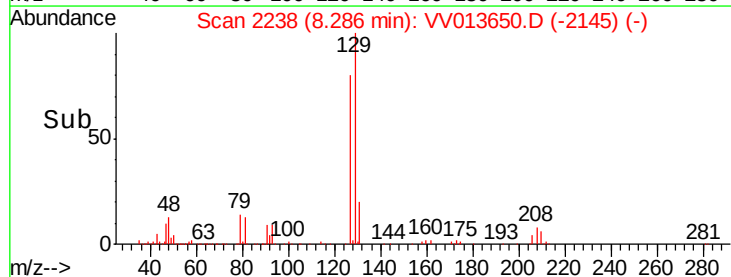
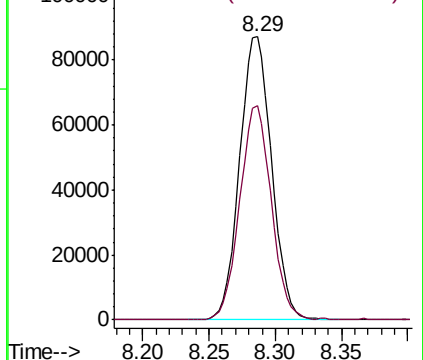


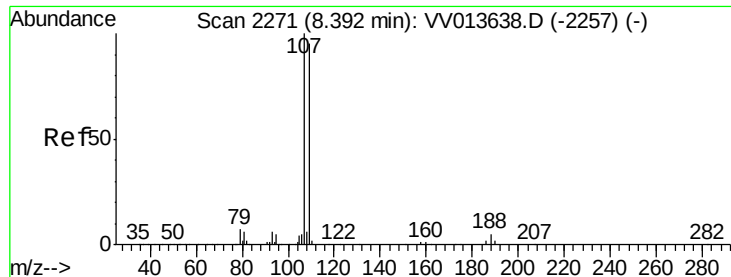
#49
Dibromochloromethane
Concen: 5.336 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:	129	Resp:	146490
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013638.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV013638.D (-2224) (-)

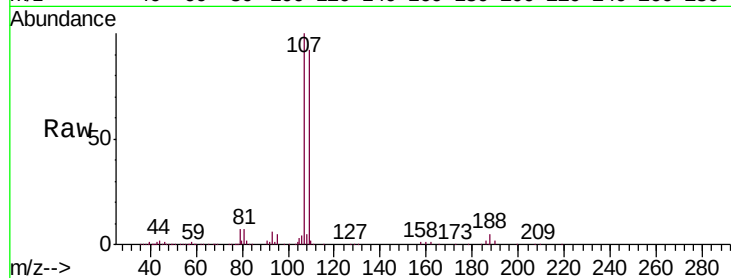




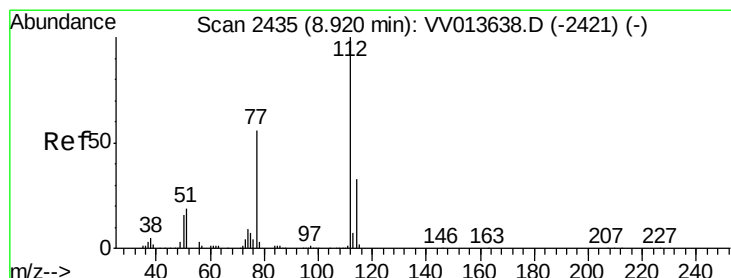
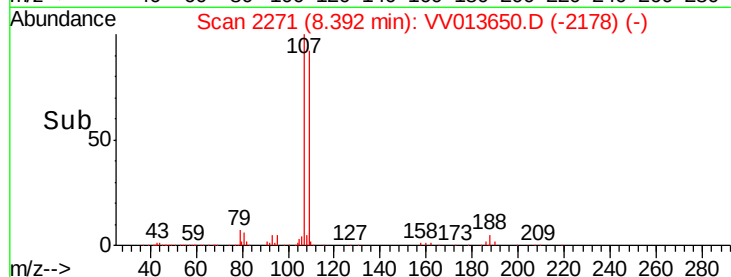
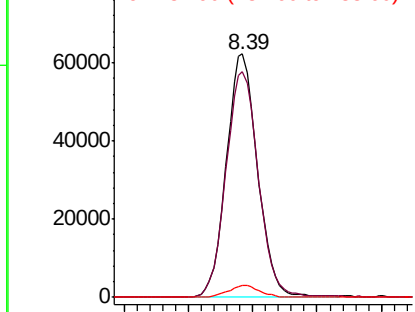
#50
1,2-Dibromoethane
Concen: 5.043 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion:107 Resp: 104749
Ion Ratio Lower Upper
107 100
109 92.5 66.5 123.5
188 4.8 3.6 5.4

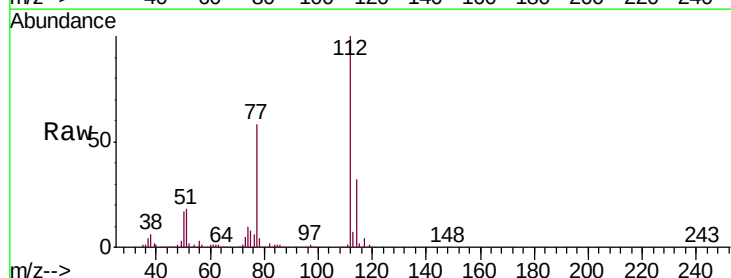


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

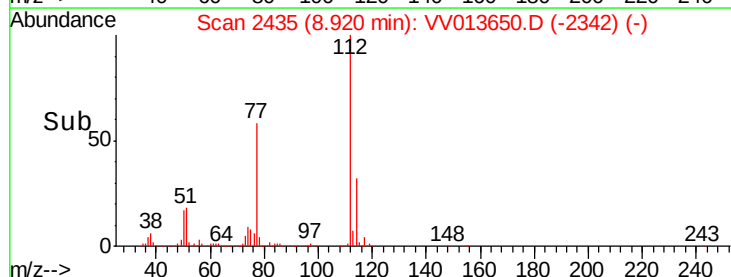
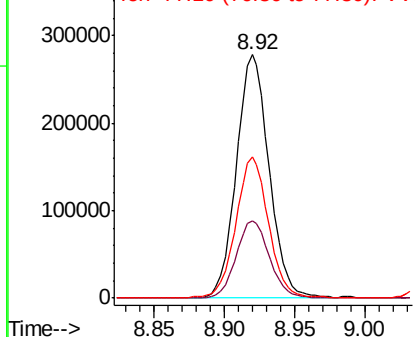


