

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071320\
 Data File : VV017457.D
 Acq On : 13 Jul 2020 09:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 14 05:10:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 11:56:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	298671	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287379	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	158246	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87894	56.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.06%
7) Chloroethane-d5	1.58	69	63127	57.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.58%
11) 1,1-Dichloroethene-d2	2.13	63	184033	52.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.54%
21) 2-Butanone-d5	3.90	46	111170	104.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.68%
24) Chloroform-d	4.37	84	188792	52.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.98%
26) 1,2-Dichloroethane-d4	5.05	65	131006	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.14%
32) Benzene-d6	5.07	84	321909	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
36) 1,2-Dichloropropane-d6	6.09	67	91690	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.58%
41) Toluene-d8	7.33	98	315778	52.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.82%
43) trans-1,3-Dichloropropene-	7.64	79	57666	55.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.84%
47) 2-Hexanone-d5	8.11	63	82128	111.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.94%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	126588	50.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	137670	52.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	141720	44.186	ug/L 99
3) Chloromethane	1.25	50	97778	43.301	ug/L 100
5) Vinyl chloride	1.32	62	101158	44.323	ug/L 98
6) Bromomethane	1.53	94	59685	51.520	ug/L 96
8) Chloroethane	1.60	64	53898	45.513	ug/L 100
9) Trichlorofluoromethane	1.76	101	195452	45.744	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93762	47.274	ug/L 99
12) 1,1-Dichloroethene	2.13	96	81961	45.688	ug/L 96
13) Acetone	2.19	43	158100	109.362	ug/L 100
14) Carbon disulfide	2.31	76	221342	40.539	ug/L 100
15) Methyl Acetate	2.44	43	86175	44.908	ug/L 100
16) Methylene chloride	2.52	84	90394	43.281	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	85129	43.638	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	309834	47.606	ug/L 99
19) 1,1-Dichloroethane	3.21	63	161957	45.149	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	93807	44.879	ug/L 95
22) 2-Butanone	3.99	43	147862	104.635	ug/L 95

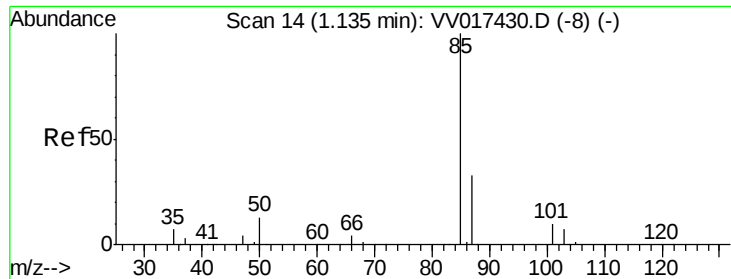
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071320\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 11:56:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53483	45.985	ug/L	96
25) Chloroform	4.40	83	187352	46.532	ug/L	99
27) 1,2-Dichloroethane	5.15	62	161457	45.621	ug/L	98
29) Cyclohexane	4.70	56	132173	44.104	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	185404	46.916	ug/L	100
31) Carbon tetrachloride	4.85	117	172145	47.591	ug/L	99
33) Benzene	5.12	78	341668	44.977	ug/L	100
34) Trichloroethene	5.94	95	103043	45.688	ug/L	95
35) Methylcyclohexane	6.15	83	150618	45.605	ug/L	99
37) 1,2-Dichloropropane	6.20	63	85698	46.124	ug/L	100
38) Bromodichloromethane	6.53	83	142036	46.948	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	148763	46.982	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	246196	95.828	ug/L	98
42) Toluene	7.41	91	387565	45.645	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	159410	48.676	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	93209	46.236	ug/L	94
46) Tetrachloroethene	7.99	164	86617	45.738	ug/L	94
48) 2-Hexanone	8.16	43	208328	100.167	ug/L	97
49) Dibromochloromethane	8.27	129	118644	47.177	ug/L	99
50) 1,2-Dibromoethane	8.37	107	96712	44.821	ug/L	98
51) Chlorobenzene	8.90	112	261214	45.400	ug/L	99
52) Ethylbenzene	9.03	91	448878	46.220	ug/L	98
53) m,p-Xylene	9.16	106	169058	46.496	ug/L	97
54) o-xylene	9.56	106	166569	47.694	ug/L	100
55) Styrene	9.58	104	289979	47.801	ug/L	97
56) Isopropylbenzene	9.95	105	468563	48.225	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	131975	44.580	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	119480	46.406	ug/L	98
61) Bromoform	9.75	173	90849	47.728	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	228367	46.248	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	231391	46.171	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	226568	46.028	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37205	46.450	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	181885	48.899	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	164208	50.344	ug/L	100
69) Naphthalene	13.52	128	465827	51.140	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	165788	49.969	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.186 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

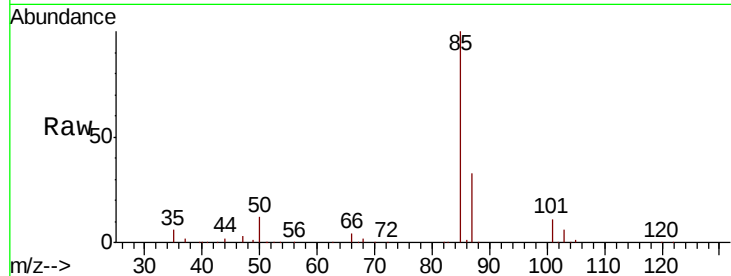
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 141720

Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017430.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV017430.D (-8) (-)

1.14

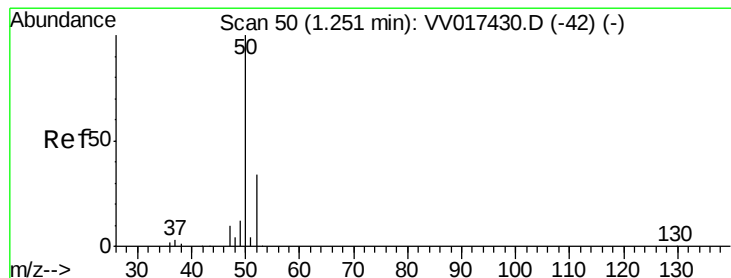
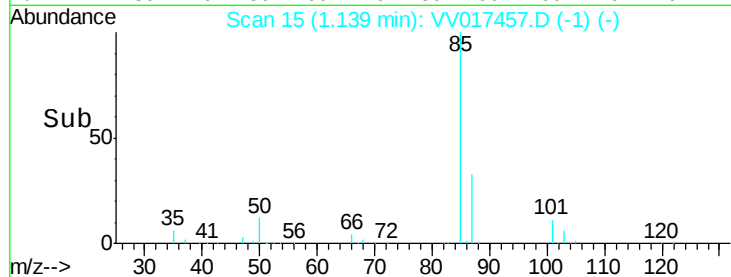
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.301 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017457.D

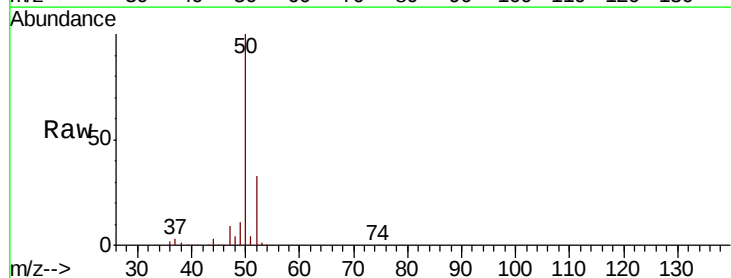
Acq: 13 Jul 2020 09:21

Tgt Ion: 50 Resp: 97778

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV017430.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017430.D (-42) (-)

1.25

100000

80000

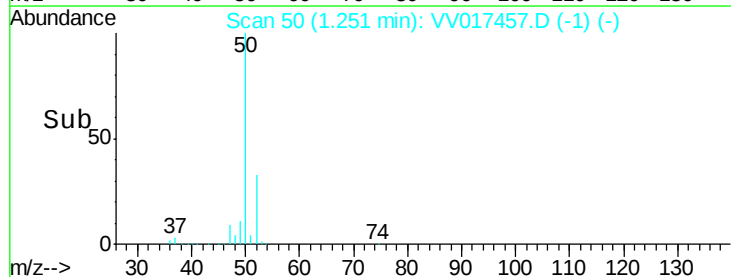
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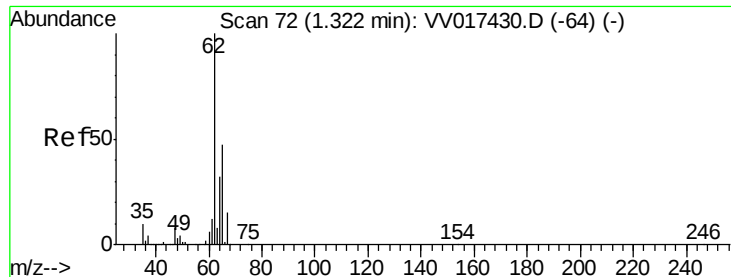
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 44.323 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

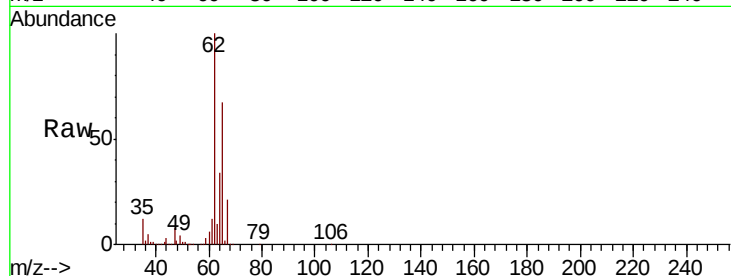
ClientSampled :

Tot Ion: 62 Resp: 101158

Ion Ratio Lower Upper

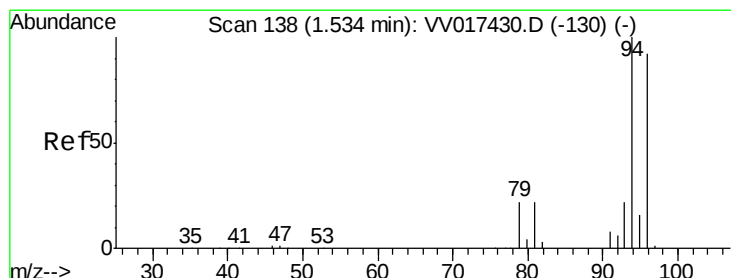
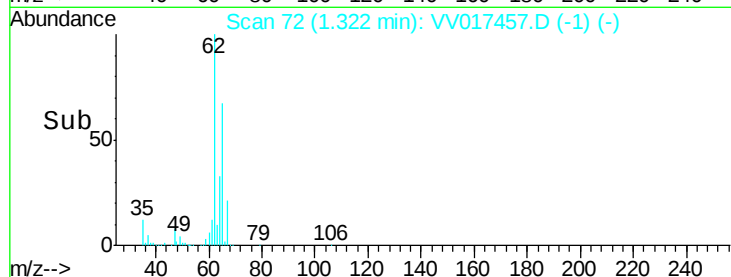
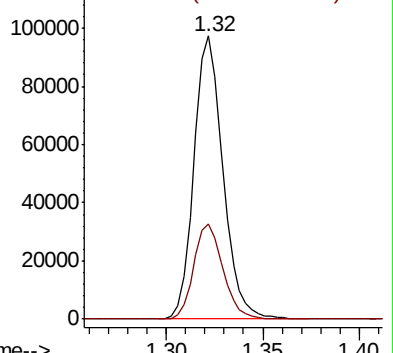
62 100

64 33.5 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.520 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017457.D

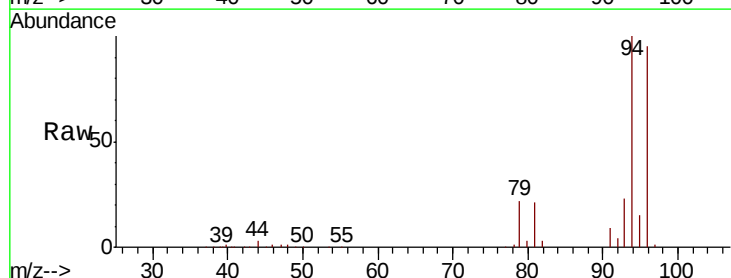
Acq: 13 Jul 2020 09:21

Tgt Ion: 94 Resp: 59685

Ion Ratio Lower Upper

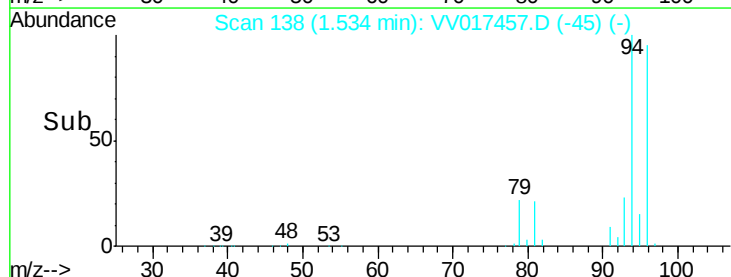
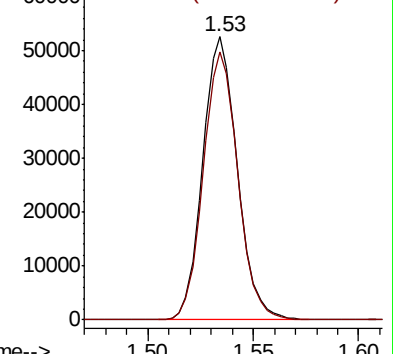
94 100

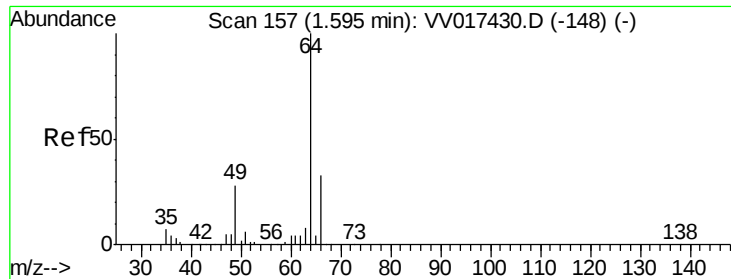
96 94.8 69.0 128.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

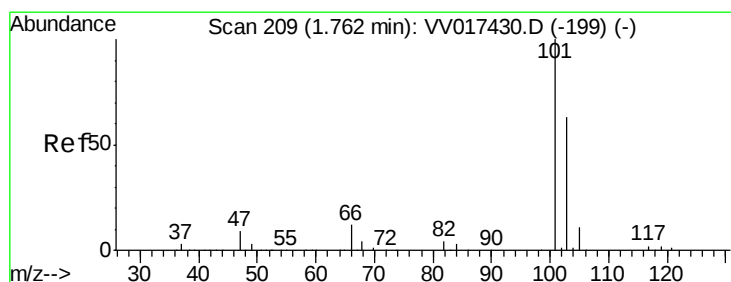
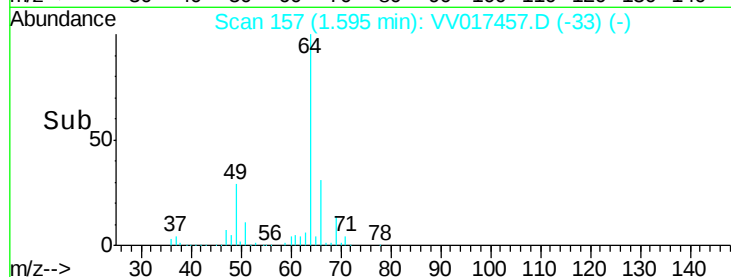
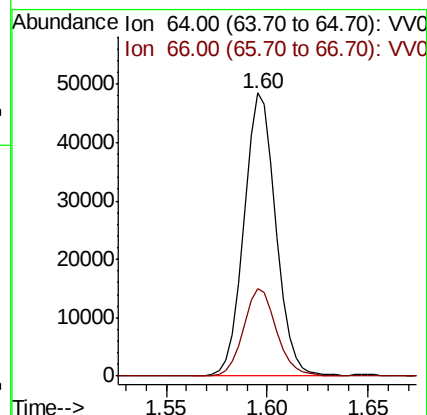
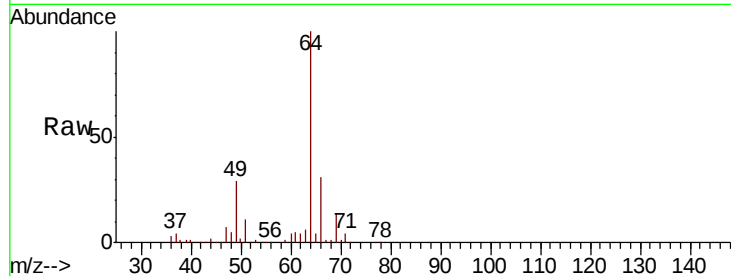




#8
Chloroethane
Concen: 45.513 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

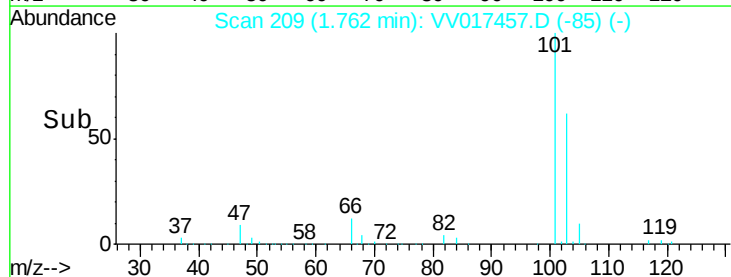
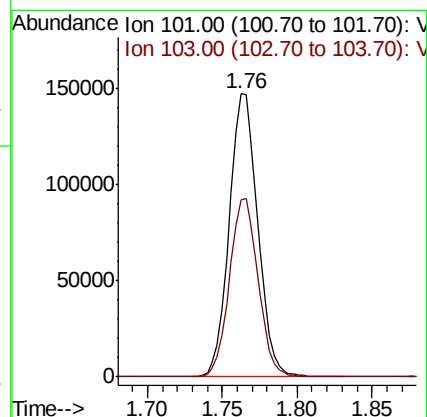
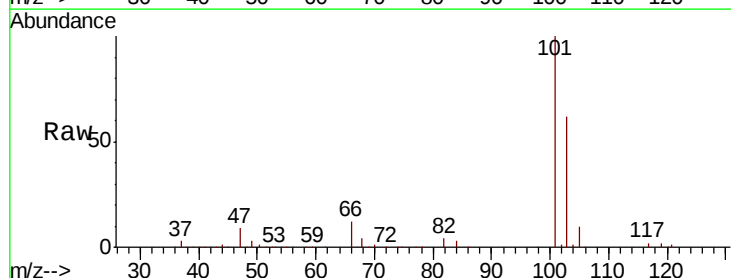
Instrument :
MSVOA_V
ClientSampled :

