

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019025.D
 Acq On : 20 Oct 2020 19:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 06:12:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311187	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127492	49.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.54%
7) Chloroethane-d5	1.58	69	103396	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.90%
11) 1,1-Dichloroethene-d2	2.12	63	248509	51.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.78%
21) 2-Butanone-d5	3.91	46	180436	101.06	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	4.38	84	232041	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
26) 1,2-Dichloroethane-d4	5.06	65	151846	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
32) Benzene-d6	5.07	84	441279	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
36) 1,2-Dichloropropane-d6	6.09	67	140031	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.72%
41) Toluene-d8	7.34	98	371548	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%
43) trans-1,3-Dichloropropene-	7.64	79	64566	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.11	63	99328	99.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.98%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	155346	49.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	151456	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	126629	46.994	ug/L	99
3) Chloromethane	1.25	50	140437	46.213	ug/L	100
5) Vinyl chloride	1.32	62	148113	50.427	ug/L	100
6) Bromomethane	1.53	94	86563	48.304	ug/L	99
8) Chloroethane	1.60	64	93711	53.196	ug/L	98
9) Trichlorofluoromethane	1.77	101	202276	52.176	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108932	53.960	ug/L	98
12) 1,1-Dichloroethene	2.13	96	105948	51.789	ug/L	96
13) Acetone	2.20	43	130388	99.938	ug/L	99
14) Carbon disulfide	2.31	76	328746	47.167	ug/L	100
15) Methyl Acetate	2.45	43	141028	52.619	ug/L	98
16) Methylene chloride	2.52	84	125522	51.145	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	114275	50.320	ug/L	96
18) Methyl tert-butyl Ether	2.78	73	375780	52.373	ug/L	99
19) 1,1-Dichloroethane	3.21	63	231467	52.391	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	125179	52.008	ug/L	100
22) 2-Butanone	4.00	43	190402	107.332	ug/L	96

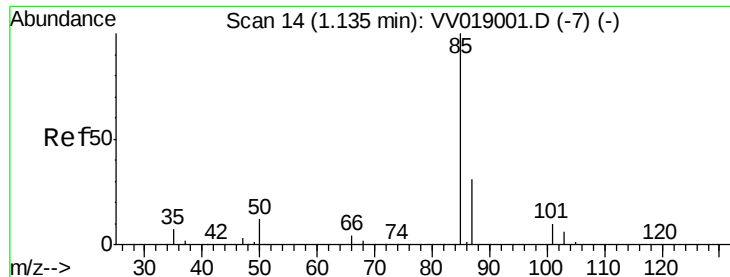
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	63126	50.783	ug/L	94
25) Chloroform	4.40	83	230399	51.860	ug/L	99
27) 1,2-Dichloroethane	5.15	62	188319	51.890	ug/L	100
29) Cyclohexane	4.70	56	198071	58.170	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	197899	55.664	ug/L	98
31) Carbon tetrachloride	4.86	117	168907	55.820	ug/L	100
33) Benzene	5.13	78	483306	55.027	ug/L	100
34) Trichloroethene	5.94	95	132446	52.292	ug/L	98
35) Methylcyclohexane	6.15	83	170091	55.449	ug/L	99
37) 1,2-Dichloropropane	6.20	63	129438	55.051	ug/L	99
38) Bromodichloromethane	6.53	83	154482	51.247	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	175958	49.805	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	331188	102.141	ug/L	99
42) Toluene	7.41	91	467329	51.517	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	180935	52.848	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	106709	48.791	ug/L	98
46) Tetrachloroethene	8.00	164	90286	50.580	ug/L	98
48) 2-Hexanone	8.16	43	257135	100.018	ug/L	99
49) Dibromochloromethane	8.27	129	121058	52.283	ug/L	97
50) 1,2-Dibromoethane	8.37	107	111559	48.945	ug/L	98
51) Chlorobenzene	8.90	112	296982	50.215	ug/L	99
52) Ethylbenzene	9.03	91	514518	52.395	ug/L	99
53) m,p-Xylene	9.16	106	191428	52.324	ug/L	100
54) o-xylene	9.56	106	185071	52.875	ug/L	100
55) Styrene	9.58	104	330437	53.673	ug/L	98
56) Isopropylbenzene	9.95	105	498007	54.198	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	152672	51.410	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	142197	49.963	ug/L	99
61) Bromoform	9.75	173	85635	50.380	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	243268	50.431	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	249576	49.212	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	244188	50.174	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	35187	48.516	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	167547	51.706	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	156522	52.422	ug/L	99
69) Naphthalene	13.52	128	452437	53.393	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	159924	53.583	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.994 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

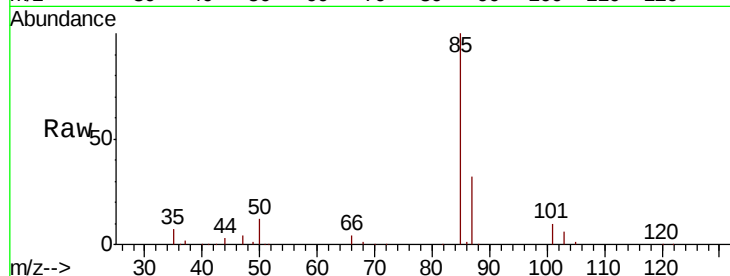
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 126629

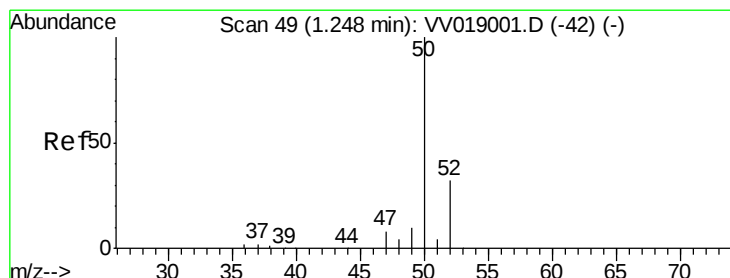
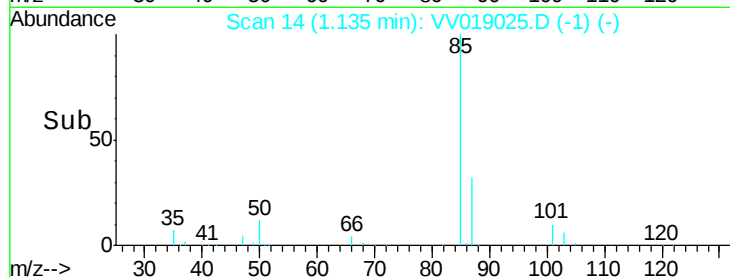
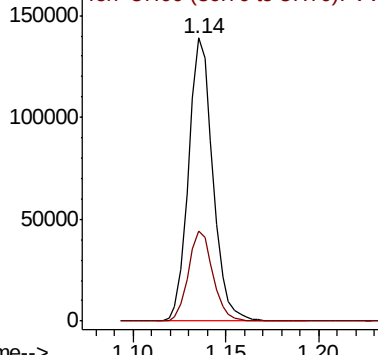
Ion Ratio Lower Upper

85 100

87 32.1 25.3 37.9



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



#3

Chloromethane

Concen: 46.213 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019025.D

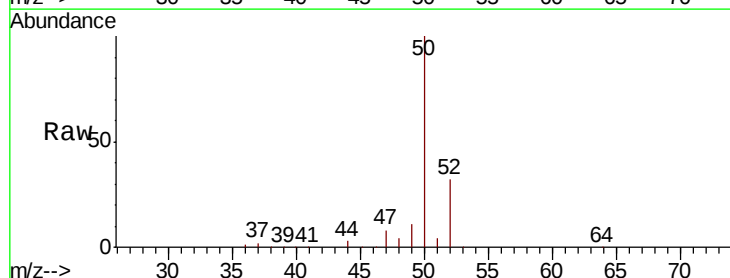
Acq: 20 Oct 2020 19:55

Tgt Ion: 50 Resp: 140437

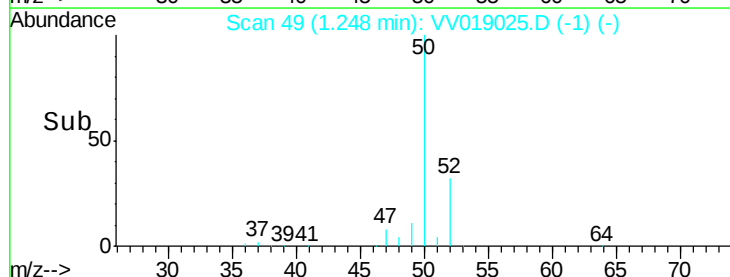
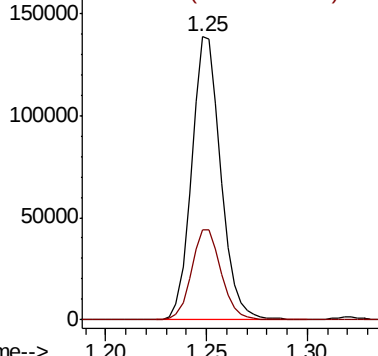
Ion Ratio Lower Upper

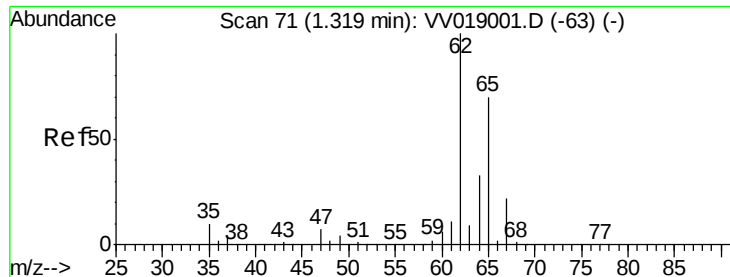
50 100

52 32.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 50.427 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

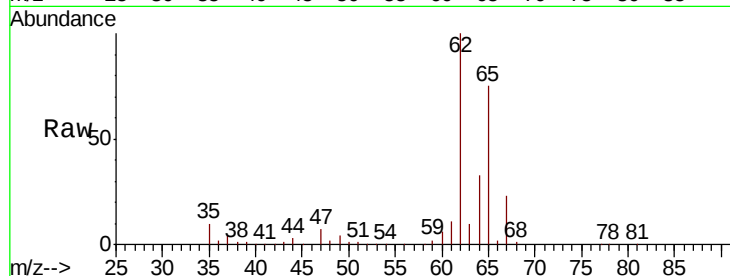
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 148113

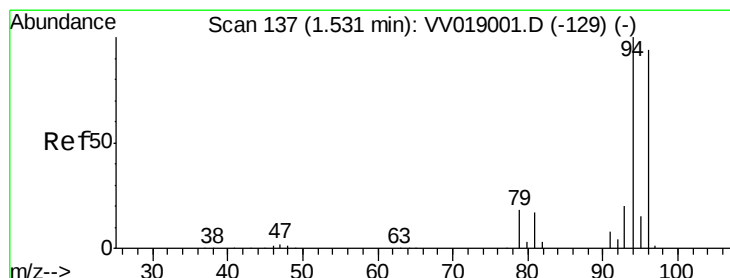
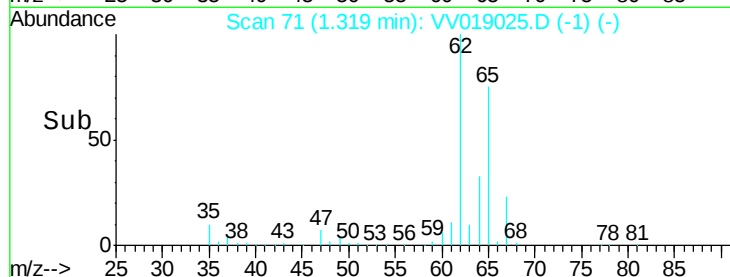
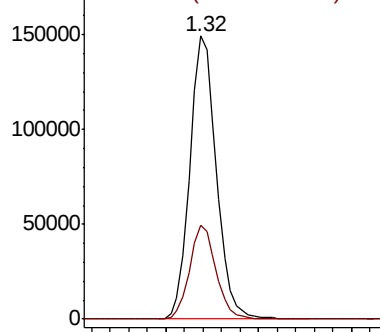
Ion Ratio Lower Upper

62 100

64 33.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 48.304 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019025.D

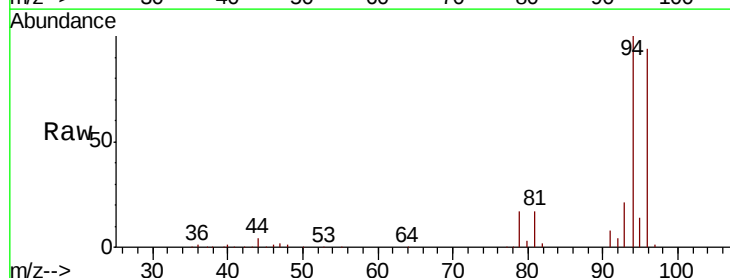
Acq: 20 Oct 2020 19:55

Tgt Ion: 94 Resp: 86563

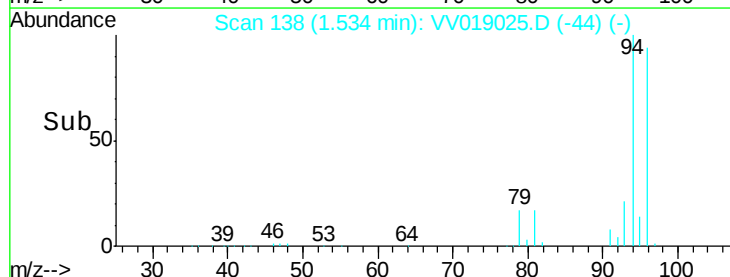
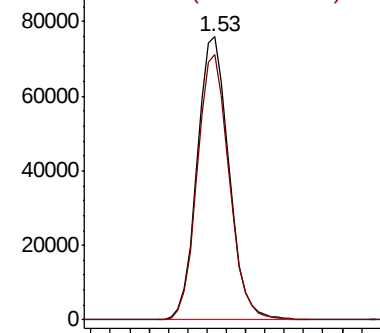
Ion Ratio Lower Upper

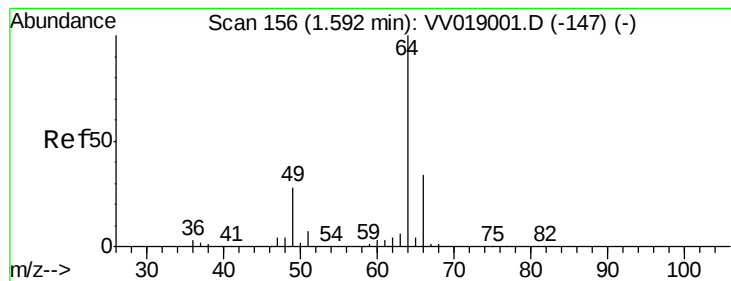
94 100

96 93.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 53.196 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

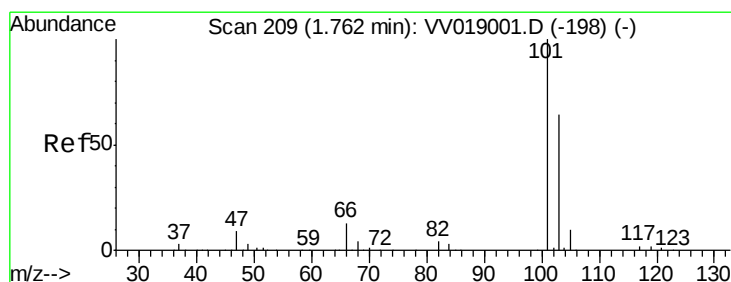
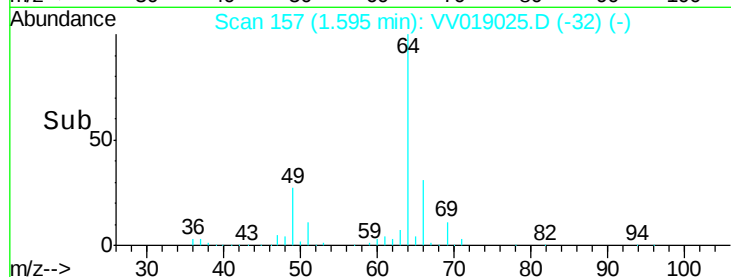
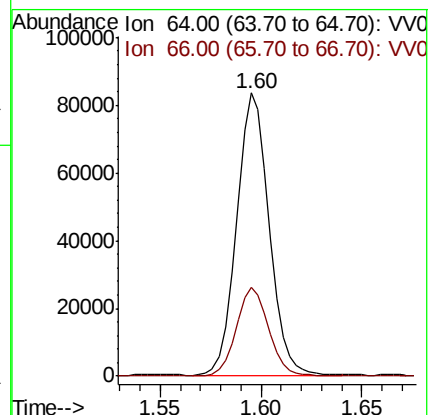
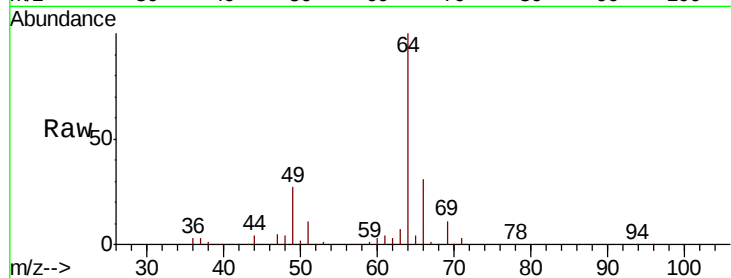
ClientSampleId :

