

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015136.D
 Acq On : 25 Mar 2020 11:45
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 13:20:40 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	735783	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	708902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	340102	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	295695	48.77	ug/L	0.00
7) Chloroethane-d5	1.58	69	265602	43.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	566719	49.32	ug/L	0.00
21) 2-Butanone-d5	3.94	46	388791	83.45	ug/L	0.00
24) Chloroform-d	4.38	84	490250	44.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	314996	42.39	ug/L	0.00
32) Benzene-d6	5.08	84	971334	44.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	304807	41.73	ug/L	0.00
41) Toluene-d8	7.34	98	945662	48.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	167484	42.37	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	308508	81.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	446842	40.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	352084	45.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	253346	60.573	ug/L 100
3) Chloromethane	1.25	50	269979	38.640	ug/L 100
5) Vinyl chloride	1.32	62	283801	45.584	ug/L 100
6) Bromomethane	1.53	94	172243	38.480	ug/L 100
8) Chloroethane	1.60	64	211160	40.865	ug/L 100
9) Trichlorofluoromethane	1.77	101	435952	56.255	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	224993	58.797	ug/L 100
12) 1,1-Dichloroethene	2.13	96	214853	46.410	ug/L 100
13) Acetone	2.22	43	196407	71.453	ug/L 100
14) Carbon disulfide	2.31	76	576021	46.192	ug/L 100
15) Methyl Acetate	2.46	43	216882	34.936	ug/L 100
16) Methylene chloride	2.52	84	216314	37.540	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	197150	43.610	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	659108	36.007	ug/L 100
19) 1,1-Dichloroethane	3.21	63	358053	38.865	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	219309	39.972	ug/L 100
22) 2-Butanone	4.02	43	304341	75.068	ug/L 100
23) Bromochloromethane	4.28	128	109372	36.559	ug/L 100
25) Chloroform	4.41	83	376115	39.372	ug/L 100
27) 1,2-Dichloroethane	5.16	62	284651	37.492	ug/L 100
29) Cyclohexane	4.70	56	329457	56.566	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	341057	45.241	ug/L 100
31) Carbon tetrachloride	4.86	117	293989	49.023	ug/L 100
33) Benzene	5.13	78	821228	40.634	ug/L 100
34) Trichloroethene	5.94	95	209553	44.188	ug/L 100
35) Methylcyclohexane	6.15	83	352347	59.890	ug/L 100
37) 1,2-Dichloropropane	6.20	63	207605	37.622	ug/L 100
38) Bromodichloromethane	6.53	83	294975	37.345	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	348837	39.133	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	621290	67.211	ug/L 100

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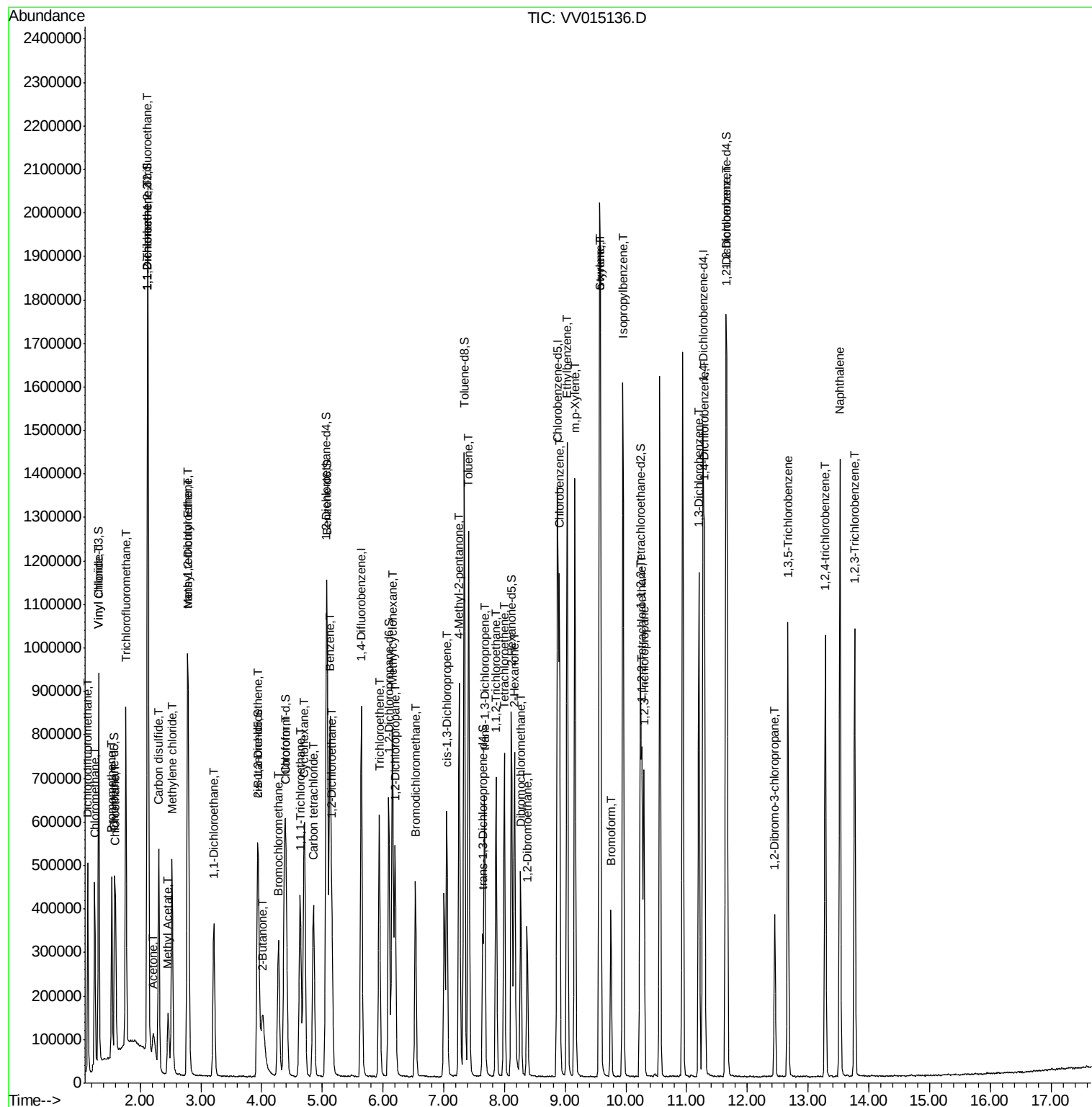
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	914458	44.375	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	350334	39.186	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	205089	35.719	ug/L	100
46) Tetrachloroethene	8.00	164	152207	49.794	ug/L	100
48) 2-Hexanone	8.16	43	490861	72.282	ug/L	100
49) Dibromochloromethane	8.27	129	232917	36.140	ug/L	100
50) 1,2-Dibromoethane	8.37	107	222697	36.044	ug/L	100
51) Chlorobenzene	8.90	112	587321	43.211	ug/L	100
52) Ethylbenzene	9.03	91	1016097	47.977	ug/L	100
53) m,p-Xylene	9.16	106	389471	47.596	ug/L	100
54) o-xylene	9.57	106	393916	45.751	ug/L	100
55) Styrene	9.58	104	670886	44.310	ug/L	100
56) Isopropylbenzene	9.95	105	1013805	50.802	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	336330	35.353	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	270132	35.149	ug/L	100
61) Bromoform	9.75	173	158994	32.592	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	436807	42.707	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	444043	42.711	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	448620	40.386	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	91162	32.092	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	292224	45.123	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	275318	42.067	ug/L	100
69) Naphthalene	13.52	128	1070131	36.782	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	278442	40.688	ug/L	100

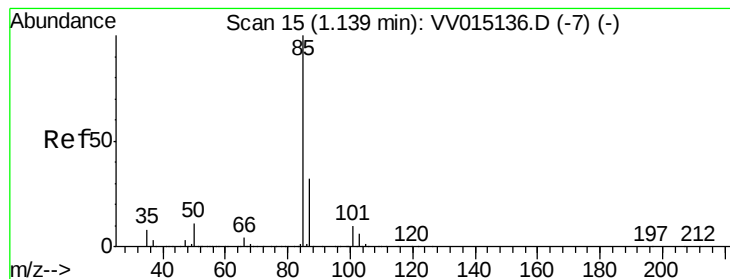
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 60.573 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

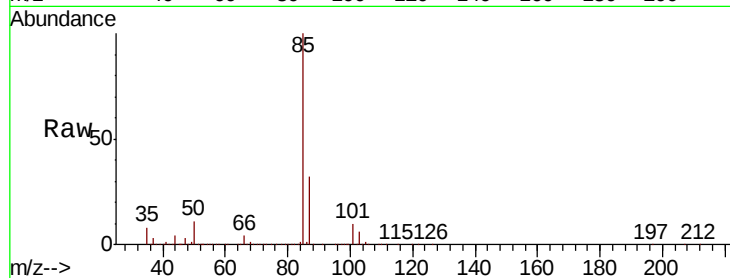
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 253346

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV015136.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV015136.D (-7) (-)

1.14

250000

200000

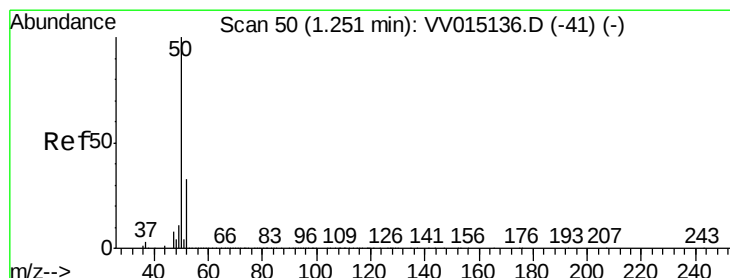
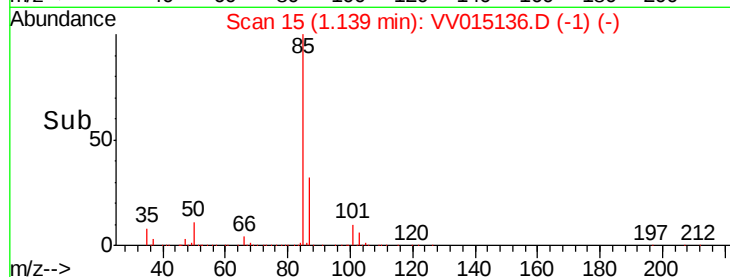
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 38.640 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015136.D

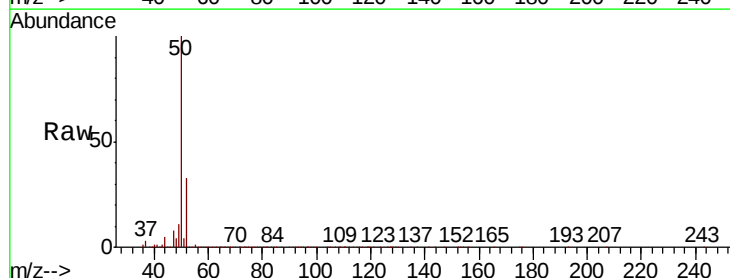
Acq: 25 Mar 2020 11:45

Tgt Ion: 50 Resp: 269979

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV015136.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015136.D (-41) (-)

1.25

250000

200000

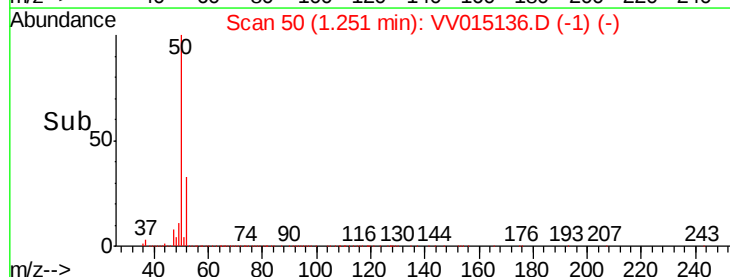
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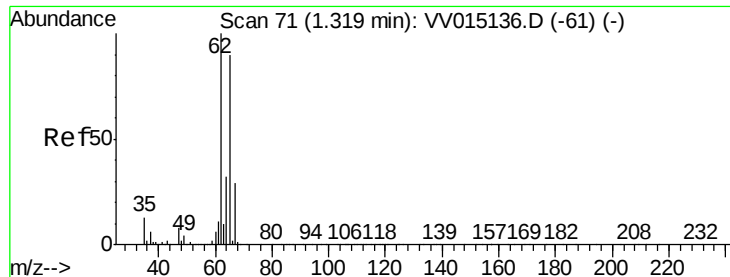
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.584 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

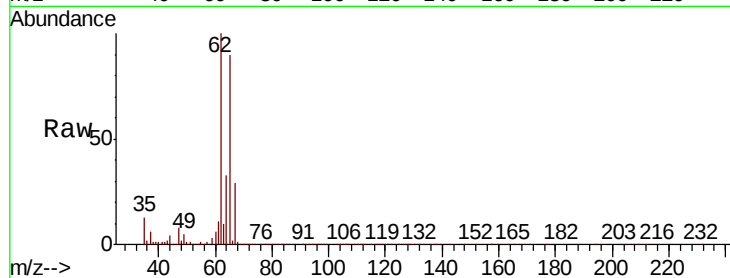
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 283801

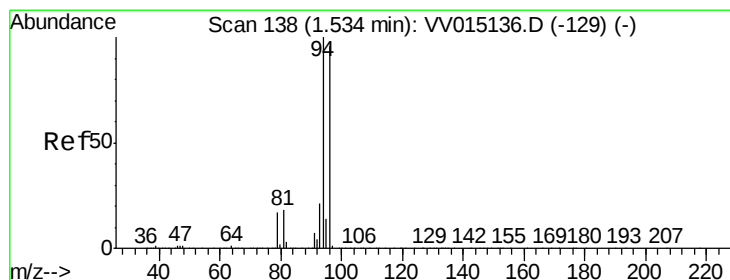
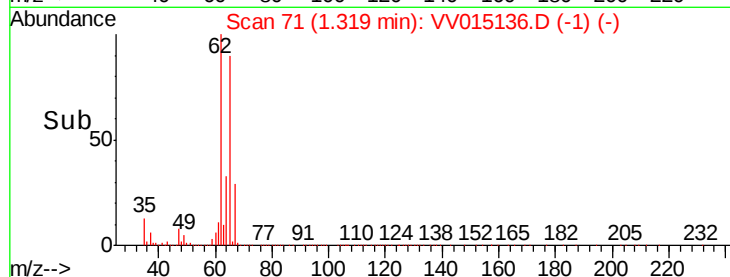
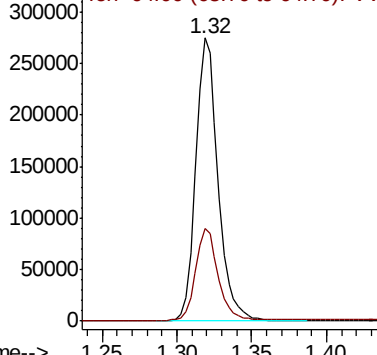
Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 38.480 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015136.D

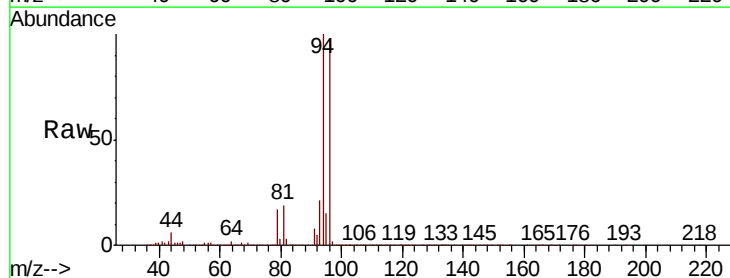
Acq: 25 Mar 2020 11:45

Tgt Ion: 94 Resp: 172243

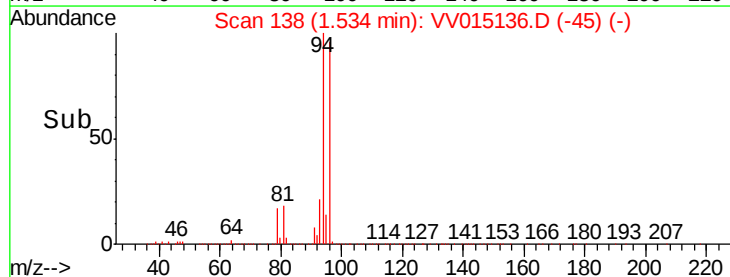
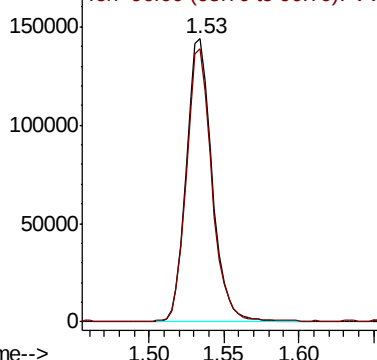
Ion Ratio Lower Upper

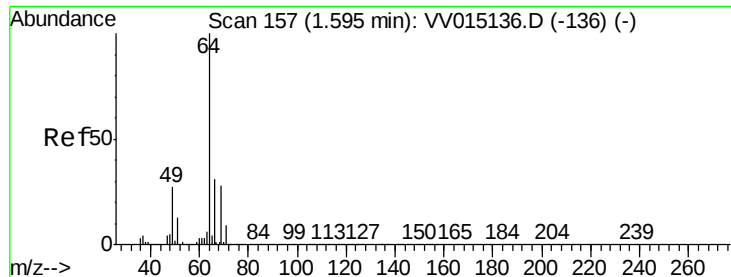
94 100

96 96.7 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 40.865 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

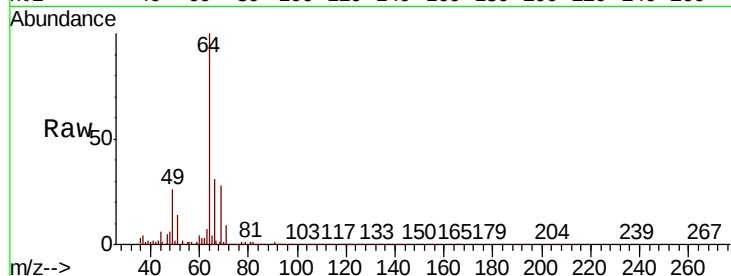
ClientSampleId :

