

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015137.D
 Acq On : 25 Mar 2020 12:09
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 13:21:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 13:17:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	770251	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	746608	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	360245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	621624	97.94	ug/L	0.00
7) Chloroethane-d5	1.58	69	559083	88.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1230541	102.30	ug/L	0.00
21) 2-Butanone-d5	3.93	46	838097	171.84	ug/L	0.00
24) Chloroform-d	4.38	84	1033081	89.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	653493	84.01	ug/L	0.00
32) Benzene-d6	5.08	84	2059518	89.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	654400	85.07	ug/L	0.00
41) Toluene-d8	7.34	98	1996038	97.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	364697	87.60	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	652839	163.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	949385	82.22	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	762187	92.01	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	602957	137.711	ug/L	99
3) Chloromethane	1.25	50	635556	86.892	ug/L	99
5) Vinyl chloride	1.32	62	669888	102.783	ug/L	99
6) Bromomethane	1.53	94	420248	89.685	ug/L	97
8) Chloroethane	1.60	64	453767	83.885	ug/L	99
9) Trichlorofluoromethane	1.76	101	1089656	134.317	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	541165	135.094	ug/L	100
12) 1,1-Dichloroethene	2.13	96	527629	108.872	ug/L	99
13) Acetone	2.13	43	8493	2.952	ug/L	69
14) Carbon disulfide	2.31	76	1406108	107.712	ug/L	99
15) Methyl Acetate	2.46	43	517503	79.630	ug/L	99
16) Methylene chloride	2.52	84	518861	86.015	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	467645	98.816	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	1611934	84.120	ug/L	100
19) 1,1-Dichloroethane	3.21	63	870996	90.312	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	528358	91.992	ug/L	# 98
22) 2-Butanone	4.02	43	753117	177.450	ug/L	100
23) Bromochloromethane	4.27	128	266615	85.132	ug/L	95
25) Chloroform	4.40	83	905593	90.556	ug/L	99
27) 1,2-Dichloroethane	5.16	62	704137	88.593	ug/L	99
29) Cyclohexane	4.70	56	818579	133.448	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	839945	105.792	ug/L	99
31) Carbon tetrachloride	4.85	117	723612	114.569	ug/L	99
33) Benzene	5.13	78	1998606	93.897	ug/L	100
34) Trichloroethene	5.94	95	527592	105.634	ug/L	98
35) Methylcyclohexane	6.15	83	854691	137.938	ug/L	99
37) 1,2-Dichloropropane	6.20	63	508469	87.492	ug/L	100
38) Bromodichloromethane	6.53	83	724562	87.099	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	893770	95.202	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	1526303	156.776	ug/L	100

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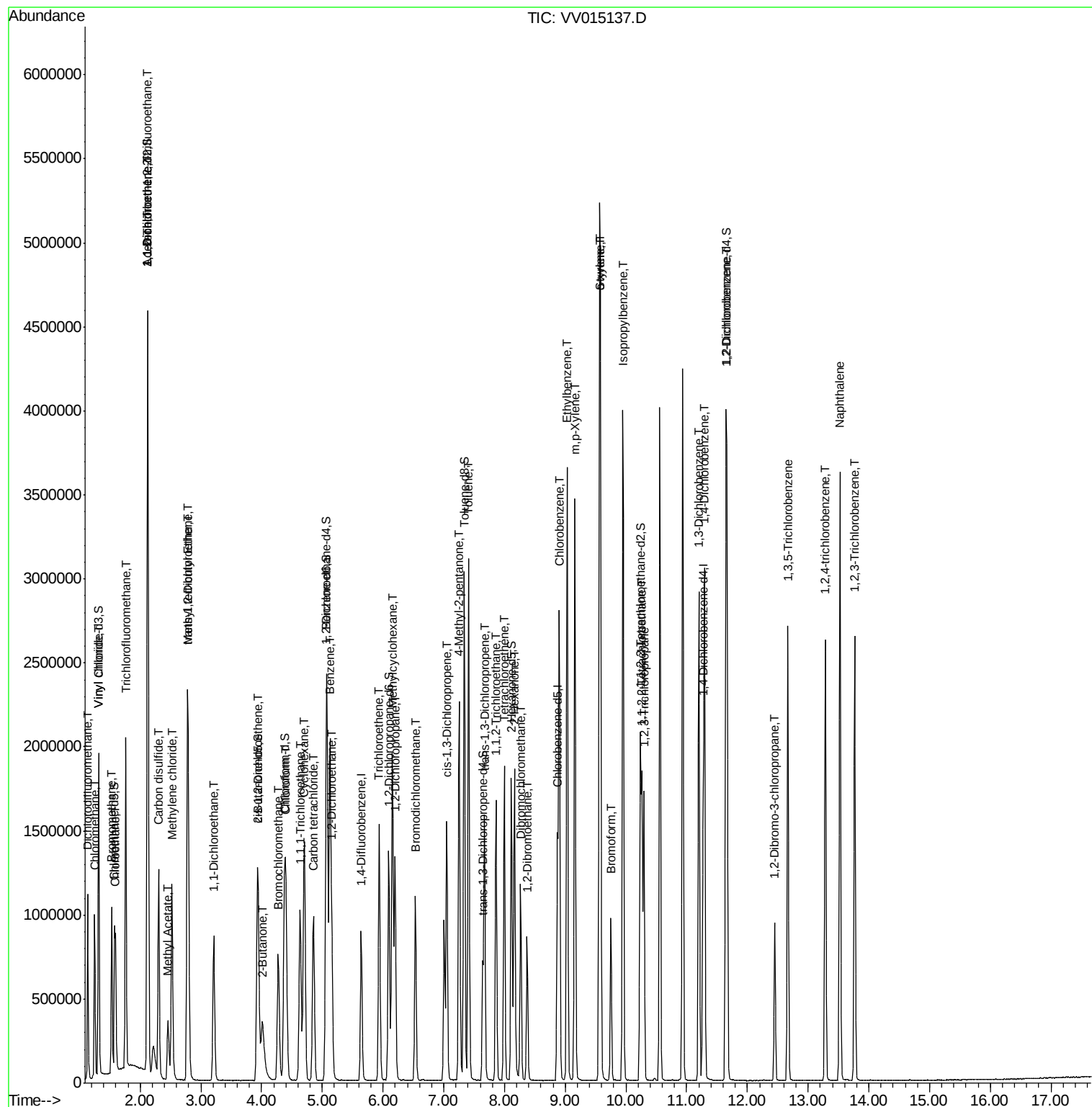
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2229375	102.718	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	860801	91.420	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	500230	82.722	ug/L	99
46) Tetrachloroethene	8.00	164	386154	119.950	ug/L	98
48) 2-Hexanone	8.16	43	1203256	168.237	ug/L	98
49) Dibromochloromethane	8.27	129	581537	85.675	ug/L	100
50) 1,2-Dibromoethane	8.37	107	554053	85.145	ug/L	97
51) Chlorobenzene	8.90	112	1432814	100.092	ug/L	100
52) Ethylbenzene	9.03	91	2537506	113.761	ug/L	99
53) m,p-Xylene	9.16	106	981273	113.862	ug/L	99
54) o-xylene	9.57	106	962685	106.163	ug/L	98
55) Styrene	9.58	104	1672503	104.884	ug/L	99
56) Isopropylbenzene	9.95	105	2528620	120.310	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	835944	83.431	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	675269	83.427	ug/L	99
61) Bromoform	9.75	173	398627	77.144	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	1110697	102.522	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1111224	100.909	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1103416	93.779	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	228297	75.875	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	756224	110.242	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	720722	103.965	ug/L	99
69) Naphthalene	13.52	128	2716145	88.138	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	718442	99.115	ug/L	99

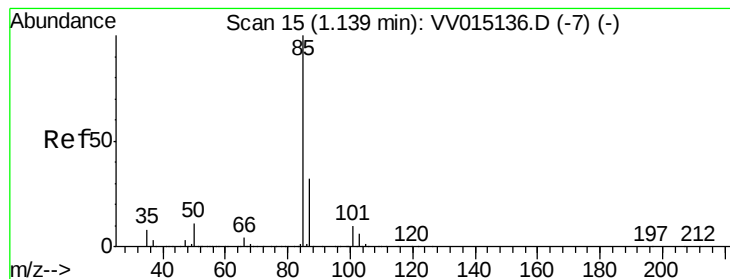
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 137.711 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

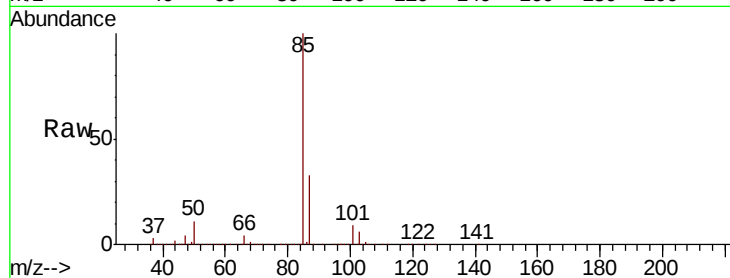
ClientSampleId :

Tot Ion: 85 Resp: 602957

Ion Ratio Lower Upper

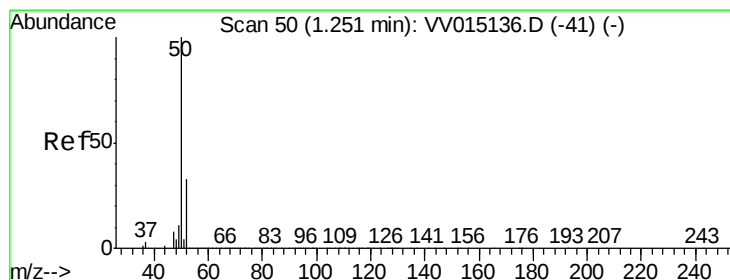
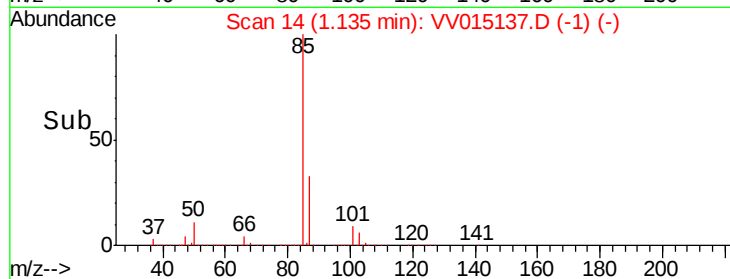
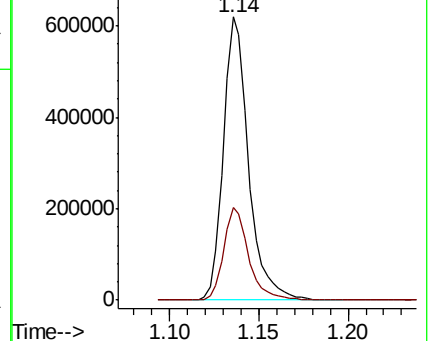
85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 86.892 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015137.D

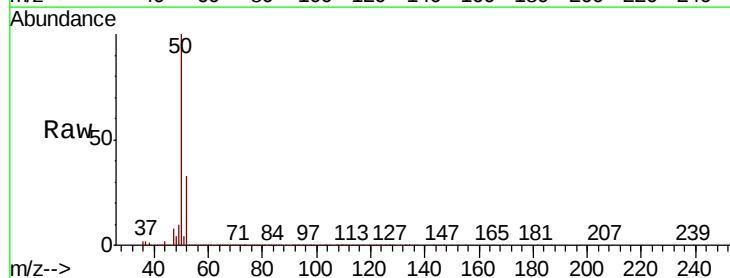
Acq: 25 Mar 2020 12:09

Tgt Ion: 50 Resp: 635556

Ion Ratio Lower Upper

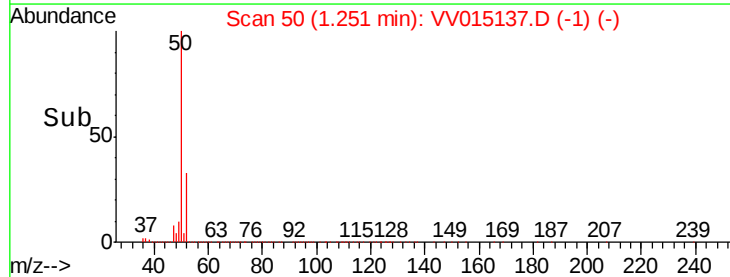
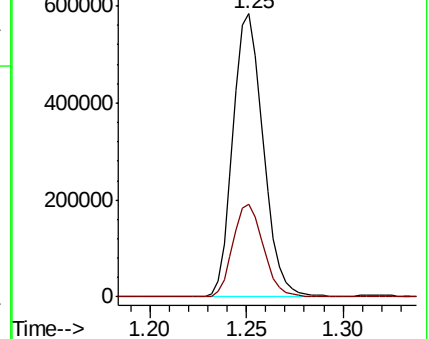
50 100

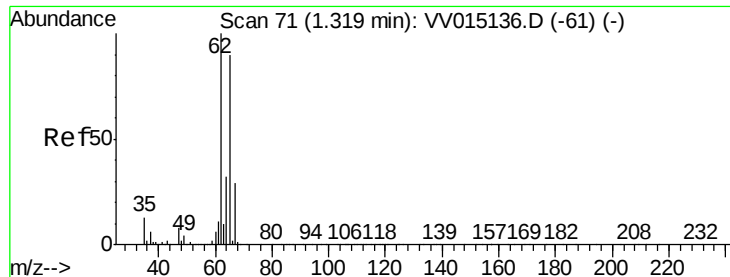
52 32.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 102.783 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

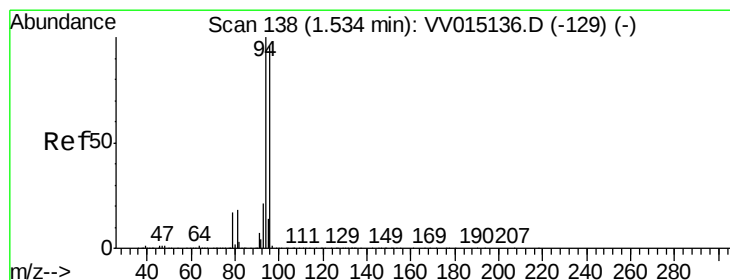
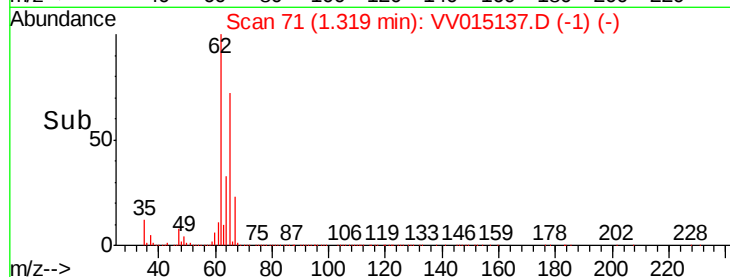
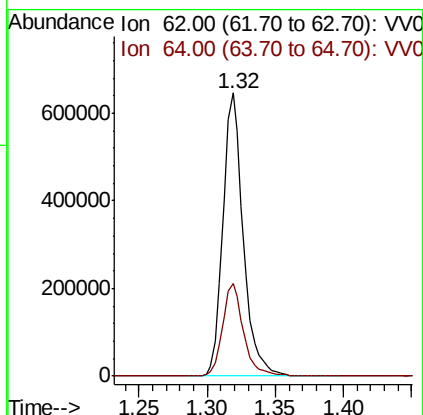
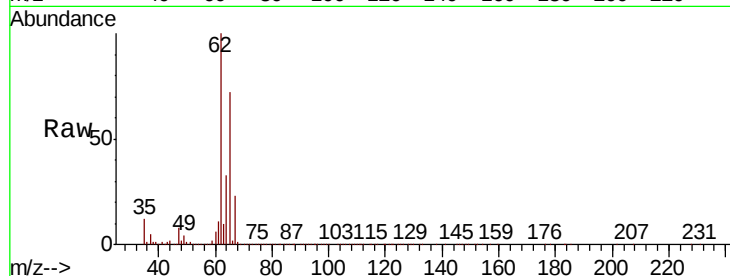
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 669888

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#6

Bromomethane

Concen: 89.685 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015137.D

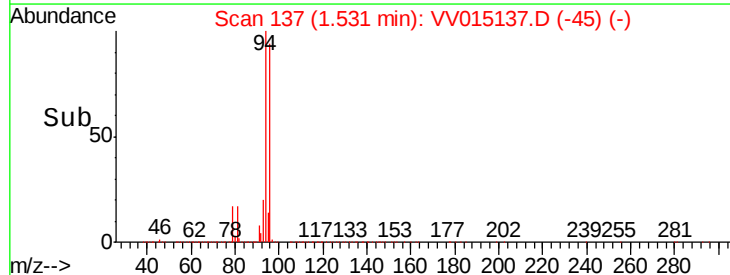
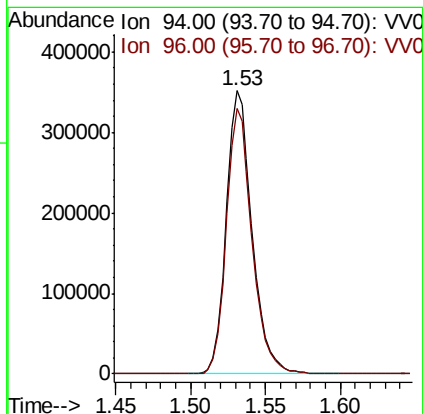
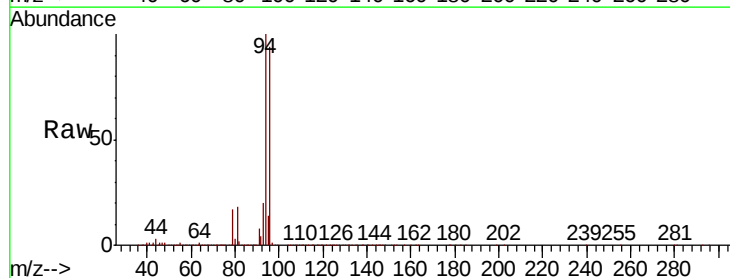
Acq: 25 Mar 2020 12:09

