

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
 Data File : VV017180.D
 Acq On : 26 Jun 2020 14:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 27 00:15:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 23 18:18:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	365829	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	353506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	191761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112908	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.48%
7) Chloroethane-d5	1.58	69	78464	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.32%
11) 1,1-Dichloroethene-d2	2.12	63	223404	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
21) 2-Butanone-d5	3.91	46	168355	88.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.12%
24) Chloroform-d	4.37	84	248049	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	5.05	65	174917	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
32) Benzene-d6	5.07	84	460587	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.09	67	135928	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.58%
41) Toluene-d8	7.33	98	434298	46.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.88%
43) trans-1,3-Dichloropropene-	7.64	79	76009	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
47) 2-Hexanone-d5	8.11	63	119635	86.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.39%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	188923	44.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	181443	44.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	190438	65.660	ug/L 100
3) Chloromethane	1.25	50	138523	52.226	ug/L 97
5) Vinyl chloride	1.32	62	132088	50.642	ug/L 98
6) Bromomethane	1.53	94	70415	64.820	ug/L 97
8) Chloroethane	1.60	64	61175	47.481	ug/L 97
9) Trichlorofluoromethane	1.76	101	209185	53.593	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	107660	55.352	ug/L 99
12) 1,1-Dichloroethene	2.13	96	97238	53.554	ug/L 92
13) Acetone	2.19	43	143208	113.763	ug/L 97
14) Carbon disulfide	2.31	76	329795	50.167	ug/L 99
15) Methyl Acetate	2.44	43	120024	42.778	ug/L 99
16) Methylene chloride	2.52	84	121144	45.468	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	117335	47.396	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	374754	45.685	ug/L 99
19) 1,1-Dichloroethane	3.21	63	209922	45.048	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	123533	45.771	ug/L 96
22) 2-Butanone	3.99	43	181334	93.413	ug/L 100

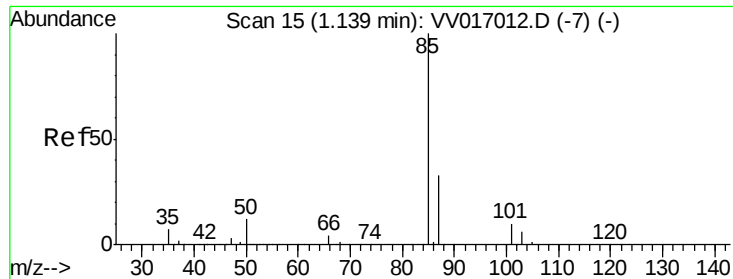
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 23 18:18:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67223	47.282	ug/L	91
25) Chloroform	4.40	83	227882	47.584	ug/L	100
27) 1,2-Dichloroethane	5.15	62	194990	48.570	ug/L	96
29) Cyclohexane	4.70	56	194369	44.246	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	216336	47.987	ug/L	99
31) Carbon tetrachloride	4.85	117	196659	50.425	ug/L	98
33) Benzene	5.12	78	462557	44.225	ug/L	100
34) Trichloroethene	5.94	95	126763	45.190	ug/L	99
35) Methylcyclohexane	6.15	83	205766	46.758	ug/L	98
37) 1,2-Dichloropropane	6.19	63	115625	42.509	ug/L	98
38) Bromodichloromethane	6.53	83	167335	46.214	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	196810	46.581	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	331357	85.971	ug/L	99
42) Toluene	7.41	91	507315	46.011	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	192580	46.884	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	116746	44.488	ug/L	99
46) Tetrachloroethene	8.00	164	107960	48.935	ug/L	96
48) 2-Hexanone	8.16	43	267085	89.371	ug/L	99
49) Dibromochloromethane	8.27	129	138387	49.321	ug/L	100
50) 1,2-Dibromoethane	8.37	107	127533	46.409	ug/L	96
51) Chlorobenzene	8.90	112	328684	45.691	ug/L	99
52) Ethylbenzene	9.03	91	569827	46.658	ug/L	99
53) m,p-Xylene	9.16	106	219208	48.207	ug/L	100
54) o-xylene	9.56	106	210987	47.046	ug/L	98
55) Styrene	9.58	104	370058	48.806	ug/L	99
56) Isopropylbenzene	9.95	105	578913	48.042	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	179573	44.631	ug/L	94
59) 1,2,3-Trichloropropane	10.29	75	149013	44.155	ug/L	98
61) Bromoform	9.75	173	100767	51.088	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	276644	45.548	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	278380	45.047	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	276857	45.485	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	44239	46.223	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	211890	46.784	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	187677	45.177	ug/L	99
69) Naphthalene	13.52	128	568327	47.560	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	193007	47.483	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 65.660 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

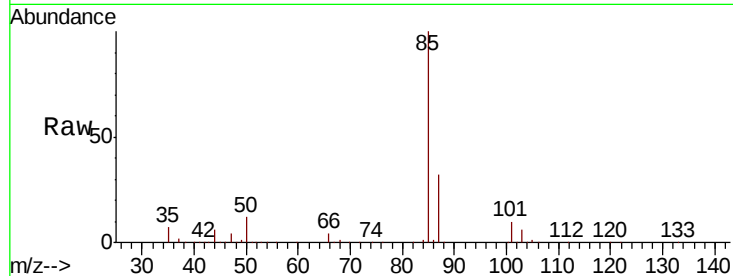
ClientSampleId :

Tot Ion: 85 Resp: 190438

Ion Ratio Lower Upper

85 100

87 31.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

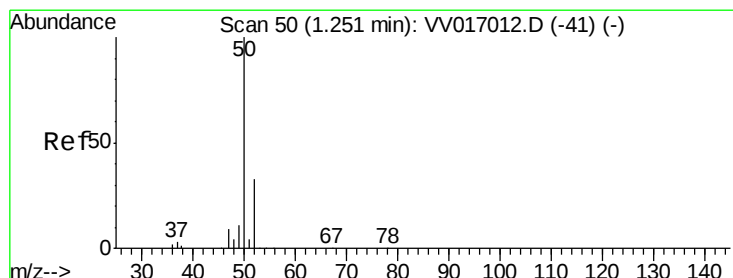
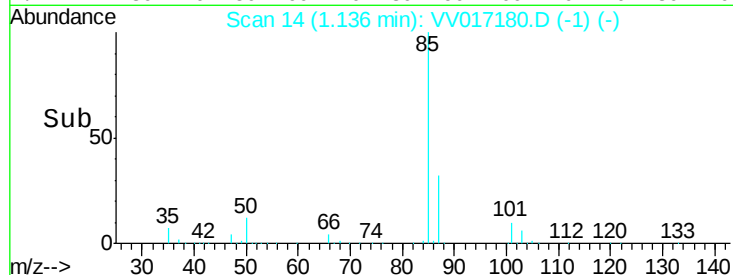
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.226 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017180.D

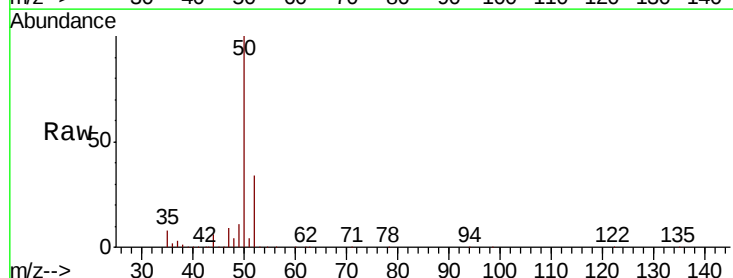
Acq: 26 Jun 2020 14:32

Tgt Ion: 50 Resp: 138523

Ion Ratio Lower Upper

50 100

52 33.7 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

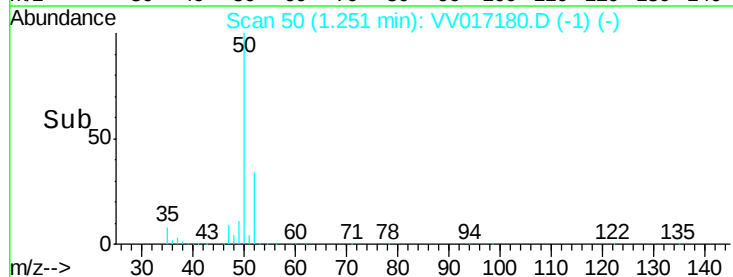
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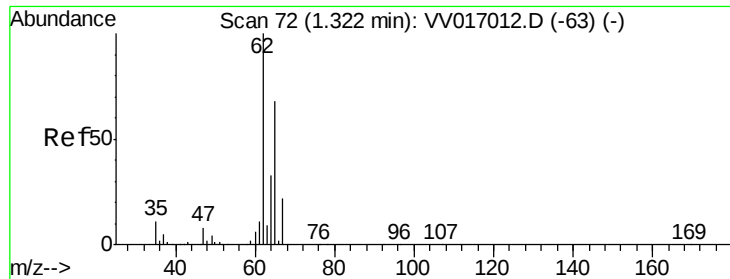
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.642 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

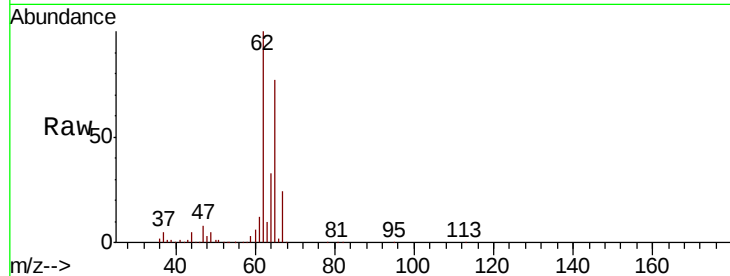
ClientSampled :

Tot Ion: 62 Resp: 132088

Ion Ratio Lower Upper

62 100

64 33.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

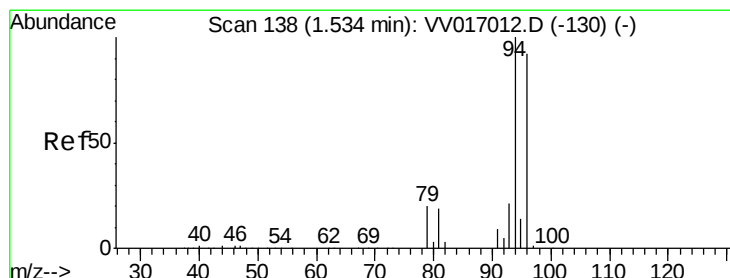
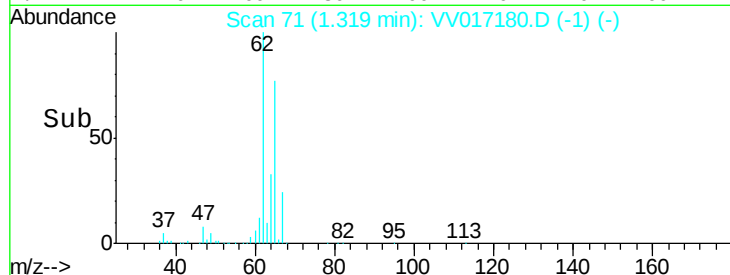
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 64.820 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017180.D

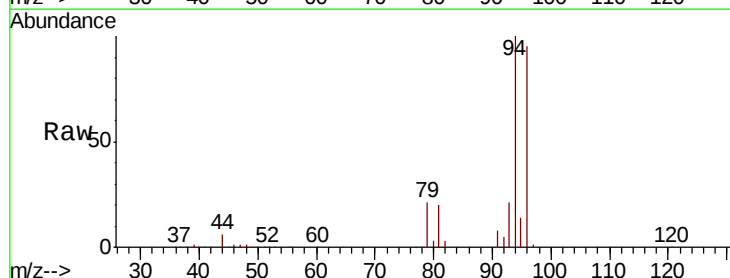
Acq: 26 Jun 2020 14:32

Tgt Ion: 94 Resp: 70415

Ion Ratio Lower Upper

94 100

96 95.4 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

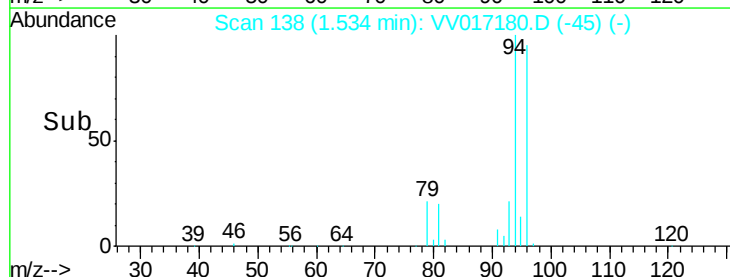
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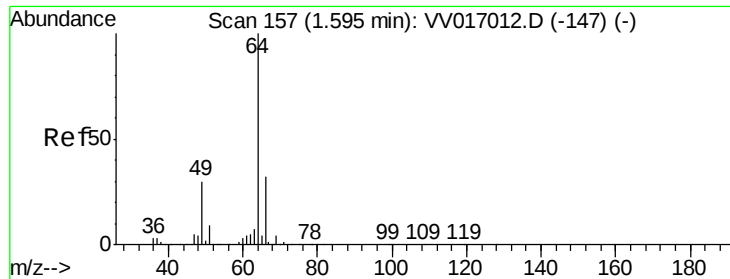
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20000

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Time-->

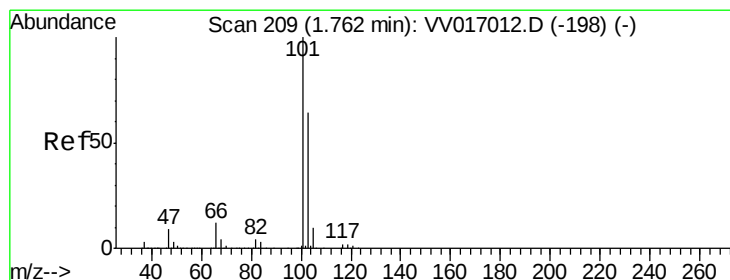
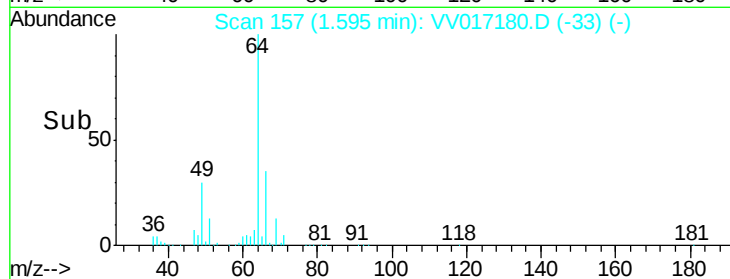
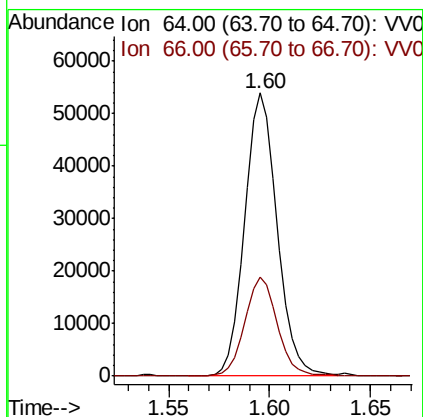
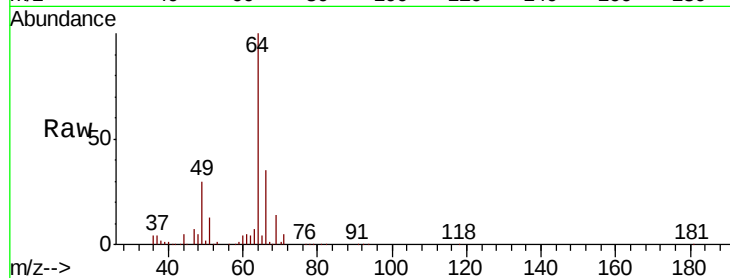




#8
 Chloroethane
 Concen: 47.481 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

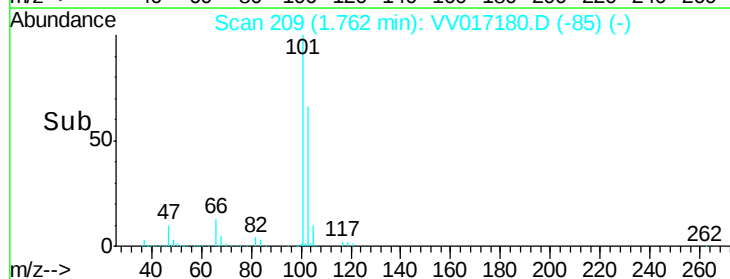
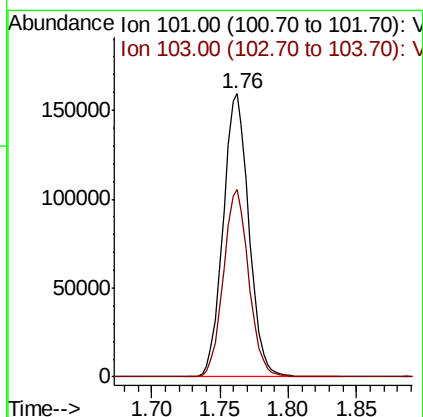
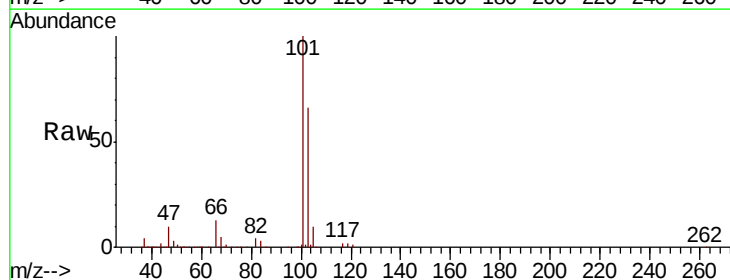
Instrument :
 MSVOA_V
 ClientSampled :

