

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015301.D
 Acq On : 31 Mar 2020 03:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 31 06:28:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 31 06:20:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	576439	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	585015	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	270967	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	179478	42.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.40%
7) Chloroethane-d5	1.58	69	181796	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.96%
11) 1,1-Dichloroethene-d2	2.12	63	393735	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.88%
21) 2-Butanone-d5	3.93	46	302896	110.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	4.38	84	369117	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.06	65	244682	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
32) Benzene-d6	5.08	84	692002	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.62%
36) 1,2-Dichloropropane-d6	6.10	67	226723	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.94%
41) Toluene-d8	7.34	98	679550	45.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.98%
43) trans-1,3-Dichloropropene-	7.64	79	118250	45.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.94%
47) 2-Hexanone-d5	8.11	63	242393	108.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.19%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	356408	50.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	251993	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	187053	46.125	ug/L	99
3) Chloromethane	1.25	50	230321	50.012	ug/L	98
5) Vinyl chloride	1.32	62	237445	48.871	ug/L	96
6) Bromomethane	1.53	94	159190	48.978	ug/L	96
8) Chloroethane	1.60	64	170476	50.882	ug/L	98
9) Trichlorofluoromethane	1.77	101	412257	50.198	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	197081	44.752	ug/L	97
12) 1,1-Dichloroethene	2.13	96	203769	47.796	ug/L	98
13) Acetone	2.22	43	175898	93.780	ug/L	97
14) Carbon disulfide	2.31	76	458738	44.217	ug/L	99
15) Methyl Acetate	2.46	43	201467	53.493	ug/L	100
16) Methylene chloride	2.52	84	200110	50.170	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	169555	47.460	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	647012	53.190	ug/L	99
19) 1,1-Dichloroethane	3.21	63	343166	51.521	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	203329	50.630	ug/L	95
22) 2-Butanone	4.02	43	283745	103.776	ug/L	96

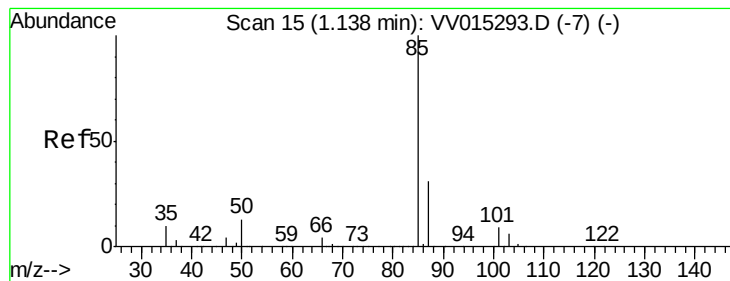
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
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 Quant Title : VOC Analysis
 QLast Update : Tue Mar 31 06:20:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	99649	50.405	ug/L	97
25) Chloroform	4.41	83	367836	51.723	ug/L	95
27) 1,2-Dichloroethane	5.16	62	298857	52.835	ug/L	100
29) Cyclohexane	4.70	56	278908	44.946	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	320733	48.353	ug/L	98
31) Carbon tetrachloride	4.86	117	262307	46.680	ug/L	99
33) Benzene	5.13	78	774025	49.979	ug/L	100
34) Trichloroethene	5.94	95	195341	47.017	ug/L	99
35) Methylcyclohexane	6.16	83	290149	44.525	ug/L	99
37) 1,2-Dichloropropane	6.20	63	200657	50.938	ug/L	99
38) Bromodichloromethane	6.53	83	286980	50.660	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	333273	50.095	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	604959	103.285	ug/L	99
42) Toluene	7.41	91	870016	50.042	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	320124	48.972	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	208296	52.487	ug/L	99
46) Tetrachloroethene	8.00	164	126464	46.001	ug/L	95
48) 2-Hexanone	8.16	43	474538	105.610	ug/L	99
49) Dibromochloromethane	8.27	129	220150	50.759	ug/L	99
50) 1,2-Dibromoethane	8.38	107	219492	50.904	ug/L	98
51) Chlorobenzene	8.90	112	552514	48.830	ug/L	98
52) Ethylbenzene	9.04	91	964663	49.204	ug/L	99
53) m,p-Xylene	9.16	106	370522	49.549	ug/L	99
54) o-xylene	9.57	106	374126	50.292	ug/L	98
55) Styrene	9.58	104	635958	50.098	ug/L	99
56) Isopropylbenzene	9.95	105	959670	49.007	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	343160	52.104	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	283355	51.989	ug/L	98
61) Bromoform	9.76	173	140018	51.814	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	409571	49.561	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	409486	48.546	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	418906	50.233	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	95983	52.312	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	256726	48.674	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	235119	46.916	ug/L	97
69) Naphthalene	13.53	128	1018260	50.971	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	248093	49.326	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 46.125 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

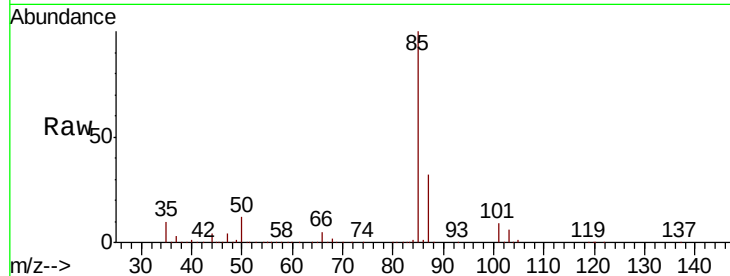
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 187053

