

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015270.D
 Acq On : 30 Mar 2020 13:37
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV02

Quant Time: Mar 31 02:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 14:04:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	694638	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	683488	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	323111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	233801	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.32%
7) Chloroethane-d5	1.58	69	223840	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.98%
11) 1,1-Dichloroethene-d2	2.12	63	498687	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.32%
21) 2-Butanone-d5	3.93	46	307448	92.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.82%
24) Chloroform-d	4.37	84	423297	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
26) 1,2-Dichloroethane-d4	5.05	65	276546	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
32) Benzene-d6	5.07	84	823526	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
36) 1,2-Dichloropropane-d6	6.09	67	254204	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.12%
41) Toluene-d8	7.33	98	793752	45.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.96%
43) trans-1,3-Dichloropropene-	7.64	79	141607	46.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.22%
47) 2-Hexanone-d5	8.11	63	234998	89.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	384486	46.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	288379	44.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	205841	42.121	ug/L 99
3) Chloromethane	1.25	50	260580	46.954	ug/L 99
5) Vinyl chloride	1.32	62	269040	45.952	ug/L 99
6) Bromomethane	1.53	94	186972	47.738	ug/L 93
8) Chloroethane	1.60	64	183947	45.561	ug/L 98
9) Trichlorofluoromethane	1.76	101	418574	42.294	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	221833	41.801	ug/L 99
12) 1,1-Dichloroethene	2.13	96	230870	44.938	ug/L 97
13) Acetone	2.22	43	191527	84.738	ug/L 95
14) Carbon disulfide	2.30	76	555212	44.410	ug/L 100
15) Methyl Acetate	2.46	43	217585	47.942	ug/L 100
16) Methylene chloride	2.52	84	226630	47.151	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	199456	46.330	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	726510	49.563	ug/L 100
19) 1,1-Dichloroethane	3.21	63	380371	47.389	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	230500	47.629	ug/L # 100
23) Bromochloromethane	4.27	128	113649	47.705	ug/L 97

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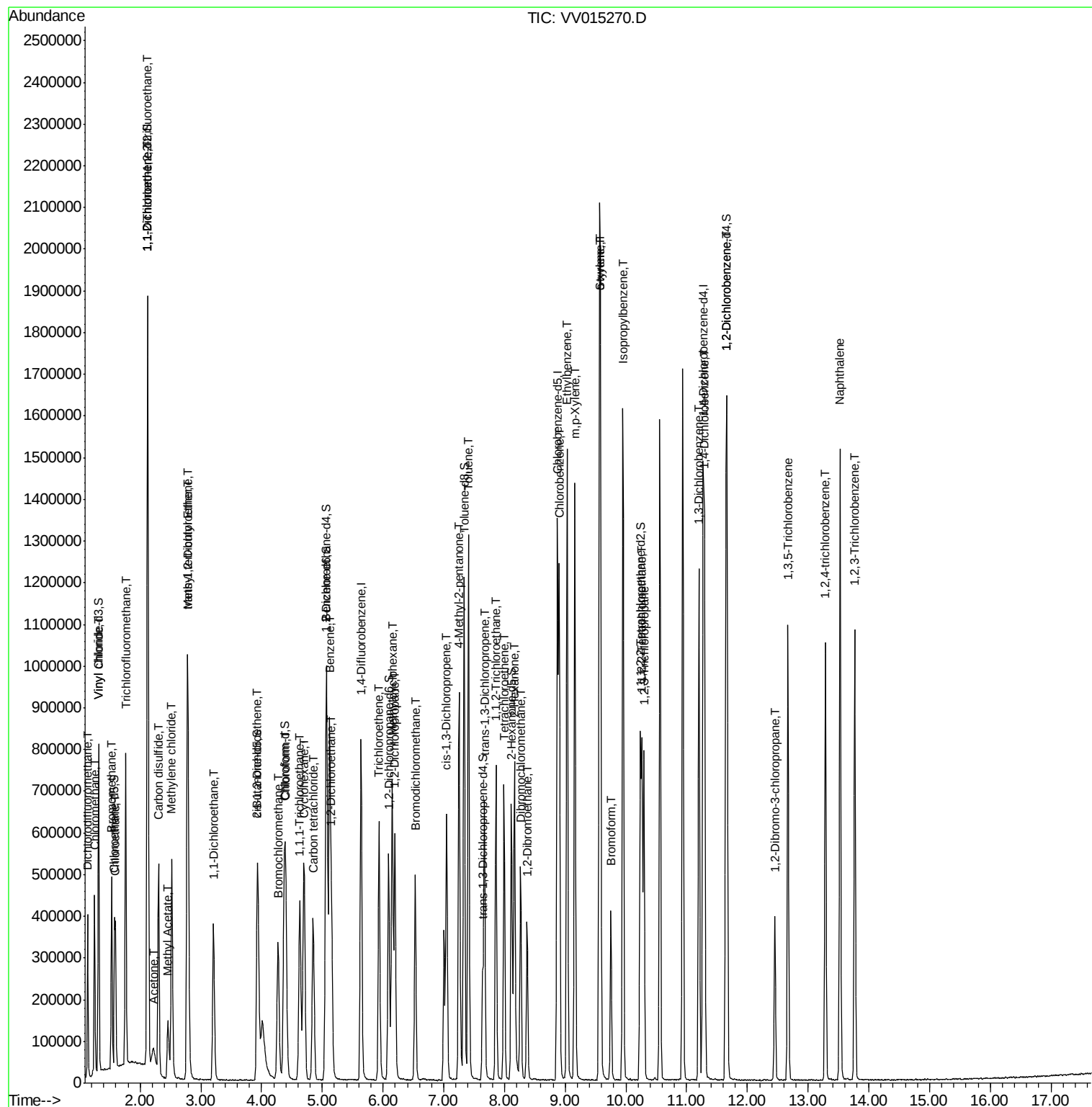
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	408559	47.673	ug/L	98
27) 1,2-Dichloroethane	5.15	62	326823	47.948	ug/L	100
29) Cyclohexane	4.70	56	295461	40.753	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	354538	45.749	ug/L	100
31) Carbon tetrachloride	4.85	117	285231	43.447	ug/L	100
33) Benzene	5.12	78	852066	47.091	ug/L	100
34) Trichloroethene	5.94	95	221061	45.542	ug/L	98
35) Methylcyclohexane	6.15	83	314884	41.359	ug/L	99
37) 1,2-Dichloropropane	6.20	63	219616	47.718	ug/L	99
38) Bromodichloromethane	6.53	83	319867	48.330	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	371118	47.747	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	660386	96.504	ug/L	98
42) Toluene	7.41	91	944713	46.510	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	365814	47.899	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	227707	49.112	ug/L	98
46) Tetrachloroethene	7.99	164	138152	43.012	ug/L	95
48) 2-Hexanone	8.16	43	501212	95.476	ug/L	99
49) Dibromochloromethane	8.27	129	246670	48.679	ug/L	98
50) 1,2-Dibromoethane	8.37	107	243123	48.261	ug/L	98
51) Chlorobenzene	8.90	112	617781	46.732	ug/L	99
52) Ethylbenzene	9.03	91	1048659	45.782	ug/L	98
53) m,p-Xylene	9.16	106	404167	46.261	ug/L	100
54) o-xylene	9.56	106	405724	46.682	ug/L	97
55) Styrene	9.58	104	701631	47.308	ug/L	99
56) Isopropylbenzene	9.95	105	1016566	44.433	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	370689	48.174	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	301570	47.359	ug/L	96
61) Bromoform	9.75	173	160409	49.780	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	451166	45.784	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	452070	44.945	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	463441	46.604	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	101179	46.244	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	285332	45.367	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	276057	46.195	ug/L	99
69) Naphthalene	13.53	128	1121174	47.066	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	279357	46.579	ug/L	100

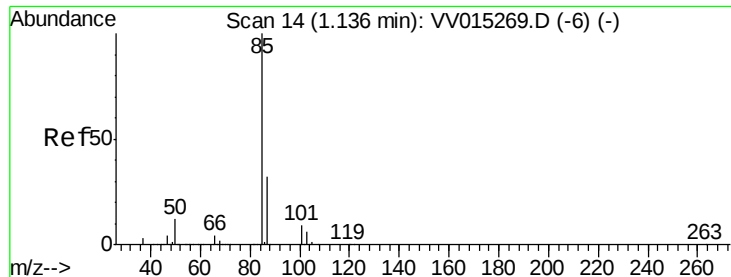
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.121 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

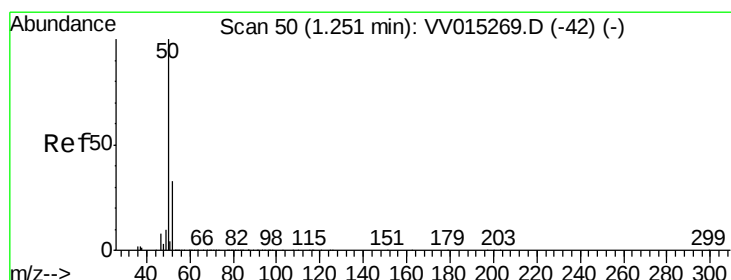
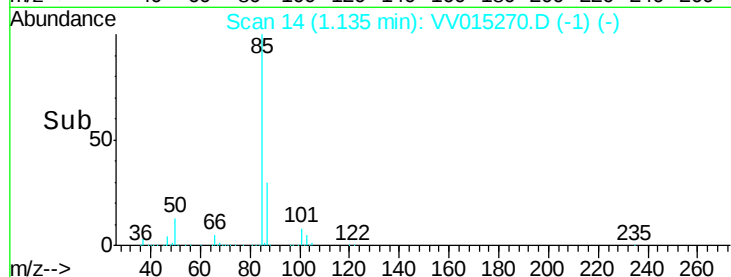
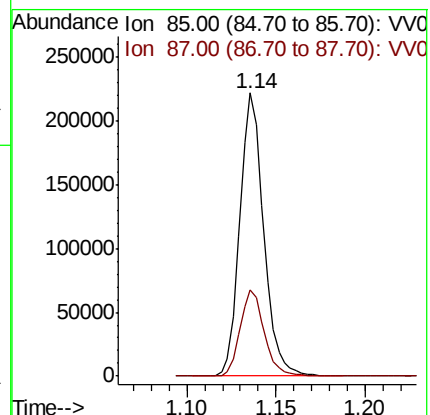
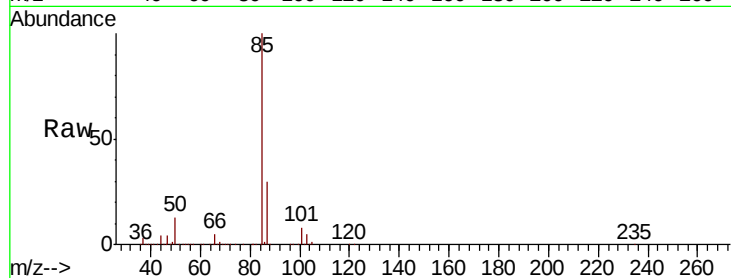
VICV02

Tot Ion: 85 Resp: 205841

Ion Ratio Lower Upper

85 100

87 30.8 25.1 37.7



#3

Chloromethane

Concen: 46.954 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015270.D

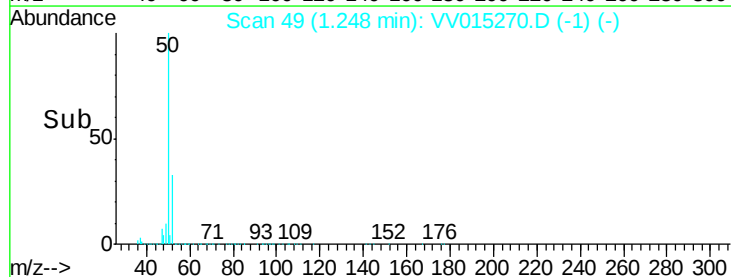
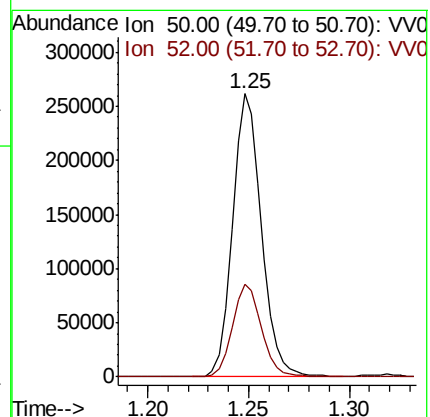
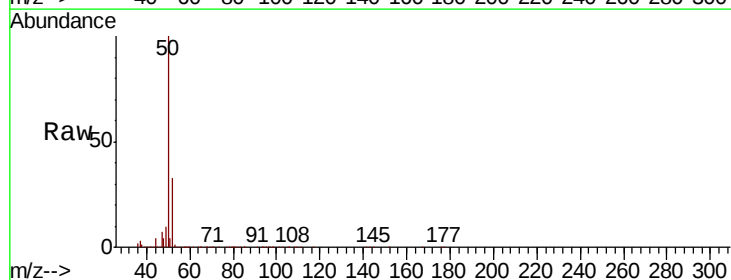
Acq: 30 Mar 2020 13:37

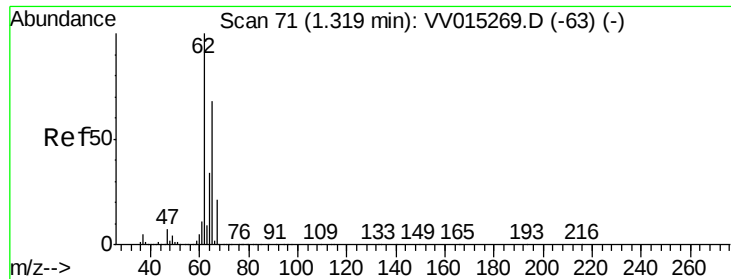
Tgt Ion: 50 Resp: 260580

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.3





#5

Vinyl chloride

Concen: 45.952 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

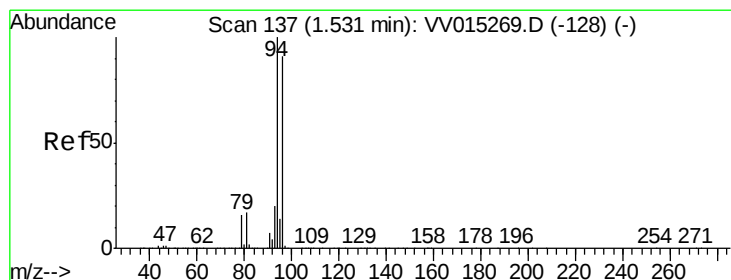
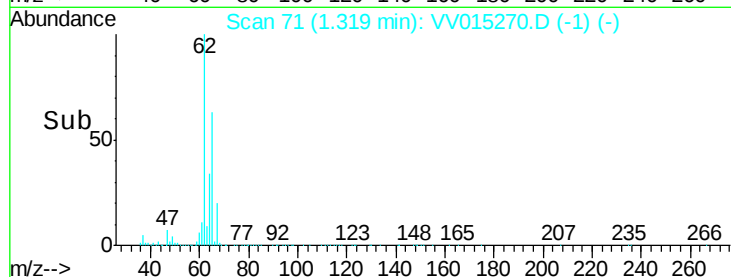
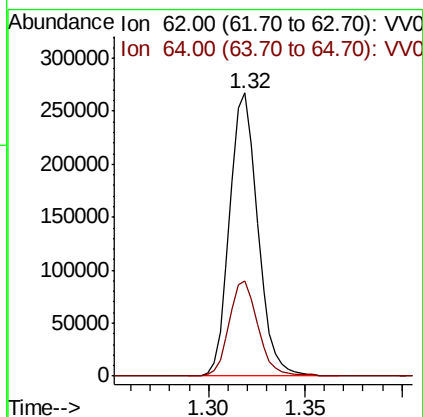
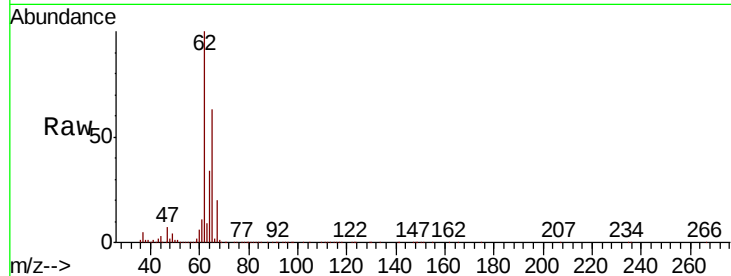
VICV02

Tot Ion: 62 Resp: 269040

Ion Ratio Lower Upper

62 100

64 33.6 23.9 44.3



#6

Bromomethane

Concen: 47.738 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015270.D

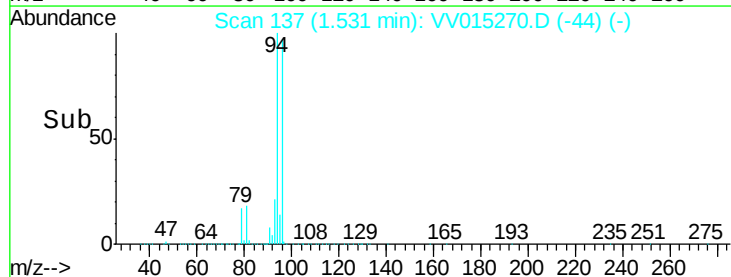
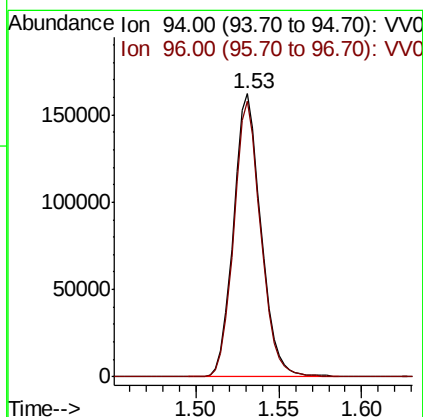
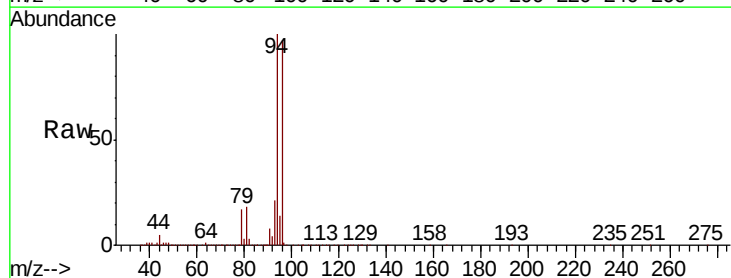
Acq: 30 Mar 2020 13:37

