

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\
 Data File : VV015904.D
 Acq On : 06 May 2020 10:00
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 01:57:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 06 12:58:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161373	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158375	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	79701	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46534	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.57	69	41161	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.12	63	96175	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	3.95	46	127944	49.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.44%
24) Chloroform-d	4.37	84	98984	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.06	65	55300	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.07	84	192212	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.09	67	57493	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.33	98	181732	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.64	79	23586	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.11	63	104422	49.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	41817	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	64205	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	65969	5.107	ug/L 99
3) Chloromethane	1.24	50	64456	5.008	ug/L 99
5) Vinyl chloride	1.32	62	61055	4.949	ug/L 98
6) Bromomethane	1.53	94	33879	4.958	ug/L 100
8) Chloroethane	1.59	64	37843	5.043	ug/L 97
9) Trichlorofluoromethane	1.76	101	83682	5.039	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	46764	4.938	ug/L 99
12) 1,1-Dichloroethene	2.13	96	44535	4.922	ug/L 84
13) Acetone	2.24	43	83599	52.764	ug/L 91
14) Carbon disulfide	2.30	76	153091	5.189	ug/L 99
15) Methyl Acetate	2.46	43	19834	5.380	ug/L 98
16) Methylene chloride	2.52	84	51696	4.057	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	118958	4.963	ug/L 99
18) trans-1,2-Dichloroethene	2.77	96	51463	5.062	ug/L 98
19) 1,1-Dichloroethane	3.21	63	97987	5.049	ug/L 99
21) 2-Butanone	4.03	43	131977	49.857	ug/L 98
22) cis-1,2-Dichloroethene	3.93	96	53534	5.053	ug/L 98

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 01:57:42 2020
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 QLast Update : Wed May 06 12:58:01 2020
 Response via : Initial Calibration

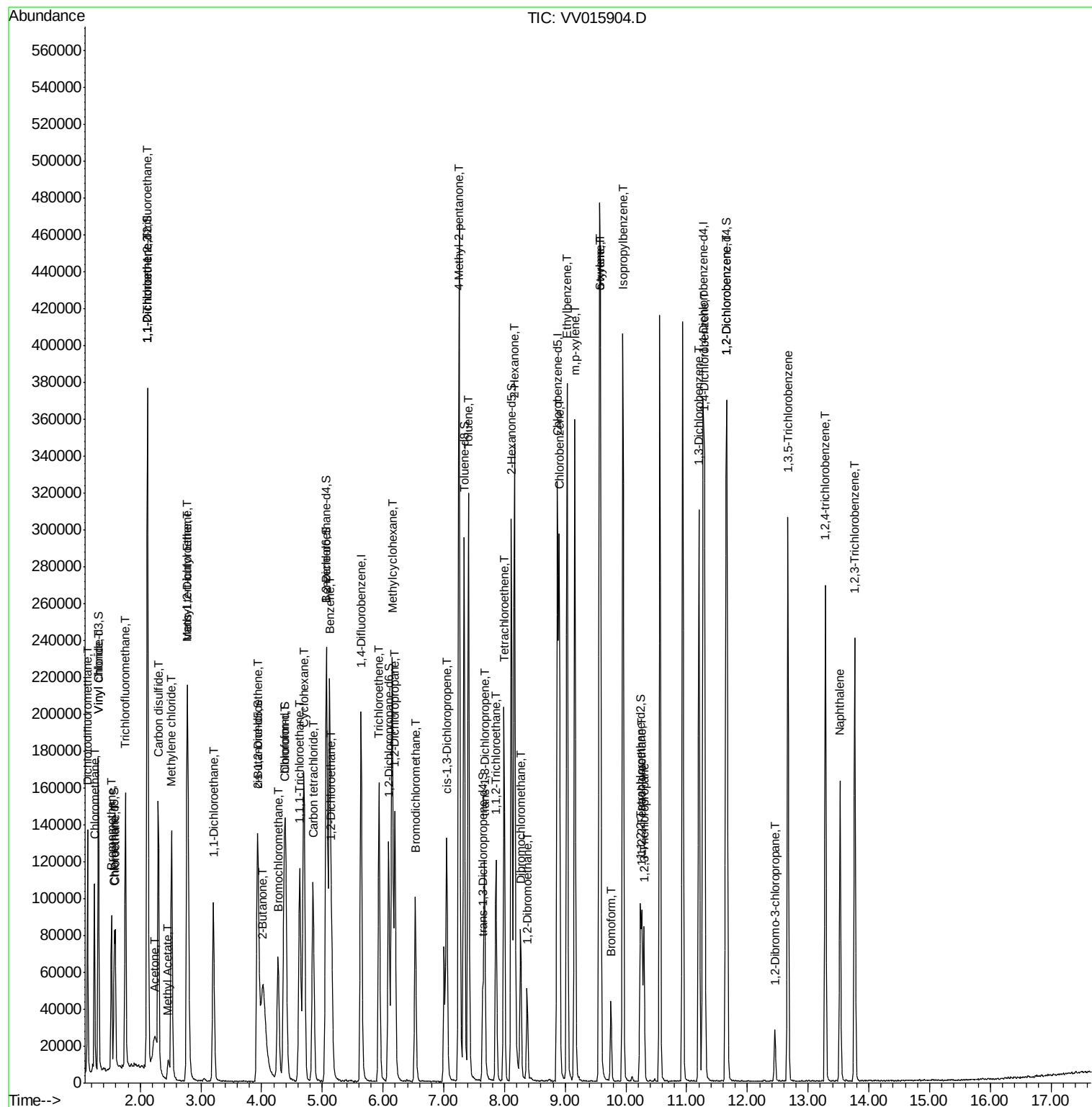
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	22371	5.061	ug/L	96
25) Chloroform	4.40	83	103162	4.884	ug/L	100
27) 1,2-Dichloroethane	5.15	62	64903	4.960	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	92039	5.094	ug/L	100
30) Cyclohexane	4.69	56	90572	4.898	ug/L	99
31) Carbon tetrachloride	4.85	117	79359	5.114	ug/L	97
33) Benzene	5.12	78	208885	5.032	ug/L	100
34) Trichloroethene	5.93	95	55908	4.951	ug/L	95
35) Methylcyclohexane	6.15	83	89504	4.844	ug/L	98
37) 1,2-Dichloropropane	6.19	63	53116	5.118	ug/L	99
38) Bromodichloromethane	6.53	83	65322	5.025	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	74571	5.107	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	330640	49.912	ug/L	100
42) Toluene	7.41	91	220958	5.003	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	63111	5.107	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	34820	4.978	ug/L	99
47) Tetrachloroethene	7.99	164	41510	4.929	ug/L	99
48) 2-Hexanone	8.16	43	236695	51.192	ug/L	99
49) Dibromochloromethane	8.27	129	38481	5.098	ug/L	98
50) 1,2-Dibromoethane	8.37	107	32110	4.865	ug/L	95
51) Chlorobenzene	8.90	112	139021	4.918	ug/L	97
52) Ethylbenzene	9.03	91	246733	4.909	ug/L	99
53) m,p-xylene	9.16	106	93562	4.973	ug/L	99
54) o-xylene	9.56	106	88991	4.974	ug/L	99
55) Styrene	9.58	104	153270	5.124	ug/L	100
56) Isopropylbenzene	9.95	105	246807	5.016	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	39311	4.879	ug/L #	96
59) 1,2,3-Trichloropropane	10.30	75	31511	4.955	ug/L	99
61) Bromoform	9.75	173	17764	5.223	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	112618	5.003	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	111243	4.986	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	102422	5.019	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	7248	5.113	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	83375	4.978	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	70240	4.987	ug/L	99
69) Naphthalene	13.53	128	117935	4.952	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	62948	4.989	ug/L	99

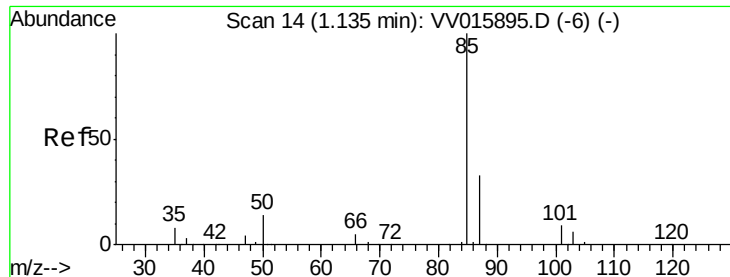
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#2

Dichlorodifluoromethane

Concen: 5.107 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

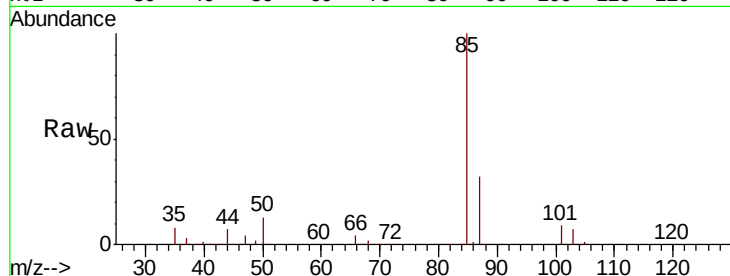
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 65969

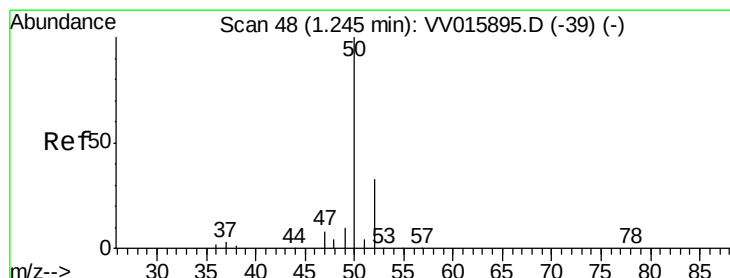
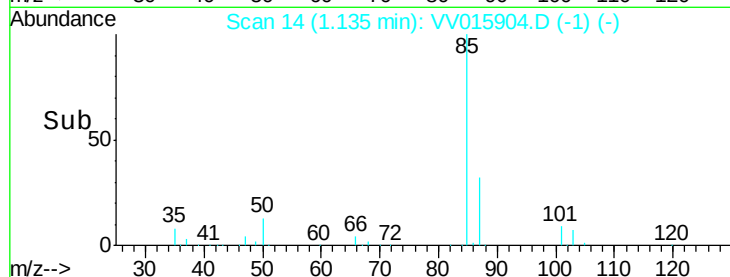
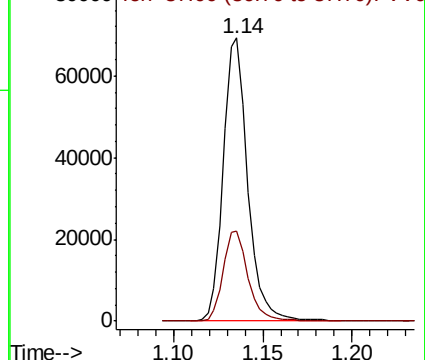
Ion Ratio Lower Upper

85 100

87 32.5 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.008 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015904.D

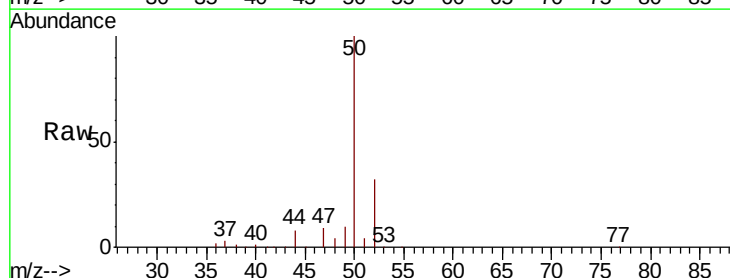
Acq: 06 May 2020 10:00

Tgt Ion: 50 Resp: 64456

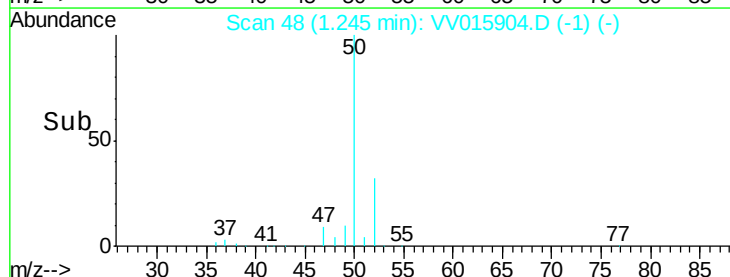
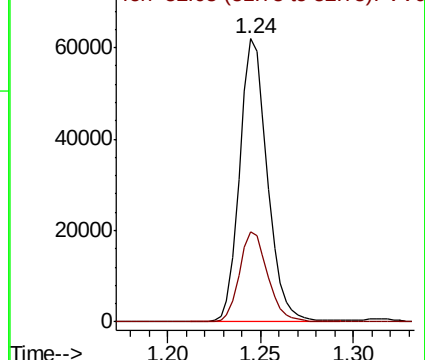
Ion Ratio Lower Upper

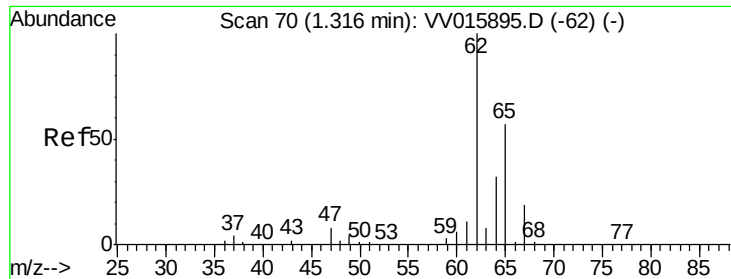
50 100

52 31.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.949 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

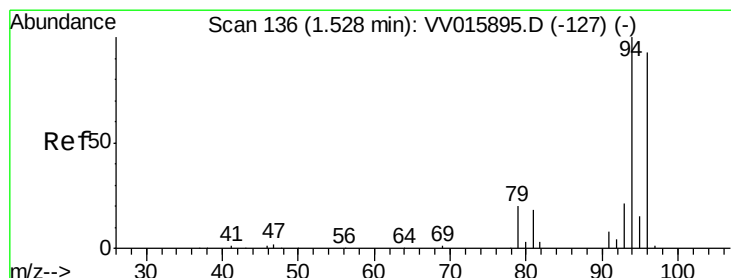
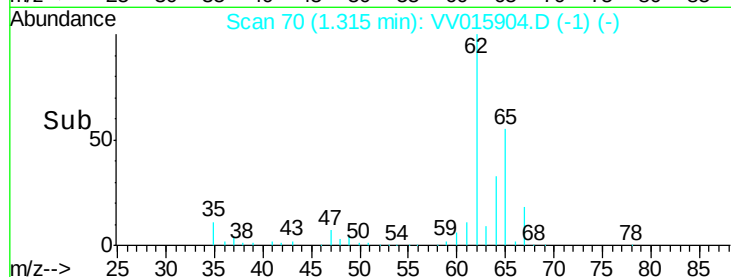
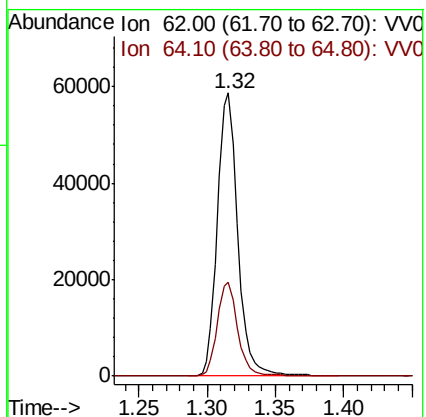
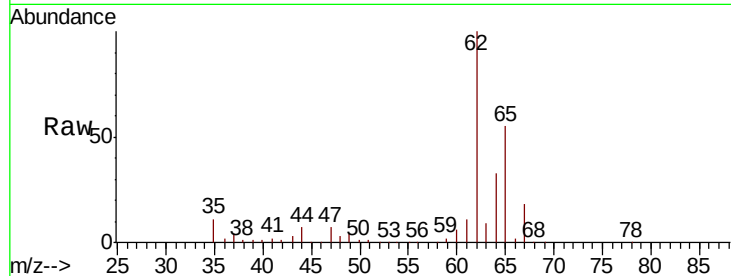
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 61055

Ion Ratio Lower Upper

62 100

64 33.3 22.4 41.6



#6

Bromomethane

Concen: 4.958 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015904.D

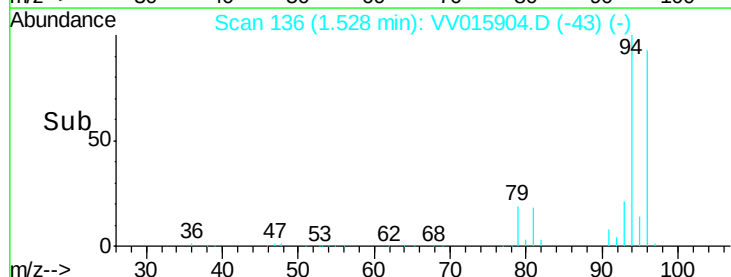
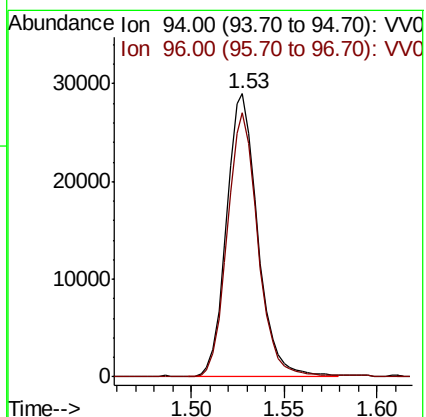
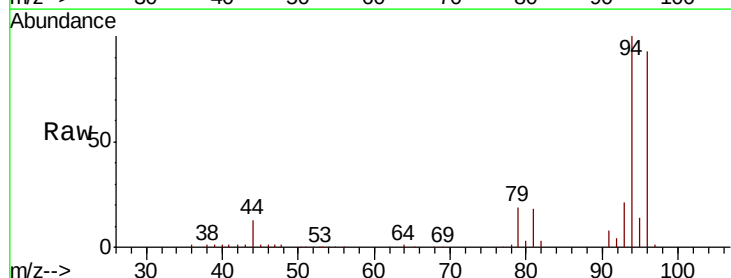
Acq: 06 May 2020 10:00