Tot Ion: 64 Resp: 211160

Ion Ratio Lower Upper

64 100

66 30.9 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VV015136.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VV015136.D (-136) (-)

1.60

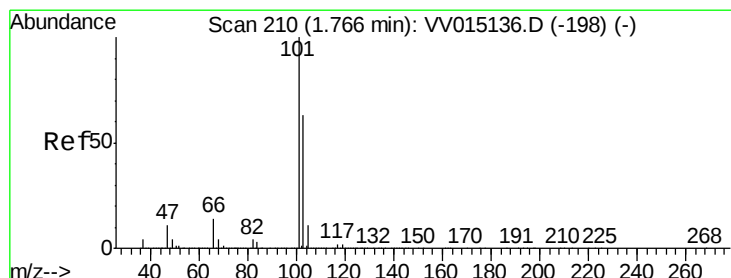
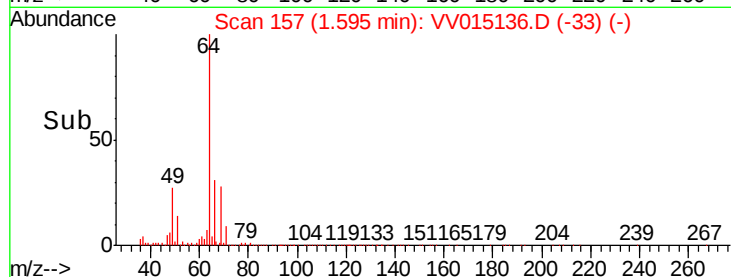
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 56.255 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015136.D

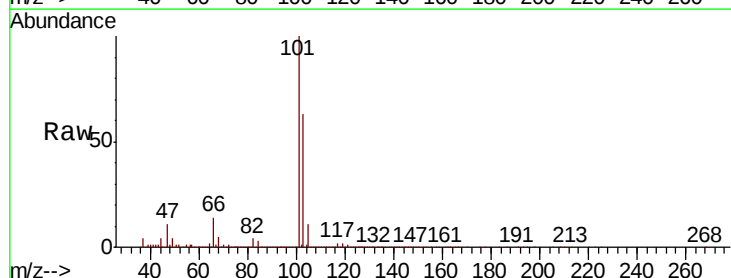
Acq: 25 Mar 2020 11:45

Tgt Ion: 101 Resp: 435952

Ion Ratio Lower Upper

101 100

103 64.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV015136.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015136.D (-198) (-)

1.77

400000

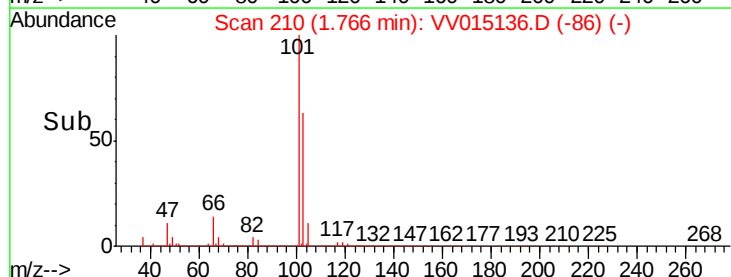
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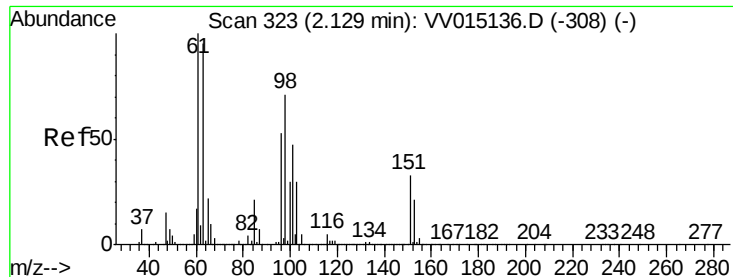
200000

100000

0

Time-->





#10

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

Concen: 58.797 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

ClientSampleId :

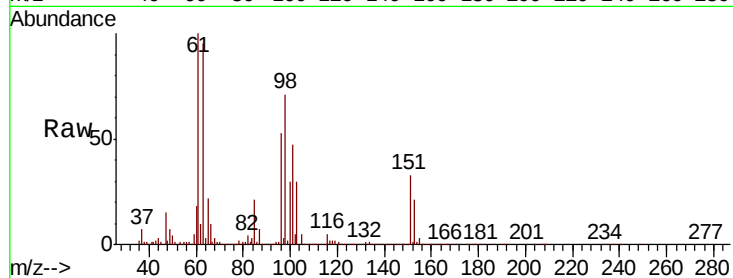
Tot Ion:101 Resp: 224993

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

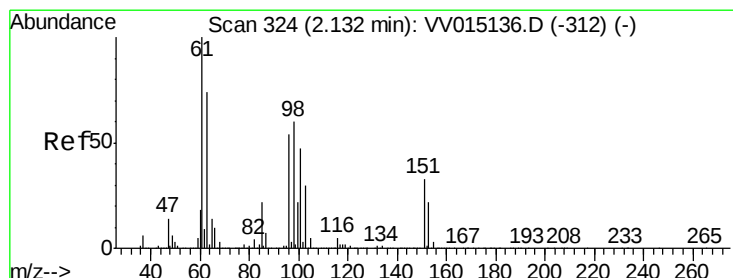
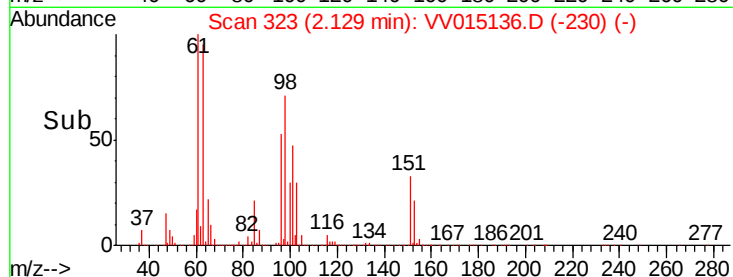
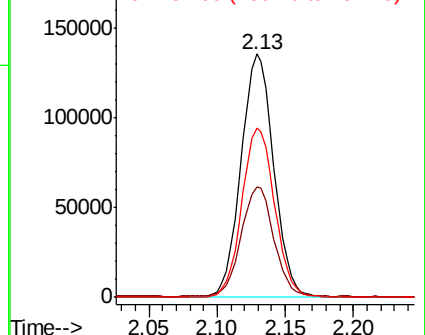
151 70.2 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.410 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

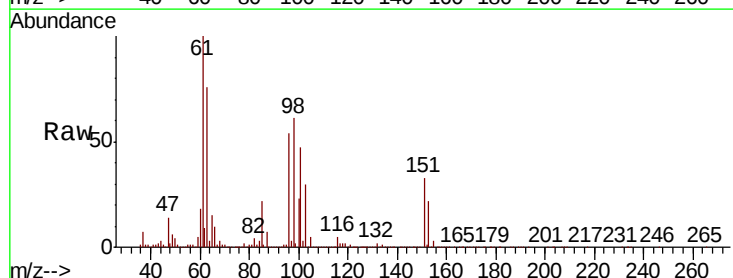
Tgt Ion: 96 Resp: 214853

Ion Ratio Lower Upper

96 100

61 183.7 128.6 238.8

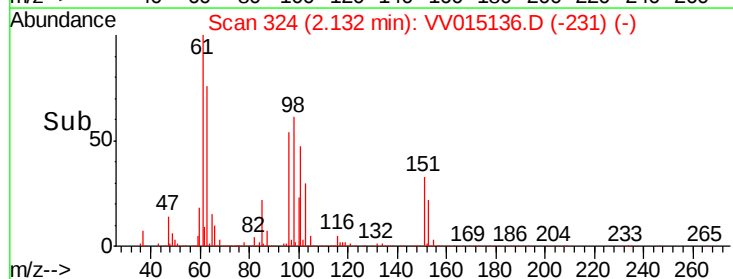
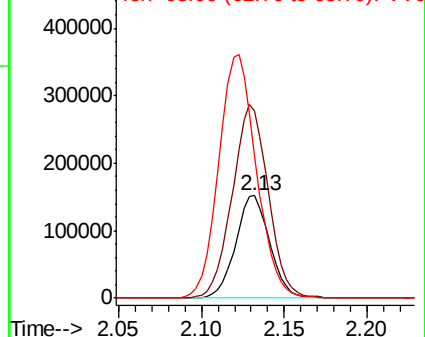
63 139.3 97.5 181.1

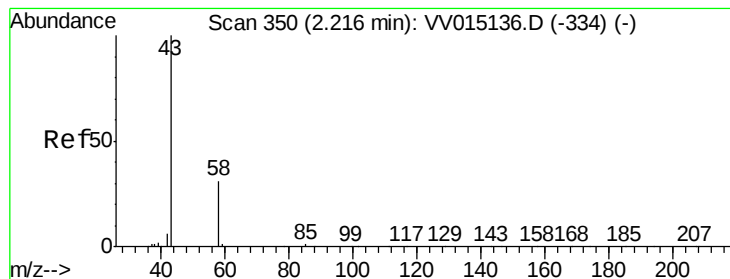


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 71.453 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

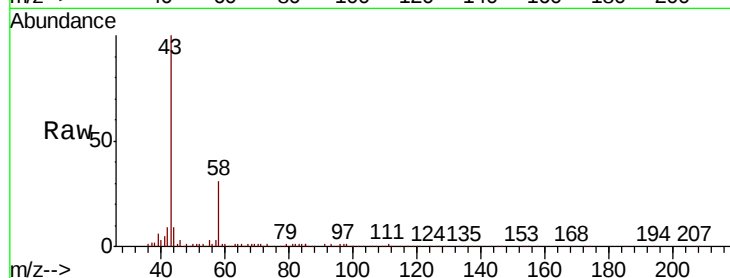
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 196407

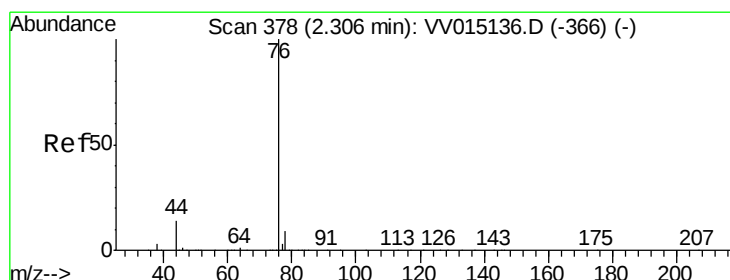
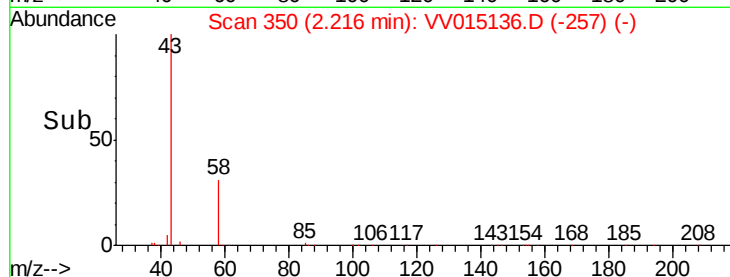
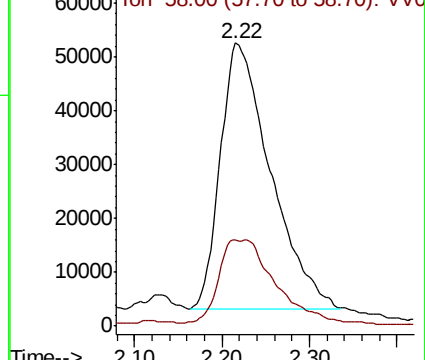
Ion Ratio Lower Upper

43 100

58 14.2 0.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 46.192 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015136.D

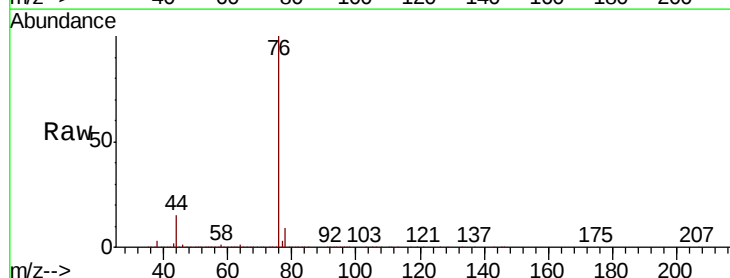
Acq: 25 Mar 2020 11:45

Tgt Ion: 76 Resp: 576021

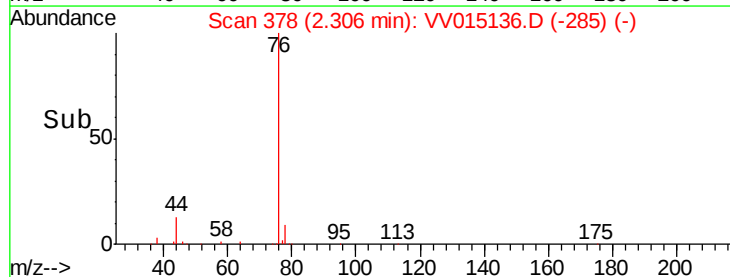
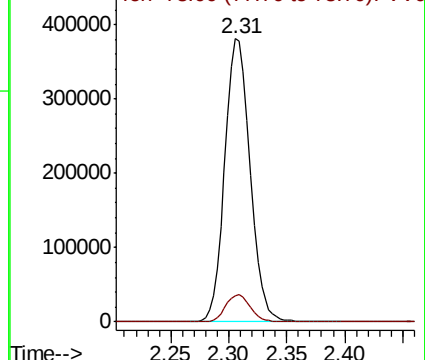
Ion Ratio Lower Upper

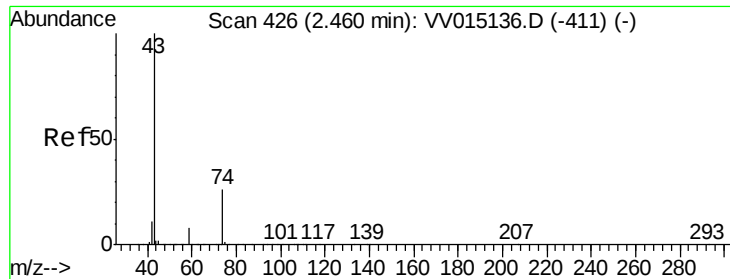
76 100

78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0
Ion 78.00 (77.70 to 78.70): VV0

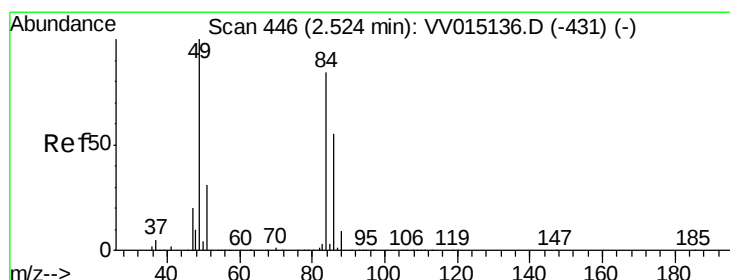
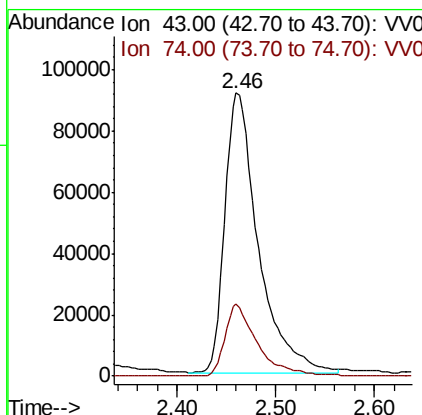
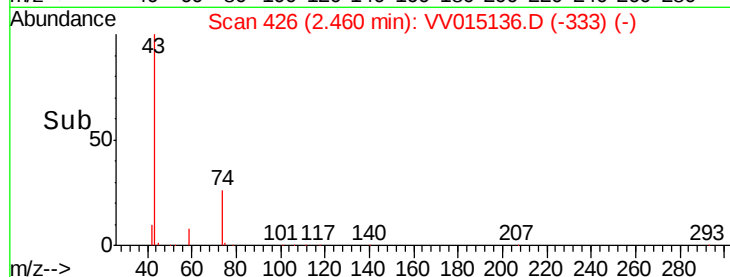
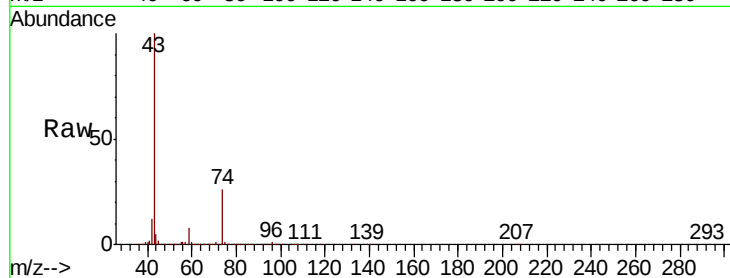




#15
Methvl Acetate
Concen: 34.936 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

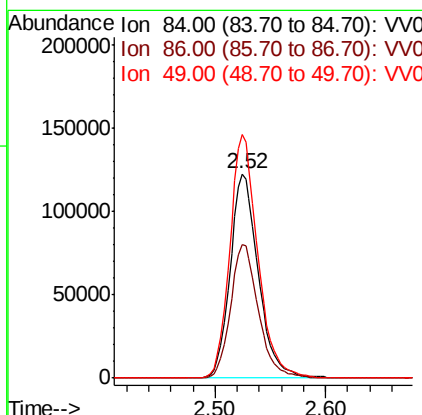
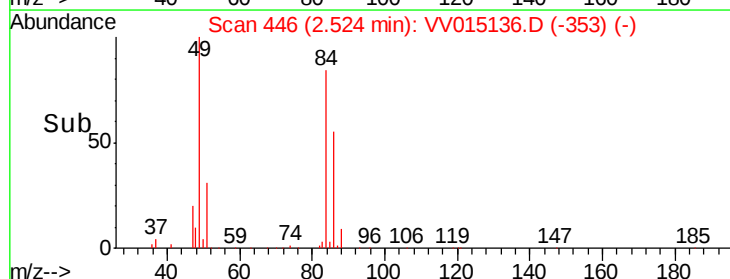
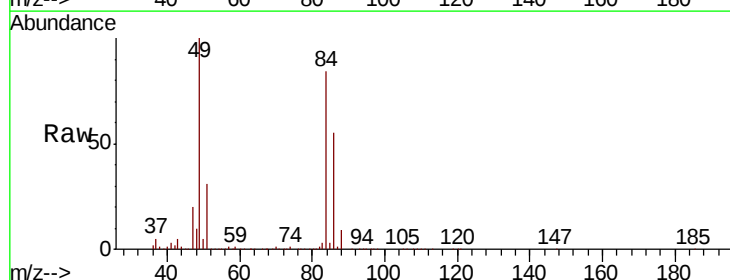
Instrument :
MSVOA_V
ClientSampled :