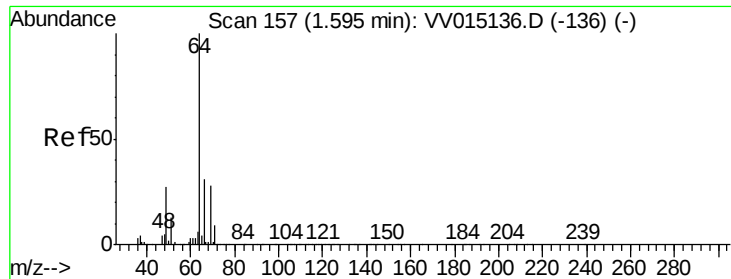
Tgt Ion: 94 Resp: 420248

Ion Ratio Lower Upper

94 100

96 93.7 67.7 125.7





#8

Chloroethane

Concen: 83.885 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

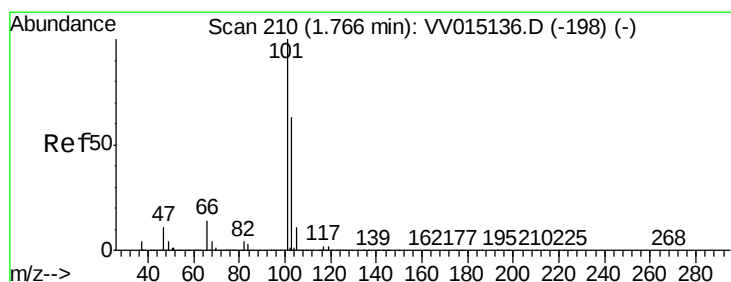
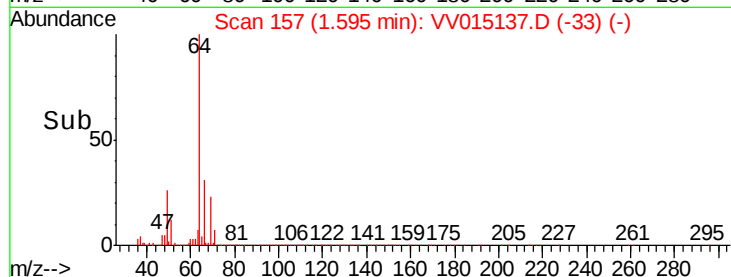
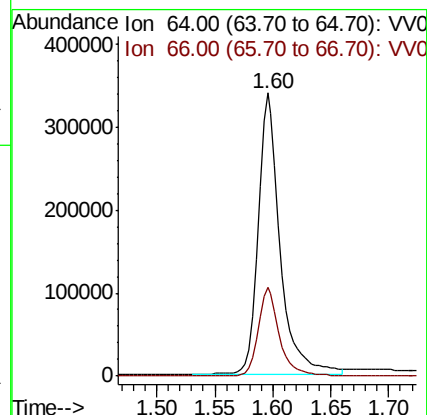
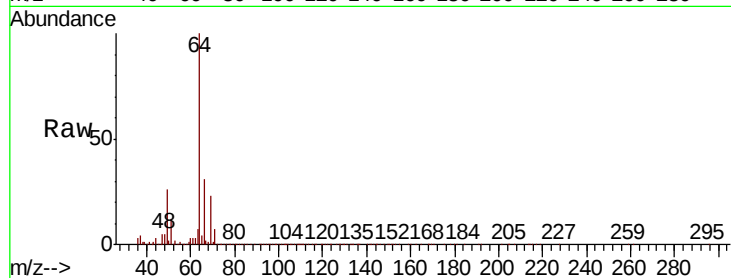
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 453767

Ion Ratio Lower Upper

64 100

66 31.2 21.6 40.2



#9

Trichlorofluoromethane

Concen: 134.317 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015137.D

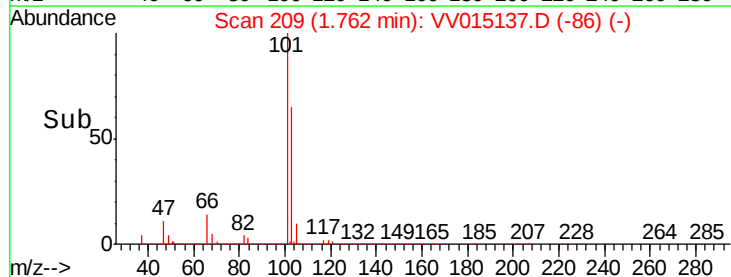
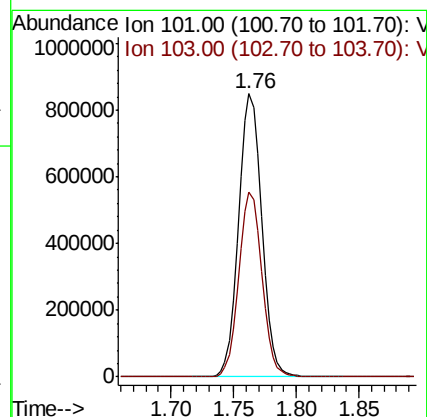
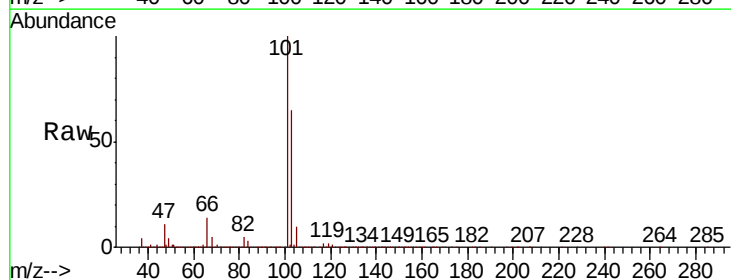
Acq: 25 Mar 2020 12:09

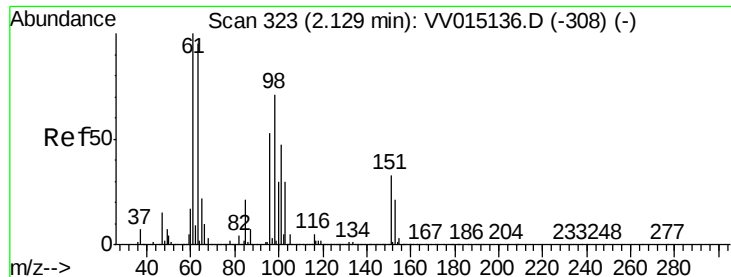
Tgt Ion: 101 Resp: 1089656

Ion Ratio Lower Upper

101 100

103 65.1 51.4 77.0





#10

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

Concen: 135.094 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

ClientSampleId :

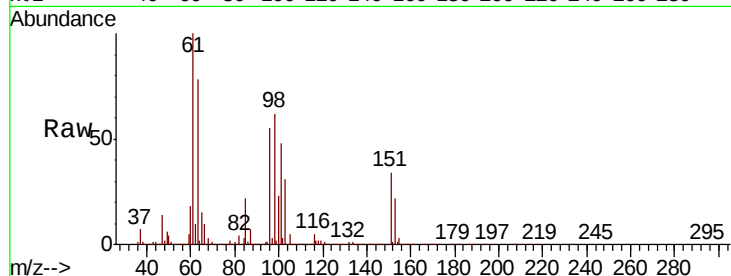
Tot Ion:101 Resp: 541165

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

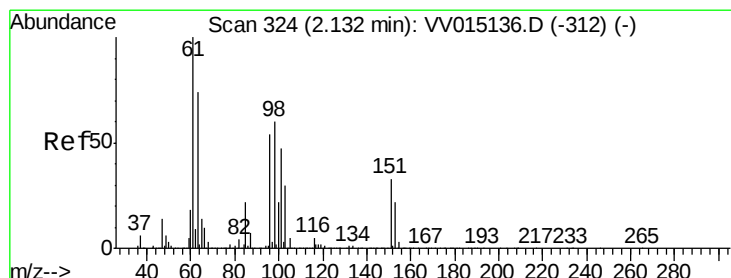
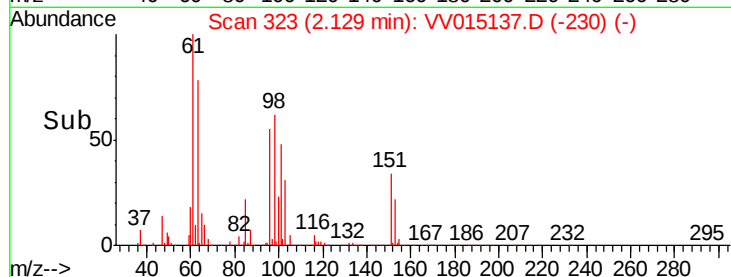
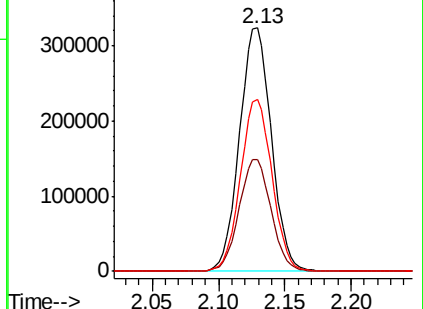
151 70.2 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV015137.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015137.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015137.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 108.872 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

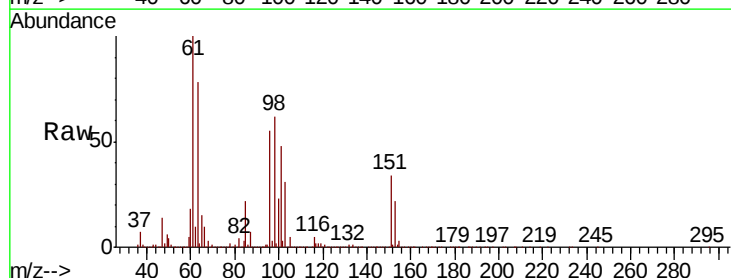
Tgt Ion: 96 Resp: 527629

Ion Ratio Lower Upper

96 100

61 182.5 128.6 238.8

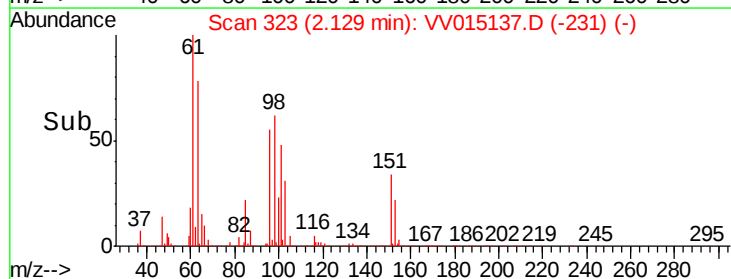
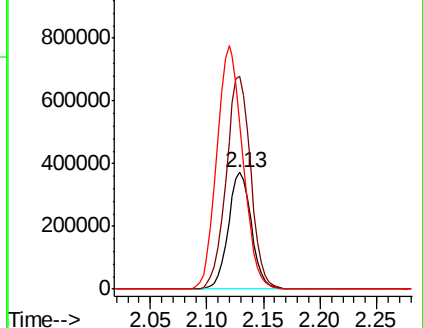
63 142.1 97.5 181.1

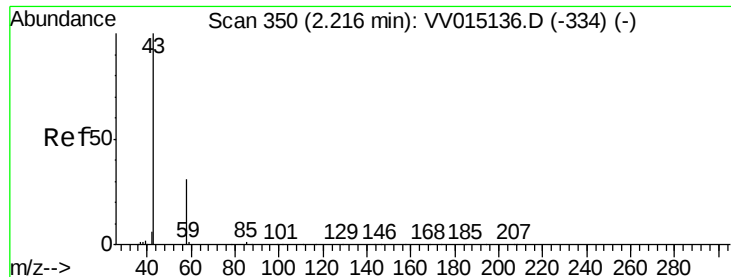


Abundance Ion 96.00 (95.70 to 96.70): VV015137.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015137.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015137.D (-231) (-)





#13

Acetone

Concen: 2.952 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.09 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

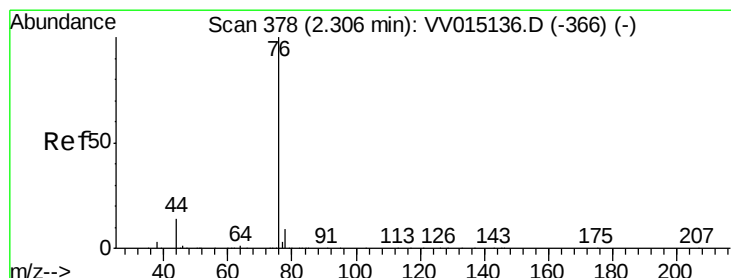
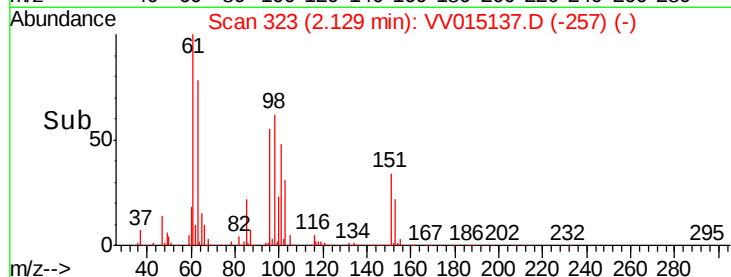
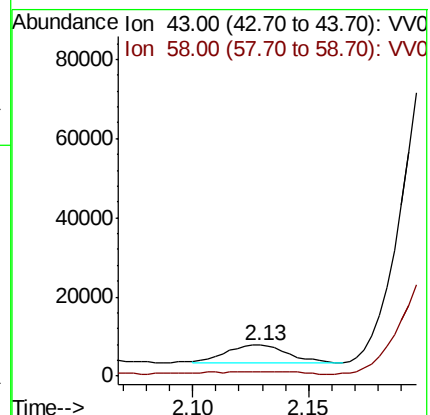
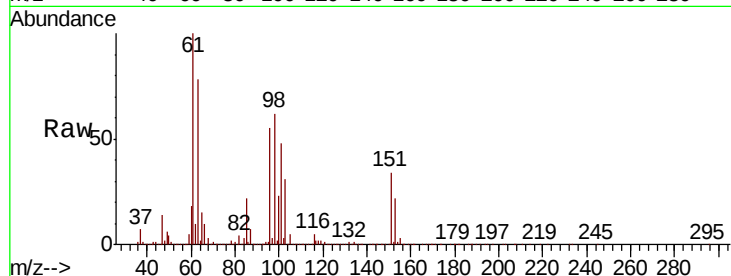
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 8493

Ion Ratio Lower Upper

43 100

58 1.5 0.0 28.4



#14

Carbon disulfide

Concen: 107.712 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015137.D

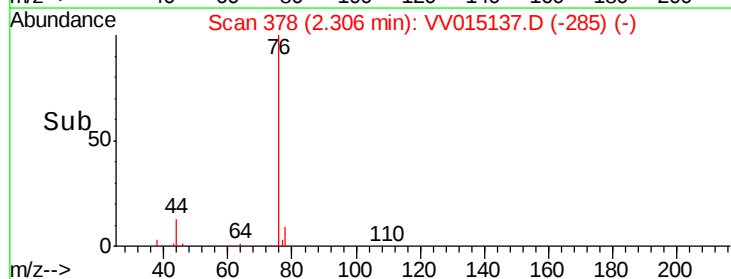
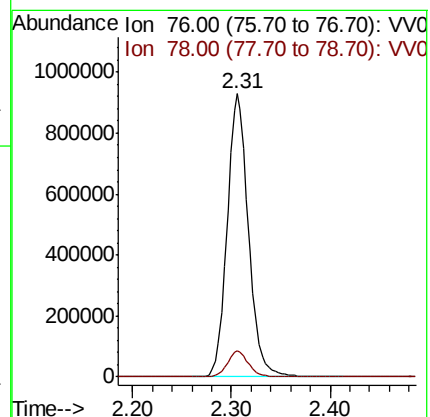
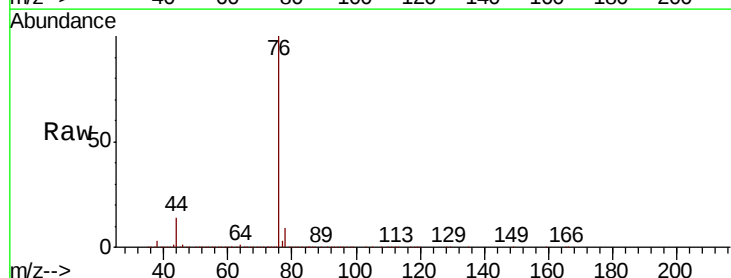
Acq: 25 Mar 2020 12:09

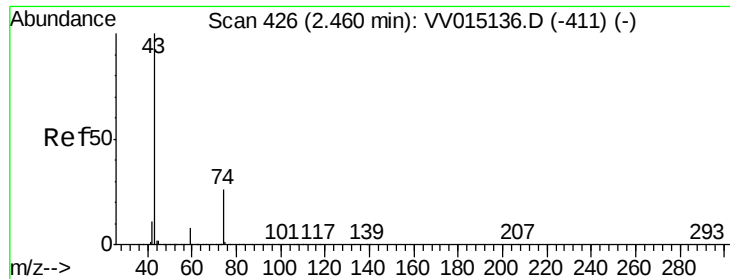
Tgt Ion: 76 Resp: 1406108

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

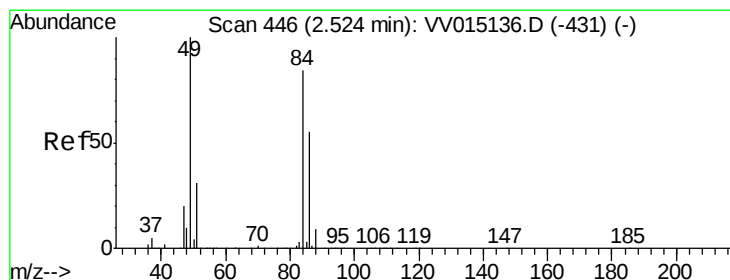
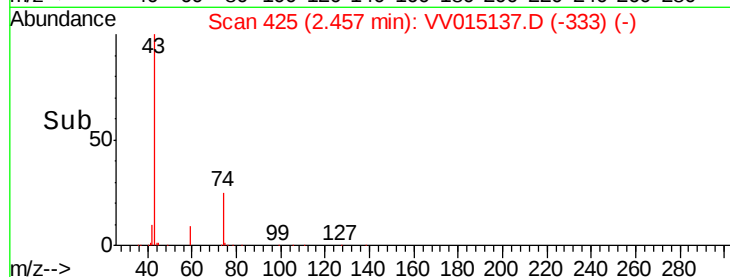
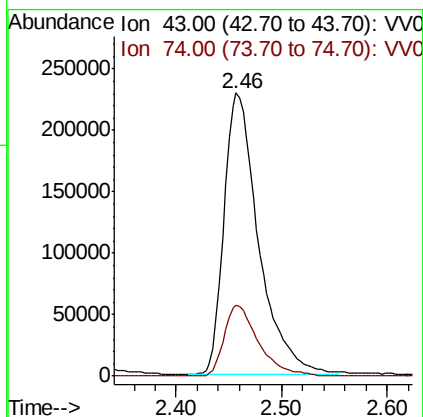
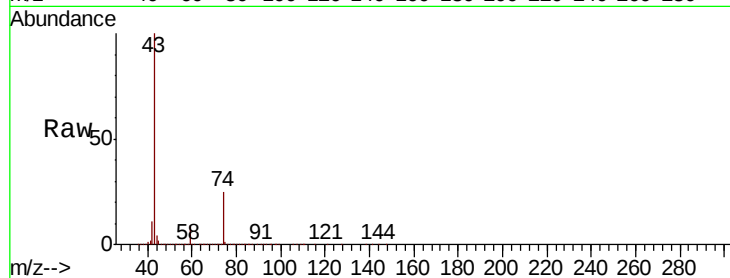