Tot Ion: 64 Resp: 93711

Ion Ratio Lower Upper

64 100

66 31.2 22.7 42.1



#9

Trichlorofluoromethane

Concen: 52.176 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019025.D

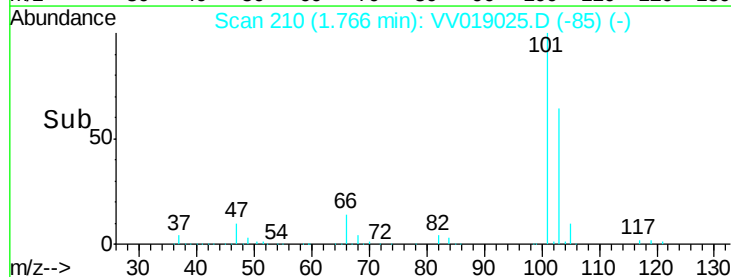
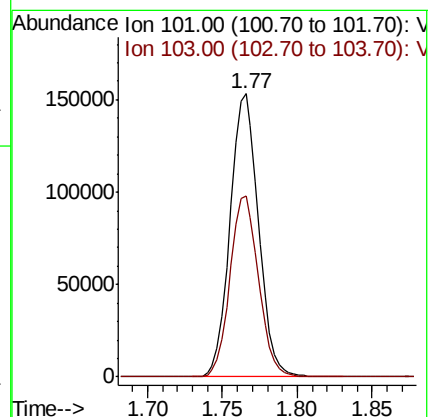
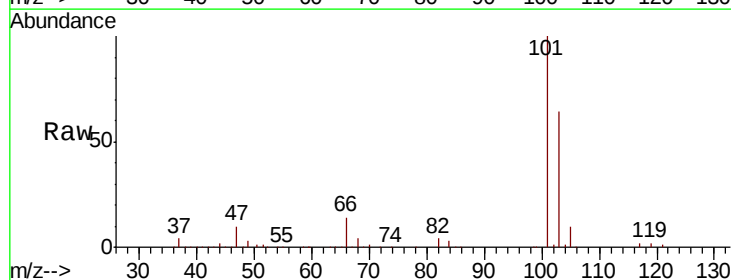
Acq: 20 Oct 2020 19:55

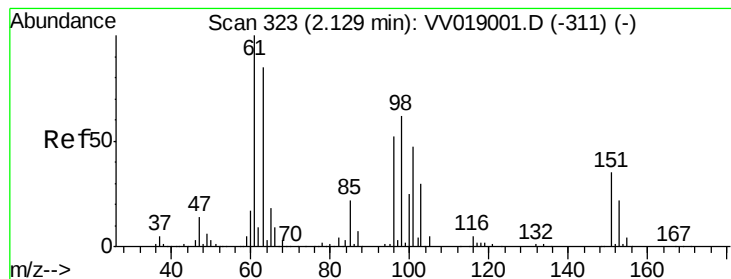
Tgt Ion: 101 Resp: 202276

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9





#10

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

Concen: 53.960 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

ClientSampled :

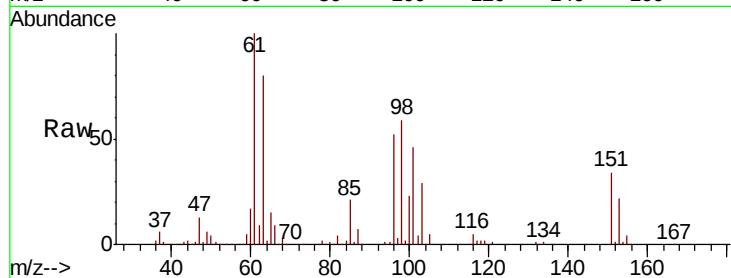
Tot Ion:101 Resp: 108932

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

151 73.2 59.7 89.5

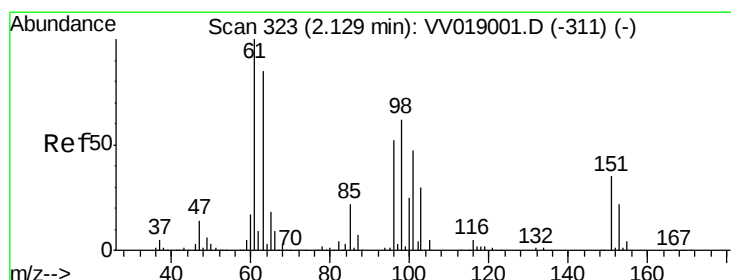
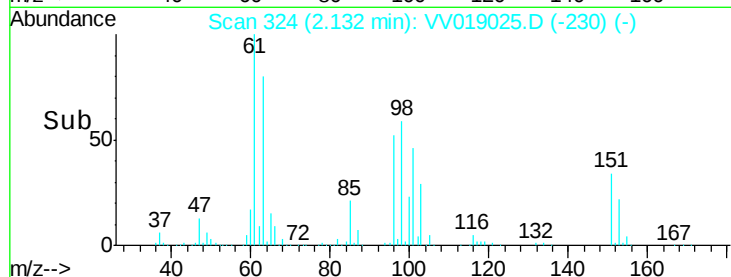
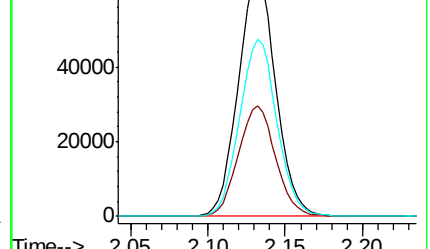


Abundance Ion 101.00 (100.70 to 101.70): VV019001.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019001.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019001.D (-311) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 51.789 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

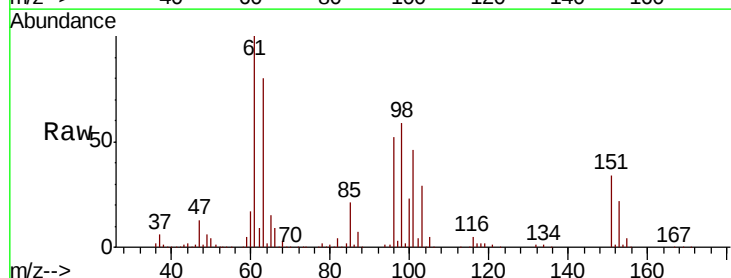
Tgt Ion: 96 Resp: 105948

Ion Ratio Lower Upper

96 100

61 193.1 133.5 247.9

63 155.2 102.1 189.7

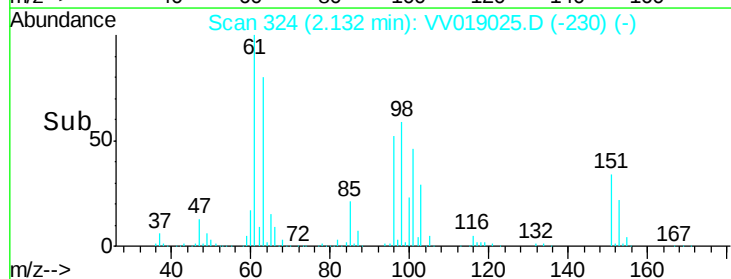
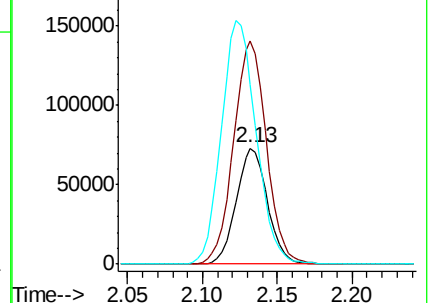


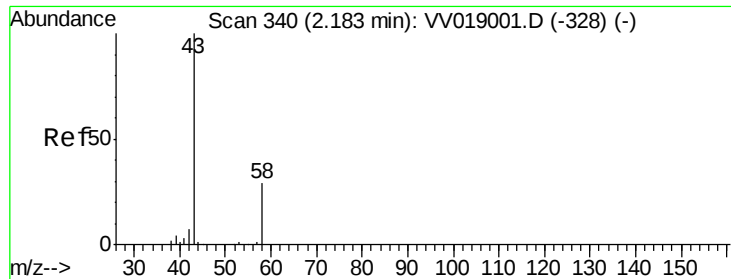
Abundance Ion 96.00 (95.70 to 96.70): VV019001.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV019001.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV019001.D (-311) (-)

Time-->





#13

Acetone

Concen: 99.938 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

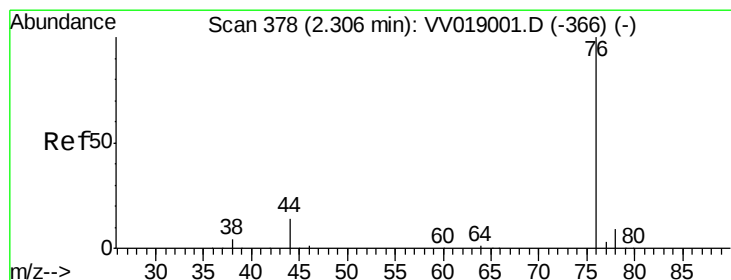
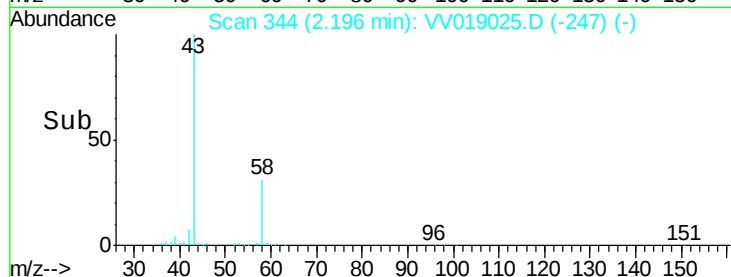
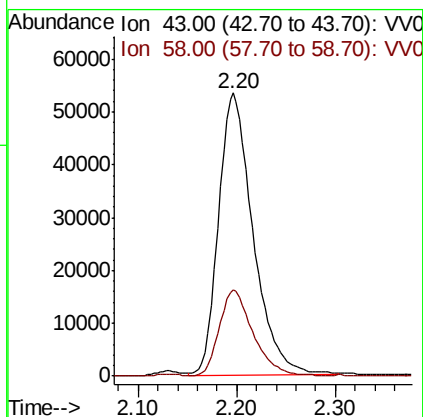
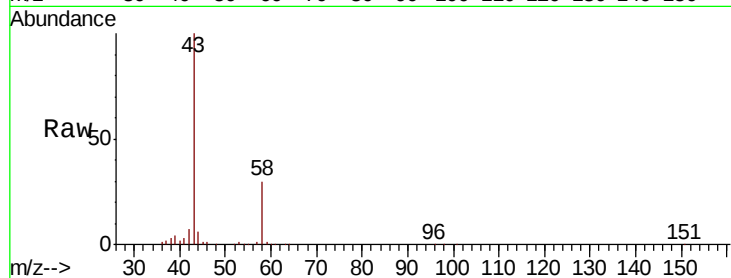
ClientSampleId :

Tot Ion: 43 Resp: 130388

Ion Ratio Lower Upper

43 100

58 30.0 0.0 58.8



#14

Carbon disulfide

Concen: 47.167 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019025.D

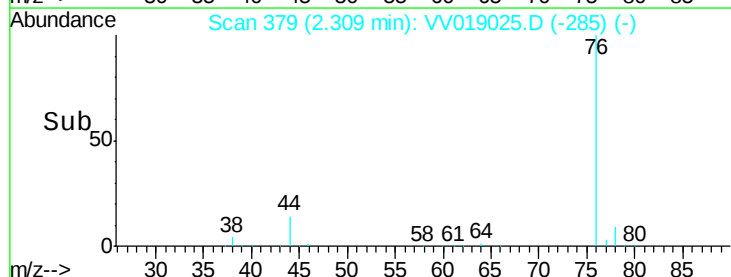
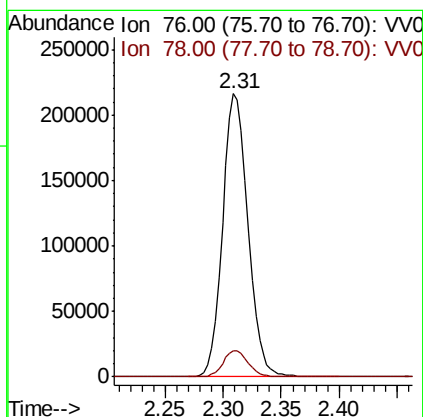
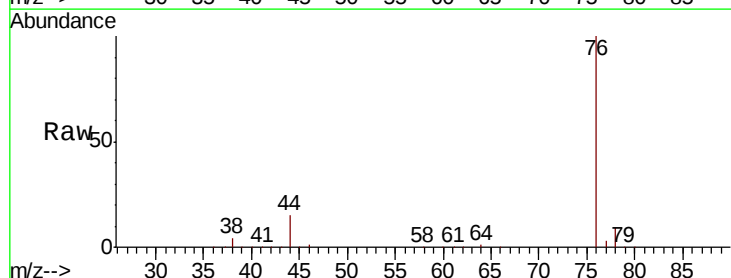
Acq: 20 Oct 2020 19:55

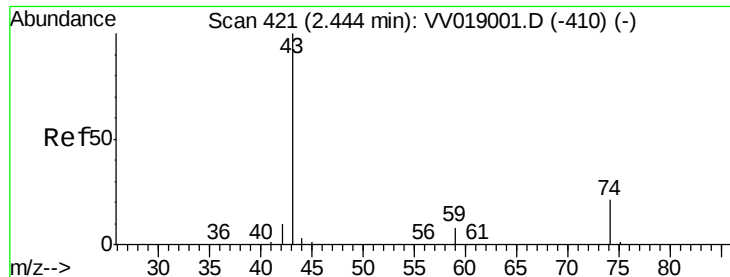
Tgt Ion: 76 Resp: 328746

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

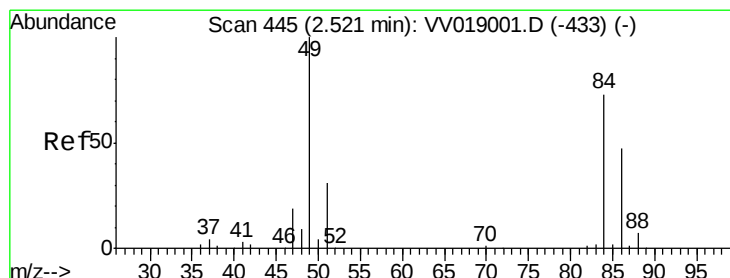
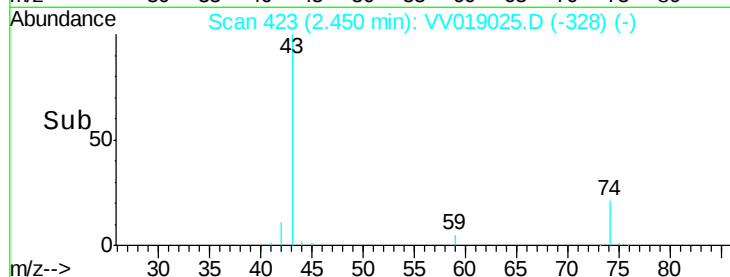
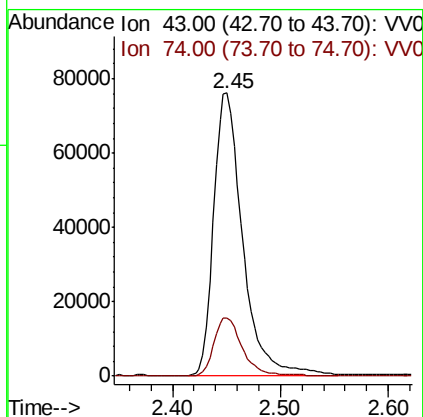
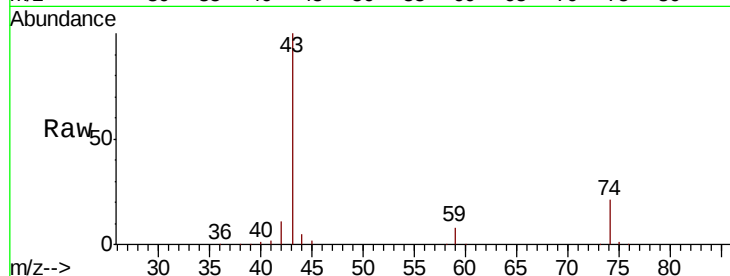




#15
Methvl Acetate
Concen: 52.619 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019025.D
Acq: 20 Oct 2020 19:55

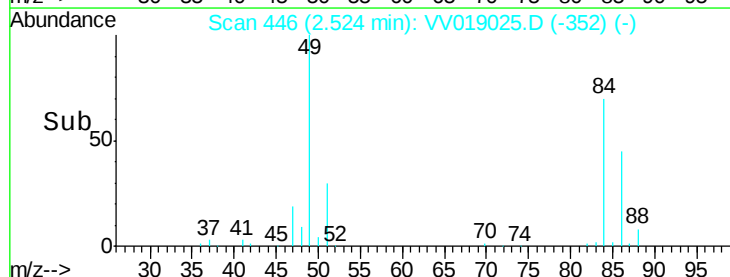
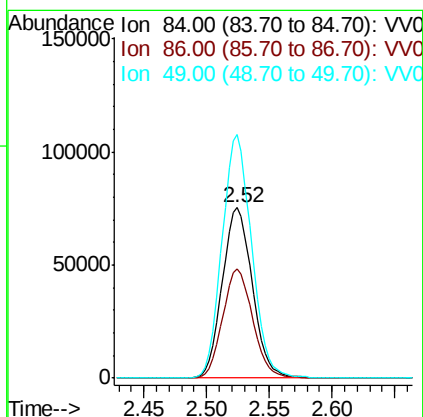
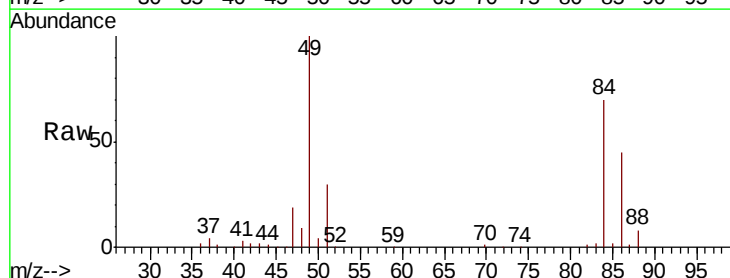
Instrument :
MSVOA_V
ClientSampleId :

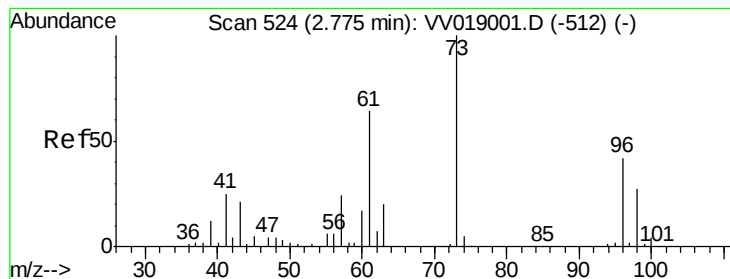
Tot Ion: 43 Resp: 141028
Ion Ratio Lower Upper
43 100
74 20.2 17.0 25.6



#16
Methylene chloride
Concen: 51.145 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019025.D
Acq: 20 Oct 2020 19:55