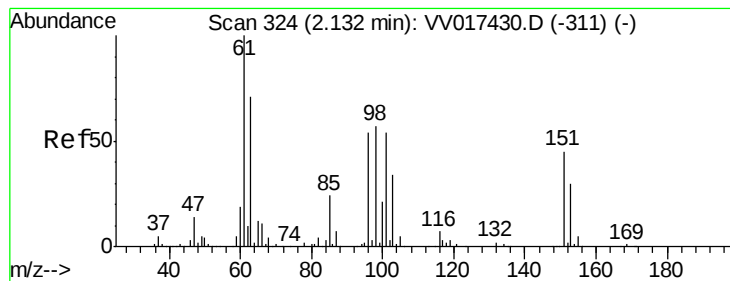
Tot Ion: 64 Resp: 53898
Ion Ratio Lower Upper
64 100
66 31.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 45.744 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Tgt Ion: 101 Resp: 195452
Ion Ratio Lower Upper
101 100
103 63.3 51.9 77.9





#10

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

Concen: 47.274 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

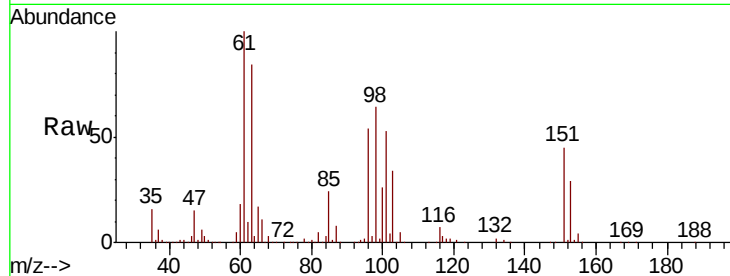
Tot Ion:101 Resp: 93762

Ion Ratio Lower Upper

101 100

85 44.1 36.2 54.4

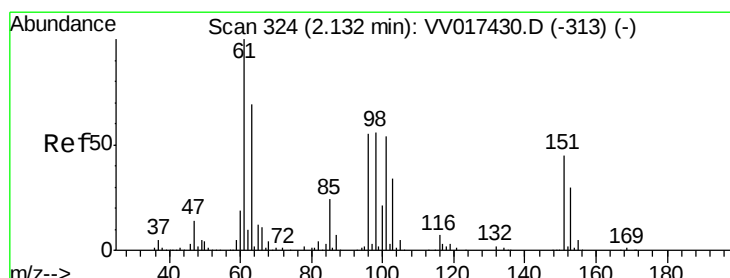
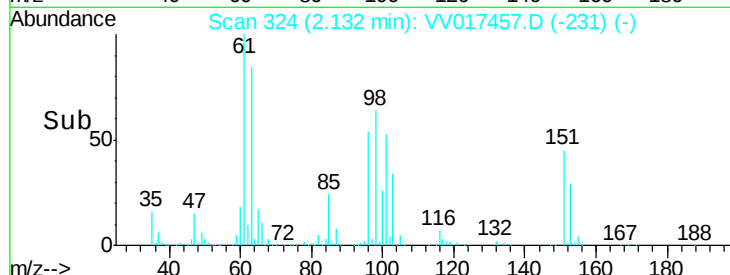
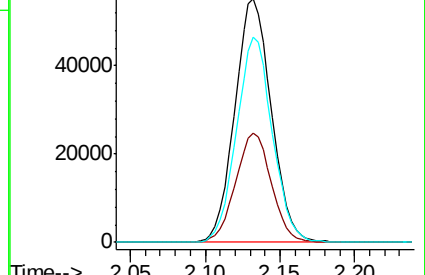
151 82.5 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): VV017430.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017430.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017430.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 45.688 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

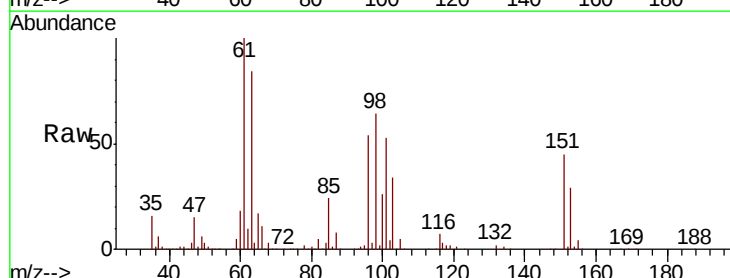
Tgt Ion: 96 Resp: 81961

Ion Ratio Lower Upper

96 100

61 184.3 132.7 246.4

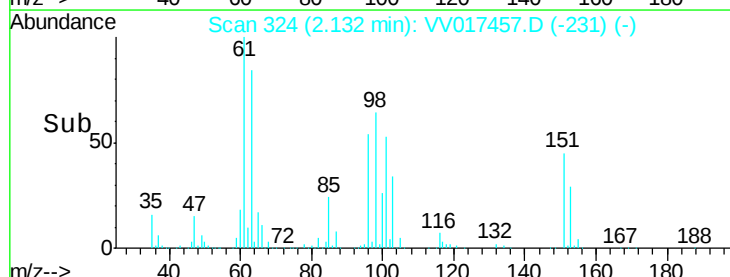
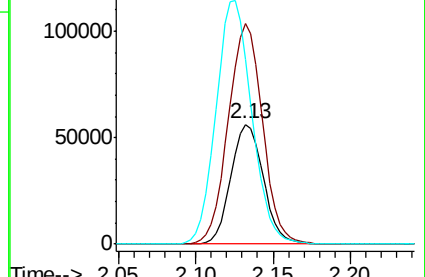
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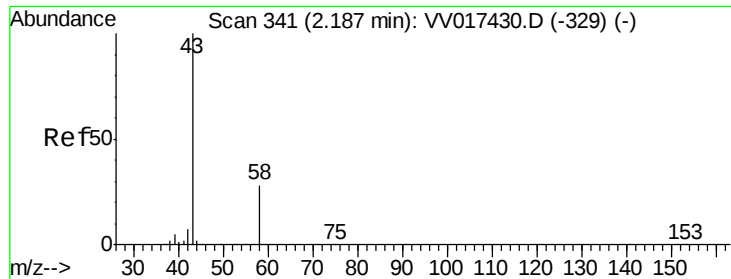


Abundance Ion 96.00 (95.70 to 96.70): VV017430.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV017430.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV017430.D (-313) (-)





#13

Acetone

Concen: 109.362 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

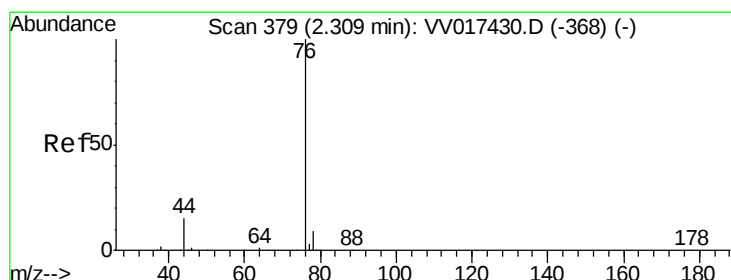
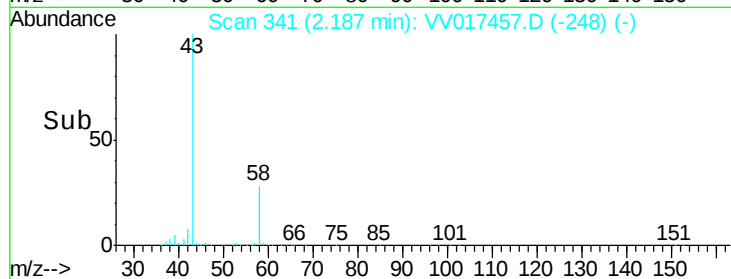
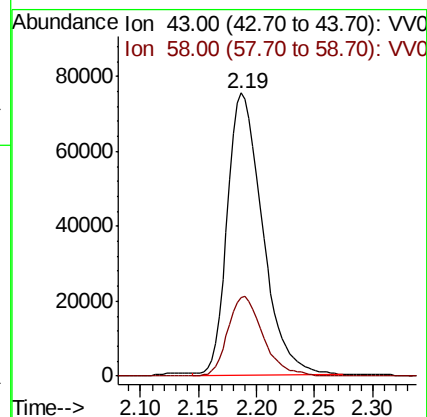
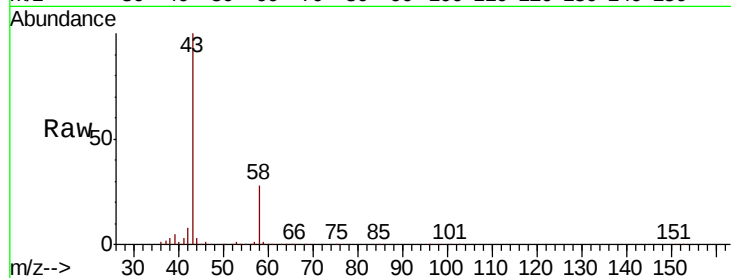
ClientSampleId :

Tot Ion: 43 Resp: 158100

Ion Ratio Lower Upper

43 100

58 28.2 0.0 56.0



#14

Carbon disulfide

Concen: 40.539 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017457.D

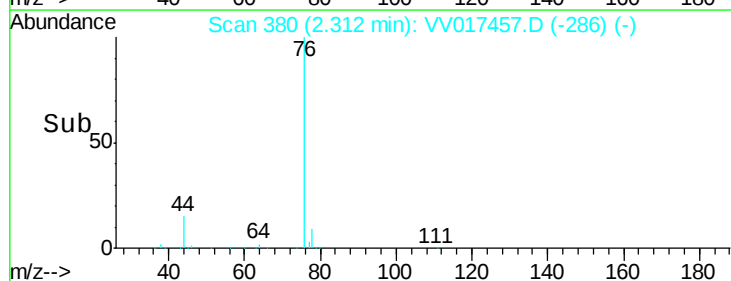
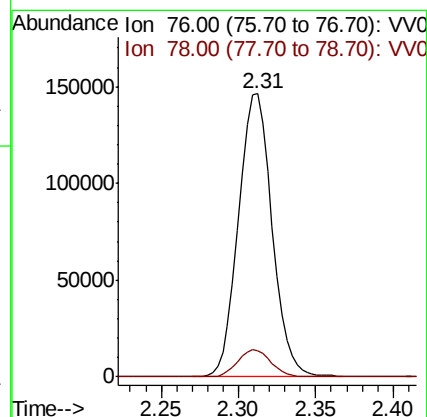
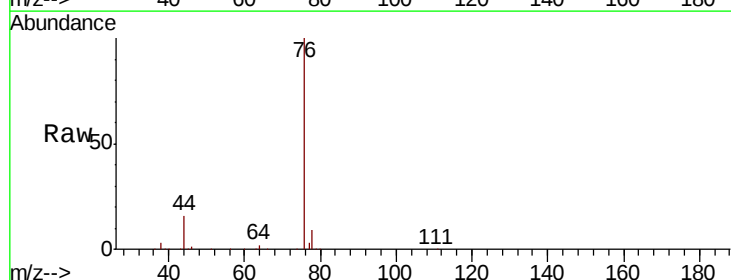
Acq: 13 Jul 2020 09:21

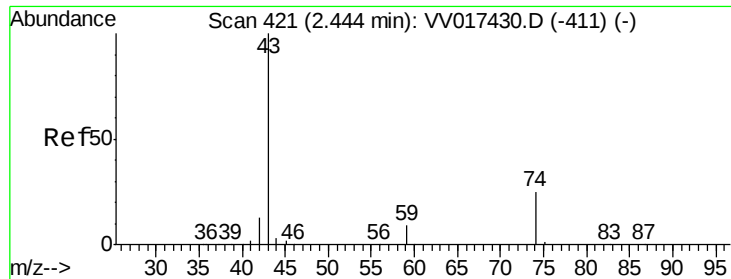
Tgt Ion: 76 Resp: 221342

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

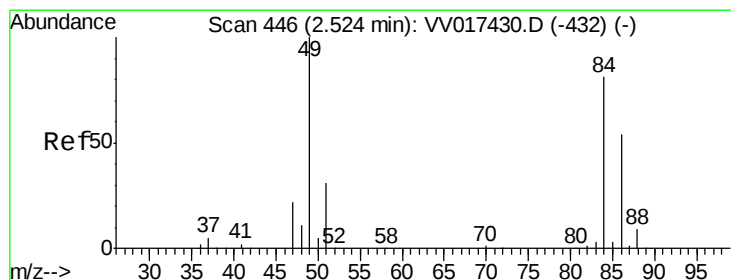
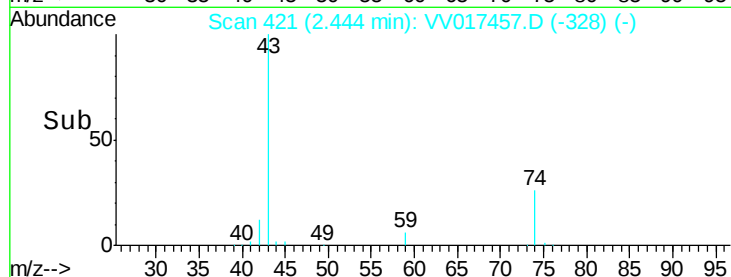
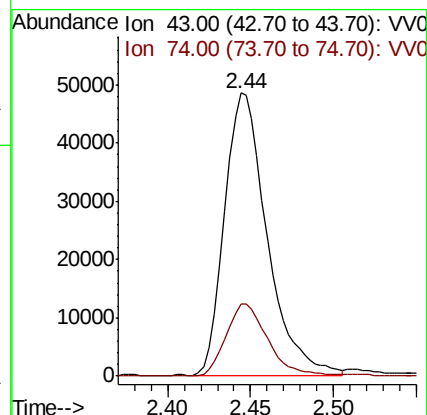
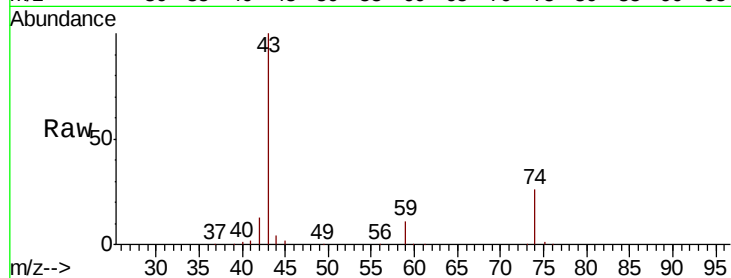




#15
Methyl Acetate
Concen: 44.908 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

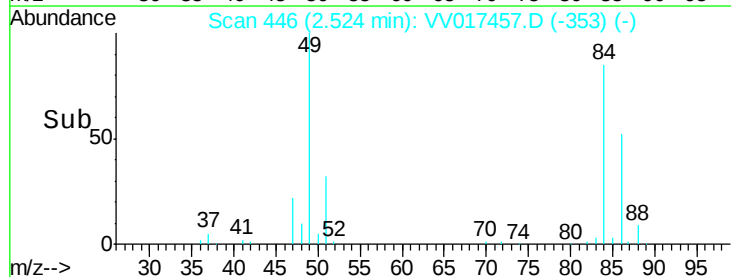
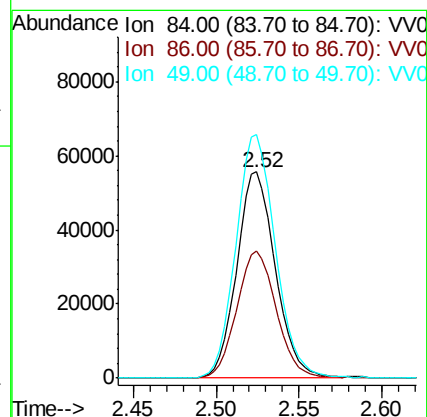
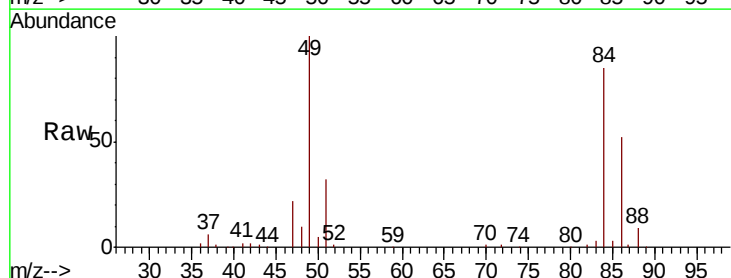
Instrument :
MSVOA_V
ClientSampled :

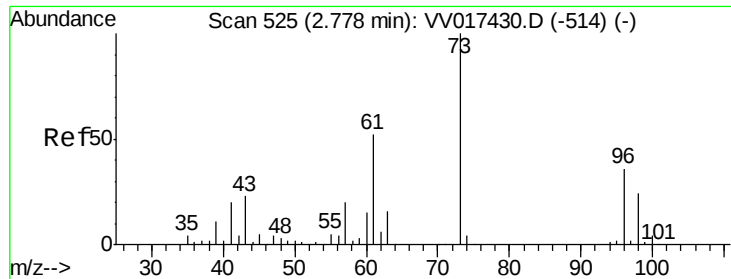
Tot Ion: 43 Resp: 86175
Ion Ratio Lower Upper
43 100
74 25.3 20.2 30.4



