

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018720.D
 Acq On : 07 Oct 2020 10:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 02:49:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287415	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287877	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	156393	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84198	49.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.90%
7) Chloroethane-d5	1.58	69	75143	53.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.82%
11) 1,1-Dichloroethene-d2	2.12	63	186377	54.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.54%
21) 2-Butanone-d5	3.91	46	112059	89.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.12%
24) Chloroform-d	4.38	84	181495	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
26) 1,2-Dichloroethane-d4	5.05	65	119429	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.22%
32) Benzene-d6	5.07	84	335250	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
36) 1,2-Dichloropropane-d6	6.09	67	107027	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	7.33	98	369302	53.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.66%
43) trans-1,3-Dichloropropene-	7.64	79	58440	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
47) 2-Hexanone-d5	8.11	63	66929	79.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.98%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	121262	41.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	126443	42.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	85175	43.584	ug/L 100
3) Chloromethane	1.25	50	102260	48.903	ug/L 99
5) Vinyl chloride	1.32	62	112850	51.330	ug/L 99
6) Bromomethane	1.53	94	72881	48.706	ug/L 99
8) Chloroethane	1.60	64	72163	53.264	ug/L 97
9) Trichlorofluoromethane	1.77	101	175157	52.419	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	100353	53.659	ug/L 96
12) 1,1-Dichloroethene	2.13	96	92651	51.639	ug/L 98
13) Acetone	2.20	43	136113	125.301	ug/L 97
14) Carbon disulfide	2.31	76	279742	48.131	ug/L 99
15) Methyl Acetate	2.45	43	97107	46.401	ug/L 97
16) Methylene chloride	2.52	84	103333	47.986	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	91986	44.805	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	283594	45.338	ug/L 97
19) 1,1-Dichloroethane	3.21	63	171173	47.618	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	97480	44.677	ug/L 92
22) 2-Butanone	4.00	43	141116	102.834	ug/L 100

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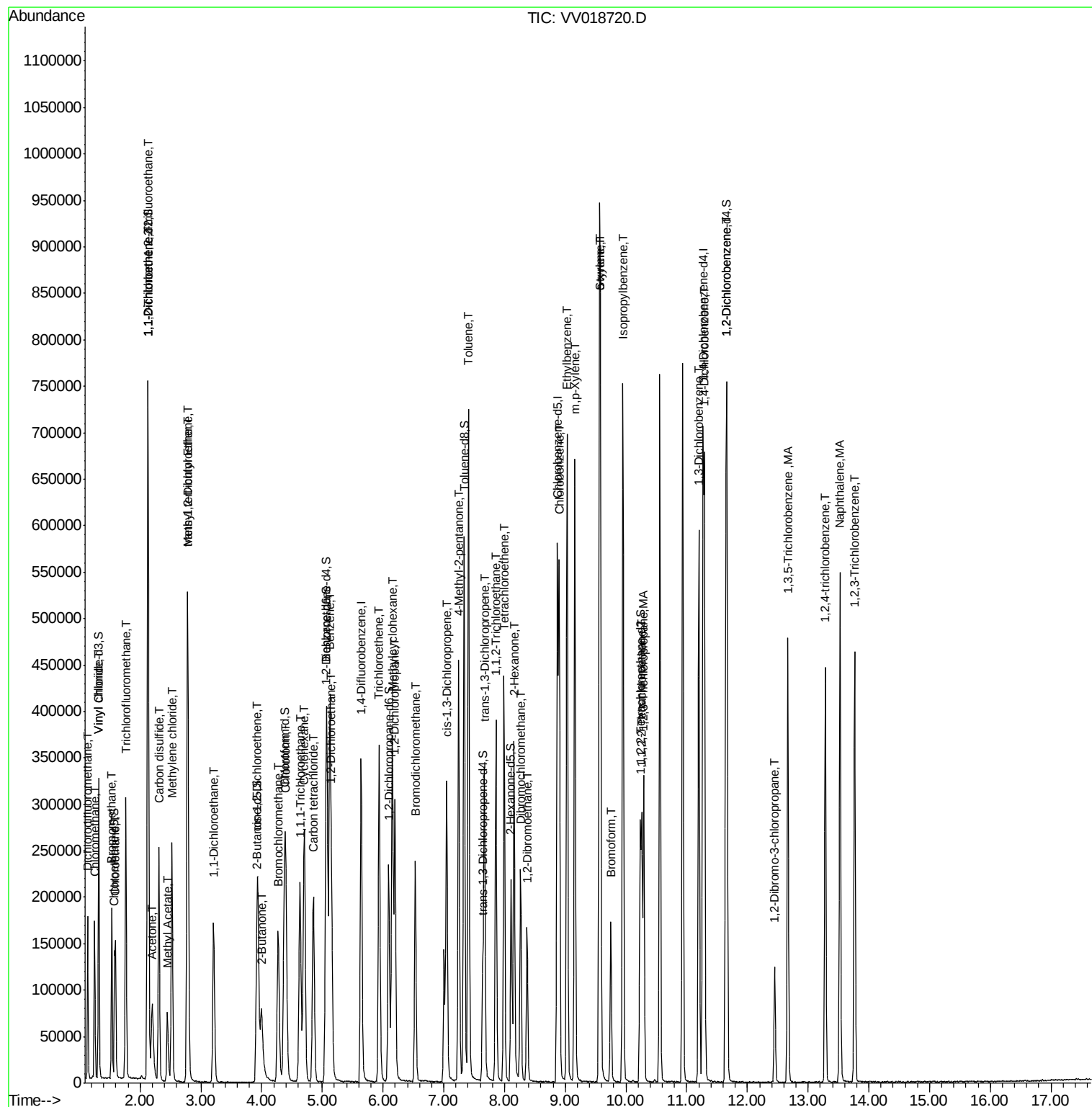
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56873	47.402	uq/L	97
25) Chloroform	4.40	83	192473	50.709	uq/L	99
27) 1,2-Dichloroethane	5.15	62	154416	52.195	uq/L	96
29) Cyclohexane	4.70	56	136185	41.478	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	166387	46.556	uq/L	97
31) Carbon tetrachloride	4.85	117	147534	45.997	uq/L	98
33) Benzene	5.12	78	391916	46.340	uq/L	100
34) Trichloroethene	5.94	95	119891	48.829	uq/L	97
35) Methylcyclohexane	6.15	83	149617	45.171	uq/L	97
37) 1,2-Dichloropropane	6.20	63	109758	50.583	uq/L	100
38) Bromodichloromethane	6.53	83	153336	52.767	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	179972	52.865	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	287603	102.719	uq/L	98
42) Toluene	7.41	91	504120	55.100	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	178502	53.376	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	111224	51.780	uq/L	98
46) Tetrachloroethene	7.99	164	91738	46.054	uq/L	96
48) 2-Hexanone	8.16	43	223160	102.152	uq/L	95
49) Dibromochloromethane	8.26	129	113026	46.004	uq/L	98
50) 1,2-Dibromoethane	8.37	107	103782	45.442	uq/L	98
51) Chlorobenzene	8.90	112	277523	44.838	uq/L	98
52) Ethylbenzene	9.03	91	463471	45.360	uq/L	99
53) m,p-Xylene	9.16	106	180079	45.605	uq/L	99
54) o-xylene	9.56	106	167824	44.891	uq/L	98
55) Styrene	9.58	104	308650	47.415	uq/L	94
56) Isopropylbenzene	9.95	105	442385	44.123	uq/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	127446	42.093	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	122672	46.478	uq/L	98
61) Bromoform	9.75	173	75660	42.117	uq/L #	97
62) 1,3-Dichlorobenzene	11.20	146	226907	44.831	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	233336	44.770	uq/L	97
65) 1,2-Dichlorobenzene	11.66	146	222529	44.442	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	29449	43.083	uq/L	83
67) 1,3,5-Trichlorobenzene	12.67	180	133986	38.216	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	122913	37.675	uq/L	99
69) Naphthalene	13.53	128	401910	43.036	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	131415	40.126	uq/L	97

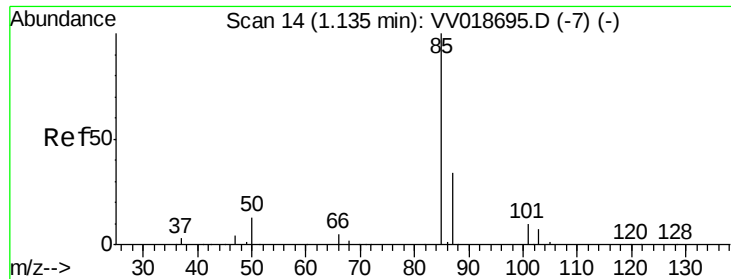
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.584 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

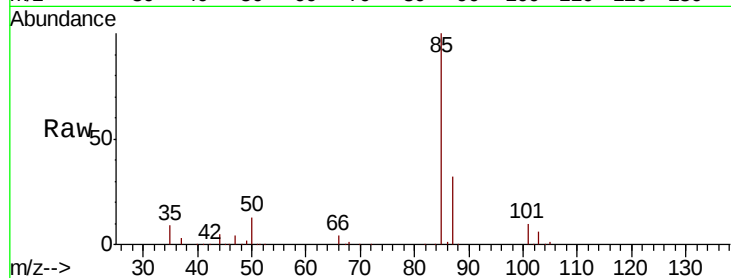
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 85175

Ion Ratio Lower Upper

85 100

87 31.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018720.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018720.D (-1) (-)

1.14

100000

80000

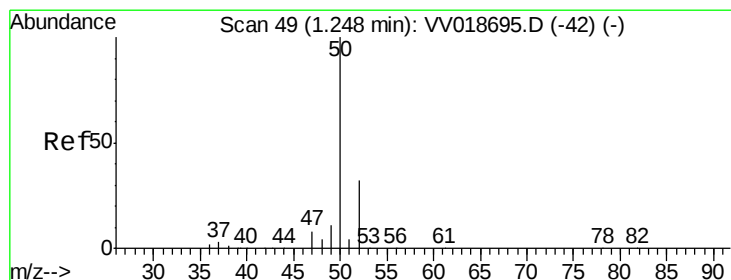
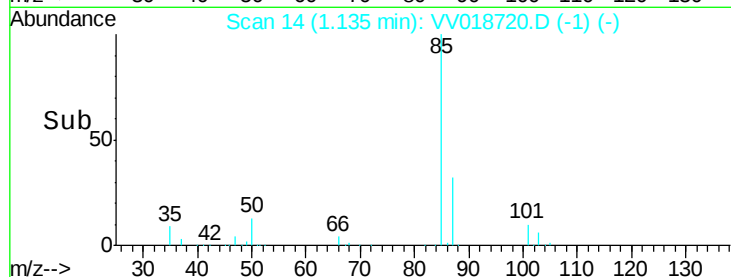
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 48.903 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018720.D

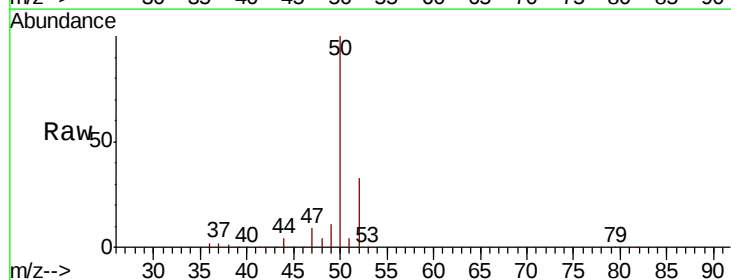
Acq: 07 Oct 2020 10:33

Tgt Ion: 50 Resp: 102260

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018720.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018720.D (-1) (-)

1.25

100000

80000

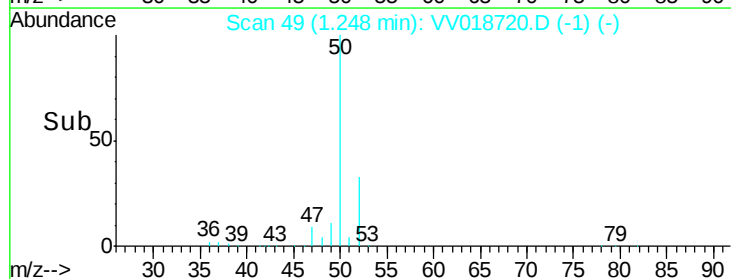
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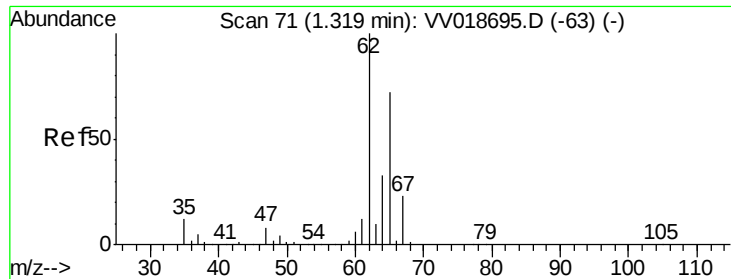
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 51.330 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

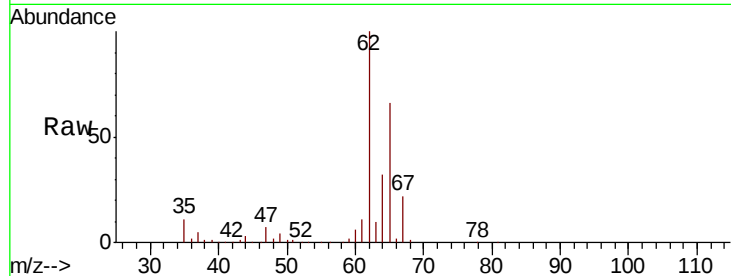
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 112850

Ion Ratio Lower Upper

62 100

64 32.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018720.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV018720.D (-1) (-)

1.32

120000

100000

80000

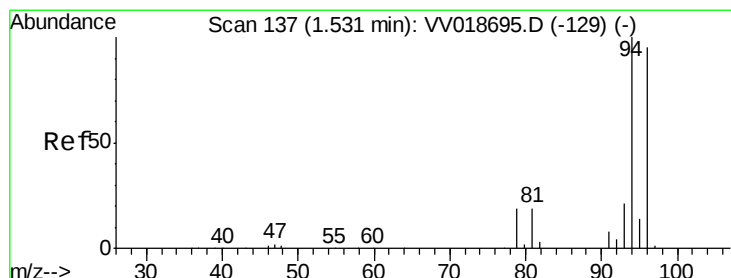
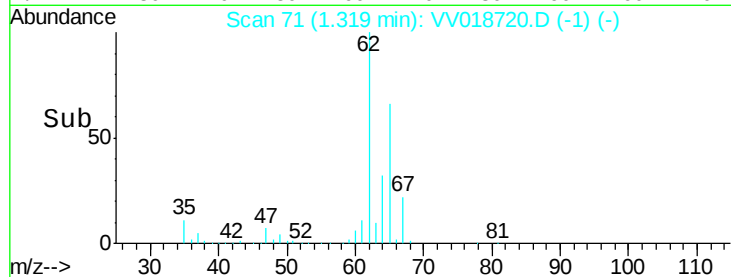
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 48.706 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018720.D

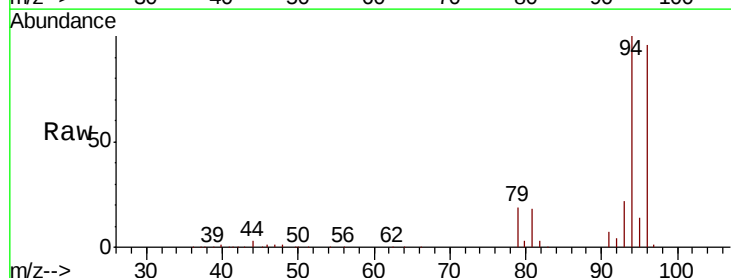
Acq: 07 Oct 2020 10:33

Tgt Ion: 94 Resp: 72881

Ion Ratio Lower Upper

94 100

96 95.6 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV018720.D (-44) (-)

Ion 96.00 (95.70 to 96.70): VV018720.D (-44) (-)

1.53

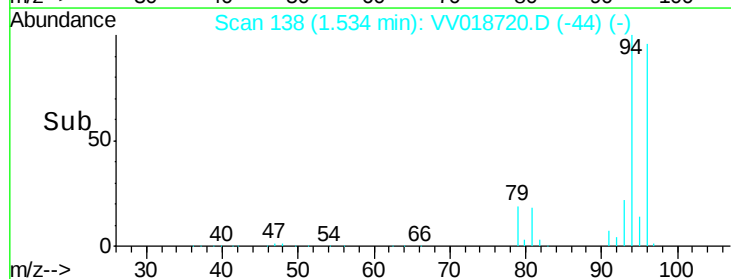
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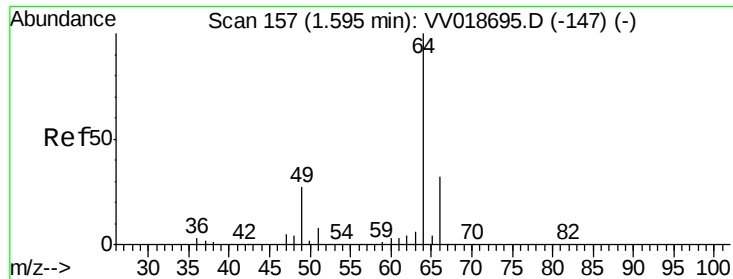
40000

20000

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Time-->

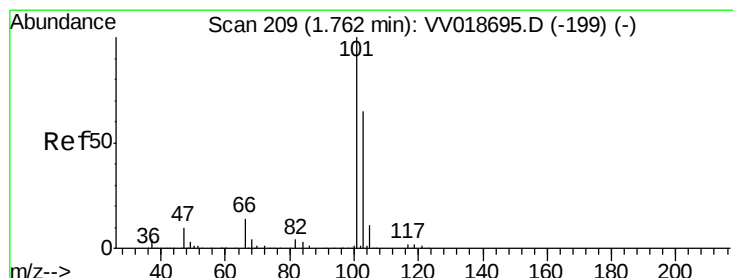
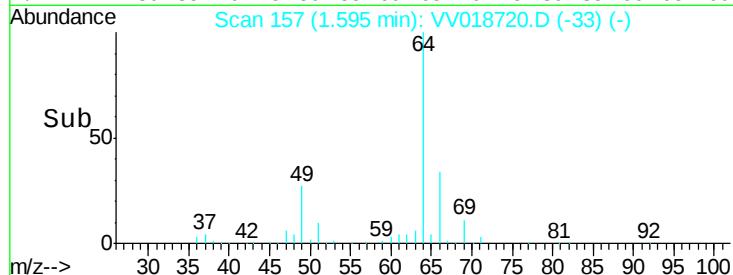
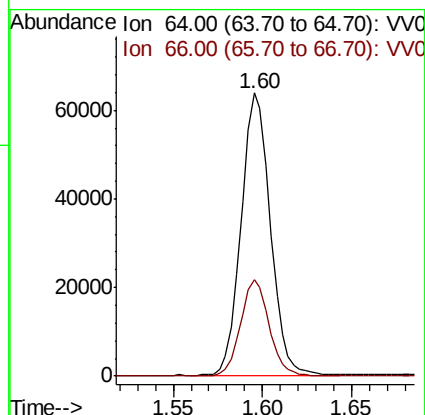
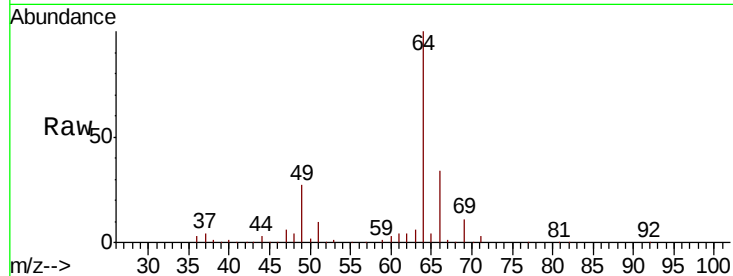