#15
Methvl Acetate
Concen: 79.630 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

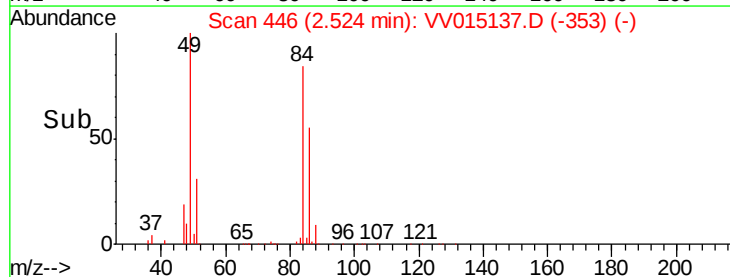
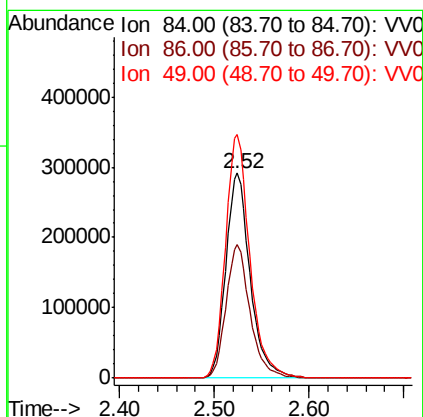
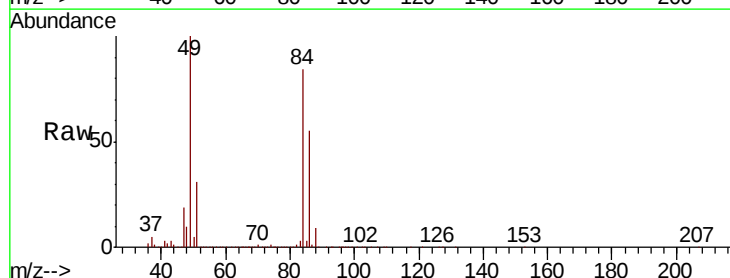
Instrument :
MSVOA_V
ClientSampled :

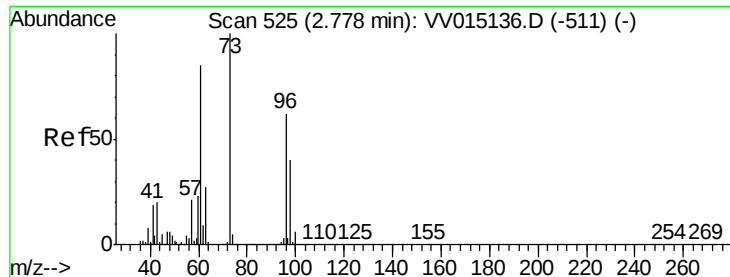
Tot Ion: 43 Resp: 517503
Ion Ratio Lower Upper
43 100
74 25.0 19.5 29.3



#16
Methylene chloride
Concen: 86.015 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

Tgt Ion: 84 Resp: 518861
Ion Ratio Lower Upper
84 100
86 65.0 45.8 85.2
49 119.0 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 98.816 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :
MSVOA_V
ClientSampled :

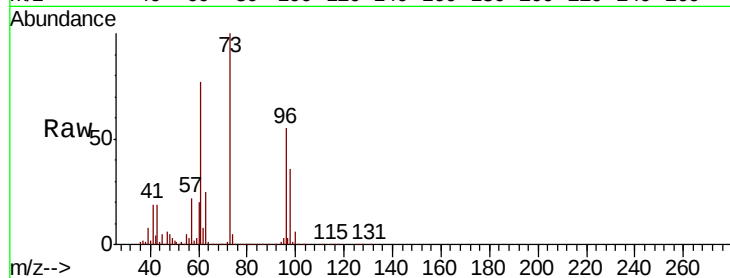
Tot Ion: 96 Resp: 467645

Ion Ratio Lower Upper

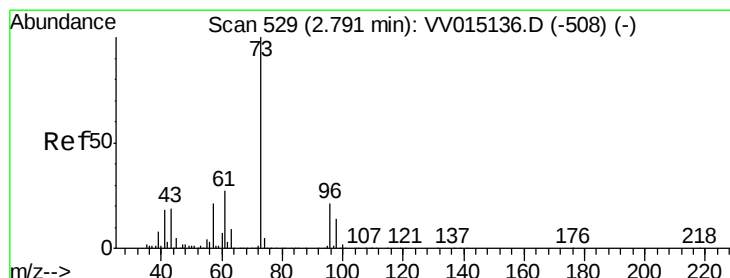
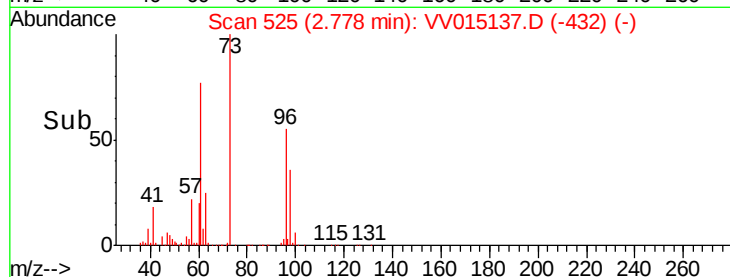
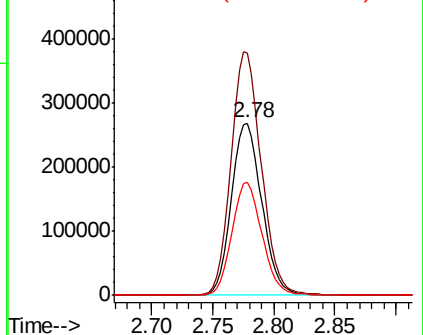
96 100

61 140.7 94.8 176.0

98 66.0 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 84.120 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

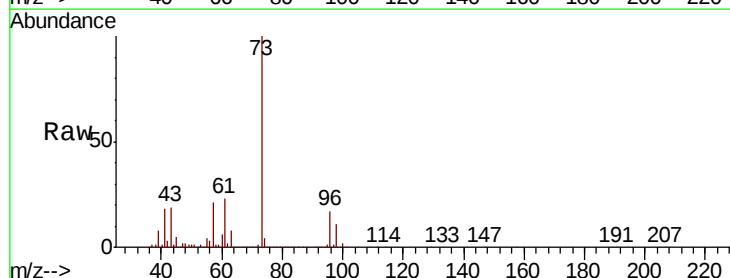
Tgt Ion: 73 Resp: 1611934

Ion Ratio Lower Upper

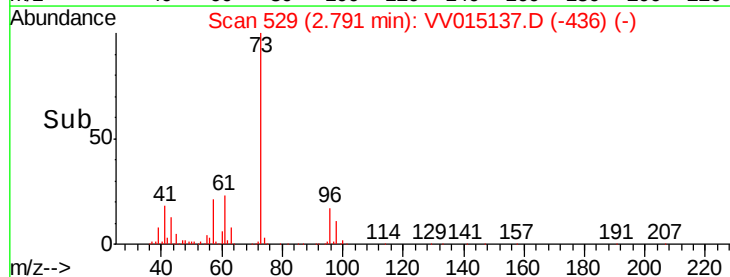
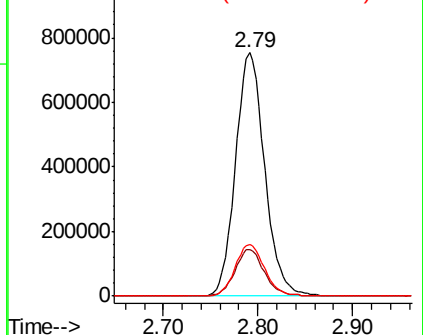
73 100

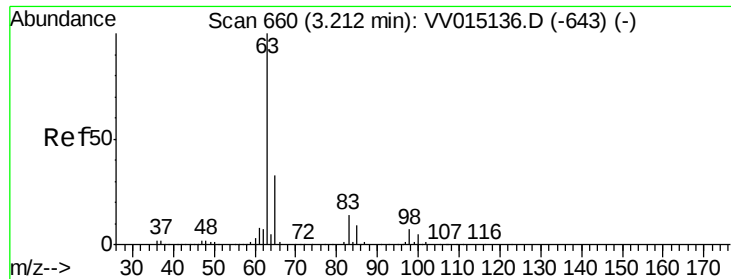
43 19.0 15.4 23.0

57 21.4 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

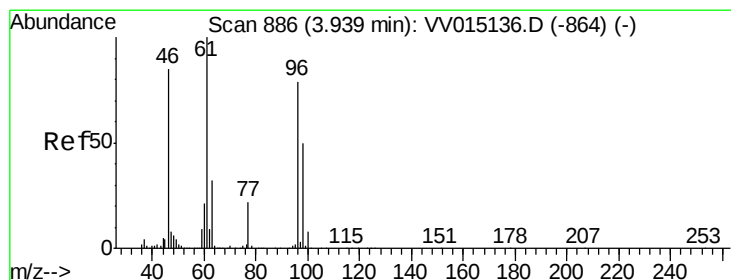
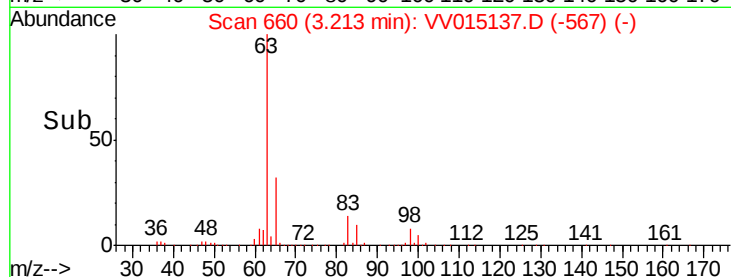
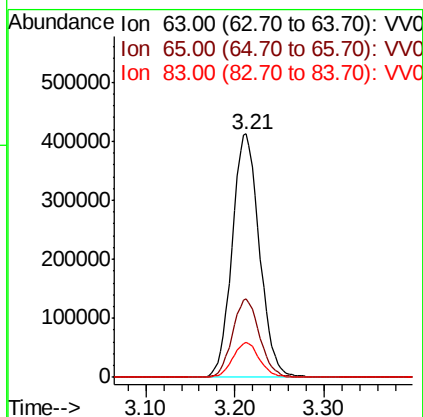
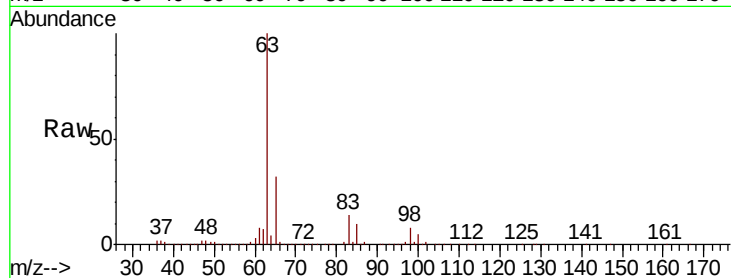




#19
 1,1-Dichloroethane
 Concen: 90.312 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

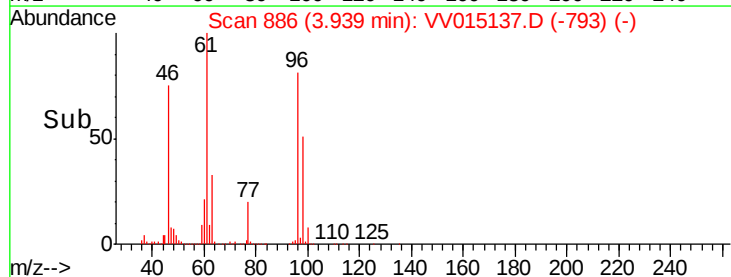
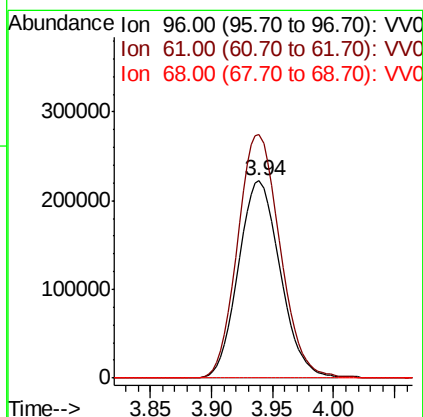
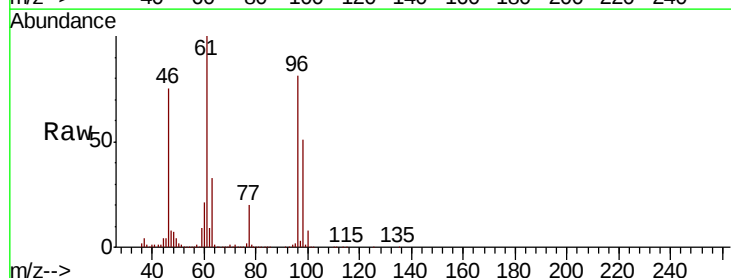
Instrument :
 MSVOA_V
 ClientSampled :

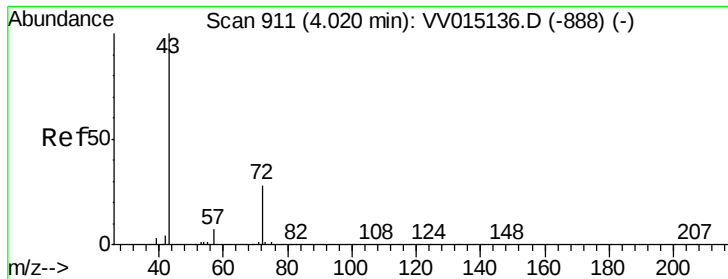
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.8	42.4
83	14.4	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 91.992 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.4	88.3	163.9
68	0.1	0.1	0.3#





#22

2-Butanone

Concen: 177.450 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

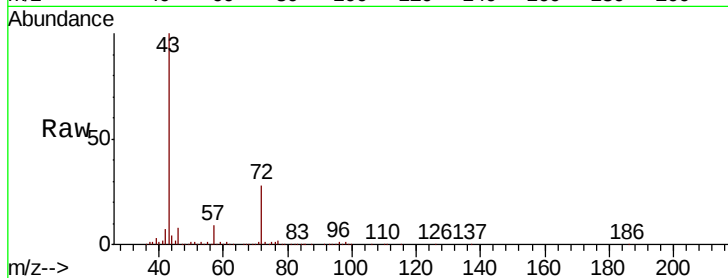
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 753117

Ion Ratio Lower Upper

43 100

72 27.1 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV015137.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV015137.D (-818) (-)

4.02

200000

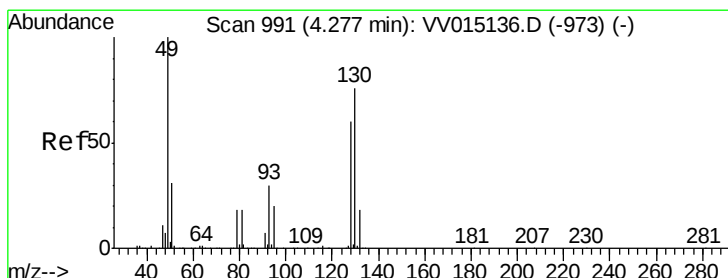
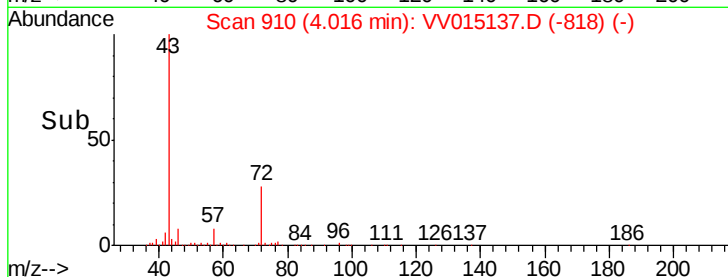
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 85.132 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Tgt Ion:128 Resp: 266615

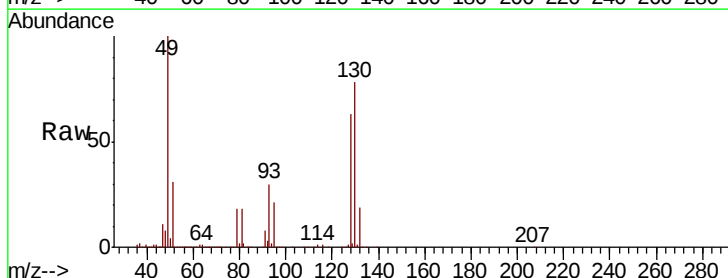
Ion Ratio Lower Upper

128 100

49 157.9 117.1 217.5

130 123.5 89.5 166.1

51 49.7 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VV015137.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015137.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015137.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015137.D (-898) (-)

