

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017642.D
 Acq On : 24 Jul 2020 11:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 00:01:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 19:22:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	173509	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	163537	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	94223	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37835	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.58	69	30051	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.12	63	89351	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	3.95	46	31994	16.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	32.28%#
24) Chloroform-d	4.37	84	101451	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.06	65	49728	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.07	84	169832	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.09	67	45882	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.33	98	166013	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
45) trans-1,3-Dichloropropene-	7.64	79	20769	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
48) 2-Hexanone-d5	8.11	63	63752	45.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35211	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66460	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	92660	4.874 ug/L	99
3) Chloromethane	1.24	50	57761	4.670 ug/L	95
5) Vinyl chloride	1.32	62	61958	4.998 ug/L	100
6) Bromomethane	1.53	94	38043	4.775 ug/L	96
8) Chloroethane	1.59	64	36303	5.073 ug/L	95
9) Trichlorofluoromethane	1.76	101	114464	5.163 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	51217	4.946 ug/L	94
12) 1,1-Dichloroethene	2.13	96	45575	4.878 ug/L	92
14) Carbon disulfide	2.31	76	138143	4.863 ug/L	98
15) Methyl Acetate	2.46	43	12834	4.251 ug/L	89
16) Methylene chloride	2.52	84	47949	4.612 ug/L	95
17) Methyl tert-butyl Ether	2.79	73	119742	5.000 ug/L	98
18) trans-1,2-Dichloroethene	2.77	96	51477	5.056 ug/L	98
19) 1,1-Dichloroethane	3.20	63	104601	4.886 ug/L	98
21) 2-Butanone	4.04	43	110283	42.093 ug/L	98
22) cis-1,2-Dichloroethene	3.93	96	61527	4.799 ug/L	99
23) Bromochloromethane	4.27	128	28613	4.843 ug/L	85

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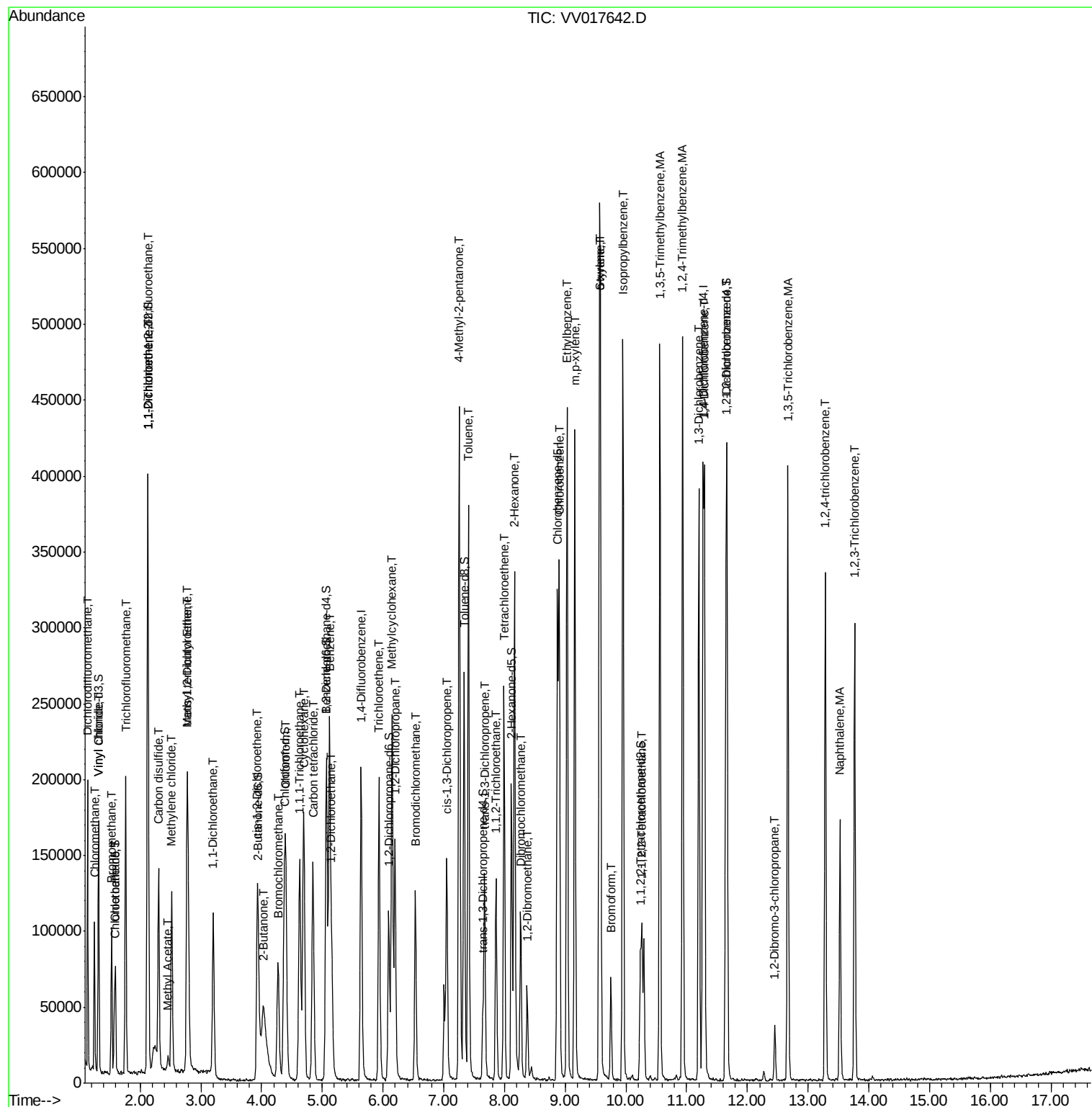
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	120574	5.018	ug/L	98
27) 1,2-Dichloroethane	5.15	62	78885	5.063	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	117734	5.146	ug/L	98
30) Cyclohexane	4.69	56	87148	4.807	ug/L	98
31) Carbon tetrachloride	4.85	117	106847	5.250	ug/L	99
33) Benzene	5.12	78	231804	5.008	ug/L	100
34) Trichloroethene	5.94	95	64428	4.983	ug/L	98
35) Methylcyclohexane	6.15	83	94152	4.814	ug/L	99
37) 1,2-Dichloropropane	6.20	63	53567	4.924	ug/L	99
38) Bromodichloromethane	6.53	83	82289	5.142	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	83095	5.064	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	289208	48.485	ug/L	99
42) Toluene	7.41	91	261496	5.178	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	249269	5.287	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	258492	5.366	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	72971	4.954	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	38428	4.658	ug/L	89
49) Tetrachloroethene	7.99	164	58575	5.138	ug/L	95
50) 2-Hexanone	8.16	43	211666	50.151	ug/L	98
51) Dibromochloromethane	8.27	129	55467	5.282	ug/L	95
52) 1,2-Dibromoethane	8.37	107	38568	4.954	ug/L	98
53) Chlorobenzene	8.90	112	172597	5.127	ug/L	98
54) Ethylbenzene	9.03	91	291218	5.151	ug/L	98
55) m,p-xylene	9.16	106	112848	5.300	ug/L	93
56) o-xylene	9.56	106	108838	5.267	ug/L	98
57) Styrene	9.58	104	185194	5.371	ug/L	99
58) Isopropylbenzene	9.95	105	299915	5.261	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	44222	4.919	ug/L	99
62) Bromoform	9.75	173	29458	4.885	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	151471	4.993	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	149663	4.916	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	134636	4.872	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	8777	5.079	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	120719	4.899	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	98282	4.768	ug/L	99
70) Naphthalene	13.52	128	133582	4.648	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	89040	4.875	ug/L	100

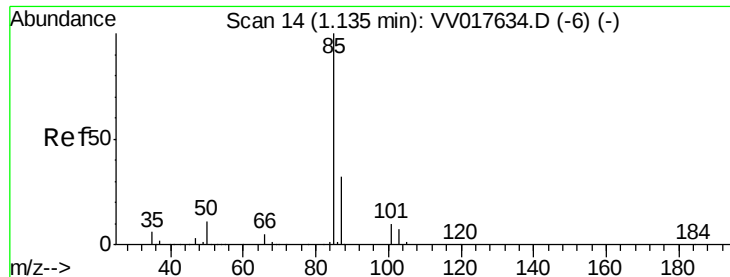
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.874 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

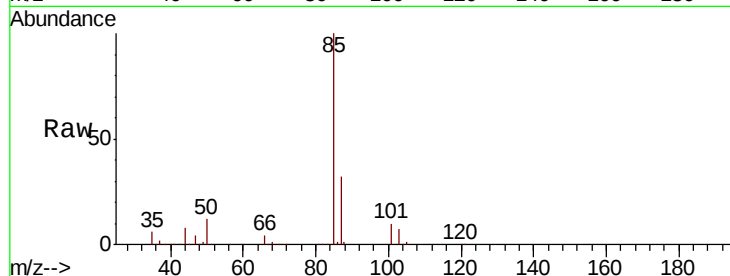
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 92660

Ion Ratio Lower Upper

85 100

87 32.5 26.4 39.6



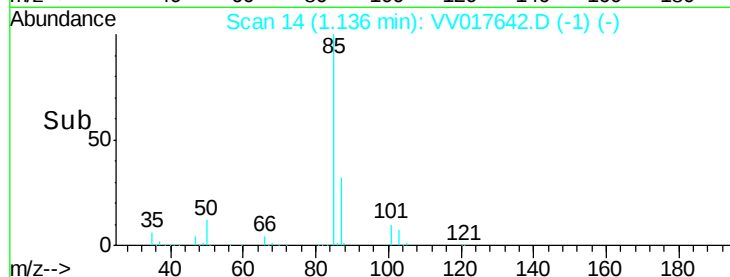
Abundance Ion 85.00 (84.70 to 85.70): VV017642.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017642.D (-6) (-)

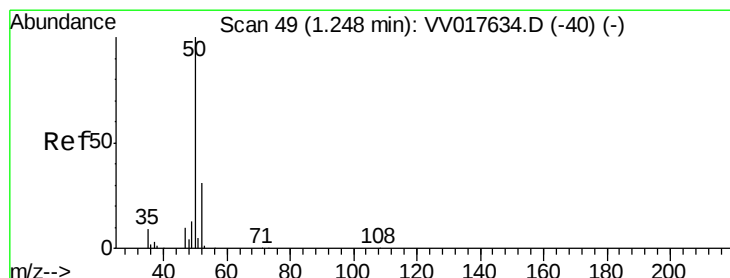
1.14

1.15

1.20



Time-->



#3

Chloromethane

Concen: 4.670 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV017642.D

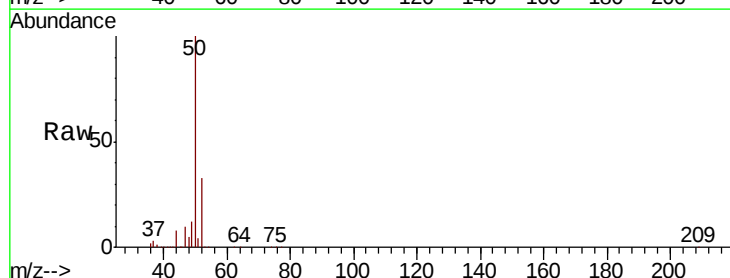
Acq: 24 Jul 2020 11:52

Tgt Ion: 50 Resp: 57761

Ion Ratio Lower Upper

50 100

52 33.0 25.1 46.5



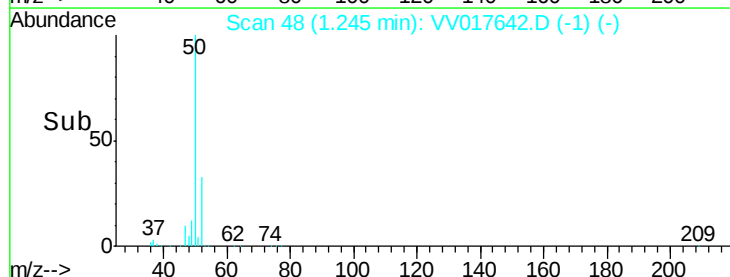
Abundance Ion 50.05 (49.75 to 50.75): VV017642.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017642.D (-1) (-)

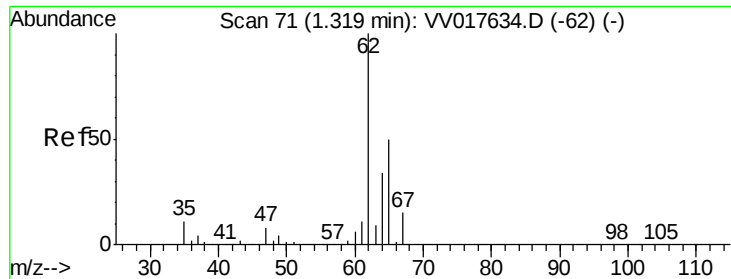
1.24

1.25

1.30



Time-->



#5

Vinyl chloride

Concen: 4.998 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

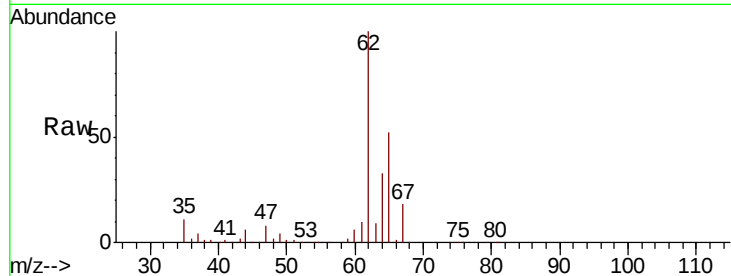
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 61958

Ion Ratio Lower Upper

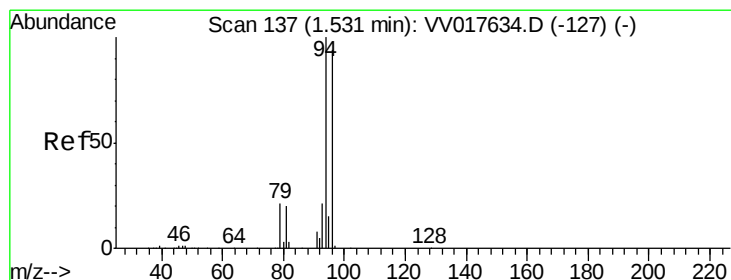
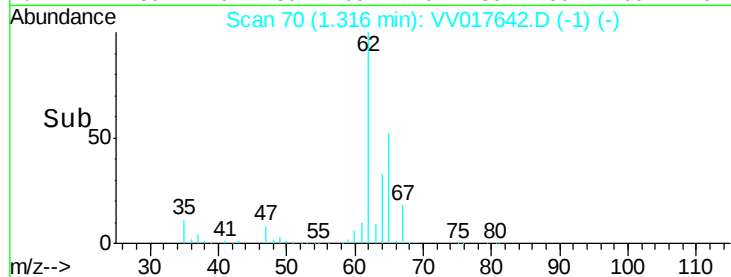
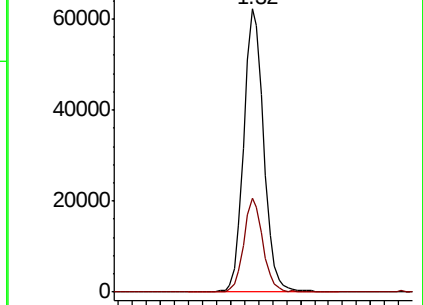
62 100

64 33.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017634.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017634.D (-62) (-)



#6

Bromomethane

Concen: 4.775 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV017642.D

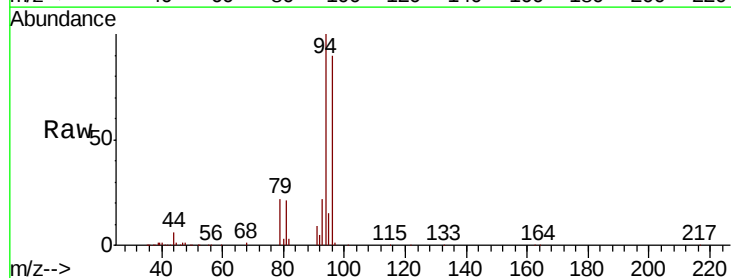
Acq: 24 Jul 2020 11:52

Tgt Ion: 94 Resp: 38043

Ion Ratio Lower Upper

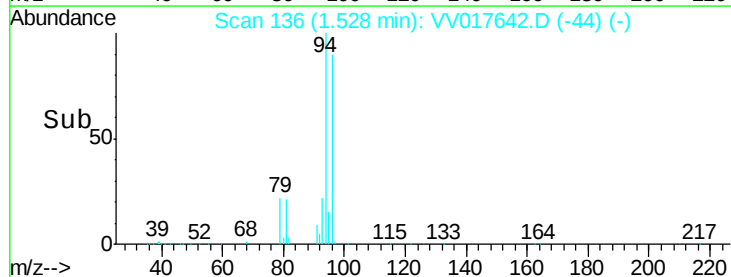
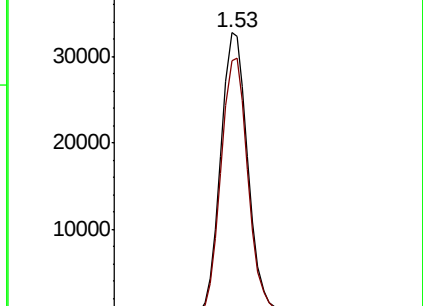
94 100

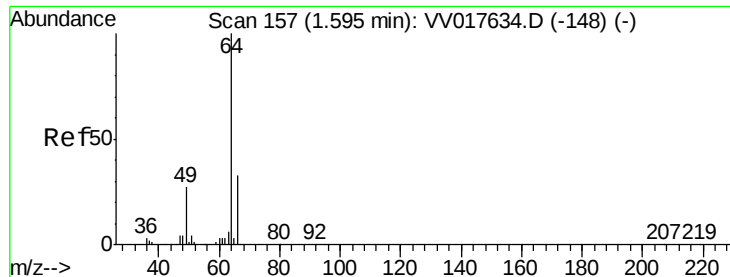
96 90.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017634.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017634.D (-127) (-)