#8
Chloroethane
Concen: 53.264 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

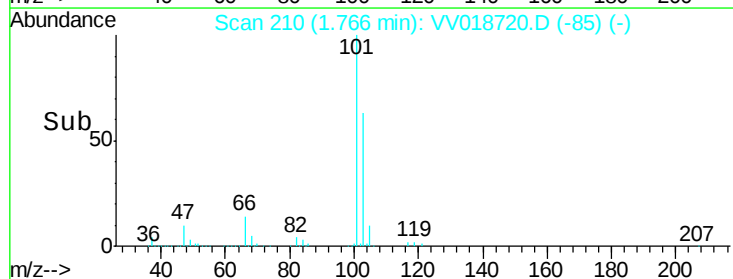
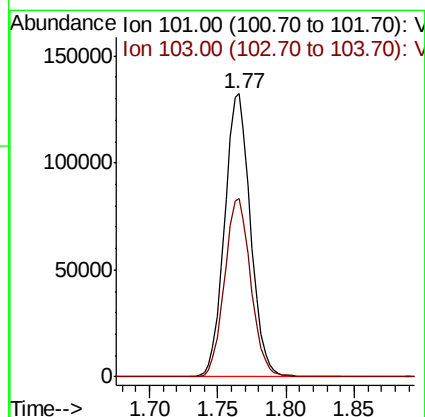
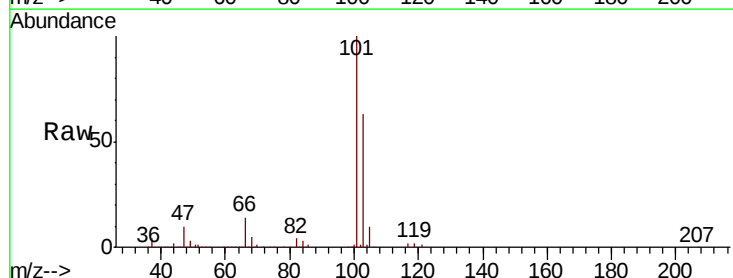
Instrument :
MSVOA_V
ClientSampleId :

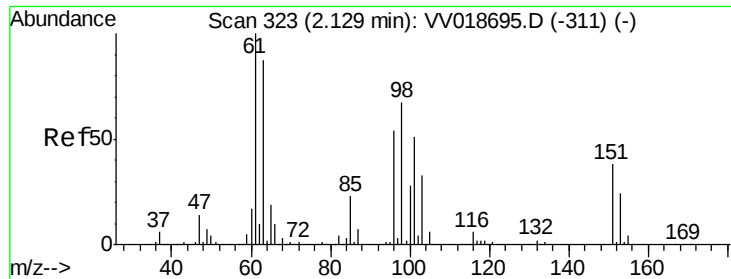
Tot Ion: 64 Resp: 72163
Ion Ratio Lower Upper
64 100
66 34.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 52.419 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

Tgt Ion:101 Resp: 175157
Ion Ratio Lower Upper
101 100
103 63.7 51.9 77.9





#10

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

Concen: 53.659 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :

MSVOA_V

ClientSampleId :

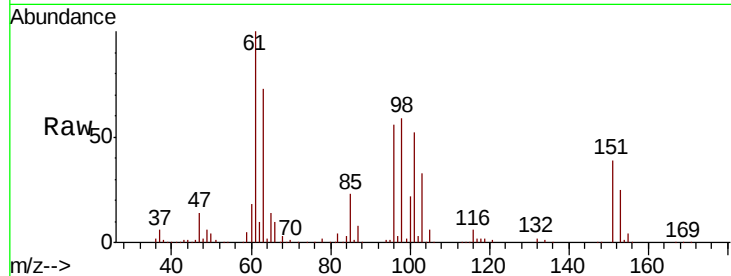
Tot Ion:101 Resp: 100353

Ion Ratio Lower Upper

101 100

85 43.9 34.6 52.0

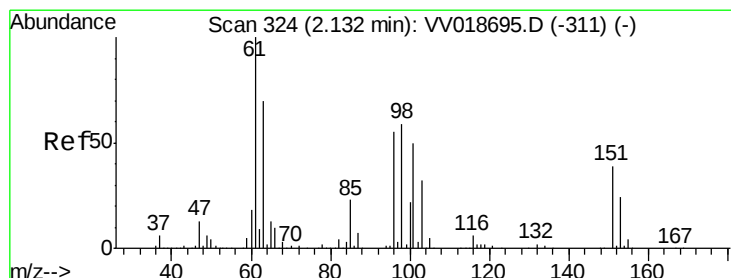
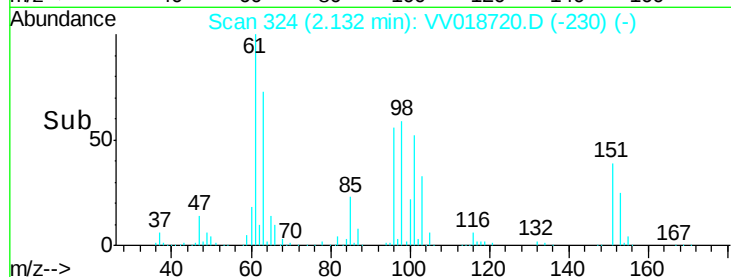
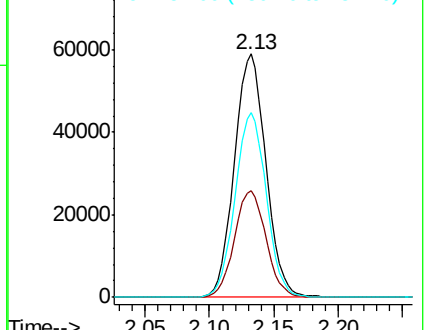
151 75.0 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018695.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018695.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018695.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 51.639 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

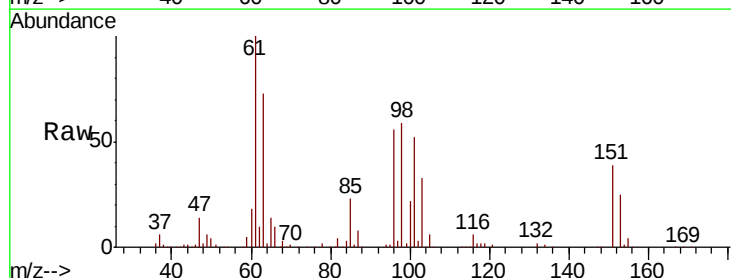
Tgt Ion: 96 Resp: 92651

Ion Ratio Lower Upper

96 100

61 178.4 122.8 228.1

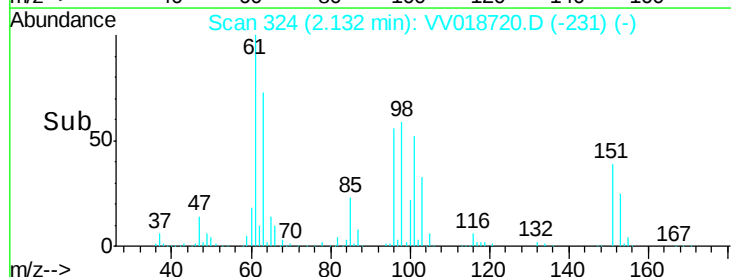
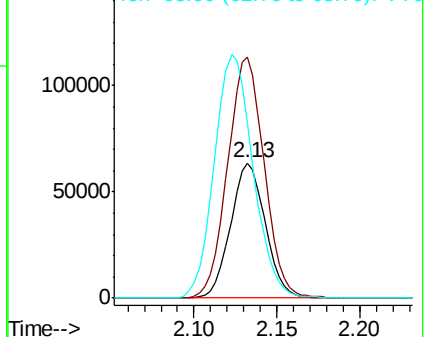
63 129.6 91.9 170.7

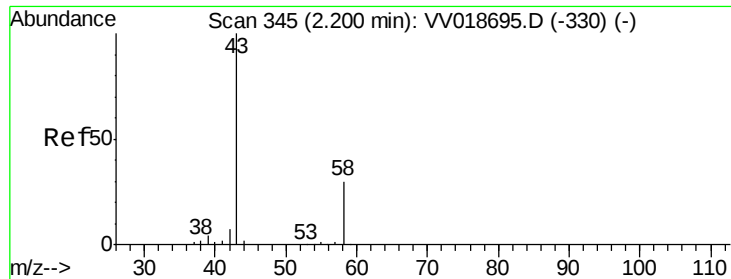


Abundance Ion 96.00 (95.70 to 96.70): VV018720.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018720.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018720.D (-231) (-)





#13

Acetone

Concen: 125.301 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

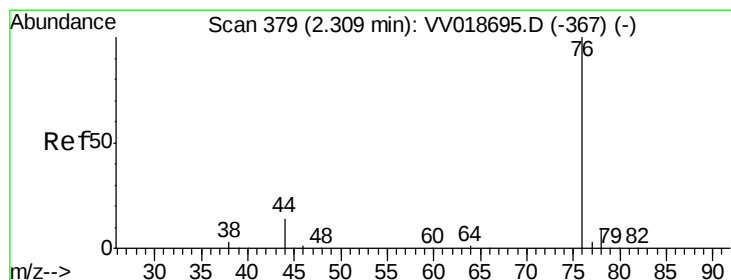
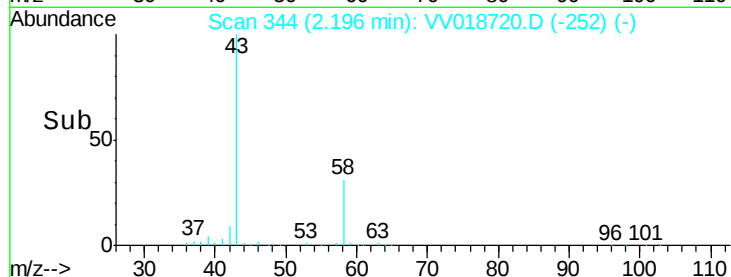
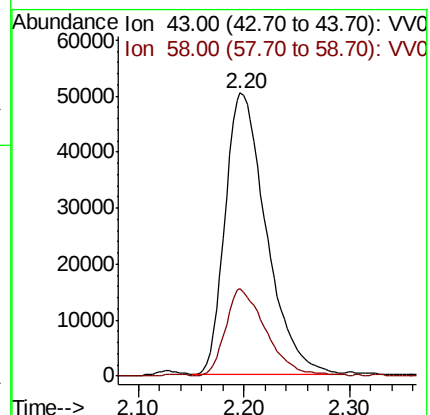
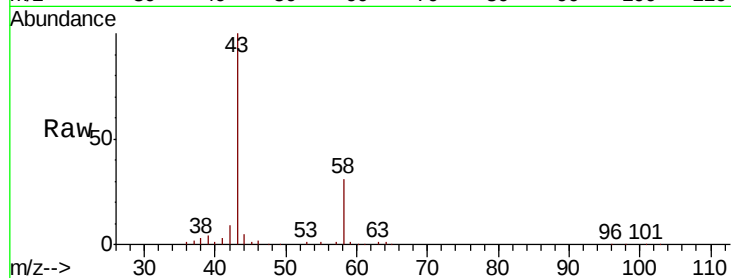
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 136113

Ion Ratio Lower Upper

43 100

58 30.2 0.0 64.0



#14

Carbon disulfide

Concen: 48.131 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018720.D

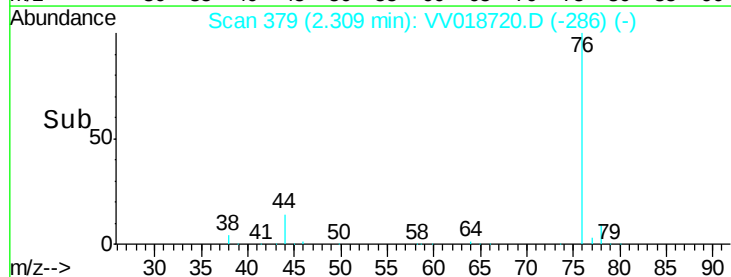
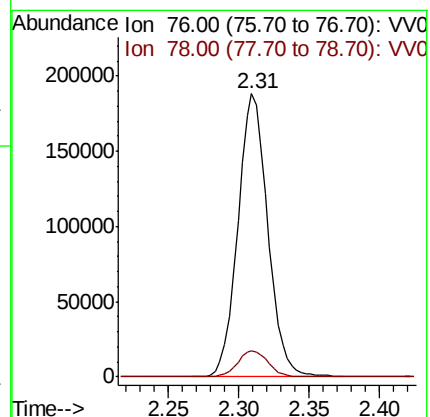
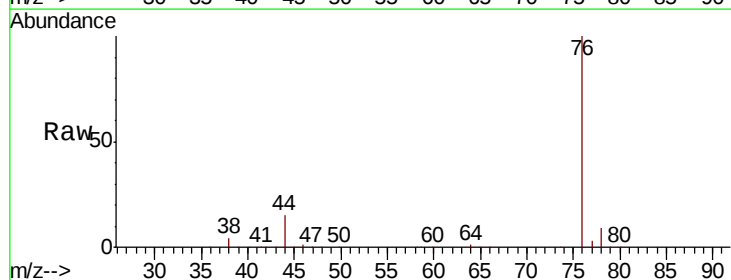
Acq: 07 Oct 2020 10:33

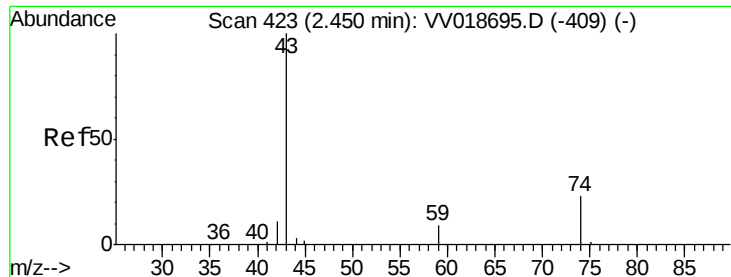
Tgt Ion: 76 Resp: 279742

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

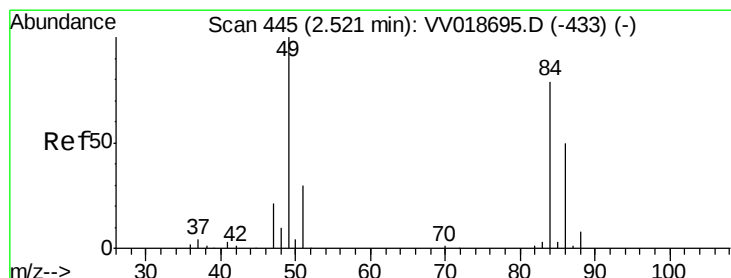
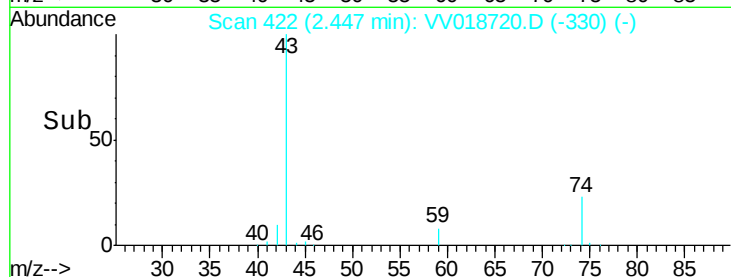
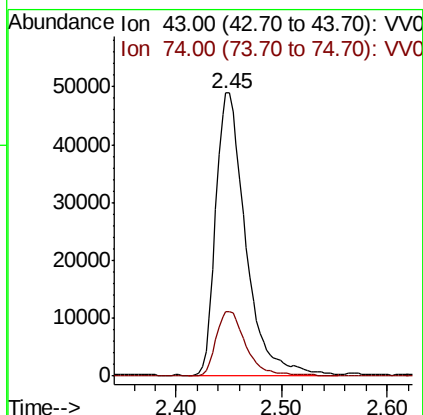
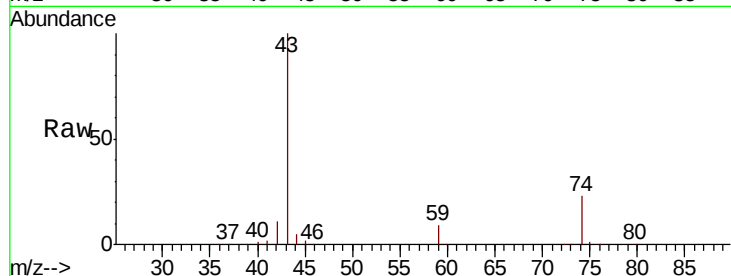




#15
Methvl Acetate
Concen: 46.401 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

