

Data File : VV013641.D
Acq On : 15 Nov 2019 15:35
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Quant Time: Nov 15 23:52:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 23:49:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	432799	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	407371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105576	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	96777	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.13	63	212862	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.96	46	272607	44.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.18%
24) Chloroform-d	4.39	84	244371	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.07	65	114264	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	5.09	84	477434	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.11	67	140776	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.35	98	454386	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.66	79	52679	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.13	63	216320	44.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.52%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	101305	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	173742	4.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	211619	5.317 ug/L	100
3) Chloromethane	1.25	50	198113	5.174 ug/L	99
5) Vinyl chloride	1.32	62	188473	5.167 ug/L	98
6) Bromomethane	1.53	94	115264	5.185 ug/L	98
8) Chloroethane	1.60	64	108082	5.279 ug/L	95
9) Trichlorofluoromethane	1.77	101	254882	5.256 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	140763	5.285 ug/L	99
12) 1,1-Dichloroethene	2.13	96	135628	5.245 ug/L	99
13) Acetone	2.23	43	209456	53.695 ug/L #	37
14) Carbon disulfide	2.31	76	462163	5.181 ug/L	99
15) Methyl Acetate	2.47	43	57576	5.211 ug/L	95
16) Methylene chloride	2.53	84	168440	4.687 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	346041	5.240 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	166288	5.215 ug/L	97
19) 1,1-Dichloroethane	3.22	63	303266	5.326 ug/L	97
21) 2-Butanone	4.04	43	364239	55.682 ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	172583	5.215 ug/L #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	79619	5.218	ug/L	96
25) Chloroform	4.42	83	327008	4.240	ug/L	97
27) 1,2-Dichloroethane	5.17	62	180531	5.269	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	263581	5.353	ug/L	98
30) Cyclohexane	4.72	56	275696	5.628	ug/L	99
31) Carbon tetrachloride	4.87	117	238725	5.366	ug/L	98
33) Benzene	5.14	78	671869	5.449	ug/L	100
34) Trichloroethene	5.95	95	176362	5.344	ug/L	99
35) Methylcyclohexane	6.17	83	285164	5.665	ug/L	99
37) 1,2-Dichloropropane	6.22	63	161861	5.482	ug/L	100
38) Bromodichloromethane	6.55	83	208022	5.052	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	235079	5.540	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	940942	54.777	ug/L	99
42) Toluene	7.42	91	726735	5.517	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	177284	5.300	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	110732	5.201	ug/L	97
47) Tetrachloroethene	8.01	164	162458	5.312	ug/L	98
48) 2-Hexanone	8.18	43	682473	56.018	ug/L	99
49) Dibromochloromethane	8.28	129	141387	5.231	ug/L	98
50) 1,2-Dibromoethane	8.39	107	105346	5.150	ug/L	98
51) Chlorobenzene	8.92	112	460458	5.271	ug/L	98
52) Ethylbenzene	9.05	91	782296	5.571	ug/L	100
53) m,p-xylene	9.18	106	304719	5.754	ug/L	99
54) o-xylene	9.58	106	289768	5.689	ug/L	99
55) Styrene	9.60	104	499793	5.801	ug/L	99
56) Isopropylbenzene	9.97	105	785862	5.802	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	124098	5.254	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	93804	5.140	ug/L	100
61) Bromoform	9.77	173	84926	5.214	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	391415	5.367	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	386962	5.226	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	349058	5.138	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	19332	4.767	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	319678	5.281	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	253948	5.107	ug/L	99
69) Naphthalene	13.55	128	344414	5.072	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	239407	5.271	ug/L	100

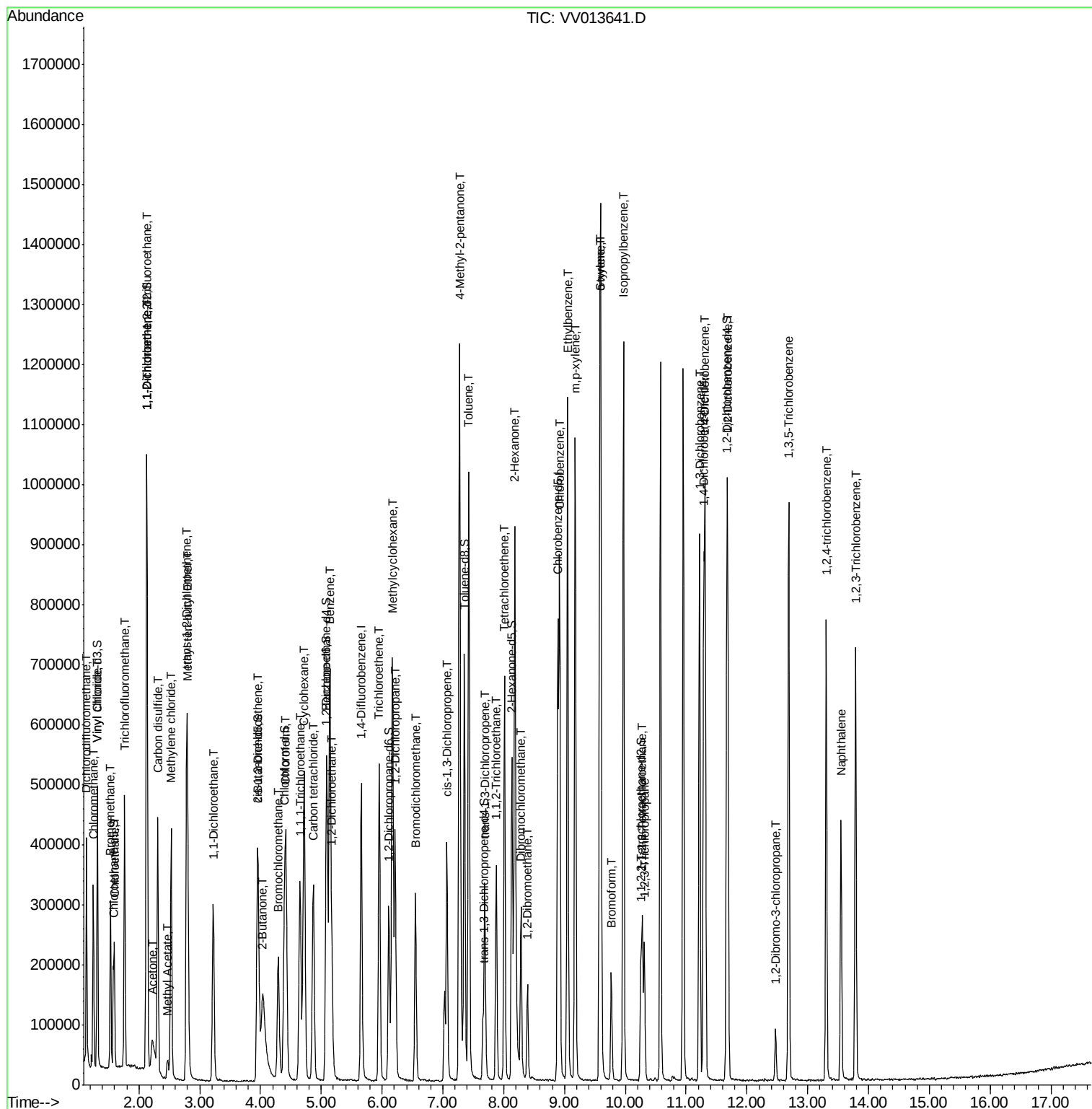
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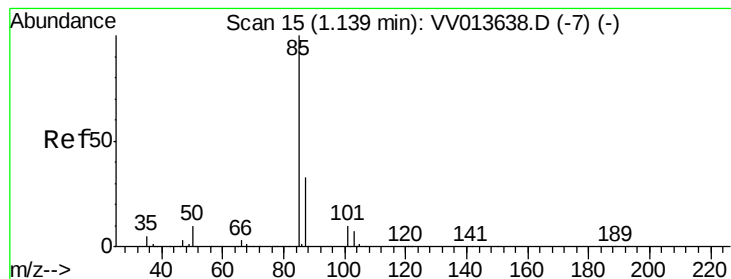
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#2

Dichlorodifluoromethane

Concen: 5.317 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

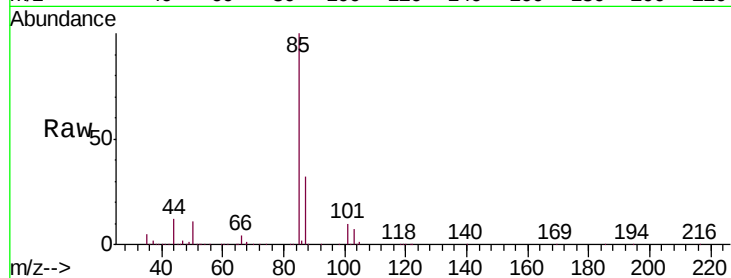
VICV36

Tgt Ion: 85 Resp: 211619

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013641.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013641.D (-1) (-)

1.14

250000

200000

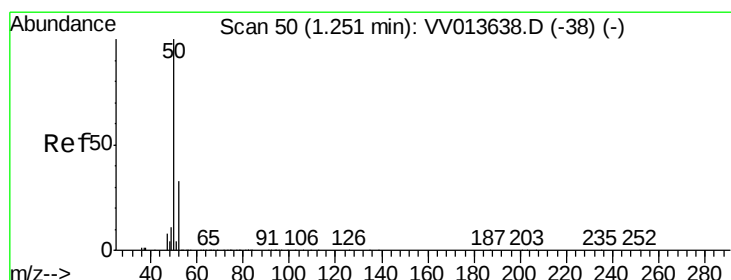
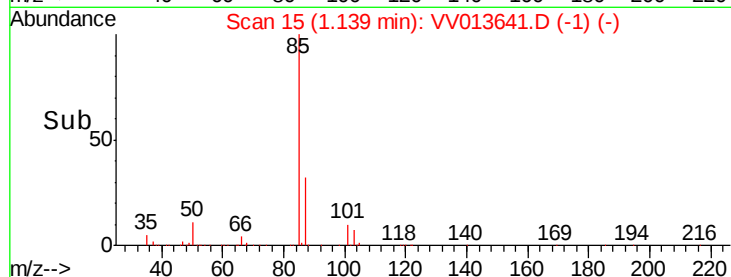
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.174 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013641.D

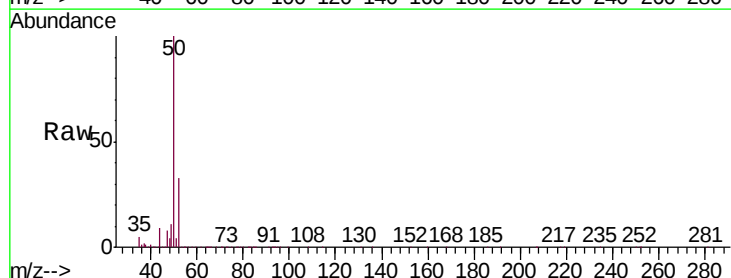
Acq: 15 Nov 2019 15:35

Tgt Ion: 50 Resp: 198113

Ion Ratio Lower Upper

50 100

52 32.9 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013641.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013641.D (-1) (-)

1.25

200000

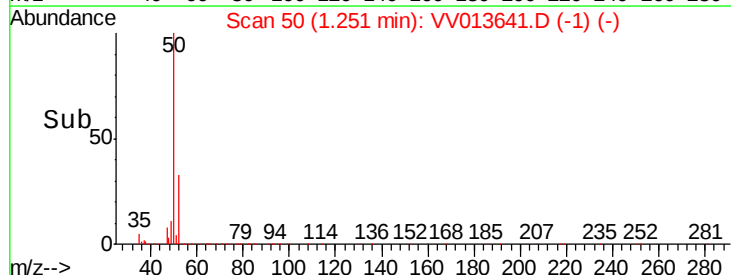
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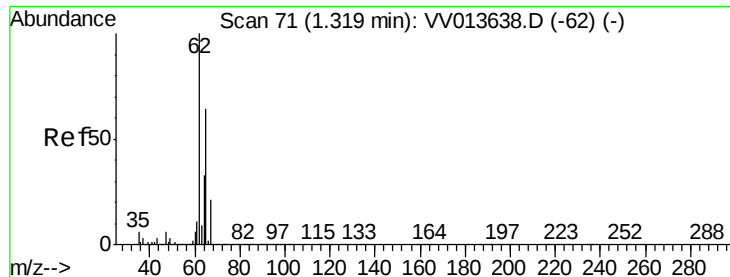
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.167 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

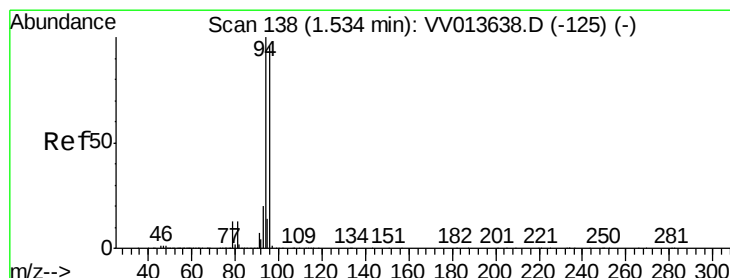
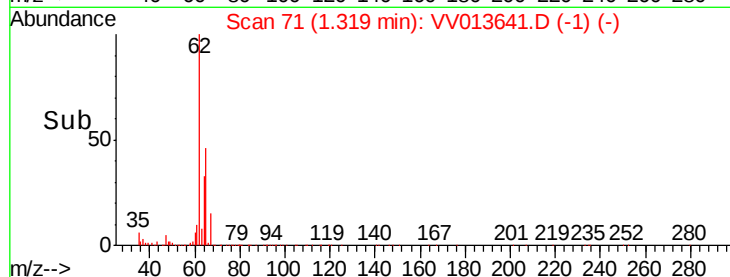
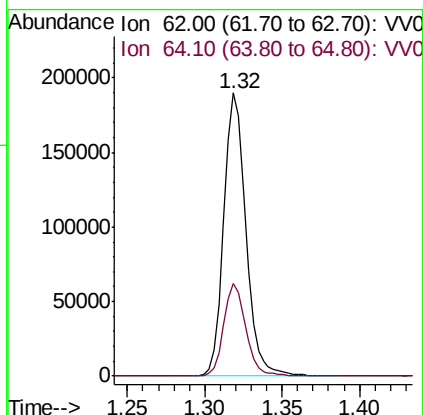
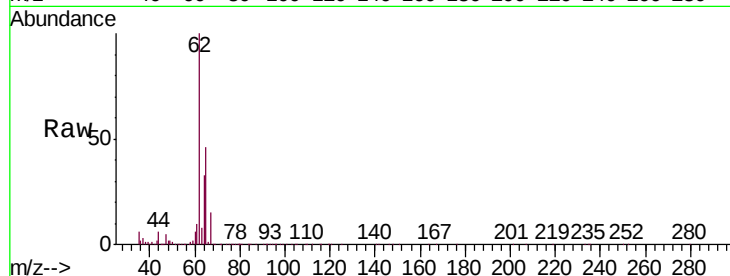
VICV36

Tgt Ion: 62 Resp: 188473

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.6



#6

Bromomethane

Concen: 5.185 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013641.D

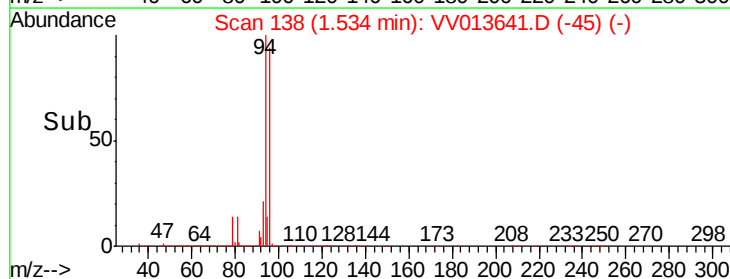
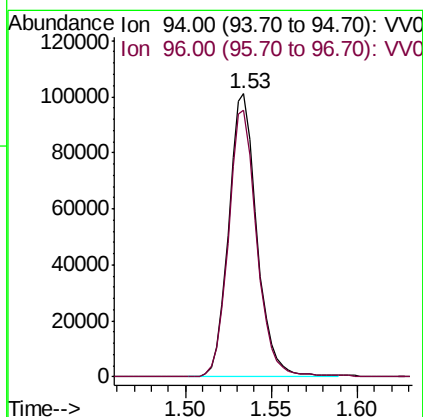
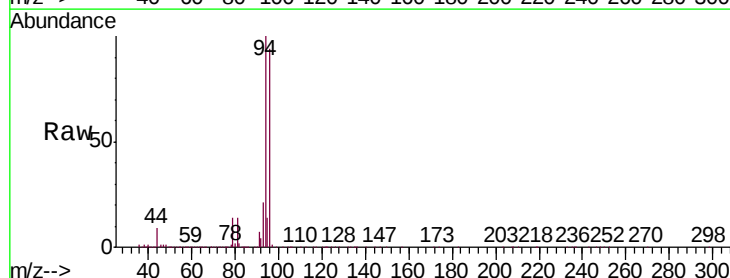
Acq: 15 Nov 2019 15:35