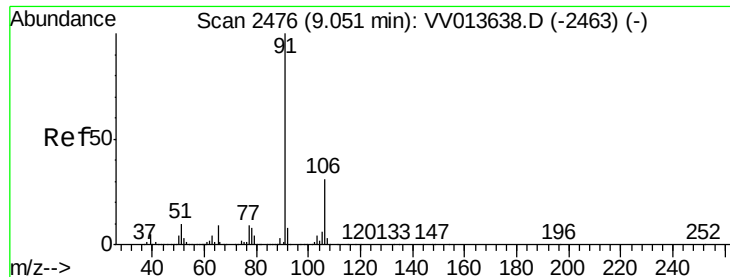
#51
Chlorobenzene
Concen: 5.096 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:112 Resp: 452110
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 57.8 45.0 67.4



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: 5.289 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

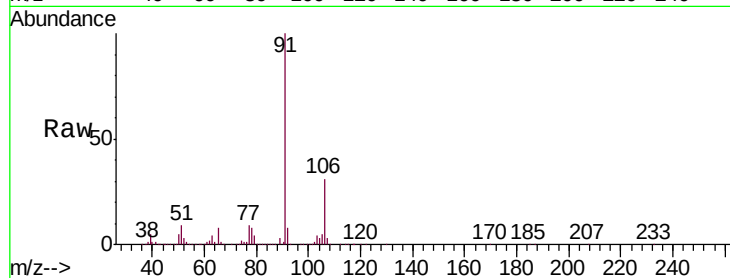
VSTD00538

Tgt Ion: 91 Resp: 754271

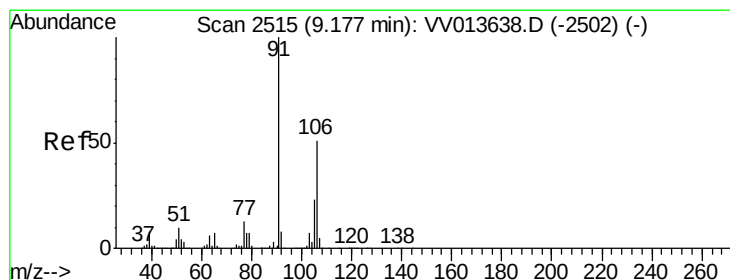
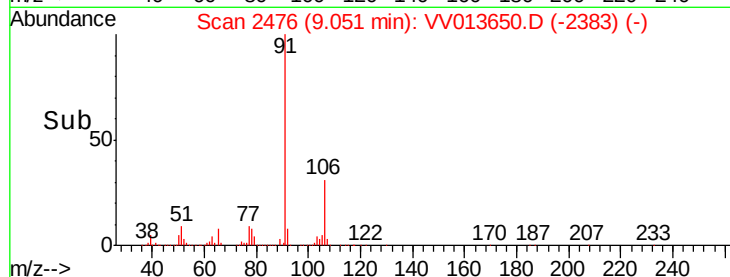
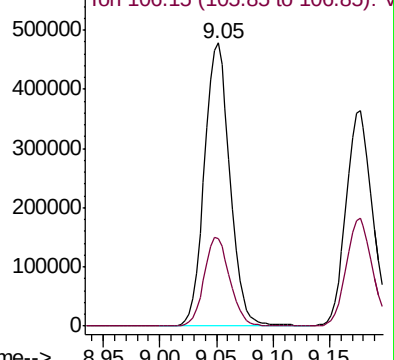
Ion Ratio Lower Upper

91 100

106 31.1 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013638.D (-2463) (-)



#53

m,p-xylene

Concen: 5.463 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013650.D

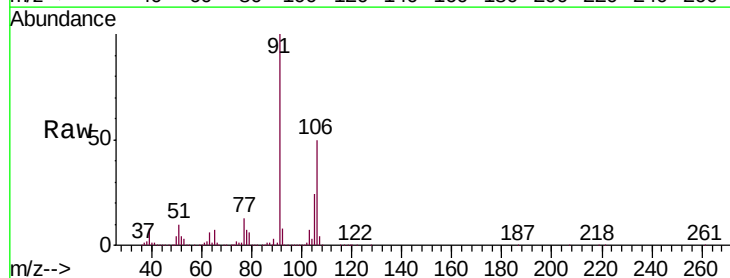
Acq: 18 Nov 2019 10:43

Tgt Ion: 106 Resp: 293864

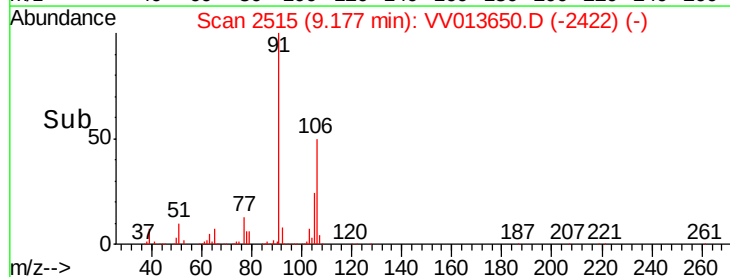
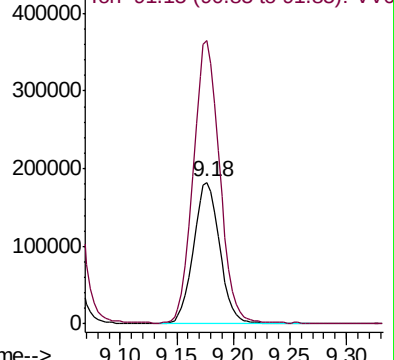
Ion Ratio Lower Upper