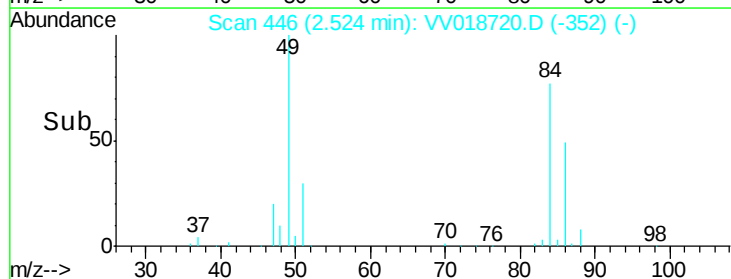
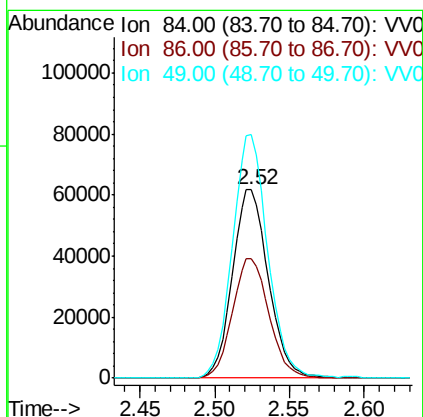
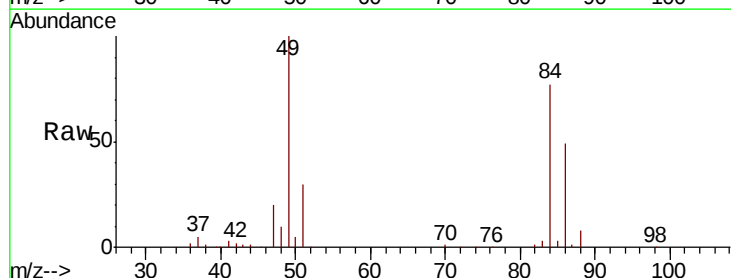
Instrument :
MSVOA_V
ClientSampled :

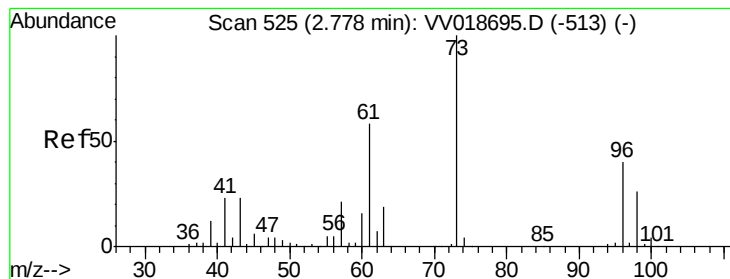
Tot Ion: 43 Resp: 97107
Ion Ratio Lower Upper
43 100
74 22.5 19.2 28.8



#16
Methylene chloride
Concen: 47.986 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

Tgt Ion: 84 Resp: 103333
Ion Ratio Lower Upper
84 100
86 63.5 46.2 85.8
49 129.4 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 44.805 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :
MSVOA_V
ClientSampleId :

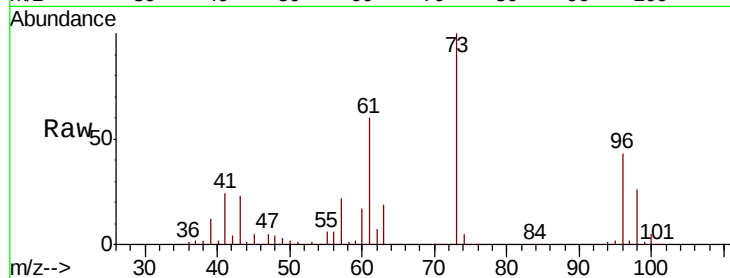
Tot Ion: 96 Resp: 91986

Ion Ratio Lower Upper

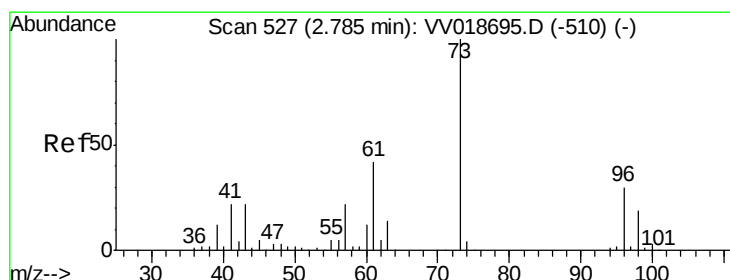
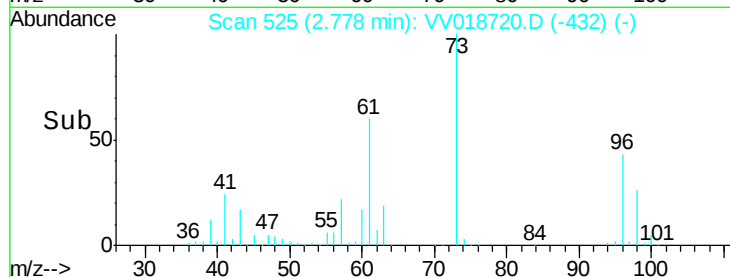
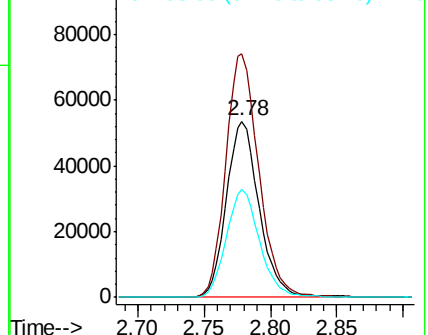
96 100

61 138.1 95.0 176.4

98 61.2 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: 45.338 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

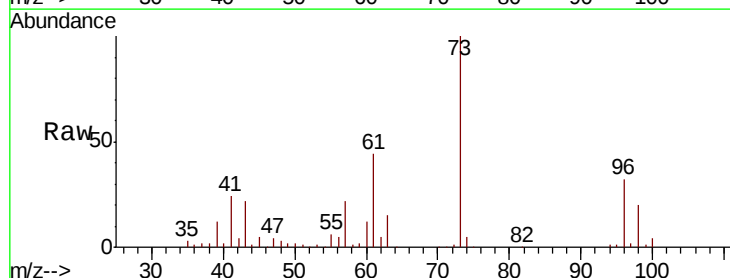
Tgt Ion: 73 Resp: 283594

Ion Ratio Lower Upper

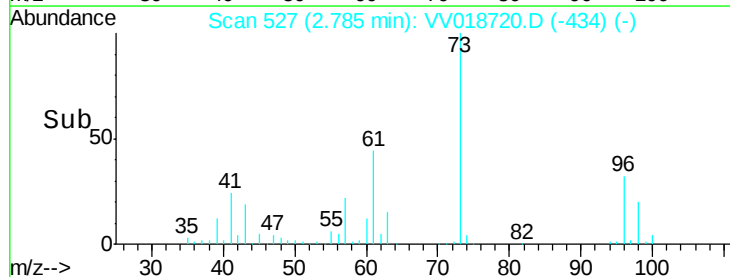
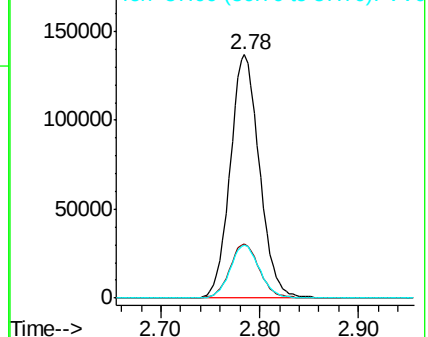
73 100

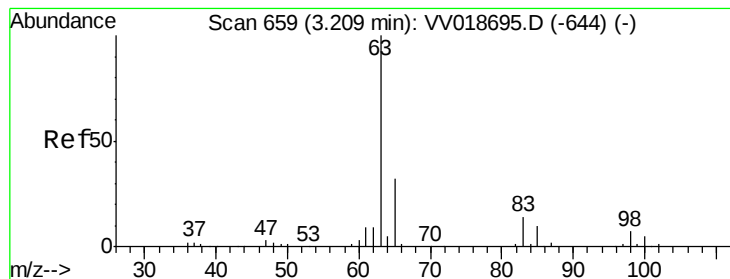
43 22.3 15.9 23.9

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: 47.618 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :

MSVOA_V

ClientSampled :

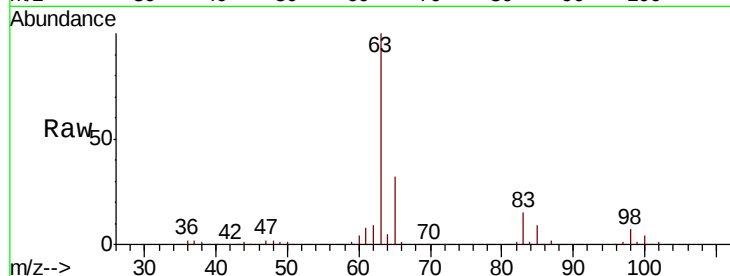
Tot Ion: 63 Resp: 171173

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

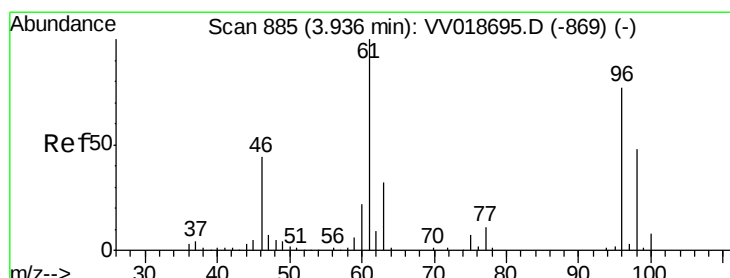
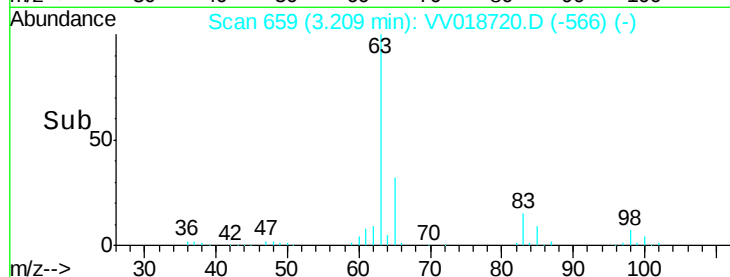
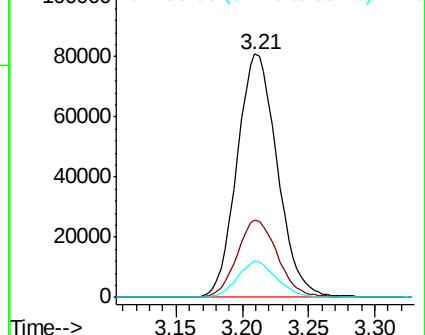
83 14.7 9.3 17.3



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: 44.677 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

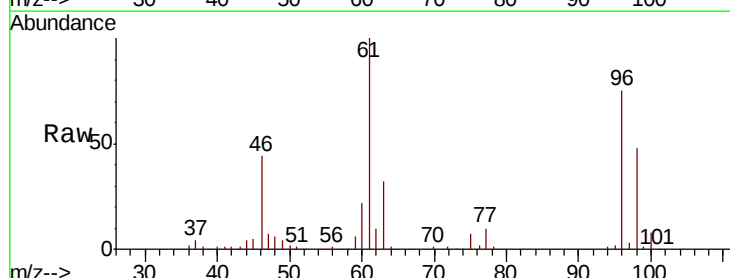
Tgt Ion: 96 Resp: 97480

Ion Ratio Lower Upper

96 100

61 133.0 86.8 161.2

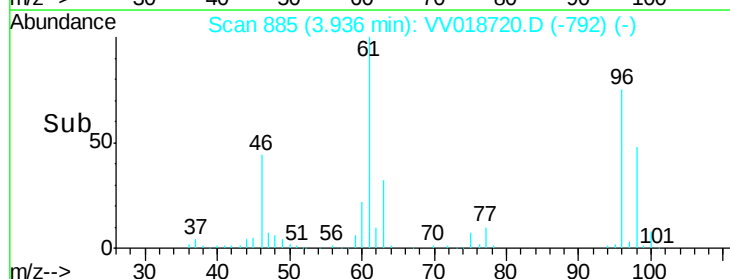
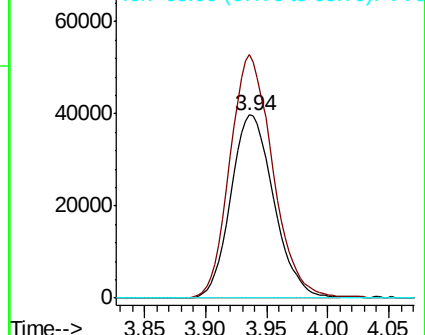
68 0.0 0.0 0.0

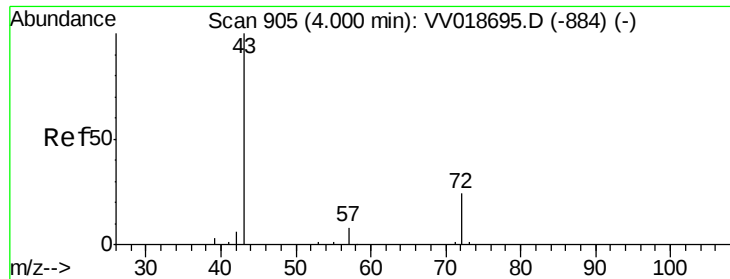


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 102.834 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

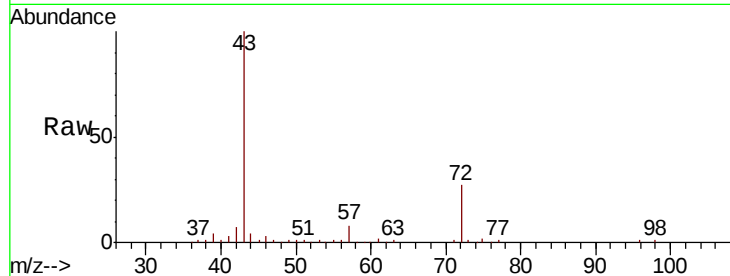
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 141116

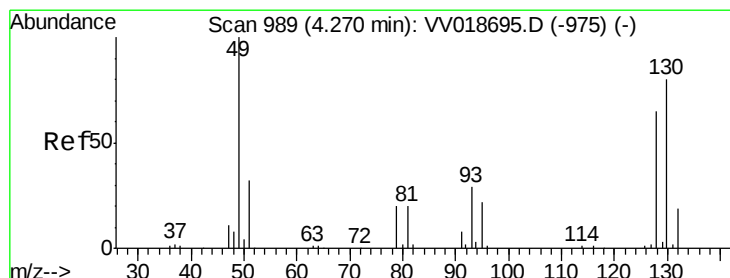
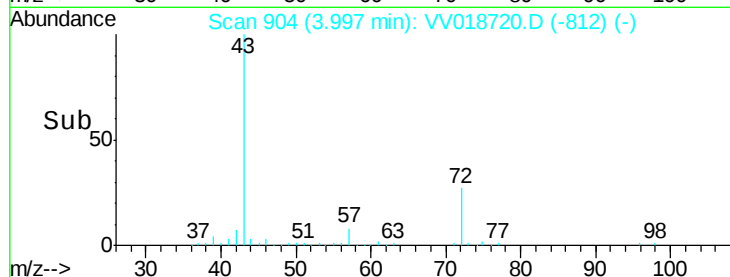
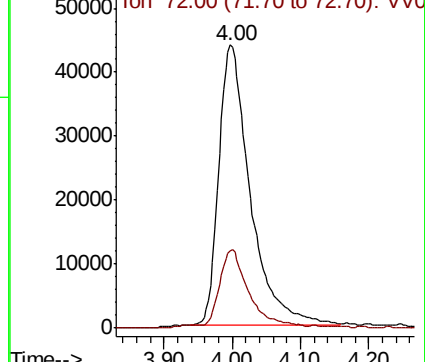
Ion Ratio Lower Upper

43 100

72 24.4 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018720.D (-812) (-)



#23

Bromochloromethane

Concen: 47.402 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Tgt Ion:128 Resp: 56873

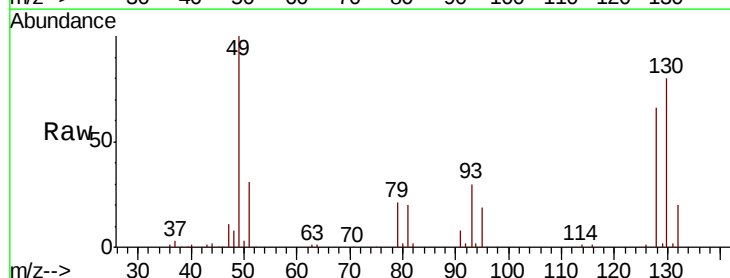
Ion Ratio Lower Upper

128 100

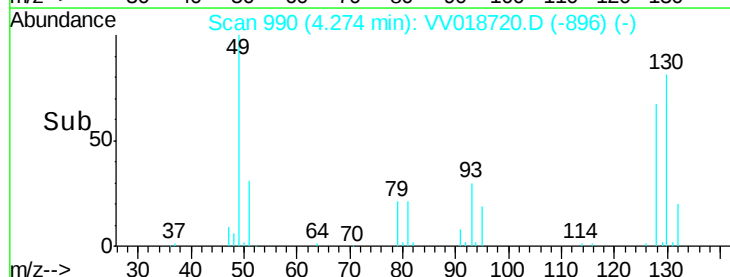
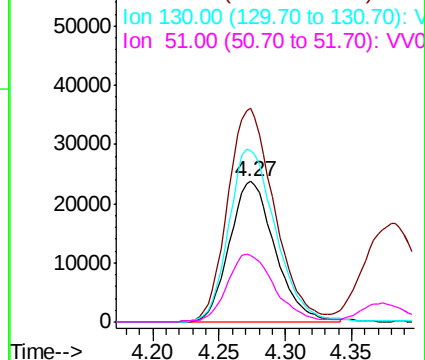
49 152.1 105.1 195.1

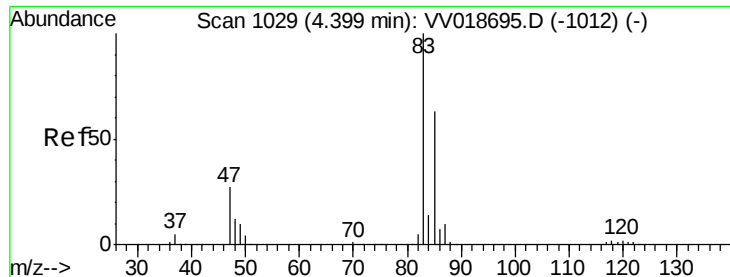
130 122.4 90.0 167.2

51 47.6 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018720.D (-896) (-)