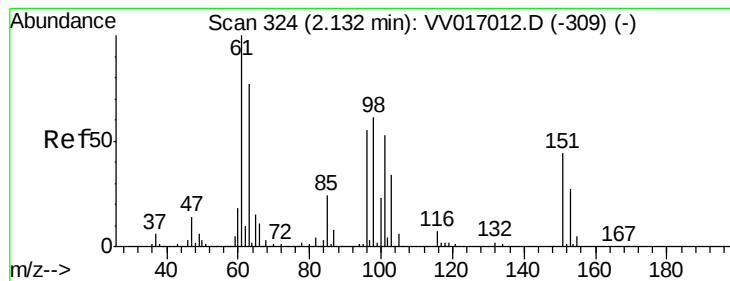
Tot Ion: 64 Resp: 61175
 Ion Ratio Lower Upper
 64 100
 66 34.9 23.2 43.0



#9
 Trichlorofluoromethane
 Concen: 53.593 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Tgt Ion: 101 Resp: 209185
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9





#10

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

Concen: 55.352 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

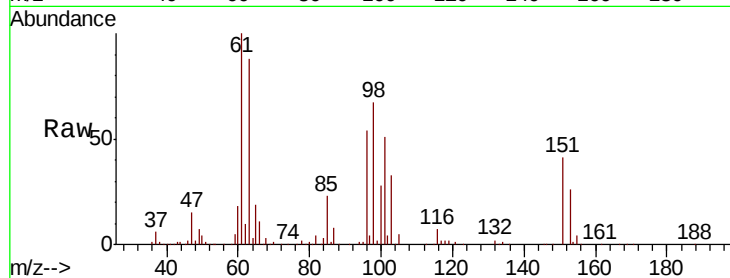
Tot Ion:101 Resp: 107660

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

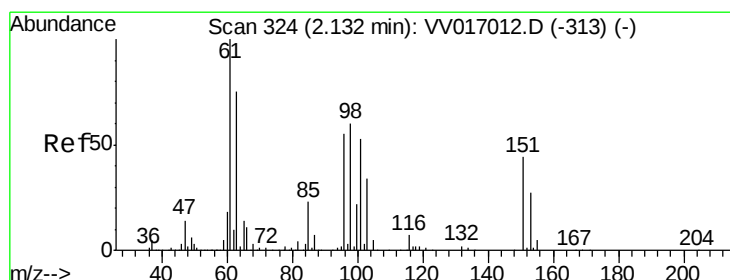
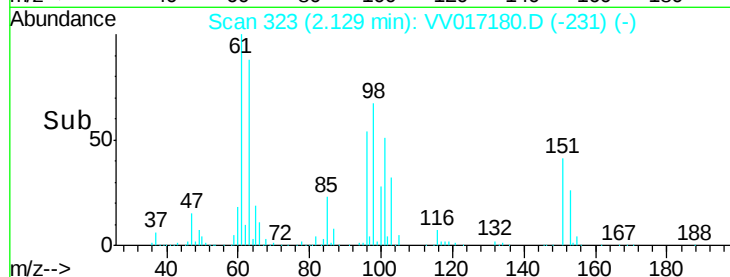
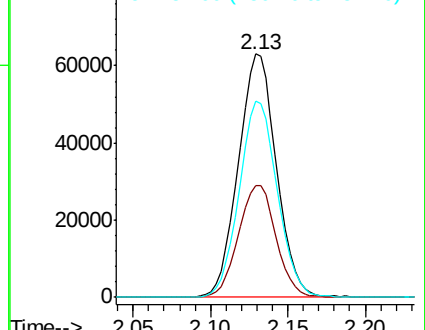
151 80.9 63.9 95.9



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: 53.554 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

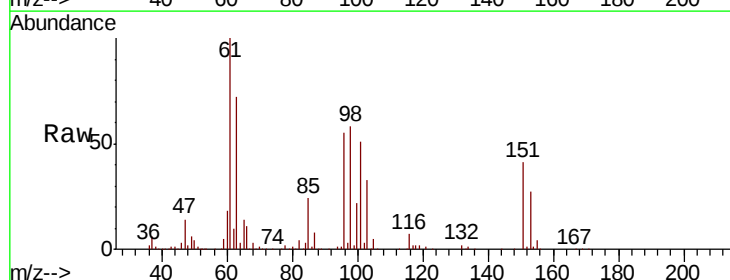
Tgt Ion: 96 Resp: 97238

Ion Ratio Lower Upper

96 100

61 180.8 130.4 242.2

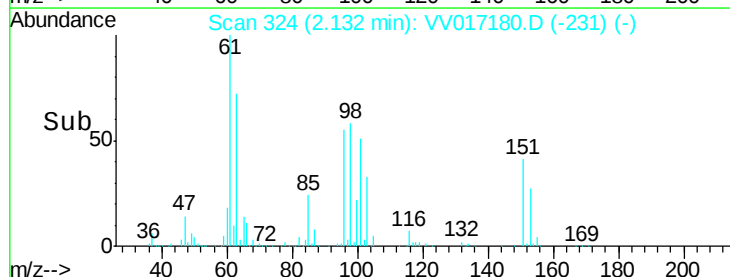
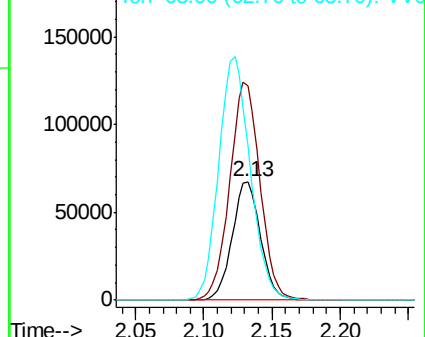
63 129.8 103.3 191.9

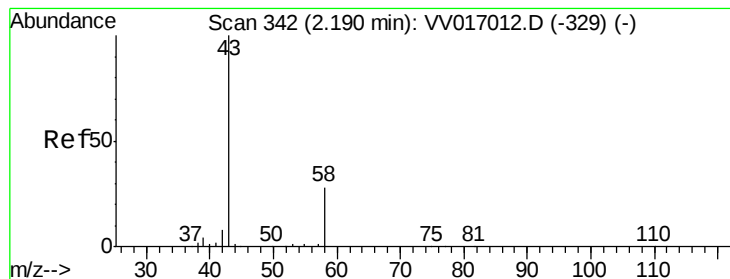


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 113.763 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

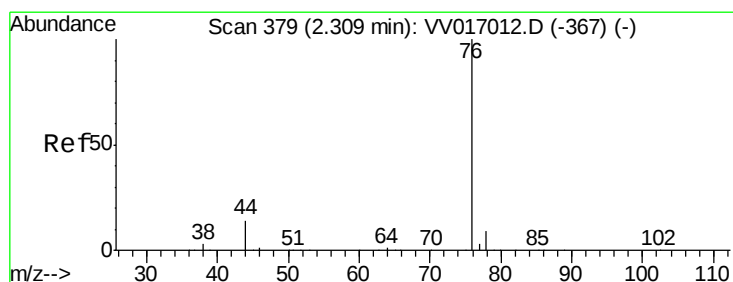
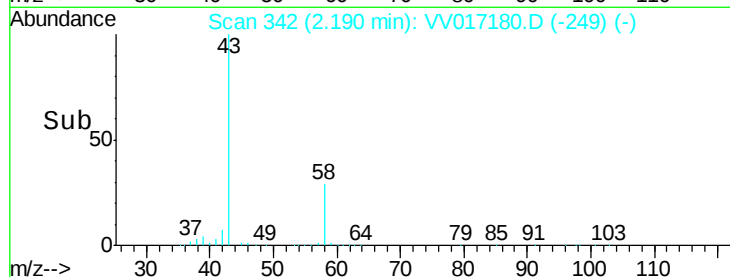
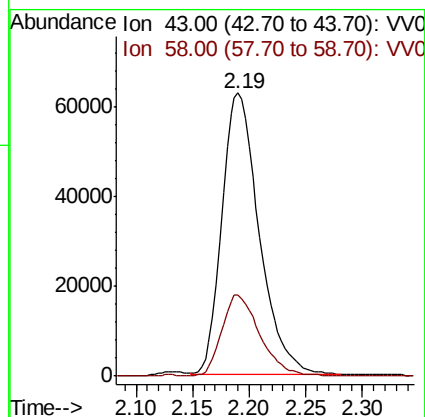
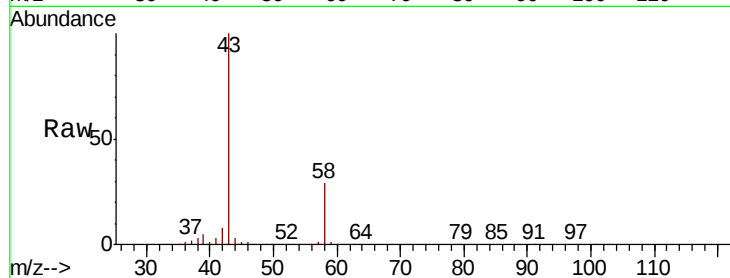
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 143208

Ion Ratio Lower Upper

43 100

58 29.0 0.0 55.2



#14

Carbon disulfide

Concen: 50.167 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017180.D

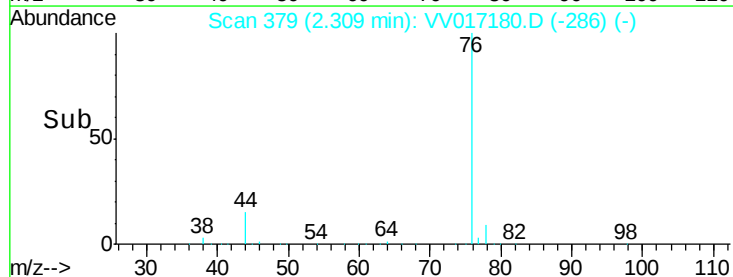
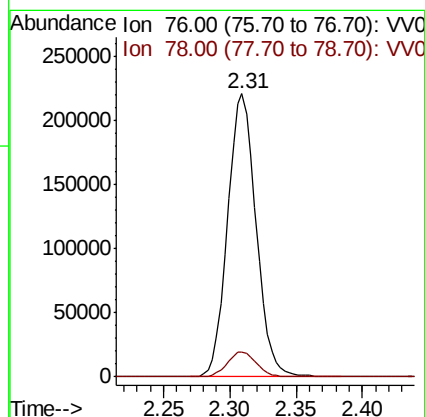
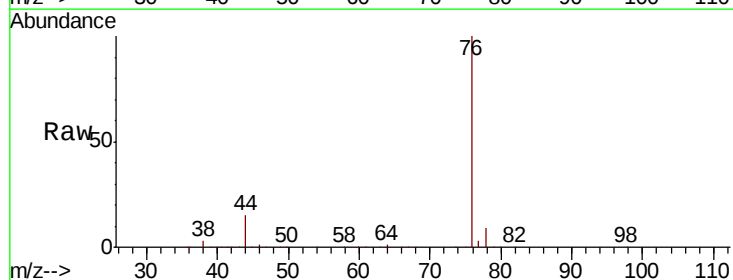
Acq: 26 Jun 2020 14:32

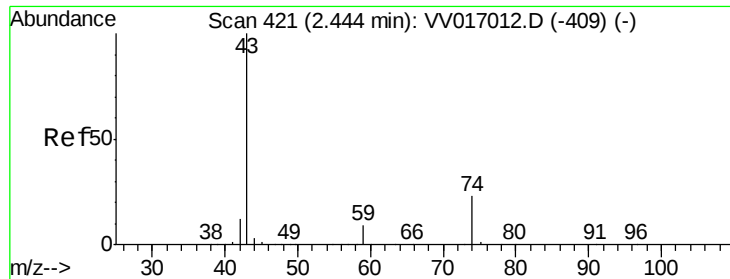
Tgt Ion: 76 Resp: 329795

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

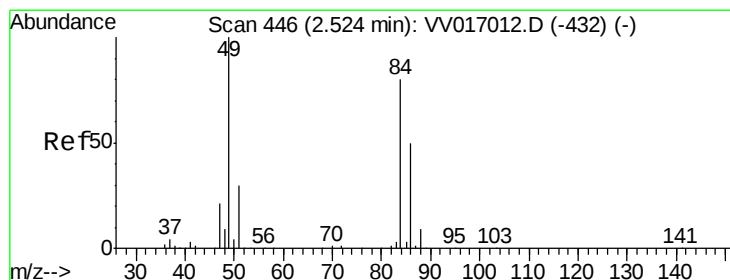
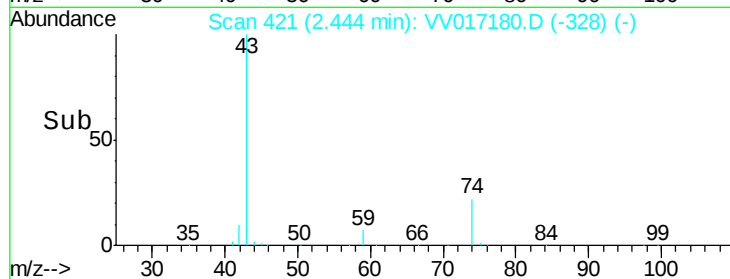
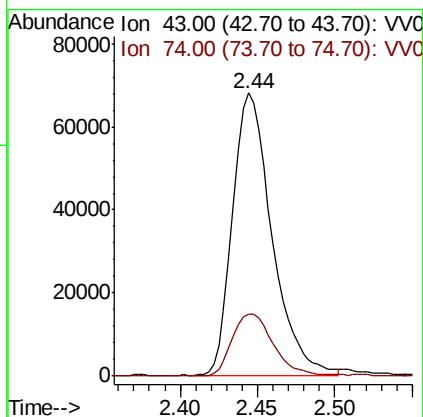
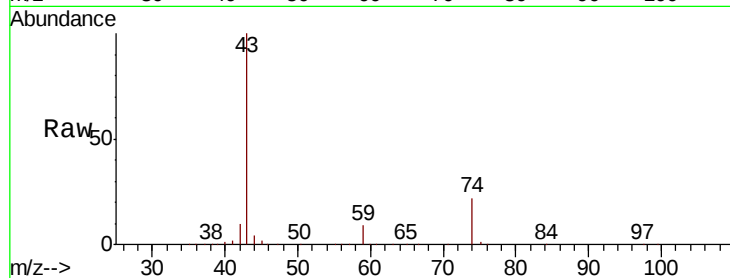




#15
Methyl Acetate
Concen: 42.778 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

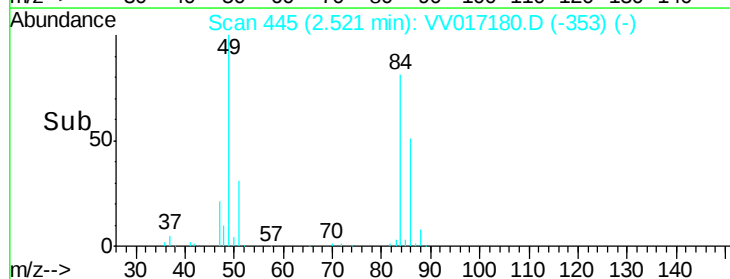
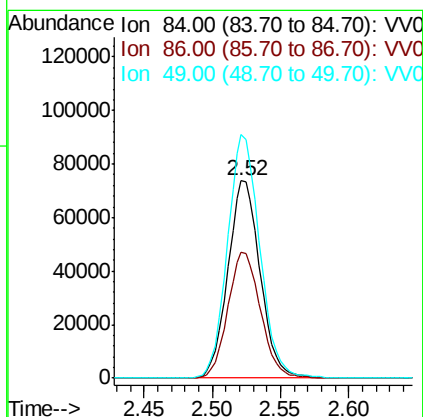
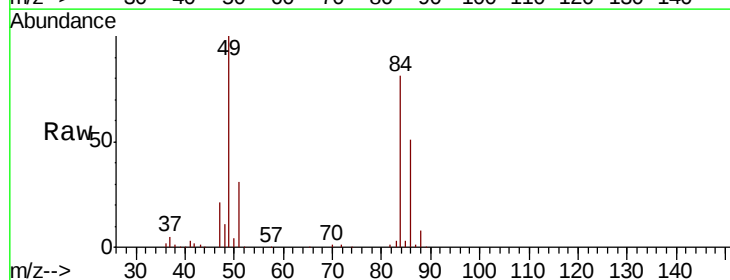
Instrument :
MSVOA_V
ClientSampleId :

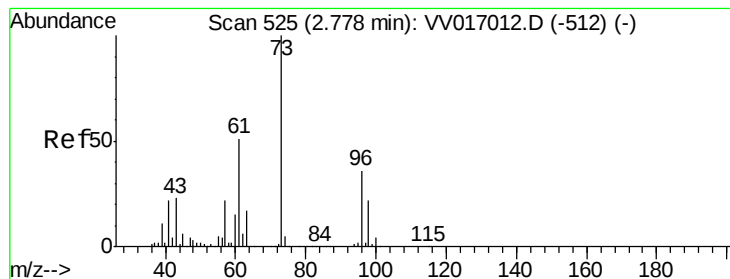
Tot Ion: 43 Resp: 120024
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9



#16
Methylene chloride
Concen: 45.468 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

Tgt Ion: 84 Resp: 121144
Ion Ratio Lower Upper
84 100
86 63.5 44.0 81.8
49 123.4 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 47.396 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

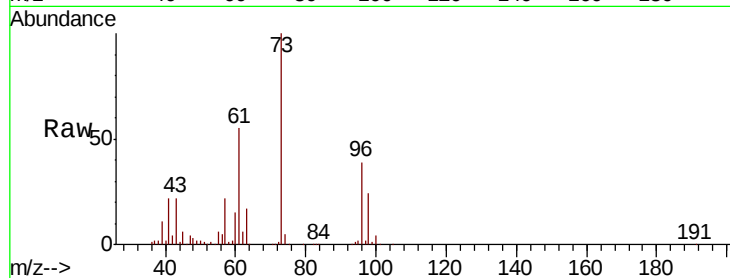
Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 117335