#16
Methylene chloride
Concen: 43.281 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Tgt Ion: 84 Resp: 90394
Ion Ratio Lower Upper
84 100
86 61.6 46.5 86.5
49 117.9 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 43.638 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

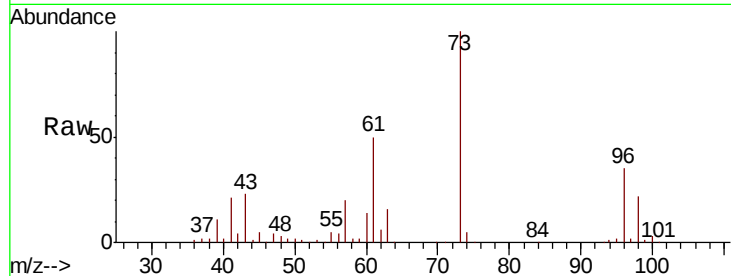
Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 85129

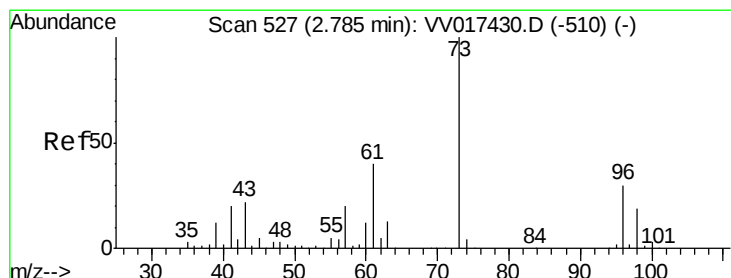
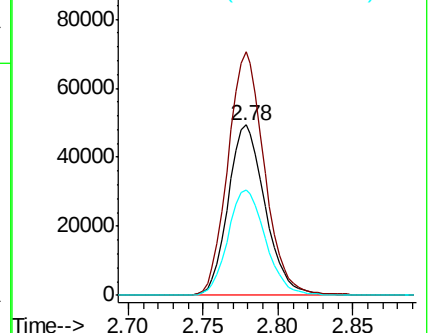
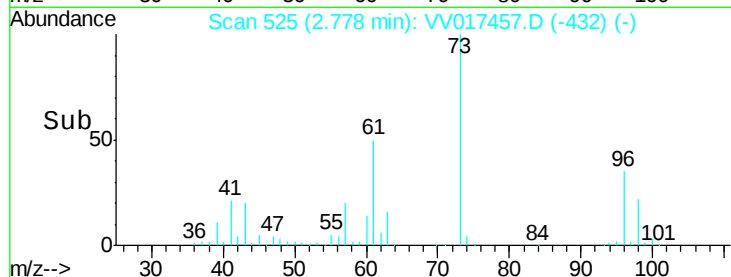
Ion	Ratio	Lower	Upper
96	100		
61	142.9	99.0	184.0
98	61.8	44.4	82.5



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: 47.606 ug/L

RT: 2.78 min Scan# 526

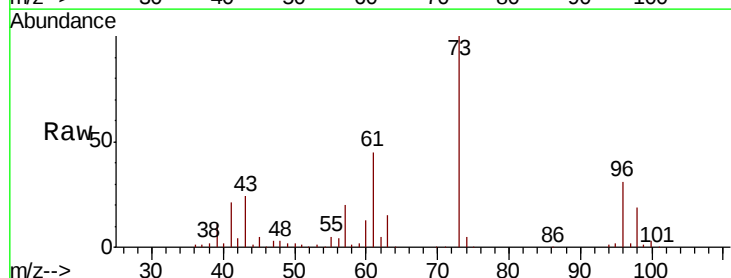
Delta R.T. -0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Tgt Ion: 73 Resp: 309834

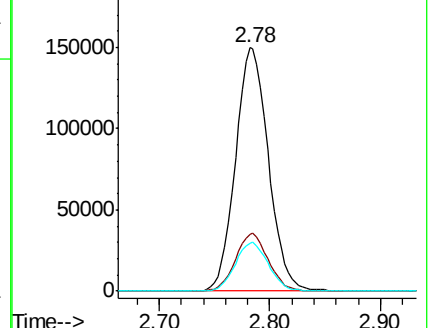
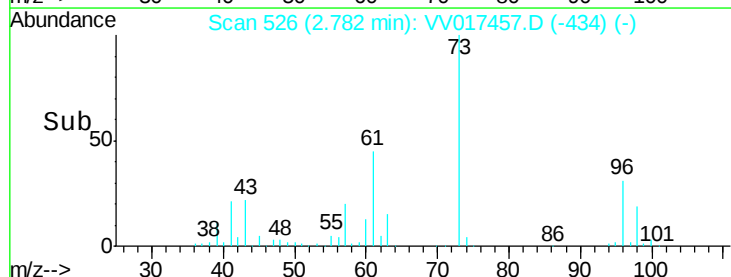
Ion	Ratio	Lower	Upper
73	100		
43	23.2	18.2	27.2
57	20.3	16.2	24.4

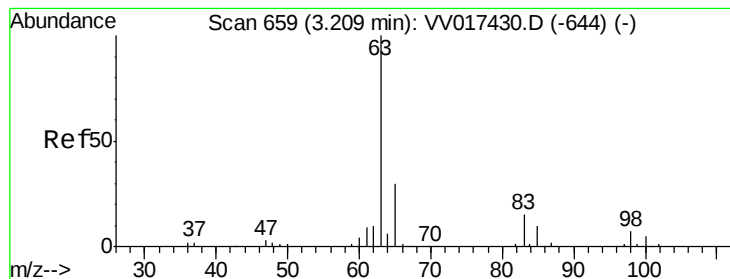


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 45.149 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

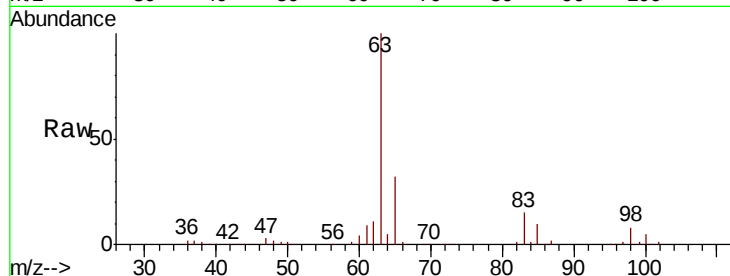
Tot Ion: 63 Resp: 161957

Ion Ratio Lower Upper

63 100

65 31.7 22.1 41.1

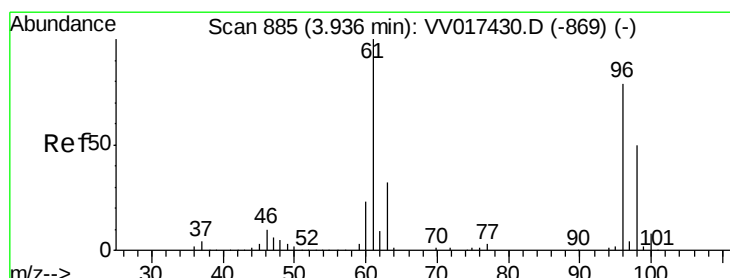
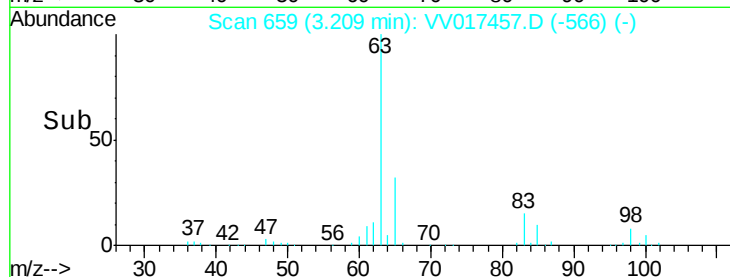
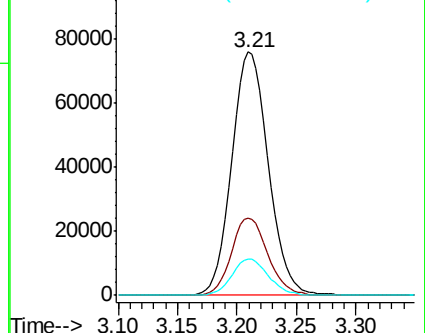
83 15.2 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 44.879 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

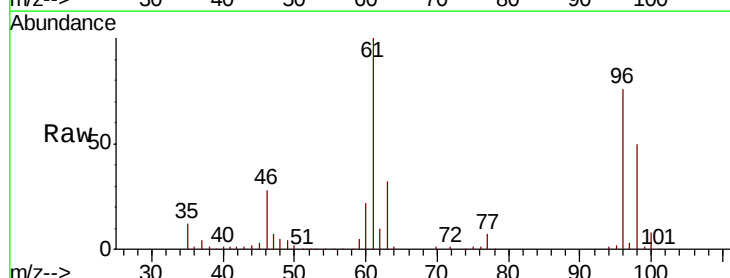
Tgt Ion: 96 Resp: 93807

Ion Ratio Lower Upper

96 100

61 132.2 88.9 165.1

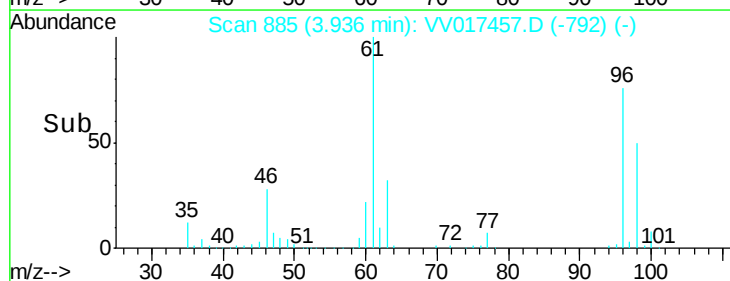
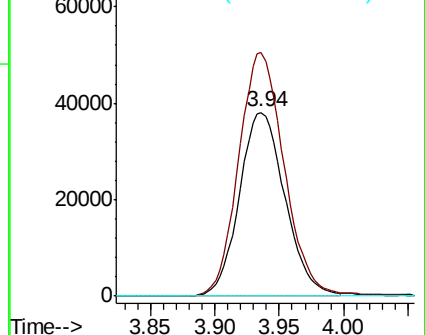
68 0.0 0.0 0.0

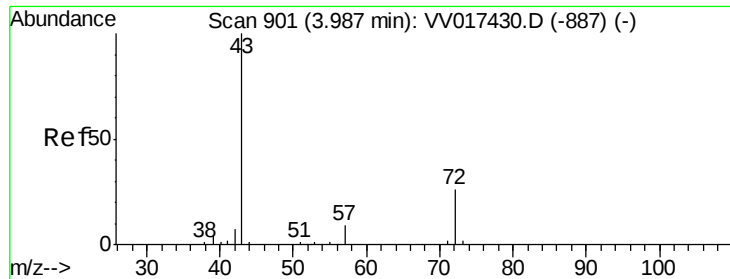


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 104.635 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

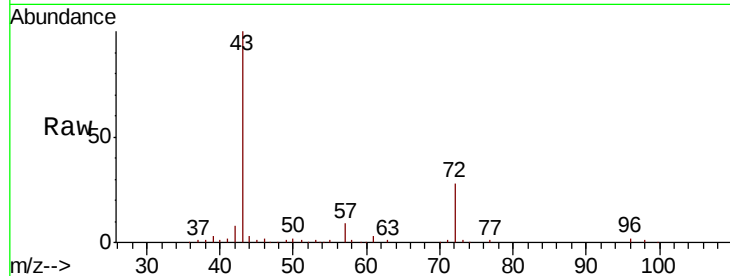
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 147862

Ion Ratio Lower Upper

43 100

72 26.2 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VV017457.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV017457.D (-808) (-)

60000

50000

40000

30000

20000

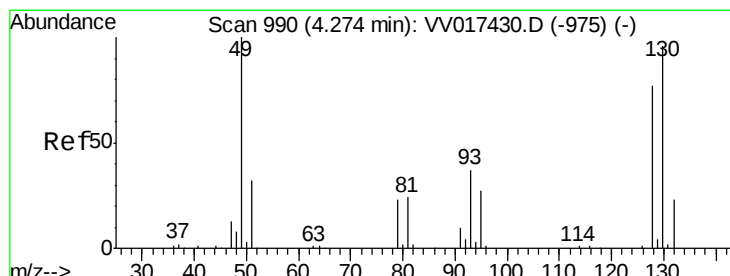
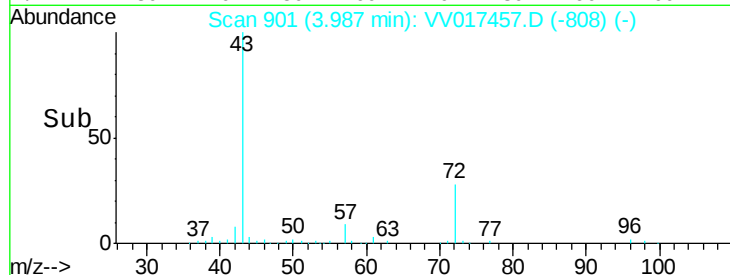
10000

0

Time-->

3.90 4.00 4.10

3.99



#23

Bromochloromethane

Concen: 45.985 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Tgt Ion:128 Resp: 53483

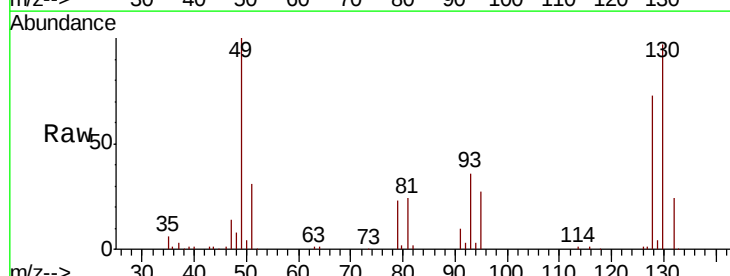
Ion Ratio Lower Upper

128 100

49 136.1 96.7 179.5

130 132.3 88.3 164.1

51 42.3 36.1 54.1



Abundance Ion 128.00 (127.70 to 128.70): VV017457.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017457.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017457.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017457.D (-897) (-)

40000

30000

20000

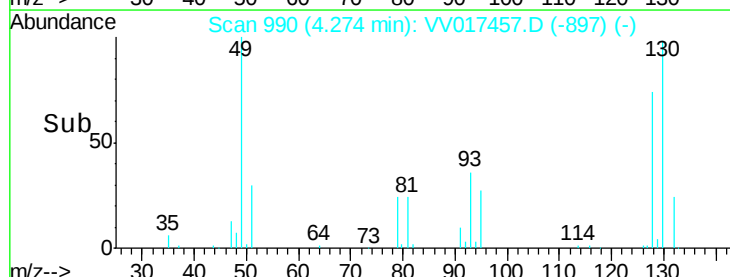
10000

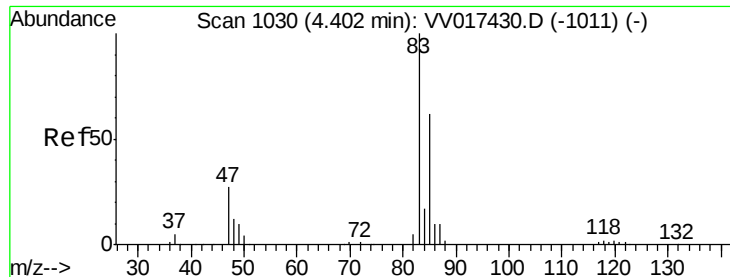
0

Time-->

4.20 4.25 4.30 4.35

4.27

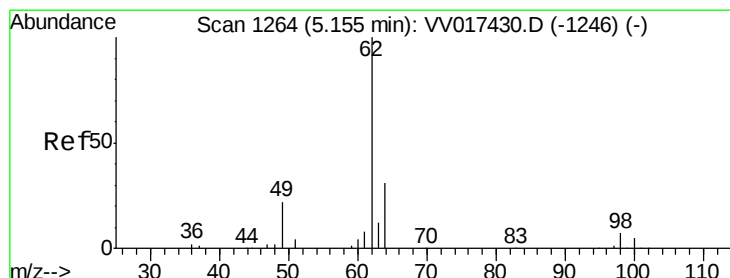
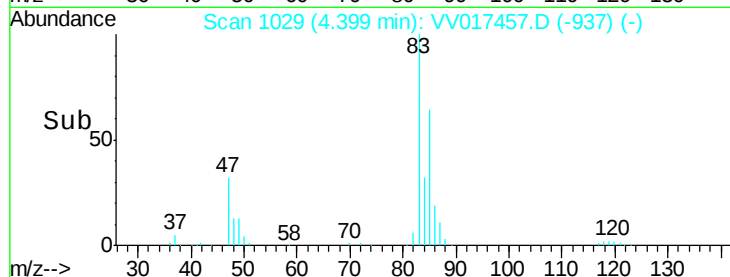
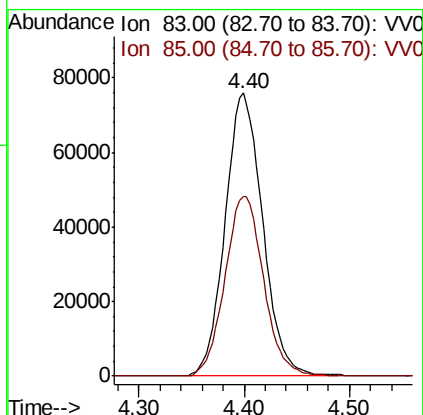
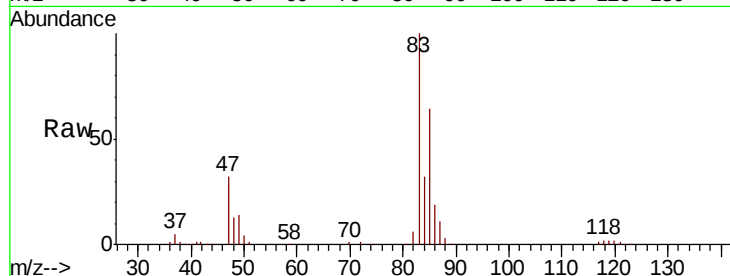