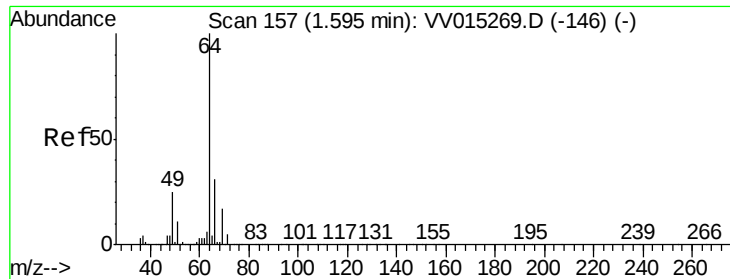
Tgt Ion: 94 Resp: 186972

Ion Ratio Lower Upper

94 100

96 97.3 63.7 118.3





#8

Chloroethane

Concen: 45.561 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

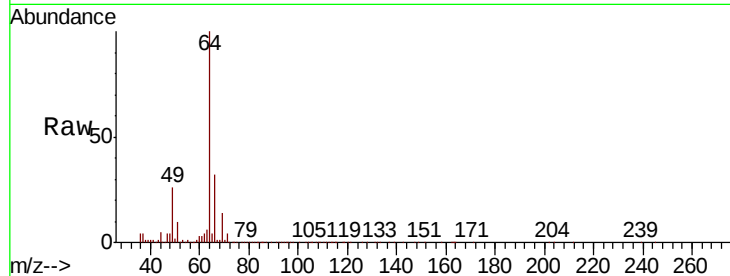
VICV02

Tot Ion: 64 Resp: 183947

Ion Ratio Lower Upper

64 100

66 31.5 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VV015270.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV015270.D (-146) (-)

1.60

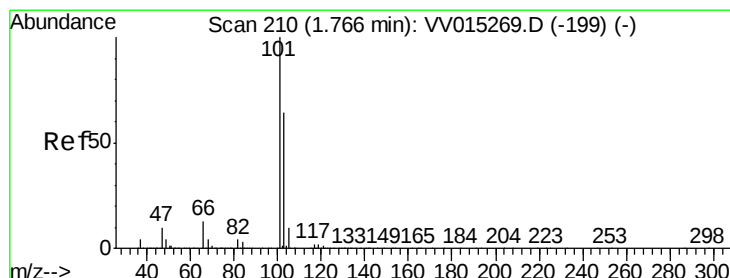
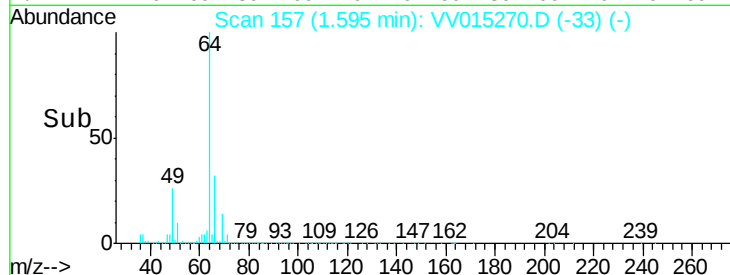
150000

100000

50000

0

Time--> 1.50 1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 42.294 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015270.D

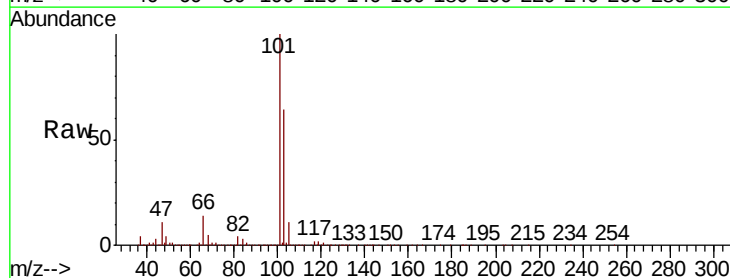
Acq: 30 Mar 2020 13:37

Tgt Ion: 101 Resp: 418574

Ion Ratio Lower Upper

101 100

103 63.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV015270.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015270.D (-199) (-)

1.76

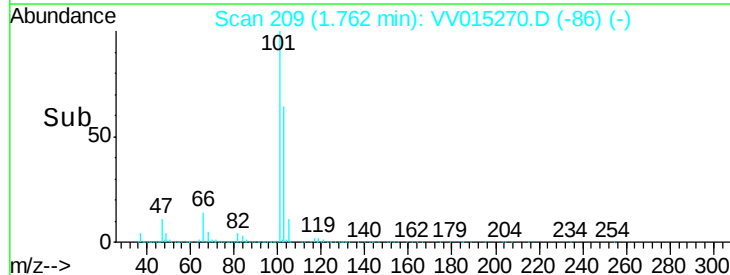
300000

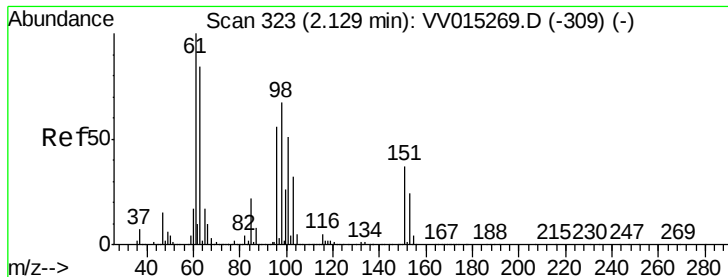
200000

100000

0

Time--> 1.70 1.75 1.80 1.85





#10

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

Concen: 41.801 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VICV02

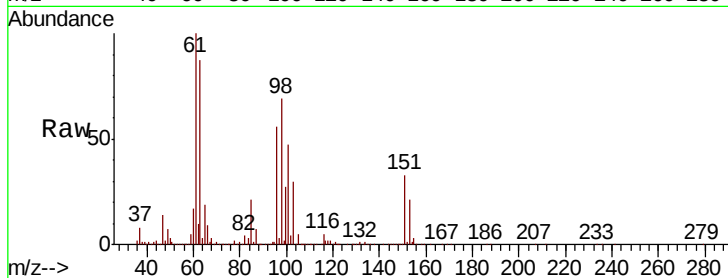
Tot Ion:101 Resp: 221833

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.6

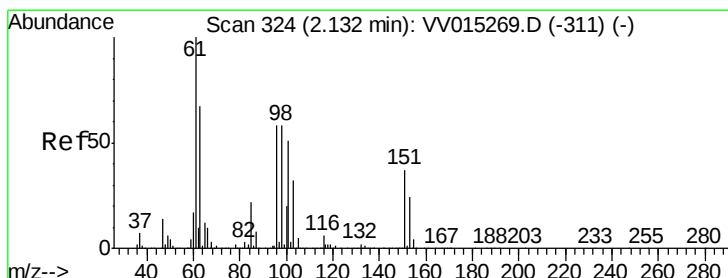
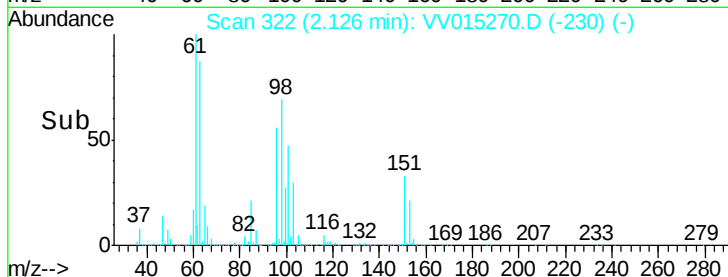
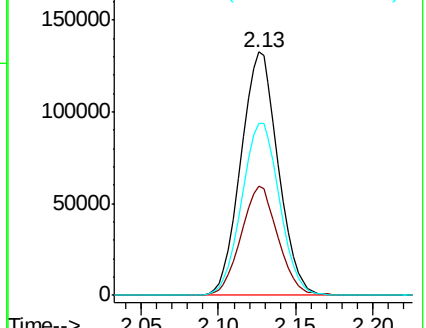
151 72.1 58.2 87.4



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: 44.938 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

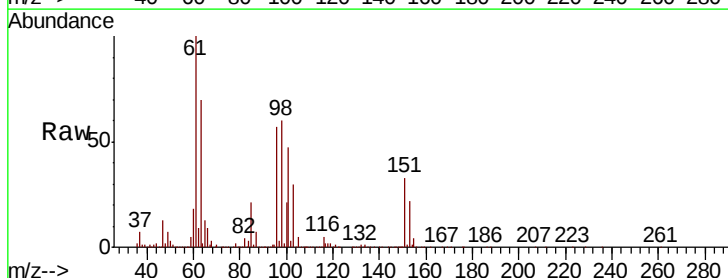
Tgt Ion: 96 Resp: 230870

Ion Ratio Lower Upper

96 100

61 174.4 120.9 224.5

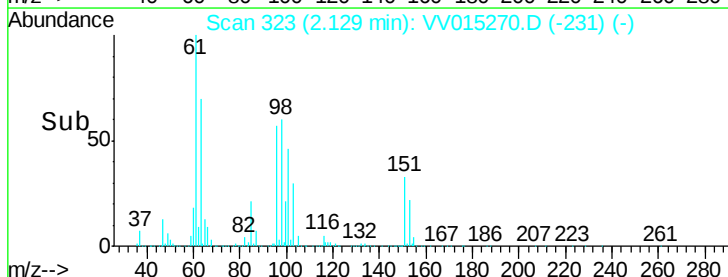
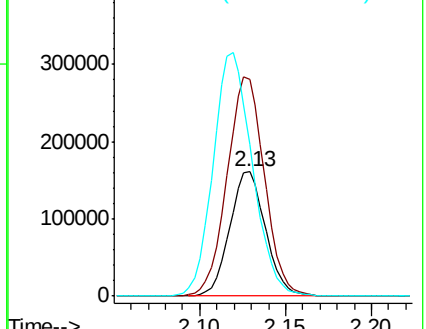
63 122.0 81.2 150.8

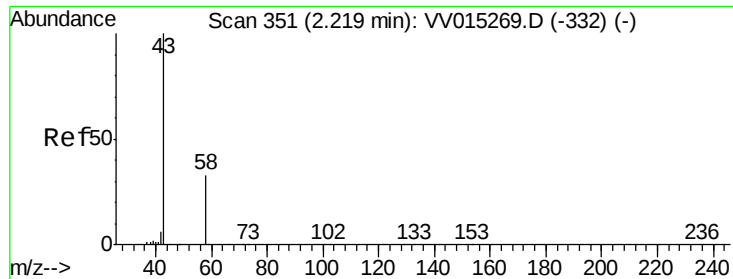


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 84.738 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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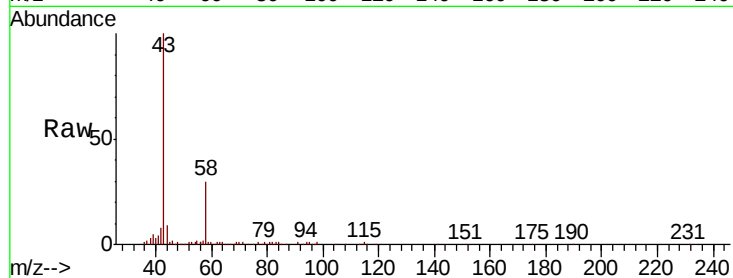
VICV02

Tot Ion: 43 Resp: 191527

Ion Ratio Lower Upper

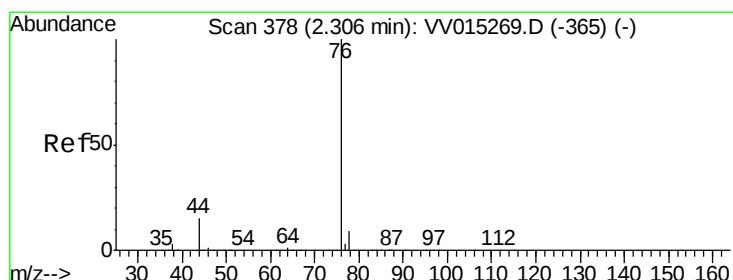
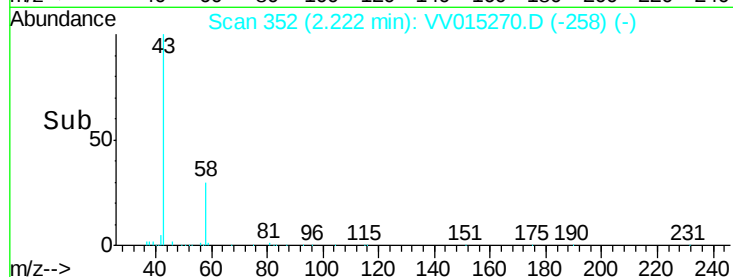
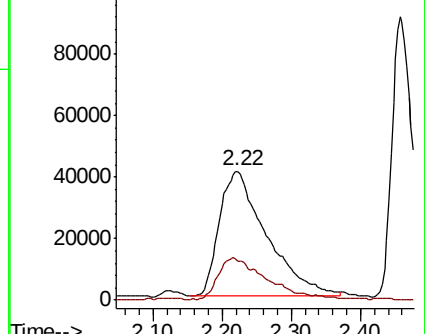
43 100

58 29.2 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 44.410 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015270.D

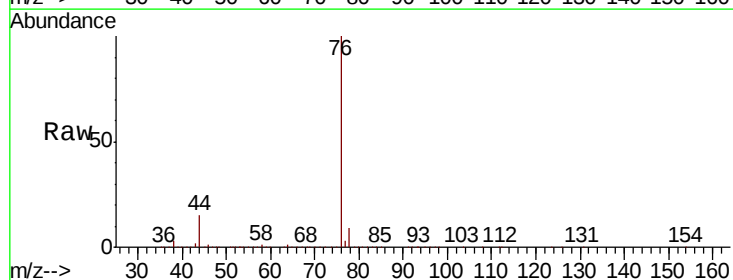
Acq: 30 Mar 2020 13:37

Tgt Ion: 76 Resp: 555212

Ion Ratio Lower Upper

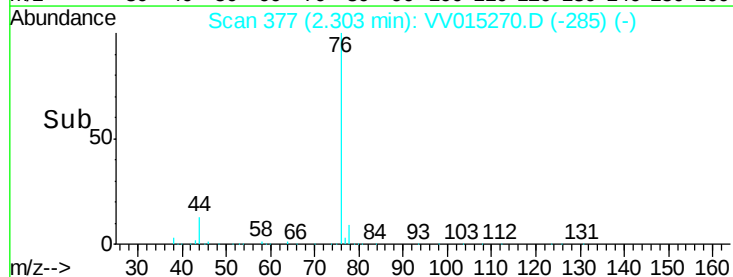
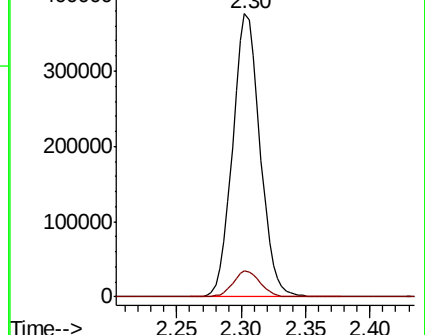
76 100

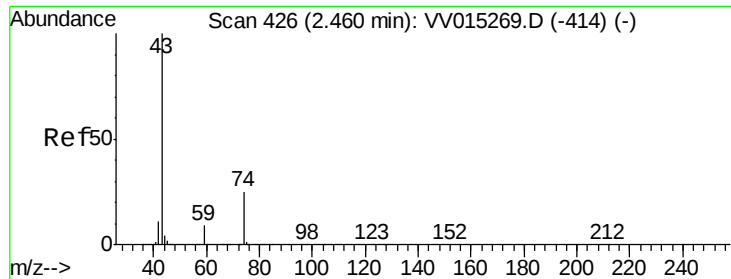
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 47.942 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

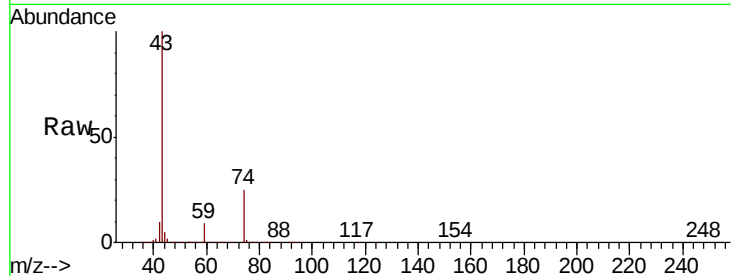
VICV02

Tot Ion: 43 Resp: 217585

Ion Ratio Lower Upper

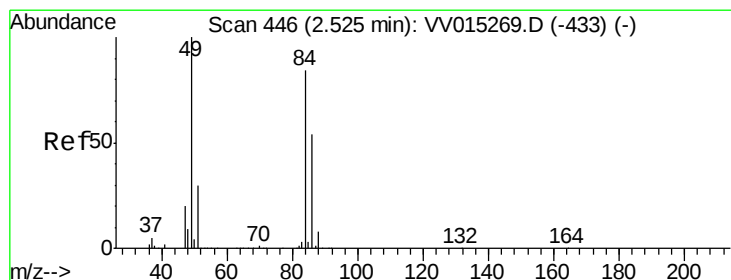
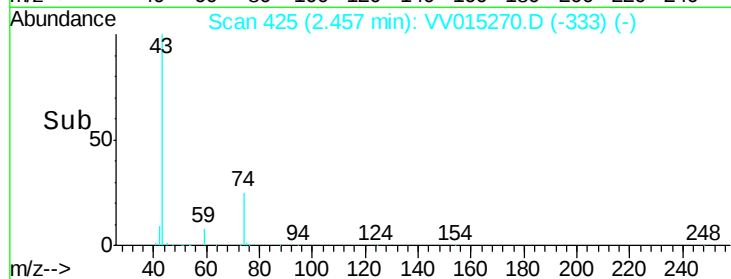
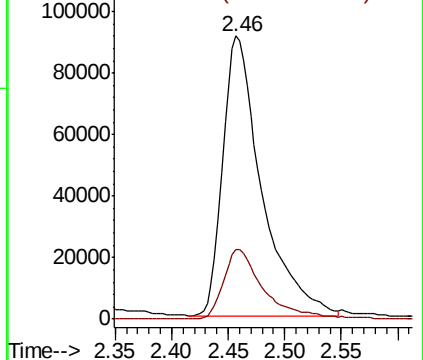
43 100