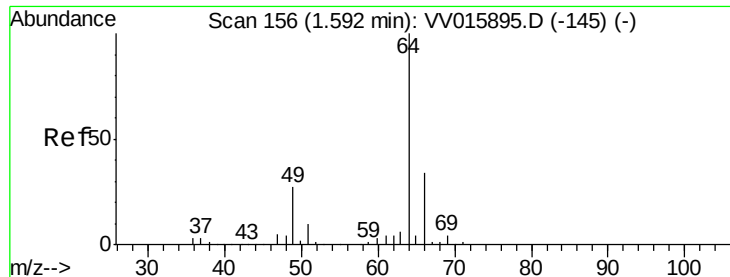
Tgt Ion: 94 Resp: 33879

Ion Ratio Lower Upper

94 100

96 93.2 65.4 121.4

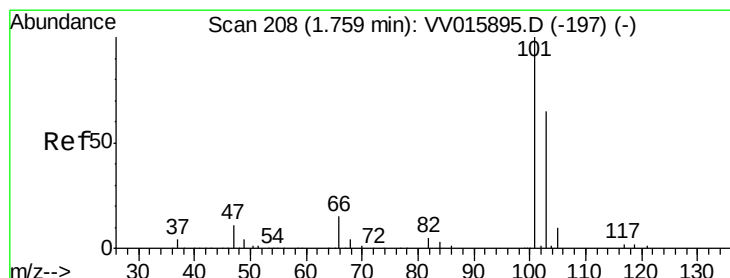
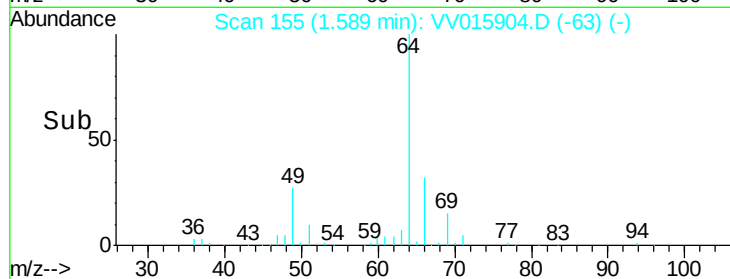
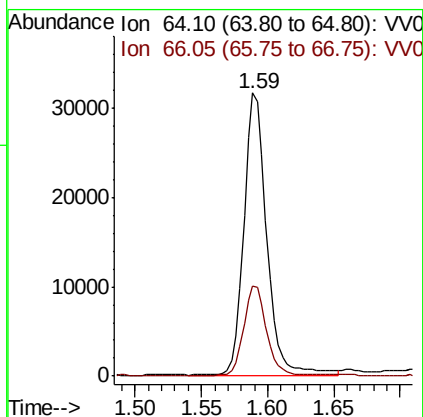
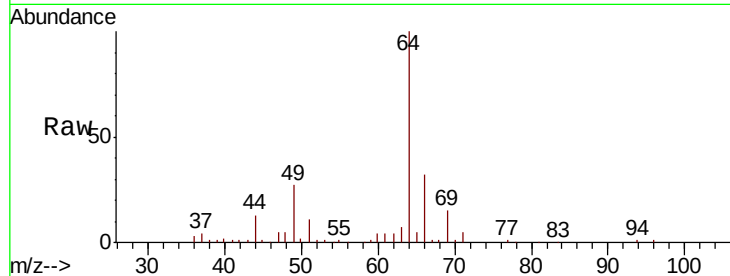




#8
Chloroethane
Concen: 5.043 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

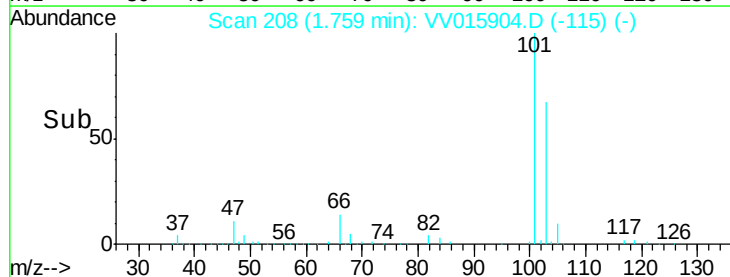
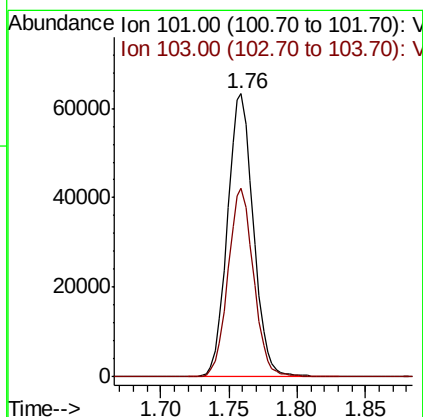
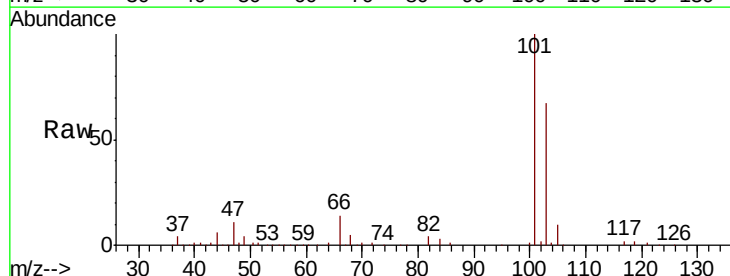
Instrument :
MSVOA_V
ClientSampleId :

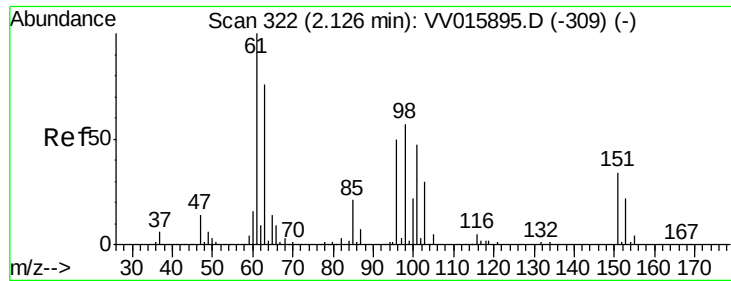
Tot Ion: 64 Resp: 37843
Ion Ratio Lower Upper
64 100
66 31.9 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.039 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Tgt Ion:101 Resp: 83682
Ion Ratio Lower Upper
101 100
103 65.9 51.4 77.2





#10

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

Concen: 4.938 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampled :

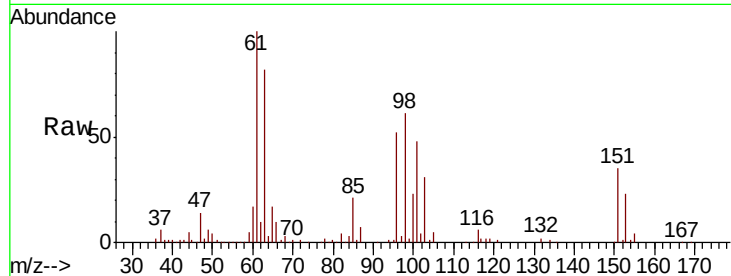
Tot Ion:101 Resp: 46764

Ion Ratio Lower Upper

101 100

85 45.3 35.7 53.5

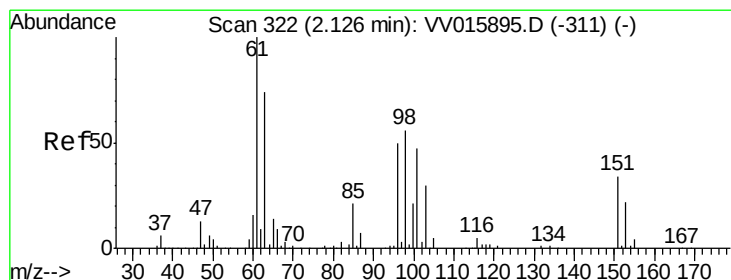
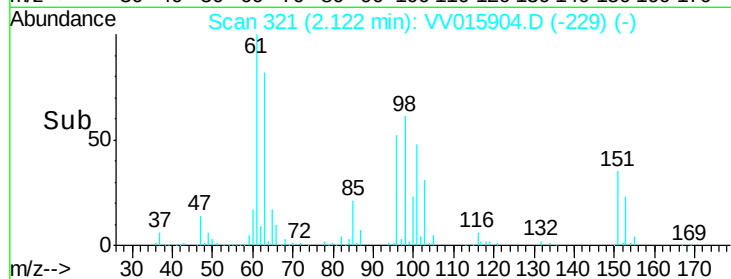
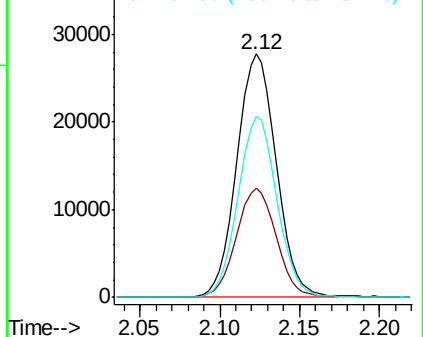
151 73.2 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.922 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

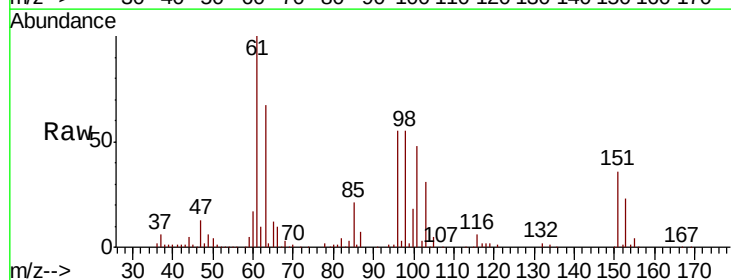
Tgt Ion: 96 Resp: 44535

Ion Ratio Lower Upper

96 100

61 183.5 139.9 259.7

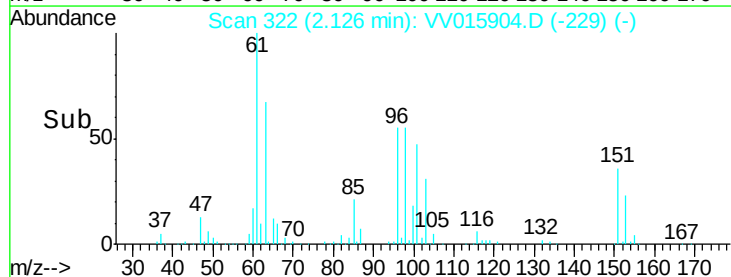
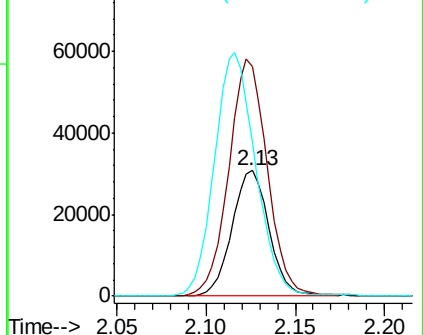
63 122.9 106.4 197.6

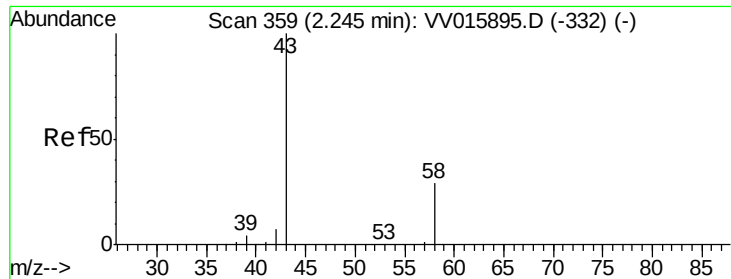


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.764 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

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Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

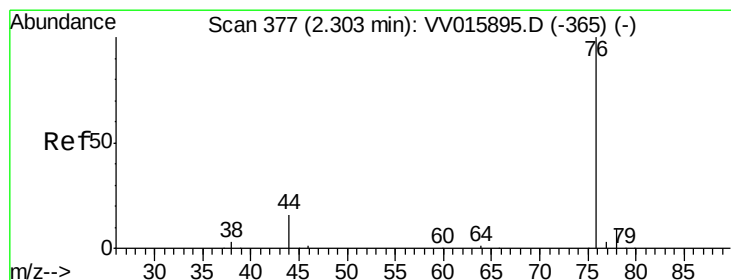
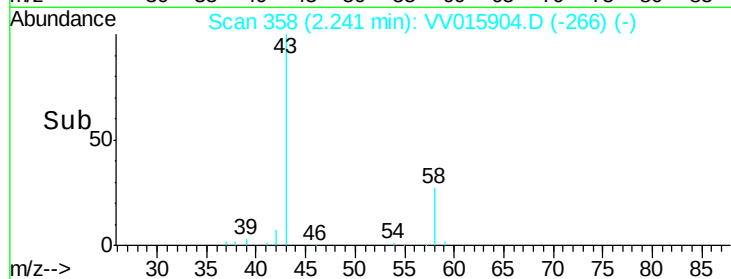
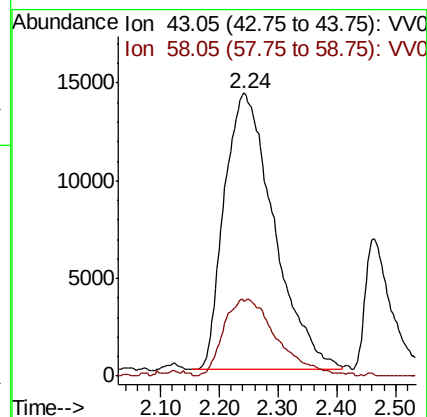
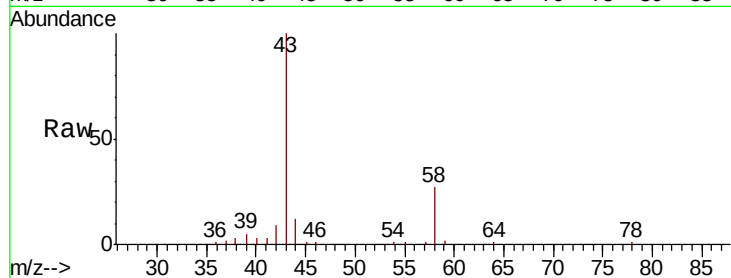
ClientSampleId :

Tot Ion: 43 Resp: 83599

Ion Ratio Lower Upper

43 100

58 11.5 0.0 30.8



#14

Carbon disulfide

Concen: 5.189 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.00 min

Lab File: VV015904.D

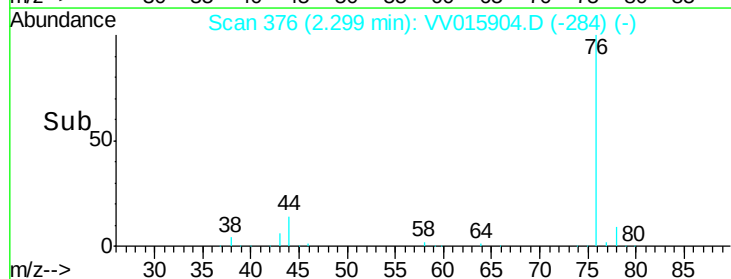
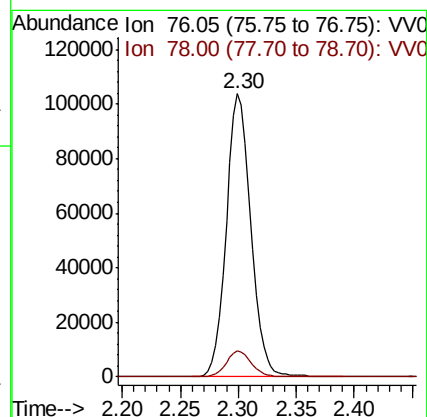
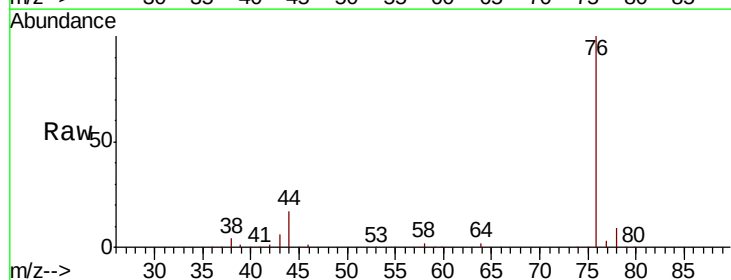
Acq: 06 May 2020 10:00

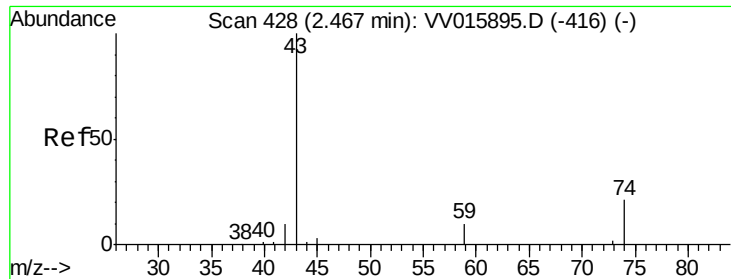
Tgt Ion: 76 Resp: 153091

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

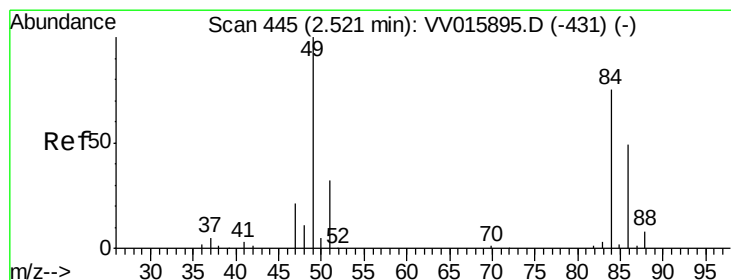
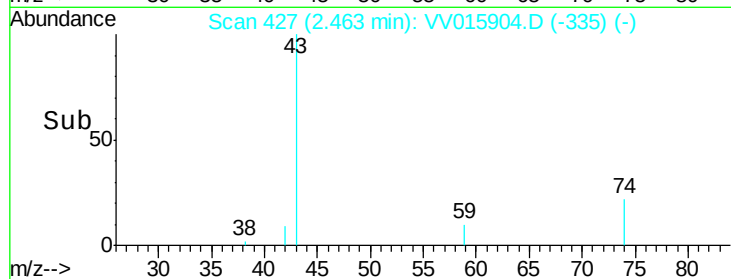
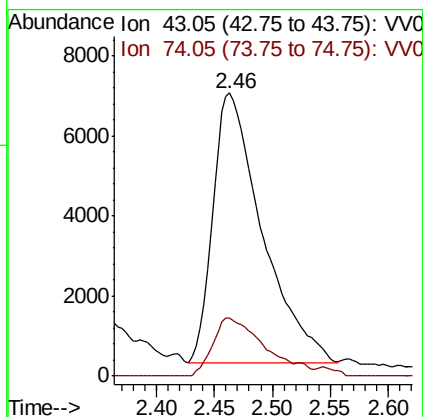
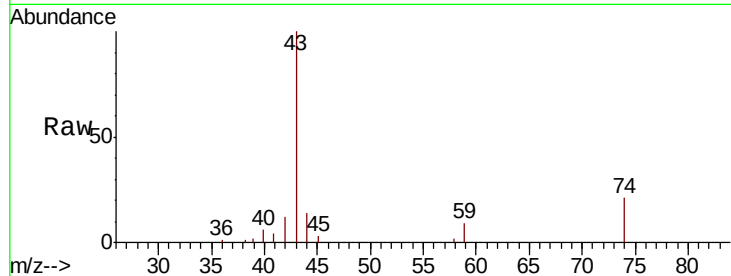