250000

200000

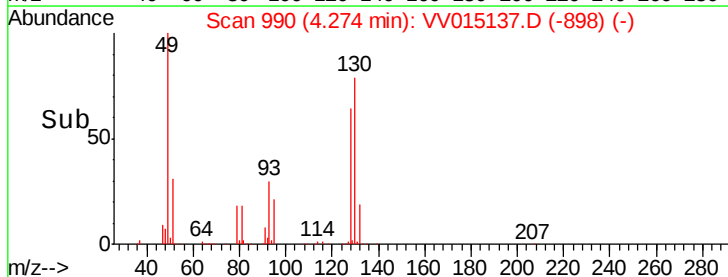
150000

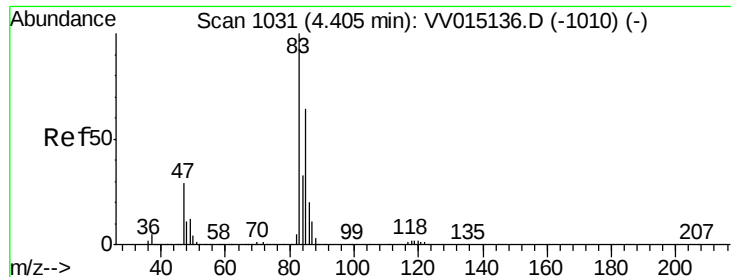
100000

50000

0

Time-->





#25

Chloroform

Concen: 90.556 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

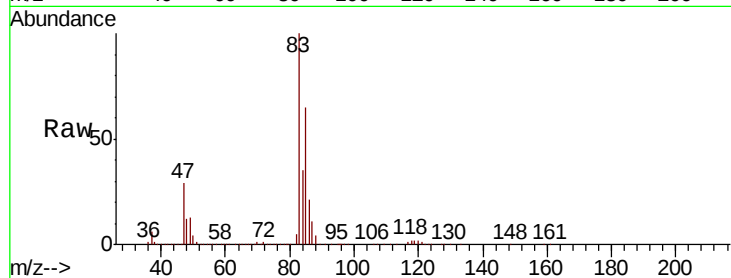
ClientSampleId :

Tot Ion: 83 Resp: 905593

Ion Ratio Lower Upper

83 100

85 64.8 44.8 83.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.40

400000

300000

200000

100000

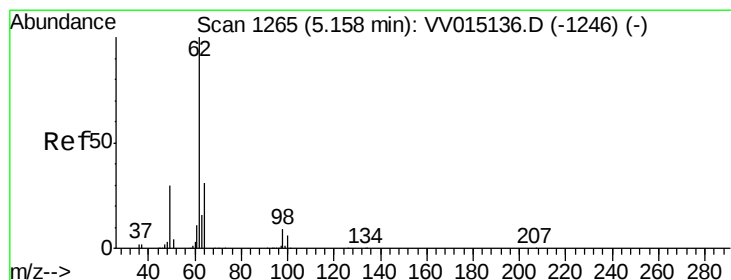
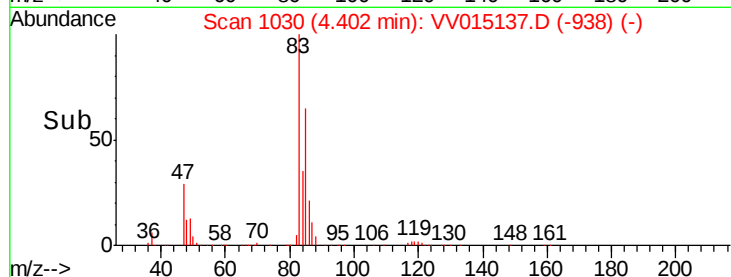
0

Time-->

4.30

4.40

4.50



#27

1,2-Dichloroethane

Concen: 88.593 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015137.D

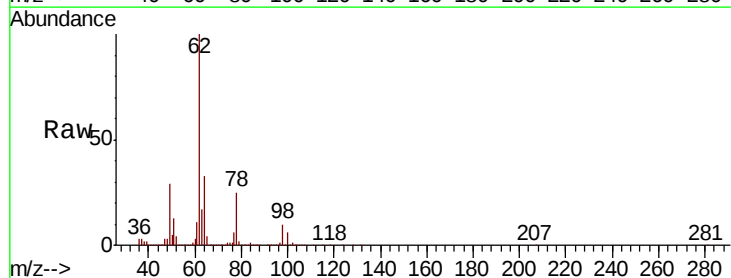
Acq: 25 Mar 2020 12:09

Tgt Ion: 62 Resp: 704137

Ion Ratio Lower Upper

62 100

98 9.9 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.16

300000

200000

100000

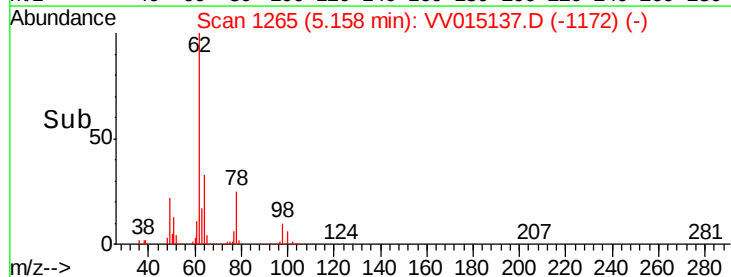
0

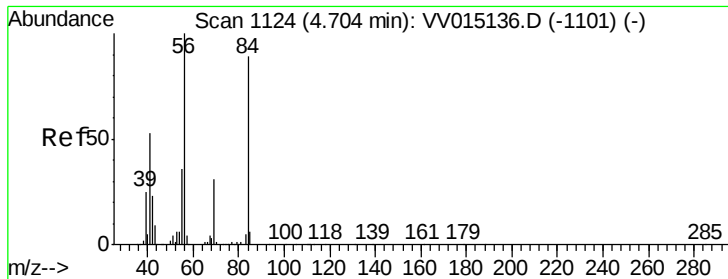
Time-->

5.10

5.20

5.30

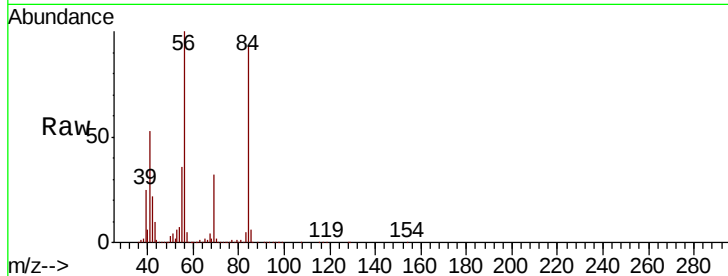




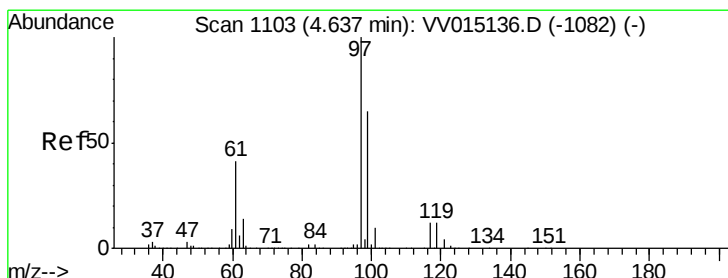
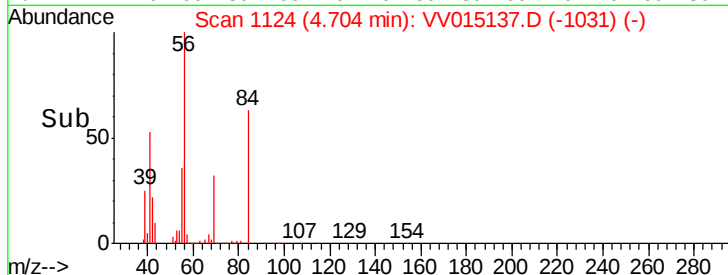
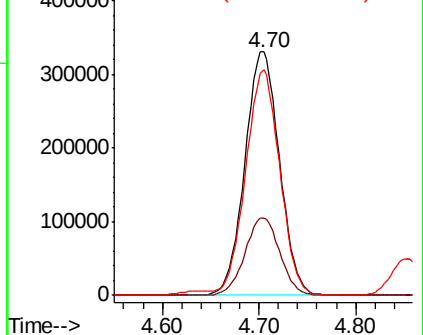
#29
Cvclohexane
Concen: 133.448 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 818579
Ion Ratio Lower Upper
56 100
69 31.9 25.4 38.2
84 91.9 74.0 111.0

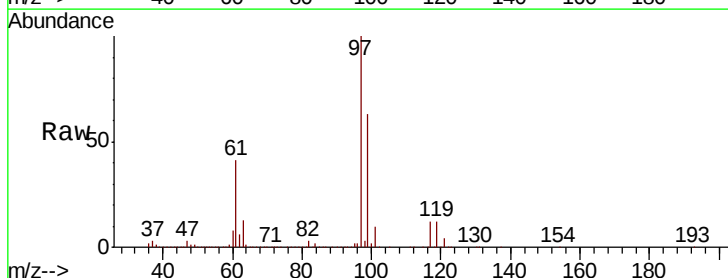


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

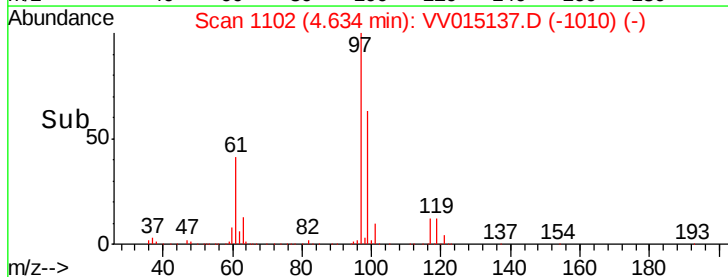
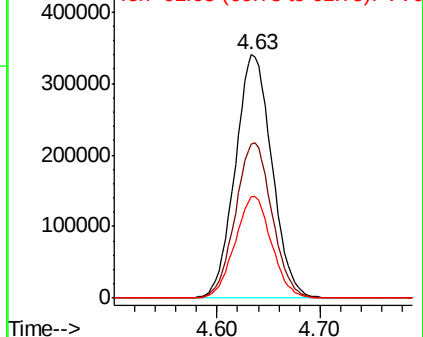


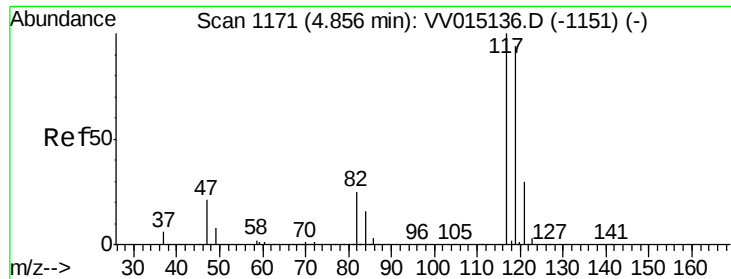
#30
1,1,1-Trichloroethane
Concen: 105.792 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

Tgt Ion: 97 Resp: 839945
Ion Ratio Lower Upper
97 100
99 64.1 52.5 78.7
61 41.7 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

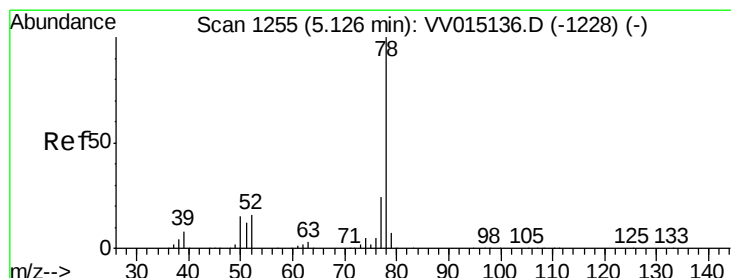
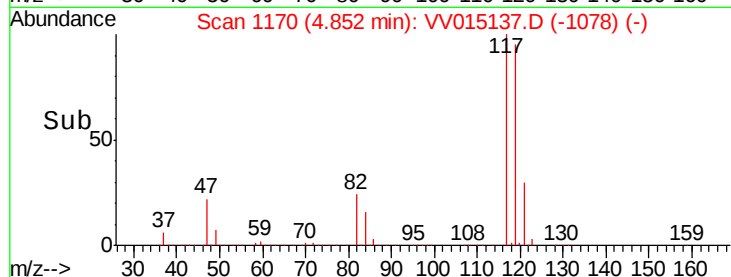
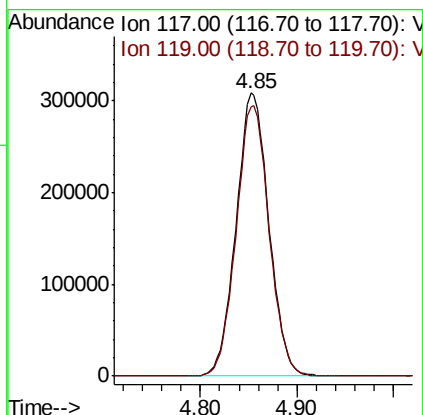
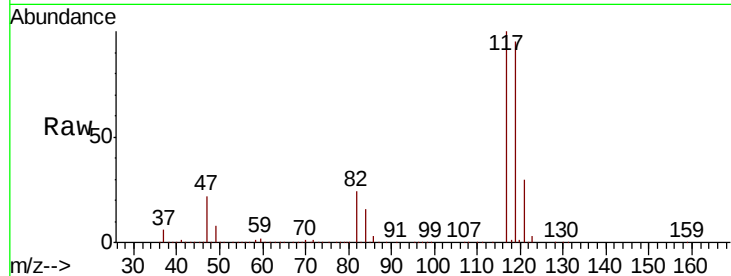




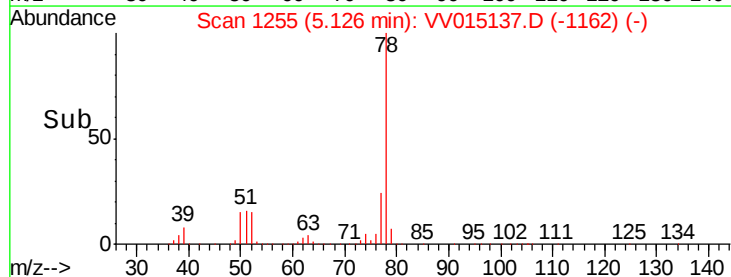
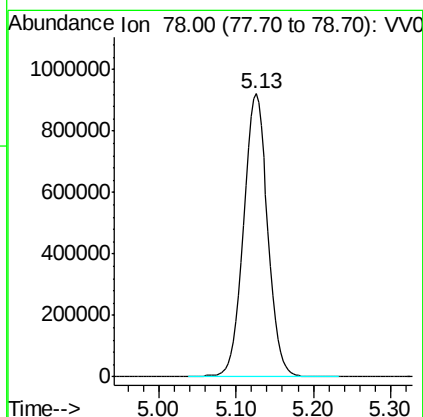
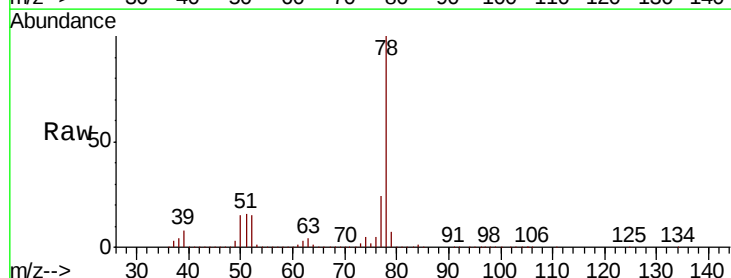
#31
Carbon tetrachloride
Concen: 114.569 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

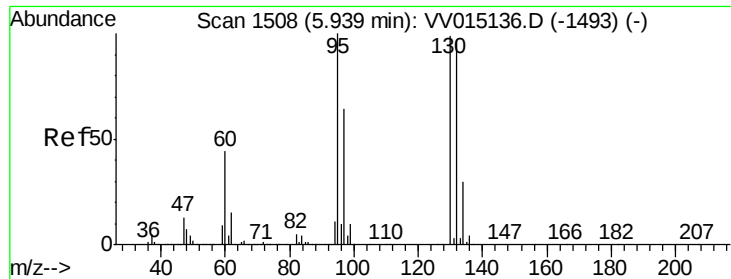
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 723612
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4



#33
Benzene
Concen: 93.897 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09
Tgt Ion: 78 Resp: 1998606

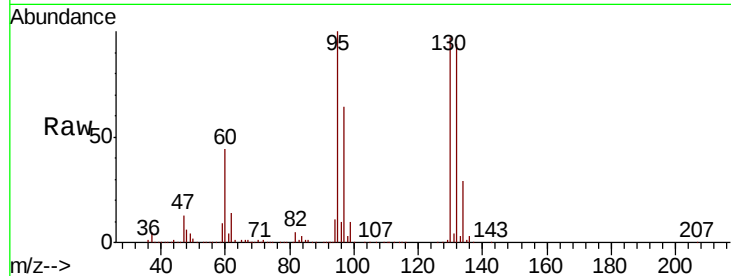




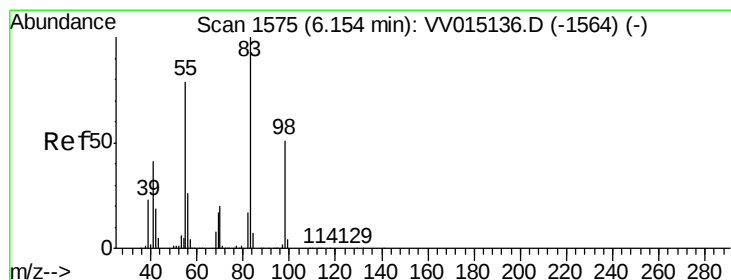
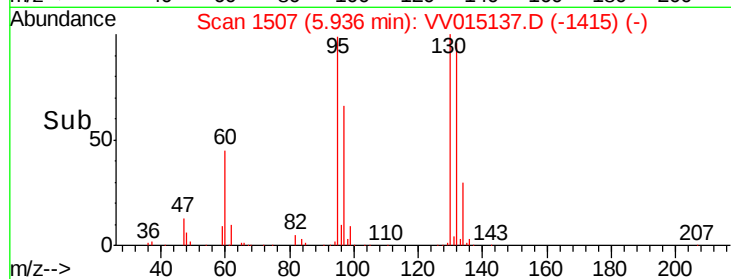
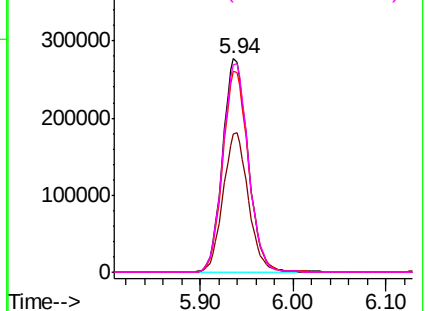
#34
 Trichloroethene
 Concen: 105.634 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	527592
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.4	82.4
132	93.9	67.6	125.6
130	97.3	69.2	128.4

