

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
 Data File : VV017200.D
 Acq On : 26 Jun 2020 23:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 27 00:28:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 27 00:23:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	349880	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	337438	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	177267	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105676	42.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.60%
7) Chloroethane-d5	1.58	69	72879	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	213609	51.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.06%
21) 2-Butanone-d5	3.91	46	161384	88.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.32%
24) Chloroform-d	4.38	84	241021	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
26) 1,2-Dichloroethane-d4	5.06	65	167184	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
32) Benzene-d6	5.08	84	441555	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
36) 1,2-Dichloropropane-d6	6.09	67	129385	42.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.34%
41) Toluene-d8	7.34	98	419233	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	7.64	79	71953	45.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.12%
47) 2-Hexanone-d5	8.11	63	112323	84.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.97%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	180783	45.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	173036	45.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	174099	62.763	ug/L 98
3) Chloromethane	1.25	50	131546	51.857	ug/L 100
5) Vinyl chloride	1.32	62	125831	50.442	ug/L 97
6) Bromomethane	1.53	94	61577	59.268	ug/L 99
8) Chloroethane	1.60	64	59426	48.226	ug/L 98
9) Trichlorofluoromethane	1.76	101	201846	54.070	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98110	52.742	ug/L 98
12) 1,1-Dichloroethene	2.14	96	92257	53.127	ug/L 92
13) Acetone	2.19	43	109839	91.233	ug/L 99
14) Carbon disulfide	2.31	76	306339	48.723	ug/L 100
15) Methyl Acetate	2.45	43	115905	43.193	ug/L 97
16) Methylene chloride	2.52	84	115952	45.503	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	109578	46.280	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	361089	46.026	ug/L 98
19) 1,1-Dichloroethane	3.21	63	201602	45.235	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	118050	45.733	ug/L 94
22) 2-Butanone	3.99	43	154798	83.378	ug/L 100

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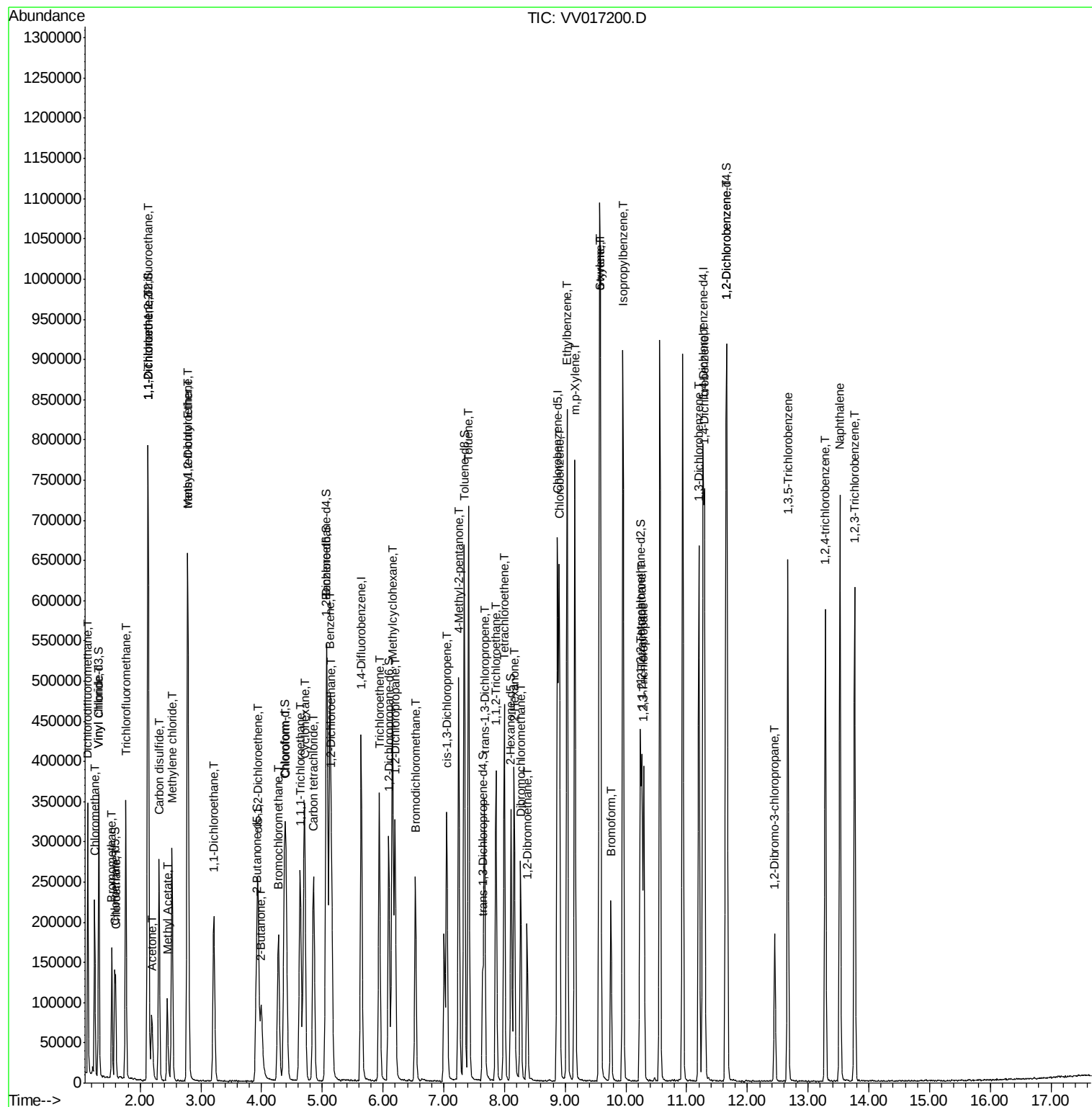
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	63403	46.628	ug/L	96
25) Chloroform	4.40	83	219554	47.935	ug/L	97
27) 1,2-Dichloroethane	5.15	62	189332	49.311	ug/L	98
29) Cyclohexane	4.70	56	179922	42.908	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	210020	48.804	ug/L	99
31) Carbon tetrachloride	4.86	117	189907	51.012	ug/L	99
33) Benzene	5.13	78	450003	45.073	ug/L	100
34) Trichloroethene	5.94	95	119444	44.608	ug/L	97
35) Methylcyclohexane	6.15	83	187546	44.647	ug/L	98
37) 1,2-Dichloropropane	6.20	63	109804	42.291	ug/L #	97
38) Bromodichloromethane	6.53	83	161144	46.624	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	175858	43.604	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	316219	85.950	ug/L	98
42) Toluene	7.41	91	487242	46.295	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	182763	46.612	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	110830	44.245	ug/L	99
46) Tetrachloroethene	8.00	164	100502	47.724	ug/L	95
48) 2-Hexanone	8.16	43	244708	85.783	ug/L	97
49) Dibromochloromethane	8.27	129	132836	49.597	ug/L	99
50) 1,2-Dibromoethane	8.37	107	120823	46.060	ug/L	100
51) Chlorobenzene	8.90	112	315313	45.919	ug/L	99
52) Ethylbenzene	9.03	91	545911	46.829	ug/L	100
53) m,p-Xylene	9.16	106	205887	47.434	ug/L	99
54) o-xylene	9.56	106	199043	46.496	ug/L	99
55) Styrene	9.58	104	344247	47.564	ug/L	100
56) Isopropylbenzene	9.95	105	545974	47.466	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	169945	44.250	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	145836	45.271	ug/L	99
61) Bromoform	9.75	173	97196	53.307	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	255257	45.463	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	258237	45.204	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	258897	46.012	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	43599	49.279	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	189027	45.149	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	169735	44.199	ug/L	99
69) Naphthalene	13.52	128	533537	48.299	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	178029	47.379	ug/L	98

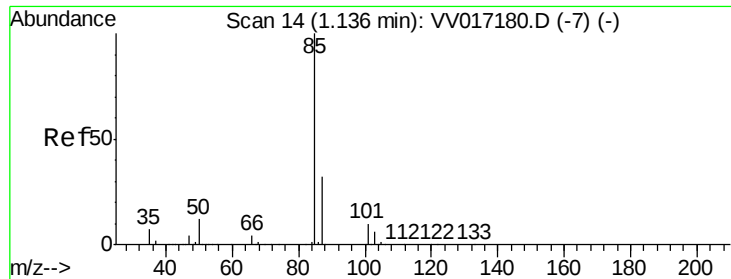
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 62.763 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

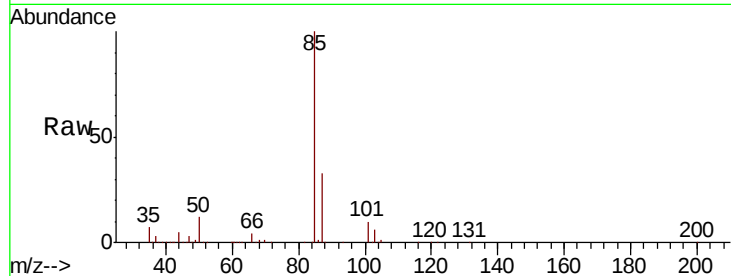
ClientSampleId :

Tot Ion: 85 Resp: 174099

Ion Ratio Lower Upper

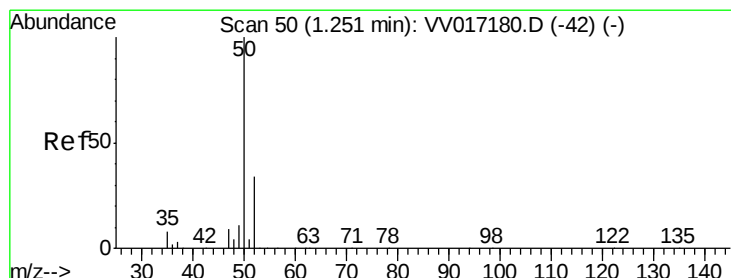
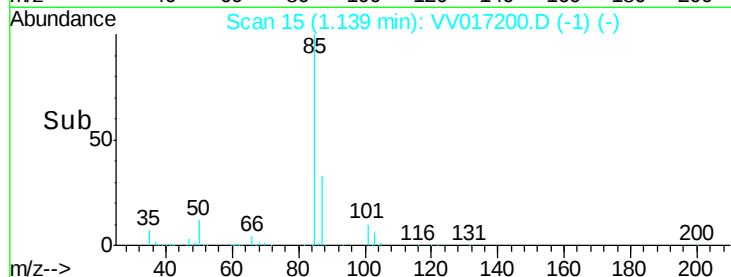
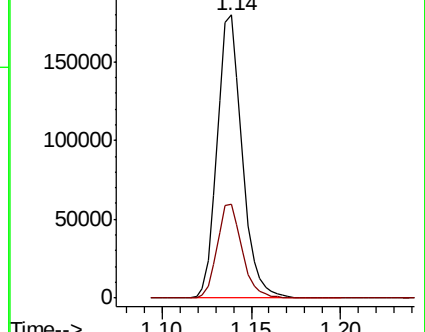
85 100

87 33.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV017200.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017200.D (-1) (-)



#3

Chloromethane

Concen: 51.857 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017200.D

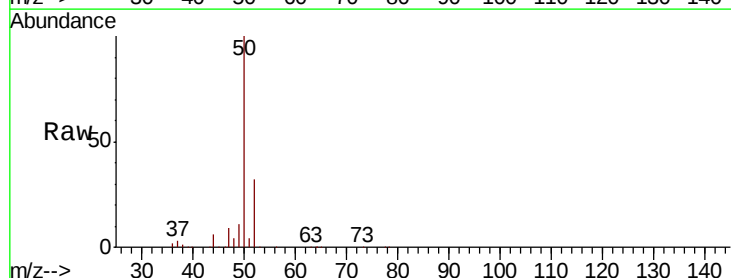
Acq: 26 Jun 2020 23:15

Tgt Ion: 50 Resp: 131546

Ion Ratio Lower Upper

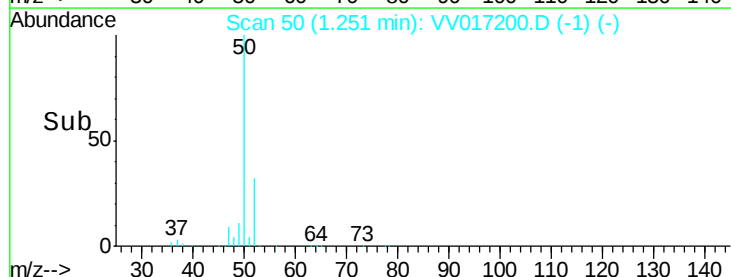
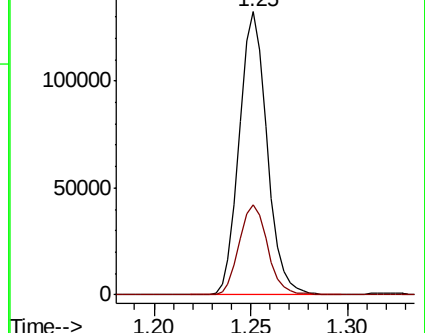
50 100

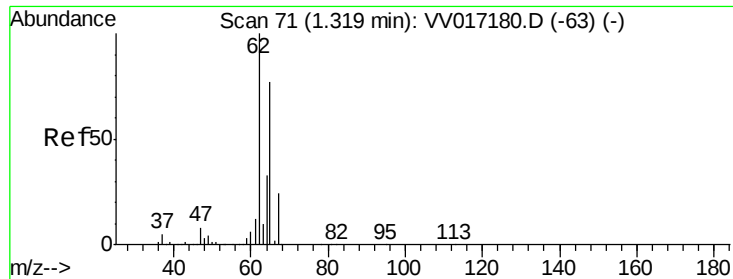
52 31.9 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV017200.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV017200.D (-1) (-)





#5

Vinyl chloride

Concen: 50.442 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

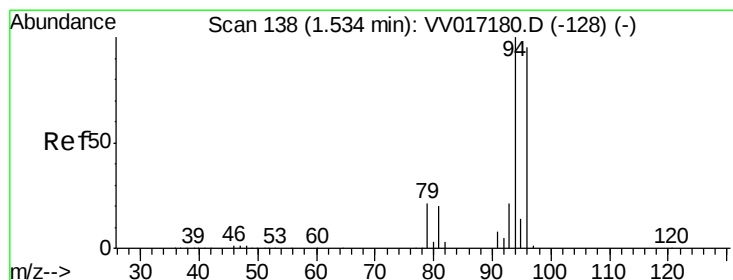
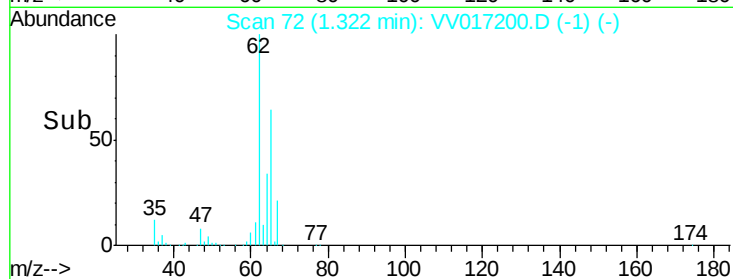
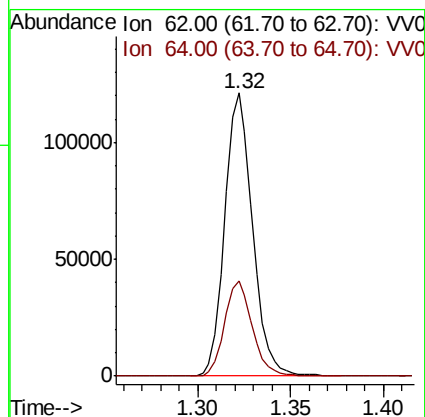
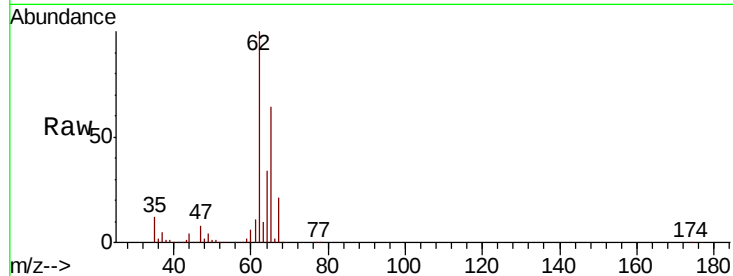
ClientSampleId :

Tot Ion: 62 Resp: 125831

Ion Ratio Lower Upper

62 100

64 33.6 22.3 41.5



#6

Bromomethane

Concen: 59.268 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017200.D

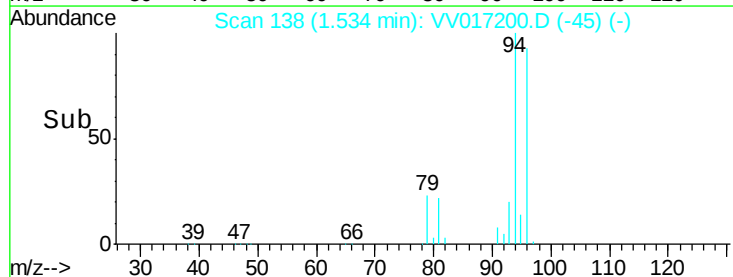
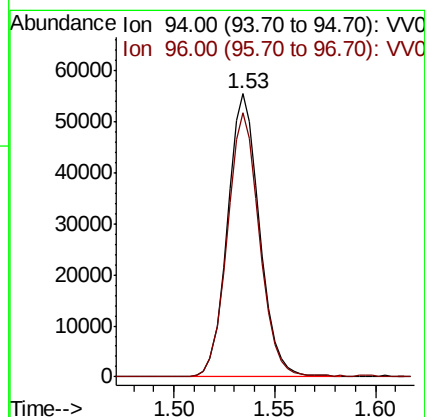
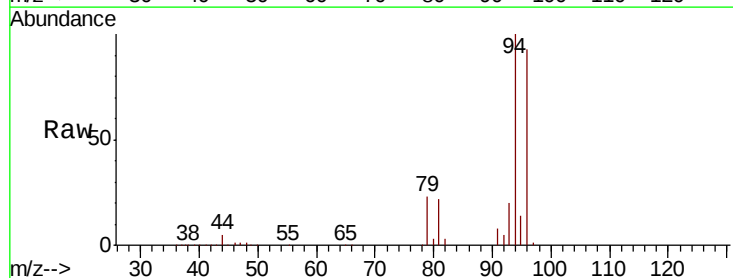
Acq: 26 Jun 2020 23:15