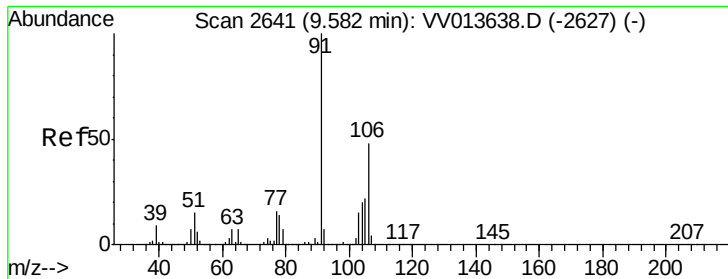
106 100

91 199.5 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013638.D (-2502) (-)

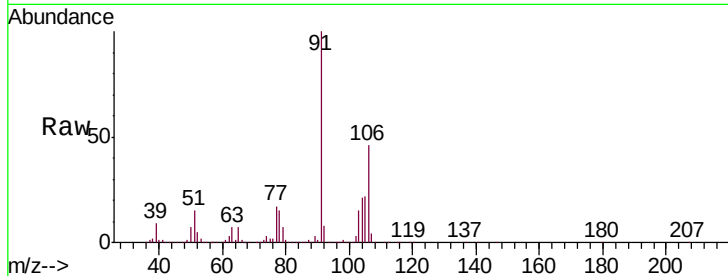




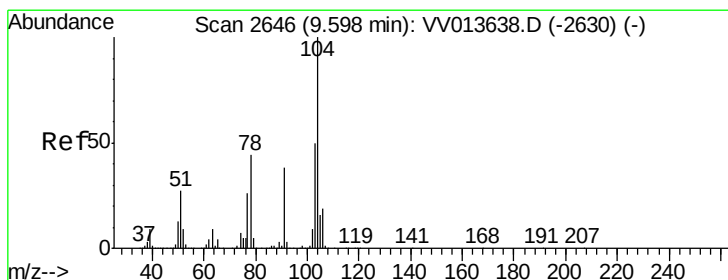
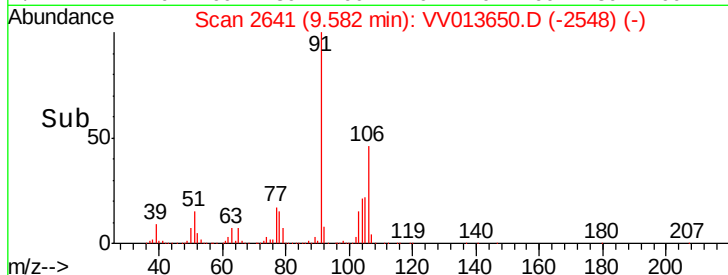
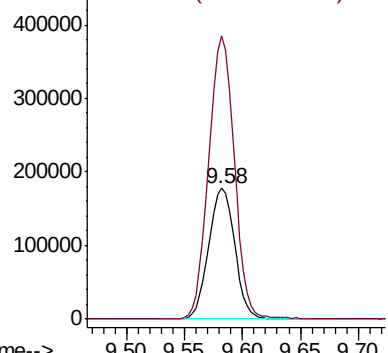
#54
o-xylene
Concen: 5.371 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion:106 Resp: 277881
Ion Ratio Lower Upper
106 100
91 216.4 146.9 272.7

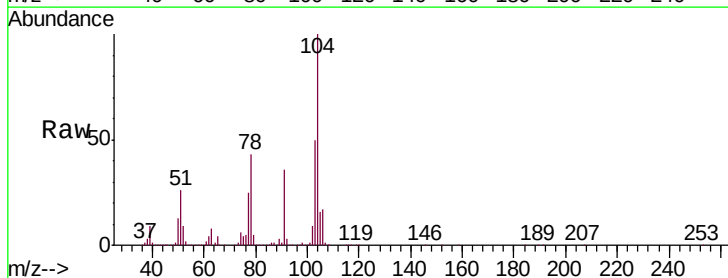


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

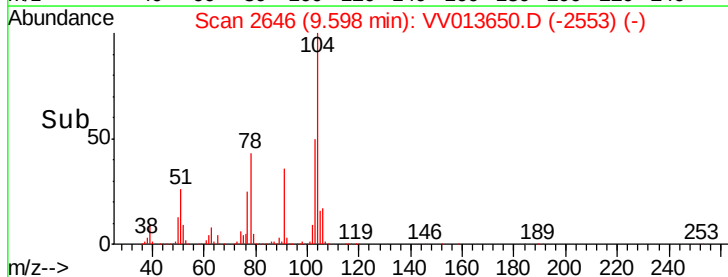
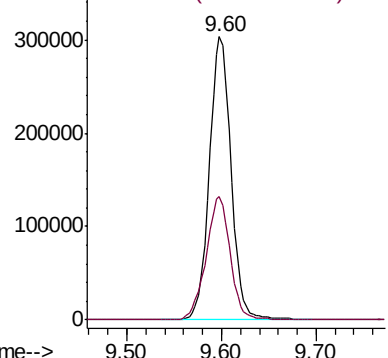


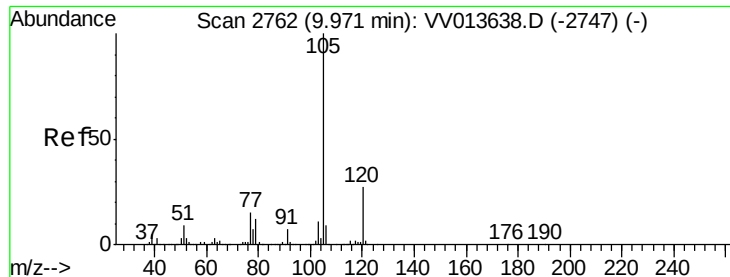
#55
Styrene
Concen: 5.530 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:104 Resp: 483868
Ion Ratio Lower Upper
104 100
78 43.5 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.520 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