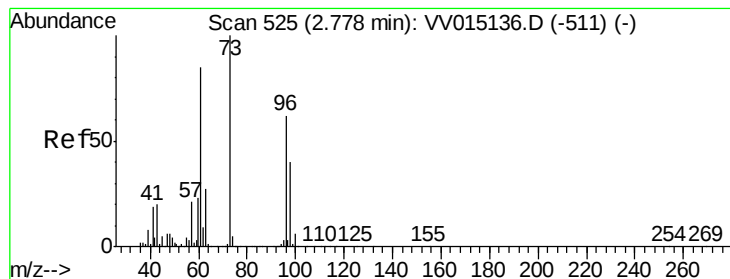
Tot Ion: 43 Resp: 216882
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3



#16
Methylene chloride
Concen: 37.540 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Tgt Ion: 84 Resp: 216314
Ion Ratio Lower Upper
84 100
86 65.5 45.8 85.2
49 119.0 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 43.610 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :
MSVOA_V
ClientSampleId :

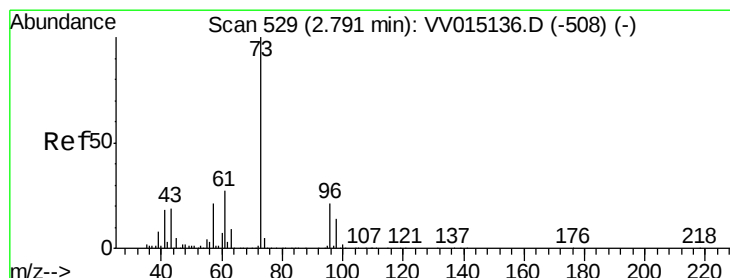
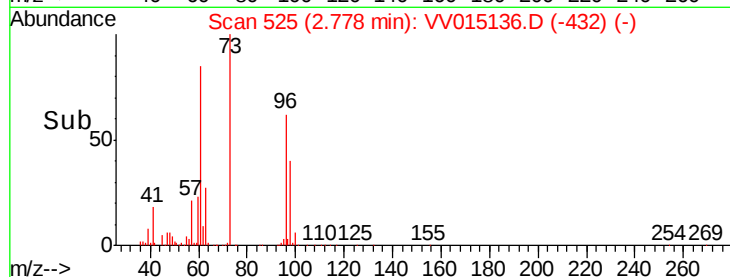
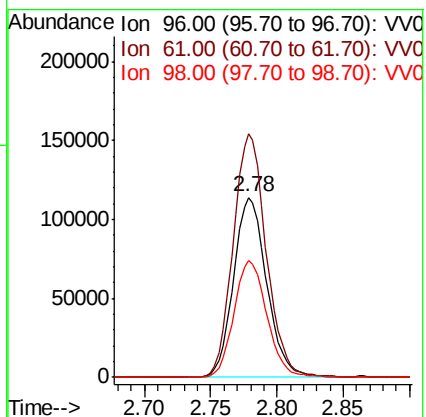
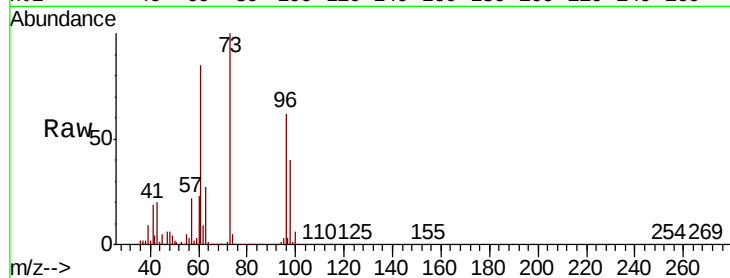
Tot Ion: 96 Resp: 197150

Ion Ratio Lower Upper

96 100

61 135.4 94.8 176.0

98 64.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 36.007 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

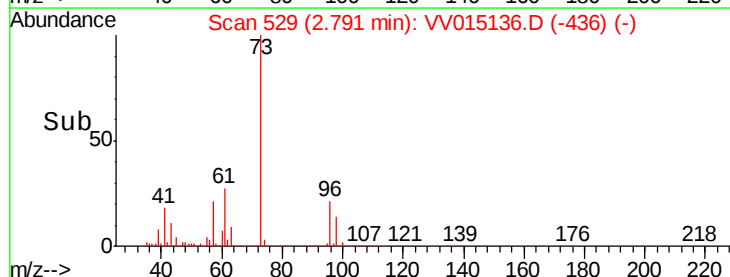
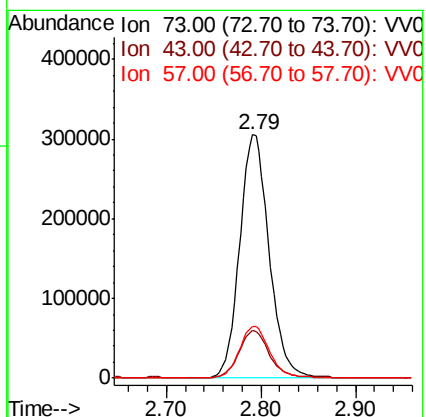
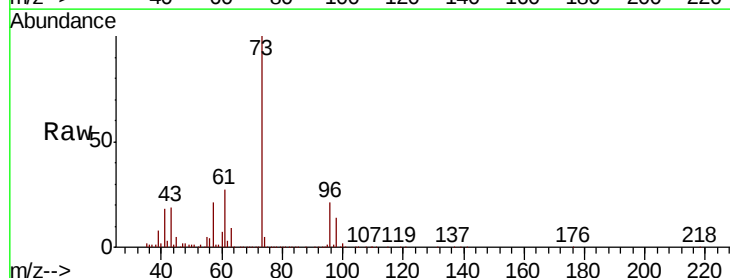
Tgt Ion: 73 Resp: 659108

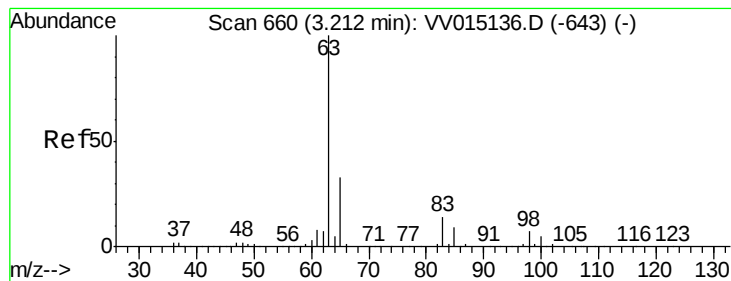
Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

57 21.3 17.0 25.6





#19

1,1-Dichloroethane

Concen: 38.865 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

ClientSampleId :

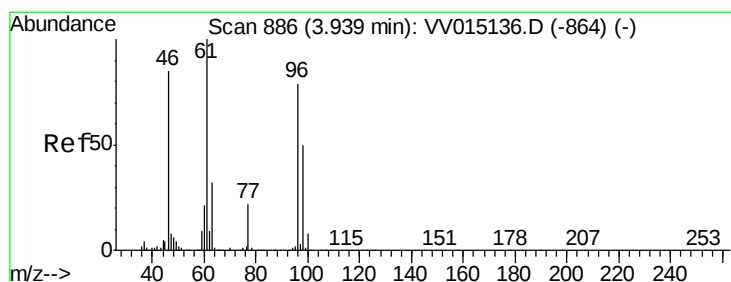
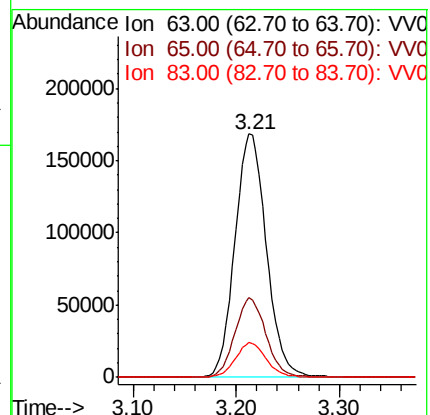
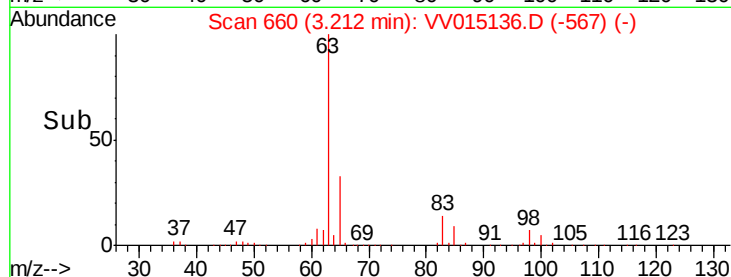
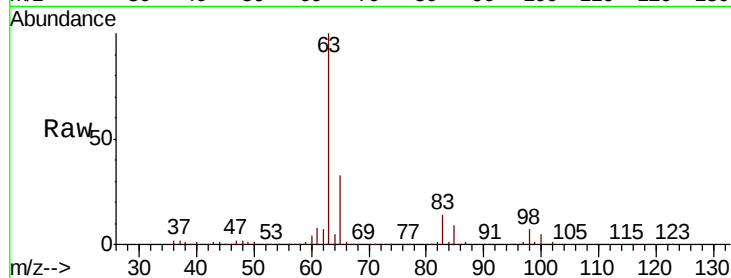
Tot Ion: 63 Resp: 358053

Ion Ratio Lower Upper

63 100

65 32.6 22.8 42.4

83 14.1 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 39.972 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

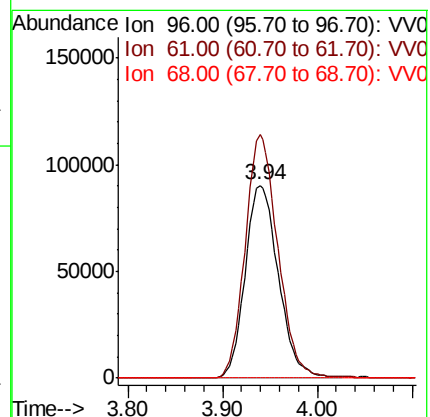
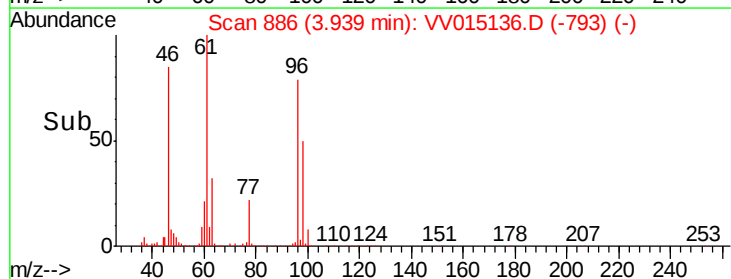
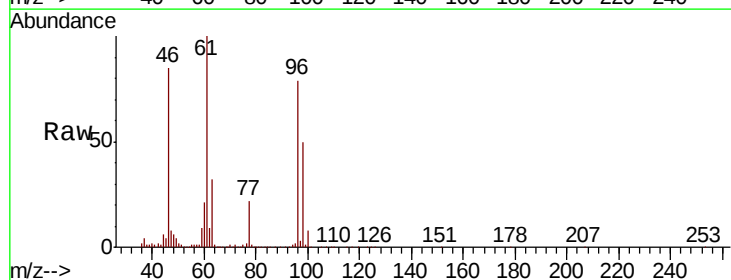
Tgt Ion: 96 Resp: 219309

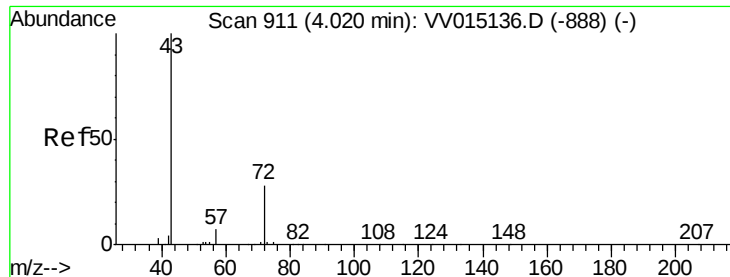
Ion Ratio Lower Upper

96 100

61 126.1 88.3 163.9

68 0.2 0.1 0.3





#22

2-Butanone

Concen: 75.068 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

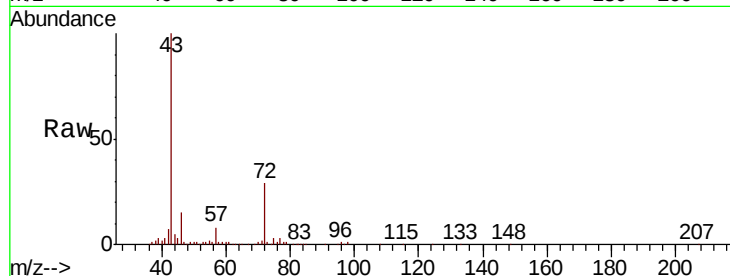
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 304341

Ion Ratio Lower Upper

43 100

72 26.9 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV015136.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV015136.D (-888) (-)

4.02

80000

60000

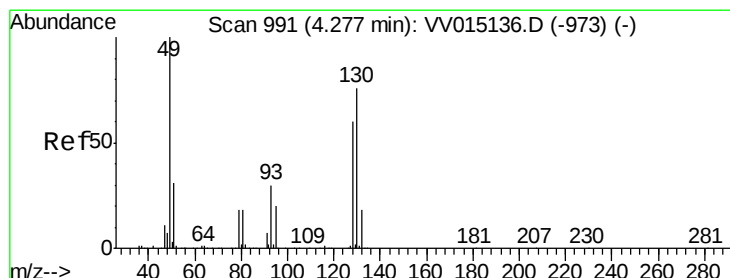
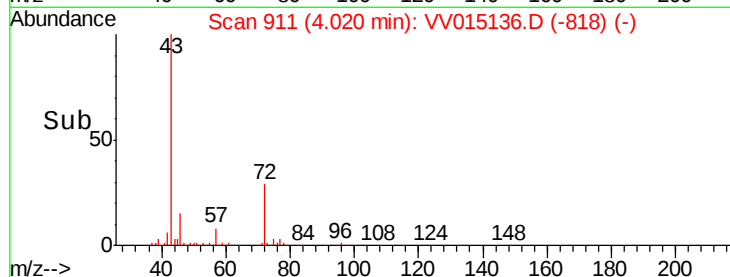
40000

20000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 36.559 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Tgt Ion:128 Resp: 109372

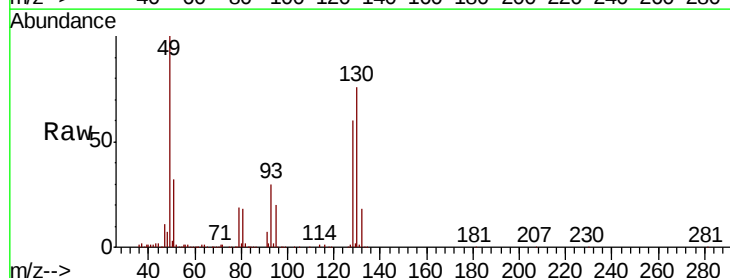
Ion Ratio Lower Upper

128 100

49 167.3 117.1 217.5

130 127.8 89.5 166.1

51 52.8 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VV015136.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV015136.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV015136.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV015136.D (-973) (-)

100000

80000

60000

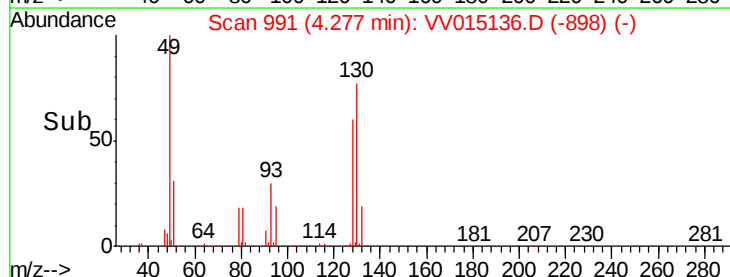
40000

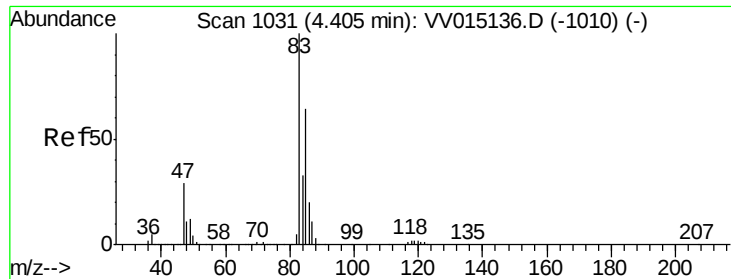
20000

0

Time-->

4.20 4.30 4.40





#25

Chloroform

Concen: 39.372 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

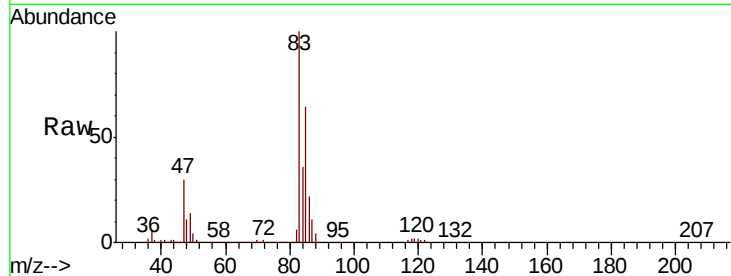
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 376115

Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2



Abundance Ion 83.00 (82.70 to 83.70): VV015136.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV015136.D (-1010) (-)