#15
Methvl Acetate
Concen: 5.380 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

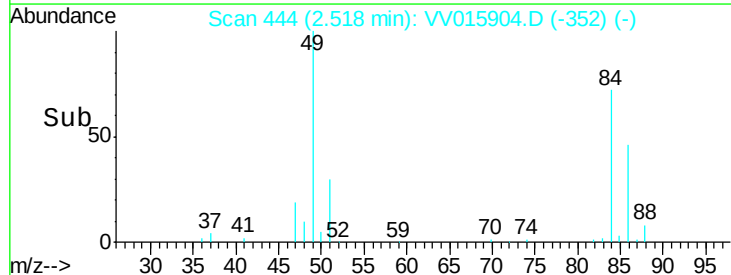
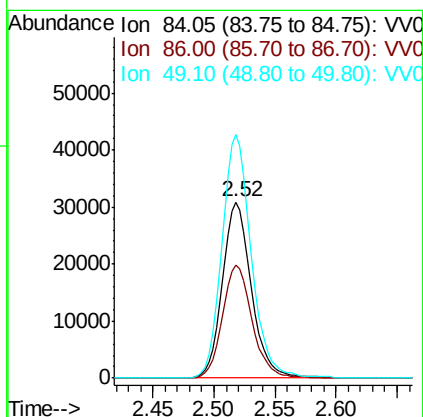
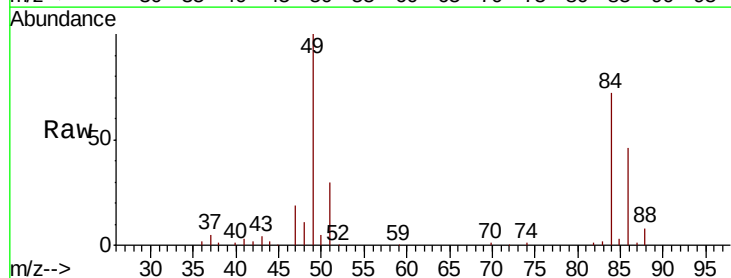
Instrument :
MSVOA_V
ClientSampleId :

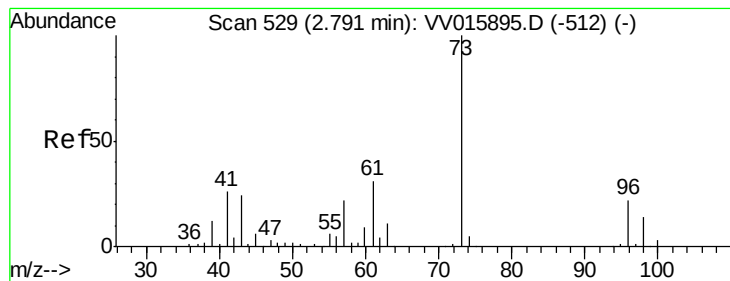
Tot Ion: 43 Resp: 19834
Ion Ratio Lower Upper
43 100
74 23.2 19.2 28.8



#16
Methylene chloride
Concen: 4.057 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Tgt Ion: 84 Resp: 51696
Ion Ratio Lower Upper
84 100
86 63.8 45.6 84.8
49 138.2 93.6 173.8



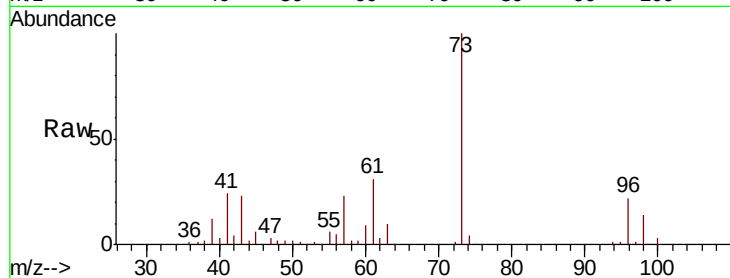


#17

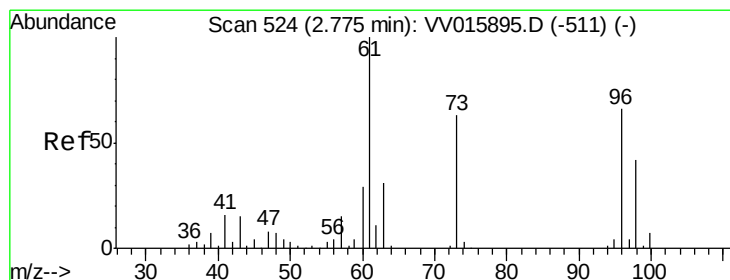
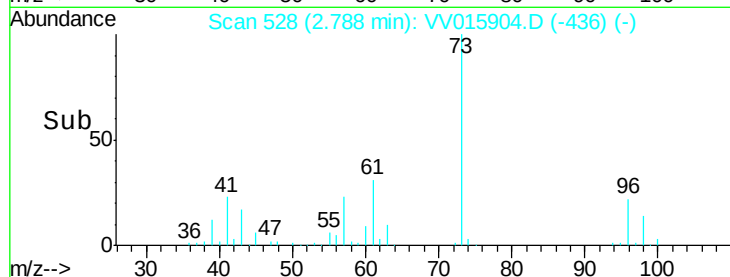
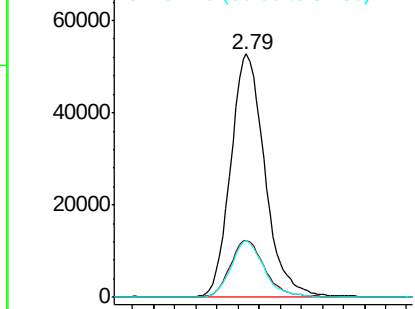
Methyl tert-butyl Ether
 Concen: 4.963 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 73 Resp: 118958
 Ion Ratio Lower Upper
 73 100
 43 24.0 18.8 28.2
 57 22.6 17.8 26.6



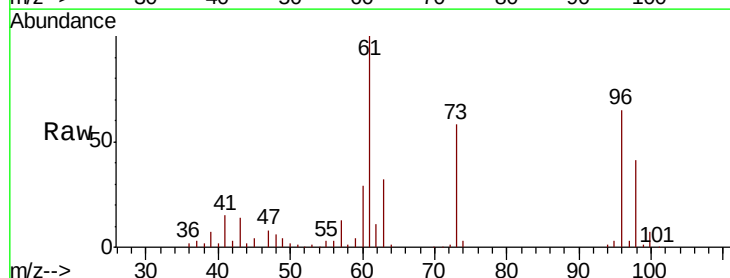
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



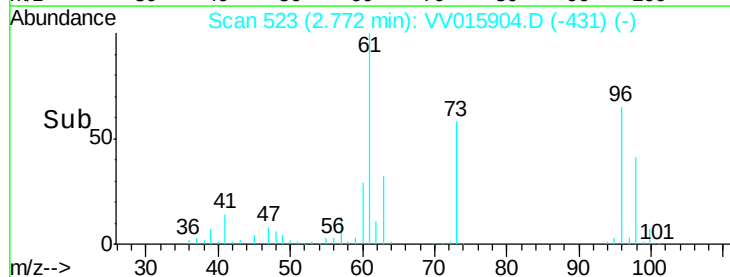
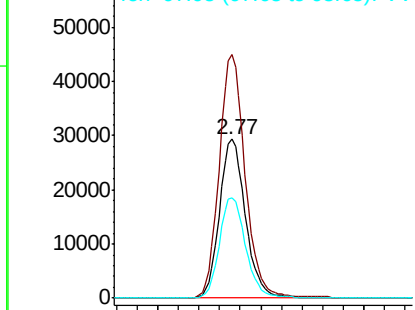
#18

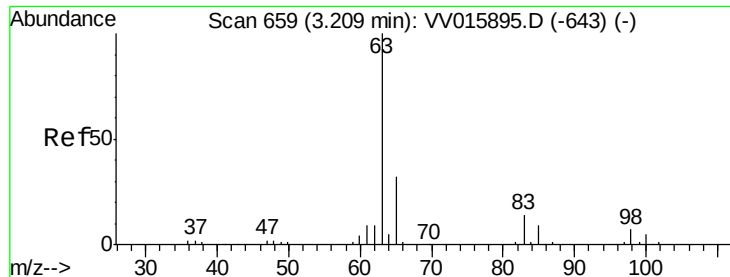
trans-1,2-Dichloroethene
 Concen: 5.062 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Tgt Ion: 96 Resp: 51463
 Ion Ratio Lower Upper
 96 100
 61 153.3 105.3 195.5
 98 63.2 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

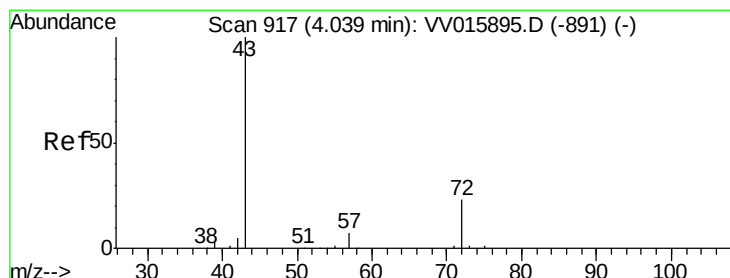
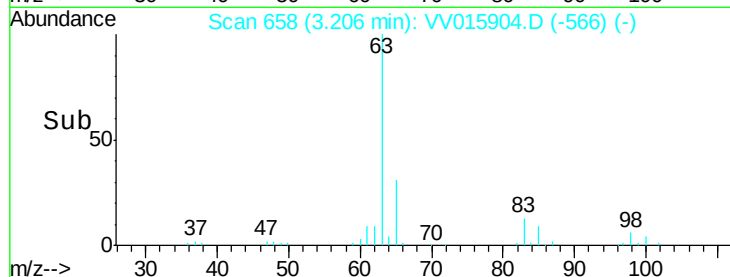
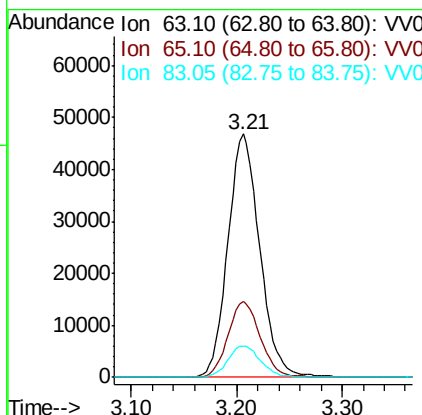
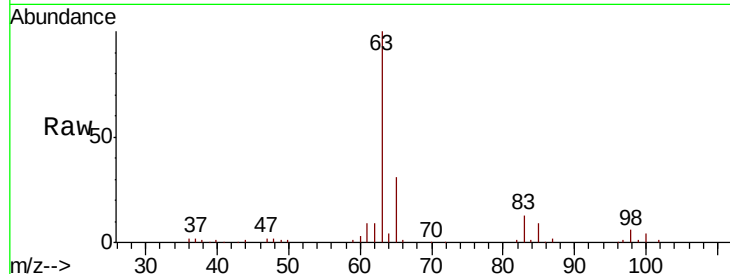




#19
 1,1-Dichloroethane
 Concen: 5.049 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

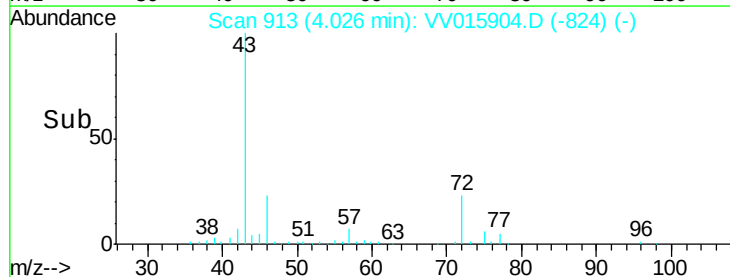
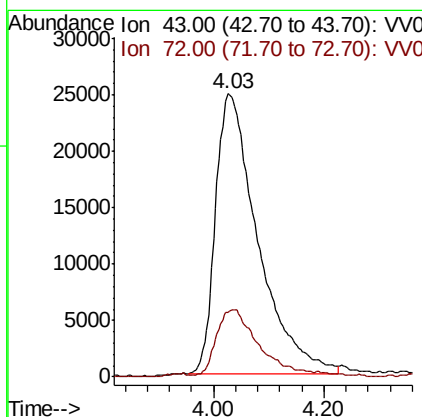
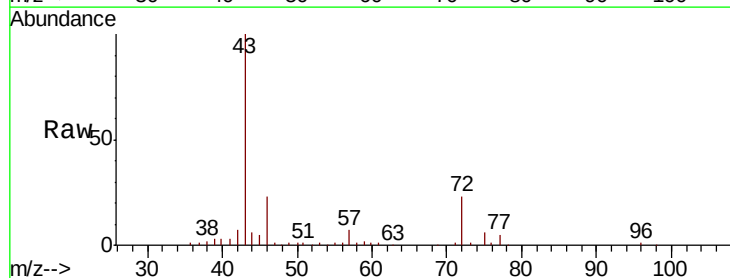
Instrument :
 MSVOA_V
 ClientSampleId :

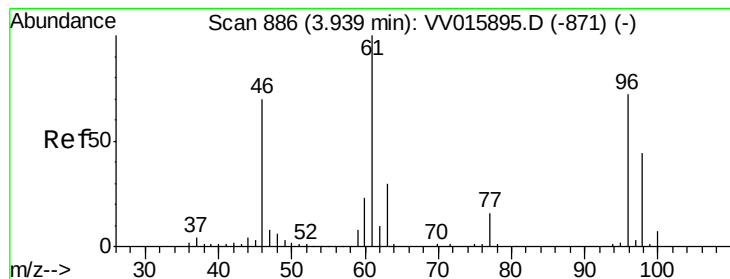
Tot Ion: 63 Resp: 97987
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 41.0
 83 12.9 9.8 18.2



#21
 2-Butanone
 Concen: 49.857 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Tgt Ion: 43 Resp: 131977
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.5 31.5





#22

cis-1,2-Dichloroethene

Concen: 5.053 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :
MSVOA_V
ClientSampled :

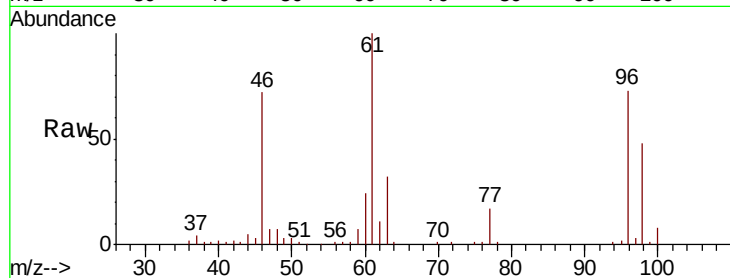
Tot Ion: 96 Resp: 53534

Ion Ratio Lower Upper

96 100

61 136.7 97.2 180.6

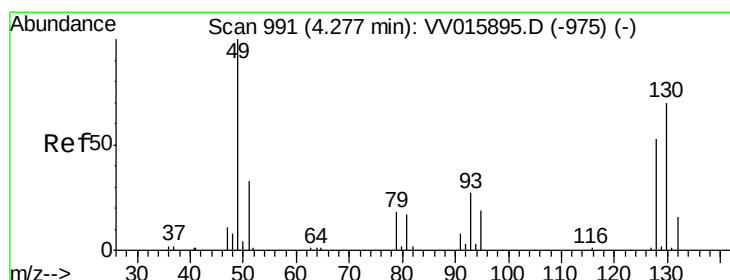
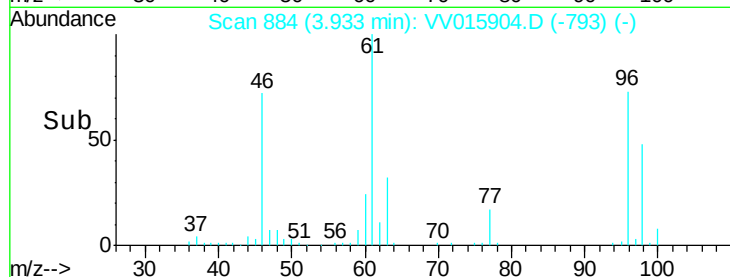
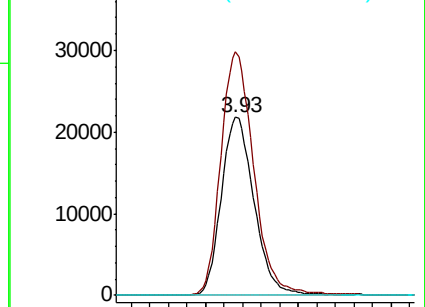
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015895.D (-871) (-)

Ion 61.05 (60.75 to 61.75): VV015895.D (-871) (-)

Ion 68.15 (67.85 to 68.85): VV015895.D (-871) (-)



#23

Bromochloromethane

Concen: 5.061 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Tgt Ion: 128 Resp: 22371

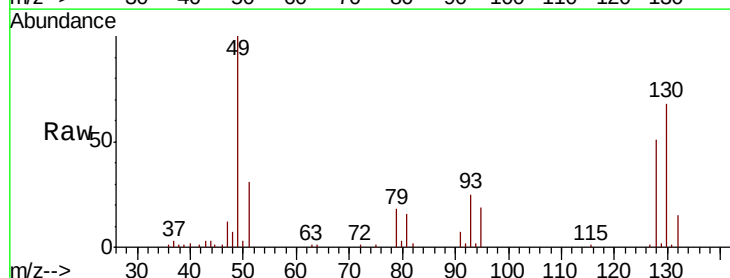
Ion Ratio Lower Upper

128 100

49 195.9 131.3 243.8

130 133.3 91.8 170.4

51 59.8 48.8 73.2

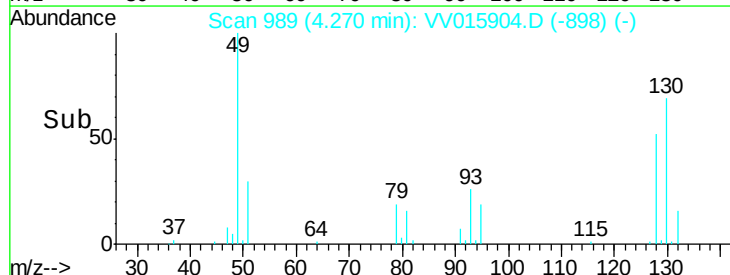
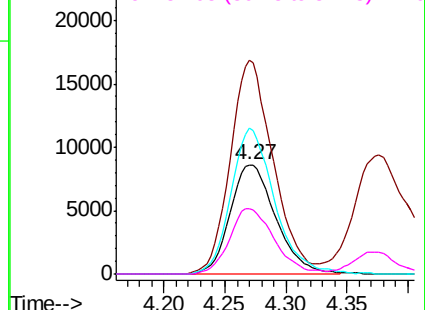