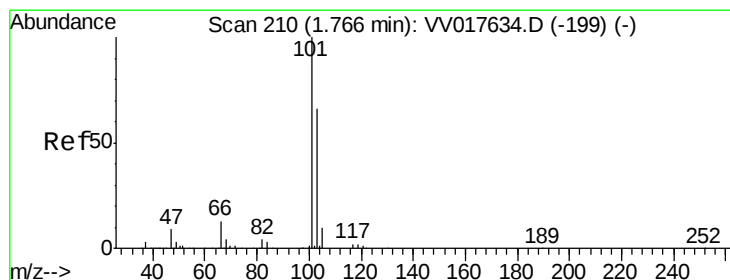
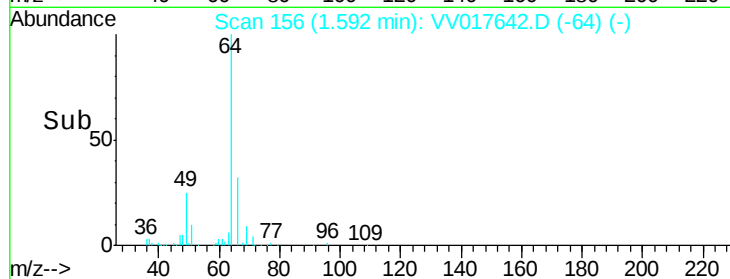
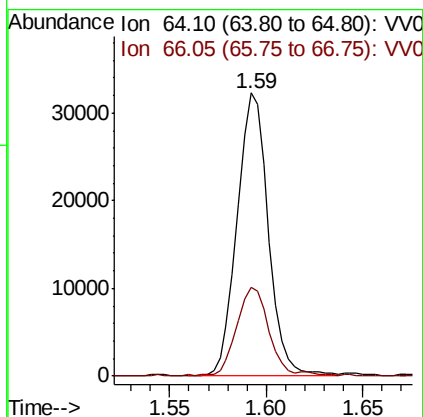
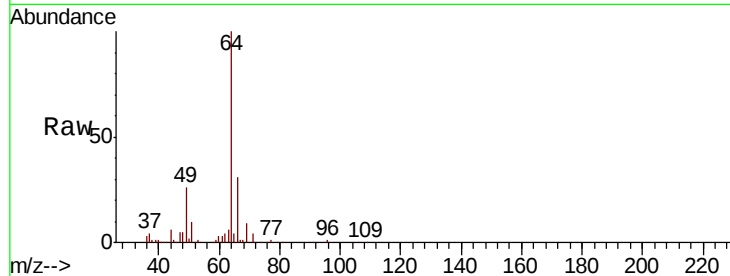




#8
Chloroethane
Concen: 5.073 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

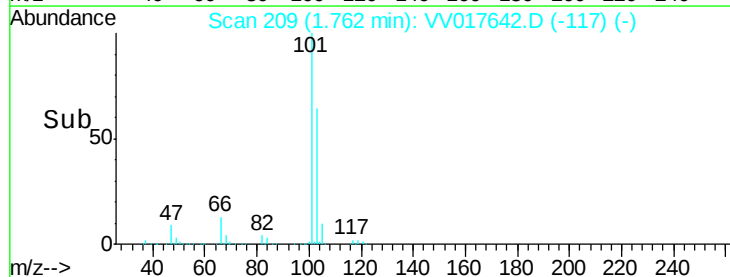
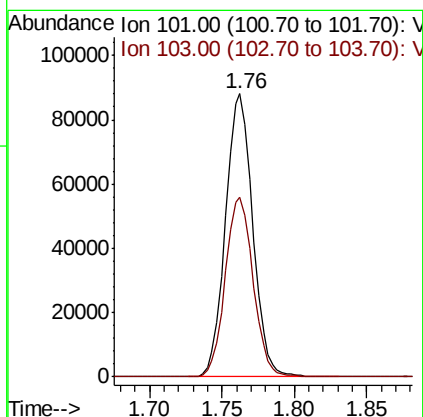
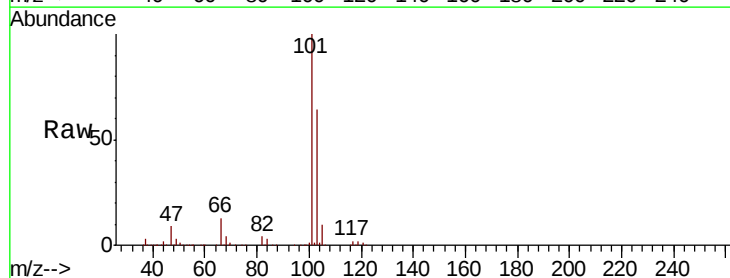
Instrument :
MSVOA_V
ClientSampled :

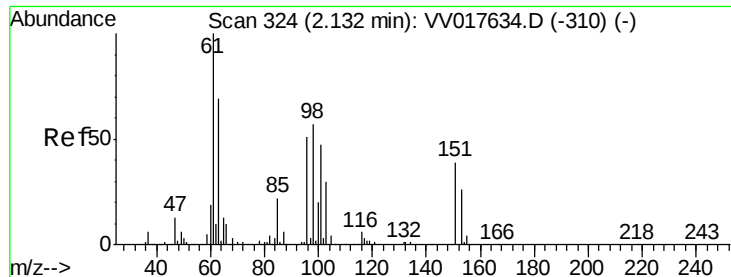
Tot Ion: 64 Resp: 36303
Ion Ratio Lower Upper
64 100
66 31.4 24.0 44.6



#9
Trichlorofluoromethane
Concen: 5.163 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 101 Resp: 114464
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5





#10

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

Concen: 4.946 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

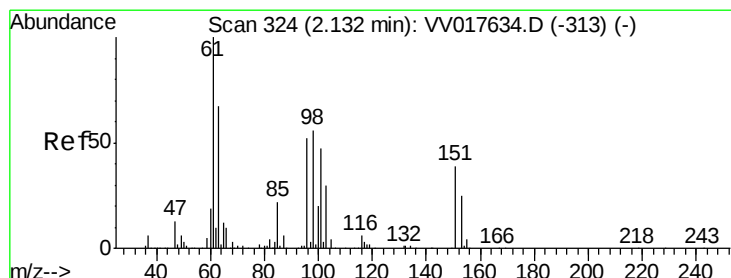
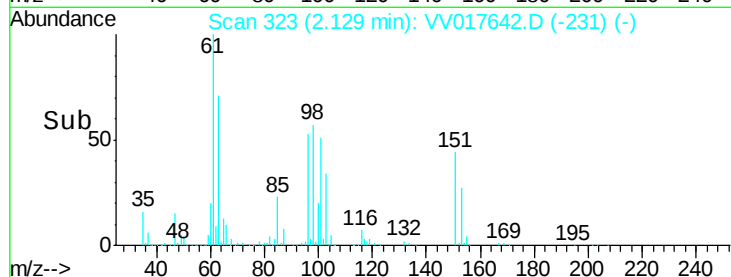
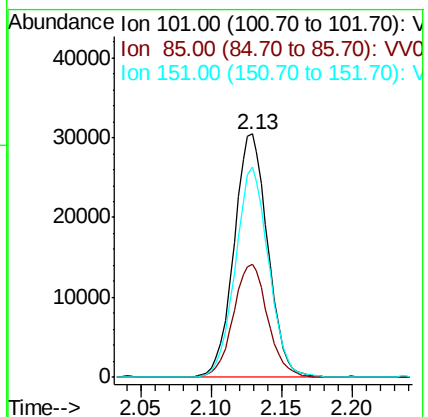
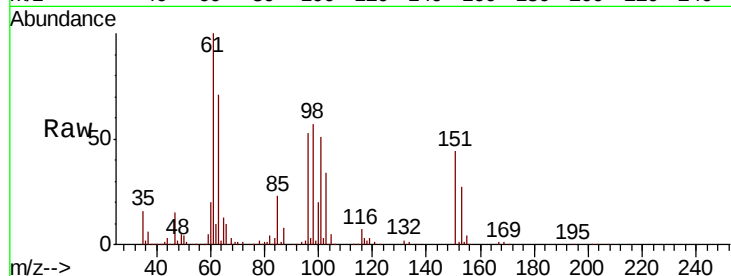
Tot Ion:101 Resp: 51217

Ion Ratio Lower Upper

101 100

85 47.0 34.6 51.8

151 85.1 63.5 95.3



#12

1,1-Dichloroethene

Concen: 4.878 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

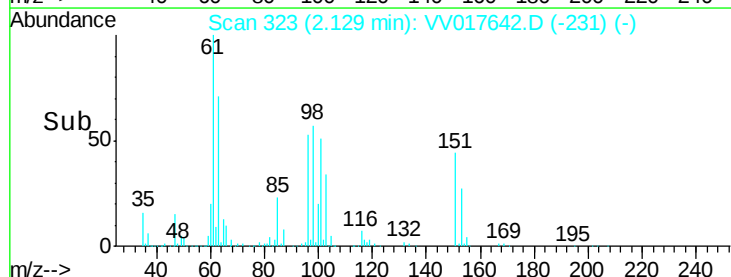
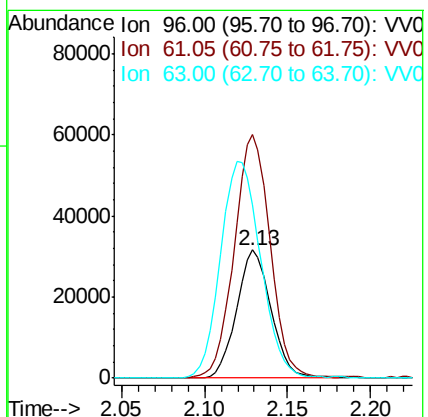
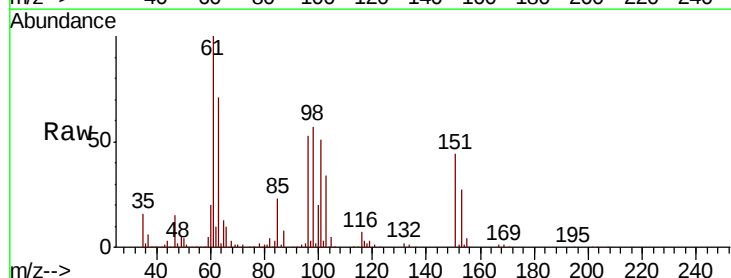
Tgt Ion: 96 Resp: 45575

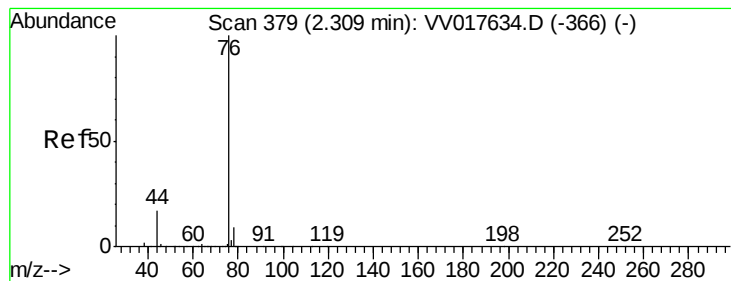
Ion Ratio Lower Upper

96 100

61 190.2 123.1 228.7

63 135.0 91.2 169.4





#14

Carbon disulfide

Concen: 4.863 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :

MSVOA_V

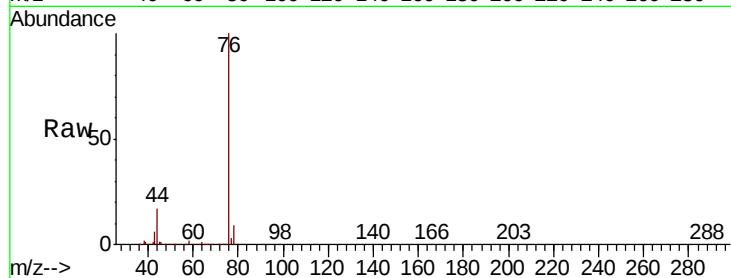
ClientSampleId :

Tot Ion: 76 Resp: 138143

Ion Ratio Lower Upper

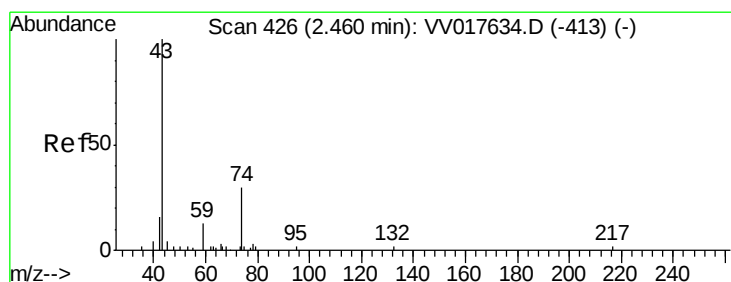
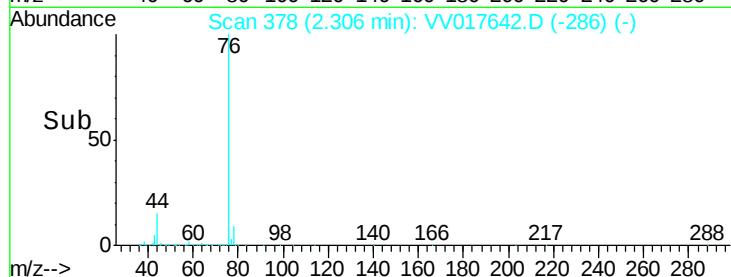
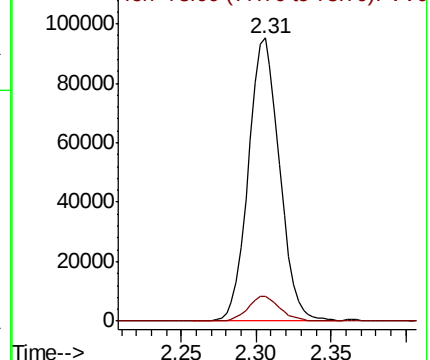
76 100

78 8.9 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 4.251 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV017642.D

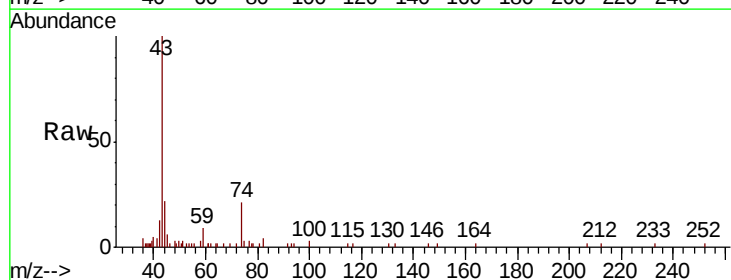
Acq: 24 Jul 2020 11:52

Tgt Ion: 43 Resp: 12834

Ion Ratio Lower Upper

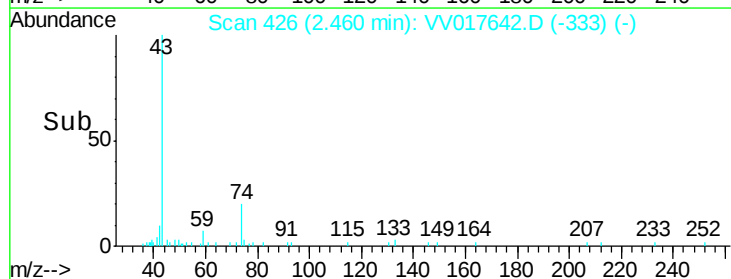
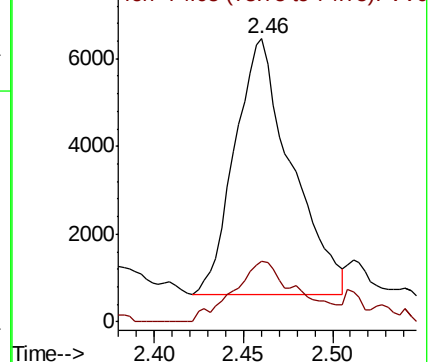
43 100

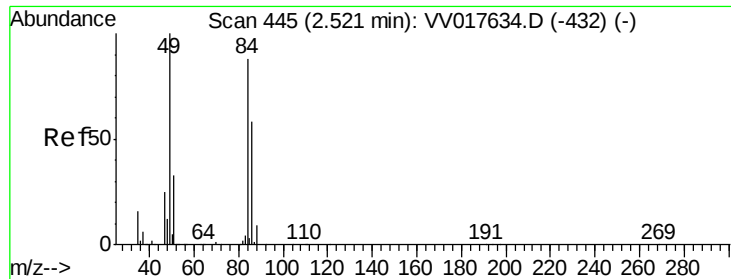
74 26.9 26.6 40.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

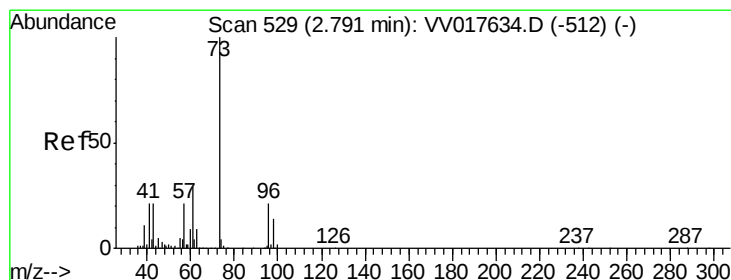
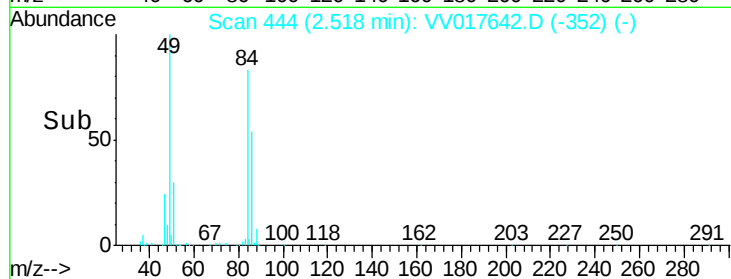
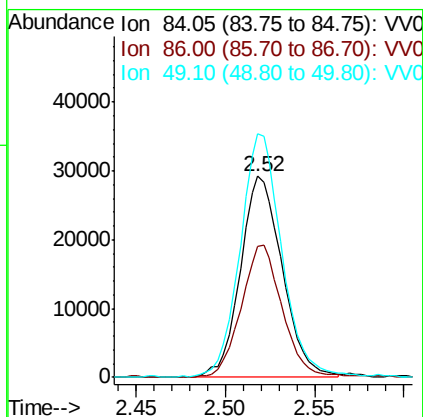
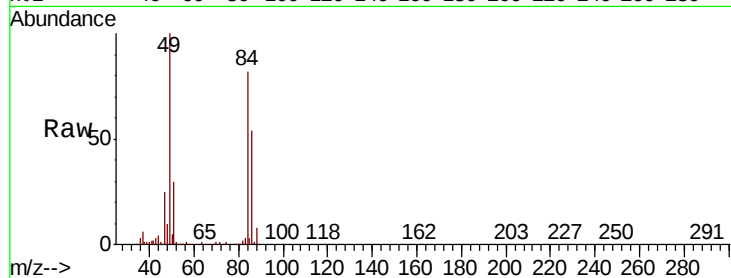




#16
Methylene chloride
Concen: 4.612 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