Ion	Ratio	Lower	Upper
96	100		
61	140.5	102.9	191.1
98	62.1	45.5	84.5

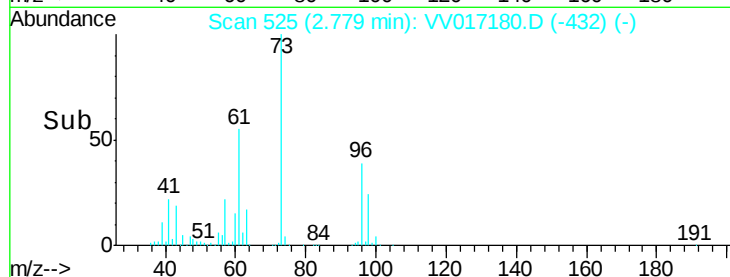


Abundance

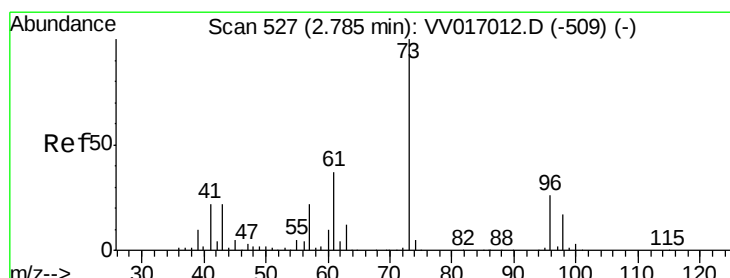
Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



Time-->



#18

Methyl tert-butyl Ether

Concen: 45.685 ug/L

RT: 2.78 min Scan# 526

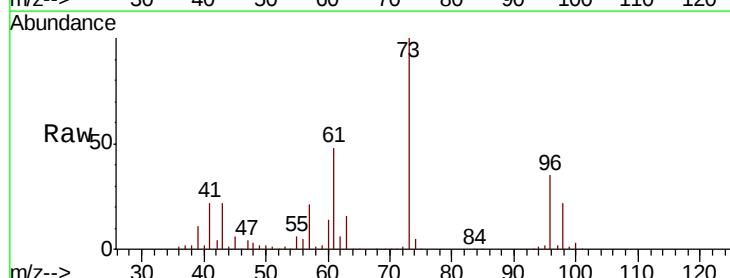
Delta R.T. -0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Tgt Ion: 73 Resp: 374754

Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.8	26.6
57	20.9	17.7	26.5

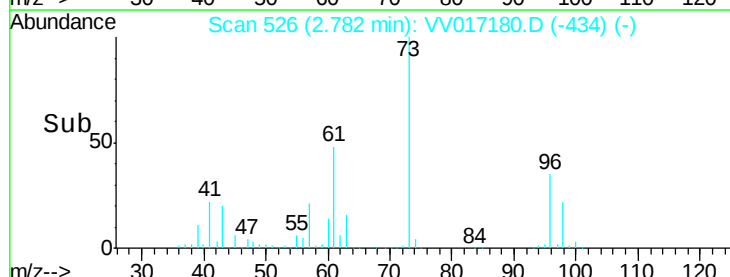


Abundance

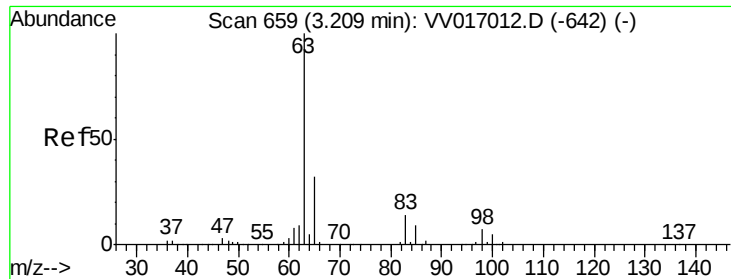
Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



Time-->



#19

1,1-Dichloroethane

Concen: 45.048 ug/L

RT: 3.21 min Scan# 659

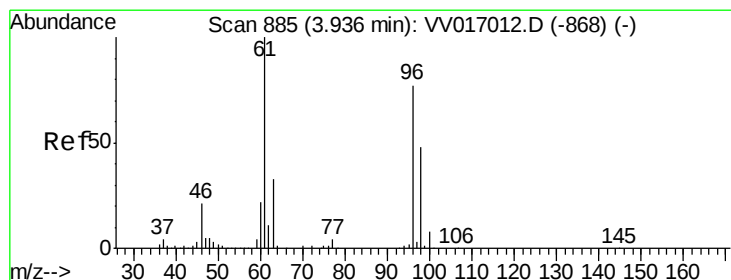
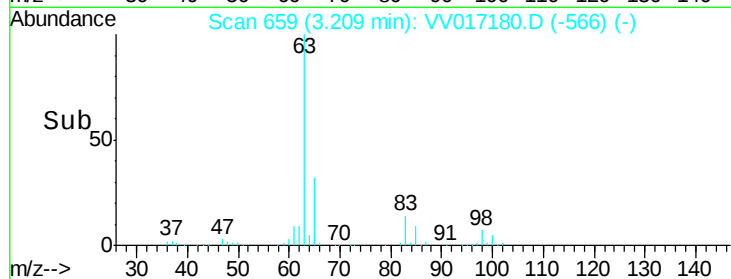
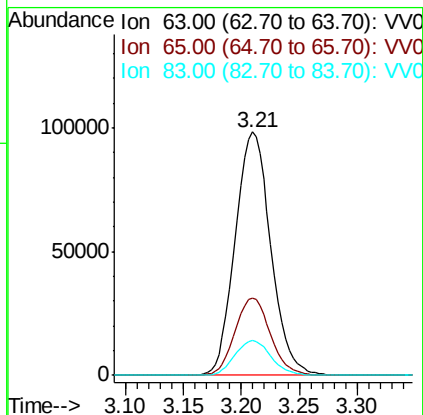
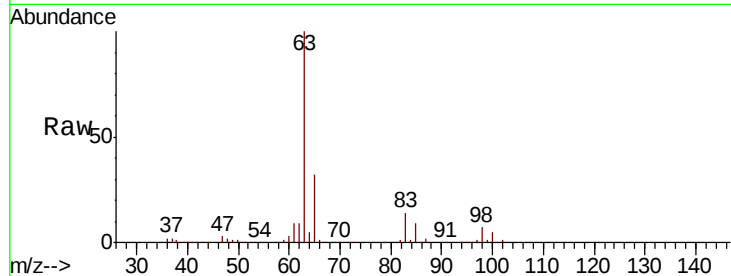
Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	209922
Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.2	43.0
83	14.3	10.0	18.6



#20

cis-1,2-Dichloroethene

Concen: 45.771 ug/L

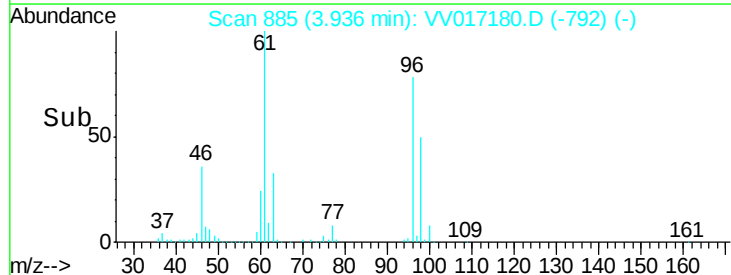
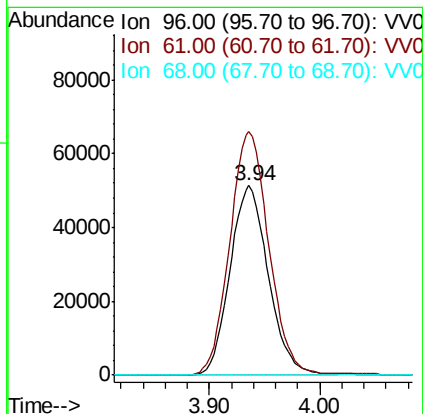
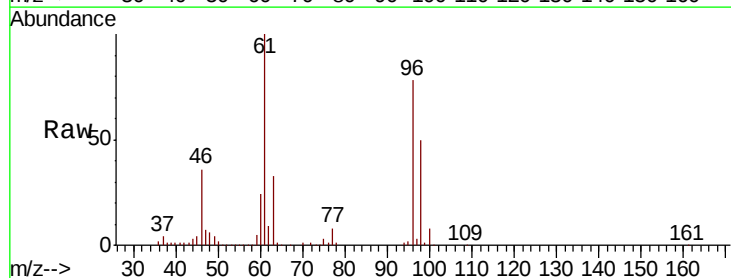
RT: 3.94 min Scan# 885

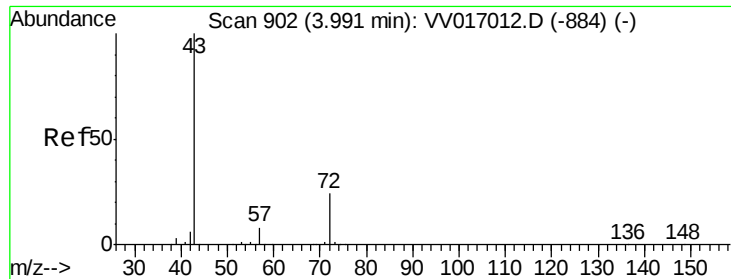
Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Tgt Ion:	96	Resp:	123533
Ion	Ratio	Lower	Upper
96	100		
61	128.4	93.4	173.4
68	0.0	0.0	0.0

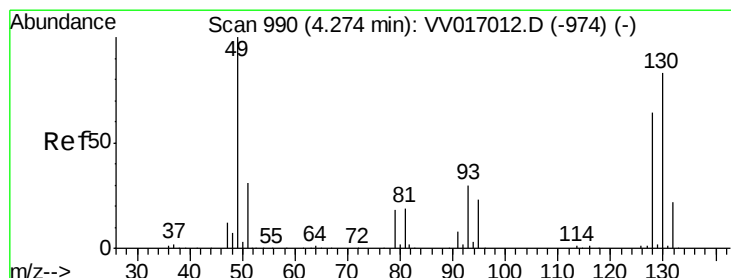
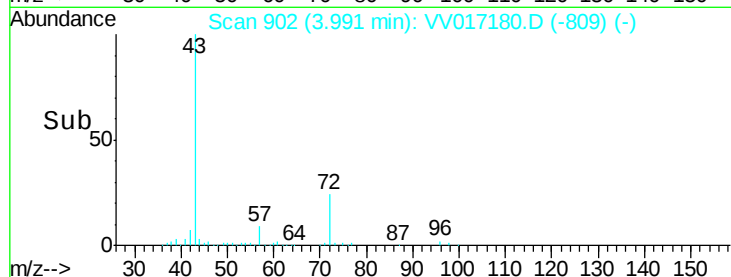
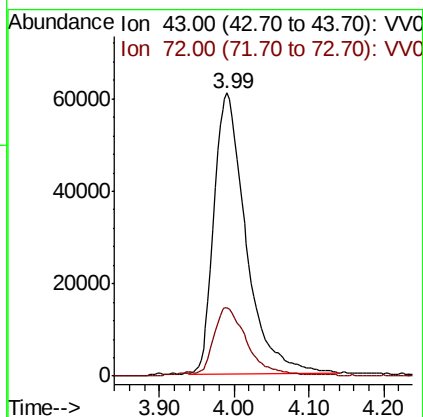
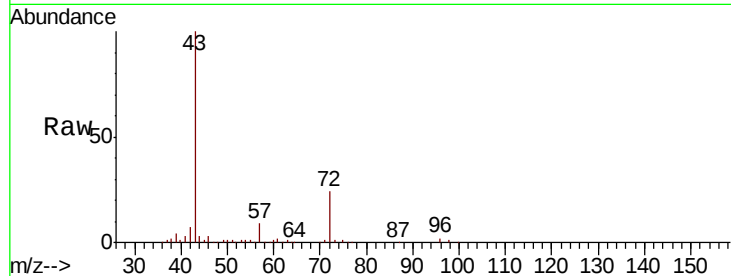




#22
2-Butanone
Concen: 93.413 ug/L
RT: 3.99 min Scan# 902
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

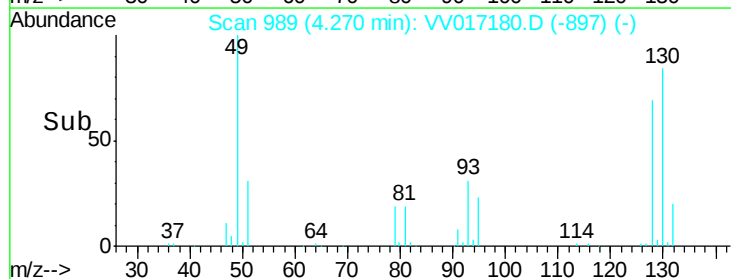
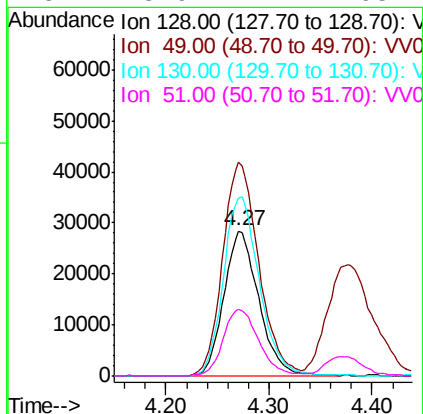
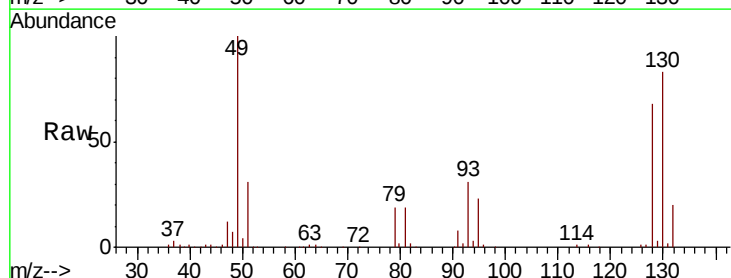
Instrument :
MSVOA_V
ClientSampleId :

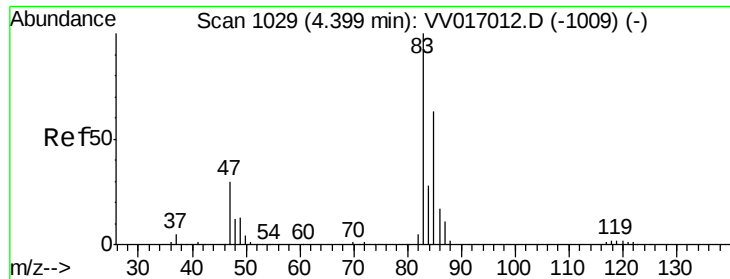
Tot Ion: 43 Resp: 181334
Ion Ratio Lower Upper
43 100
72 24.7 12.4 37.4



#23
Bromochloromethane
Concen: 47.282 ug/L
RT: 4.27 min Scan# 989
Delta R.T. -0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

Tgt Ion: 128 Resp: 67223
Ion Ratio Lower Upper
128 100
49 147.0 111.9 207.9
130 122.5 91.5 169.9
51 45.9 42.1 63.1

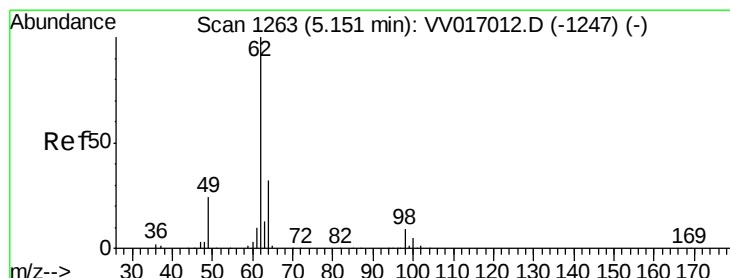
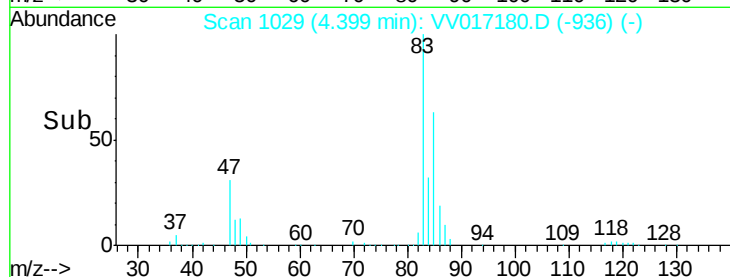
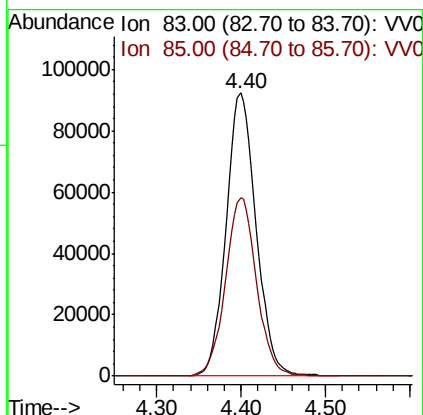
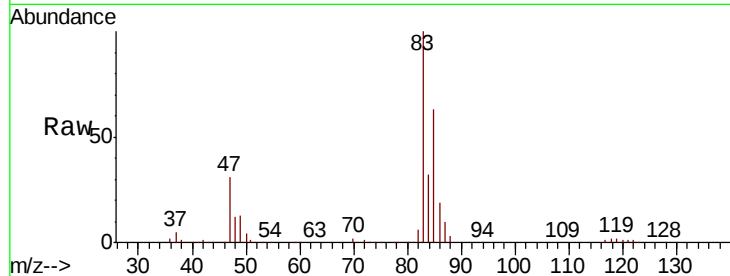




#25
Chloroform
Concen: 47.584 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