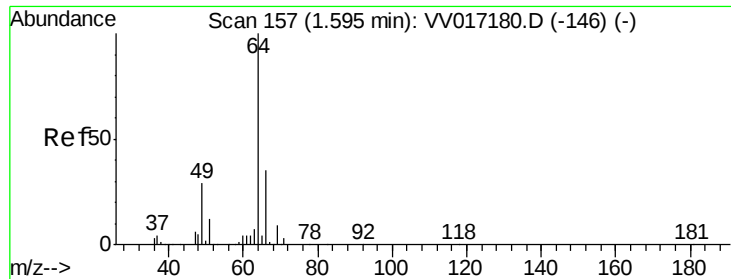
Tgt Ion: 94 Resp: 61577

Ion Ratio Lower Upper

94 100

96 93.2 64.5 119.9

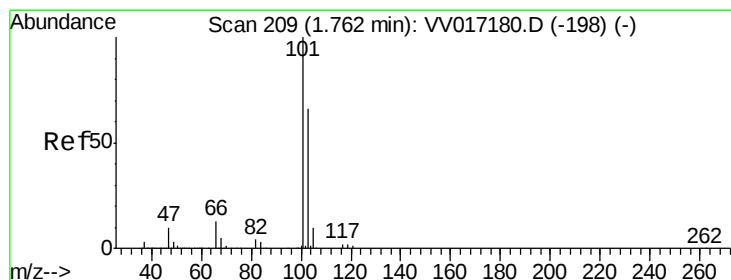
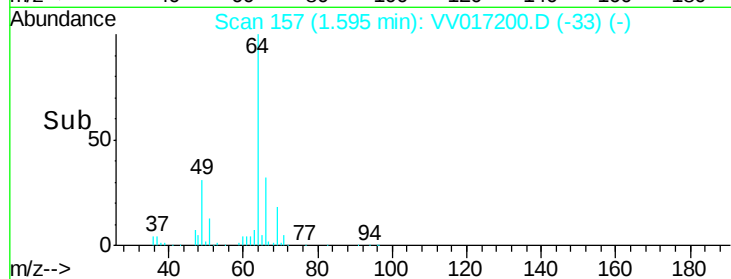
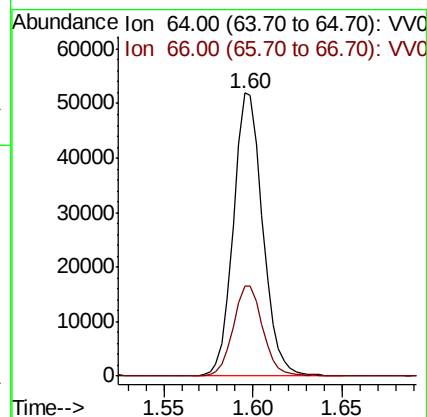
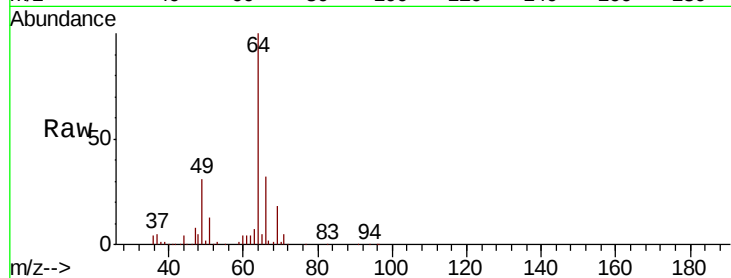




#8
Chloroethane
Concen: 48.226 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

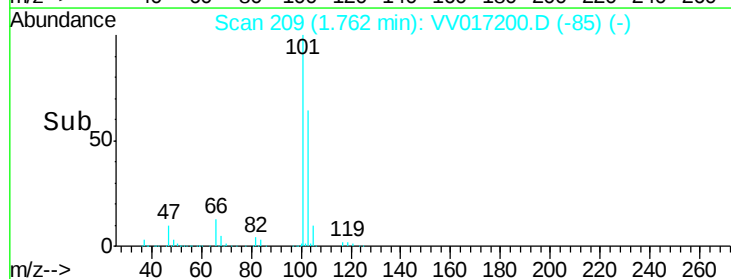
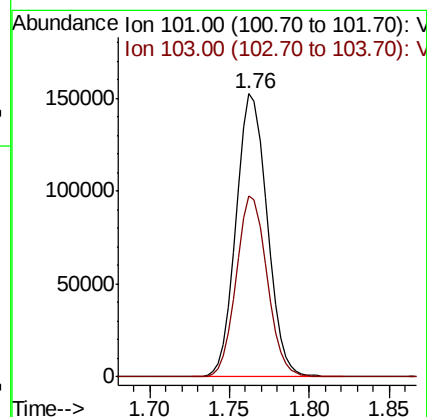
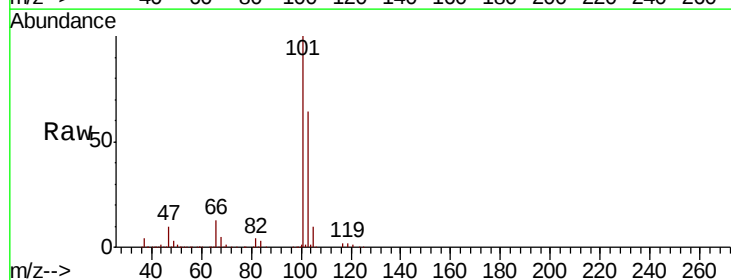
Instrument :
MSVOA_V
ClientSampleId :

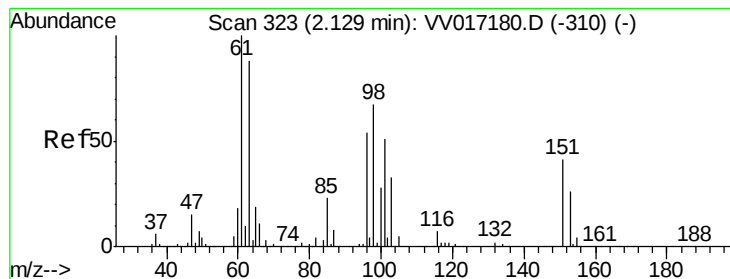
Tot Ion: 64 Resp: 59426
Ion Ratio Lower Upper
64 100
66 31.8 23.2 43.0



#9
Trichlorofluoromethane
Concen: 54.070 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

Tgt Ion:101 Resp: 201846
Ion Ratio Lower Upper
101 100
103 63.4 51.3 76.9





#10

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

Concen: 52.742 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

ClientSampleId :

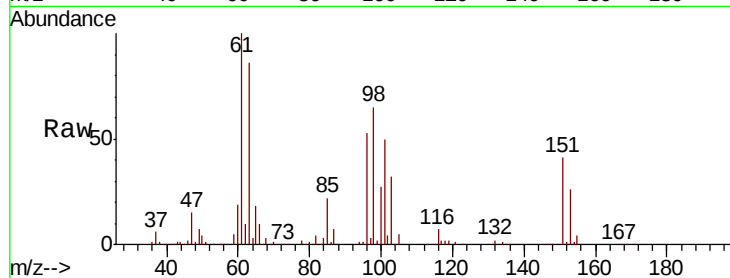
Tot Ion:101 Resp: 98110

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

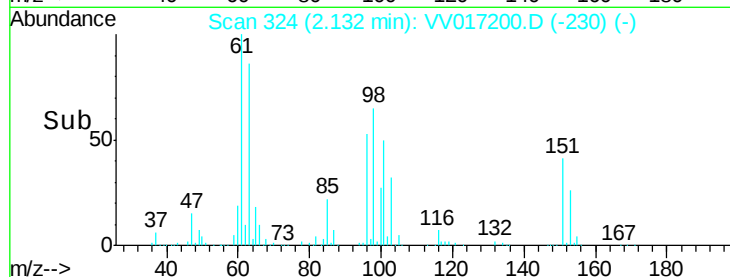
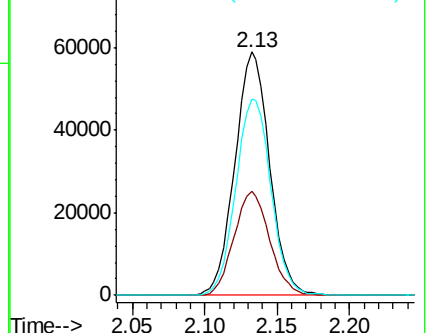
151 81.7 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.127 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

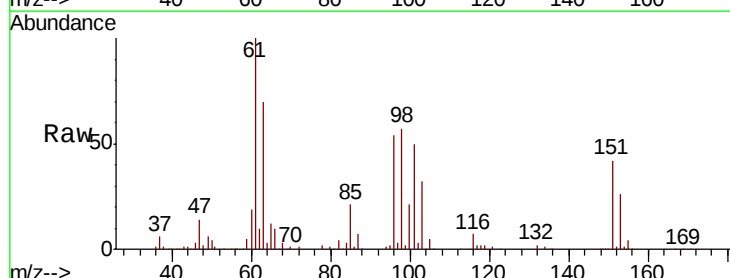
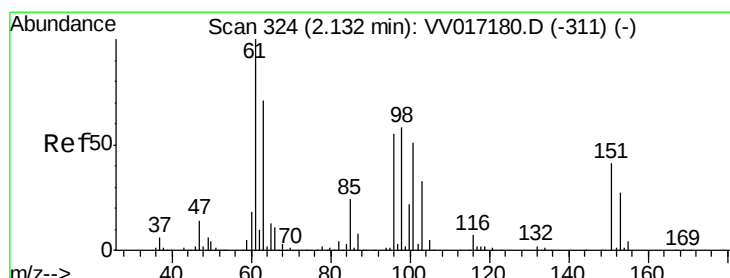
Tgt Ion: 96 Resp: 92257

Ion Ratio Lower Upper

96 100

61 184.1 130.4 242.2

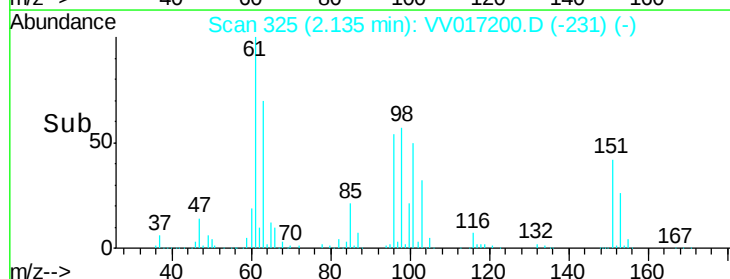
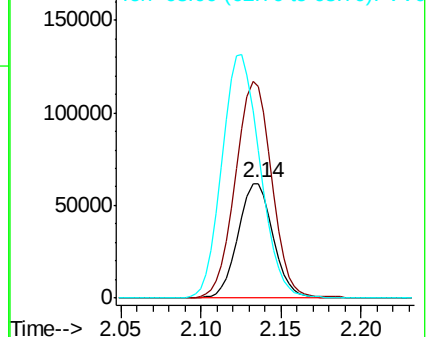
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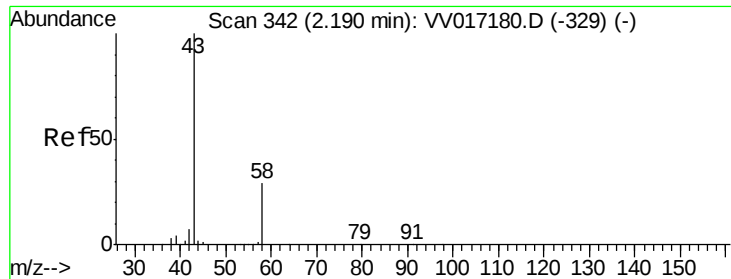


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.233 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

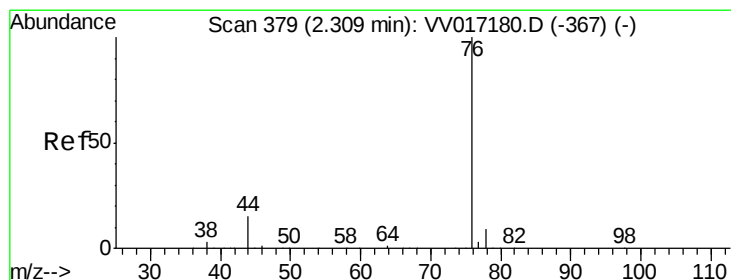
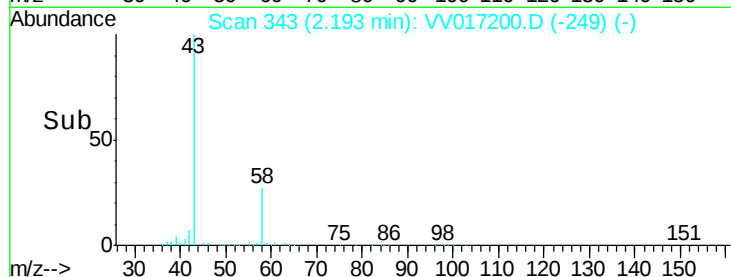
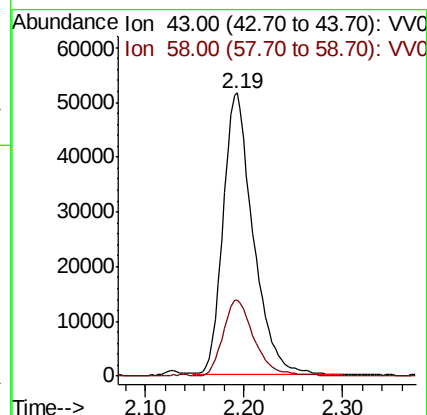
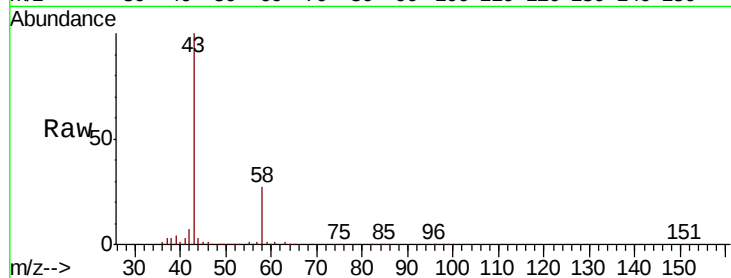
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 109839

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.2



#14

Carbon disulfide

Concen: 48.723 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017200.D

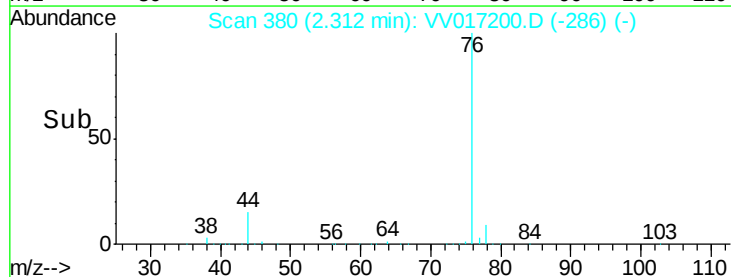
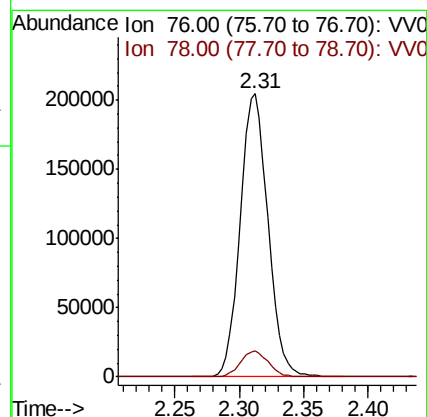
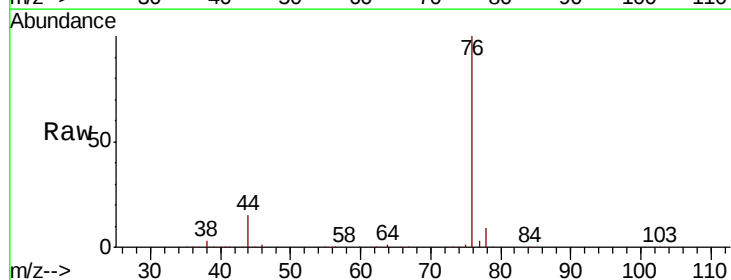
Acq: 26 Jun 2020 23:15

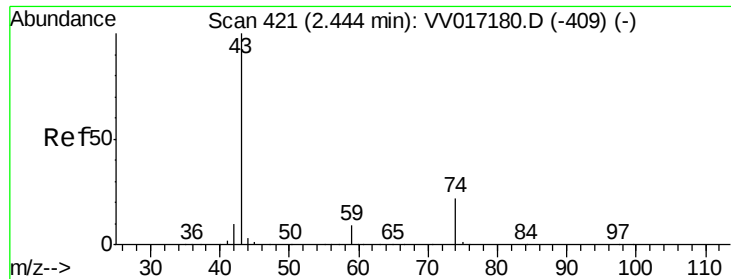
Tgt Ion: 76 Resp: 306339

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

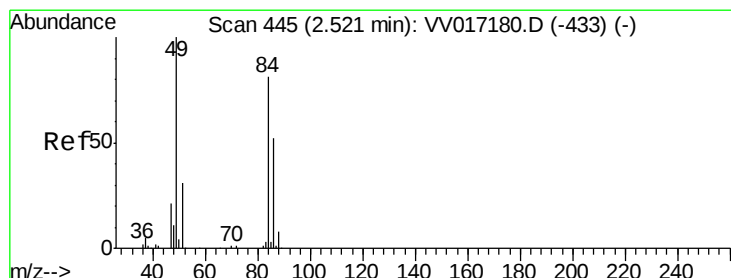
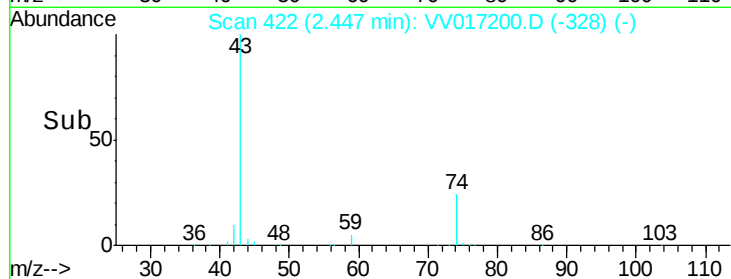
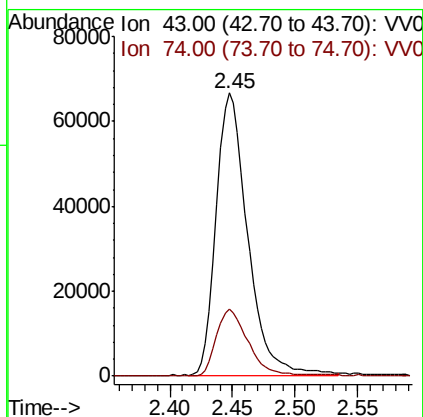
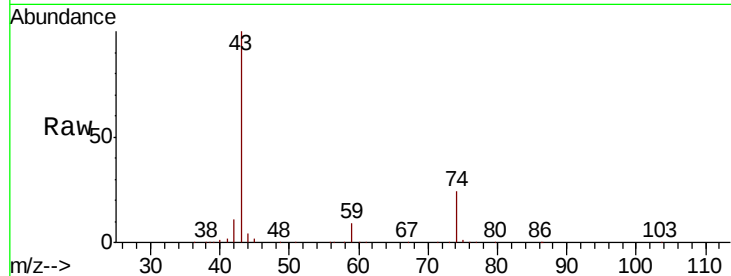