#25
Chloroform
Concen: 46.532 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

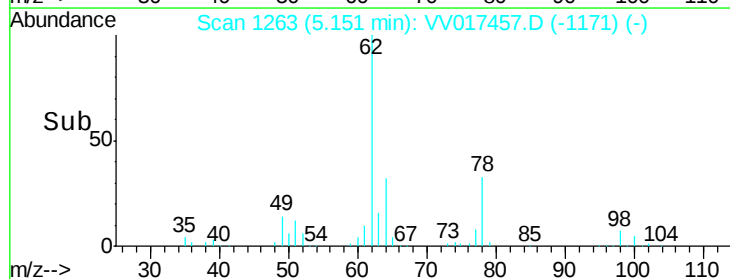
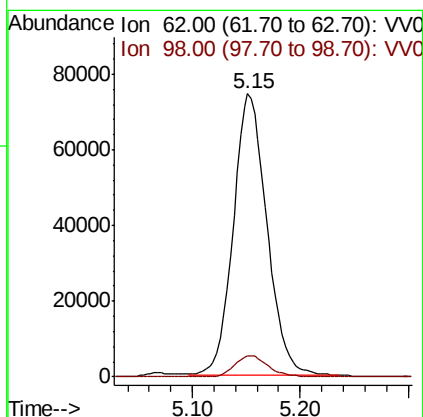
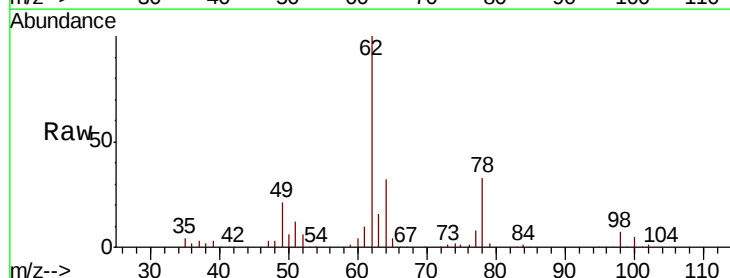
Instrument :
MSVOA_V
ClientSampleId :

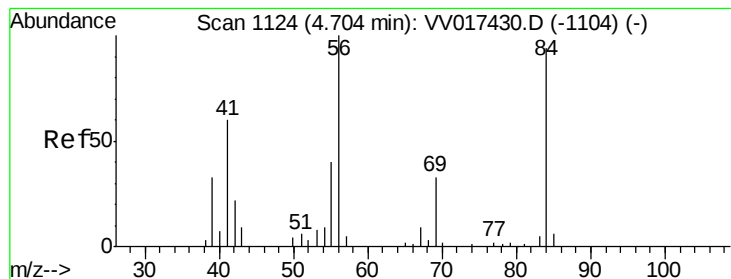
Tot Ion: 83 Resp: 187352
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 45.621 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Tgt Ion: 62 Resp: 161457
Ion Ratio Lower Upper
62 100
98 7.4 6.4 9.6





#29

Cyclohexane

Concen: 44.104 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

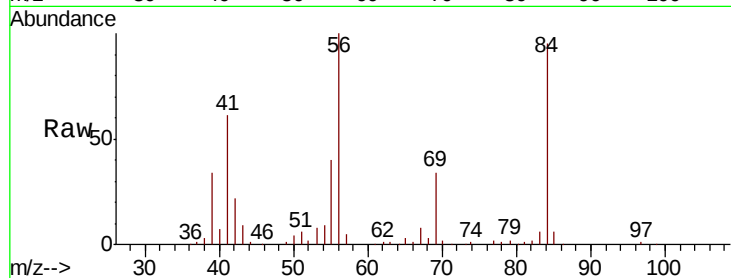
Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 132173

Ion	Ratio	Lower	Upper
56	100		
69	33.5	27.0	40.4
84	96.5	77.4	116.0

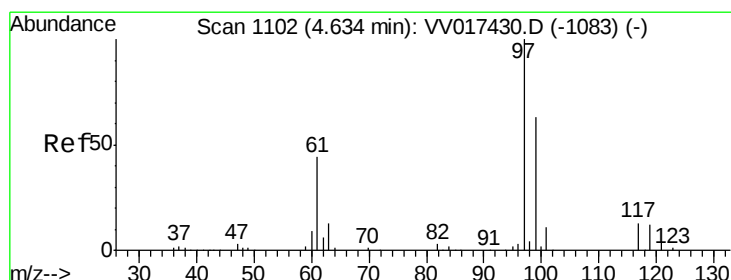
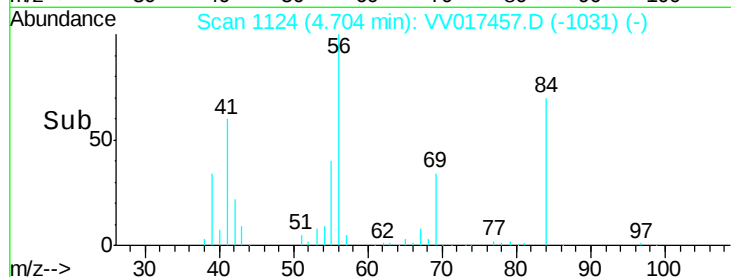
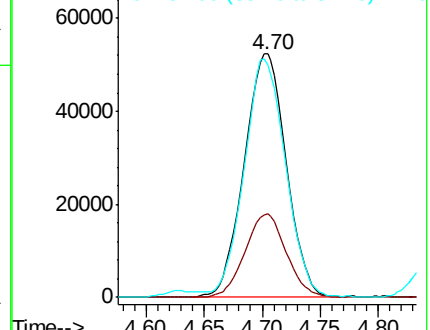


Abundance

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: 46.916 ug/L

RT: 4.63 min Scan# 1101

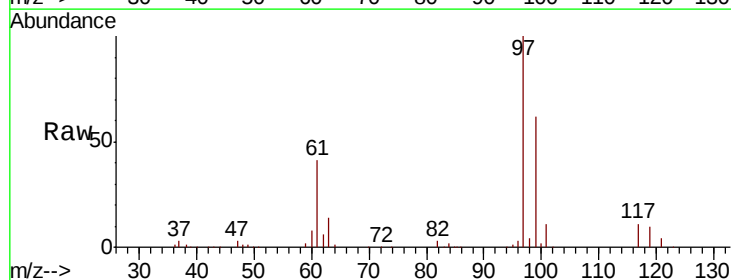
Delta R.T. -0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Tgt Ion: 97 Resp: 185404

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	42.7	34.1	51.1

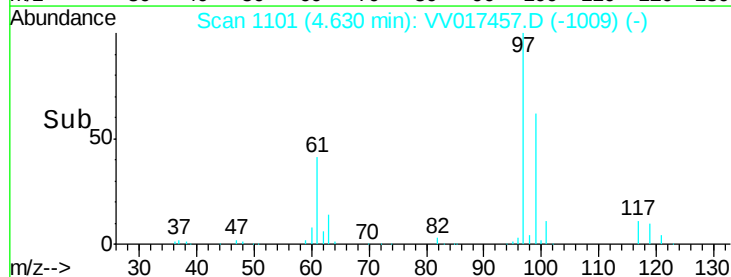
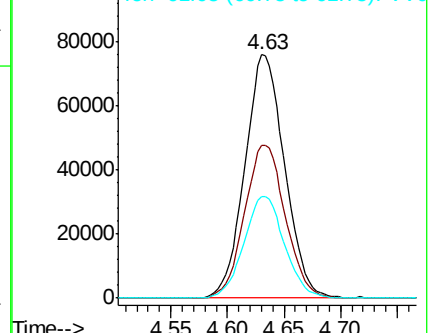


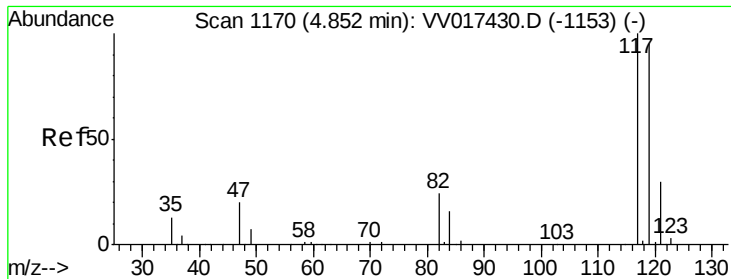
Abundance

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: 47.591 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

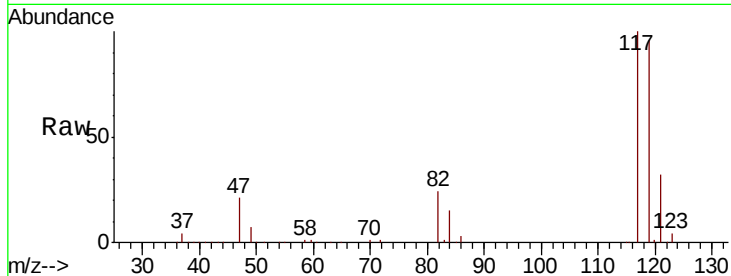
ClientSampleId :

Tot Ion:117 Resp: 172145

Ion Ratio Lower Upper

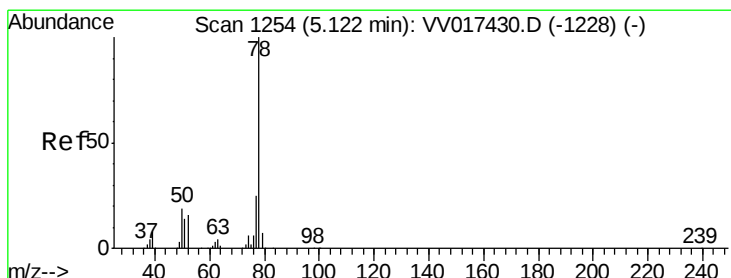
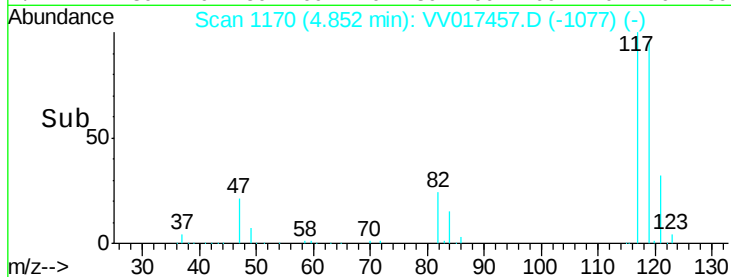
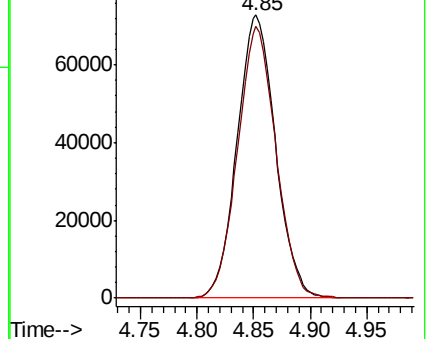
117 100

119 95.9 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.977 ug/L

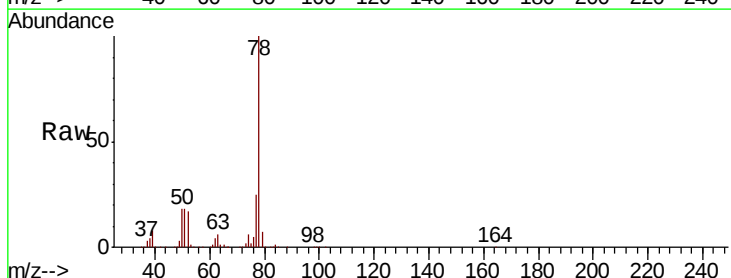
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

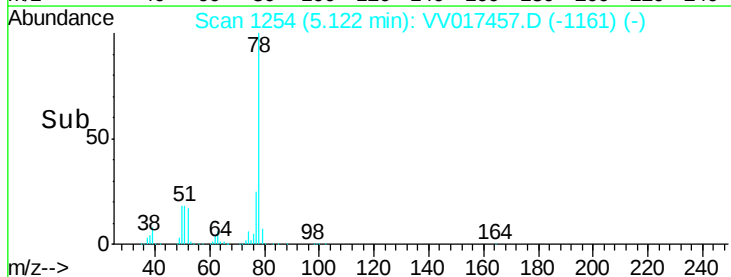
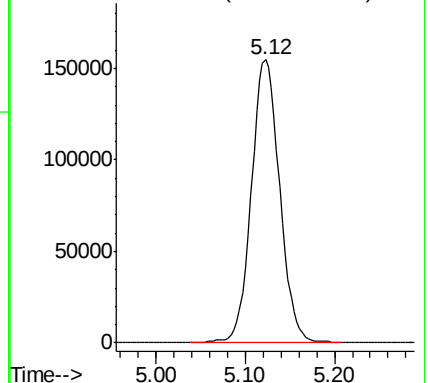
Lab File: VV017457.D

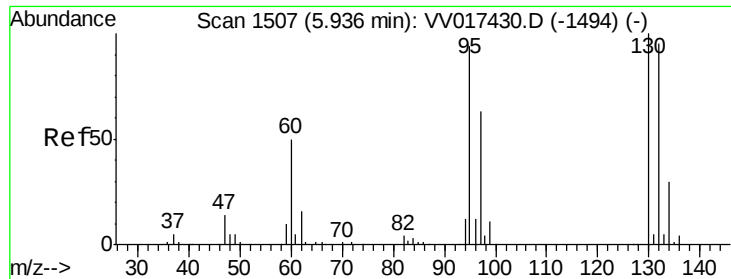
Acq: 13 Jul 2020 09:21

Tgt Ion: 78 Resp: 341668



Abundance Ion 78.00 (77.70 to 78.70): VV0

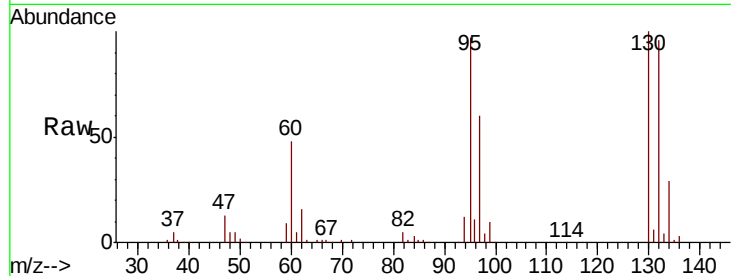




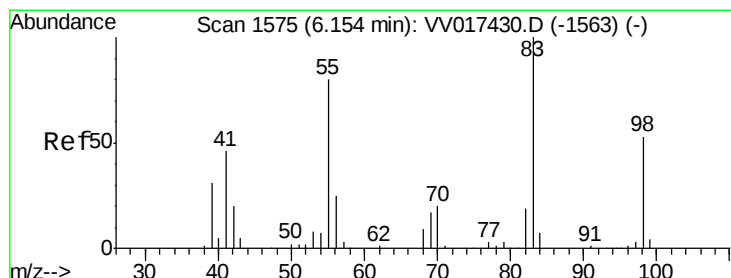
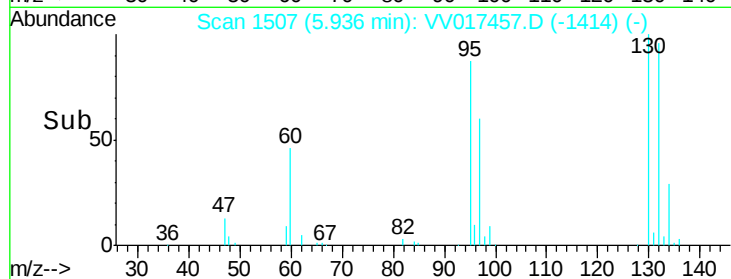
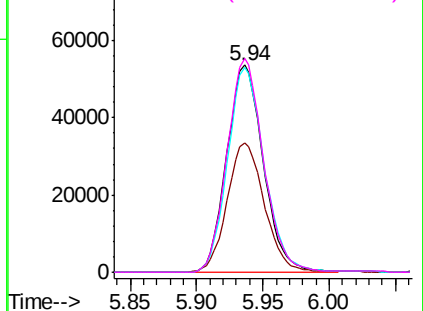
#34
 Trichloroethene
 Concen: 45.688 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 103043
 Ion Ratio Lower Upper
 95 100
 97 62.3 45.6 84.6
 132 98.6 74.1 137.5
 130 103.0 75.5 140.3

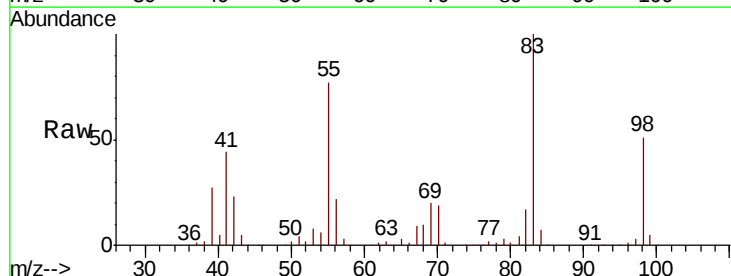


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

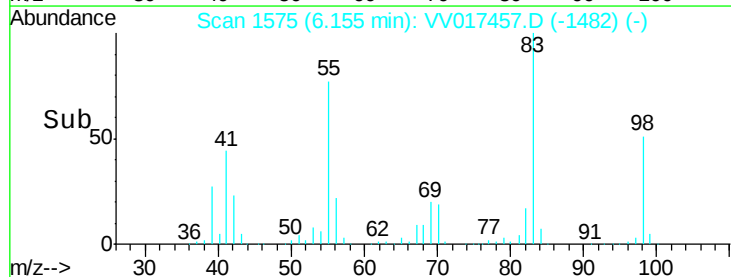
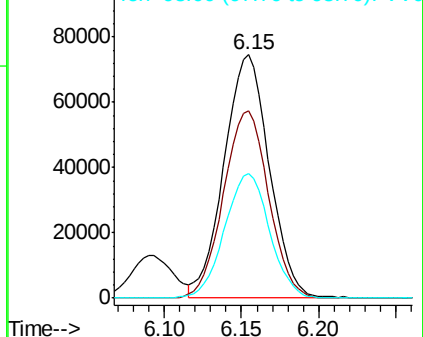


