

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018755.D
 Acq On : 08 Oct 2020 02:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 06:43:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	294995	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286689	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150782	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77080	44.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.10%
7) Chloroethane-d5	1.58	69	63388	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.62%
11) 1,1-Dichloroethene-d2	2.12	63	174024	49.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.74%
21) 2-Butanone-d5	3.90	46	113591	88.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.02%
24) Chloroform-d	4.37	84	166993	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	5.05	65	112633	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.08	84	307421	42.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.66%
36) 1,2-Dichloropropane-d6	6.09	67	96714	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.16%
41) Toluene-d8	7.34	98	288563	42.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.48%
43) trans-1,3-Dichloropropene-	7.64	79	50799	42.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.72%
47) 2-Hexanone-d5	8.11	63	70060	84.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.07%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	123130	42.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	119072	41.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	80282	40.025	ug/L 100
3) Chloromethane	1.25	50	97527	45.441	ug/L 100
5) Vinyl chloride	1.32	62	109482	48.518	ug/L 99
6) Bromomethane	1.53	94	67993	44.272	ug/L 95
8) Chloroethane	1.60	64	64351	46.278	ug/L 99
9) Trichlorofluoromethane	1.76	101	171664	50.054	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91897	47.875	ug/L 96
12) 1,1-Dichloroethene	2.13	96	89579	48.644	ug/L 97
13) Acetone	2.19	43	101226	90.790	ug/L 99
14) Carbon disulfide	2.31	76	279429	46.841	ug/L 99
15) Methyl Acetate	2.44	43	115217	53.640	ug/L 98
16) Methylene chloride	2.52	84	116110	52.533	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	104106	49.406	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	340099	52.974	ug/L 98
19) 1,1-Dichloroethane	3.21	63	196751	53.328	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	97282	43.441	ug/L 95
22) 2-Butanone	3.99	43	122321	86.847	ug/L 98

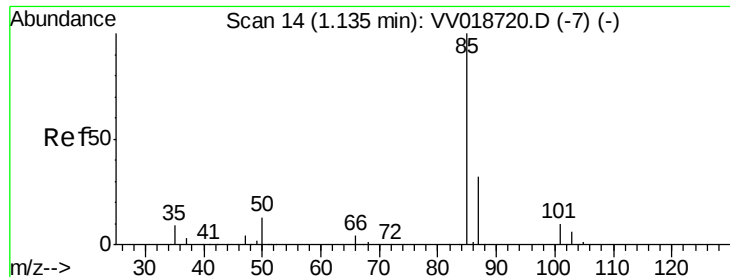
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
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 Acq On : 08 Oct 2020 02:29
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	52811	42.886	ug/L	95
25) Chloroform	4.40	83	180242	46.266	ug/L	98
27) 1,2-Dichloroethane	5.15	62	149735	49.312	ug/L	97
29) Cyclohexane	4.70	56	135615	41.475	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	159692	44.868	ug/L	97
31) Carbon tetrachloride	4.86	117	142524	44.619	ug/L	99
33) Benzene	5.13	78	367674	43.654	ug/L	100
34) Trichloroethene	5.94	95	111174	45.466	ug/L	95
35) Methylcyclohexane	6.15	83	129346	39.213	ug/L	98
37) 1,2-Dichloropropane	6.20	63	94620	43.787	ug/L	99
38) Bromodichloromethane	6.53	83	133727	46.210	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	148487	43.797	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	258309	92.639	ug/L	98
42) Toluene	7.41	91	408252	44.807	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	148841	44.691	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	95634	44.706	ug/L	98
46) Tetrachloroethene	8.00	164	182447	91.971	ug/L	96
48) 2-Hexanone	8.16	43	203588	93.579	ug/L	96
49) Dibromochloromethane	8.27	129	109199	44.631	ug/L	98
50) 1,2-Dibromoethane	8.37	107	100105	44.014	ug/L #	98
51) Chlorobenzene	8.90	112	262037	42.511	ug/L	96
52) Ethylbenzene	9.03	91	450241	44.248	ug/L	99
53) m,p-Xylene	9.16	106	170140	43.266	ug/L	96
54) o-xylene	9.56	106	165576	44.473	ug/L	97
55) Styrene	9.58	104	297699	45.923	ug/L	93
56) Isopropylbenzene	9.95	105	438965	43.963	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	128909	42.752	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	118105	44.934	ug/L	98
61) Bromoform	9.75	173	73523	42.450	ug/L #	95
62) 1,3-Dichlorobenzene	11.20	146	209738	42.981	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	216503	43.086	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	211725	43.858	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	29670	45.021	ug/L	84
67) 1,3,5-Trichlorobenzene	12.67	180	128019	37.873	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	122596	38.977	ug/L	98
69) Naphthalene	13.52	128	398298	44.236	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	123544	39.127	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 40.025 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

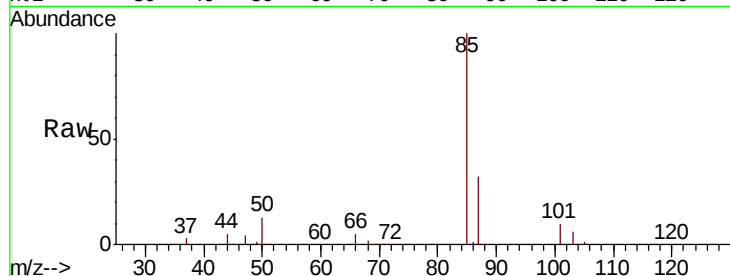
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 80282

Ion Ratio Lower Upper

85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018720.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018720.D (-7) (-)

1.14

80000

60000

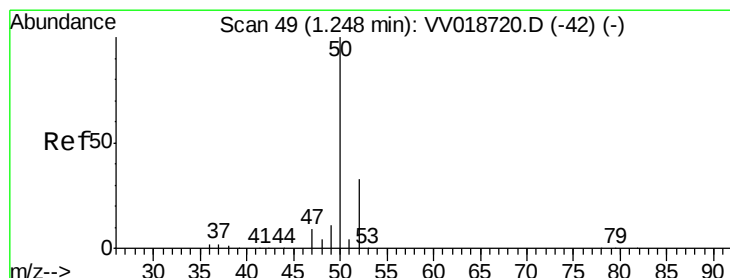
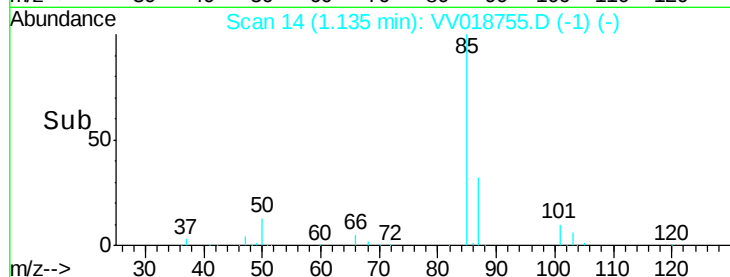
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 45.441 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018755.D

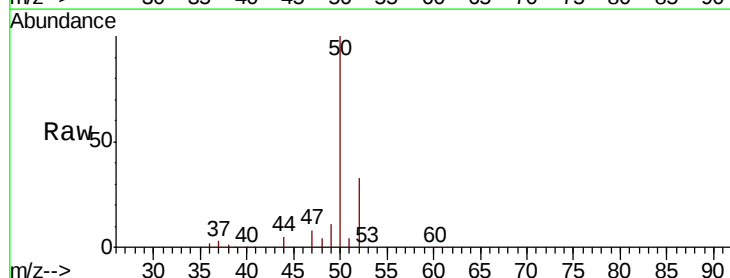
Acq: 08 Oct 2020 02:29

Tgt Ion: 50 Resp: 97527

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018720.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018720.D (-42) (-)

1.25

100000

80000

60000

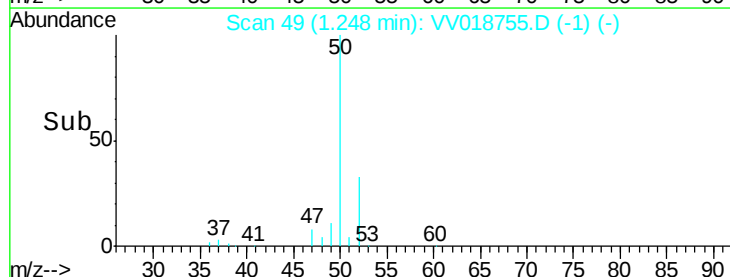
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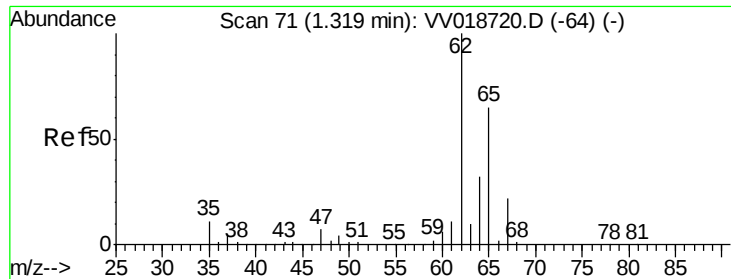
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 48.518 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :

MSVOA_V

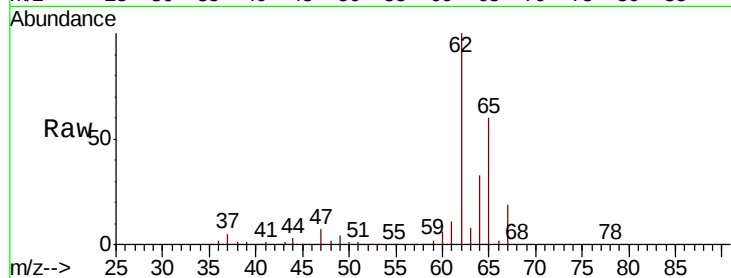
ClientSampled :

Tot Ion: 62 Resp: 109482

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

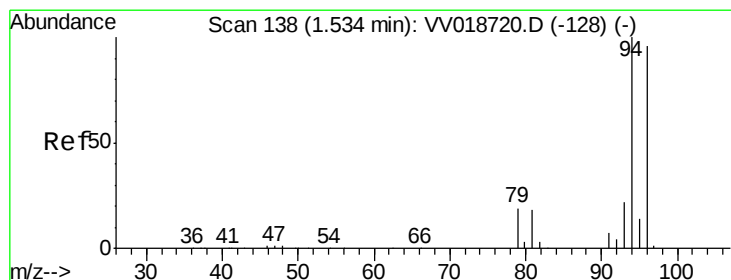
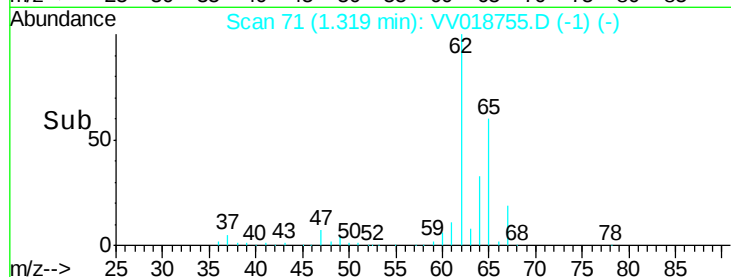
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 44.272 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018755.D

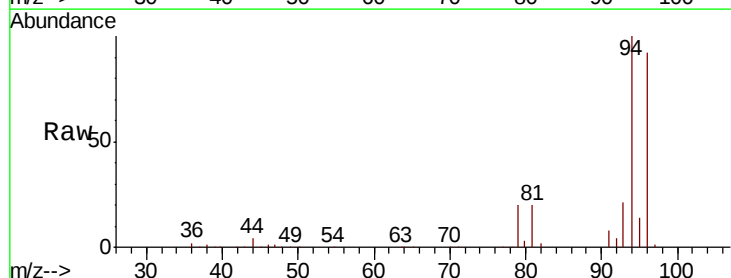
Acq: 08 Oct 2020 02:29

Tgt Ion: 94 Resp: 67993

Ion Ratio Lower Upper

94 100

96 91.7 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

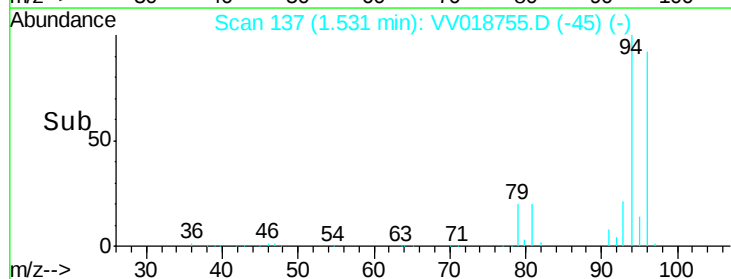
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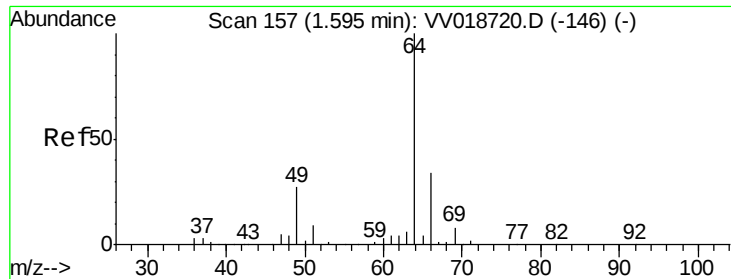
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20000

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Time-->

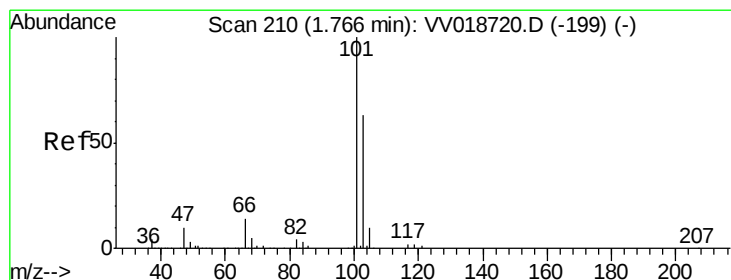
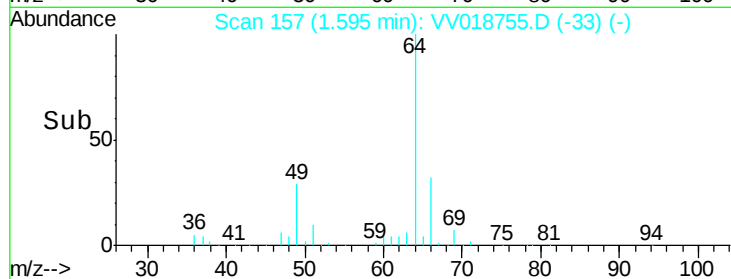
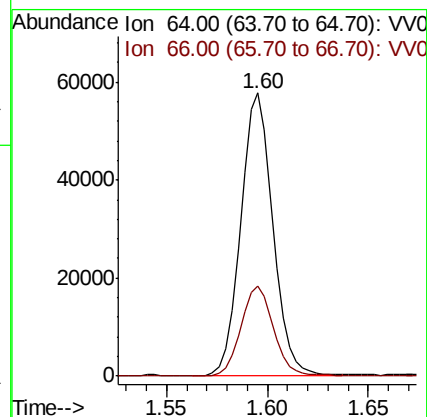
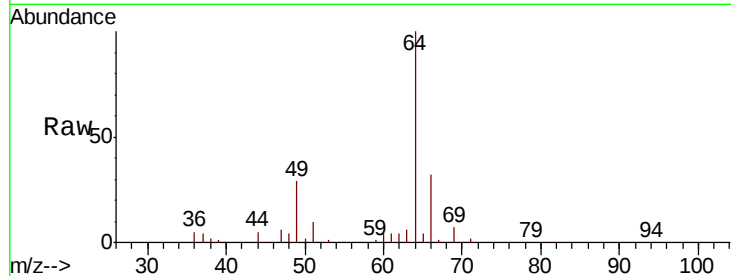




#8
Chloroethane
Concen: 46.278 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

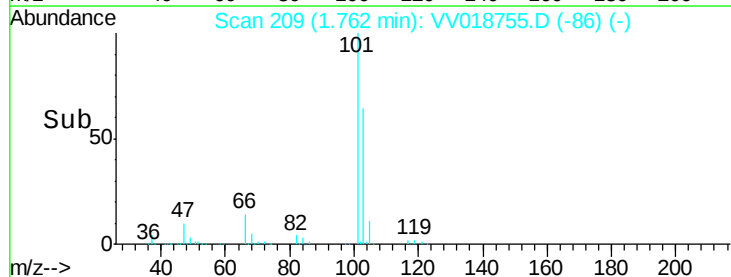
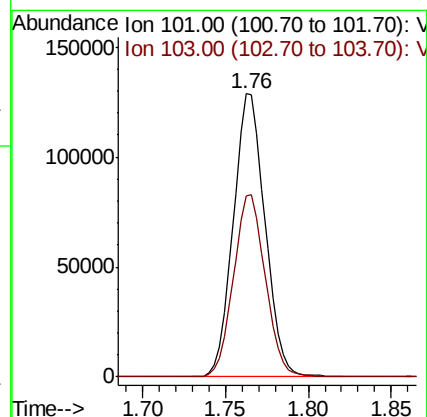
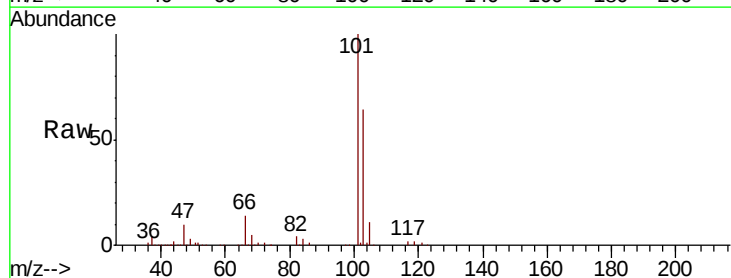
Instrument :
MSVOA_V
ClientSampleId :