Tgt Ion: 84 Resp: 125522
Ion Ratio Lower Upper
84 100
86 64.4 46.6 86.6
49 142.8 96.1 178.5





#17

trans-1,2-Dichloroethene

Concen: 50.320 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

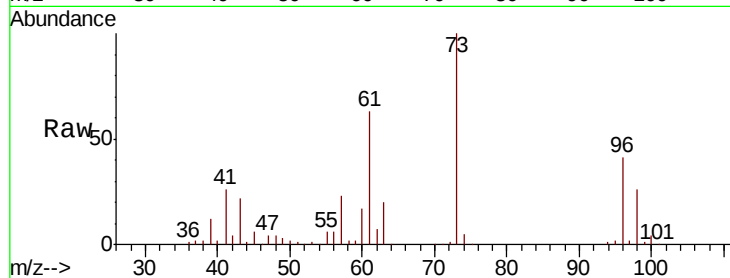
Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 114275

Ion	Ratio	Lower	Upper
96	100		
61	154.3	102.8	190.8
98	63.6	44.0	81.6

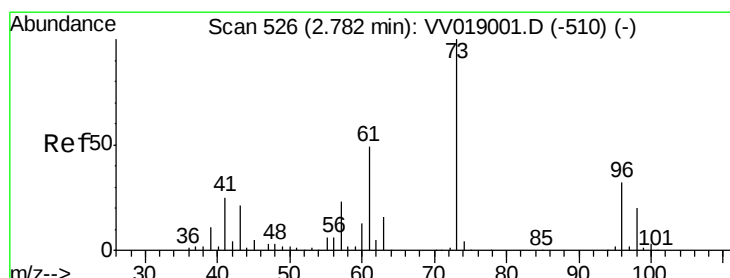
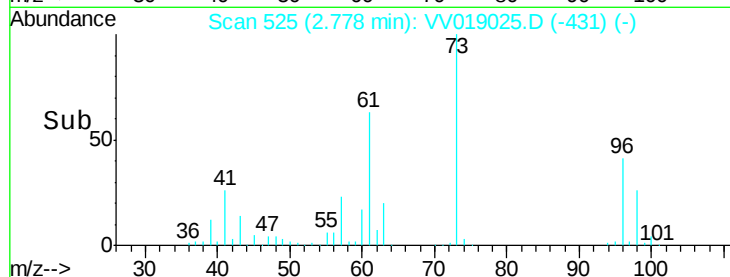
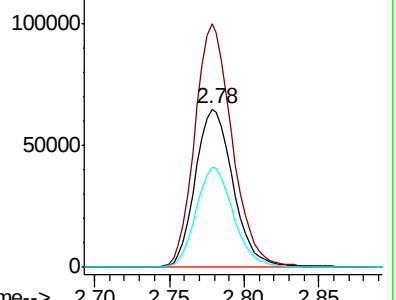


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.373 ug/L

RT: 2.78 min Scan# 527

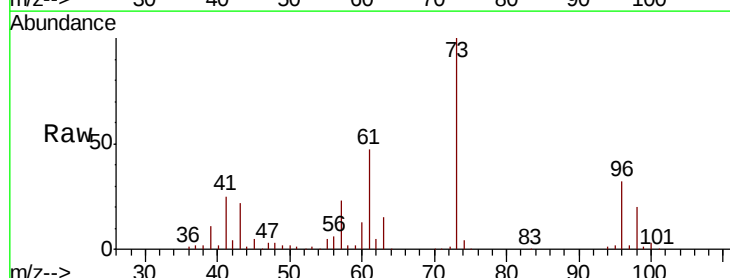
Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Tgt Ion: 73 Resp: 375780

Ion	Ratio	Lower	Upper
73	100		
43	21.6	16.9	25.3
57	23.2	18.3	27.5

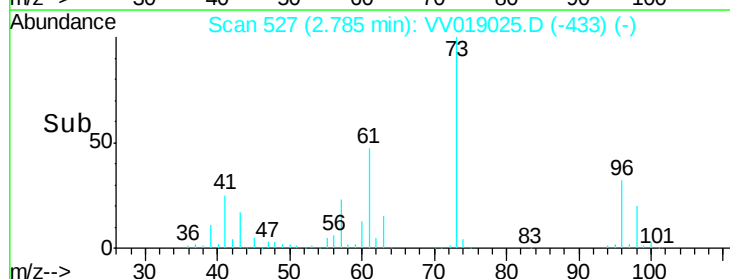
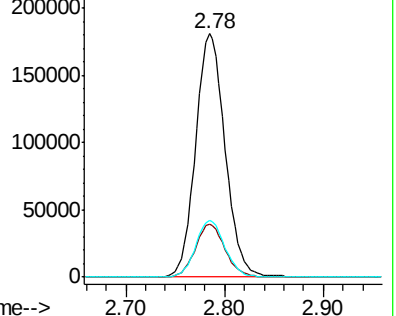


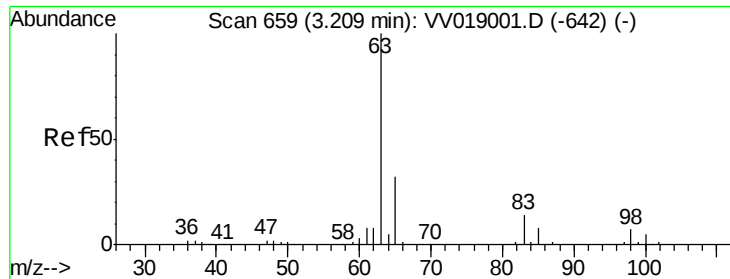
Abundance

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

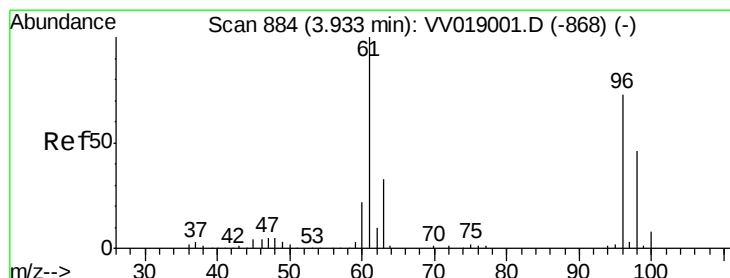
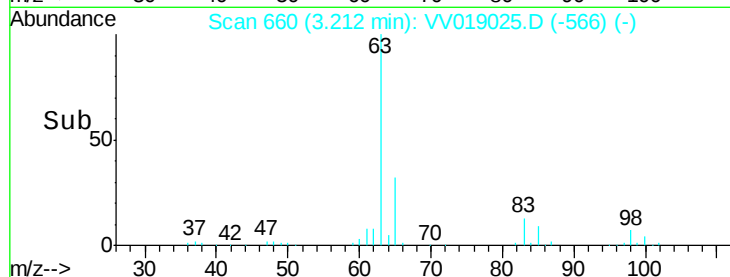
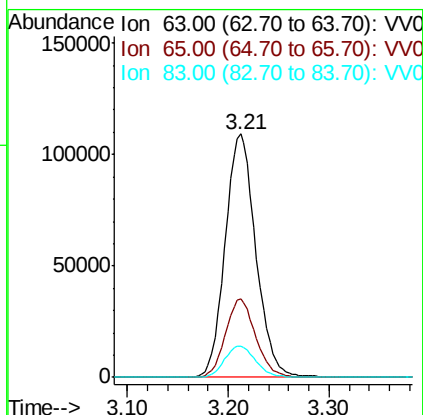
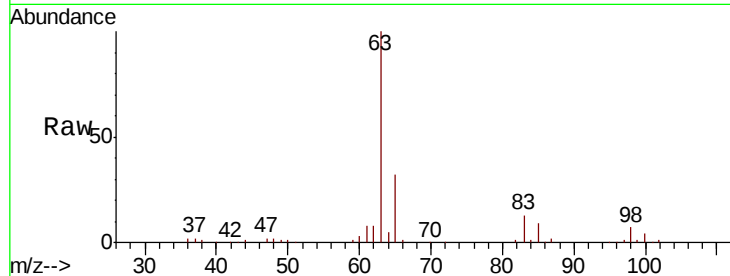




#19
 1,1-Dichloroethane
 Concen: 52.391 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

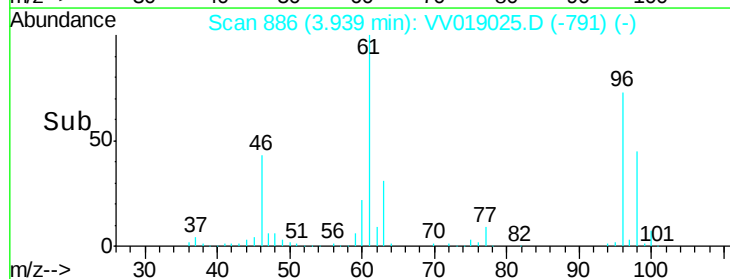
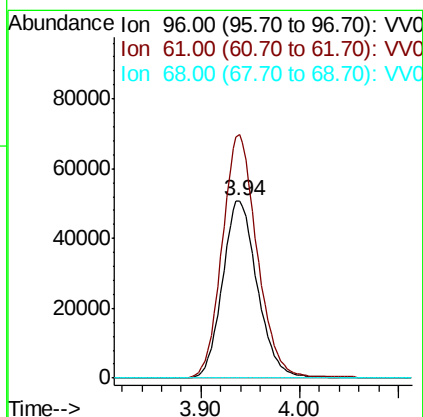
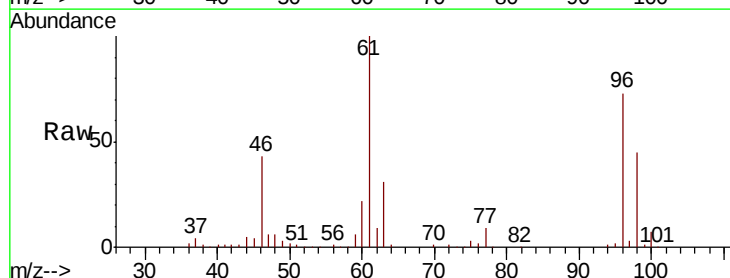
Instrument :
 MSVOA_V
 ClientSampled :

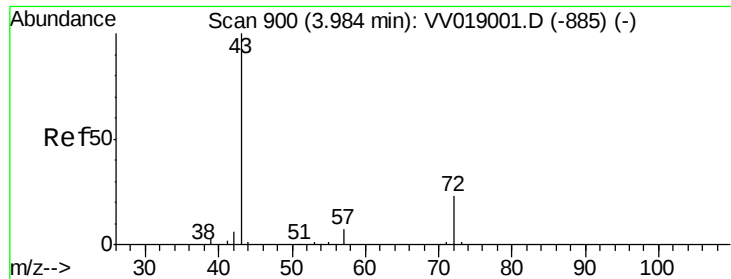
Tot Ion: 63 Resp: 231467
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.5 41.9
 83 12.7 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.008 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

Tgt Ion: 96 Resp: 125179
 Ion Ratio Lower Upper
 96 100
 61 137.1 96.1 178.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.332 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

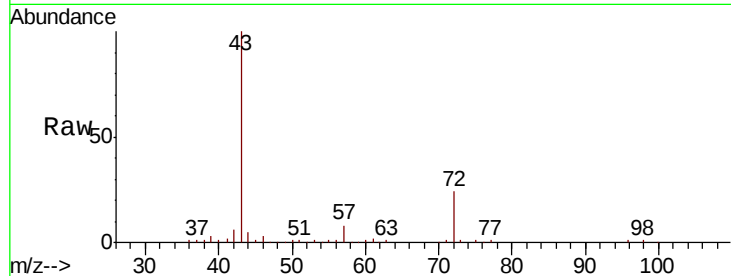
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 190402

Ion Ratio Lower Upper

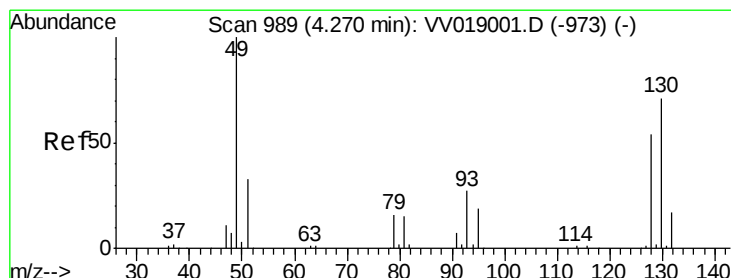
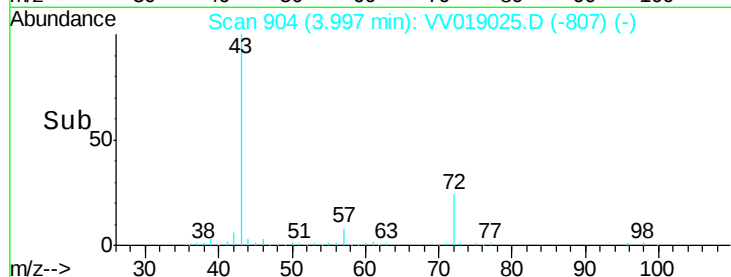
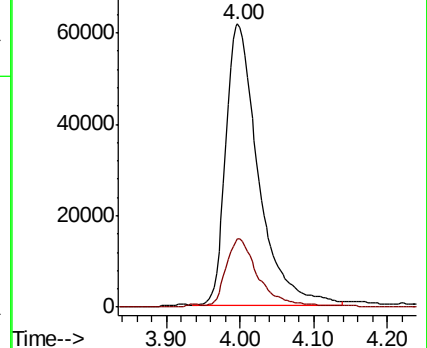
43 100

72 23.8 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV019001.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV019001.D (-885) (-)



#23

Bromochloromethane

Concen: 50.783 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Tgt Ion:128 Resp: 63126

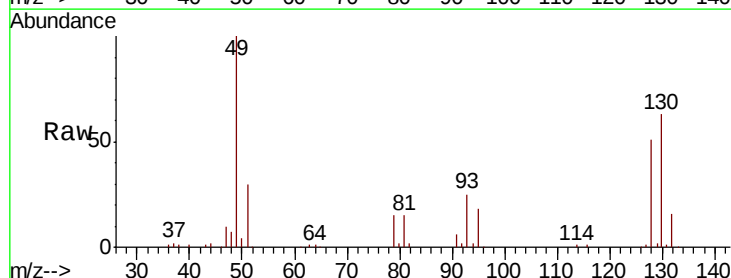
Ion Ratio Lower Upper

128 100

49 197.4 131.7 244.7

130 124.7 92.8 172.4

51 60.1 47.8 71.6

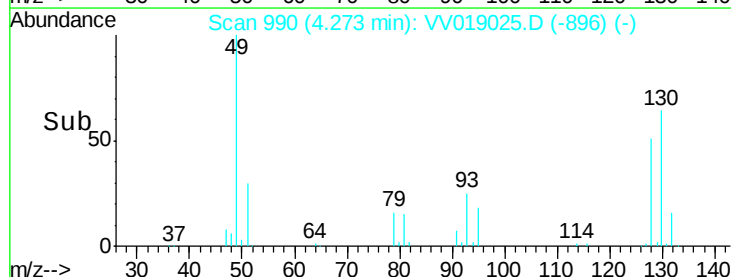
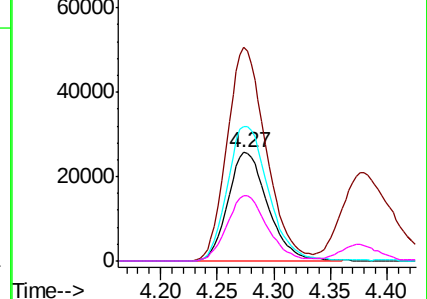


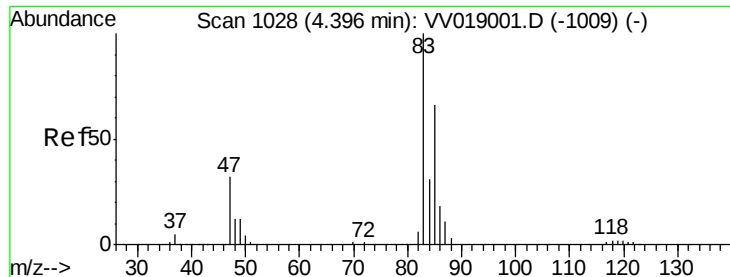
Abundance Ion 128.00 (127.70 to 128.70): VV019001.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV019001.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV019001.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV019001.D (-973) (-)

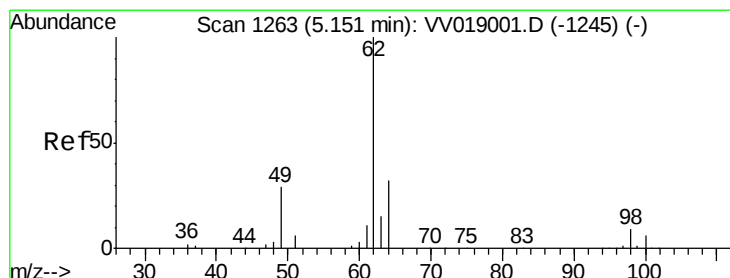
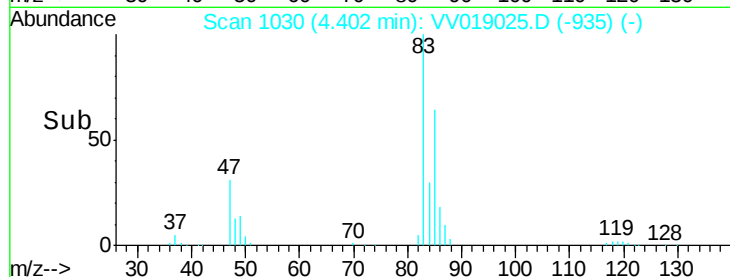
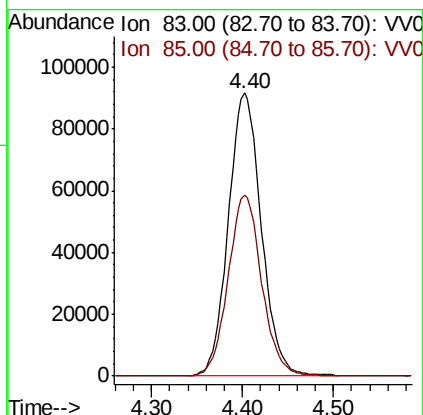
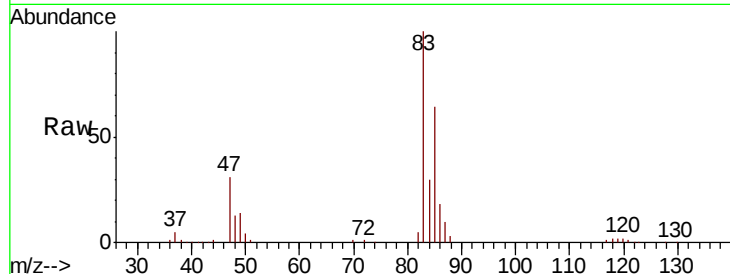