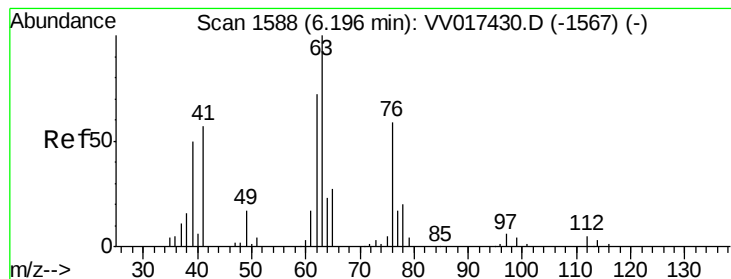
#35
 Methylcyclohexane
 Concen: 45.605 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

Tgt Ion: 83 Resp: 150618
 Ion Ratio Lower Upper
 83 100
 55 76.6 61.0 91.6
 98 50.5 41.3 61.9



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: 46.124 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

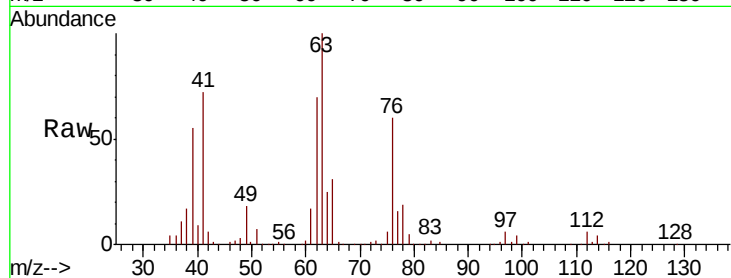
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 85698

Ion Ratio Lower Upper

63 100

112 5.6 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VV017430.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VV017430.D (-1567) (-)

50000

40000

30000

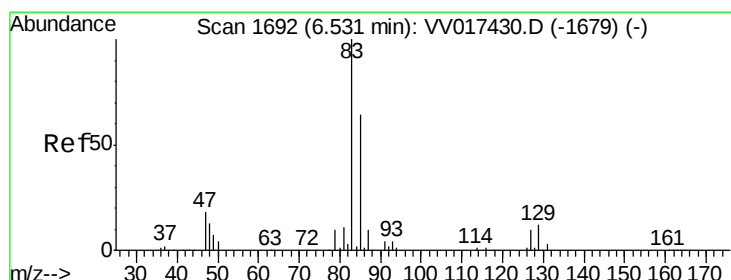
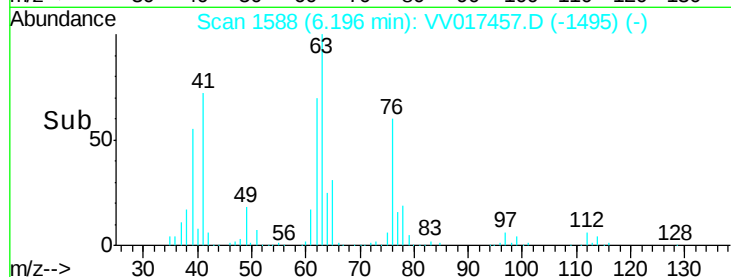
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 46.948 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

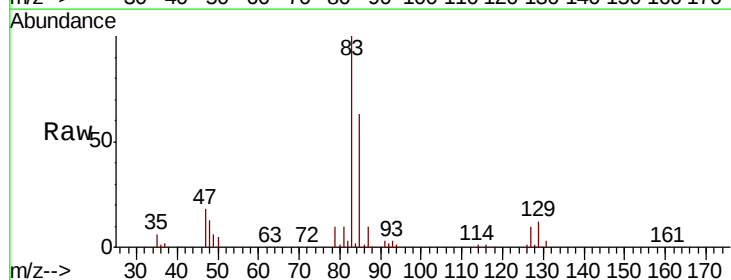
Tgt Ion: 83 Resp: 142036

Ion Ratio Lower Upper

83 100

85 62.6 44.6 82.8

127 9.6 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV017430.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV017430.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV017430.D (-1679) (-)

100000

80000

60000

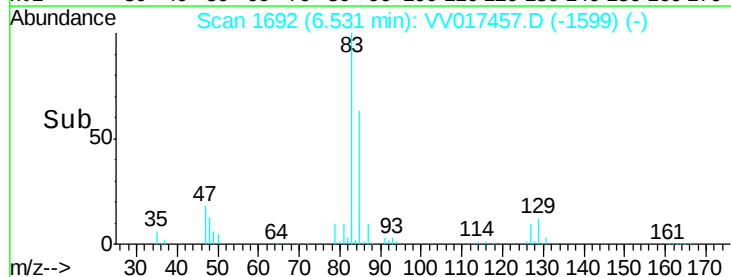
40000

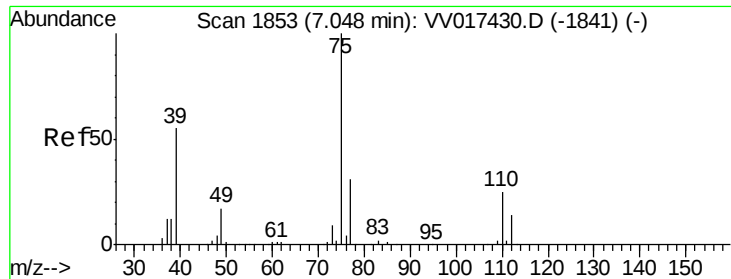
20000

0

6.45 6.50 6.55 6.60

Time-->

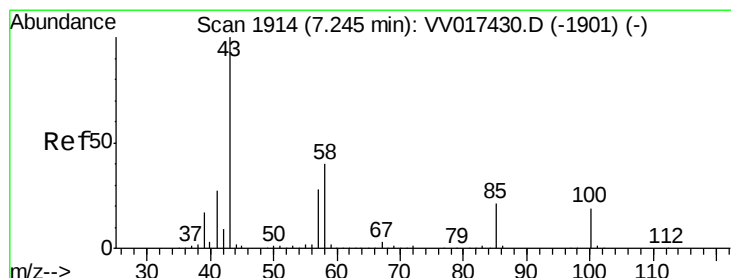
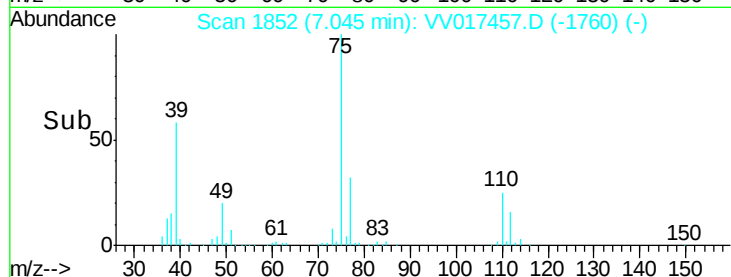
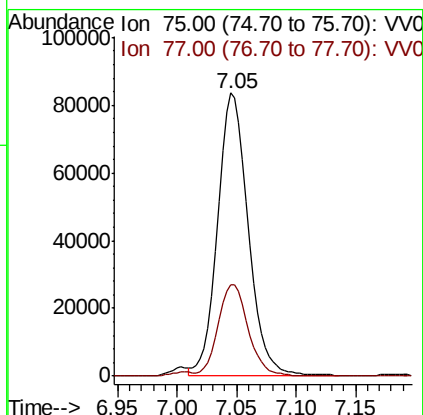
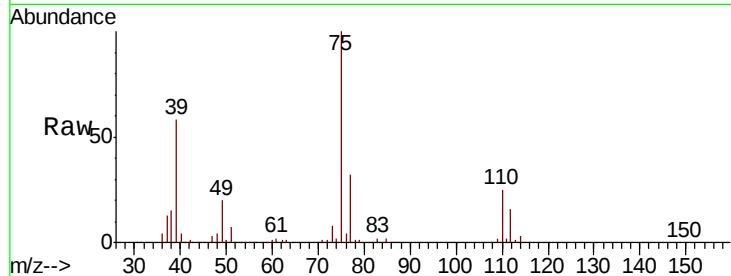




#39
 cis-1,3-Dichloropropene
 Concen: 46.982 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

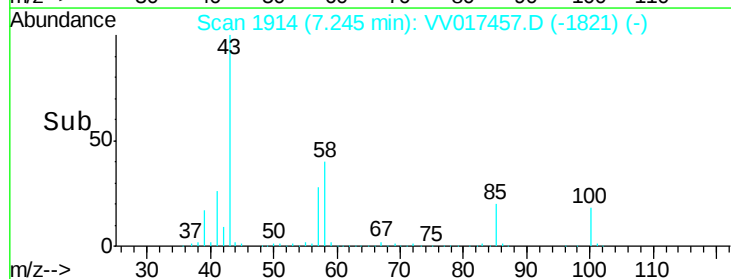
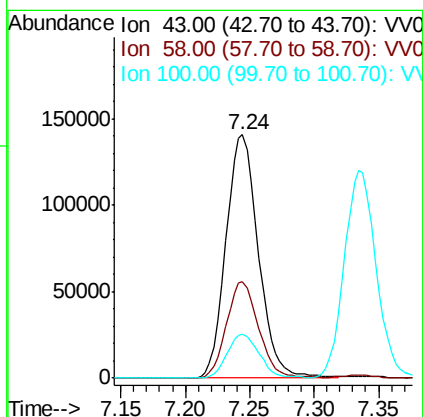
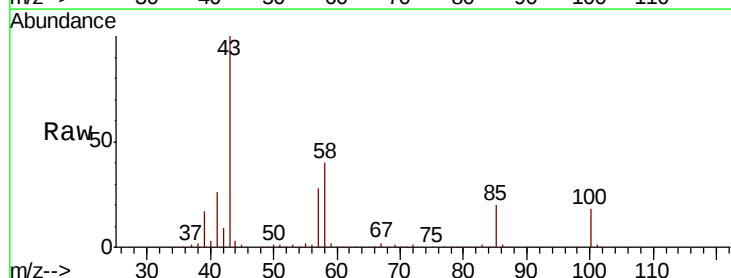
Instrument :
 MSVOA_V
 ClientSampleId :

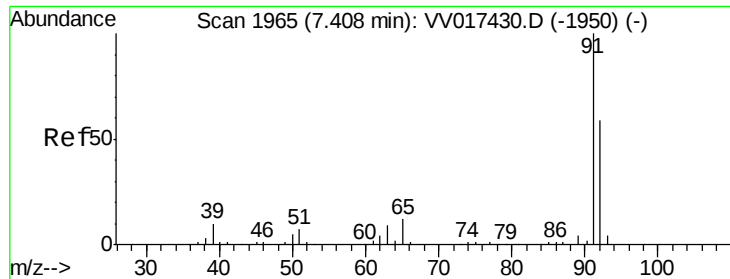
Tot Ion: 75 Resp: 148763
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 95.828 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

Tgt Ion: 43 Resp: 246196
 Ion Ratio Lower Upper
 43 100
 58 38.9 32.2 48.4
 100 18.1 14.1 21.1





#42

Toluene

Concen: 45.645 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

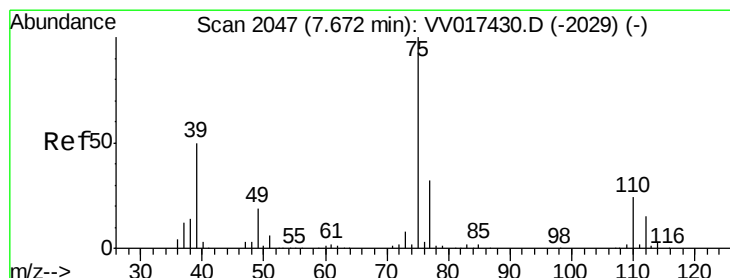
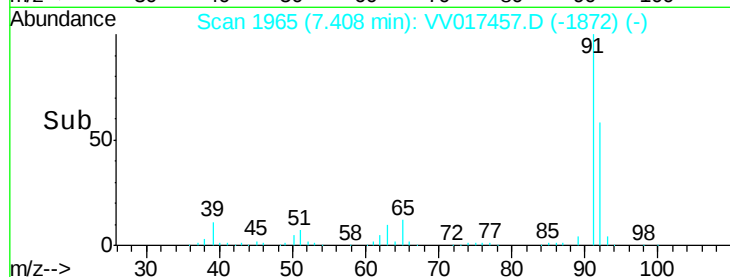
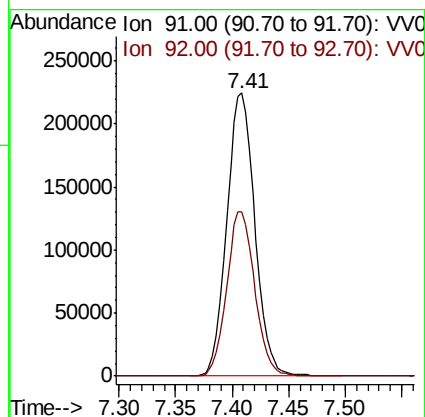
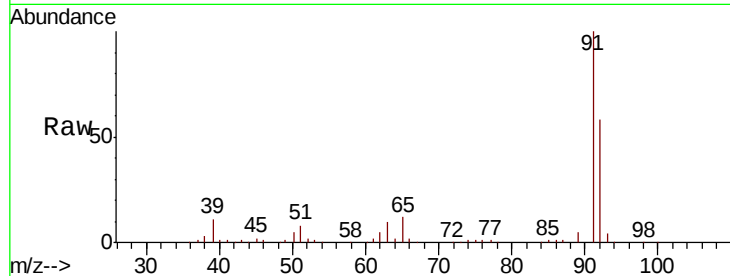
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 387565

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 48.676 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017457.D

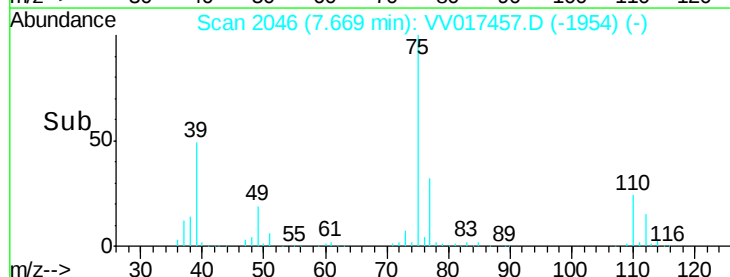
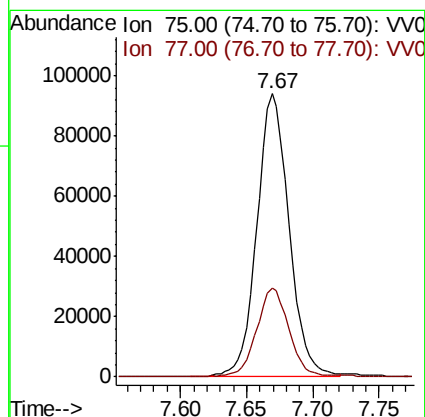
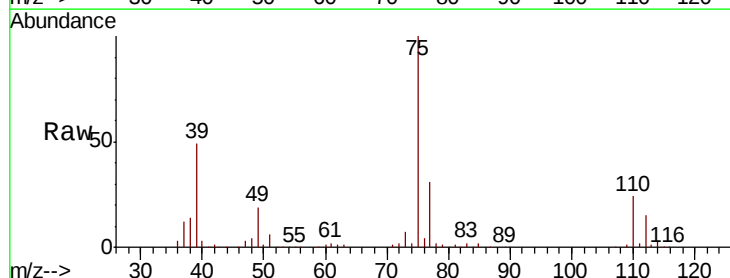
Acq: 13 Jul 2020 09:21

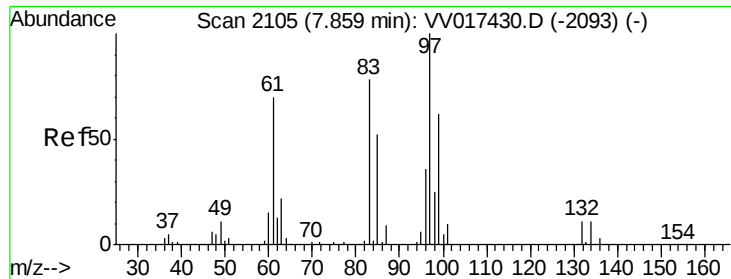
Tgt Ion: 75 Resp: 159410

Ion Ratio Lower Upper

75 100

77 31.5 21.3 39.5

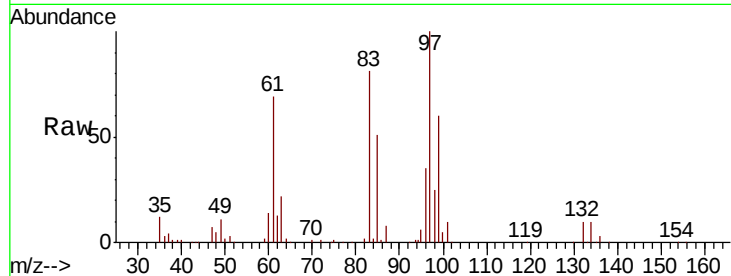




#45
1,1,2-Trichloroethane
Concen: 46.236 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