74 25.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.151 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

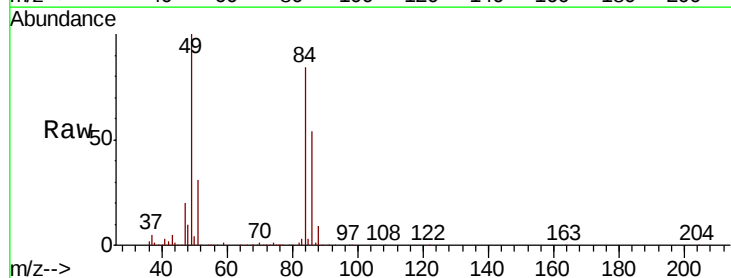
Tgt Ion: 84 Resp: 226630

Ion Ratio Lower Upper

84 100

86 64.0 45.5 84.5

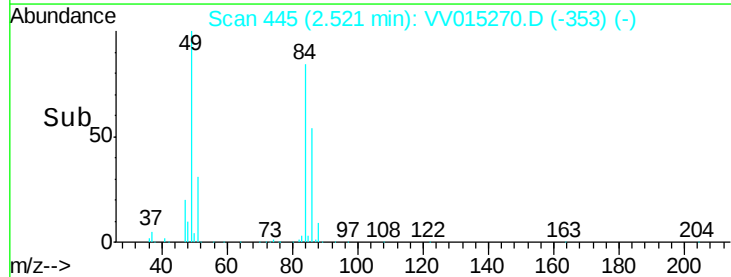
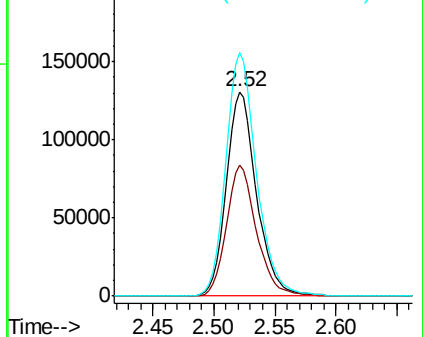
49 119.3 83.7 155.4

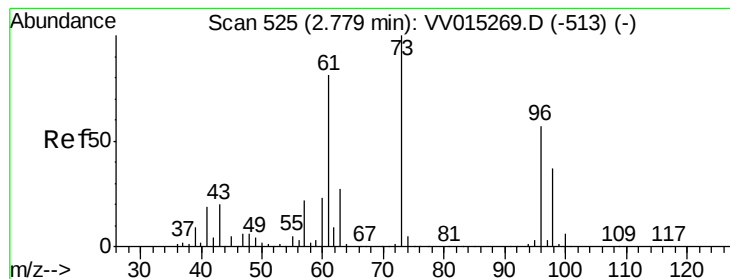


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 46.330 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

VICV02

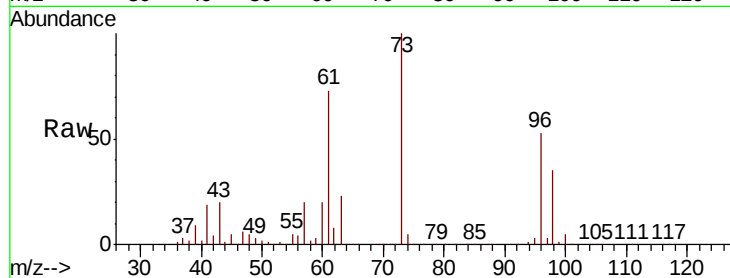
Tot Ion: 96 Resp: 199456

Ion Ratio Lower Upper

96 100

61 137.2 98.5 182.9

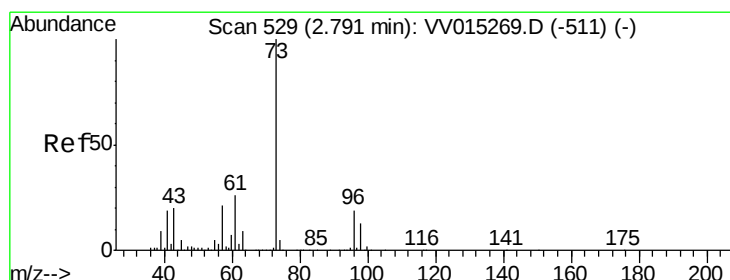
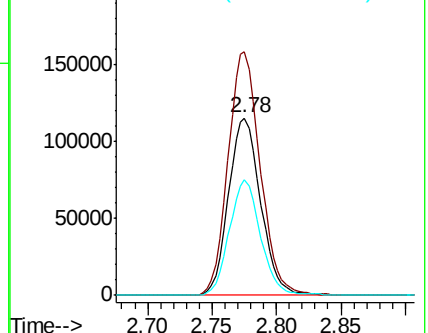
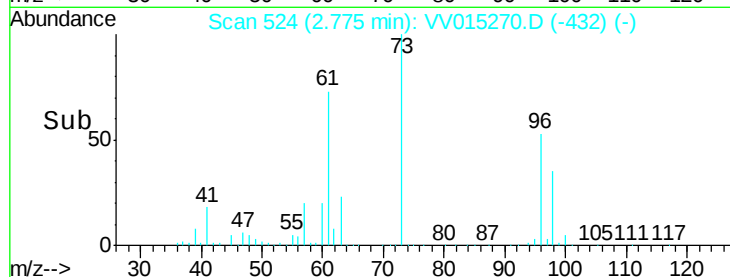
98 64.8 45.5 84.5



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: 49.563 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

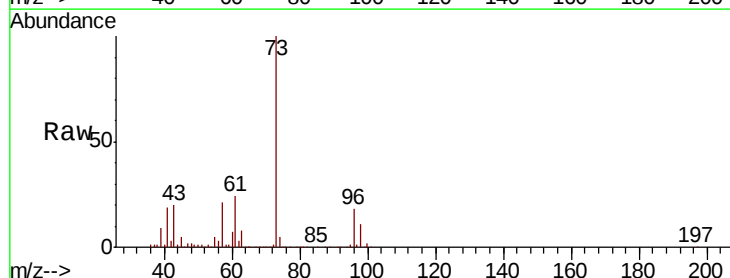
Tgt Ion: 73 Resp: 726510

Ion Ratio Lower Upper

73 100

43 19.7 15.7 23.5

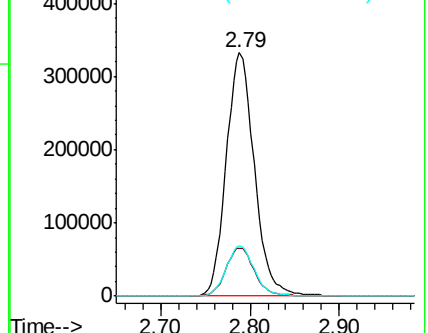
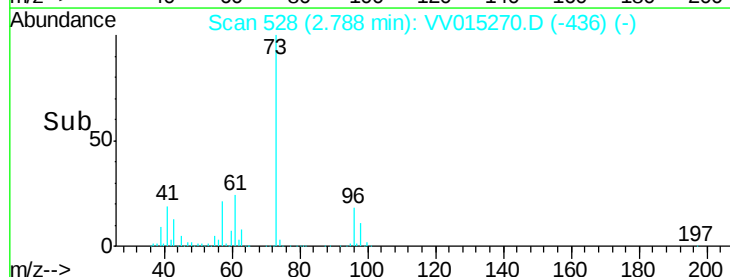
57 20.6 16.6 25.0

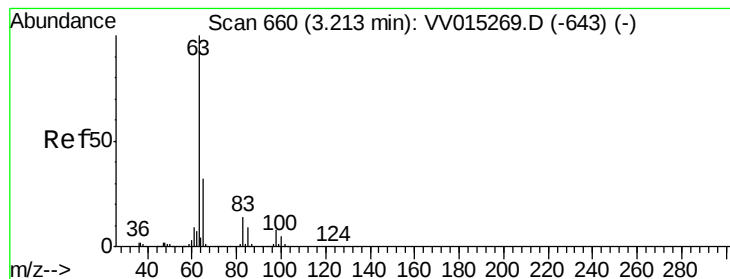


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.389 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

VICV02

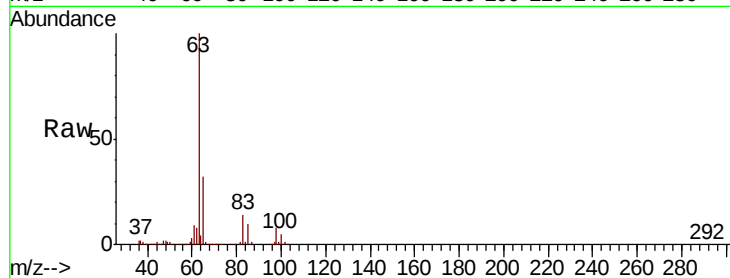
Tot Ion: 63 Resp: 380371

Ion Ratio Lower Upper

63 100

65 32.3 22.2 41.2

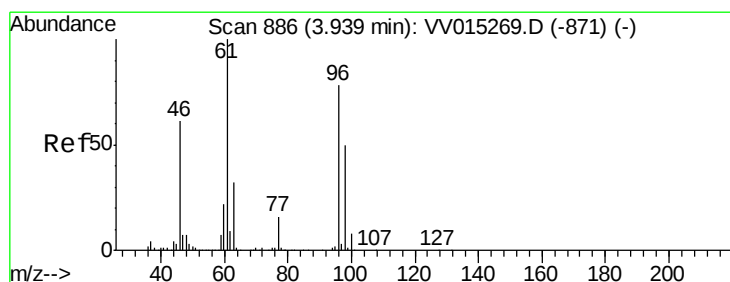
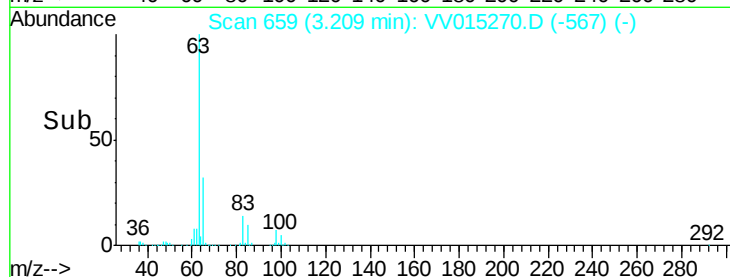
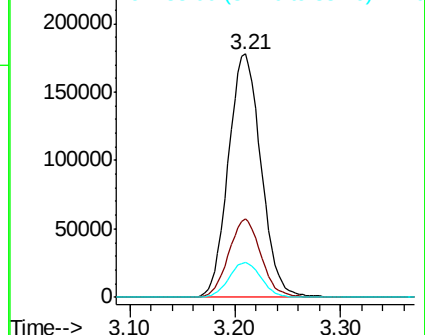
83 14.2 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV015270.D (-567) (-)

Ion 65.00 (64.70 to 65.70): VV015270.D (-567) (-)

Ion 83.00 (82.70 to 83.70): VV015270.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.629 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

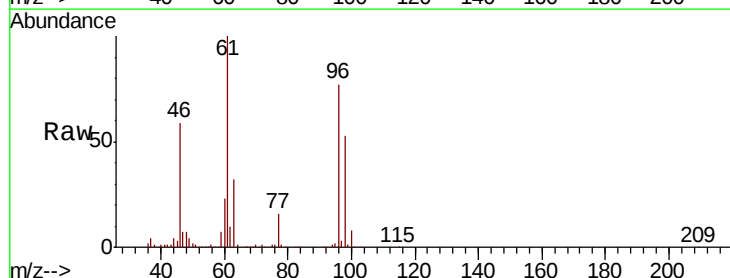
Tgt Ion: 96 Resp: 230500

Ion Ratio Lower Upper

96 100

61 129.3 90.2 167.6

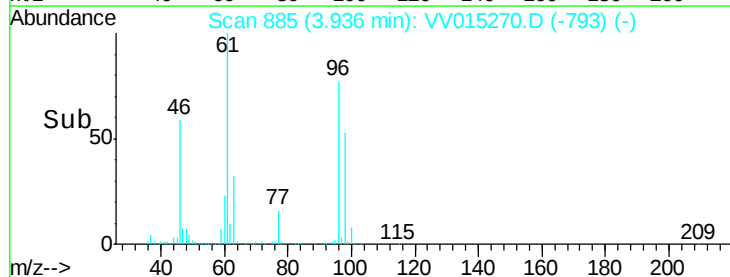
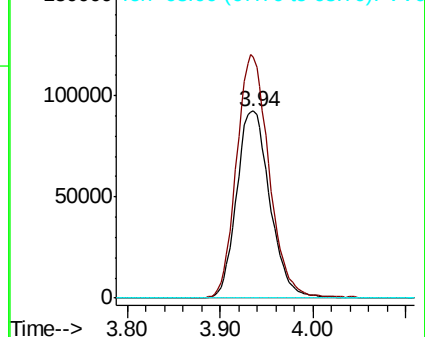
68 0.2 0.1 0.1#

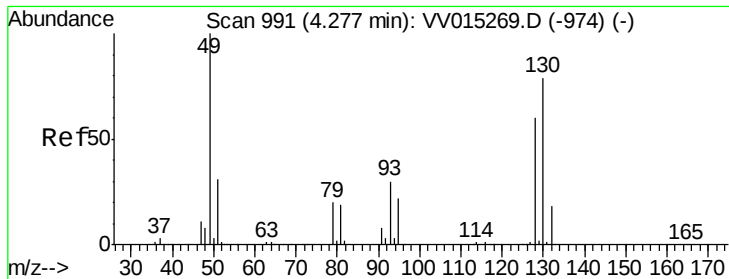


Abundance Ion 96.00 (95.70 to 96.70): VV015270.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV015270.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV015270.D (-793) (-)





#23

Bromochloromethane

Concen: 47.705 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

VICV02

Tot Ion:128 Resp: 113649

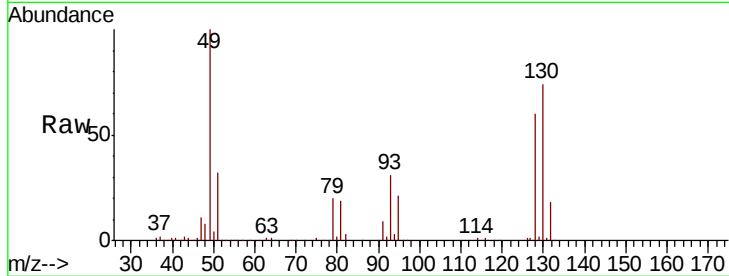
Ion Ratio Lower Upper

128 100

49 165.5 116.3 216.1

130 122.6 91.1 169.3

51 53.2 41.2 61.8

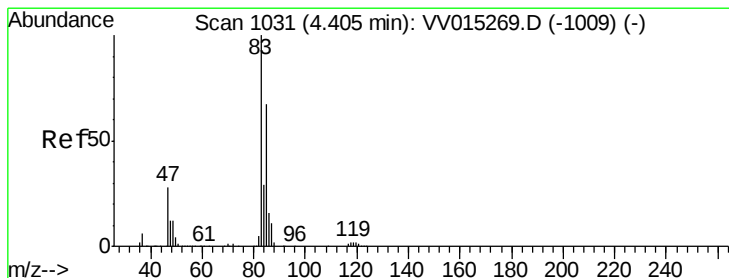
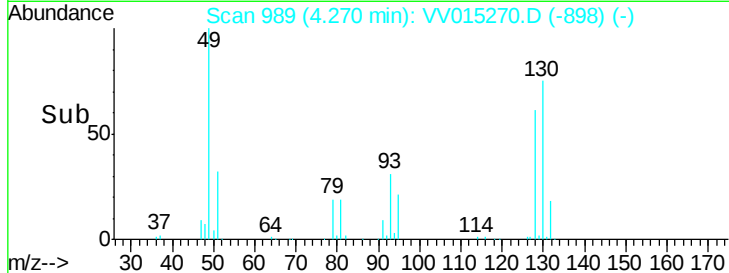
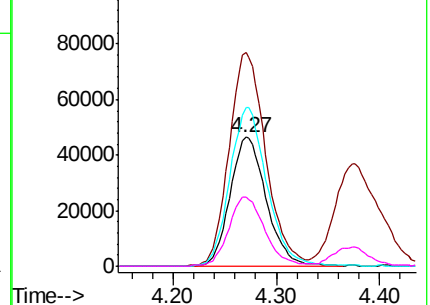


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 47.673 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VV015270.D

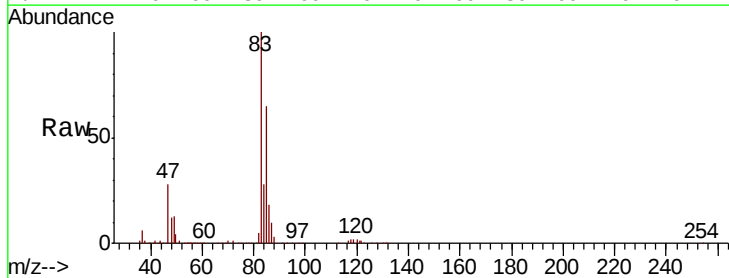
Acq: 30 Mar 2020 13:37

Tgt Ion: 83 Resp: 408559

Ion Ratio Lower Upper

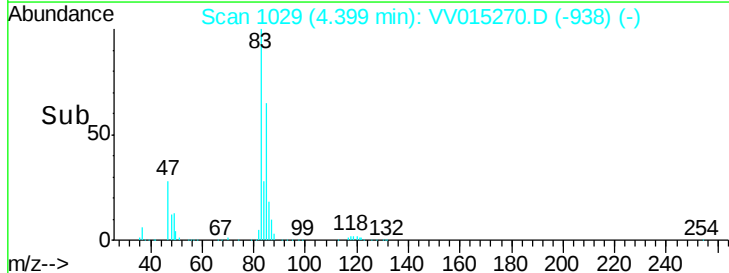
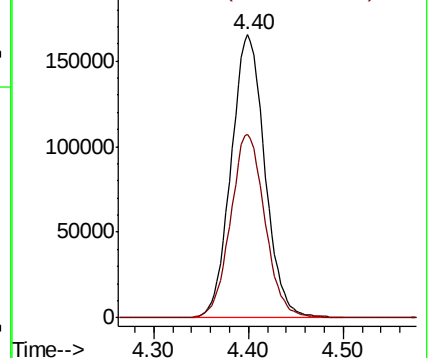
83 100