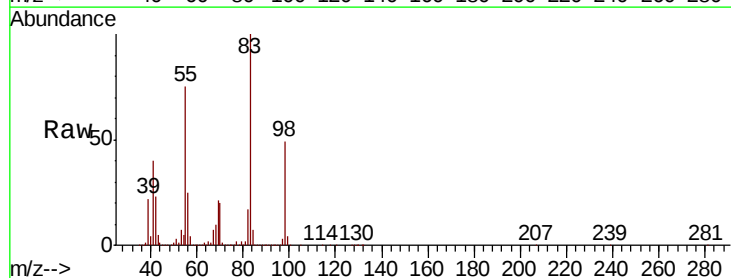


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

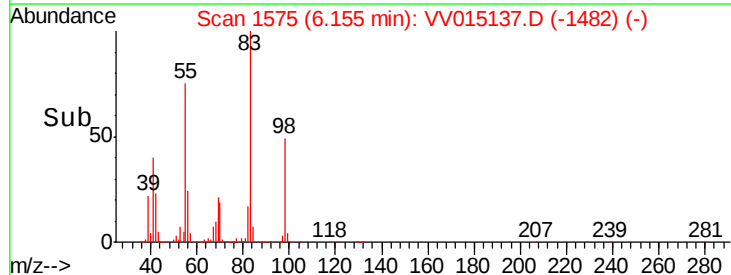
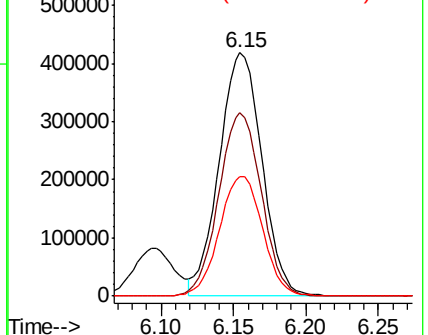


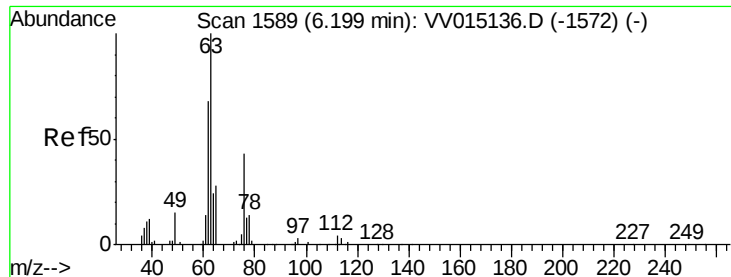
#35
 Methylcyclohexane
 Concen: 137.938 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Tgt Ion:	83	Resp:	854691
Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.5	89.3
98	49.9	39.1	58.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 87.492 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

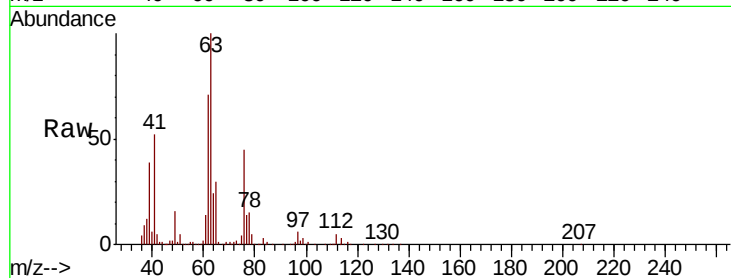
ClientSampleId :

Tot Ion: 63 Resp: 508469

Ion Ratio Lower Upper

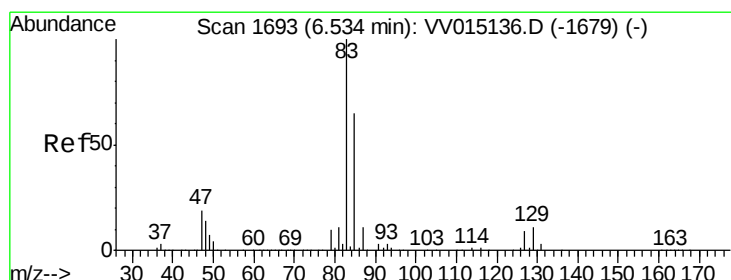
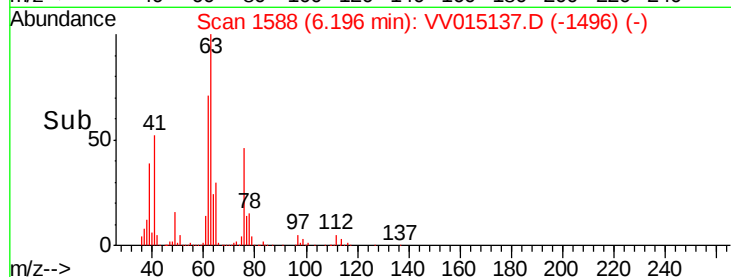
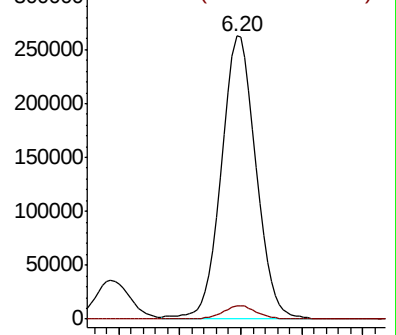
63 100

112 4.7 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 87.099 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

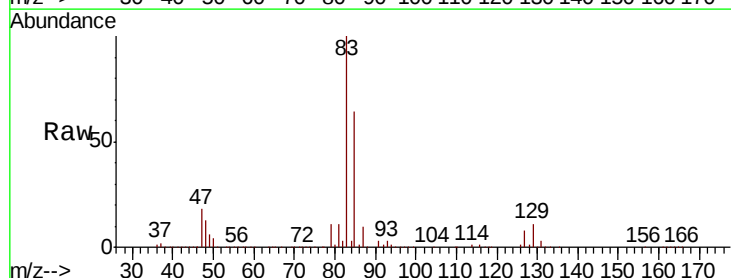
Tgt Ion: 83 Resp: 724562

Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.4

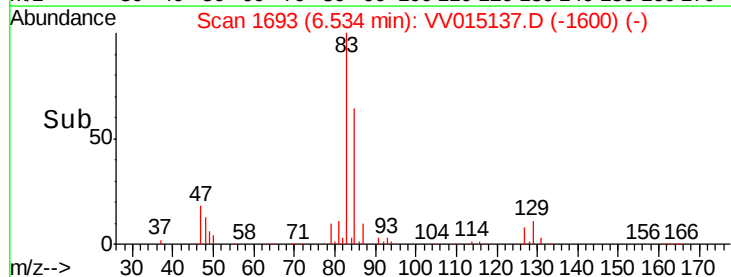
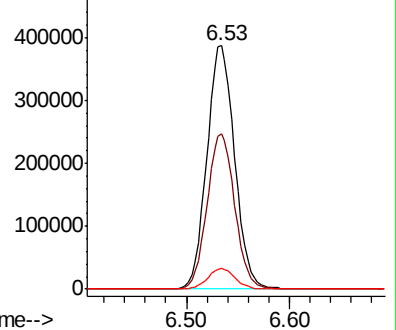
127 8.4 6.9 10.3

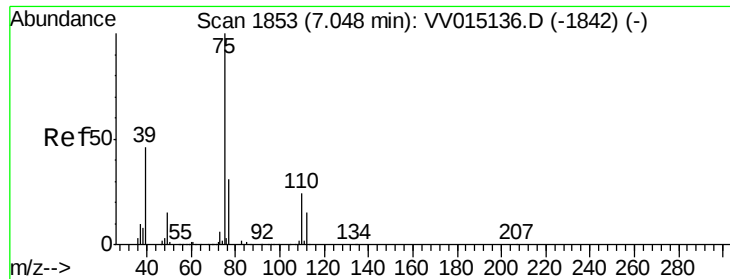


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V



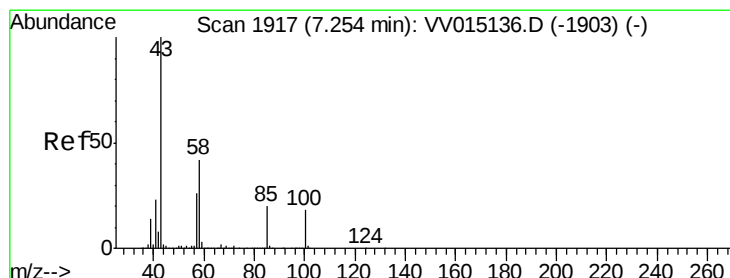
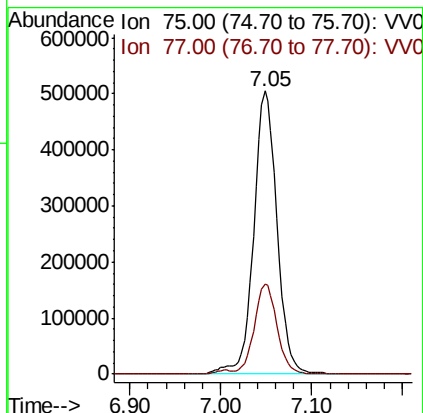
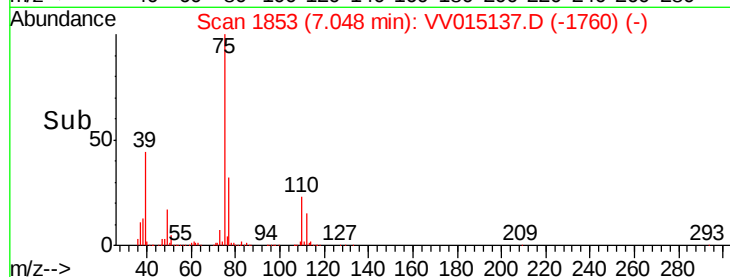
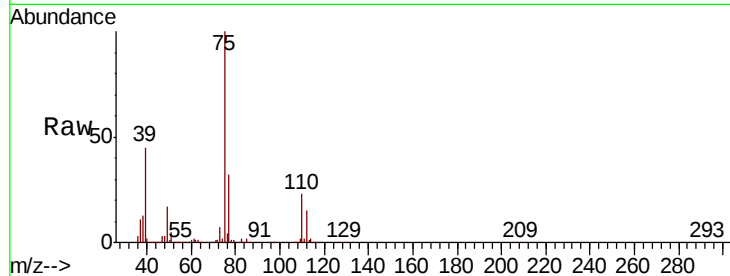


#39

cis-1,3-Dichloropropene
 Concen: 95.202 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Instrument :
 MSVOA_V
 ClientSampled :

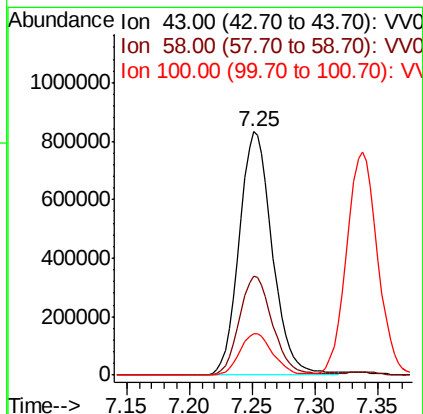
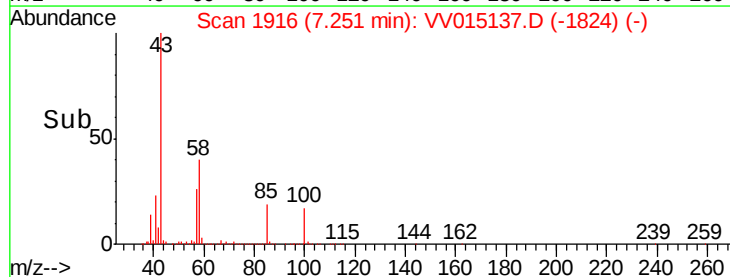
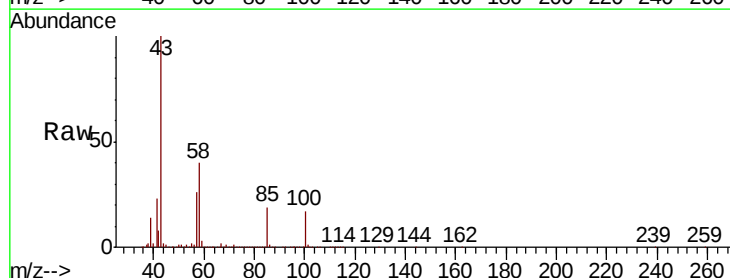
Tot Ion: 75 Resp: 893770
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1

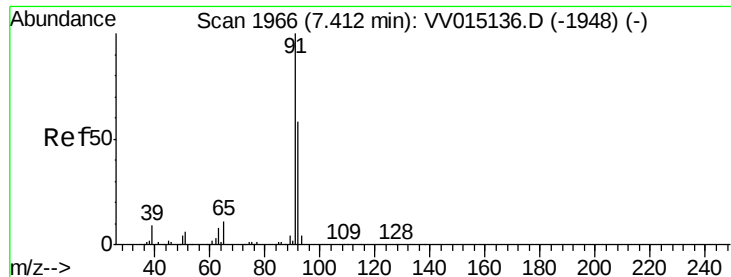


#40

4-Methyl-2-pentanone
 Concen: 156.776 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Tgt Ion: 43 Resp: 1526303
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.5 48.7
 100 17.1 13.8 20.8





#42

Toluene

Concen: 102.718 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

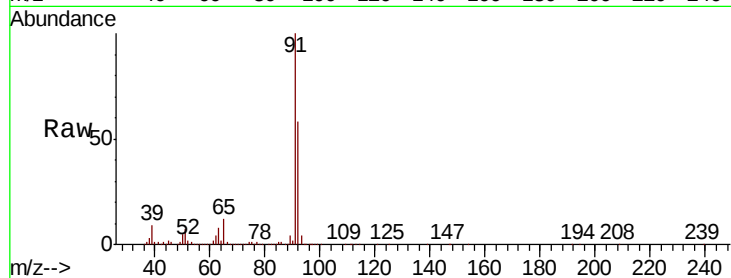
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2229375

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV015136.D (-1948) (-)

Ion 92.00 (91.70 to 92.70): VV015137.D (-1873) (-)

7.41

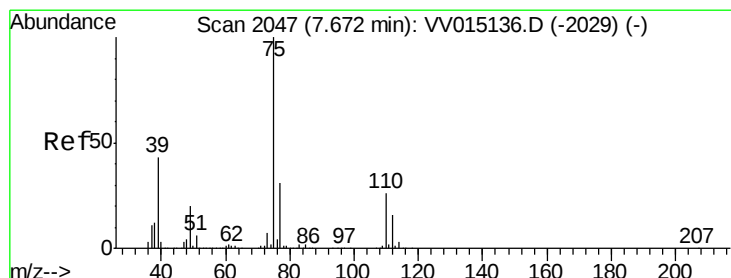
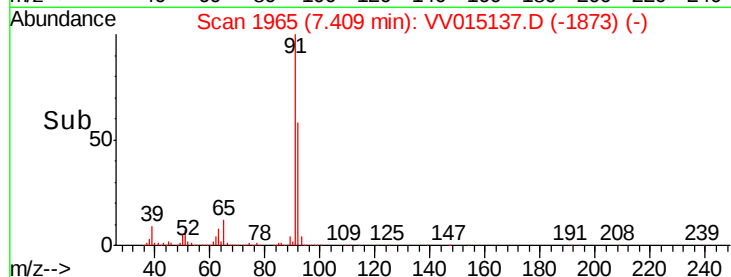
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 91.420 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015137.D

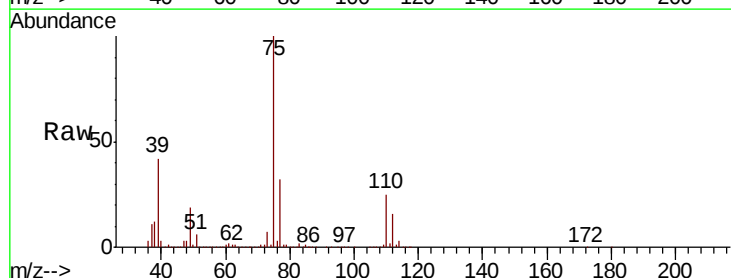
Acq: 25 Mar 2020 12:09

Tgt Ion: 75 Resp: 860801

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV015136.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV015137.D (-1954) (-)

7.67

600000

500000

400000

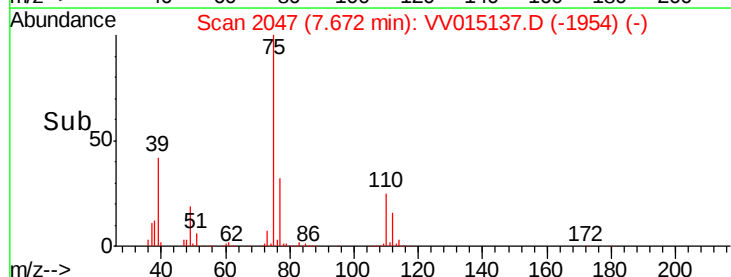
300000

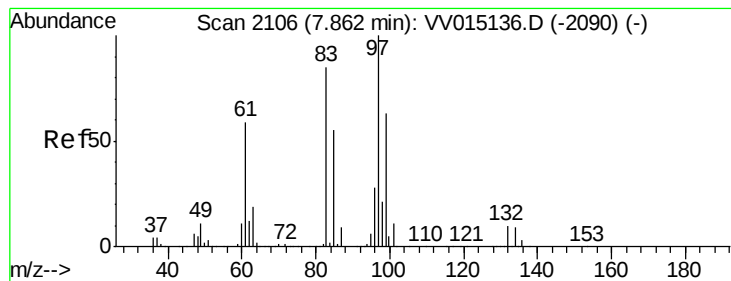
200000

100000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 82.722 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 500230