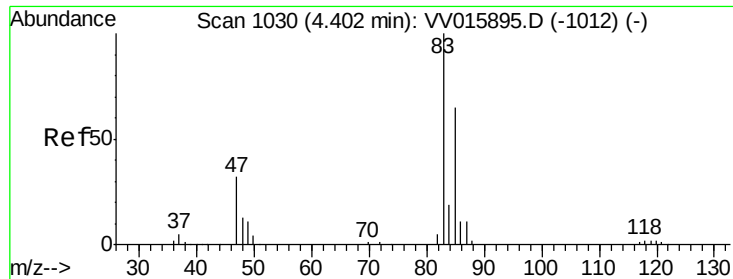
Abundance Ion 127.90 (127.60 to 128.60): VV015895.D (-975) (-)

Ion 49.10 (48.80 to 49.80): VV015895.D (-975) (-)

Ion 129.95 (129.65 to 130.65): VV015895.D (-975) (-)

Ion 51.05 (50.75 to 51.75): VV015895.D (-975) (-)

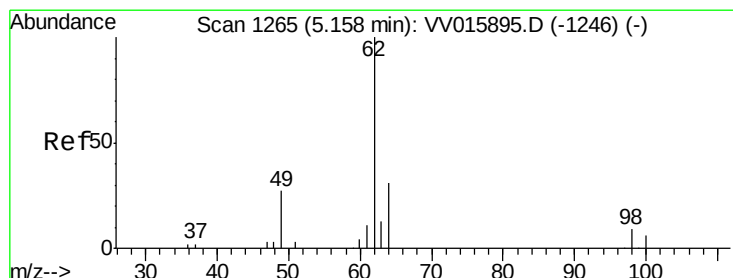
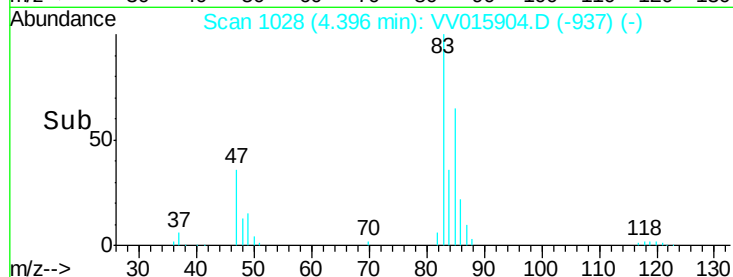
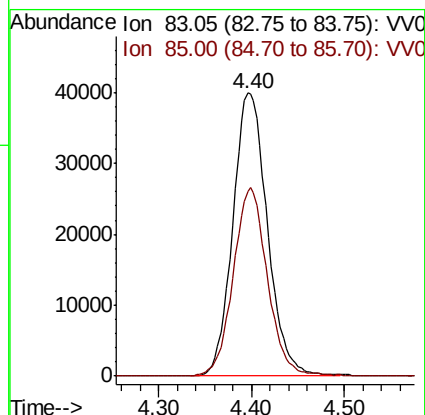
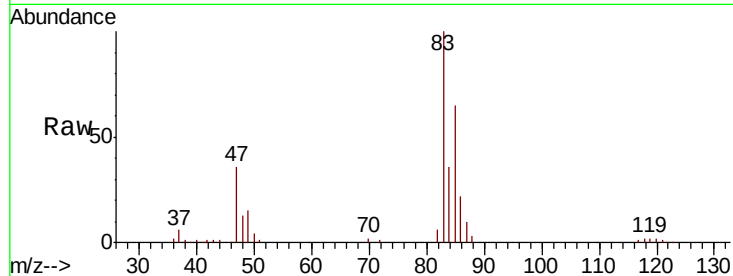




#25
Chloroform
Concen: 4.884 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

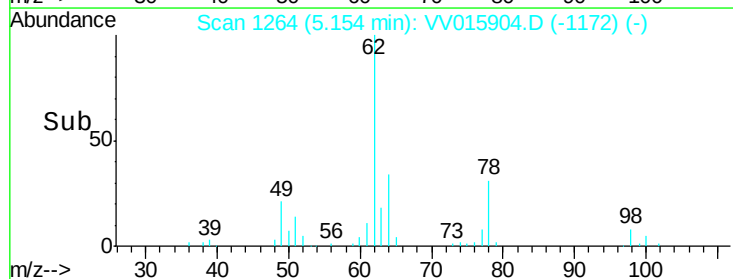
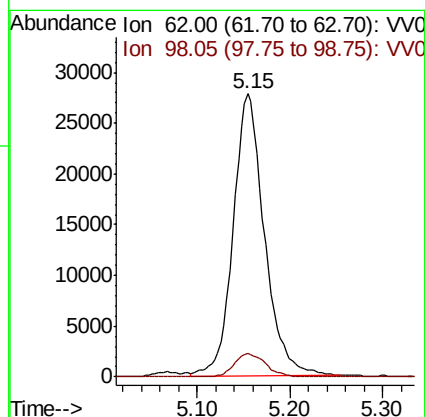
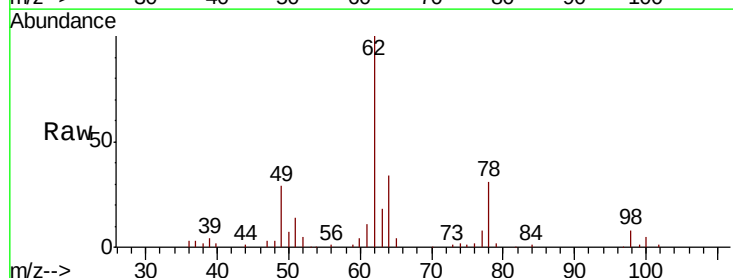
Instrument :
MSVOA_V
ClientSampleId :

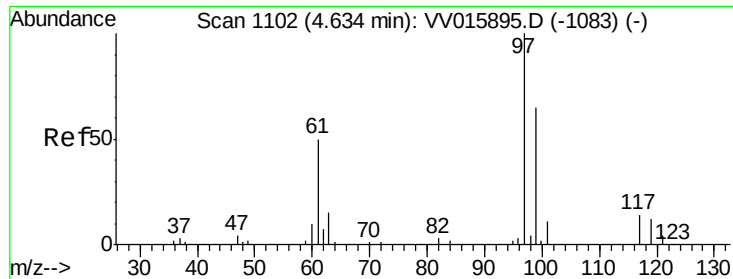
Tot Ion: 83 Resp: 103162
Ion Ratio Lower Upper
83 100
85 65.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.960 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Tgt Ion: 62 Resp: 64903
Ion Ratio Lower Upper
62 100
98 8.1 6.7 10.1

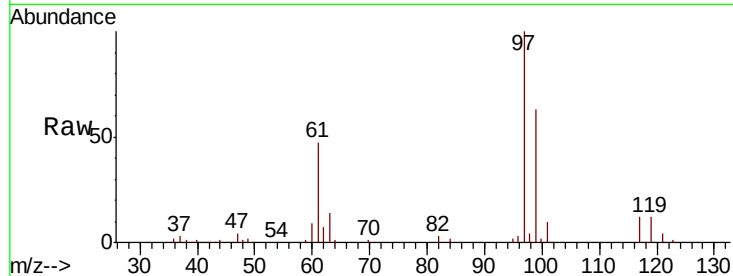




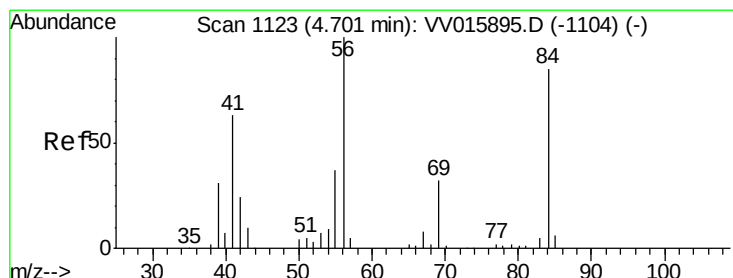
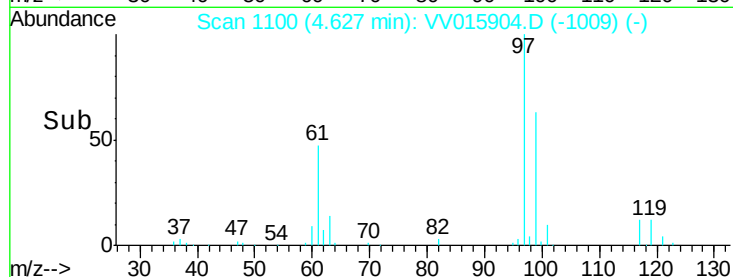
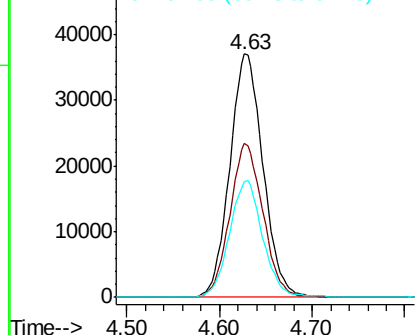
#29
 1,1,1-Trichloroethane
 Concen: 5.094 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 92039
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.7 76.1
 61 48.0 38.8 58.2

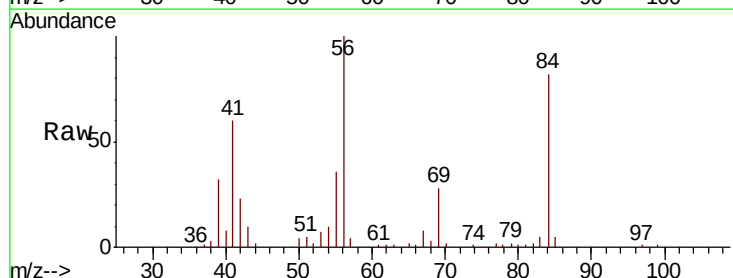


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

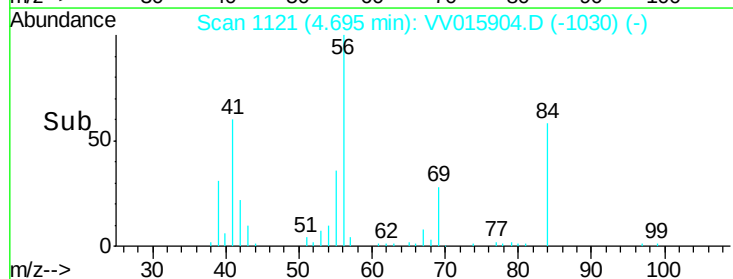
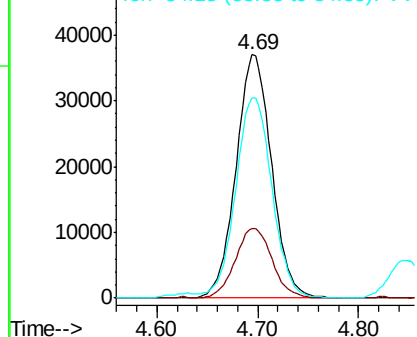


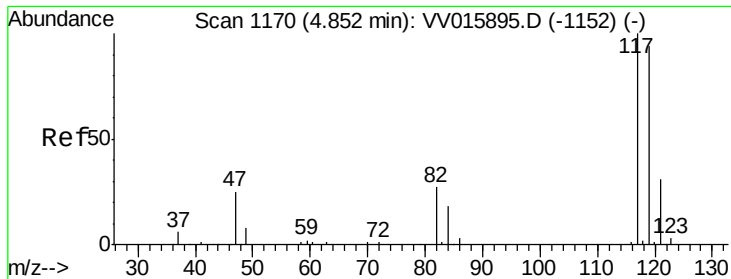
#30
 Cyclohexane
 Concen: 4.898 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Tgt Ion: 56 Resp: 90572
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.2 36.2
 84 84.5 68.3 102.5



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: 5.114 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

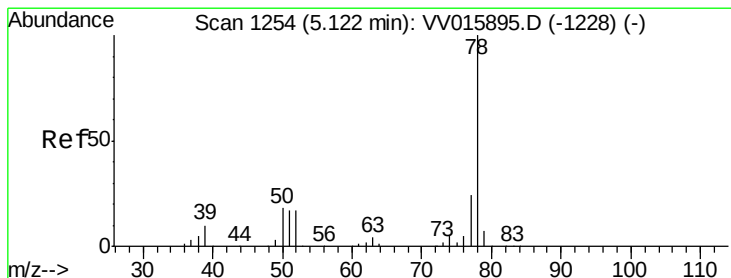
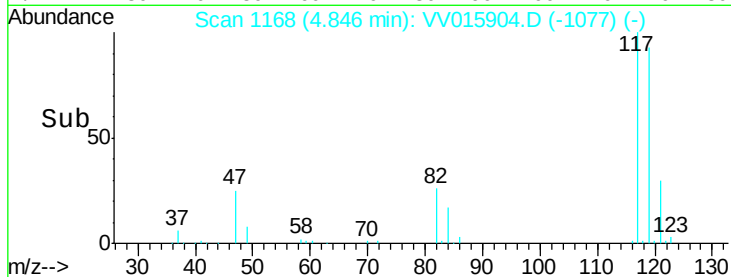
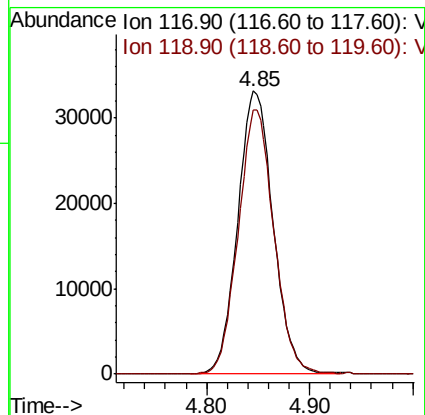
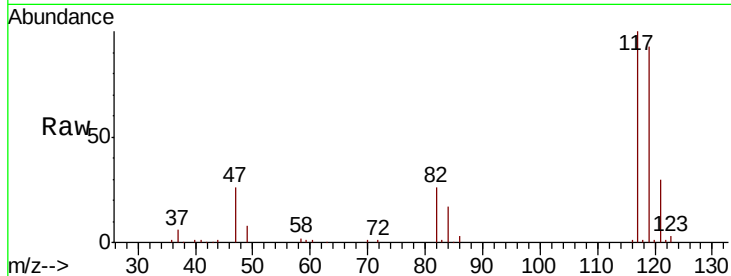
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 79359

Ion Ratio Lower Upper

117 100

119 93.9 77.3 115.9



#33

Benzene

Concen: 5.032 ug/L

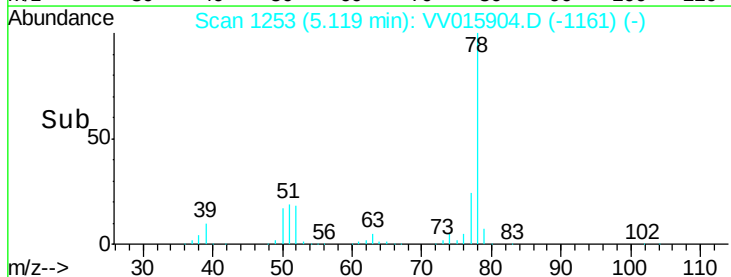
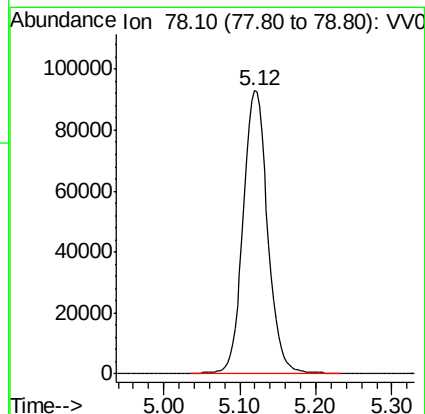
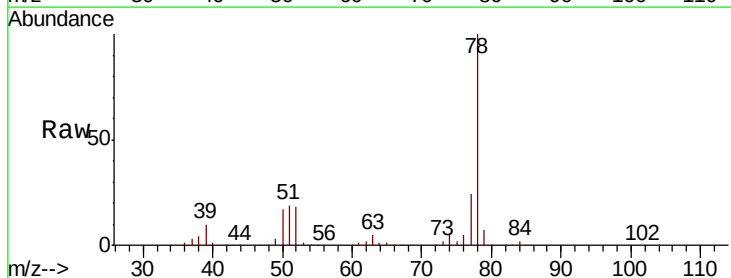
RT: 5.12 min Scan# 1253

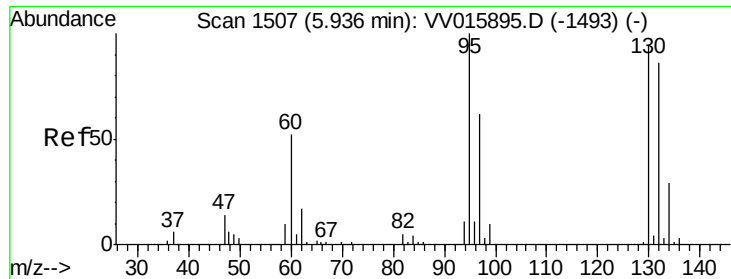
Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Tgt Ion: 78 Resp: 208885





#34

Trichloroethene

Concen: 4.951 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 55908

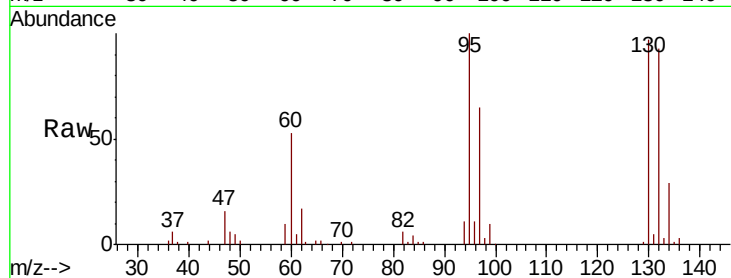
Ion Ratio Lower Upper

95 100

97 64.6 43.3 80.5

132 92.8 60.3 112.1

130 97.0 66.0 122.6

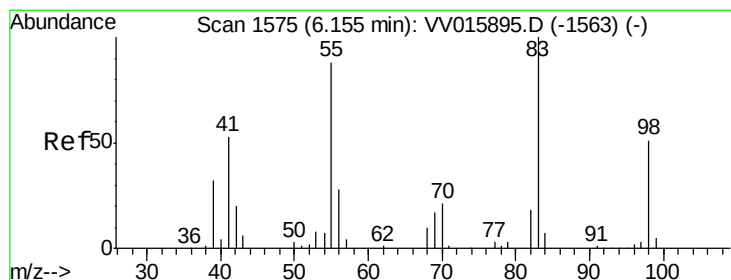
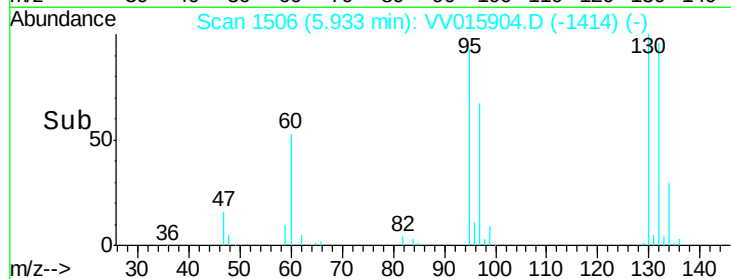
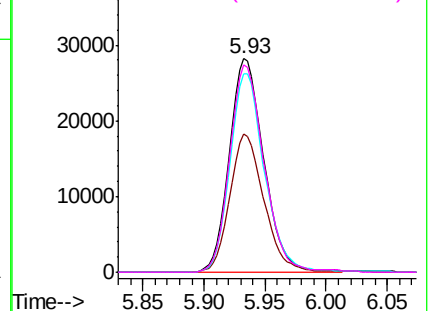