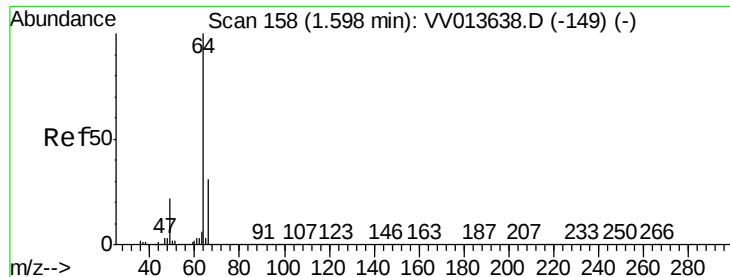
Tgt Ion: 94 Resp: 115264

Ion Ratio Lower Upper

94 100

96 94.1 67.0 124.4





#8

Chloroethane

Concen: 5.279 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

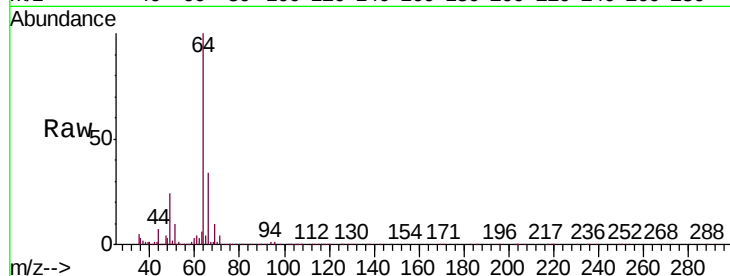
VICV36

Tgt Ion: 64 Resp: 108082

Ion Ratio Lower Upper

64 100

66 34.2 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

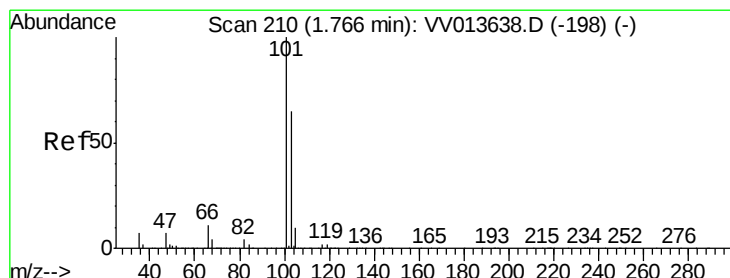
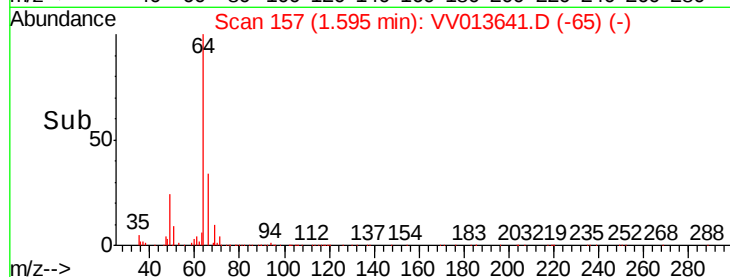
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.256 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013641.D

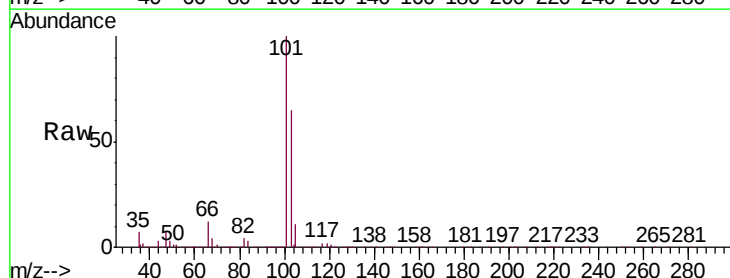
Acq: 15 Nov 2019 15:35

Tgt Ion: 101 Resp: 254882

Ion Ratio Lower Upper

101 100

103 64.9 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

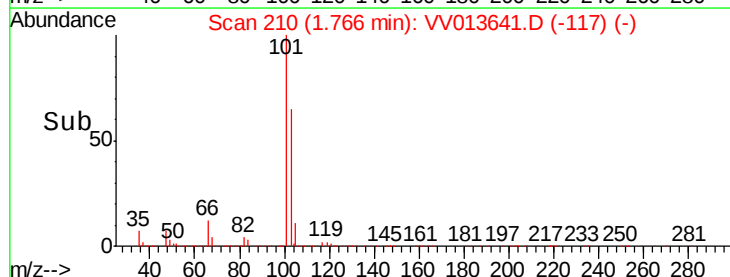
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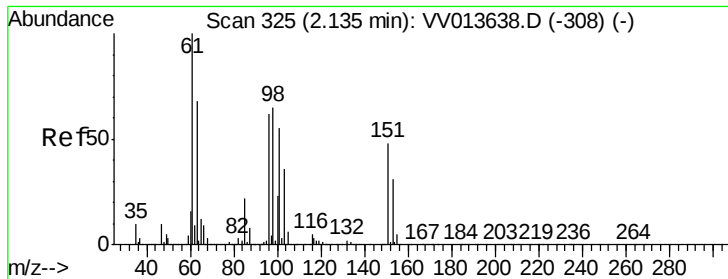
100000

50000

0

Time-->





#10

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

Concen: 5.285 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VICV36

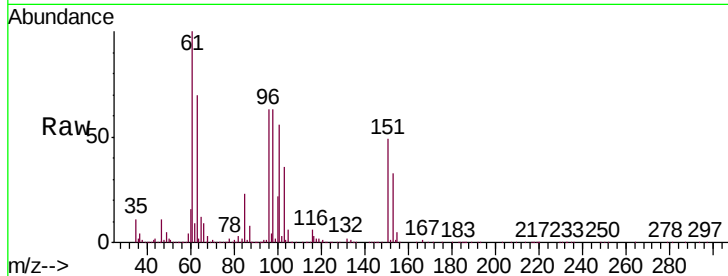
Tgt Ion: 101 Resp: 140763

Ion Ratio Lower Upper

101 100

85 41.3 32.0 48.0

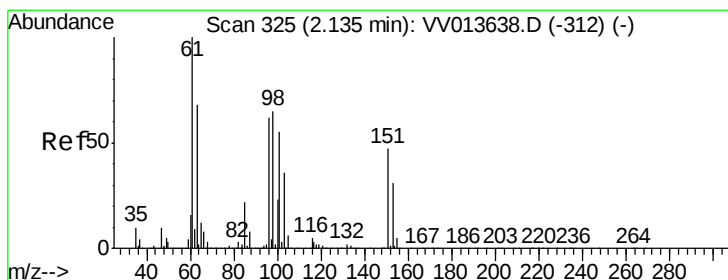
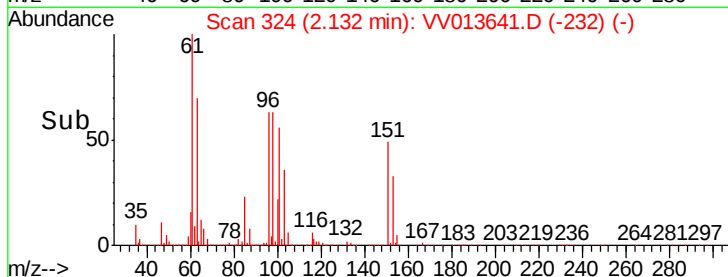
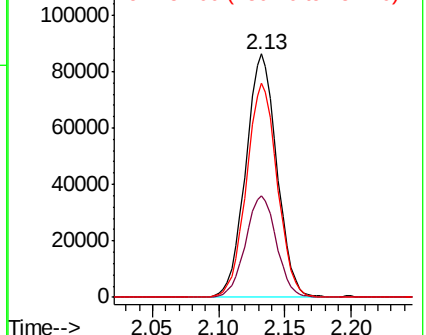
151 86.8 69.0 103.6



Abundance Ion 101.00 (100.70 to 101.70): VV013641.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013641.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013641.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 5.245 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

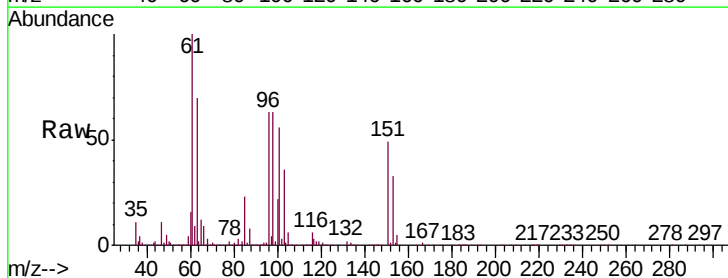
Tgt Ion: 96 Resp: 135628

Ion Ratio Lower Upper

96 100

61 158.8 112.5 208.9

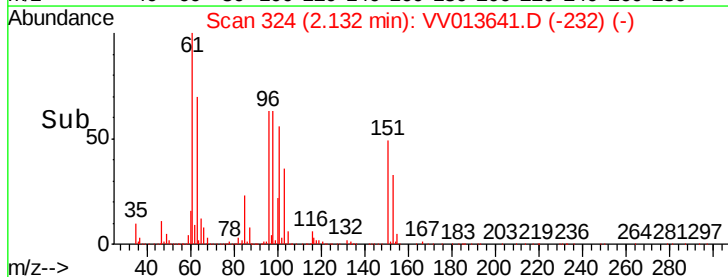
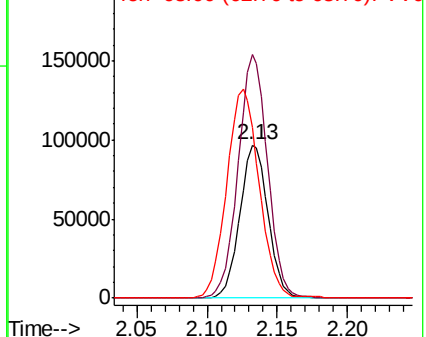
63 111.2 76.9 142.7

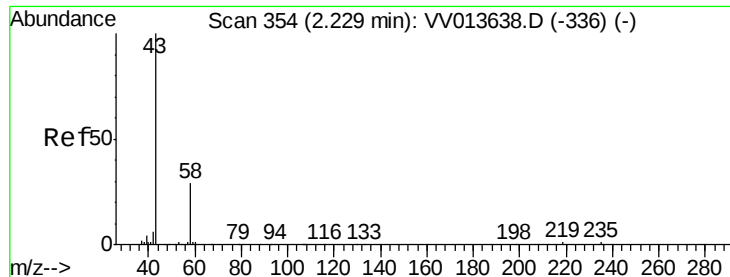


Abundance Ion 96.00 (95.70 to 96.70): VV013641.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV013641.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV013641.D (-232) (-)





#13

Acetone

Concen: 53.695 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

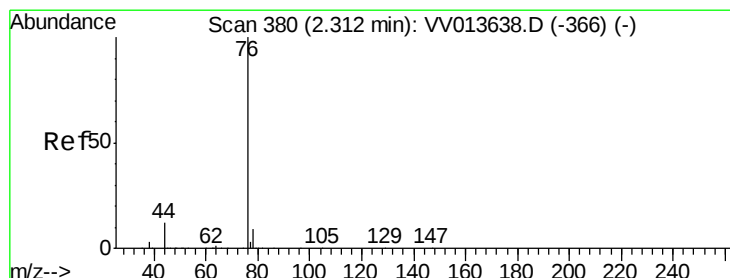
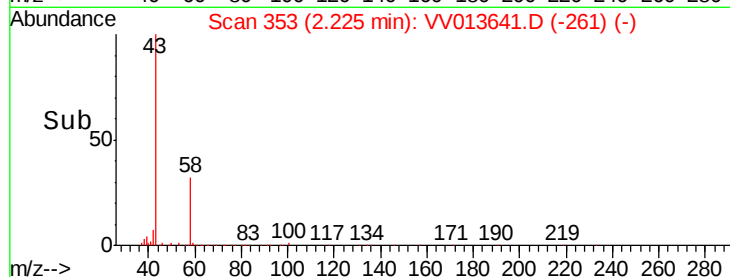
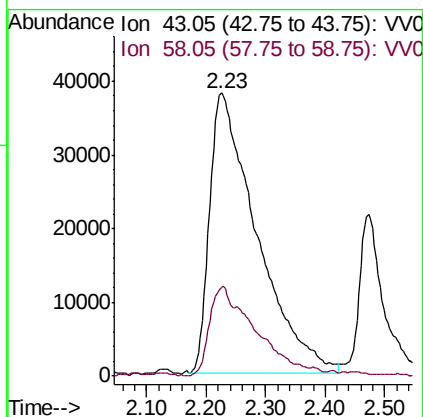
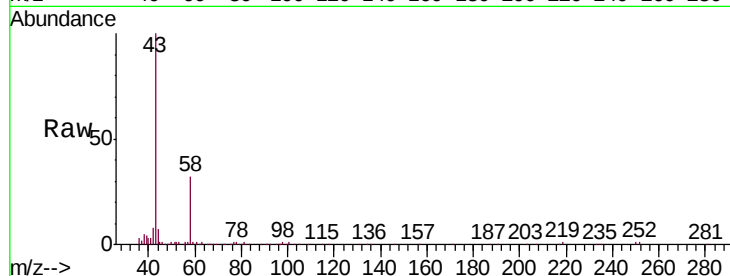
VICV36

Tgt Ion: 43 Resp: 209456

Ion Ratio Lower Upper

43 100

58 31.0 0.0 17.0#



#14

Carbon disulfide

Concen: 5.181 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013641.D

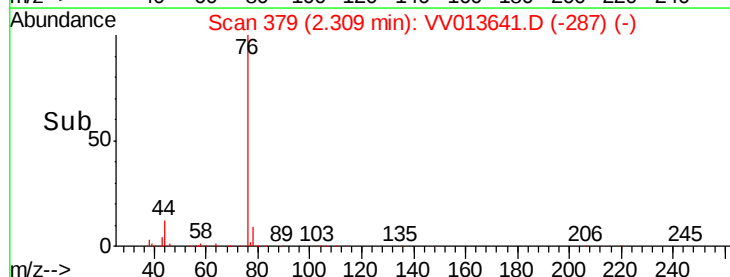
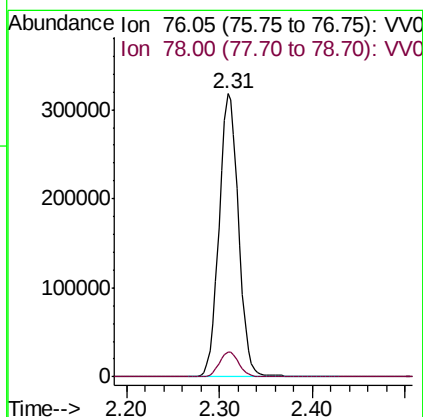
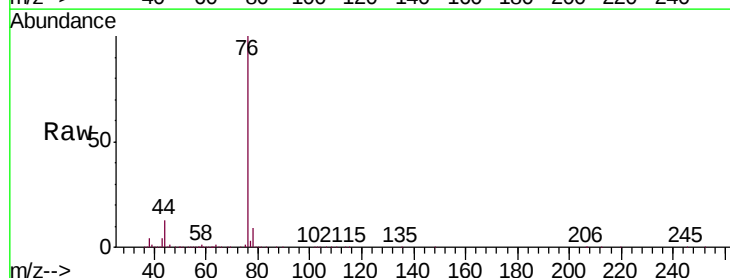
Acq: 15 Nov 2019 15:35

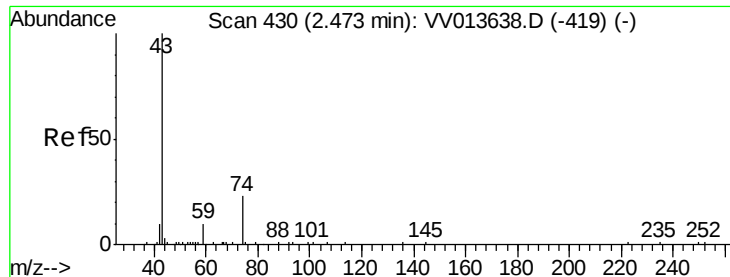
Tgt Ion: 76 Resp: 462163

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 5.211 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

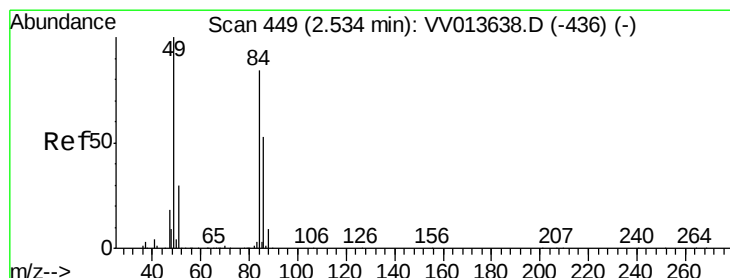
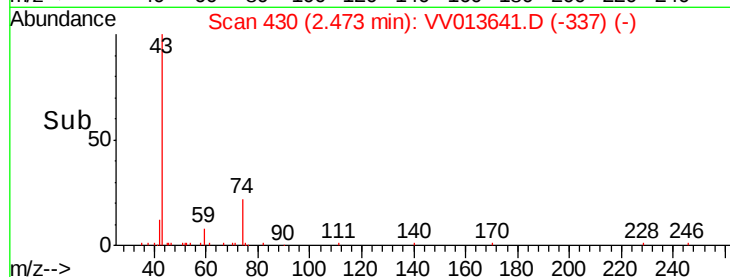
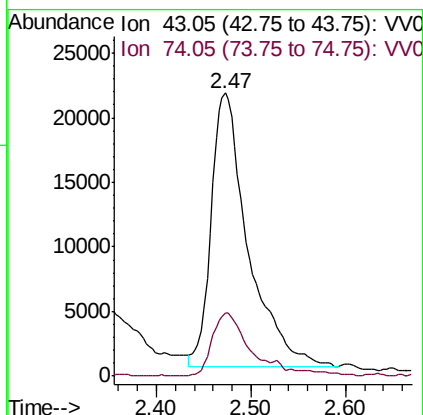
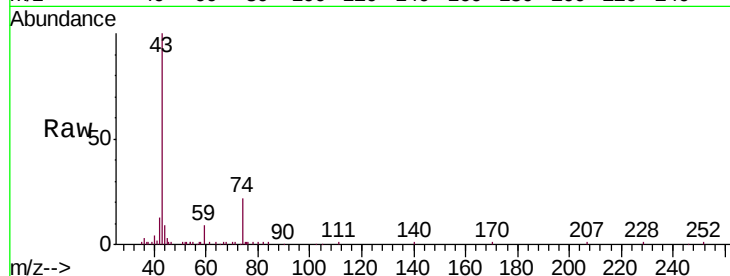
VICV36

Tgt Ion: 43 Resp: 57576

Ion Ratio Lower Upper

43 100

74 21.4 18.9 28.3



#16

Methylene chloride

Concen: 4.687 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

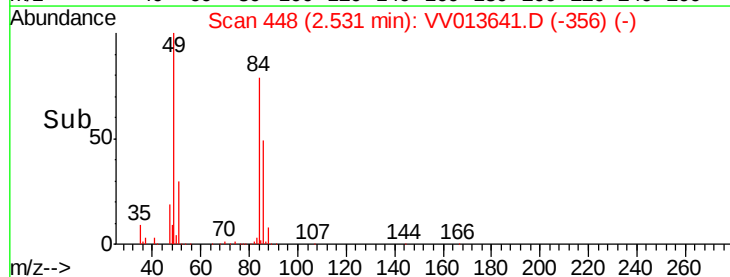
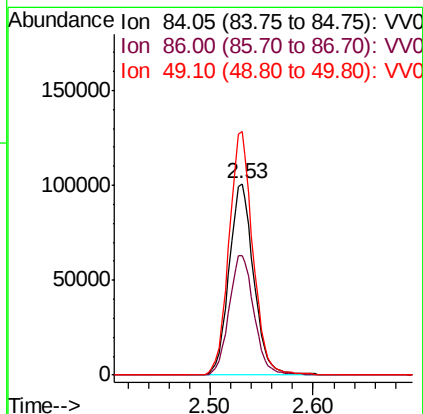
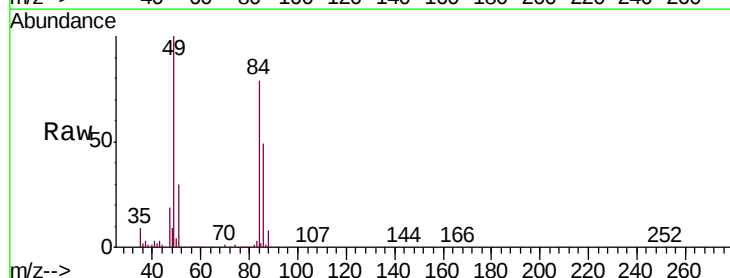
Tgt Ion: 84 Resp: 168440