150000

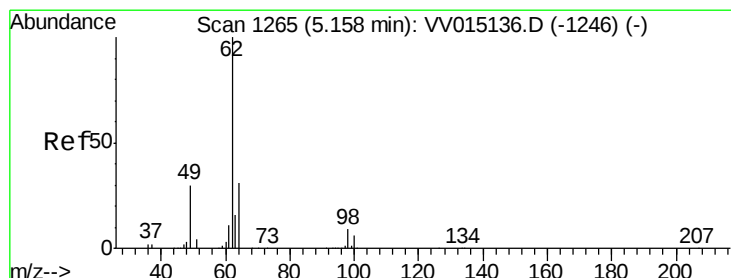
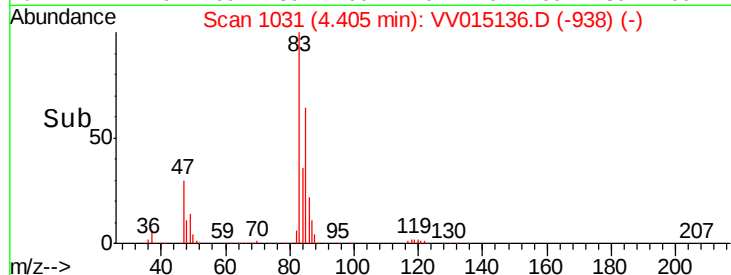
100000

50000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 37.492 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015136.D

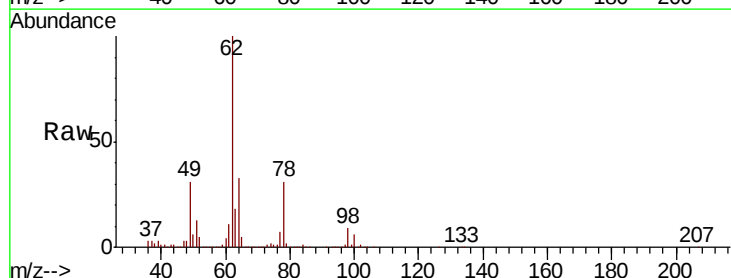
Acq: 25 Mar 2020 11:45

Tgt Ion: 62 Resp: 284651

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV015136.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VV015136.D (-1246) (-)

150000

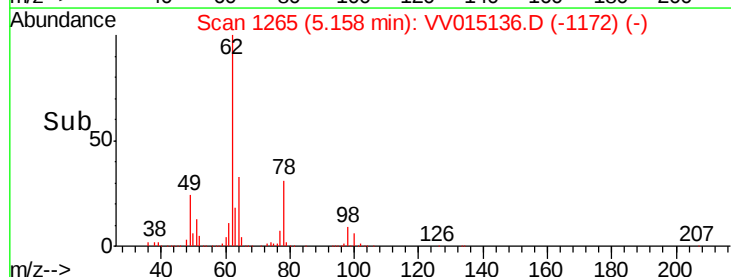
100000

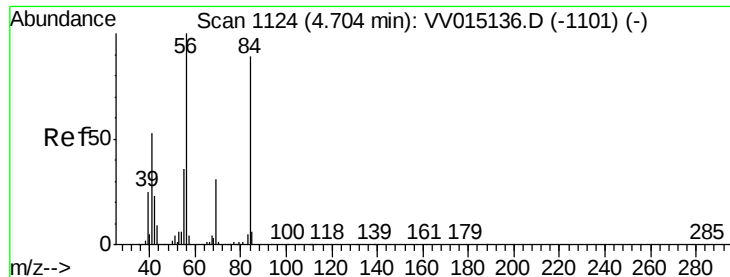
50000

0

5.10 5.20

Time-->

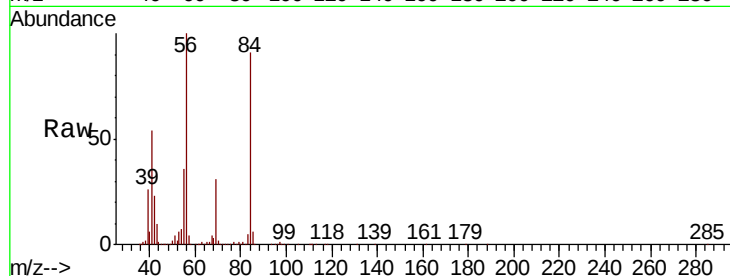




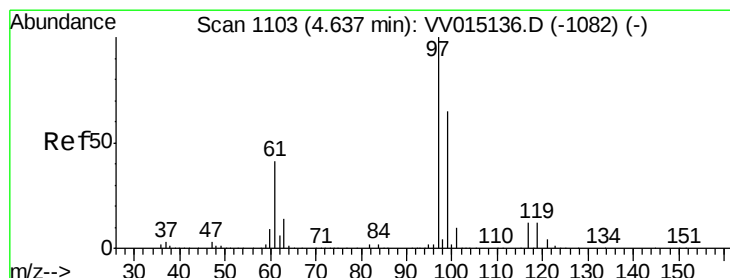
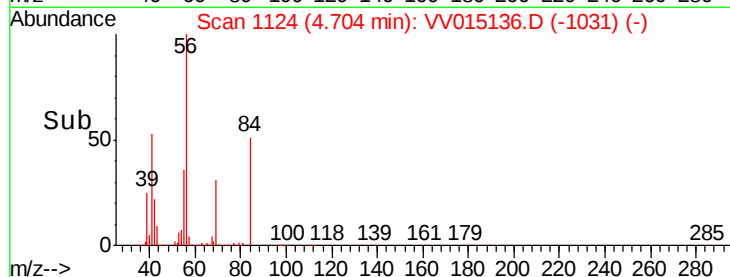
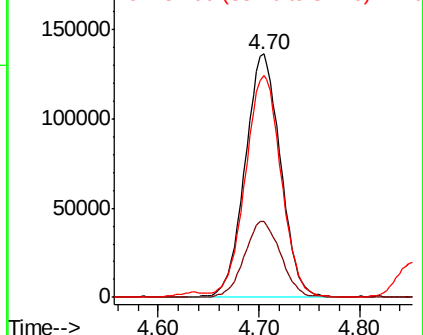
#29
Cyclohexane
Concen: 56.566 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 329457
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.2
84 92.5 74.0 111.0

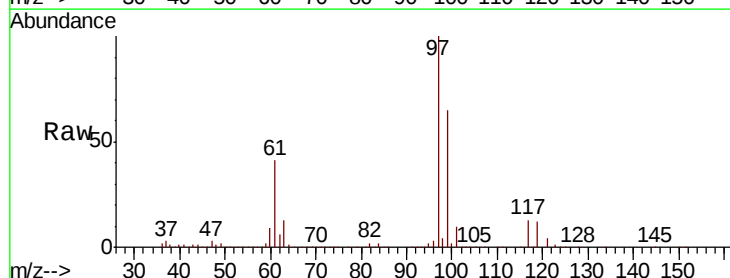


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

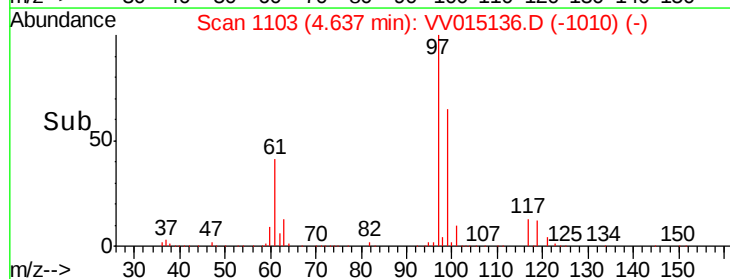
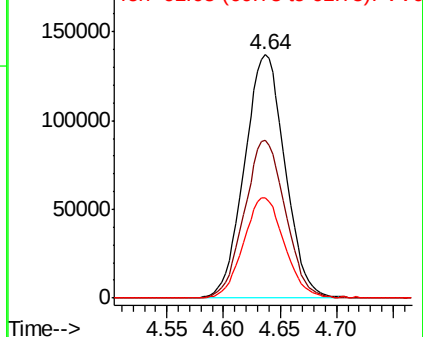


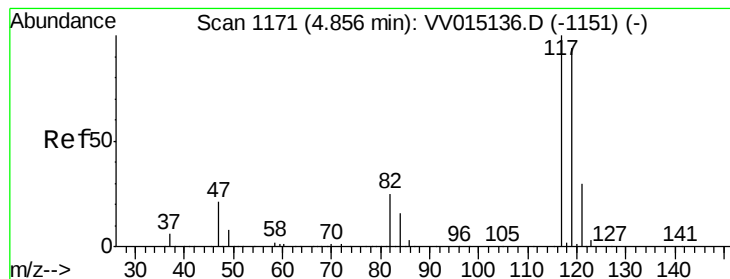
#30
1,1,1-Trichloroethane
Concen: 45.241 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Tgt Ion: 97 Resp: 341057
Ion Ratio Lower Upper
97 100
99 65.6 52.5 78.7
61 41.5 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: 49.023 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

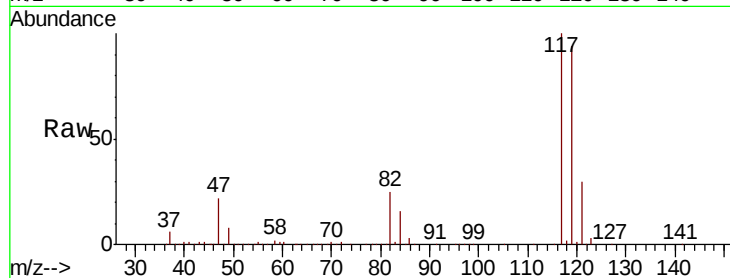
ClientSampled :

Tot Ion:117 Resp: 293989

Ion Ratio Lower Upper

117 100

119 95.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

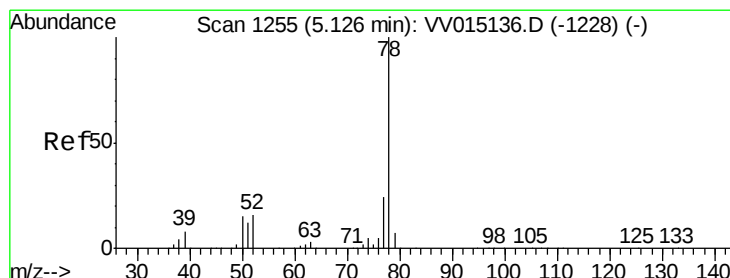
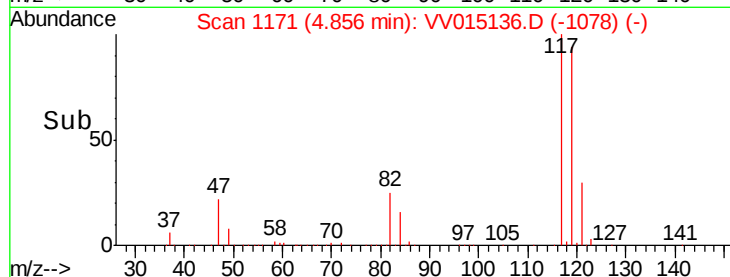
100000

50000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 40.634 ug/L

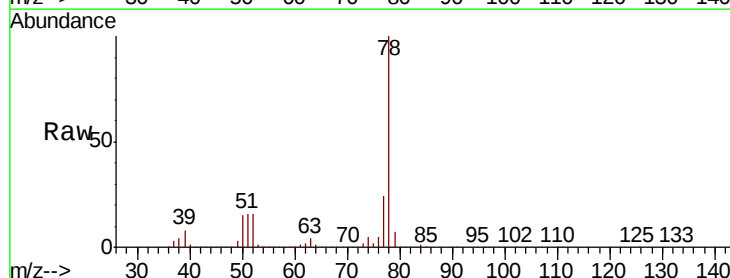
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Tgt Ion: 78 Resp: 821228



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

400000

300000

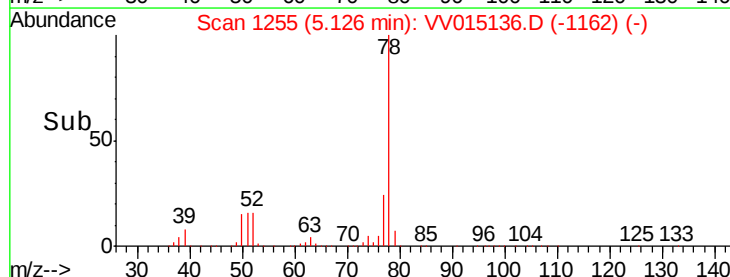
200000

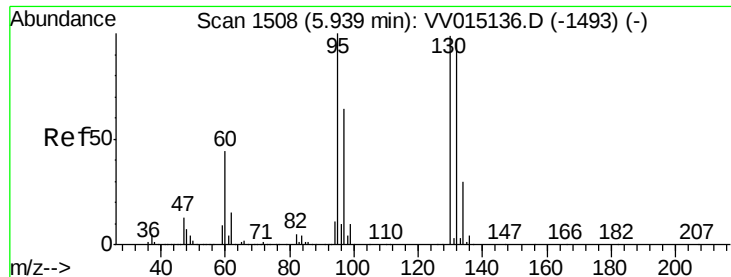
100000

0

Time-->

5.00 5.10 5.20

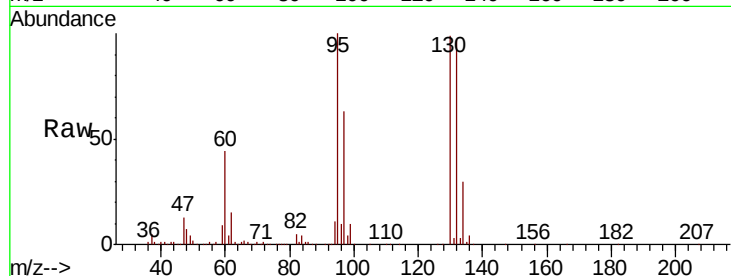




#34
 Trichloroethene
 Concen: 44.188 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015136.D
 Acq: 25 Mar 2020 11:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	209553
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.4
132	96.6	67.6	125.6
130	98.8	69.2	128.4



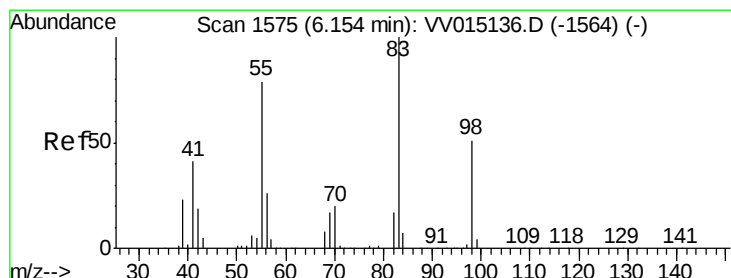
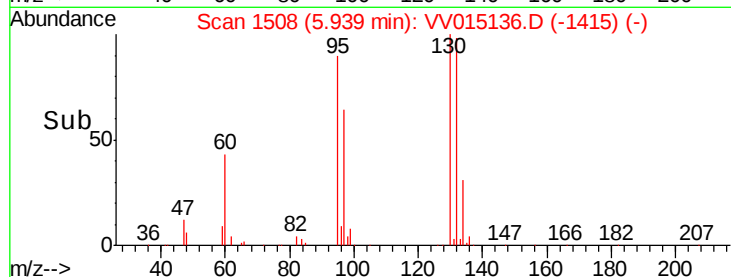
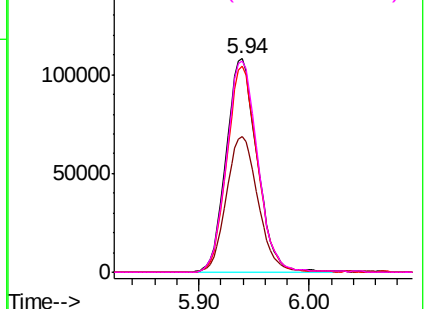
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

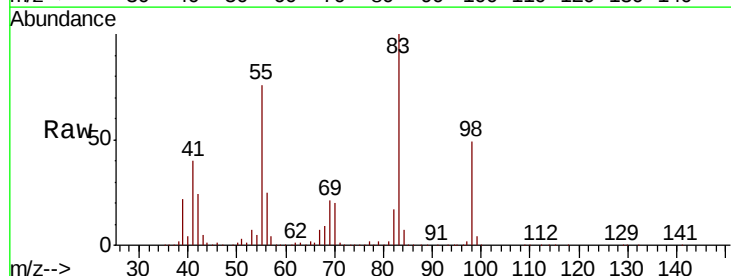
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 59.890 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015136.D
 Acq: 25 Mar 2020 11:45

Tgt Ion:	83	Resp:	352347
Ion	Ratio	Lower	Upper
83	100		
55	74.4	59.5	89.3
98	48.9	39.1	58.7

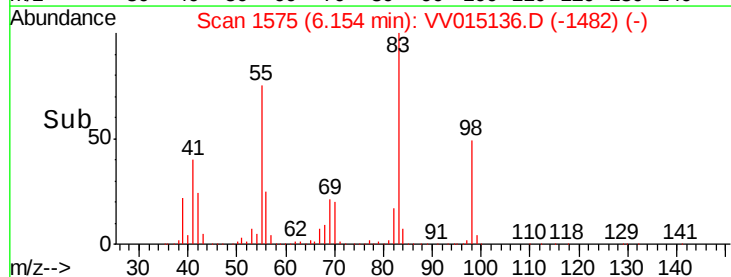
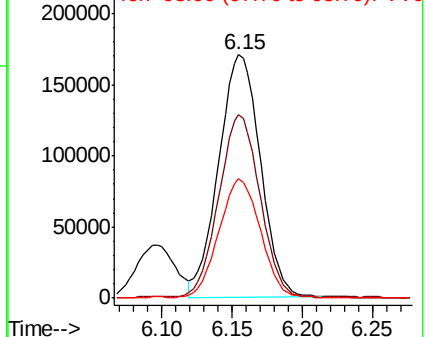