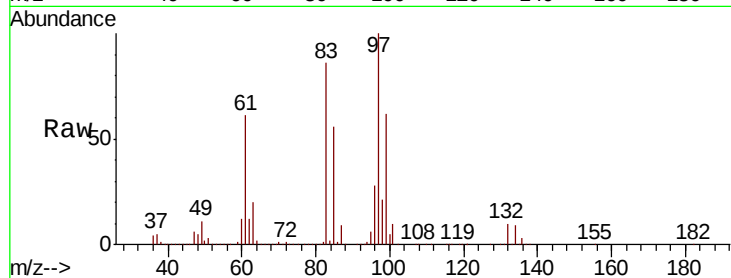
Ion Ratio Lower Upper

97 100

99 62.4 44.2 82.2

83 85.9 59.9 111.3

85 55.8 38.6 71.8

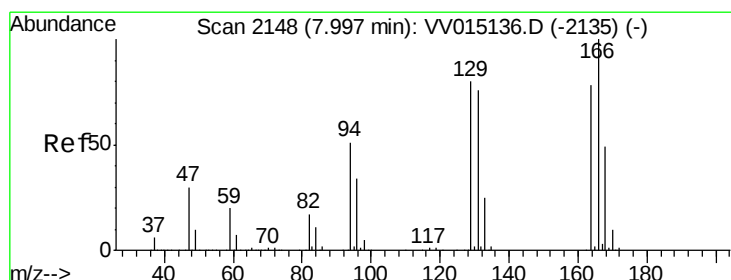
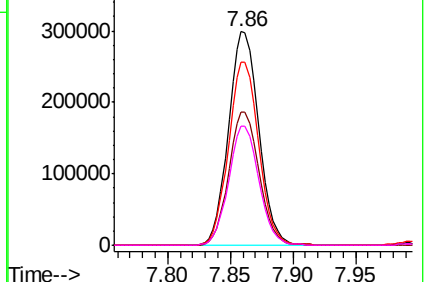
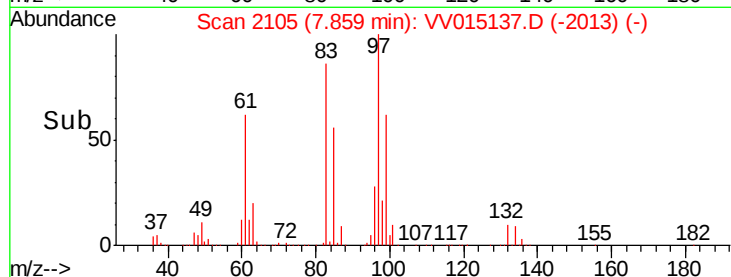


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 119.950 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Tgt Ion: 164 Resp: 386154

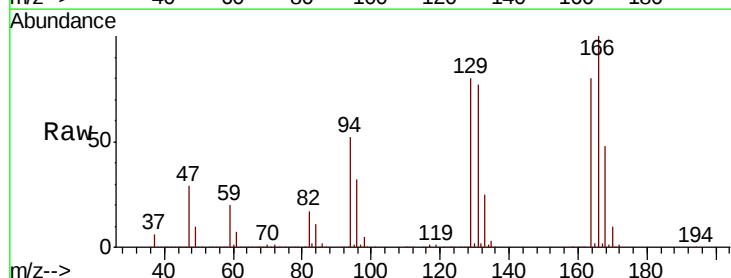
Ion Ratio Lower Upper

164 100

129 100.1 71.2 132.2

131 95.7 67.8 125.8

166 124.6 89.2 165.8

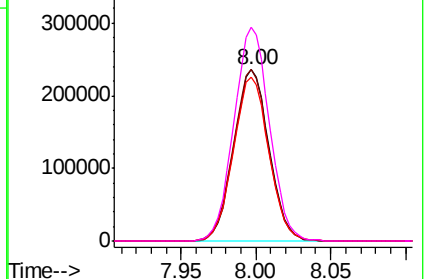
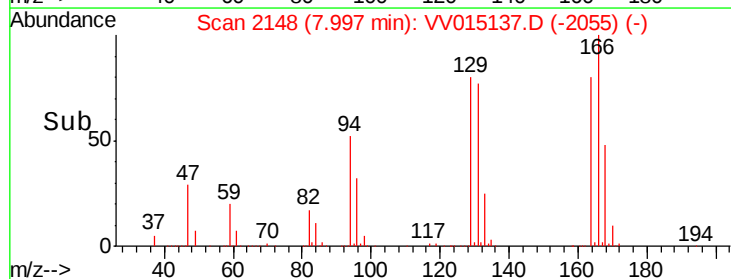


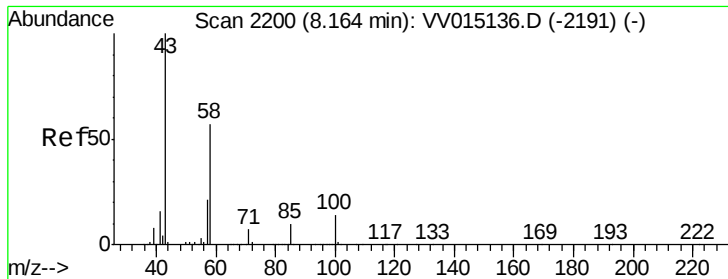
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

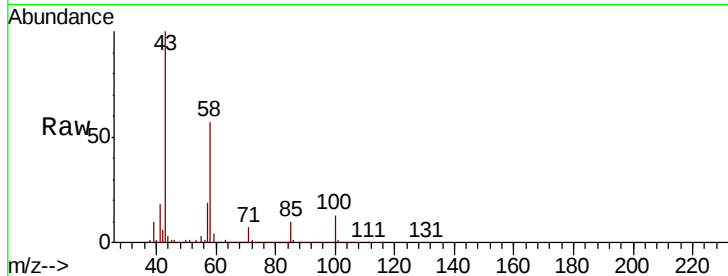




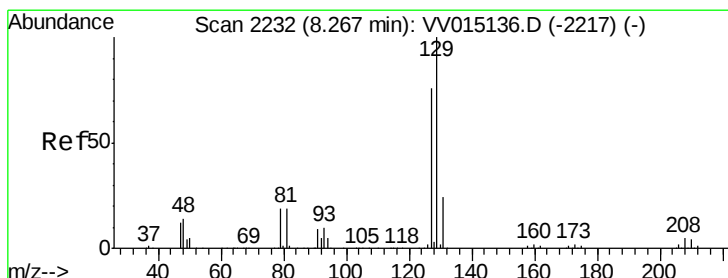
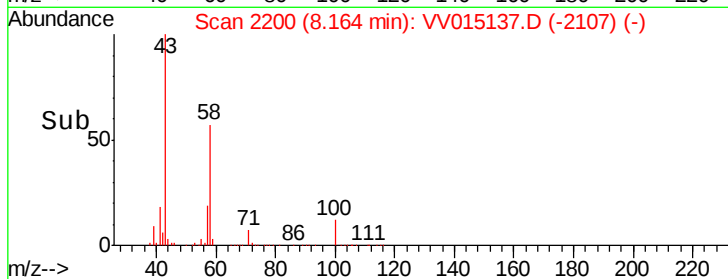
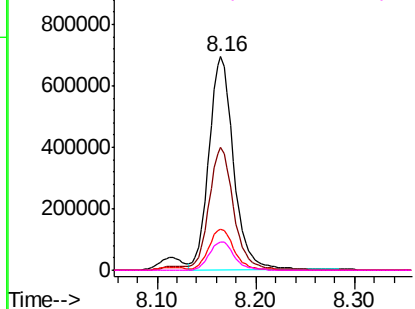
#48
2-Hexanone
Concen: 168.237 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1203256
Ion Ratio Lower Upper
43 100
58 56.7 47.0 70.6
57 19.2 16.5 24.7
100 13.5 10.9 16.3

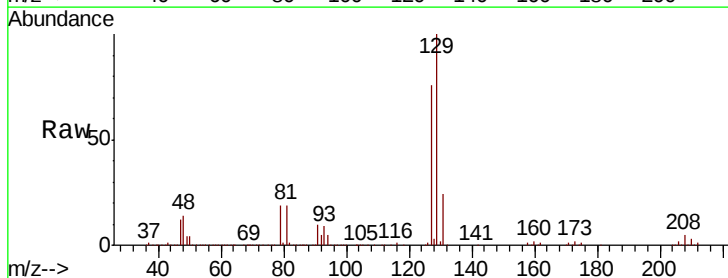


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

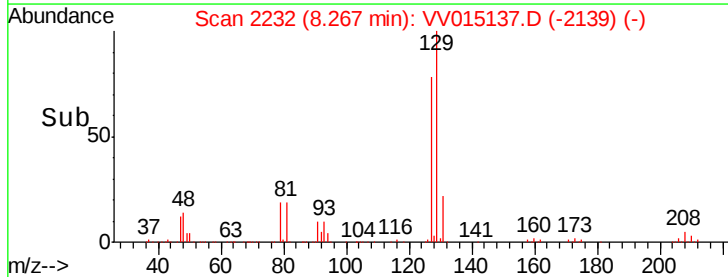
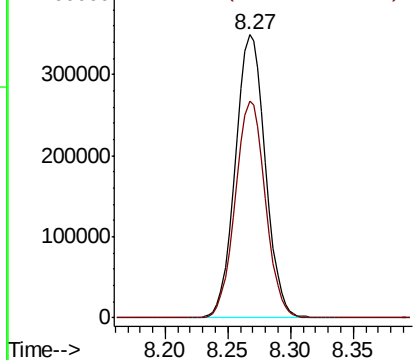


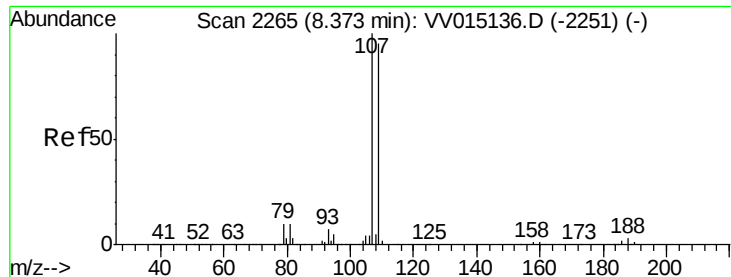
#49
Dibromochloromethane
Concen: 85.675 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015137.D
Acq: 25 Mar 2020 12:09

Tgt Ion: 129 Resp: 581537
Ion Ratio Lower Upper
129 100
127 76.4 53.4 99.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 85.145 ug/L

RT: 8.37 min Scan# 2265

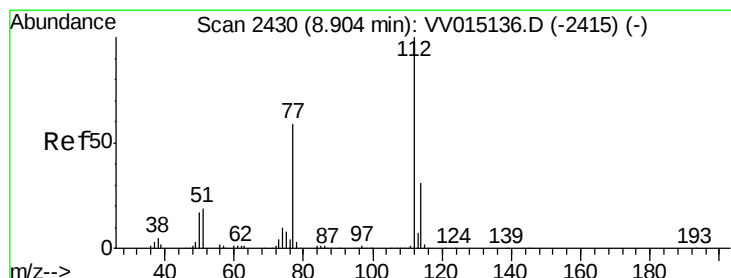
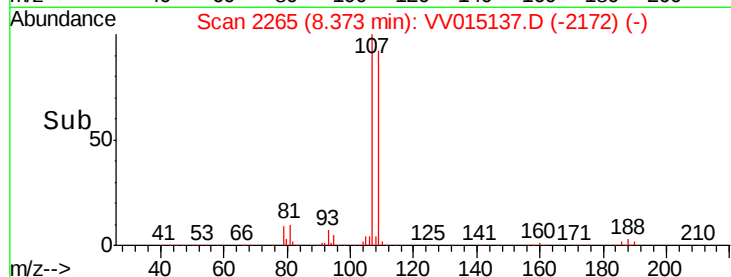
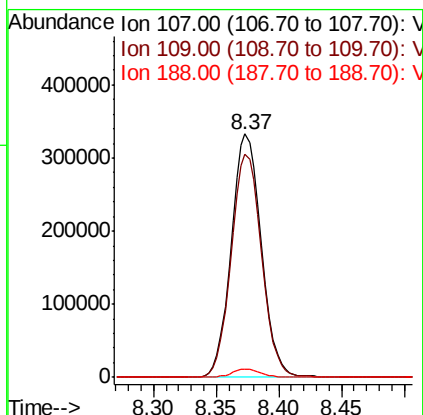
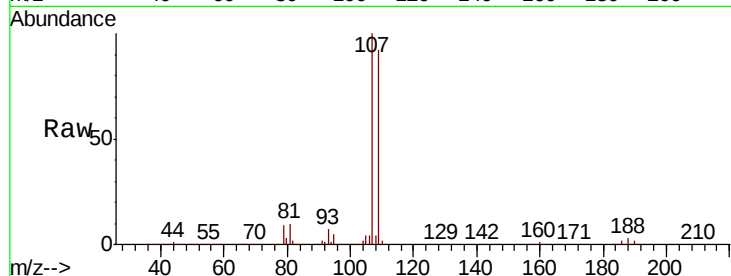
Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	554053
Ion	Ratio	Lower	Upper
107	100		
109	91.7	66.6	123.6
188	3.3	2.5	3.7



#51

Chlorobenzene

Concen: 100.092 ug/L

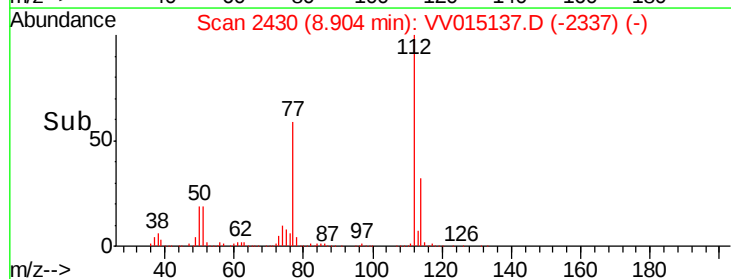
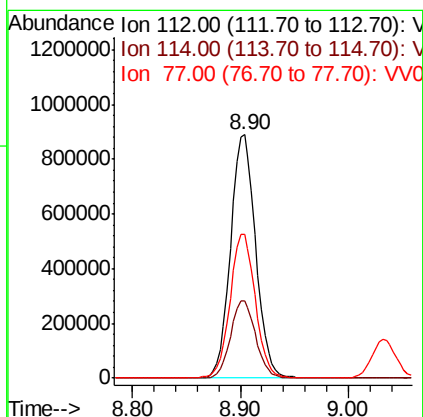
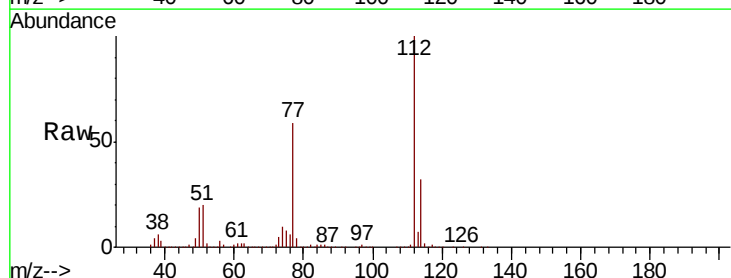
RT: 8.90 min Scan# 2430

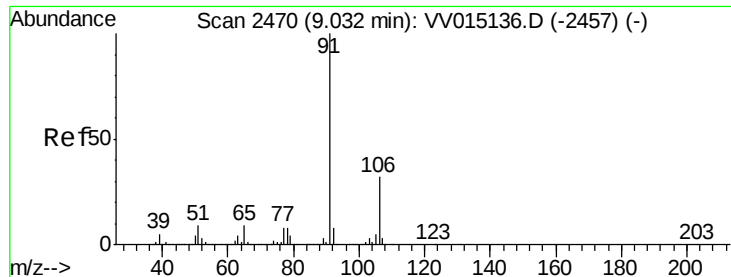
Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Tgt Ion:	112	Resp:	1432814
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.0	40.8
77	58.8	47.2	70.8





#52

Ethylbenzene

Concen: 113.761 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

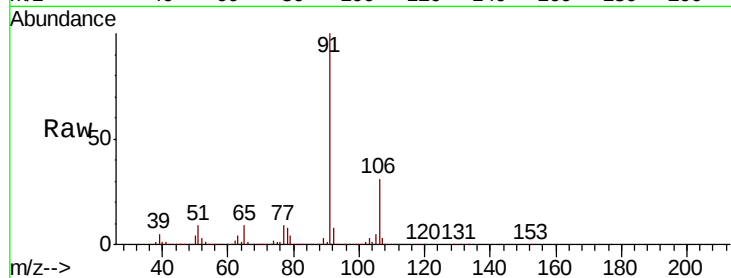
ClientSampleId :

Tot Ion: 91 Resp: 2537506

Ion Ratio Lower Upper

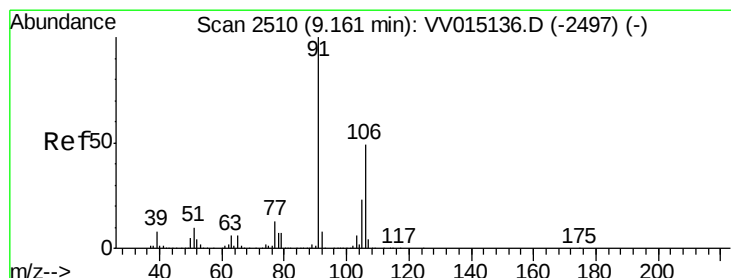
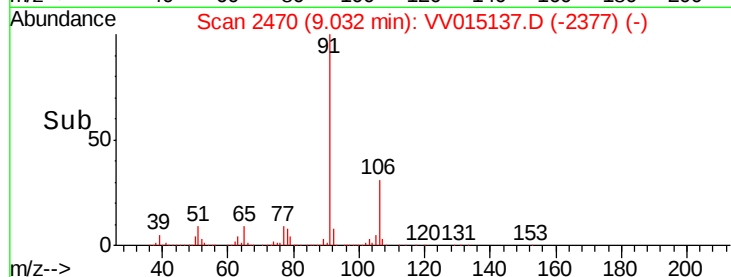
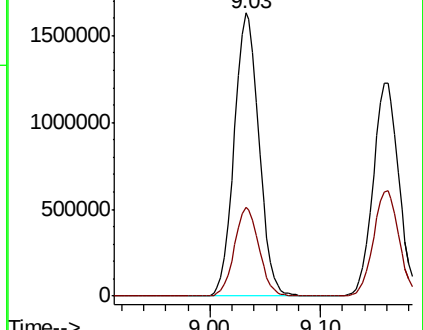
91 100

106 31.3 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV015137.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV015137.D (-2377) (-)