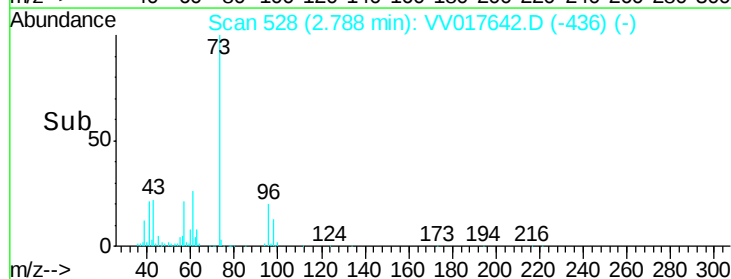
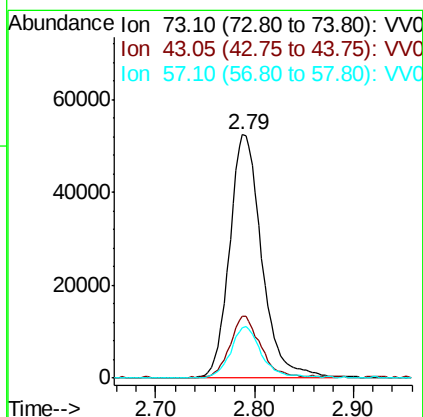
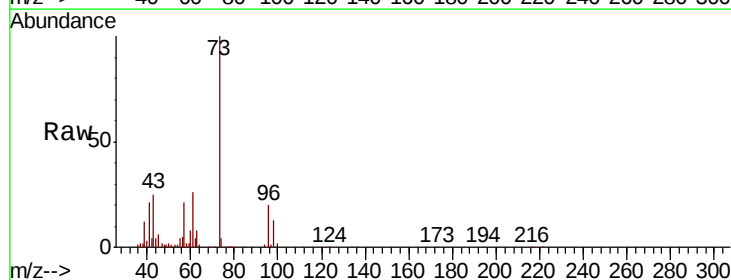
Instrument :
MSVOA_V
ClientSampleId :

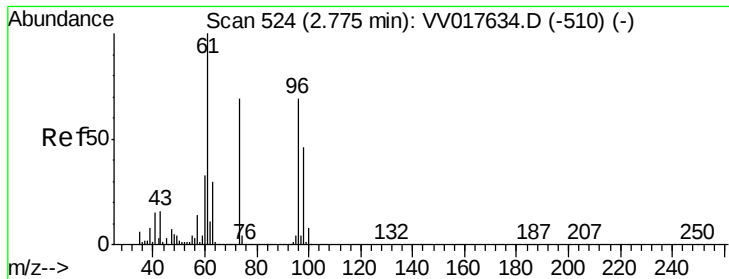
Tot Ion: 84 Resp: 47949
Ion Ratio Lower Upper
84 100
86 65.0 46.5 86.3
49 121.2 79.2 147.2



#17
Methyl tert-butyl Ether
Concen: 5.000 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 73 Resp: 119742
Ion Ratio Lower Upper
73 100
43 23.2 18.3 27.5
57 19.1 16.7 25.1





#18

trans-1,2-Dichloroethene

Concen: 5.056 ug/L

RT: 2.77 min Scan# 523

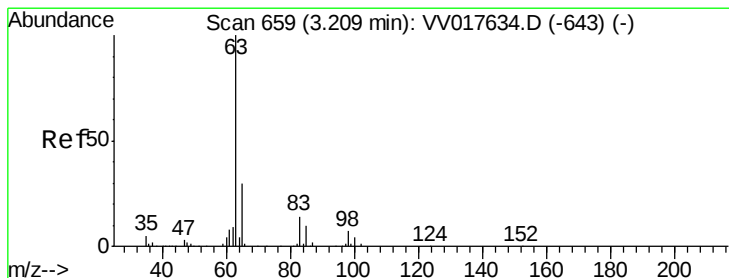
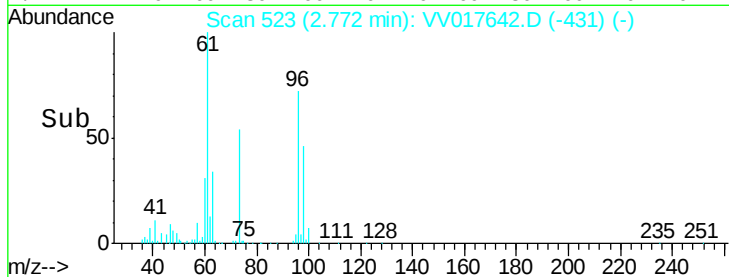
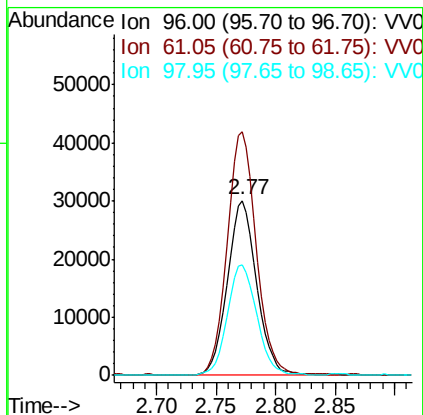
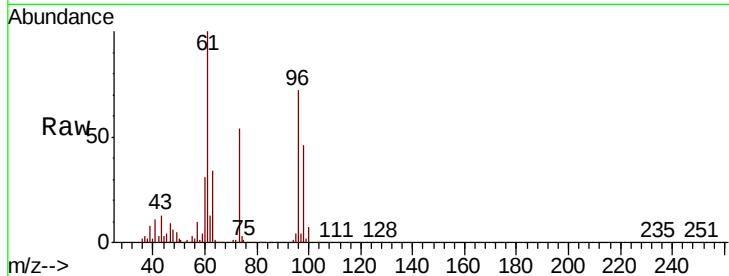
Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	51477
Ion	Ratio	Lower	Upper
96	100		
61	139.1	96.0	178.4
98	63.5	43.5	80.9



#19

1,1-Dichloroethane

Concen: 4.886 ug/L

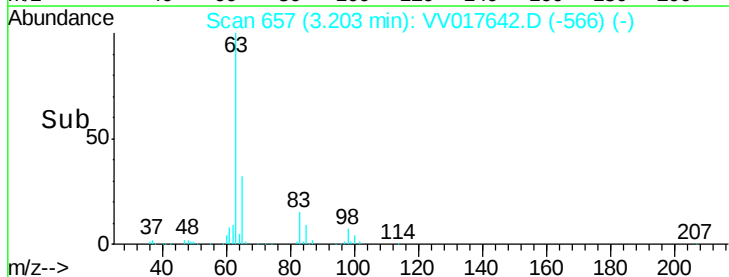
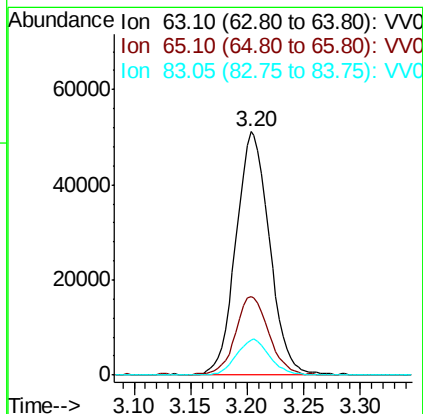
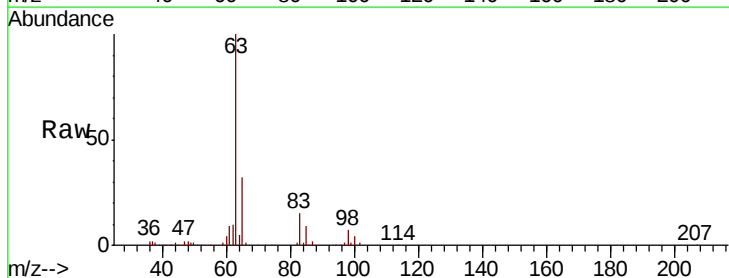
RT: 3.20 min Scan# 657

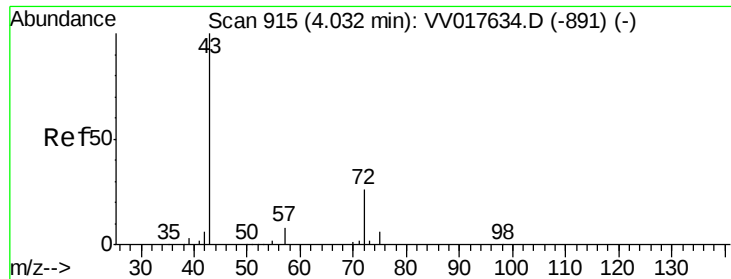
Delta R.T. -0.01 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Tgt Ion:	63	Resp:	104601
Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.4	39.8
83	14.6	10.4	19.4





#21

2-Butanone

Concen: 42.093 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.01 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

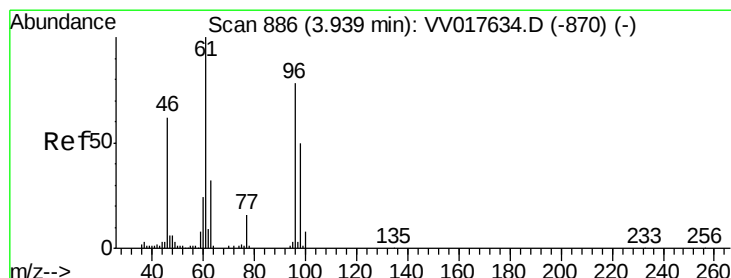
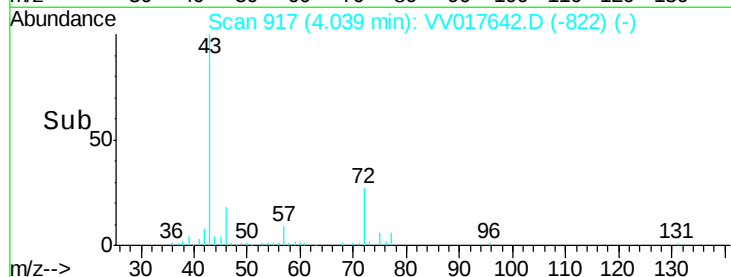
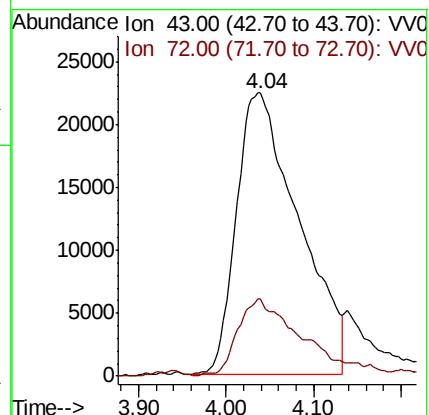
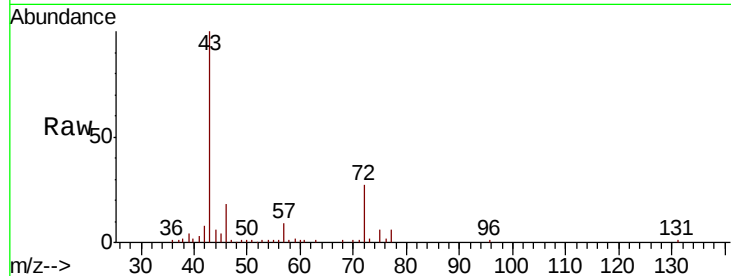
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 110283

Ion Ratio Lower Upper

43 100

72 27.1 13.0 38.9



#22

cis-1,2-Dichloroethene

Concen: 4.799 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

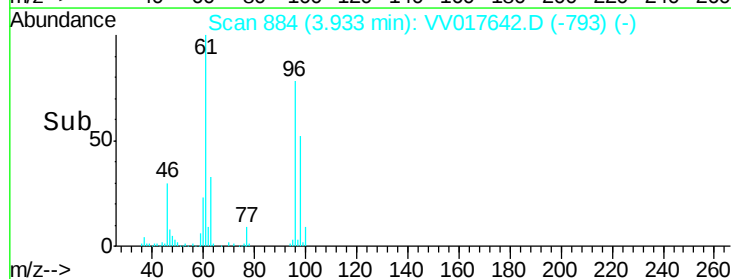
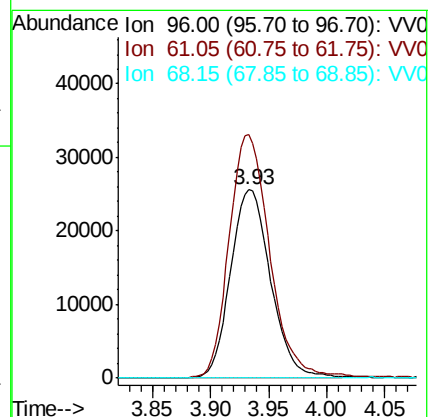
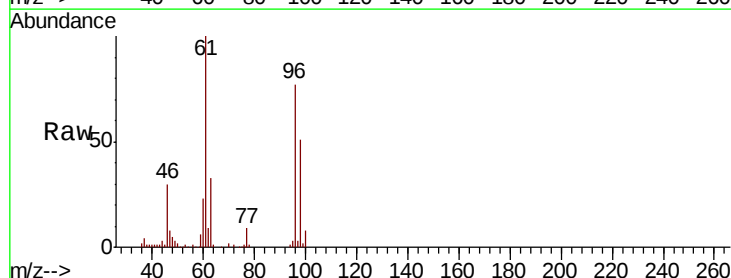
Tgt Ion: 96 Resp: 61527

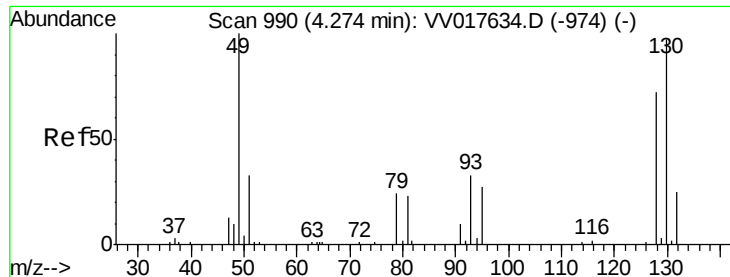
Ion Ratio Lower Upper

96 100

61 129.3 89.6 166.4

68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 4.843 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 28613

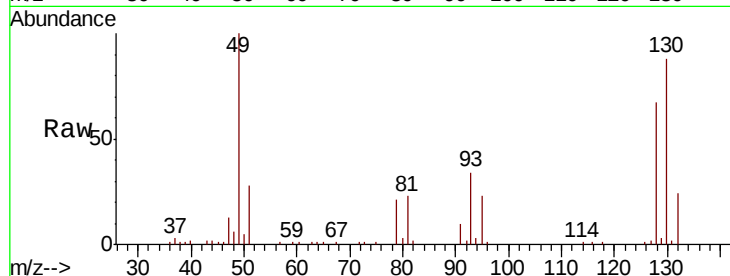
Ion Ratio Lower Upper

128 100

49 149.9 92.2 171.2

130 132.3 77.2 143.4

51 42.6 33.8 50.6

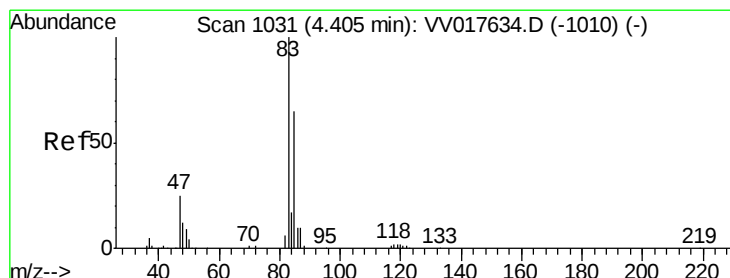
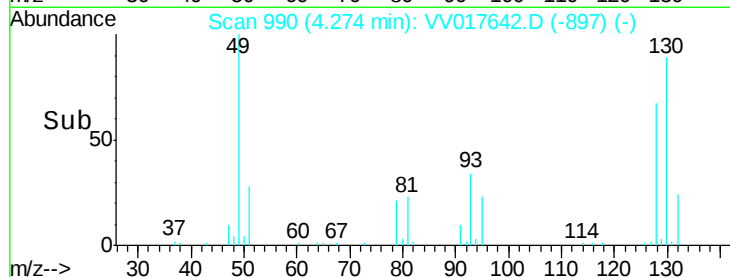
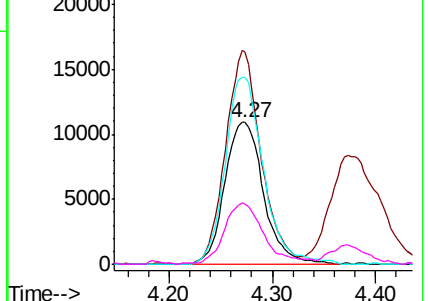


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 5.018 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VV017642.D

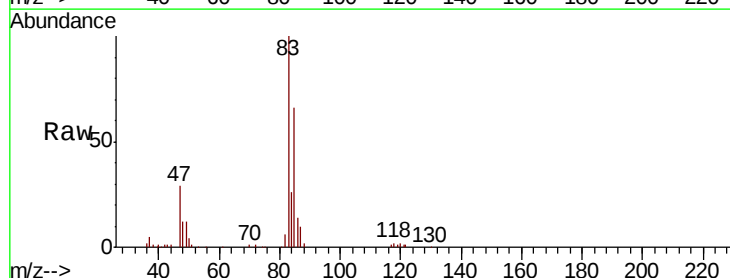
Acq: 24 Jul 2020 11:52

Tgt Ion: 83 Resp: 120574

Ion Ratio Lower Upper

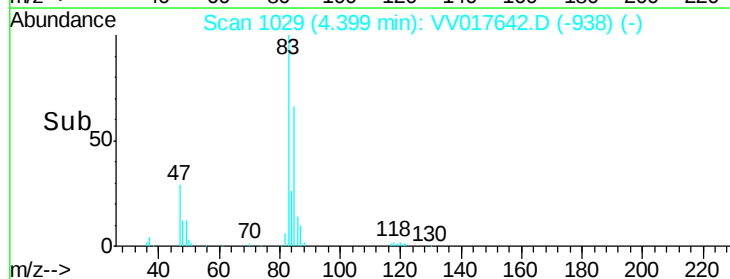
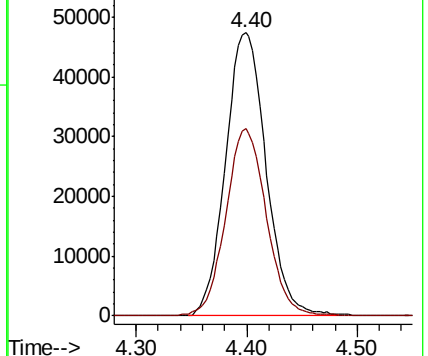
83 100

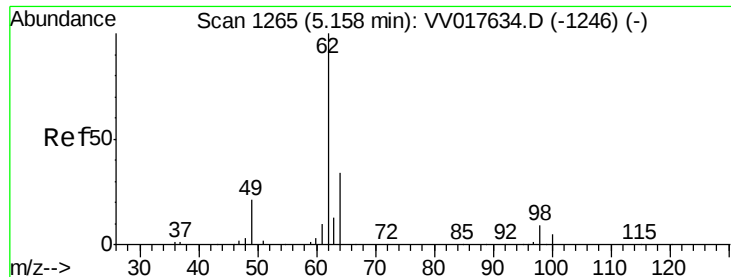
85 66.2 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 5.063 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