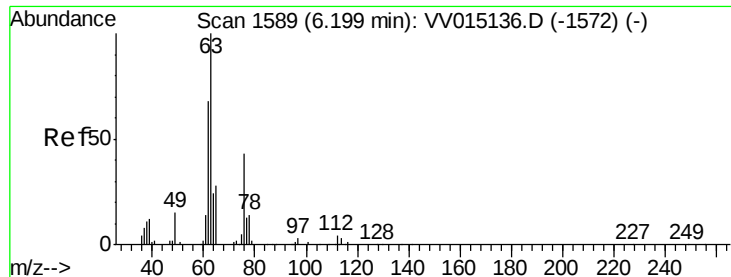
Abundance

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: 37.622 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

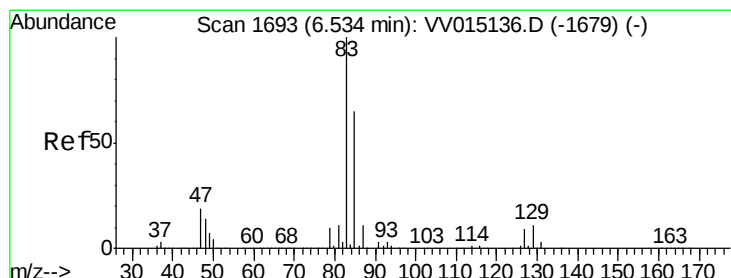
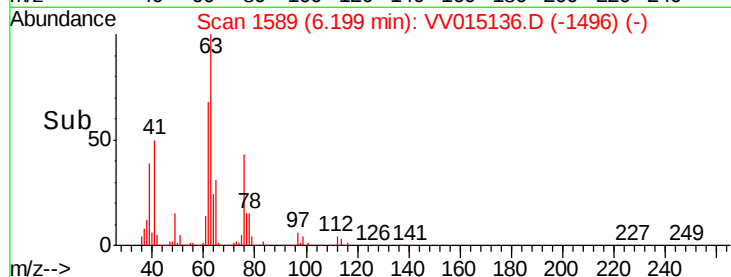
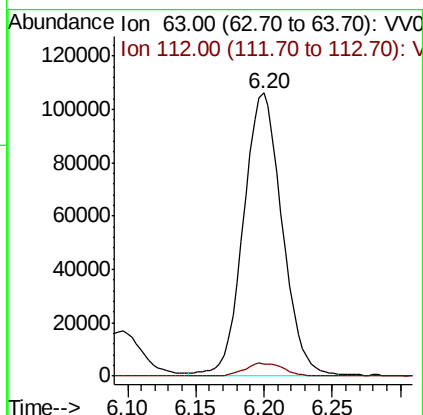
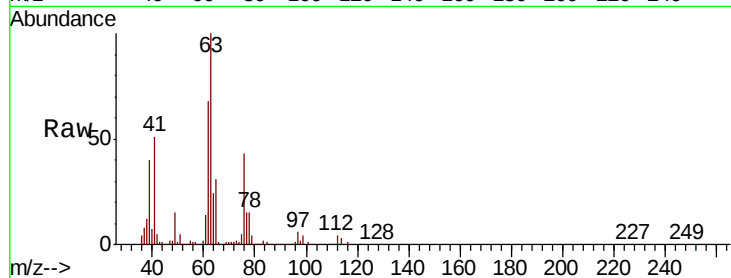
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 207605

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 37.345 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

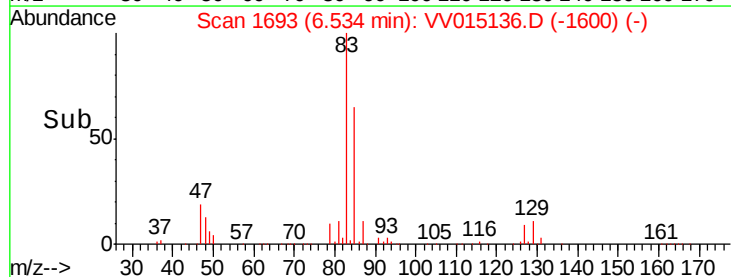
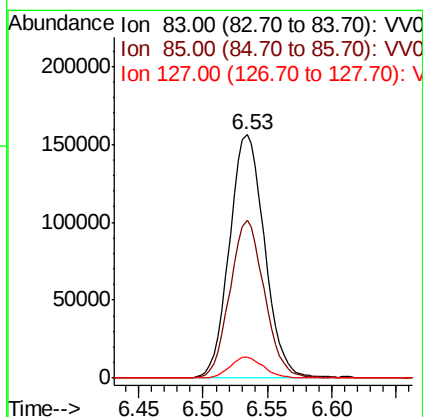
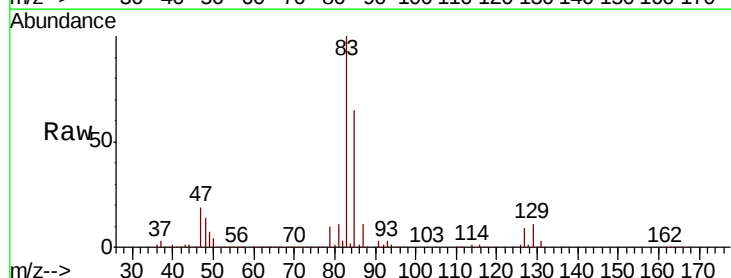
Tgt Ion: 83 Resp: 294975

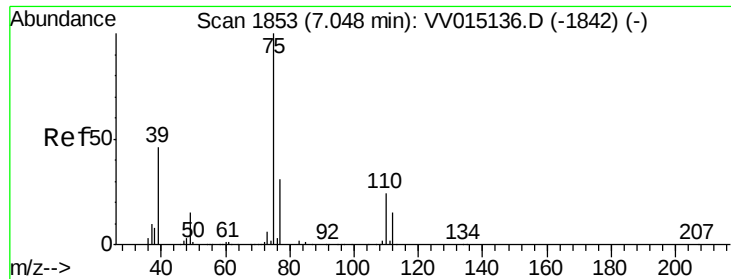
Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

127 8.6 6.9 10.3

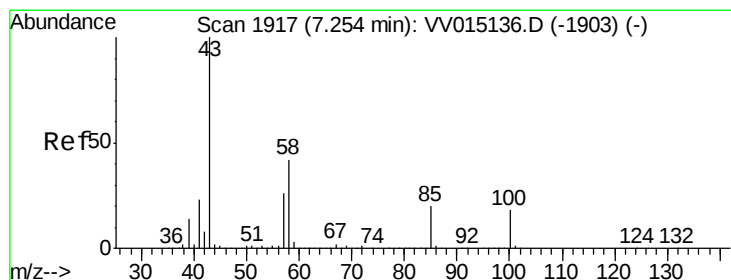
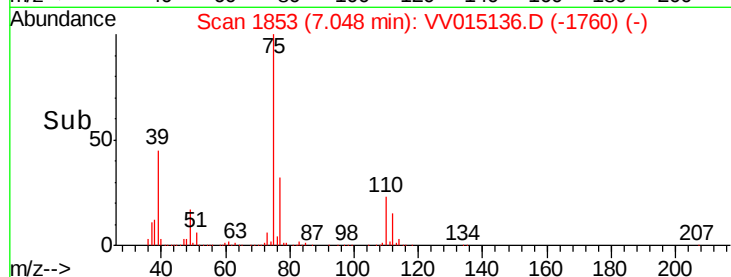
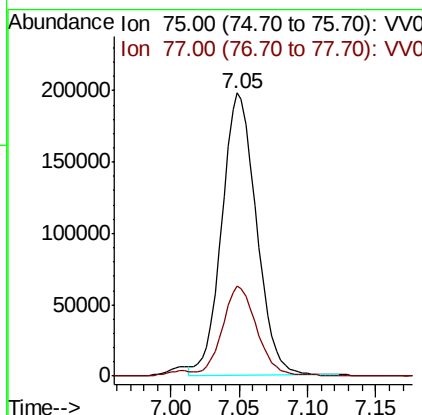
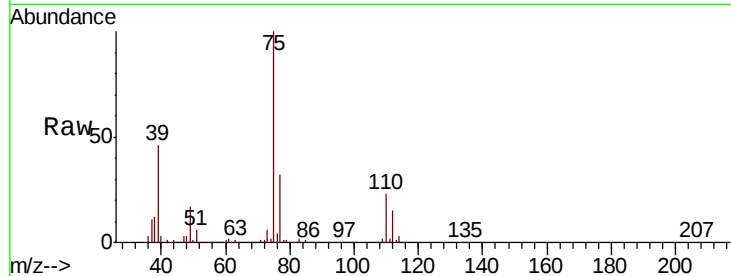




#39
 cis-1,3-Dichloropropene
 Concen: 39.133 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015136.D
 Acq: 25 Mar 2020 11:45

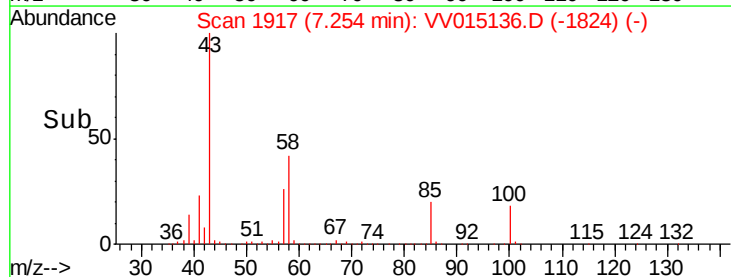
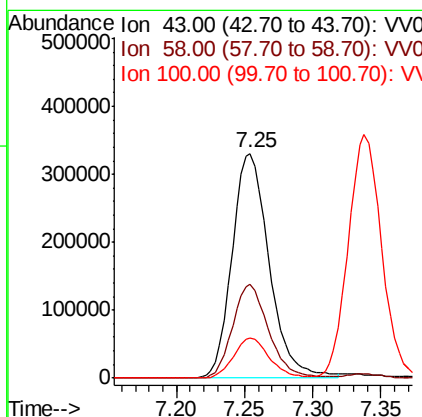
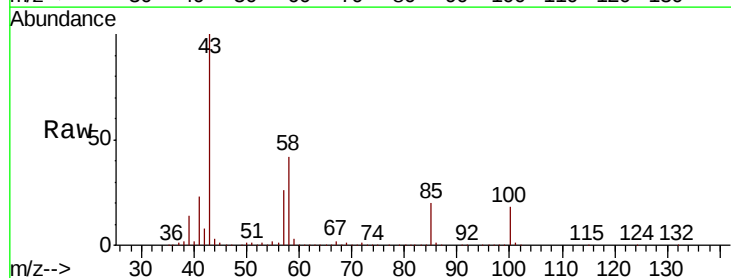
Instrument :
 MSVOA_V
 ClientSampleId :

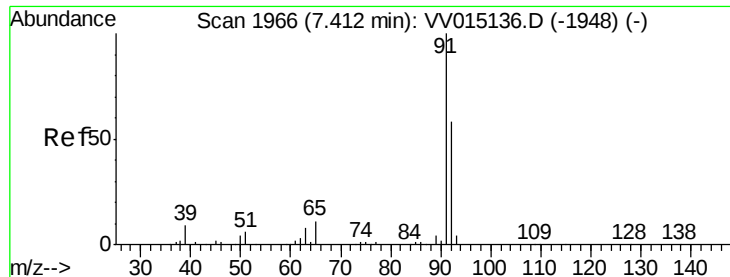
Tot Ion: 75 Resp: 348837
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 67.211 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015136.D
 Acq: 25 Mar 2020 11:45

Tgt Ion: 43 Resp: 621290
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.5 48.7
 100 17.3 13.8 20.8





#42

Toluene

Concen: 44.375 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

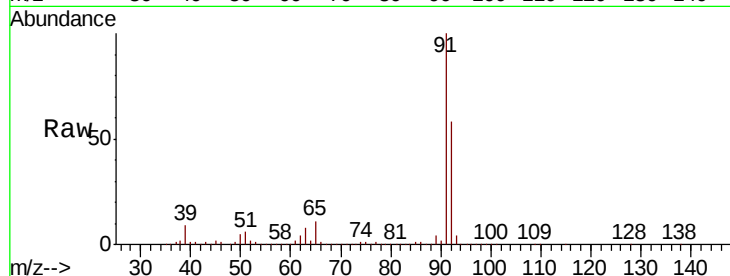
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 914458

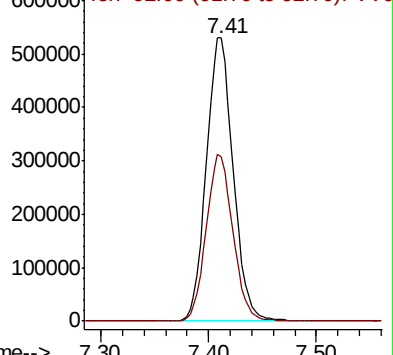
Ion Ratio Lower Upper

91 100

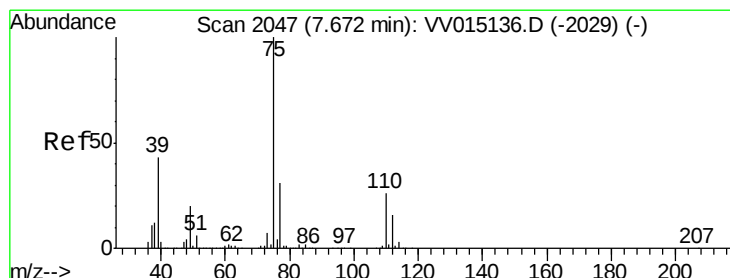
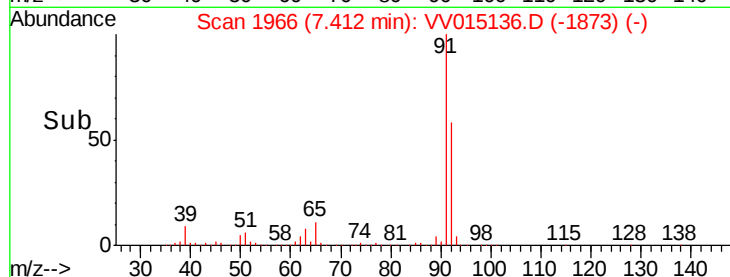
92 58.2 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV015136.D (-1948) (-)
Ion 92.00 (91.70 to 92.70): VV015136.D (-1873) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 39.186 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015136.D

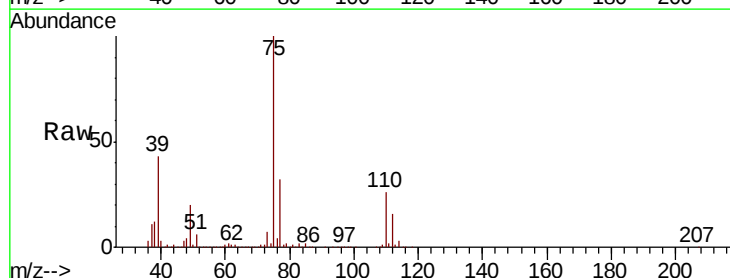
Acq: 25 Mar 2020 11:45

Tgt Ion: 75 Resp: 350334

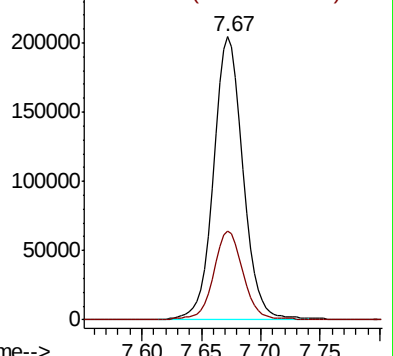
Ion Ratio Lower Upper

75 100

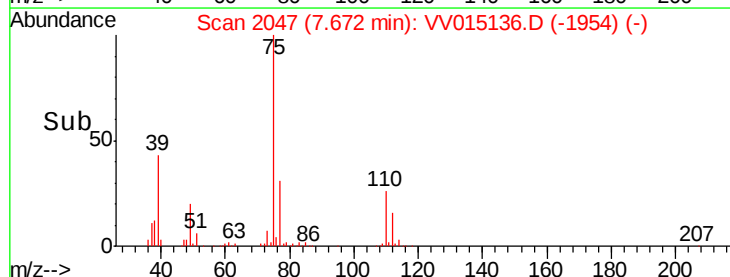
77 31.5 22.0 41.0

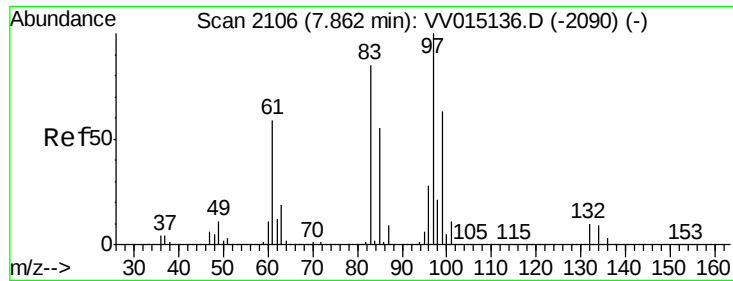


Abundance Ion 75.00 (74.70 to 75.70): VV015136.D (-2029) (-)
Ion 77.00 (76.70 to 77.70): VV015136.D (-1954) (-)



Time-->

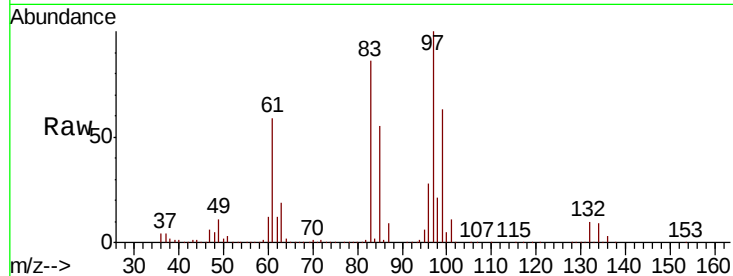




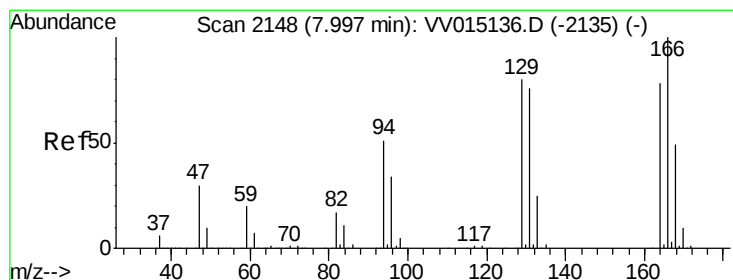
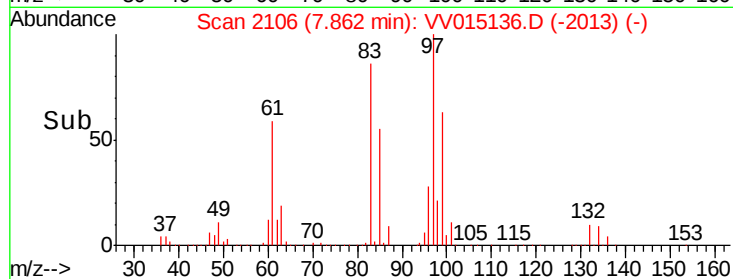
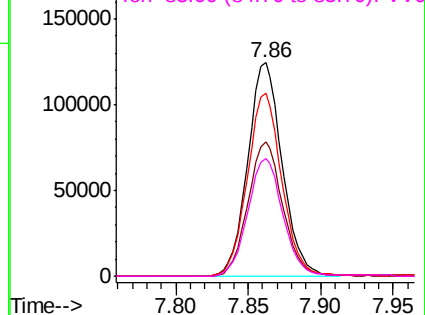
#45
1,1,2-Trichloroethane
Concen: 35.719 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	205089
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	85.6	59.9	111.3
85	55.2	38.6	71.8