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 4.844 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

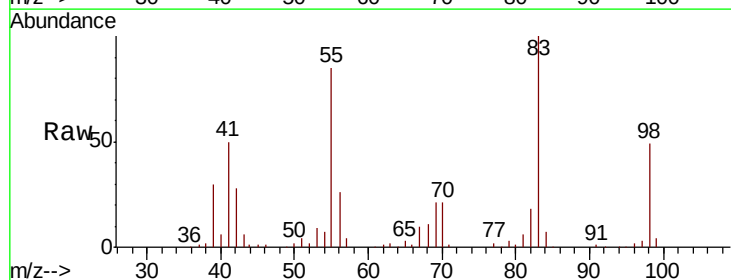
Tgt Ion: 83 Resp: 89504

Ion Ratio Lower Upper

83 100

55 84.4 66.2 99.2

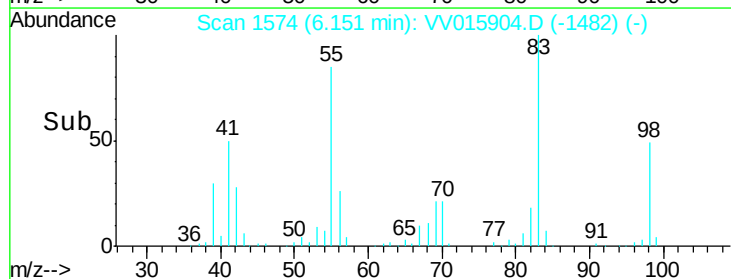
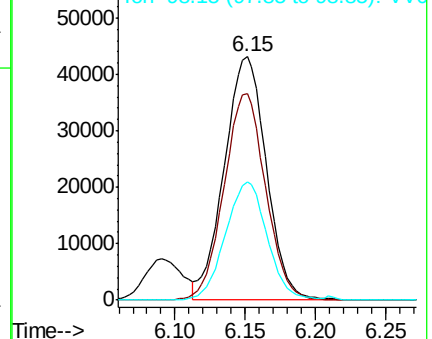
98 48.4 37.9 56.9

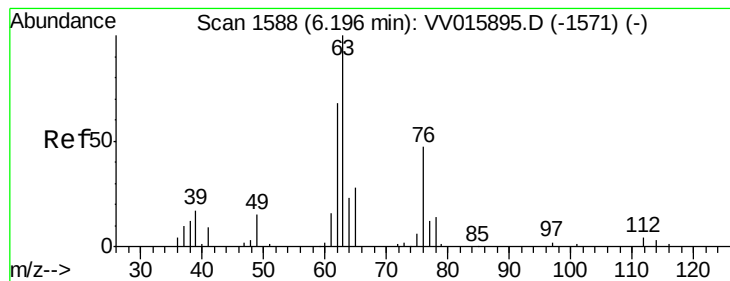


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.118 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

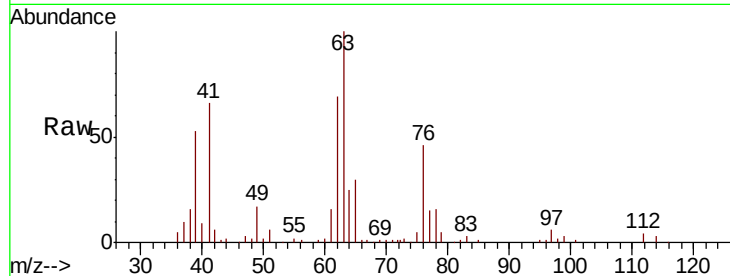
ClientSampled :

Tot Ion: 63 Resp: 53116

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

30000

25000

20000

15000

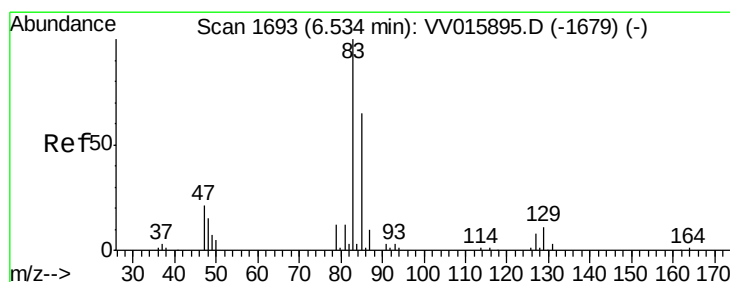
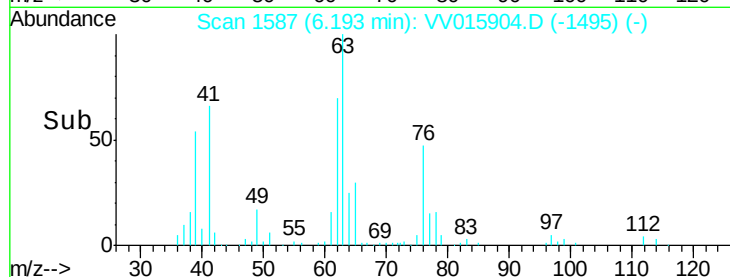
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.025 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

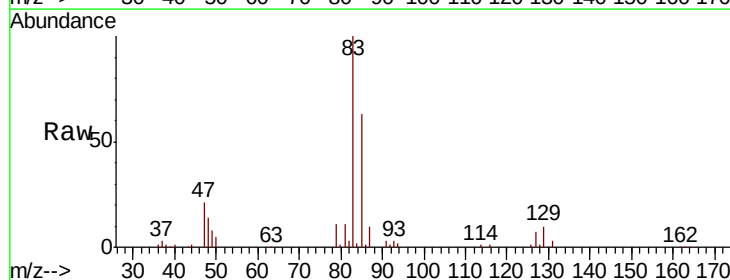
Tgt Ion: 83 Resp: 65322

Ion Ratio Lower Upper

83 100

85 63.4 45.5 84.5

127 7.5 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

40000

30000

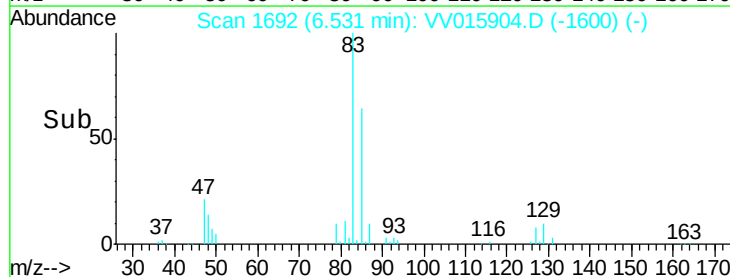
20000

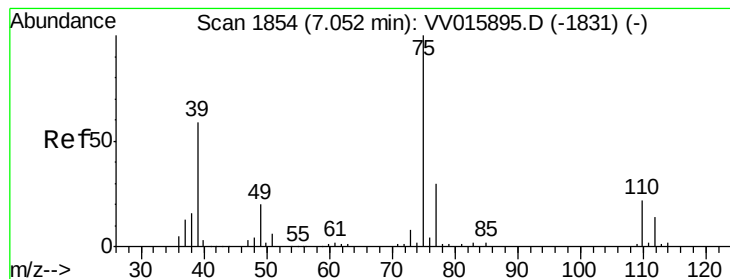
10000

0

6.45 6.50 6.55 6.60

Time-->



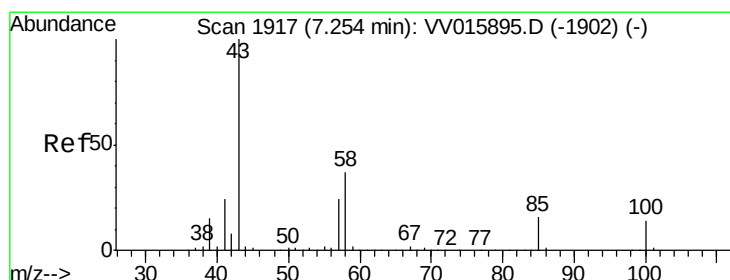
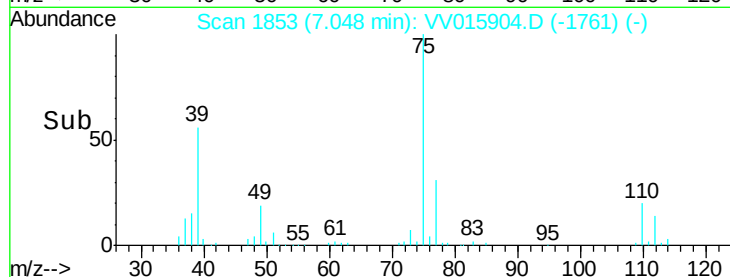
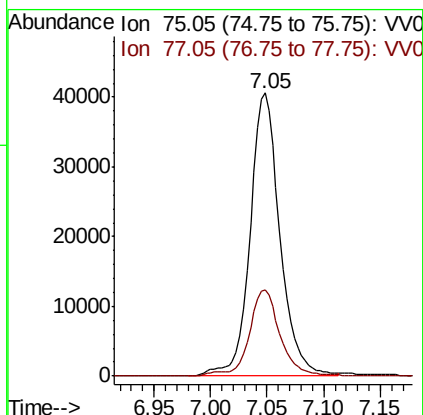
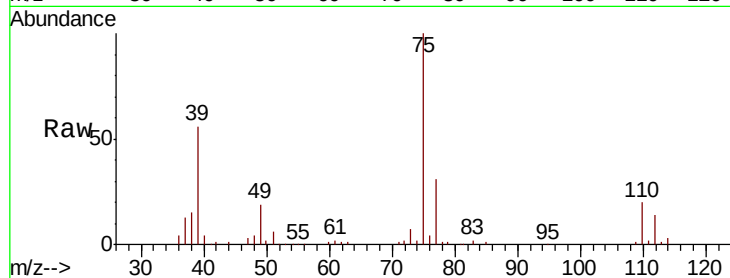


#39

cis-1,3-Dichloropropene
Concen: 5.107 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Instrument :
MSVOA_V
ClientSampled :

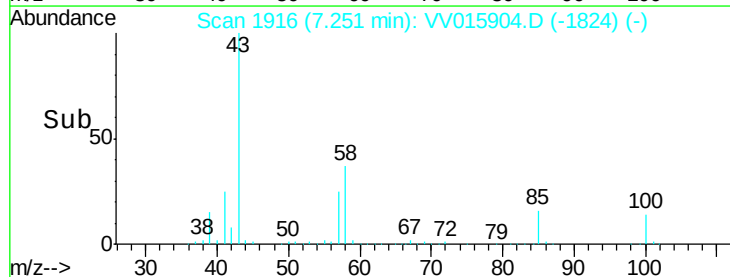
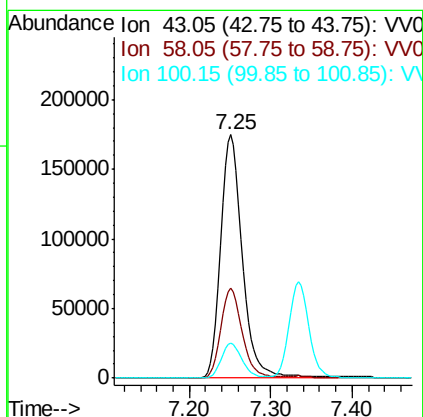
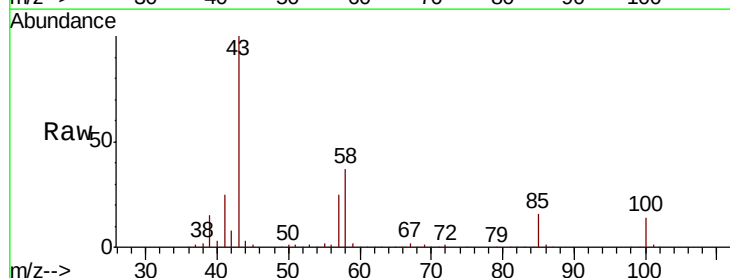
Tot Ion: 75 Resp: 74571
Ion Ratio Lower Upper
75 100
77 30.7 21.3 39.5

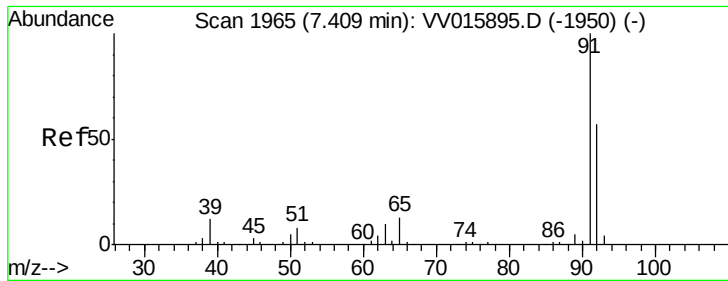


#40

4-Methyl-2-pentanone
Concen: 49.912 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Tgt Ion: 43 Resp: 330640
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.4
100 13.7 10.9 16.3





#42

Toluene

Concen: 5.003 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

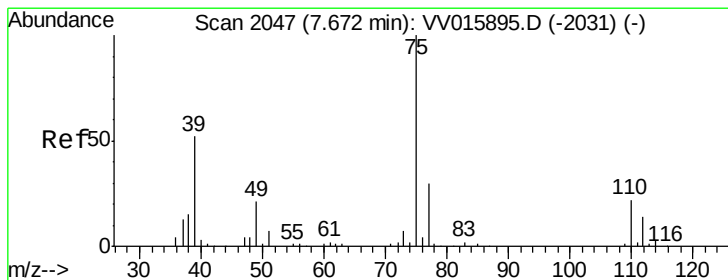
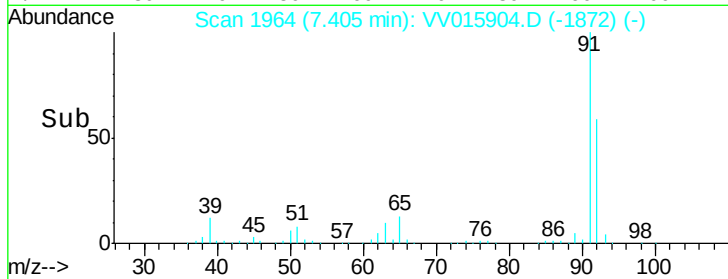
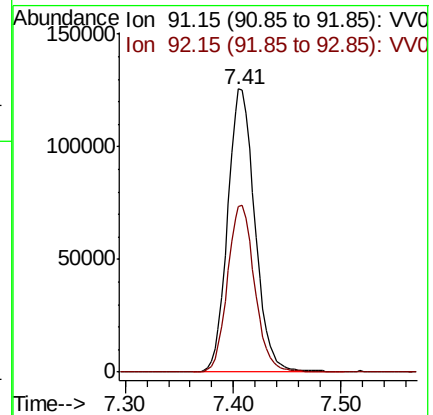
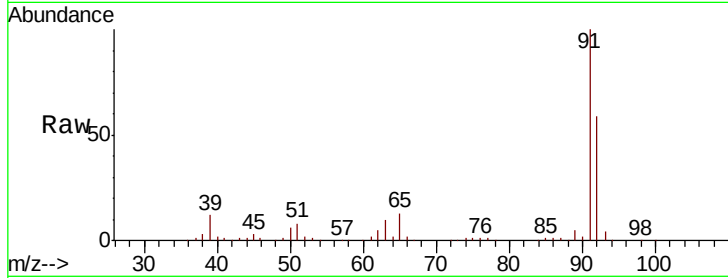
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 220958

Ion Ratio Lower Upper

91 100

92 58.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 5.107 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015904.D

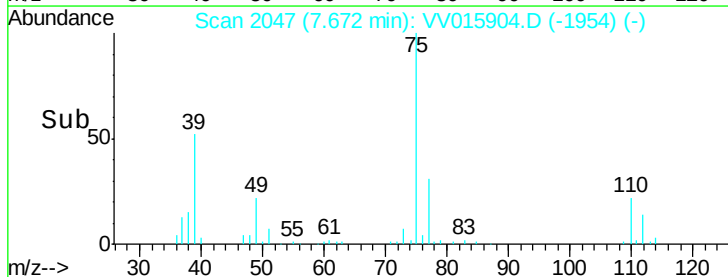
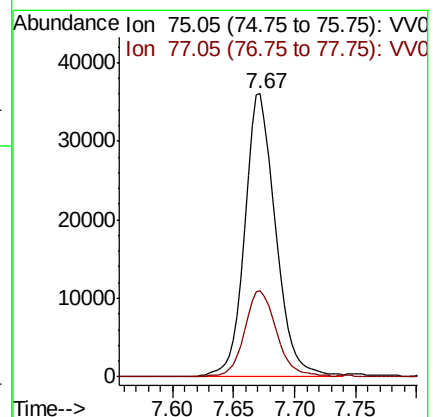
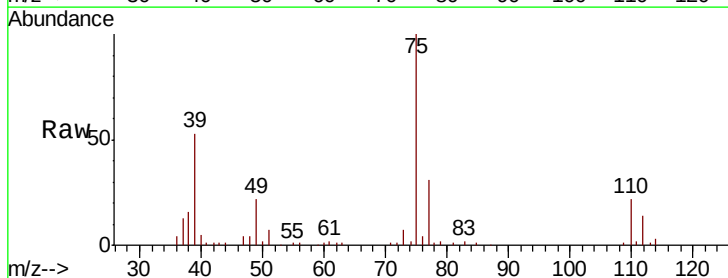
Acq: 06 May 2020 10:00

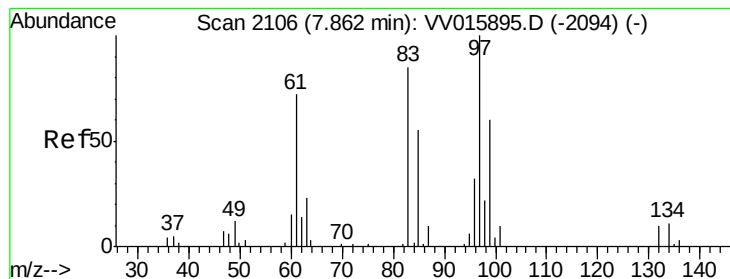
Tgt Ion: 75 Resp: 63111

Ion Ratio Lower Upper

75 100

77 30.7 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 4.978 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 34820