#25
Chloroform
Concen: 51.860 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV019025.D
Acq: 20 Oct 2020 19:55

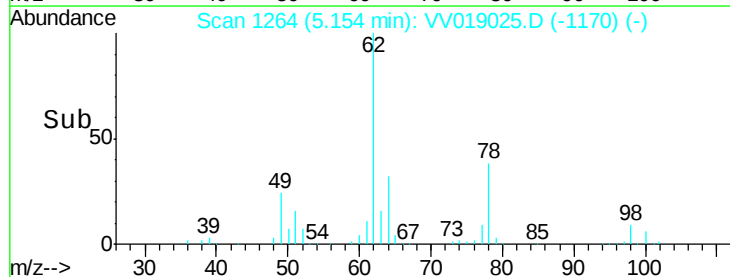
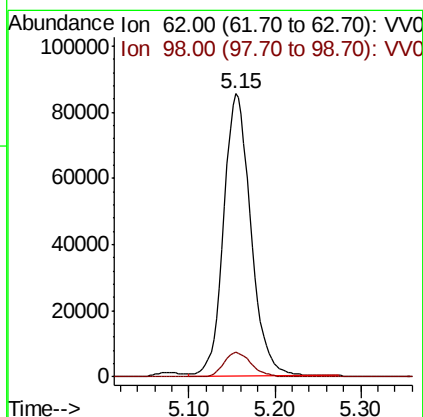
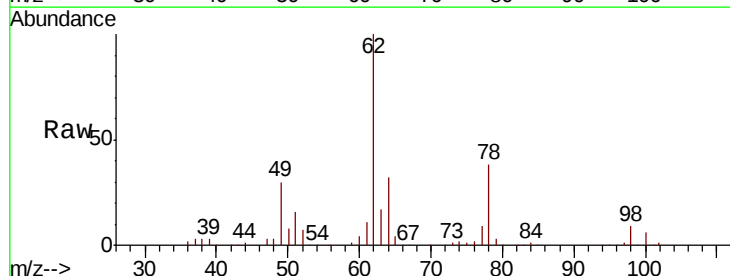
Instrument :
MSVOA_V
ClientSampled :

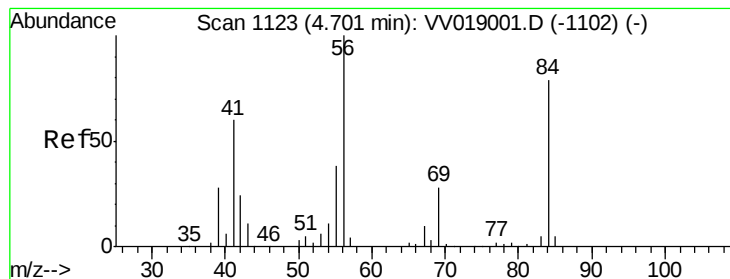
Tot Ion: 83 Resp: 230399
Ion Ratio Lower Upper
83 100
85 64.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 51.890 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019025.D
Acq: 20 Oct 2020 19:55

Tgt Ion: 62 Resp: 188319
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.6





#29

Cyclohexane

Concen: 58.170 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :
MSVOA_V
ClientSampled :

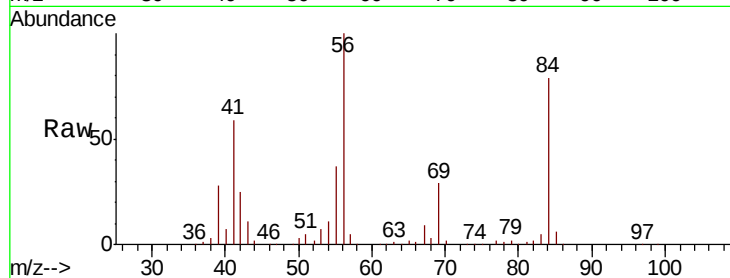
Tot Ion: 56 Resp: 198071

Ion Ratio Lower Upper

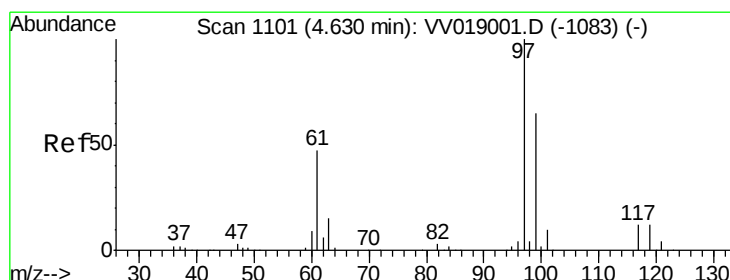
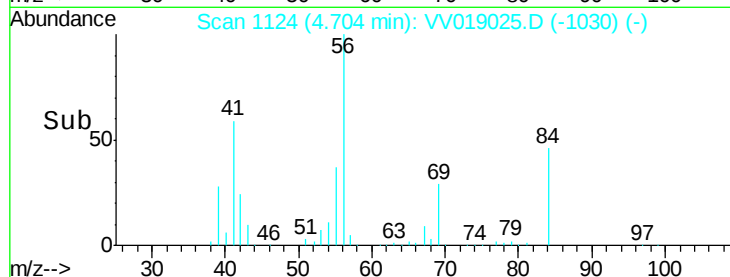
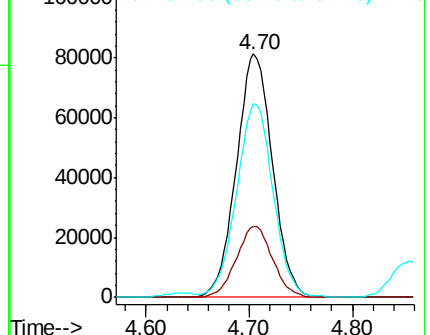
56 100

69 29.2 23.5 35.3

84 80.8 64.7 97.1



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: 55.664 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

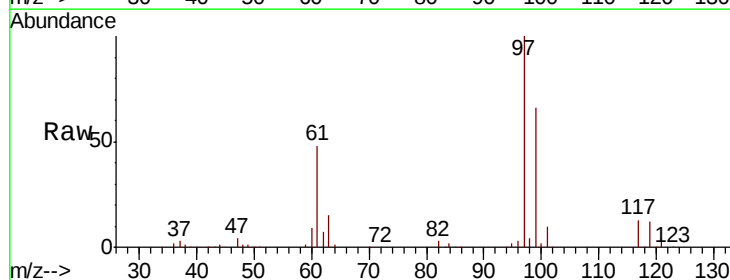
Tgt Ion: 97 Resp: 197899

Ion Ratio Lower Upper

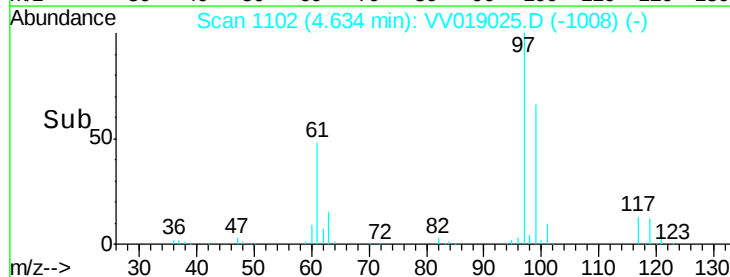
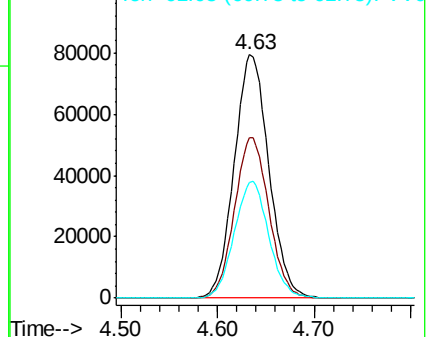
97 100

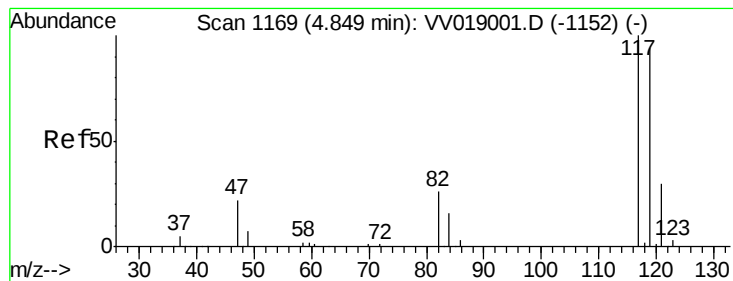
99 65.2 51.2 76.8

61 48.0 37.5 56.3



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: 55.820 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

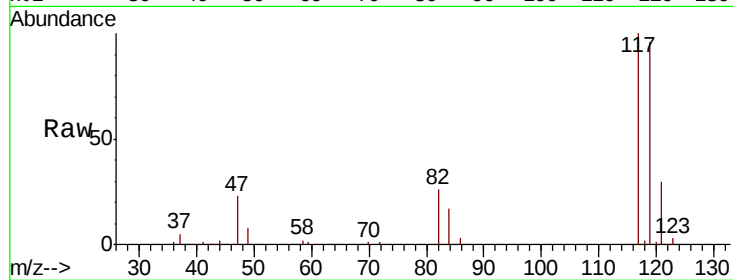
ClientSampleId :

Tot Ion:117 Resp: 168907

Ion Ratio Lower Upper

117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

80000

60000

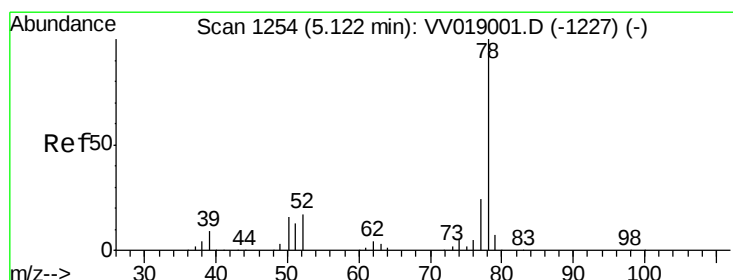
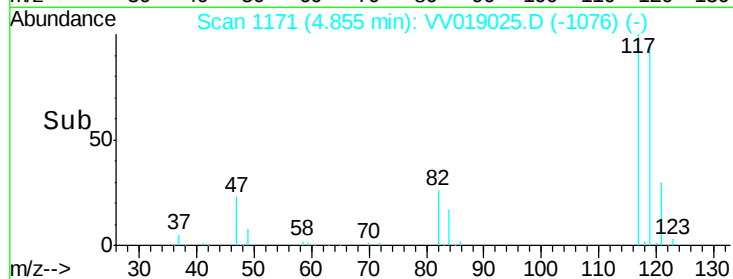
40000

20000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 55.027 ug/L

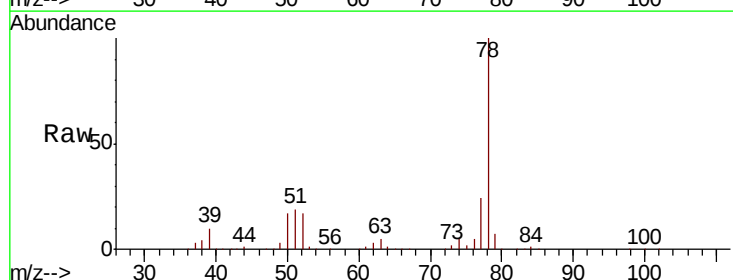
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Tgt Ion: 78 Resp: 483306



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

250000

200000

150000

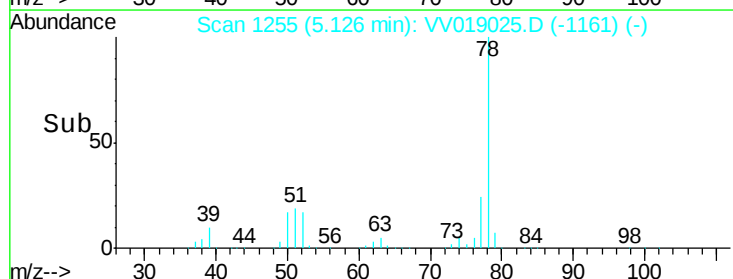
100000

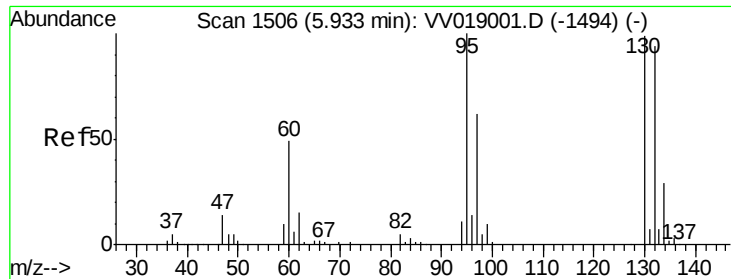
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 52.292 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 132446

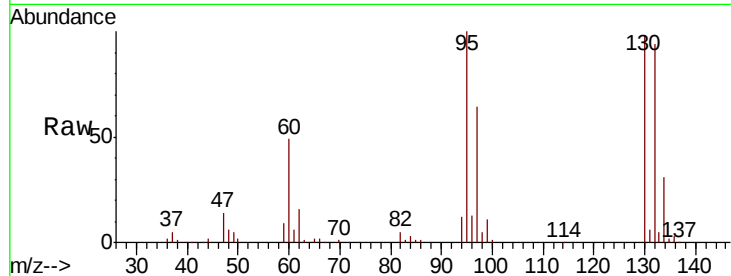
Ion Ratio Lower Upper

95 100

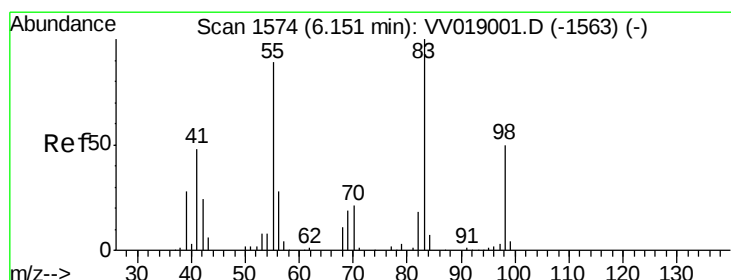
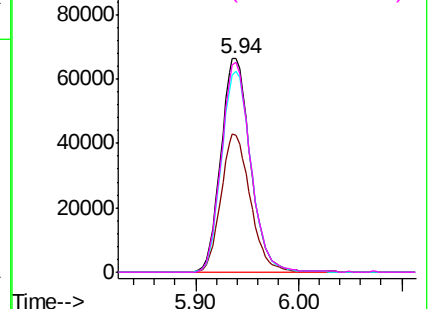
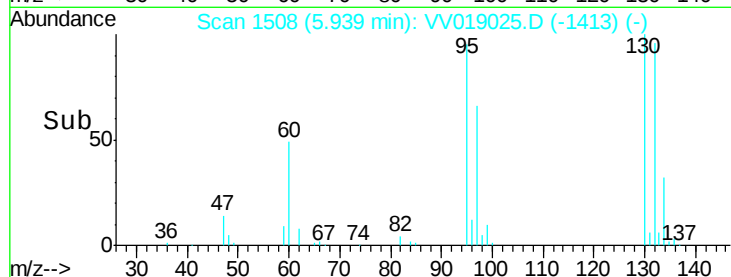
97 64.3 44.7 82.9

132 93.8 67.0 124.4

130 98.0 70.8 131.6



Abundance Ion 95.00 (94.70 to 95.70): VV019025.D (-1413) (-)



#35

Methylcyclohexane

Concen: 55.449 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

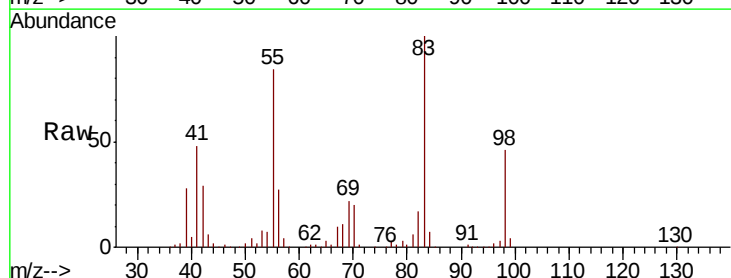
Tgt Ion: 83 Resp: 170091

Ion Ratio Lower Upper

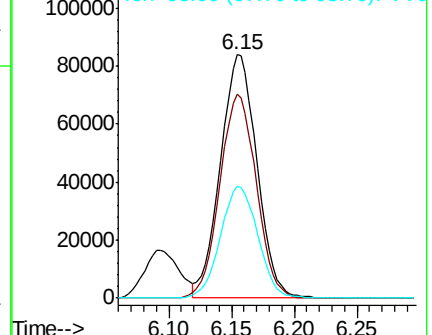
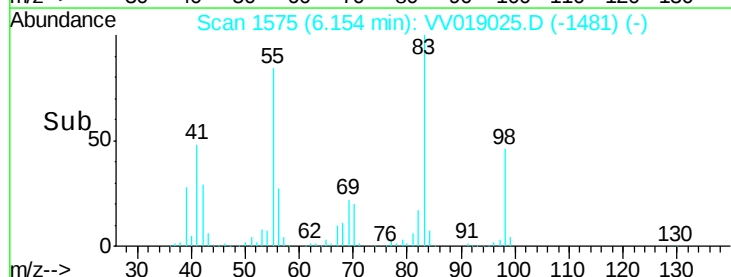
83 100

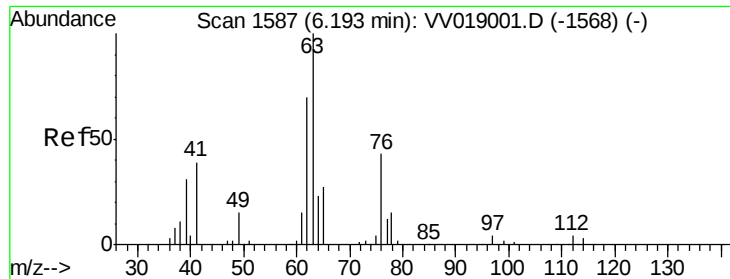
55 83.1 67.3 100.9

98 46.5 37.9 56.9



Abundance Ion 83.00 (82.70 to 83.70): VV019025.D (-1481) (-)