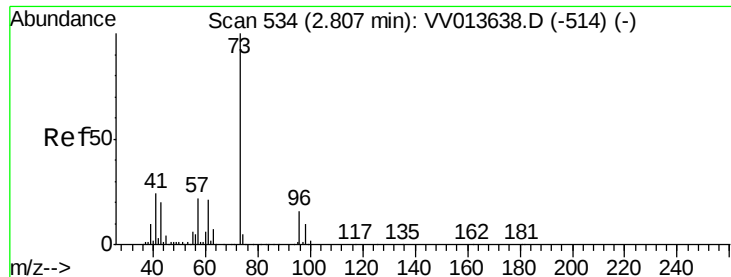
Ion Ratio Lower Upper

84 100

86 62.7 44.1 81.9

49 127.2 83.4 155.0





#17

Methyl tert-butyl Ether

Concen: 5.240 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VICV36

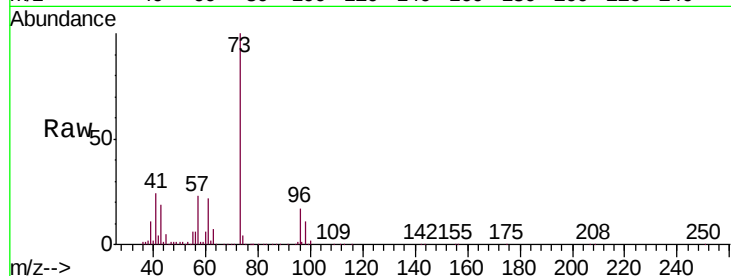
Tgt Ion: 73 Resp: 346041

Ion Ratio Lower Upper

73 100

43 18.9 15.4 23.0

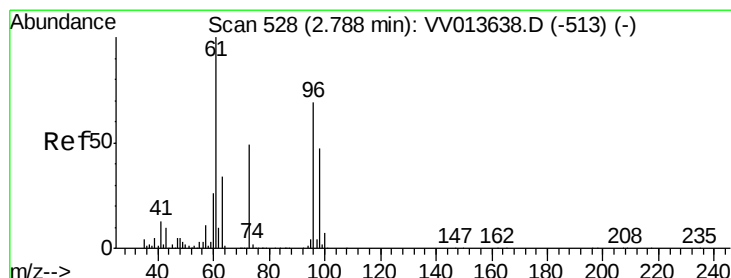
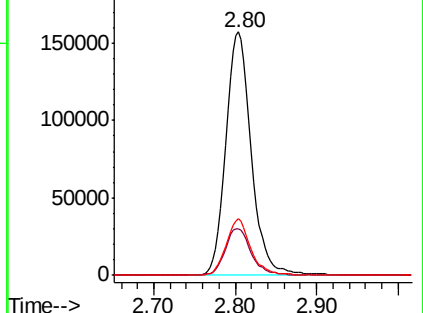
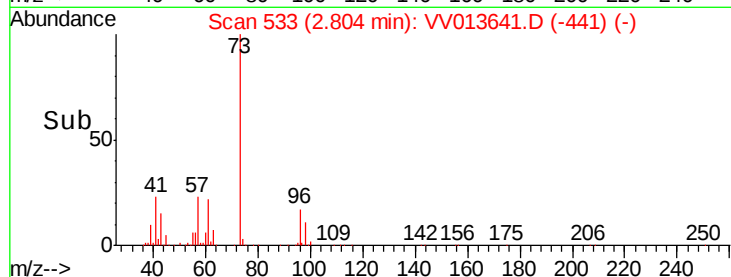
57 22.5 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.215 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

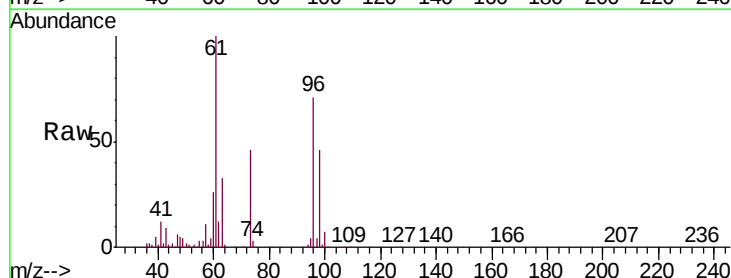
Tgt Ion: 96 Resp: 166288

Ion Ratio Lower Upper

96 100

61 139.9 101.0 187.6

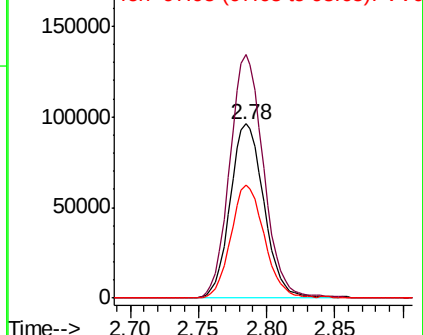
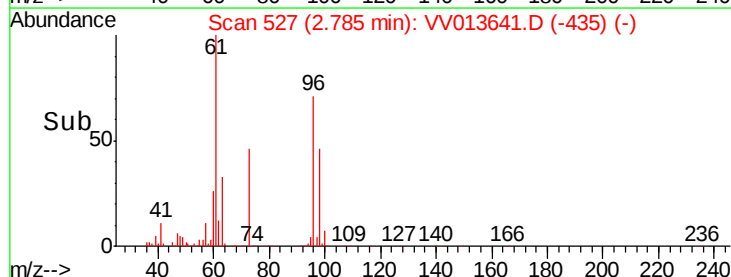
98 64.9 47.0 87.2

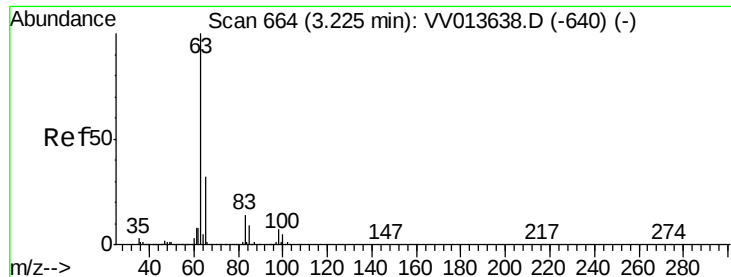


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

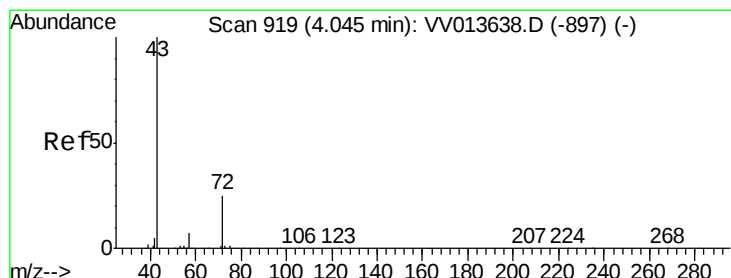
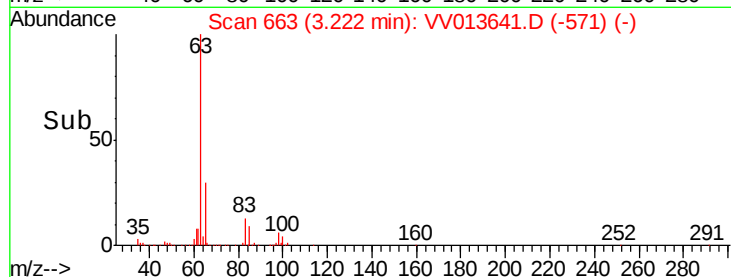
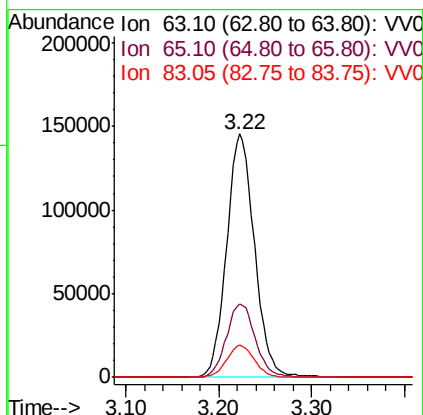
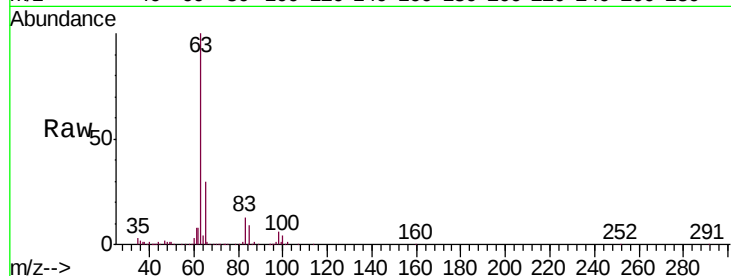




#19
 1,1-Dichloroethane
 Concen: 5.326 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

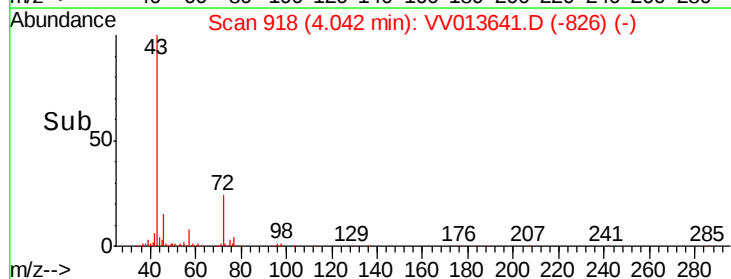
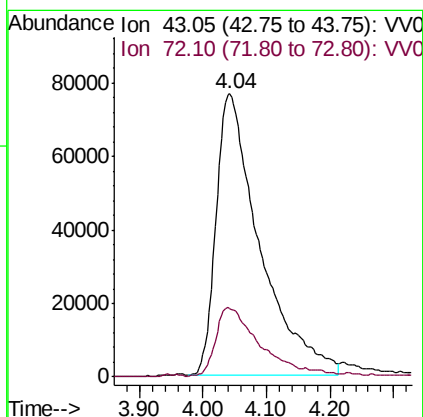
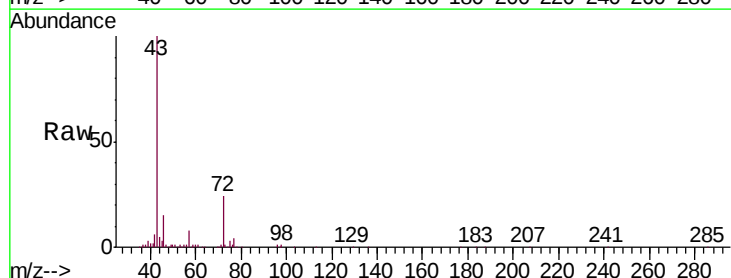
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

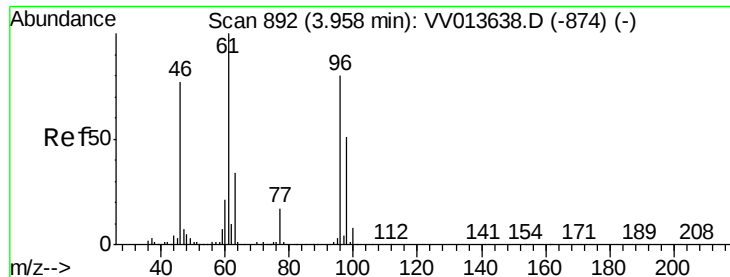
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.5	41.7
83	13.4	9.7	17.9



#21
 2-Butanone
 Concen: 55.682 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	11.6	34.8



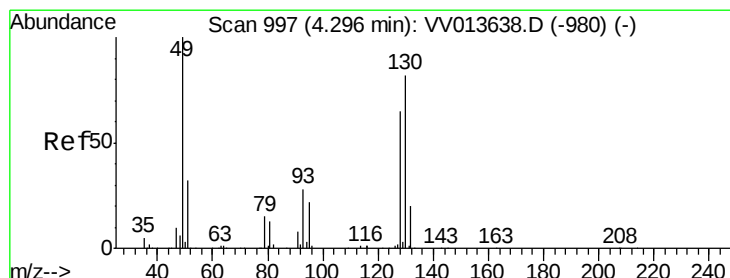
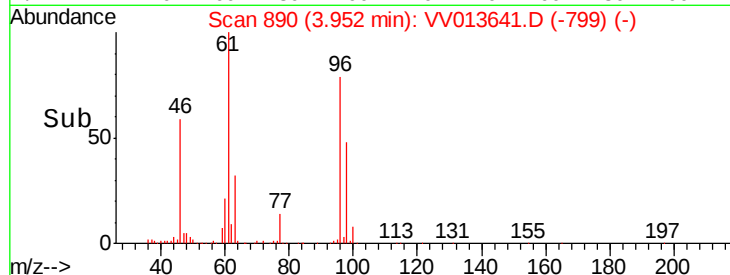
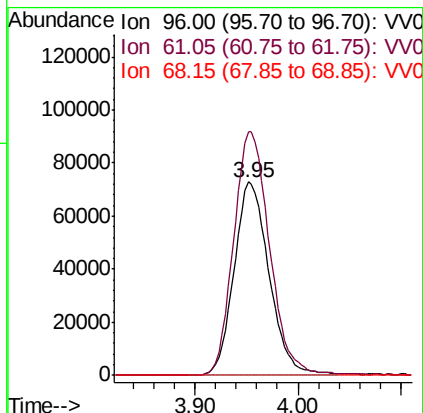
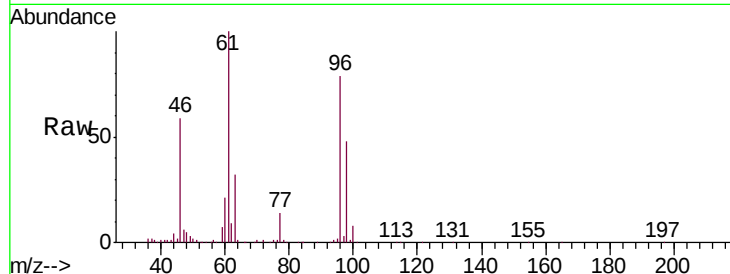


#22

cis-1,2-Dichloroethene
Concen: 5.215 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.01 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Instrument :
MSVOA_V
ClientSampleId :
VICV36

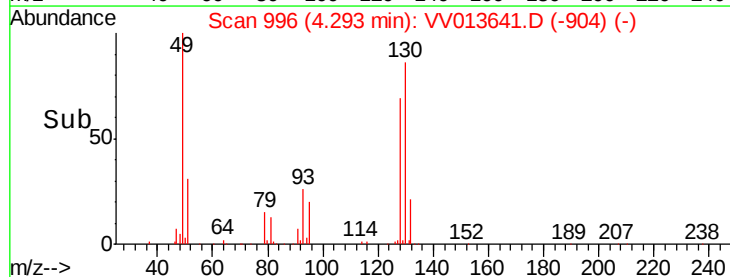
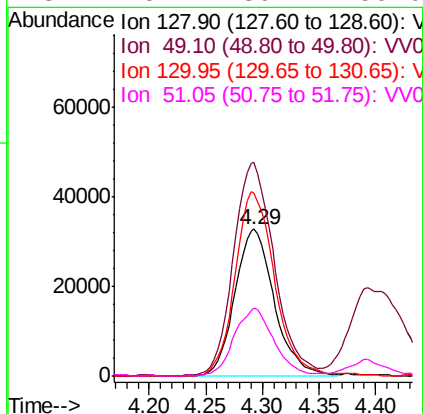
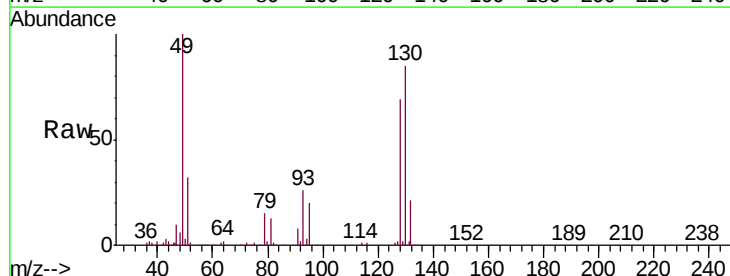
Tgt Ion: 96 Resp: 172583
Ion Ratio Lower Upper
96 100
61 125.8 87.7 162.9
68 0.0 0.1 0.3#

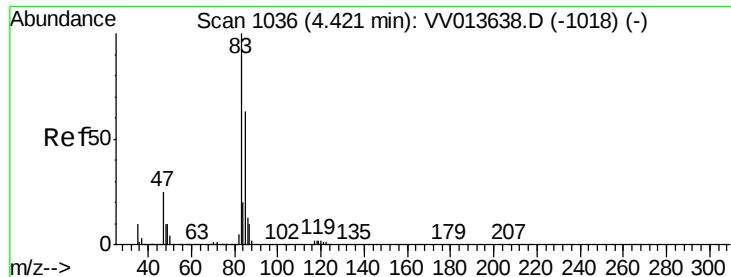


#23

Bromochloromethane
Concen: 5.218 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Tgt Ion: 128 Resp: 79619
Ion Ratio Lower Upper
128 100
49 145.3 107.2 199.0
130 124.2 87.9 163.3
51 46.2 39.4 59.0