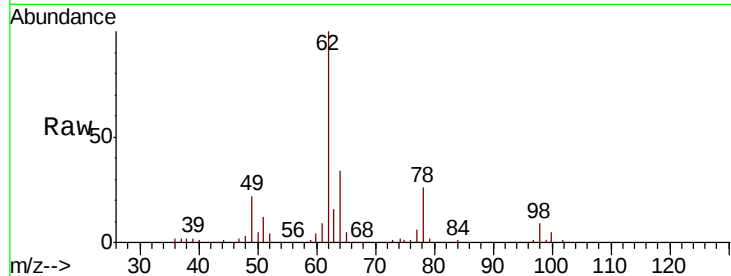
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 78885

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV017634.D (-1246) (-)

Ion 98.05 (97.75 to 98.75): VV017634.D (-1246) (-)

5.15

40000

30000

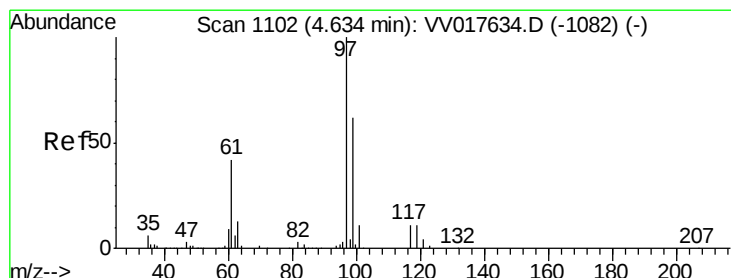
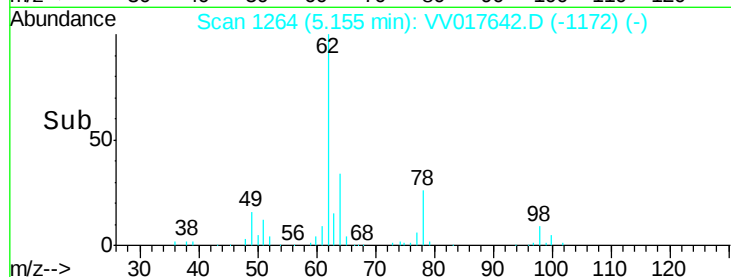
20000

10000

0

5.10 5.20

Time-->



#29

1,1,1-Trichloroethane

Concen: 5.146 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

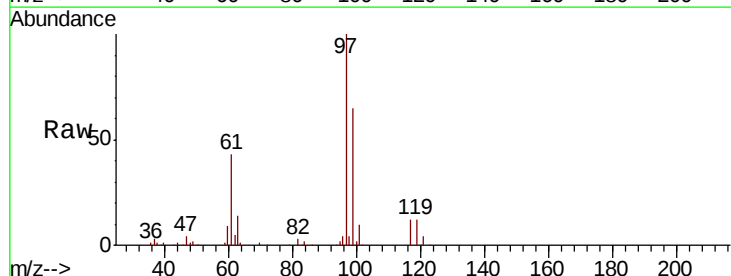
Tgt Ion: 97 Resp: 117734

Ion Ratio Lower Upper

97 100

99 65.0 50.6 76.0

61 43.1 35.7 53.5



Abundance Ion 96.95 (96.65 to 97.65): VV017634.D (-1082) (-)

Ion 99.05 (98.75 to 99.75): VV017634.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV017634.D (-1082) (-)

4.63

60000

50000

40000

30000

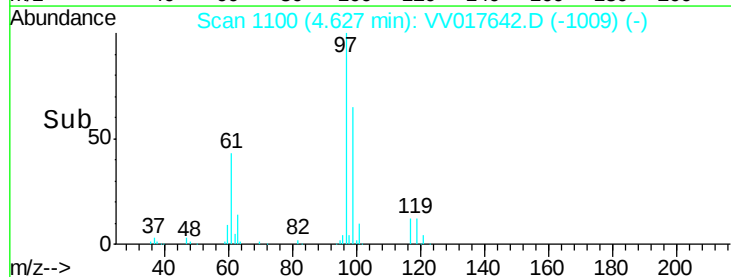
20000

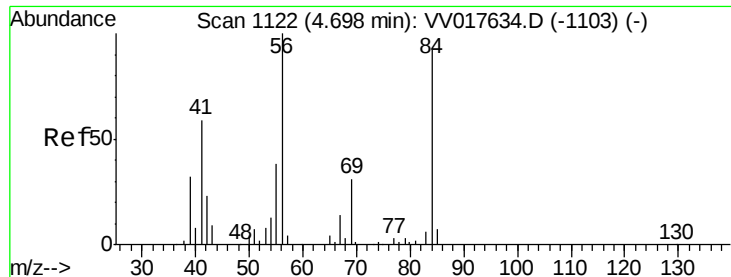
10000

0

4.50 4.60 4.70

Time-->

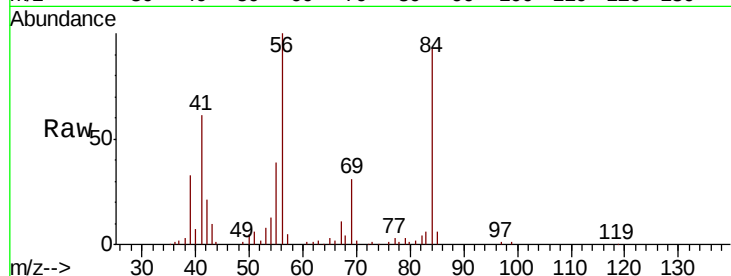




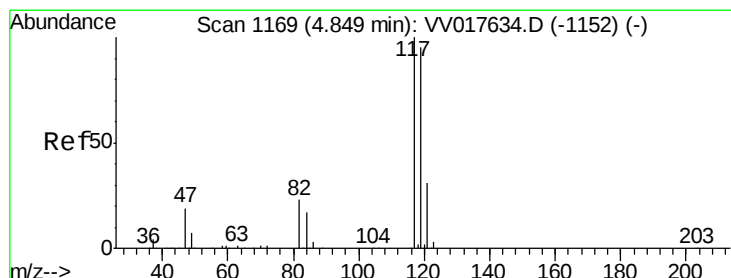
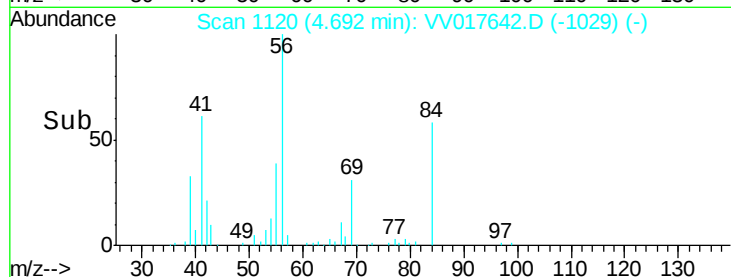
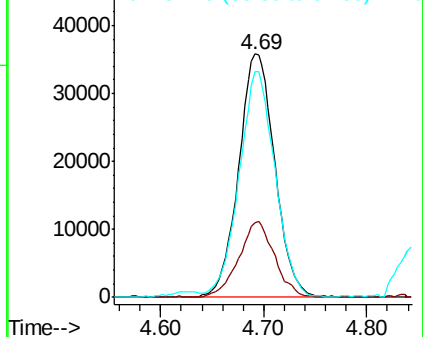
#30
Cvclohexane
Concen: 4.807 ug/L
RT: 4.69 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 87148
Ion Ratio Lower Upper
56 100
69 31.0 25.4 38.2
84 92.8 73.0 109.4

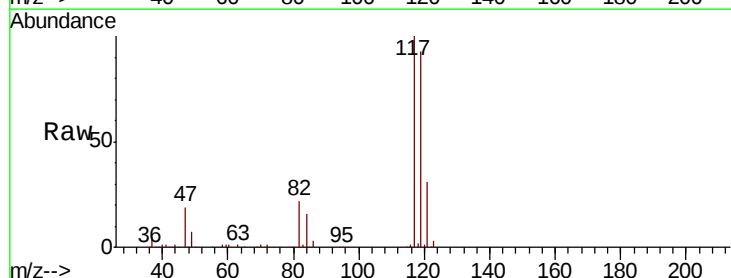


Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

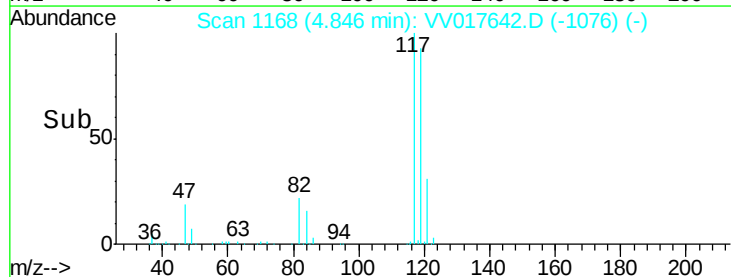
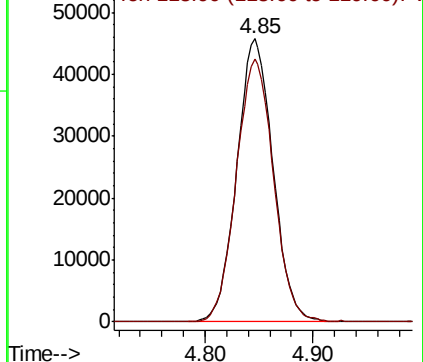


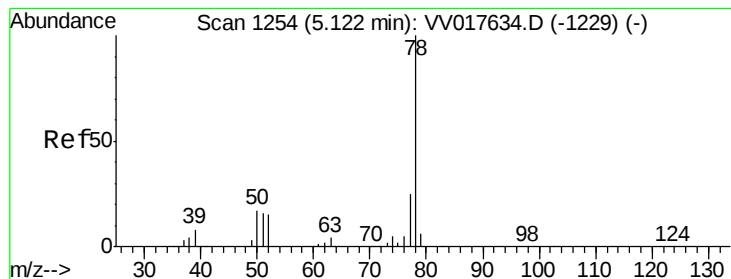
#31
Carbon tetrachloride
Concen: 5.250 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 117 Resp: 106847
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 5.008 ug/L

RT: 5.12 min Scan# 1253

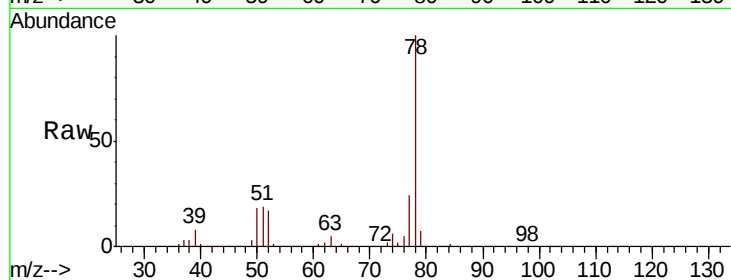
Delta R.T. -0.00 min

Lab File: VV017642.D

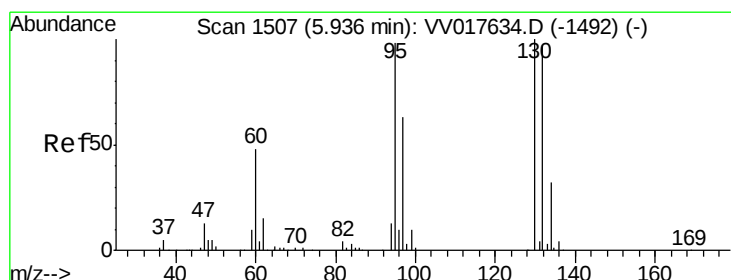
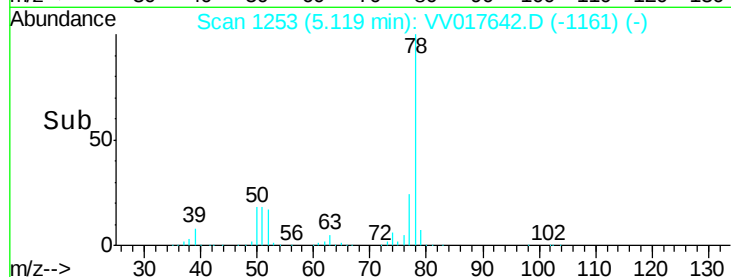
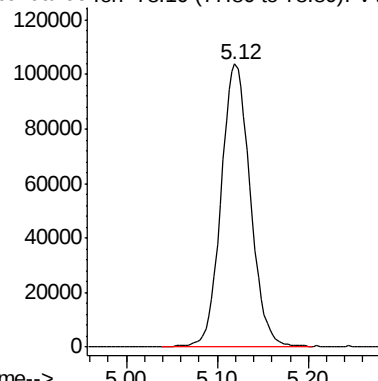
Acq: 24 Jul 2020 11:52

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 231804



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.983 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Tgt Ion: 95 Resp: 64428

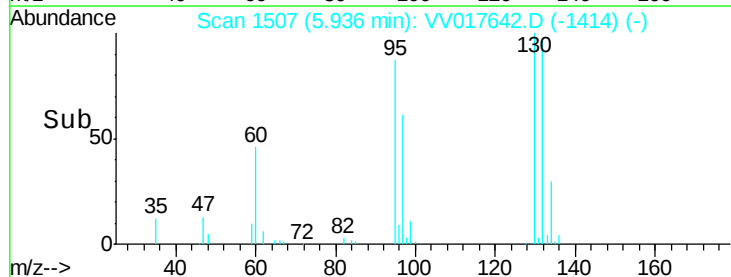
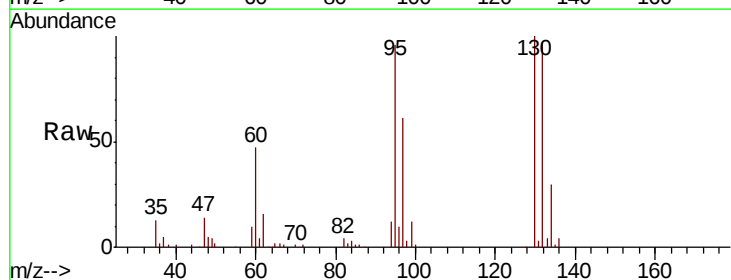
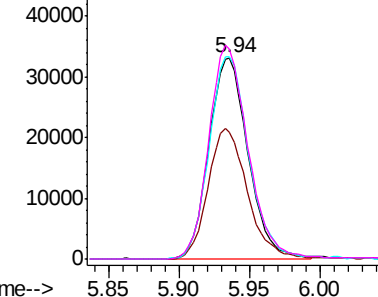
Ion	Ratio	Lower	Upper
95	100		
97	63.3	46.1	85.5
132	100.6	71.7	133.1
130	104.2	74.3	137.9

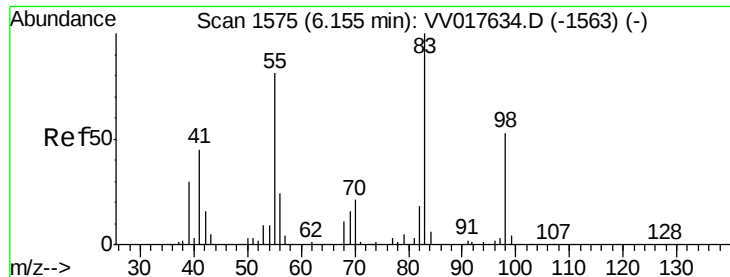
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

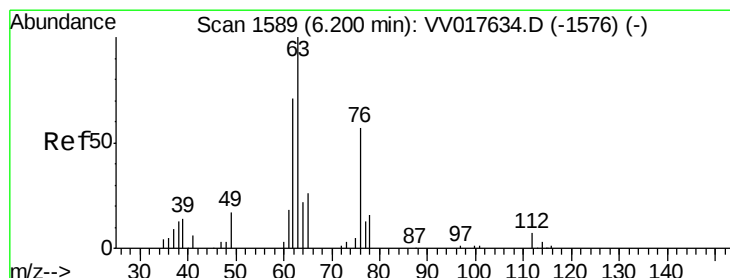
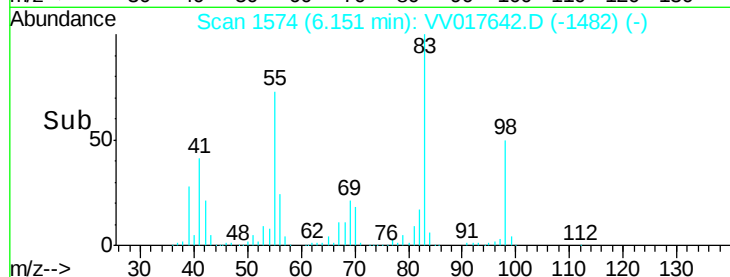
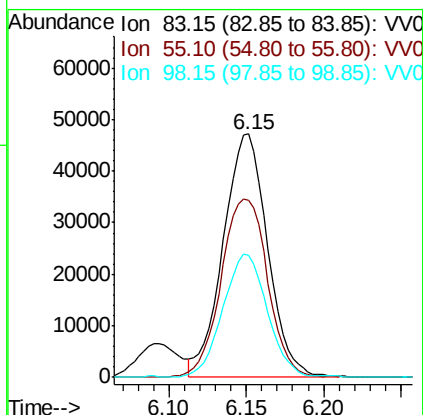
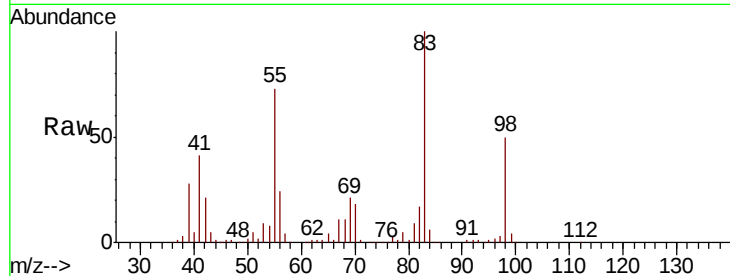




#35
Methvlcvclohexane
Concen: 4.814 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

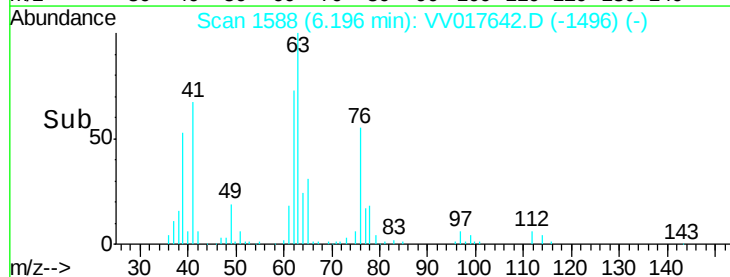
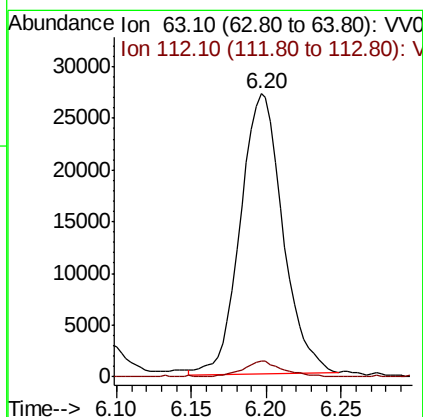
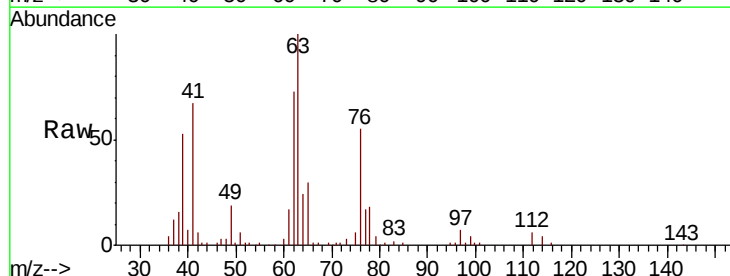
Instrument :
MSVOA_V
ClientSampled :