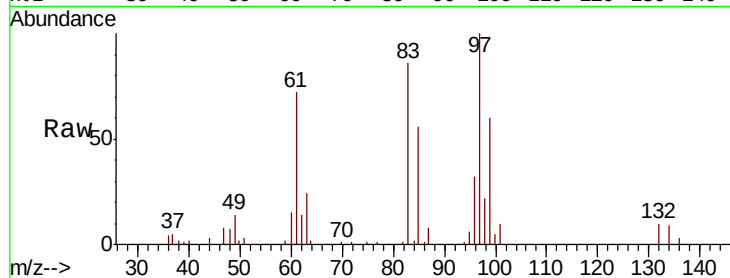
Ion Ratio Lower Upper

97 100

99 59.9 42.1 78.1

83 86.4 59.2 110.0

85 55.6 38.6 71.8



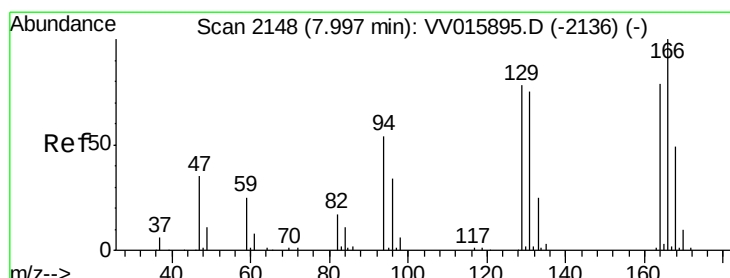
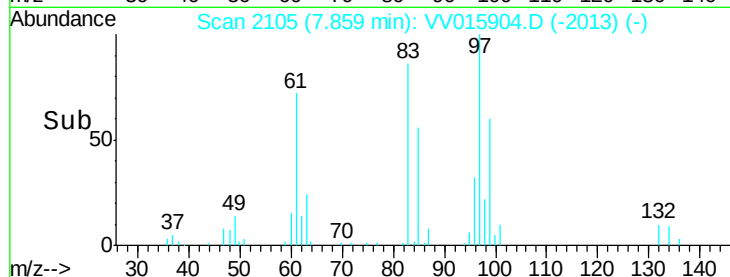
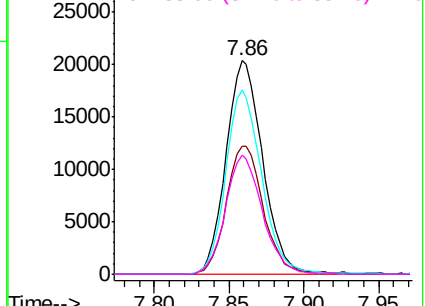
Abundance

Ion 96.95 (96.65 to 97.65): VV015895.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015895.D (-2094) (-)

Ion 82.95 (82.65 to 83.65): VV015895.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015895.D (-2094) (-)



#47

Tetrachloroethene

Concen: 4.929 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Tgt Ion: 164 Resp: 41510

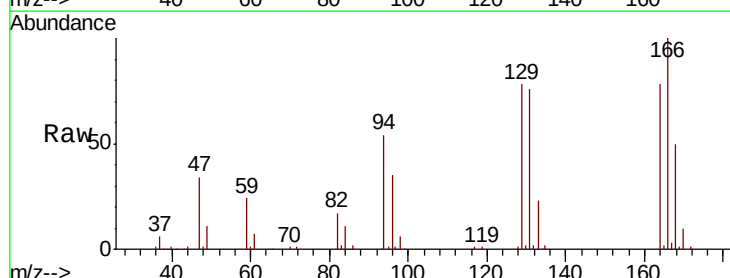
Ion Ratio Lower Upper

164 100

129 99.2 69.7 129.4

131 96.6 66.8 124.2

166 127.5 89.1 165.5



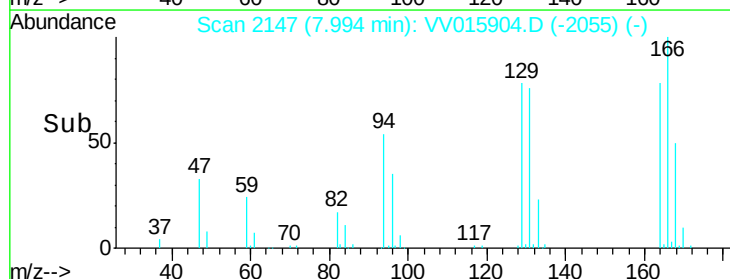
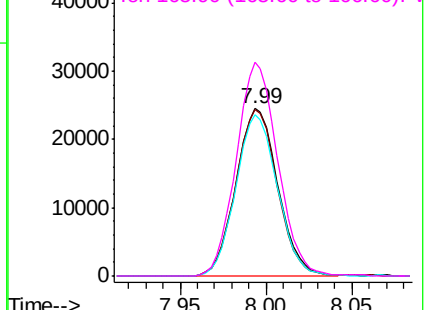
Abundance

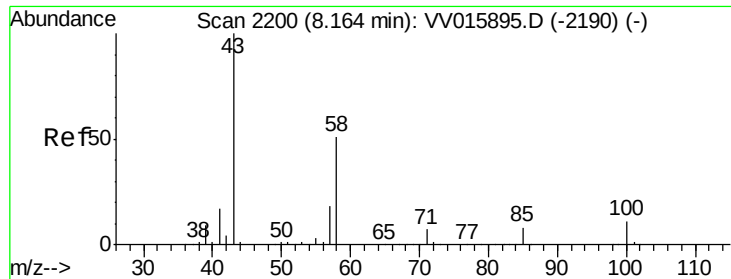
Ion 163.90 (163.60 to 164.60): VV015895.D (-2136) (-)

Ion 128.95 (128.65 to 129.65): VV015895.D (-2136) (-)

Ion 130.95 (130.65 to 131.65): VV015895.D (-2136) (-)

Ion 165.90 (165.60 to 166.60): VV015895.D (-2136) (-)

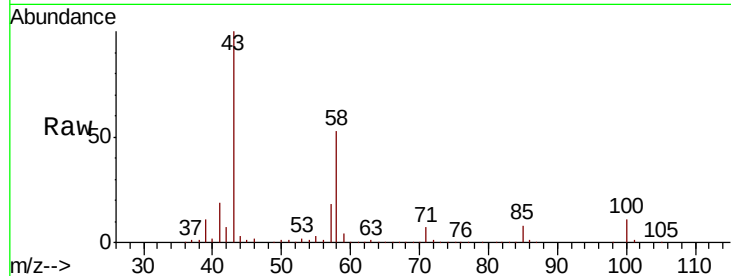




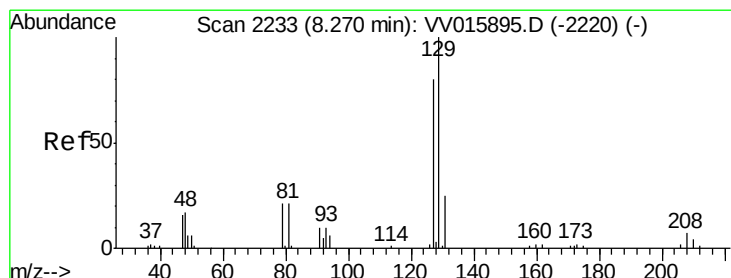
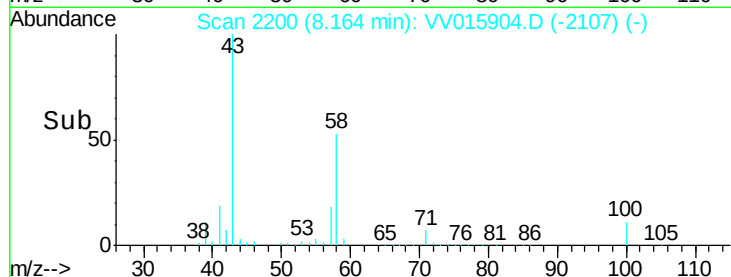
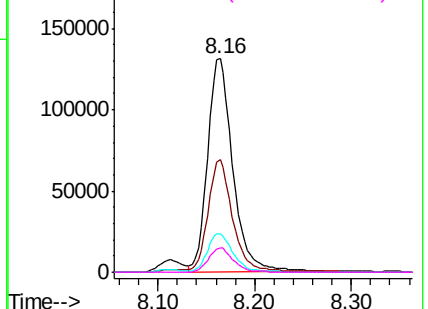
#48
2-Hexanone
Concen: 51.192 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 236695
Ion Ratio Lower Upper
43 100
58 51.8 40.8 61.2
57 18.2 14.7 22.1
100 11.3 9.0 13.6

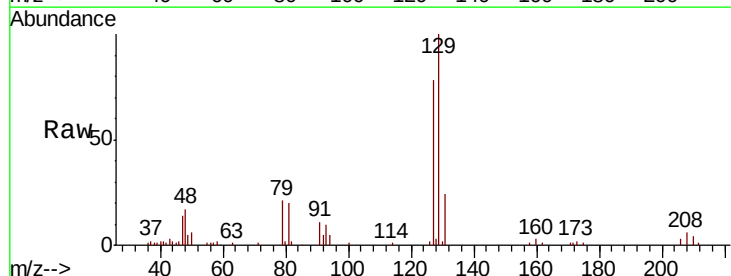


Abundance Ion 43.05 (42.75 to 43.75): VV015904.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015904.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015904.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015904.D (-2107) (-)

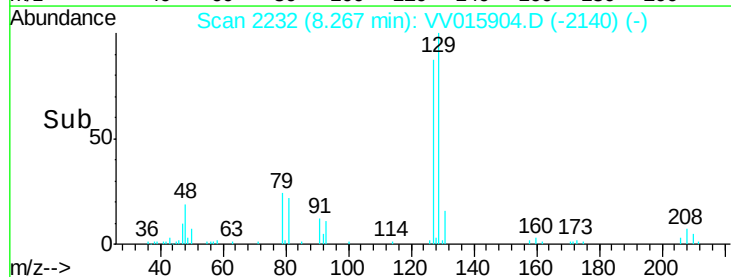
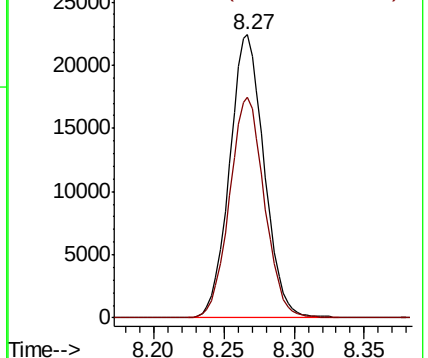


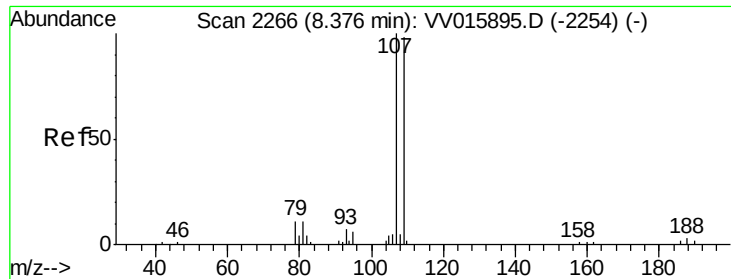
#49
Dibromochloromethane
Concen: 5.098 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Tgt Ion: 129 Resp: 38481
Ion Ratio Lower Upper
129 100
127 78.2 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015904.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV015904.D (-2140) (-)

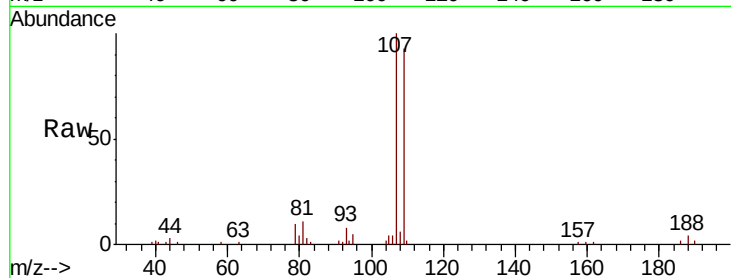




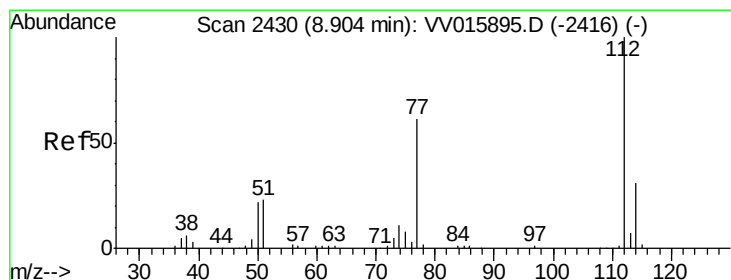
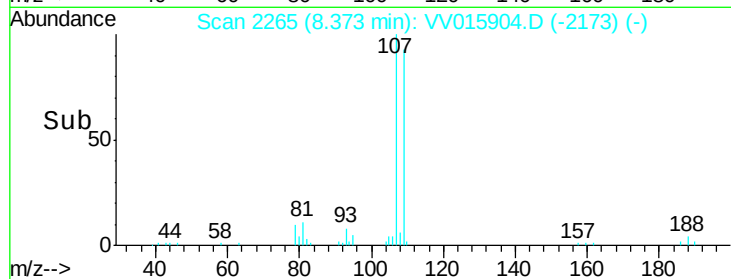
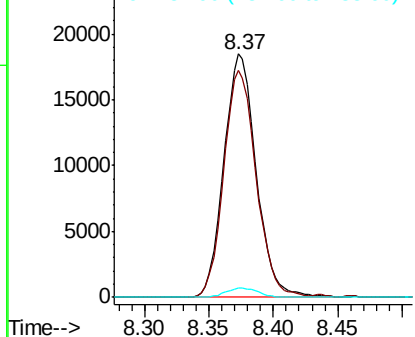
#50
 1,2-Dibromoethane
 Concen: 4.865 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 32110
 Ion Ratio Lower Upper
 107 100
 109 93.2 68.9 127.9
 188 3.7 2.7 4.1

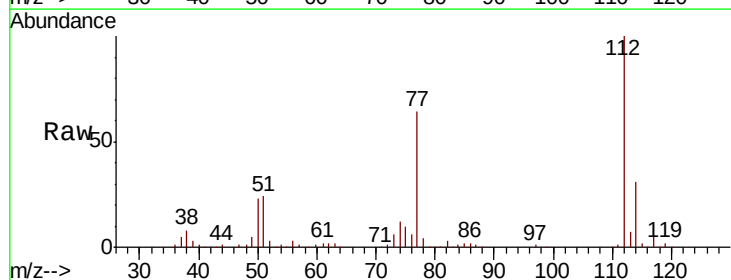


Abundance Ion 106.95 (106.65 to 107.65): V
 25000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

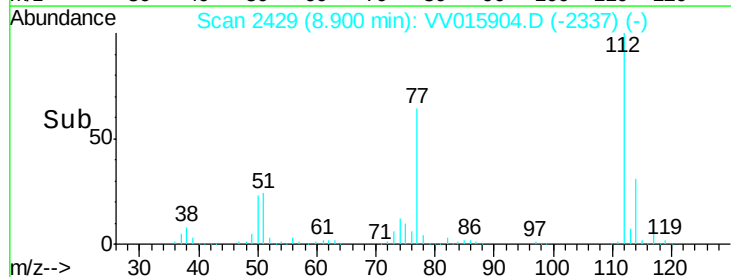
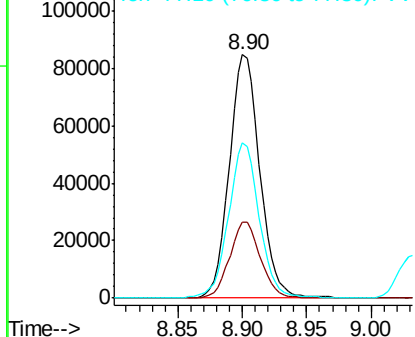


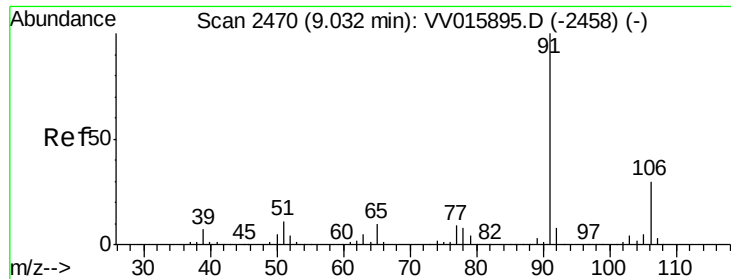
#51
 Chlorobenzene
 Concen: 4.918 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Tgt Ion:112 Resp: 139021
 Ion Ratio Lower Upper
 112 100
 114 31.1 21.6 40.0
 77 63.7 48.6 73.0



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): VV0





#52

Ethylbenzene

Concen: 4.909 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

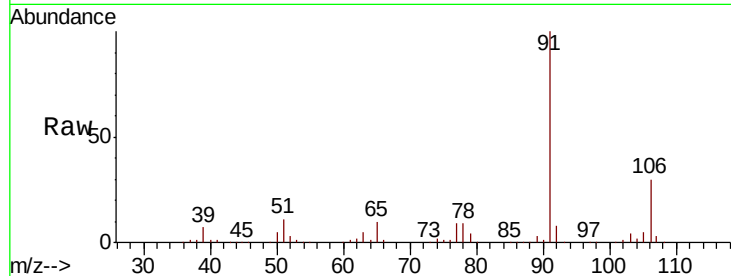
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 246733

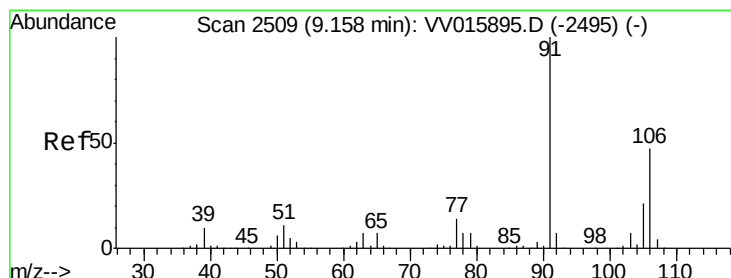
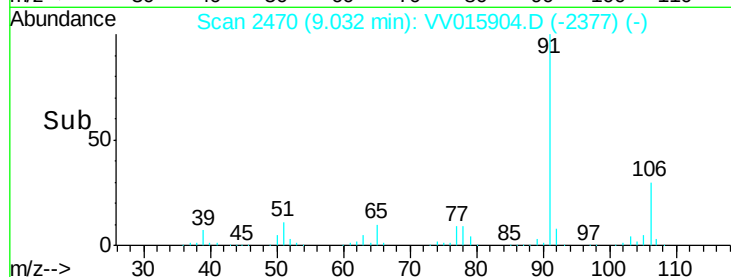
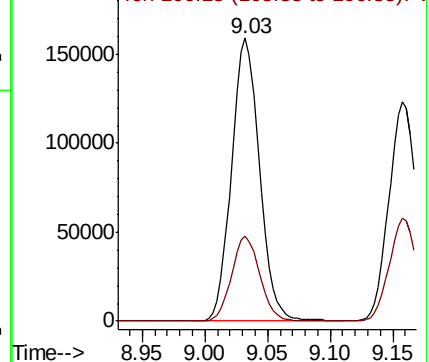
Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015895.D (-2458) (-)