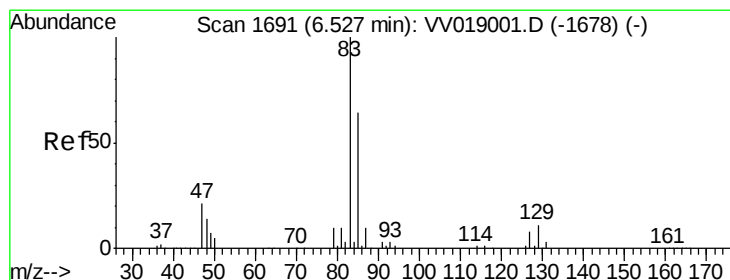
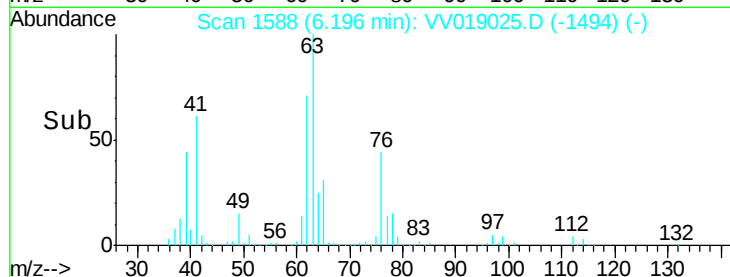
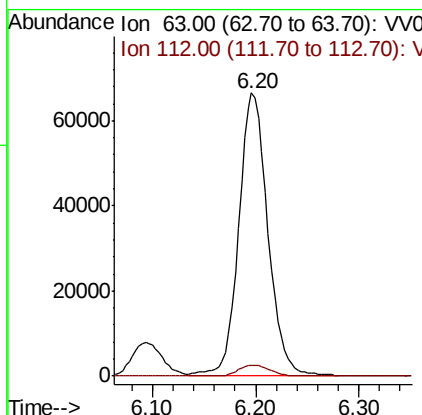
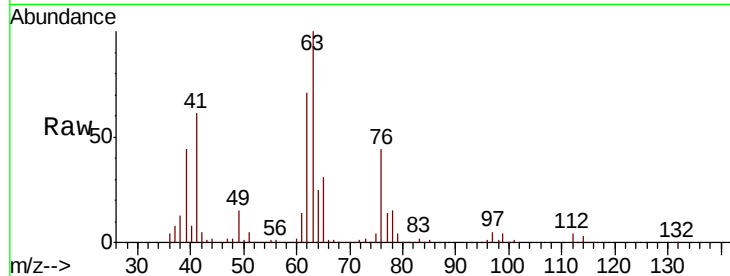




#37
 1,2-Dichloropropane
 Concen: 55.051 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

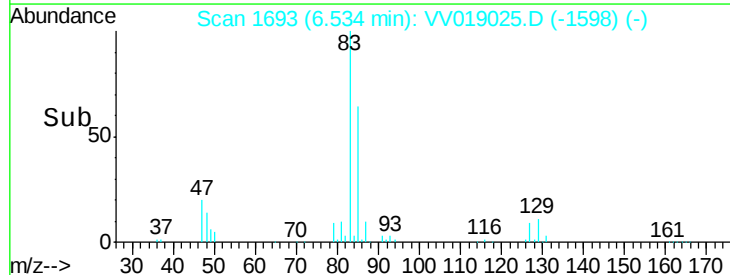
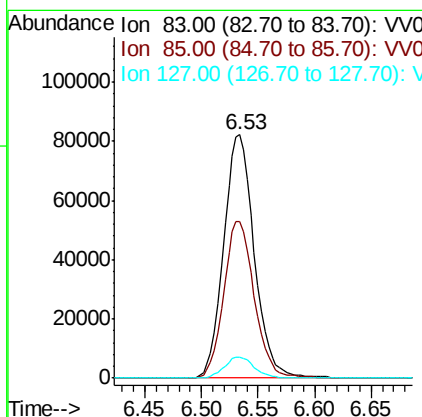
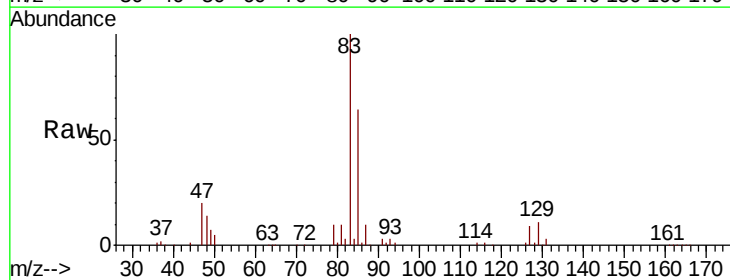
Instrument :
 MSVOA_V
 ClientSampleId :

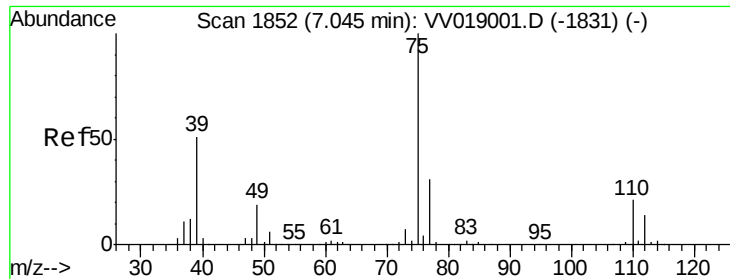
Tot Ion: 63 Resp: 129438
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 51.247 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

Tgt Ion: 83 Resp: 154482
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 83.1
 127 8.6 6.6 9.8

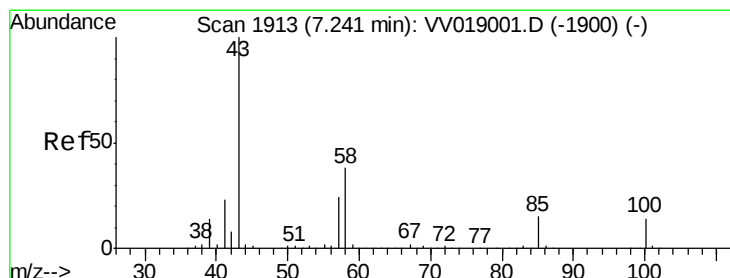
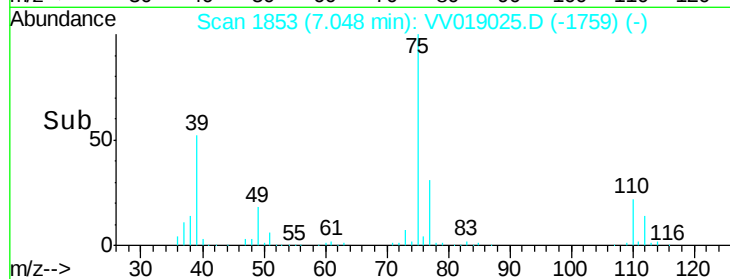
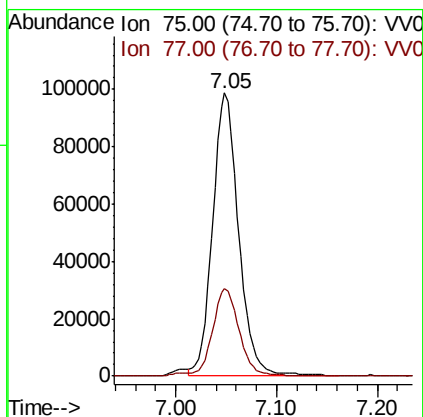
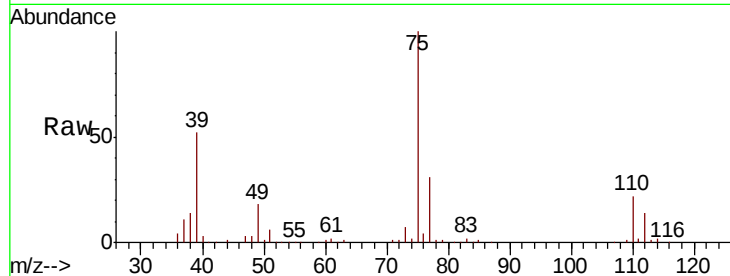




#39
 cis-1,3-Dichloropropene
 Concen: 49.805 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

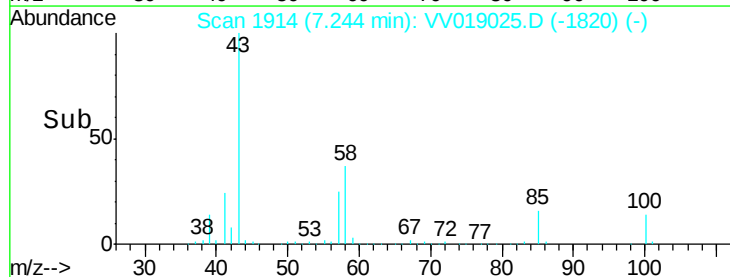
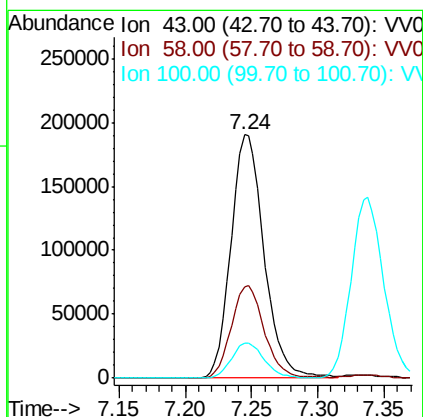
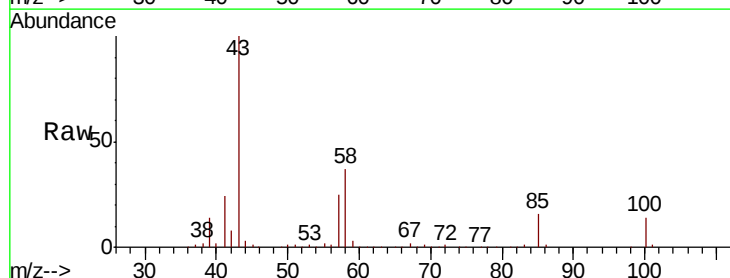
Instrument :
 MSVOA_V
 ClientSampled :

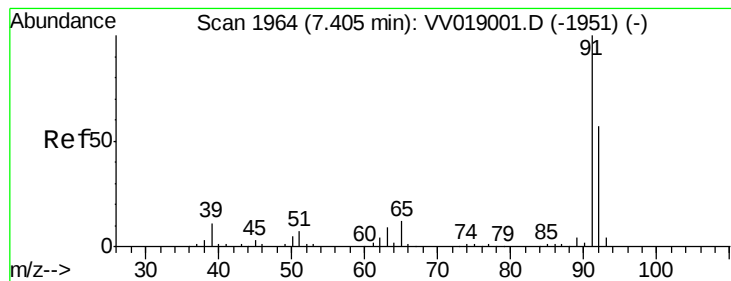
Tot Ion: 75 Resp: 175958
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 102.141 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

Tgt Ion: 43 Resp: 331188
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.5 45.7
 100 14.3 11.1 16.7





#42

Toluene

Concen: 51.517 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

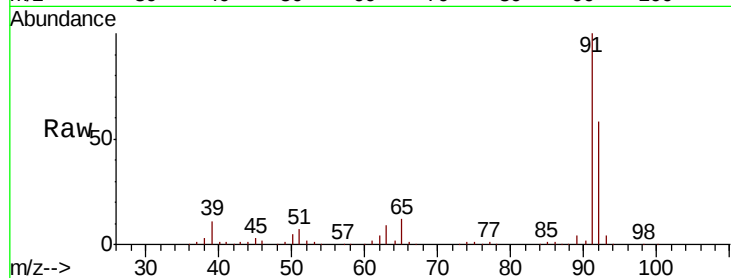
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 467329

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

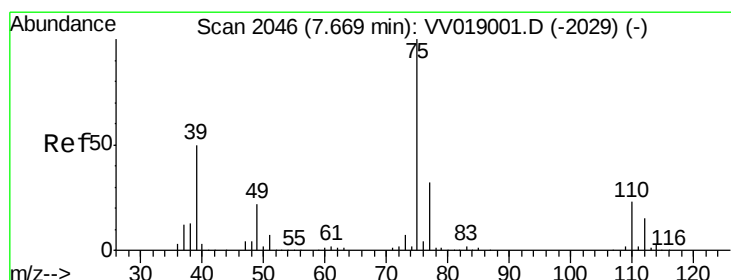
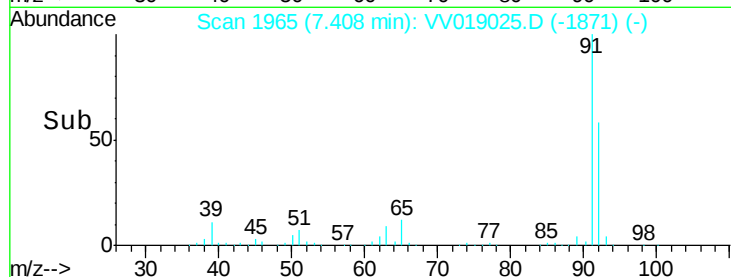
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 52.848 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019025.D

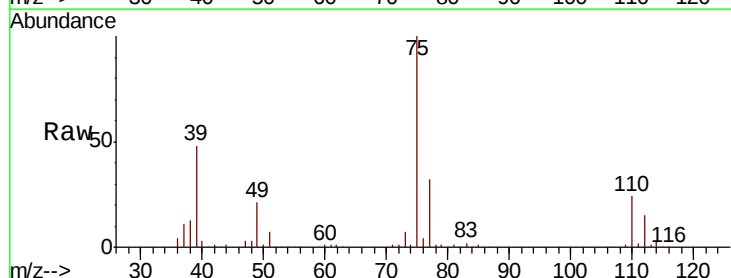
Acq: 20 Oct 2020 19:55

Tgt Ion: 75 Resp: 180935

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

120000

100000

80000

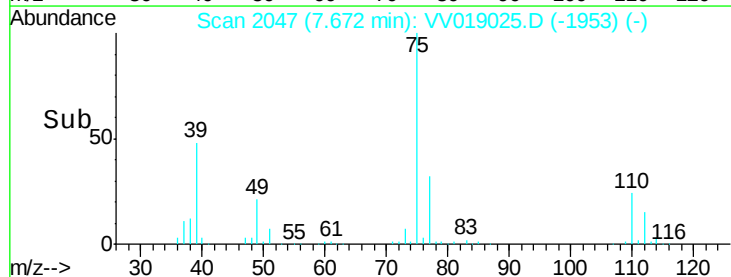
60000

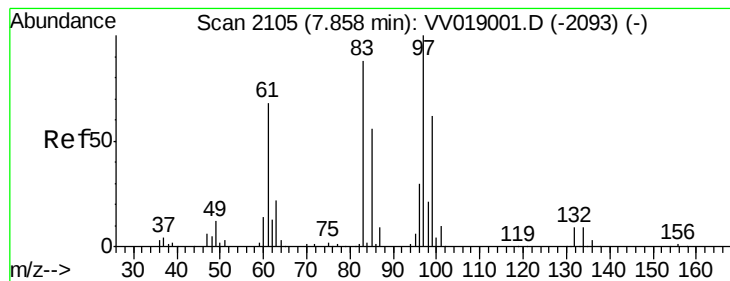
40000

20000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 48.791 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 106709

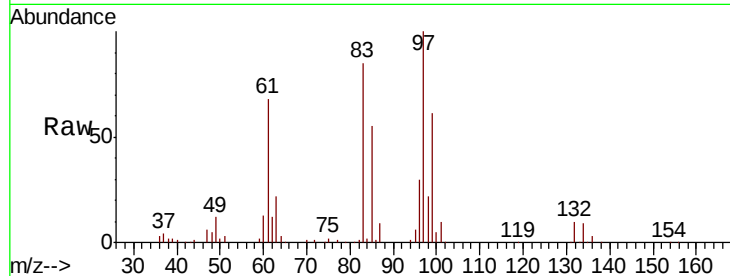
Ion Ratio Lower Upper

97 100

99 61.5 43.8 81.4

83 85.2 61.0 113.4

85 54.6 38.9 72.2

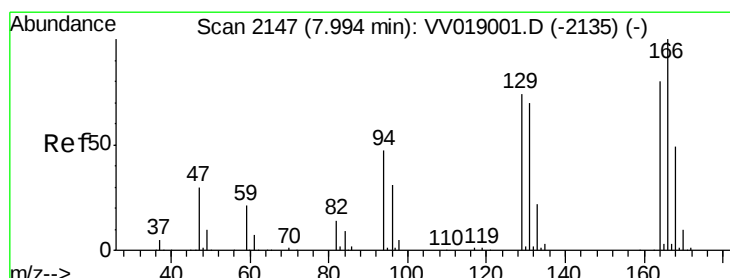
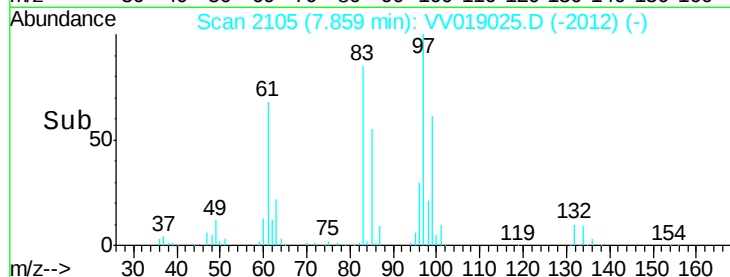
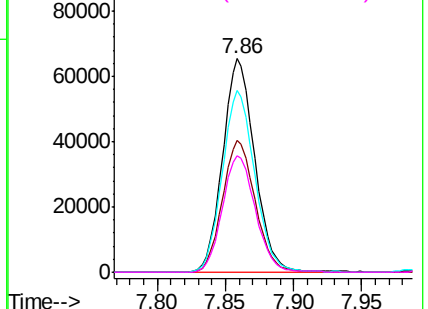


Abundance Ion 97.00 (96.70 to 97.70): VV019001.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV019001.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV019001.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV019001.D (-2093) (-)