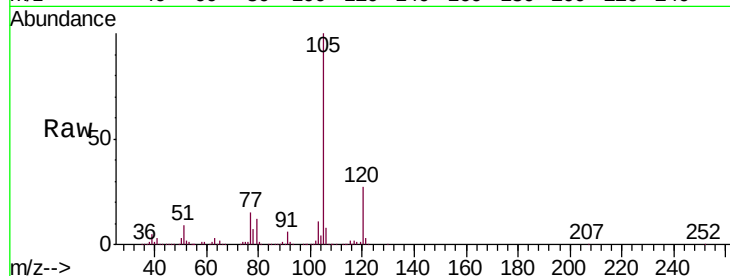
Tgt Ion: 105 Resp: 759336

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

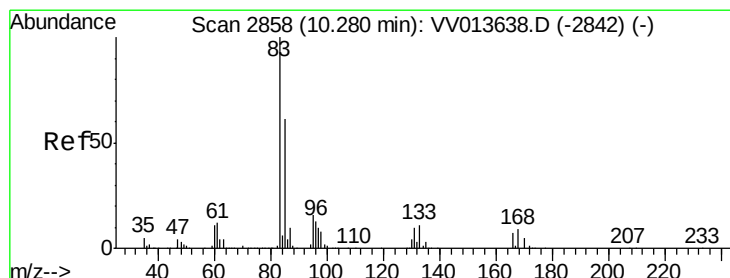
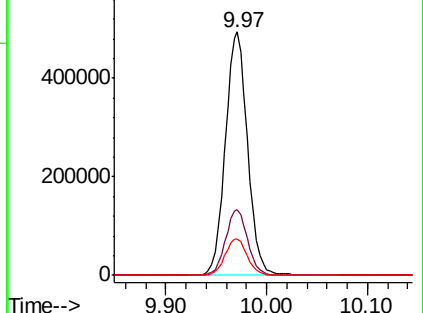
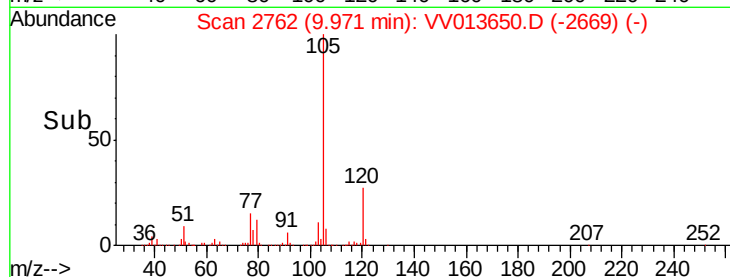
77 15.1 11.9 17.9



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: 5.150 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

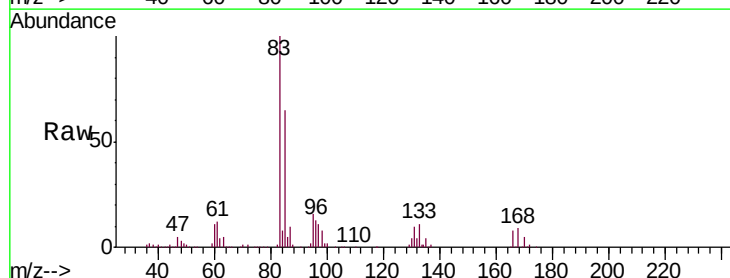
Tgt Ion: 83 Resp: 123537

Ion Ratio Lower Upper

83 100

85 65.5 43.0 80.0

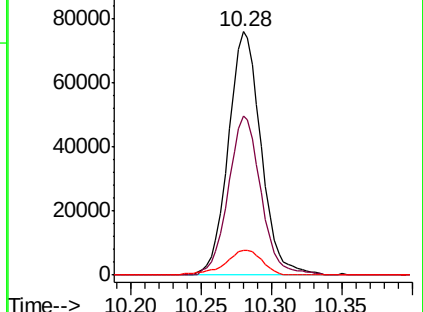
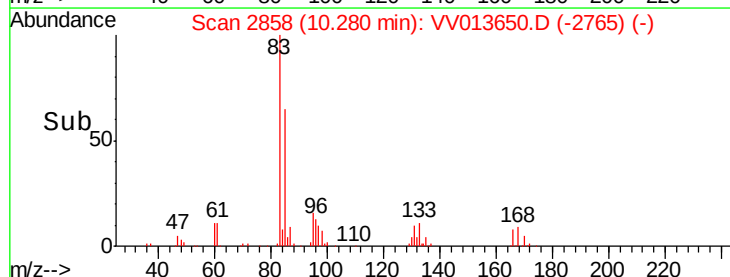
131 10.2 8.3 12.5