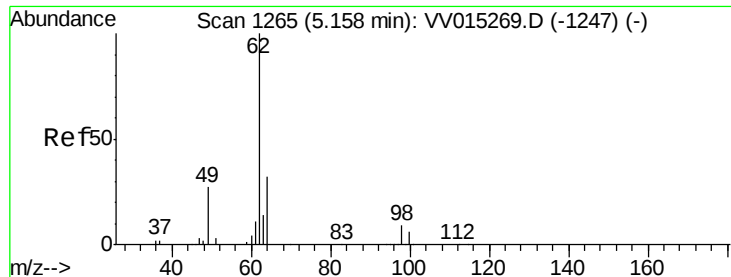
85 64.7 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 47.948 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

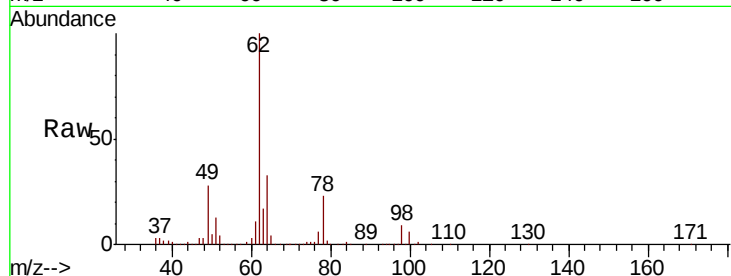
VICV02

Tot Ion: 62 Resp: 326823

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV015270.D (-1172) (-)

Ion 98.00 (97.70 to 98.70): VV015270.D (-1172) (-)

5.15

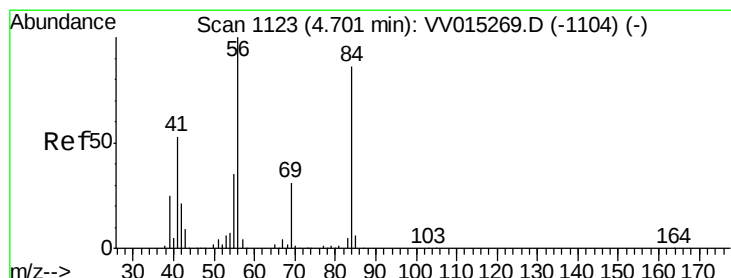
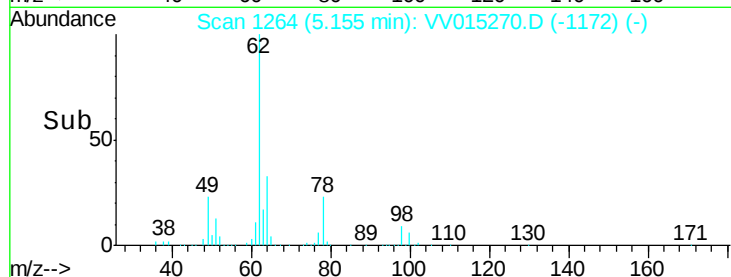
150000

100000

50000

0

Time-->



#29

Cyclohexane

Concen: 40.753 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

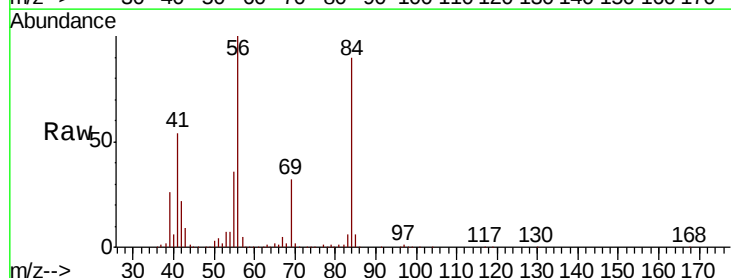
Tgt Ion: 56 Resp: 295461

Ion Ratio Lower Upper

56 100

69 31.5 25.3 37.9

84 91.7 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VV015270.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV015270.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV015270.D (-1030) (-)

4.70

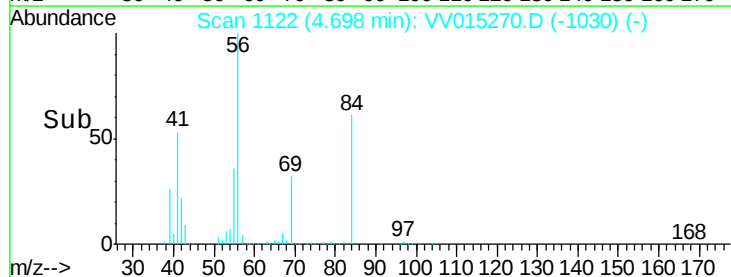
150000

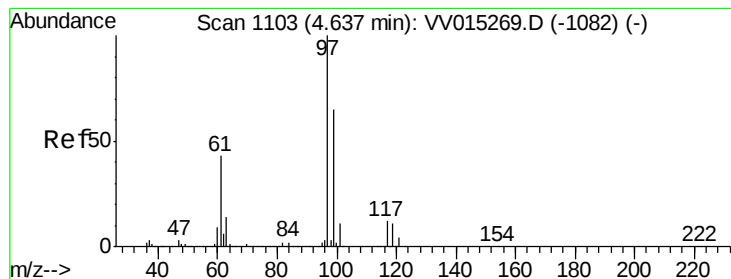
100000

50000

0

Time-->





#30

1,1,1-Trichloroethane

Concen: 45.749 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VICV02

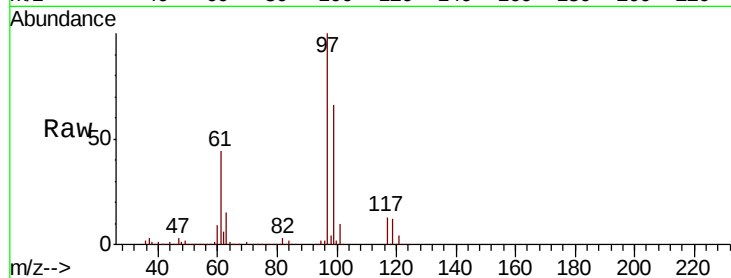
Tot Ion: 97 Resp: 354538

Ion Ratio Lower Upper

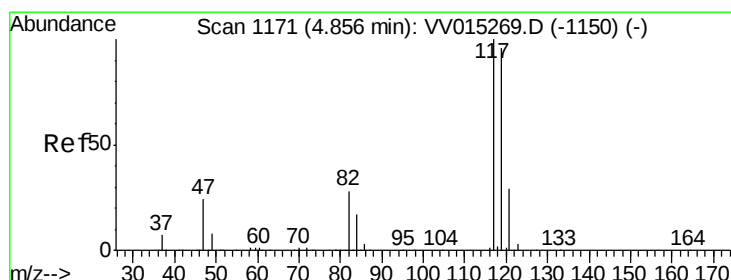
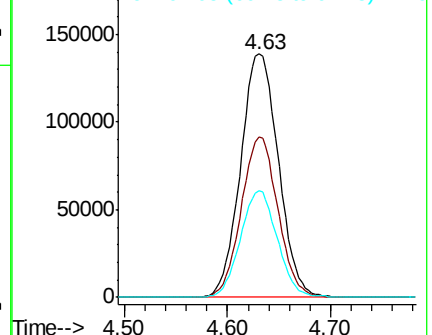
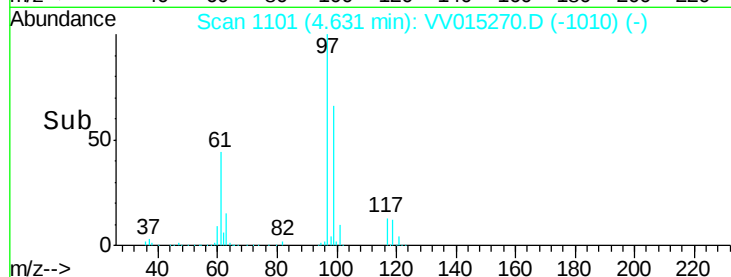
97 100

99 63.9 50.9 76.3

61 42.9 34.3 51.5



Abundance Ion 97.00 (96.70 to 97.70): VV015270.D (-1010) (-)



#31

Carbon tetrachloride

Concen: 43.447 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV015270.D

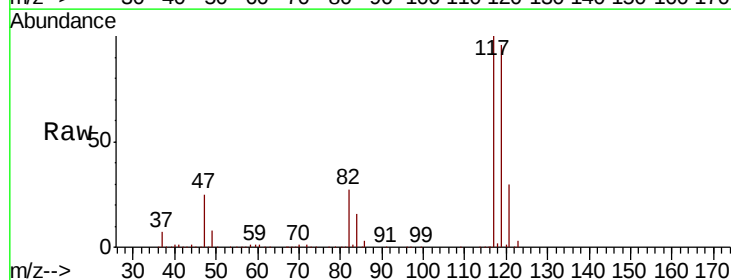
Acq: 30 Mar 2020 13:37

Tgt Ion: 117 Resp: 285231

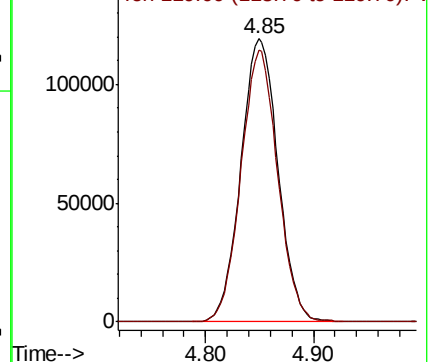
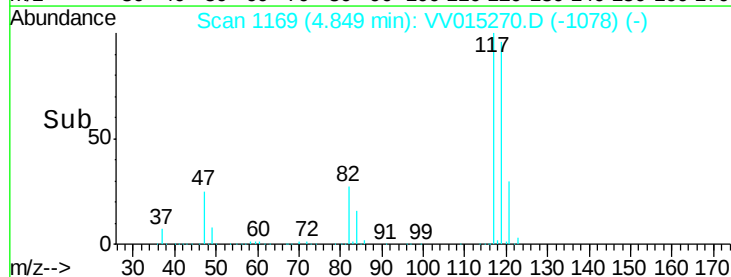
Ion Ratio Lower Upper

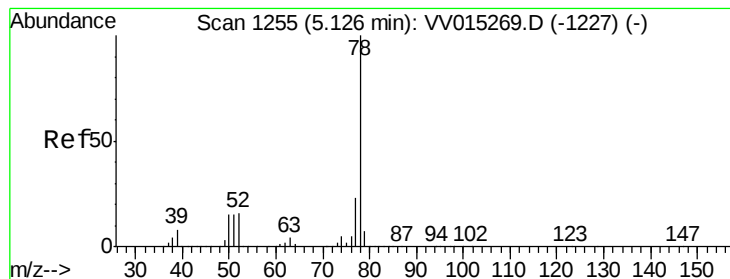
117 100

119 94.9 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): VV015270.D (-1078) (-)





#33

Benzene

Concen: 47.091 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

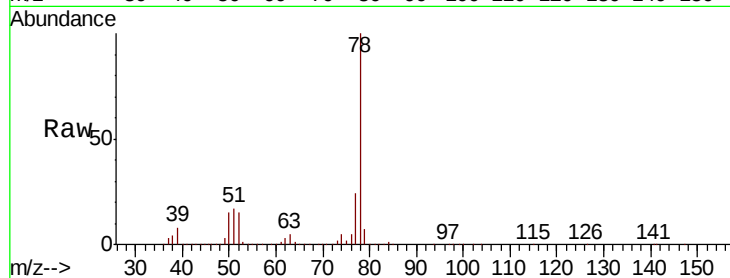
Instrument :

MSVOA_V

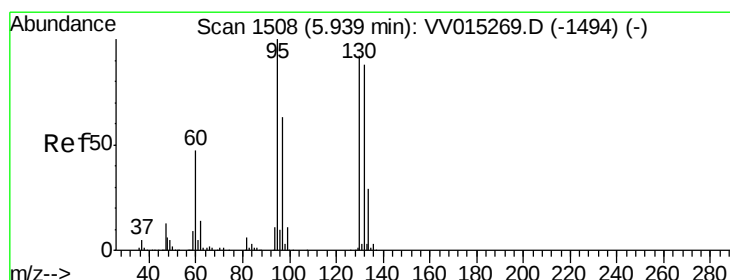
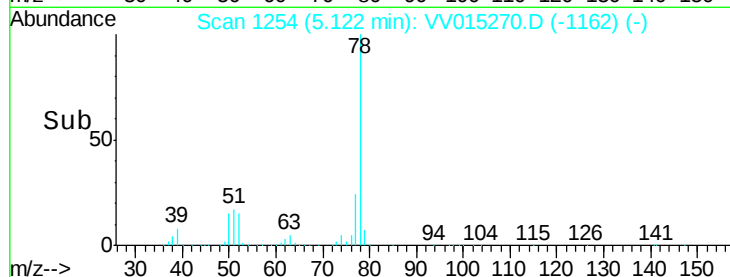
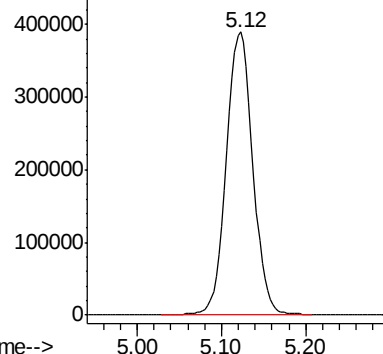
ClientSampleId :

VICV02

Tgt Ion: 78 Resp: 852066



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 45.542 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Tgt Ion: 95 Resp: 221061

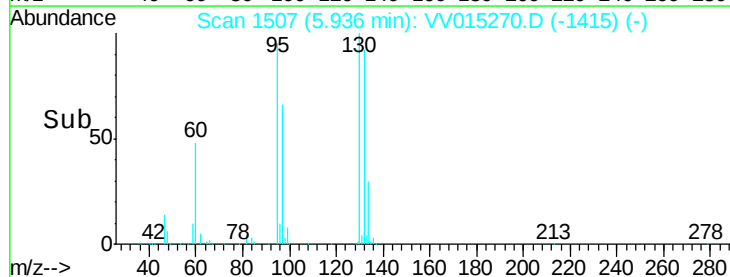
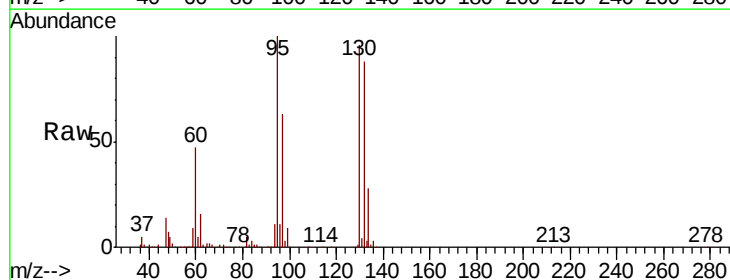
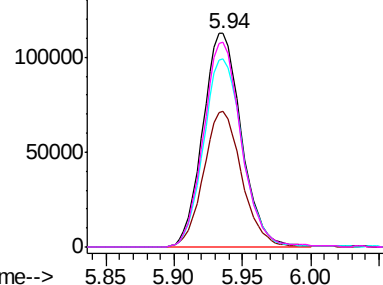
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.0	81.6
132	87.9	61.8	114.8
130	95.7	64.5	119.9

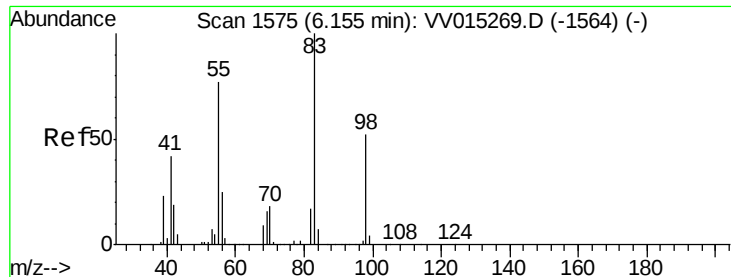
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

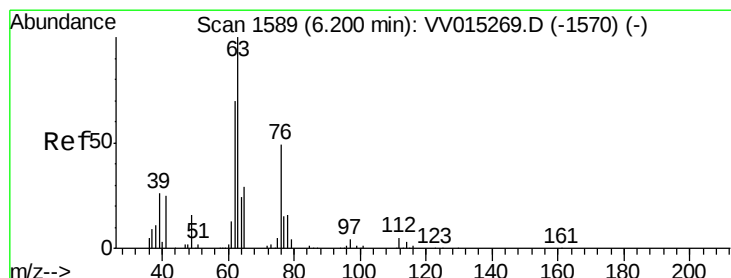
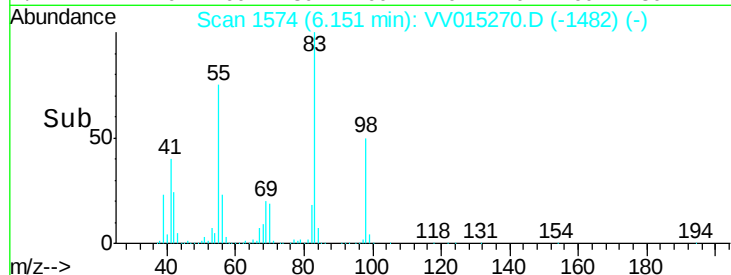
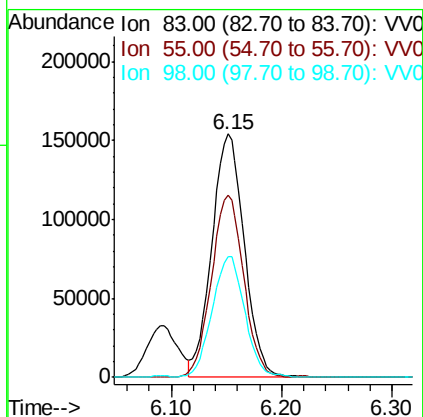
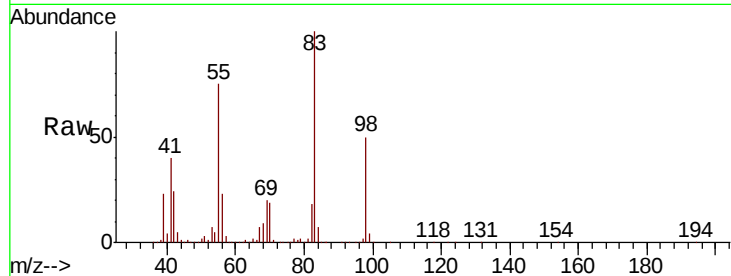