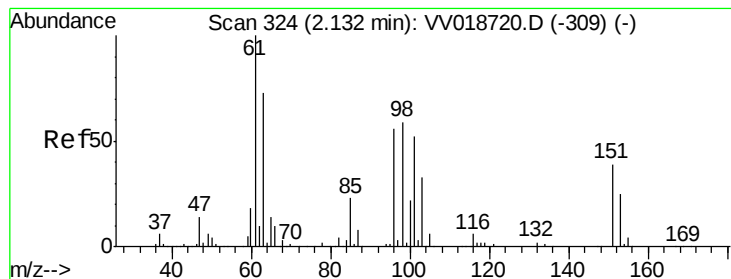
Tot Ion: 64 Resp: 64351
Ion Ratio Lower Upper
64 100
66 31.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 50.054 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

Tgt Ion:101 Resp: 171664
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

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

Concen: 47.875 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :

MSVOA_V

ClientSampleId :

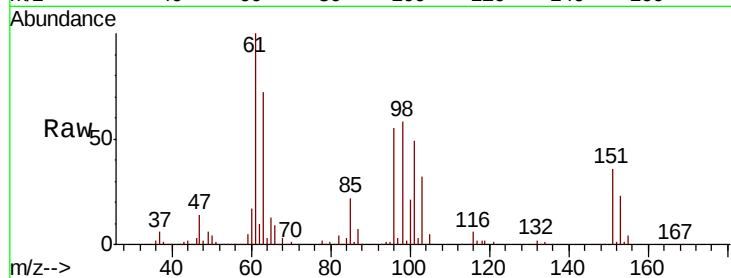
Tot Ion:101 Resp: 91897

Ion Ratio Lower Upper

101 100

85 44.8 34.6 52.0

151 76.2 64.3 96.5

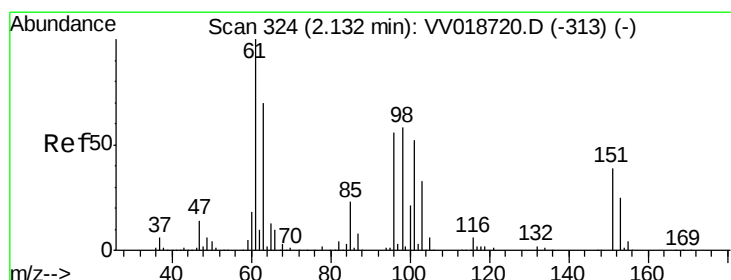
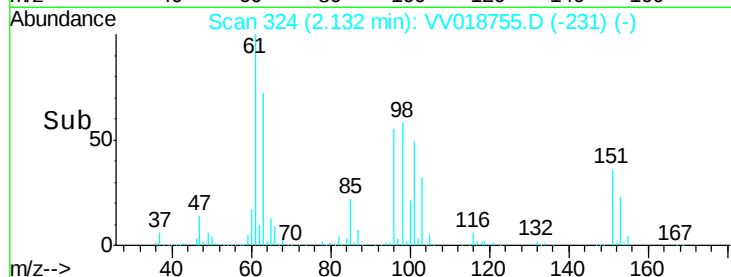


Abundance Ion 101.00 (100.70 to 101.70): VV018720.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV018720.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV018720.D (-309) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 48.644 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

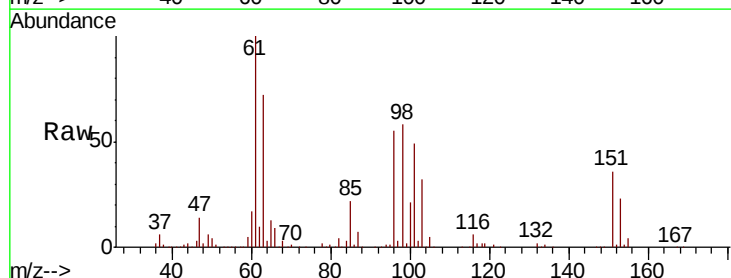
Tgt Ion: 96 Resp: 89579

Ion Ratio Lower Upper

96 100

61 182.3 122.8 228.1

63 131.5 91.9 170.7

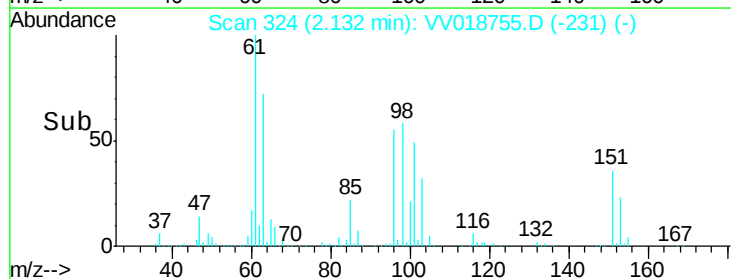


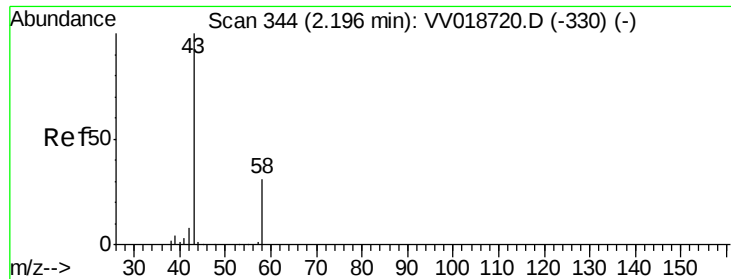
Abundance Ion 96.00 (95.70 to 96.70): VV018720.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018720.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018720.D (-313) (-)

Time-->





#13

Acetone

Concen: 90.790 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

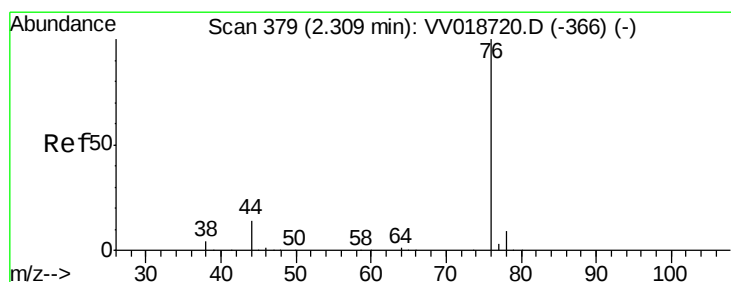
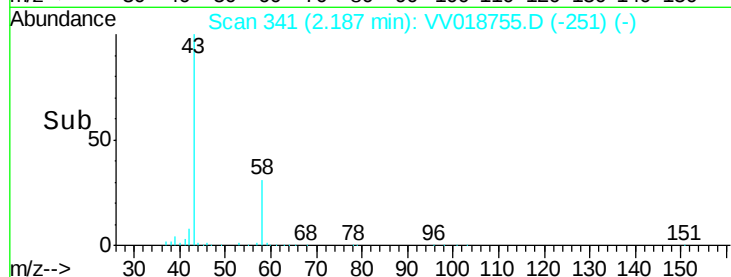
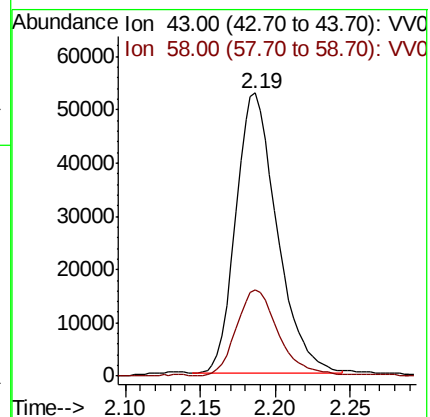
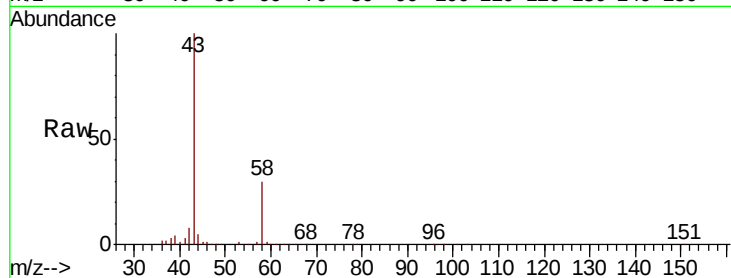
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 101226

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0



#14

Carbon disulfide

Concen: 46.841 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018755.D

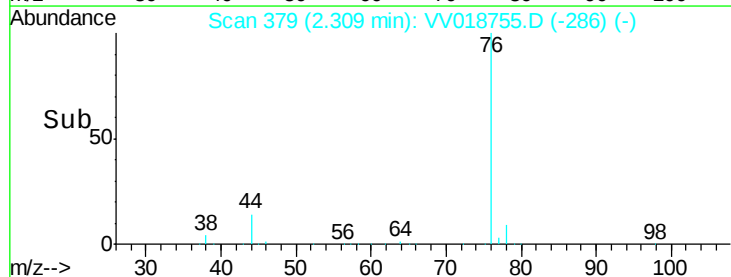
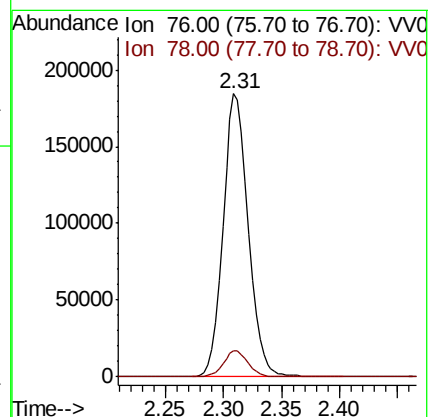
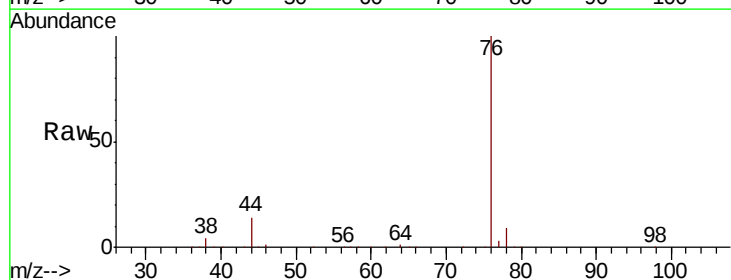
Acq: 08 Oct 2020 02:29

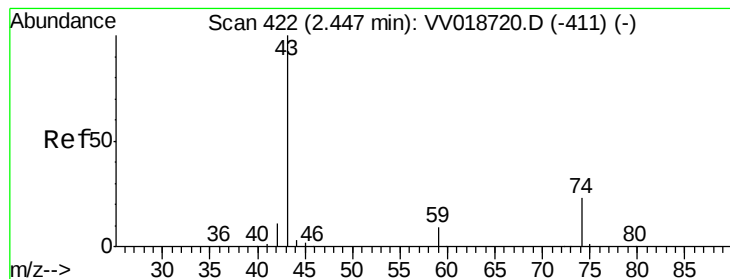
Tgt Ion: 76 Resp: 279429

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





#15

Methvl Acetate

Concen: 53.640 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :

MSVOA_V

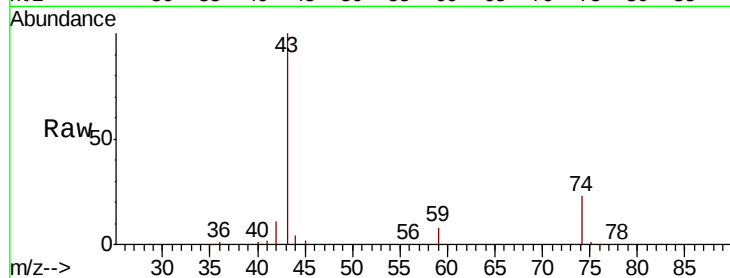
ClientSampleId :

Tot Ion: 43 Resp: 115217

Ion Ratio Lower Upper

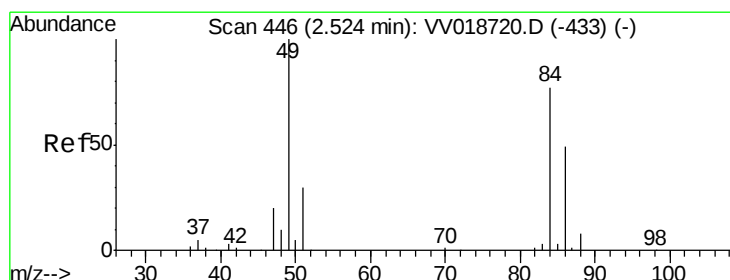
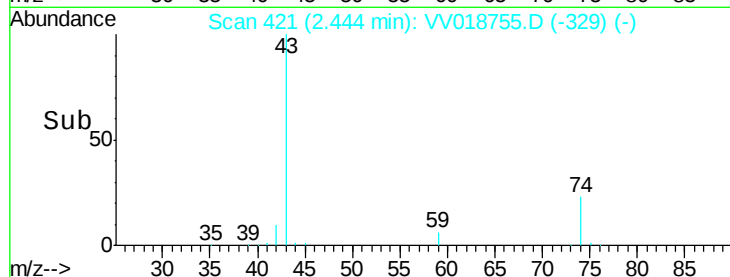
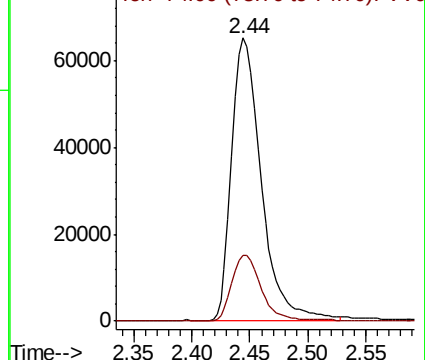
43 100

74 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 52.533 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

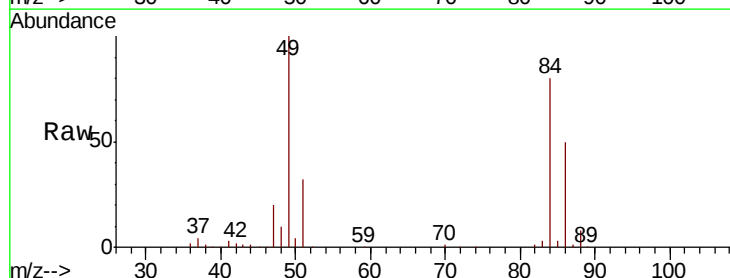
Tgt Ion: 84 Resp: 116110

Ion Ratio Lower Upper

84 100

86 62.1 46.2 85.8

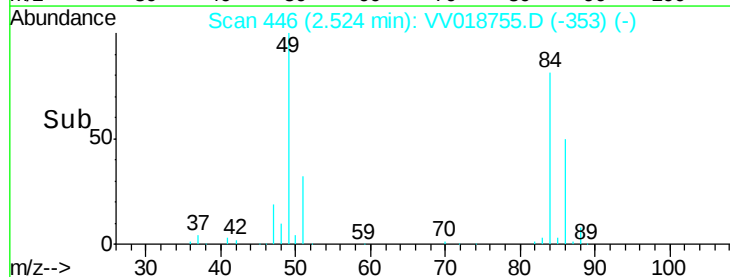
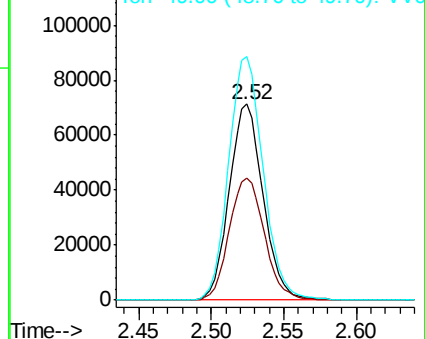
49 124.2 86.6 160.8

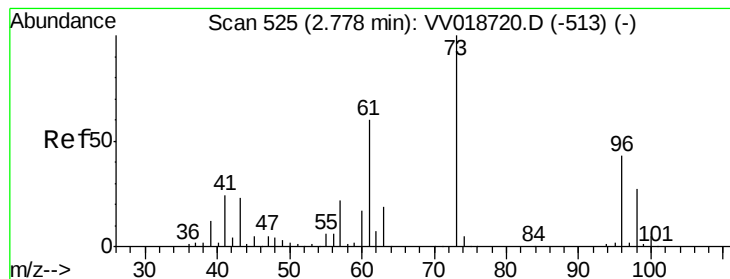


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.406 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

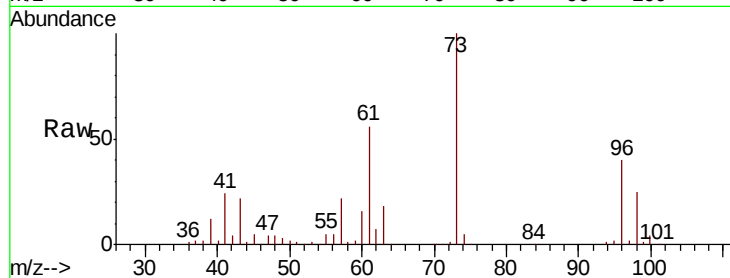
Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 104106

Ion	Ratio	Lower	Upper
96	100		
61	142.2	95.0	176.4
98	64.0	44.6	82.8

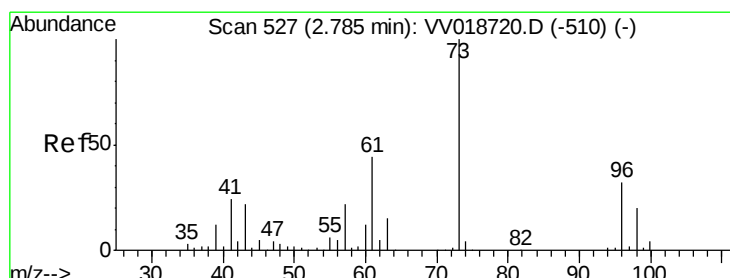
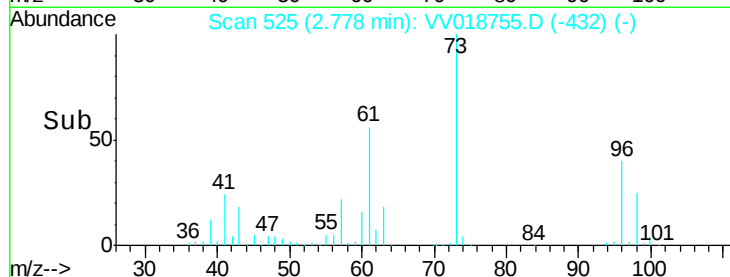
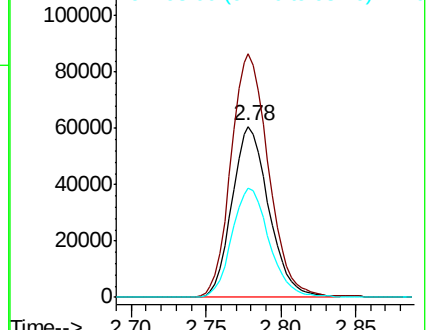