#46

Tetrachloroethene

Concen: 50.580 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Tgt Ion: 164 Resp: 90286

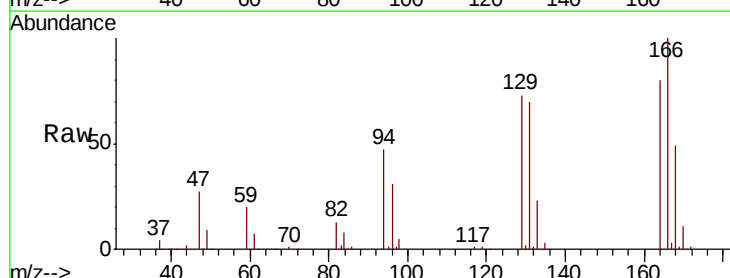
Ion Ratio Lower Upper

164 100

129 92.4 65.0 120.8

131 87.6 62.9 116.7

166 125.7 91.1 169.3

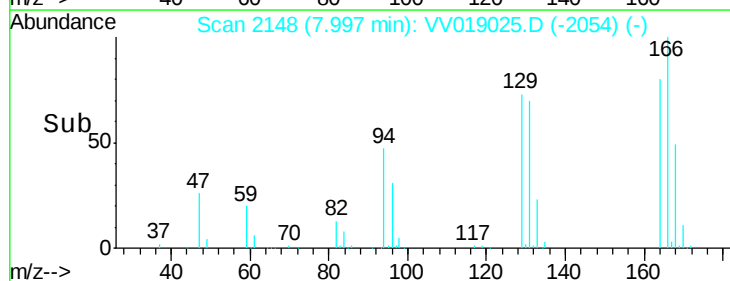
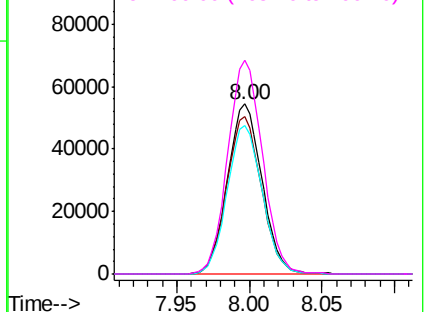


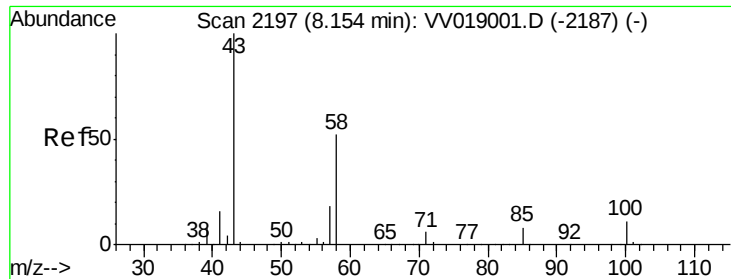
Abundance Ion 164.00 (163.70 to 164.70): VV019001.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV019001.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV019001.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV019001.D (-2135) (-)

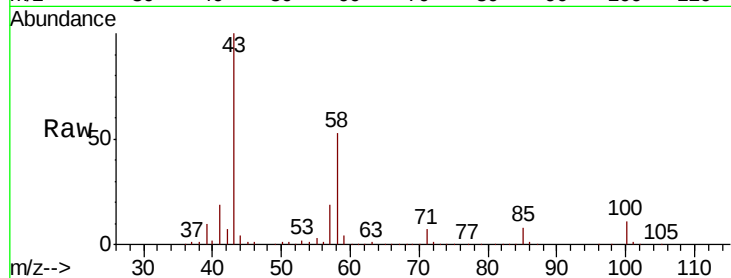




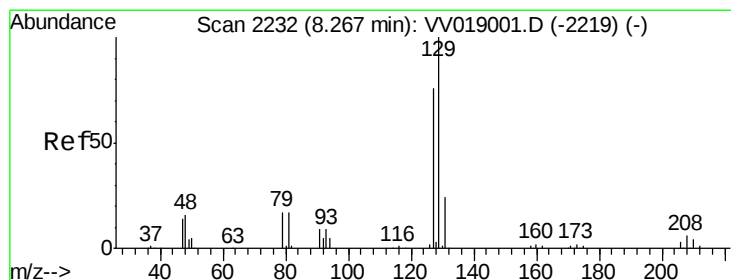
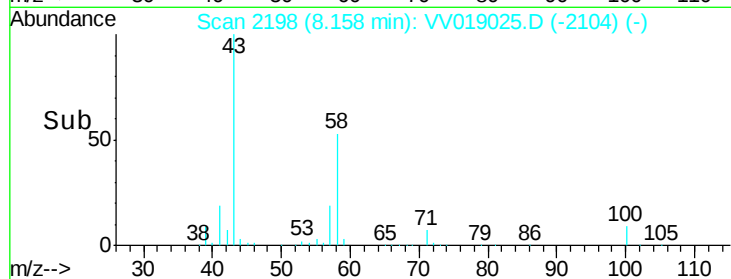
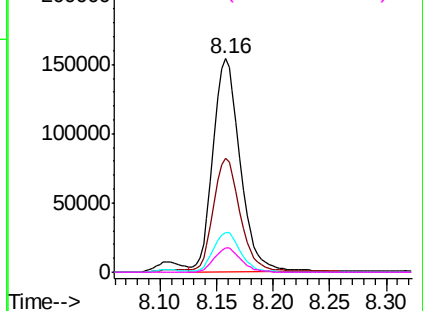
#48
2-Hexanone
Concen: 100.018 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019025.D
Acq: 20 Oct 2020 19:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 257135
Ion Ratio Lower Upper
43 100
58 52.0 42.5 63.7
57 18.2 14.5 21.7
100 11.4 9.0 13.4

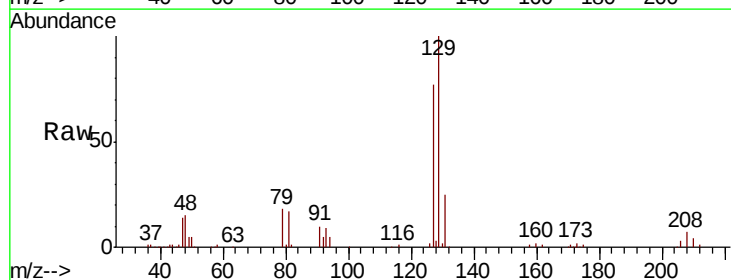


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

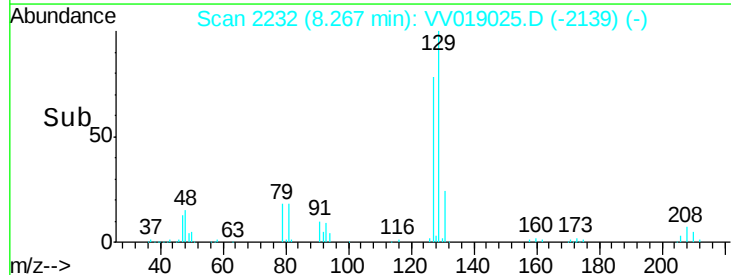
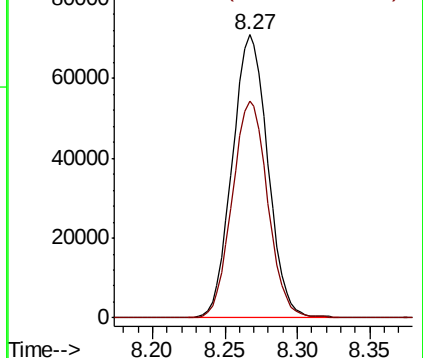


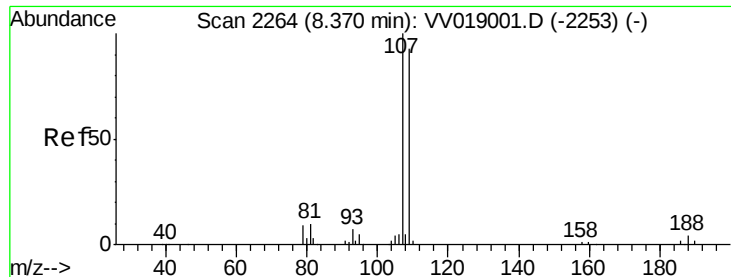
#49
Dibromochloromethane
Concen: 52.283 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019025.D
Acq: 20 Oct 2020 19:55

Tgt Ion: 129 Resp: 121058
Ion Ratio Lower Upper
129 100
127 76.6 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

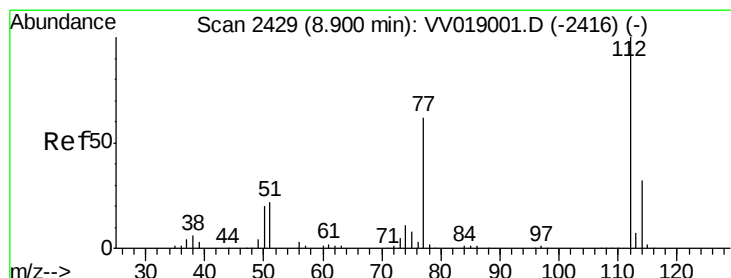
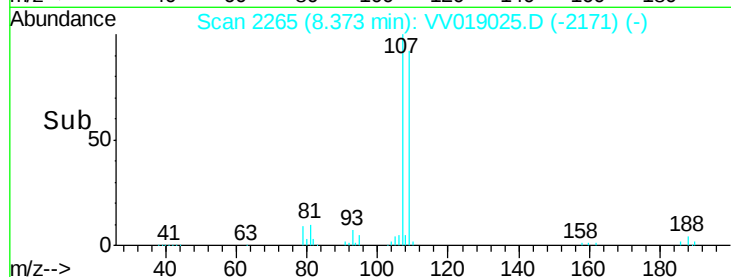
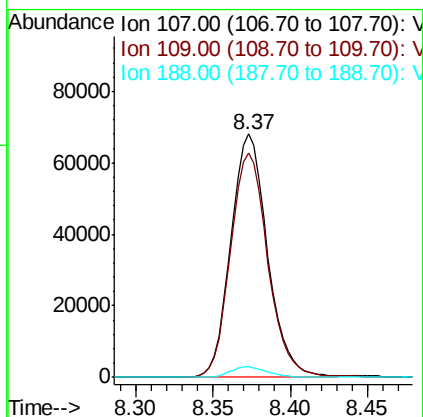
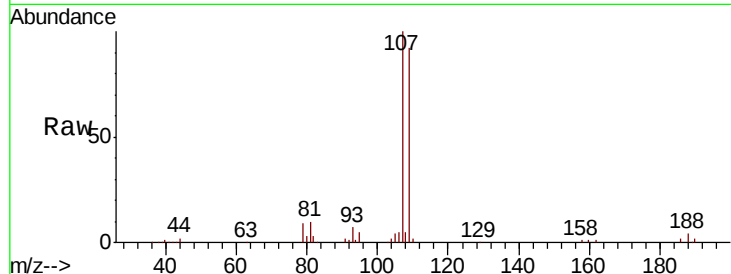




#50
 1,2-Dibromoethane
 Concen: 48.945 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

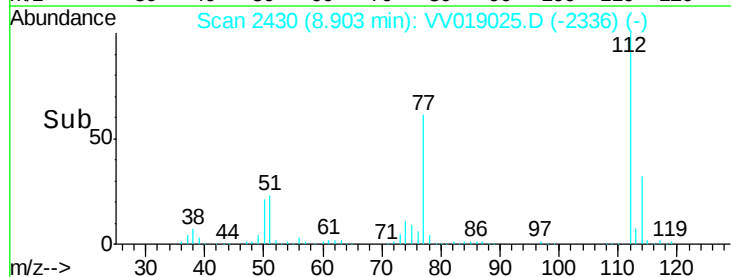
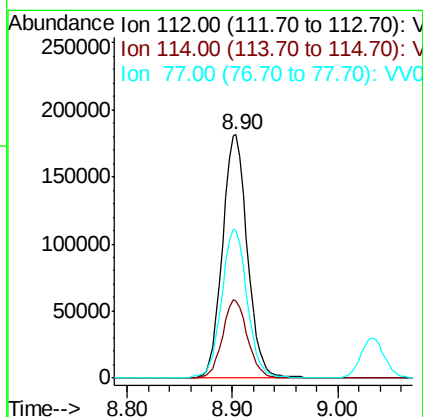
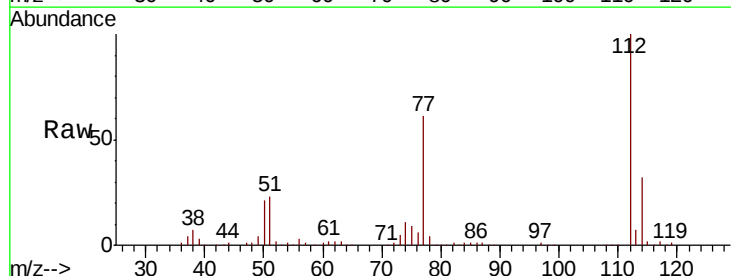
Instrument :
 MSVOA_V
 ClientSampleId :

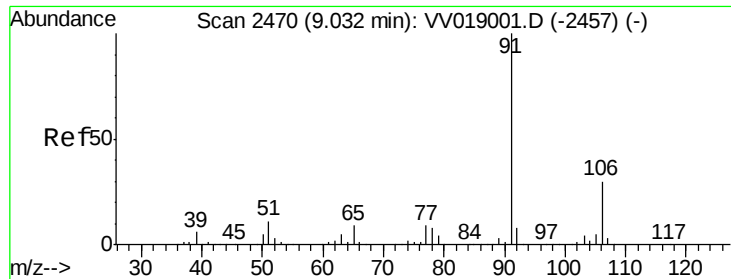
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	65.8	122.2
188	4.2	3.2	4.8



#51
 Chlorobenzene
 Concen: 50.215 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.8	40.6
77	60.8	49.2	73.8





#52

Ethylbenzene

Concen: 52.395 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

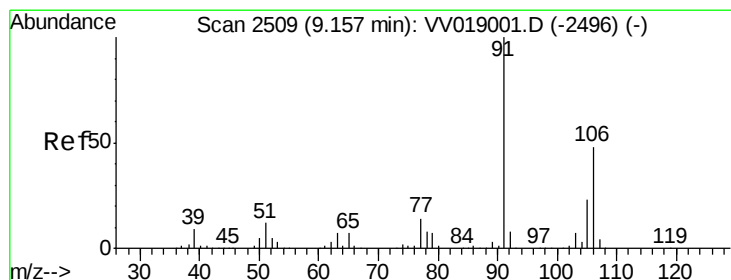
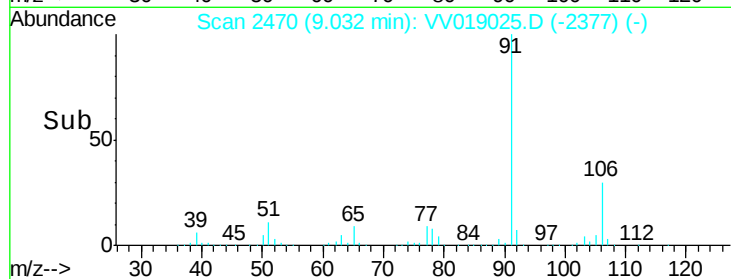
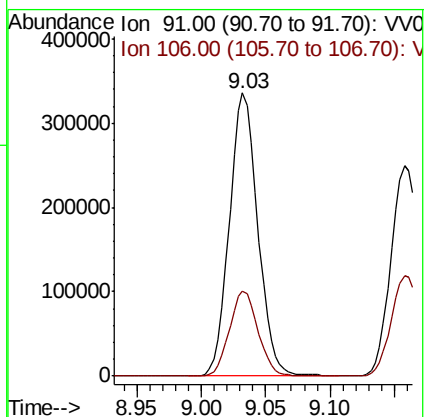
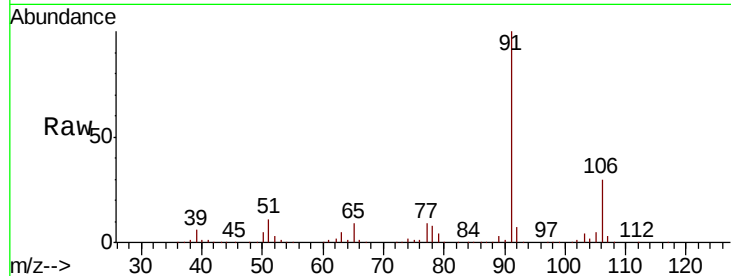
ClientSampleId :

Tot Ion: 91 Resp: 514518

Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.9



#53

m,p-Xylene

Concen: 52.324 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019025.D

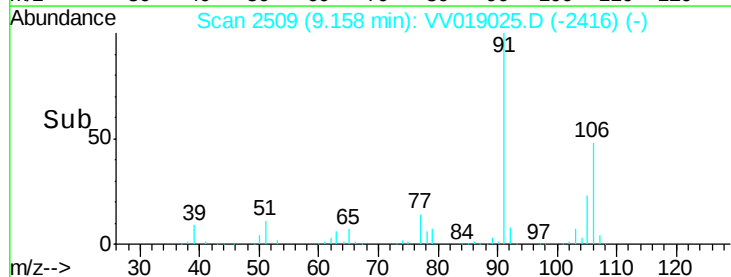
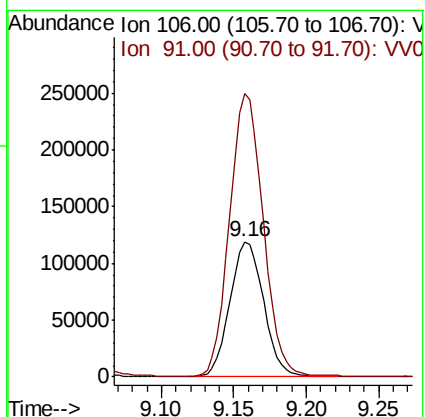
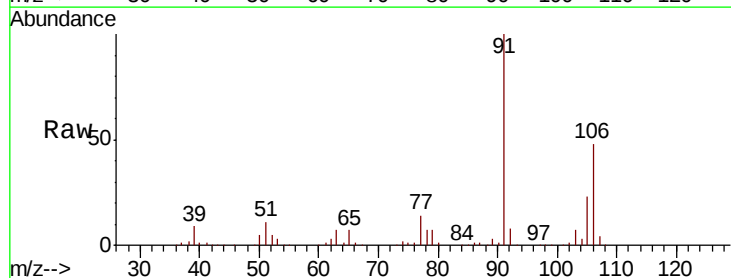
Acq: 20 Oct 2020 19:55