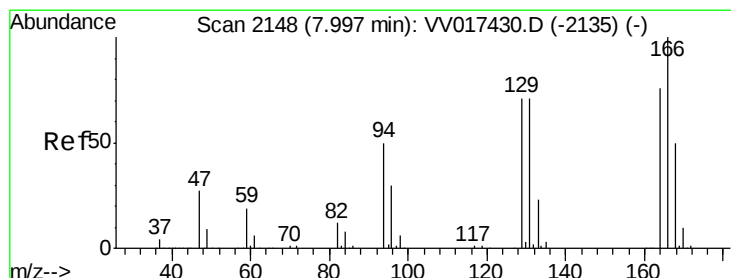
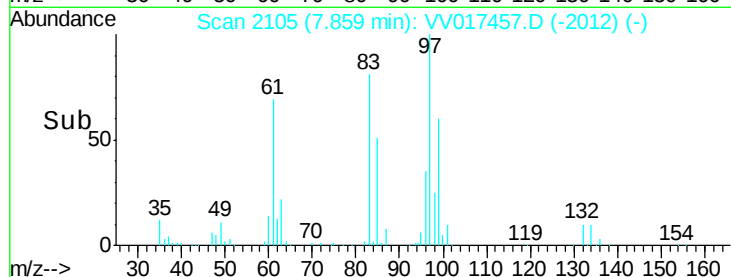
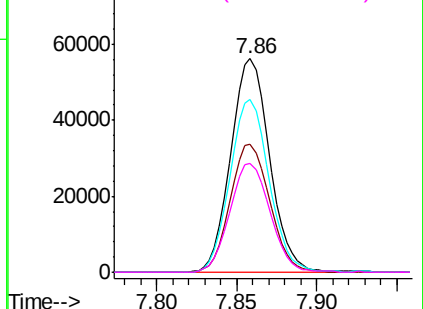
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	93209
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.6	82.8
83	80.7	60.1	111.7
85	51.2	39.0	72.4



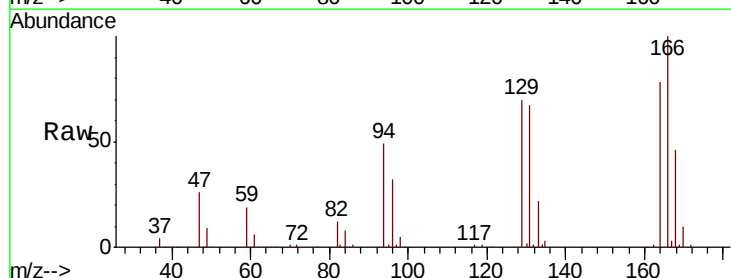
Abundance

Ion 97.00 (96.70 to 97.70): VV017457.D (-2012) (-)



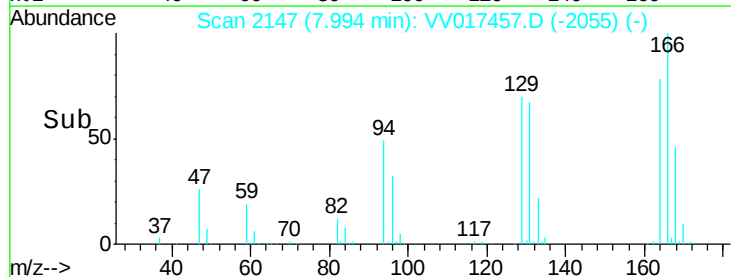
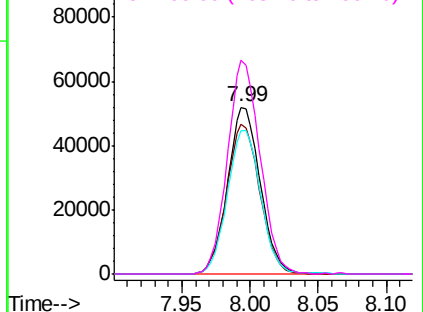
#46
Tetrachloroethene
Concen: 45.738 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

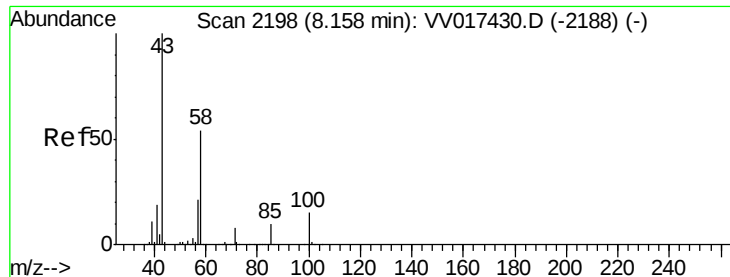
Tgt Ion:	164	Resp:	86617
Ion	Ratio	Lower	Upper
164	100		
129	89.6	66.6	123.8
131	85.9	65.5	121.7
166	128.1	93.9	174.5



Abundance

Ion 164.00 (163.70 to 164.70): VV017457.D (-2055) (-)

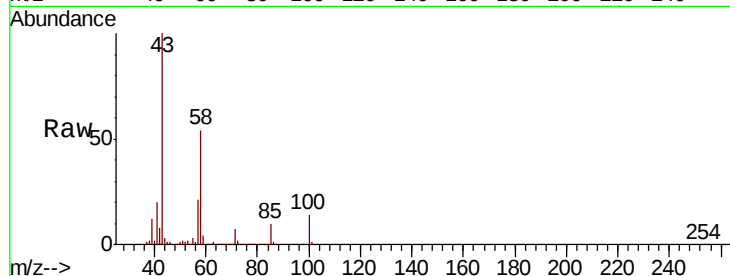




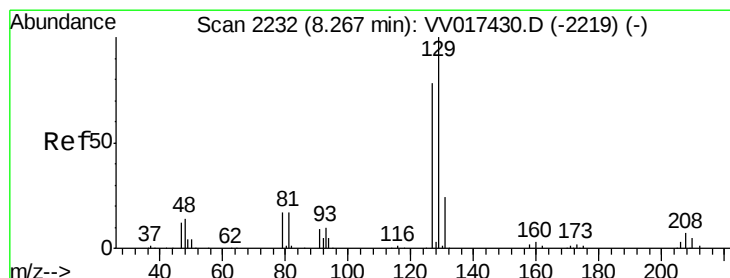
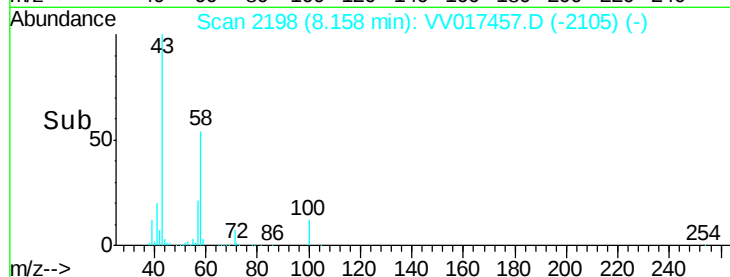
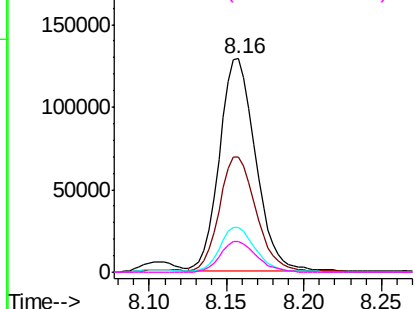
#48
2-Hexanone
Concen: 100.167 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 208328
Ion Ratio Lower Upper
43 100
58 56.1 42.6 64.0
57 20.5 16.2 24.4
100 14.5 10.9 16.3

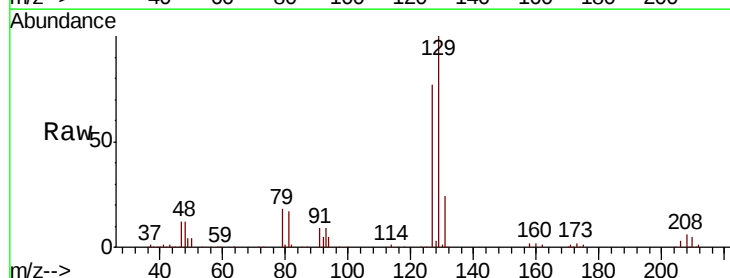


Abundance Ion 43.00 (42.70 to 43.70): VV017457.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017457.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017457.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017457.D (-2105) (-)

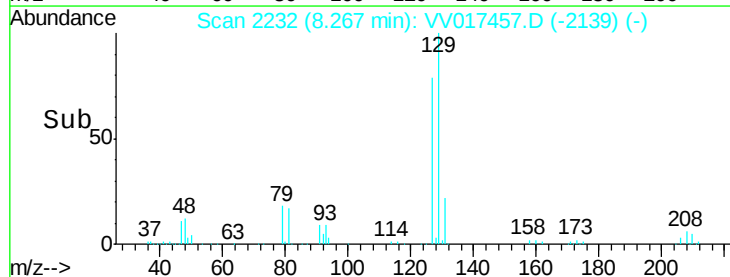
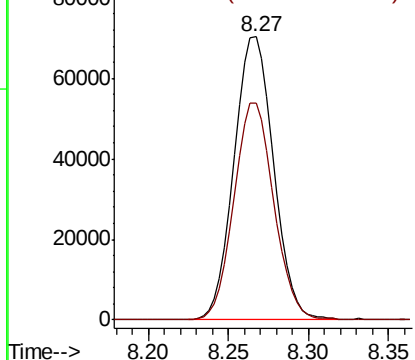


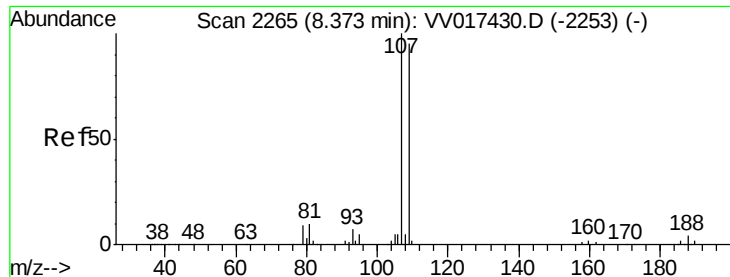
#49
Dibromochloromethane
Concen: 47.177 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Tgt Ion: 129 Resp: 118644
Ion Ratio Lower Upper
129 100
127 76.8 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV017457.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017457.D (-2139) (-)

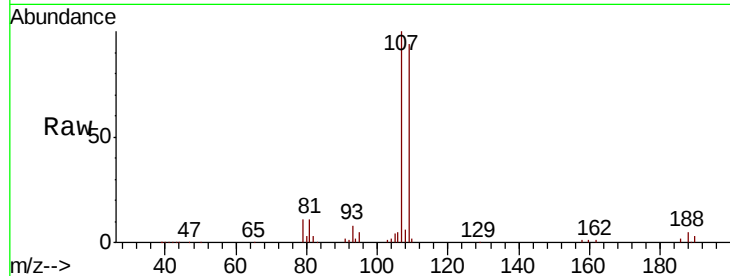




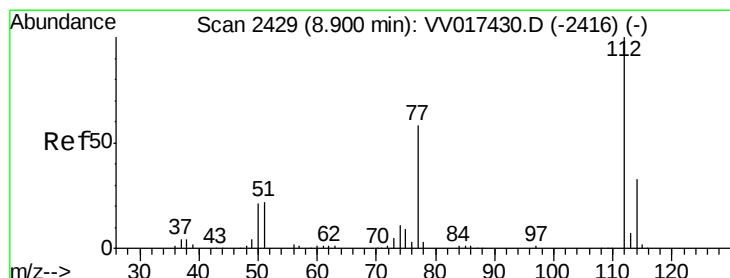
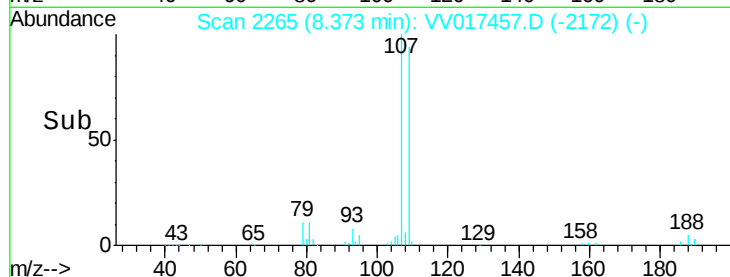
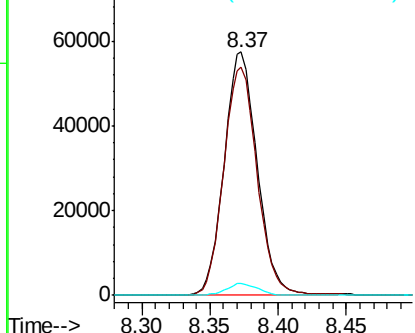
#50
1,2-Dibromoethane
Concen: 44.821 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	67.3	125.1
188	4.8	3.5	5.3

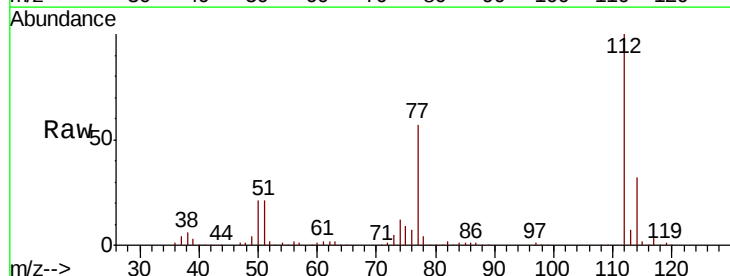


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

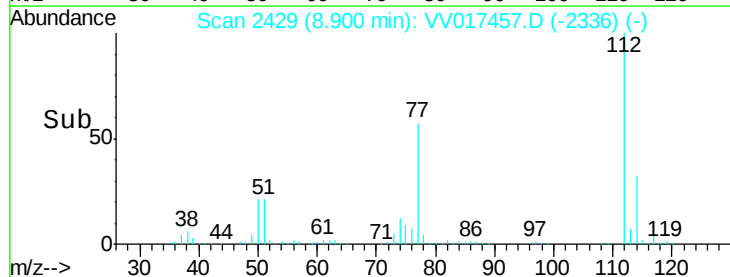
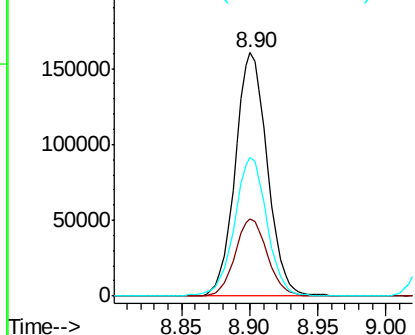


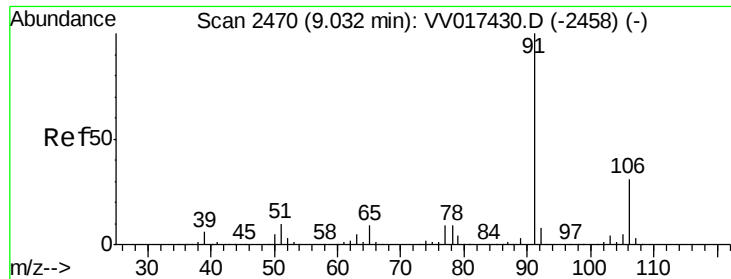
#51
Chlorobenzene
Concen: 45.400 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017457.D
Acq: 13 Jul 2020 09:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.1
77	57.2	46.7	70.1



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: 46.220 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

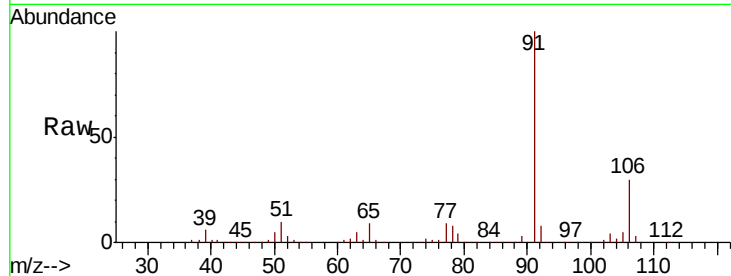
ClientSampleId :

Tot Ion: 91 Resp: 448878

Ion Ratio Lower Upper

91 100

106 30.0 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV017430.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV017430.D (-2458) (-)

9.03

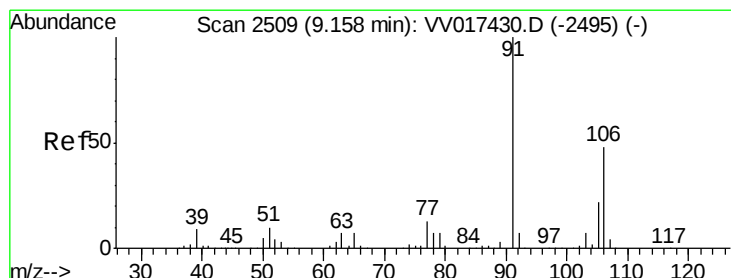
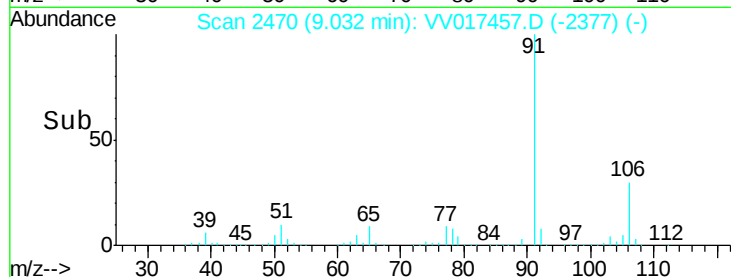
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 46.496 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017457.D

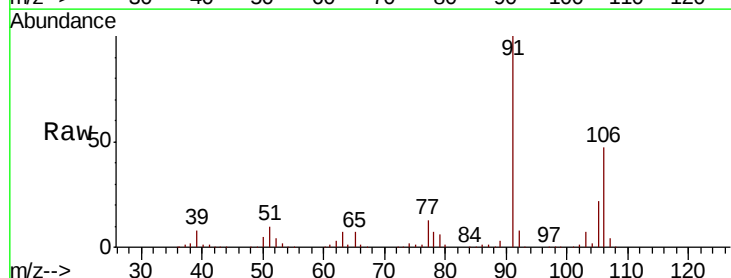
Acq: 13 Jul 2020 09:21

Tgt Ion: 106 Resp: 169058

Ion Ratio Lower Upper

106 100

91 213.4 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV017430.D (-2495) (-)