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.974 ug/L

RT: 2.78 min Scan# 527

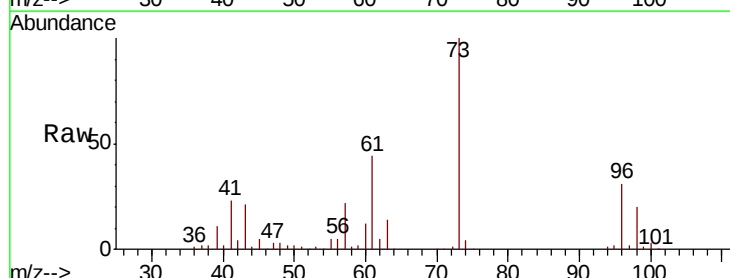
Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Tgt Ion: 73 Resp: 340099

Ion	Ratio	Lower	Upper
73	100		
43	21.3	15.9	23.9
57	22.1	17.5	26.3

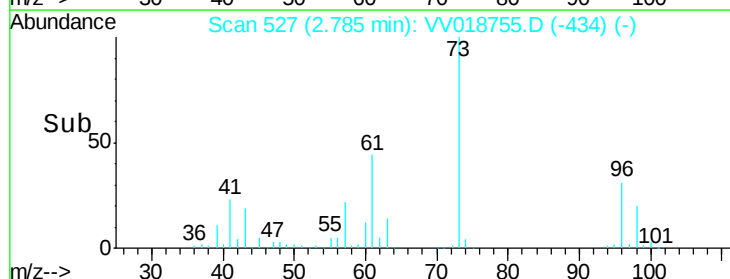
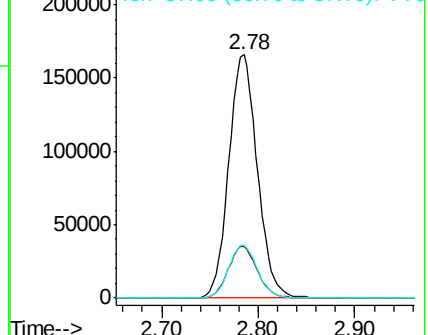


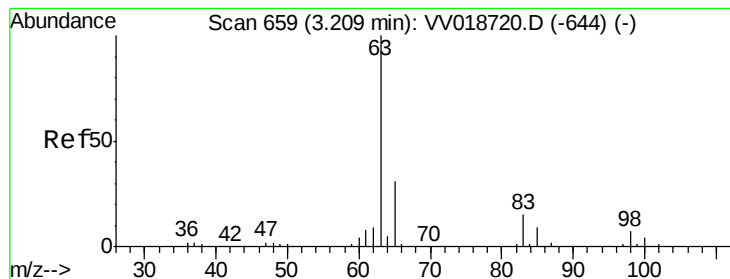
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 53.328 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :

MSVOA_V

ClientSampled :

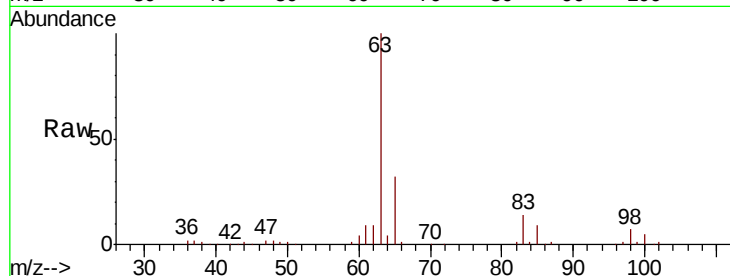
Tot Ion: 63 Resp: 196751

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.3

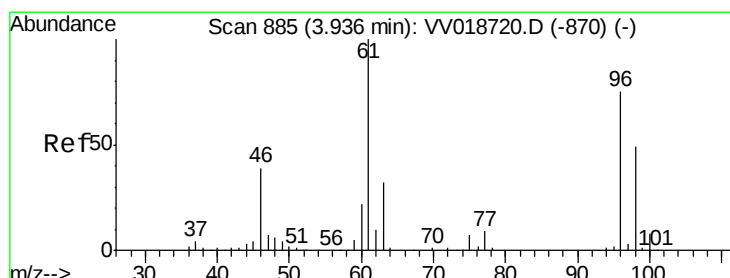
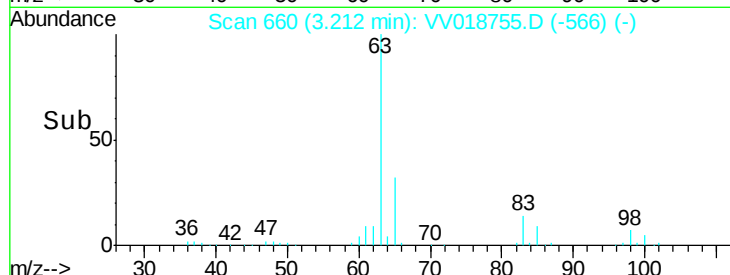
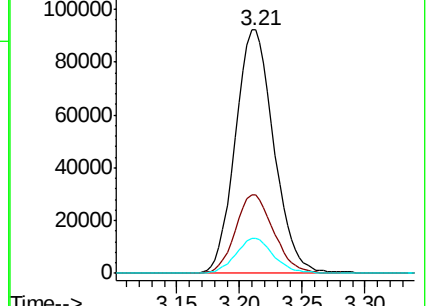
83 14.4 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 43.441 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

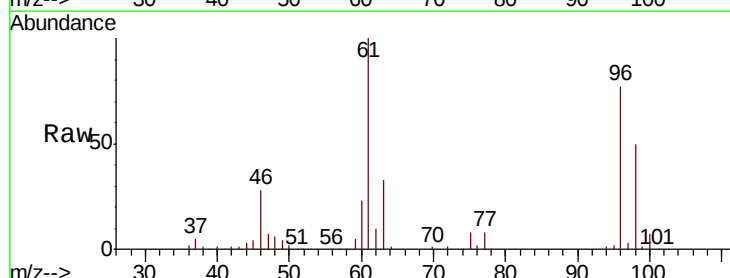
Tgt Ion: 96 Resp: 97282

Ion Ratio Lower Upper

96 100

61 129.8 86.8 161.2

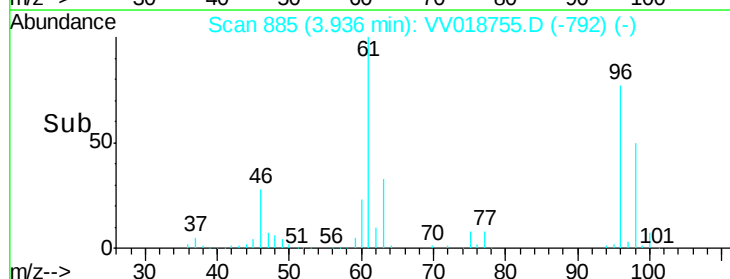
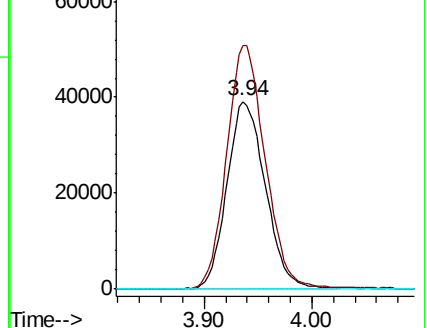
68 0.0 0.0 0.0

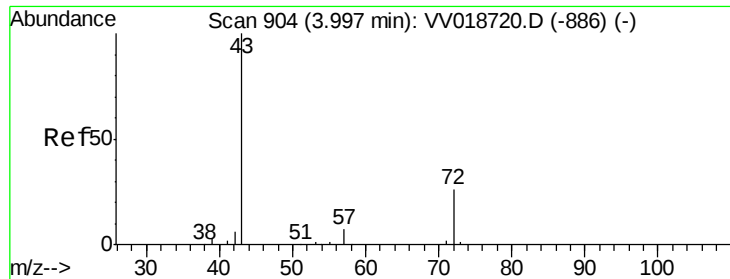


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 86.847 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

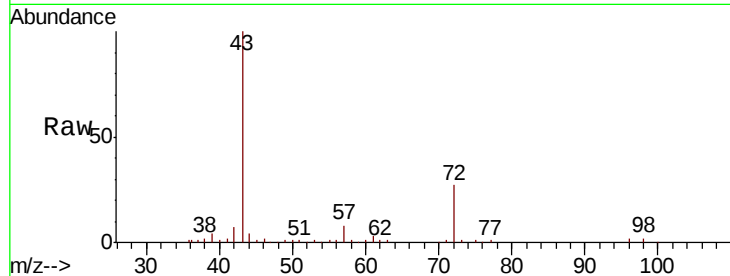
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 122321

Ion Ratio Lower Upper

43 100

72 23.3 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018720.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV018720.D (-886) (-)

50000

40000

30000

20000

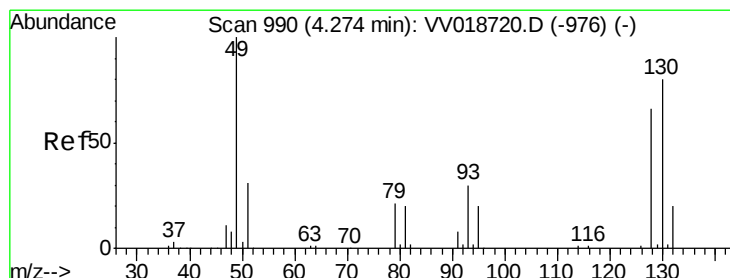
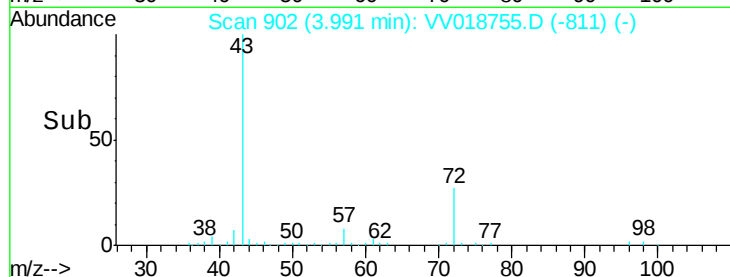
10000

0

Time-->

3.90 4.00 4.10

3.99



#23

Bromochloromethane

Concen: 42.886 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Tgt Ion: 128 Resp: 52811

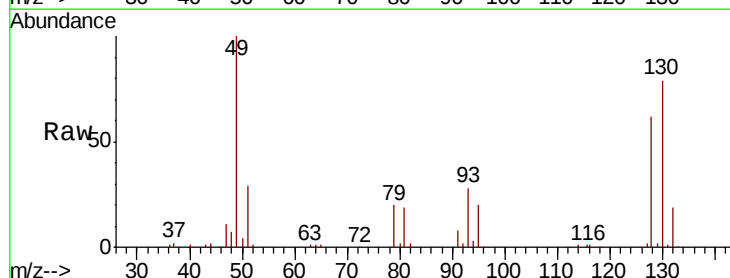
Ion Ratio Lower Upper

128 100

49 162.5 105.1 195.1

130 128.3 90.0 167.2

51 47.2 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018720.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018720.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018720.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018720.D (-976) (-)

50000

40000

30000

20000

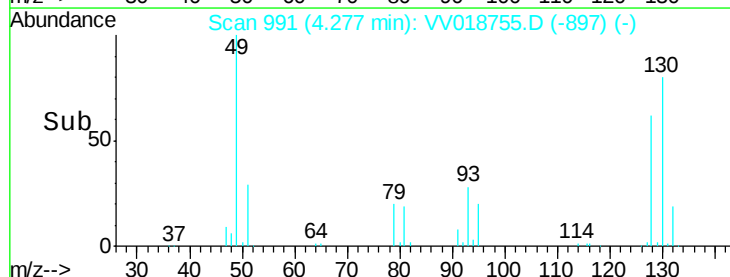
10000

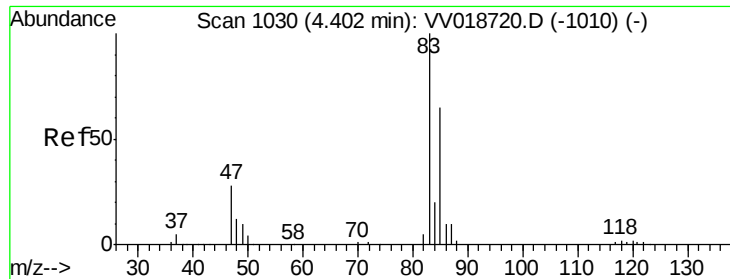
0

Time-->

4.20 4.25 4.30 4.35 4.40

4.28

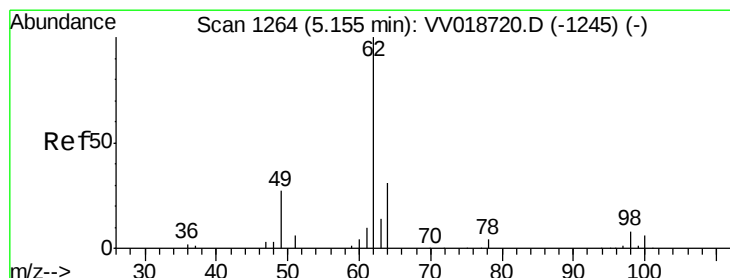
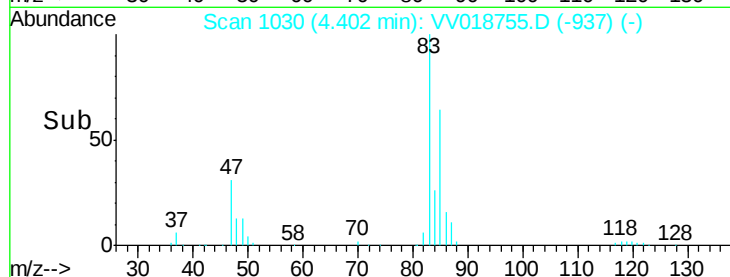
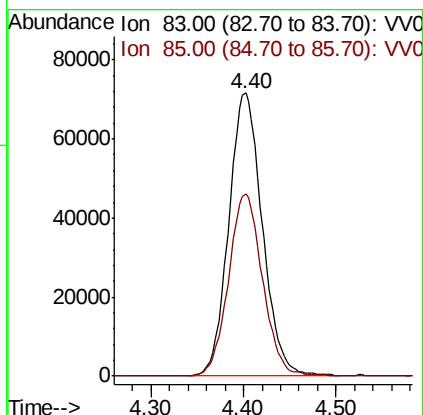
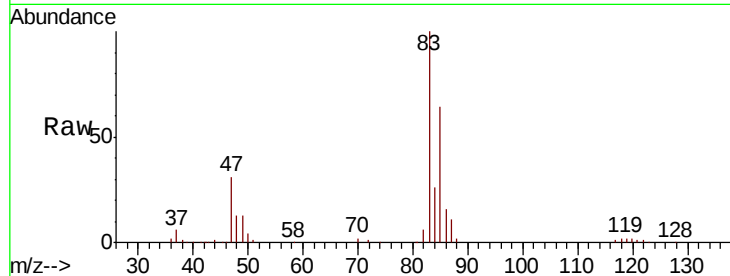




#25
Chloroform
Concen: 46.266 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

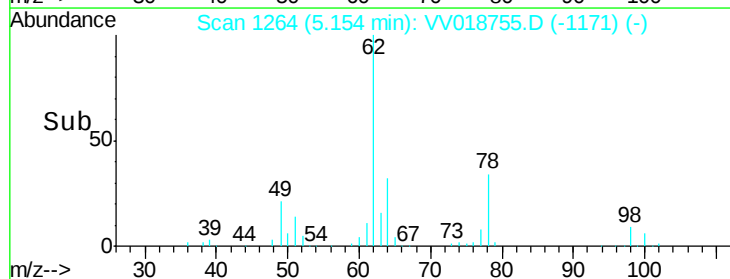
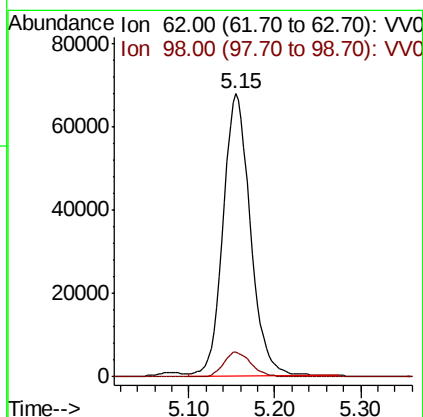
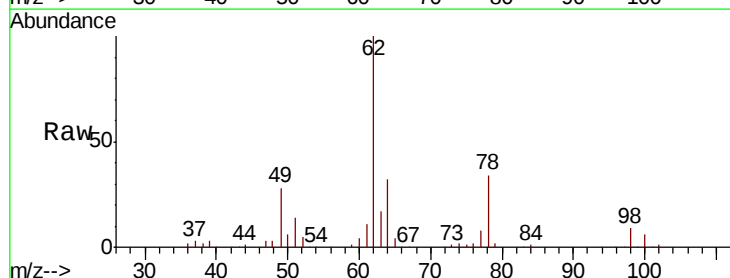
Instrument :
MSVOA_V
ClientSampleId :