#15
Methvl Acetate
Concen: 43.193 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

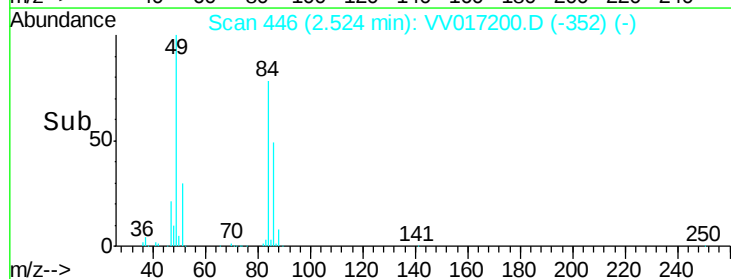
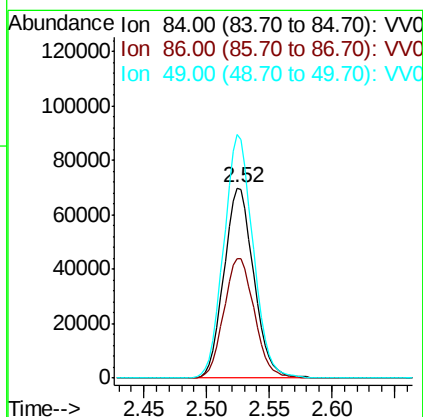
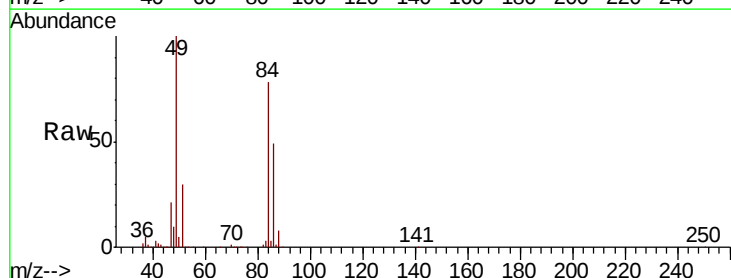
Instrument :
MSVOA_V
ClientSampleId :

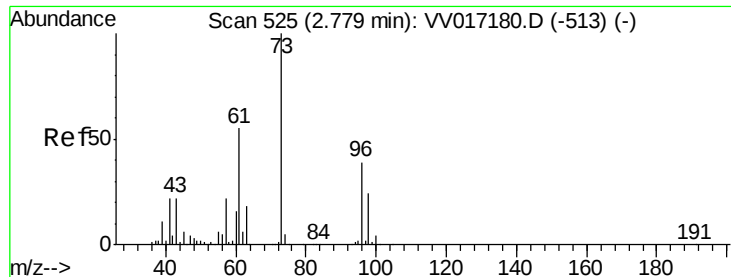
Tot Ion: 43 Resp: 115905
Ion Ratio Lower Upper
43 100
74 24.0 17.9 26.9



#16
Methylene chloride
Concen: 45.503 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

Tgt Ion: 84 Resp: 115952
Ion Ratio Lower Upper
84 100
86 63.0 44.0 81.8
49 127.8 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 46.280 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :
MSVOA_V
ClientSampleId :

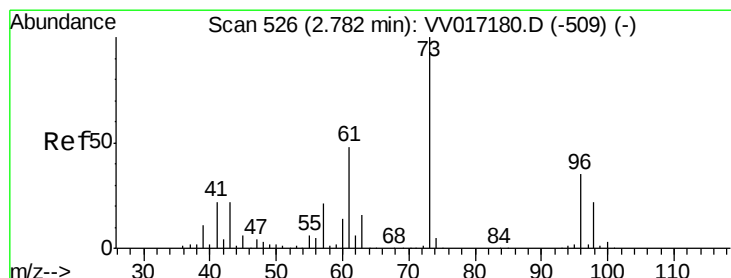
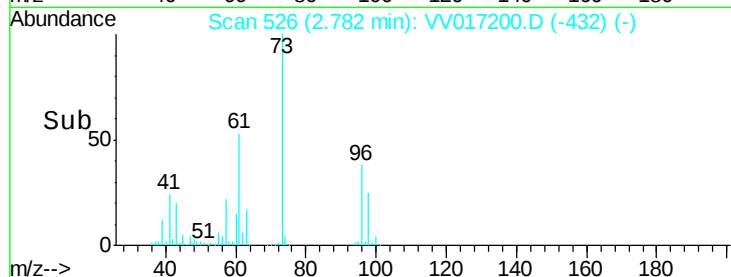
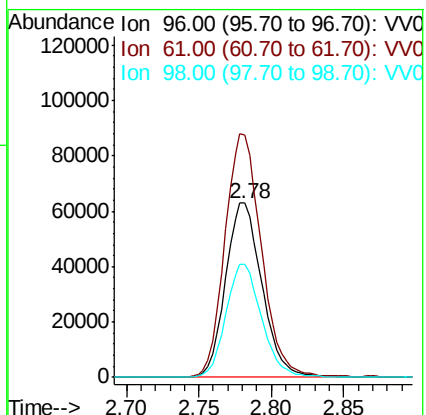
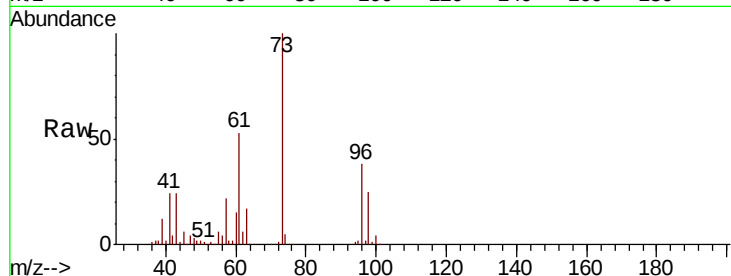
Tot Ion: 96 Resp: 109578

Ion Ratio Lower Upper

96 100

61 139.3 102.9 191.1

98 64.9 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 46.026 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

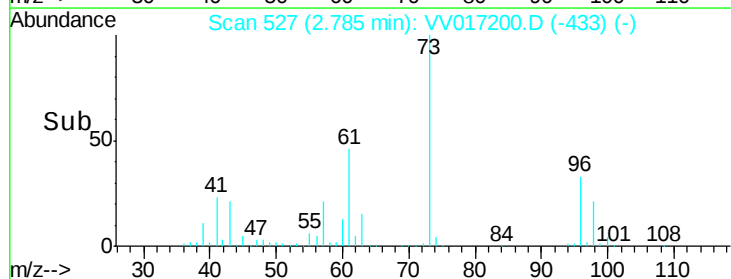
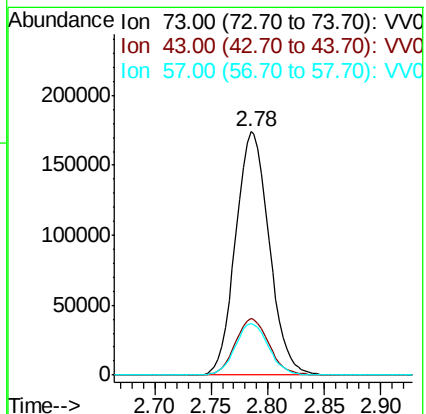
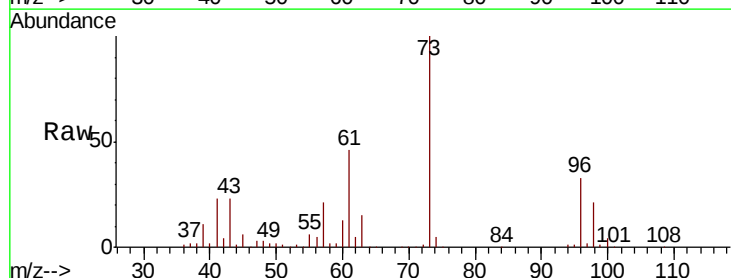
Tgt Ion: 73 Resp: 361089

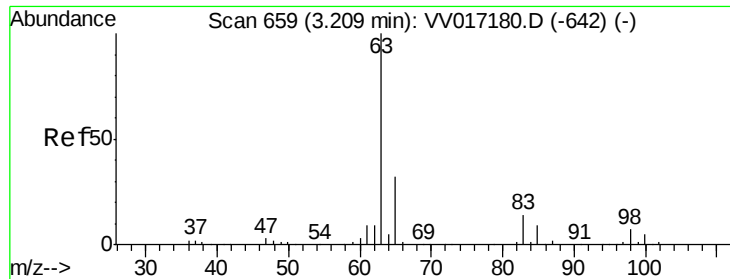
Ion Ratio Lower Upper

73 100

43 23.2 17.8 26.6

57 21.1 17.7 26.5

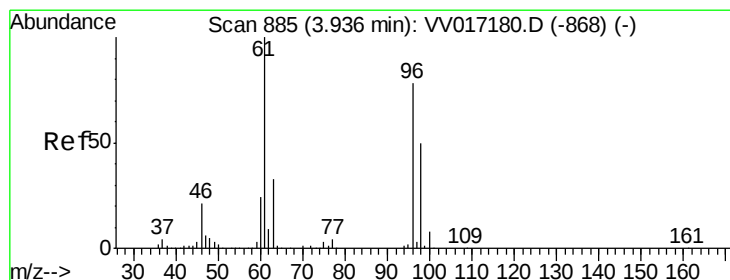
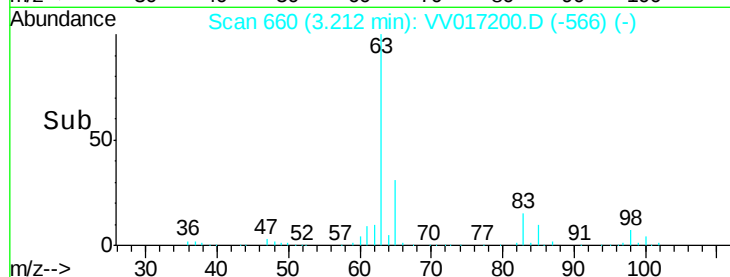
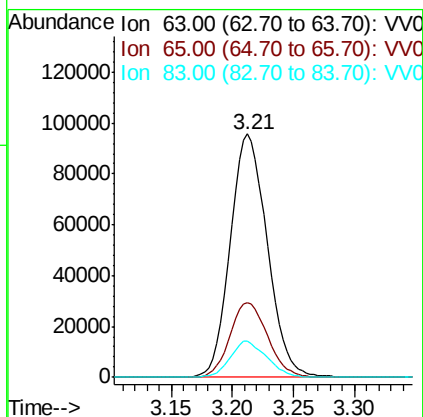
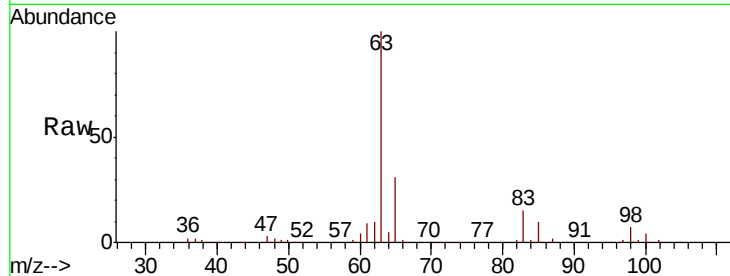




#19
 1,1-Dichloroethane
 Concen: 45.235 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

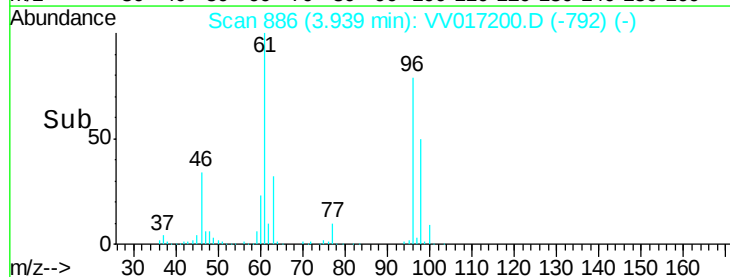
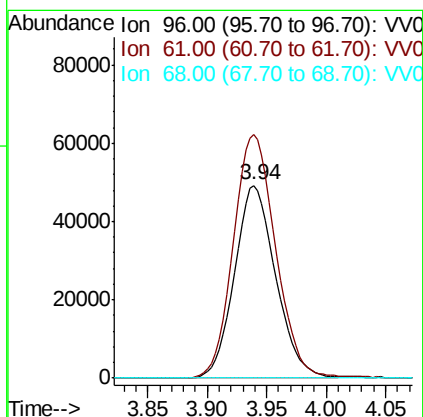
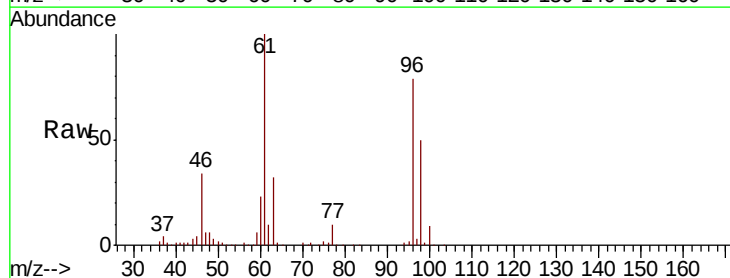
Instrument :
 MSVOA_V
 ClientSampleId :

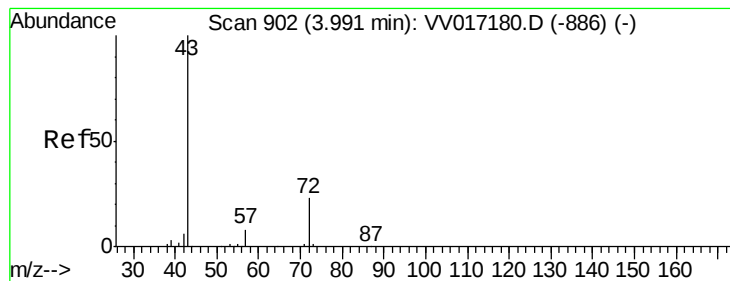
Tot Ion: 63 Resp: 201602
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.2 43.0
 83 14.8 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 45.733 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Tgt Ion: 96 Resp: 118050
 Ion Ratio Lower Upper
 96 100
 61 126.2 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 83.378 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

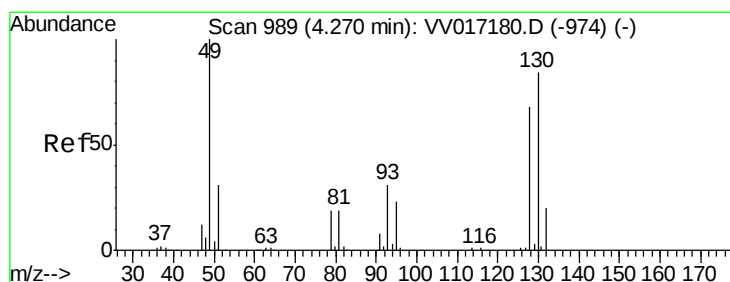
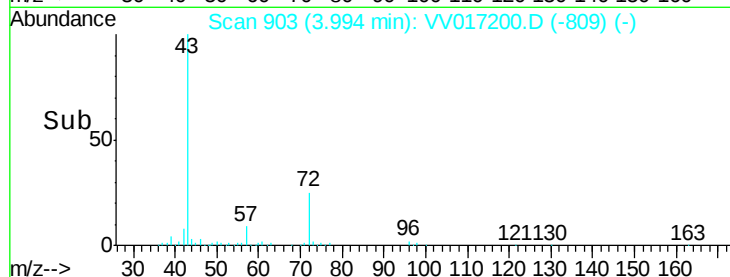
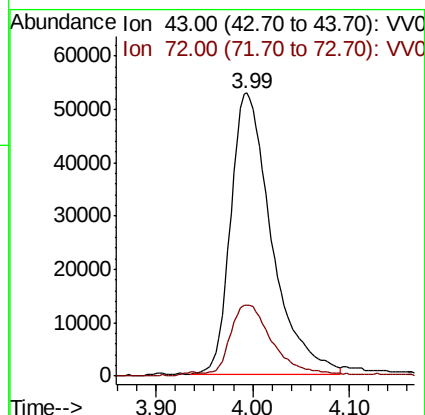
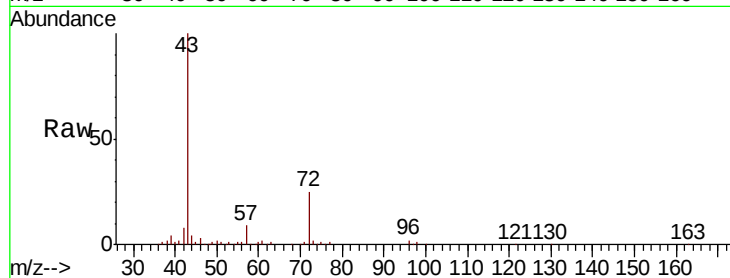
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 154798

Ion Ratio Lower Upper

43 100

72 24.9 12.4 37.4



#23

Bromochloromethane

Concen: 46.628 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Tgt Ion: 128 Resp: 63403

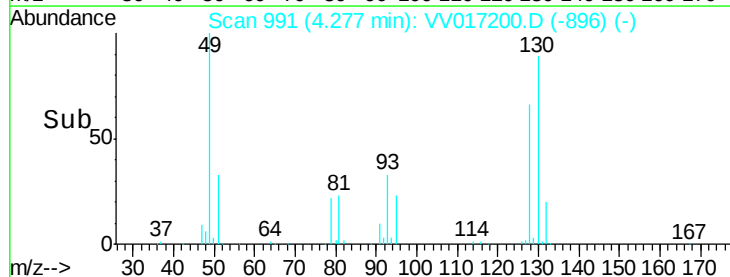
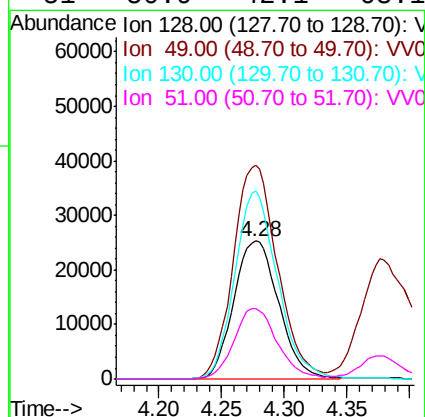
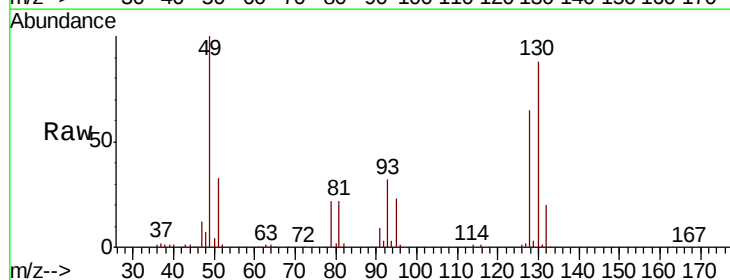
Ion Ratio Lower Upper