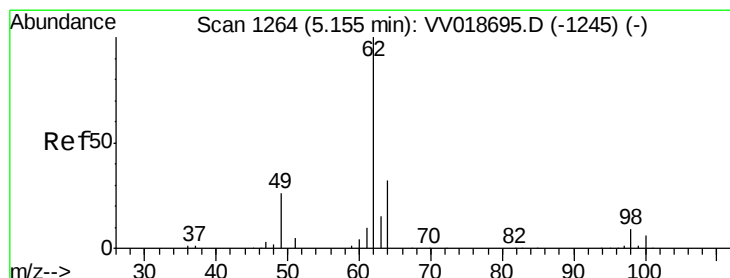
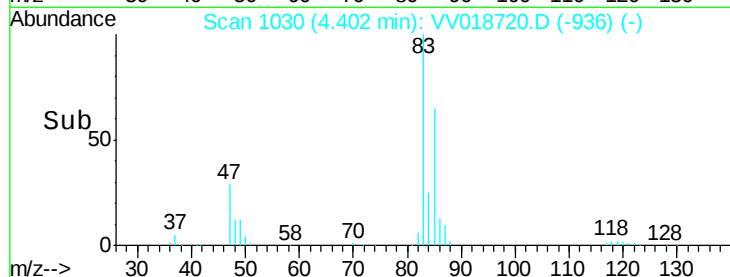
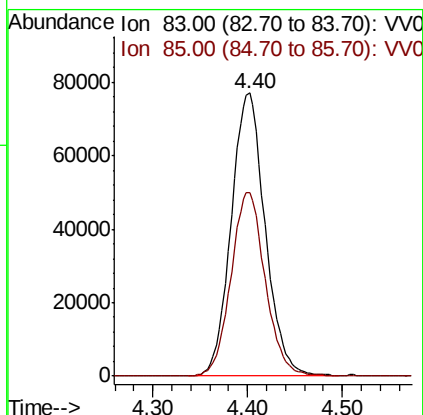
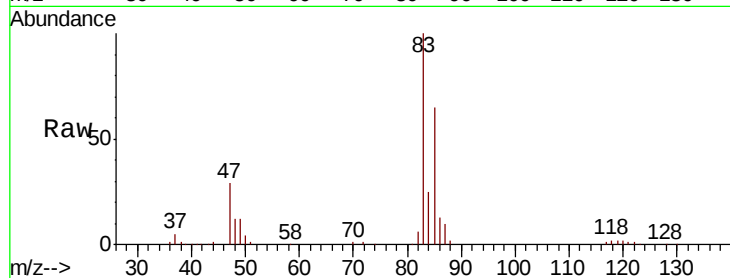




#25
Chloroform
Concen: 50.709 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

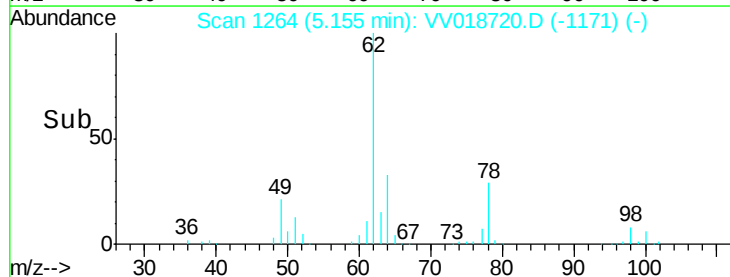
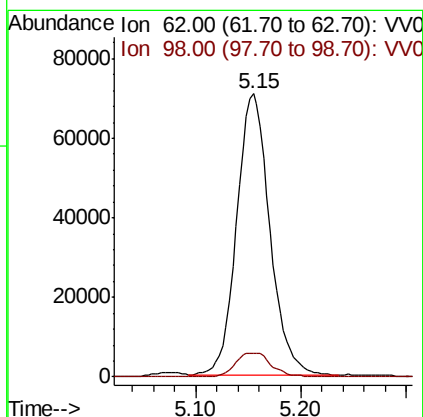
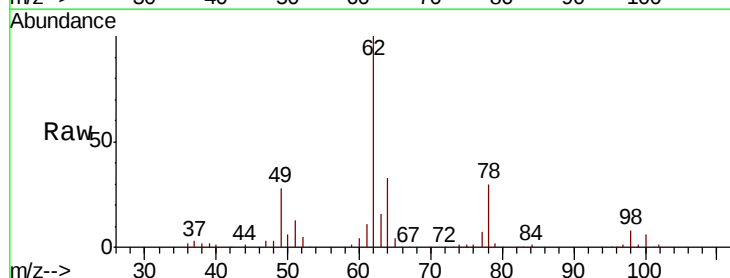
Instrument :
MSVOA_V
ClientSampleId :

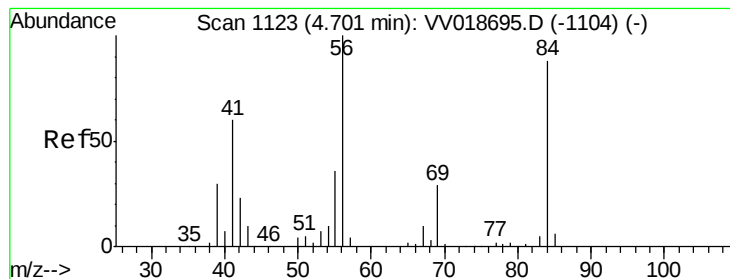
Tot Ion: 83 Resp: 192473
Ion Ratio Lower Upper
83 100
85 64.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 52.195 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

Tgt Ion: 62 Resp: 154416
Ion Ratio Lower Upper
62 100
98 8.3 7.7 11.5





#29

Cyclohexane

Concen: 41.478 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :
MSVOA_V
ClientSampleId :

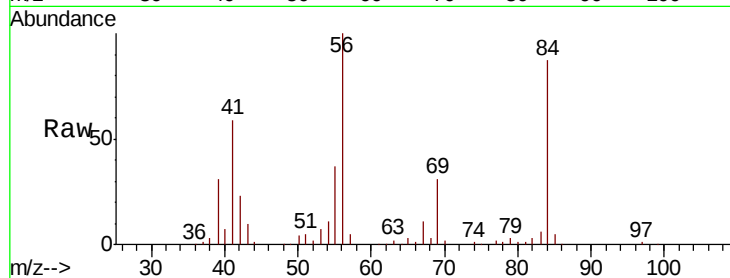
Tot Ion: 56 Resp: 136185

Ion Ratio Lower Upper

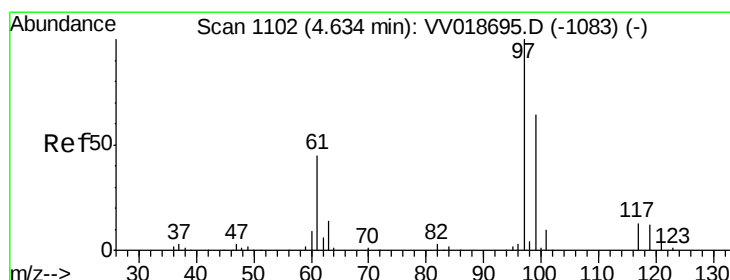
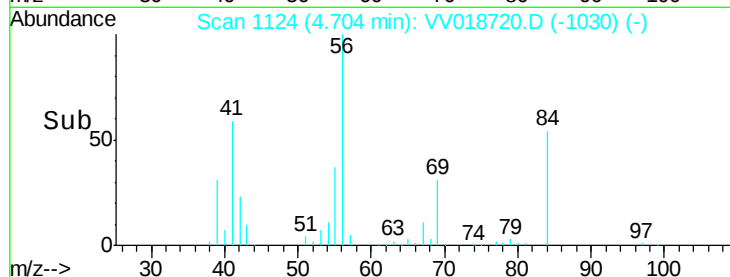
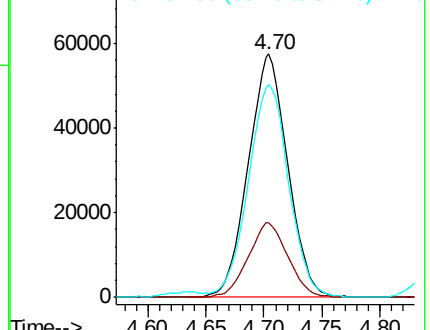
56 100

69 30.9 24.8 37.2

84 90.1 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: 46.556 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

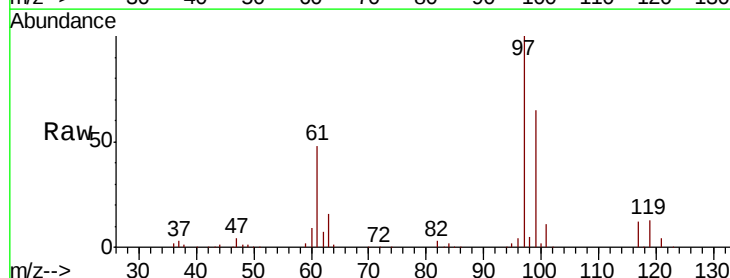
Tgt Ion: 97 Resp: 166387

Ion Ratio Lower Upper

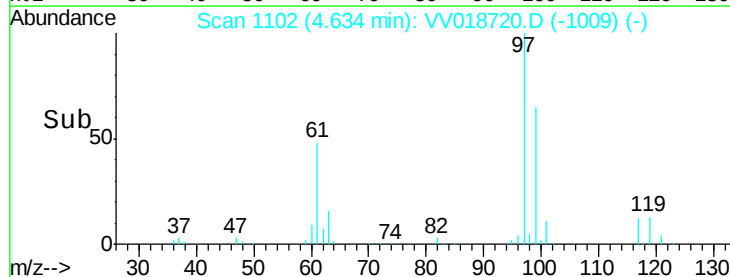
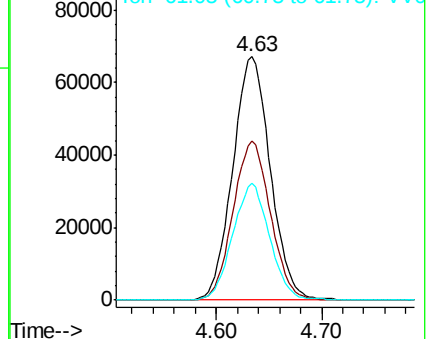
97 100

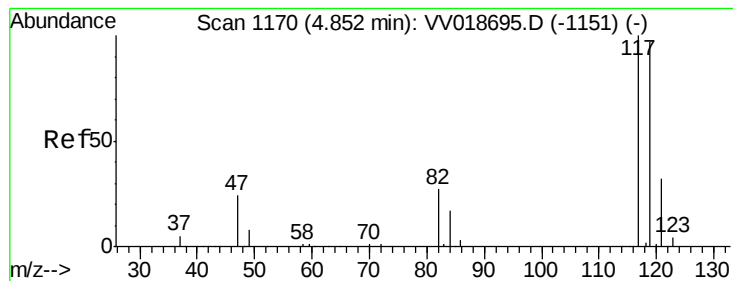
99 64.9 51.4 77.0

61 47.1 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: 45.997 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :

MSVOA_V

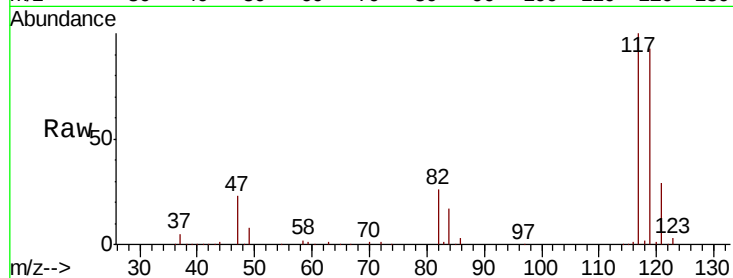
ClientSampleId :

Tot Ion:117 Resp: 147534

Ion Ratio Lower Upper

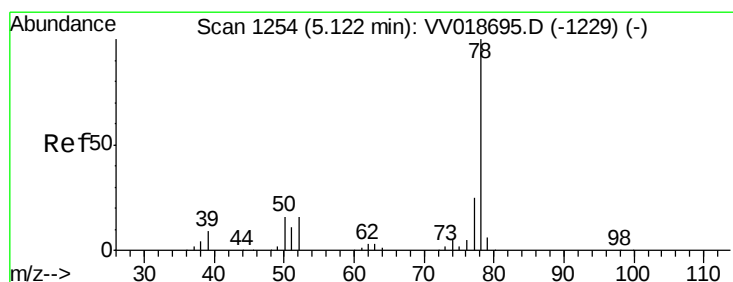
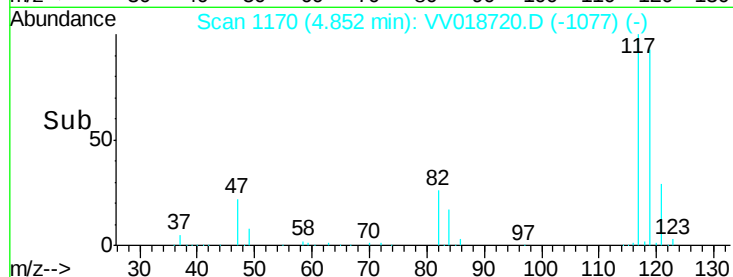
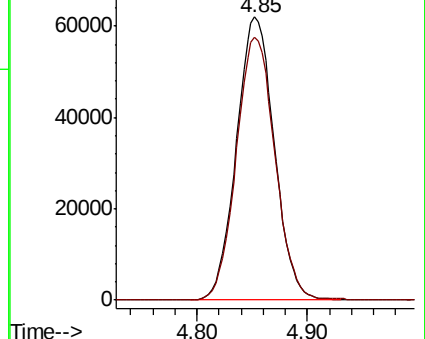
117 100

119 94.6 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.340 ug/L

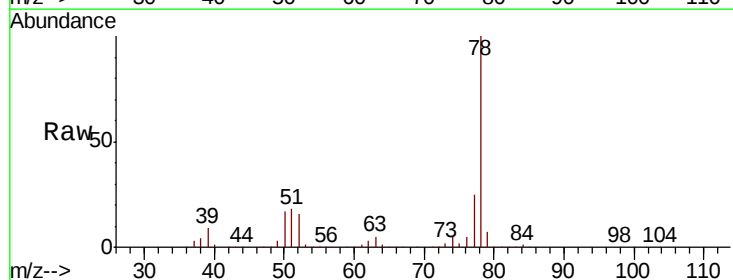
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

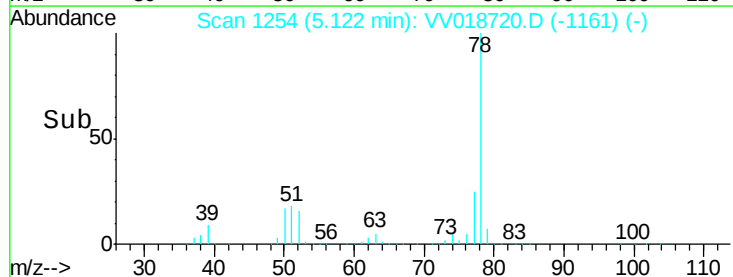
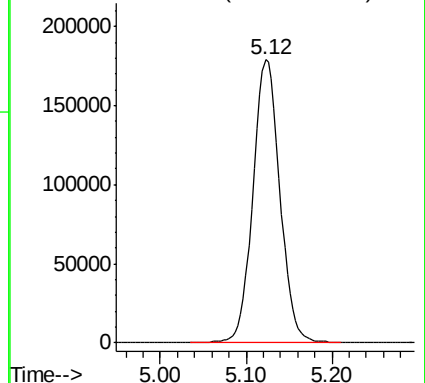
Lab File: VV018720.D

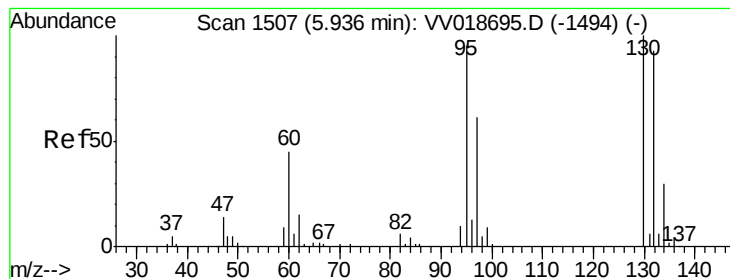
Acq: 07 Oct 2020 10:33

Tgt Ion: 78 Resp: 391916



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.829 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 119891

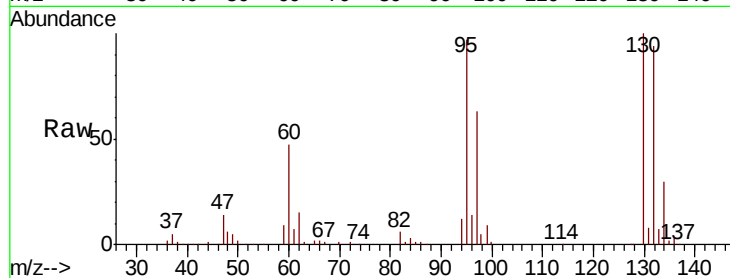
Ion Ratio Lower Upper

95 100

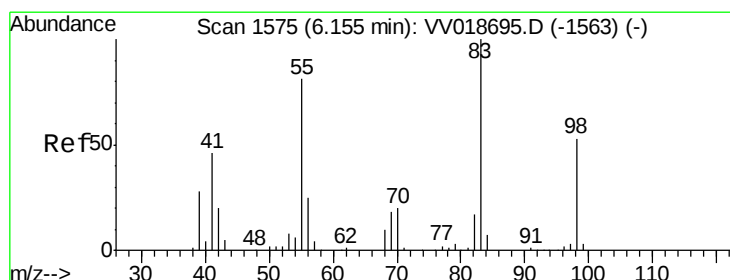
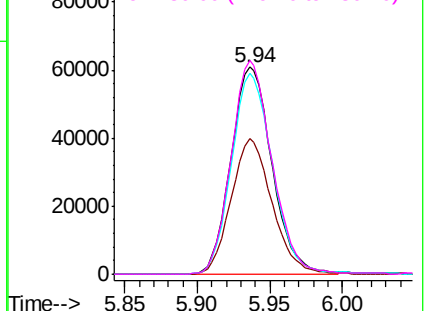
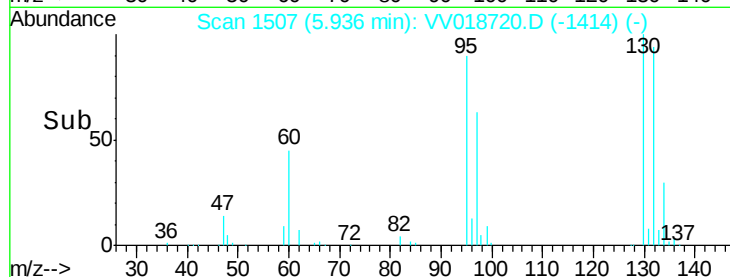
97 65.3 45.9 85.3

132 97.3 70.8 131.4

130 103.2 75.3 139.8



Abundance Ion 95.00 (94.70 to 95.70): VV018720.D (-1414) (-)