#25

Chloroform

Concen: 4.240 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

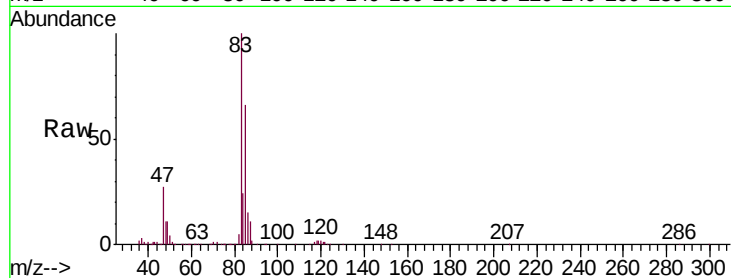
VICV36

Tgt Ion: 83 Resp: 327008

Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

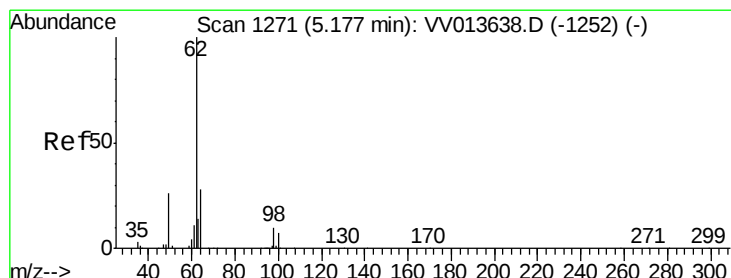
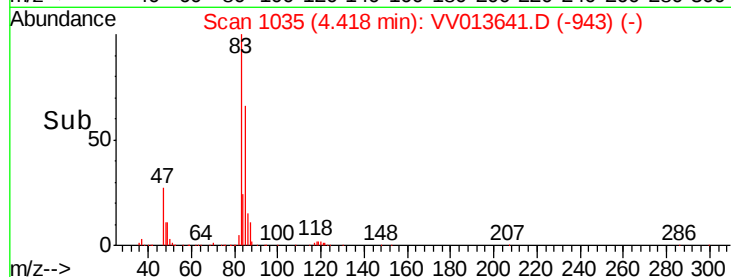
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 5.269 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV013641.D

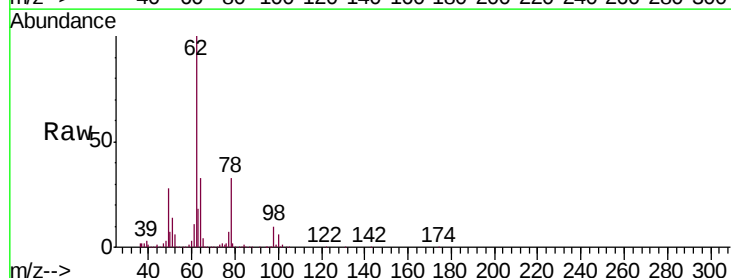
Acq: 15 Nov 2019 15:35

Tgt Ion: 62 Resp: 180531

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.17

80000

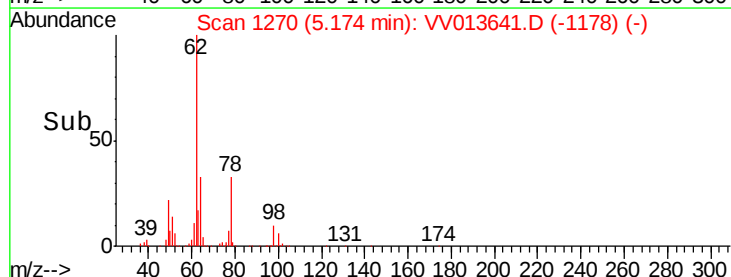
60000

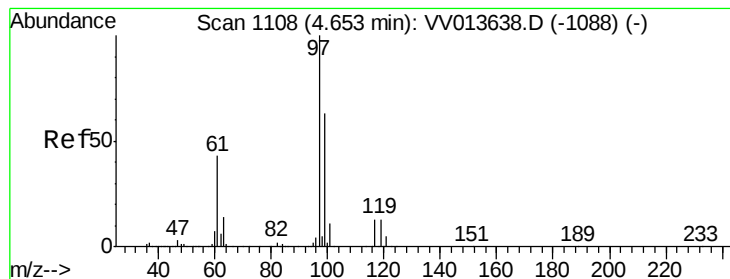
40000

20000

0

Time-->





#29

1,1,1-Trichloroethane

Concen: 5.353 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VICV36

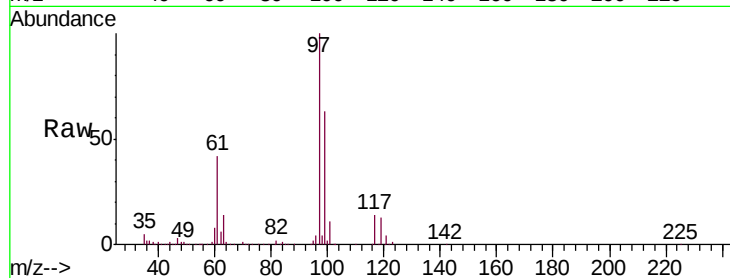
Tgt Ion: 97 Resp: 263581

Ion Ratio Lower Upper

97 100

99 63.6 52.6 79.0

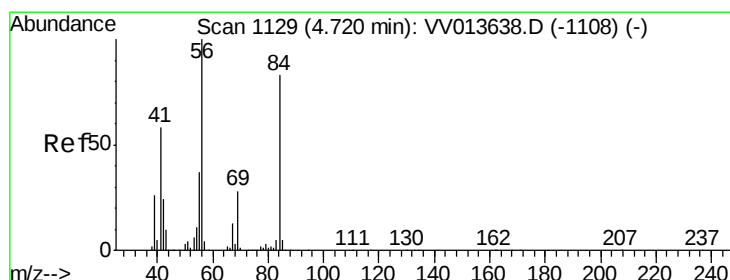
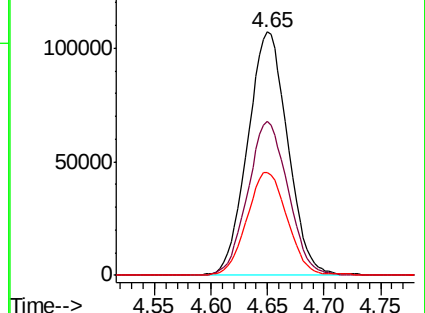
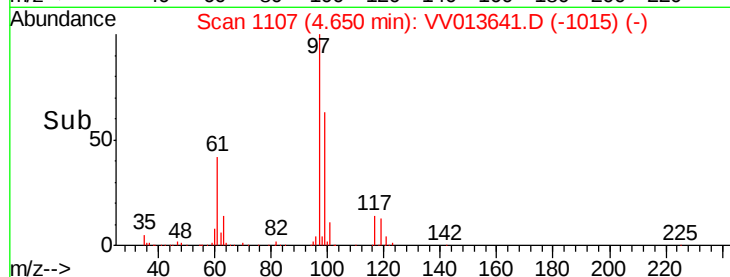
61 42.3 34.7 52.1



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: 5.628 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

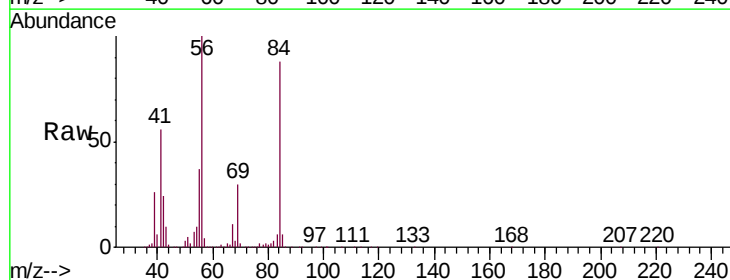
Tgt Ion: 56 Resp: 275696

Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.8

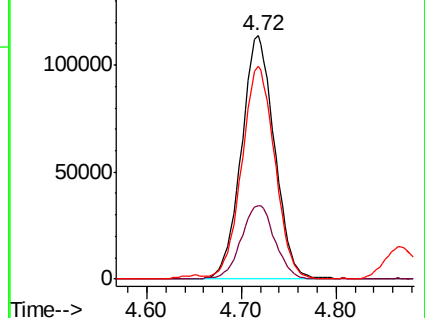
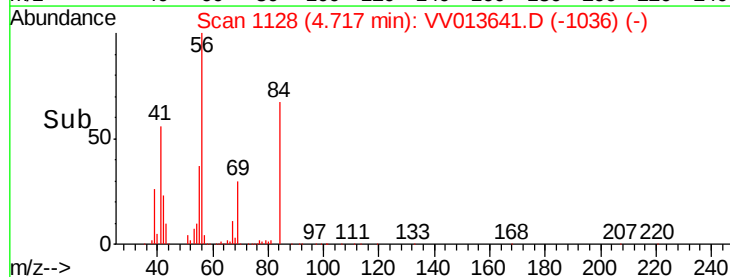
84 86.8 69.1 103.7

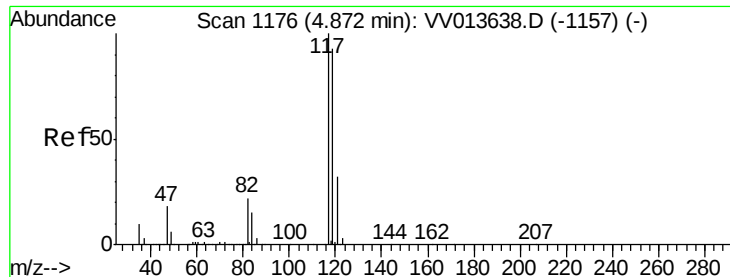


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.366 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

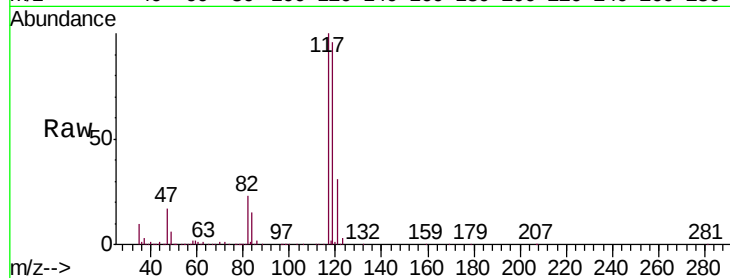
VICV36

Tgt Ion:117 Resp: 238725

Ion Ratio Lower Upper

117 100

119 95.0 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

120000

100000

80000

60000

40000

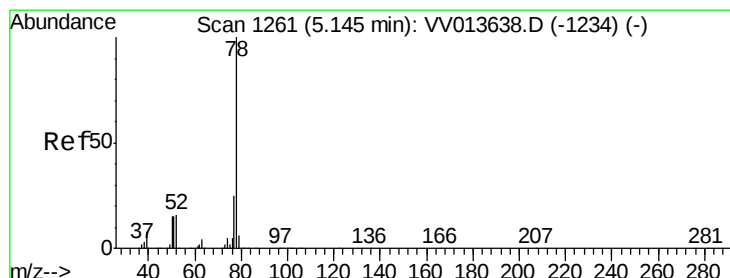
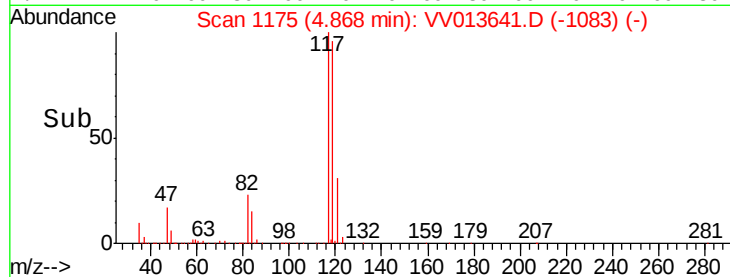
20000

0

Time-->

4.80 4.90

4.87



#33

Benzene

Concen: 5.449 ug/L

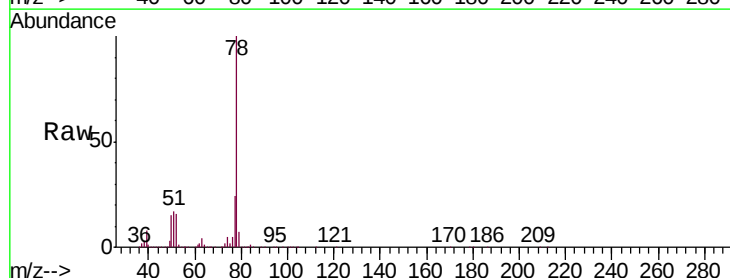
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Tgt Ion: 78 Resp: 671869



Abundance Ion 78.10 (77.80 to 78.80): VV0

300000

200000

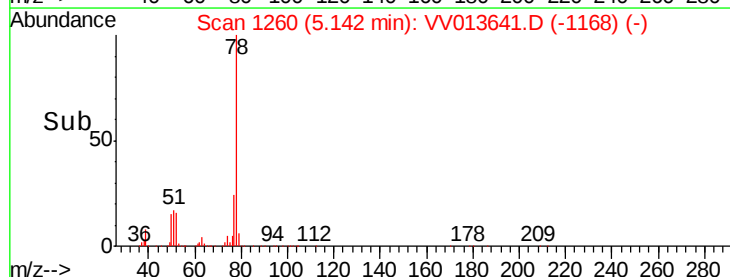
100000

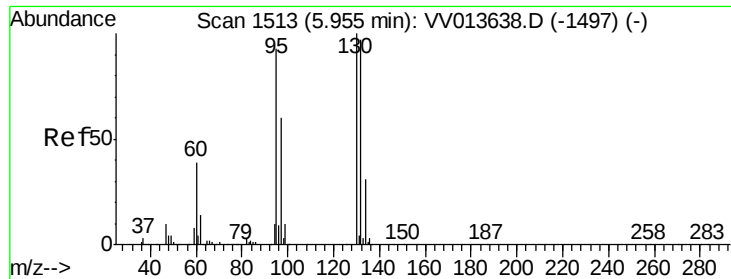
0

Time-->

5.00 5.10 5.20 5.30

5.14





#34

Trichloroethene

Concen: 5.344 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VICV36

Tgt Ion: 95 Resp: 176362

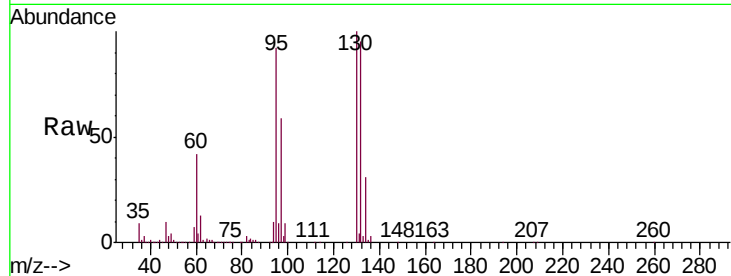
Ion Ratio Lower Upper

95 100

97 64.7 44.8 83.2

132 103.1 72.9 135.3

130 109.0 75.1 139.5

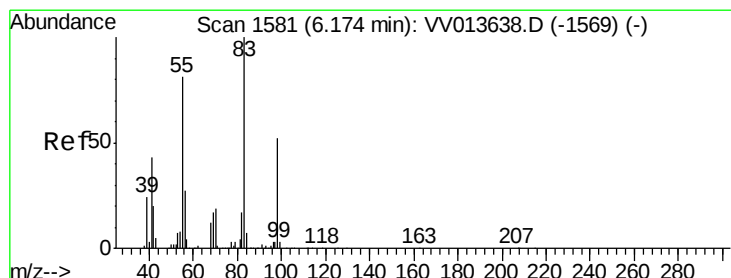
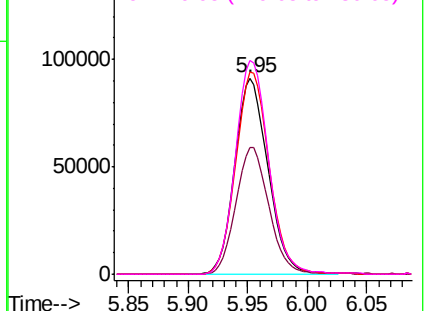
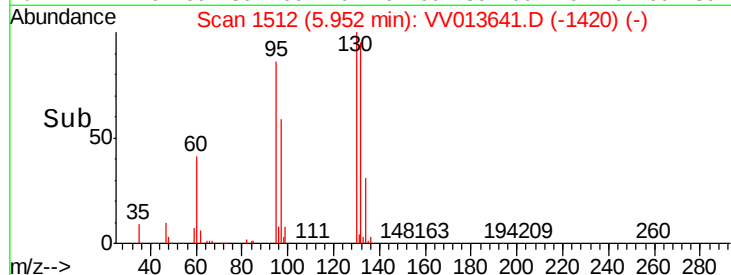


Abundance Ion 95.00 (94.70 to 95.70): VV013641.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013641.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV013641.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013641.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.665 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

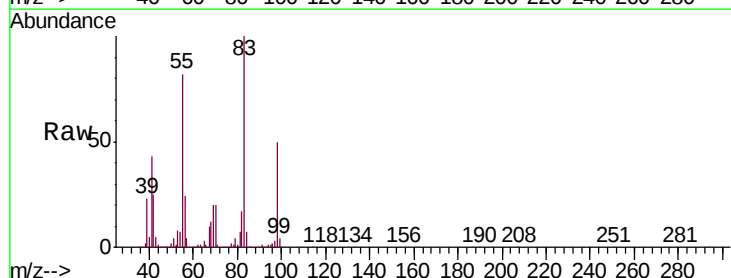
Tgt Ion: 83 Resp: 285164

Ion Ratio Lower Upper

83 100

55 79.6 64.1 96.1

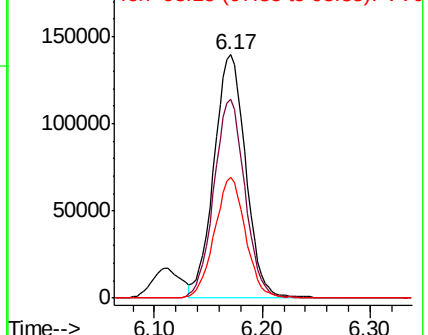
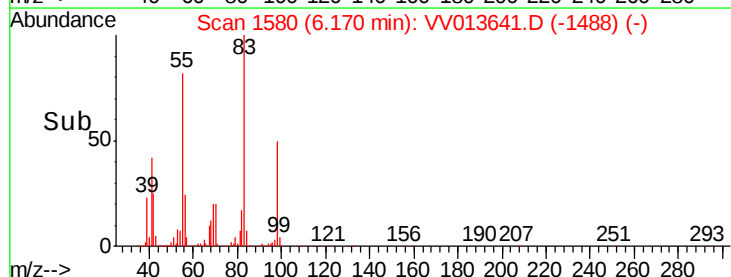
98 48.6 38.2 57.2