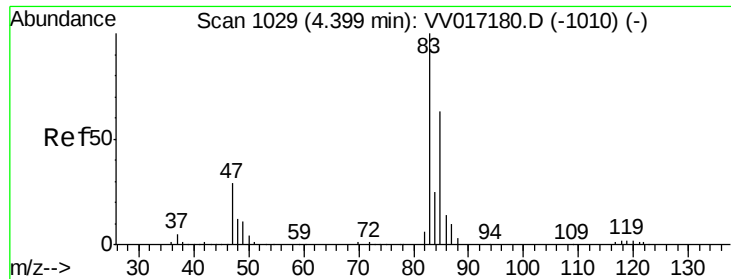
128 100

49 154.6 111.9 207.9

130 136.2 91.5 169.9

51 50.9 42.1 63.1

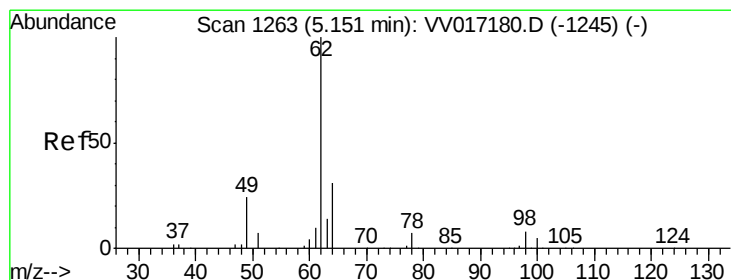
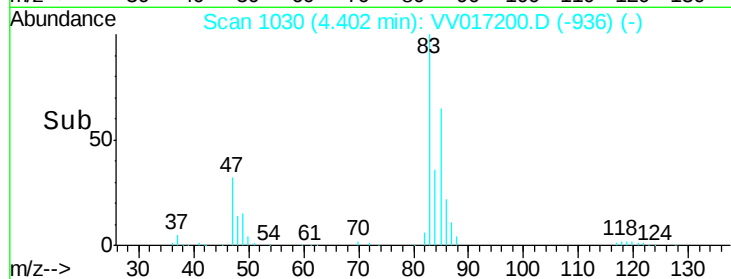
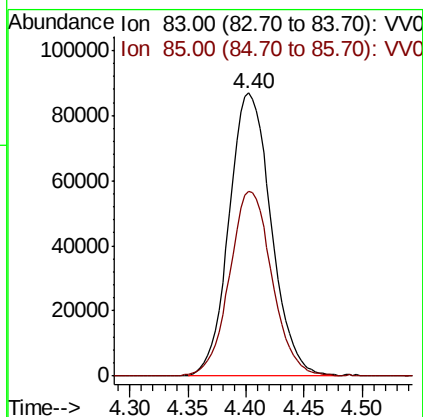
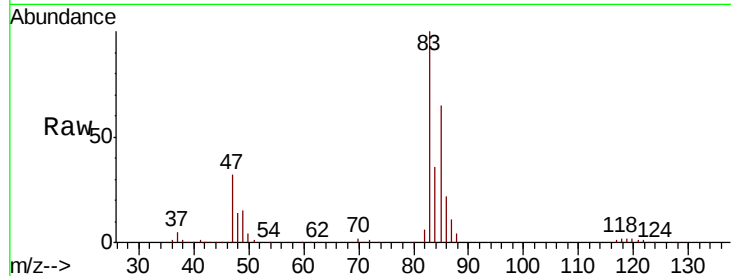




#25
Chloroform
Concen: 47.935 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

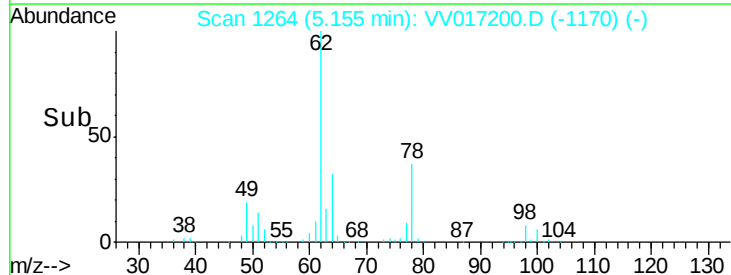
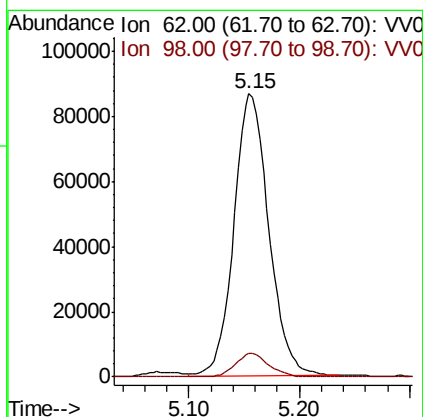
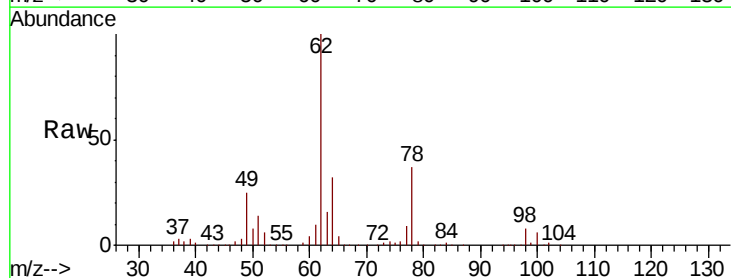
Instrument :
MSVOA_V
ClientSampleId :

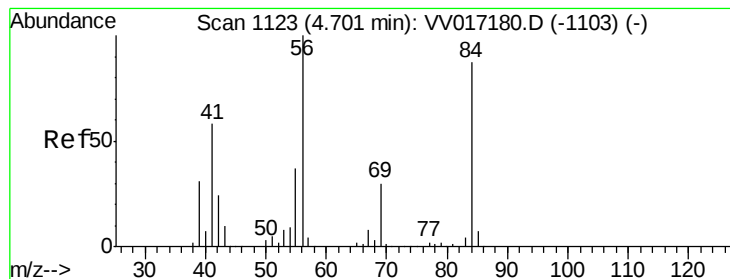
Tot Ion: 83 Resp: 219554
Ion Ratio Lower Upper
83 100
85 65.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 49.311 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

Tgt Ion: 62 Resp: 189332
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.2





#29

Cyclohexane

Concen: 42.908 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :
MSVOA_V
ClientSampleId :

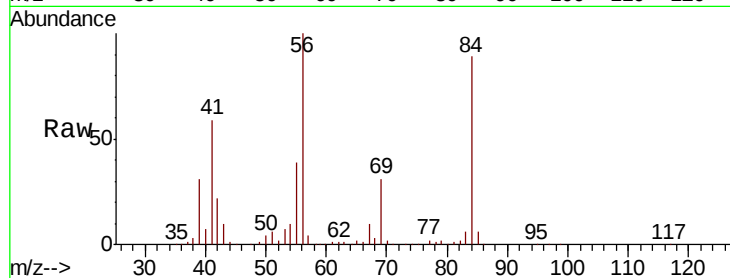
Tot Ion: 56 Resp: 179922

Ion Ratio Lower Upper

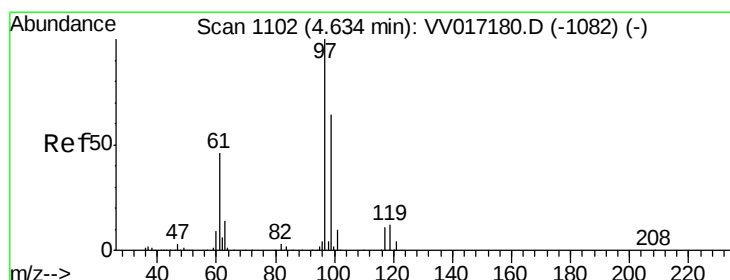
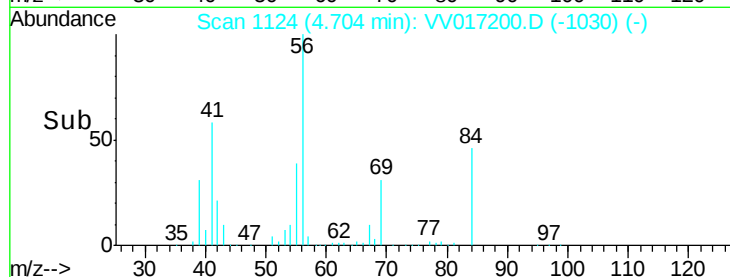
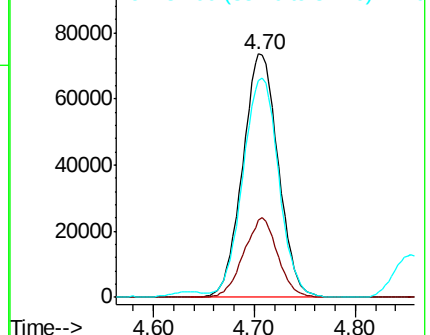
56 100

69 31.1 25.0 37.4

84 91.4 69.5 104.3



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: 48.804 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

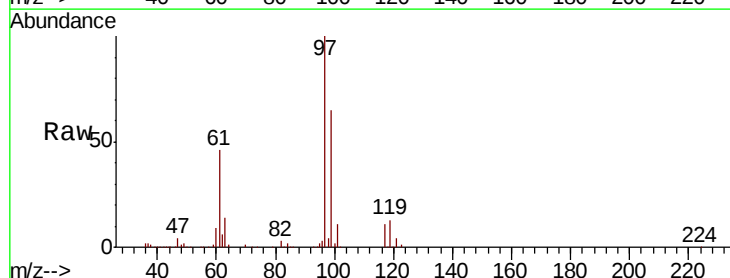
Tgt Ion: 97 Resp: 210020

Ion Ratio Lower Upper

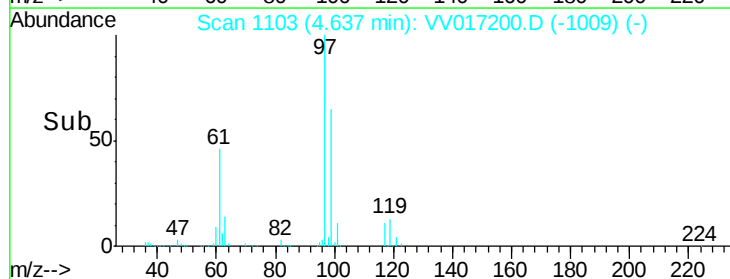
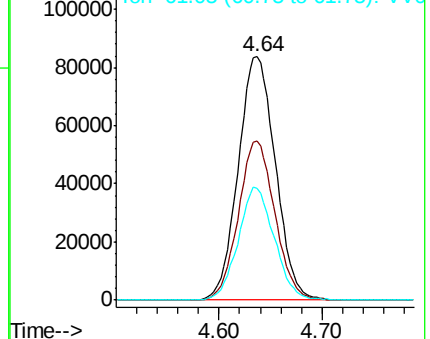
97 100

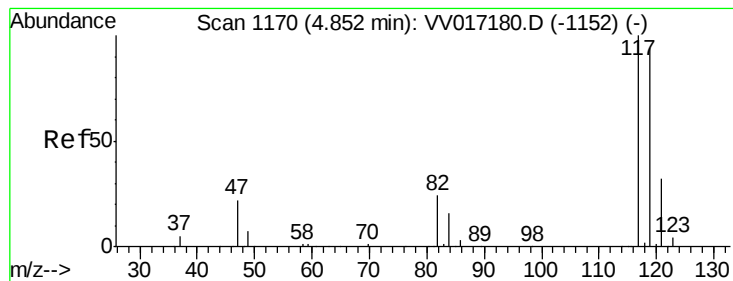
99 64.3 51.3 76.9

61 44.9 36.7 55.1



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





#31

Carbon tetrachloride

Concen: 51.012 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

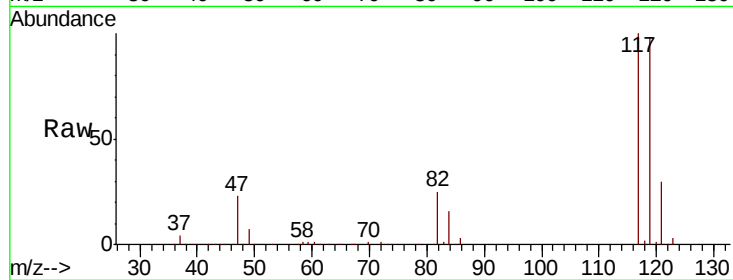
ClientSampleId :

Tot Ion:117 Resp: 189907

Ion Ratio Lower Upper

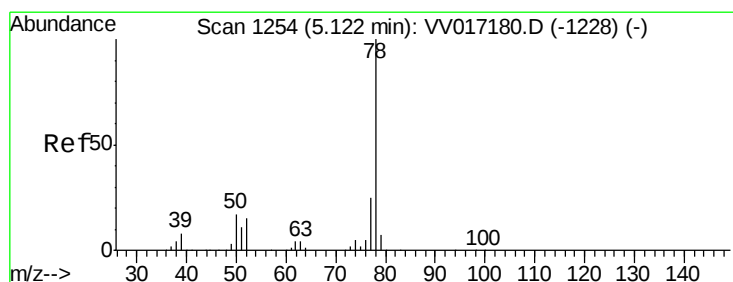
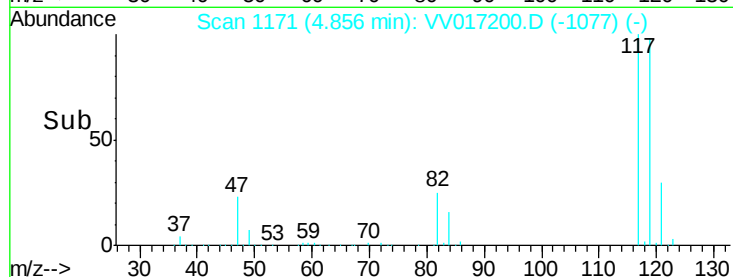
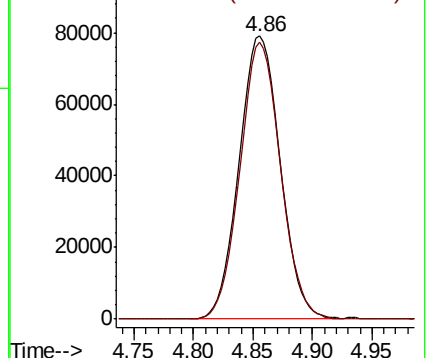
117 100

119 96.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.073 ug/L

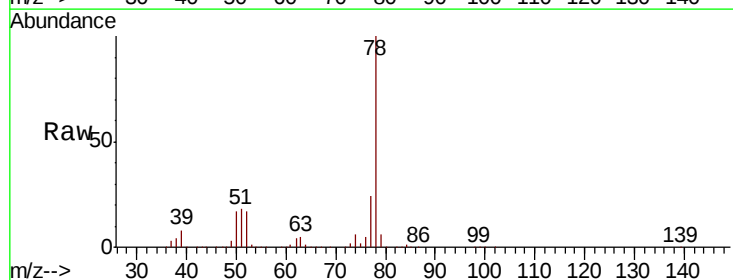
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

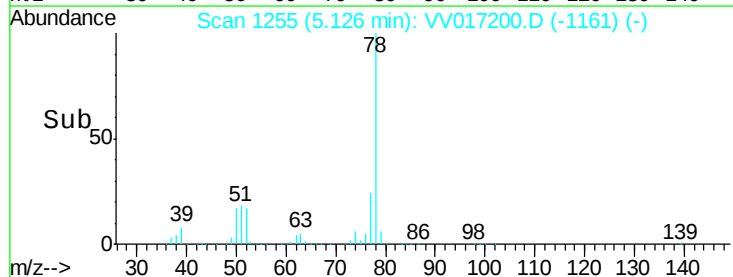
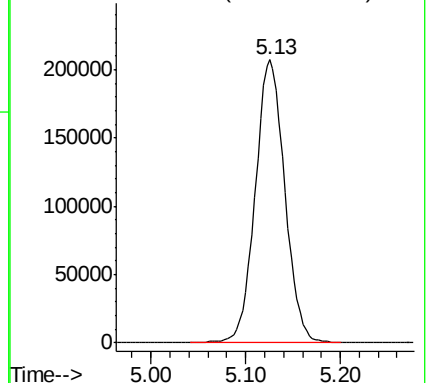
Lab File: VV017200.D