#35

Methylcyclohexane

Concen: 45.171 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

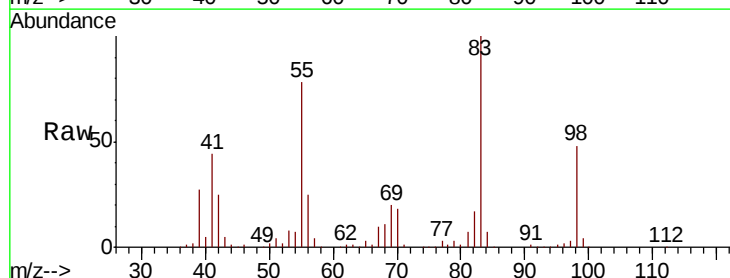
Tgt Ion: 83 Resp: 149617

Ion Ratio Lower Upper

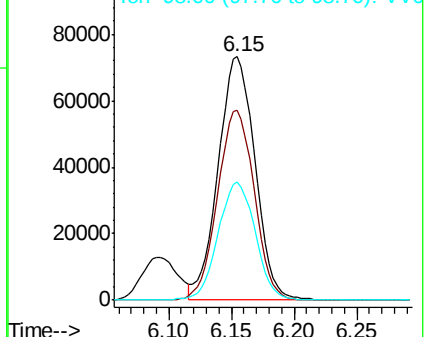
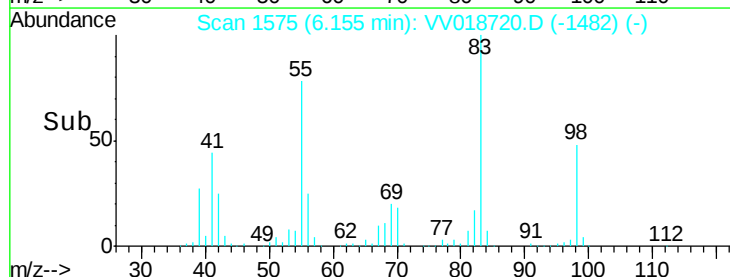
83 100

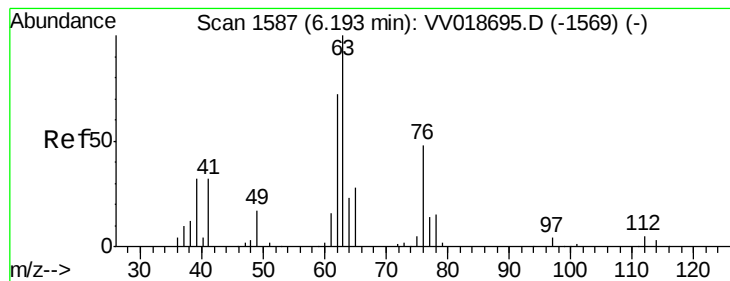
55 77.7 60.1 90.1

98 48.1 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VV018720.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 50.583 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

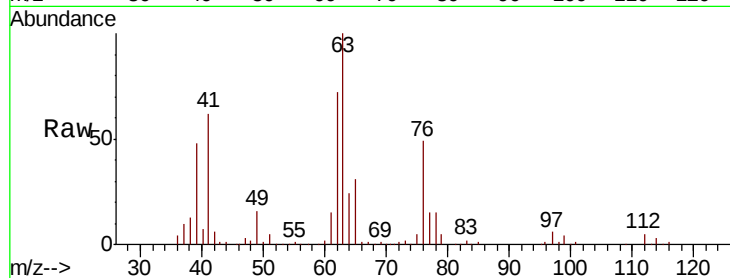
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 109758

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9

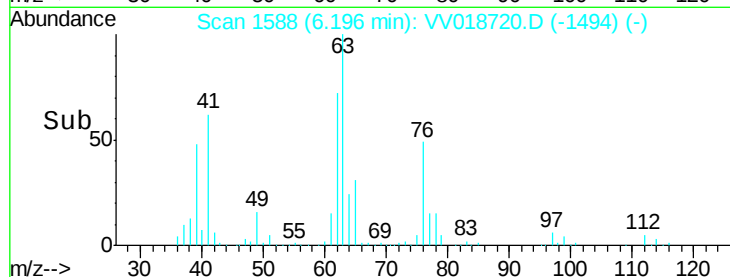


Abundance Ion 63.00 (62.70 to 63.70): VV018695.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018695.D (-1569) (-)

6.20

6.10 6.20 6.30

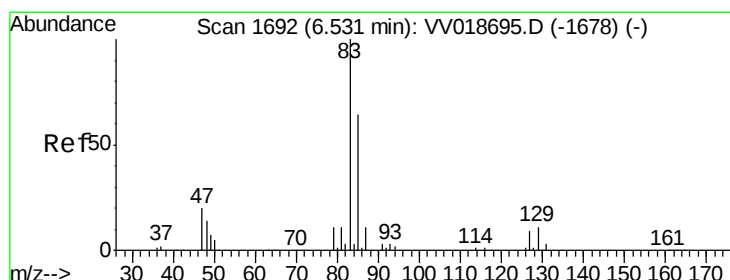


Abundance Ion 63.00 (62.70 to 63.70): VV018720.D (-1494) (-)

Ion 112.00 (111.70 to 112.70): VV018720.D (-1494) (-)

6.20

6.10 6.20 6.30



#38

Bromodichloromethane

Concen: 52.767 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

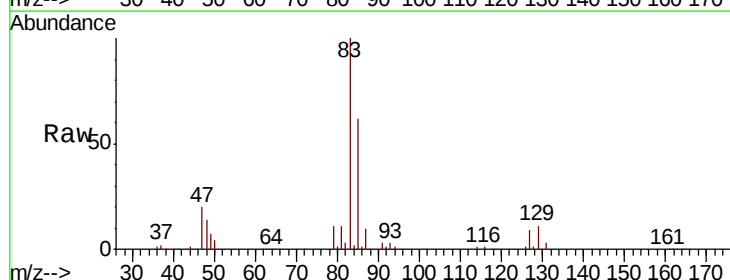
Tgt Ion: 83 Resp: 153336

Ion Ratio Lower Upper

83 100

85 62.2 44.5 82.7

127 8.6 7.2 10.8



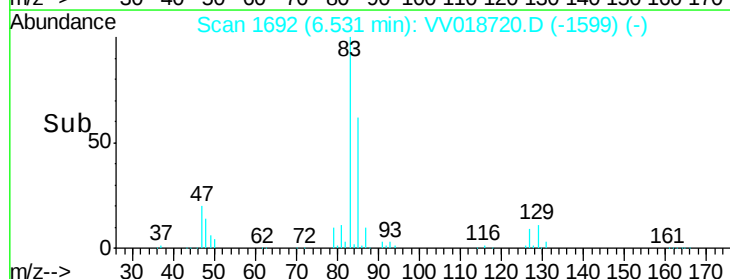
Abundance Ion 83.00 (82.70 to 83.70): VV018695.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV018695.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV018695.D (-1678) (-)

6.53

6.45 6.50 6.55 6.60 6.65



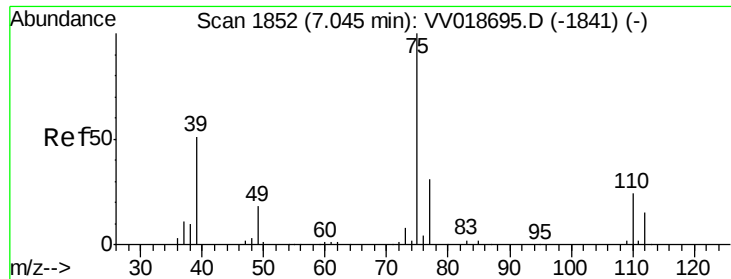
Abundance Ion 83.00 (82.70 to 83.70): VV018720.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018720.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV018720.D (-1599) (-)

6.53

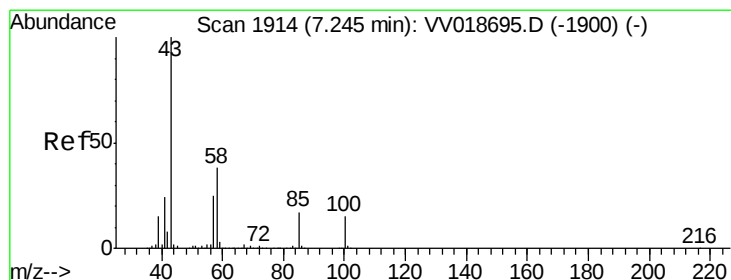
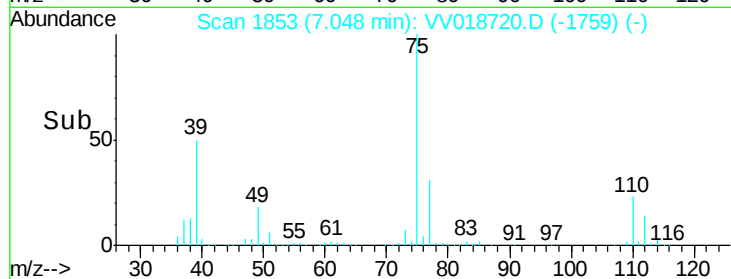
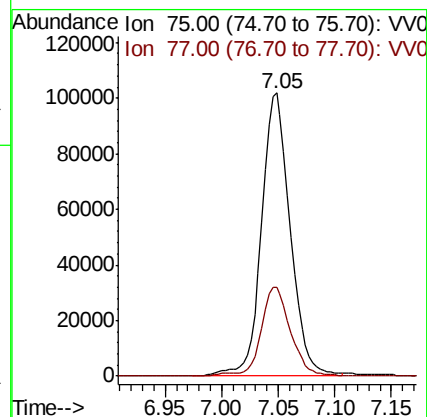
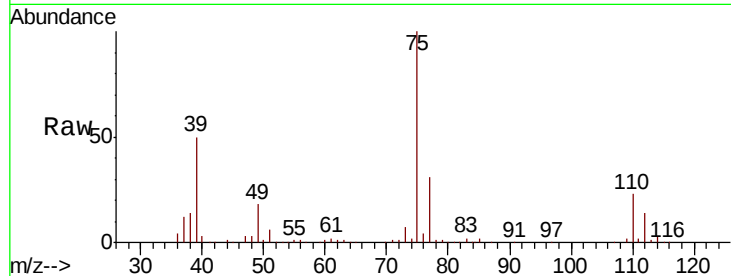
6.45 6.50 6.55 6.60 6.65



#39
 cis-1,3-Dichloropropene
 Concen: 52.865 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

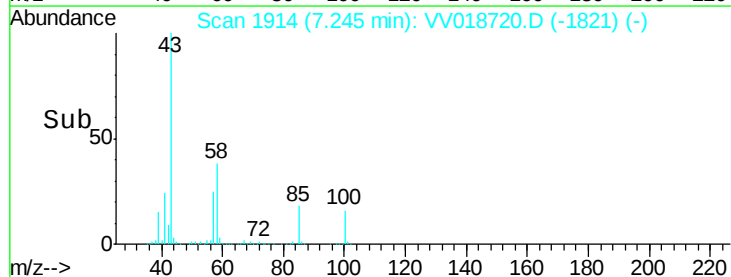
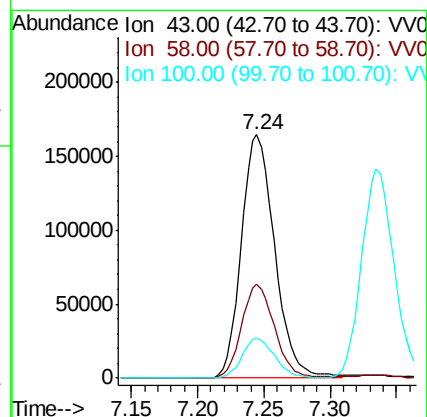
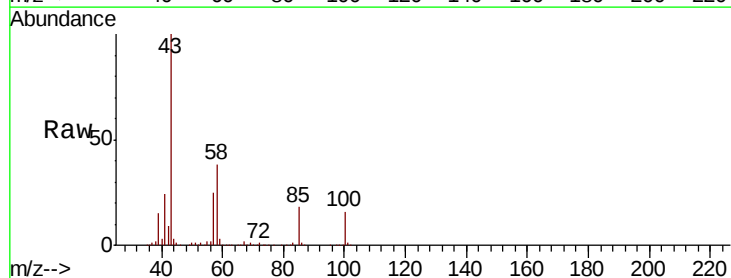
Instrument :
 MSVOA_V
 ClientSampleId :

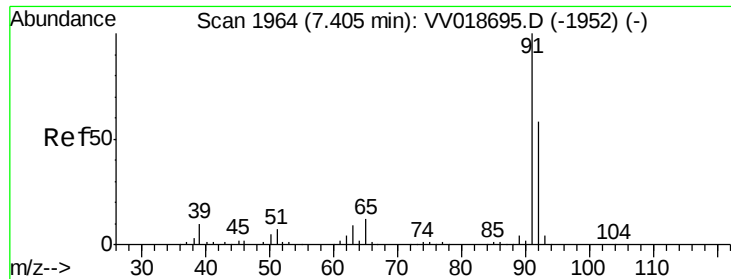
Tot Ion: 75 Resp: 179972
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 102.719 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

Tgt Ion: 43 Resp: 287603
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.8 47.6
 100 16.0 13.4 20.0





#42

Toluene

Concen: 55.100 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :

MSVOA_V

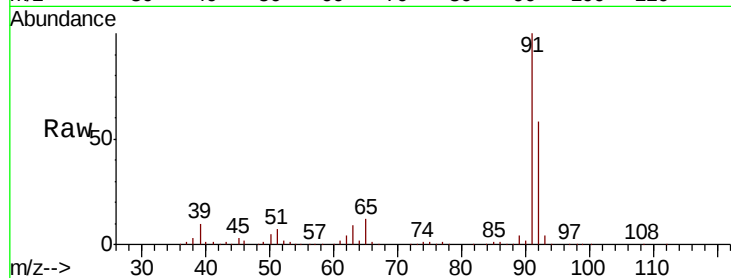
ClientSampleId :

Tot Ion: 91 Resp: 504120

Ion Ratio Lower Upper

91 100

92 58.0 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018695.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018695.D (-1952) (-)

7.41

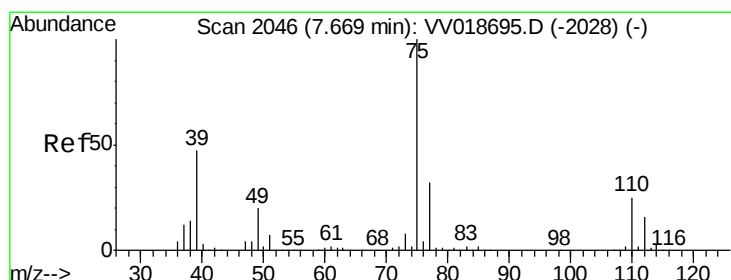
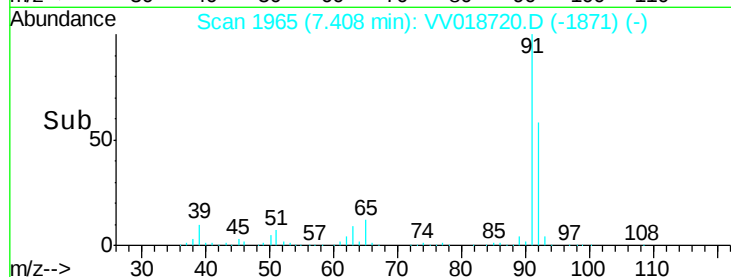
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.376 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018720.D

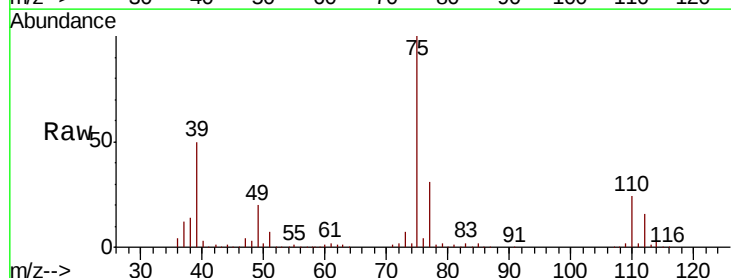
Acq: 07 Oct 2020 10:33

Tgt Ion: 75 Resp: 178502

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018695.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV018695.D (-2028) (-)

7.67

120000

100000

80000

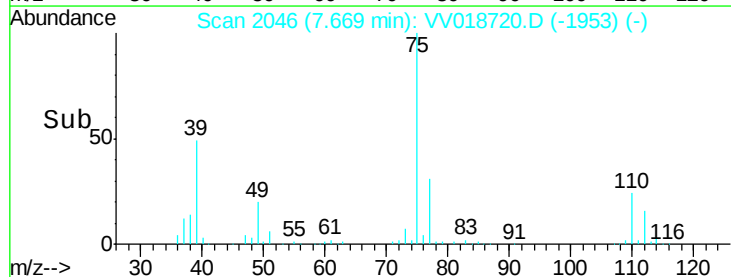
60000

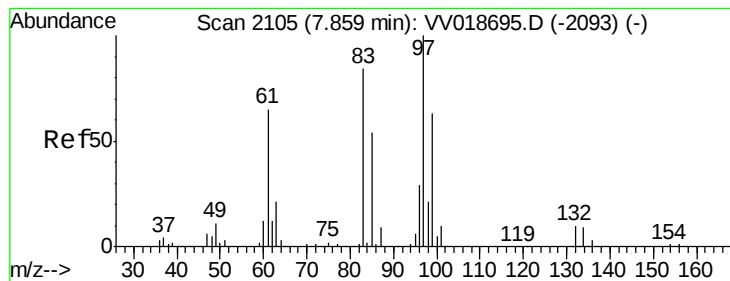
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.780 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 111224

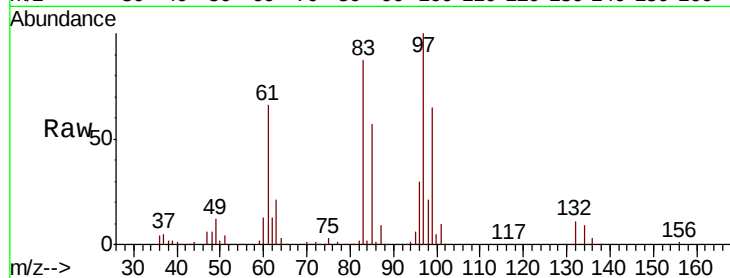
Ion Ratio Lower Upper

97 100

99 65.0 43.3 80.3

83 87.1 60.5 112.5

85 56.7 38.3 71.1

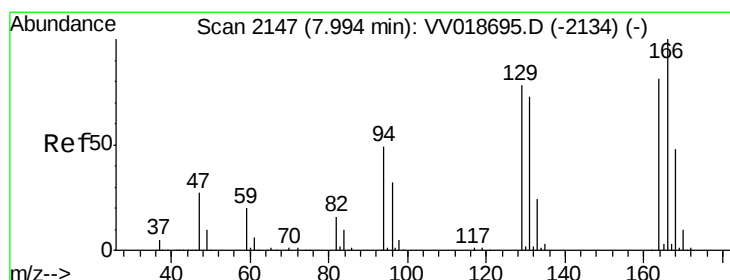
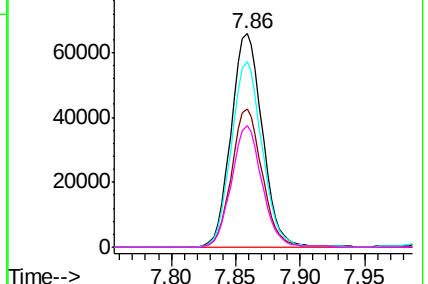
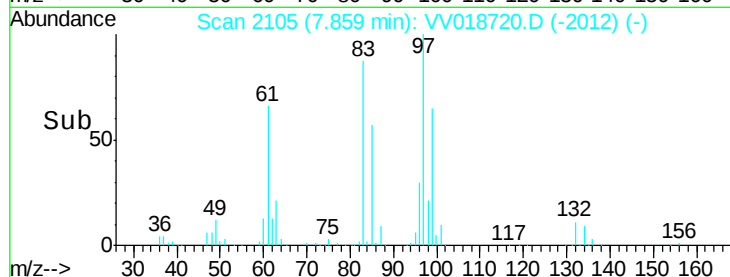