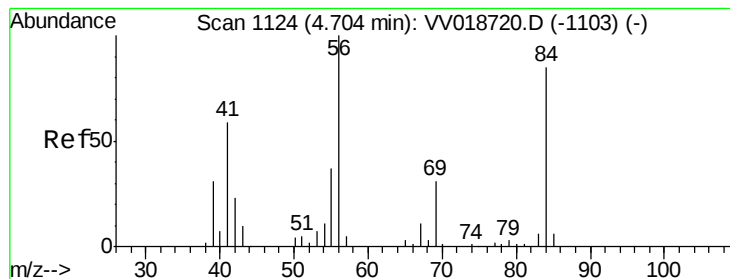
Tot Ion: 83 Resp: 180242
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 49.312 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

Tgt Ion: 62 Resp: 149735
Ion Ratio Lower Upper
62 100
98 8.6 7.7 11.5





#29

Cyclohexane

Concen: 41.475 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :
MSVOA_V
ClientSampleId :

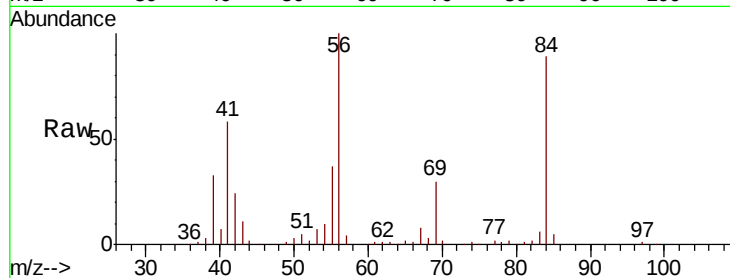
Tot Ion: 56 Resp: 135615

Ion Ratio Lower Upper

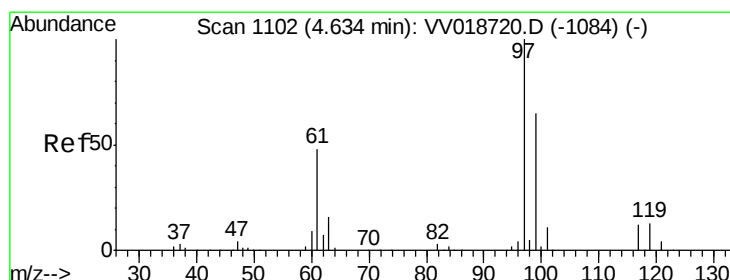
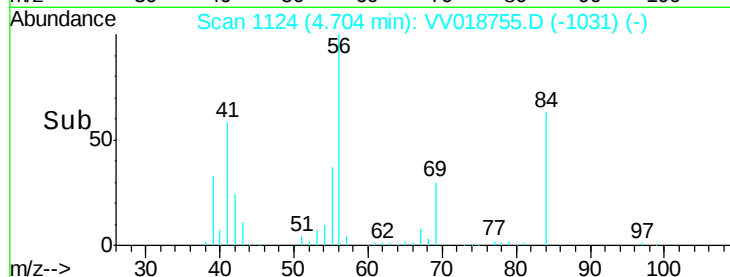
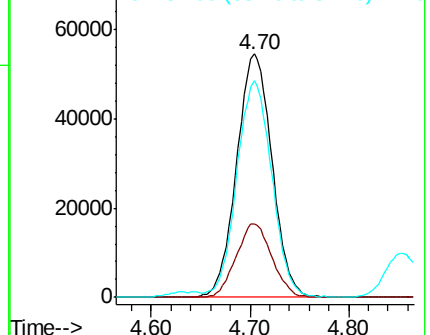
56 100

69 30.6 24.8 37.2

84 88.0 72.2 108.4



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



#30

1,1,1-Trichloroethane

Concen: 44.868 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

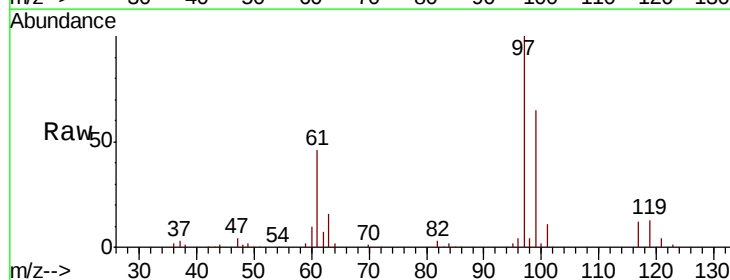
Tgt Ion: 97 Resp: 159692

Ion Ratio Lower Upper

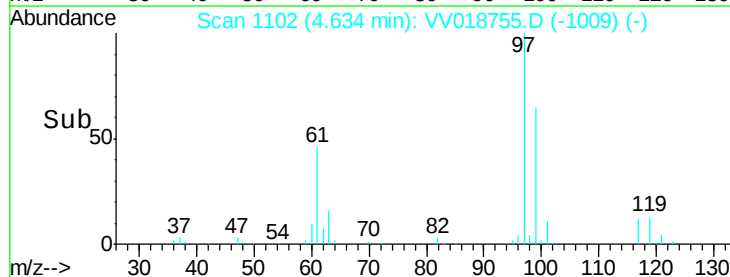
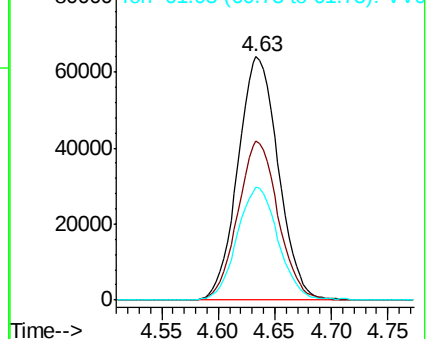
97 100

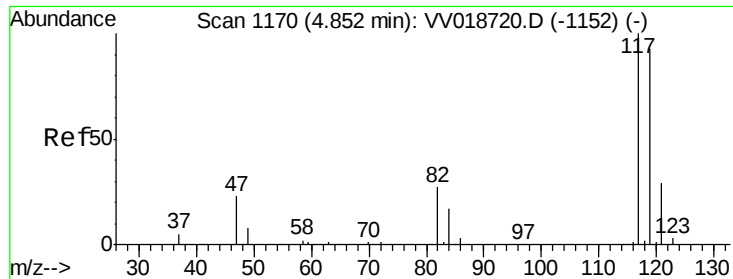
99 65.1 51.4 77.0

61 46.9 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

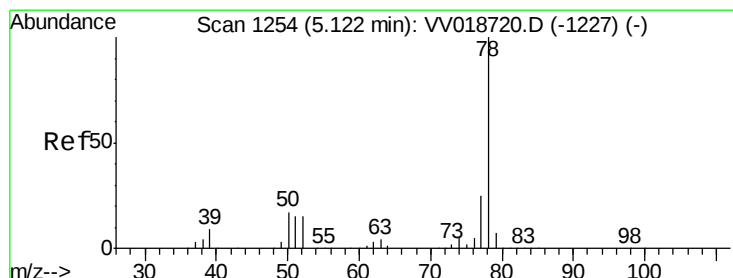
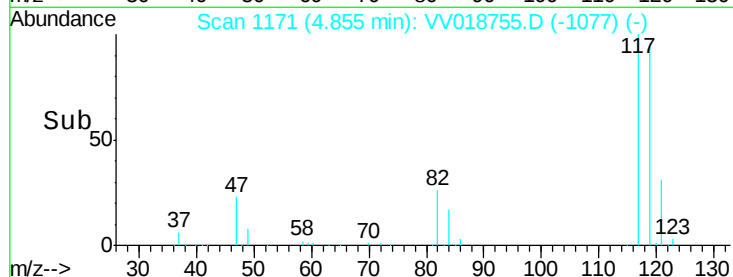
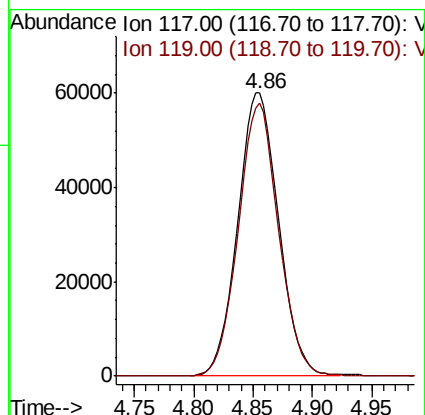
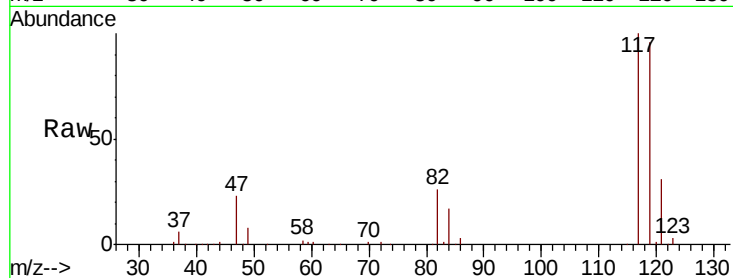




#31
Carbon tetrachloride
Concen: 44.619 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

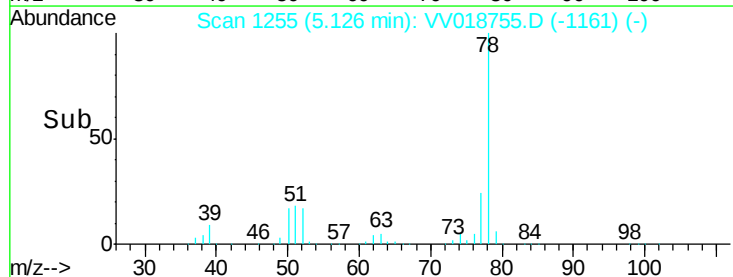
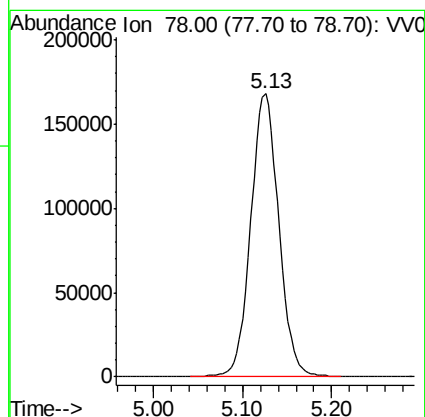
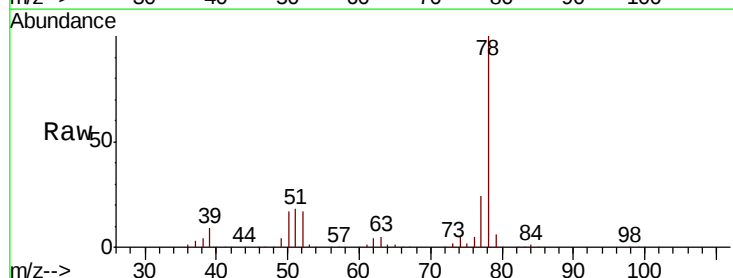
Instrument :
MSVOA_V
ClientSampleId :

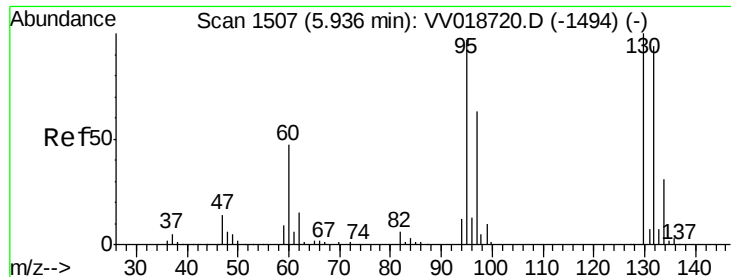
Tot Ion:117 Resp: 142524
Ion Ratio Lower Upper
117 100
119 95.1 77.0 115.6



#33
Benzene
Concen: 43.654 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

Tgt Ion: 78 Resp: 367674

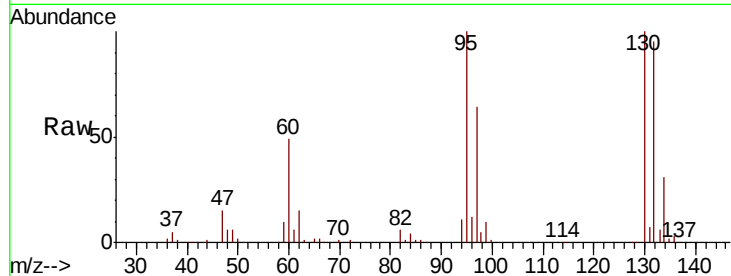




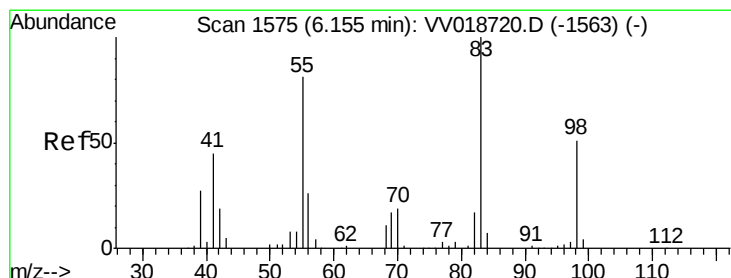
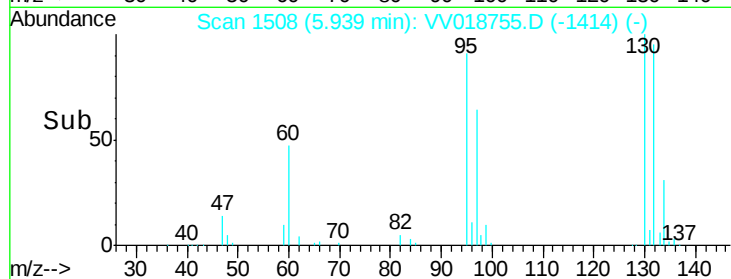
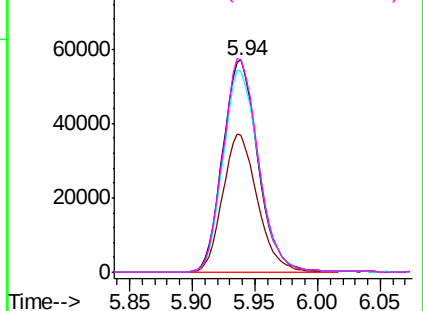
#34
 Trichloroethene
 Concen: 45.466 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 111174
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.9 85.3
 132 94.9 70.8 131.4
 130 100.3 75.3 139.8

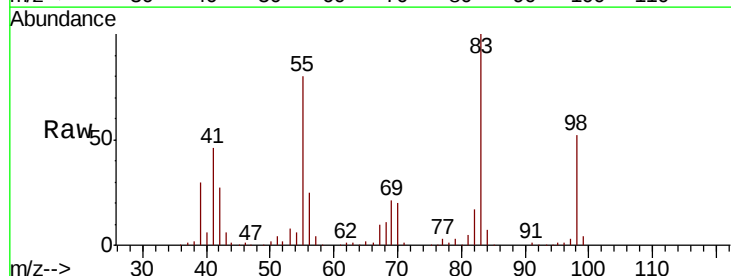


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

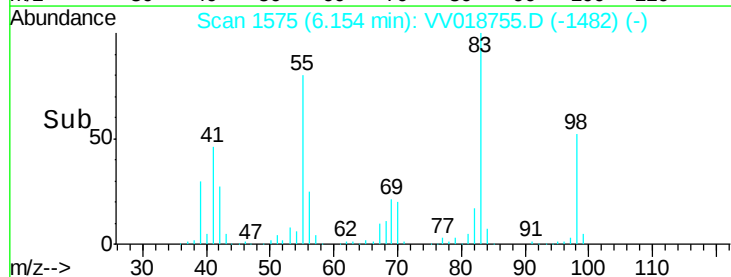
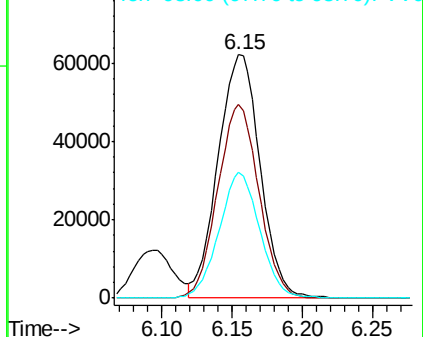


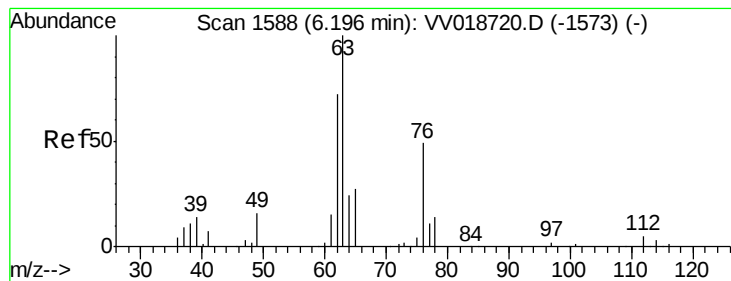
#35
 Methylcyclohexane
 Concen: 39.213 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

Tgt Ion: 83 Resp: 129346
 Ion Ratio Lower Upper
 83 100
 55 78.0 60.1 90.1
 98 50.1 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 43.787 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

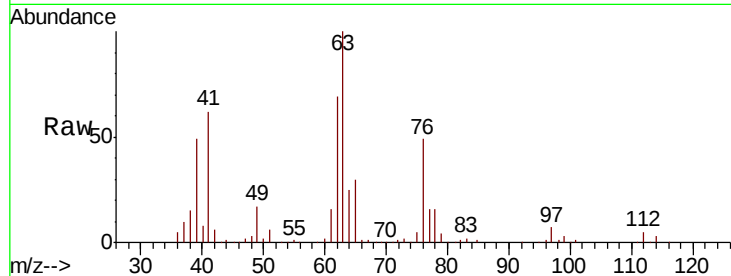
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 94620