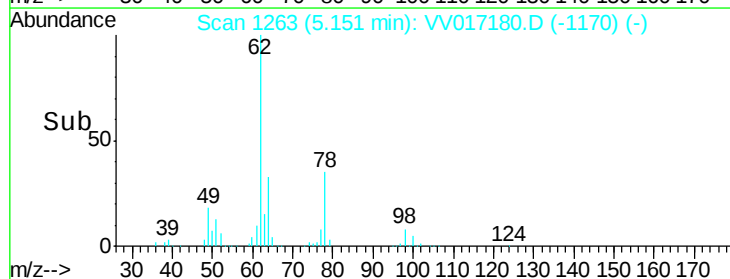
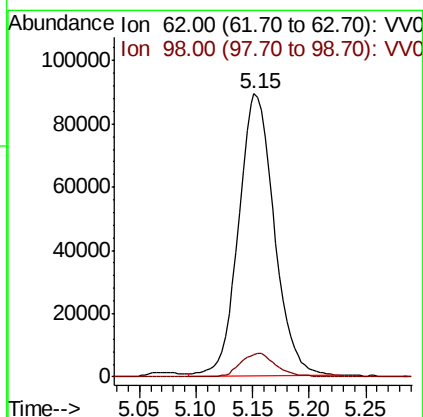
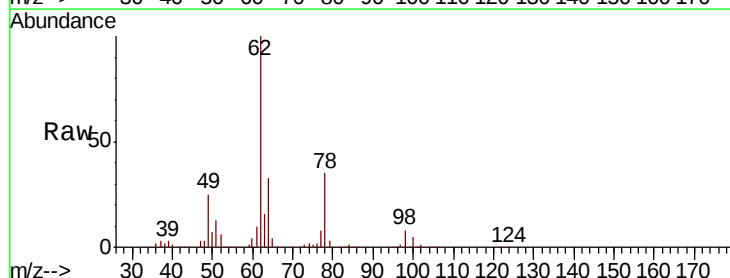
Instrument :
MSVOA_V
ClientSampled :

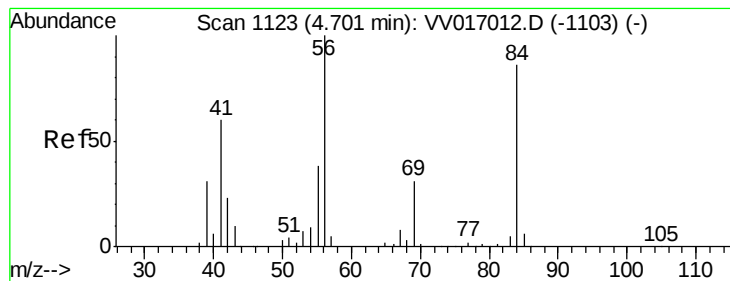
Tot Ion: 83 Resp: 227882
Ion Ratio Lower Upper
83 100
85 63.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 48.570 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

Tgt Ion: 62 Resp: 194990
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.2





#29

Cyclohexane

Concen: 44.246 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :

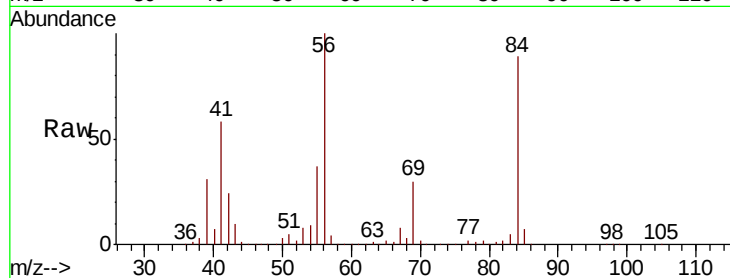
Tot Ion: 56 Resp: 194369

Ion Ratio Lower Upper

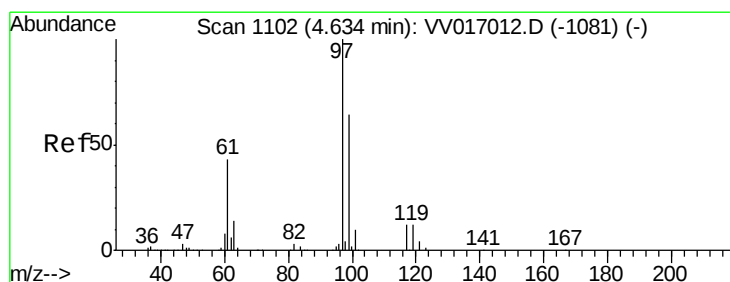
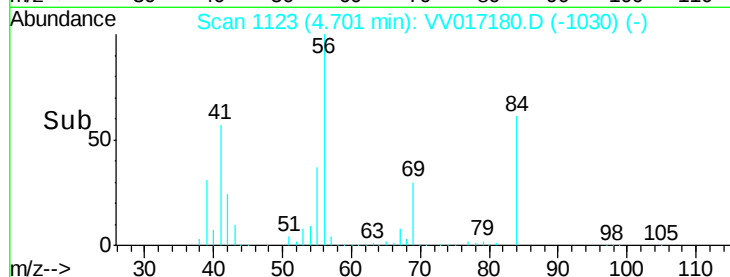
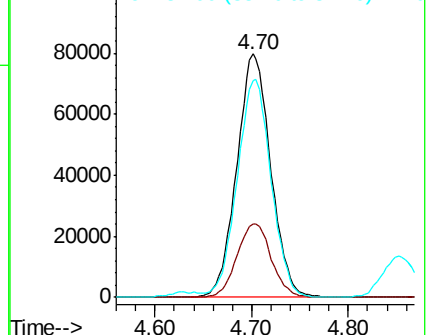
56 100

69 30.6 25.0 37.4

84 89.2 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: 47.987 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

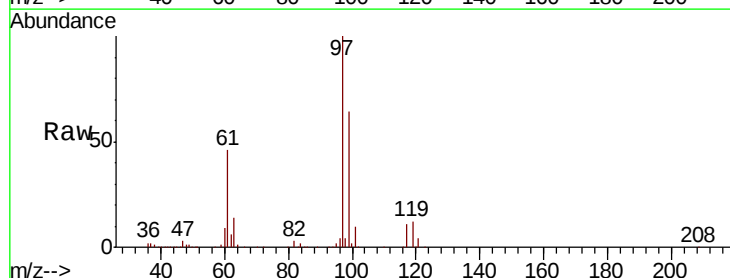
Tgt Ion: 97 Resp: 216336

Ion Ratio Lower Upper

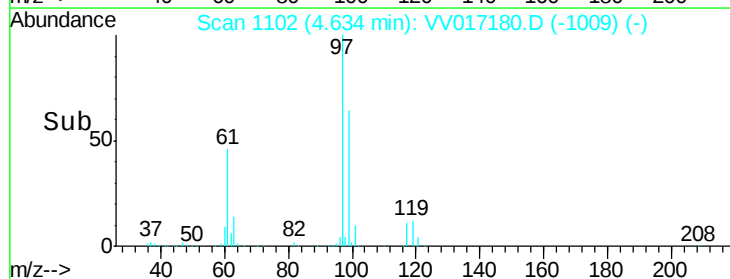
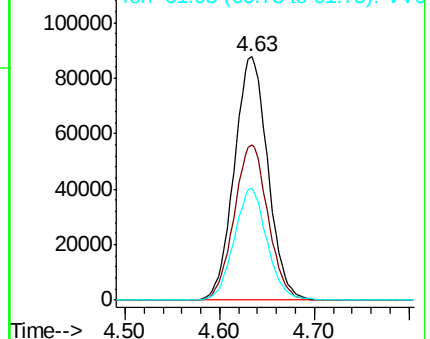
97 100

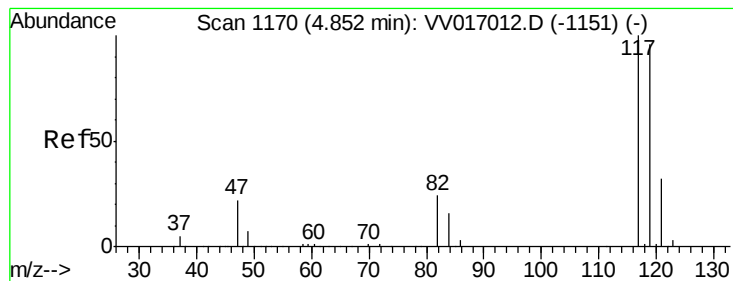
99 64.3 51.3 76.9

61 44.8 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: 50.425 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

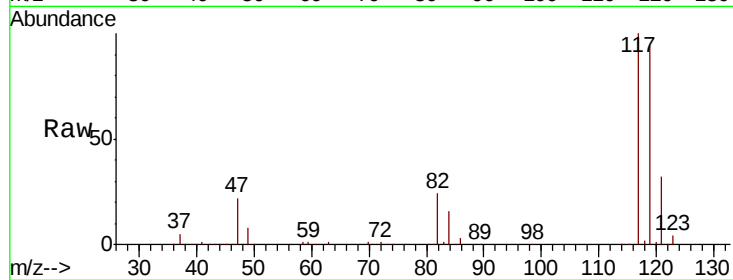
ClientSampleId :

Tot Ion:117 Resp: 196659

Ion Ratio Lower Upper

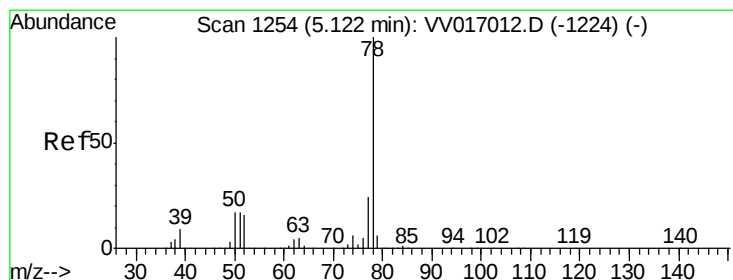
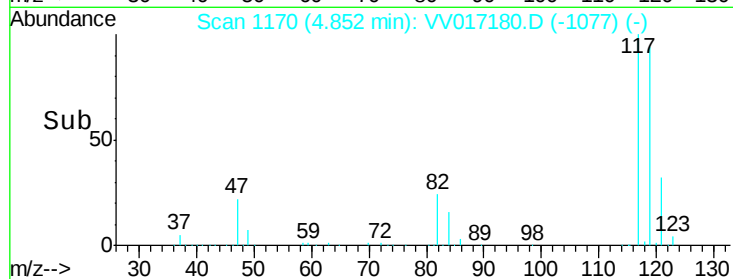
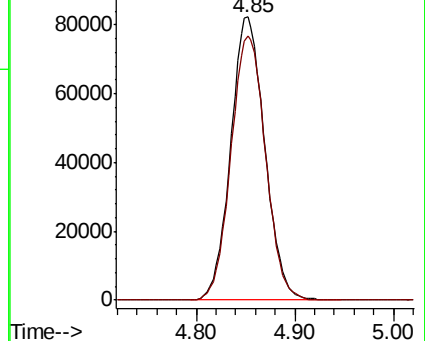
117 100

119 94.7 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: 44.225 ug/L

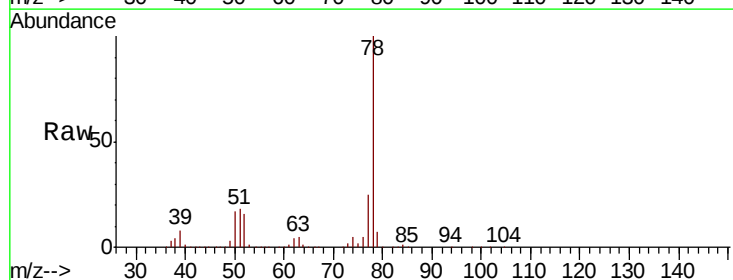
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

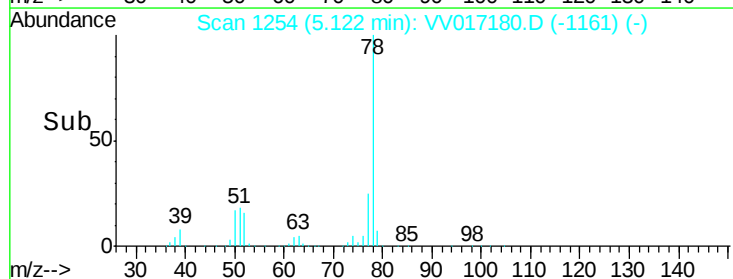
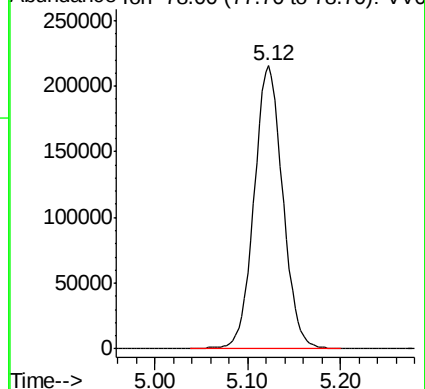
Lab File: VV017180.D

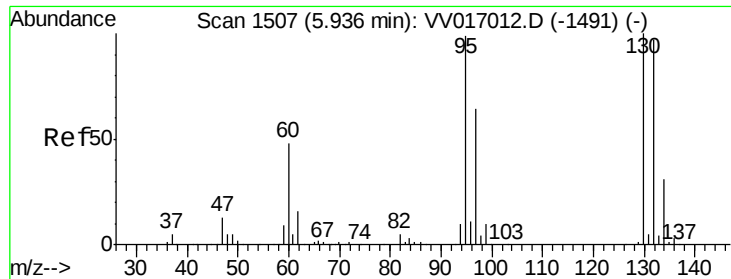
Acq: 26 Jun 2020 14:32

Tgt Ion: 78 Resp: 462557



Abundance Ion 78.00 (77.70 to 78.70): VV0

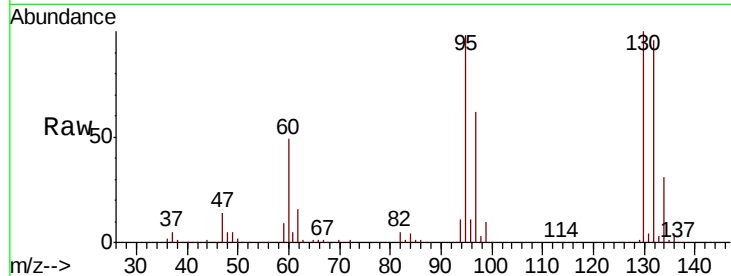




#34
 Trichloroethene
 Concen: 45.190 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	126763
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.3	82.3
132	98.3	67.9	126.1
130	102.3	72.2	134.2



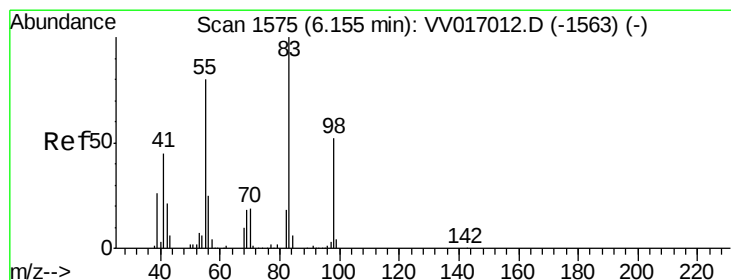
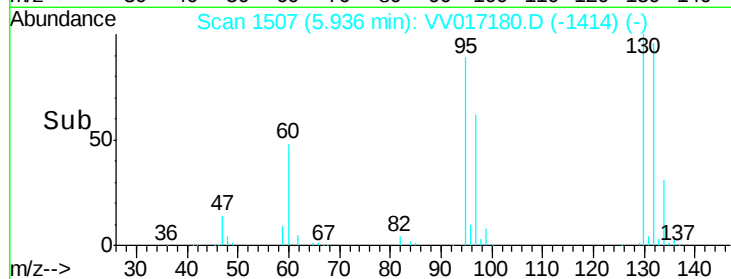
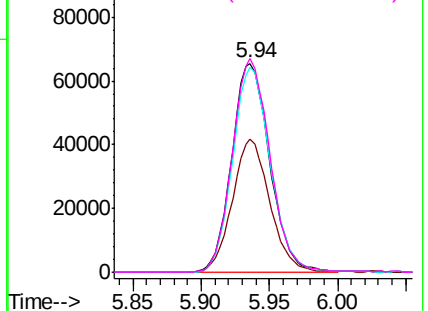
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

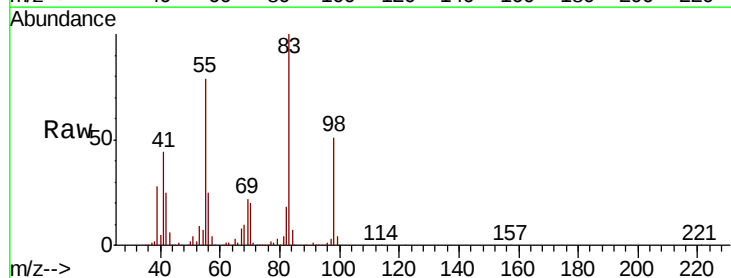
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 46.758 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Tgt Ion:	83	Resp:	205766
Ion	Ratio	Lower	Upper
83	100		
55	78.2	64.2	96.2
98	51.2	40.3	60.5

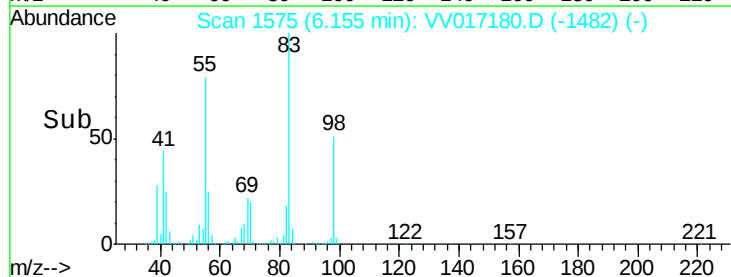
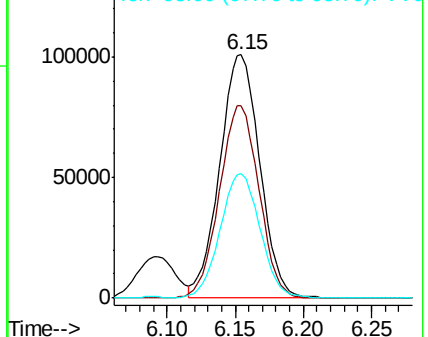


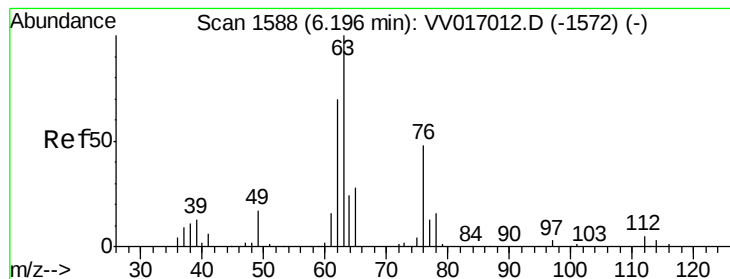
Abundance

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: 42.509 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