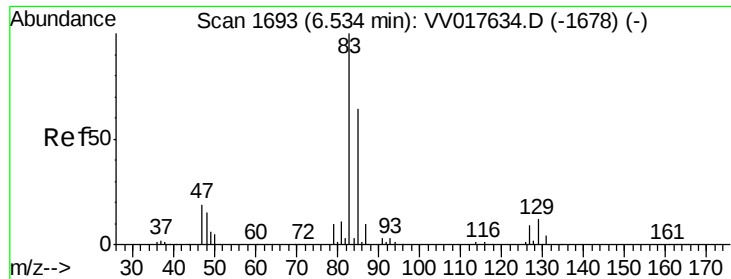
Tot Ion: 83 Resp: 94152
Ion Ratio Lower Upper
83 100
55 76.7 61.8 92.8
98 50.5 39.0 58.6



#37
1,2-Dichloropropane
Concen: 4.924 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 63 Resp: 53567
Ion Ratio Lower Upper
63 100
112 5.3 4.5 6.7

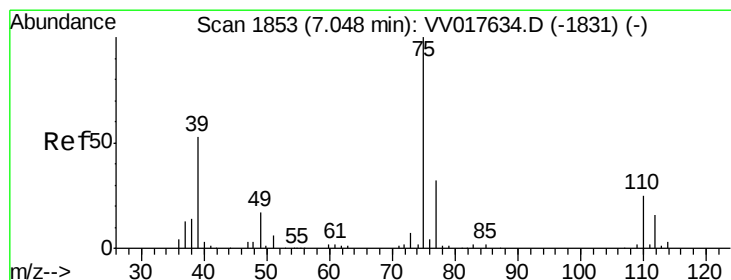
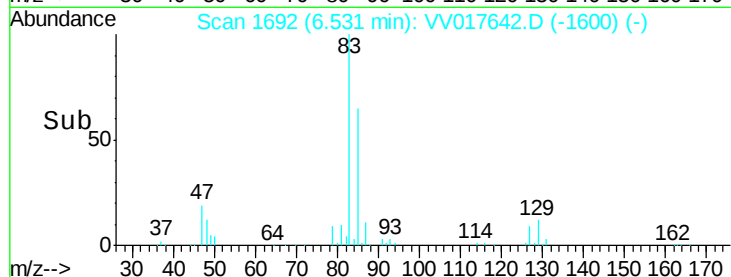
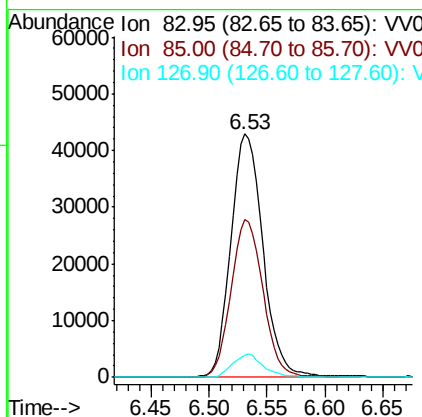
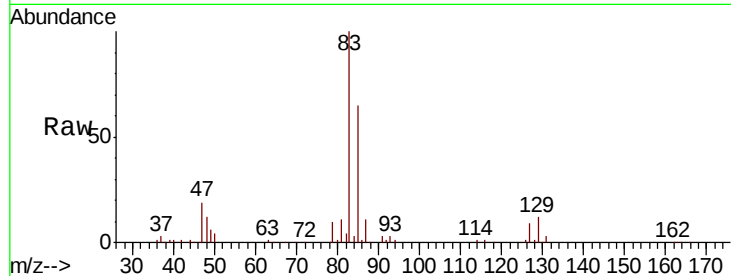




#38
 Bromodichloromethane
 Concen: 5.142 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

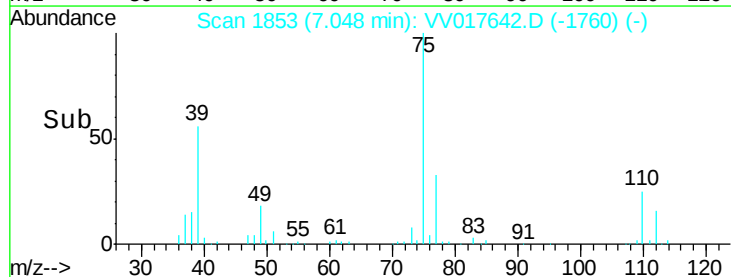
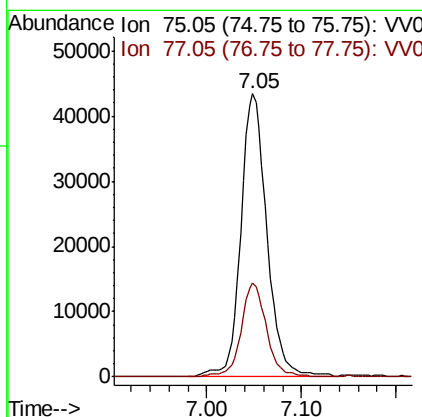
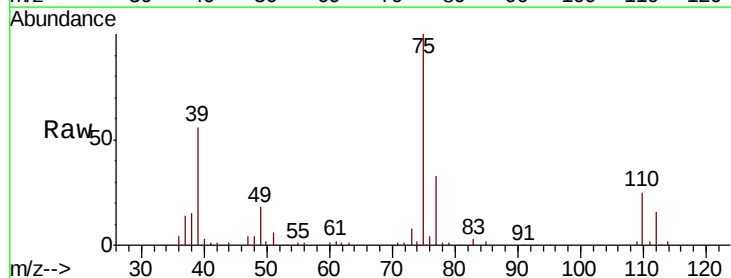
Instrument :
 MSVOA_V
 ClientSampleId :

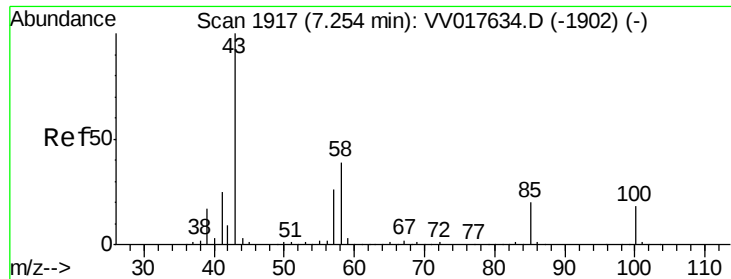
Tot Ion: 83 Resp: 82289
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.7 83.1
 127 9.3 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 5.064 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Tgt Ion: 75 Resp: 83095
 Ion Ratio Lower Upper
 75 100
 77 33.2 23.2 43.2

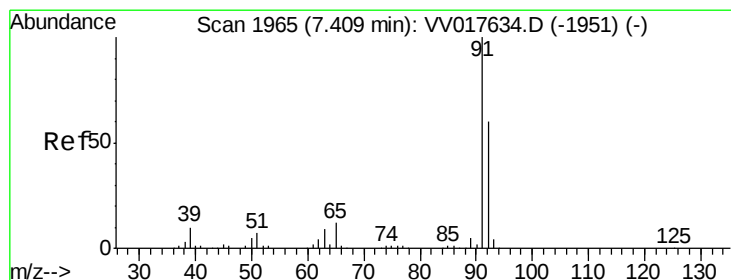
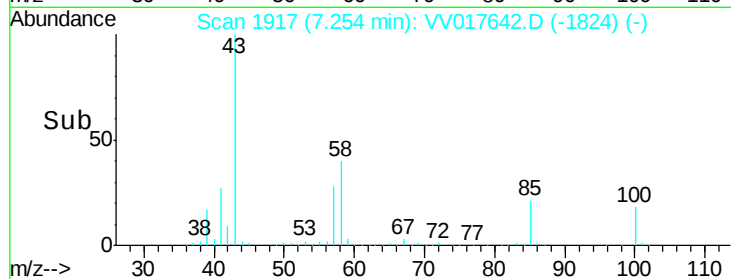
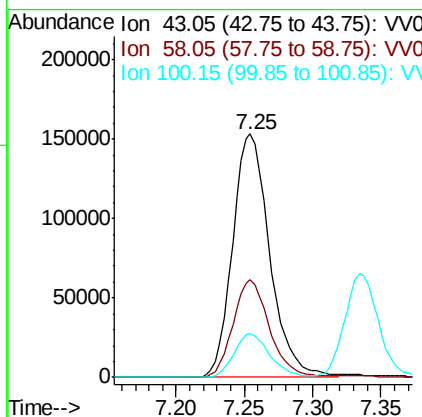
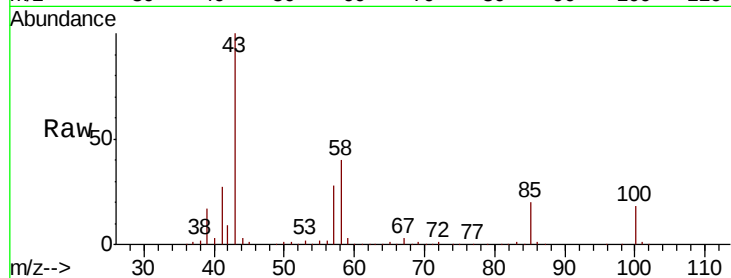




#40
4-Methyl-2-pentanone
Concen: 48.485 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

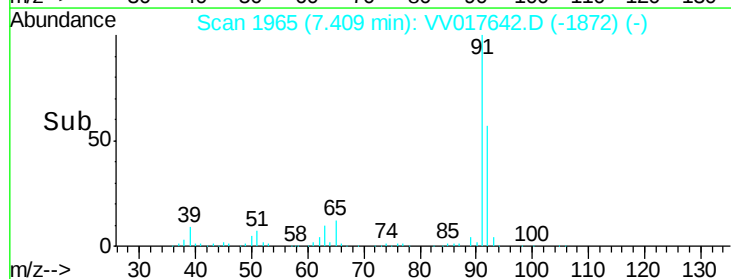
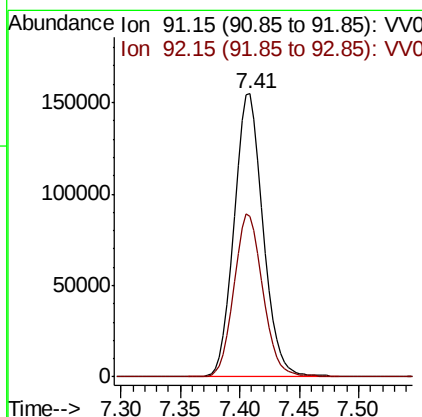
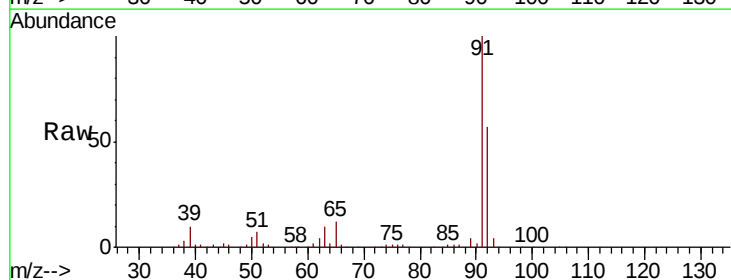
Instrument :
MSVOA_V
ClientSampleId :

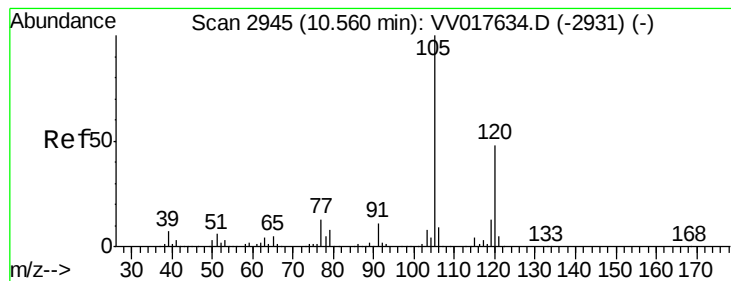
Tot Ion: 43 Resp: 289208
Ion Ratio Lower Upper
43 100
58 39.4 31.2 46.8
100 17.4 13.6 20.4



#42
Toluene
Concen: 5.178 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 91 Resp: 261496
Ion Ratio Lower Upper
91 100
92 56.9 40.8 75.8





#43

1,3,5-Trimethylbenzene

Concen: 5.287 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :

MSVOA_V

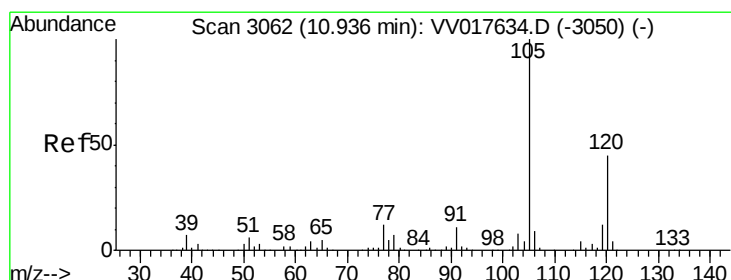
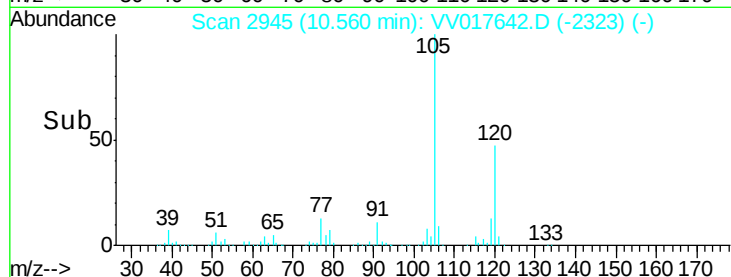
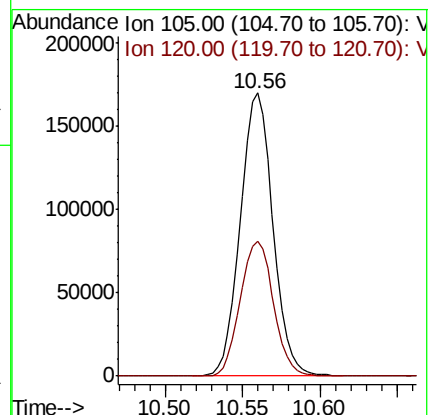
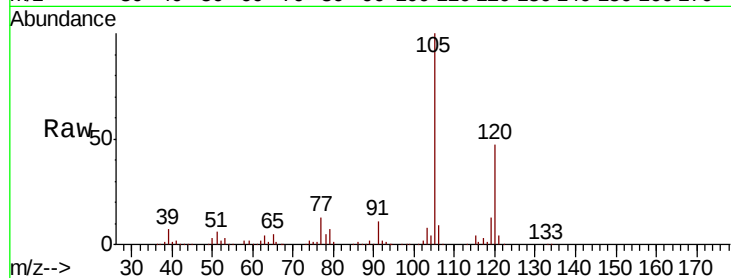
ClientSampleId :

Tot Ion:105 Resp: 249269

Ion Ratio Lower Upper

105 100

120 48.6 39.4 59.2



#44

1,2,4-Trimethylbenzene

Concen: 5.366 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV017642.D

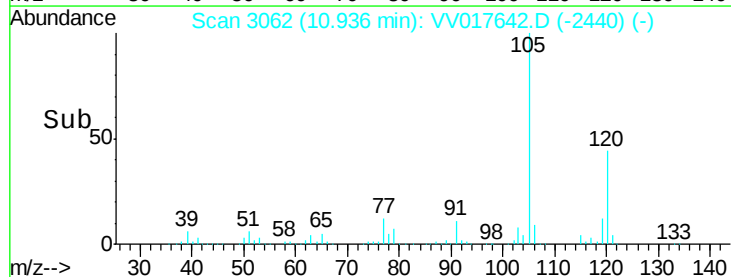
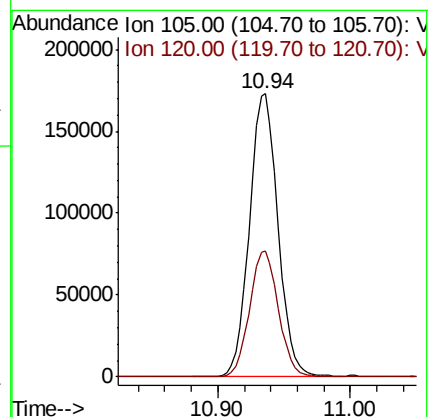
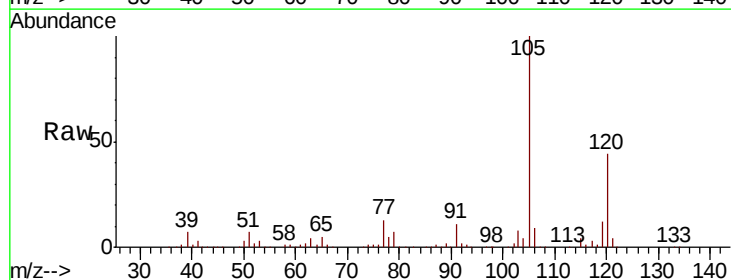
Acq: 24 Jul 2020 11:52