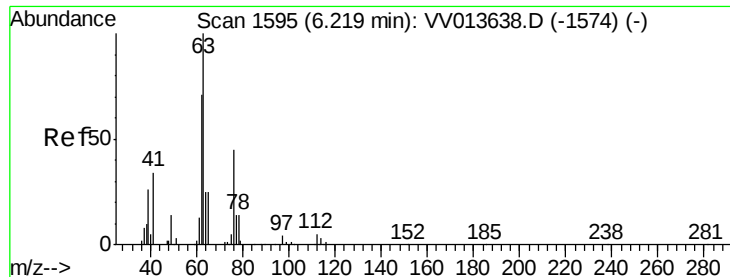


Abundance Ion 83.15 (82.85 to 83.85): VV013641.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV013641.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV013641.D (-1488) (-)

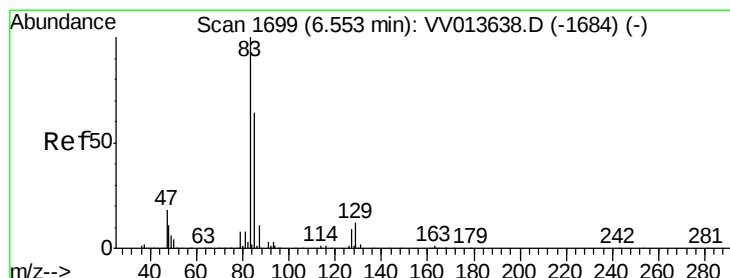
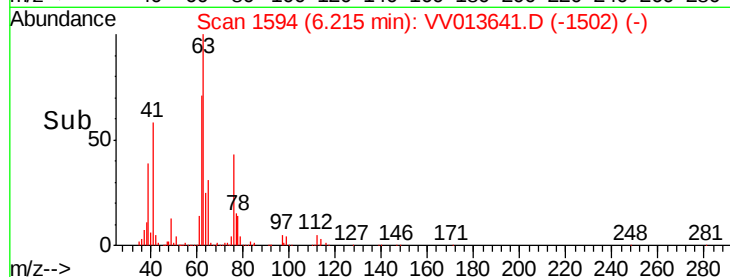
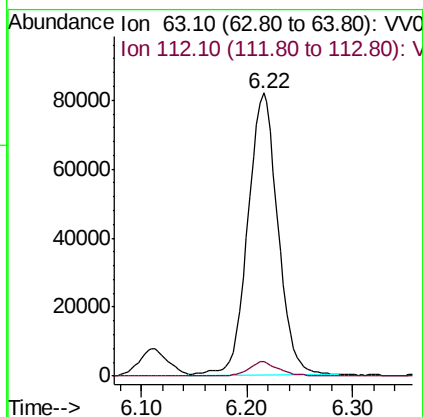
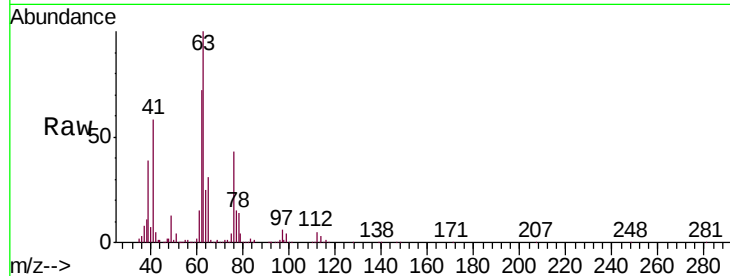




#37
 1,2-Dichloropropane
 Concen: 5.482 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

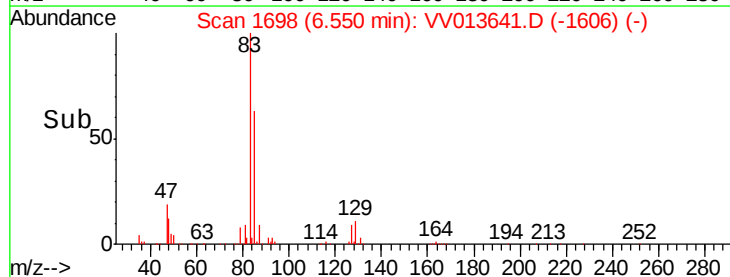
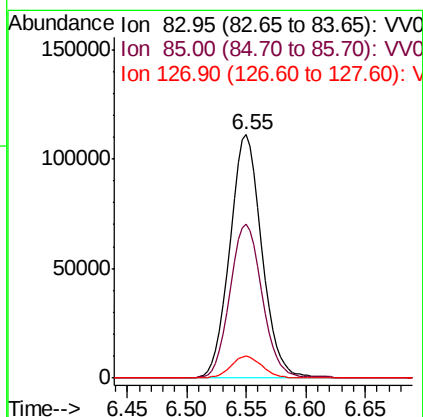
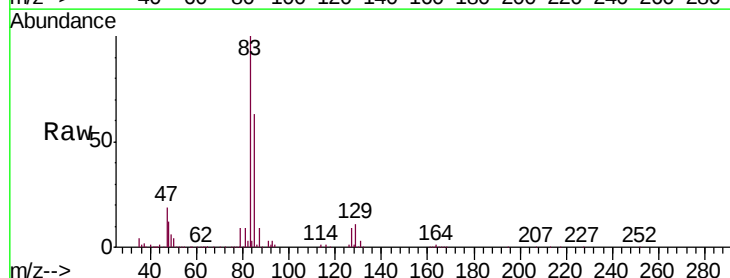
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

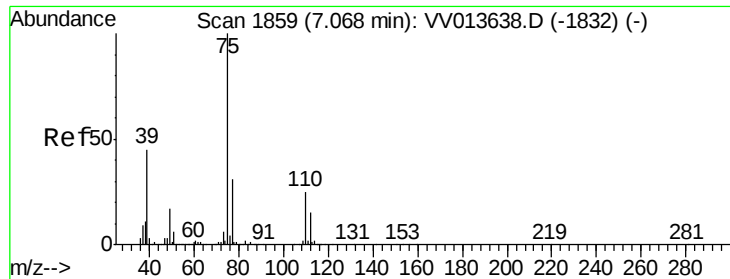
Tgt Ion: 63 Resp: 161861
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 5.052 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Tgt Ion: 83 Resp: 208022
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.9 83.5
 127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.540 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampled :

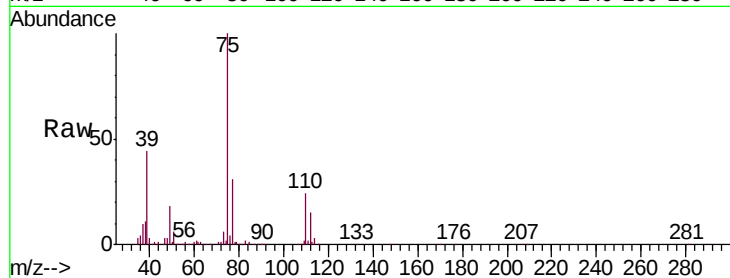
VICV36

Tgt Ion: 75 Resp: 235079

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV013641.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV013641.D (-1766) (-)

7.06

150000

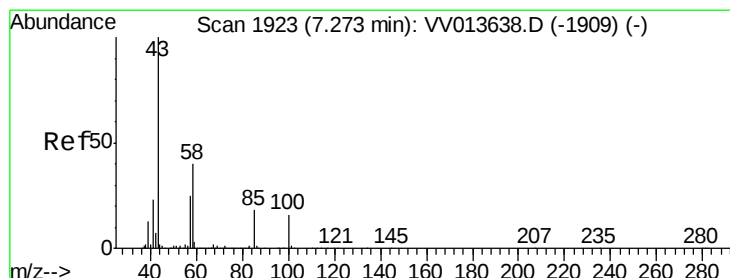
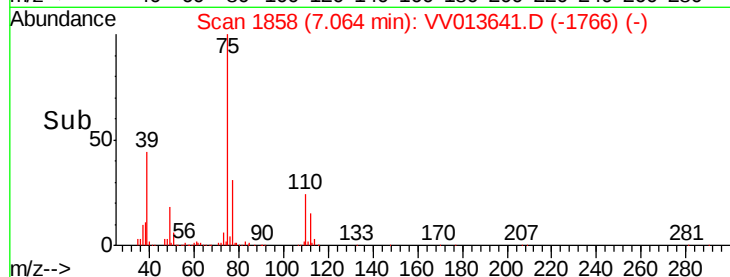
100000

50000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 54.777 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

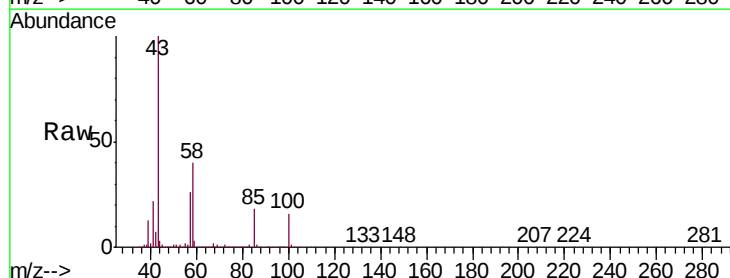
Tgt Ion: 43 Resp: 940942

Ion Ratio Lower Upper

43 100

58 38.6 31.5 47.3

100 15.6 12.2 18.4



Abundance Ion 43.05 (42.75 to 43.75): VV013641.D (-1830) (-)

Ion 58.05 (57.75 to 58.75): VV013641.D (-1830) (-)

Ion 100.15 (99.85 to 100.85): VV013641.D (-1830) (-)

7.27

600000

500000

400000

300000

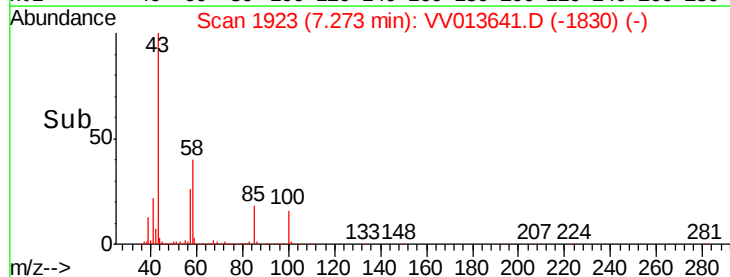
200000

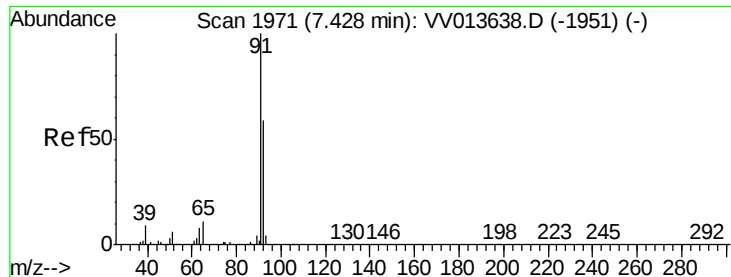
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.517 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

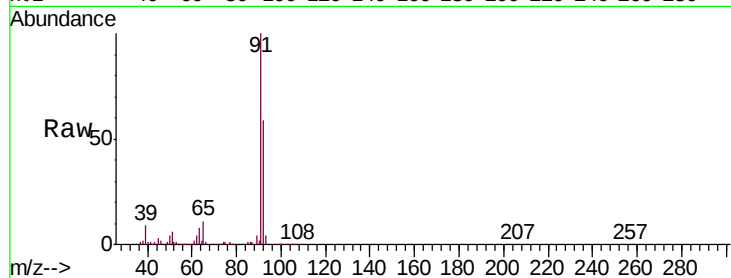
VICV36

Tgt Ion: 91 Resp: 726735

Ion Ratio Lower Upper

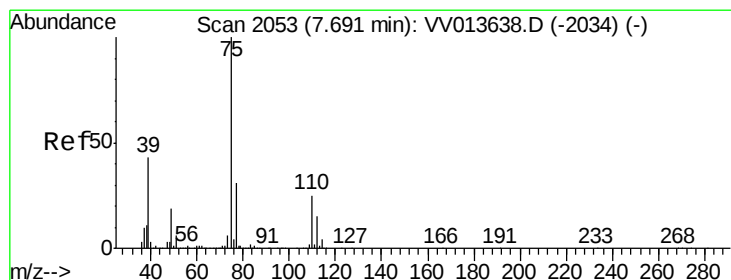
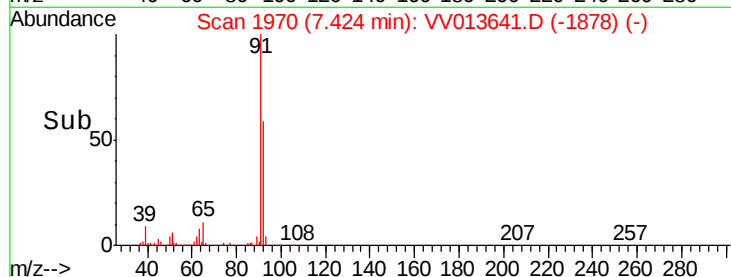
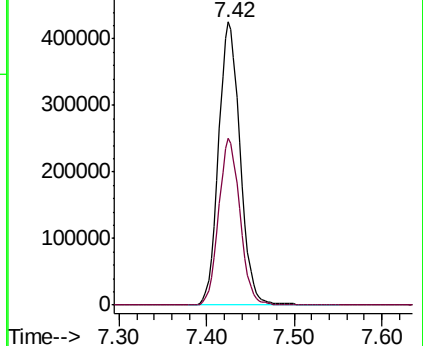
91 100

92 59.0 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV013641.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VV013641.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.300 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013641.D

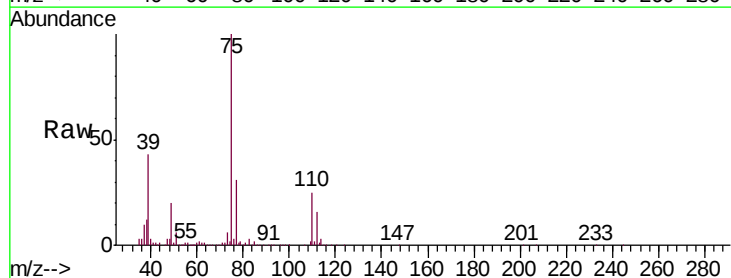
Acq: 15 Nov 2019 15:35

Tgt Ion: 75 Resp: 177284

Ion Ratio Lower Upper

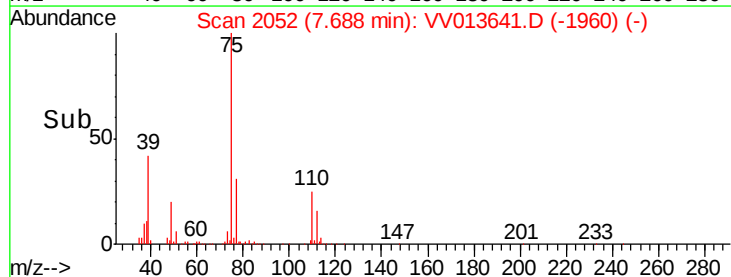
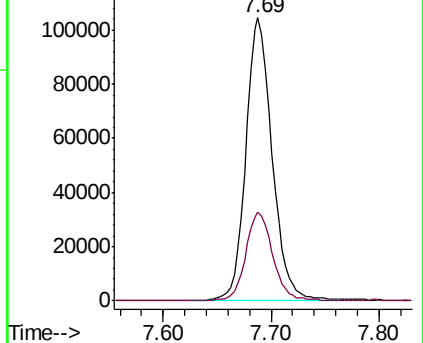
75 100

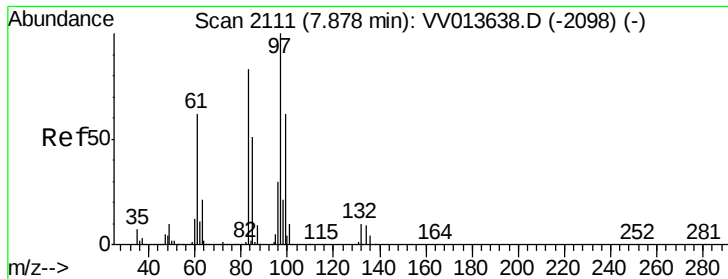
77 31.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV013641.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VV013641.D (-2052) (-)

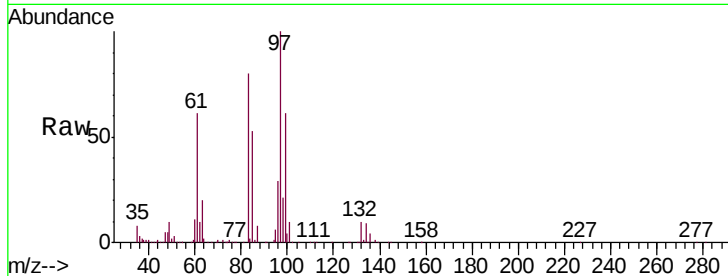




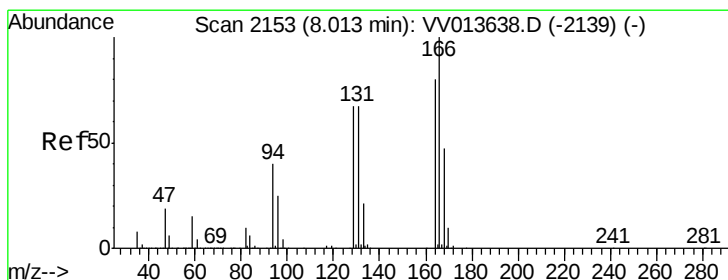
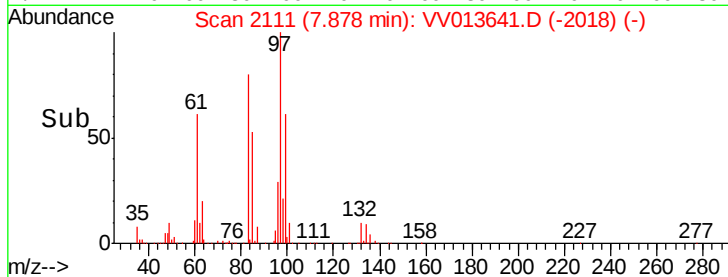
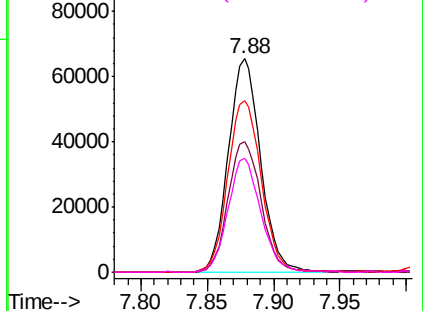
#45
1,1,2-Trichloroethane
Concen: 5.201 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Tgt Ion:	97	Resp:	110732
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.8	81.3
83	80.4	58.0	107.8
85	53.4	36.0	67.0