Abundance Ion 97.00 (96.70 to 97.70): VV018720.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018720.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV018720.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018720.D (-2012) (-)



#46

Tetrachloroethene

Concen: 46.054 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Tgt Ion: 164 Resp: 91738

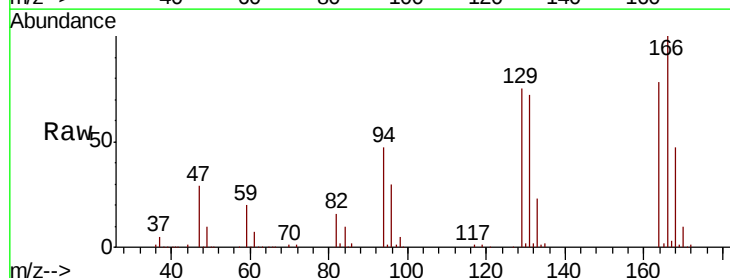
Ion Ratio Lower Upper

164 100

129 95.7 62.8 116.6

131 92.3 60.8 112.8

166 127.9 88.9 165.1

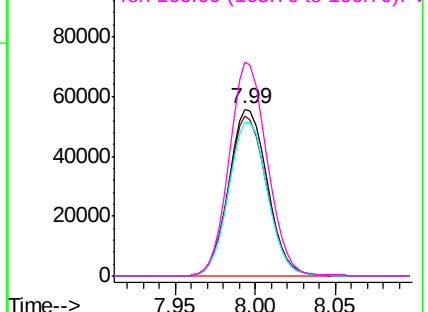
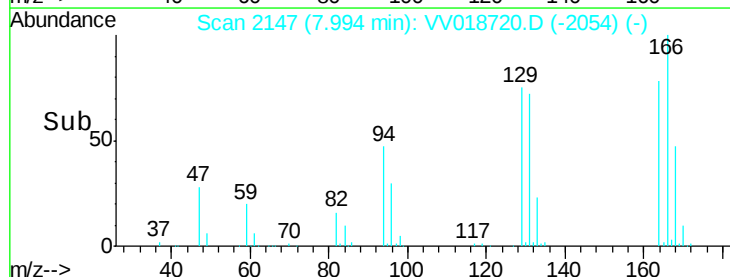


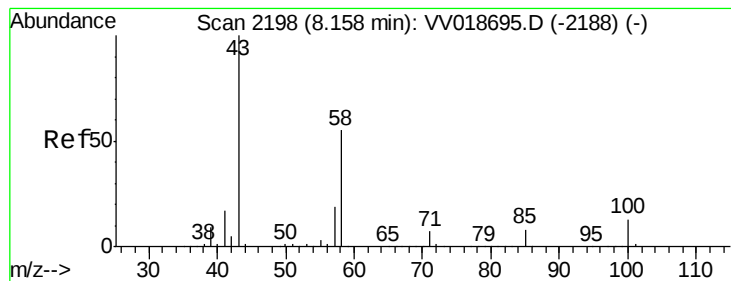
Abundance Ion 164.00 (163.70 to 164.70): VV018720.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018720.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018720.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018720.D (-2054) (-)





#48

2-Hexanone

Concen: 102.152 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 223160

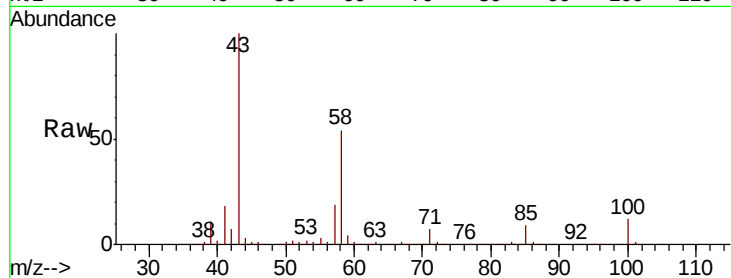
Ion Ratio Lower Upper

43 100

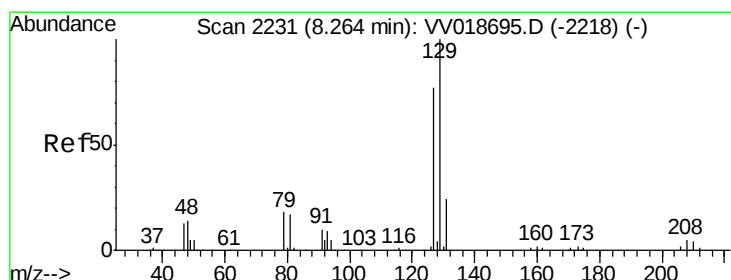
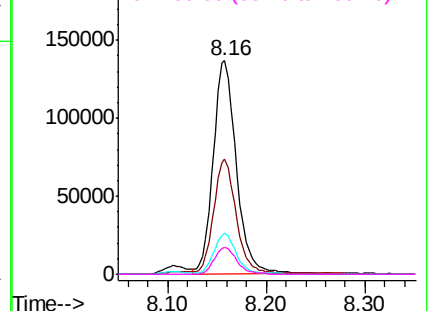
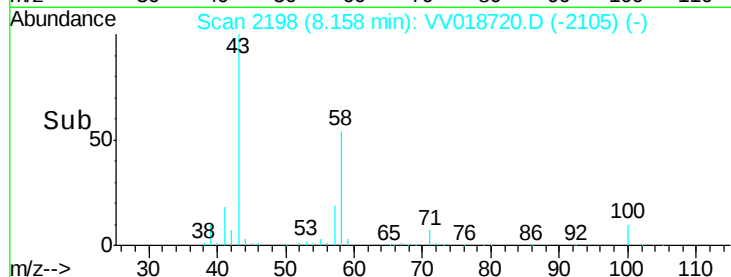
58 52.3 45.1 67.7

57 17.9 15.7 23.5

100 12.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VV018720.D (-2105) (-)



#49

Dibromochloromethane

Concen: 46.004 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VV018720.D

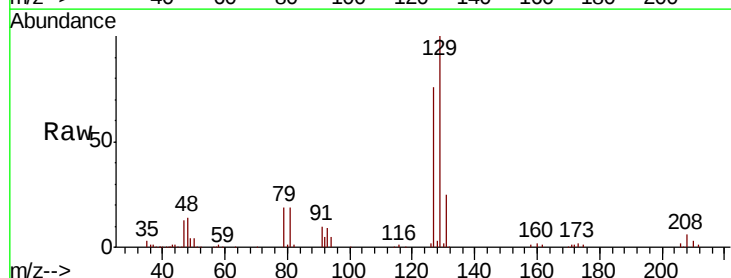
Acq: 07 Oct 2020 10:33

Tgt Ion: 129 Resp: 113026

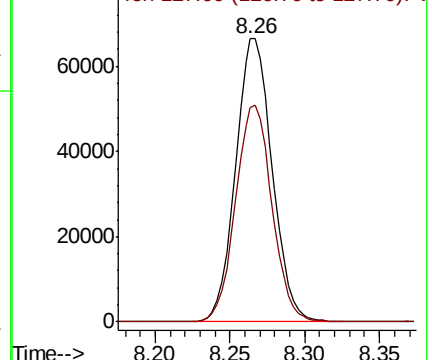
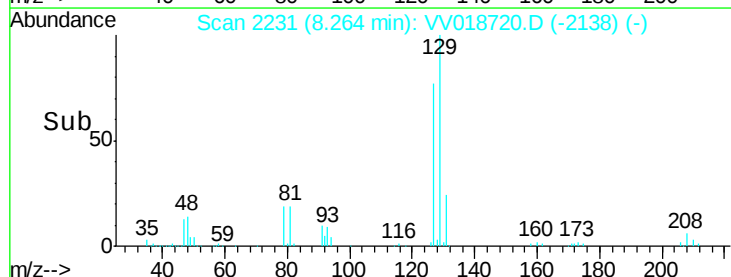
Ion Ratio Lower Upper

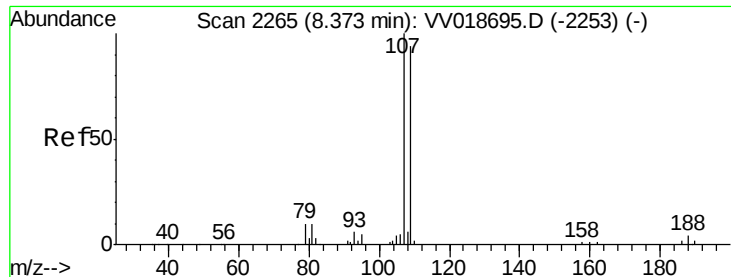
129 100

127 75.7 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018720.D (-2138) (-)

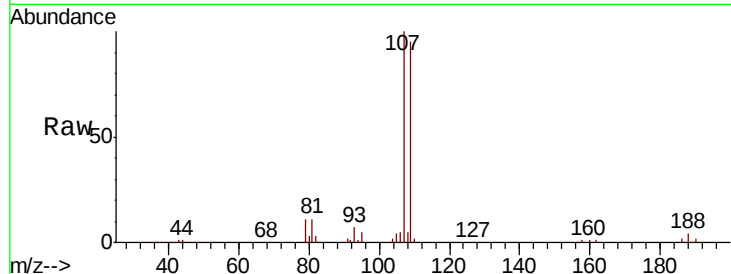




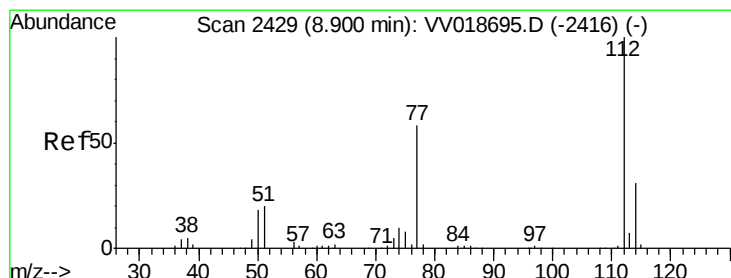
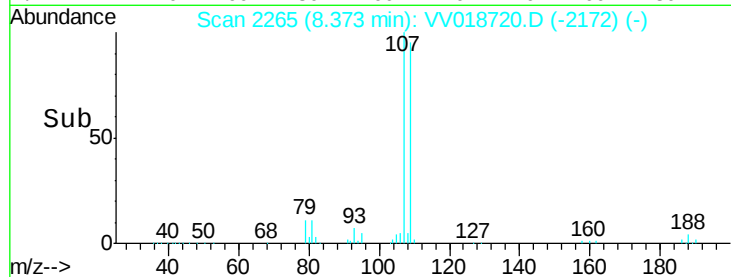
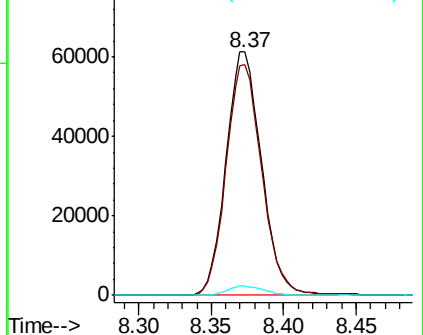
#50
1,2-Dibromoethane
Concen: 45.442 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.1	120.9
188	3.8	3.7	5.5

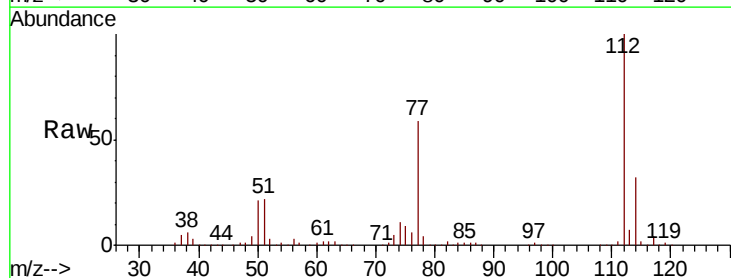


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

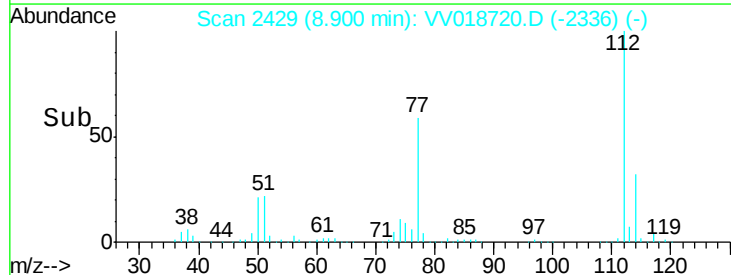
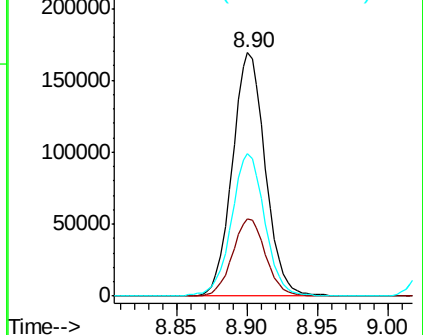


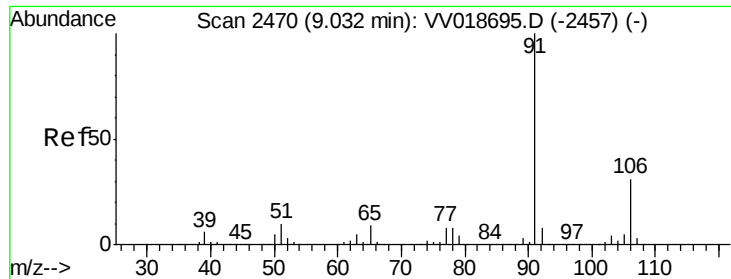
#51
Chlorobenzene
Concen: 44.838 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.4	41.6
77	58.7	44.8	67.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0

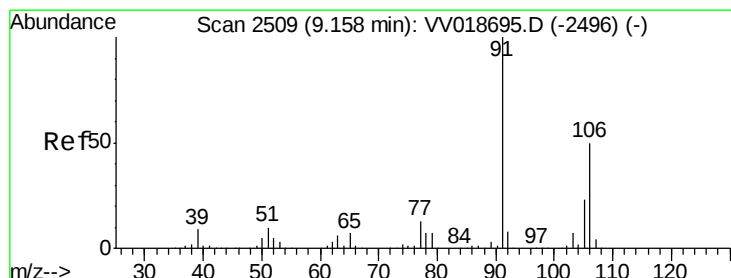
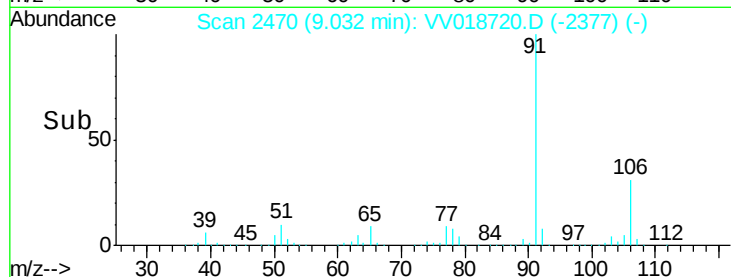
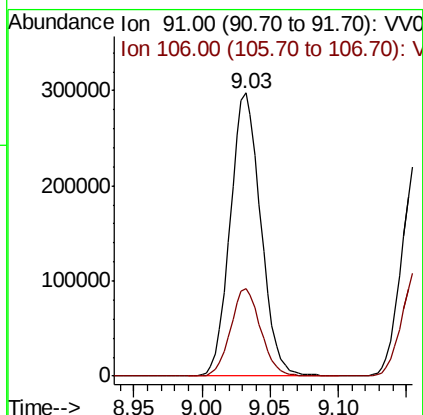
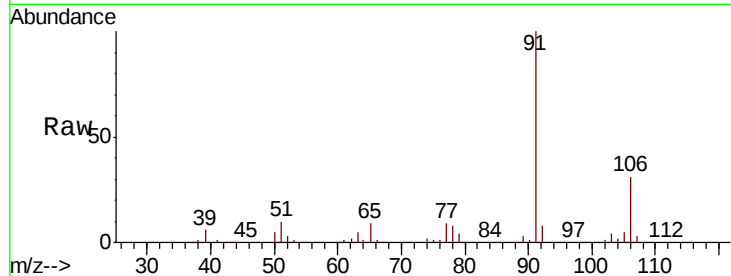




#52
Ethylbenzene
Concen: 45.360 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

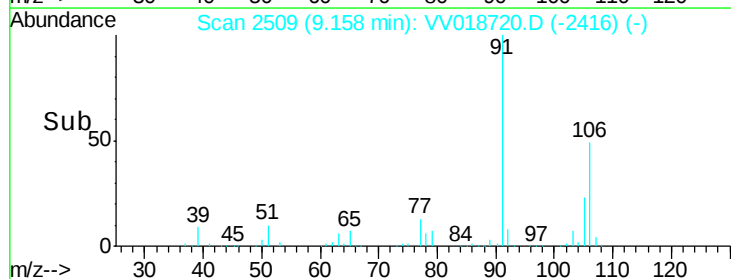
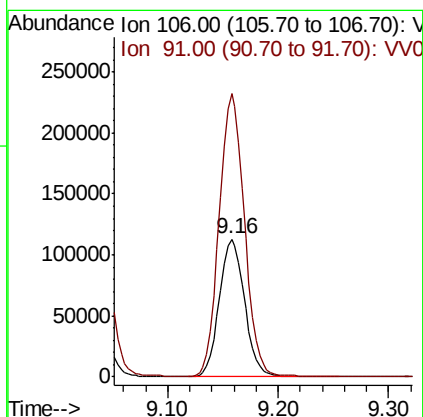
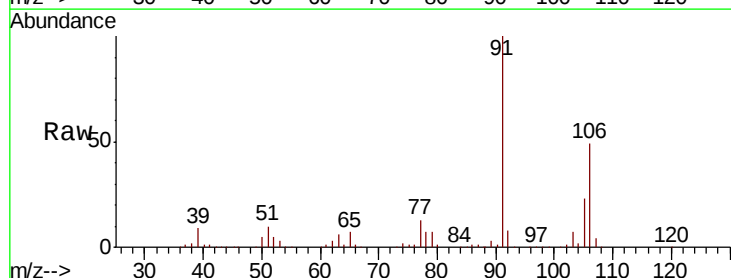
Instrument :
MSVOA_V
ClientSampleId :