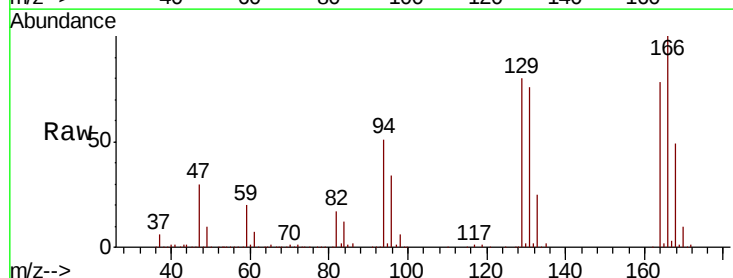


Abundance Ion 97.00 (96.70 to 97.70): VV015136.D (-2090) (-)

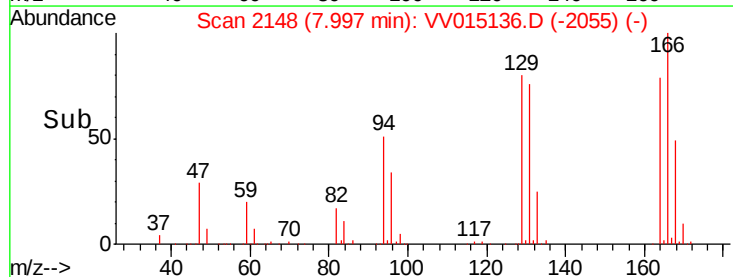
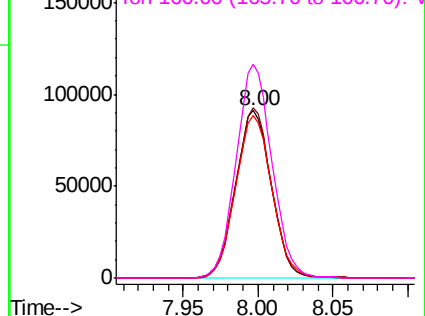


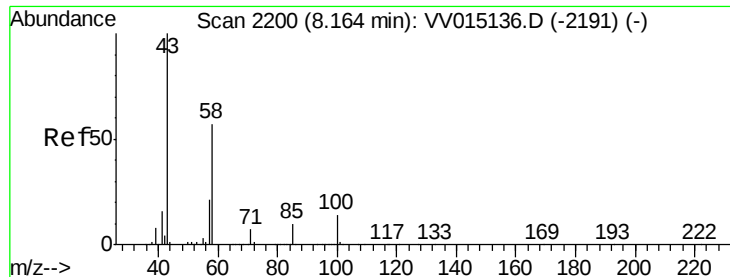
#46
Tetrachloroethene
Concen: 49.794 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Tgt Ion:	164	Resp:	152207
Ion	Ratio	Lower	Upper
164	100		
129	101.7	71.2	132.2
131	96.8	67.8	125.8
166	127.5	89.2	165.8



Abundance Ion 164.00 (163.70 to 164.70): VV015136.D (-2135) (-)

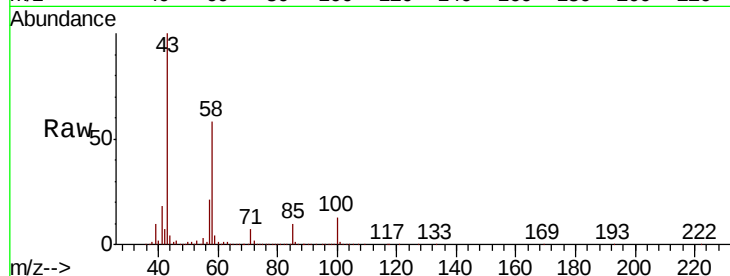




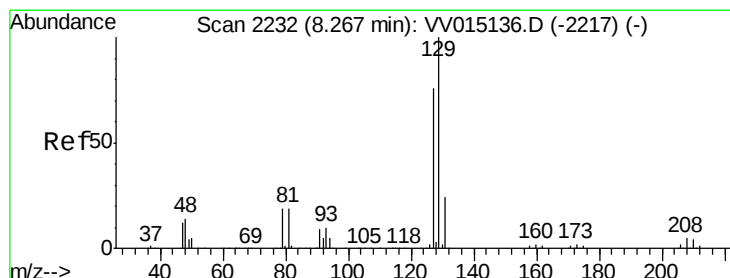
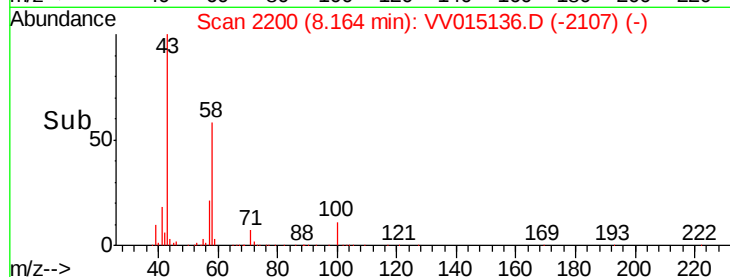
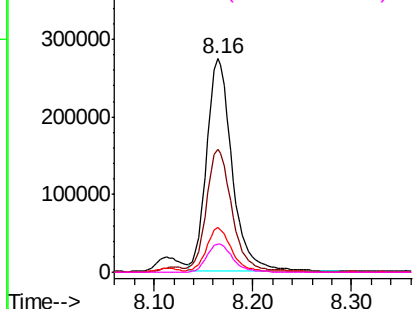
#48
2-Hexanone
Concen: 72.282 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 490861
Ion Ratio Lower Upper
43 100
58 58.8 47.0 70.6
57 20.6 16.5 24.7
100 13.6 10.9 16.3

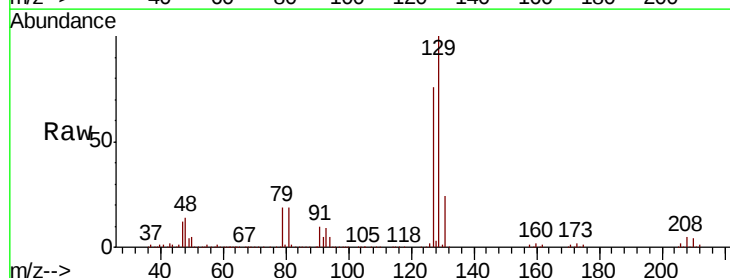


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

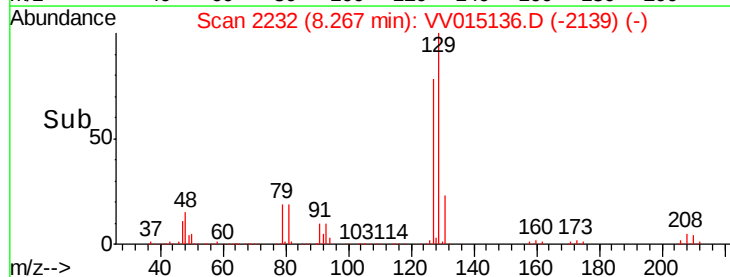
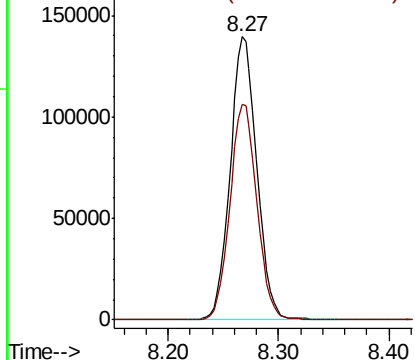


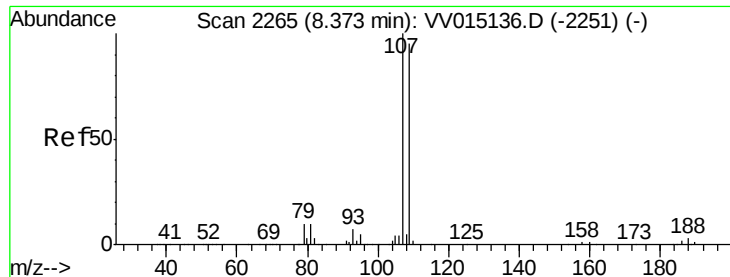
#49
Dibromochloromethane
Concen: 36.140 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Tgt Ion: 129 Resp: 232917
Ion Ratio Lower Upper
129 100
127 76.3 53.4 99.2



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

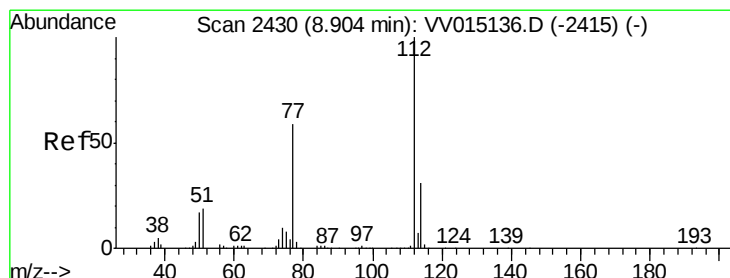
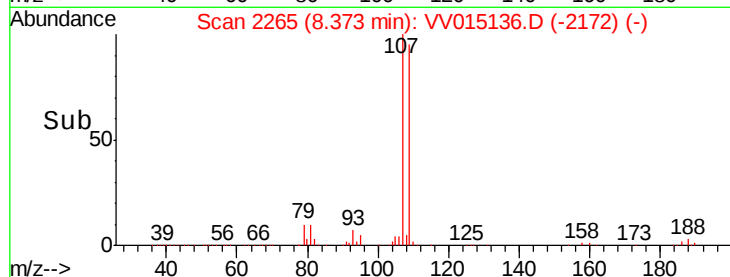
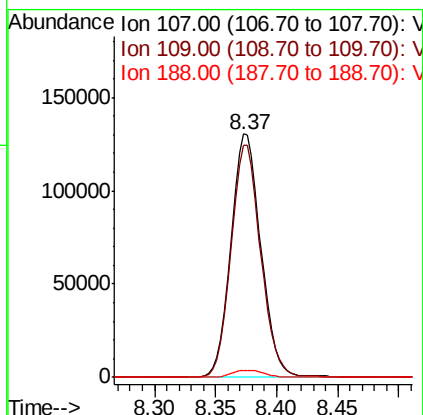
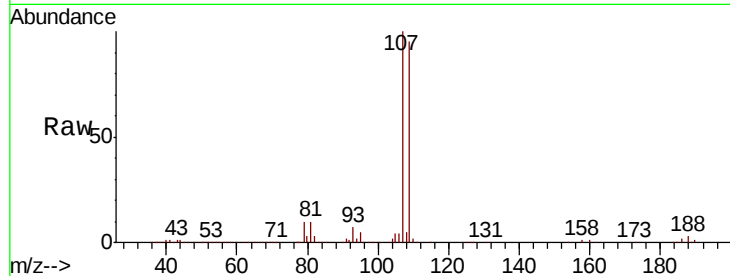




#50
1,2-Dibromoethane
Concen: 36.044 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

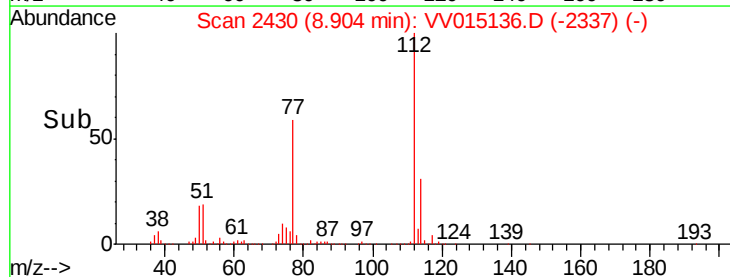
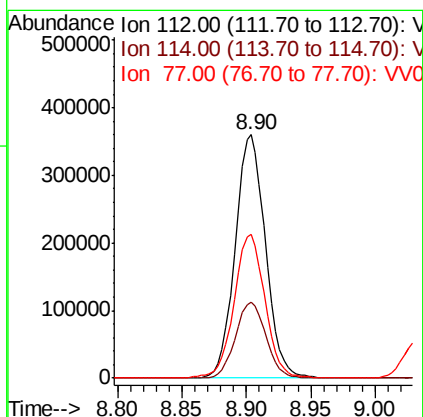
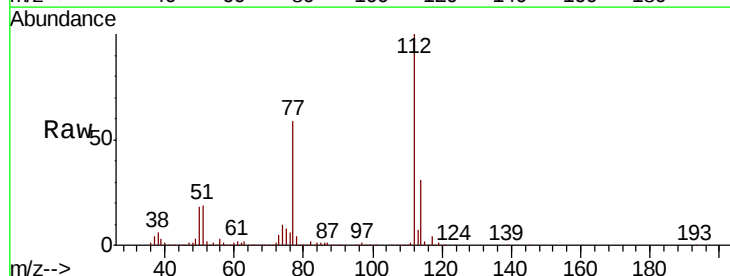
Instrument :
MSVOA_V
ClientSampleId :

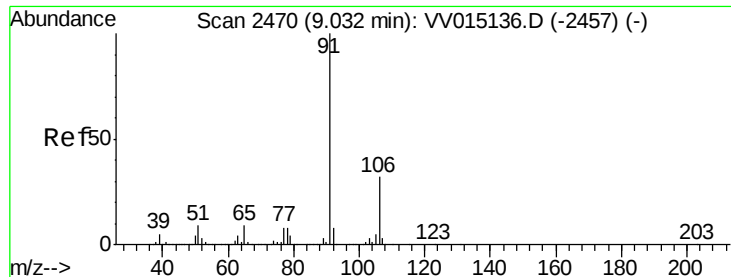
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.6	123.6
188	3.1	2.5	3.7



#51
Chlorobenzene
Concen: 43.211 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015136.D
Acq: 25 Mar 2020 11:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	40.8
77	59.0	47.2	70.8





#52

Ethylbenzene

Concen: 47.977 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

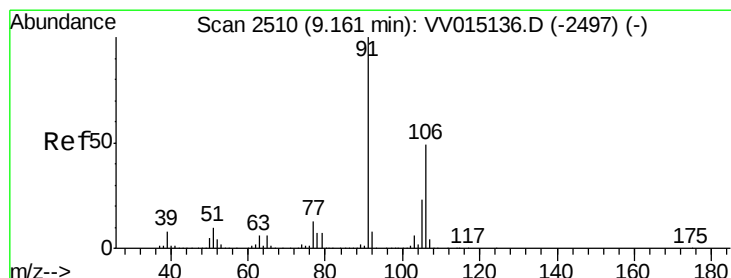
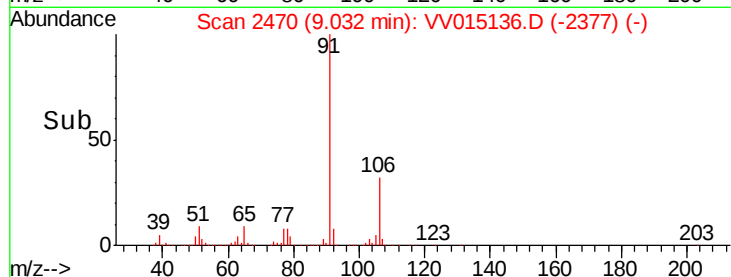
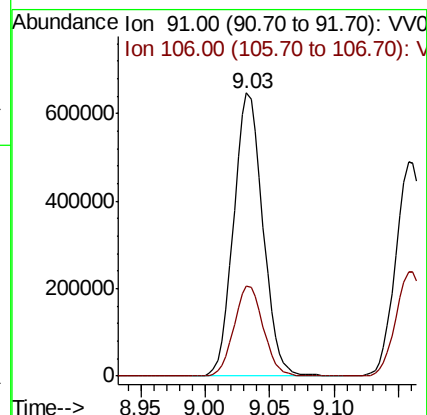
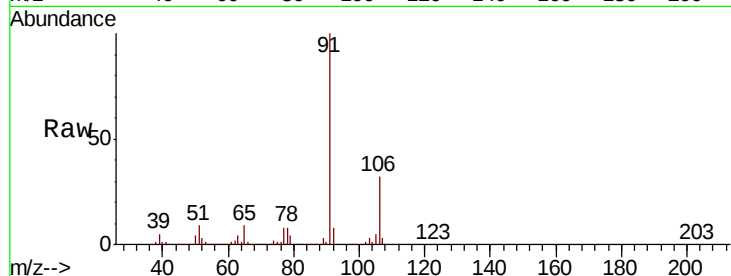
ClientSampleId :