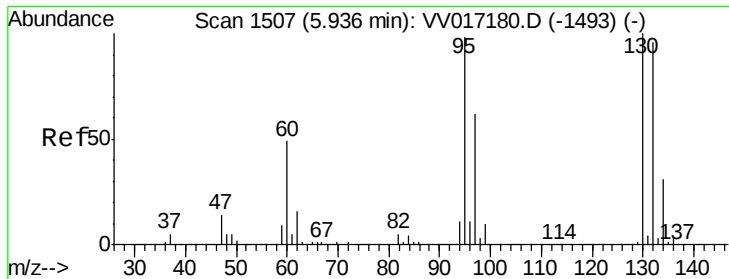
Acq: 26 Jun 2020 23:15

Tgt Ion: 78 Resp: 450003



Abundance Ion 78.00 (77.70 to 78.70): VV0

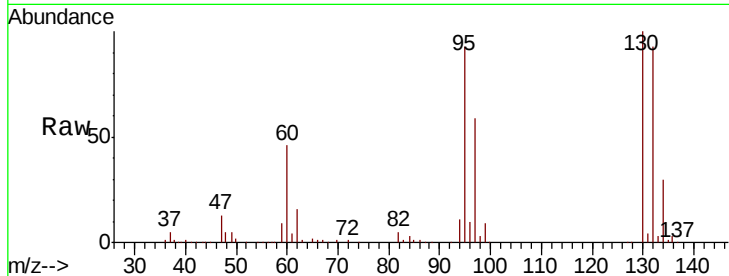




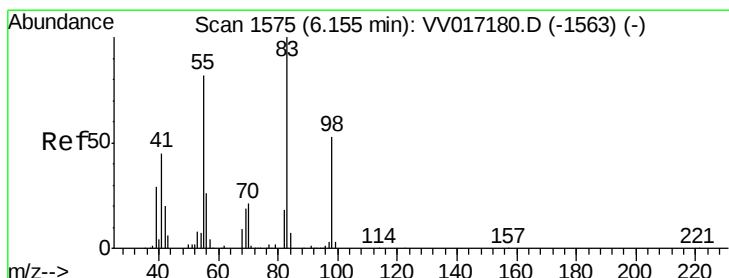
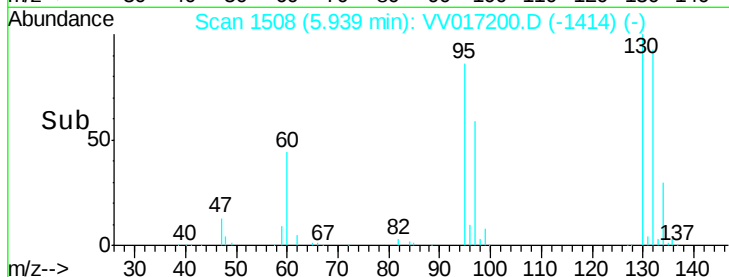
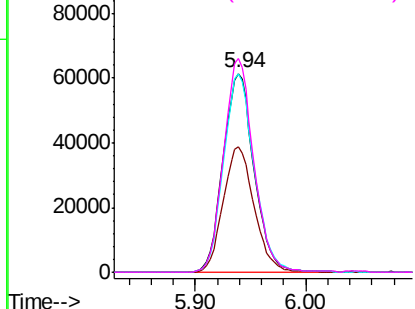
#34
 Trichloroethene
 Concen: 44.608 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 119444
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.3 82.3
 132 100.0 67.9 126.1
 130 107.4 72.2 134.2

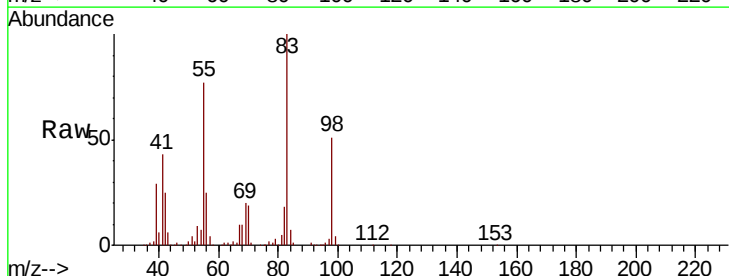


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

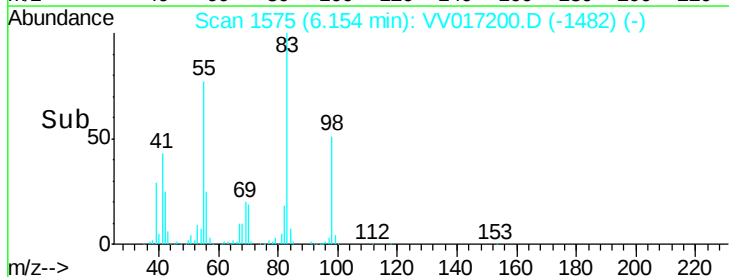
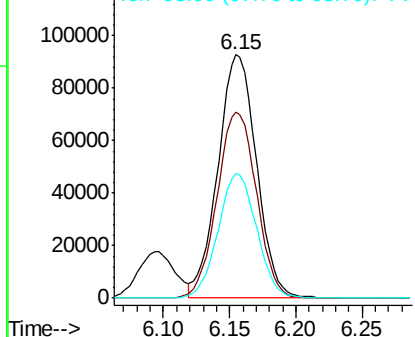


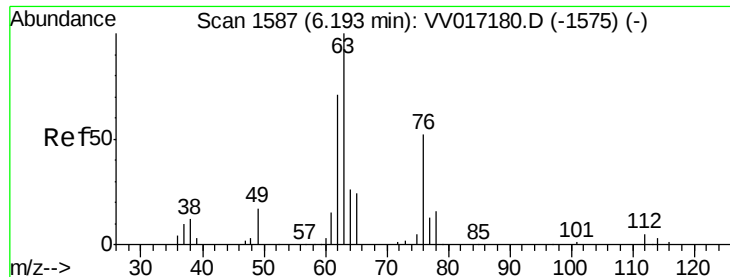
#35
 Methylcyclohexane
 Concen: 44.647 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Tgt Ion: 83 Resp: 187546
 Ion Ratio Lower Upper
 83 100
 55 78.1 64.2 96.2
 98 51.3 40.3 60.5



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

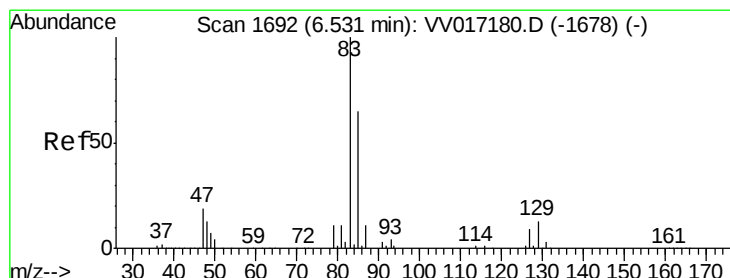
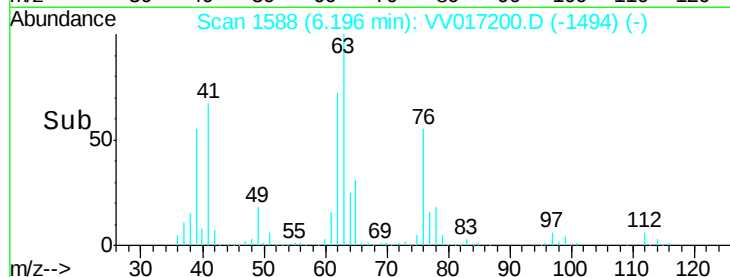
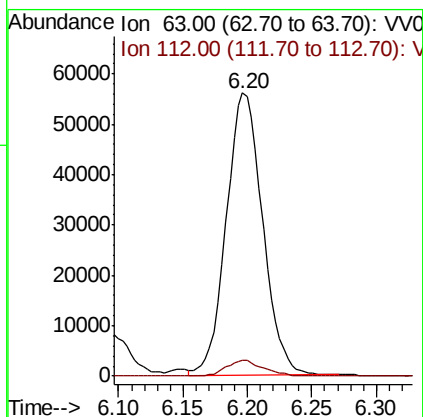
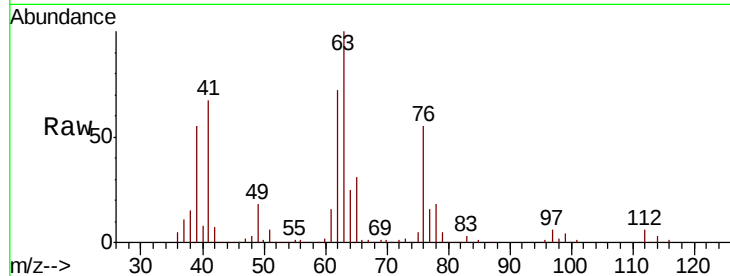




#37
 1,2-Dichloropropane
 Concen: 42.291 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

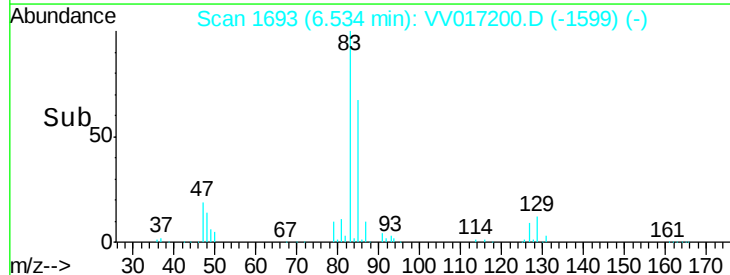
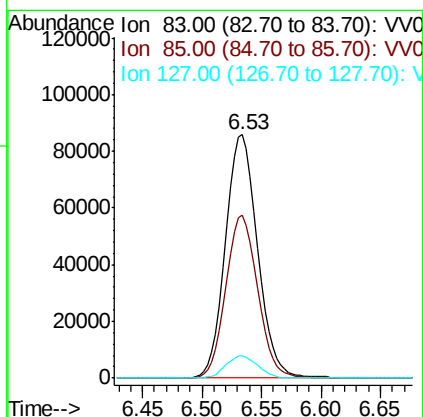
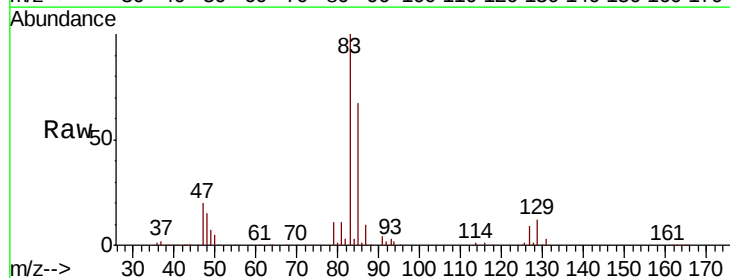
Instrument :
 MSVOA_V
 ClientSampleId :

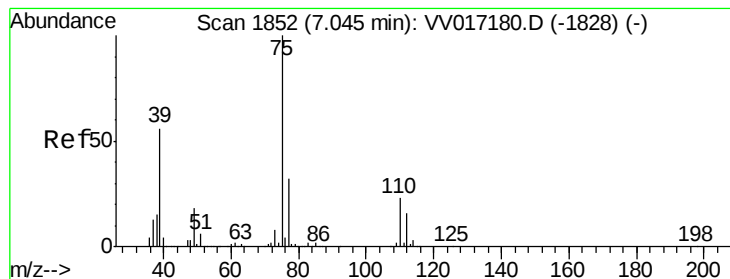
Tot Ion: 63 Resp: 109804
 Ion Ratio Lower Upper
 63 100
 112 5.7 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 46.624 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Tgt Ion: 83 Resp: 161144
 Ion Ratio Lower Upper
 83 100
 85 66.8 44.4 82.5
 127 9.0 7.4 11.0



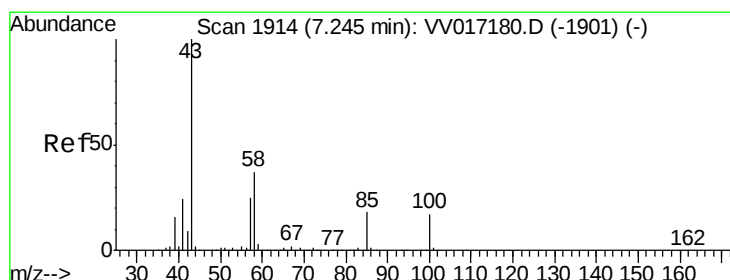
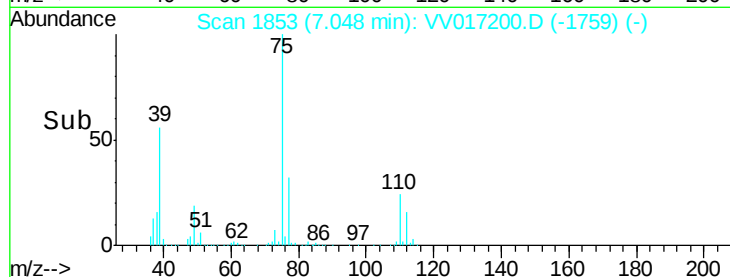
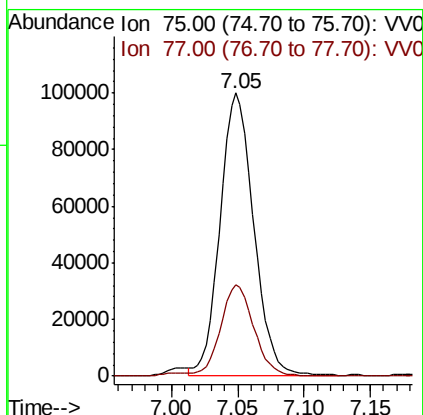
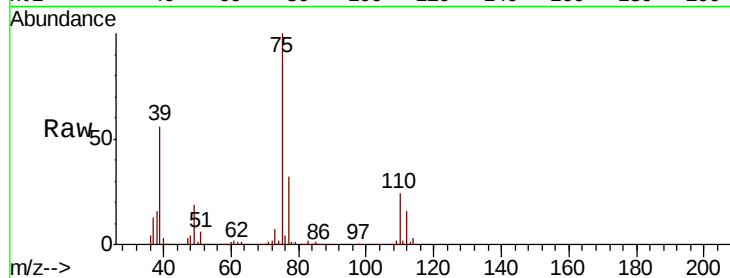


#39

cis-1,3-Dichloropropene
 Concen: 43.604 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Instrument :
 MSVOA_V
 ClientSampled :

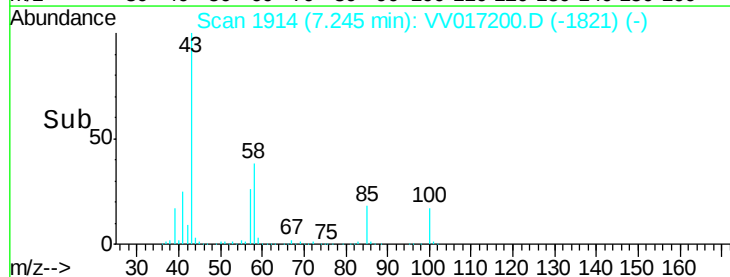
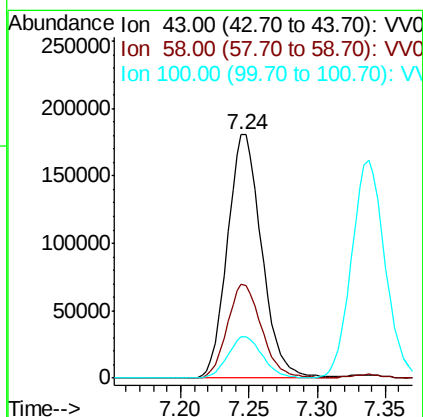
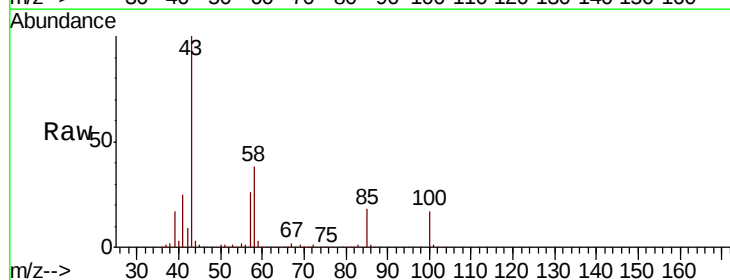
Tot Ion: 75 Resp: 175858
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.7 42.1

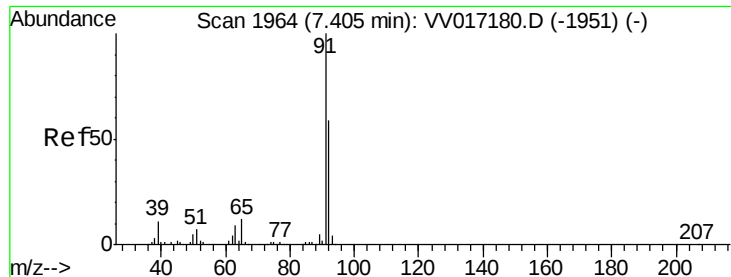


#40

4-Methyl-2-pentanone
 Concen: 85.950 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Tgt Ion: 43 Resp: 316219
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.2 45.4
 100 17.0 12.3 18.5





#42

Toluene

Concen: 46.295 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

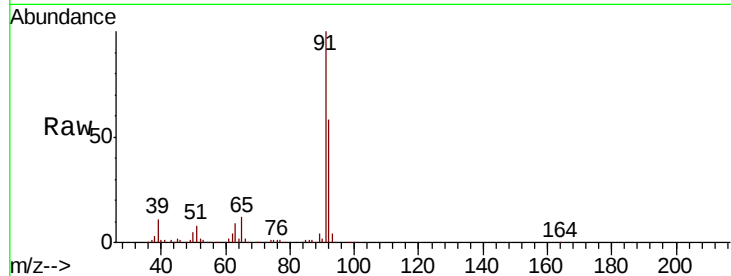
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 487242

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV017180.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017180.D (-1951) (-)

7.41

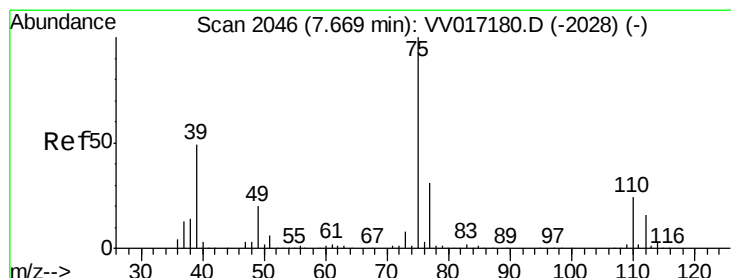
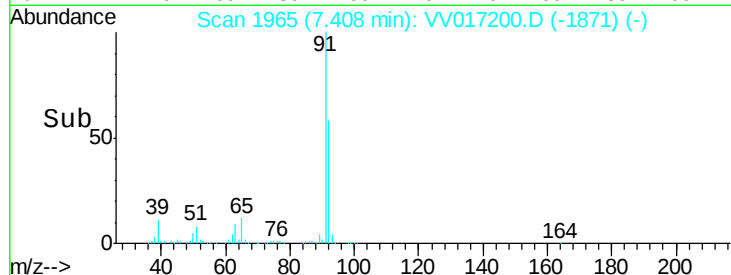
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.612 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017200.D

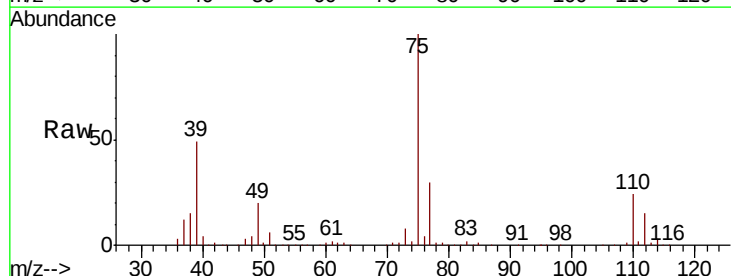
Acq: 26 Jun 2020 23:15

Tgt Ion: 75 Resp: 182763

Ion Ratio Lower Upper

75 100

77 30.2 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV017180.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV017180.D (-2028) (-)