Ion Ratio Lower Upper

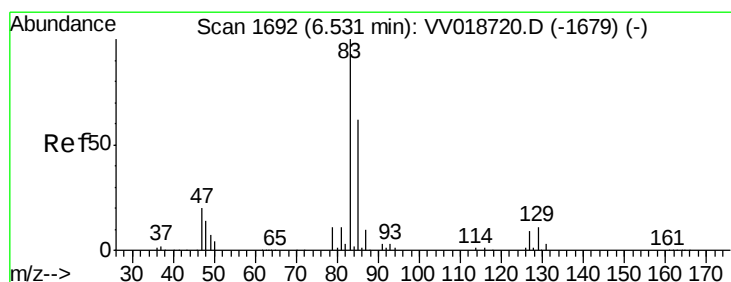
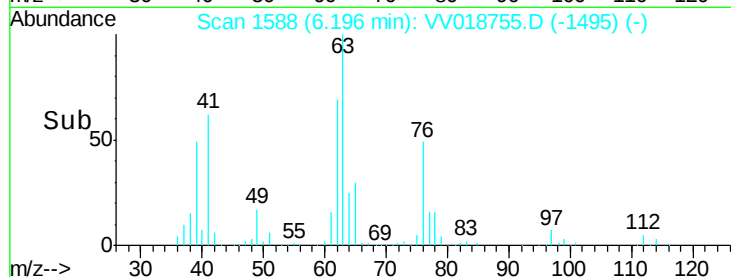
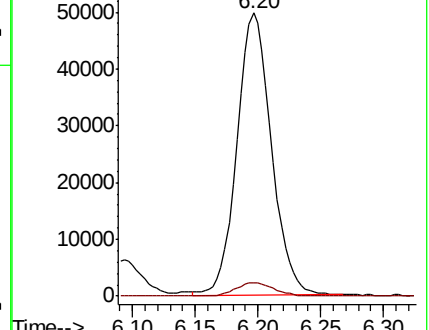
63 100

112 5.2 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV018720.D (-1573) (-)

Ion 112.00 (111.70 to 112.70): VV018720.D (-1573) (-)



#38

Bromodichloromethane

Concen: 46.210 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

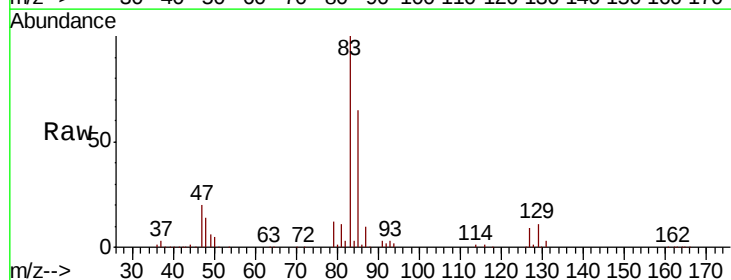
Tgt Ion: 83 Resp: 133727

Ion Ratio Lower Upper

83 100

85 65.1 44.5 82.7

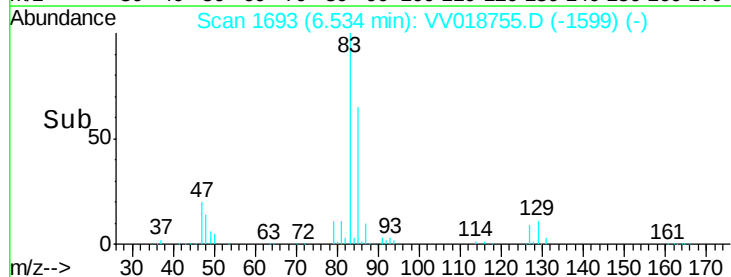
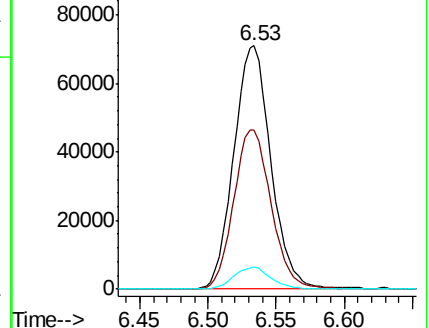
127 9.0 7.2 10.8

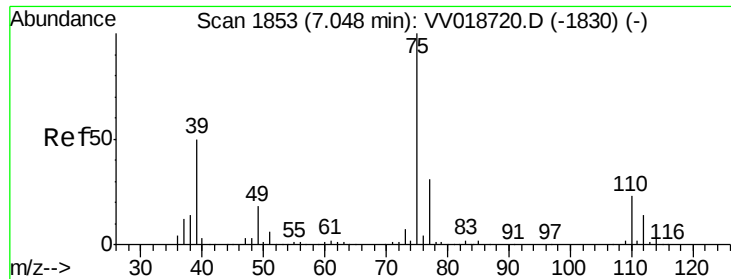


Abundance Ion 83.00 (82.70 to 83.70): VV018720.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018720.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018720.D (-1679) (-)

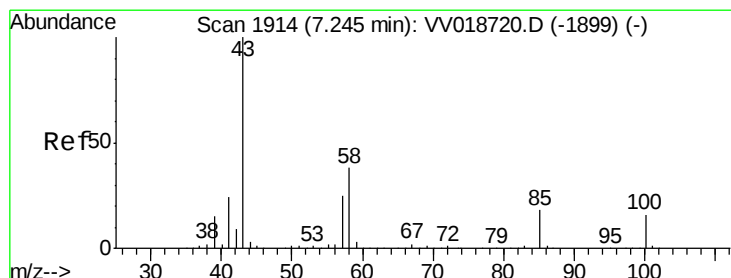
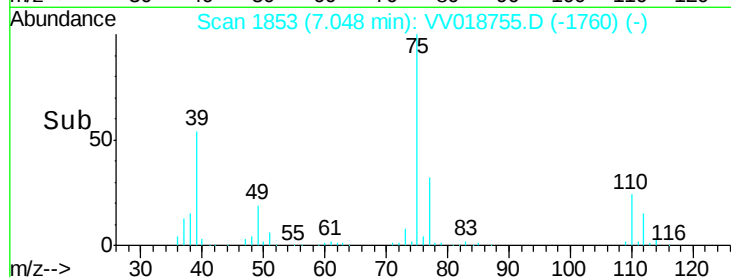
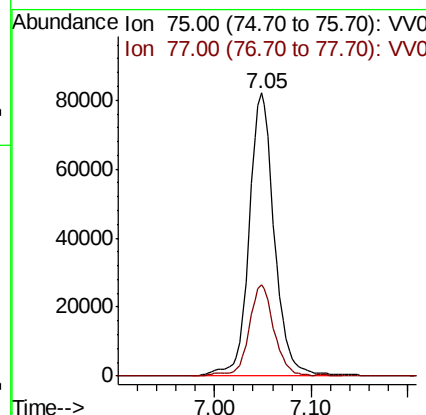
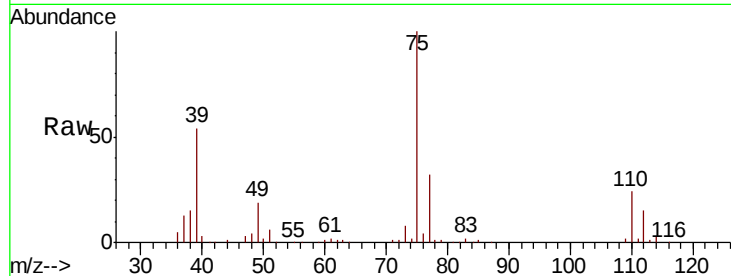




#39
 cis-1,3-Dichloropropene
 Concen: 43.797 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

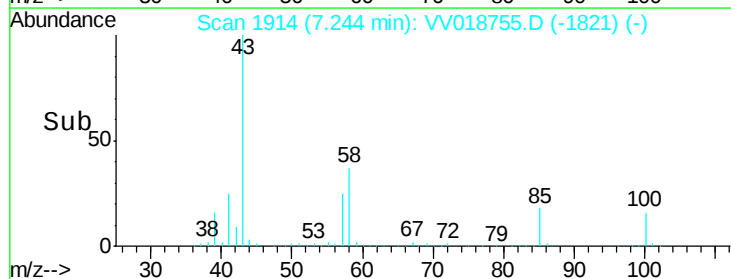
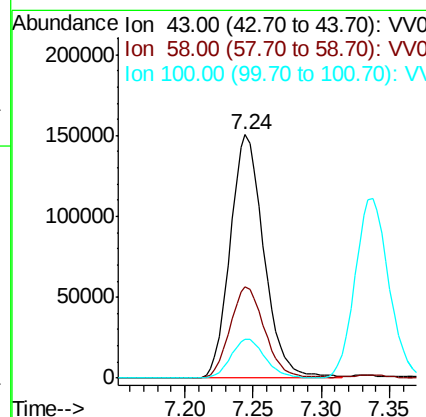
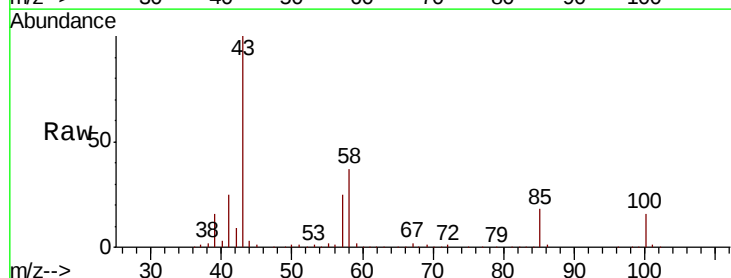
Instrument :
 MSVOA_V
 ClientSampled :

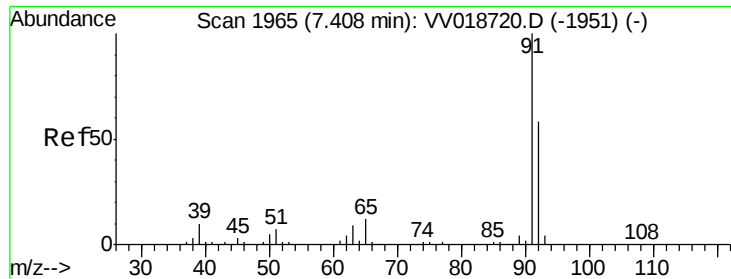
Tot Ion: 75 Resp: 148487
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 92.639 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

Tgt Ion: 43 Resp: 258309
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.8 47.6
 100 16.2 13.4 20.0





#42

Toluene

Concen: 44.807 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

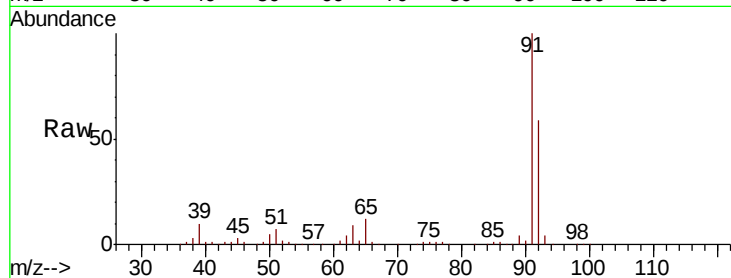
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 408252

Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018720.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018720.D (-1951) (-)

7.41

250000

200000

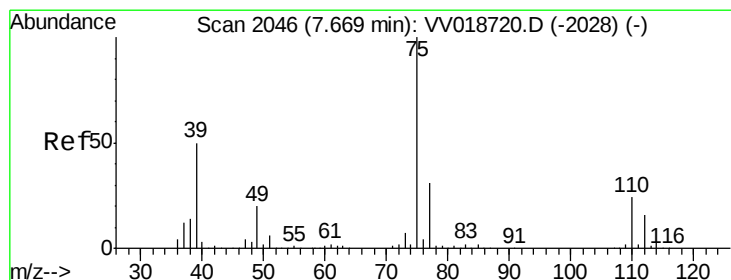
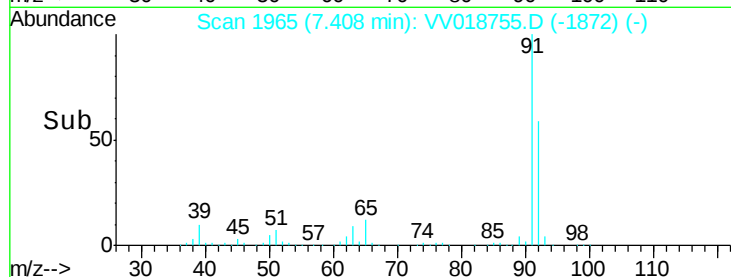
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.691 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018755.D

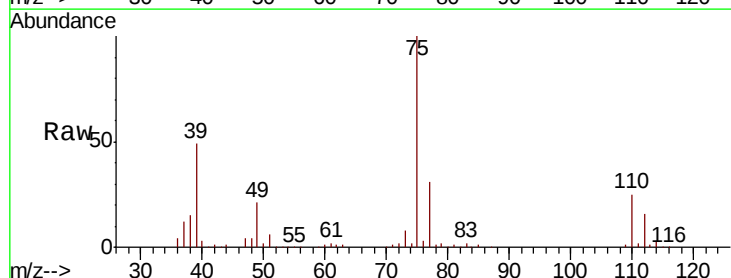
Acq: 08 Oct 2020 02:29

Tgt Ion: 75 Resp: 148841

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018720.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV018720.D (-2028) (-)

7.67

100000

80000

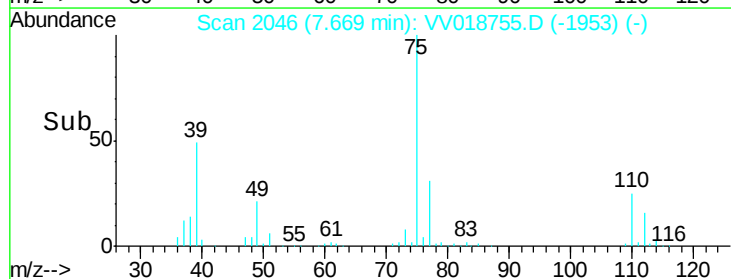
60000

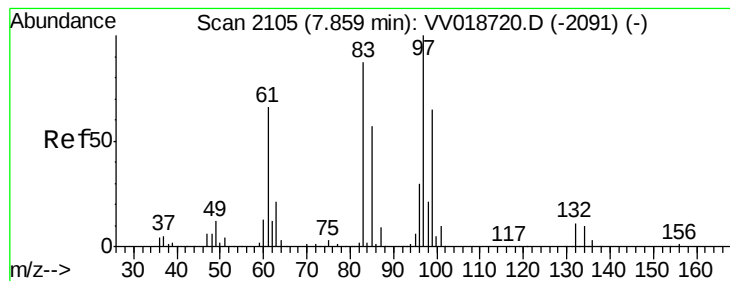
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 44.706 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 95634

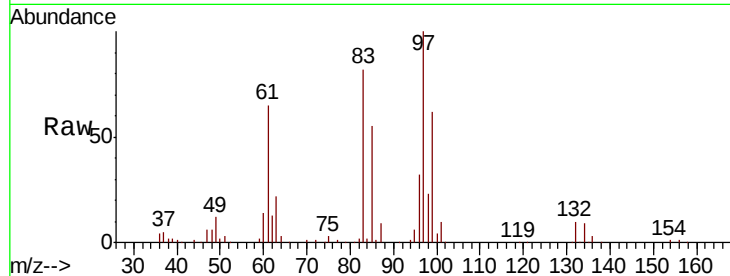
Ion Ratio Lower Upper

97 100

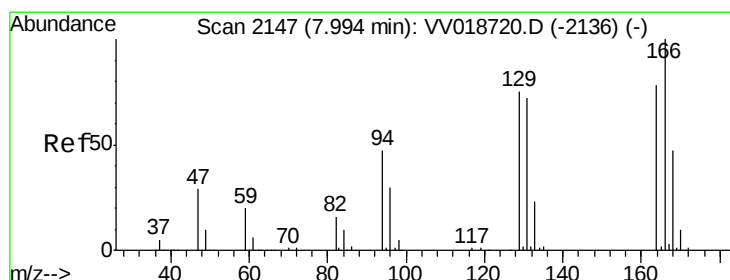
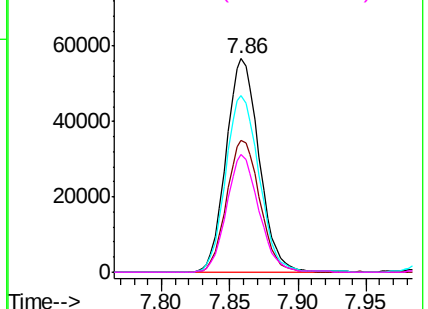
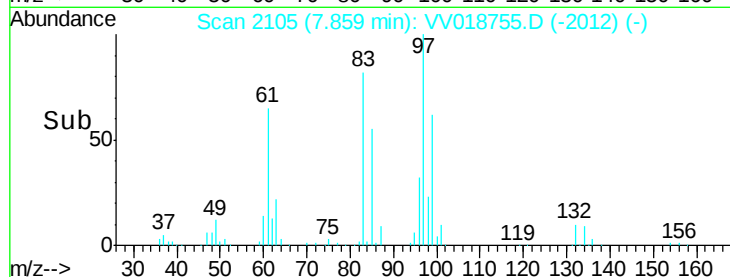
99 61.7 43.3 80.3

83 82.4 60.5 112.5

85 55.4 38.3 71.1



Abundance Ion 97.00 (96.70 to 97.70): VV018755.D (-2012) (-)



#46

Tetrachloroethene

Concen: 91.971 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Tgt Ion: 164 Resp: 182447