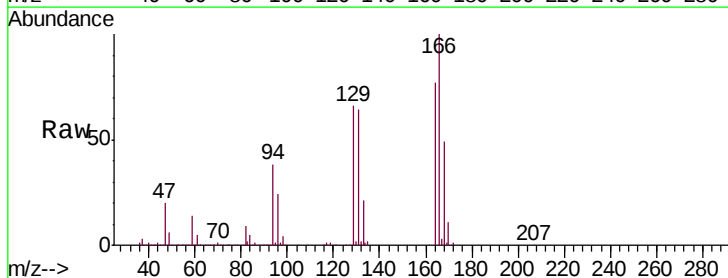


Abundance Ion 96.95 (96.65 to 97.65): VV013641.D (-2098) (-)
Ion 99.05 (98.75 to 99.75): VV013641.D (-2098) (-)
Ion 82.95 (82.65 to 83.65): VV013641.D (-2098) (-)
Ion 85.00 (84.70 to 85.70): VV013641.D (-2098) (-)

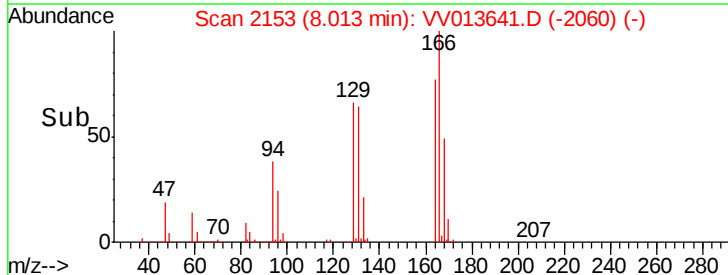
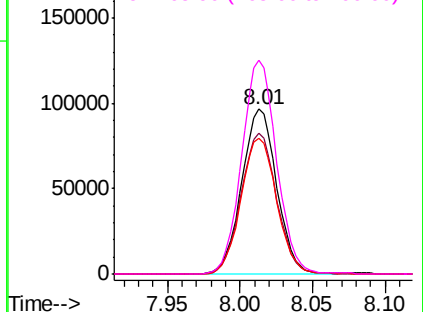


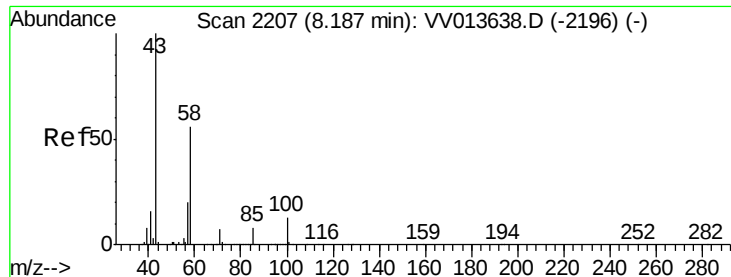
#47
Tetrachloroethene
Concen: 5.312 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Tgt Ion:	164	Resp:	162458
Ion	Ratio	Lower	Upper
164	100		
129	85.2	59.1	109.9
131	82.4	58.9	109.5
166	129.6	87.8	163.2



Abundance Ion 163.90 (163.60 to 164.60): VV013641.D (-2060) (-)
Ion 128.95 (128.65 to 129.65): VV013641.D (-2060) (-)
Ion 130.95 (130.65 to 131.65): VV013641.D (-2060) (-)
Ion 165.90 (165.60 to 166.60): VV013641.D (-2060) (-)

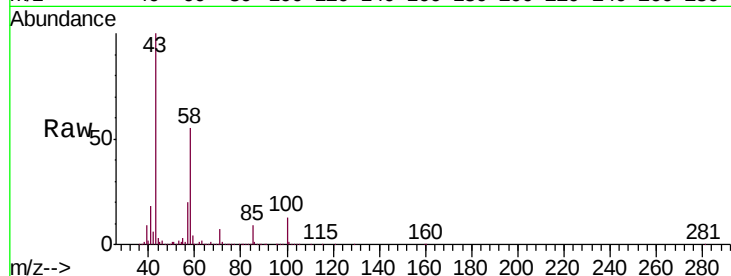




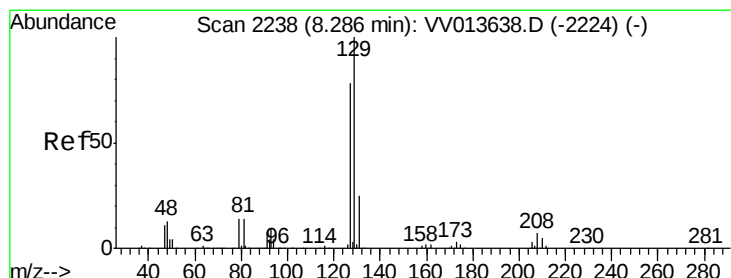
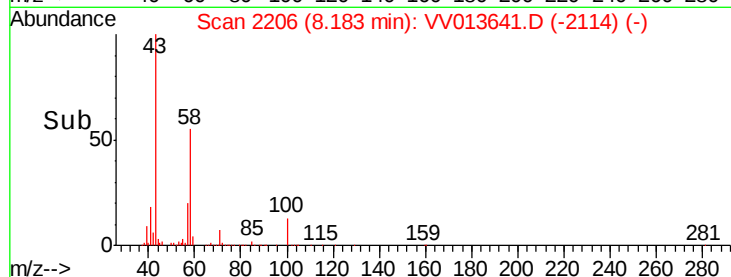
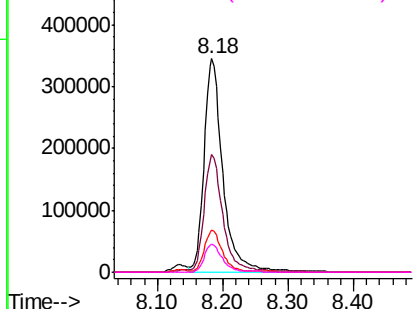
#48
2-Hexanone
Concen: 56.018 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Instrument :
MSVOA_V
ClientSampled :
VICV36

Tgt Ion: 43 Resp: 682473
Ion Ratio Lower Upper
43 100
58 54.3 43.0 64.6
57 18.7 15.4 23.2
100 12.8 10.1 15.1

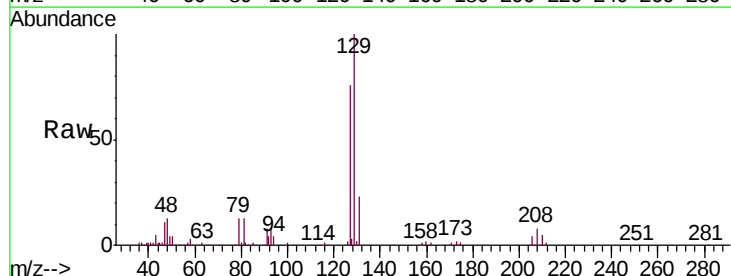


Abundance Ion 43.05 (42.75 to 43.75): VV013641.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV013641.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV013641.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV013641.D (-2196) (-)

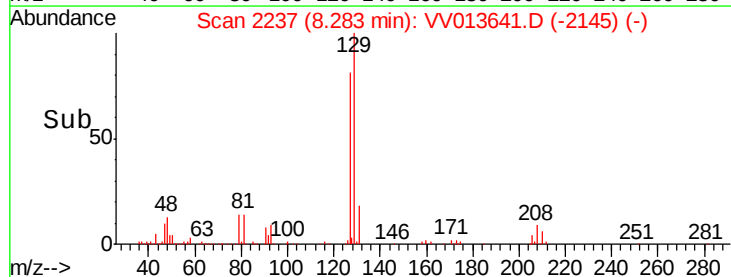
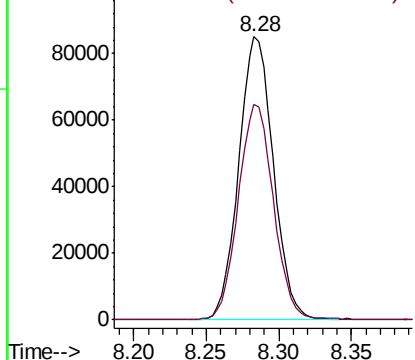


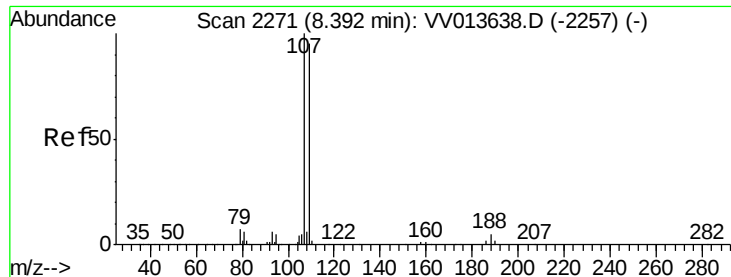
#49
Dibromochloromethane
Concen: 5.231 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Tgt Ion: 129 Resp: 141387
Ion Ratio Lower Upper
129 100
127 76.3 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013641.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013641.D (-2145) (-)

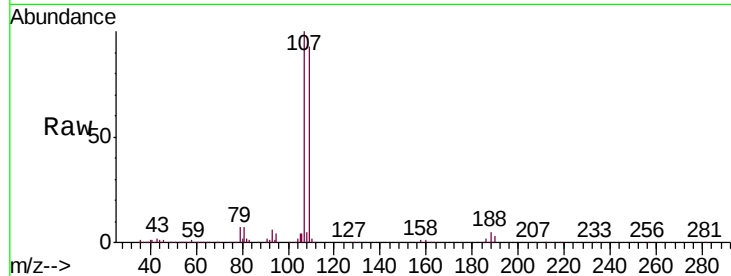




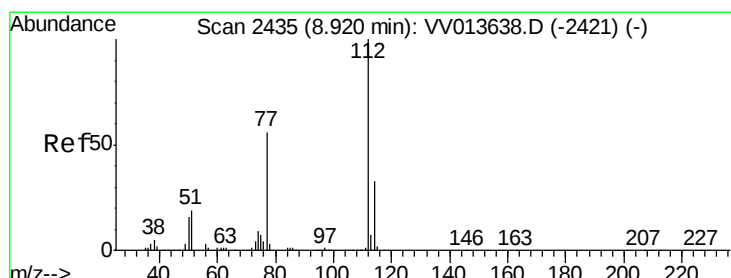
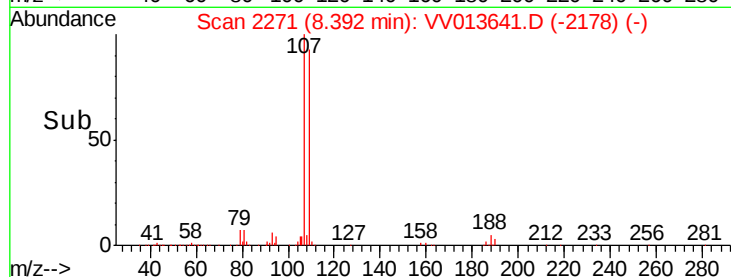
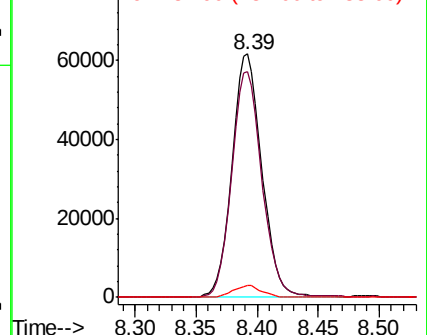
#50
1,2-Dibromoethane
Concen: 5.150 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Instrument :
MSVOA_V
ClientSampled :
VICV36

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.5	123.5
188	4.9	3.6	5.4

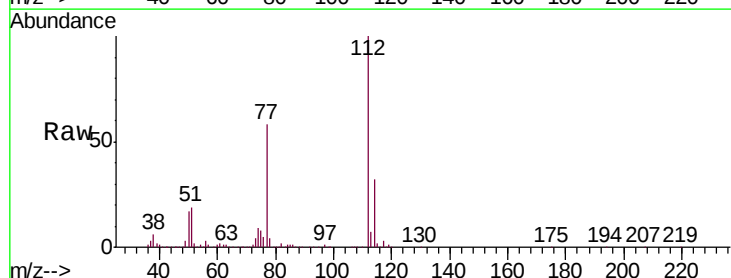


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

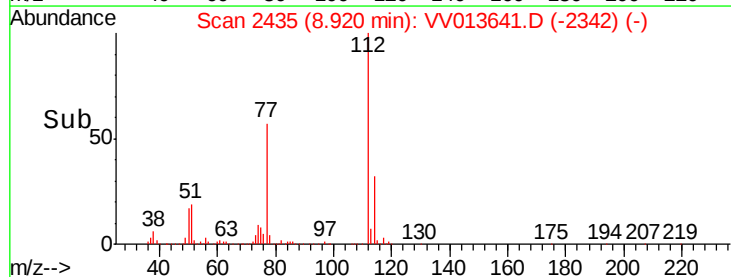
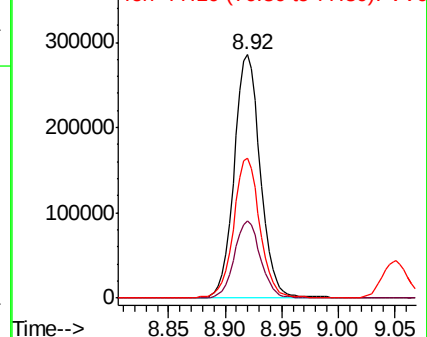


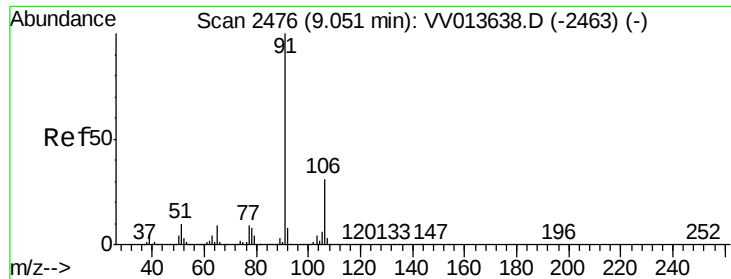
#51
Chlorobenzene
Concen: 5.271 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013641.D
Acq: 15 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.8	42.4
77	57.5	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): VV0





#52

Ethylbenzene

Concen: 5.571 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampled :

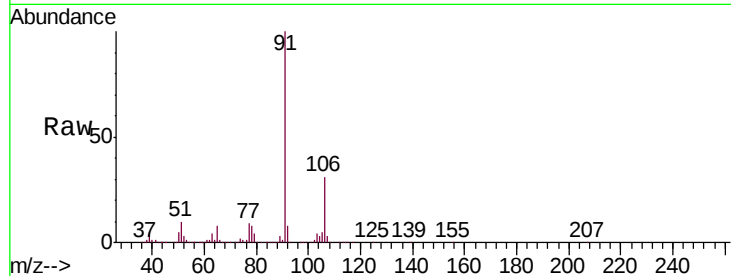
VICV36

Tgt Ion: 91 Resp: 782296

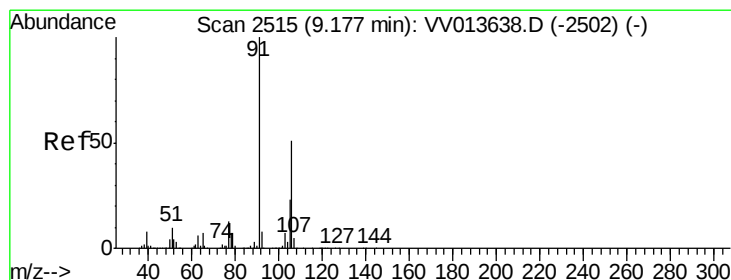
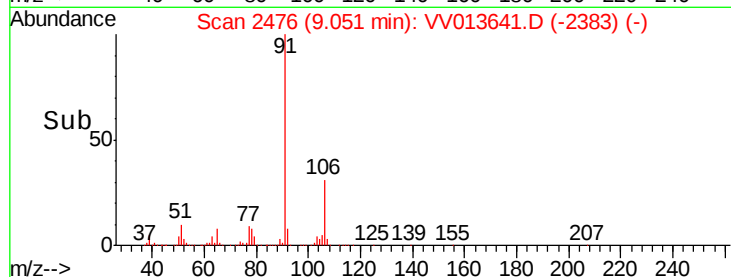
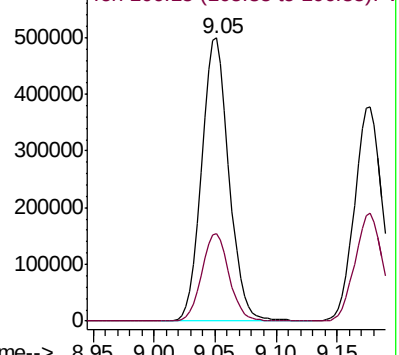
Ion Ratio Lower Upper

91 100

106 31.1 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013641.D (-2383) (-)



#53

m,p-xylene

Concen: 5.754 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013641.D

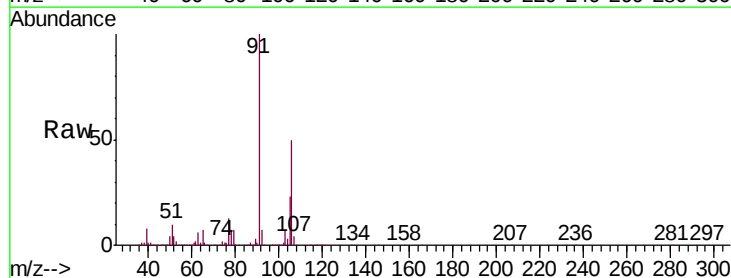
Acq: 15 Nov 2019 15:35

Tgt Ion: 106 Resp: 304719

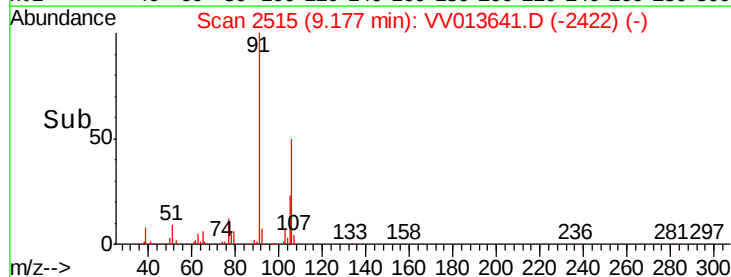
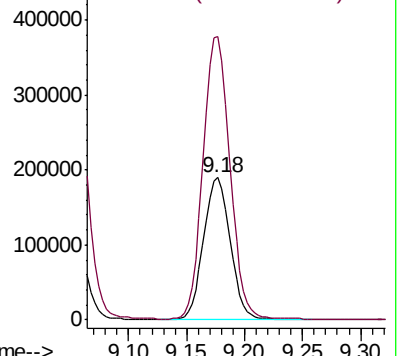
Ion Ratio Lower Upper