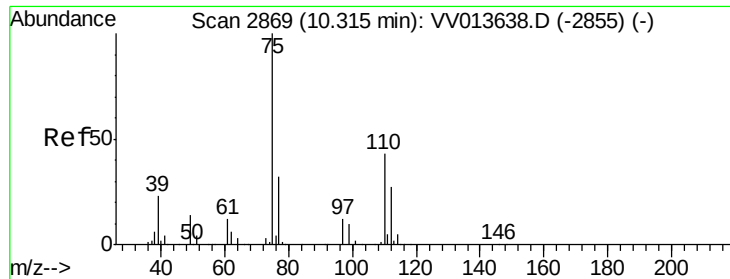


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

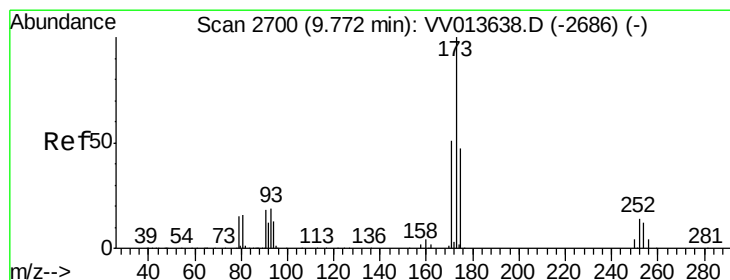
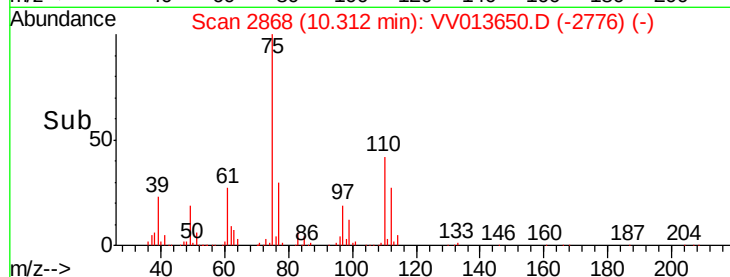
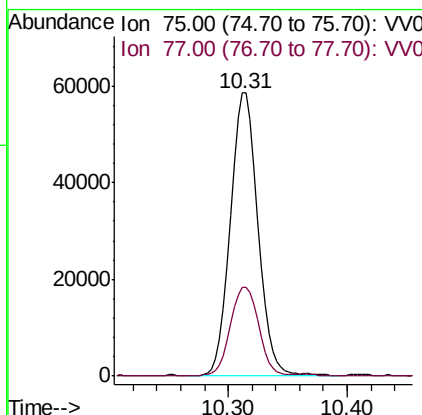
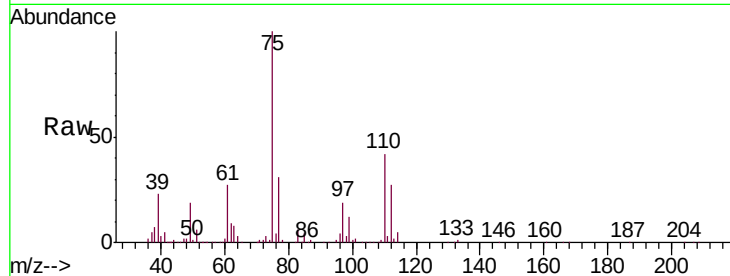




#59
1,2,3-Trichloropropane
Concen: 5.102 ug/L
RT: 10.31 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

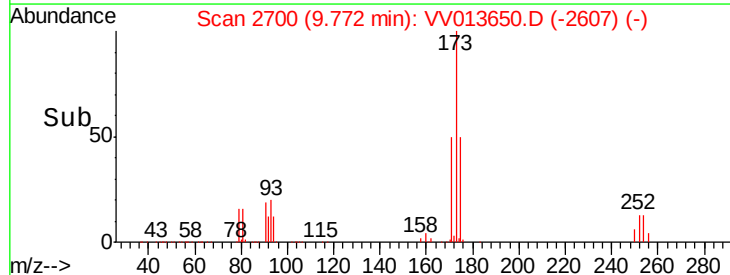
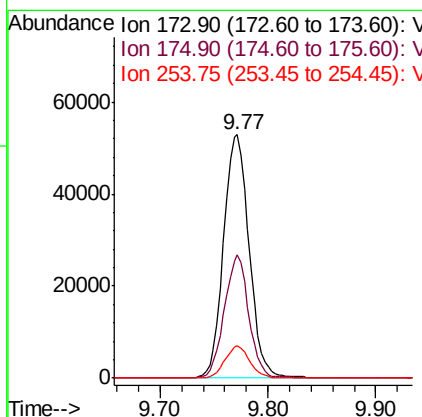
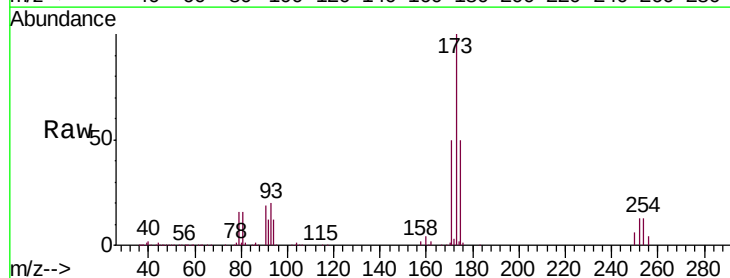
Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

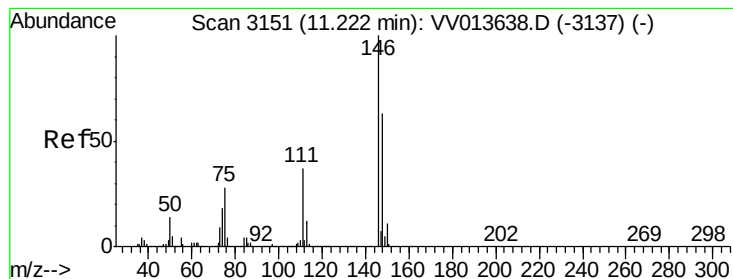
Tgt Ion: 75 Resp: 94569
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4



#61
Bromoform
Concen: 5.181 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 173 Resp: 87278
Ion Ratio Lower Upper
173 100
175 48.0 38.2 57.2
254 12.7 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 5.161 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

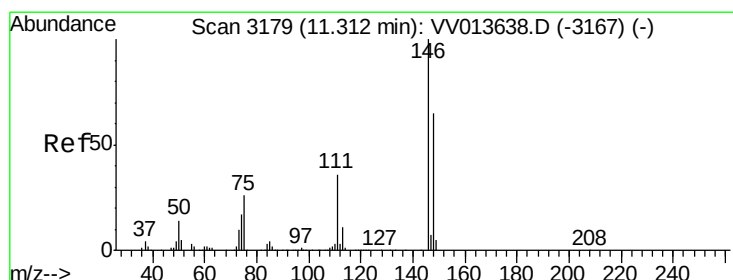
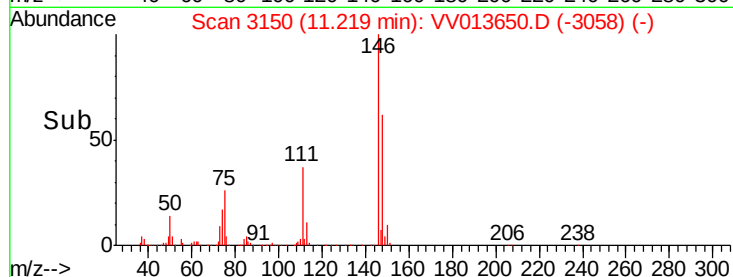
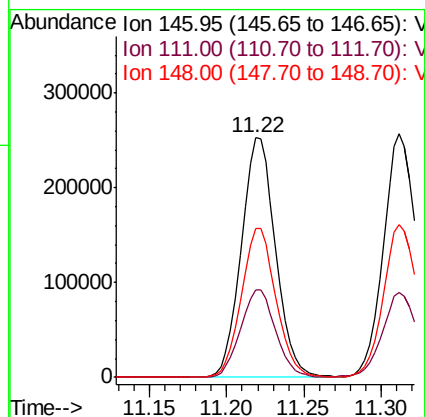
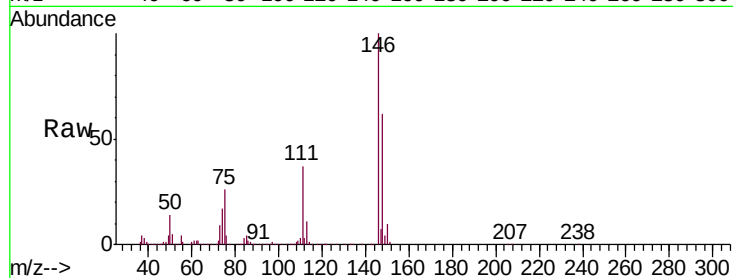
Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