#53

m,p-xylene

Concen: 4.973 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015904.D

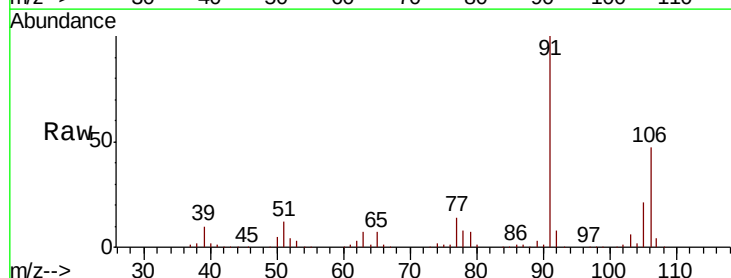
Acq: 06 May 2020 10:00

Tgt Ion: 106 Resp: 93562

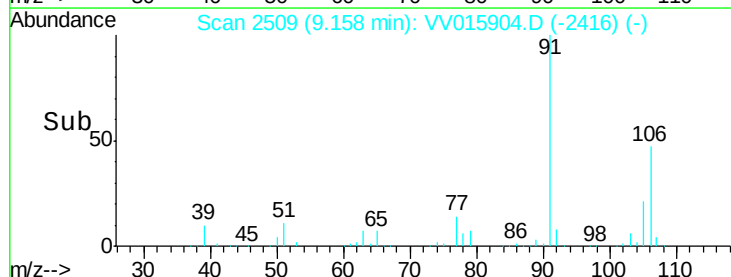
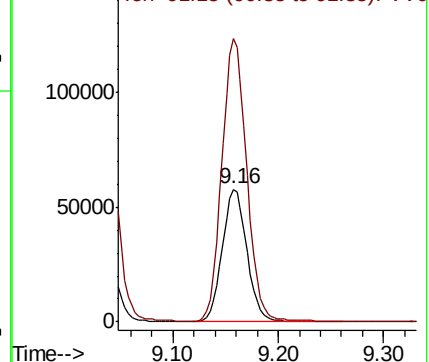
Ion Ratio Lower Upper

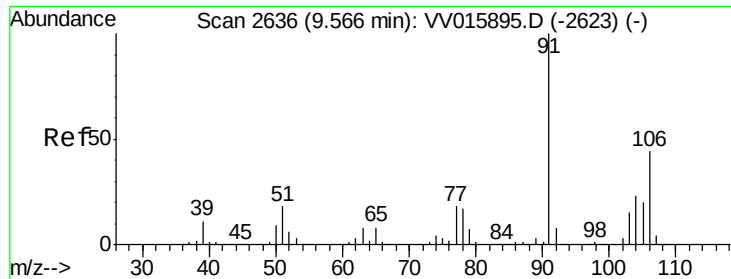
106 100

91 213.3 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015895.D (-2495) (-)

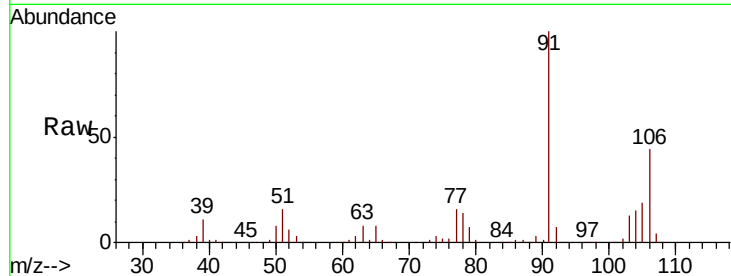




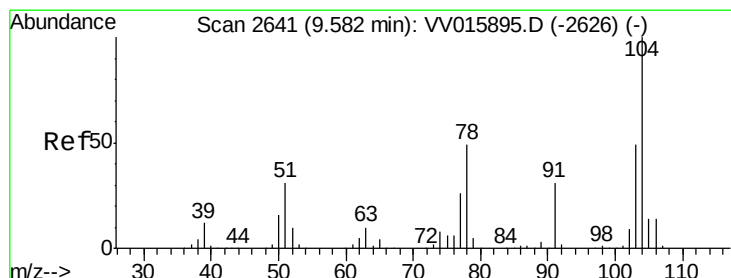
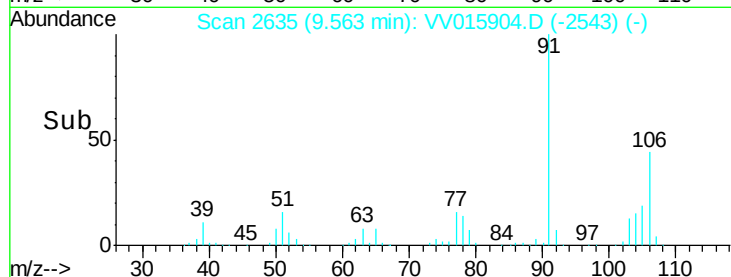
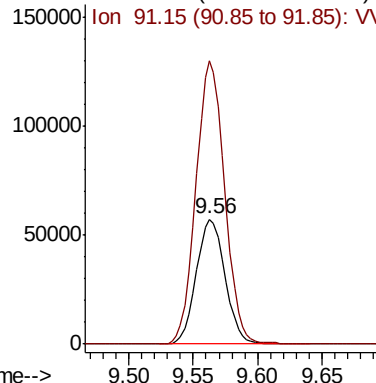
#54
o-xylene
Concen: 4.974 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 88991
Ion Ratio Lower Upper
106 100
91 226.1 159.7 296.5

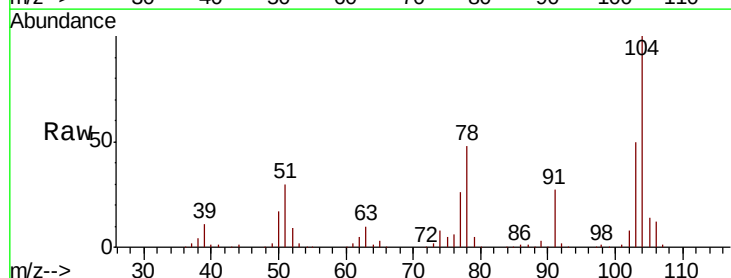


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

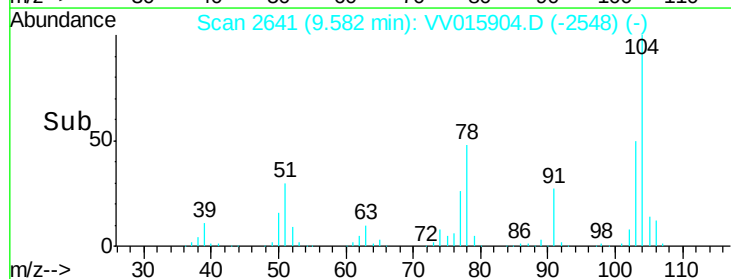
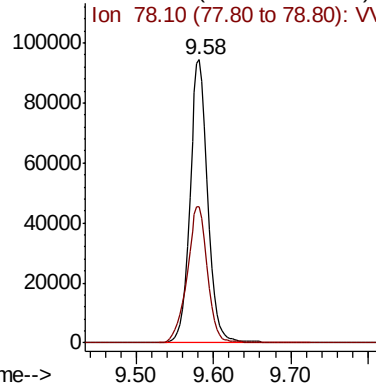


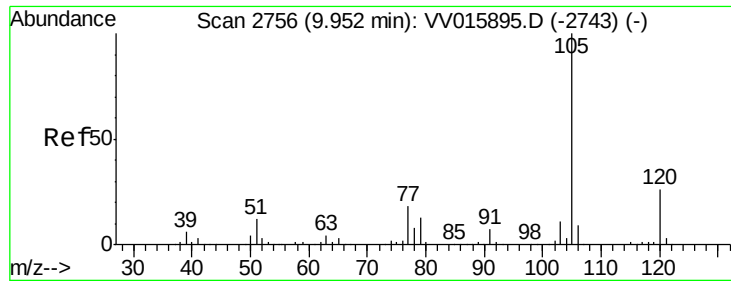
#55
Styrene
Concen: 5.124 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015904.D
Acq: 06 May 2020 10:00

Tgt Ion:104 Resp: 153270
Ion Ratio Lower Upper
104 100
78 48.2 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.016 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampleId :

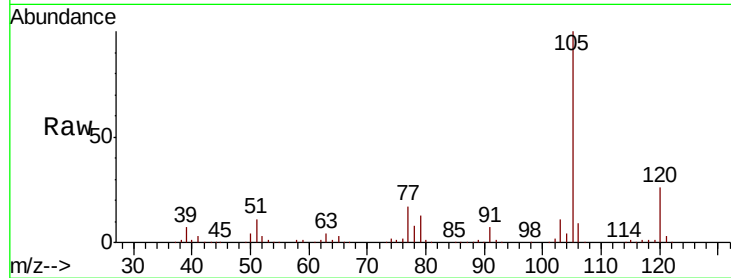
Tot Ion:105 Resp: 246807

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

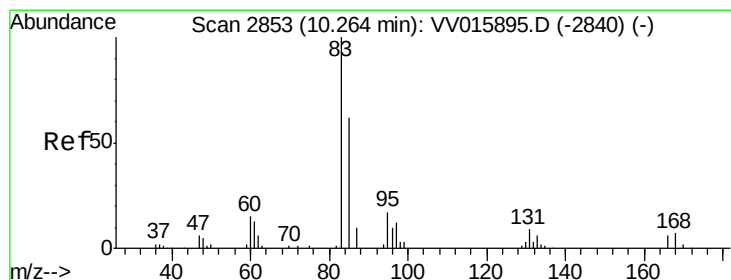
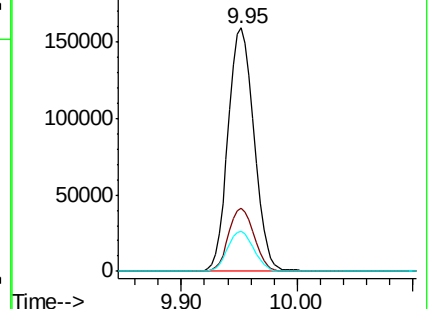
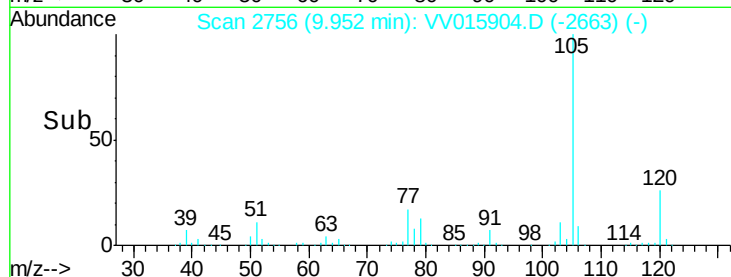
77 16.8 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

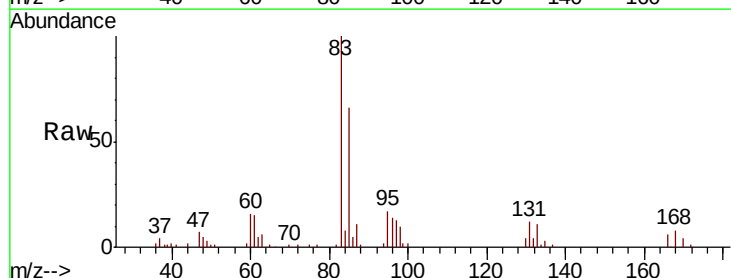
Tgt Ion: 83 Resp: 39311

Ion Ratio Lower Upper

83 100

85 65.7 44.0 81.6

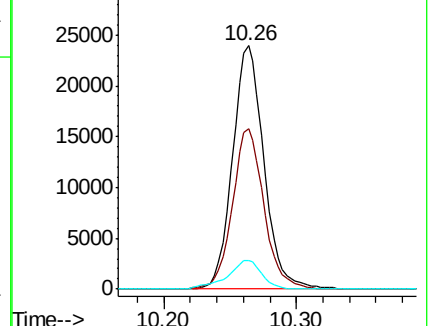
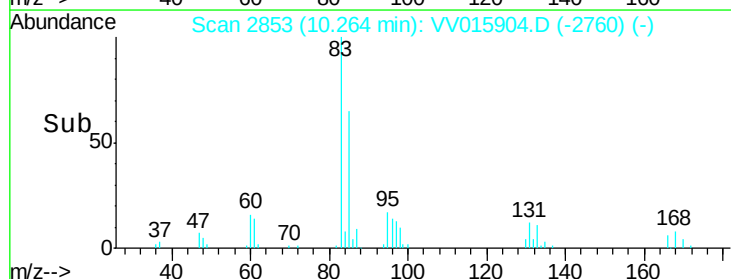
131 12.0 7.7 11.5#

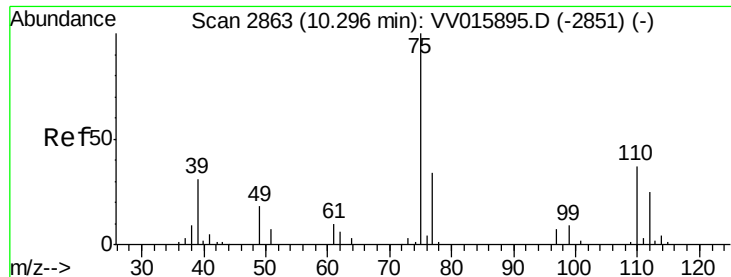


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.955 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

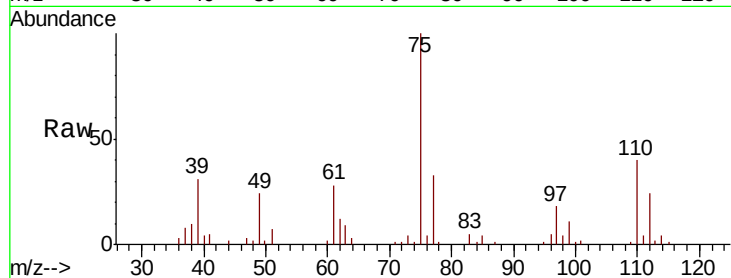
ClientSampled :

Tot Ion: 75 Resp: 31511

Ion Ratio Lower Upper

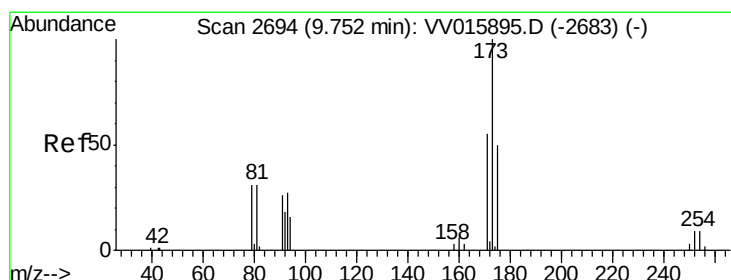
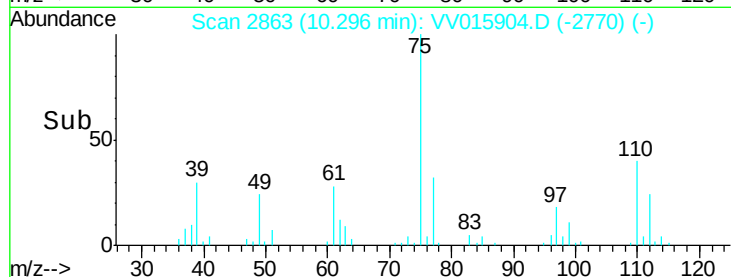
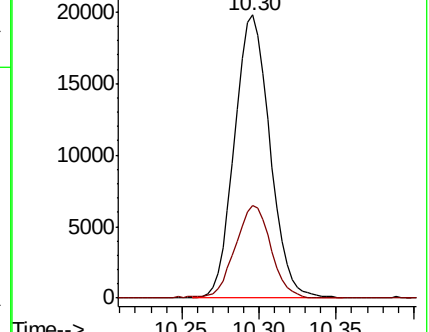
75 100

77 33.2 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV015895.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015895.D (-2851) (-)



#61

Bromoform

Concen: 5.223 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

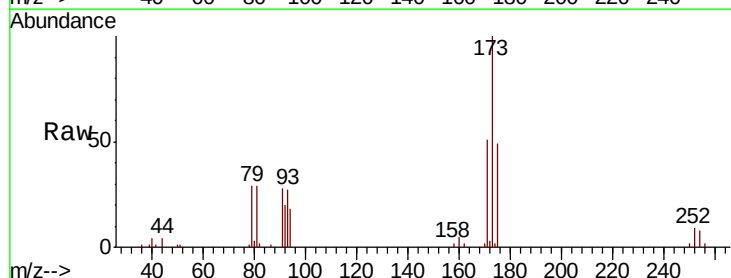
Tgt Ion: 173 Resp: 17764

Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

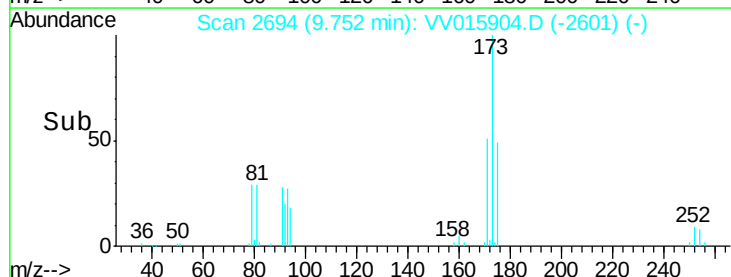
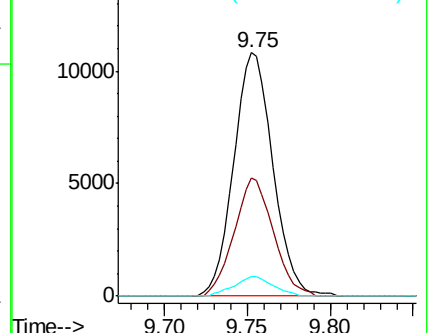
254 7.9 7.1 10.7

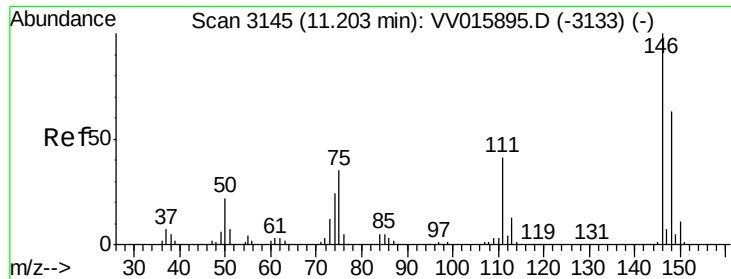


Abundance Ion 172.90 (172.60 to 173.60): VV015895.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015895.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015895.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 5.003 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampled :