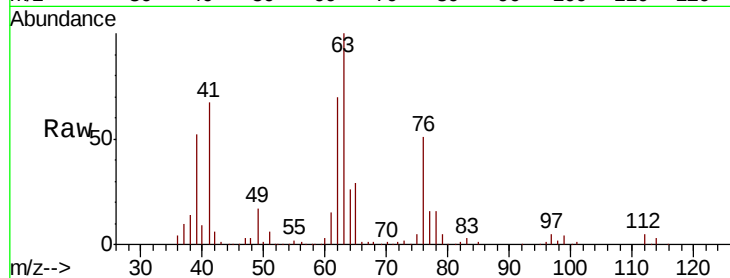
ClientSampleId :

Tot Ion: 63 Resp: 115625

Ion Ratio Lower Upper

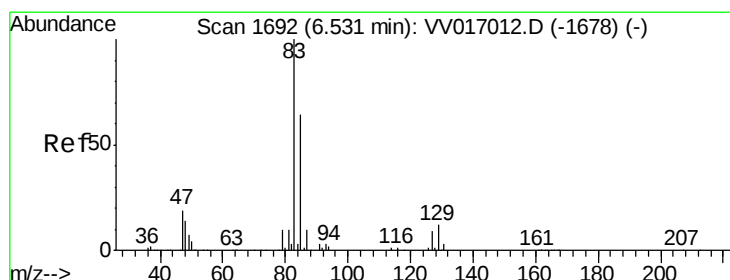
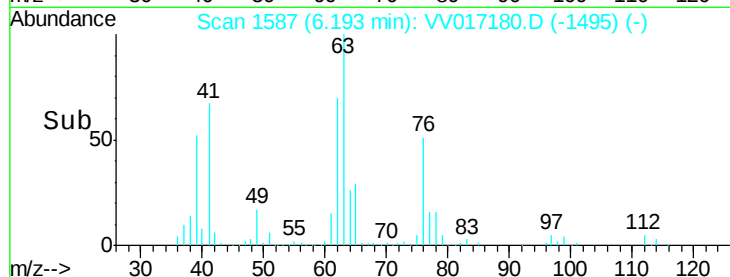
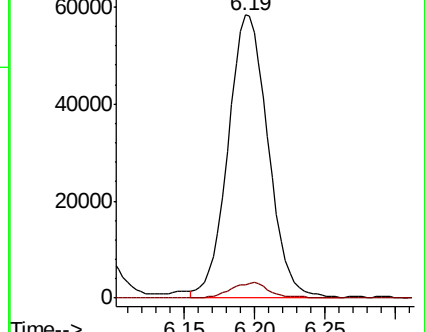
63 100

112 5.3 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV017180.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV017180.D (-1495) (-)



#38

Bromodichloromethane

Concen: 46.214 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

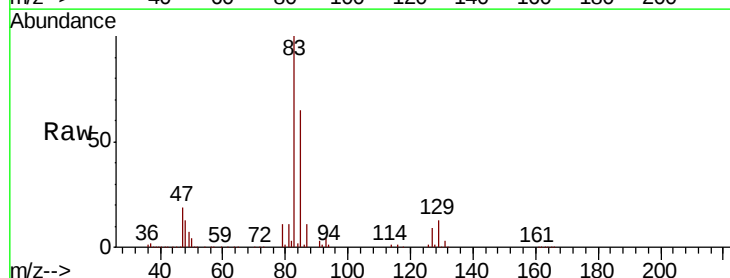
Tgt Ion: 83 Resp: 167335

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5

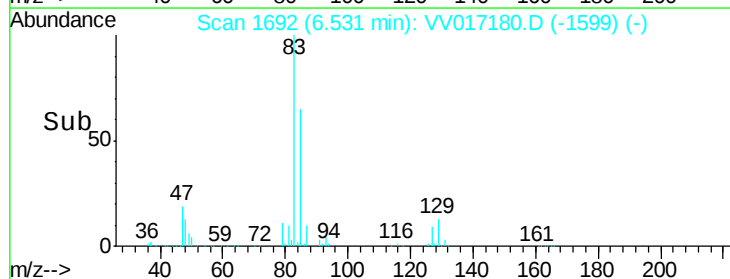
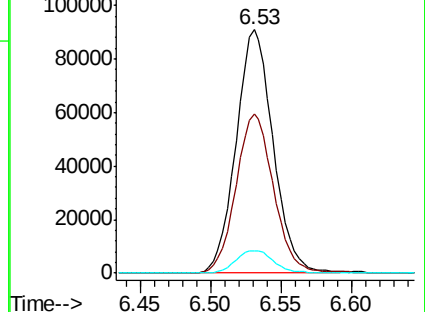
127 9.3 7.4 11.0

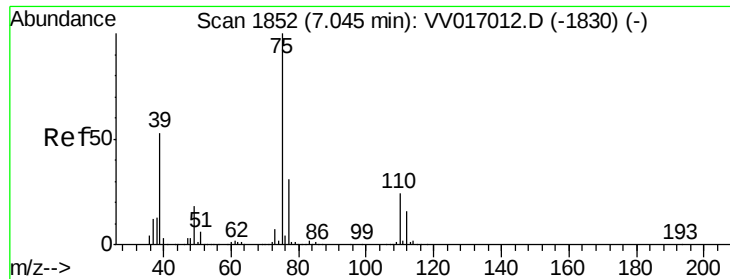


Abundance Ion 83.00 (82.70 to 83.70): VV017180.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV017180.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV017180.D (-1599) (-)

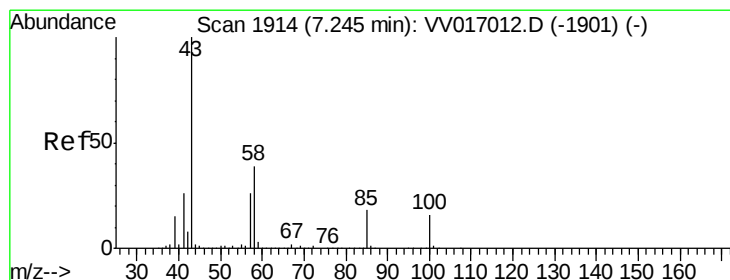
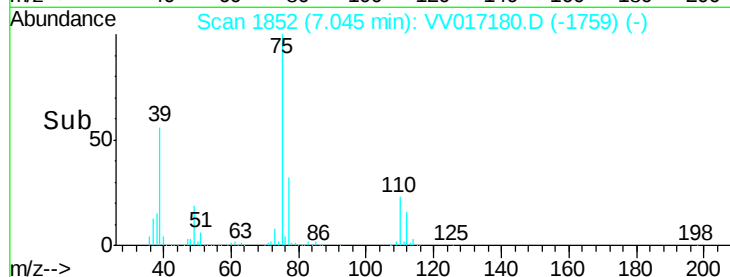
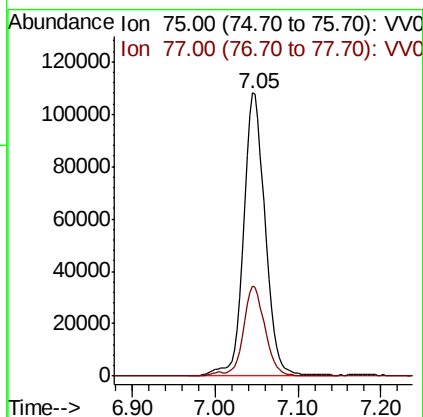
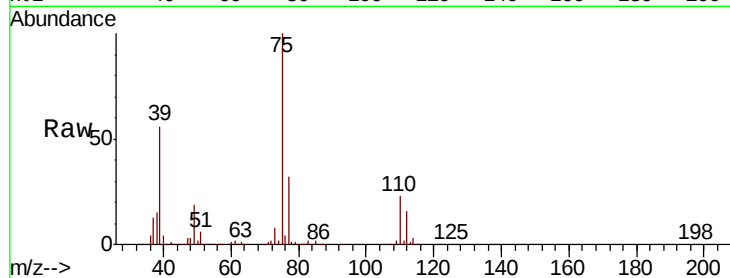




#39
 cis-1,3-Dichloropropene
 Concen: 46.581 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

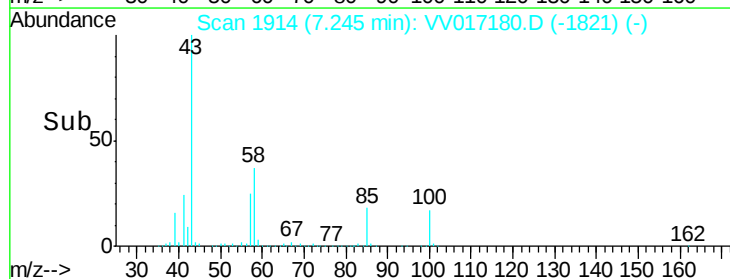
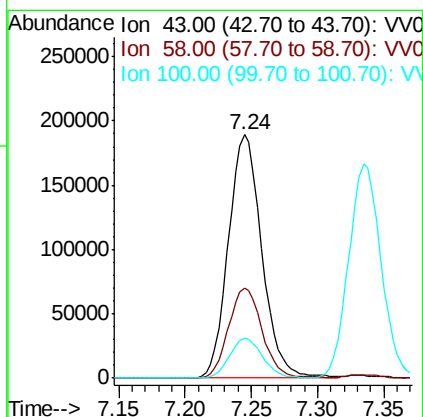
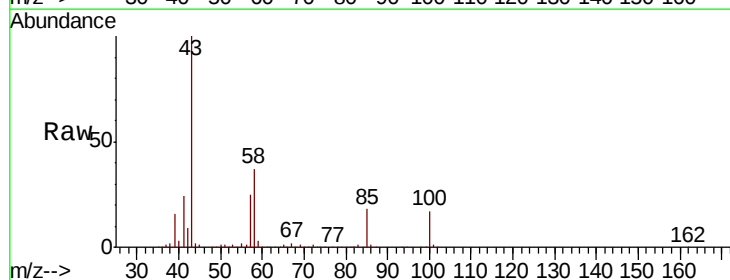
Instrument :
 MSVOA_V
 ClientSampleId :

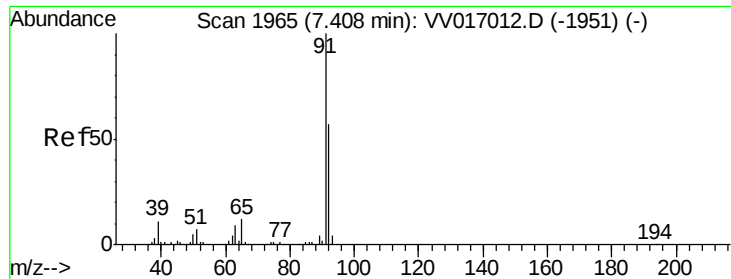
Tot Ion: 75 Resp: 196810
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 85.971 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Tgt Ion: 43 Resp: 331357
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.2 45.4
 100 16.3 12.3 18.5





#42

Toluene

Concen: 46.011 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

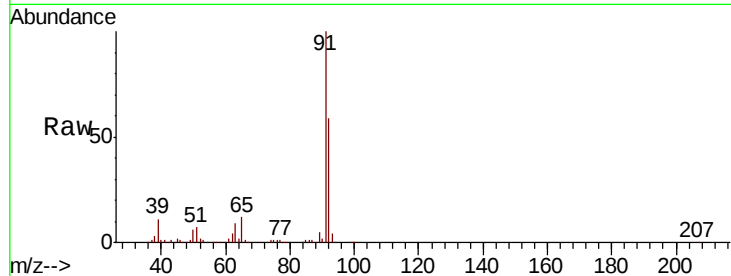
ClientSampleId :

Tot Ion: 91 Resp: 507315

Ion Ratio Lower Upper

91 100

92 59.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

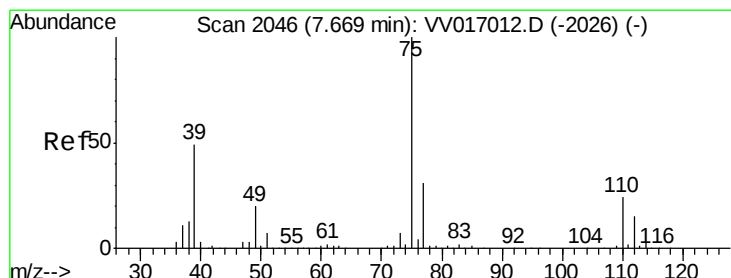
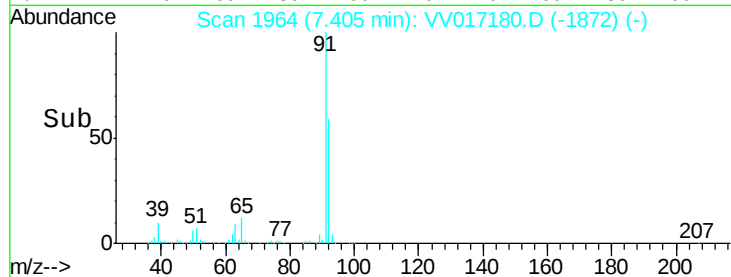
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.884 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017180.D

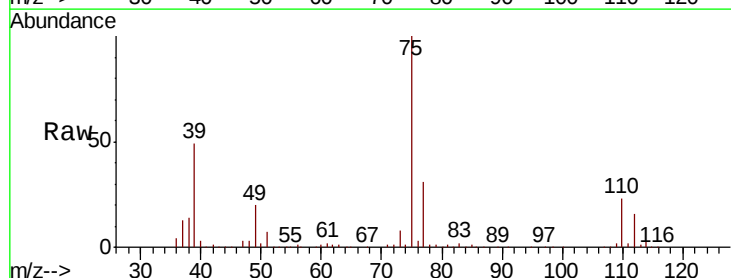
Acq: 26 Jun 2020 14:32

Tgt Ion: 75 Resp: 192580

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

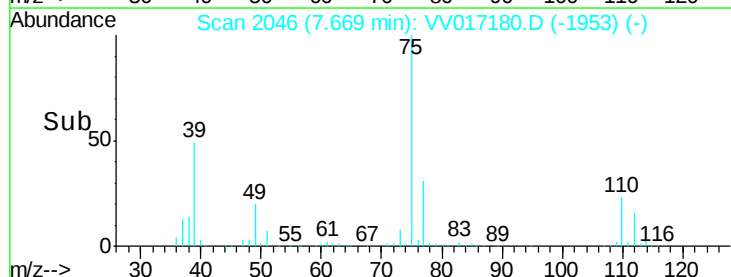
7.67

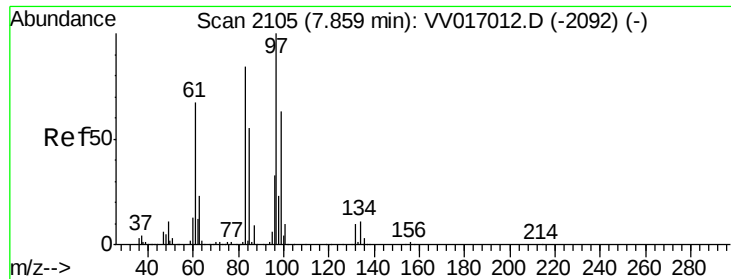
100000

50000

0

Time-->

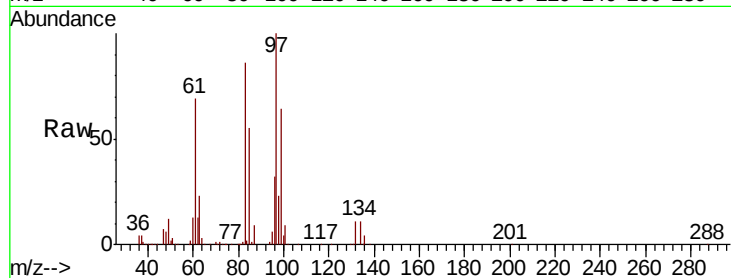




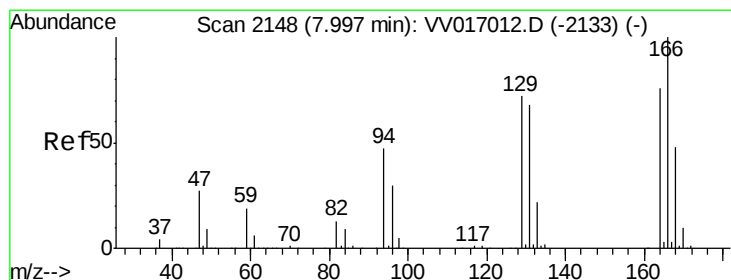
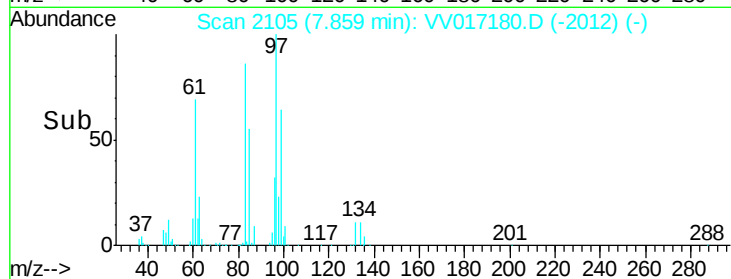
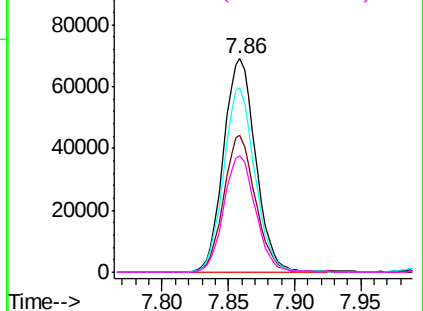
#45
 1,1,2-Trichloroethane
 Concen: 44.488 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	116746
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	82.3
83	86.0	60.0	111.4
85	54.7	39.5	73.3