#35
Methvlcvclohexane
Concen: 41.359 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV015270.D
Acq: 30 Mar 2020 13:37

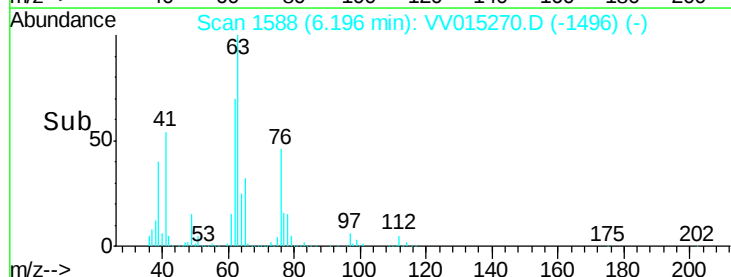
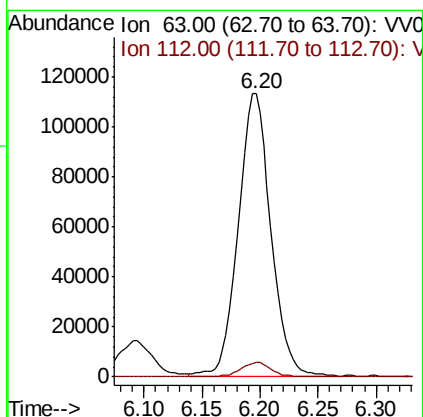
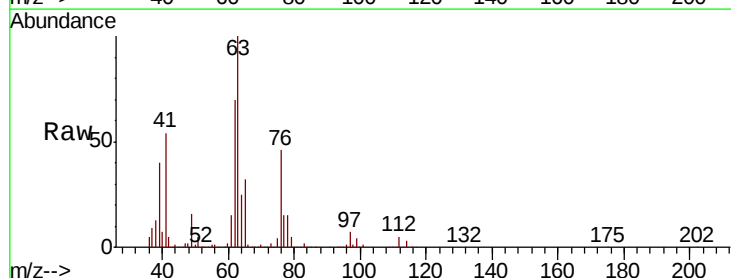
Instrument :
MSVOA_V
ClientSampleId :
VICV02

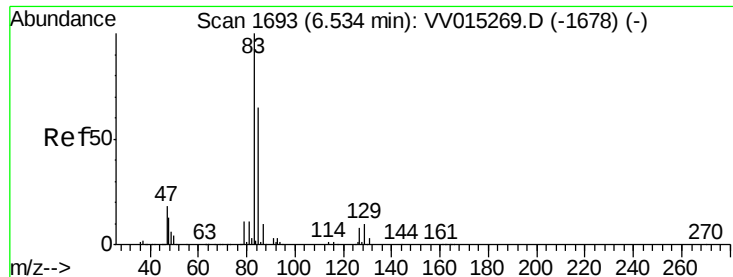
Tot Ion: 83 Resp: 314884
Ion Ratio Lower Upper
83 100
55 74.0 59.4 89.2
98 49.8 38.6 58.0



#37
1,2-Dichloropropane
Concen: 47.718 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV015270.D
Acq: 30 Mar 2020 13:37

Tgt Ion: 63 Resp: 219616
Ion Ratio Lower Upper
63 100
112 4.9 3.7 5.5





#38

Bromodichloromethane

Concen: 48.330 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VICV02

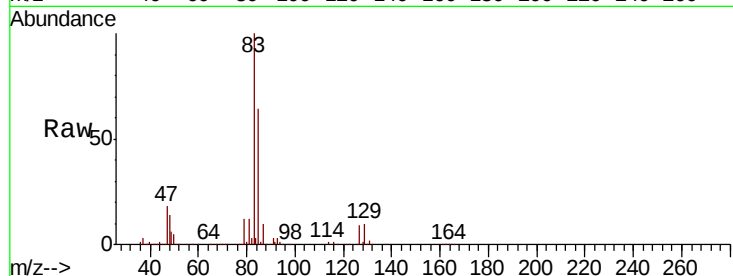
Tot Ion: 83 Resp: 319867

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

127 8.5 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV015270.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV015270.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV015270.D (-1600) (-)

6.53

200000

150000

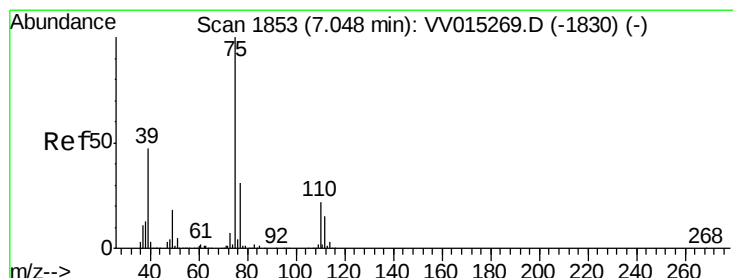
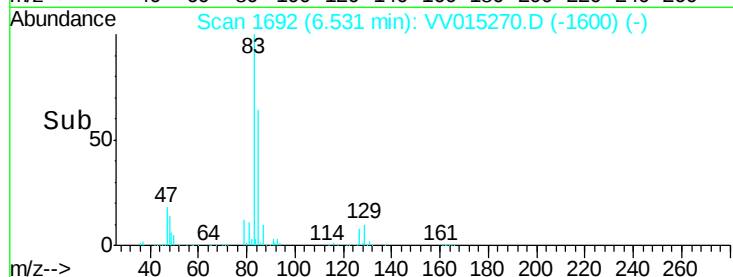
100000

50000

0

6.45 6.50 6.55 6.60

Time-->



#39

cis-1,3-Dichloropropene

Concen: 47.747 ug/L

RT: 7.05 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VV015270.D

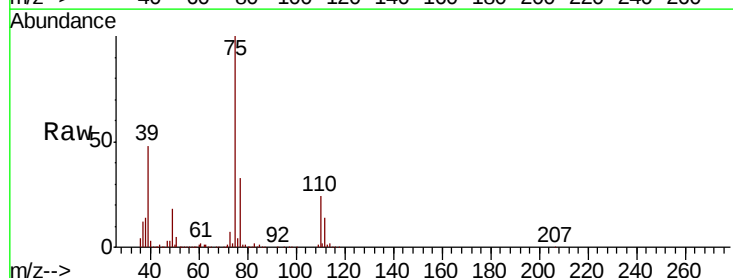
Acq: 30 Mar 2020 13:37

Tgt Ion: 75 Resp: 371118

Ion Ratio Lower Upper

75 100

77 33.4 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV015270.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV015270.D (-1760) (-)

7.05

200000

150000

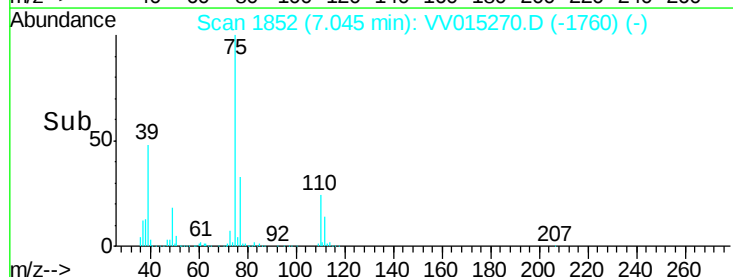
100000

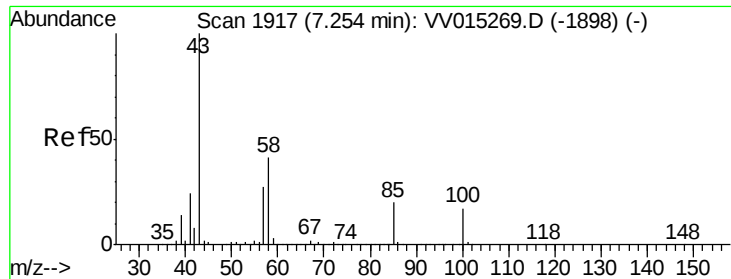
50000

0

6.90 7.00 7.10 7.20

Time-->

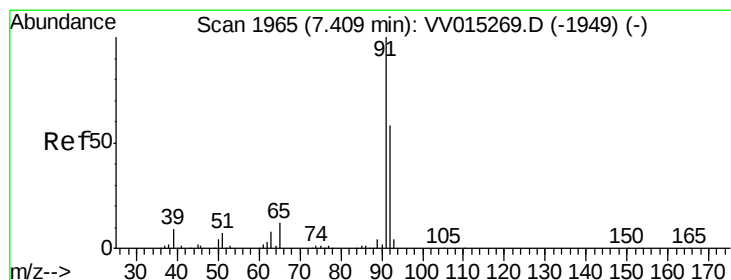
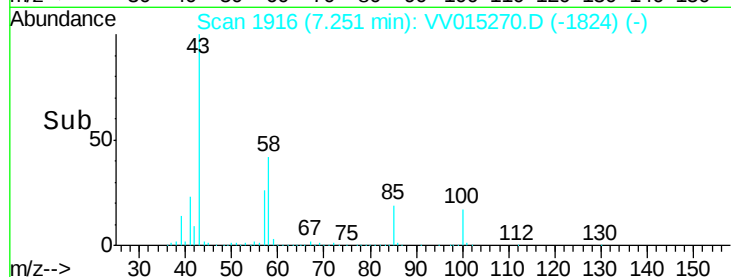
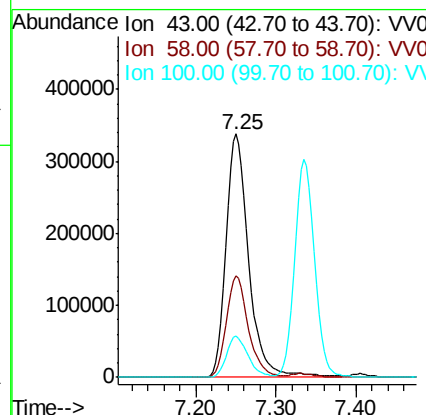
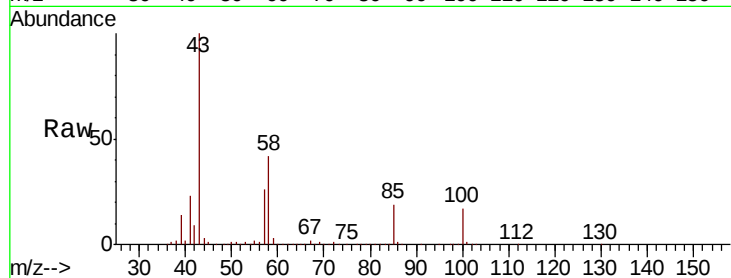




#40
4-Methyl-2-pentanone
Concen: 96.504 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015270.D
Acq: 30 Mar 2020 13:37

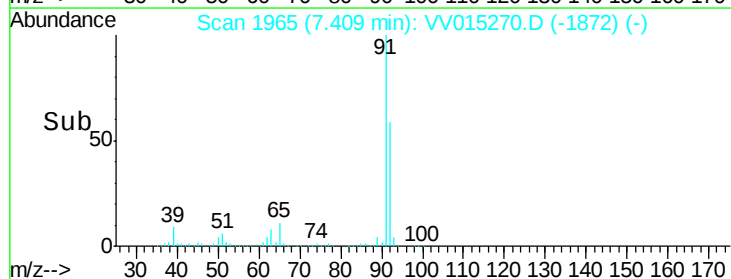
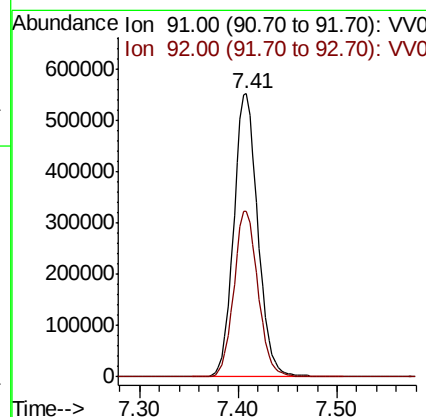
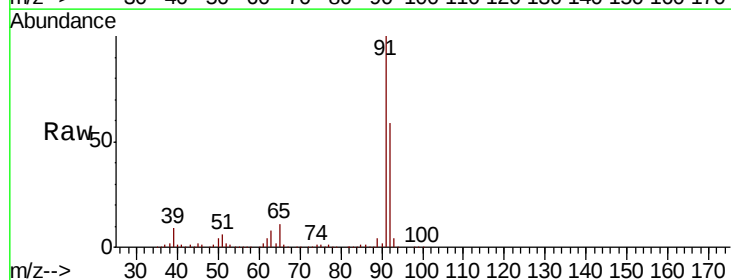
Instrument :
MSVOA_V
ClientSampled :
VICV02

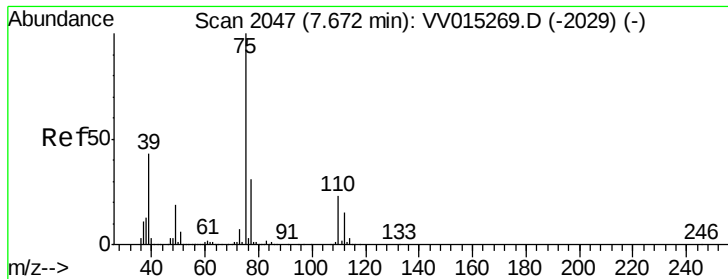
Tot Ion: 43 Resp: 660386
Ion Ratio Lower Upper
43 100
58 40.3 32.9 49.3
100 16.2 13.9 20.9



#42
Toluene
Concen: 46.510 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV015270.D
Acq: 30 Mar 2020 13:37

Tgt Ion: 91 Resp: 944713
Ion Ratio Lower Upper
91 100
92 58.7 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 47.899 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

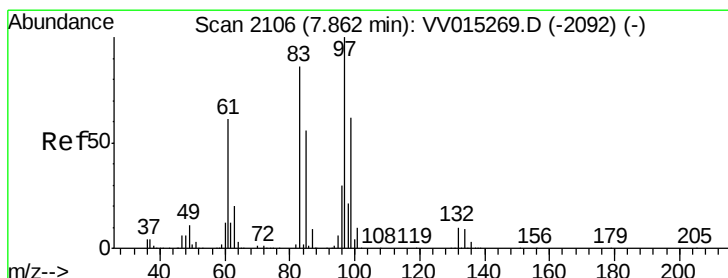
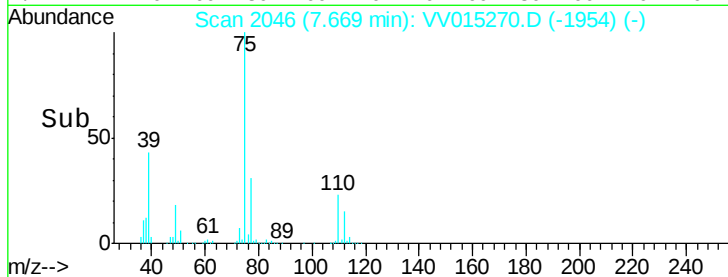
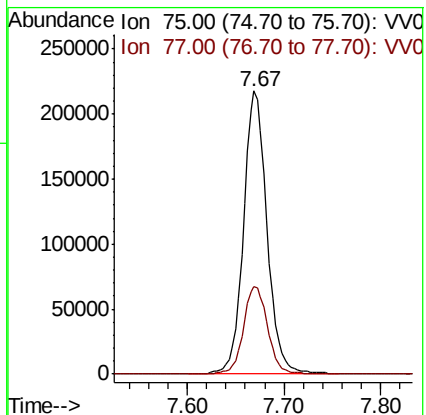
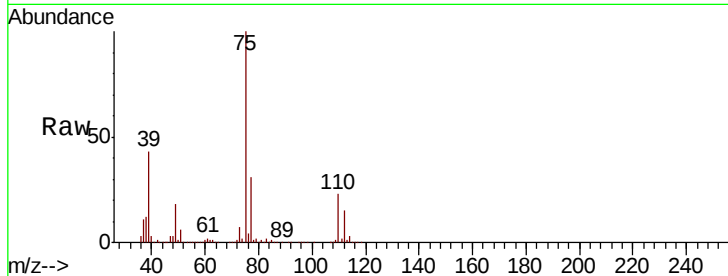
VICV02

Tot Ion: 75 Resp: 365814

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



#45

1,1,2-Trichloroethane

Concen: 49.112 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Tgt Ion: 97 Resp: 227707

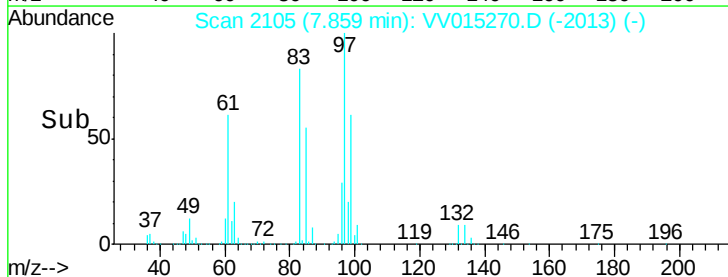
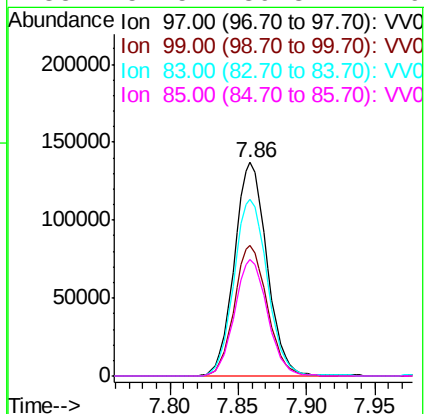
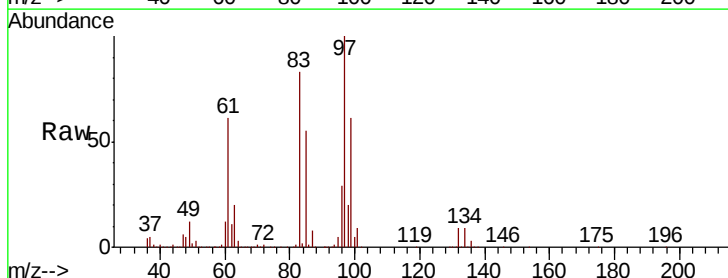
Ion Ratio Lower Upper