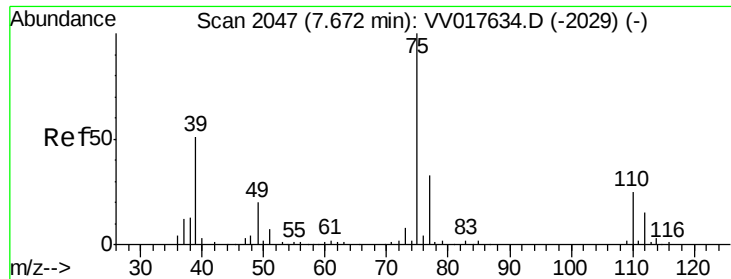
Tgt Ion:105 Resp: 258492

Ion Ratio Lower Upper

105 100

120 44.8 35.9 53.9

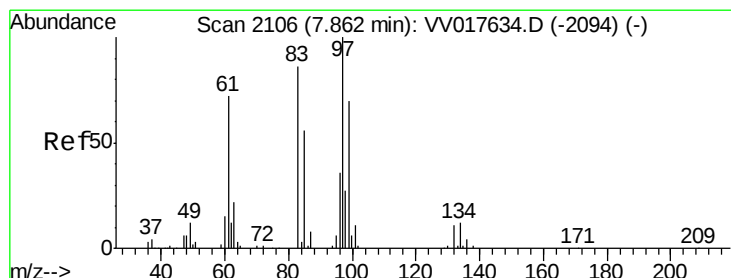
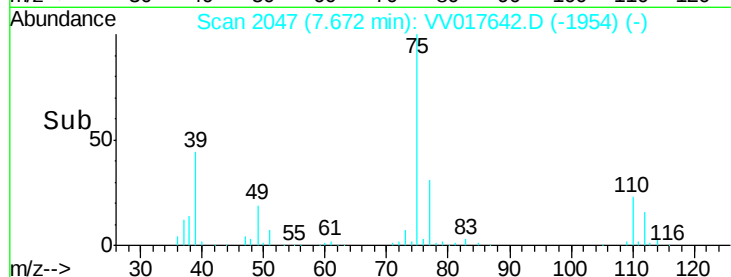
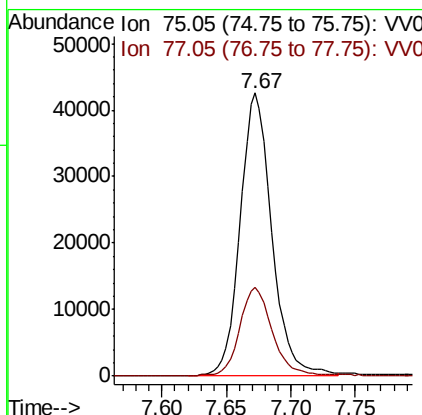
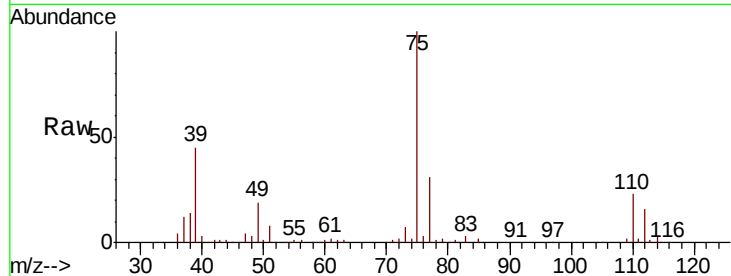




#46
trans-1,3-Dichloropropene
Concen: 4.954 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

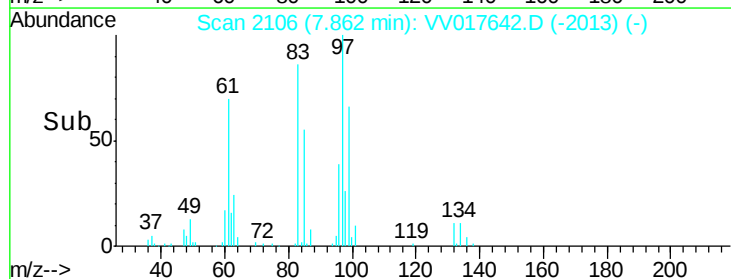
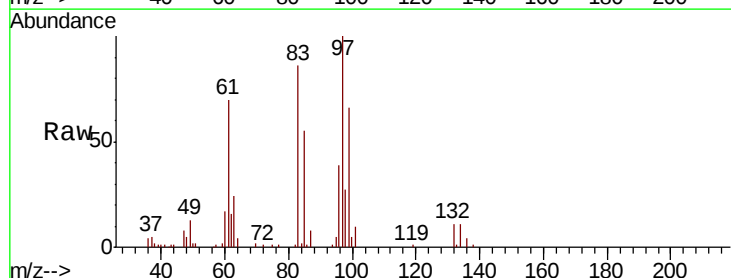
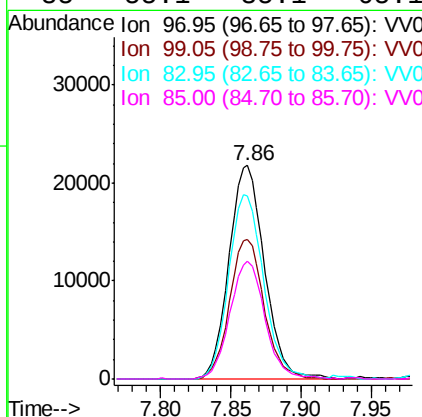
Instrument :
MSVOA_V
ClientSampleId :

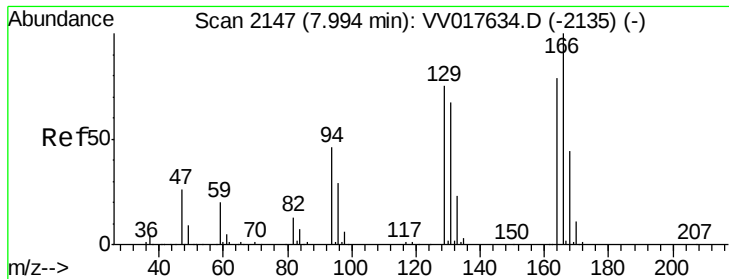
Tot Ion: 75 Resp: 72971
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.7



#47
1,1,2-Trichloroethane
Concen: 4.658 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 97 Resp: 38428
Ion Ratio Lower Upper
97 100
99 65.5 39.5 73.4
83 85.5 52.6 97.6
85 55.1 35.1 65.1

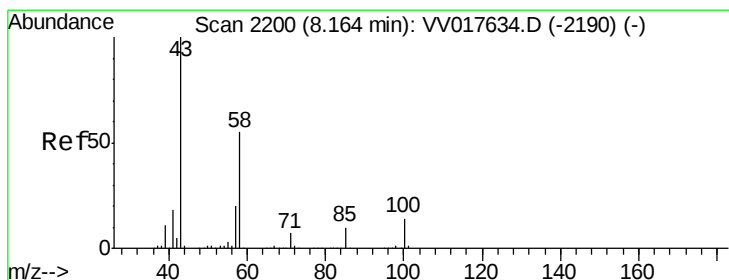
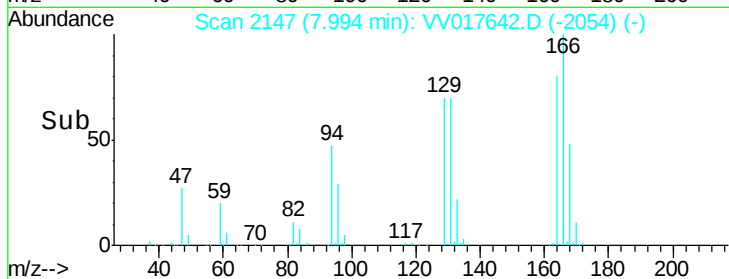
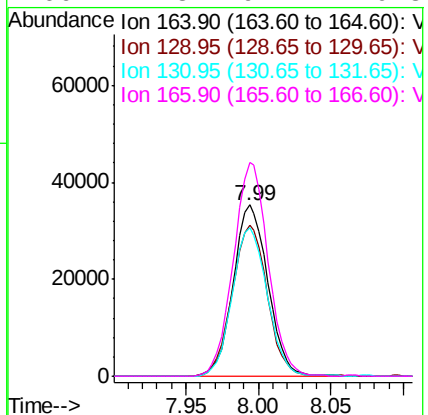
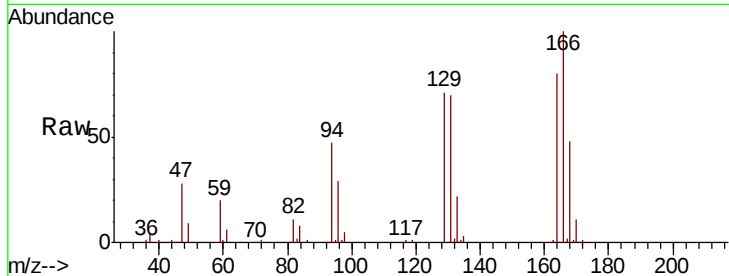




#49
Tetrachloroethene
Concen: 5.138 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

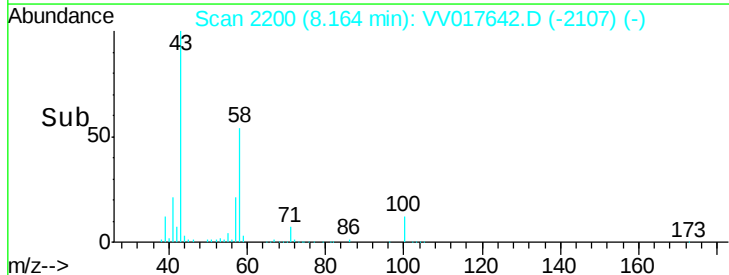
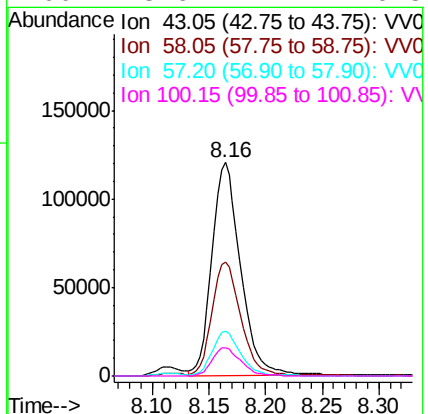
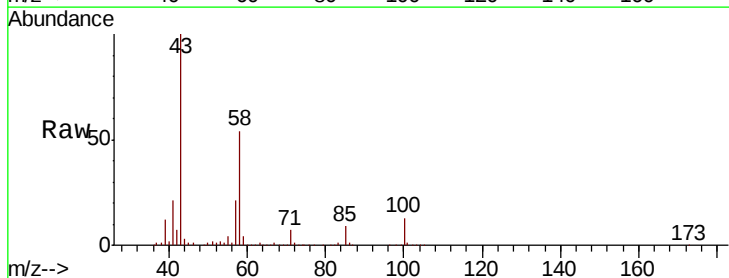
Instrument :
MSVOA_V
ClientSampleId :

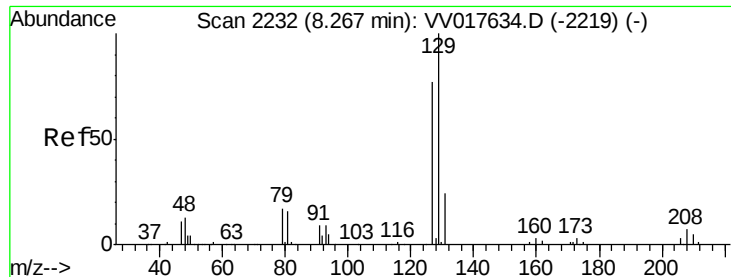
Tot Ion:164 Resp: 58575
Ion Ratio Lower Upper
164 100
129 88.1 65.0 120.8
131 86.8 63.6 118.2
166 124.8 91.7 170.3



#50
2-Hexanone
Concen: 50.151 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion: 43 Resp: 211666
Ion Ratio Lower Upper
43 100
58 53.3 41.6 62.4
57 19.6 15.4 23.0
100 13.6 11.2 16.8

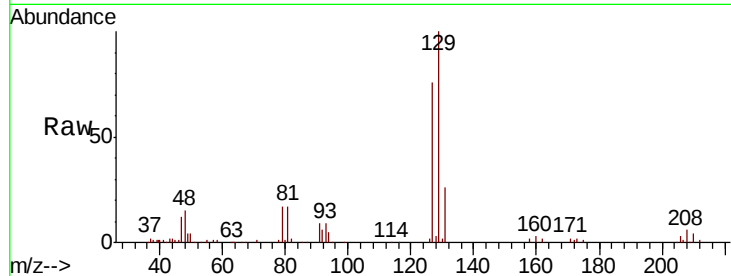




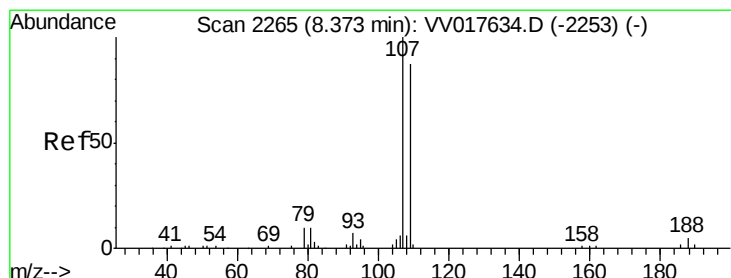
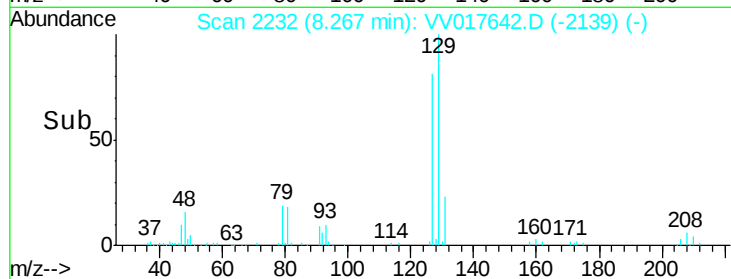
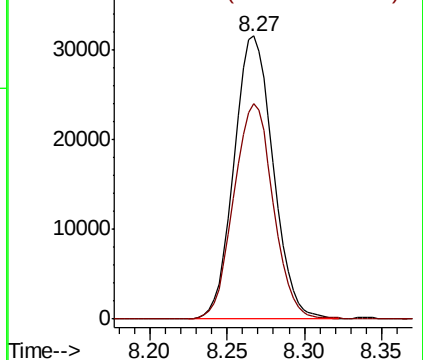
#51
 Dibromochloromethane
 Concen: 5.282 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 55467
 Ion Ratio Lower Upper
 129 100
 127 76.2 56.3 104.5

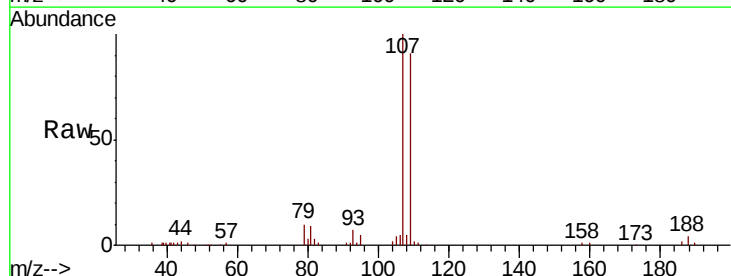


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V

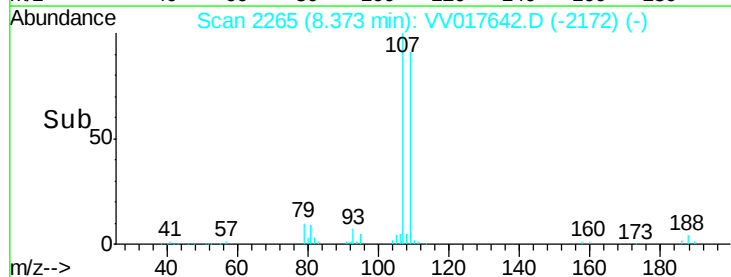
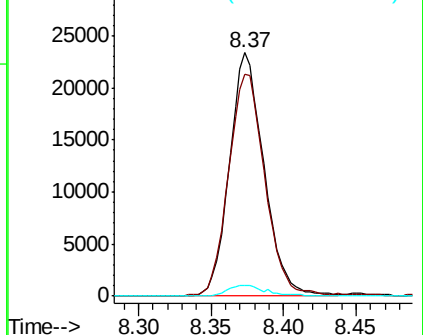


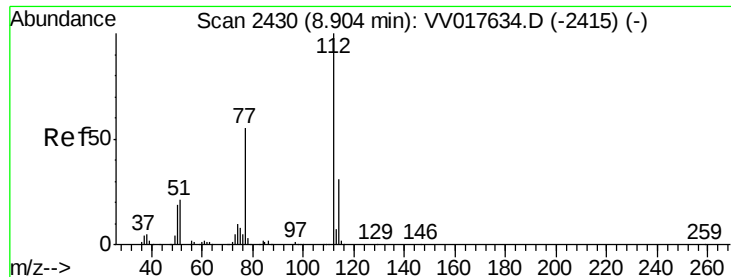
#52
 1,2-Dibromoethane
 Concen: 4.954 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Tgt Ion:107 Resp: 38568
 Ion Ratio Lower Upper
 107 100
 109 91.3 65.5 121.7
 188 4.5 3.7 5.5



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





#53

Chlorobenzene

Concen: 5.127 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :

MSVOA_V

ClientSampled :

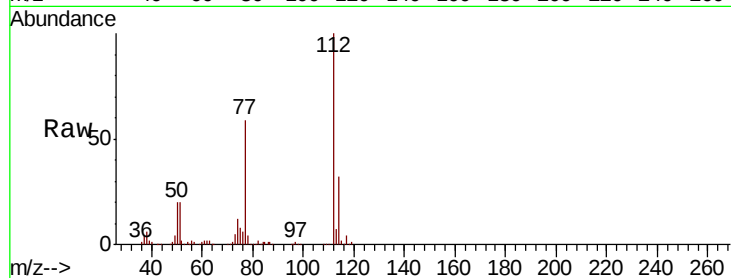
Tot Ion:112 Resp: 172597

Ion Ratio Lower Upper

112 100

114 32.1 23.2 43.2

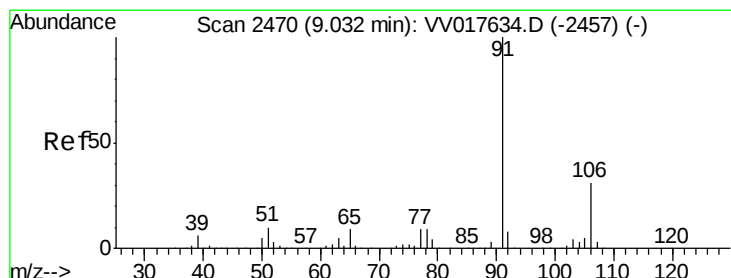
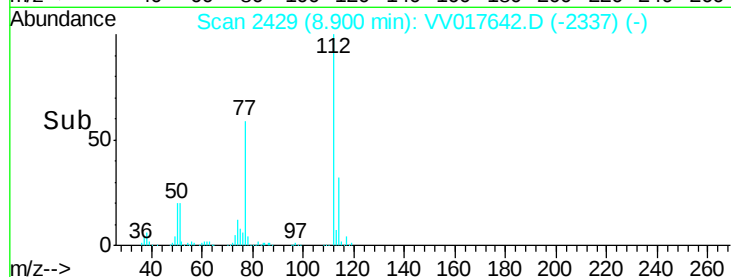
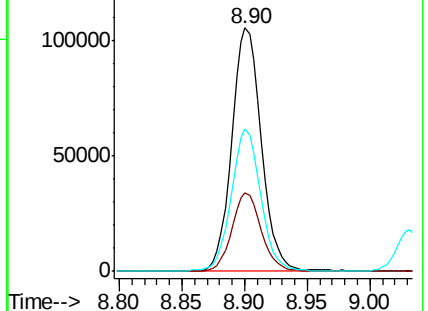
77 58.6 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 5.151 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017642.D