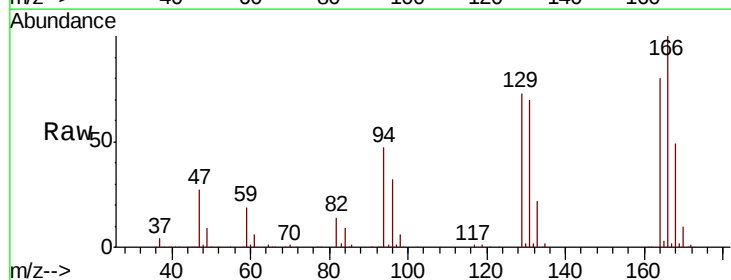


Abundance Ion 97.00 (96.70 to 97.70): VV017180.D (-2092) (-)
 Ion 99.00 (98.70 to 99.70): VV017180.D (-2092) (-)
 Ion 83.00 (82.70 to 83.70): VV017180.D (-2092) (-)
 Ion 85.00 (84.70 to 85.70): VV017180.D (-2092) (-)

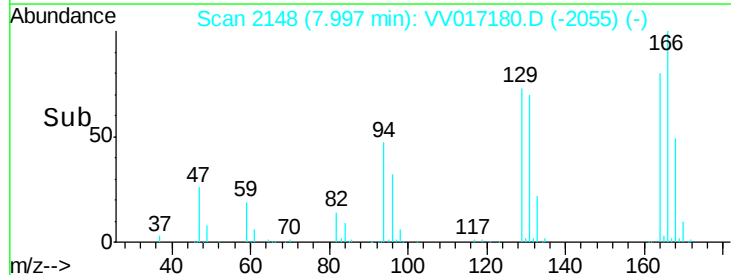
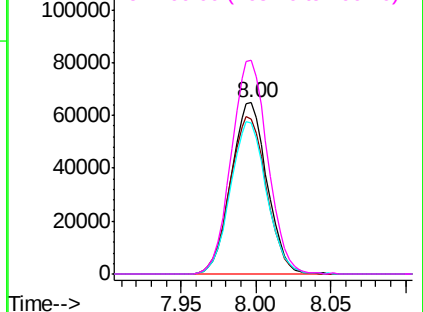


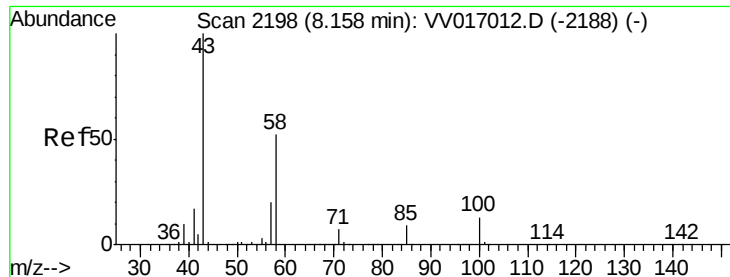
#46
 Tetrachloroethene
 Concen: 48.935 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Tgt Ion:	164	Resp:	107960
Ion	Ratio	Lower	Upper
164	100		
129	90.7	67.0	124.4
131	88.1	64.8	120.3
166	124.9	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VV017180.D (-2133) (-)
 Ion 129.00 (128.70 to 129.70): VV017180.D (-2133) (-)
 Ion 131.00 (130.70 to 131.70): VV017180.D (-2133) (-)
 Ion 166.00 (165.70 to 166.70): VV017180.D (-2133) (-)

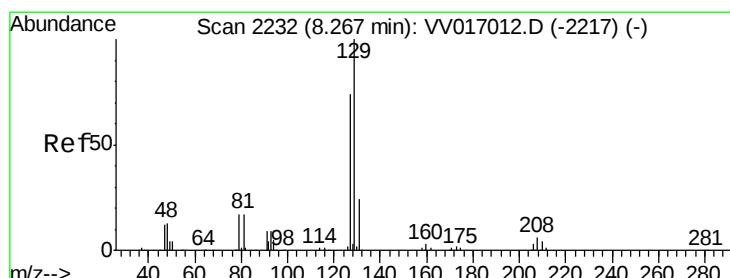
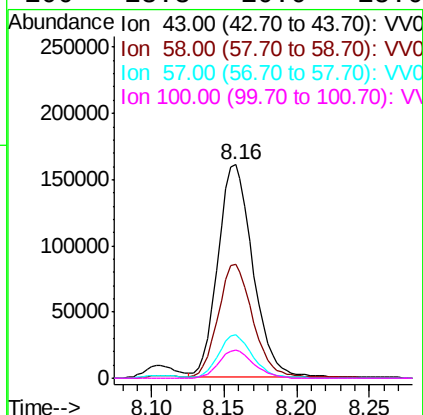
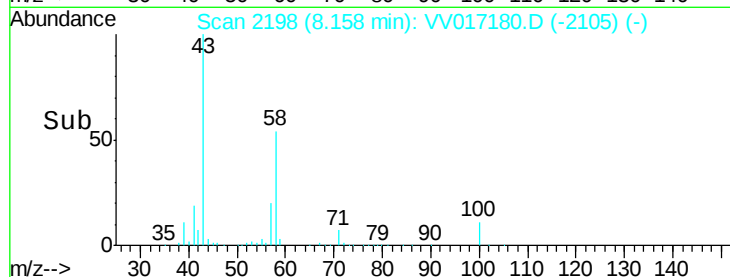
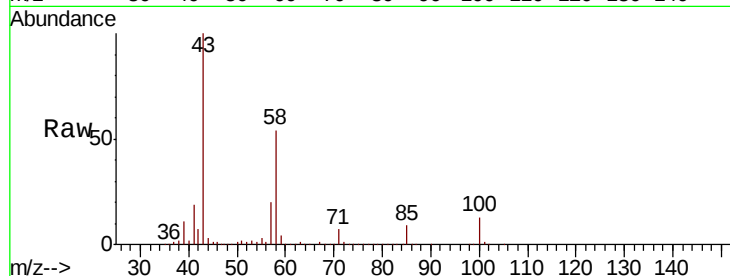




#48
2-Hexanone
Concen: 89.371 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

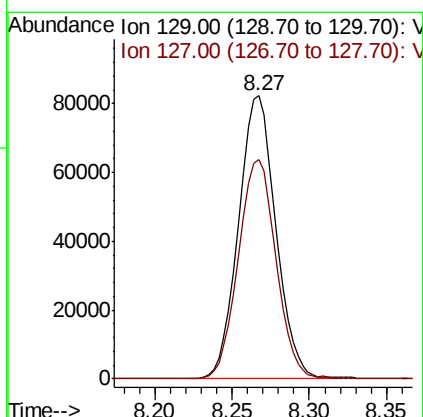
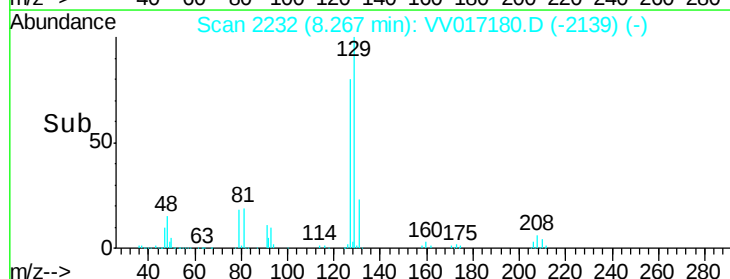
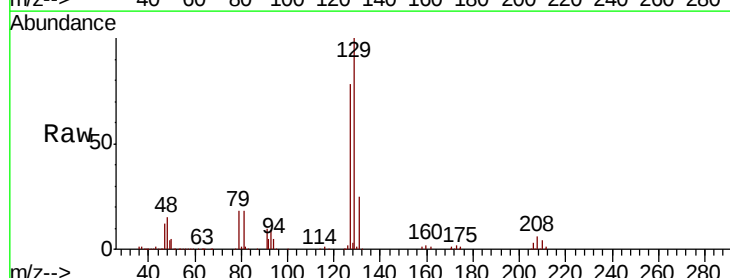
Instrument :
MSVOA_V
ClientSampled :

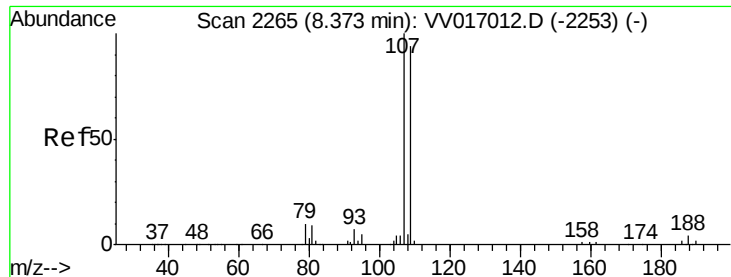
Tot Ion: 43 Resp: 267085
Ion Ratio Lower Upper
43 100
58 53.3 43.1 64.7
57 20.4 15.3 22.9
100 13.3 10.0 15.0



#49
Dibromochloromethane
Concen: 49.321 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

Tgt Ion: 129 Resp: 138387
Ion Ratio Lower Upper
129 100
127 77.7 54.2 100.6

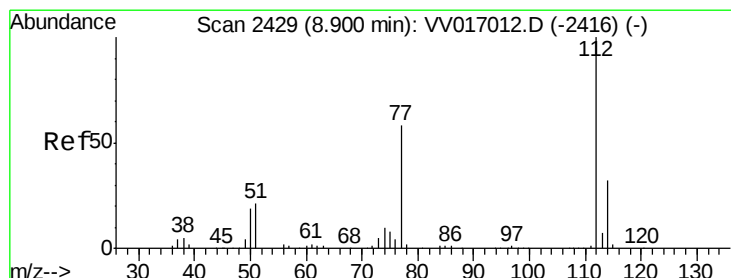
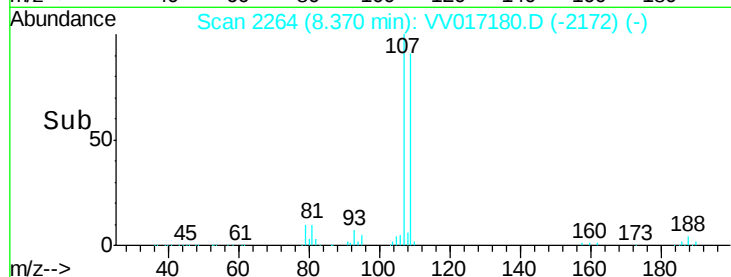
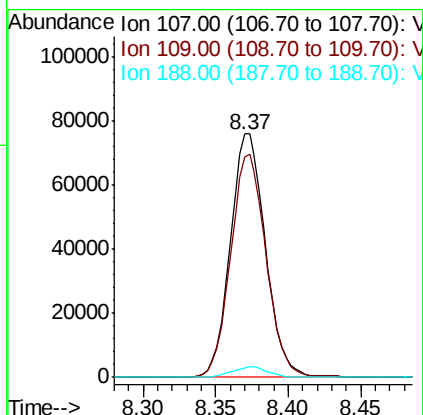
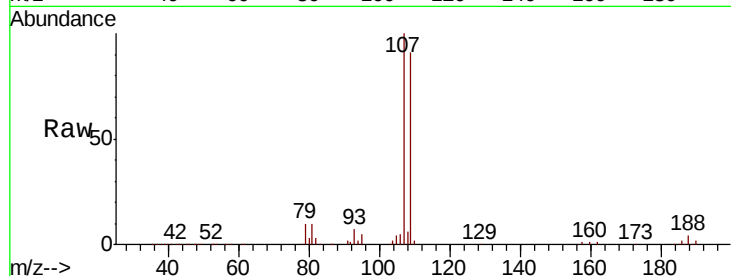




#50
1,2-Dibromoethane
Concen: 46.409 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

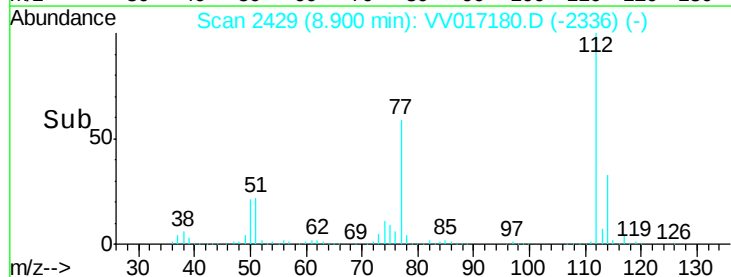
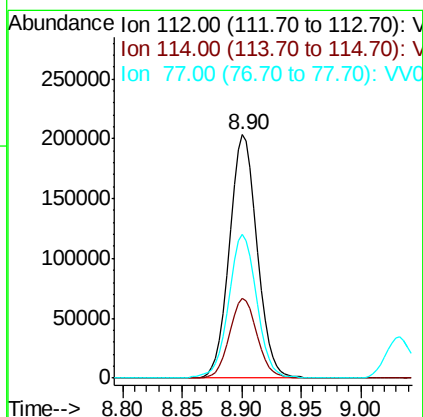
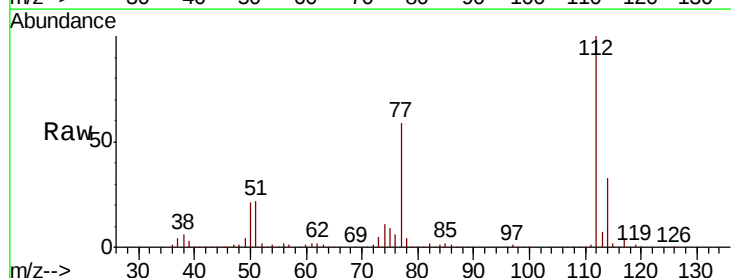
Instrument :
MSVOA_V
ClientSampleId :

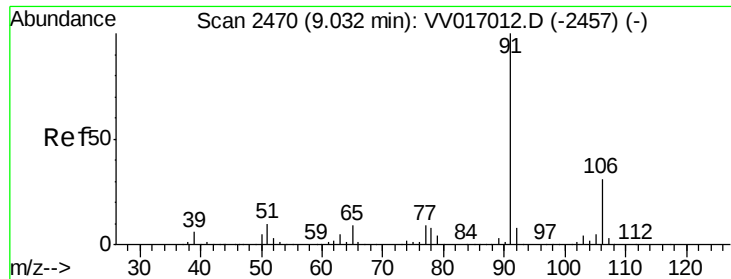
Tot Ion:107 Resp: 127533
Ion Ratio Lower Upper
107 100
109 90.5 66.4 123.2
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 45.691 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017180.D
Acq: 26 Jun 2020 14:32

Tgt Ion:112 Resp: 328684
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.3
77 59.0 47.9 71.9





#52

Ethylbenzene

Concen: 46.658 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

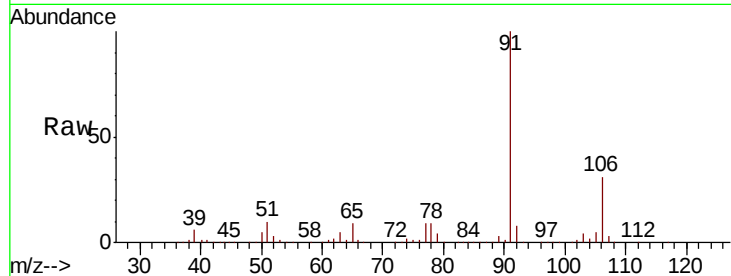
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 569827

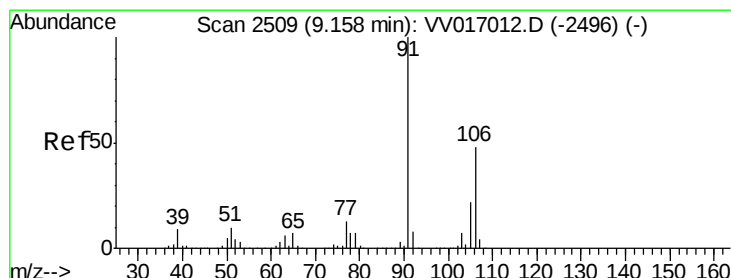
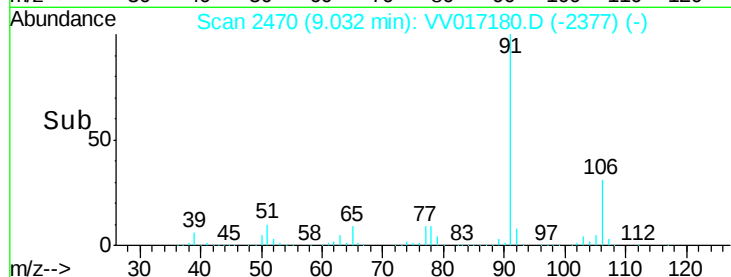
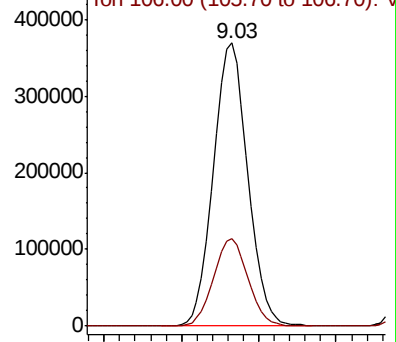
Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV017180.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.207 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017180.D

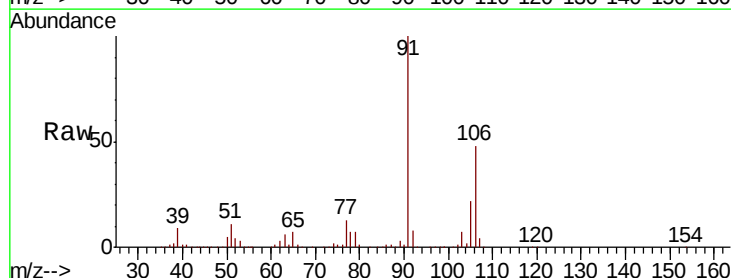
Acq: 26 Jun 2020 14:32

Tgt Ion: 106 Resp: 219208

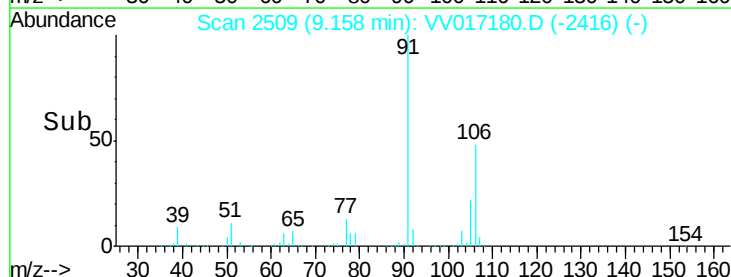
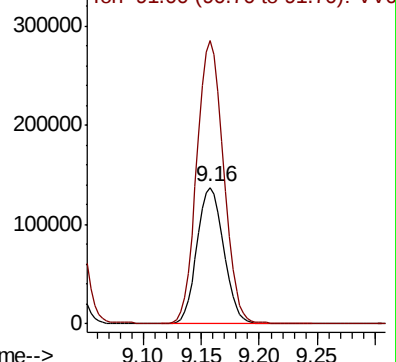
Ion Ratio Lower Upper