Ion 91.00 (90.70 to 91.70): VV017430.D (-2495) (-)

9.16

250000

200000

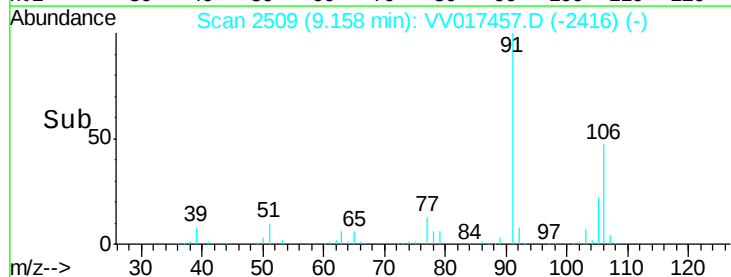
150000

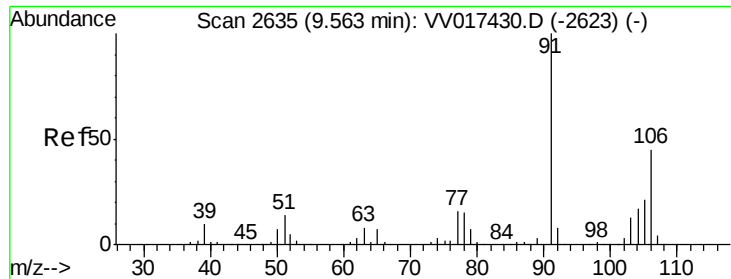
100000

50000

0

Time--> 9.10 9.15 9.20





#54

o-xylene

Concen: 47.694 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

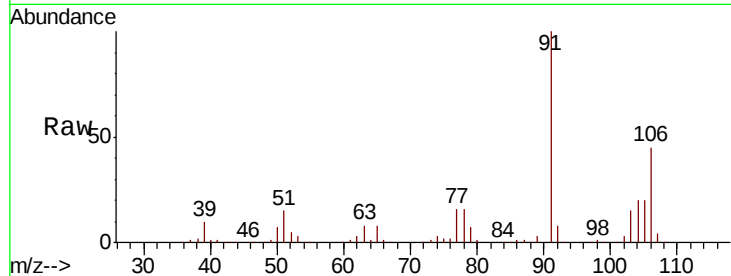
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 166569

Ion Ratio Lower Upper

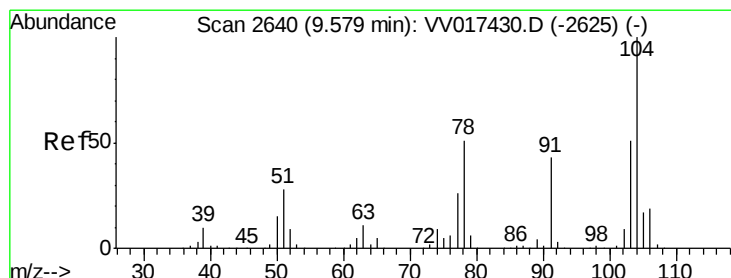
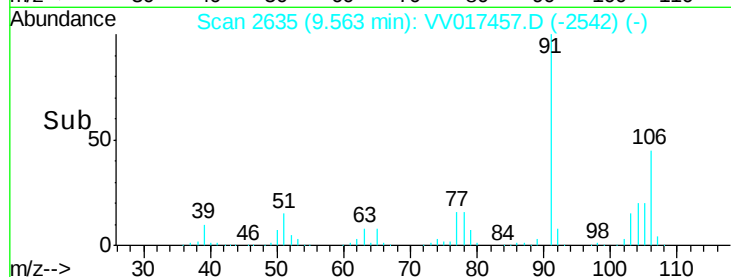
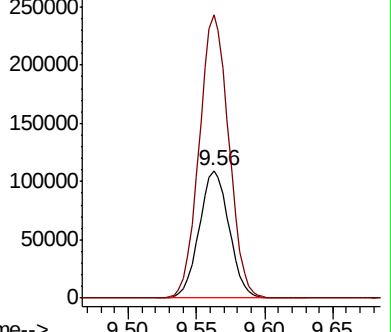
106 100

91 222.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.801 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017457.D

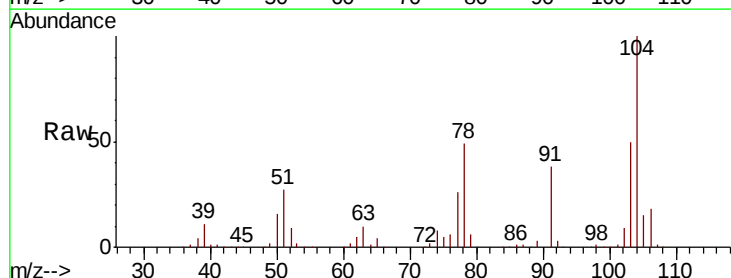
Acq: 13 Jul 2020 09:21

Tgt Ion:104 Resp: 289979

Ion Ratio Lower Upper

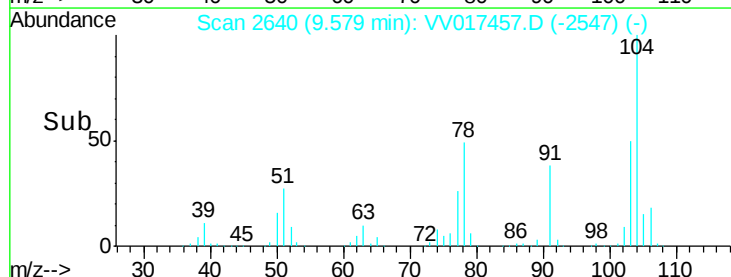
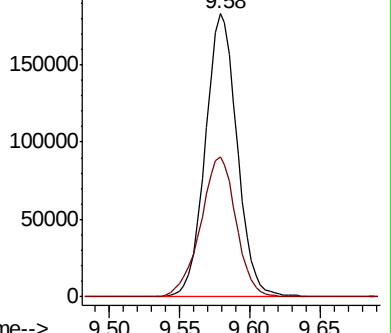
104 100

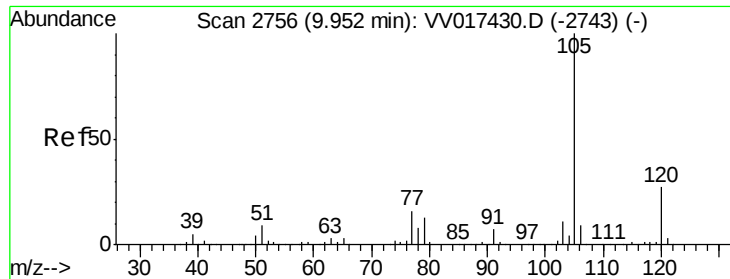
78 49.5 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.225 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

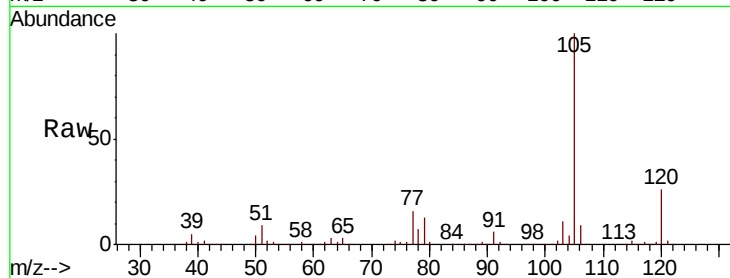
Tot Ion:105 Resp: 468563

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

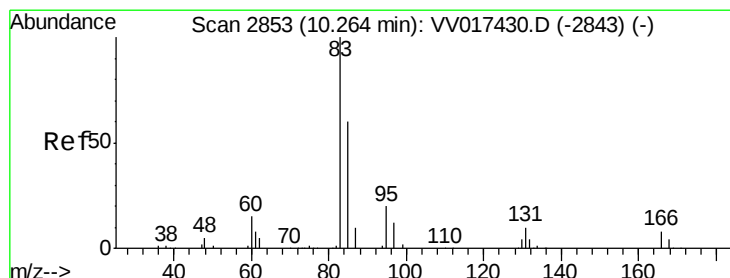
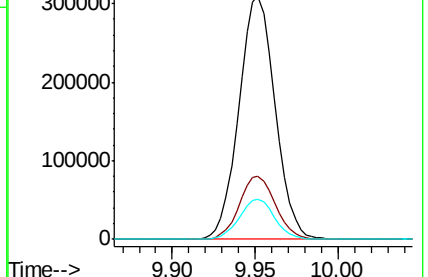
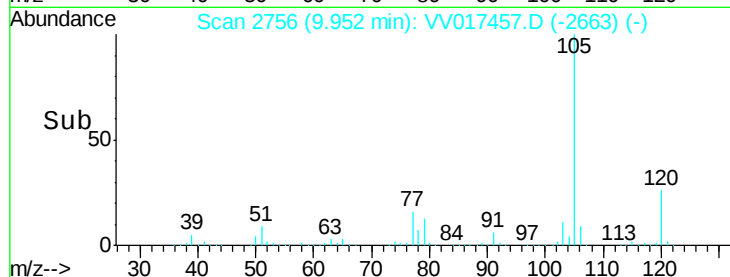
77 16.1 13.0 19.6



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: 44.580 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

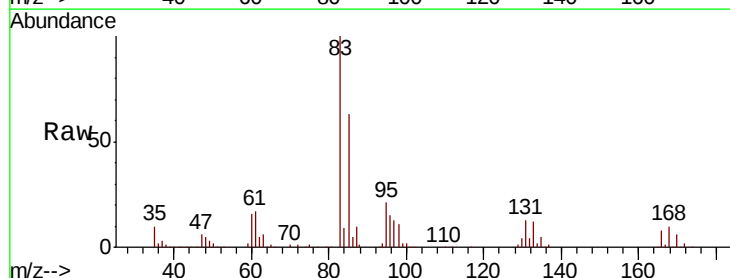
Tgt Ion: 83 Resp: 131975

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.5

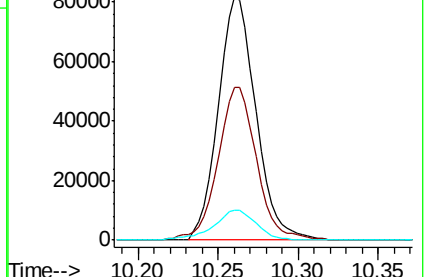
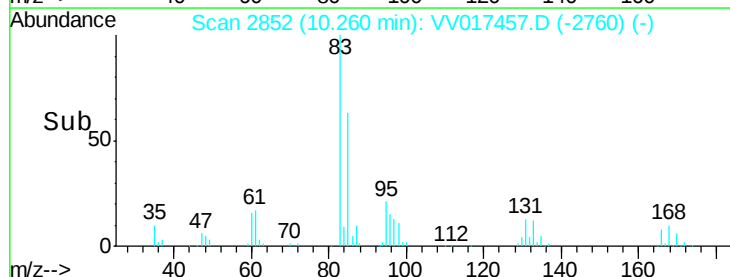
131 12.5 9.4 14.2

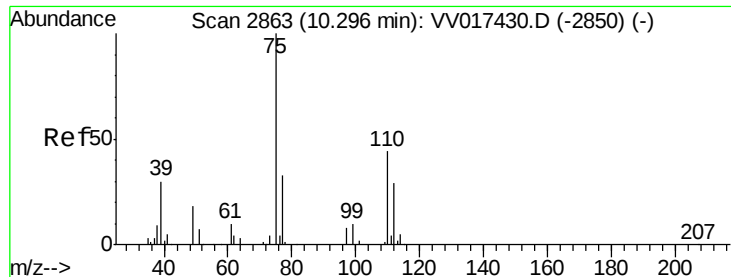


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

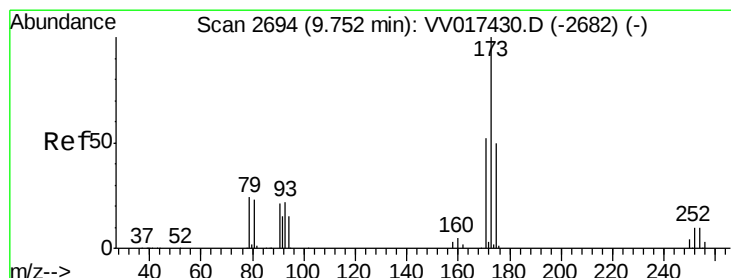
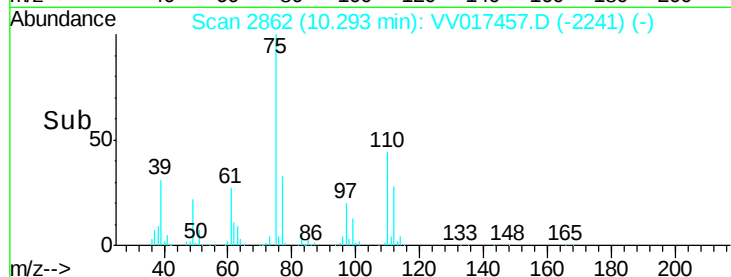
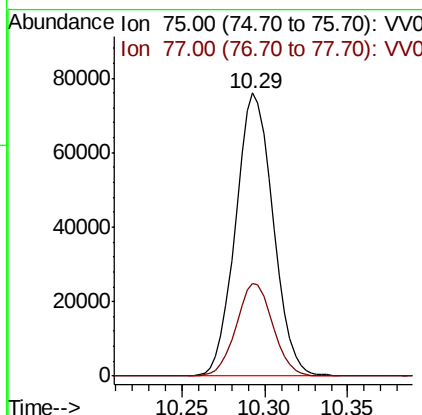
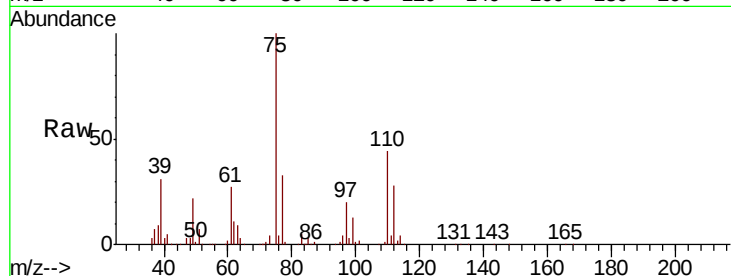




#59
 1,2,3-Trichloropropane
 Concen: 46.406 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

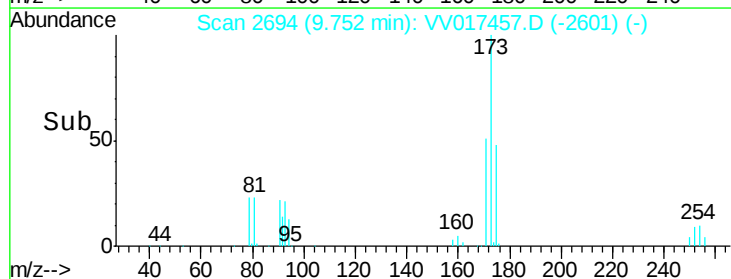
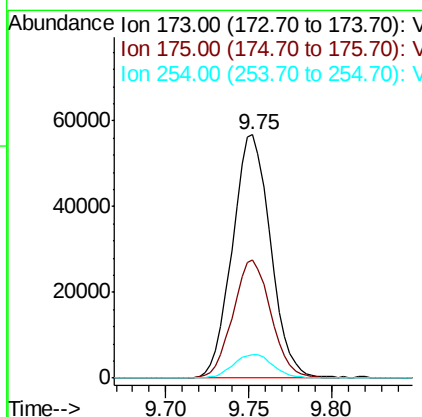
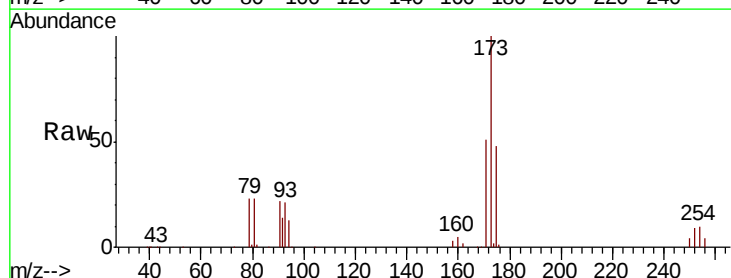
Instrument :
 MSVOA_V
 ClientSampled :

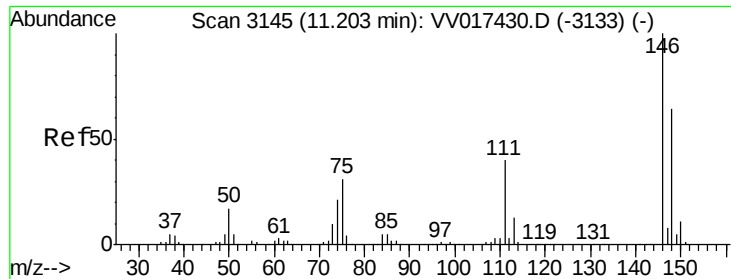
Tot Ion: 75 Resp: 119480
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7



#61
 Bromoform
 Concen: 47.728 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

Tgt Ion: 173 Resp: 90849
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.1 57.1
 254 10.2 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 46.248 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

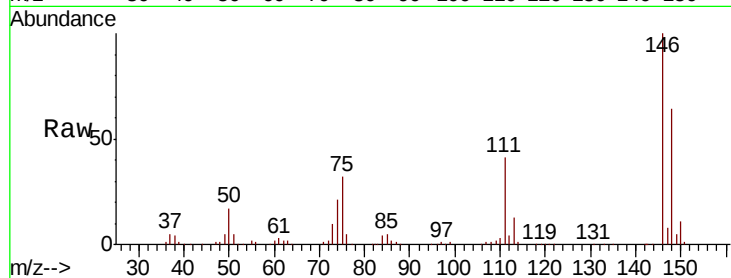
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 228367