Tgt Ion:	146	Resp:	389225
Ion	Ratio	Lower	Upper
146	100		
111	36.5	26.2	48.6
148	62.3	44.4	82.5



#63

1,4-Dichlorobenzene

Concen: 5.078 ug/L

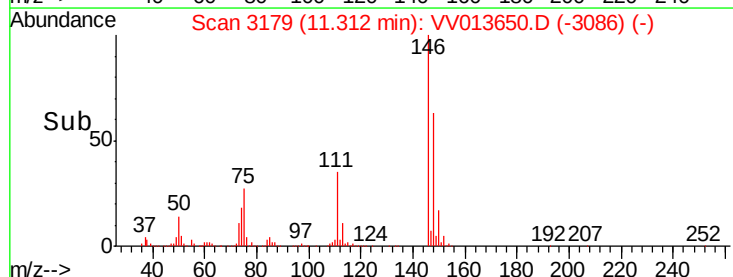
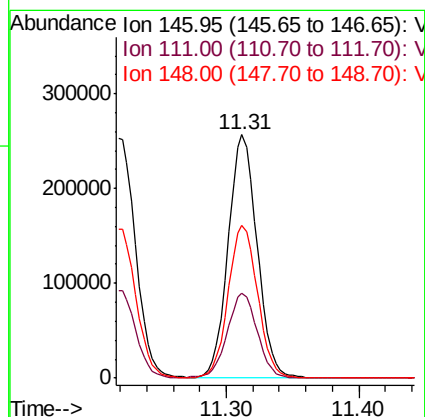
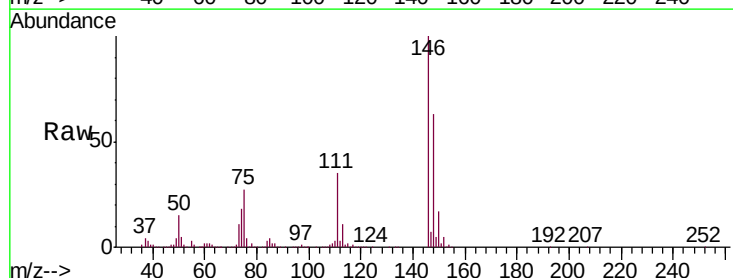
RT: 11.31 min Scan# 3179

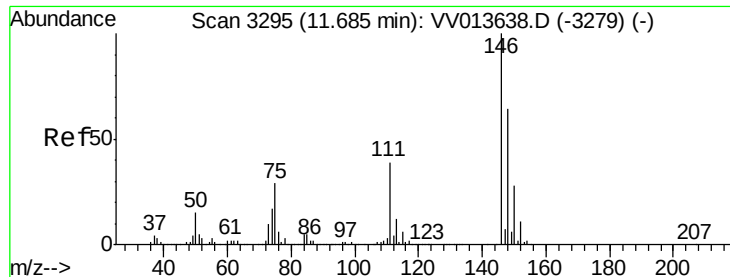
Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Tgt Ion:	146	Resp:	388823
Ion	Ratio	Lower	Upper
146	100		
111	35.0	25.6	47.6
148	62.6	45.6	84.8

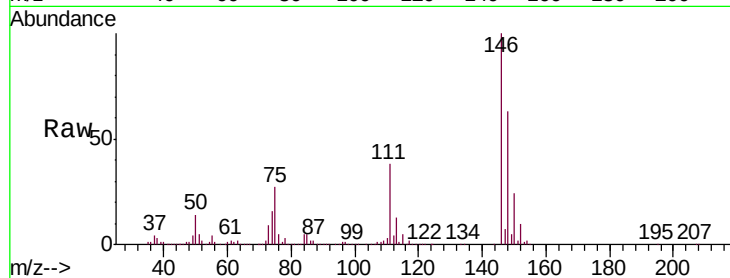




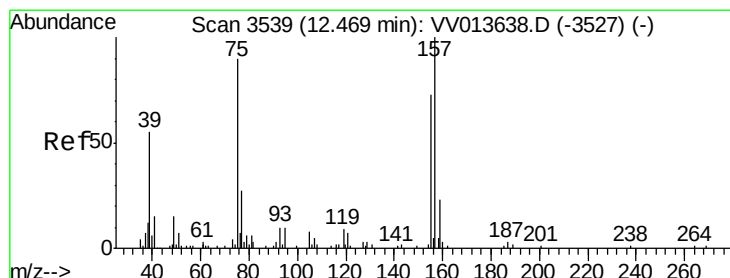
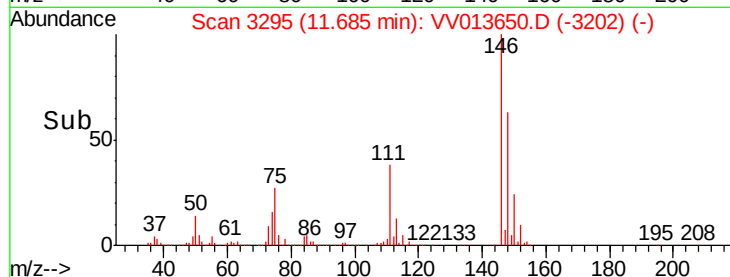
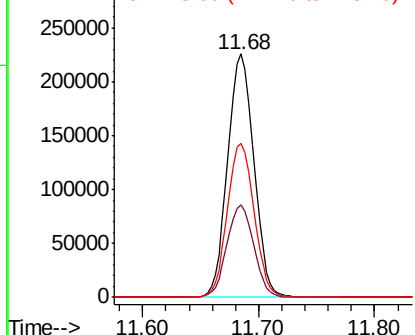
#65
 1,2-Dichlorobenzene
 Concen: 5.027 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion: 146 Resp: 353110
 Ion Ratio Lower Upper
 146 100
 111 37.8 31.3 46.9
 148 63.5 51.1 76.7