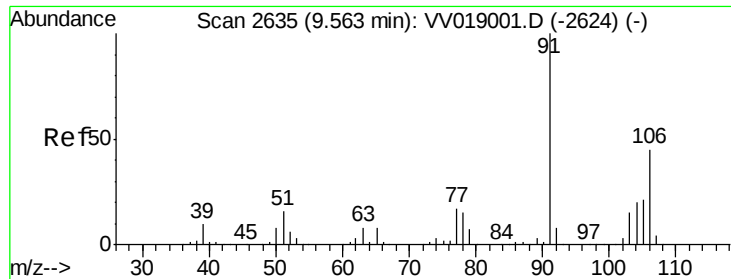
Tgt Ion: 106 Resp: 191428

Ion Ratio Lower Upper

106 100

91 209.1 145.9 270.9





#54

o-xylene

Concen: 52.875 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

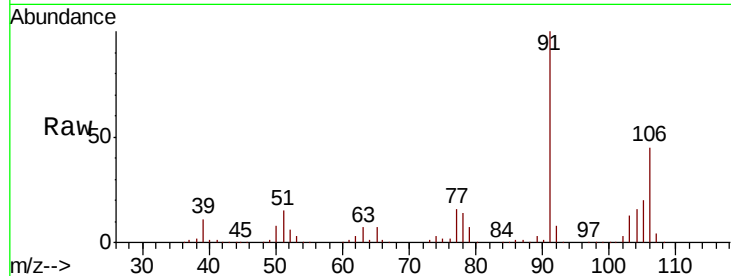
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 185071

Ion Ratio Lower Upper

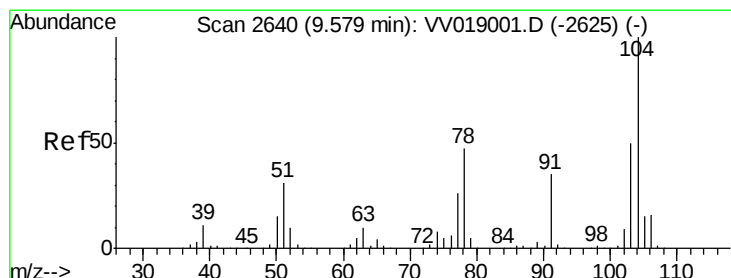
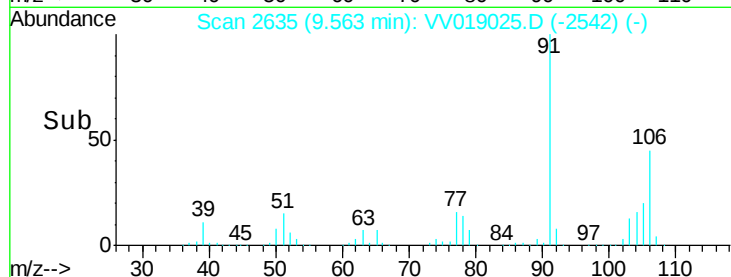
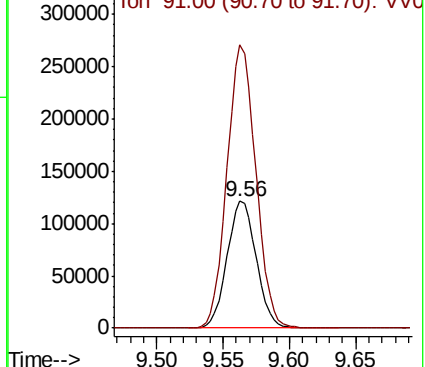
106 100

91 223.3 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.673 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019025.D

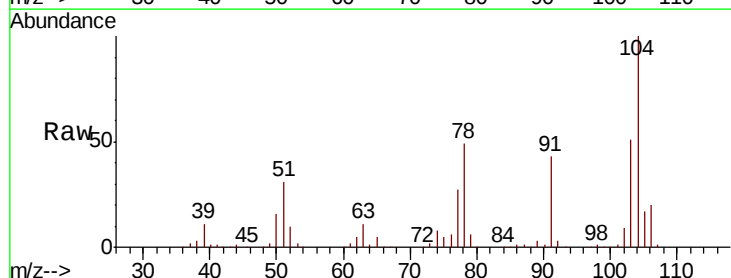
Acq: 20 Oct 2020 19:55

Tgt Ion:104 Resp: 330437

Ion Ratio Lower Upper

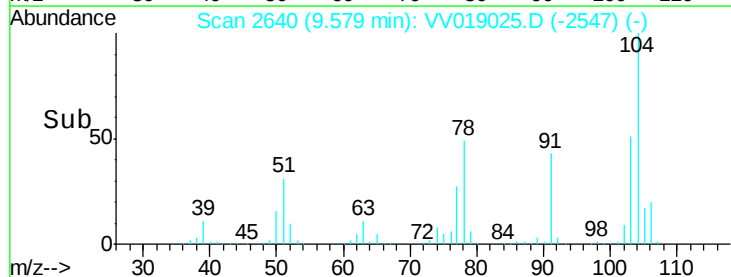
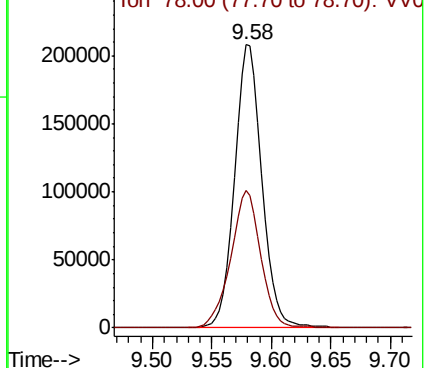
104 100

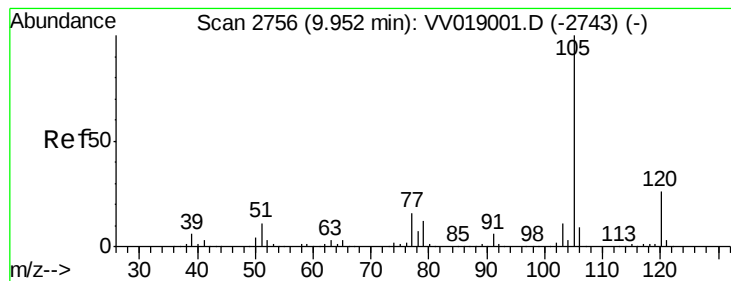
78 48.6 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.198 ug/L

RT: 9.95 min Scan# 2756

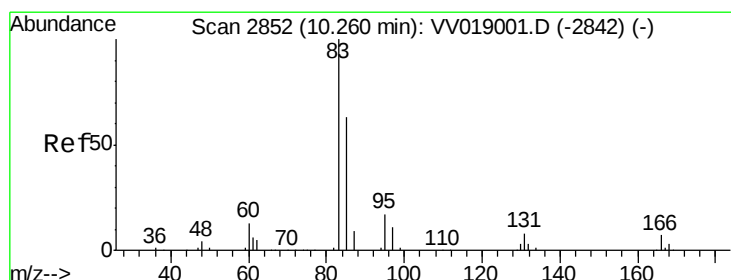
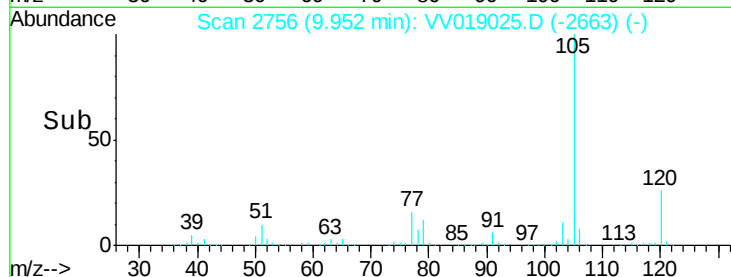
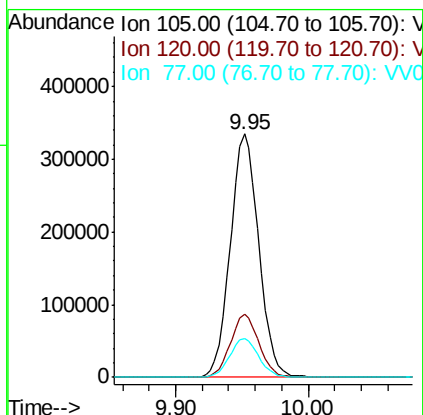
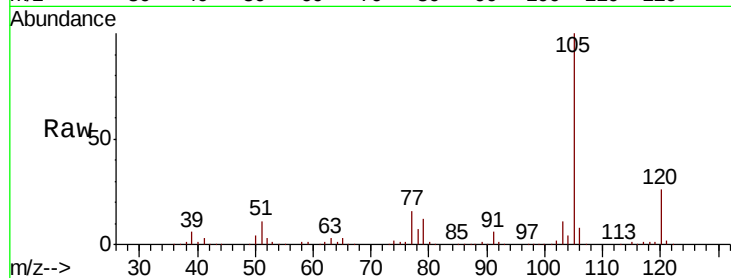
Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:105	Resp:	498007
Ion Ratio	Lower	Upper
105 100		
120 25.9	20.4	30.6
77 16.4	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 51.410 ug/L

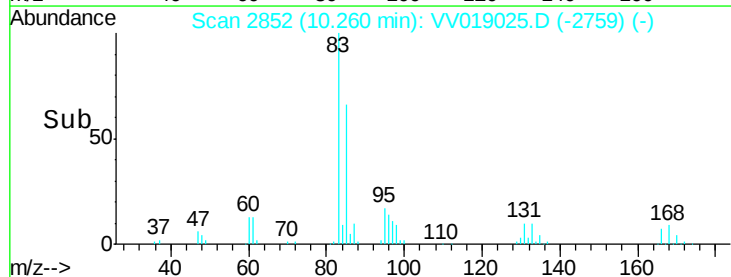
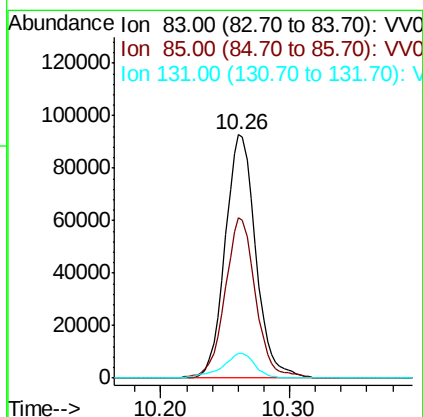
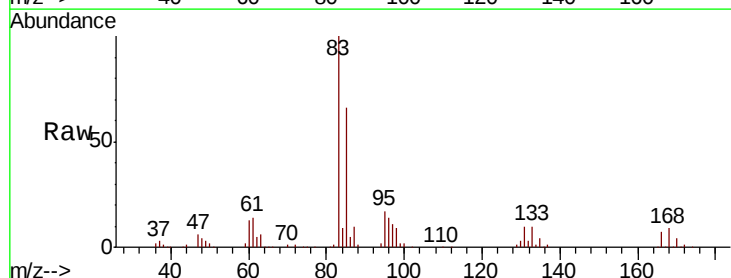
RT: 10.26 min Scan# 2852

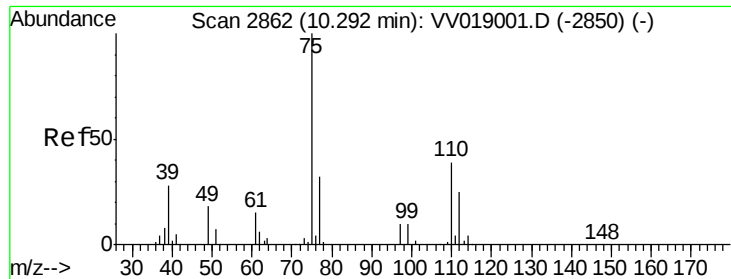
Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Tgt Ion: 83	Resp:	152672
Ion Ratio	Lower	Upper
83 100		
85 65.9	44.7	82.9
131 10.0	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 49.963 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

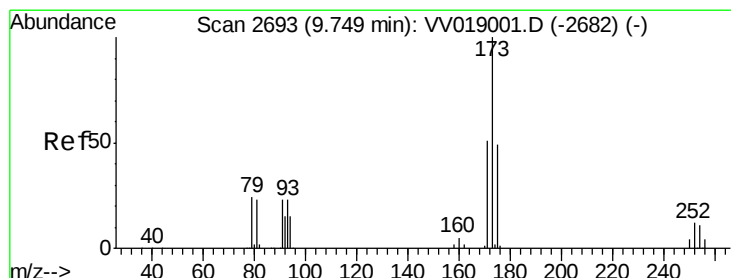
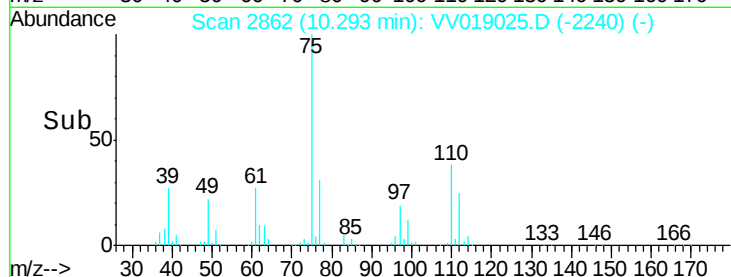
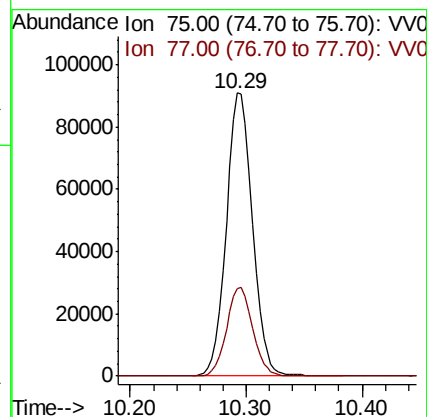
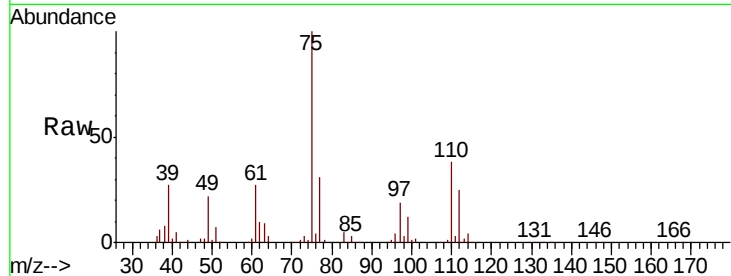
ClientSampleId :

Tot Ion: 75 Resp: 142197

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#61

Bromoform

Concen: 50.380 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

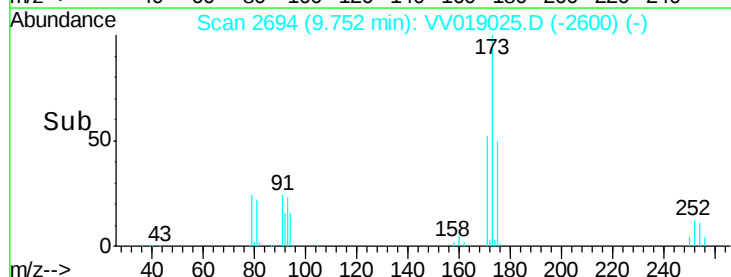
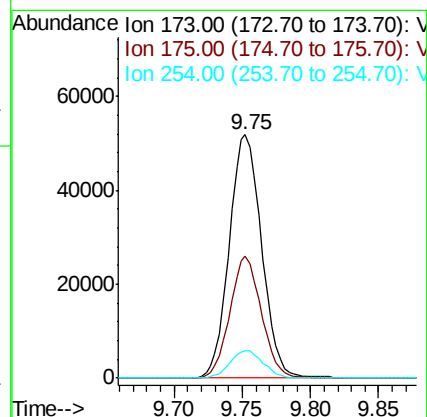
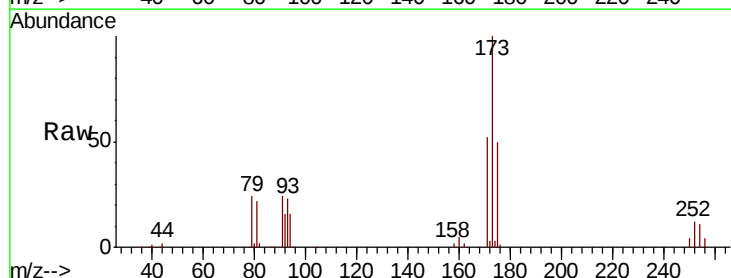
Tgt Ion: 173 Resp: 85635

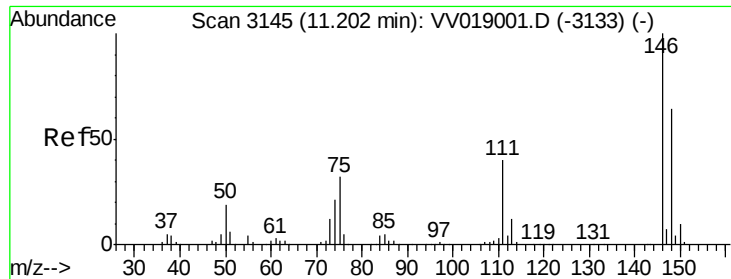
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

254 11.5 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 50.431 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

ClientSampled :