#53

m,p-Xylene

Concen: 113.862 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015137.D

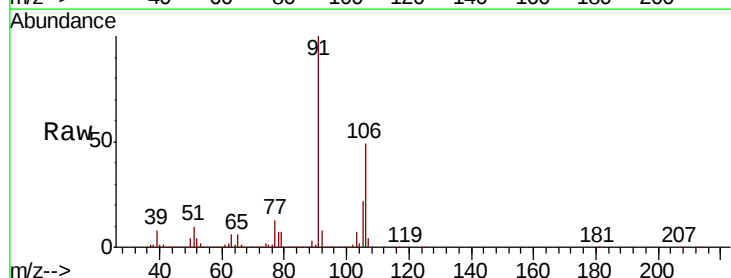
Acq: 25 Mar 2020 12:09

Tgt Ion: 106 Resp: 981273

Ion Ratio Lower Upper

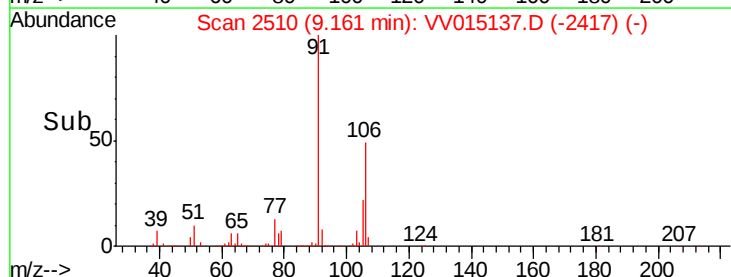
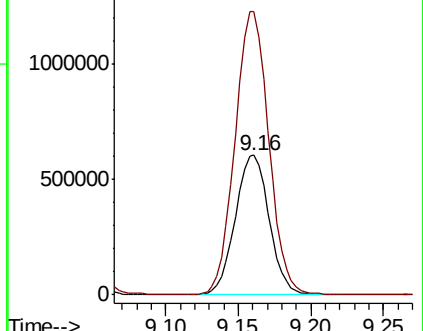
106 100

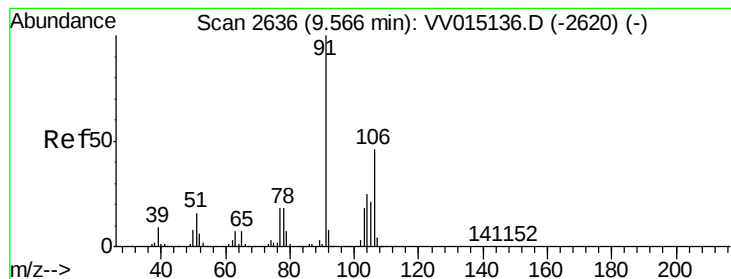
91 202.7 143.3 266.1



Abundance Ion 106.00 (105.70 to 106.70): VV015137.D (-2417) (-)

Ion 91.00 (90.70 to 91.70): VV015137.D (-2417) (-)





#54

o-xylene

Concen: 106.163 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

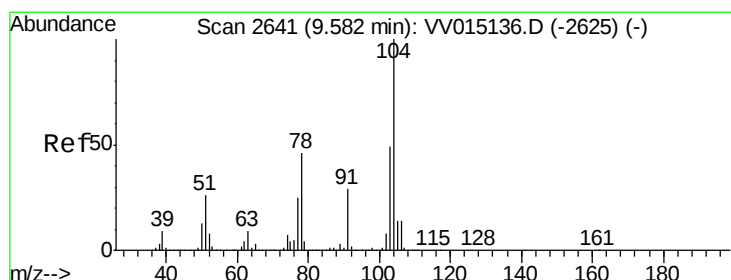
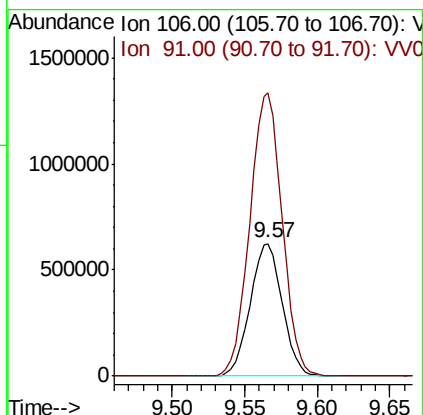
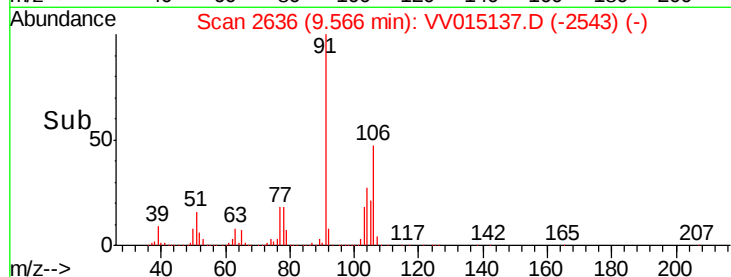
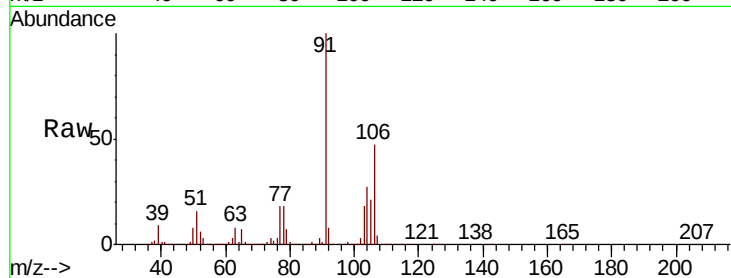
ClientSampled :

Tot Ion:106 Resp: 962685

Ion Ratio Lower Upper

106 100

91 213.8 151.5 281.5



#55

Styrene

Concen: 104.884 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015137.D

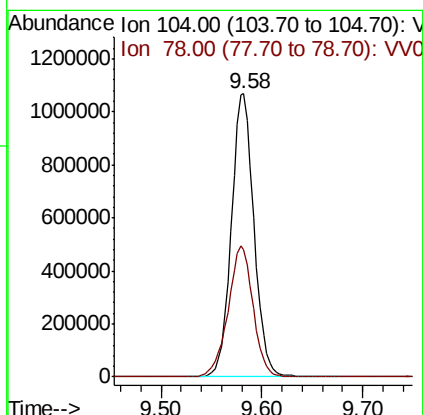
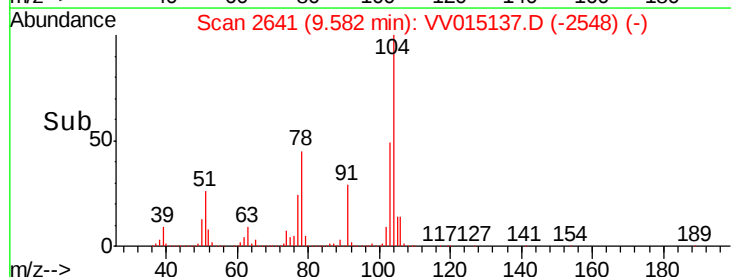
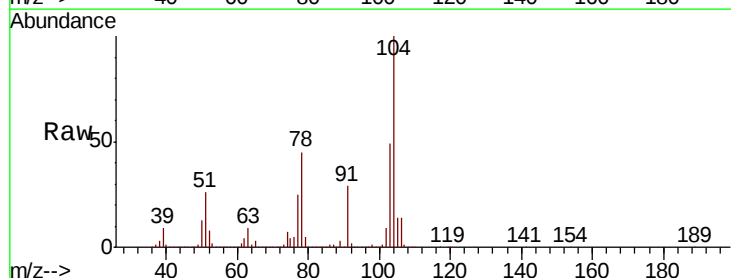
Acq: 25 Mar 2020 12:09

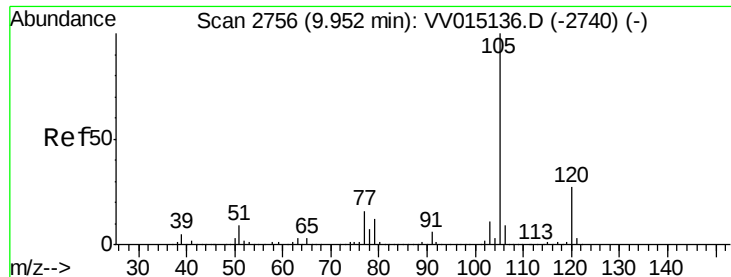
Tgt Ion:104 Resp: 1672503

Ion Ratio Lower Upper

104 100

78 44.8 32.0 59.4





#56

Isopropylbenzene

Concen: 120.310 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

ClientSampleId :

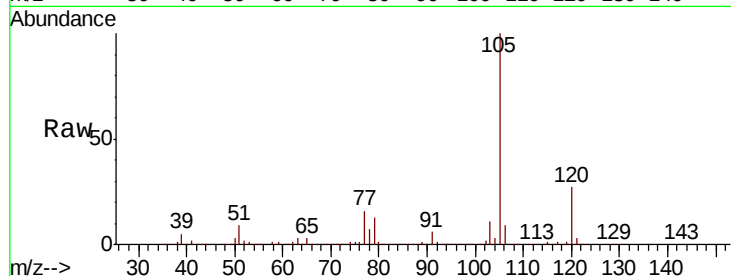
Tot Ion:105 Resp: 2528620

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

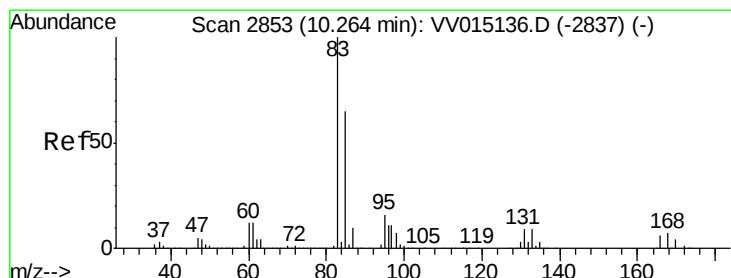
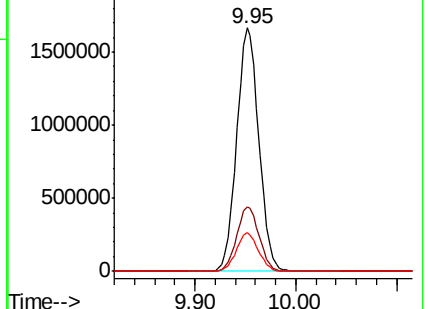
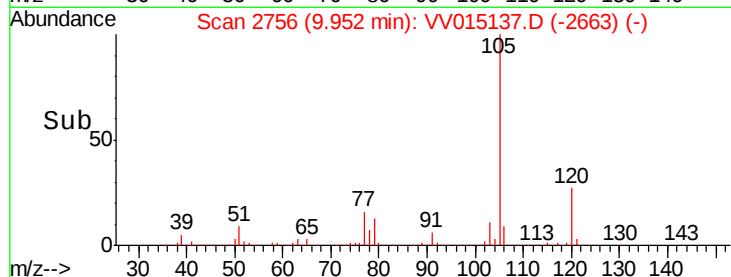
77 15.8 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 83.431 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

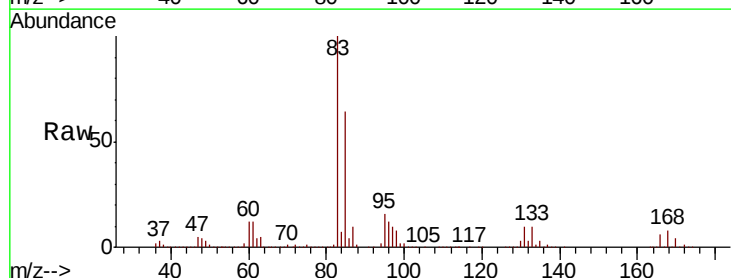
Tgt Ion: 83 Resp: 835944

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

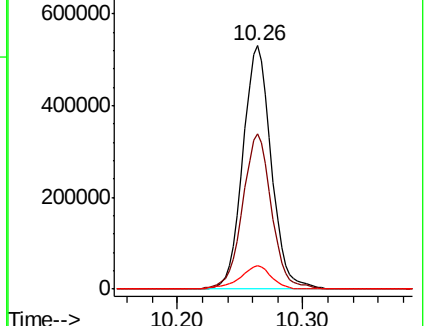
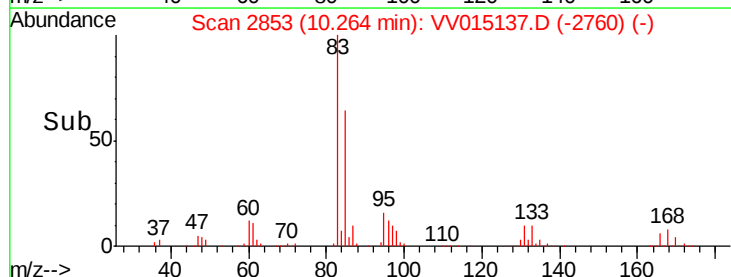
131 9.7 7.7 11.5

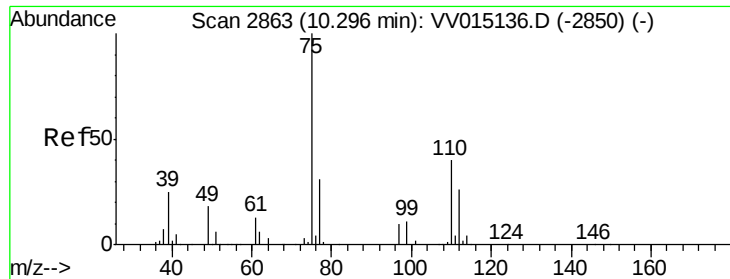


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 83.427 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

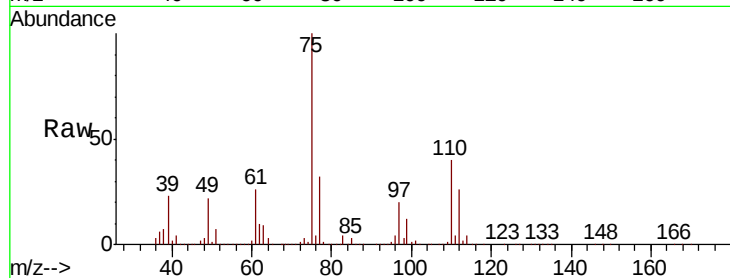
ClientSampleId :

Tot Ion: 75 Resp: 675269

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV015137.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015137.D (-2241) (-)

10.30

400000

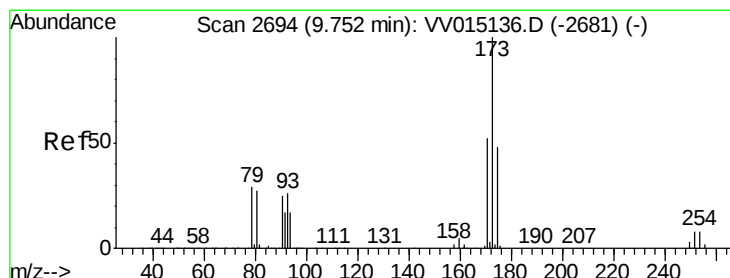
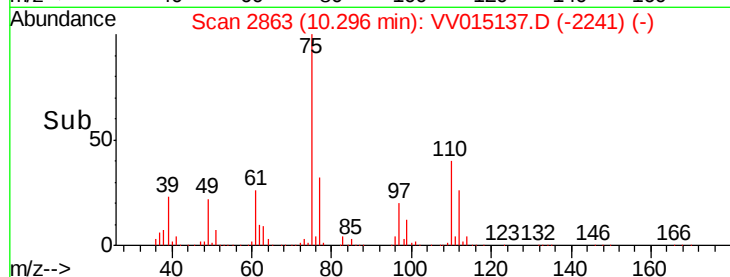
300000

200000

100000

0

Time--> 10.20 10.30



#61

Bromoform

Concen: 77.144 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

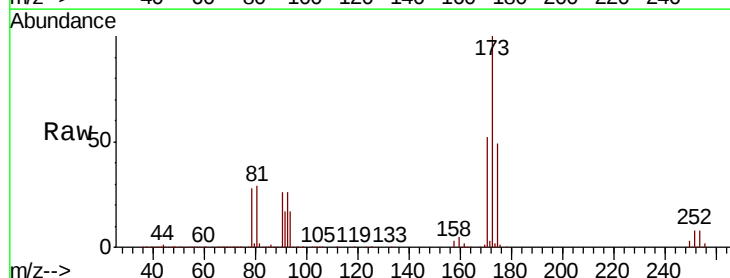
Tgt Ion: 173 Resp: 398627

Ion Ratio Lower Upper

173 100

175 49.2 37.8 56.8

254 7.9 6.1 9.1



Abundance Ion 173.00 (172.70 to 173.70): VV015137.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV015137.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV015137.D (-2601) (-)

9.75

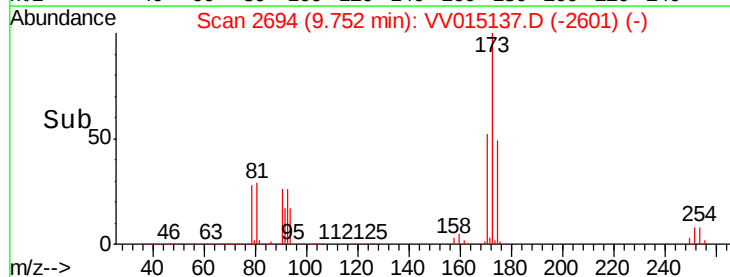
300000

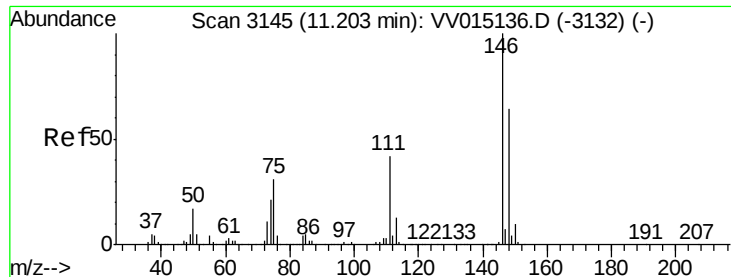
200000

100000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 102.522 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

ClientSampled :