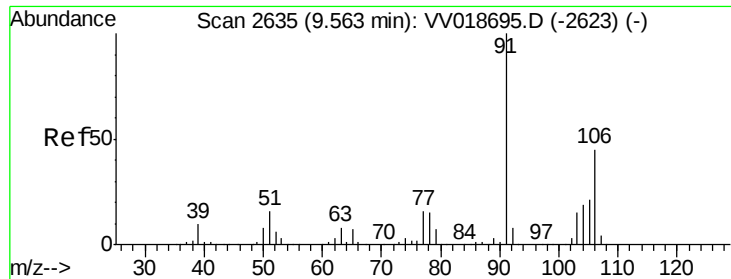
Tot Ion: 91 Resp: 463471
Ion Ratio Lower Upper
91 100
106 30.9 21.9 40.7



#53
m,p-Xylene
Concen: 45.605 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018720.D
Acq: 07 Oct 2020 10:33

Tgt Ion: 106 Resp: 180079
Ion Ratio Lower Upper
106 100
91 205.3 142.3 264.3





#54

o-xylene

Concen: 44.891 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

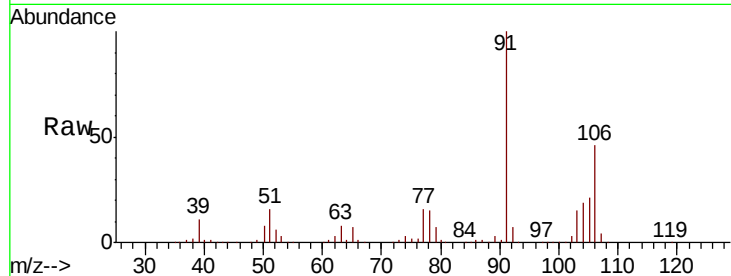
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 167824

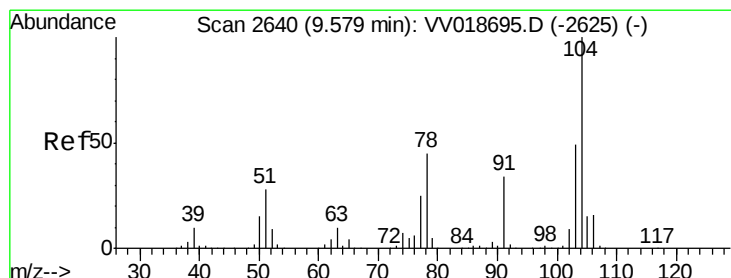
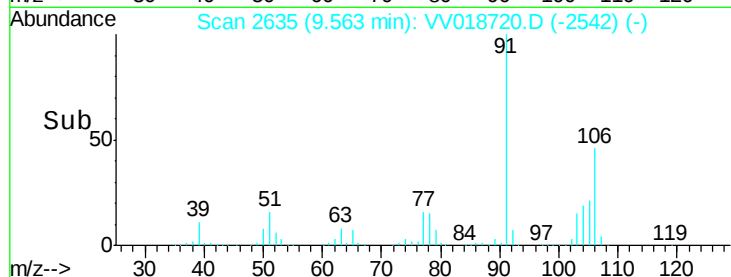
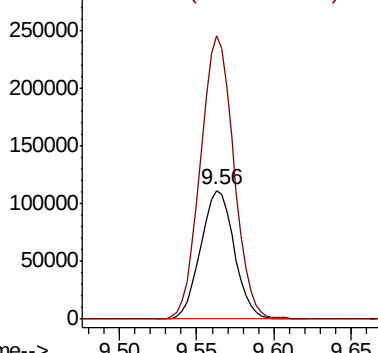
Ion Ratio Lower Upper

106 100

91 219.2 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.415 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018720.D

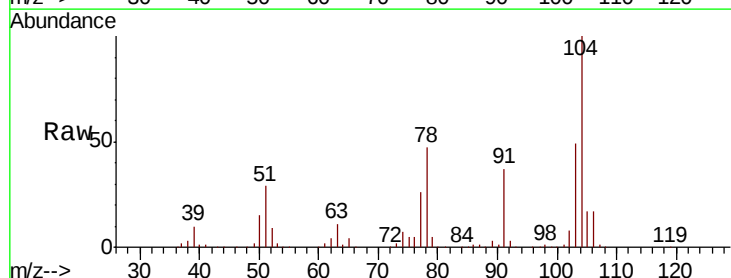
Acq: 07 Oct 2020 10:33

Tgt Ion:104 Resp: 308650

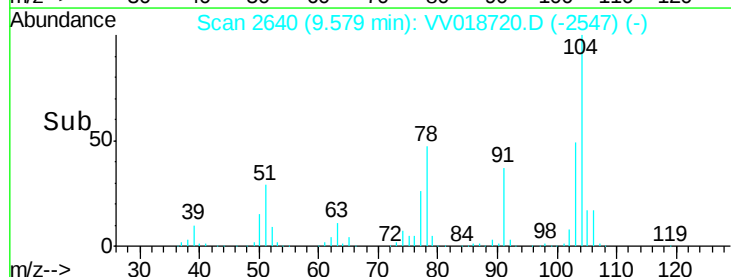
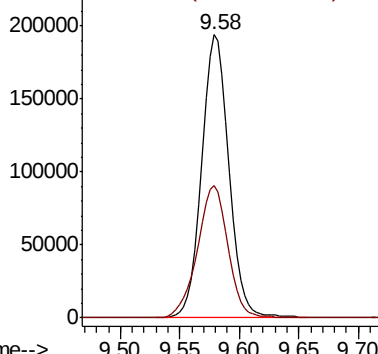
Ion Ratio Lower Upper

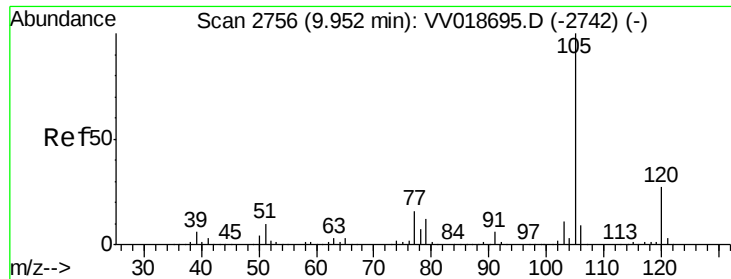
104 100

78 46.9 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 44.123 ug/L

RT: 9.95 min Scan# 2756

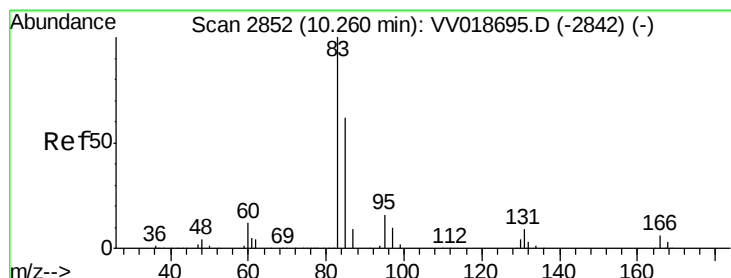
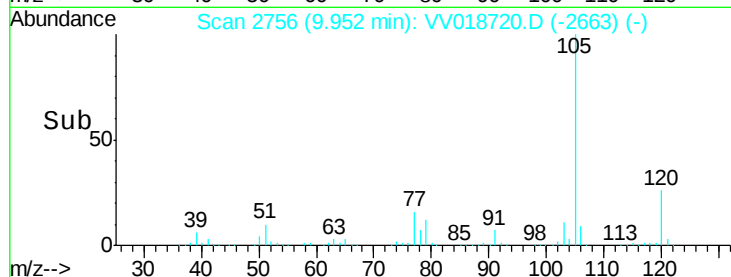
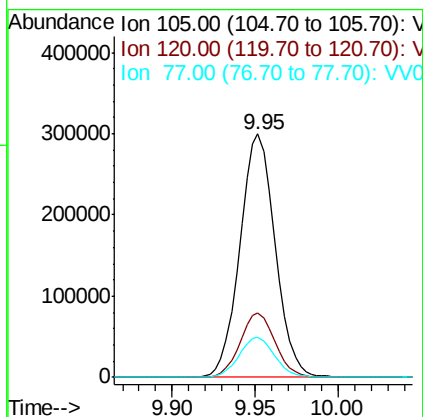
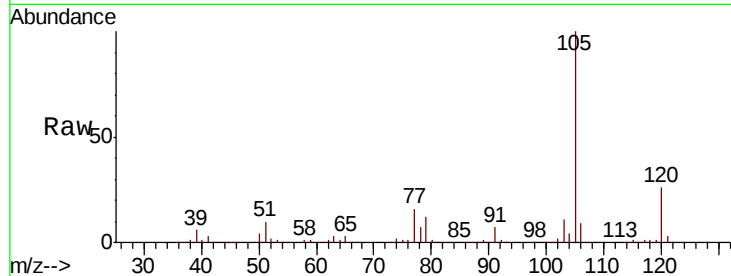
Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	442385
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.5	32.3
77	16.8	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 42.093 ug/L

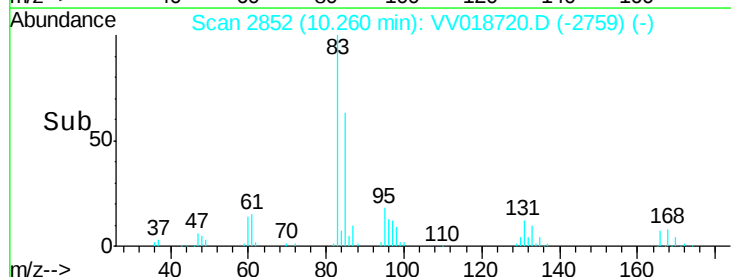
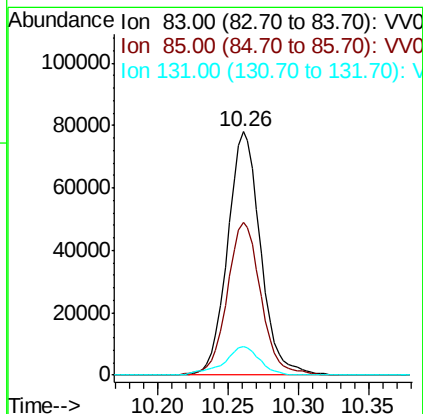
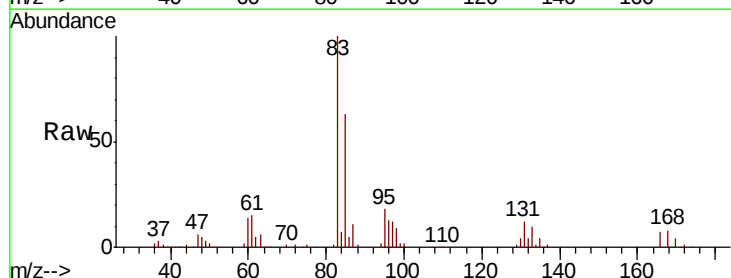
RT: 10.26 min Scan# 2852

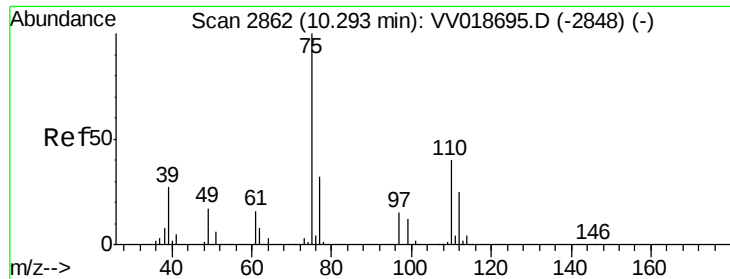
Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Tgt Ion:	83	Resp:	127446
Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.5	82.7
131	11.5	8.6	12.8

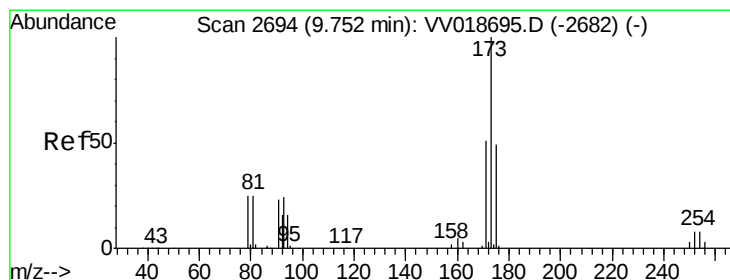
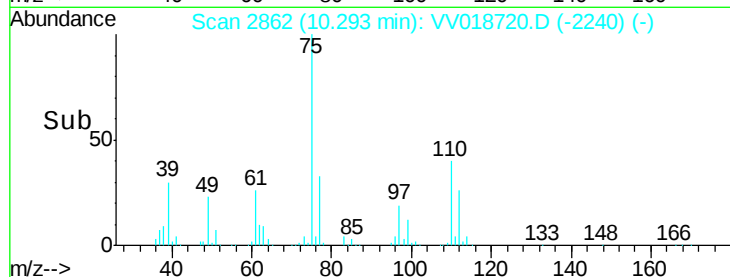
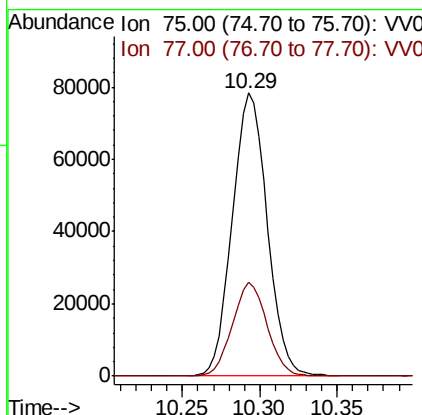
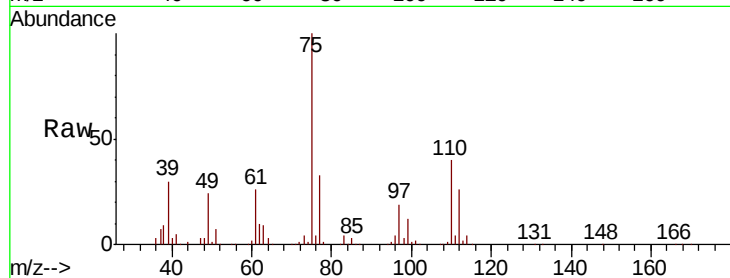




#59
 1,2,3-Trichloropropane
 Concen: 46.478 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

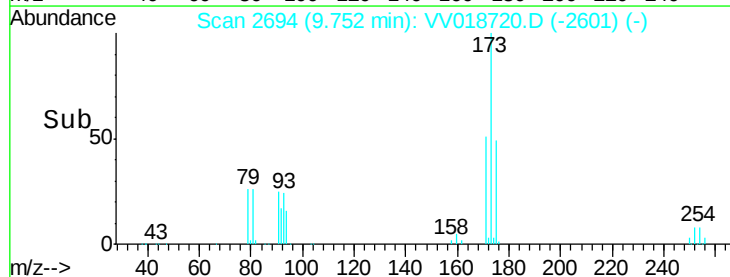
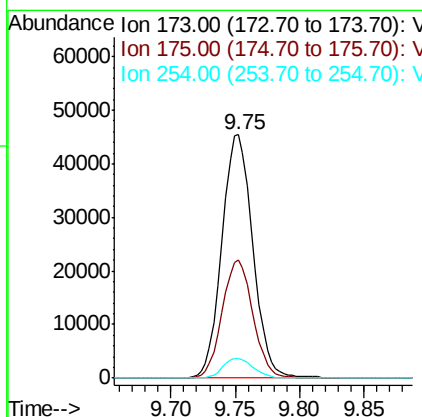
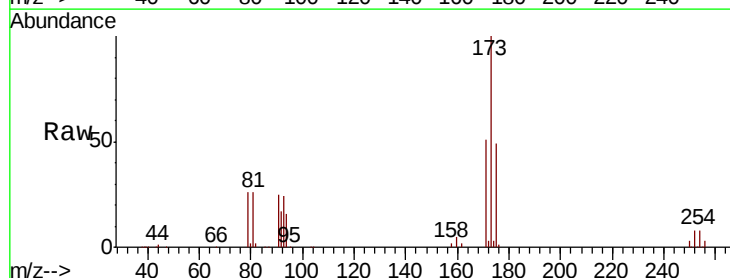
Instrument :
 MSVOA_V
 ClientSampled :

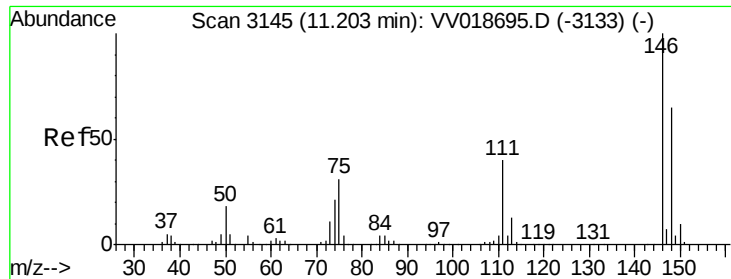
Tot Ion: 75 Resp: 122672
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.0



#61
 Bromoform
 Concen: 42.117 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

Tgt Ion: 173 Resp: 75660
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.8 59.8
 254 8.1 8.5 12.7#