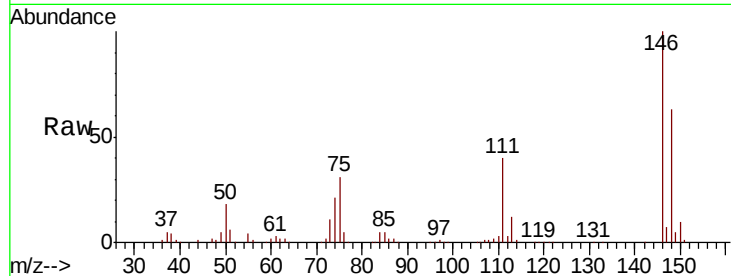
Tot Ion:146 Resp: 243268

Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.7

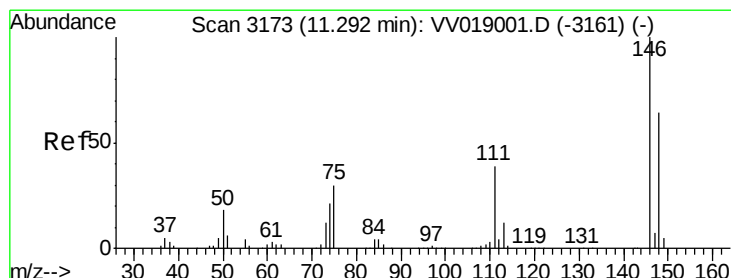
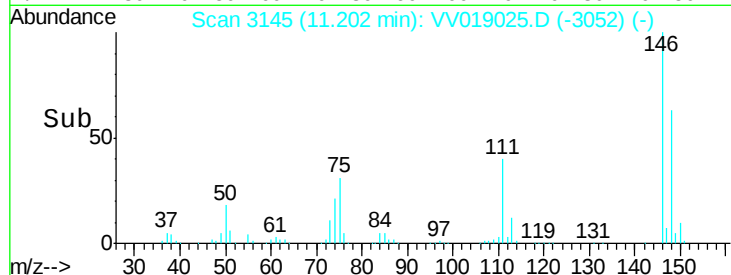
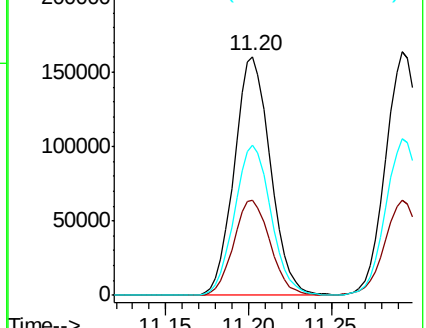
148 63.1 45.1 83.7



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: 49.212 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

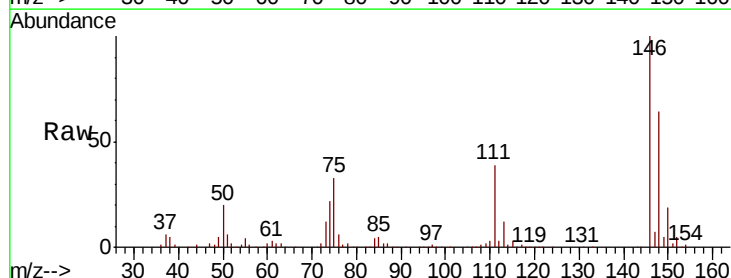
Tgt Ion:146 Resp: 249576

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

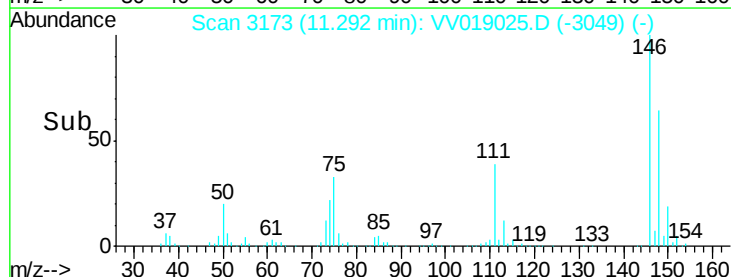
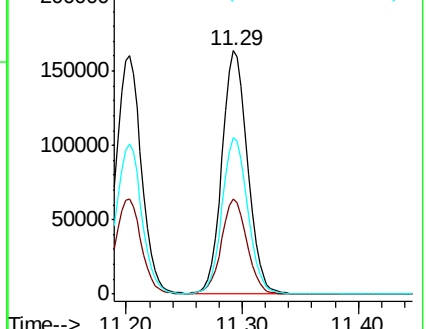
148 64.2 44.1 81.9

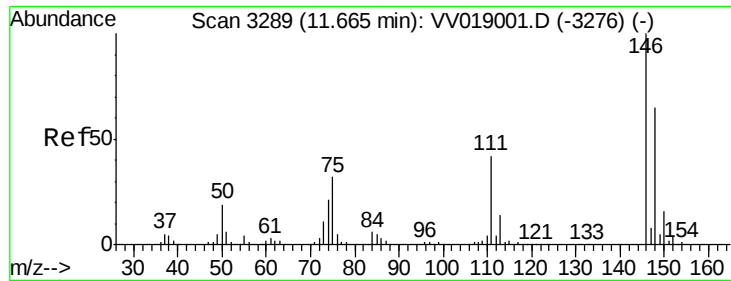


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.174 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

ClientSampleId :

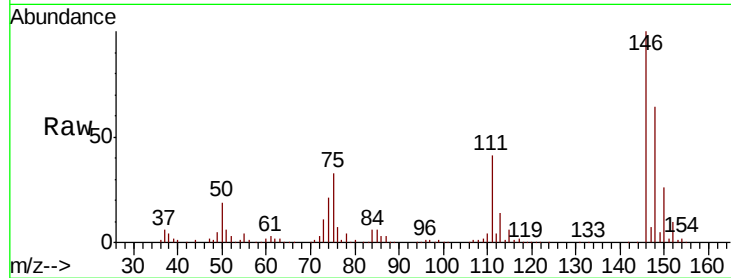
Tot Ion:146 Resp: 244188

Ion Ratio Lower Upper

146 100

111 41.1 33.9 50.9

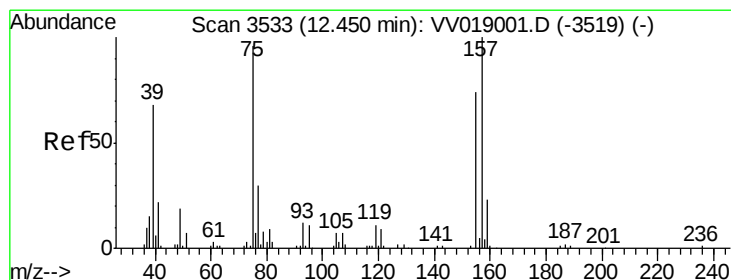
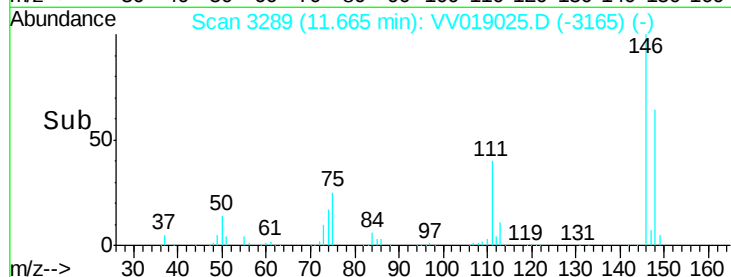
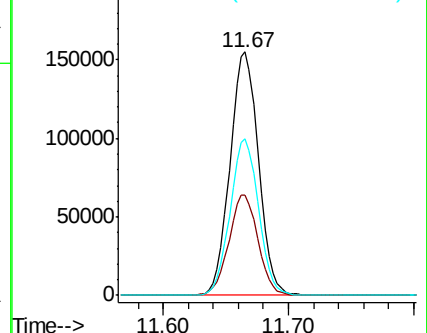
148 64.3 49.8 74.8



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: 48.516 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

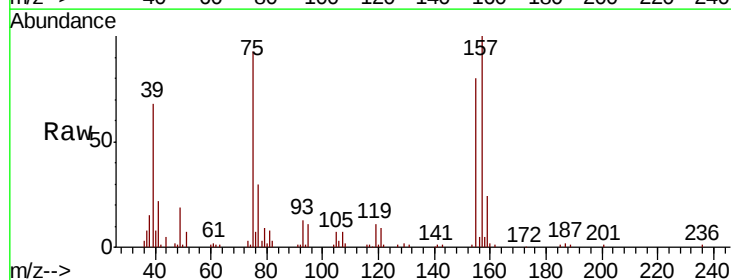
Tgt Ion: 75 Resp: 35187

Ion Ratio Lower Upper

75 100

155 86.1 65.7 98.5

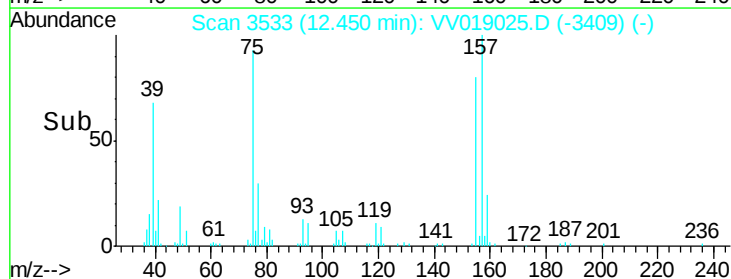
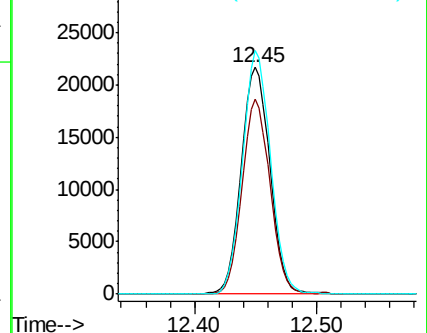
157 107.4 83.0 124.4

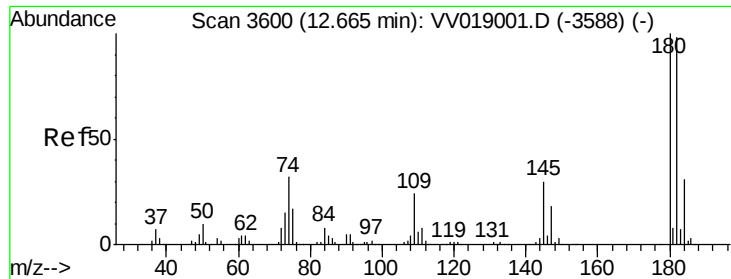


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

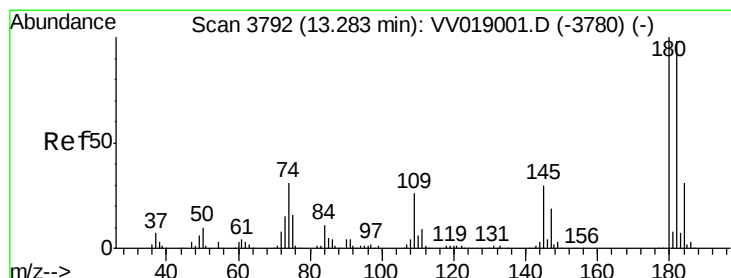
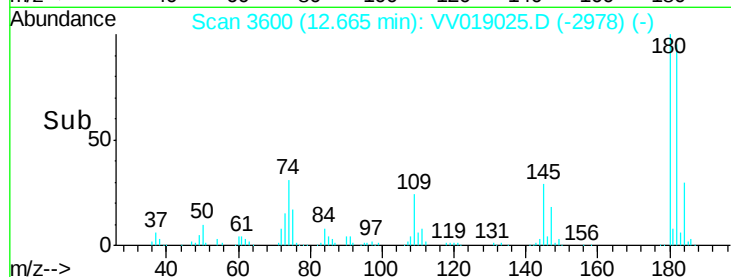
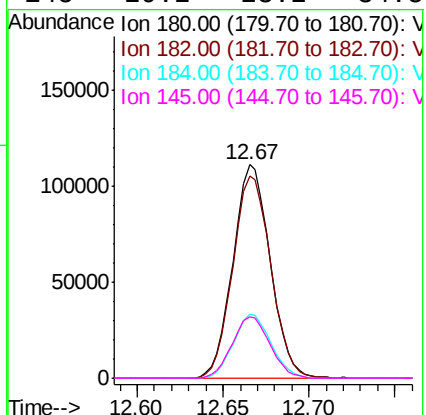
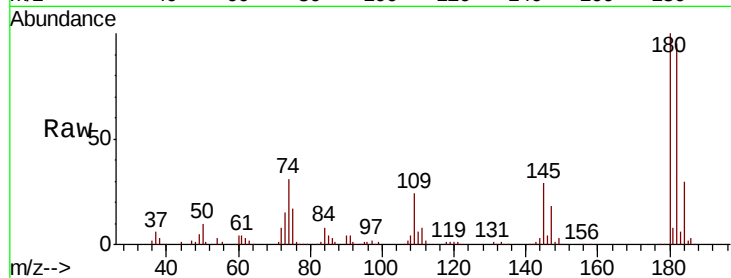




#67
 1,3,5-Trichlorobenzene
 Concen: 51.706 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

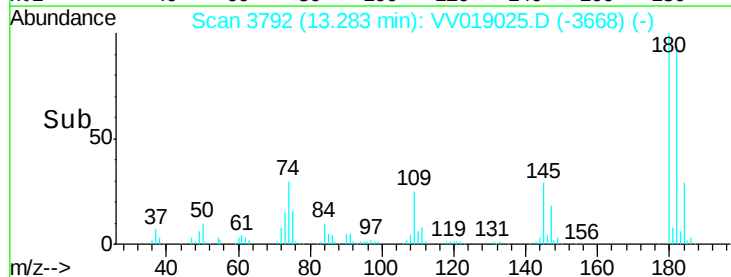
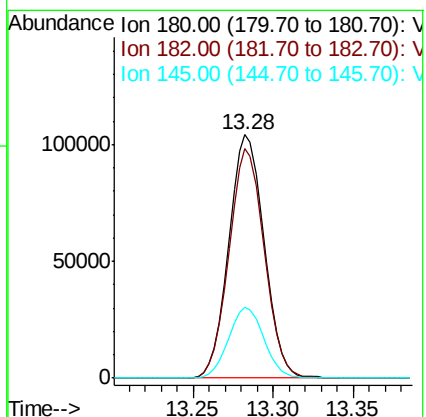
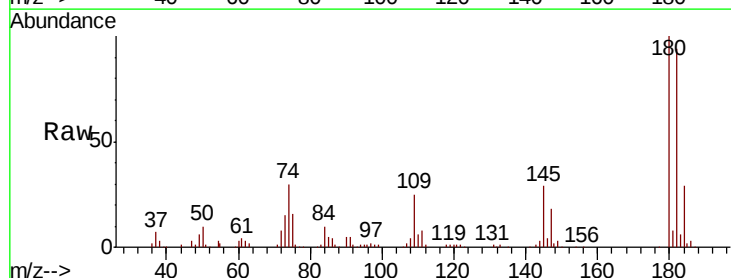
Instrument :
 MSVOA_V
 ClientSampleId :

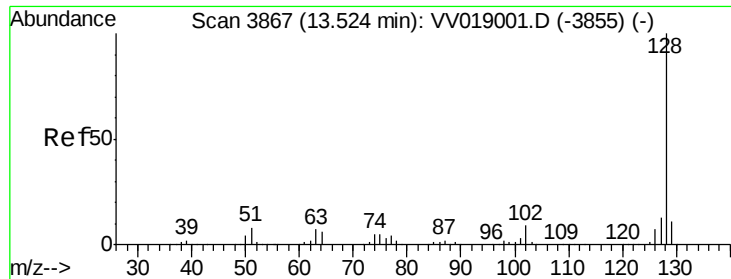
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
184	30.2	24.9	37.3
145	29.2	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 52.422 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019025.D
 Acq: 20 Oct 2020 19:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	29.2	23.7	35.5





#69

Naphthalene

Concen: 53.393 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

Instrument :

MSVOA_V

ClientSampleId :

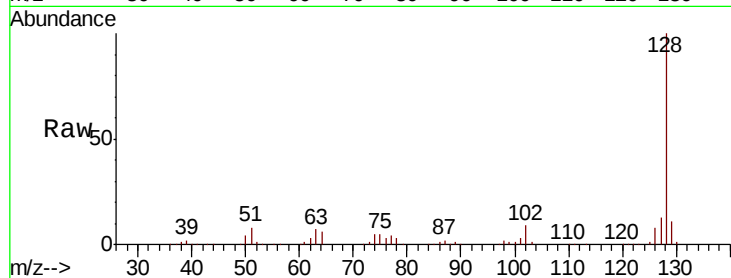
Tot Ion:128 Resp: 452437

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

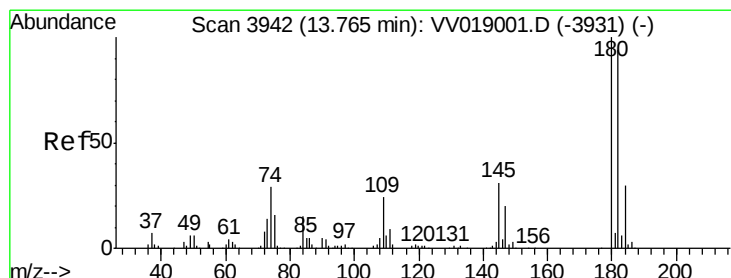
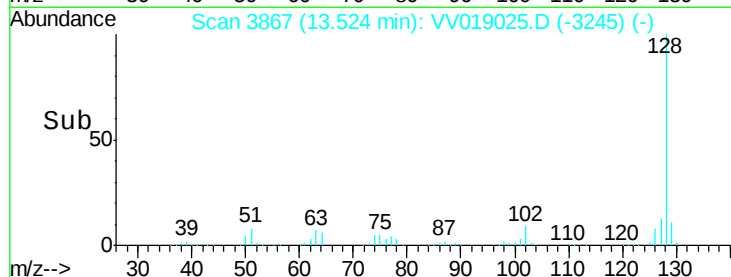
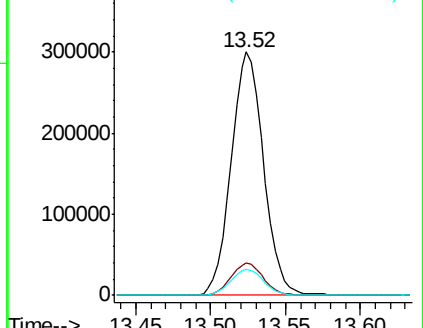
129 10.9 8.9 13.3



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: 53.583 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019025.D

Acq: 20 Oct 2020 19:55

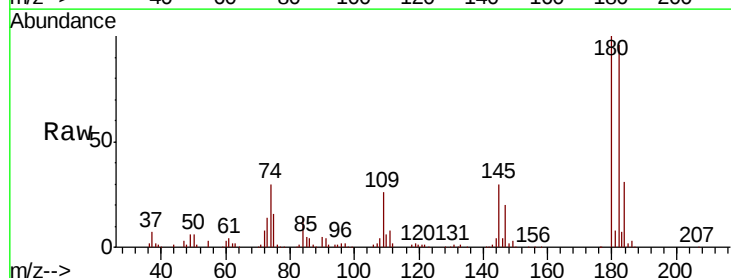
Tgt Ion:180 Resp: 159924

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 31.0 25.4 38.0



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