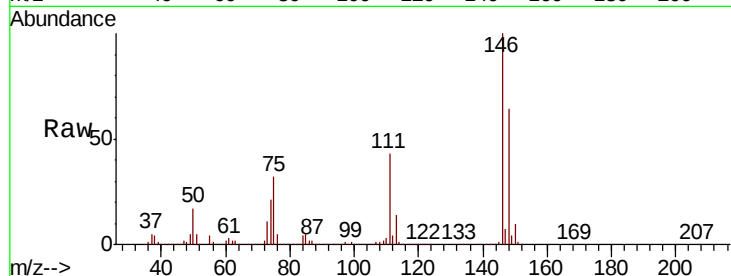
Tot Ion:146 Resp: 1110697

Ion	Ratio	Lower	Upper
146	100		
111	42.7	29.3	54.5
148	63.9	44.7	82.9

146 100

111 42.7 29.3 54.5

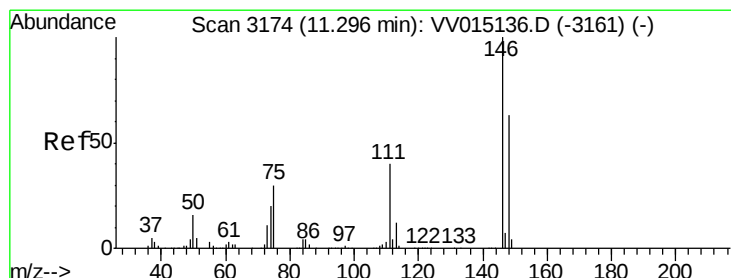
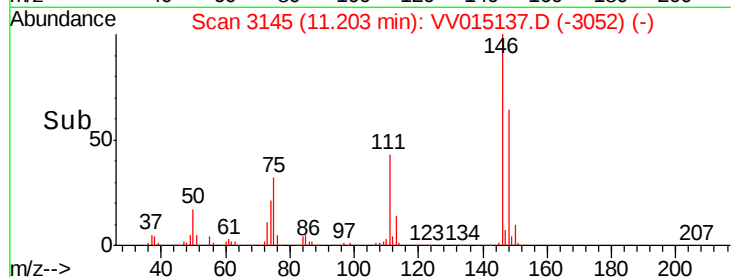
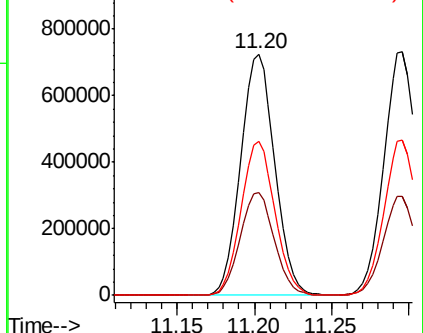
148 63.9 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 100.909 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

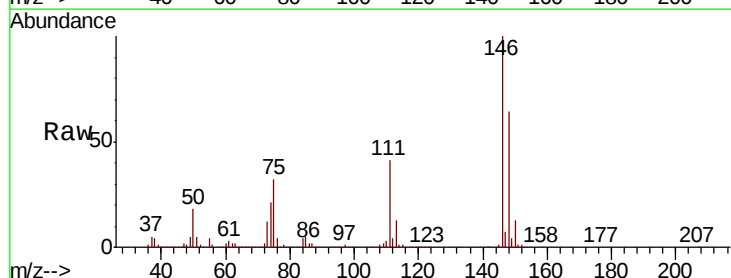
Tgt Ion:146 Resp: 1111224

Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.4	52.8
148	63.7	44.0	81.8

146 100

111 40.5 28.4 52.8

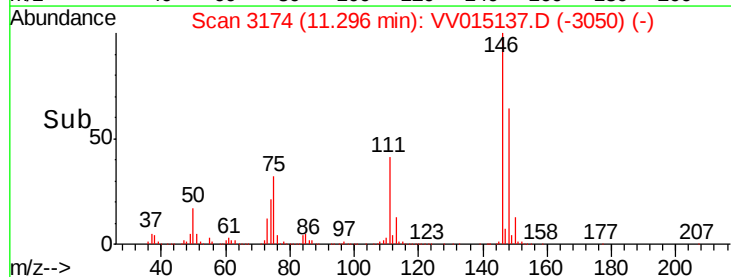
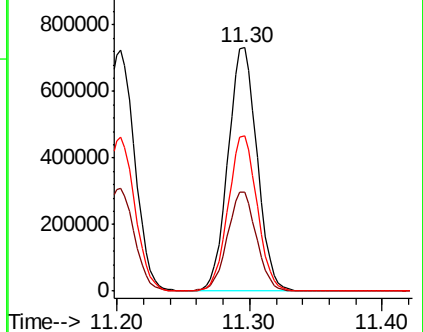
148 63.7 44.0 81.8

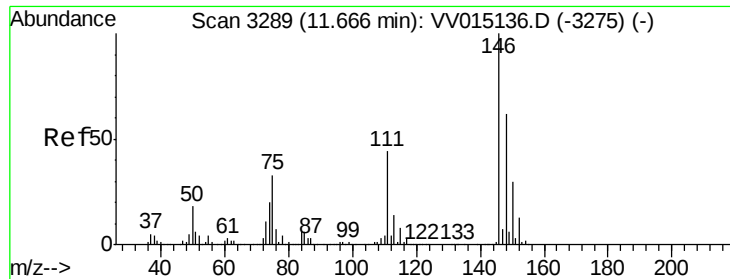


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

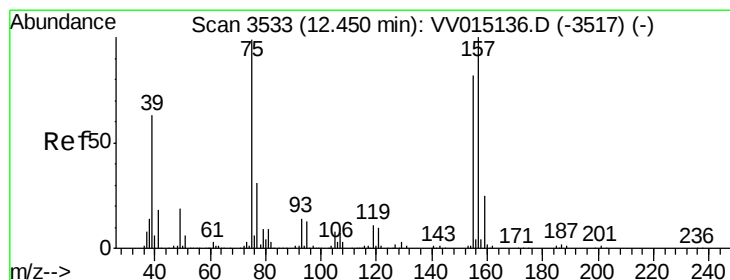
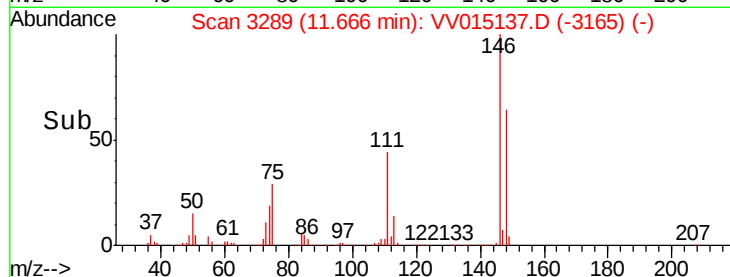
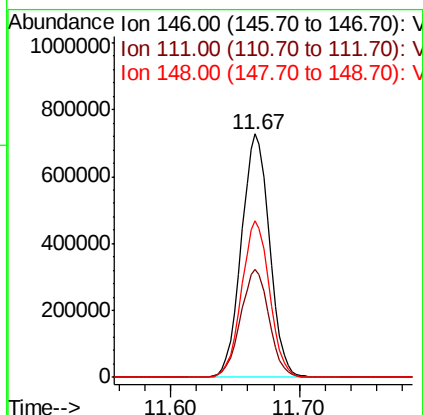
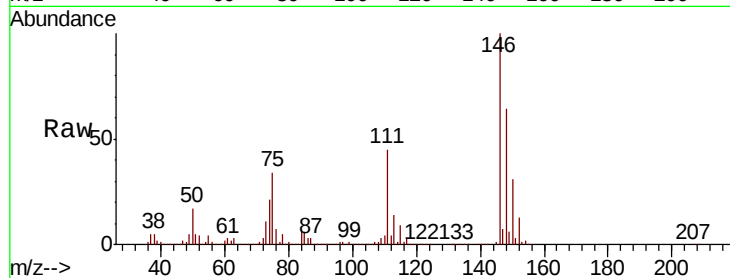




#65
 1,2-Dichlorobenzene
 Concen: 93.779 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

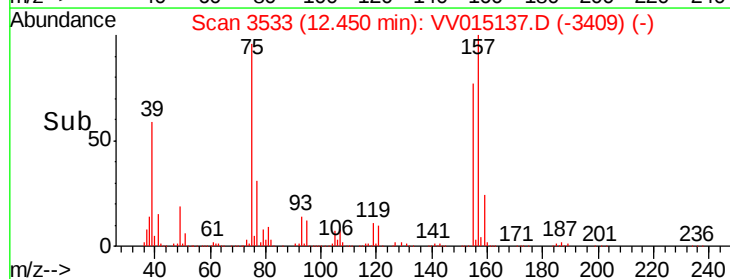
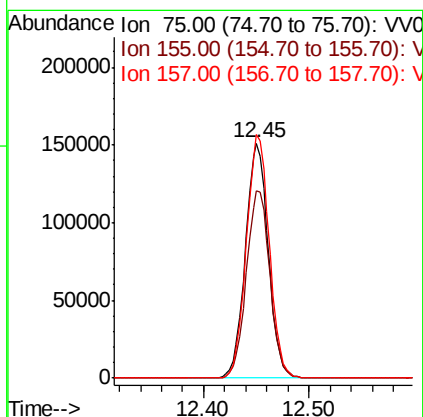
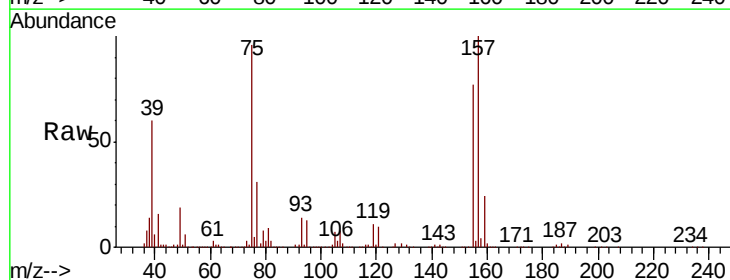
Instrument :
 MSVOA_V
 ClientSampleId :

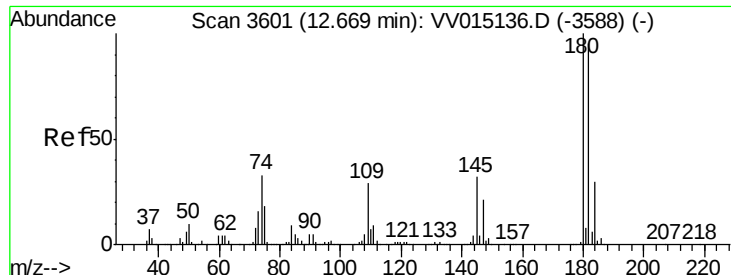
Tot Ion:146 Resp: 1103416
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.4 53.2
 148 64.3 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 75.875 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Tgt Ion: 75 Resp: 228297
 Ion Ratio Lower Upper
 75 100
 155 79.8 66.2 99.4
 157 103.7 81.1 121.7

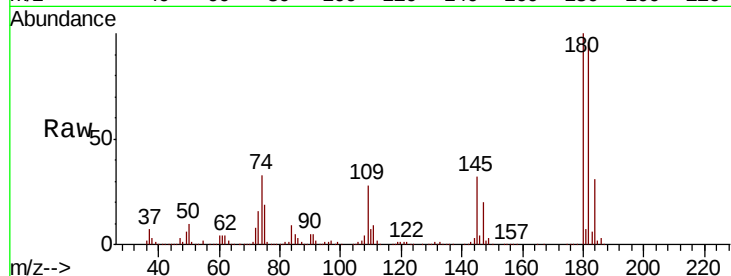




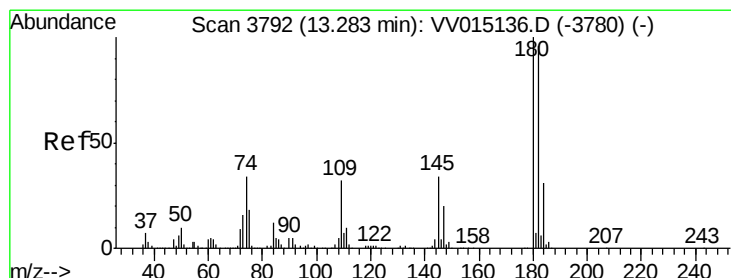
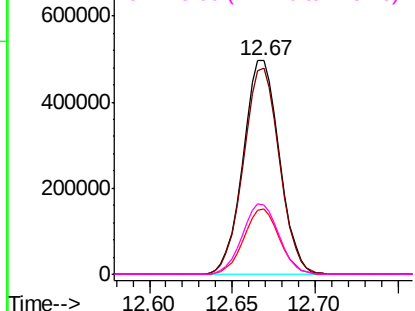
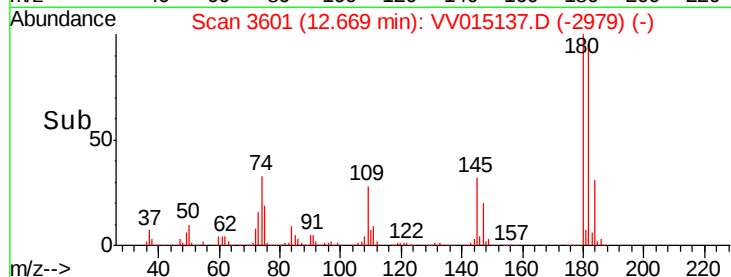
#67
 1,3,5-Trichlorobenzene
 Concen: 110.242 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	756224
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.1	24.4	36.6
145	32.9	26.7	40.1

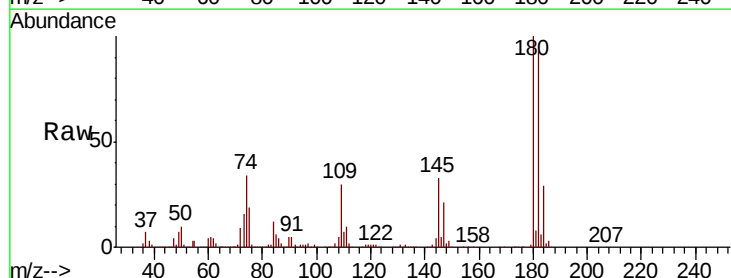


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

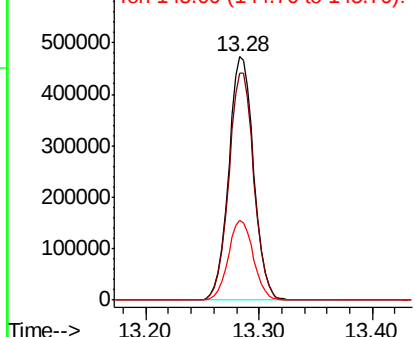
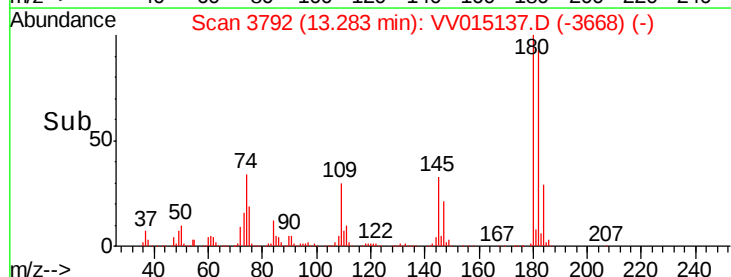


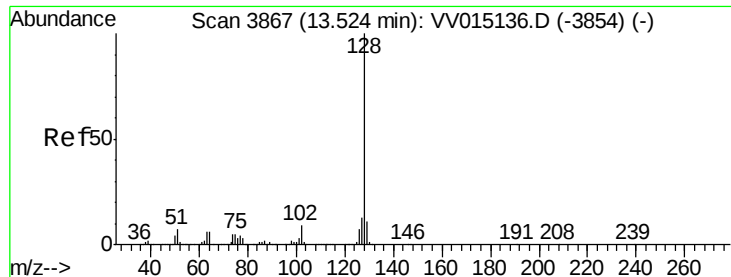
#68
 1,2,4-trichlorobenzene
 Concen: 103.965 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015137.D
 Acq: 25 Mar 2020 12:09

Tgt Ion:	180	Resp:	720722
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	33.1	26.6	40.0



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





#69

Naphthalene

Concen: 88.138 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

Instrument :

MSVOA_V

ClientSampleId :

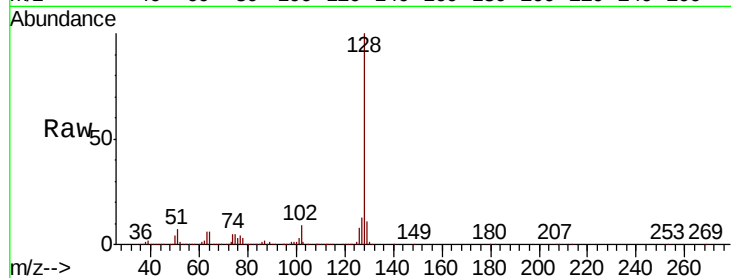
Tot Ion:128 Resp: 2716145

Ion Ratio Lower Upper

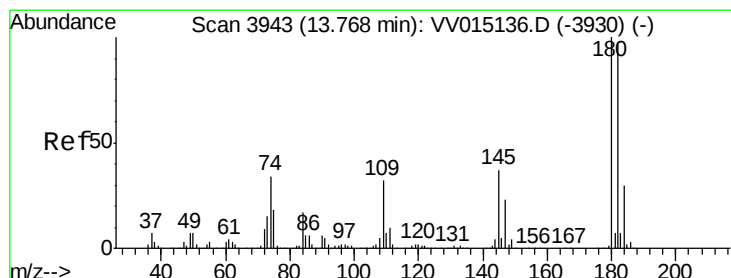
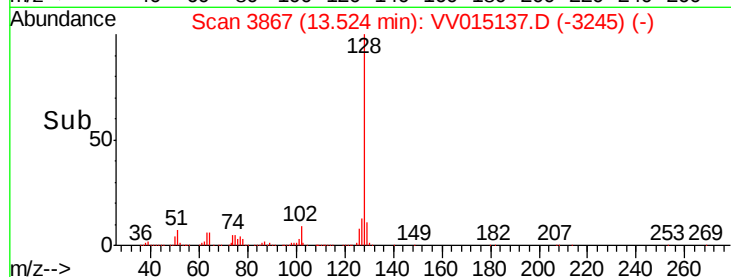
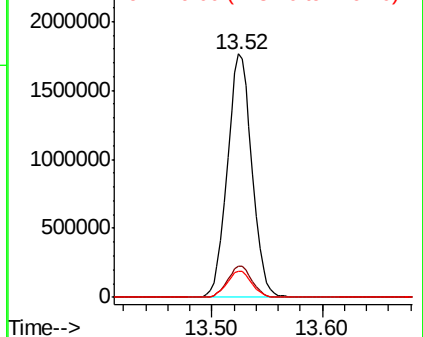
128 100

127 12.9 10.3 15.5

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 99.115 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015137.D

Acq: 25 Mar 2020 12:09

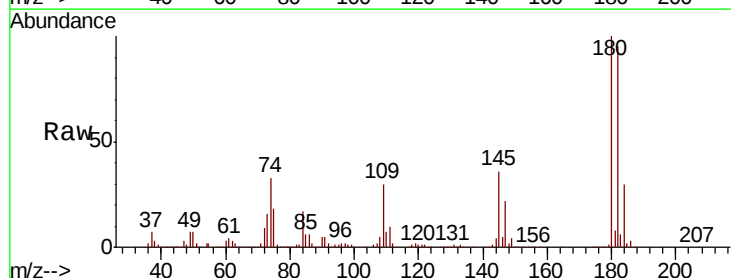
Tgt Ion:180 Resp: 718442

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 35.9 29.6 44.4



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