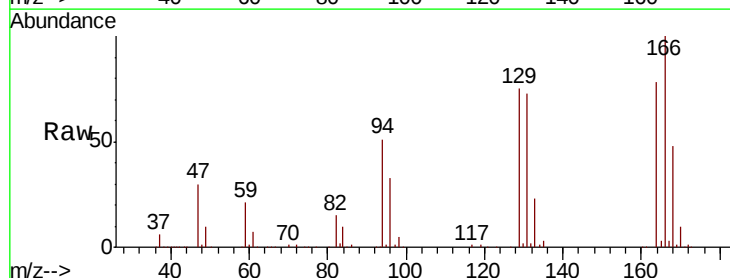
Ion Ratio Lower Upper

164 100

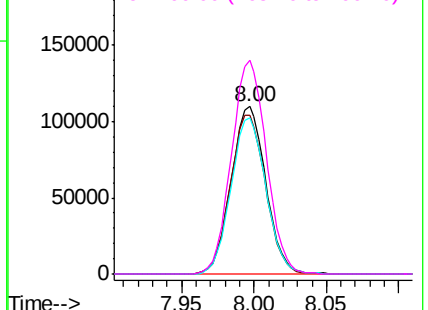
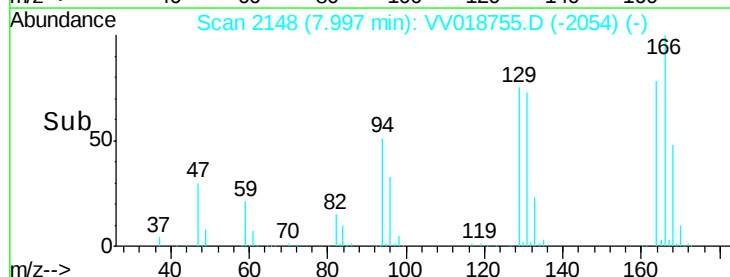
129 95.1 62.8 116.6

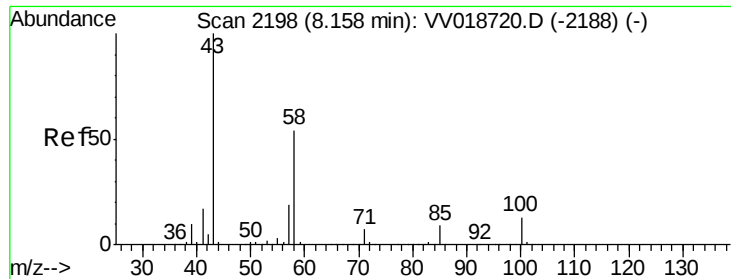
131 93.3 60.8 112.8

166 127.5 88.9 165.1



Abundance Ion 164.00 (163.70 to 164.70): VV018755.D (-2054) (-)

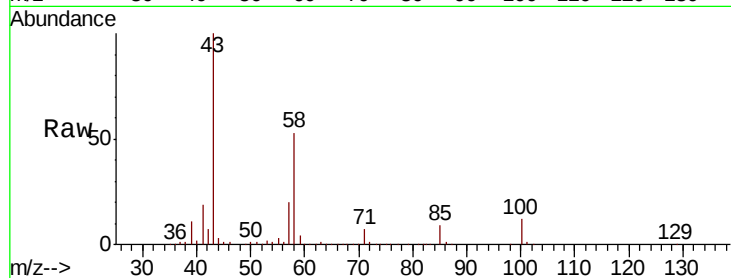




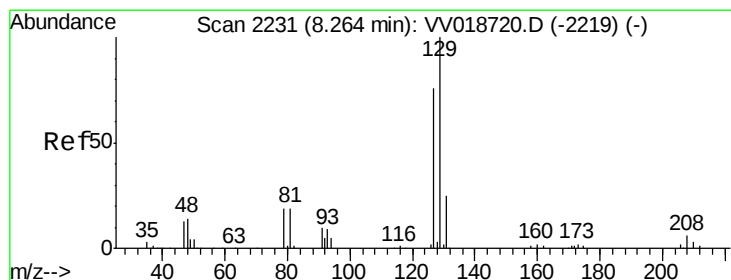
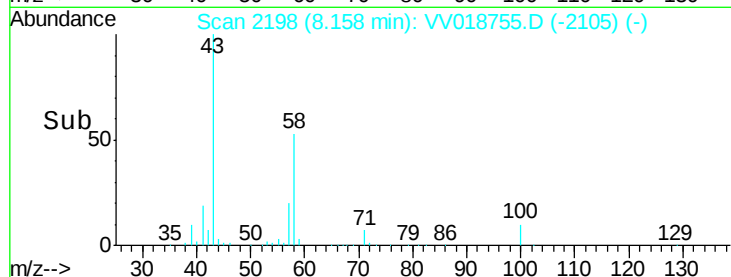
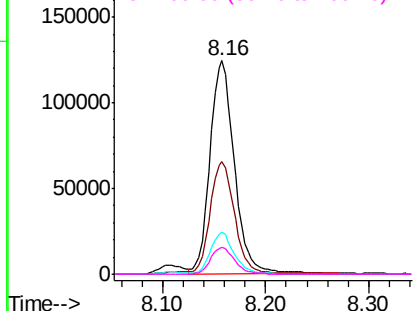
#48
2-Hexanone
Concen: 93.579 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 203588
Ion Ratio Lower Upper
43 100
58 52.7 45.1 67.7
57 18.7 15.7 23.5
100 12.6 11.0 16.4

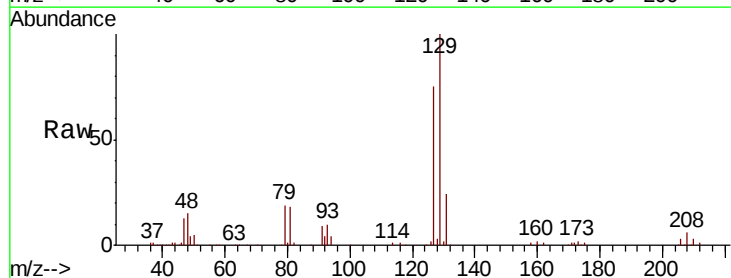


Abundance Ion 43.00 (42.70 to 43.70): VV018755.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018755.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018755.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018755.D (-2105) (-)

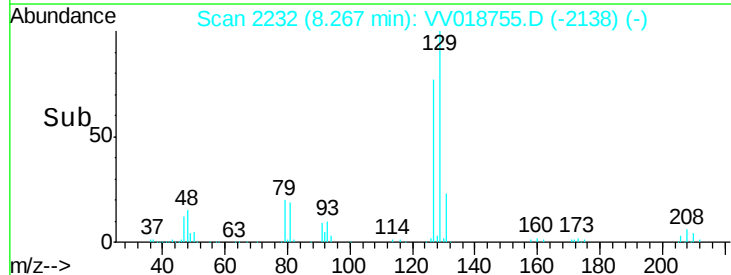
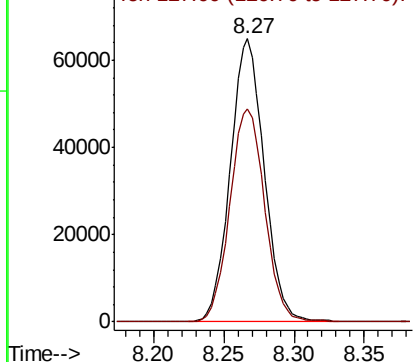


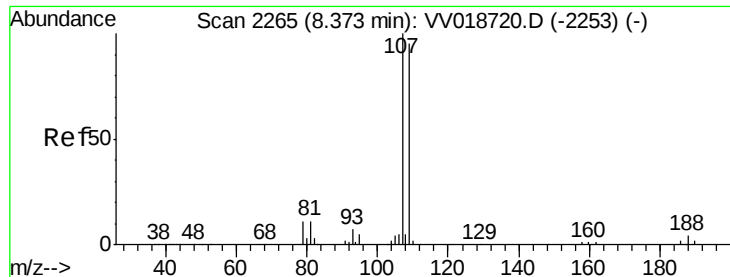
#49
Dibromochloromethane
Concen: 44.631 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

Tgt Ion: 129 Resp: 109199
Ion Ratio Lower Upper
129 100
127 75.5 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018755.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV018755.D (-2138) (-)

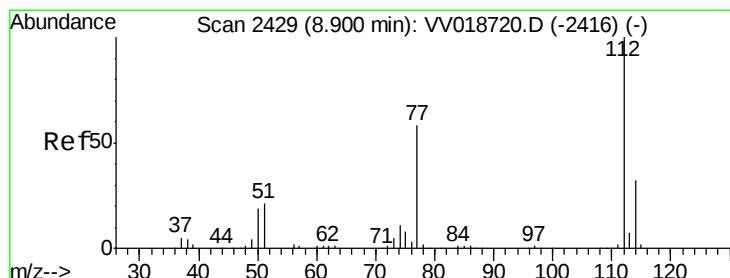
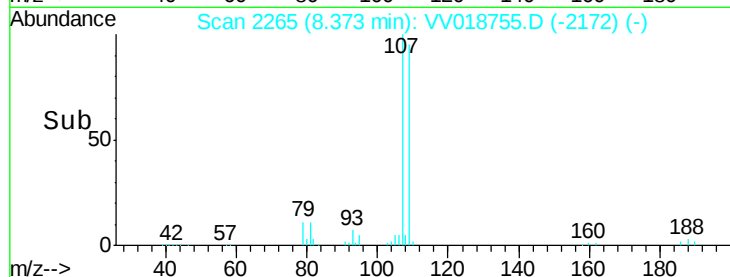
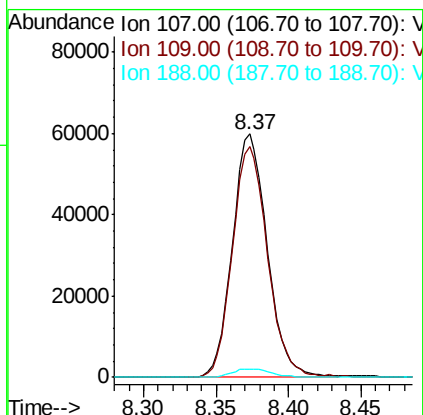
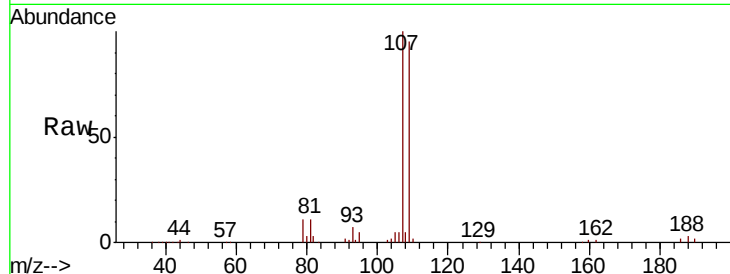




#50
1,2-Dibromoethane
Concen: 44.014 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

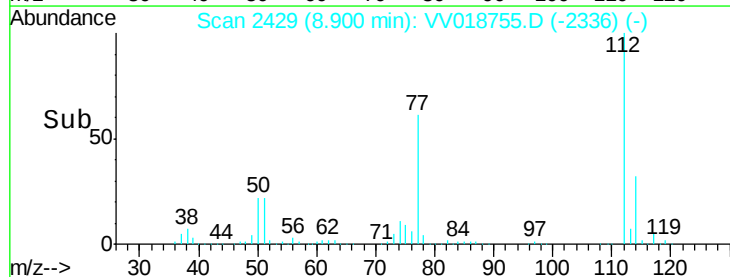
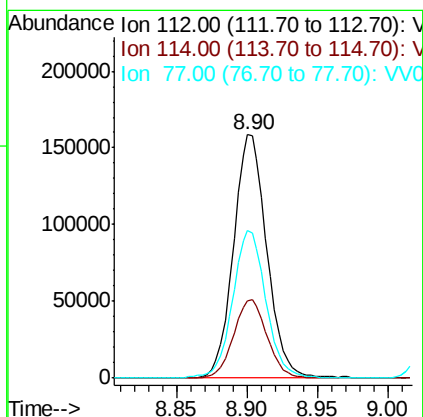
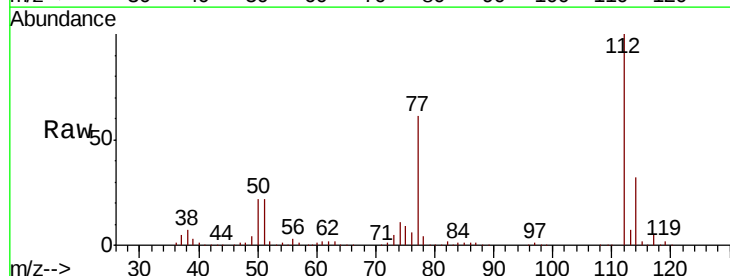
Instrument :
MSVOA_V
ClientSampleId :

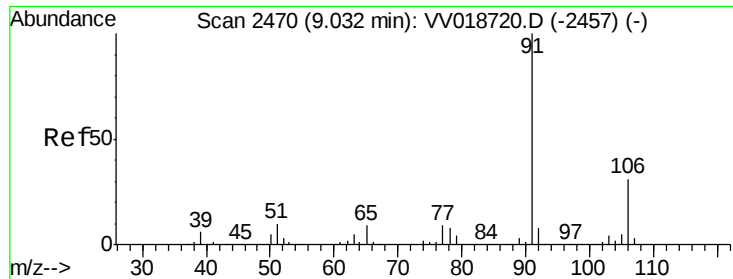
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	65.1	120.9
188	3.5	3.7	5.5#



#51
Chlorobenzene
Concen: 42.511 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018755.D
Acq: 08 Oct 2020 02:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	60.6	44.8	67.2





#52

Ethylbenzene

Concen: 44.248 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

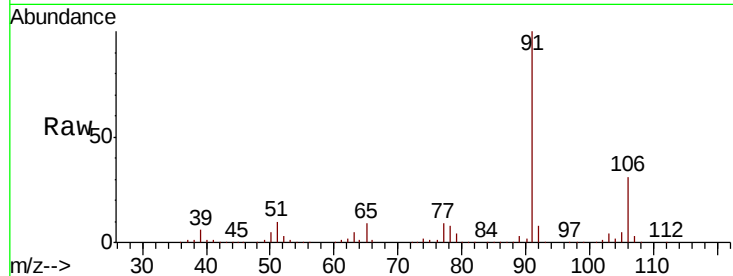
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 450241

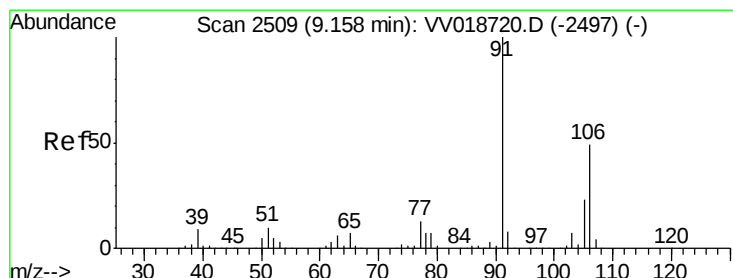
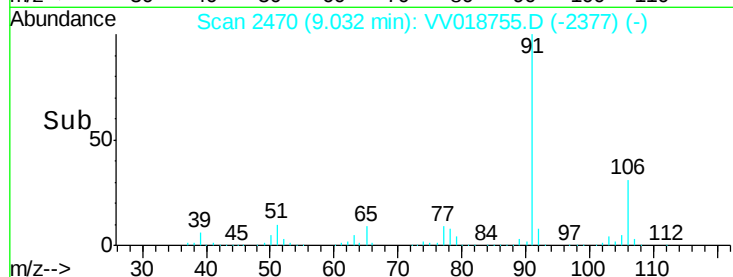
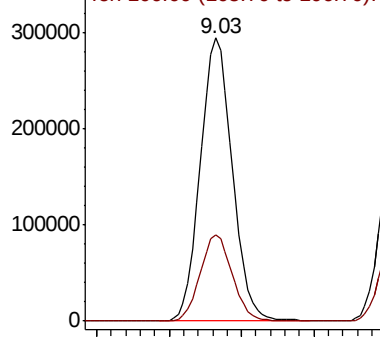
Ion Ratio Lower Upper

91 100

106 30.6 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018720.D (-2457) (-)



#53

m,p-Xylene

Concen: 43.266 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018755.D

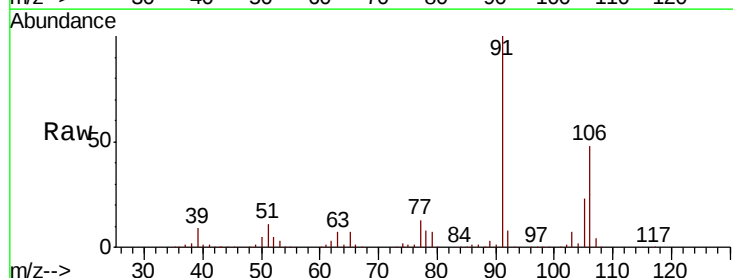
Acq: 08 Oct 2020 02:29

Tgt Ion: 106 Resp: 170140

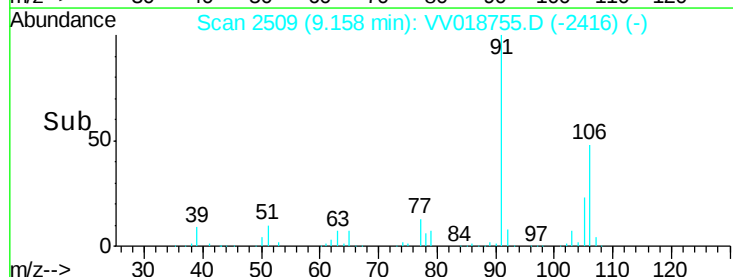
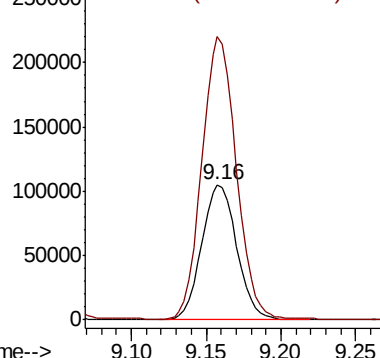
Ion Ratio Lower Upper

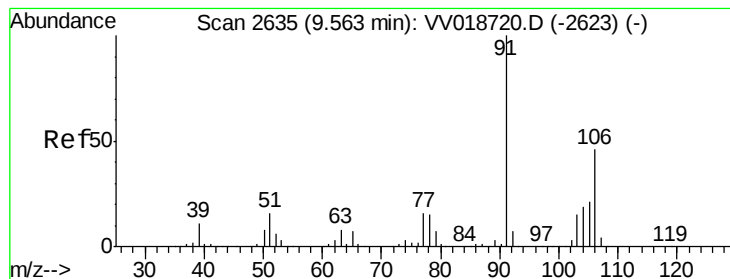
106 100

91 209.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018755.D (-2377) (-)