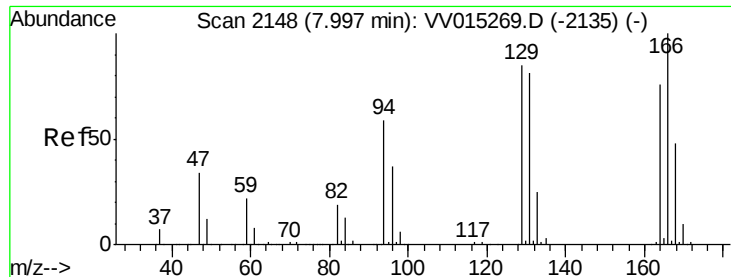
97 100

99 60.9 43.6 81.0

83 82.9 60.0 111.4

85 54.5 39.3 72.9

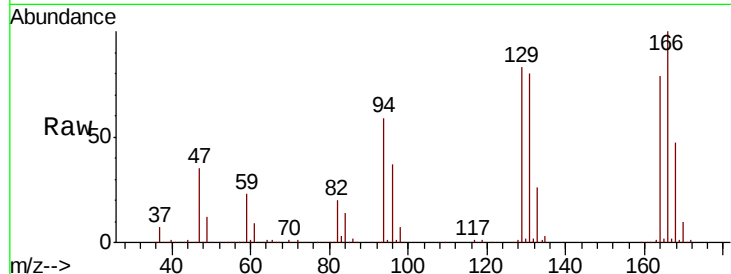




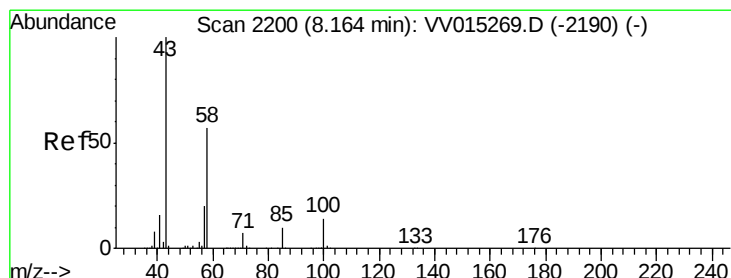
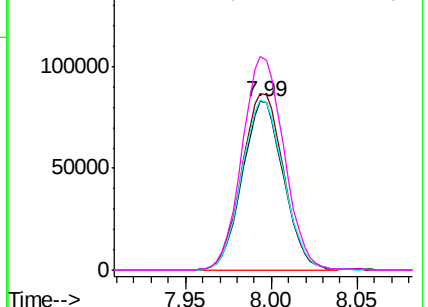
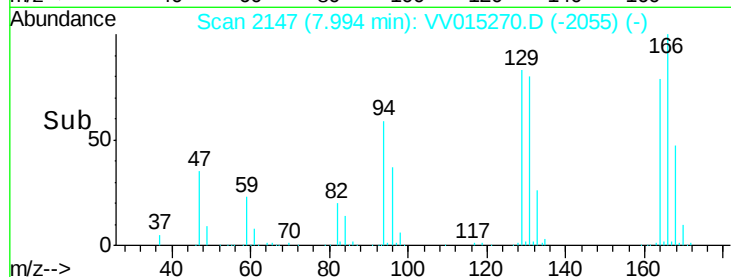
#46
Tetrachloroethene
Concen: 43.012 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV015270.D
Acq: 30 Mar 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :
VICV02

Tot Ion:164 Resp: 138152
Ion Ratio Lower Upper
164 100
129 105.1 77.8 144.4
131 101.0 73.9 137.3
166 126.6 91.7 170.3

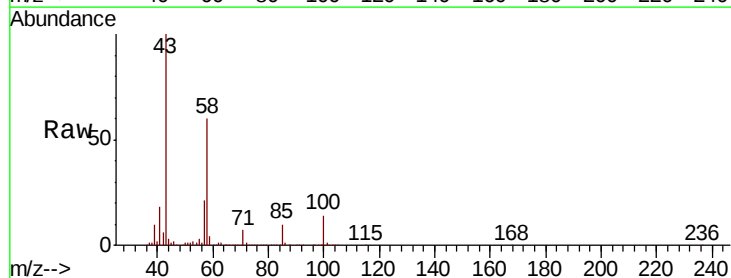


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

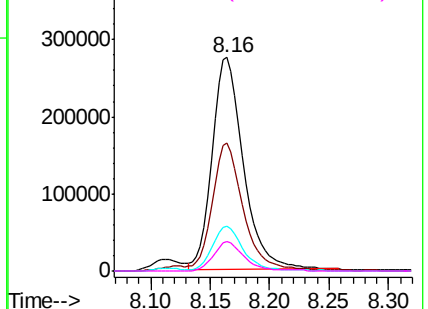
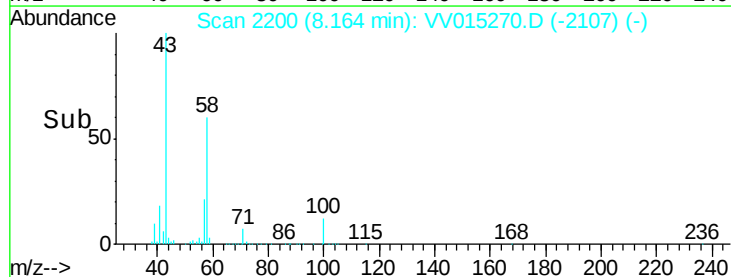


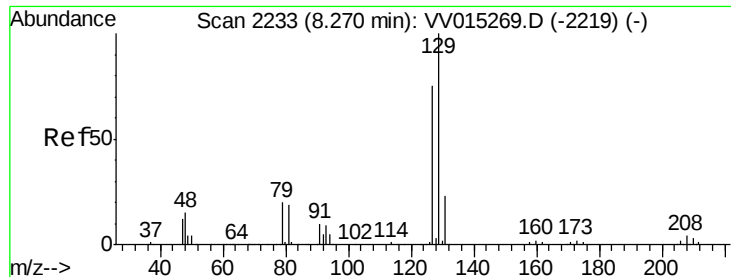
#48
2-Hexanone
Concen: 95.476 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015270.D
Acq: 30 Mar 2020 13:37

Tgt Ion: 43 Resp: 501212
Ion Ratio Lower Upper
43 100
58 60.1 47.0 70.6
57 20.2 16.2 24.2
100 13.5 11.0 16.6



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: 48.679 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

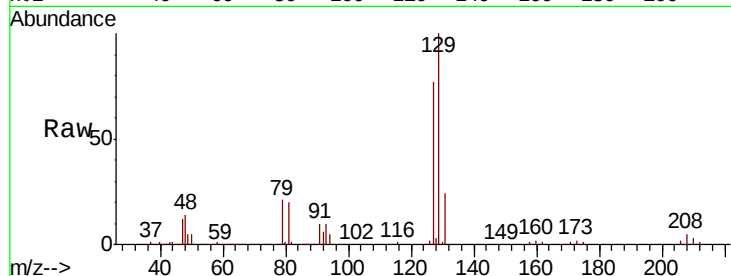
VICV02

Tot Ion:129 Resp: 246670

Ion Ratio Lower Upper

129 100

127 77.5 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

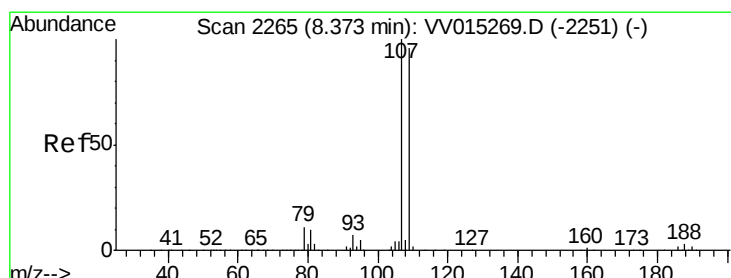
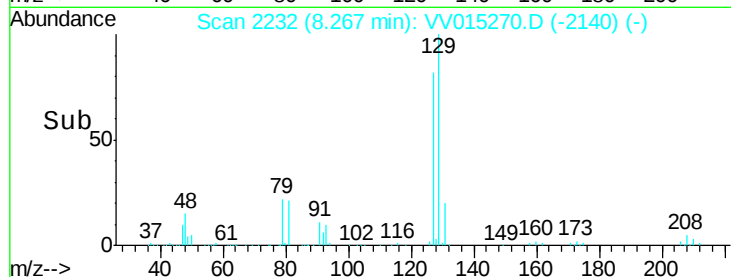
150000

100000

50000

0

Time-->



#50

1,2-Dibromoethane

Concen: 48.261 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

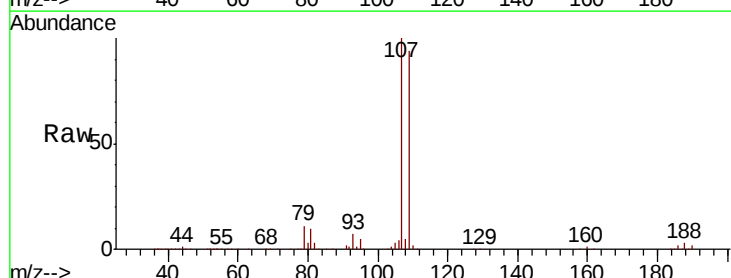
Tgt Ion:107 Resp: 243123

Ion Ratio Lower Upper

107 100

109 93.9 67.1 124.7

188 3.2 2.5 3.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

200000

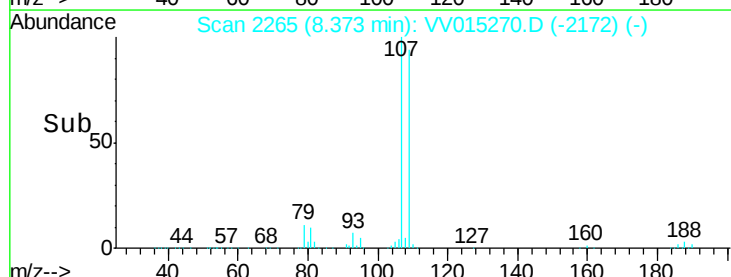
150000

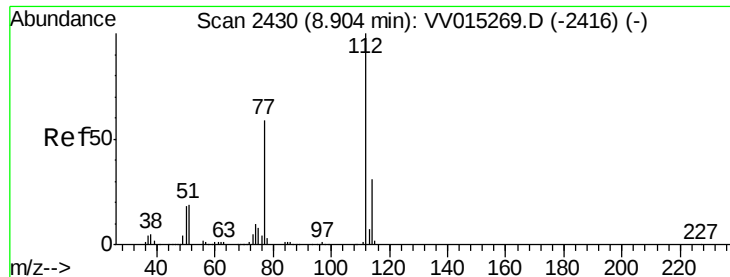
100000

50000

0

Time-->





#51

Chlorobenzene

Concen: 46.732 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VICV02

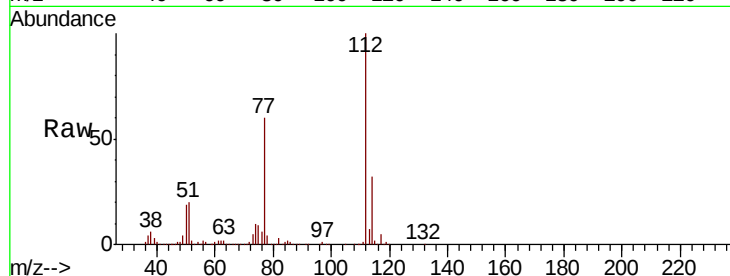
Tot Ion:112 Resp: 617781

Ion Ratio Lower Upper

112 100

114 31.8 21.7 40.3

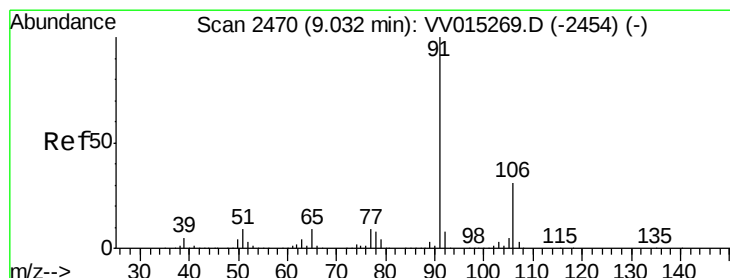
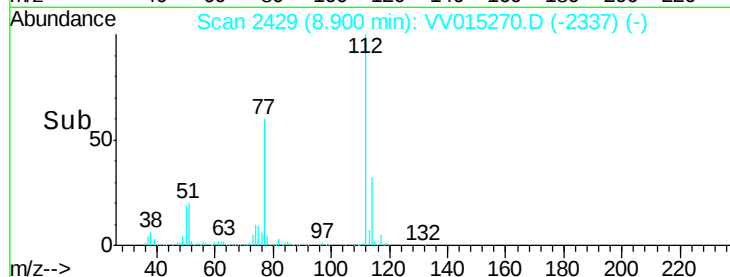
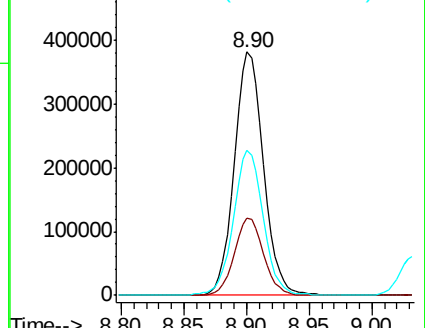
77 59.7 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 45.782 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015270.D

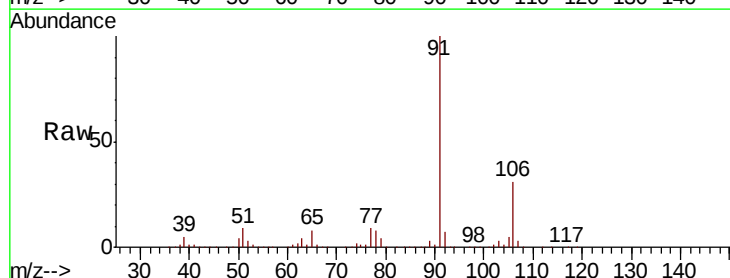
Acq: 30 Mar 2020 13:37

Tgt Ion: 91 Resp: 1048659

Ion Ratio Lower Upper

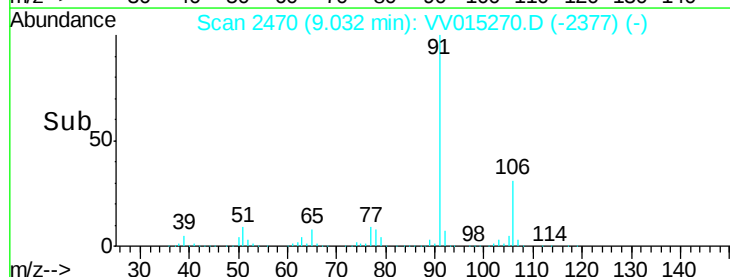
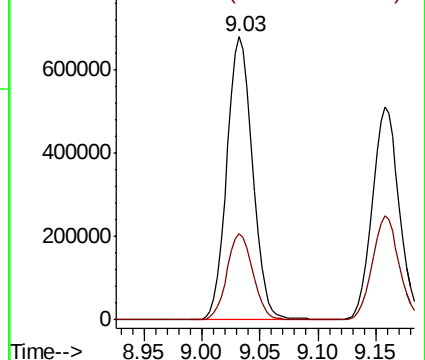
91 100

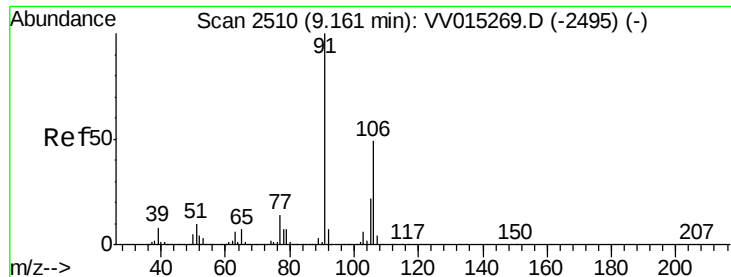
106 30.6 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 46.261 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

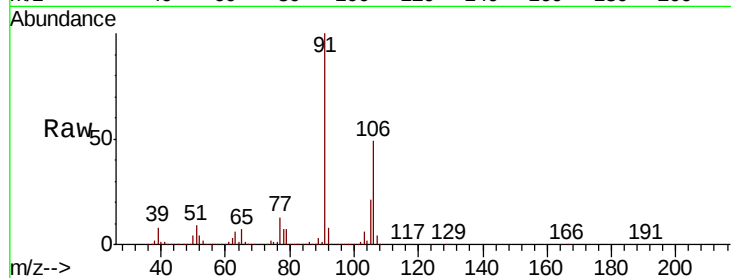
VICV02

Tot Ion:106 Resp: 404167

Ion Ratio Lower Upper

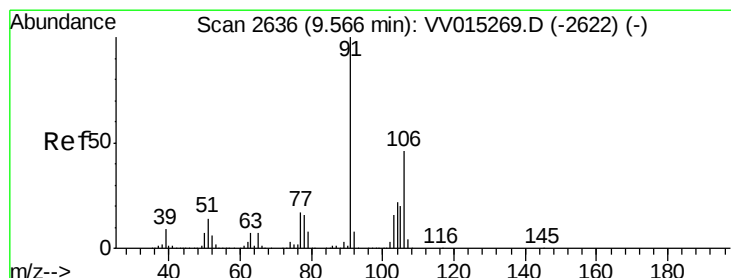
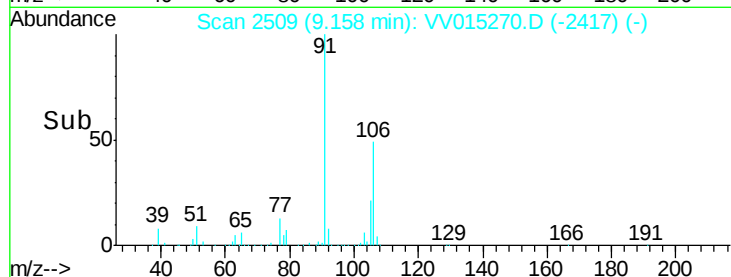
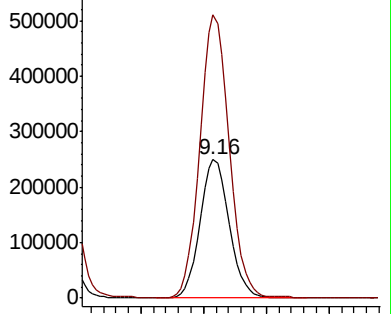
106 100