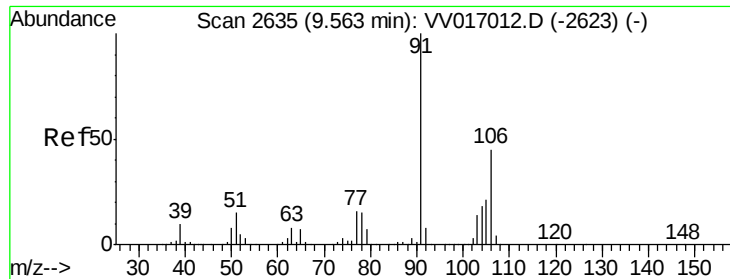
106 100

91 207.2 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV017180.D (-2416) (-)





#54

o-xylene

Concen: 47.046 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

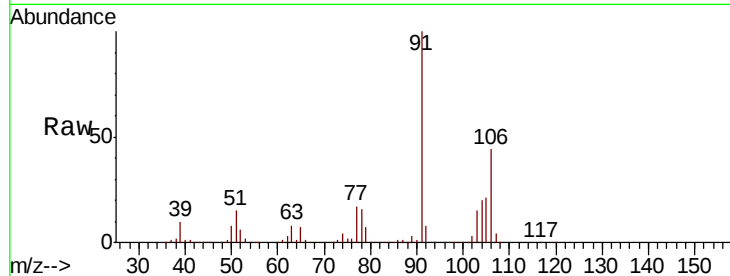
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 210987

Ion Ratio Lower Upper

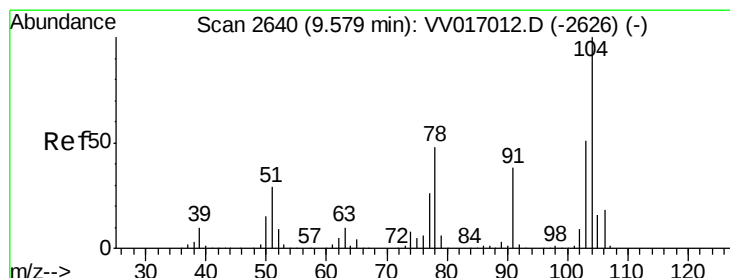
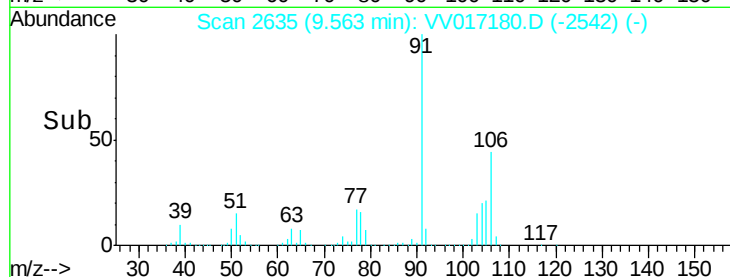
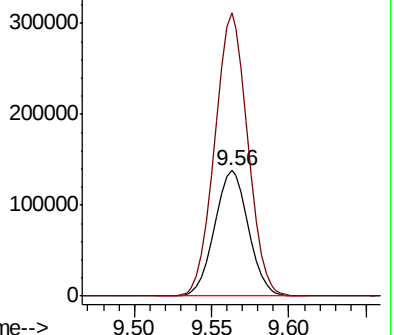
106 100

91 225.4 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.806 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017180.D

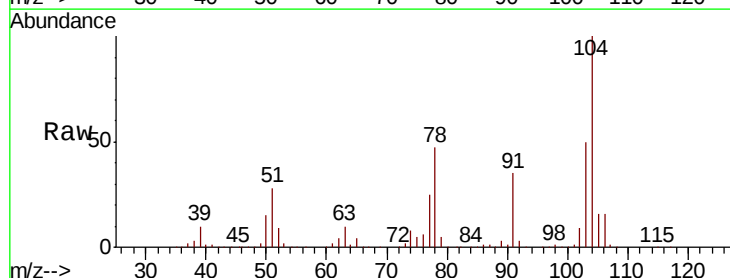
Acq: 26 Jun 2020 14:32

Tgt Ion:104 Resp: 370058

Ion Ratio Lower Upper

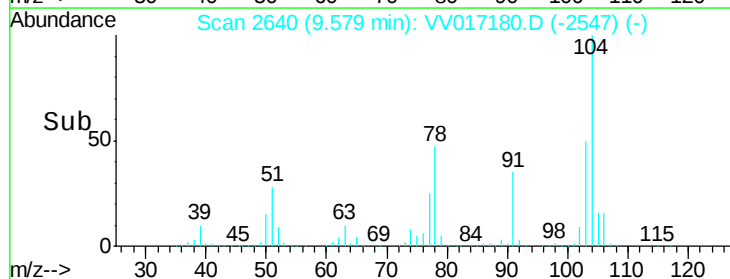
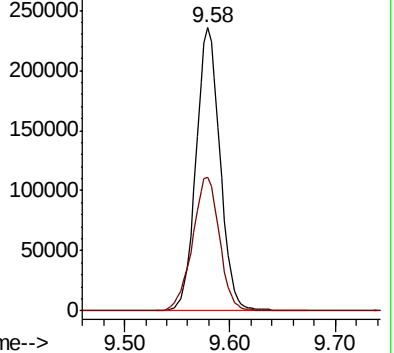
104 100

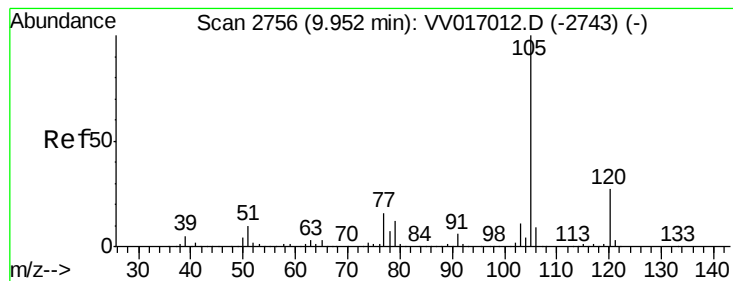
78 47.3 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.042 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

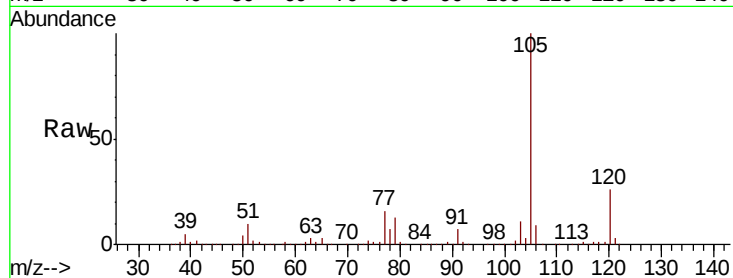
Tot Ion:105 Resp: 578913

Ion Ratio Lower Upper

105 100

120 25.9 21.2 31.8

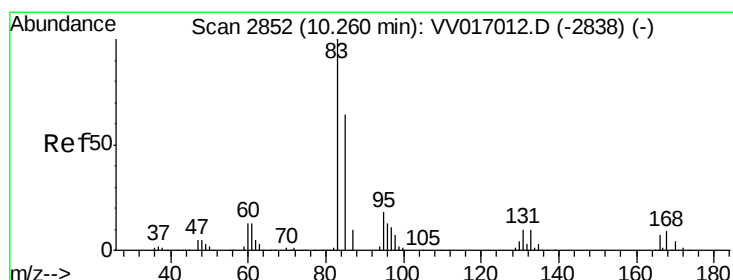
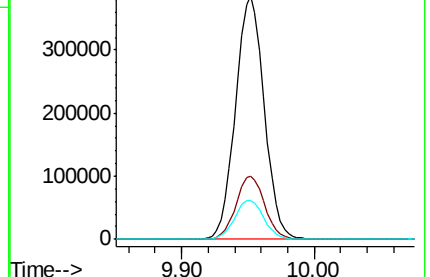
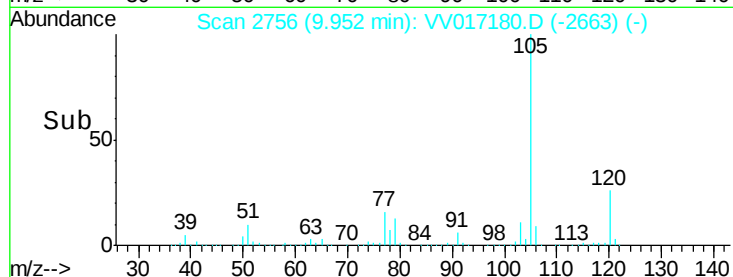
77 16.3 13.0 19.4



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: 44.631 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

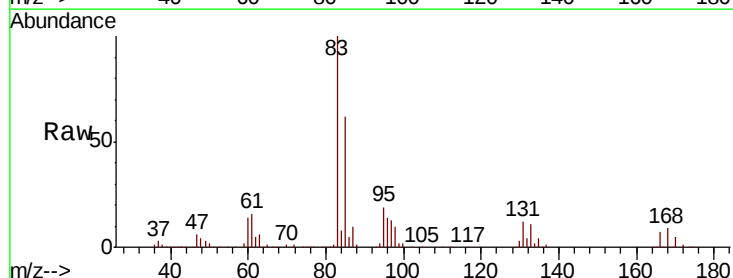
Tgt Ion: 83 Resp: 179573

Ion Ratio Lower Upper

83 100

85 62.0 46.8 86.8

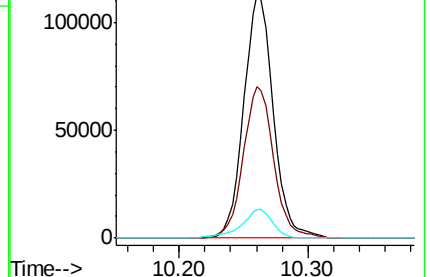
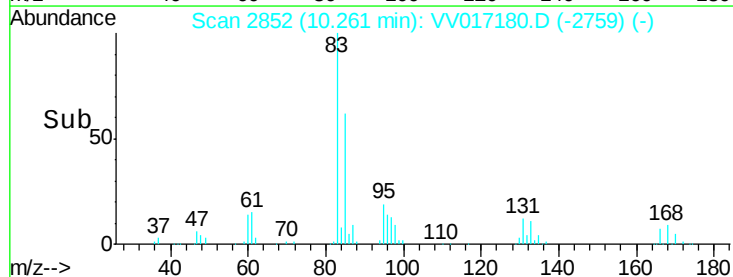
131 11.7 7.9 11.9

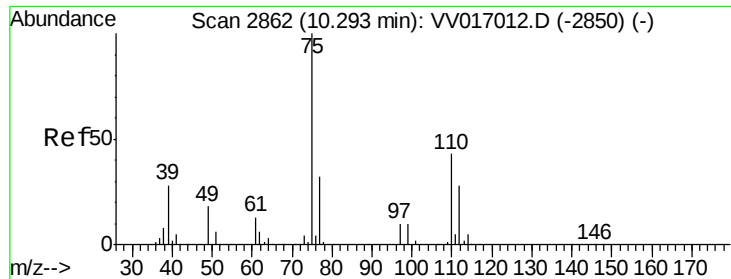


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.155 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

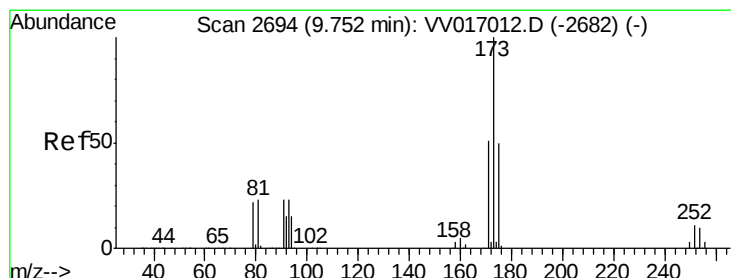
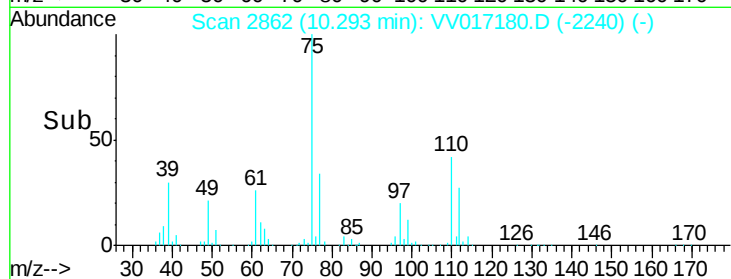
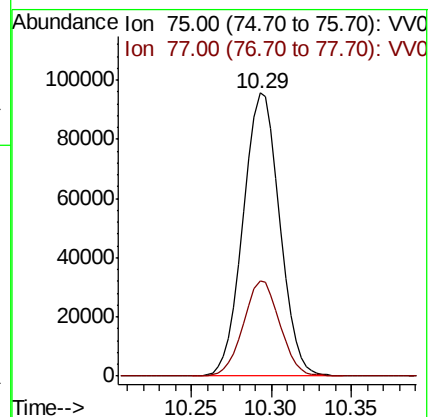
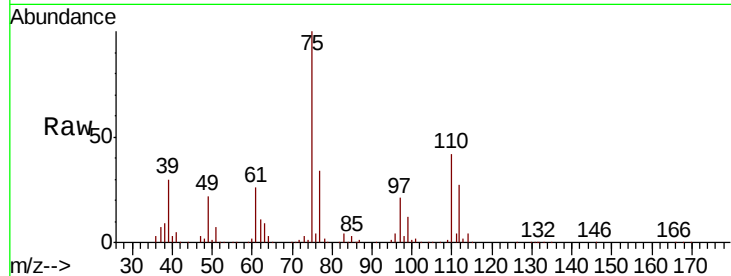
ClientSampled :

Tot Ion: 75 Resp: 149013

Ion Ratio Lower Upper

75 100

77 33.6 26.1 39.1



#61

Bromoform

Concen: 51.088 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

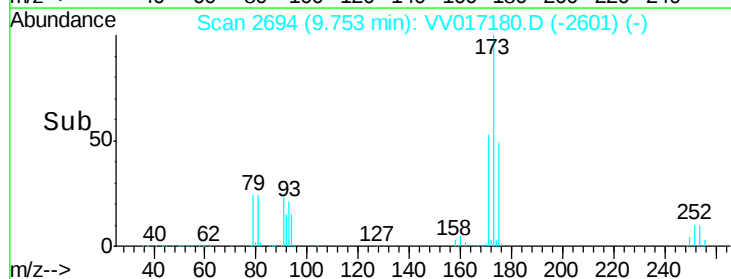
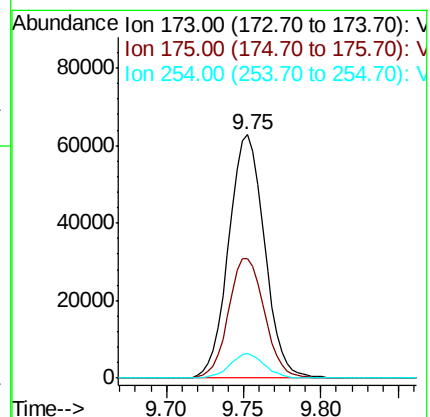
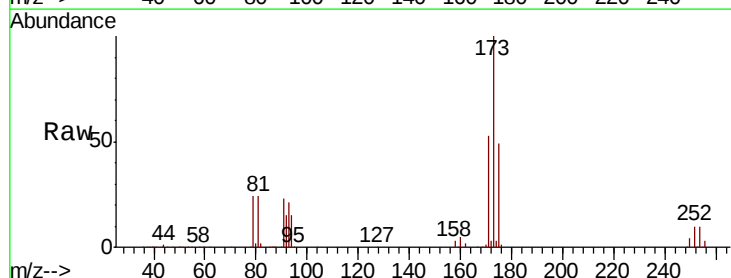
Tgt Ion: 173 Resp: 100767

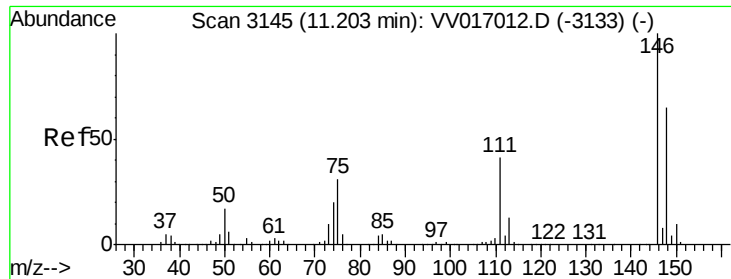
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 9.6 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 45.548 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