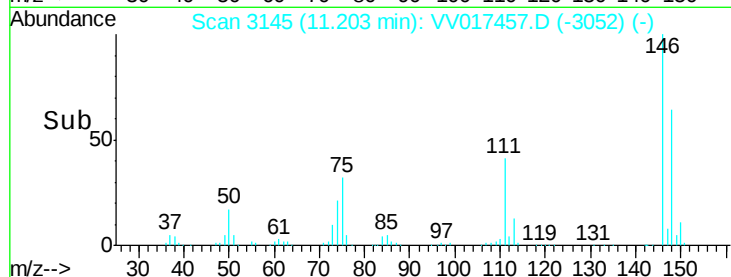
Ion	Ratio	Lower	Upper
146	100		
111	41.4	27.2	50.6
148	63.7	44.7	82.9



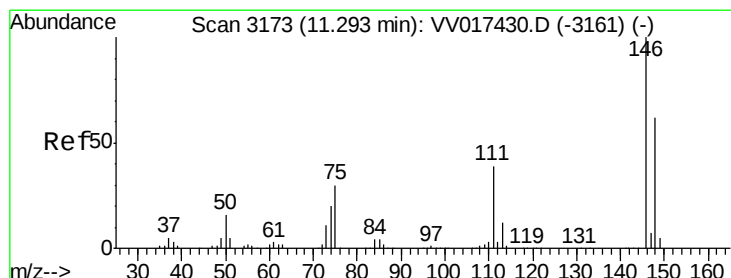
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#63

1,4-Dichlorobenzene

Concen: 46.171 ug/L

RT: 11.29 min Scan# 3173

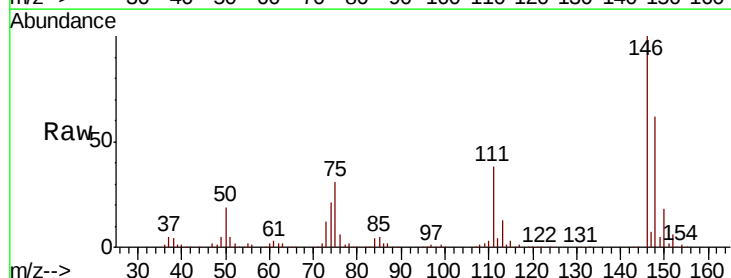
Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Tgt Ion:146 Resp: 231391

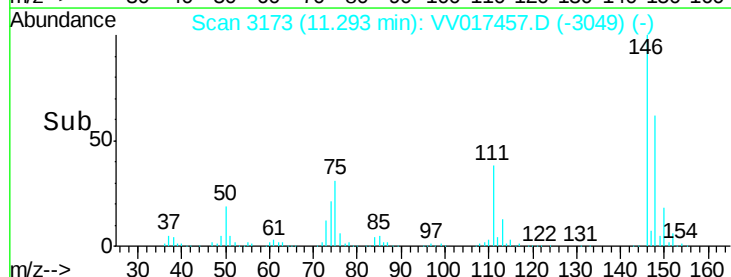
Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.2	50.4
148	61.9	45.4	84.4



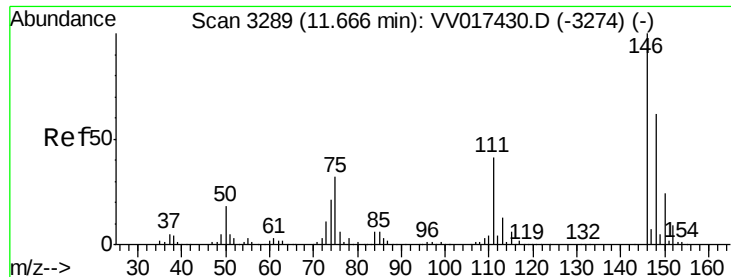
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#65

1,2-Dichlorobenzene

Concen: 46.028 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

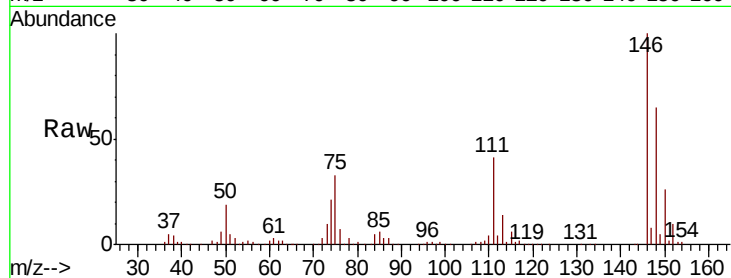
Tot Ion:146 Resp: 226568

Ion Ratio Lower Upper

146 100

111 41.4 33.5 50.3

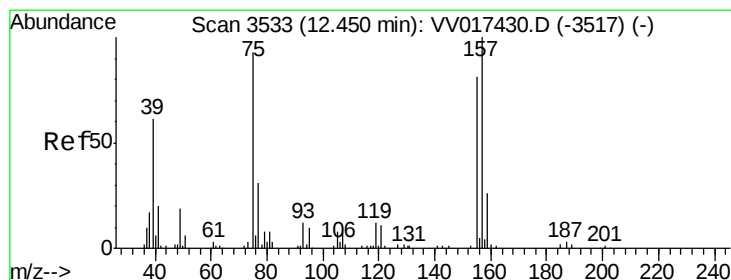
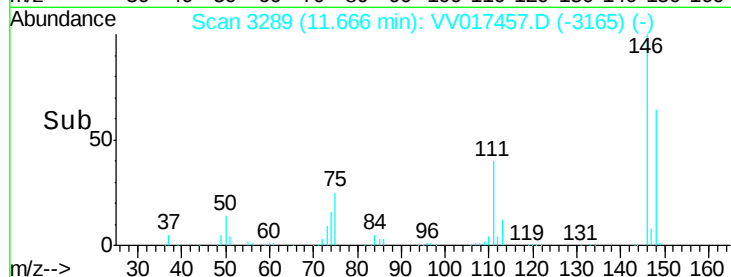
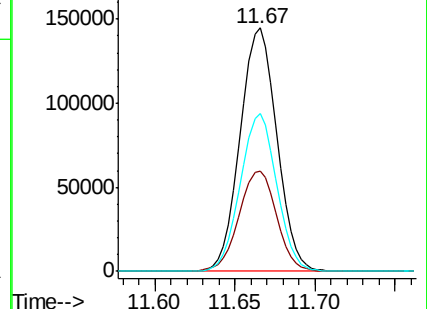
148 64.9 50.6 76.0



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: 46.450 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

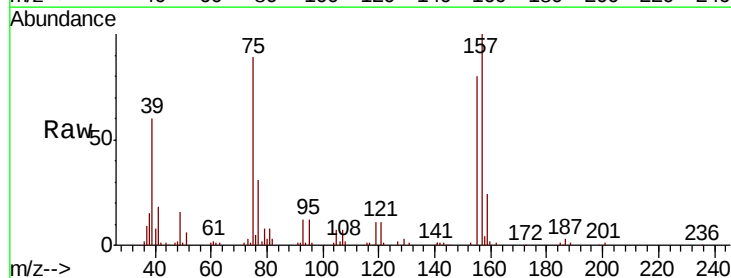
Tgt Ion: 75 Resp: 37205

Ion Ratio Lower Upper

75 100

155 90.1 63.4 95.2

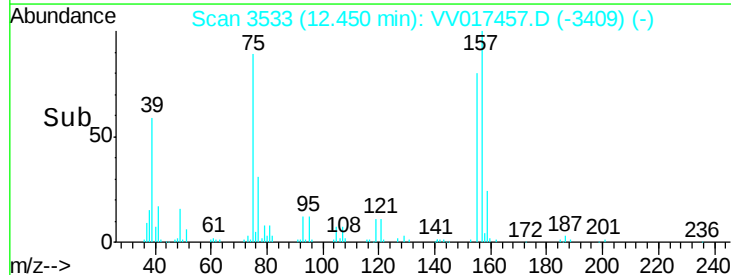
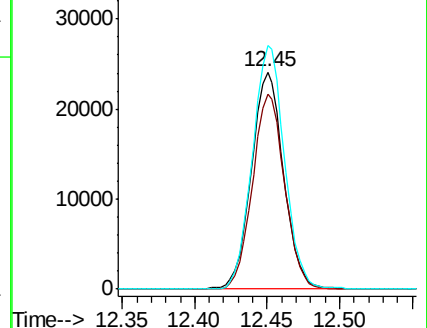
157 112.3 84.5 126.7

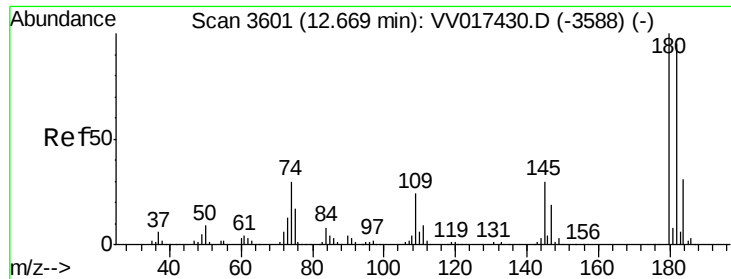


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

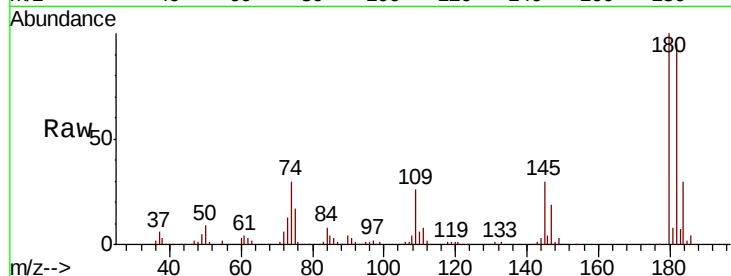




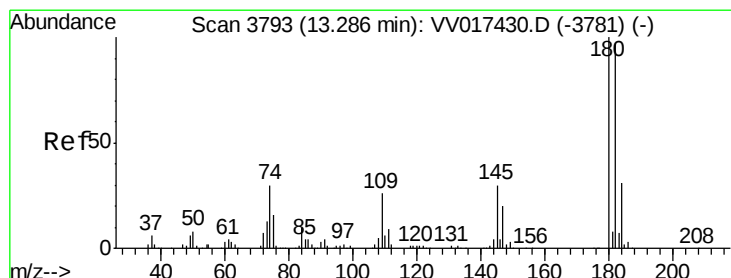
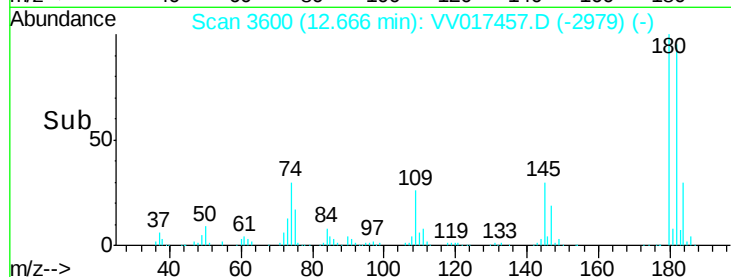
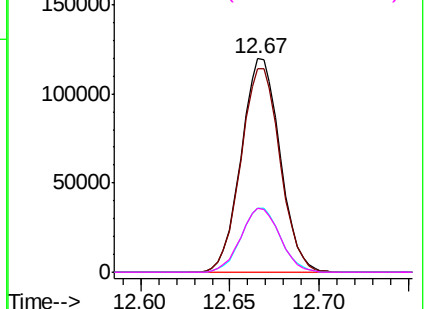
#67
 1,3,5-Trichlorobenzene
 Concen: 48.899 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	181885
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	30.4	24.0	36.0
145	29.9	23.8	35.8

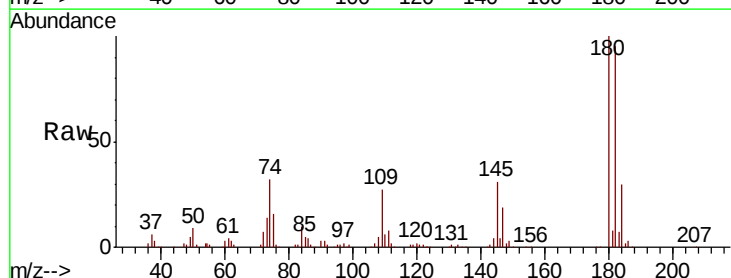


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

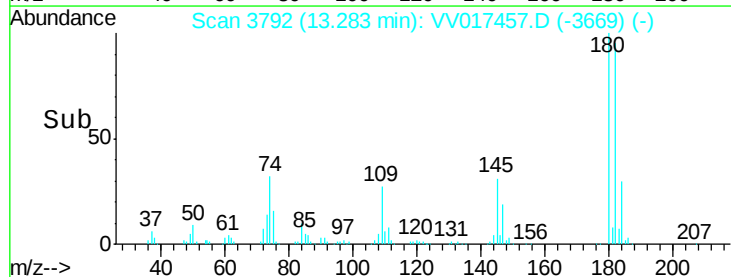
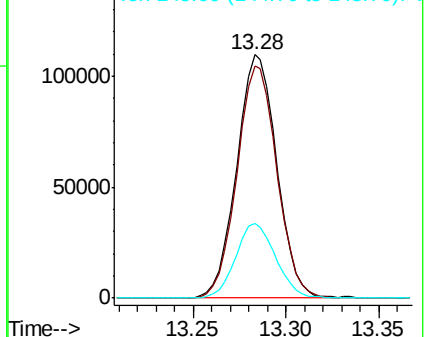


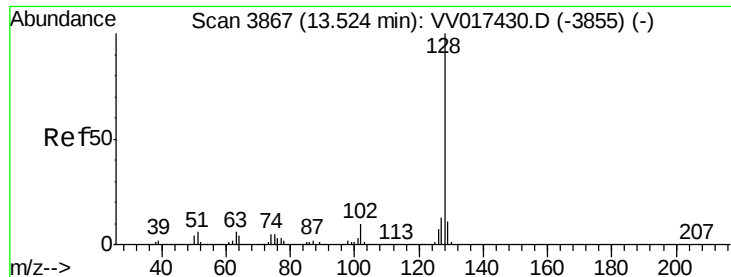
#68
 1,2,4-trichlorobenzene
 Concen: 50.344 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017457.D
 Acq: 13 Jul 2020 09:21

Tgt Ion:	180	Resp:	164208
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.0	114.0
145	30.6	24.6	36.8



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: 51.140 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

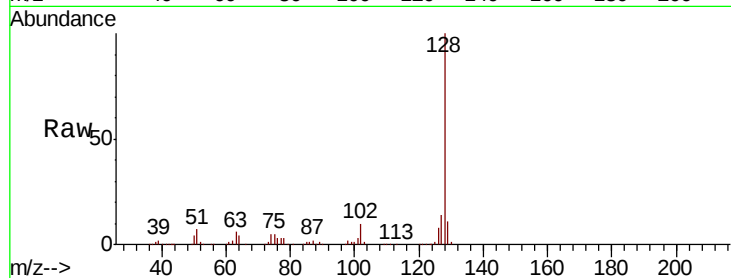
Tot Ion:128 Resp: 465827

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

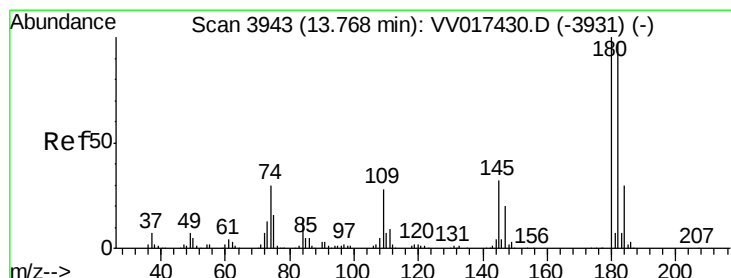
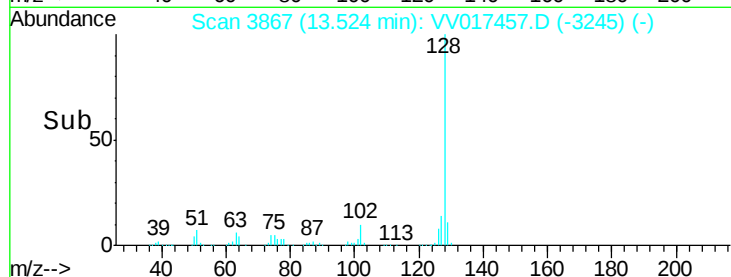
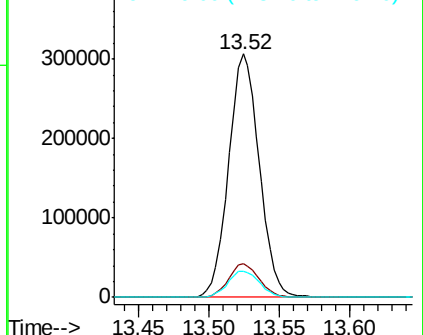
129 11.1 8.6 12.8



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: 49.969 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017457.D

Acq: 13 Jul 2020 09:21

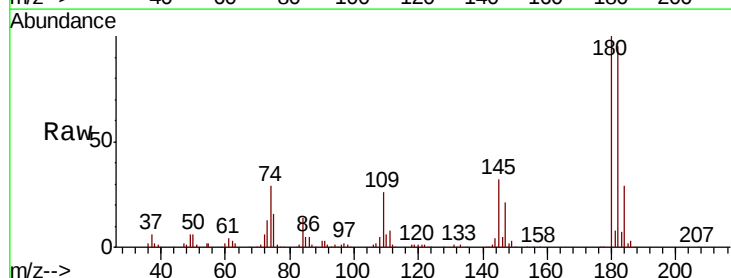
Tgt Ion:180 Resp: 165788

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 33.0 26.5 39.7



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