7.67

120000

100000

80000

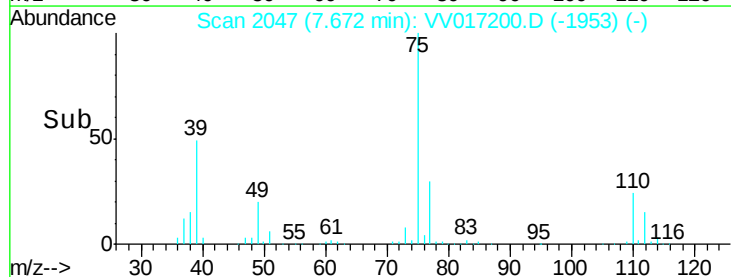
60000

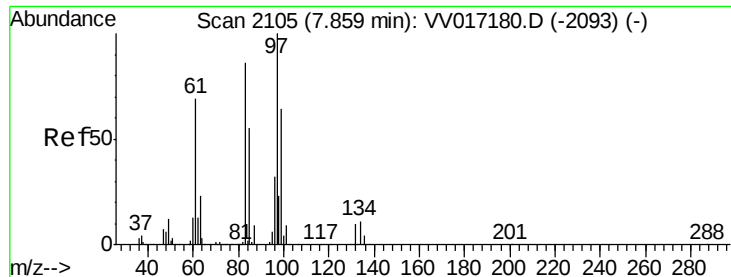
40000

20000

0

Time-->

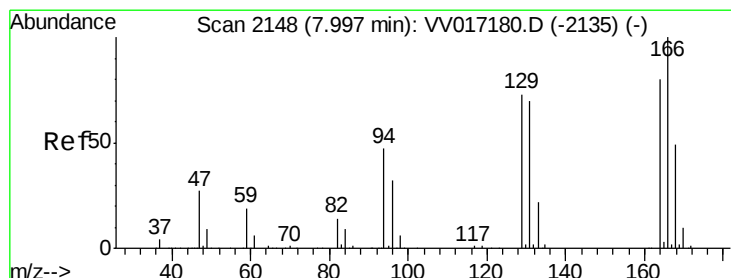
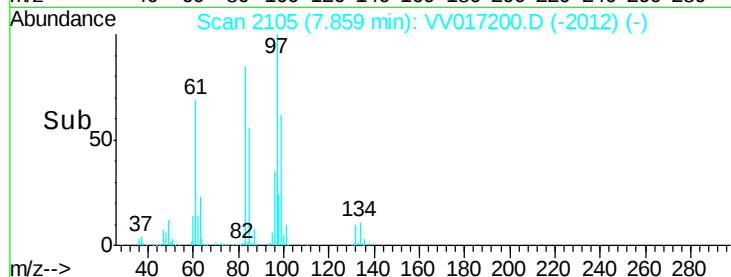
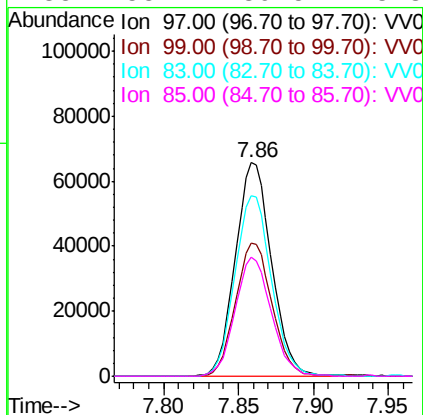
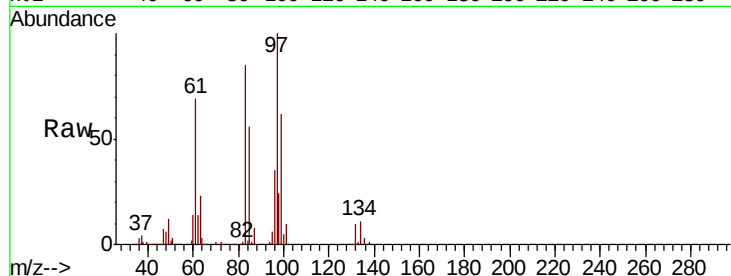




#45
 1,1,2-Trichloroethane
 Concen: 44.245 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

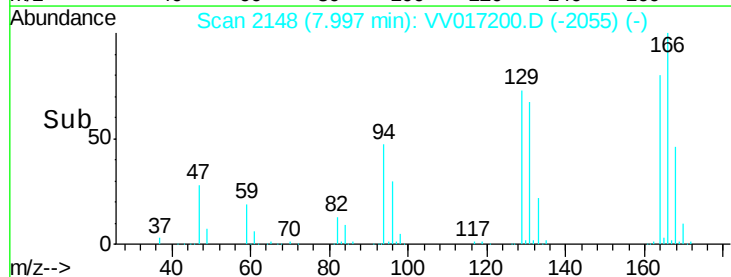
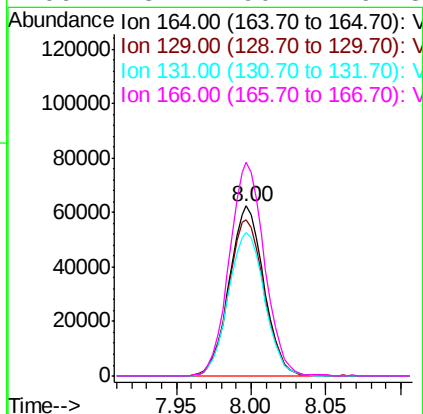
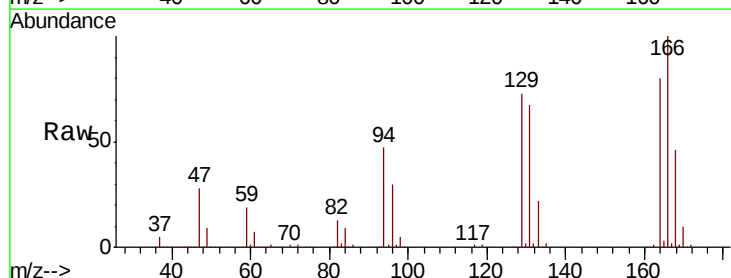
Instrument :
 MSVOA_V
 ClientSampleId :

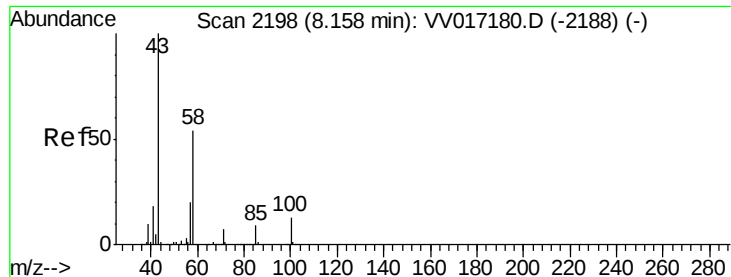
Tot Ion:	97	Resp:	110830
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.3	82.3
83	84.7	60.0	111.4
85	55.7	39.5	73.3



#46
 Tetrachloroethene
 Concen: 47.724 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Tgt Ion:	164	Resp:	100502
Ion	Ratio	Lower	Upper
164	100		
129	92.3	67.0	124.4
131	84.7	64.8	120.3
166	125.7	90.4	167.8

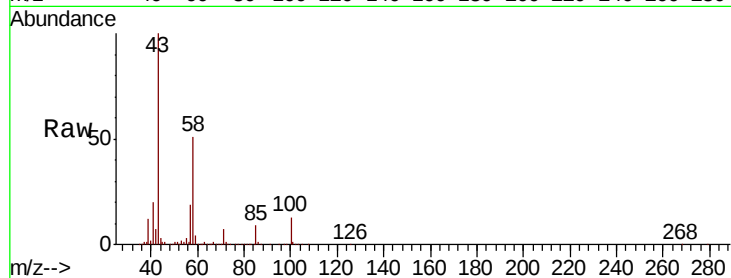




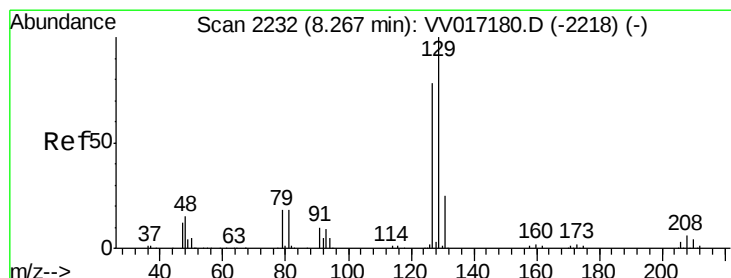
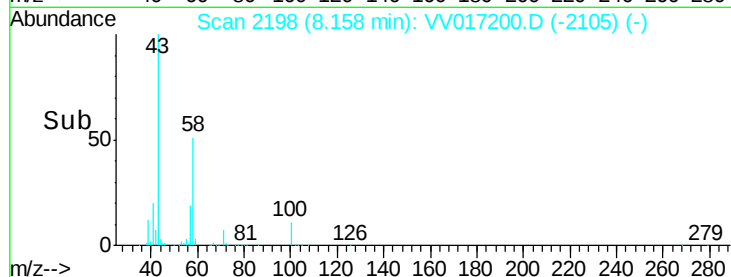
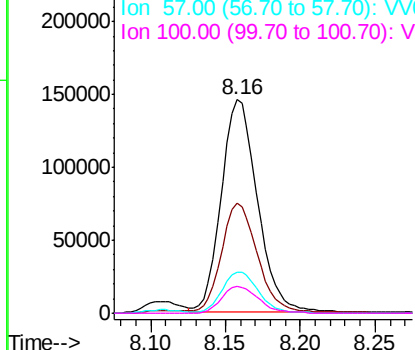
#48
2-Hexanone
Concen: 85.783 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 244708
Ion Ratio Lower Upper
43 100
58 51.4 43.1 64.7
57 19.5 15.3 22.9
100 13.1 10.0 15.0

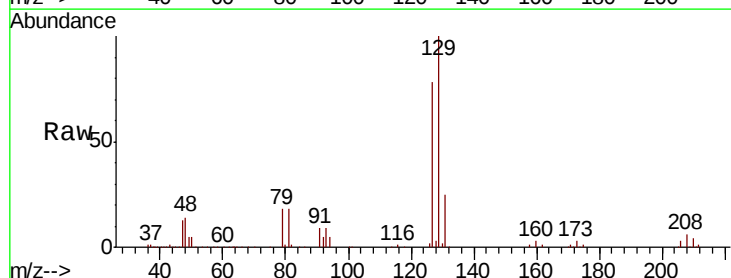


Abundance Ion 43.00 (42.70 to 43.70): VV017180.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV017180.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV017180.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV017180.D (-2188) (-)

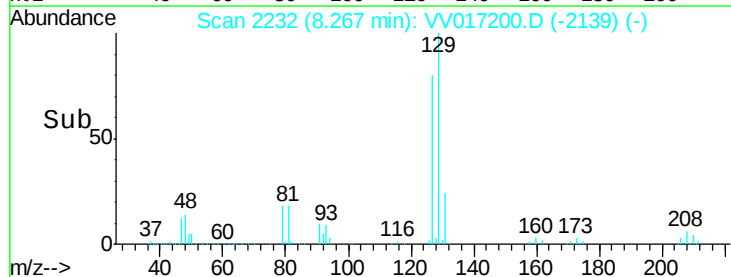
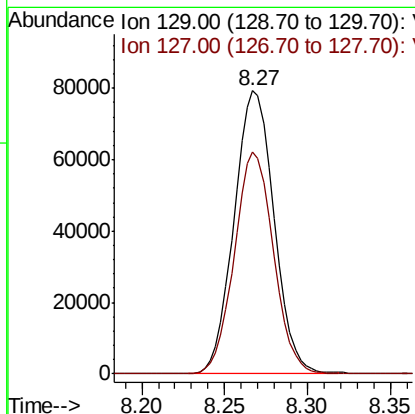


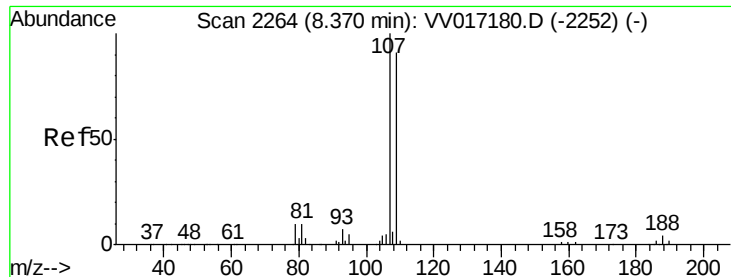
#49
Dibromochloromethane
Concen: 49.597 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

Tgt Ion: 129 Resp: 132836
Ion Ratio Lower Upper
129 100
127 78.4 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV017180.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV017180.D (-2218) (-)

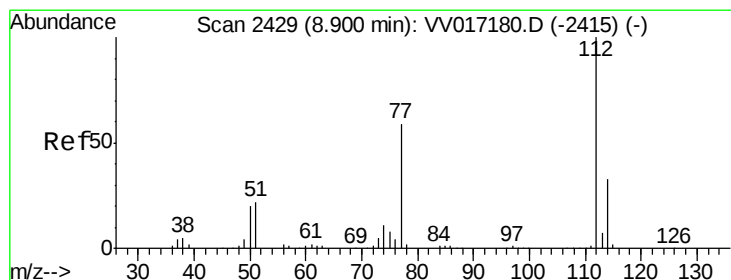
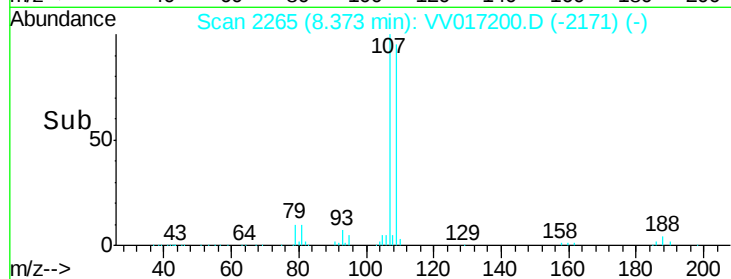
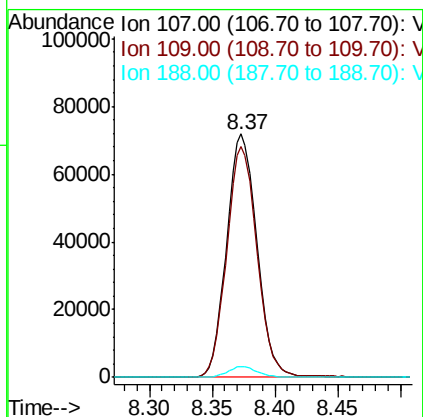
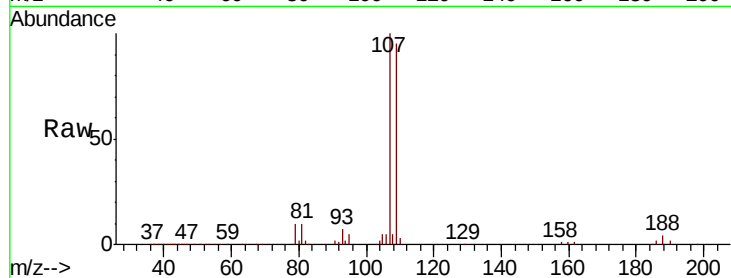




#50
1,2-Dibromoethane
Concen: 46.060 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

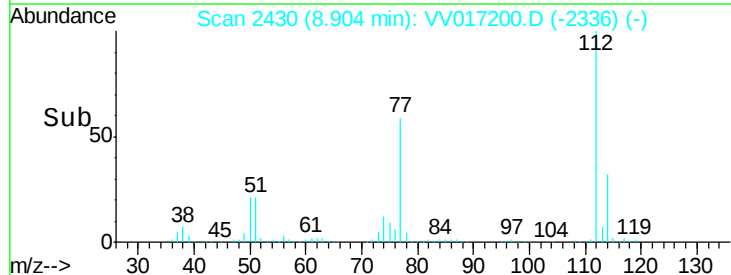
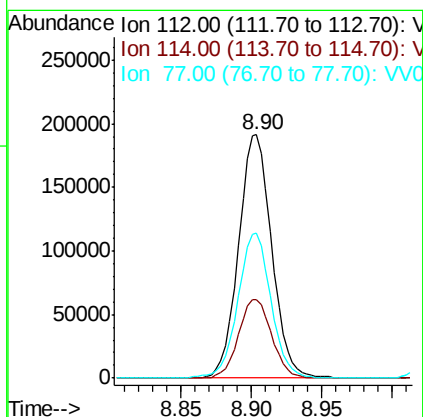
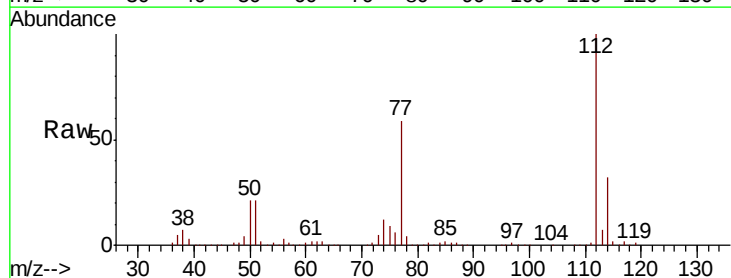
Instrument :
MSVOA_V
ClientSampleId :

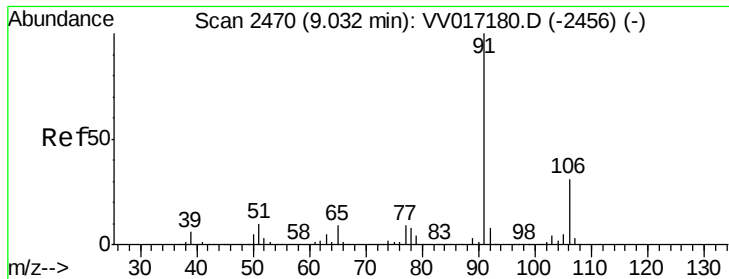
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.2
188	4.4	3.1	4.7



#51
Chlorobenzene
Concen: 45.919 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017200.D
Acq: 26 Jun 2020 23:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.3
77	59.4	47.9	71.9





#52

Ethylbenzene

Concen: 46.829 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

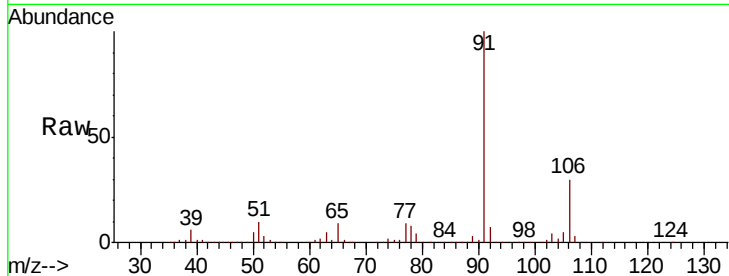
ClientSampled :