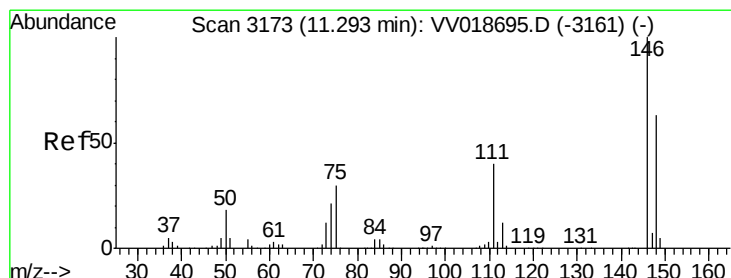
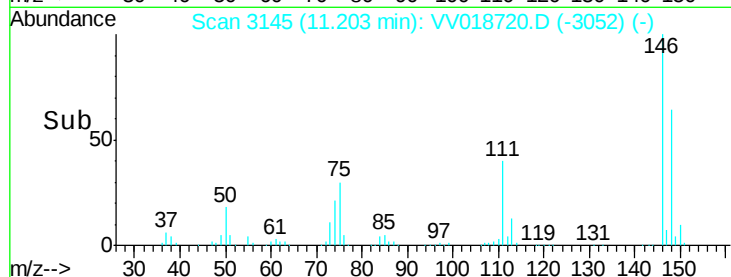
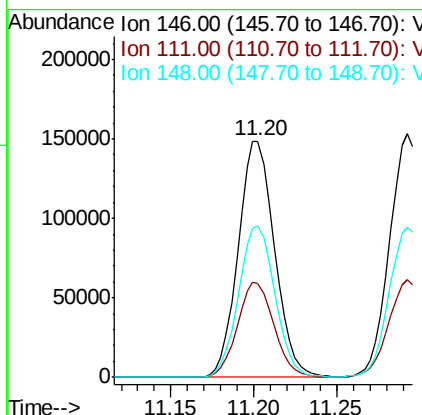
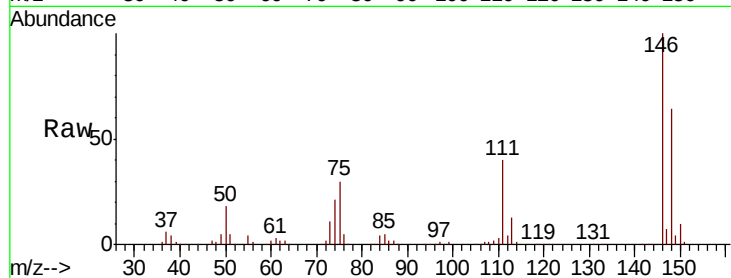




#62
 1,3-Dichlorobenzene
 Concen: 44.831 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

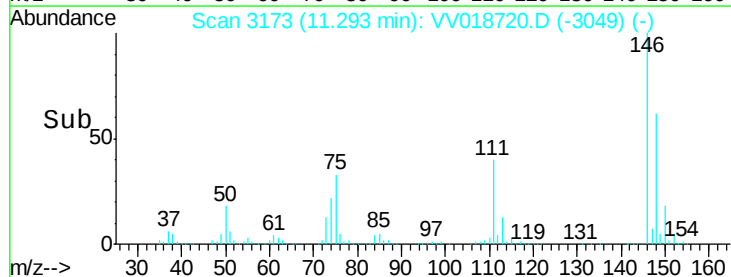
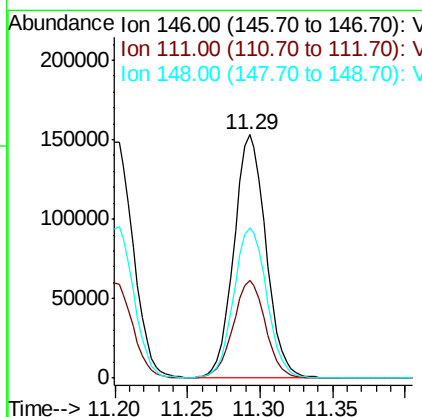
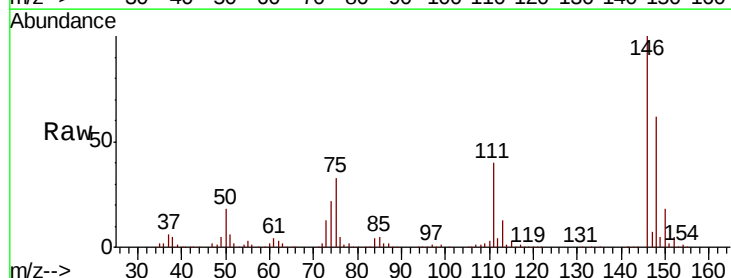
Instrument :
 MSVOA_V
 ClientSampled :

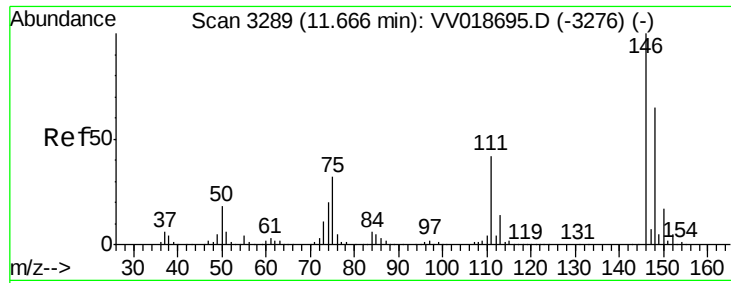
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.8	49.8
148	63.9	44.0	81.8



#63
 1,4-Dichlorobenzene
 Concen: 44.770 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.2	48.6
148	61.9	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 44.442 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Instrument :

MSVOA_V

ClientSampleId :

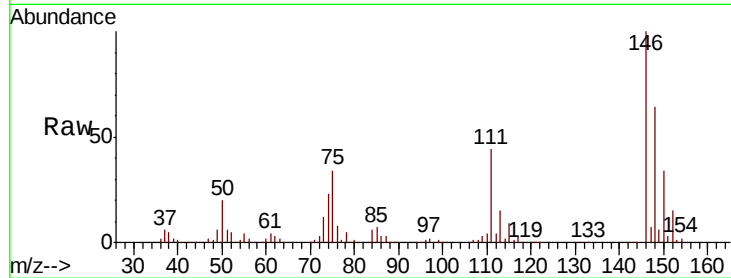
Tot Ion:146 Resp: 222529

Ion Ratio Lower Upper

146 100

111 43.7 32.8 49.2

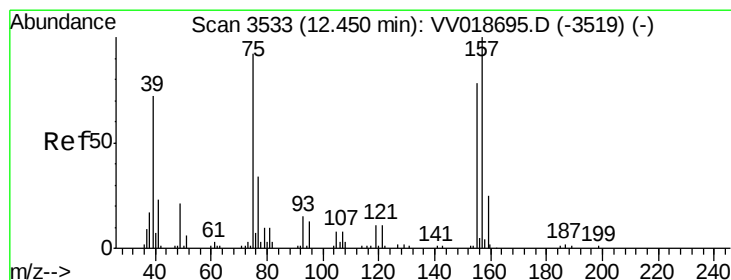
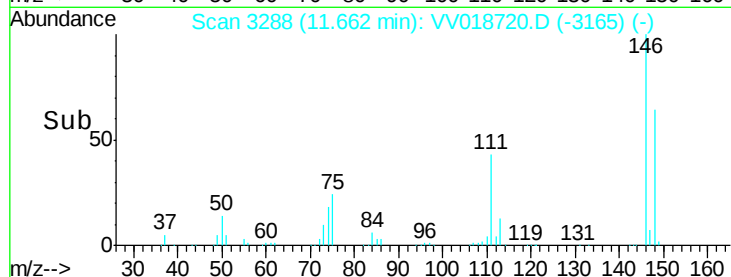
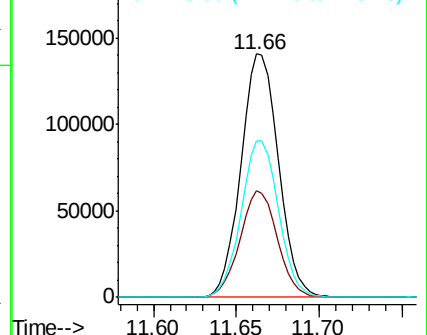
148 64.4 51.9 77.9



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: 43.083 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

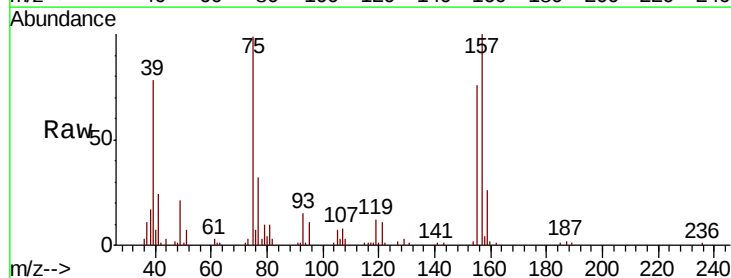
Tgt Ion: 75 Resp: 29449

Ion Ratio Lower Upper

75 100

155 76.4 73.0 109.6

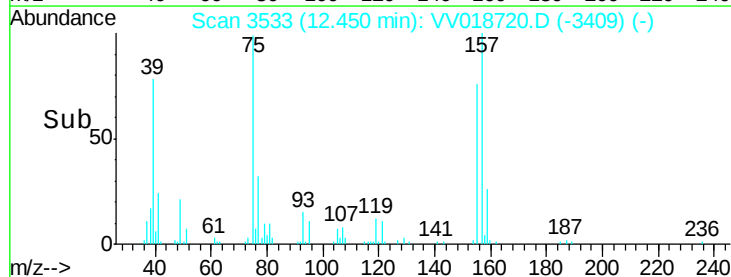
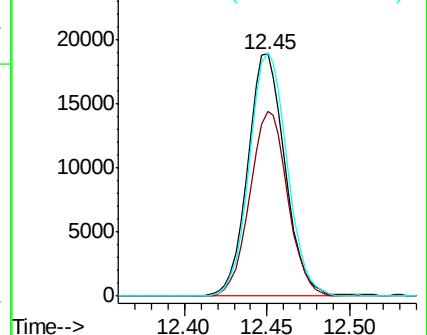
157 100.6 95.8 143.6

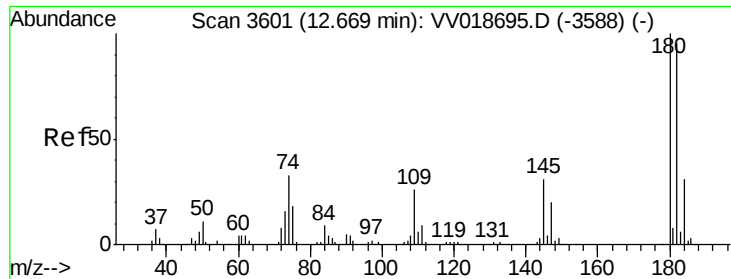


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

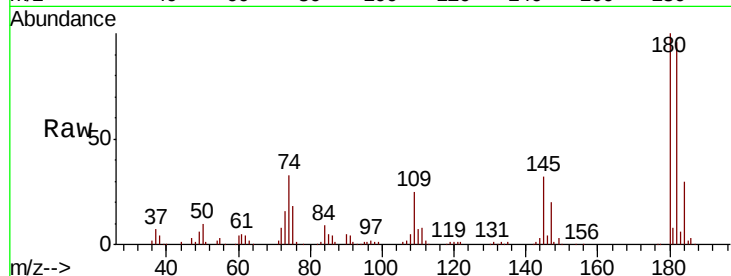




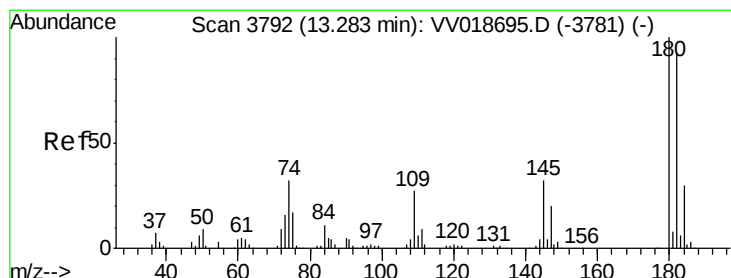
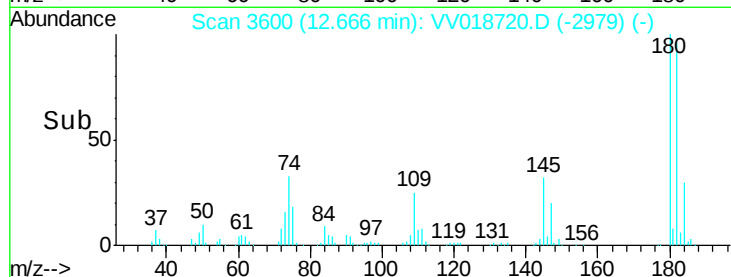
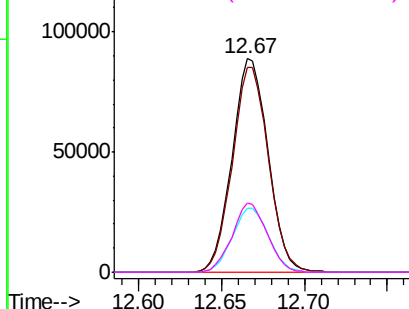
#67
 1,3,5-Trichlorobenzene
 Concen: 38.216 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 133986
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.1 115.7
 184 30.3 24.3 36.5
 145 31.4 22.9 34.3

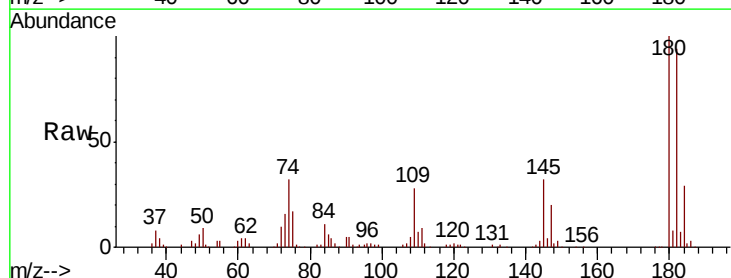


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

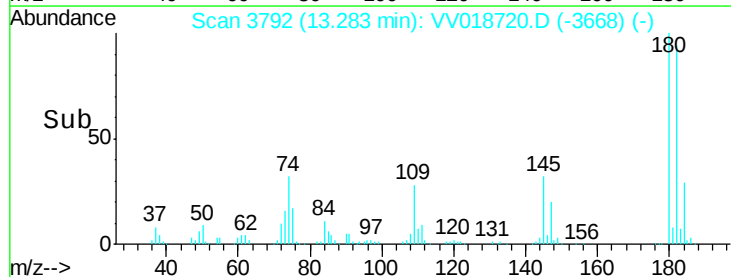
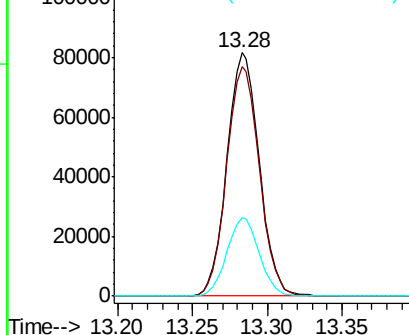


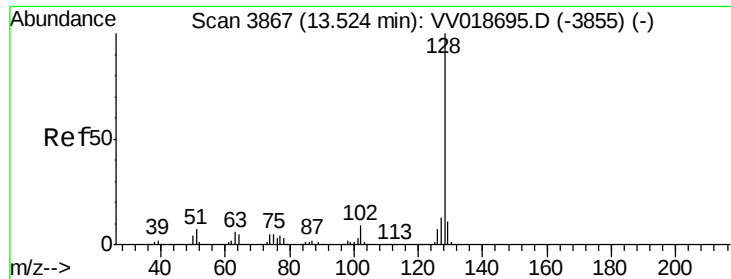
#68
 1,2,4-trichlorobenzene
 Concen: 37.675 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018720.D
 Acq: 07 Oct 2020 10:33

Tgt Ion:180 Resp: 122913
 Ion Ratio Lower Upper
 180 100
 182 95.7 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: 43.036 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

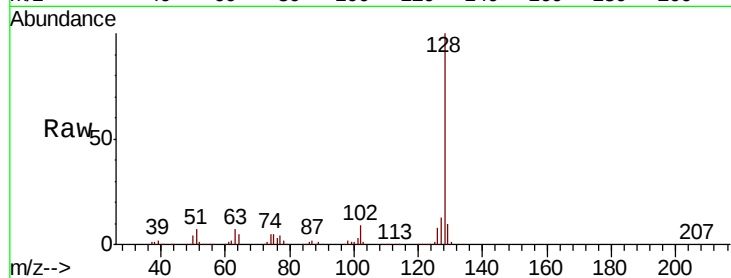
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 401910

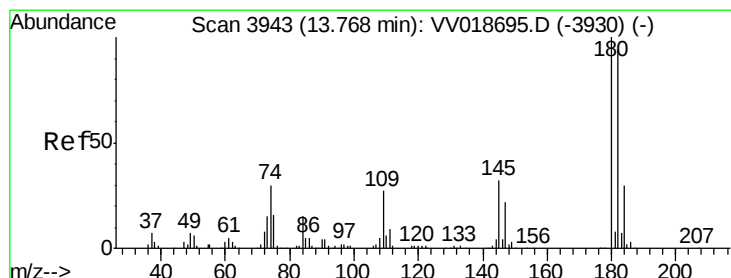
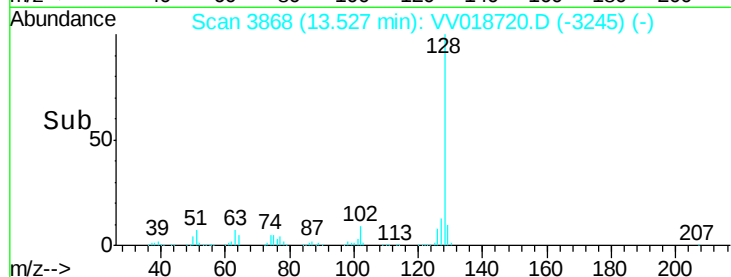
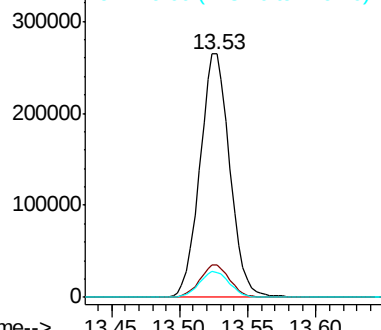
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.7	8.6	12.8



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: 40.126 ug/L

RT: 13.77 min Scan# 3943

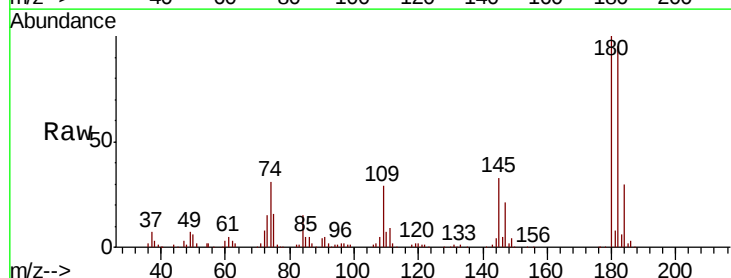
Delta R.T. 0.00 min

Lab File: VV018720.D

Acq: 07 Oct 2020 10:33

Tgt Ion:180 Resp: 131415

Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.1	115.7
145	33.8	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