#54

o-xylene

Concen: 44.473 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

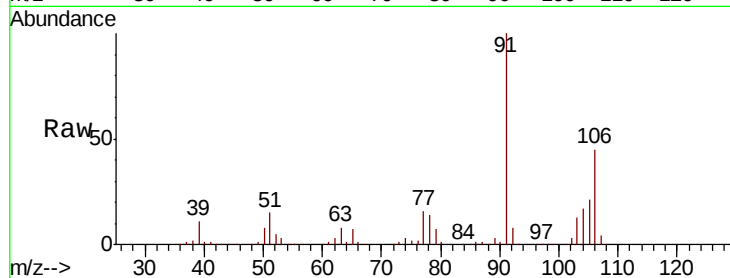
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 165576

Ion Ratio Lower Upper

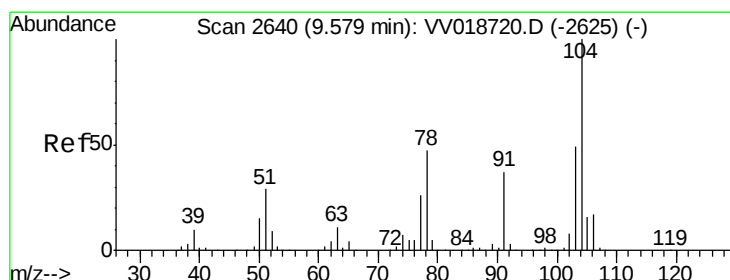
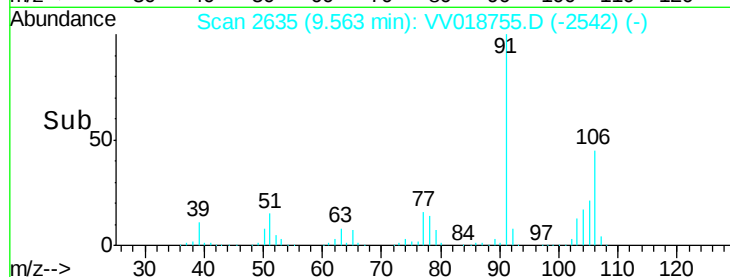
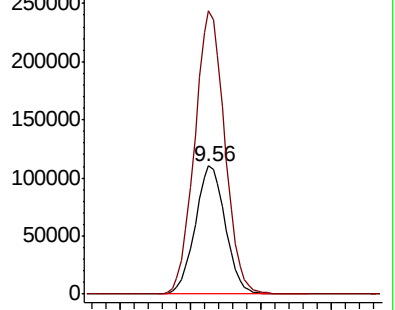
106 100

91 220.7 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): VV018720.D (-2623) (-)

Ion 91.00 (90.70 to 91.70): VV018720.D (-2623) (-)



#55

Styrene

Concen: 45.923 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018755.D

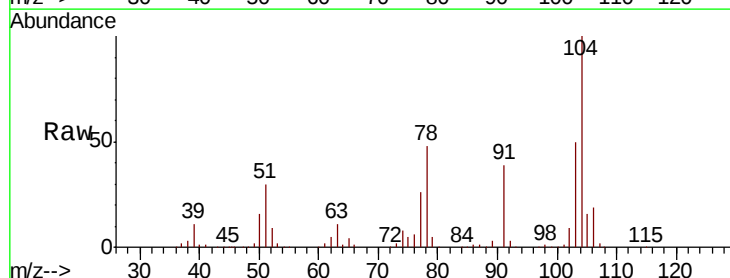
Acq: 08 Oct 2020 02:29

Tgt Ion:104 Resp: 297699

Ion Ratio Lower Upper

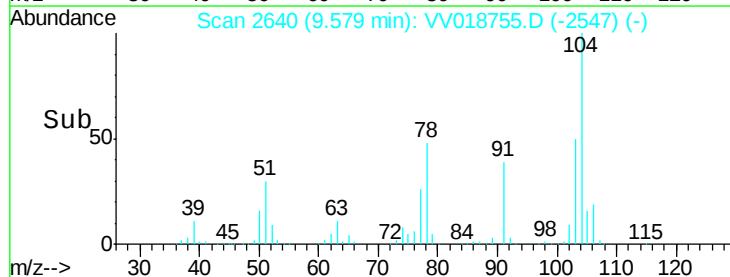
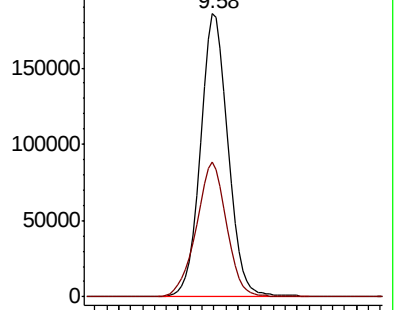
104 100

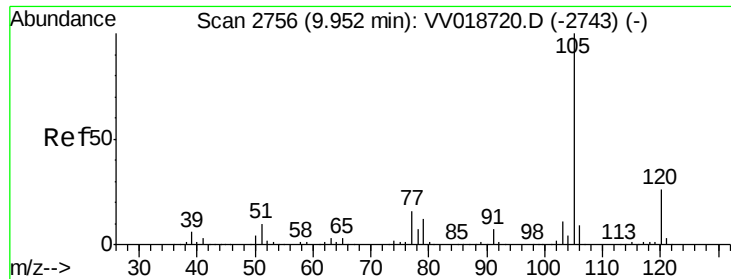
78 47.5 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): VV018720.D (-2625) (-)

Ion 78.00 (77.70 to 78.70): VV018720.D (-2625) (-)





#56

Isopropylbenzene

Concen: 43.963 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :
MSVOA_V
ClientSampleId :

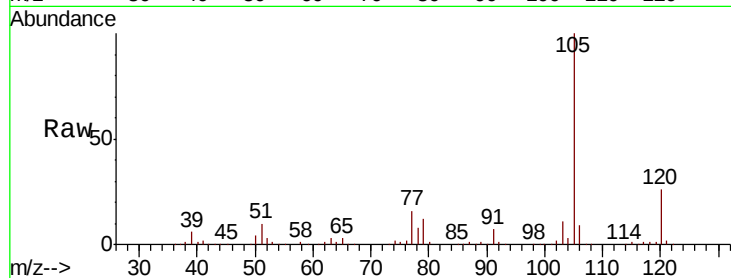
Tot Ion:105 Resp: 438965

Ion Ratio Lower Upper

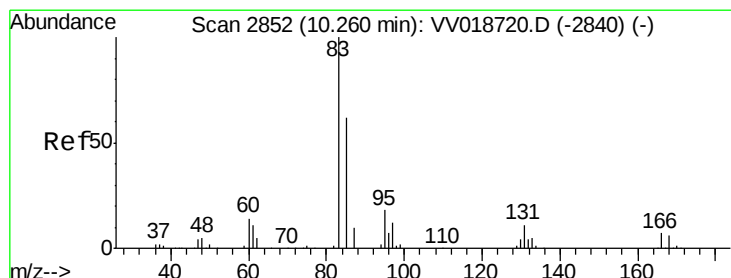
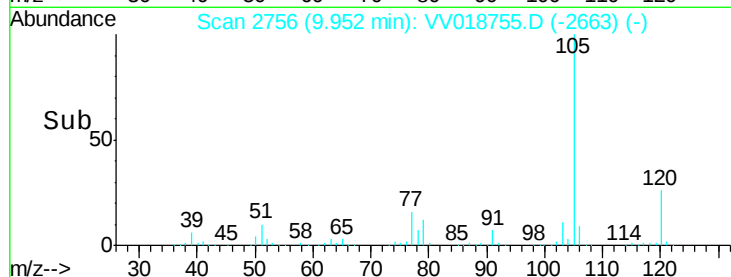
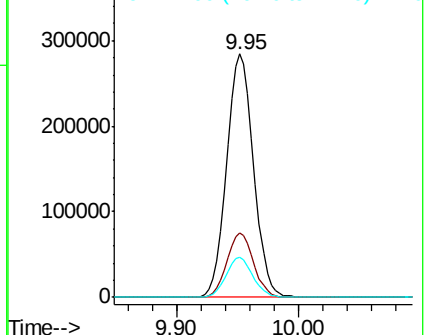
105 100

120 26.1 21.5 32.3

77 16.4 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 42.752 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

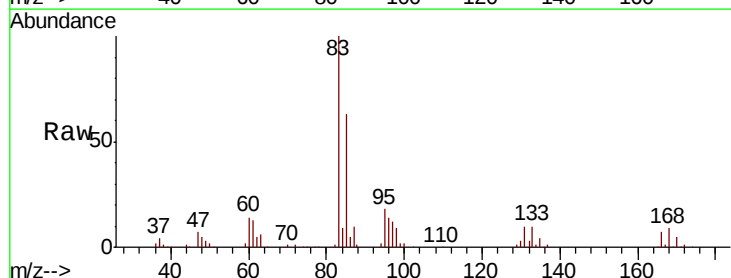
Tgt Ion: 83 Resp: 128909

Ion Ratio Lower Upper

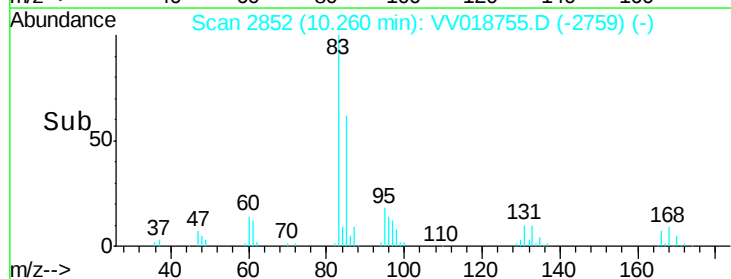
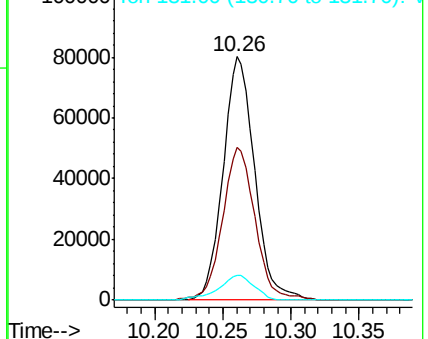
83 100

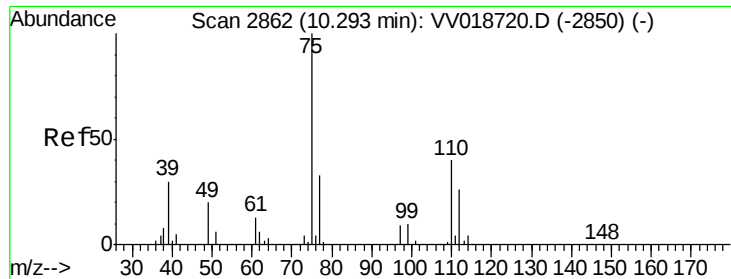
85 62.5 44.5 82.7

131 10.4 8.6 12.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V

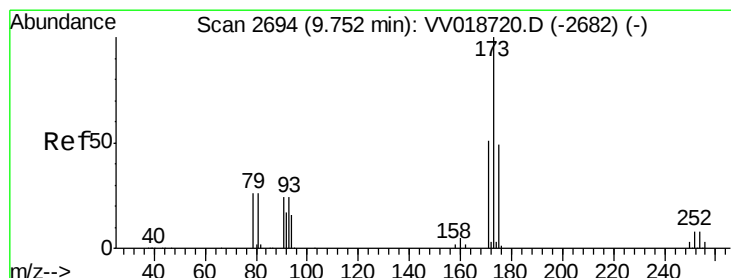
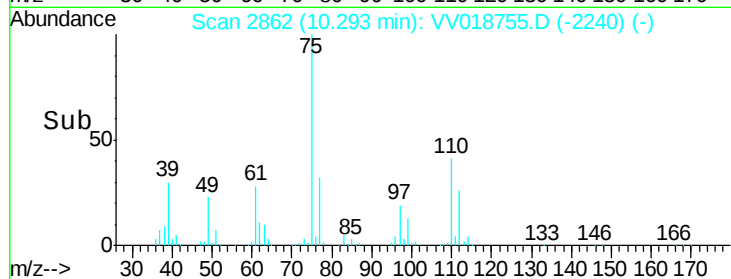
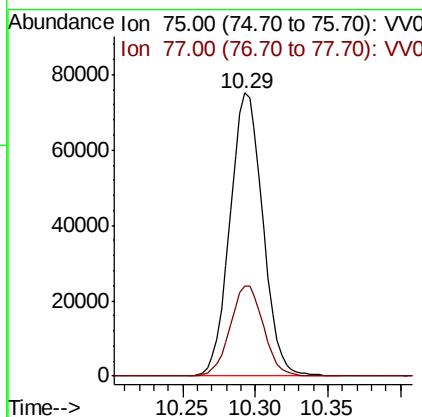
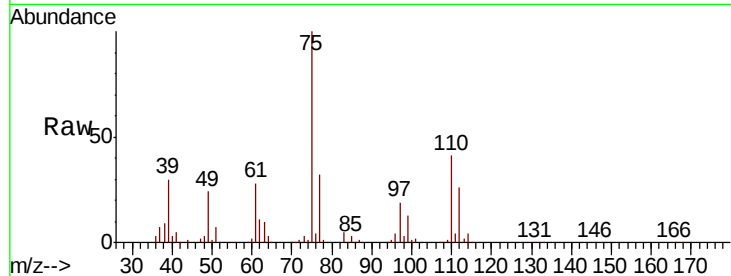




#59
 1,2,3-Trichloropropane
 Concen: 44.934 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

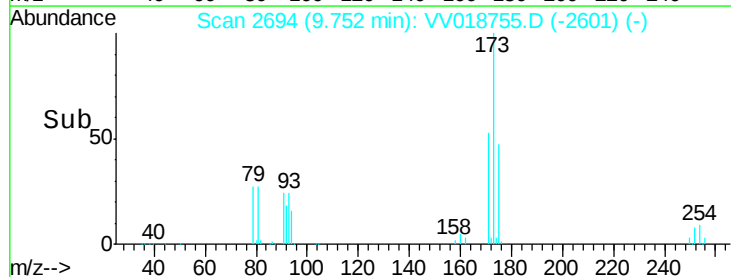
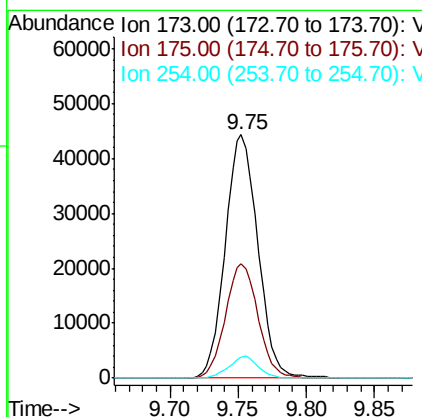
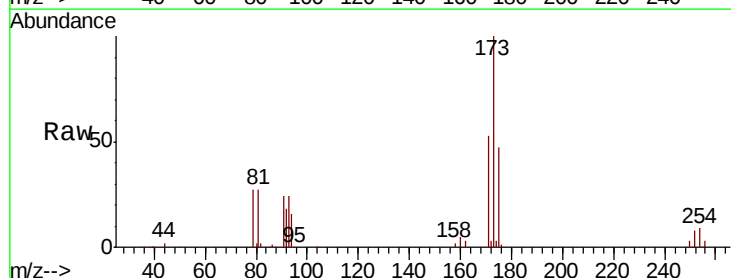
Instrument :
 MSVOA_V
 ClientSampleId :

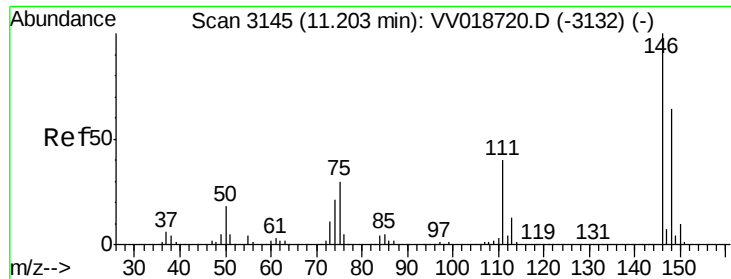
Tot Ion: 75 Resp: 118105
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#61
 Bromoform
 Concen: 42.450 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

Tgt Ion: 173 Resp: 73523
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.8 59.8
 254 7.9 8.5 12.7#

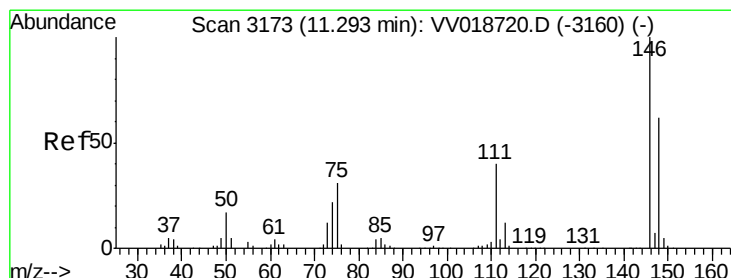
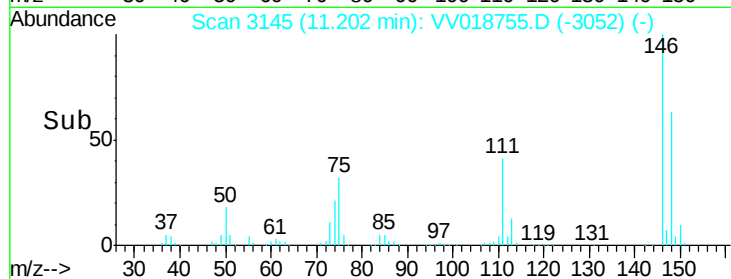
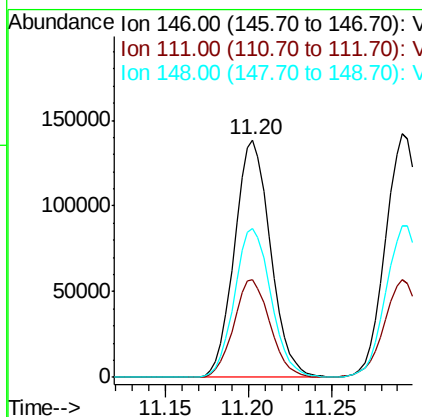
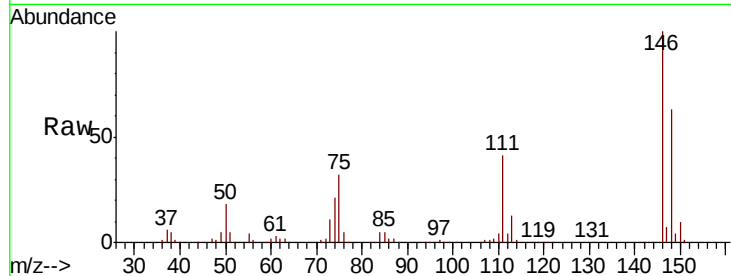