Tot Ion: 91 Resp: 545911

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV017180.D (-2456) (-)

Ion 106.00 (105.70 to 106.70): VV017180.D (-2456) (-)

9.03

400000

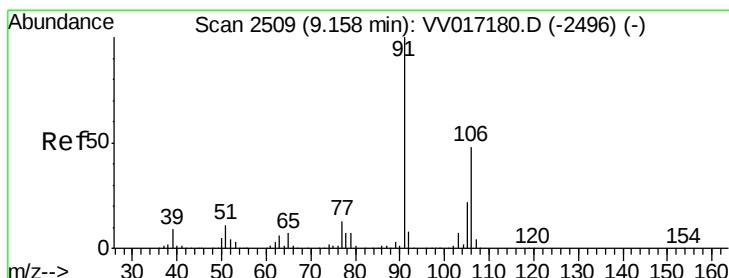
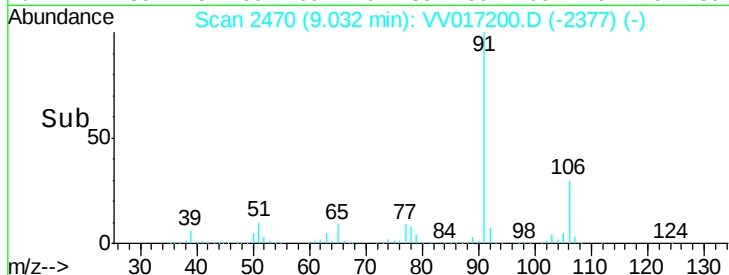
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 47.434 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017200.D

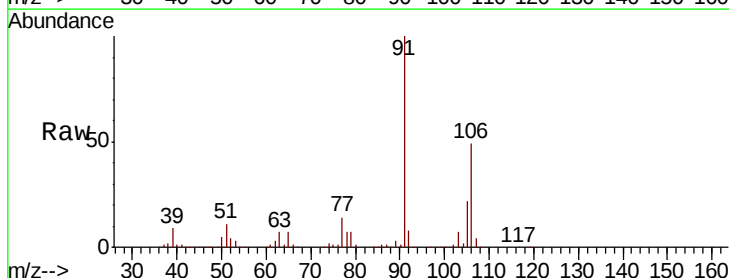
Acq: 26 Jun 2020 23:15

Tgt Ion: 106 Resp: 205887

Ion Ratio Lower Upper

106 100

91 204.7 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV017180.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV017180.D (-2496) (-)

9.16

300000

250000

200000

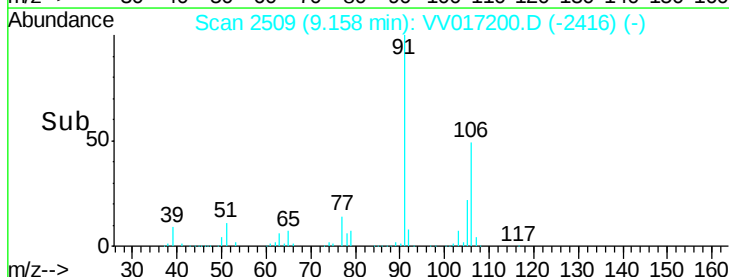
150000

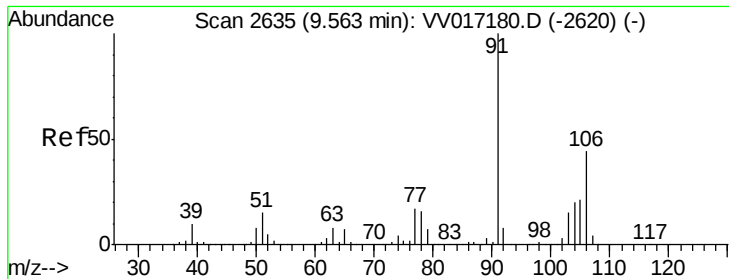
100000

50000

0

Time-->





#54

o-xylene

Concen: 46.496 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

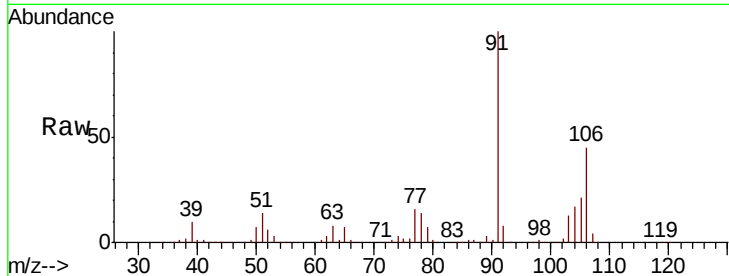
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 199043

Ion Ratio Lower Upper

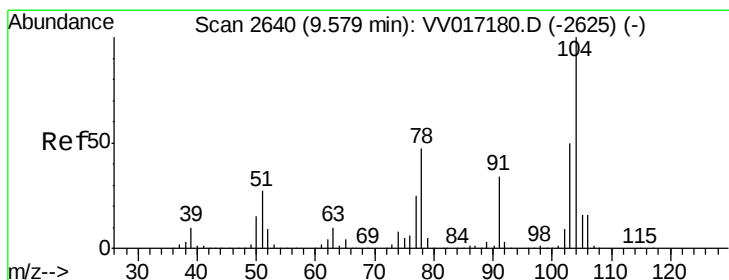
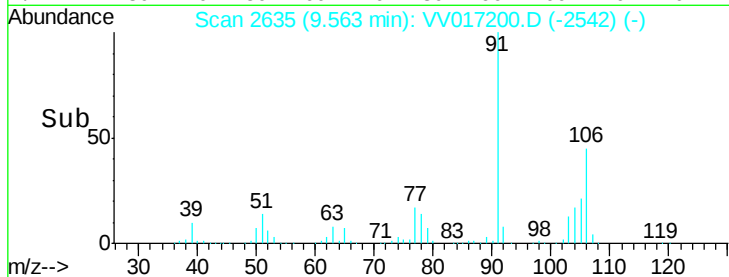
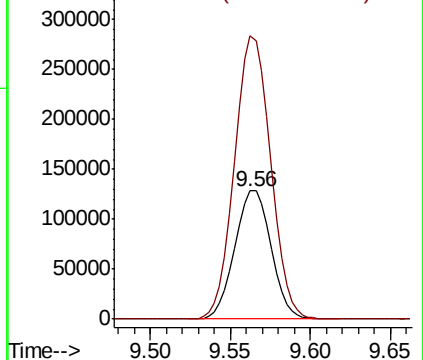
106 100

91 220.7 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.564 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017200.D

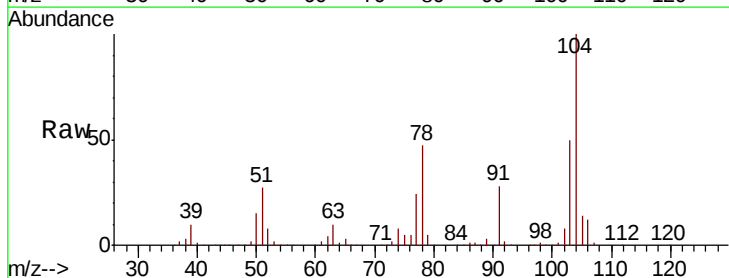
Acq: 26 Jun 2020 23:15

Tgt Ion:104 Resp: 344247

Ion Ratio Lower Upper

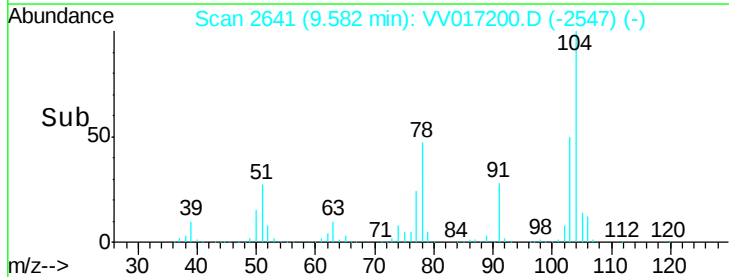
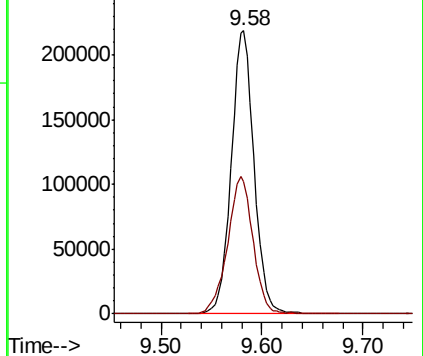
104 100

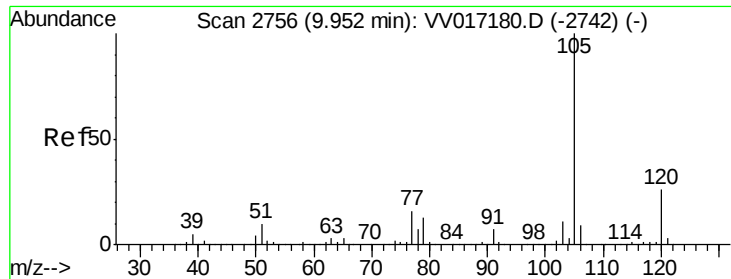
78 46.8 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.466 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :
MSVOA_V
ClientSampleId :

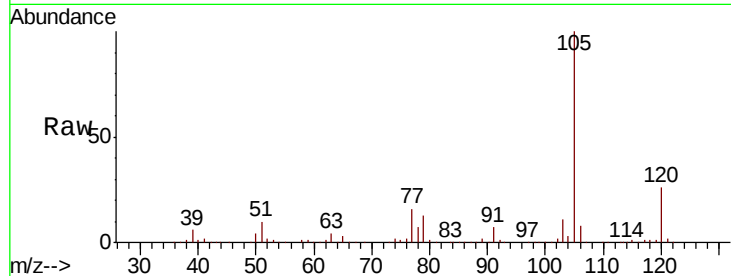
Tot Ion:105 Resp: 545974

Ion Ratio Lower Upper

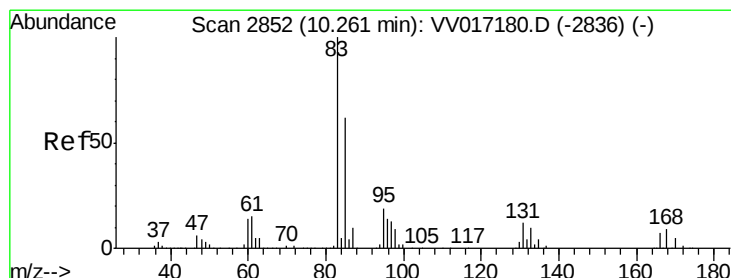
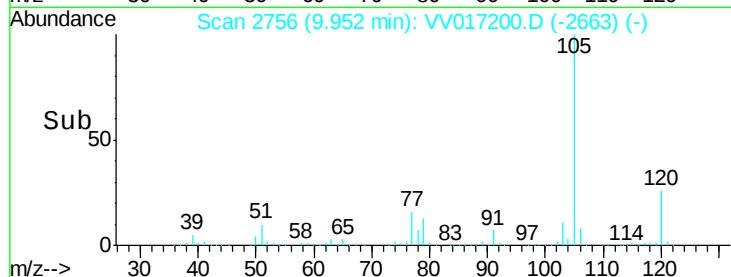
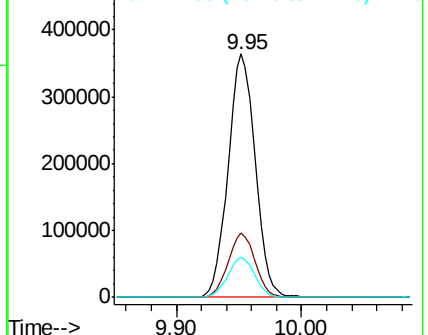
105 100

120 26.4 21.2 31.8

77 16.3 13.0 19.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 44.250 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

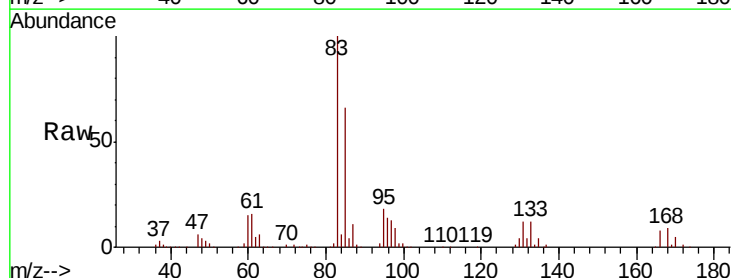
Tgt Ion: 83 Resp: 169945

Ion Ratio Lower Upper

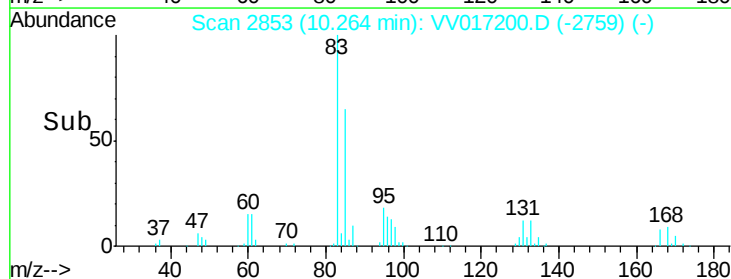
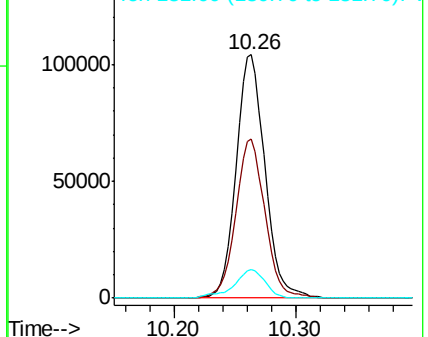
83 100

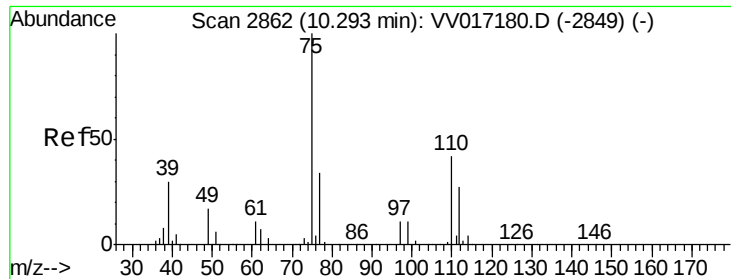
85 65.6 46.8 86.8

131 11.8 7.9 11.9



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: 45.271 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

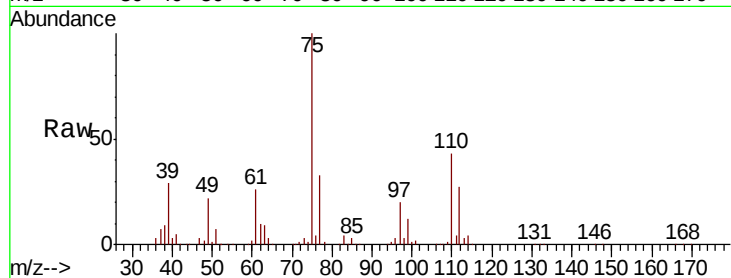
ClientSampleId :

Tot Ion: 75 Resp: 145836

Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV017180.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017180.D (-2849) (-)

10.30

80000

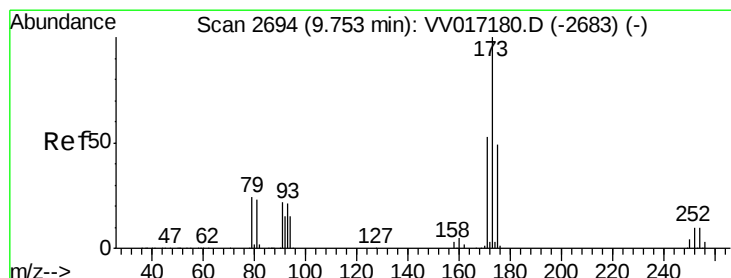
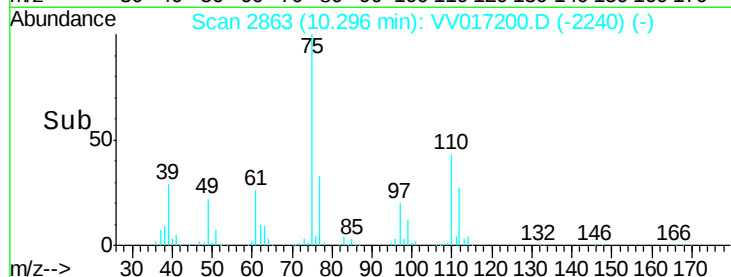
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 53.307 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

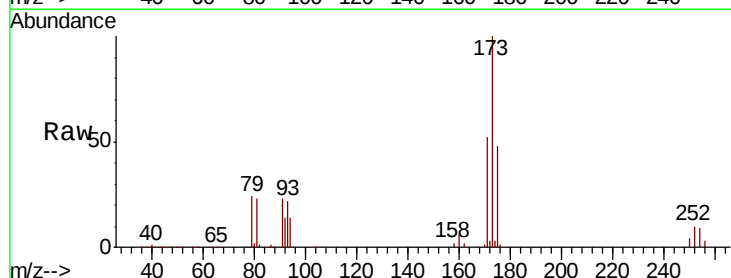
Tgt Ion: 173 Resp: 97196

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 9.2 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV017180.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV017180.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV017180.D (-2683) (-)

9.75

80000

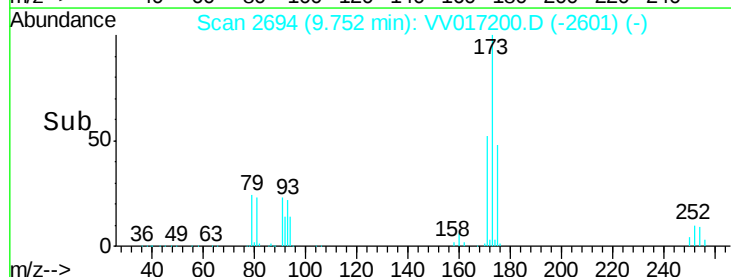
60000

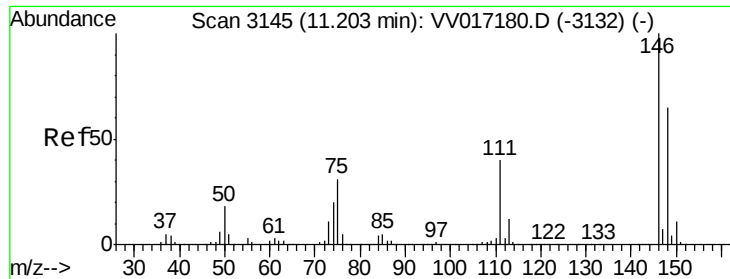
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 45.463 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