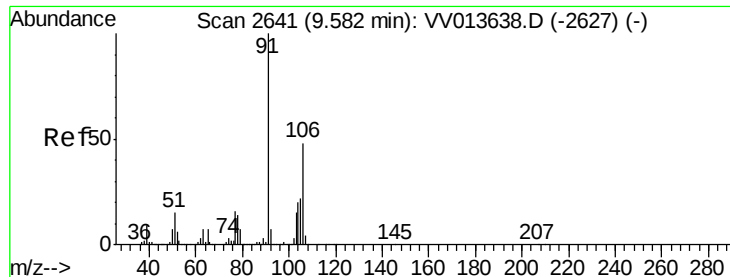
106 100

91 199.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013641.D (-2422) (-)





#54

o-xylene

Concen: 5.689 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

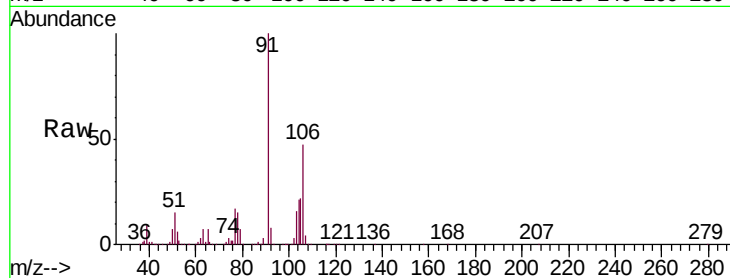
VICV36

Tgt Ion:106 Resp: 289768

Ion Ratio Lower Upper

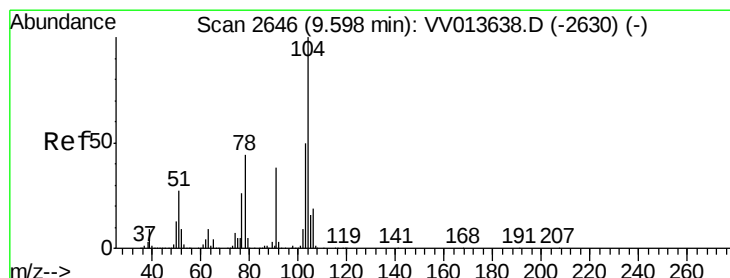
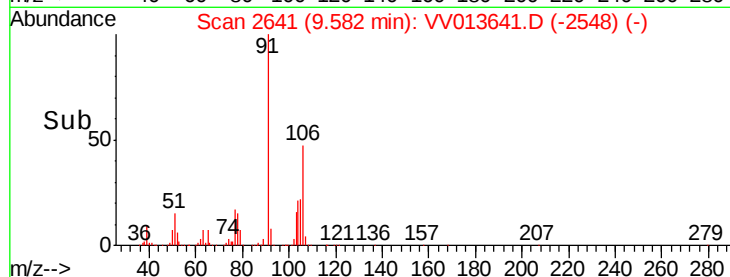
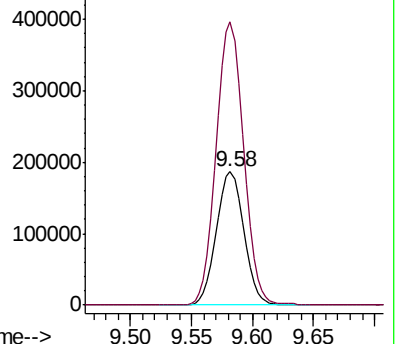
106 100

91 212.1 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.801 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013641.D

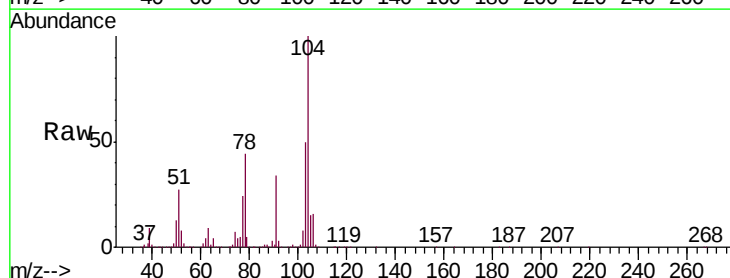
Acq: 15 Nov 2019 15:35

Tgt Ion:104 Resp: 499793

Ion Ratio Lower Upper

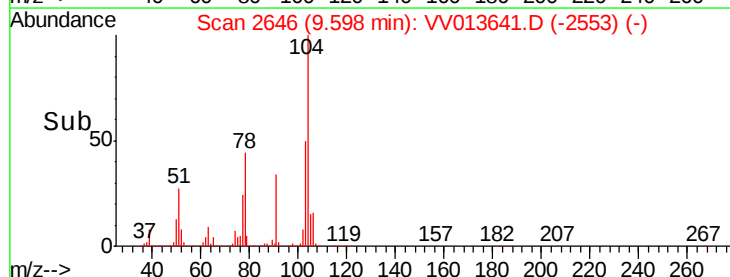
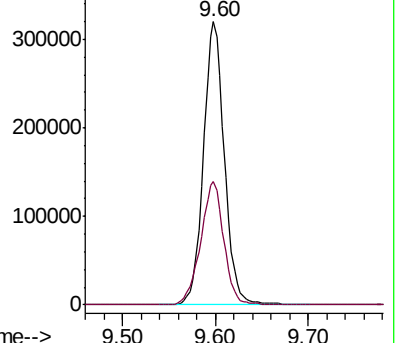
104 100

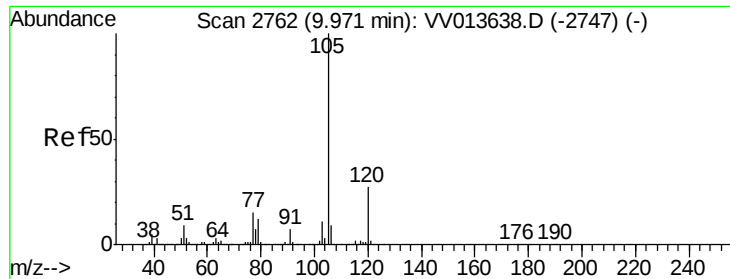
78 43.5 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.802 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VICV36

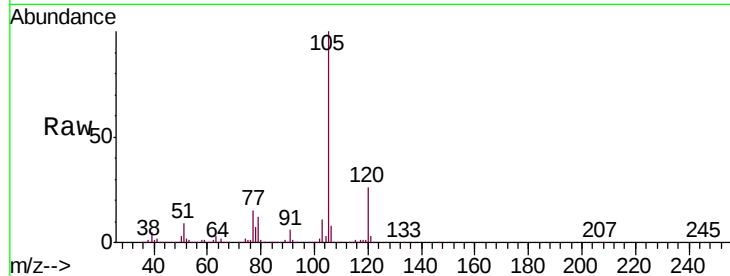
Tgt Ion: 105 Resp: 785862

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

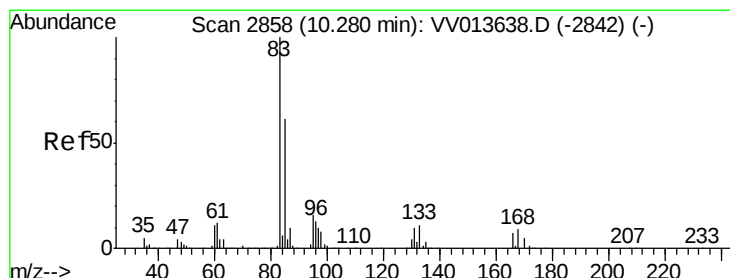
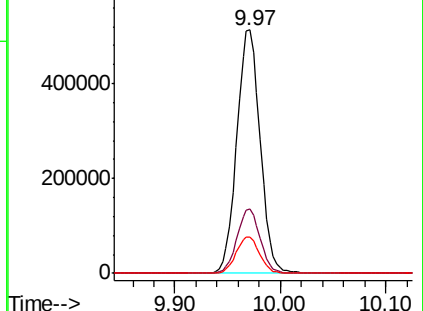
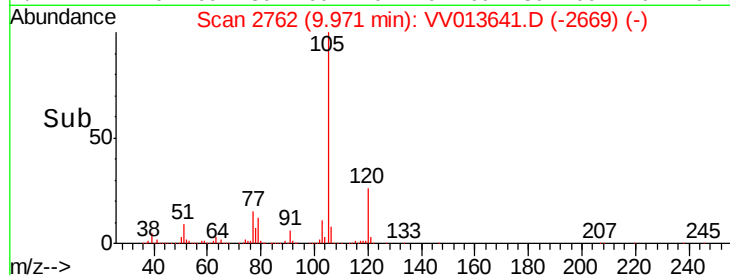
77 15.0 11.9 17.9



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: 5.254 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

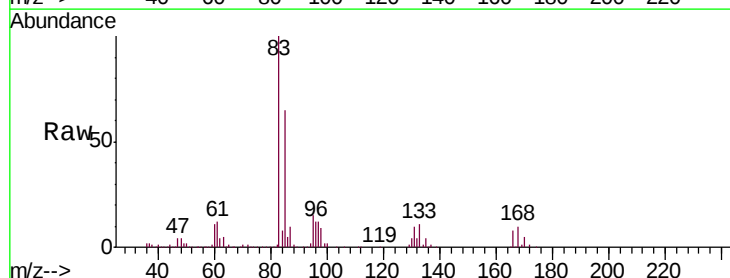
Tgt Ion: 83 Resp: 124098

Ion Ratio Lower Upper

83 100

85 65.3 43.0 80.0

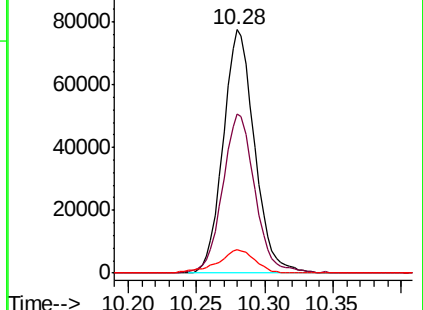
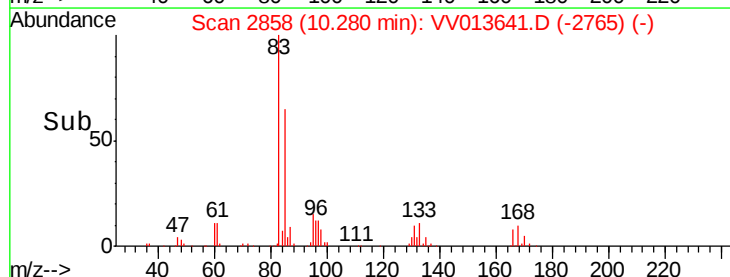
131 9.5 8.3 12.5

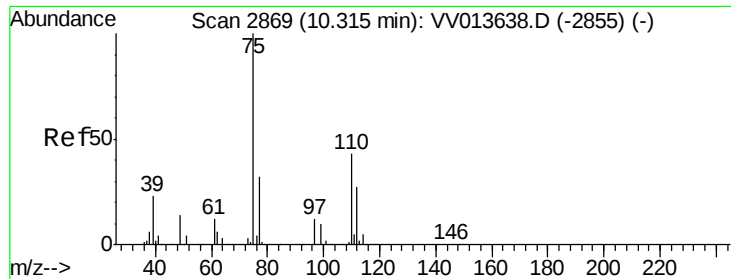


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

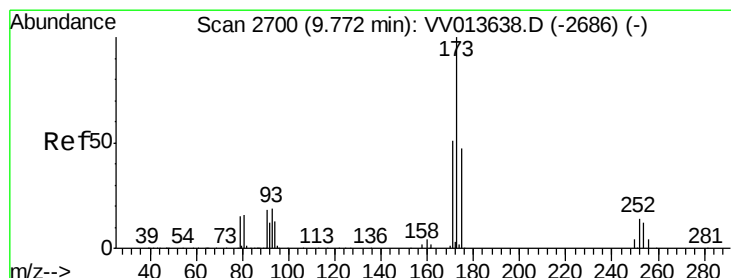
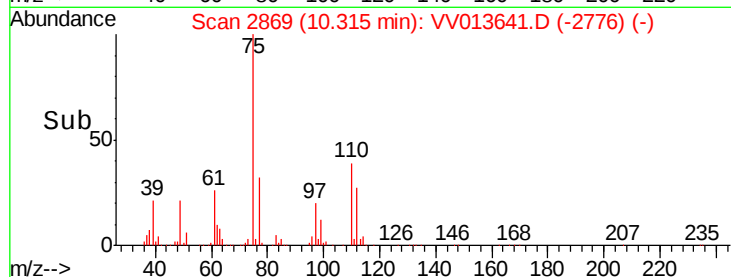
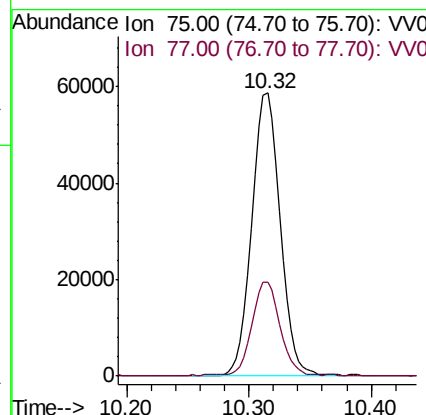
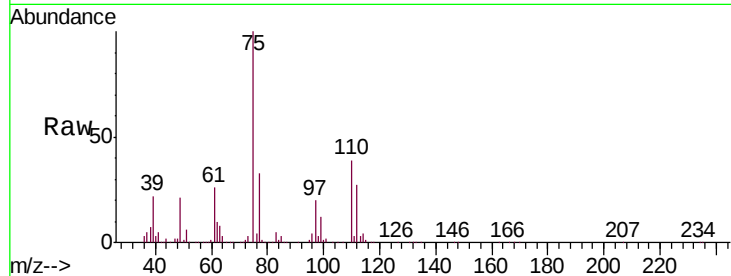




#59
 1,2,3-Trichloropropane
 Concen: 5.140 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

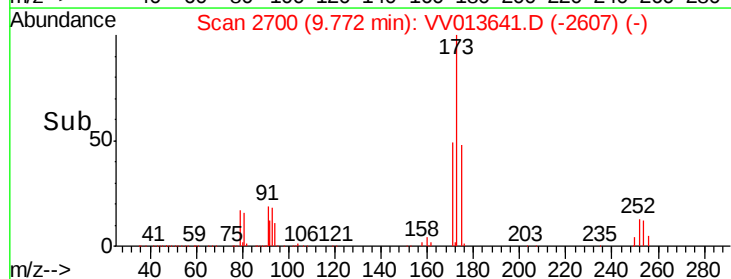
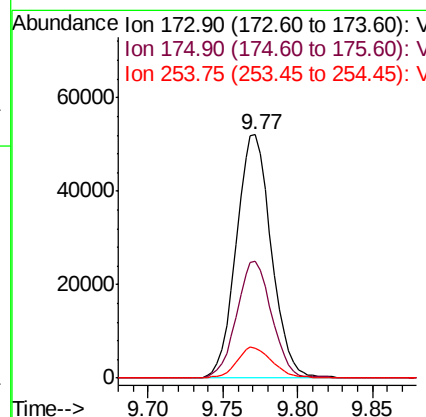
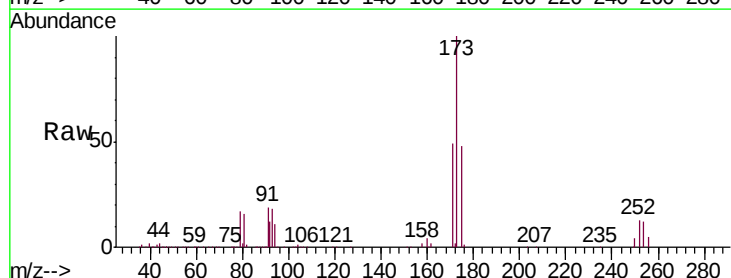
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

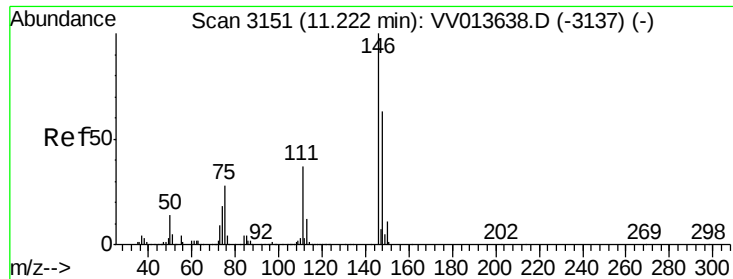
Tgt Ion: 75 Resp: 93804
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.6 38.4



#61
 Bromoform
 Concen: 5.214 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Tgt Ion: 173 Resp: 84926
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.2 57.2
 254 12.8 10.4 15.6