91 204.6 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 46.682 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015270.D

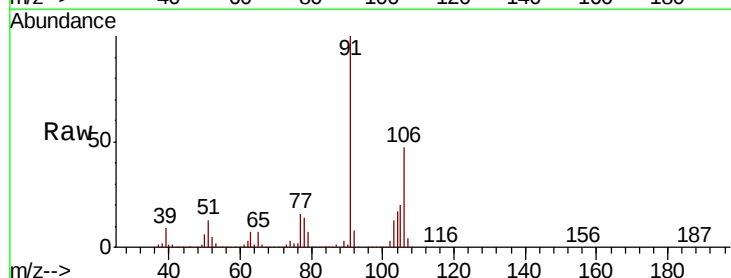
Acq: 30 Mar 2020 13:37

Tgt Ion:106 Resp: 405724

Ion Ratio Lower Upper

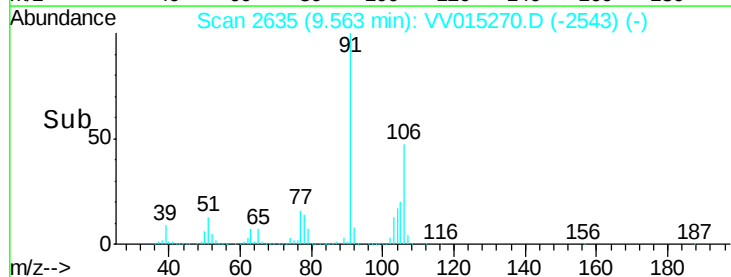
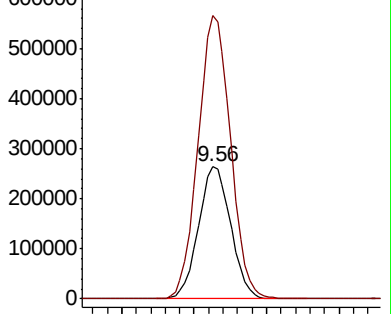
106 100

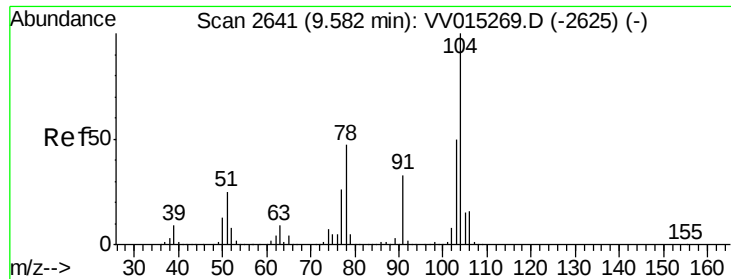
91 214.1 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 47.308 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

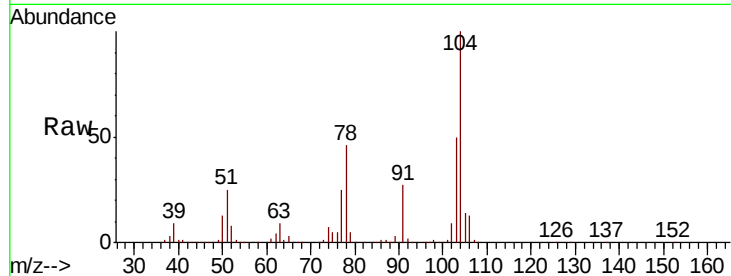
VICV02

Tot Ion:104 Resp: 701631

Ion Ratio Lower Upper

104 100

78 45.8 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

400000

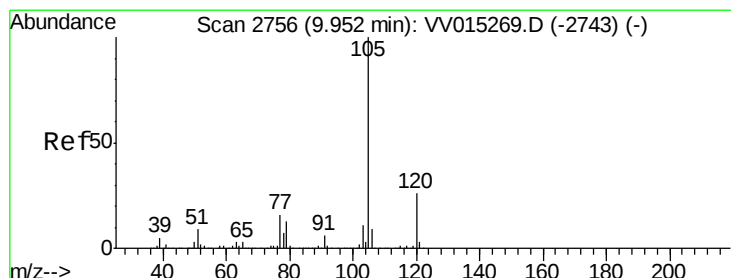
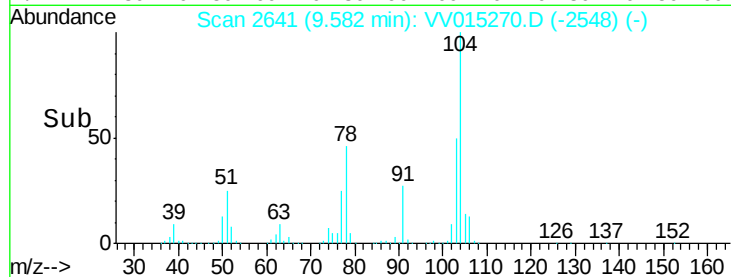
300000

200000

100000

0

Time-->



#56

Isopropylbenzene

Concen: 44.433 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

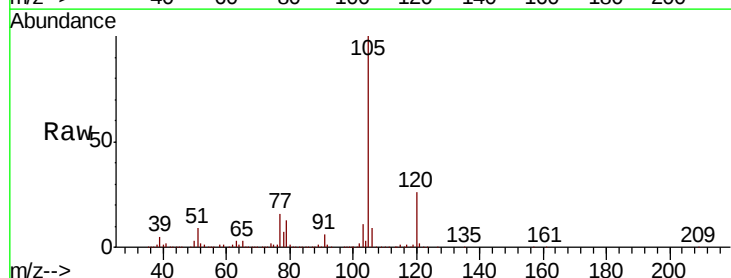
Tgt Ion:105 Resp: 1016566

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

77 16.0 12.8 19.2



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): VV0

9.95

800000

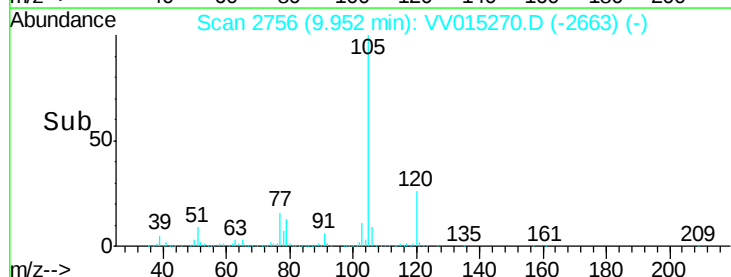
600000

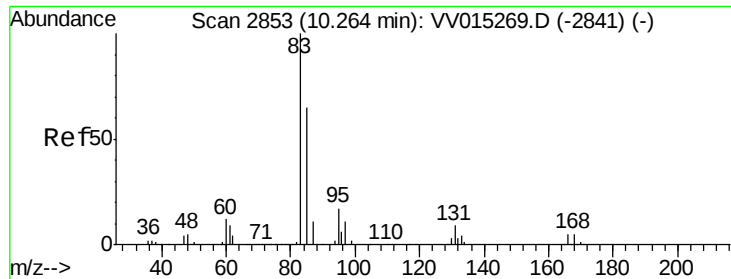
400000

200000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 48.174 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VICV02

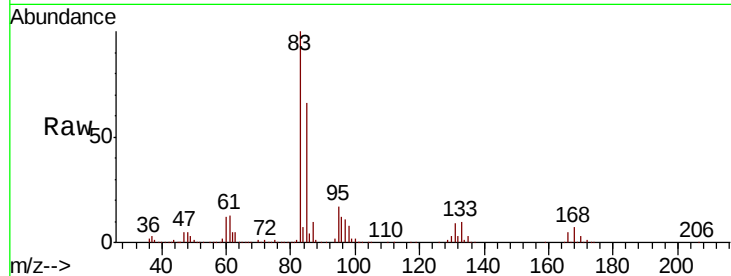
Tot Ion: 83 Resp: 370689

Ion Ratio Lower Upper

83 100

85 65.6 46.3 85.9

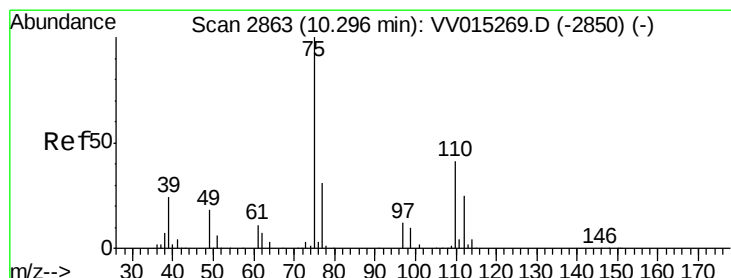
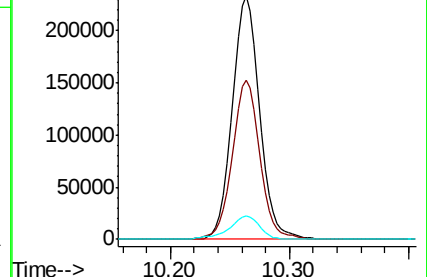
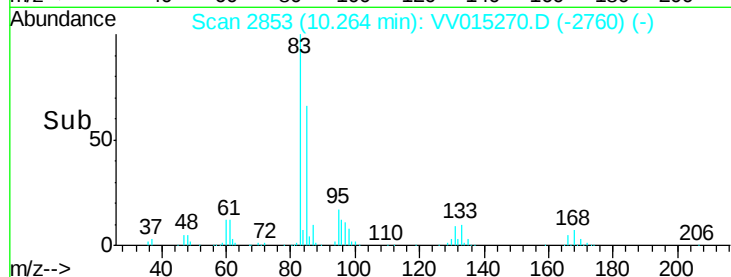
131 9.4 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV015270.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015270.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV015270.D (-2760) (-)



#59

1,2,3-Trichloropropane

Concen: 47.359 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015270.D

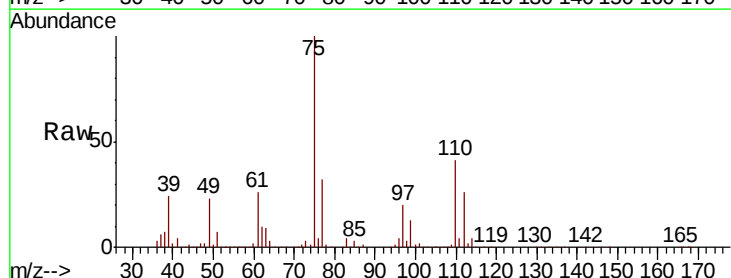
Acq: 30 Mar 2020 13:37

Tgt Ion: 75 Resp: 301570

Ion Ratio Lower Upper

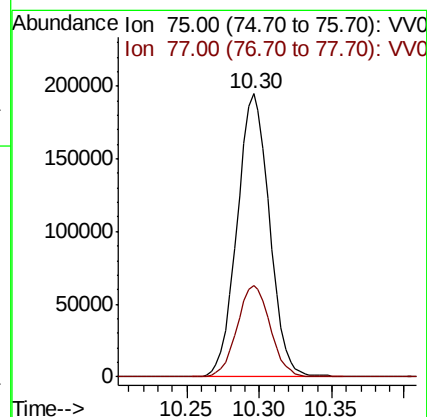
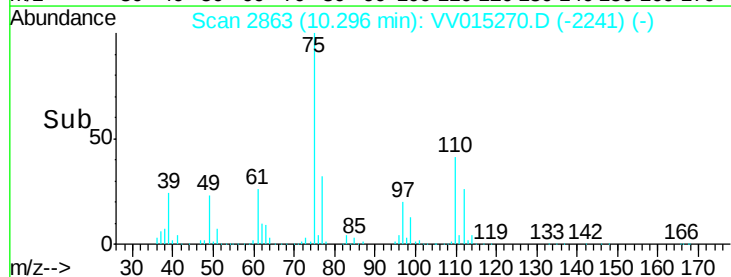
75 100

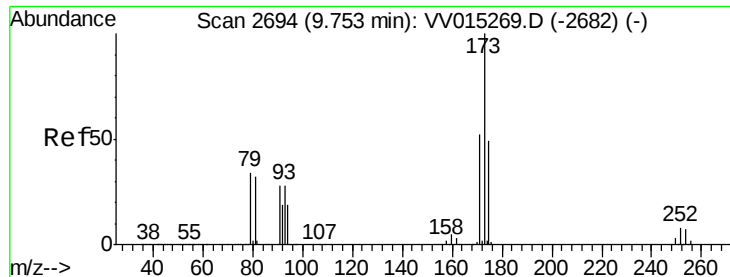
77 32.8 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VV015270.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015270.D (-2241) (-)





#61

Bromoform

Concen: 49.780 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

VICV02

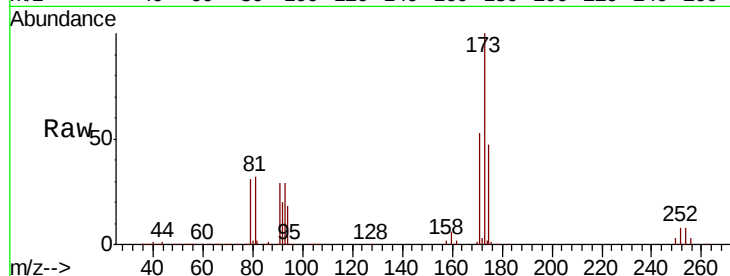
Tot Ion:173 Resp: 160409

Ion Ratio Lower Upper

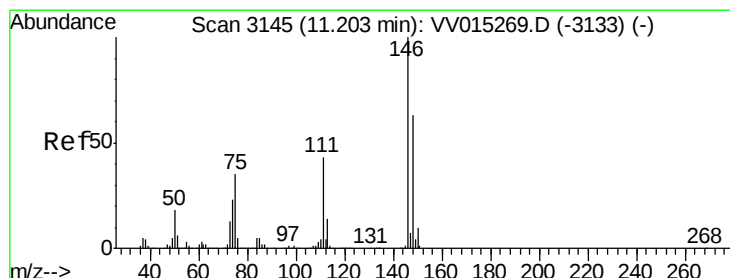
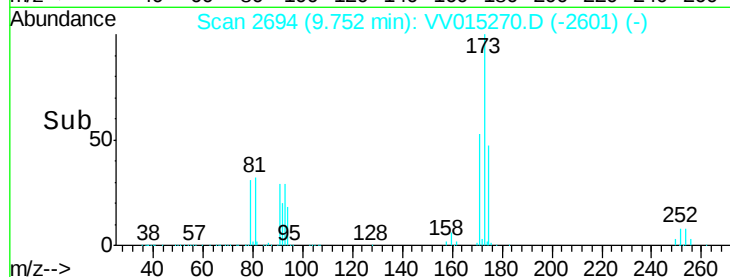
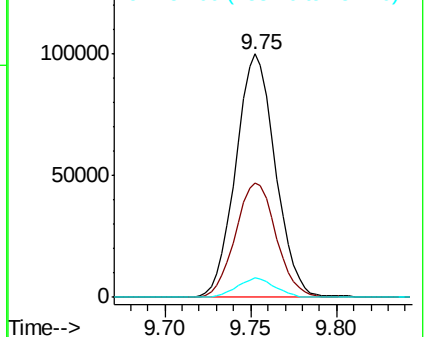
173 100

175 48.1 39.4 59.0

254 7.5 5.6 8.4



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



#62

1,3-Dichlorobenzene

Concen: 45.784 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

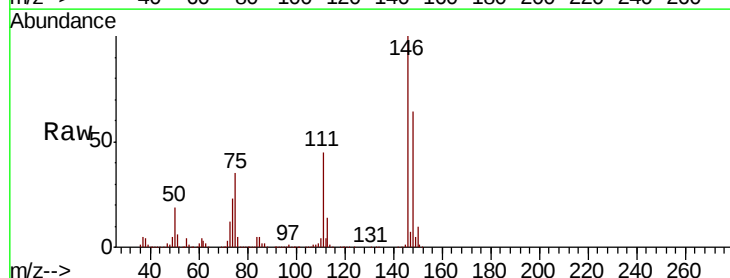
Tgt Ion:146 Resp: 451166

Ion Ratio Lower Upper

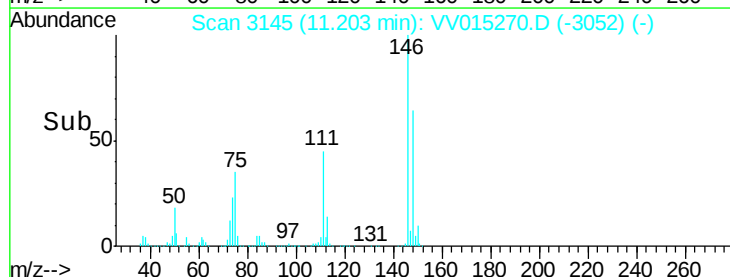
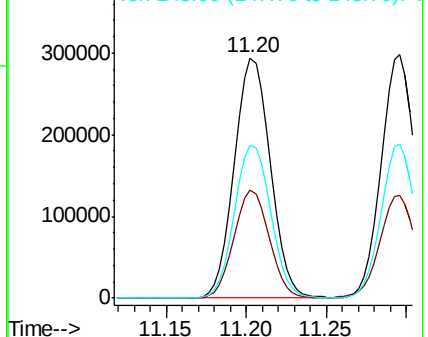
146 100