ClientSampled :

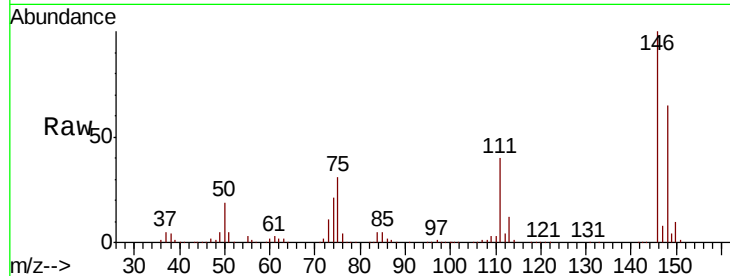
Tot Ion:146 Resp: 255257

Ion Ratio Lower Upper

146 100

111 40.0 28.3 52.7

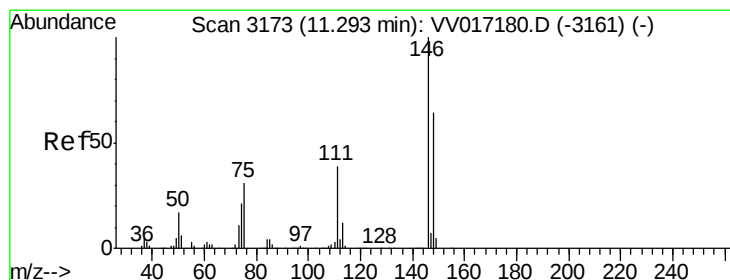
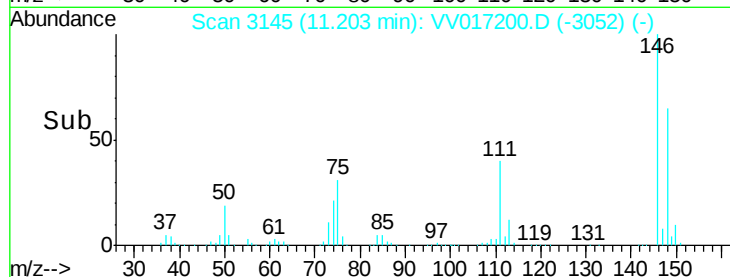
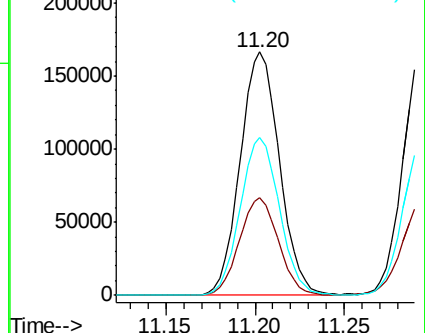
148 64.8 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 45.204 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

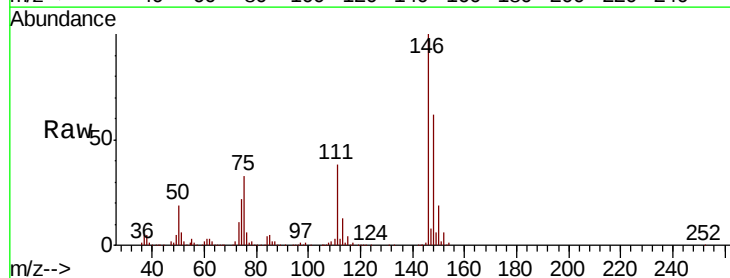
Tgt Ion:146 Resp: 258237

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.7

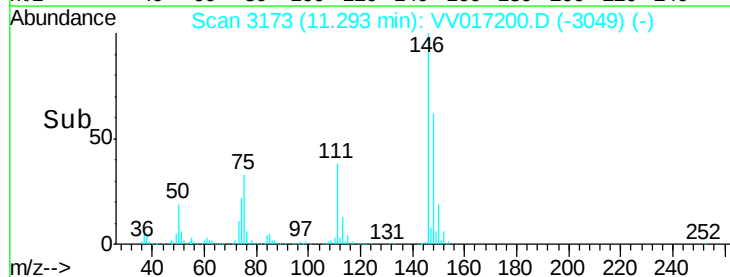
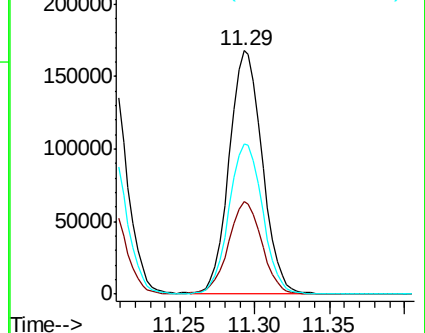
148 61.6 43.5 80.9

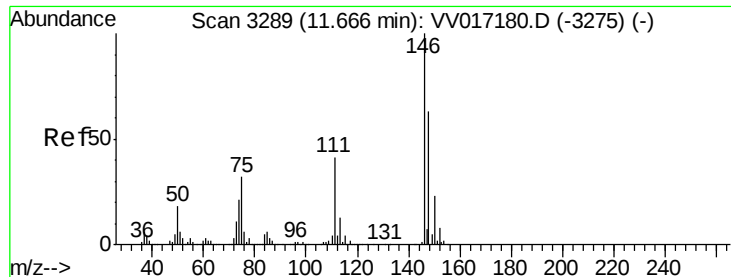


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.012 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

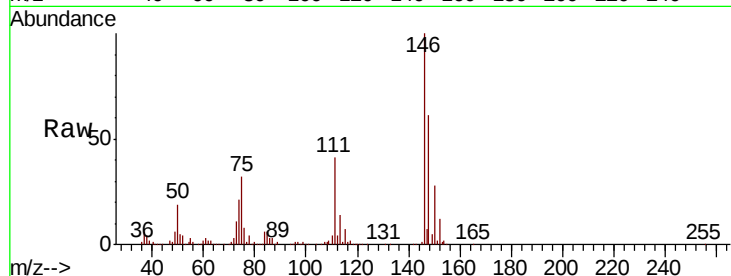
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 258897

Ion	Ratio	Lower	Upper
146	100		
111	40.9	33.7	50.5
148	61.3	50.7	76.1



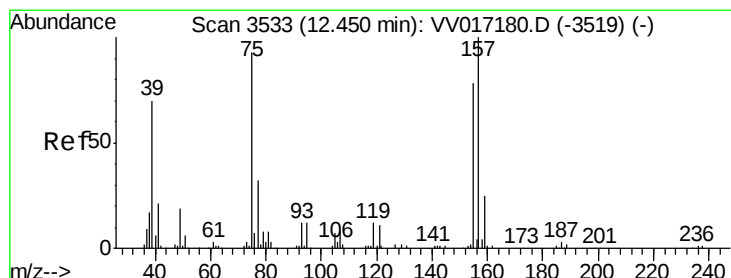
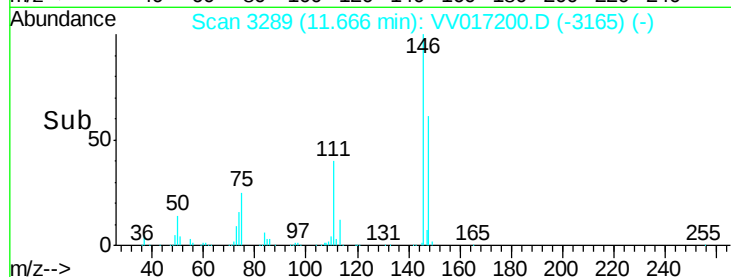
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.67

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 49.279 ug/L

RT: 12.45 min Scan# 3533

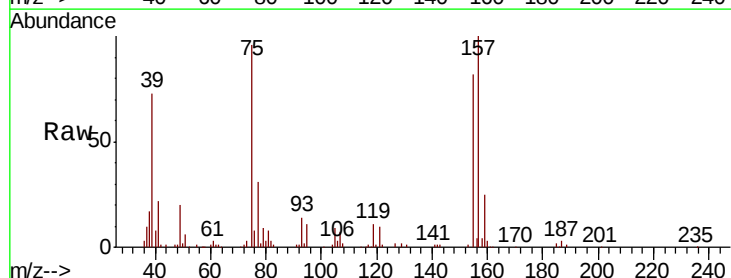
Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Tgt Ion: 75 Resp: 43599

Ion	Ratio	Lower	Upper
75	100		
155	85.5	69.8	104.6
157	103.8	83.4	125.2



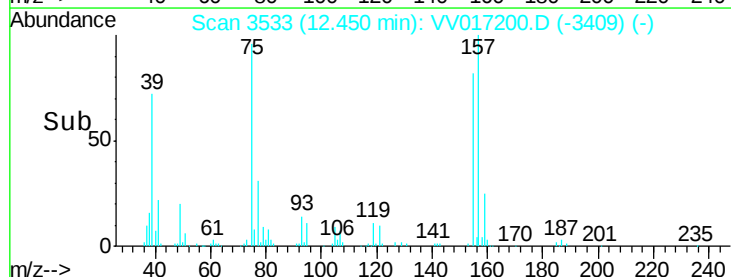
Abundance Ion 75.00 (74.70 to 75.70): VV0

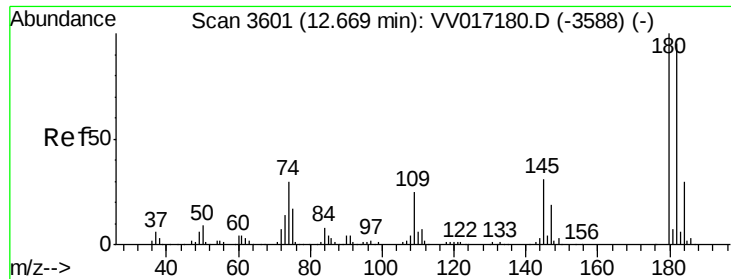
Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

12.45

Time-->

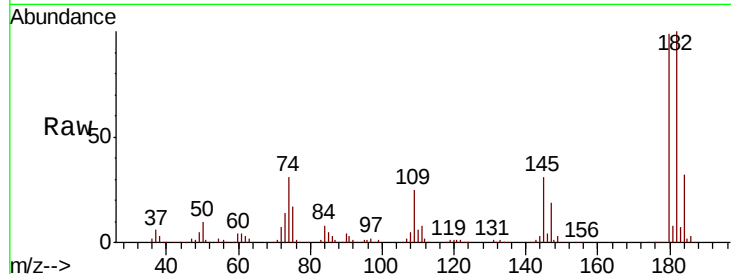




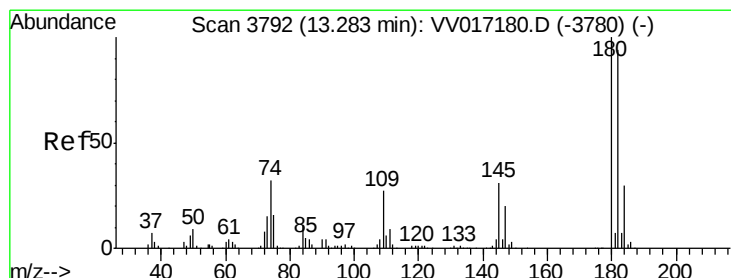
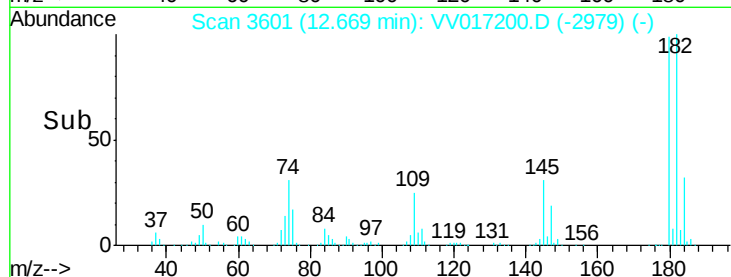
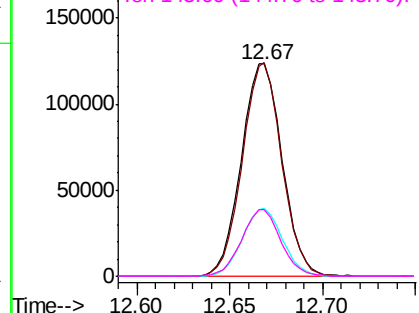
#67
 1,3,5-Trichlorobenzene
 Concen: 45.149 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.0	112.6
184	31.3	24.5	36.7
145	30.1	24.4	36.6

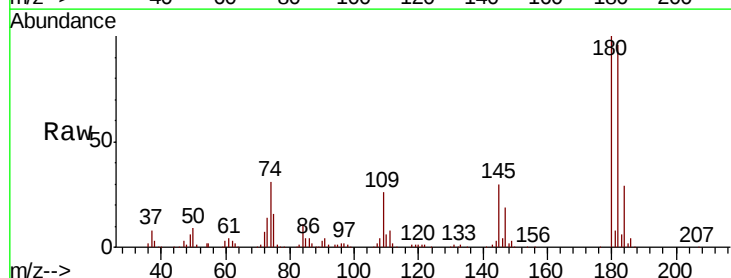


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

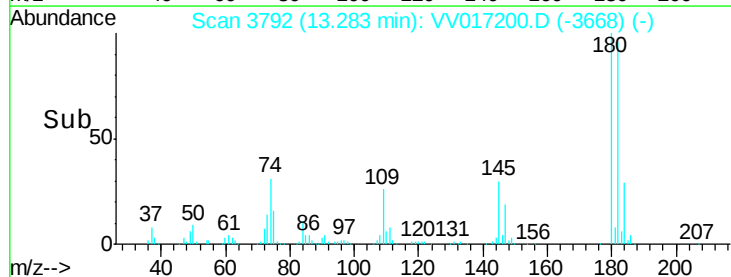
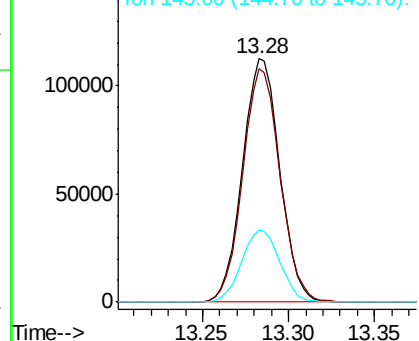


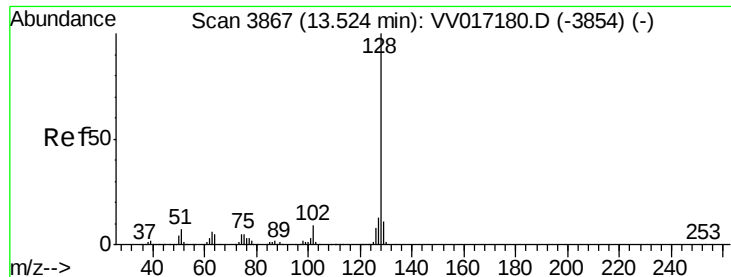
#68
 1,2,4-trichlorobenzene
 Concen: 44.199 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017200.D
 Acq: 26 Jun 2020 23:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.9	115.3
145	30.4	25.2	37.8



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





#69

Naphthalene

Concen: 48.299 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

Instrument :

MSVOA_V

ClientSampleId :

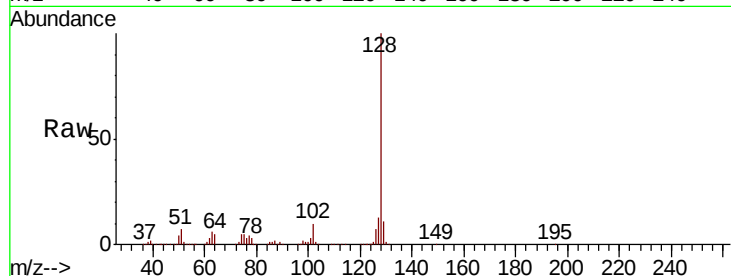
Tot Ion:128 Resp: 533537

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

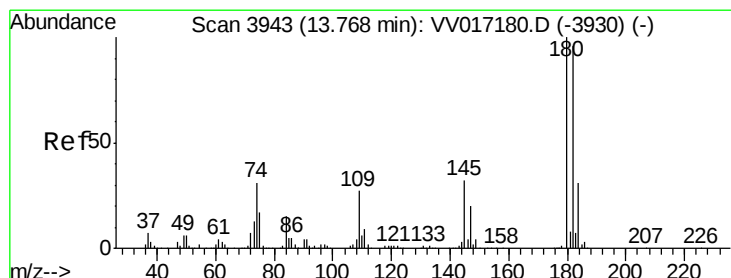
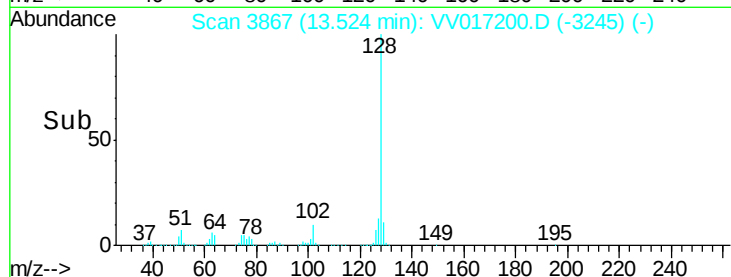
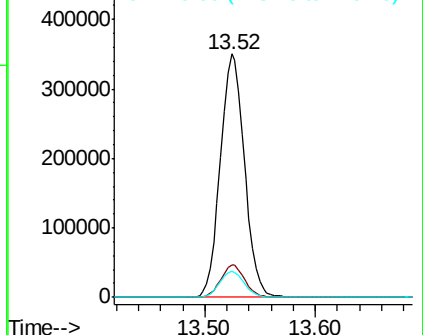
129 10.9 8.7 13.1



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: 47.379 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV017200.D

Acq: 26 Jun 2020 23:15

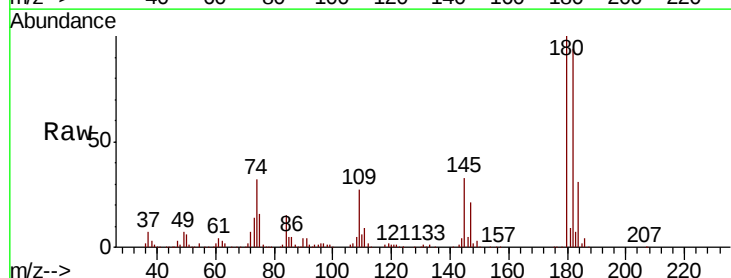
Tgt Ion:180 Resp: 178029

Ion Ratio Lower Upper

180 100

182 93.6 76.5 114.7

145 32.9 26.1 39.1



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