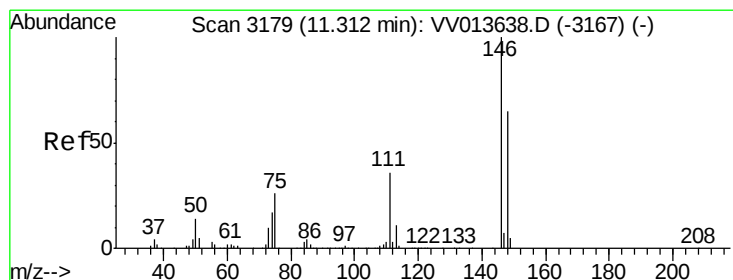
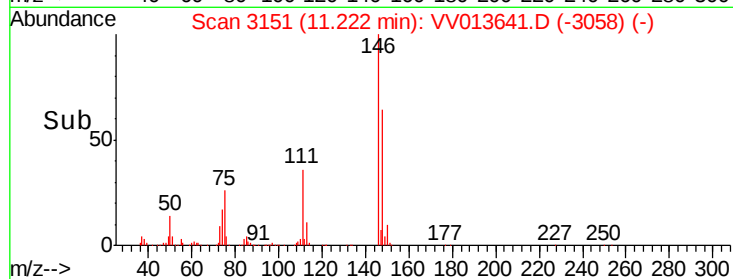
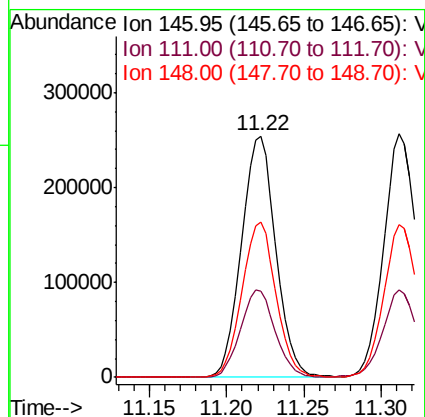
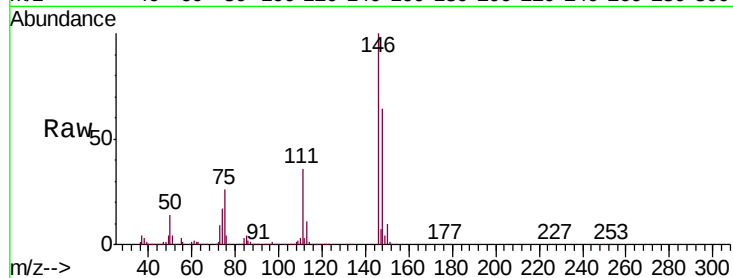




#62
 1,3-Dichlorobenzene
 Concen: 5.367 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

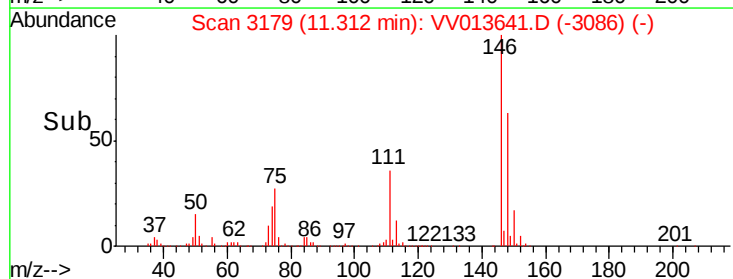
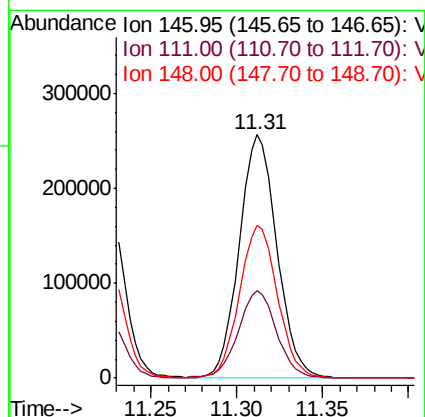
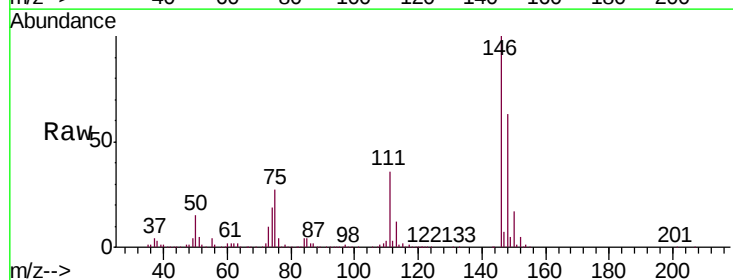
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

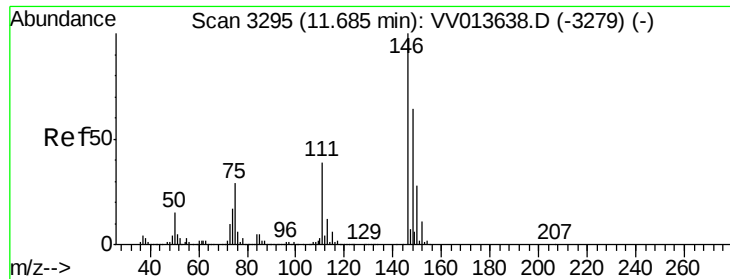
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.2	48.6
148	64.3	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 5.226 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	25.6	47.6
148	62.9	45.6	84.8

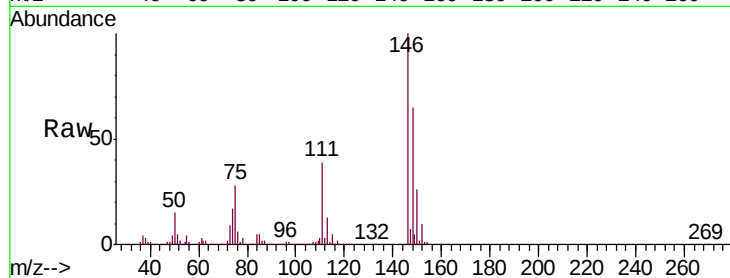




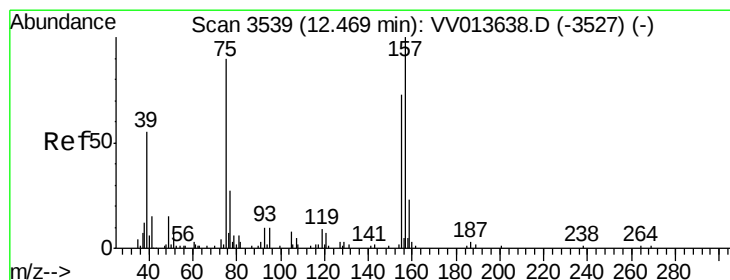
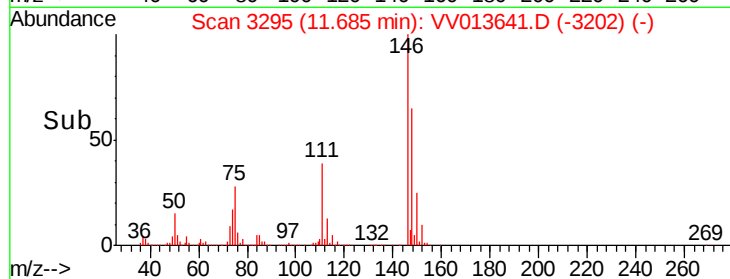
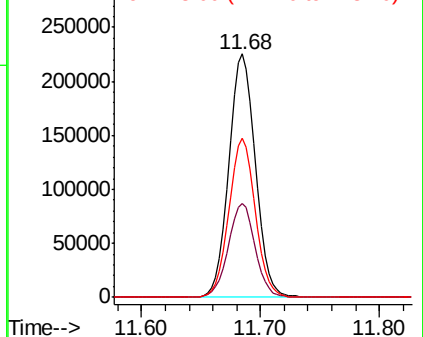
#65
 1,2-Dichlorobenzene
 Concen: 5.138 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion: 146 Resp: 349058
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.3 46.9
 148 65.5 51.1 76.7

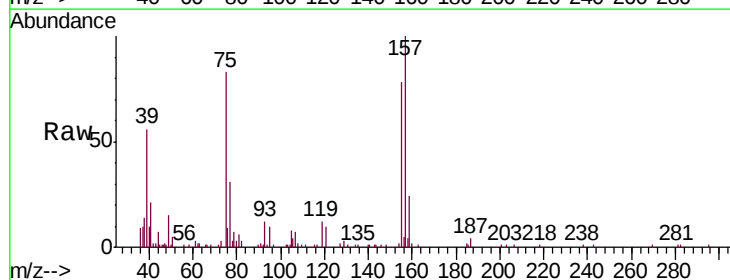


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

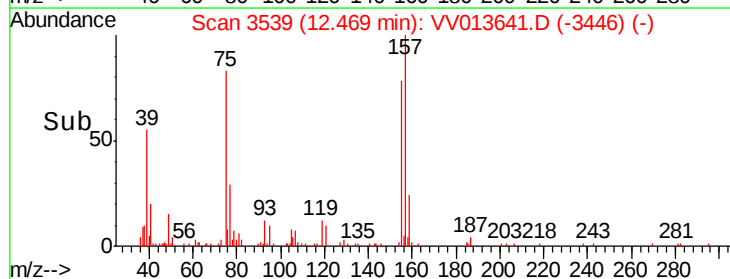
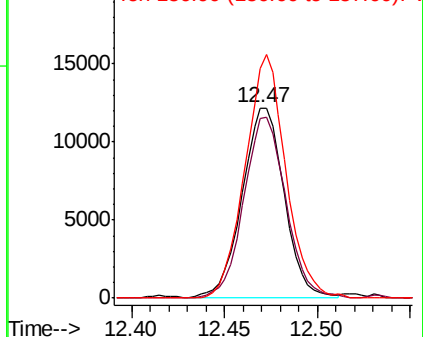


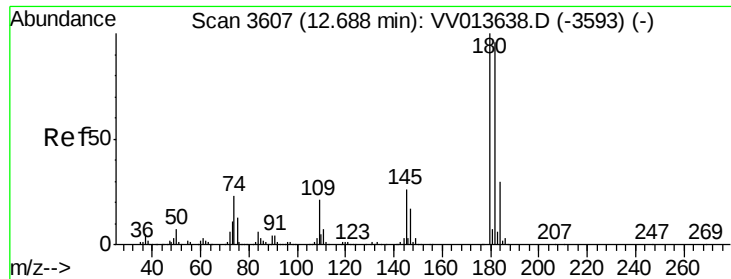
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.767 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Tgt Ion: 75 Resp: 19332
 Ion Ratio Lower Upper
 75 100
 155 94.7 64.8 97.2
 157 120.9 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

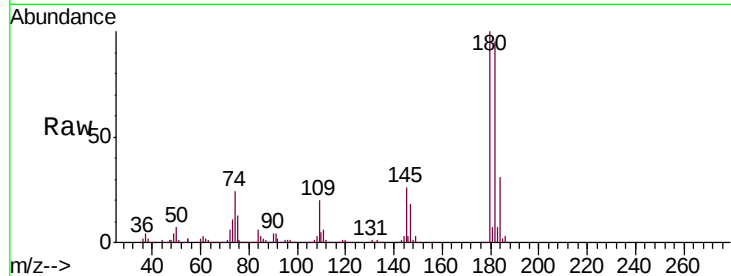




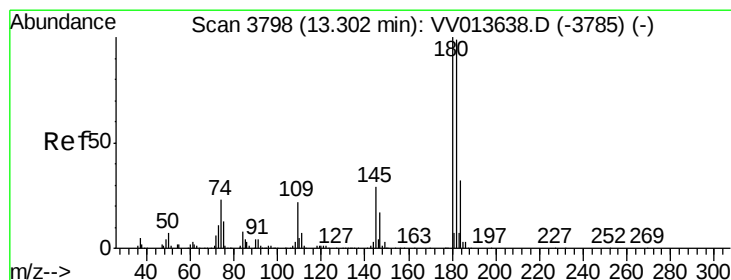
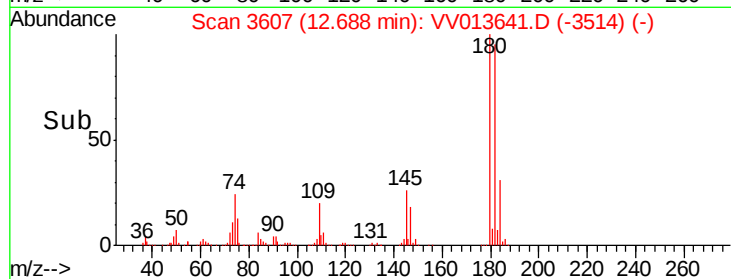
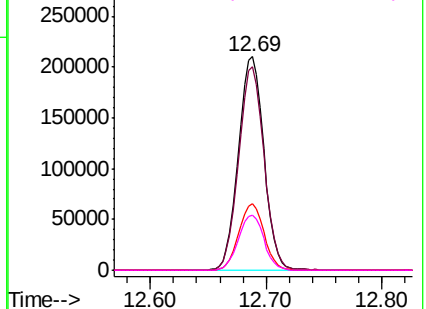
#67
 1,3,5-Trichlorobenzene
 Concen: 5.281 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion:	180	Resp:	319678
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
184	30.8	24.4	36.6
145	25.9	21.5	32.3

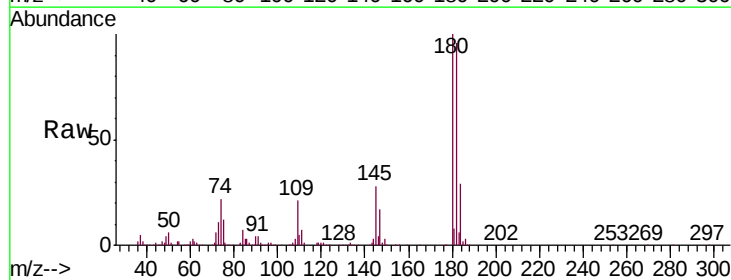


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

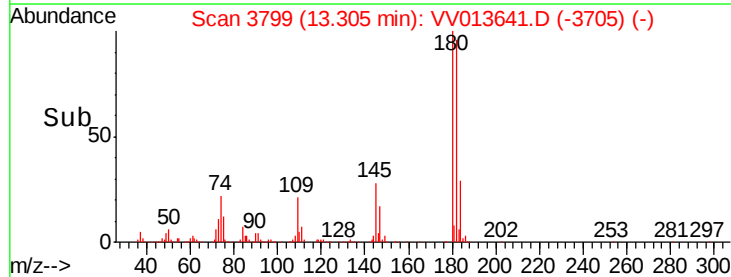
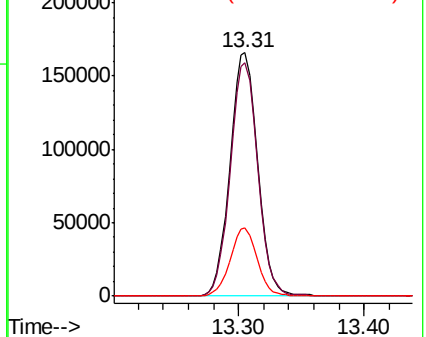


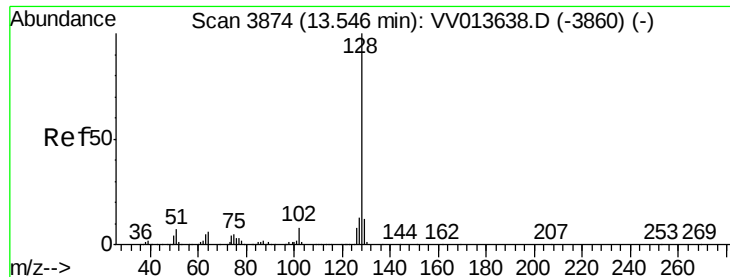
#68
 1,2,4-trichlorobenzene
 Concen: 5.107 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013641.D
 Acq: 15 Nov 2019 15:35

Tgt Ion:	180	Resp:	253948
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
145	27.3	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: 5.072 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_V

ClientSampled :

VICV36

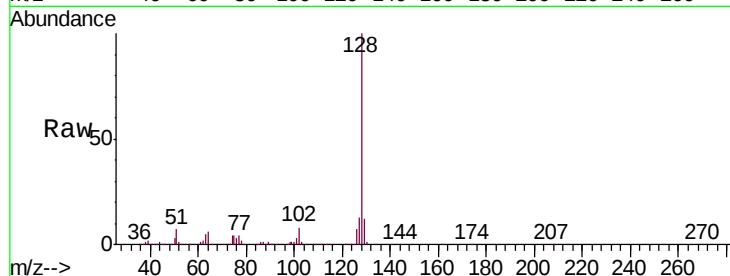
Tgt Ion:128 Resp: 344414

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

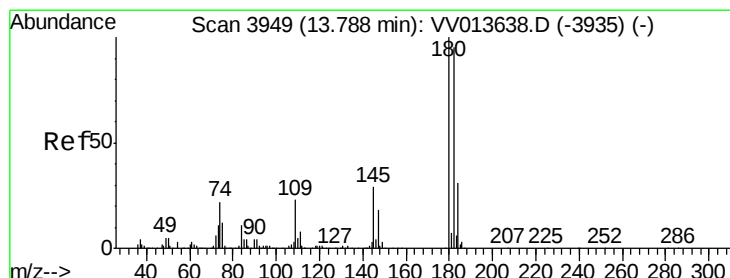
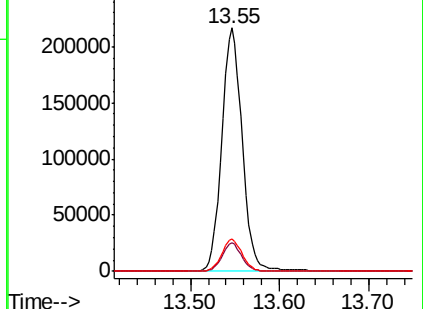
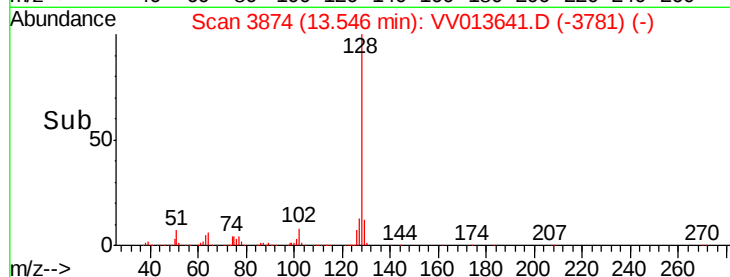
127 13.4 10.4 15.6



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: 5.271 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013641.D

Acq: 15 Nov 2019 15:35

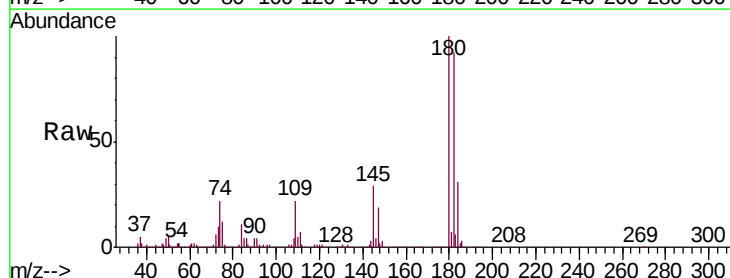
Tgt Ion:180 Resp: 239407

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 28.7 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