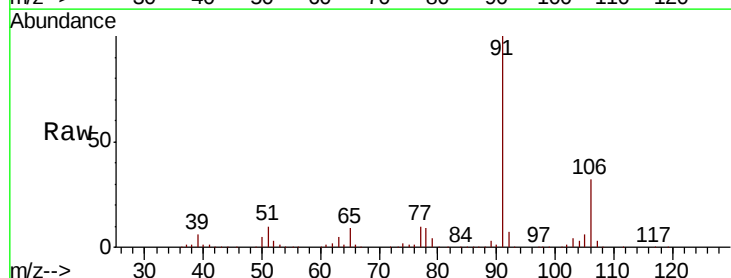
Acq: 24 Jul 2020 11:52

Tgt Ion: 91 Resp: 291218

Ion Ratio Lower Upper

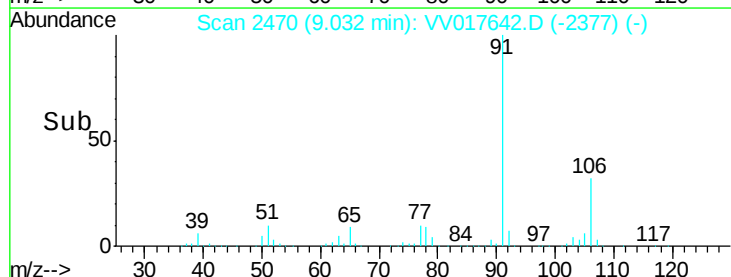
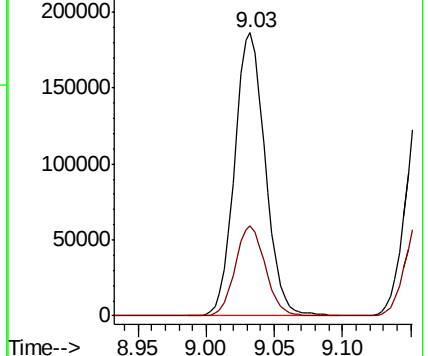
91 100

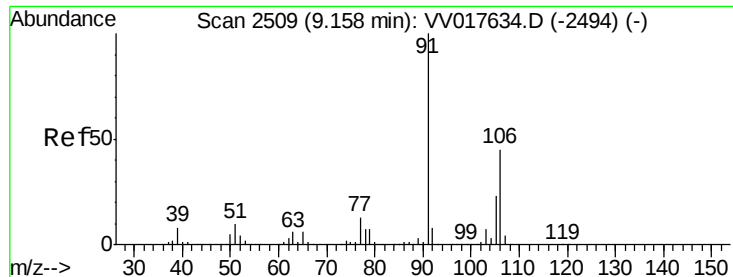
106 31.7 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 5.300 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

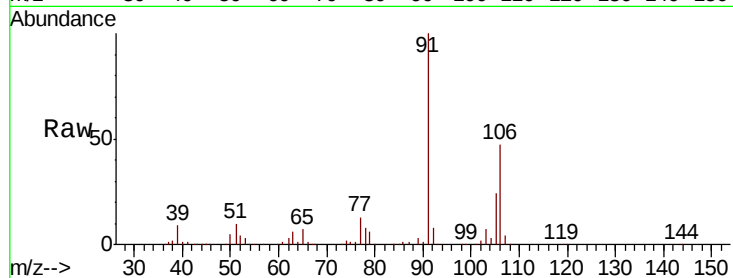
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 112848

Ion Ratio Lower Upper

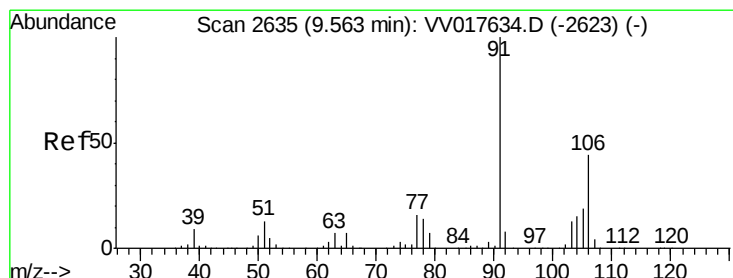
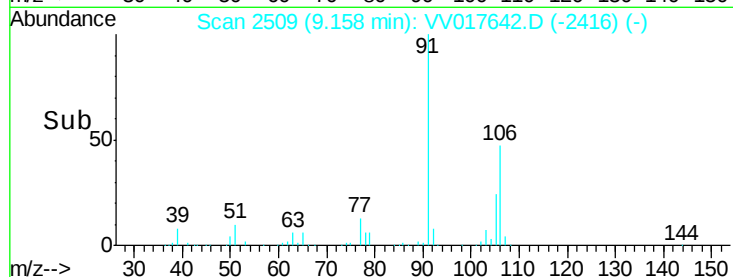
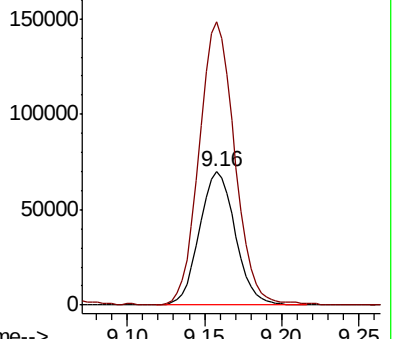
106 100

91 212.0 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 5.267 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017642.D

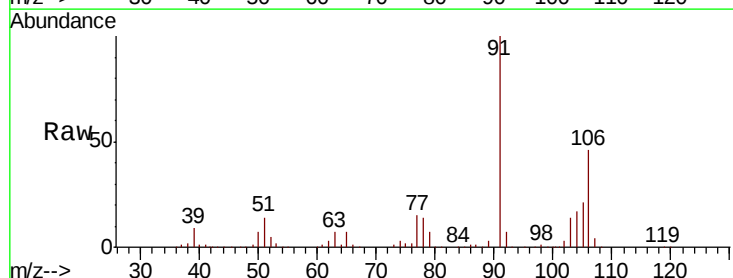
Acq: 24 Jul 2020 11:52

Tgt Ion:106 Resp: 108838

Ion Ratio Lower Upper

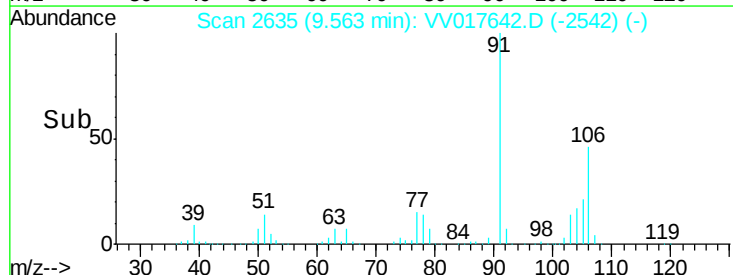
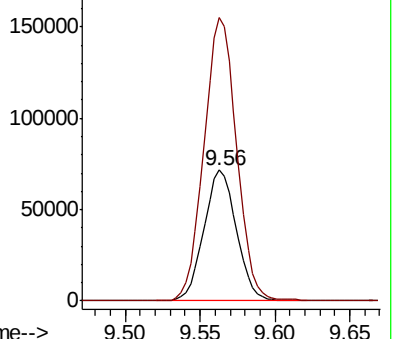
106 100

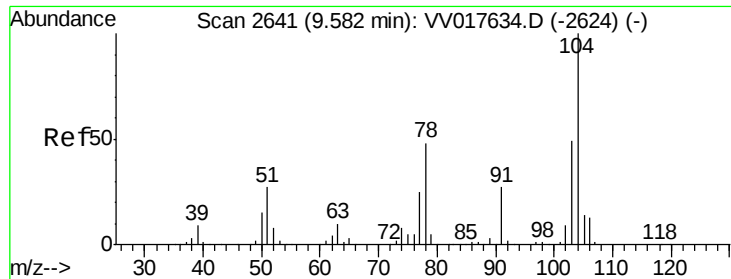
91 216.5 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

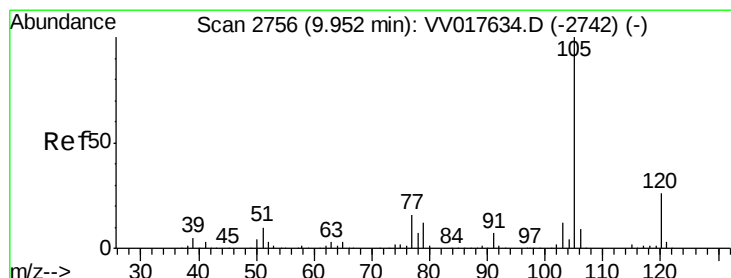
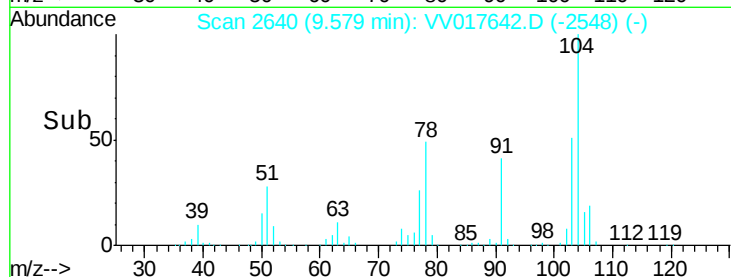
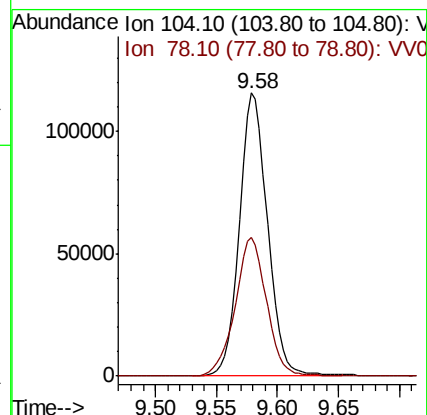
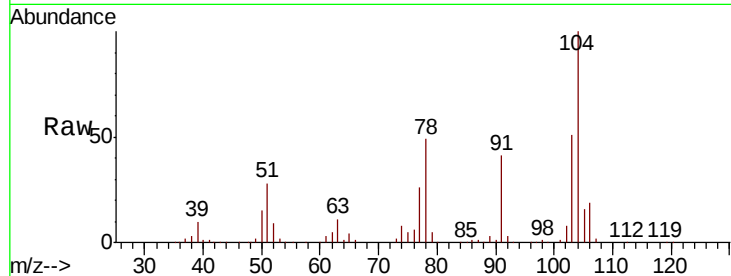




#57
Stvrene
Concen: 5.371 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

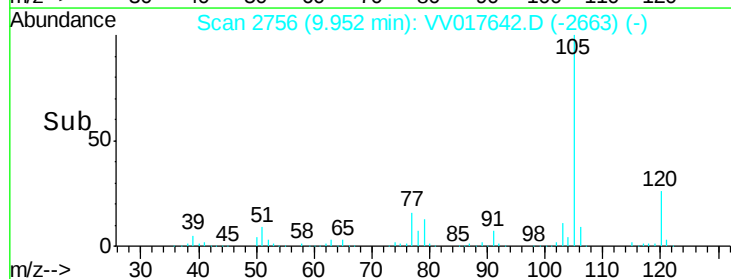
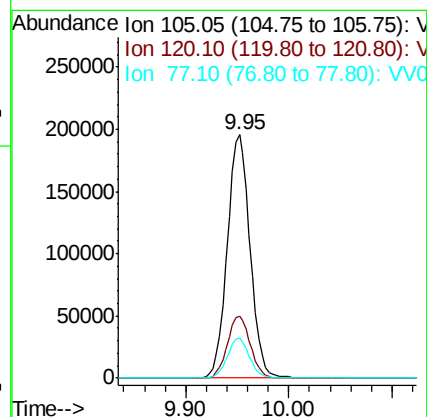
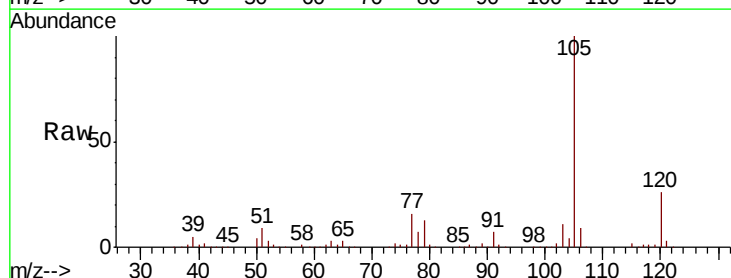
Instrument :
MSVOA_V
ClientSampled :

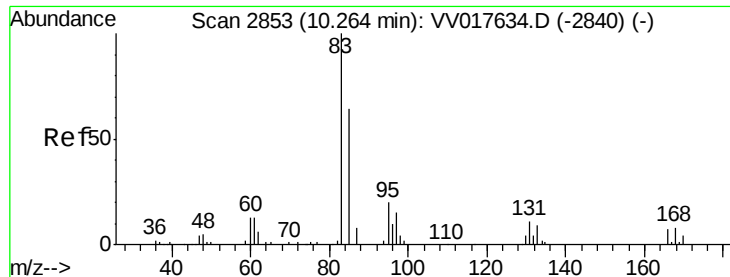
Tot Ion:104 Resp: 185194
Ion Ratio Lower Upper
104 100
78 49.0 34.0 63.2



#58
Isopropylbenzene
Concen: 5.261 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV017642.D
Acq: 24 Jul 2020 11:52

Tgt Ion:105 Resp: 299915
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7
77 16.2 13.0 19.6





#60

1,1,2,2-Tetrachloroethane

Concen: 4.919 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

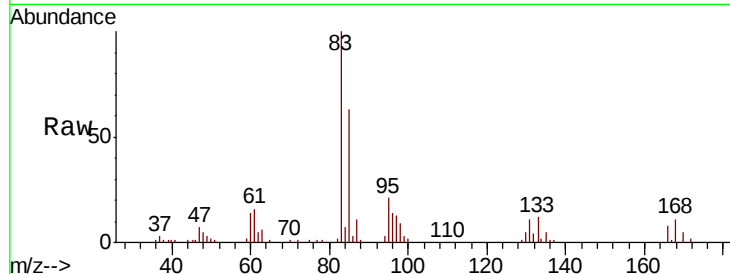
Tot Ion: 83 Resp: 44222

Ion Ratio Lower Upper

83 100

85 62.6 44.4 82.5

131 11.5 9.2 13.8

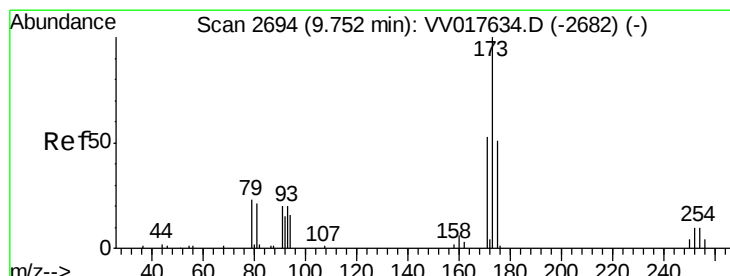
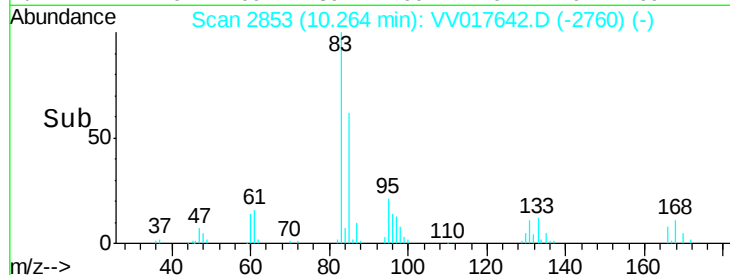


Abundance Ion 82.95 (82.65 to 83.65): VV017642.D (-2601) (-)

Ion 85.00 (84.70 to 85.70): VV017642.D (-2601) (-)

Ion 130.95 (130.65 to 131.65): VV017642.D (-2601) (-)

Time-->



#62

Bromoform

Concen: 4.885 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

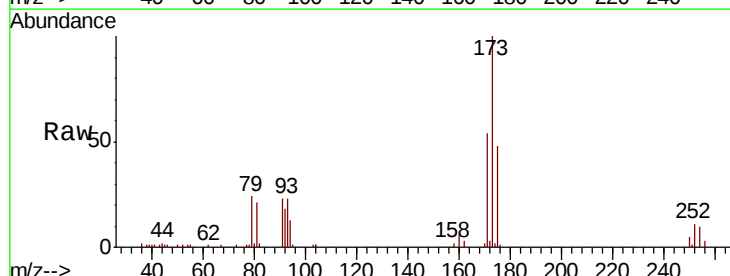
Tgt Ion: 173 Resp: 29458

Ion Ratio Lower Upper

173 100

175 48.9 39.6 59.4

254 10.2 8.4 12.6

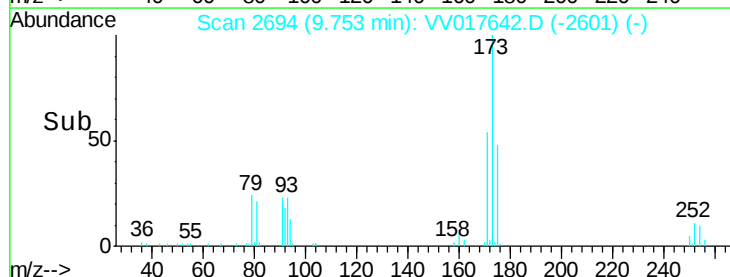


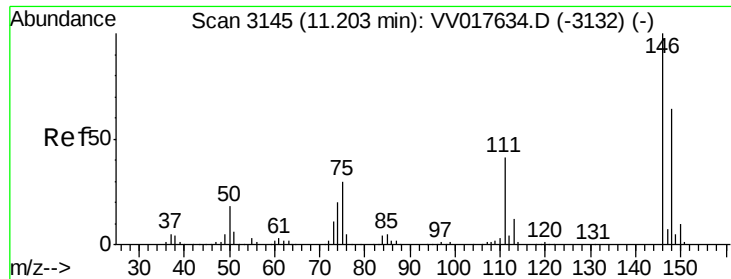
Abundance Ion 172.90 (172.60 to 173.60): VV017642.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV017642.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV017642.D (-2601) (-)