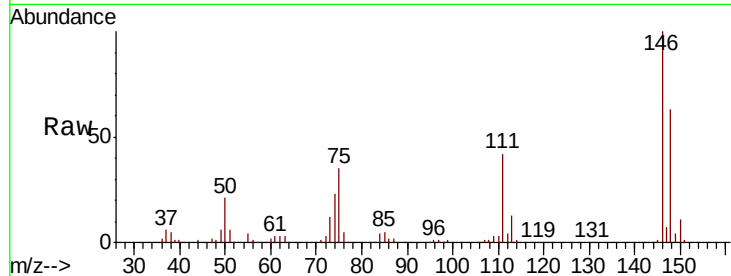
Tot Ion:146 Resp: 112618

Ion Ratio Lower Upper

146 100

111 42.1 28.7 53.3

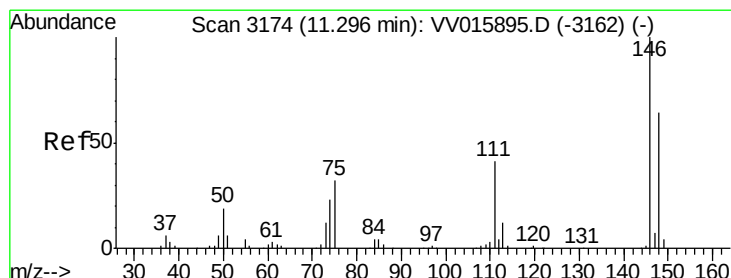
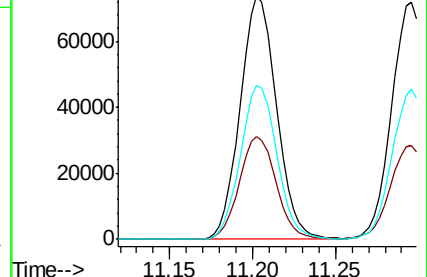
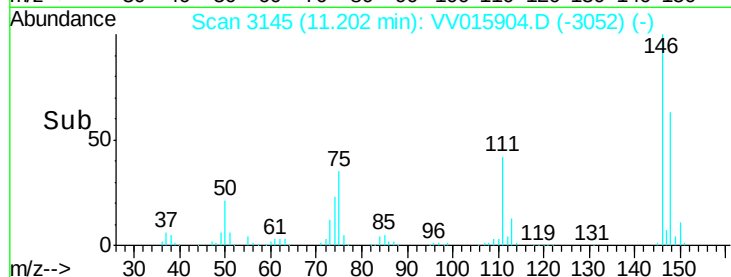
148 63.4 44.0 81.8



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



#63

1,4-Dichlorobenzene

Concen: 4.986 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

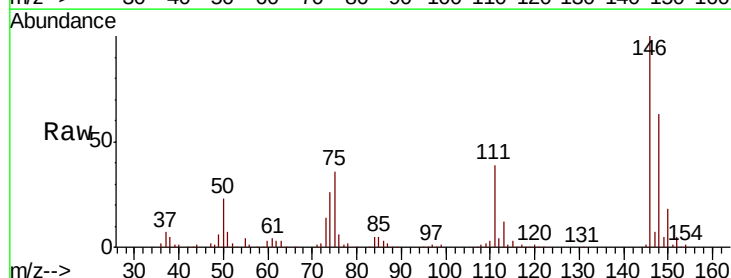
Tgt Ion:146 Resp: 111243

Ion Ratio Lower Upper

146 100

111 39.4 28.9 53.7

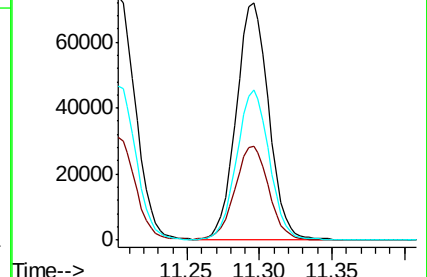
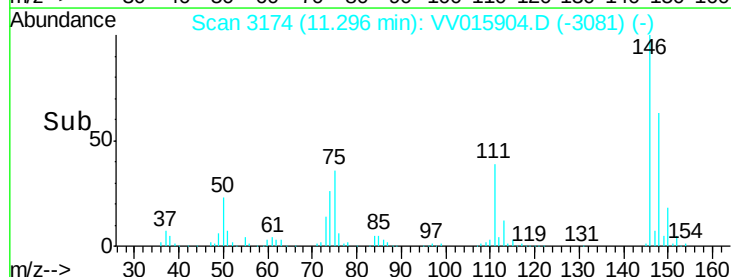
148 63.0 44.6 82.8

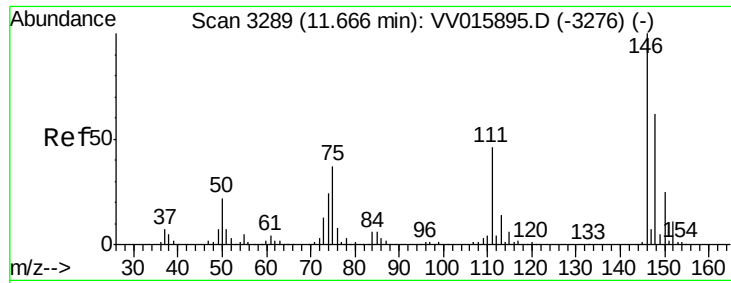


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.019 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampled :

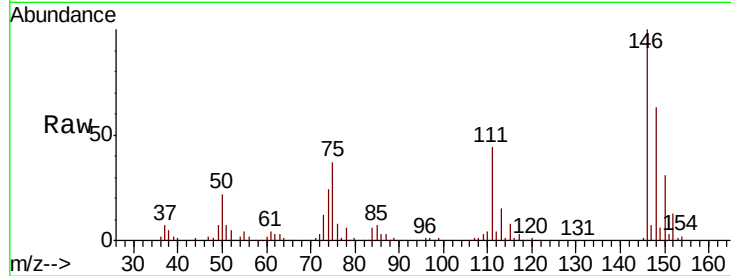
Tot Ion:146 Resp: 102422

Ion Ratio Lower Upper

146 100

111 43.9 37.0 55.4

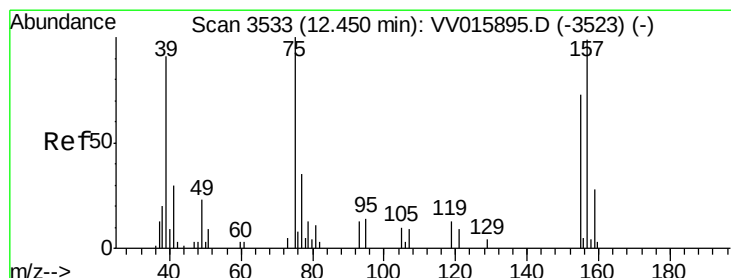
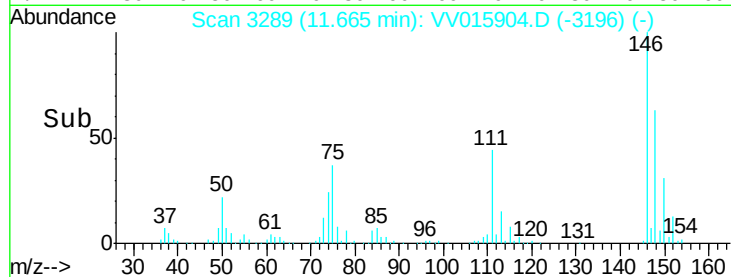
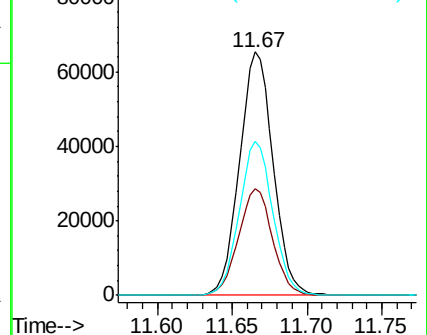
148 63.5 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.113 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

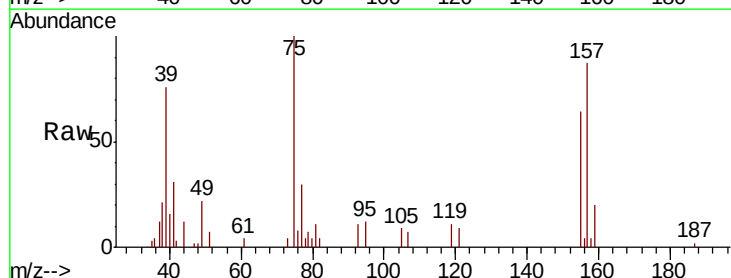
Tgt Ion: 75 Resp: 7248

Ion Ratio Lower Upper

75 100

155 64.1 58.2 87.4

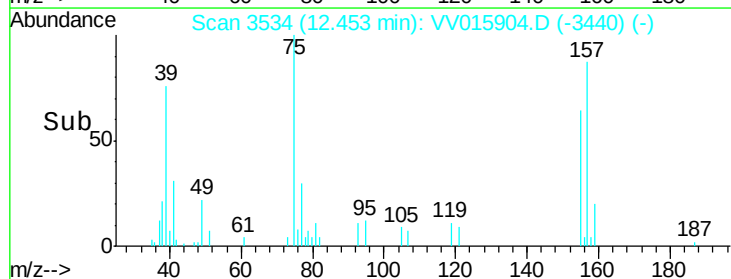
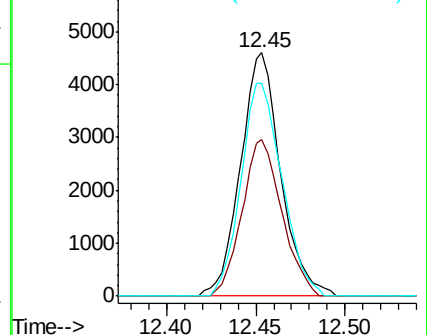
157 87.4 79.4 119.2

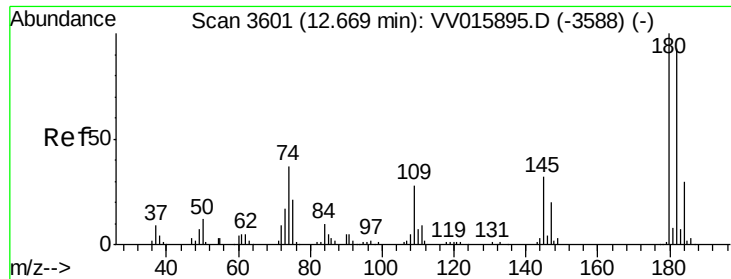


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

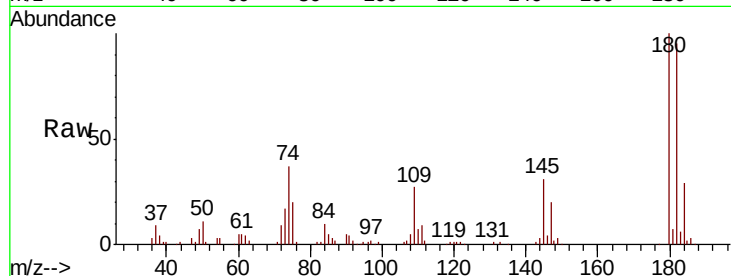




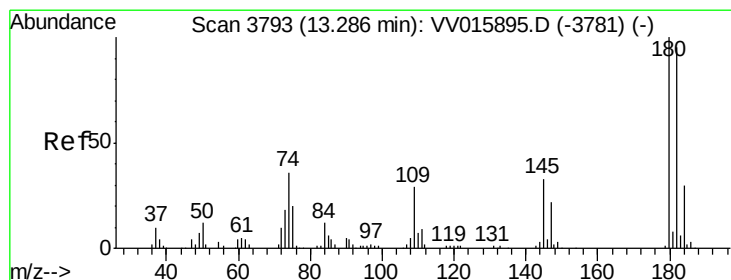
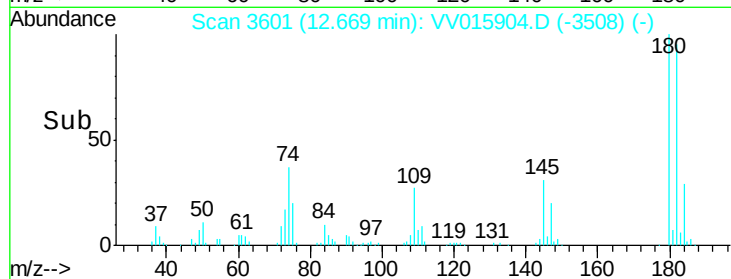
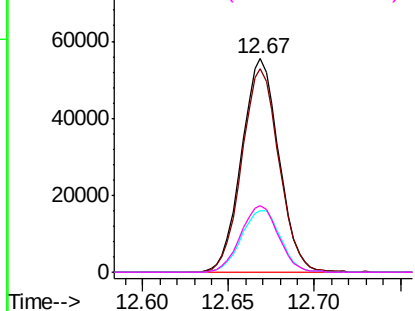
#67
 1,3,5-Trichlorobenzene
 Concen: 4.978 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	83375
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.8 113.6
184	30.2	24.6 36.8
145	31.6	26.0 39.0

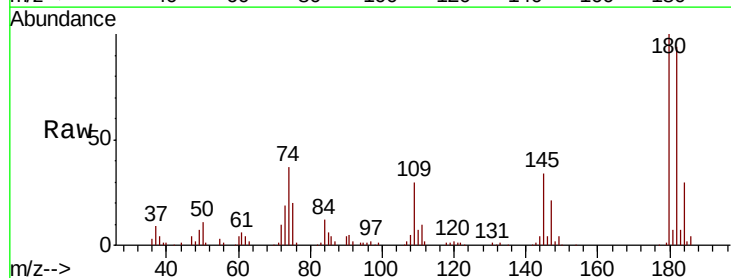


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

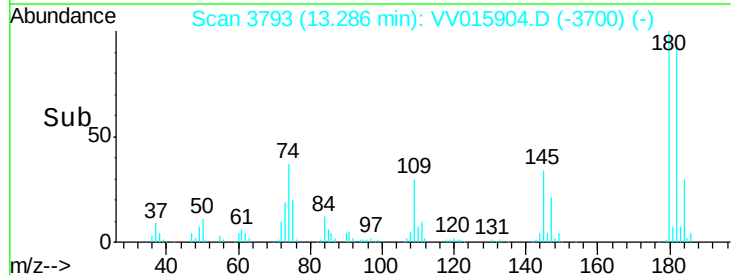
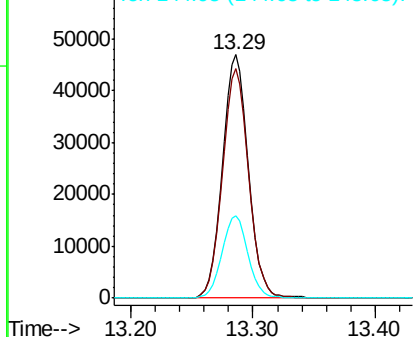


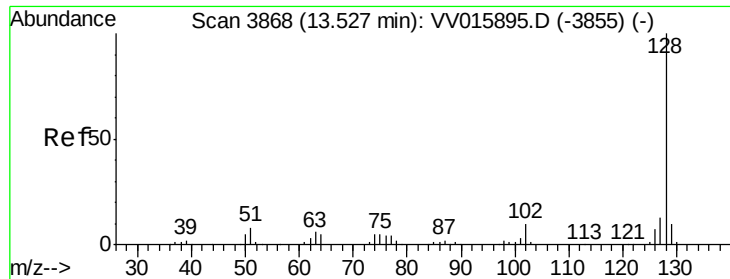
#68
 1,2,4-trichlorobenzene
 Concen: 4.987 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015904.D
 Acq: 06 May 2020 10:00

Tgt Ion:180	Resp:	70240
Ion Ratio	Lower	Upper
180	100	
182	95.0	76.7 115.1
145	34.0	26.4 39.6



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





#69

Naphthalene

Concen: 4.952 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

Instrument :

MSVOA_V

ClientSampleId :

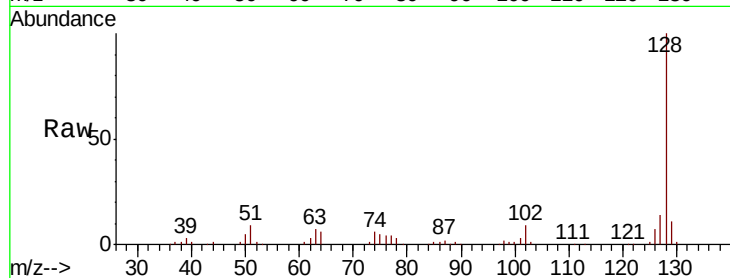
Tot Ion:128 Resp: 117935

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

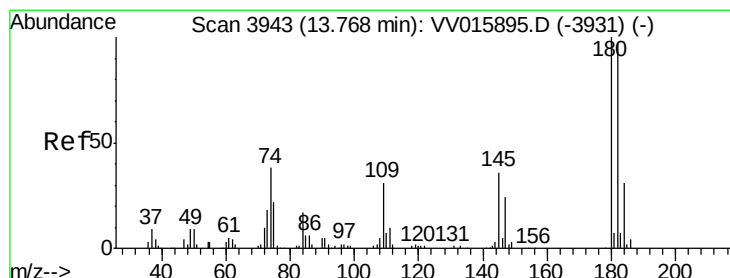
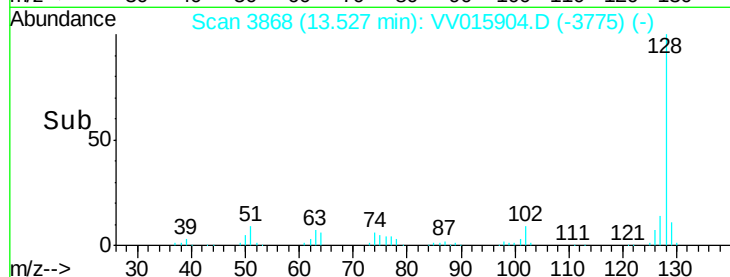
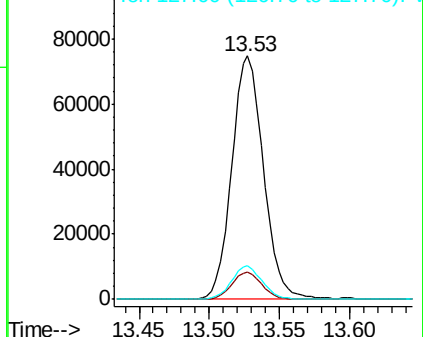
127 13.3 10.2 15.2



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



#70

1,2,3-Trichlorobenzene

Concen: 4.989 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015904.D

Acq: 06 May 2020 10:00

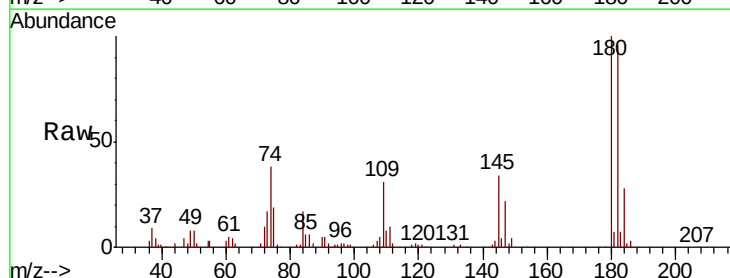
Tgt Ion:180 Resp: 62948

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

145 34.8 28.3 42.5



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