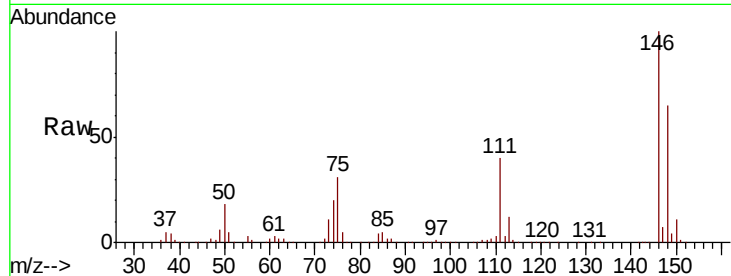
Tot Ion:146 Resp: 276644

Ion Ratio Lower Upper

146 100

111 40.0 28.3 52.7

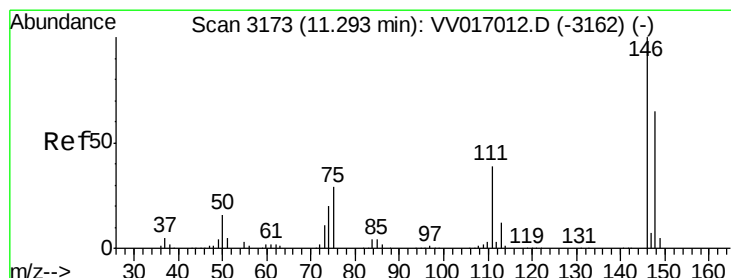
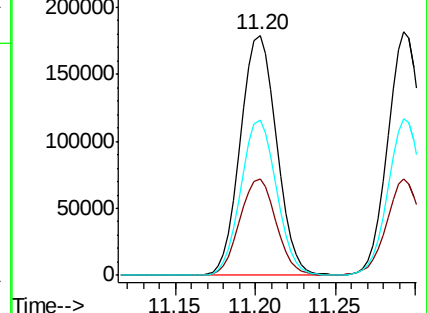
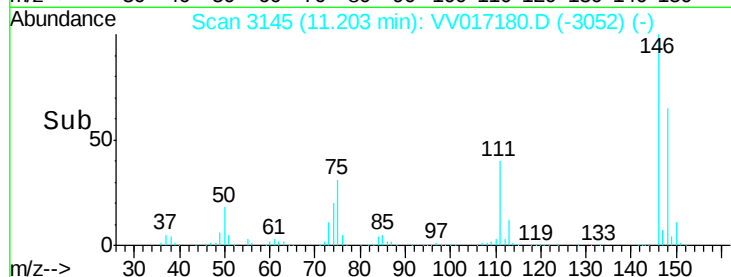
148 64.6 44.2 82.2



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: 45.047 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

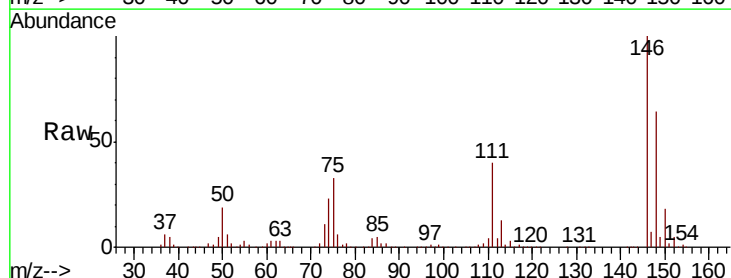
Tgt Ion:146 Resp: 278380

Ion Ratio Lower Upper

146 100

111 39.5 26.7 49.7

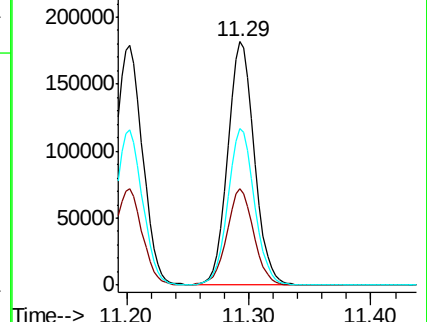
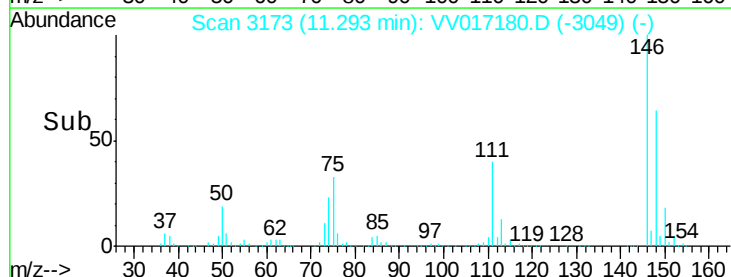
148 64.1 43.5 80.9

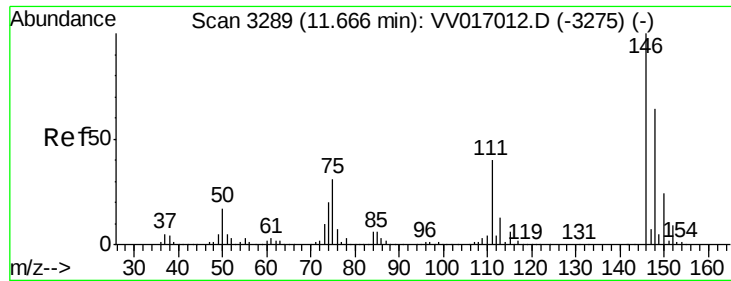


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.485 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

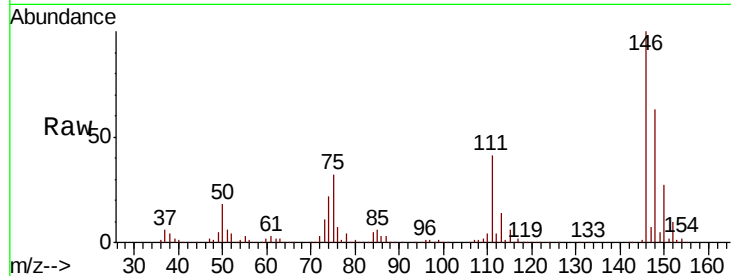
Tot Ion:146 Resp: 276857

Ion Ratio Lower Upper

146 100

111 41.3 33.7 50.5

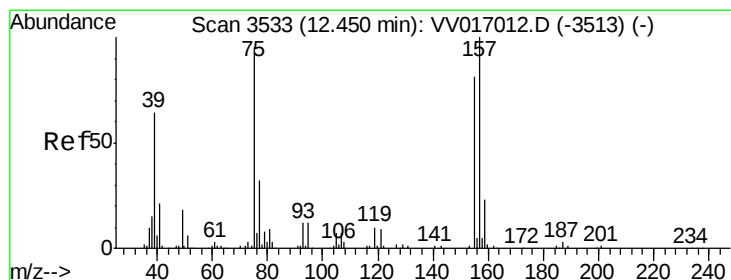
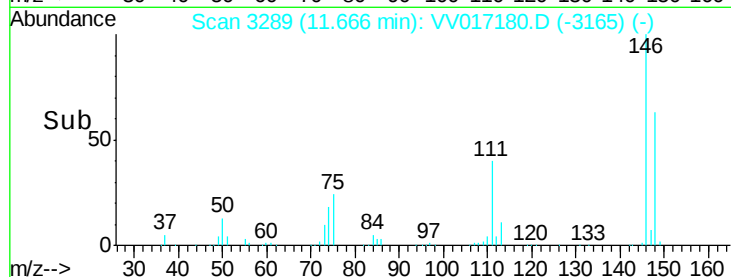
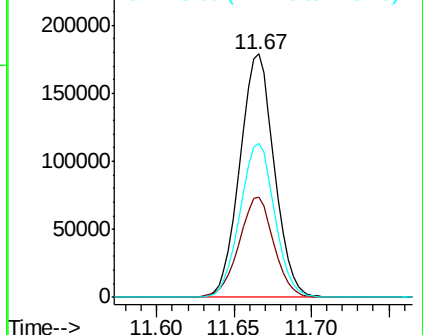
148 63.4 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 46.223 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

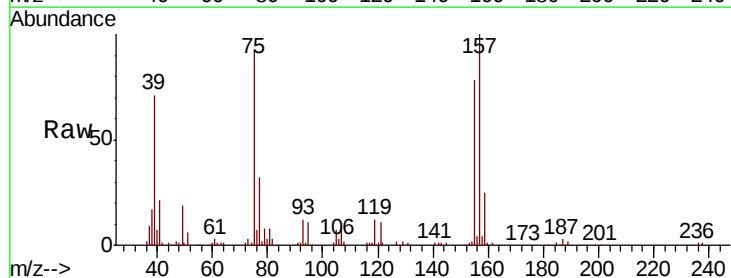
Tgt Ion: 75 Resp: 44239

Ion Ratio Lower Upper

75 100

155 83.5 69.8 104.6

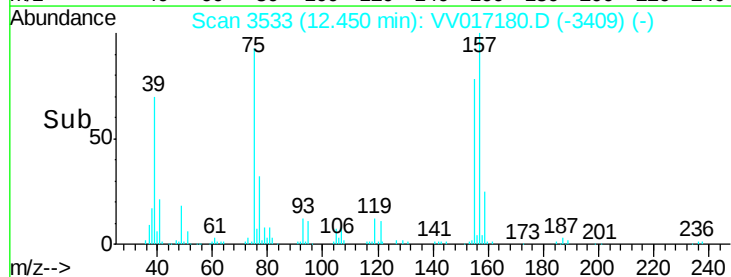
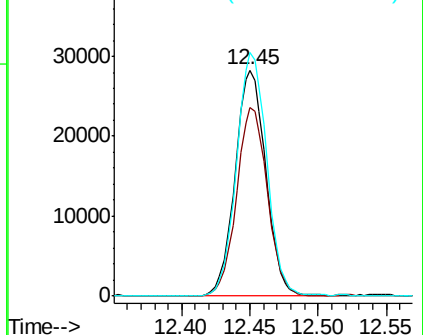
157 107.6 83.4 125.2

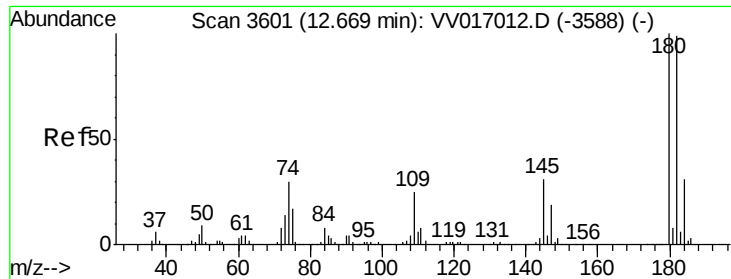


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

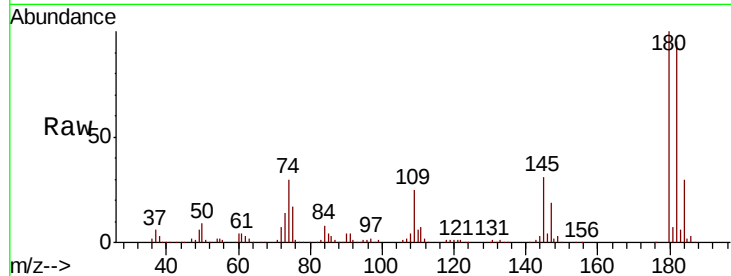




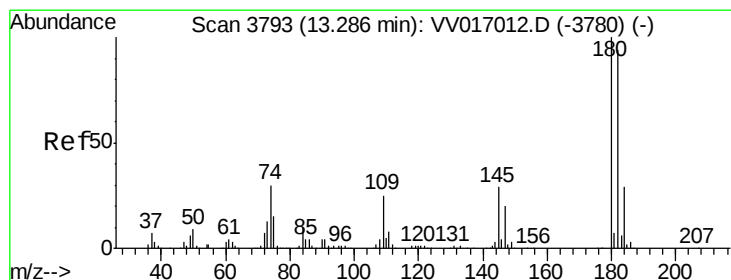
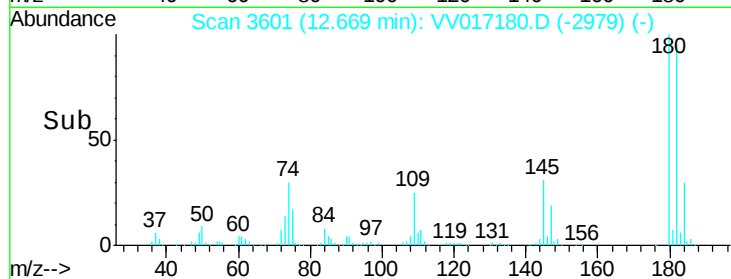
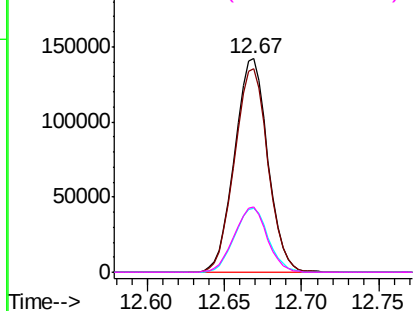
#67
 1,3,5-Trichlorobenzene
 Concen: 46.784 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 211890
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.0 112.6
 184 30.2 24.5 36.7
 145 30.3 24.4 36.6

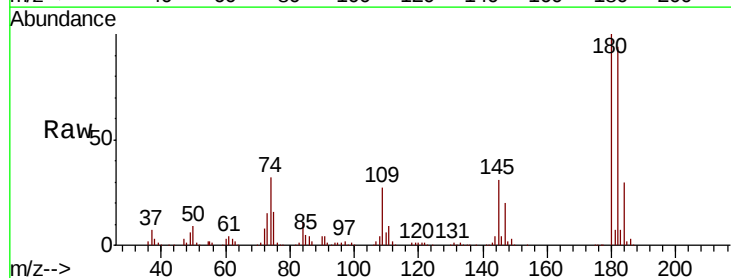


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

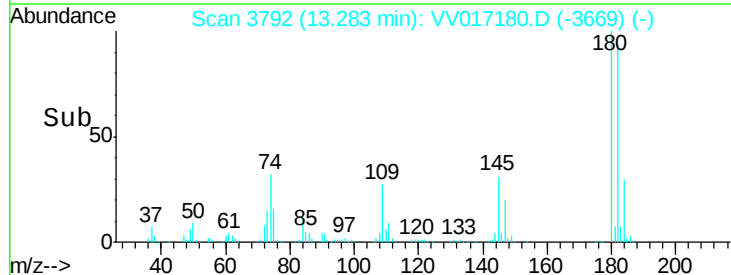
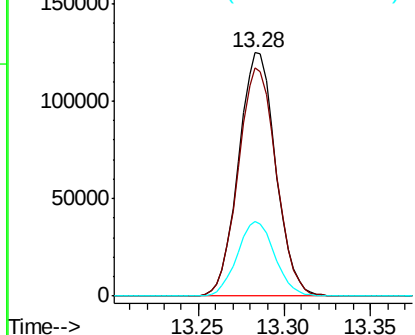


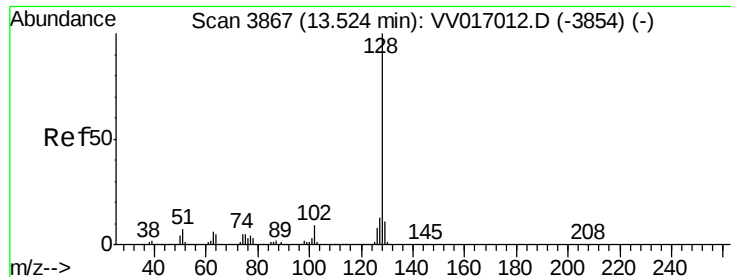
#68
 1,2,4-trichlorobenzene
 Concen: 45.177 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017180.D
 Acq: 26 Jun 2020 14:32

Tgt Ion:180 Resp: 187677
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.9 115.3
 145 31.0 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: 47.560 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

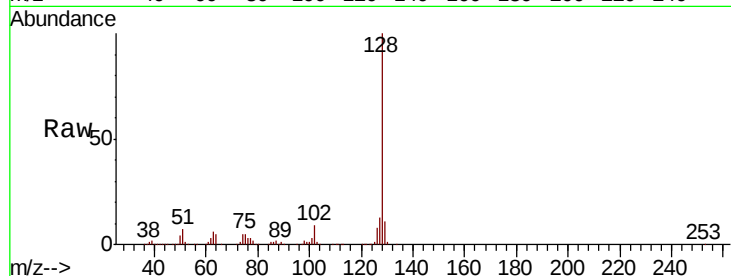
Tot Ion:128 Resp: 568327

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

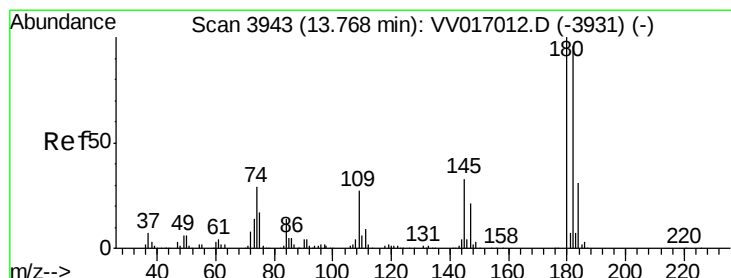
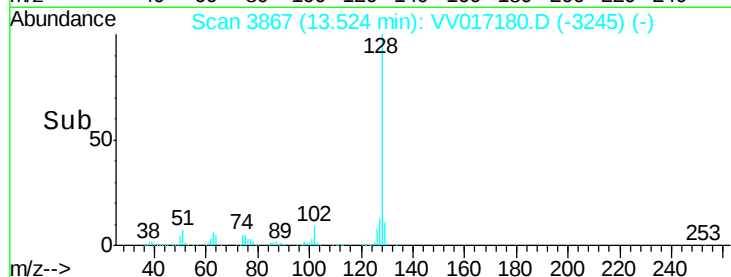
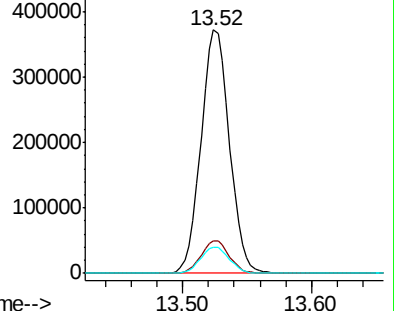
129 10.8 8.7 13.1



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: 47.483 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017180.D

Acq: 26 Jun 2020 14:32

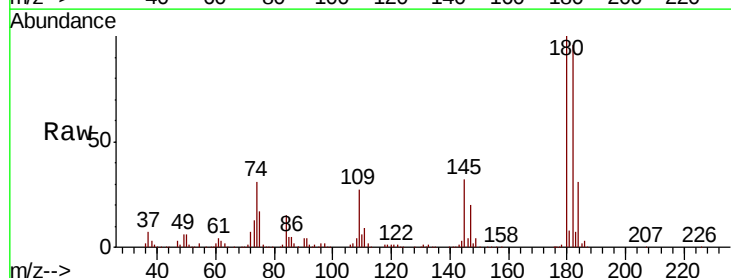
Tgt Ion:180 Resp: 193007

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 32.3 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