Tot Ion: 91 Resp: 1016097

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-Xylene

Concen: 47.596 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015136.D

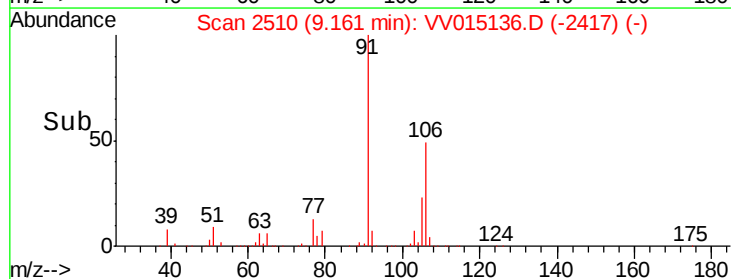
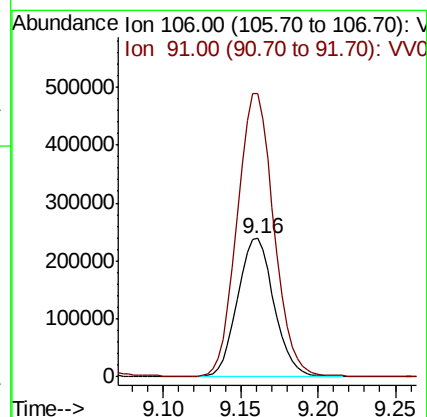
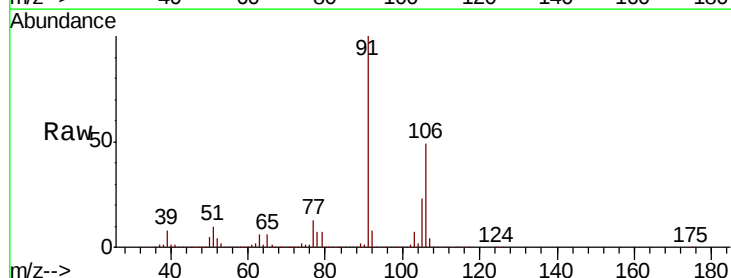
Acq: 25 Mar 2020 11:45

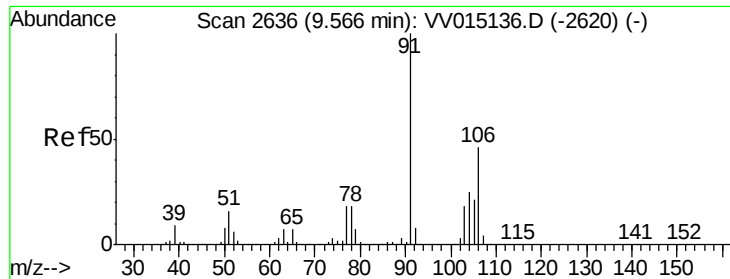
Tgt Ion: 106 Resp: 389471

Ion Ratio Lower Upper

106 100

91 204.7 143.3 266.1





#54

o-xylene

Concen: 45.751 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

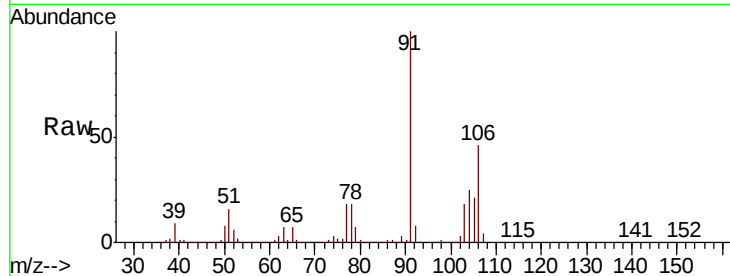
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 393916

Ion Ratio Lower Upper

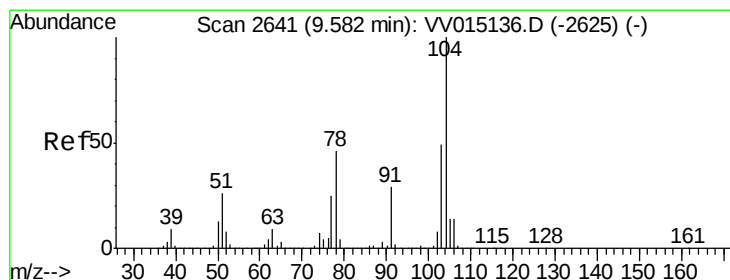
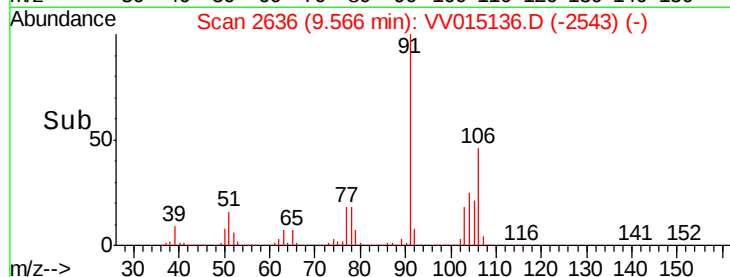
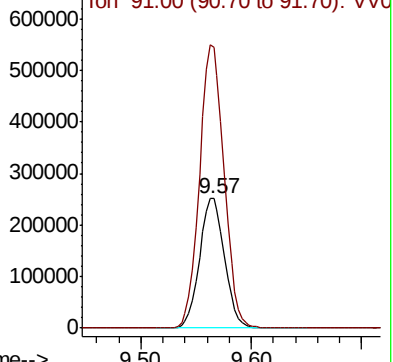
106 100

91 216.5 151.5 281.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 44.310 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015136.D

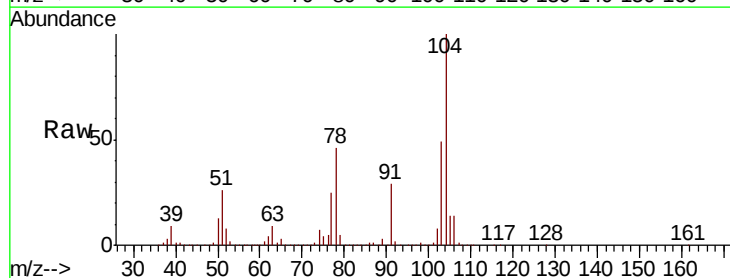
Acq: 25 Mar 2020 11:45

Tgt Ion:104 Resp: 670886

Ion Ratio Lower Upper

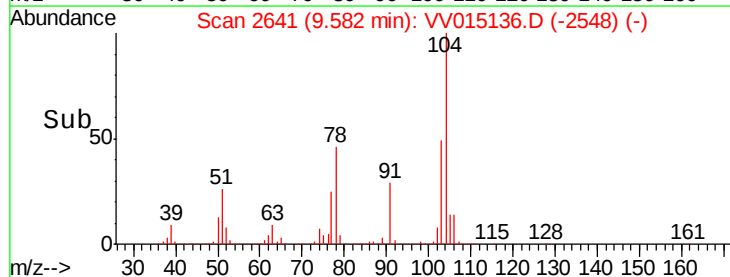
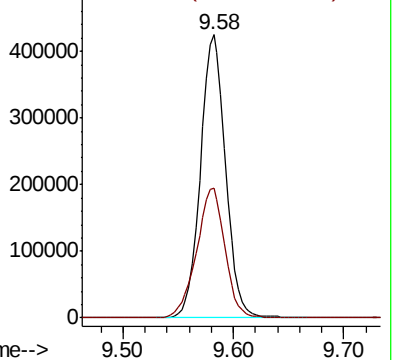
104 100

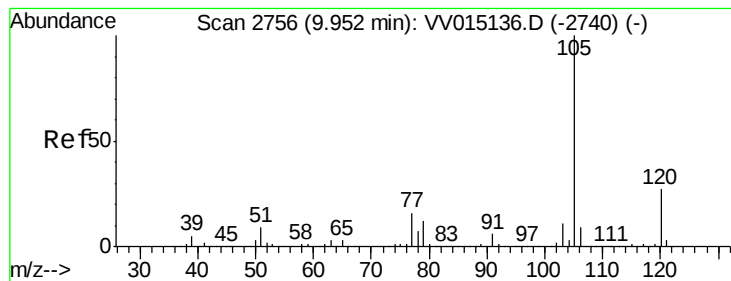
78 45.7 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.802 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :
MSVOA_V
ClientSampleId :

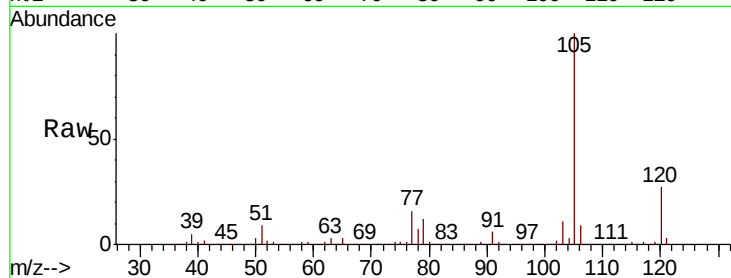
Tot Ion:105 Resp: 1013805

Ion Ratio Lower Upper

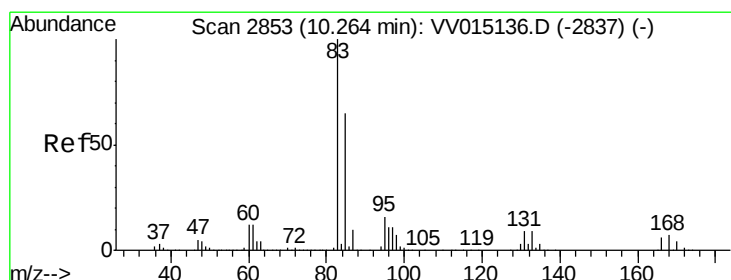
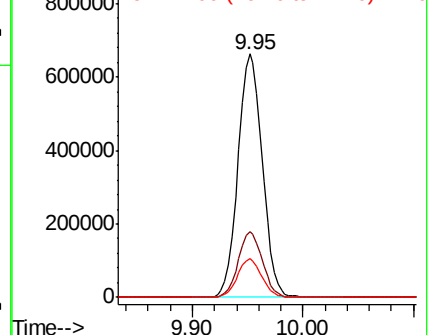
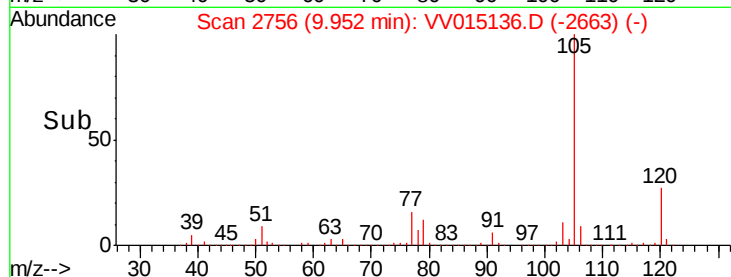
105 100

120 26.8 21.4 32.2

77 15.6 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: 35.353 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

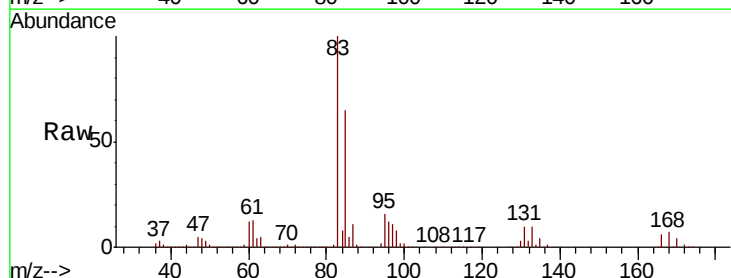
Tgt Ion: 83 Resp: 336330

Ion Ratio Lower Upper

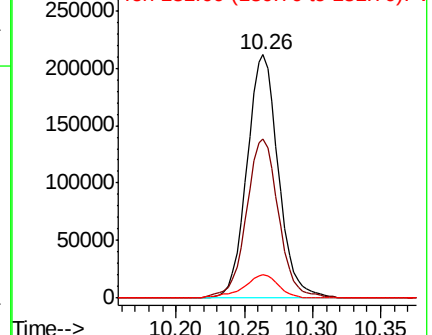
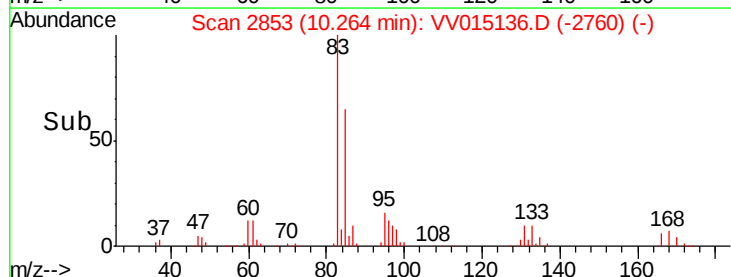
83 100

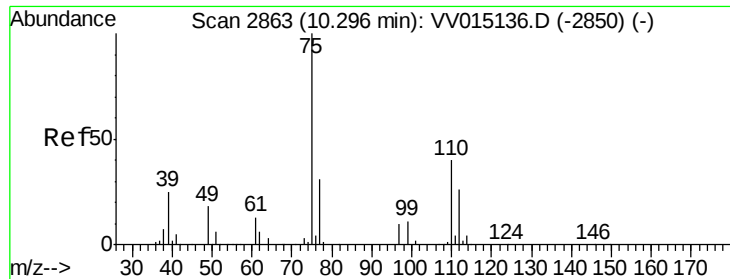
85 65.5 45.8 85.2

131 9.6 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: 35.149 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

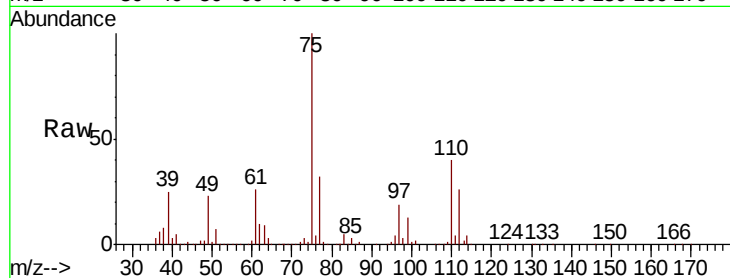
ClientSampleId :

Tot Ion: 75 Resp: 270132

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.30

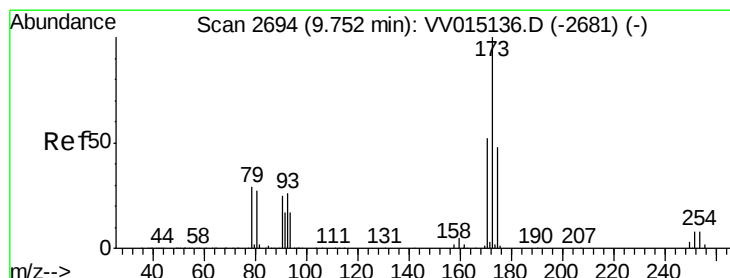
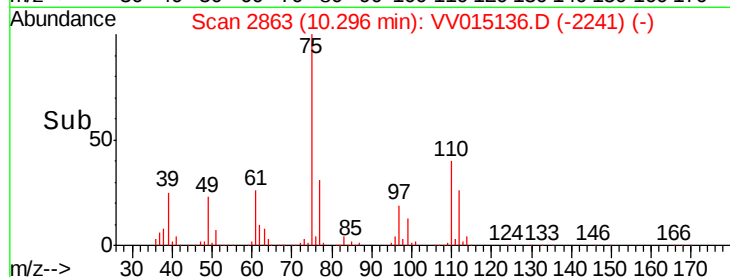
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 32.592 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

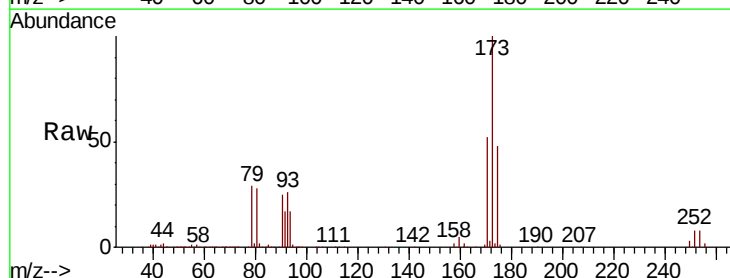
Tgt Ion: 173 Resp: 158994

Ion Ratio Lower Upper

173 100

175 47.3 37.8 56.8

254 7.6 6.1 9.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

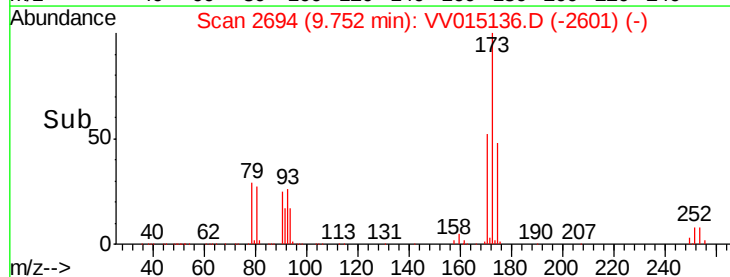
9.75

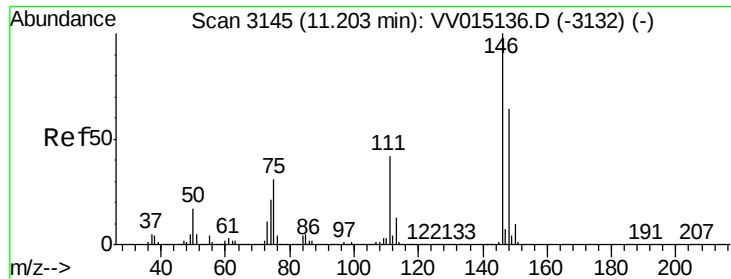
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 42.707 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

ClientSampleId :