Time-->

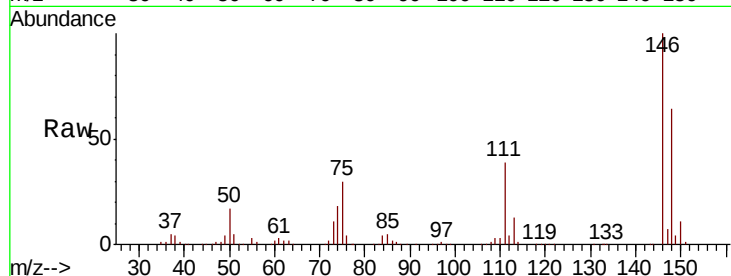




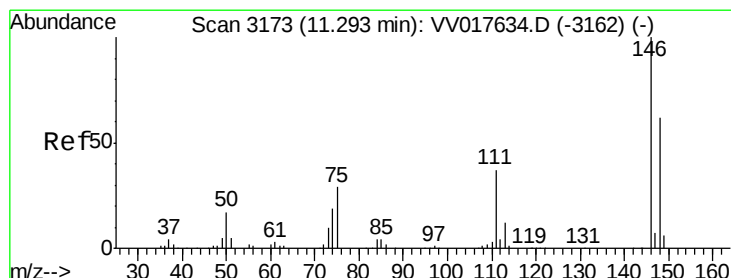
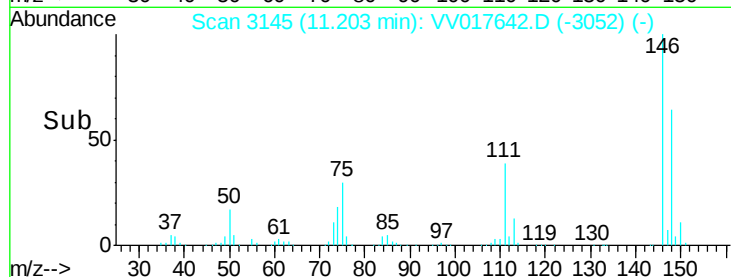
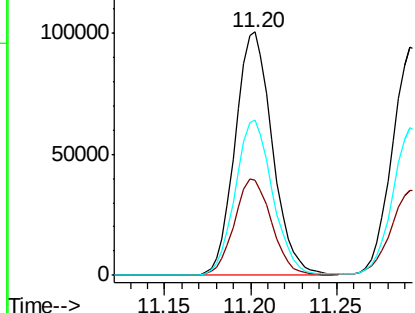
#63
 1,3-Dichlorobenzene
 Concen: 4.993 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 151471
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.3 50.7
 148 63.6 45.6 84.6

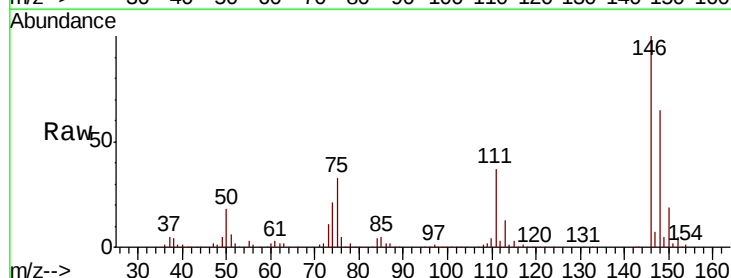


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

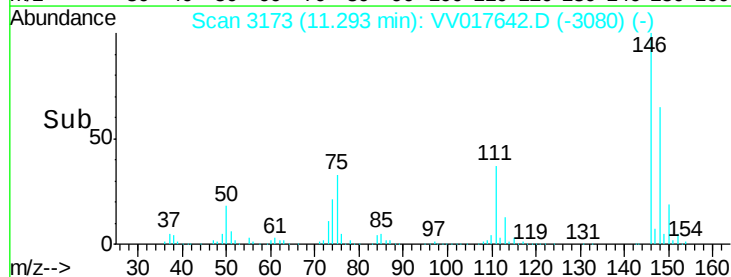
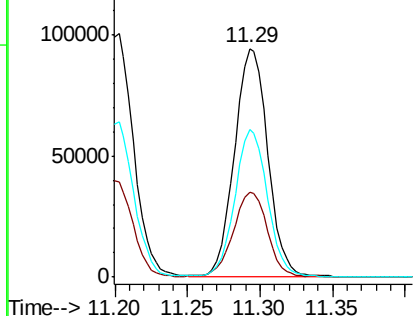


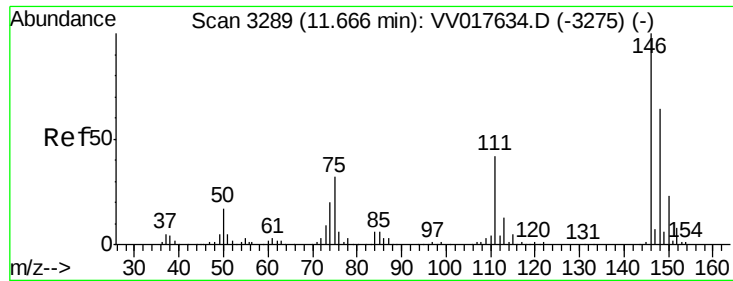
#64
 1,4-Dichlorobenzene
 Concen: 4.916 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Tgt Ion:146 Resp: 149663
 Ion Ratio Lower Upper
 146 100
 111 37.1 27.4 51.0
 148 64.7 43.8 81.4



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

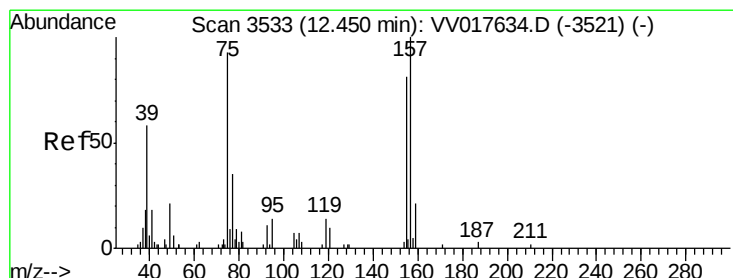
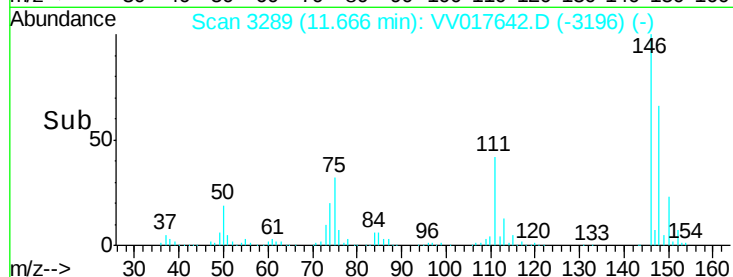
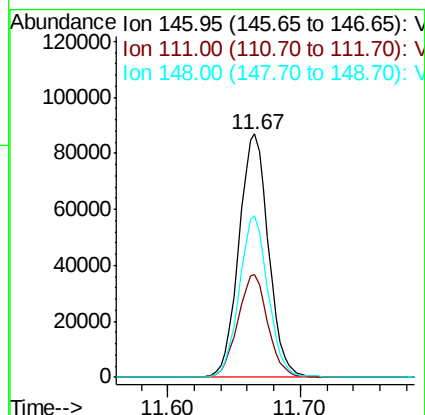
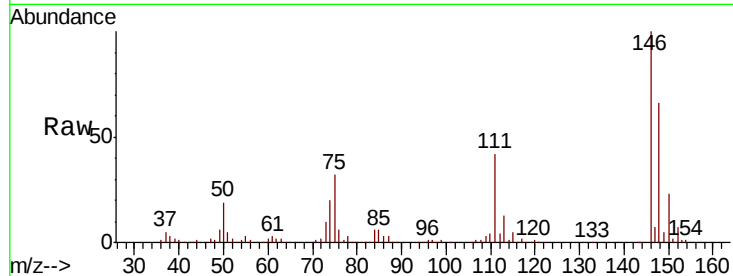




#66
 1,2-Dichlorobenzene
 Concen: 4.872 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

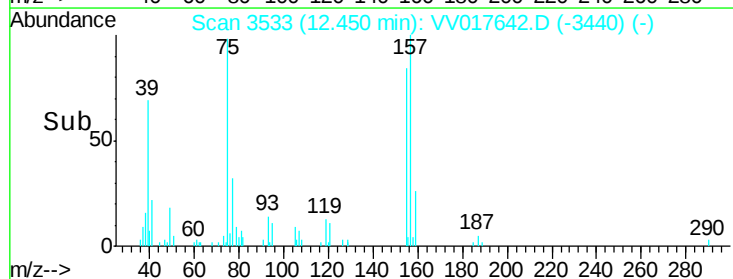
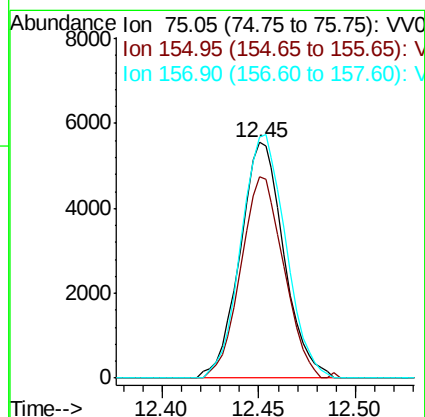
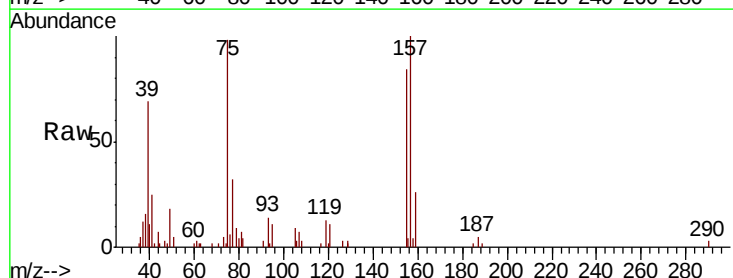
Instrument :
 MSVOA_V
 ClientSampleId :

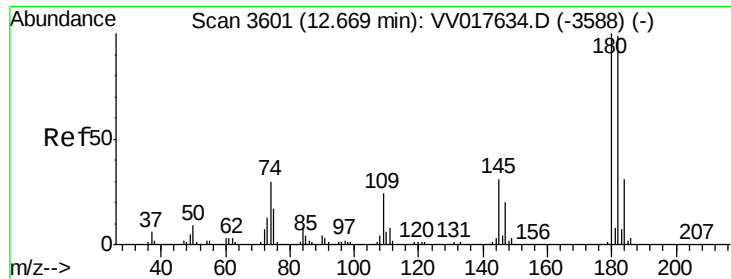
Tot Ion:146 Resp: 134636
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.0 49.4
 148 66.3 49.9 74.9



#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.079 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Tgt Ion: 75 Resp: 8777
 Ion Ratio Lower Upper
 75 100
 155 85.7 68.7 103.1
 157 102.5 87.8 131.8

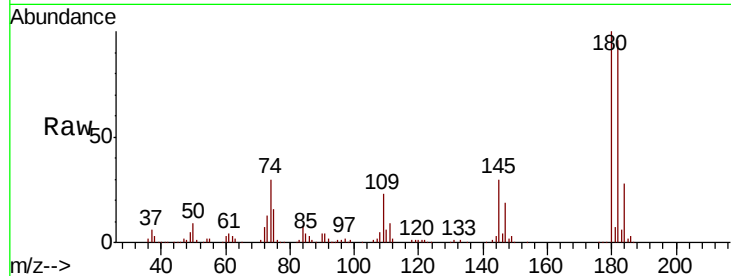




#68
 1,3,5-Trichlorobenzene
 Concen: 4.899 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.1	115.7
184	30.1	25.2	37.8
145	29.7	24.1	36.1



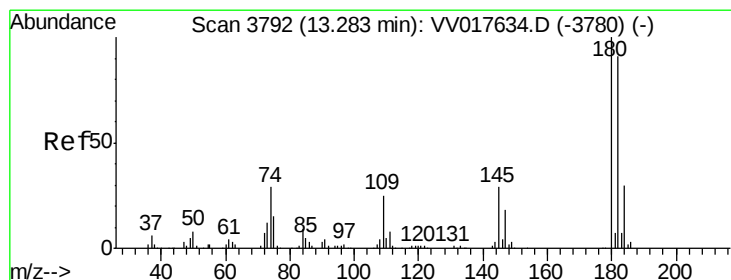
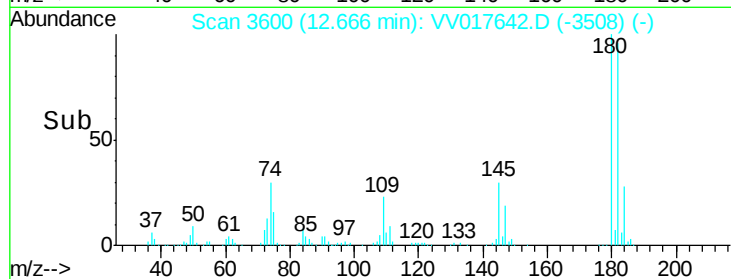
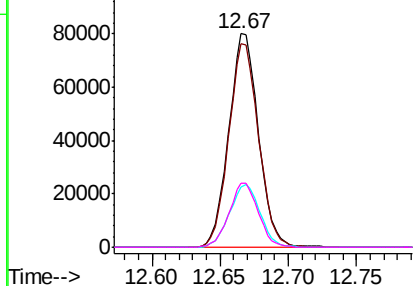
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

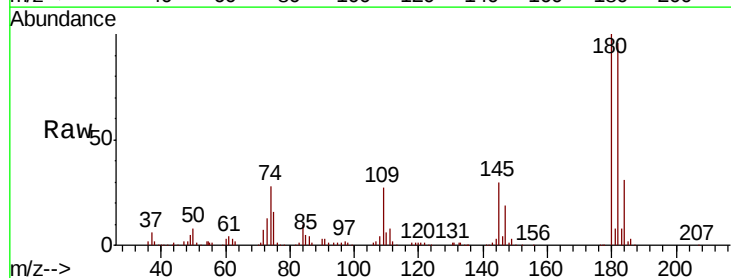
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#69
 1,2,4-trichlorobenzene
 Concen: 4.768 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017642.D
 Acq: 24 Jul 2020 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.2
145	30.6	24.2	36.2

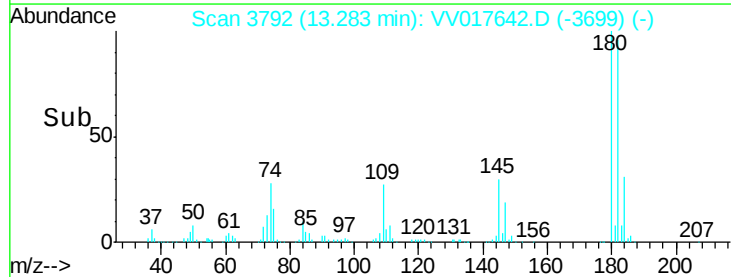
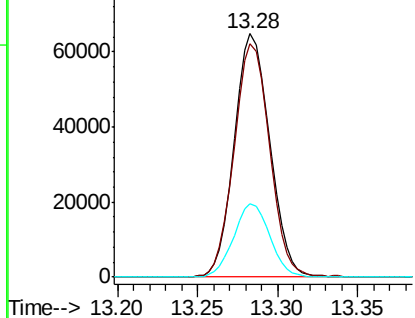


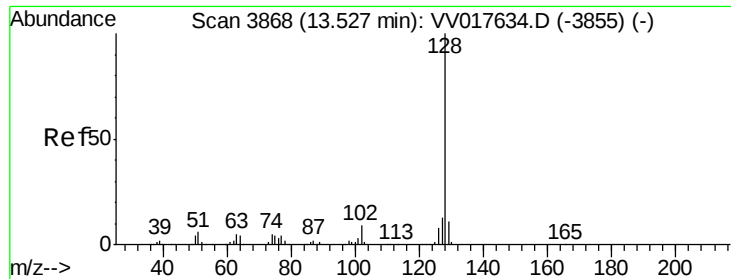
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#70

Naphthalene

Concen: 4.648 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

Instrument :

MSVOA_V

ClientSampled :

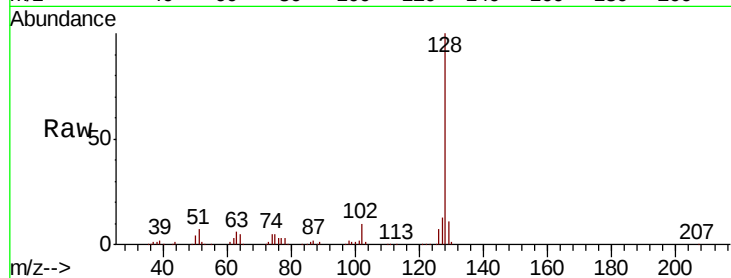
Tot Ion:128 Resp: 133582

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

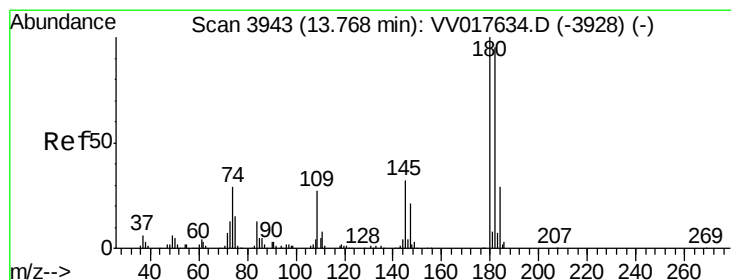
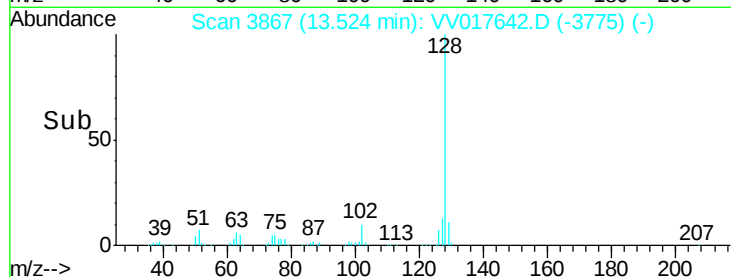
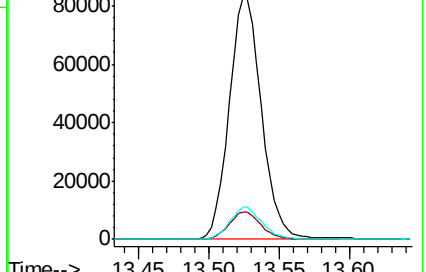
127 13.3 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 4.875 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017642.D

Acq: 24 Jul 2020 11:52

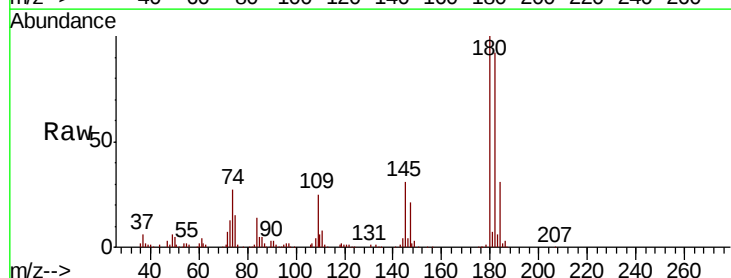
Tgt Ion:180 Resp: 89040

Ion Ratio Lower Upper

180 100

182 93.1 74.2 111.4

145 32.6 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