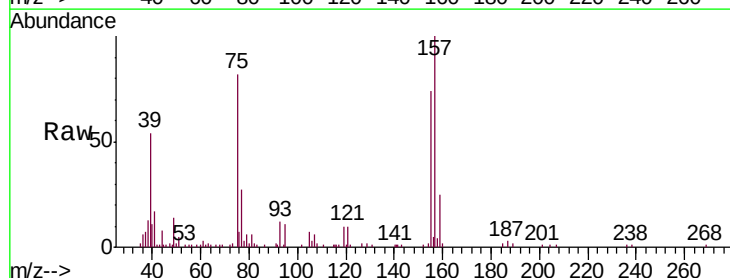


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

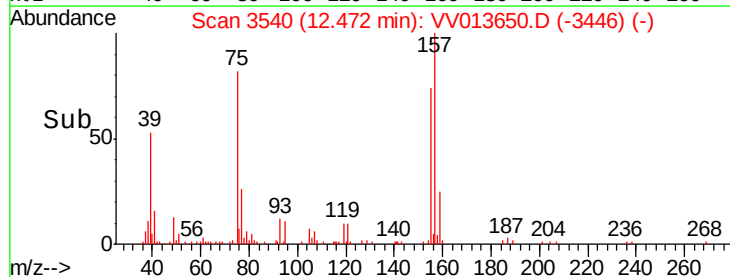
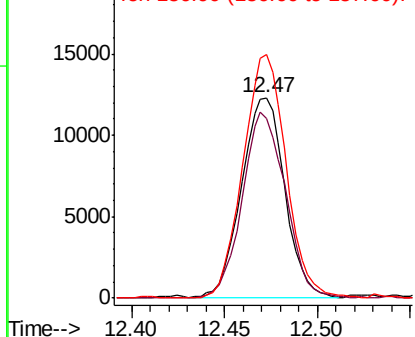


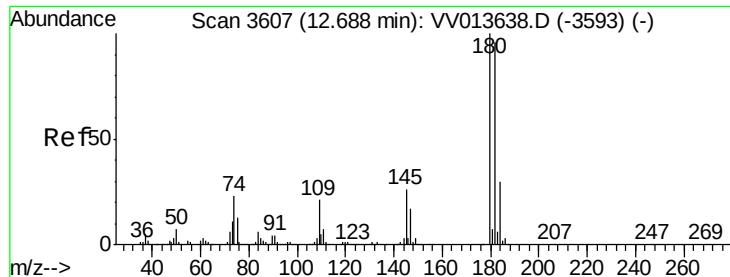
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.796 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Tgt Ion: 75 Resp: 20115
 Ion Ratio Lower Upper
 75 100
 155 89.8 64.8 97.2
 157 121.6 89.1 133.7



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

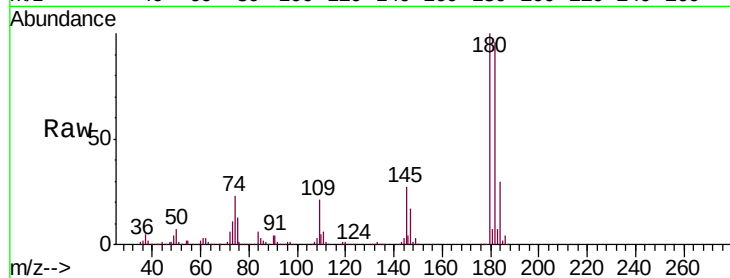




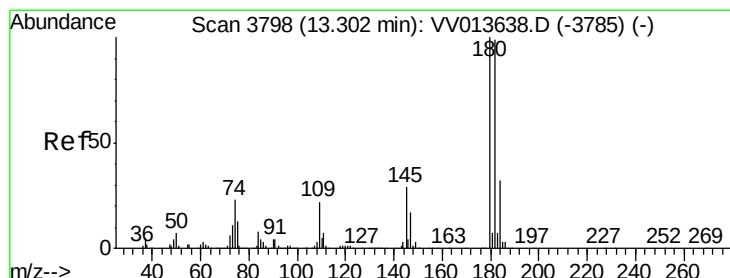
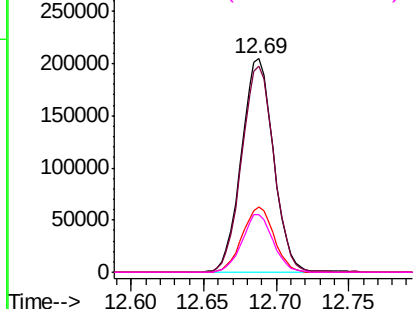
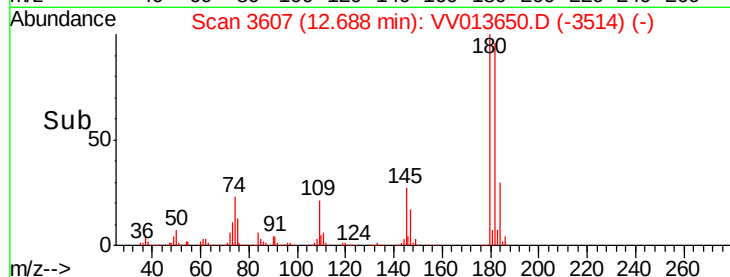
#67
 1,3,5-Trichlorobenzene
 Concen: 5.057 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion:	180	Resp:	316534
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
184	30.2	24.4	36.6
145	26.1	21.5	32.3