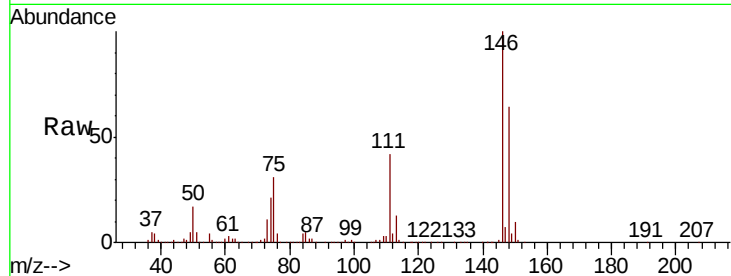
Tot Ion:146 Resp: 436807

Ion Ratio Lower Upper

146 100

111 41.9 29.3 54.5

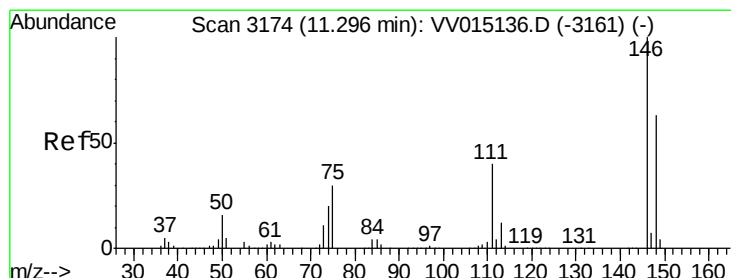
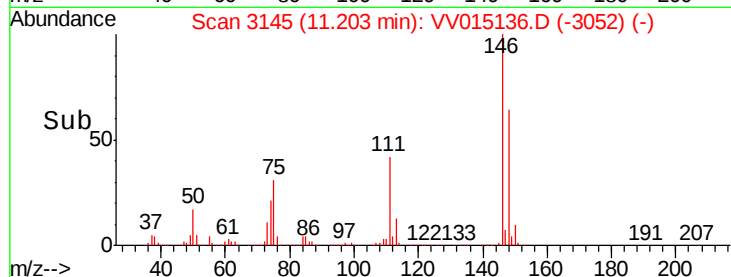
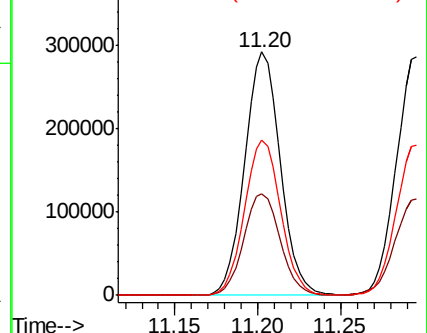
148 63.8 44.7 82.9



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: 42.711 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

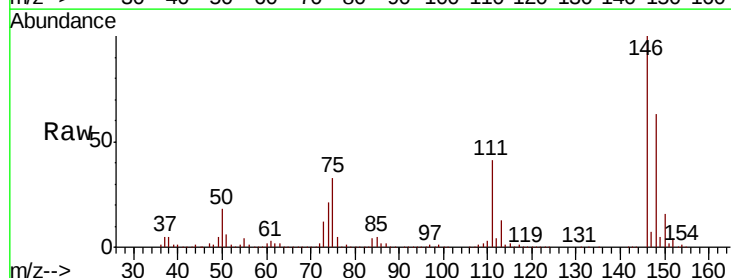
Tgt Ion:146 Resp: 444043

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

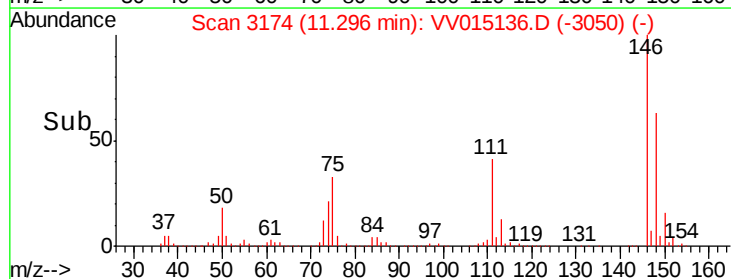
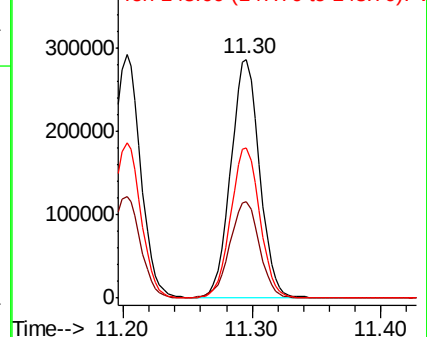
148 62.9 44.0 81.8

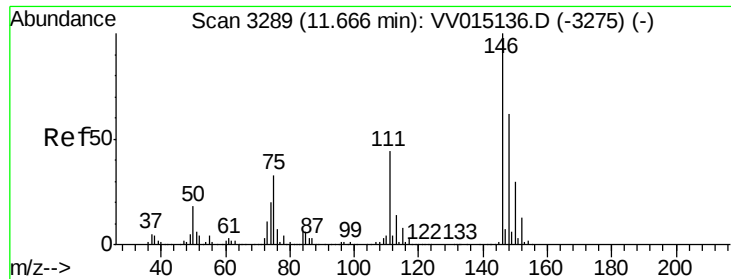


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 40.386 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Instrument :

MSVOA_V

ClientSampleId :

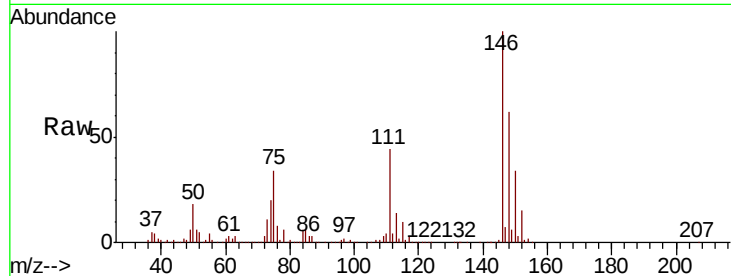
Tot Ion:146 Resp: 448620

Ion Ratio Lower Upper

146 100

111 44.3 35.4 53.2

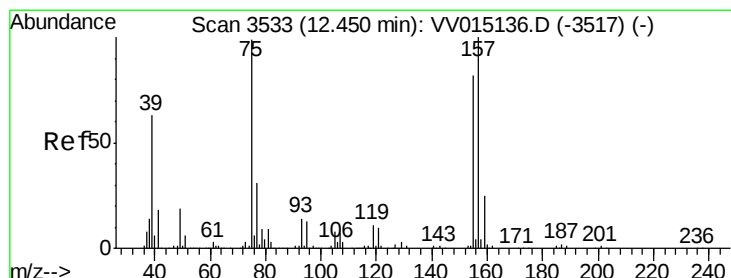
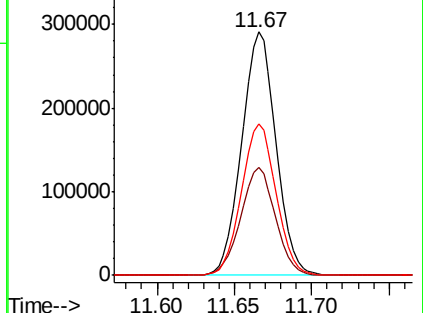
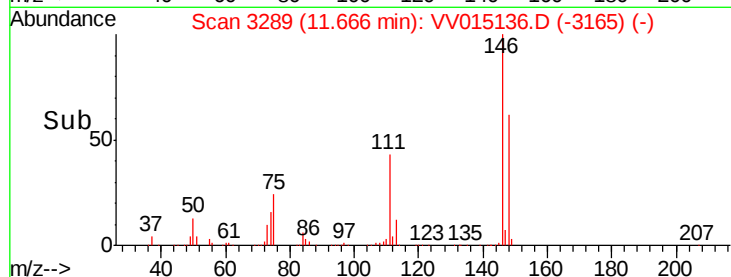
148 62.1 49.7 74.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 32.092 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

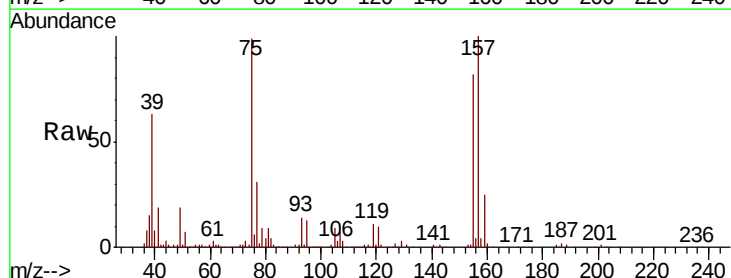
Tgt Ion: 75 Resp: 91162

Ion Ratio Lower Upper

75 100

155 82.8 66.2 99.4

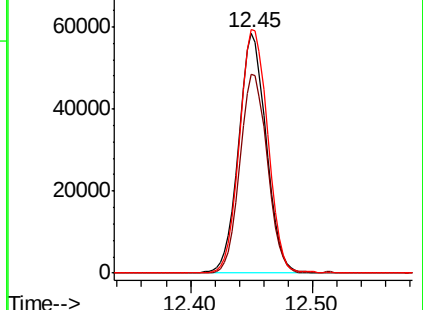
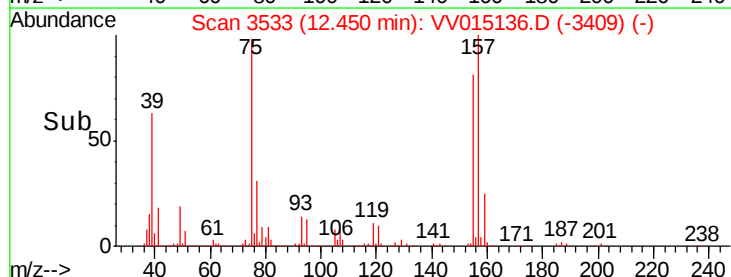
157 101.4 81.1 121.7

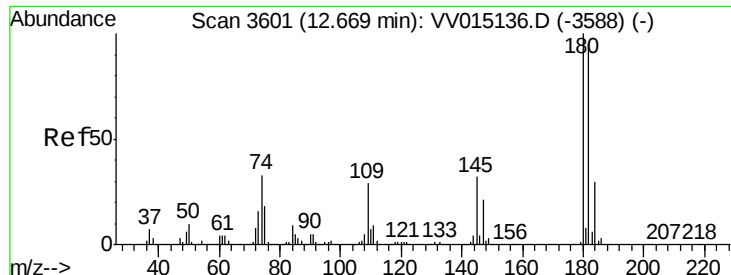


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

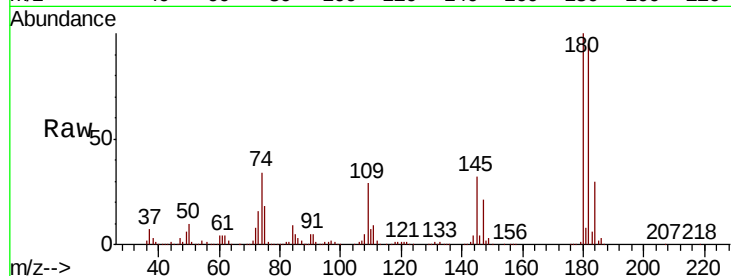




#67
 1,3,5-Trichlorobenzene
 Concen: 45.123 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015136.D
 Acq: 25 Mar 2020 11:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.5	24.4	36.6
145	33.4	26.7	40.1



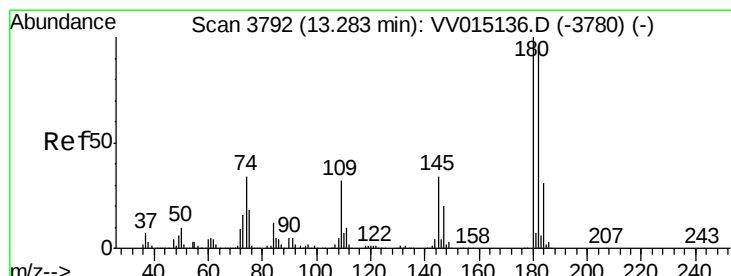
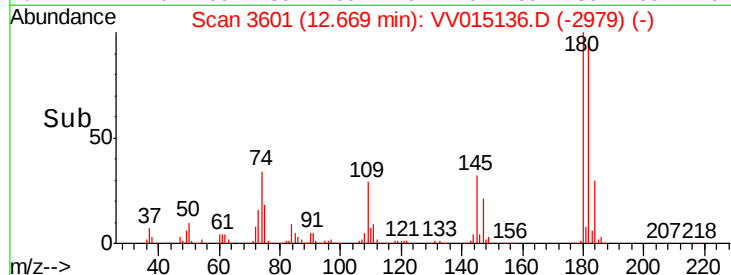
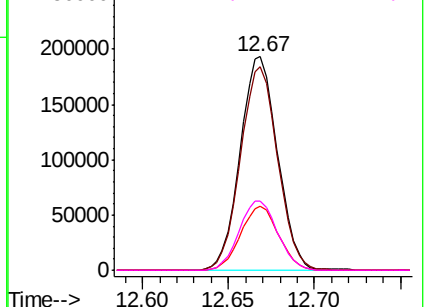
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

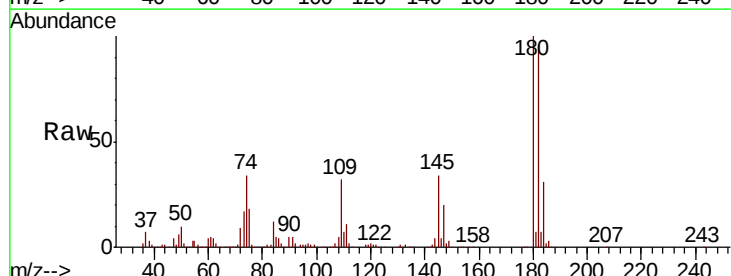
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 42.067 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015136.D
 Acq: 25 Mar 2020 11:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	33.3	26.6	40.0

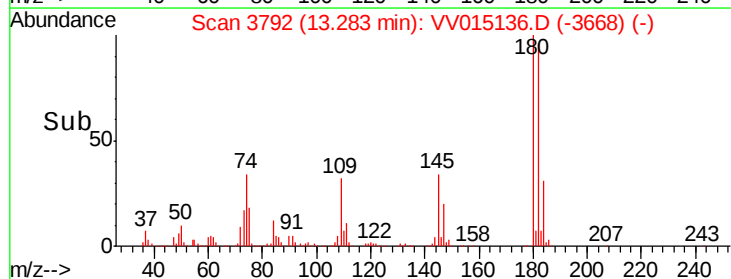
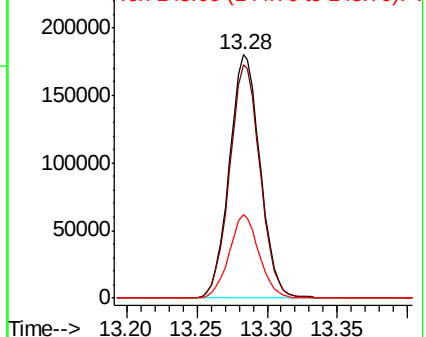


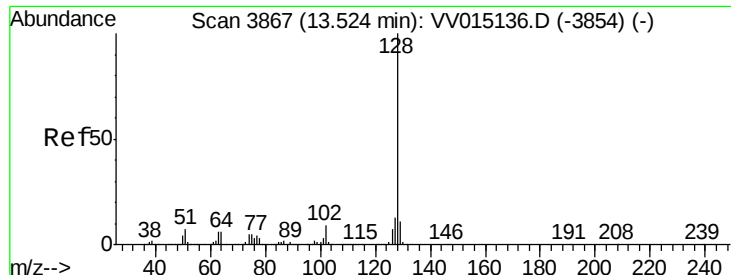
Abundance

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: 36.782 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

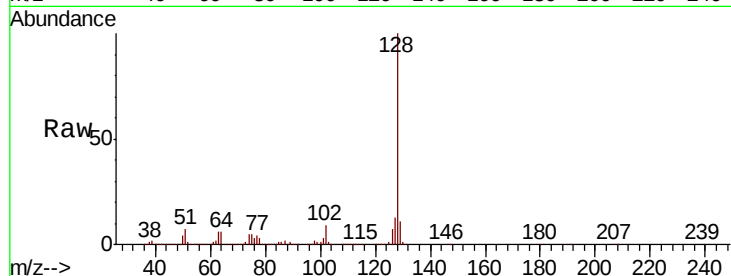
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1070131

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

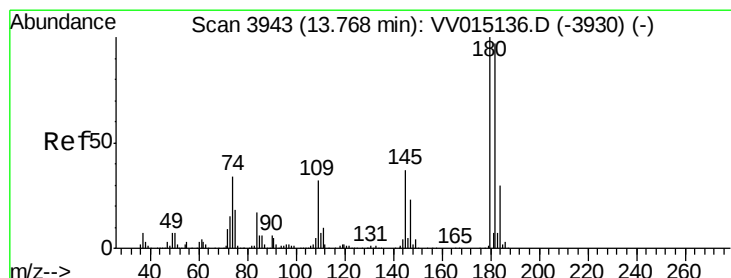
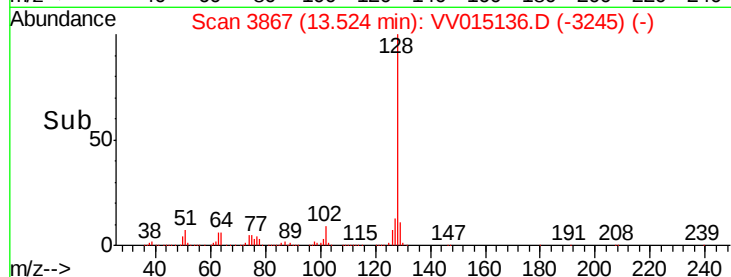
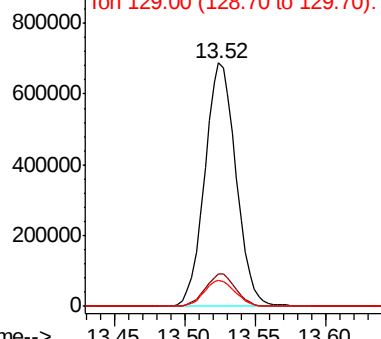


Abundance

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: 40.688 ug/L

RT: 13.77 min Scan# 3943

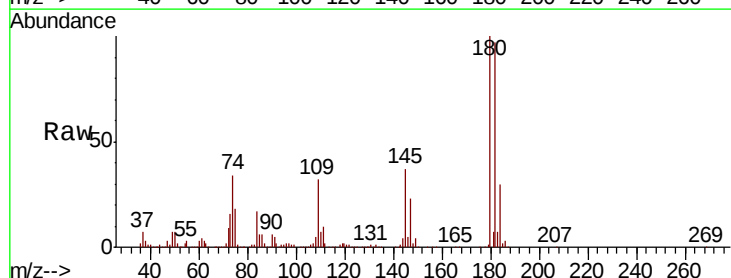
Delta R.T. 0.00 min

Lab File: VV015136.D

Acq: 25 Mar 2020 11:45

Tgt Ion:180 Resp: 278442

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	37.0	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