#62
 1,3-Dichlorobenzene
 Concen: 42.981 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

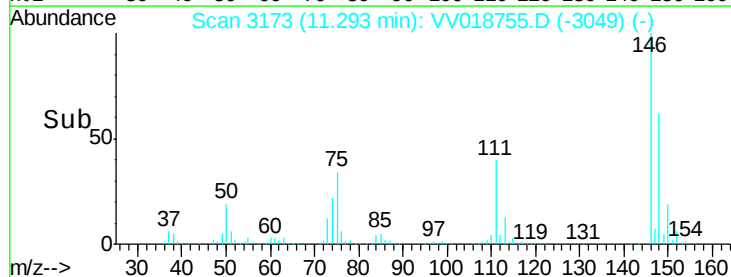
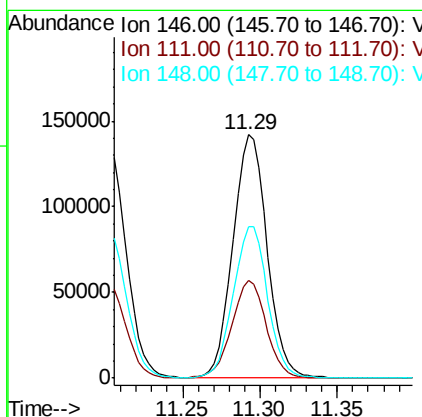
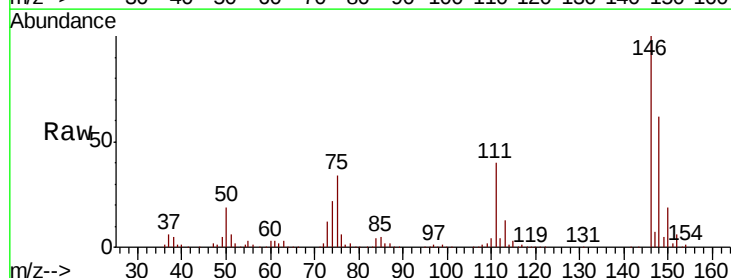
Instrument :
 MSVOA_V
 ClientSampleId :

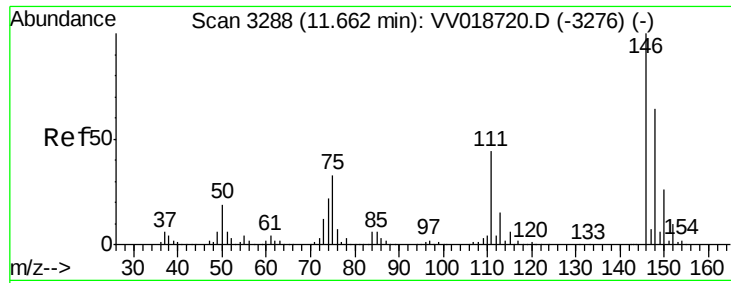
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	26.8	49.8
148	62.7	44.0	81.8



#63
 1,4-Dichlorobenzene
 Concen: 43.086 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	26.2	48.6
148	62.2	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 43.858 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :

MSVOA_V

ClientSampleId :

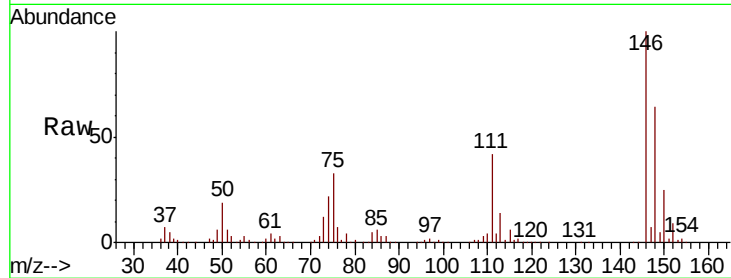
Tot Ion:146 Resp: 211725

Ion Ratio Lower Upper

146 100

111 42.2 32.8 49.2

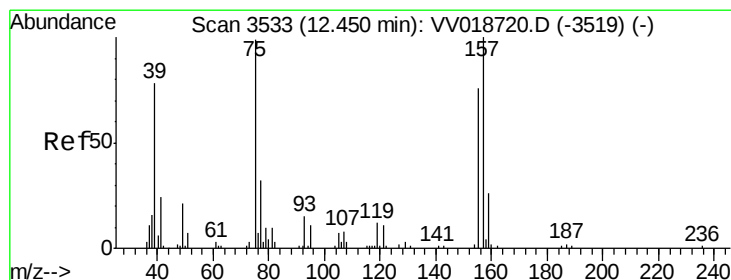
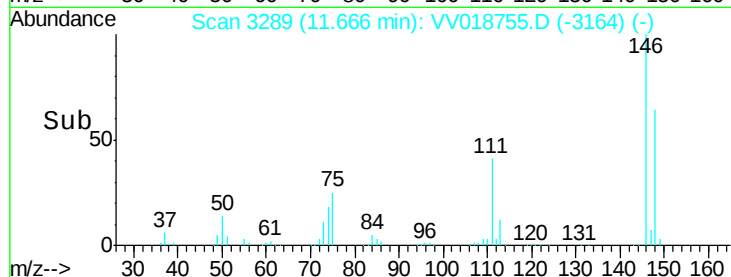
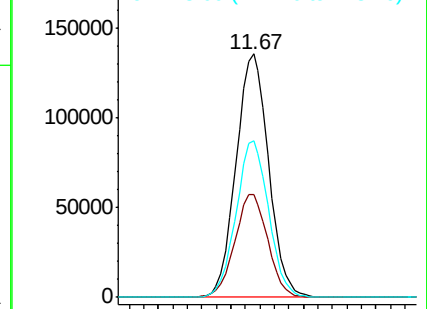
148 64.5 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 45.021 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

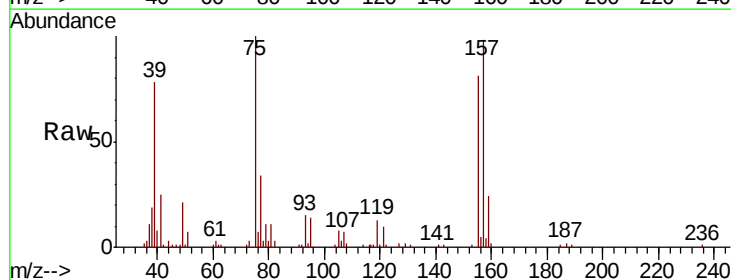
Tgt Ion: 75 Resp: 29670

Ion Ratio Lower Upper

75 100

155 81.1 73.0 109.6

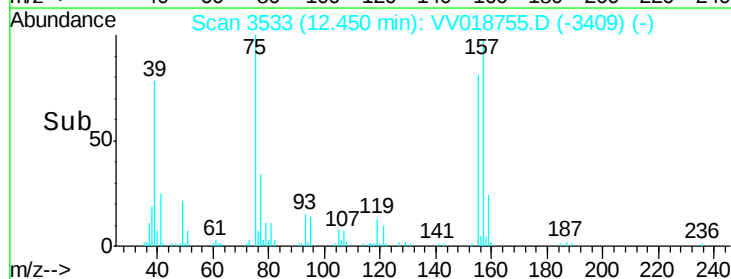
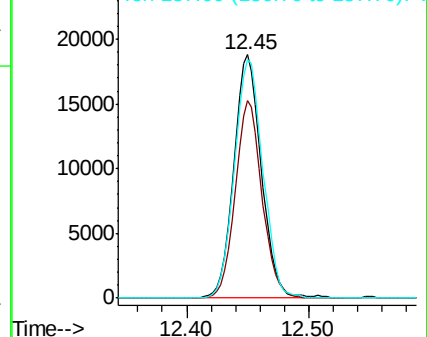
157 98.0 95.8 143.6

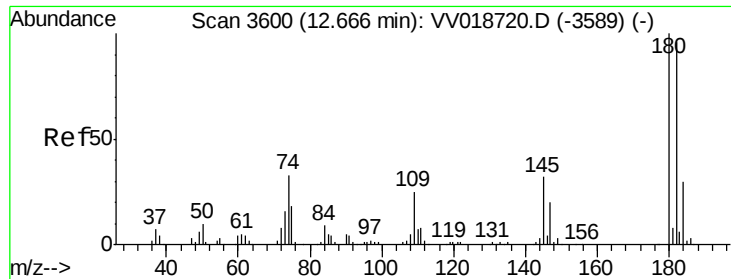


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

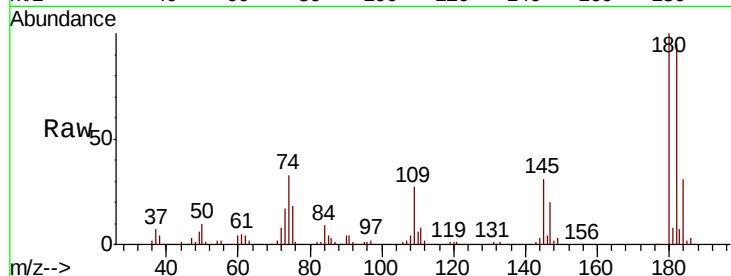




#67
 1,3,5-Trichlorobenzene
 Concen: 37.873 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.1	115.7
184	30.4	24.3	36.5
145	31.1	22.9	34.3

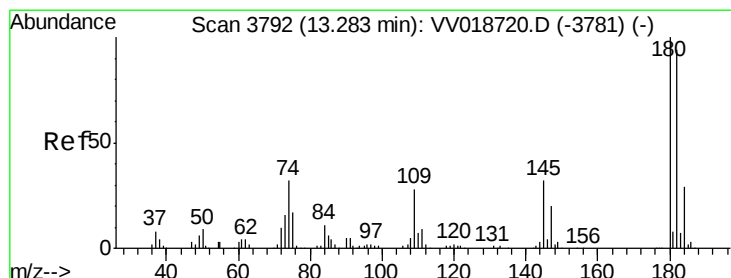
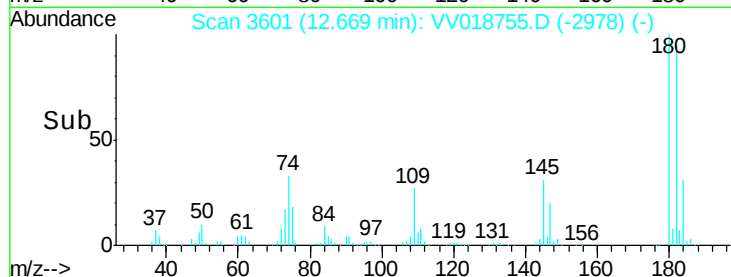
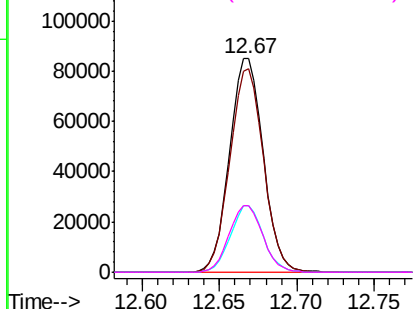


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

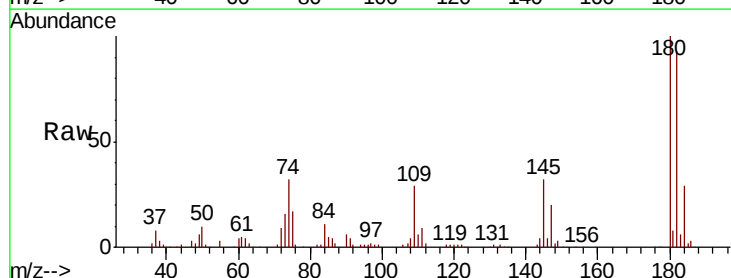
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 38.977 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018755.D
 Acq: 08 Oct 2020 02:29

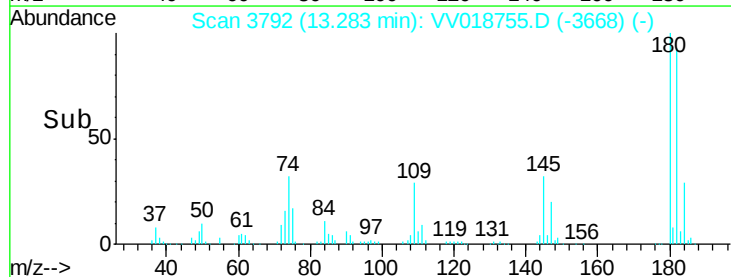
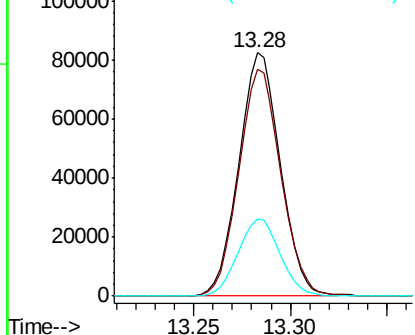
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.3	114.5
145	32.2	23.6	35.4

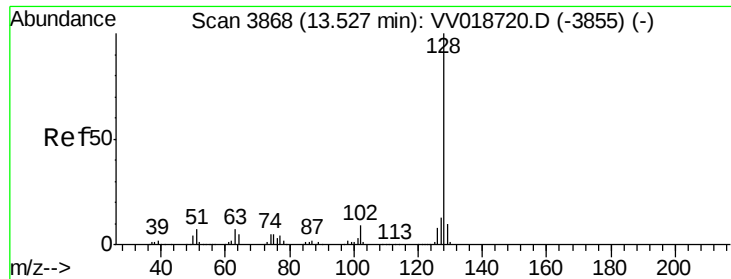


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 44.236 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

Instrument :

MSVOA_V

ClientSampleId :

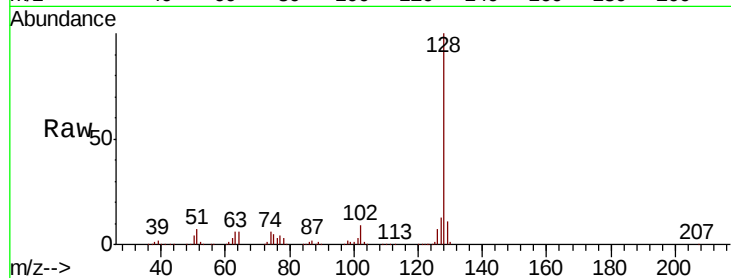
Tot Ion:128 Resp: 398298

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

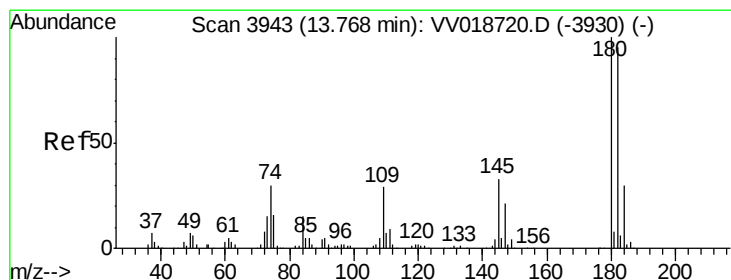
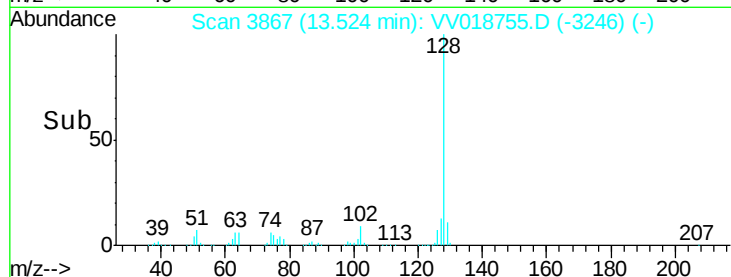
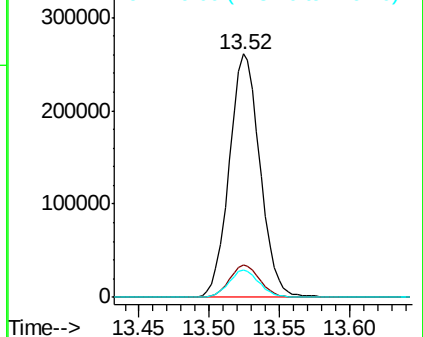
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 39.127 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018755.D

Acq: 08 Oct 2020 02:29

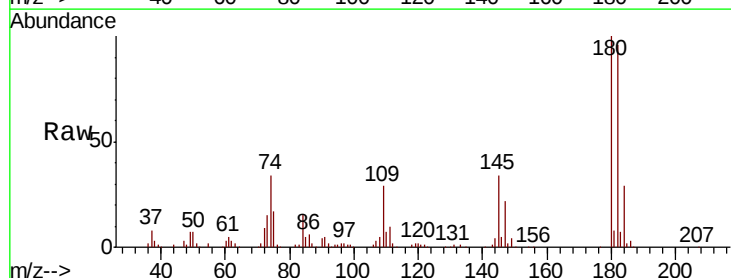
Tgt Ion:180 Resp: 123544

Ion Ratio Lower Upper

180 100

182 95.1 77.1 115.7

145 34.4 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