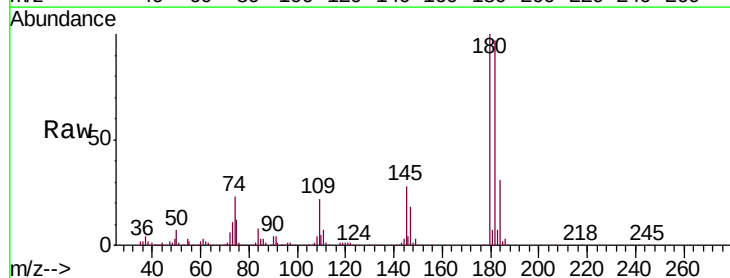


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

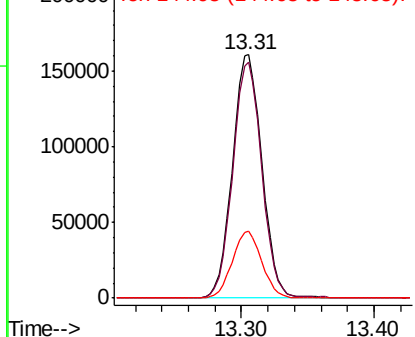
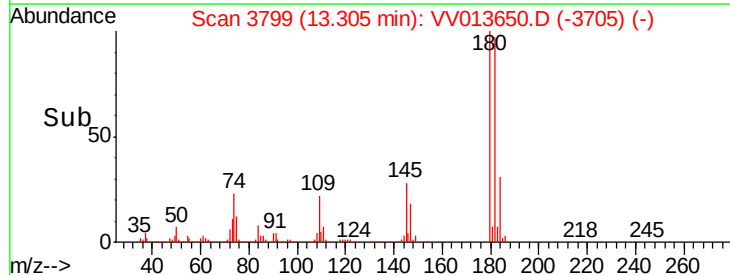


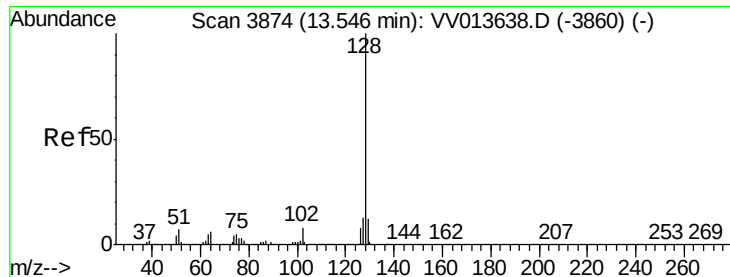
#68
 1,2,4-trichlorobenzene
 Concen: 4.823 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013650.D
 Acq: 18 Nov 2019 10:43

Tgt Ion:	180	Resp:	247979
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.2	115.8
145	27.4	22.6	33.8



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: 4.606 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

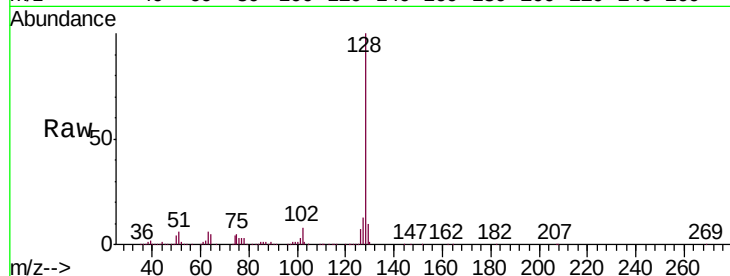
Tgt Ion:128 Resp: 323482

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

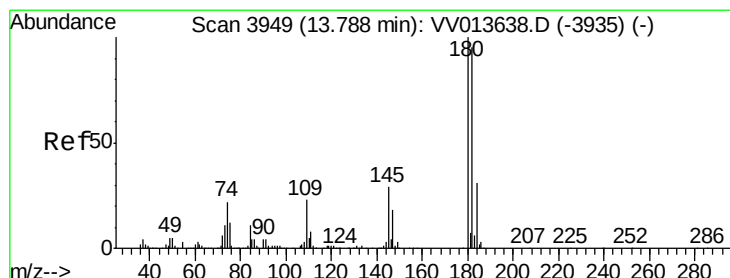
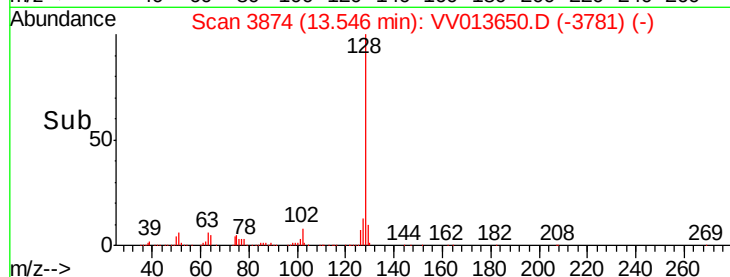
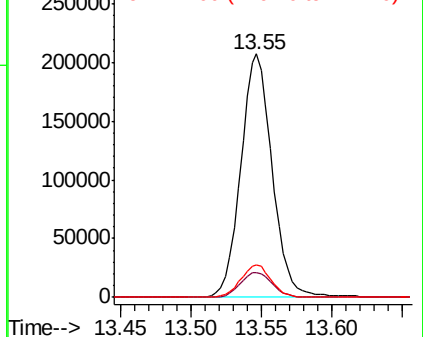
127 13.0 10.4 15.6



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: 5.029 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013650.D

Acq: 18 Nov 2019 10:43

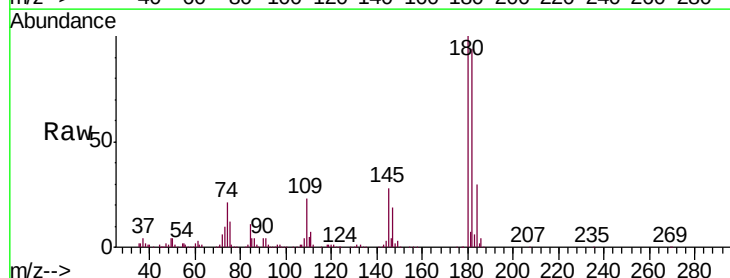
Tgt Ion:180 Resp: 236214

Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

145 28.5 23.4 35.0



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