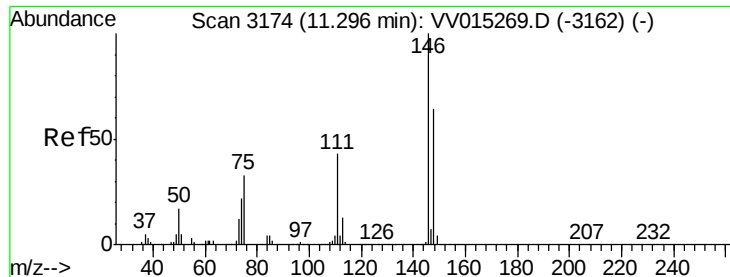
111 45.0 30.4 56.4

148 63.8 43.9 81.5



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

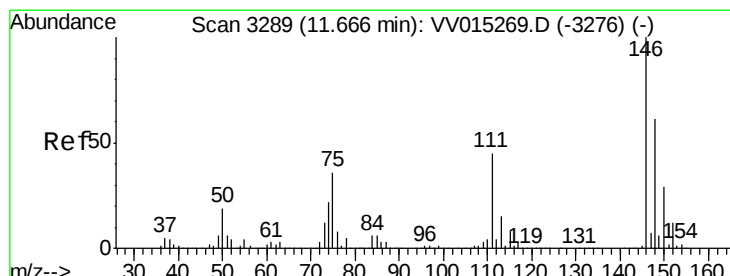
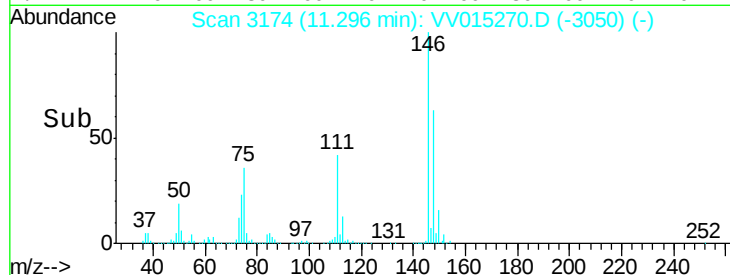
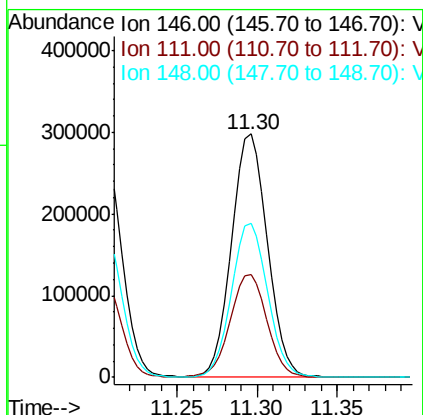
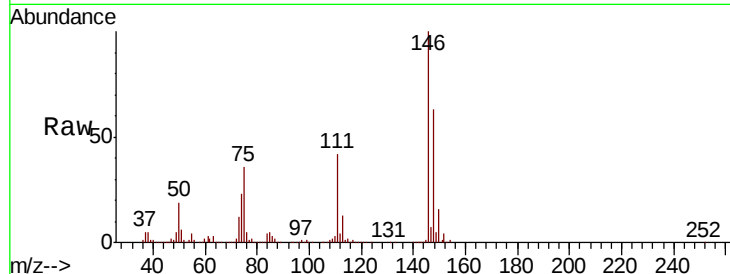




#63
 1,4-Dichlorobenzene
 Concen: 44.945 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015270.D
 Acq: 30 Mar 2020 13:37

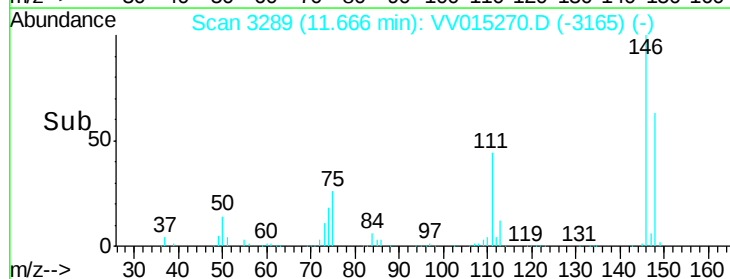
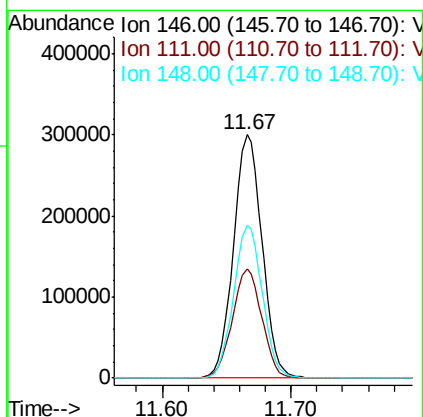
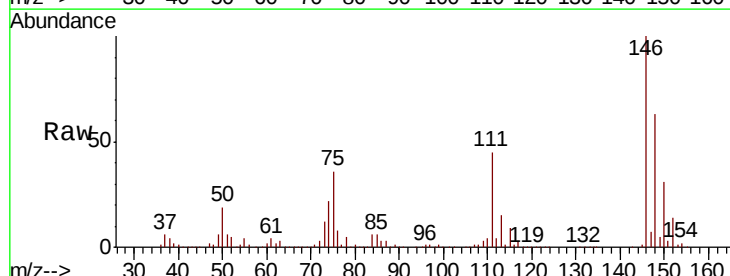
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV02

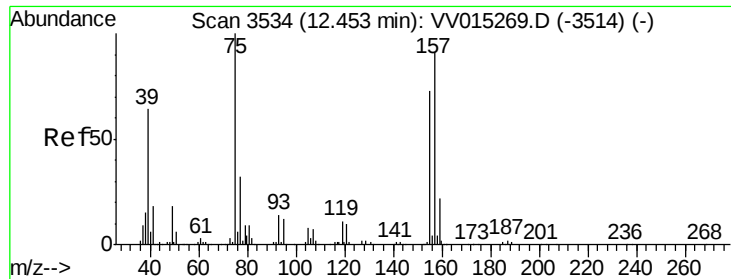
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	30.5	56.7
148	63.3	45.0	83.6



#65
 1,2-Dichlorobenzene
 Concen: 46.604 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015270.D
 Acq: 30 Mar 2020 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	35.8	53.6
148	62.7	49.1	73.7





#66

1,2-Dibromo-3-chloropropane

Concen: 46.244 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

VICV02

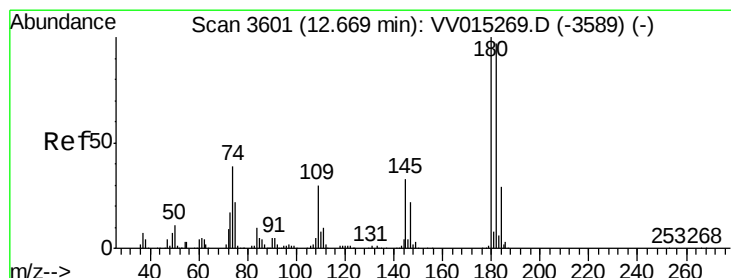
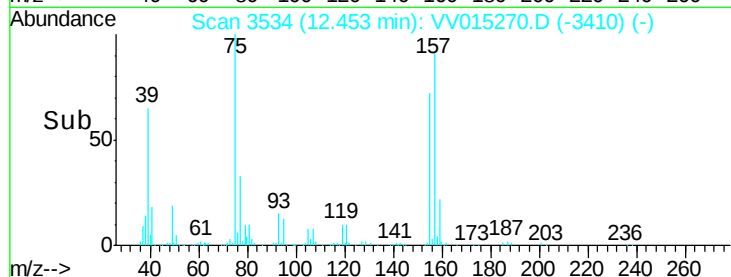
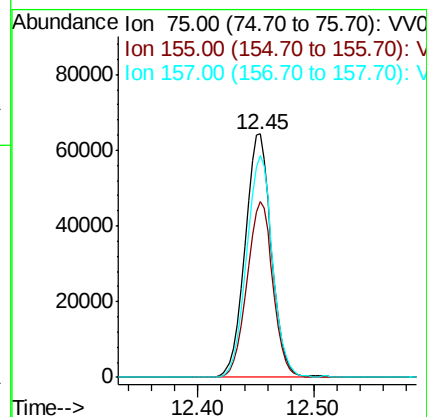
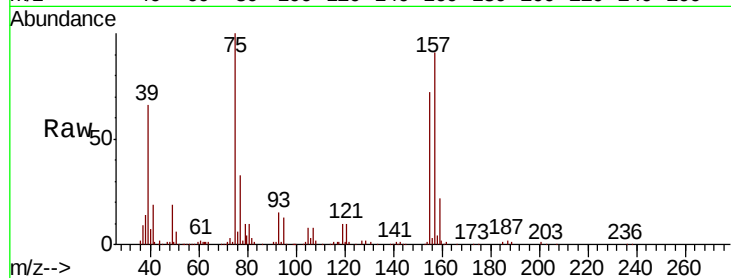
Tot Ion: 75 Resp: 101179

Ion Ratio Lower Upper

75 100

155 72.3 58.2 87.4

157 91.1 73.0 109.6



#67

1,3,5-Trichlorobenzene

Concen: 45.367 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Tgt Ion: 180 Resp: 285332

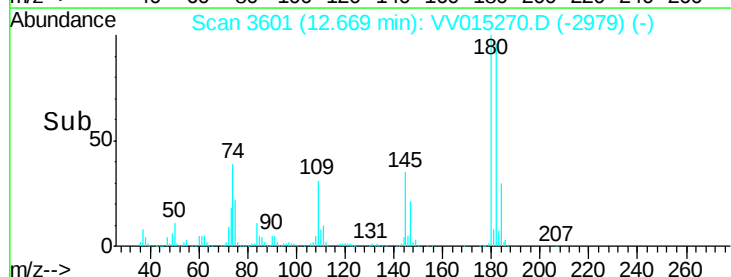
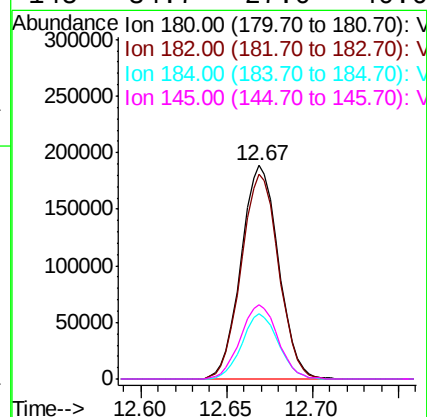
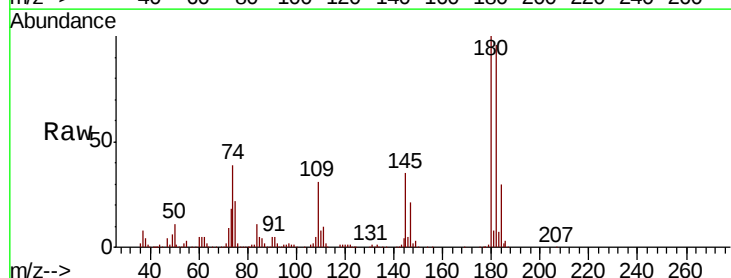
Ion Ratio Lower Upper

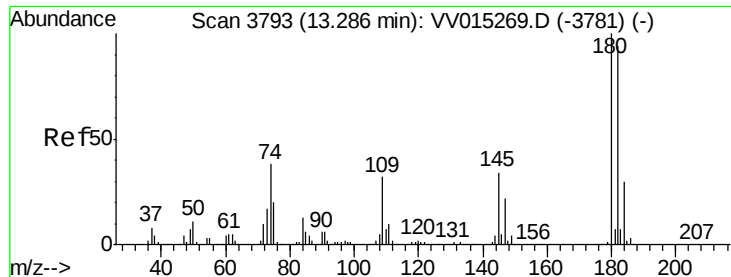
180 100

182 95.5 76.8 115.2

184 29.7 23.6 35.4

145 34.7 27.0 40.6

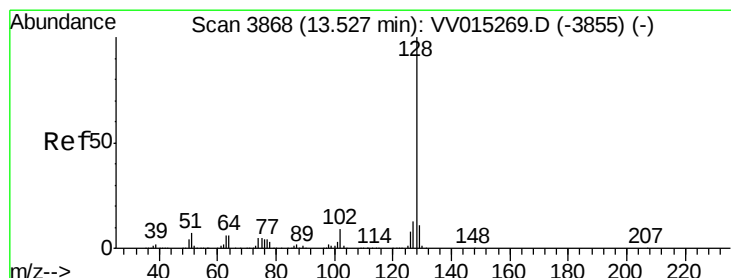
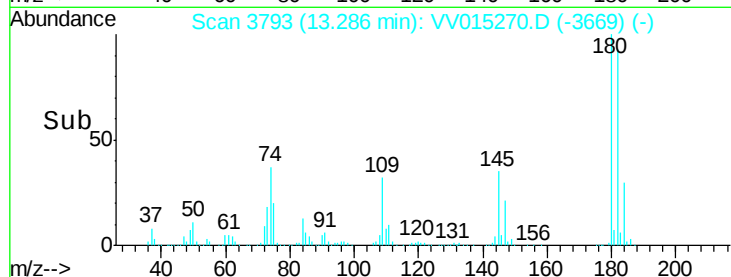
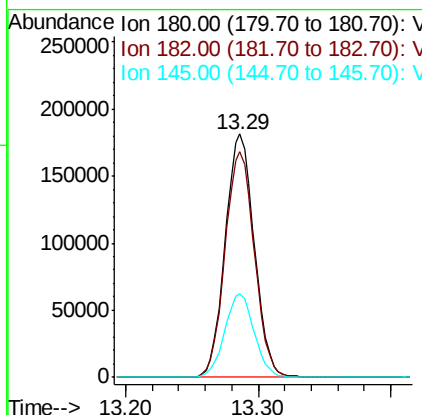
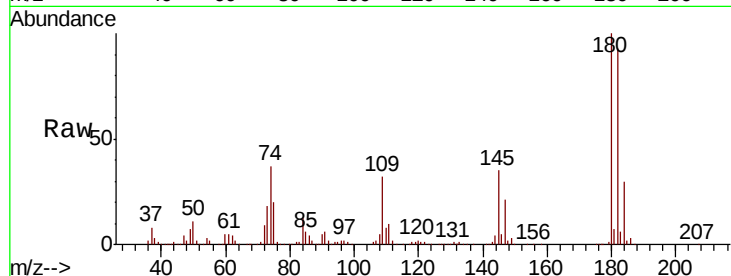




#68
 1,2,4-trichlorobenzene
 Concen: 46.195 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015270.D
 Acq: 30 Mar 2020 13:37

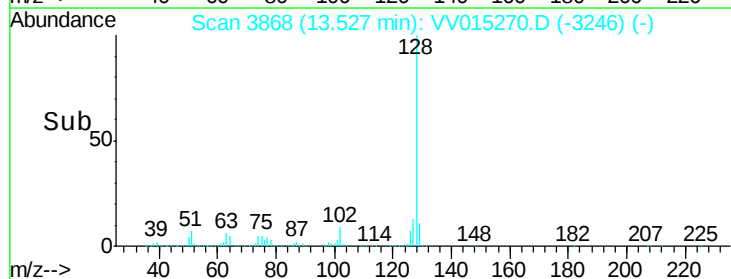
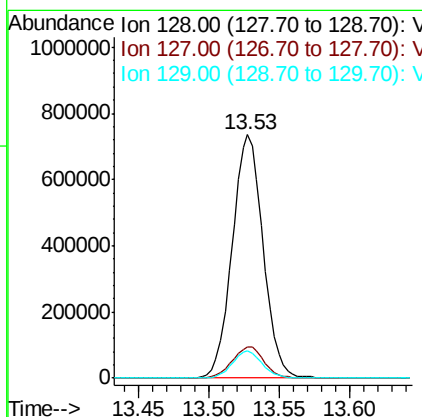
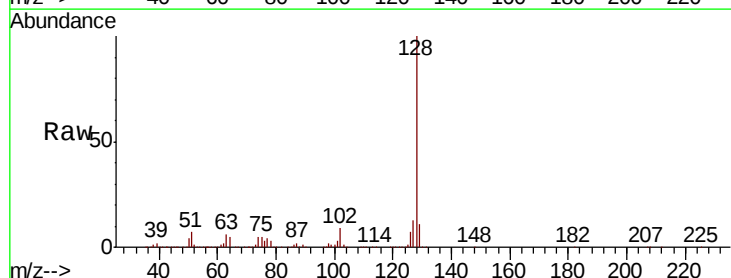
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV02

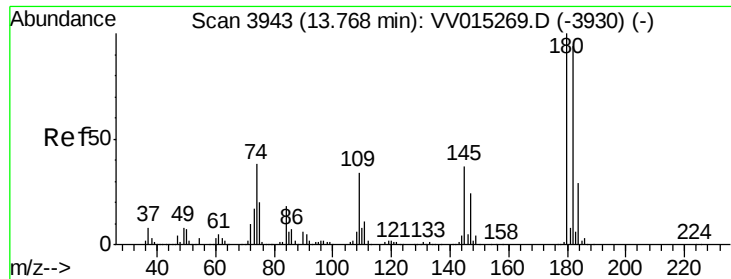
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.2	112.8
145	34.8	27.3	40.9



#69
 Naphthalene
 Concen: 47.066 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV015270.D
 Acq: 30 Mar 2020 13:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	13.0





#70

1,2,3-Trichlorobenzene

Concen: 46.579 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015270.D

Acq: 30 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VICV02

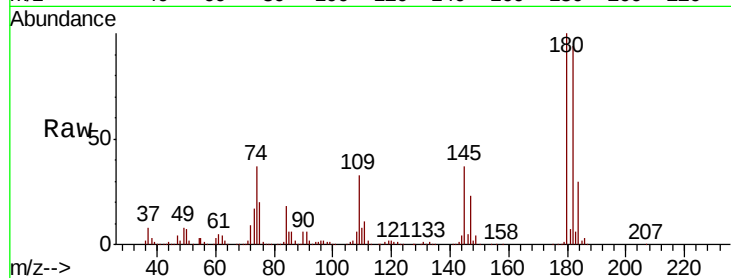
Tot Ion:180 Resp: 279357

Ion Ratio Lower Upper

180 100

182 93.4 74.7 112.1

145 37.4 29.6 44.4



Abundance Ion 180.00 (179.70 to 180.70): V

250000 Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

200000

150000

100000

50000

0

13.77

13.75

13.80

13.85

Time-->