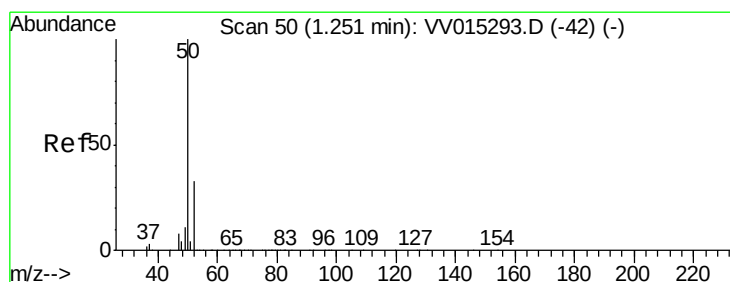
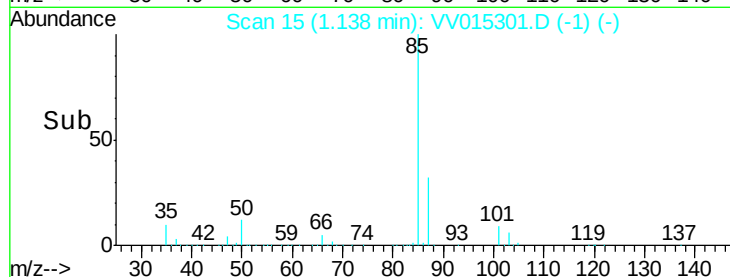
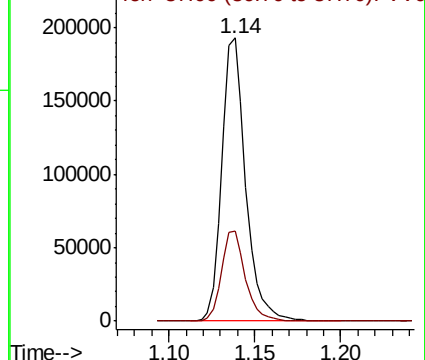
Ion Ratio Lower Upper

85 100

87 32.0 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV015301.D (-1) (-)
Ion 87.00 (86.70 to 87.70): VV015301.D (-1) (-)



#3

Chloromethane

Concen: 50.012 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015301.D

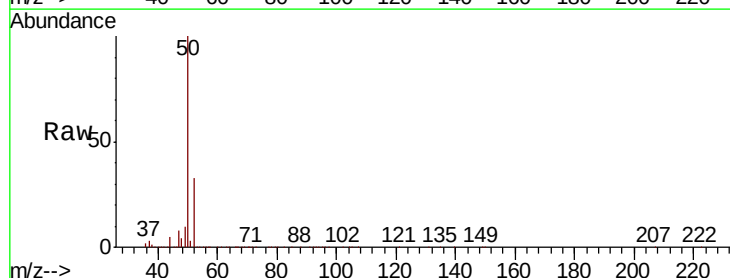
Acq: 31 Mar 2020 03:49

Tgt Ion: 50 Resp: 230321

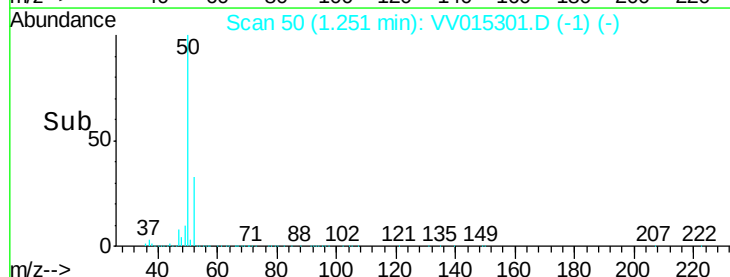
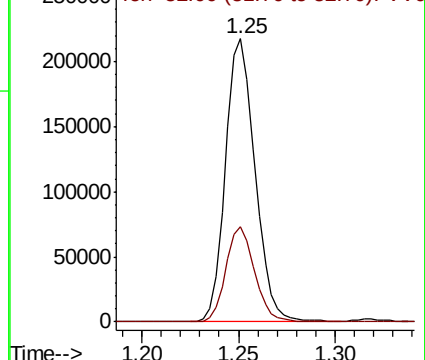
Ion Ratio Lower Upper

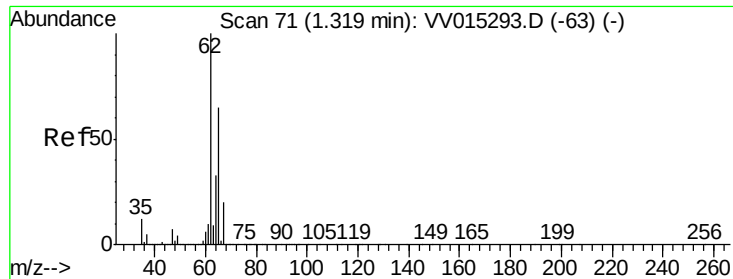
50 100

52 33.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV015301.D (-1) (-)
Ion 52.00 (51.70 to 52.70): VV015301.D (-1) (-)





#5

Vinyl chloride

Concen: 48.871 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

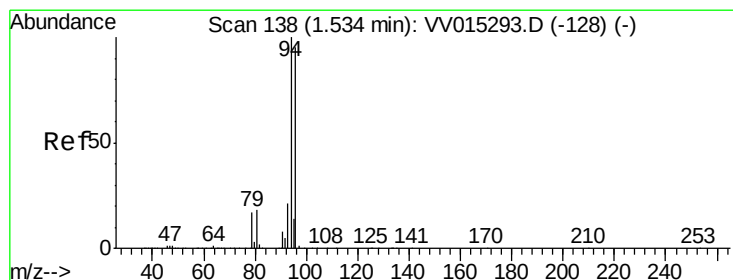
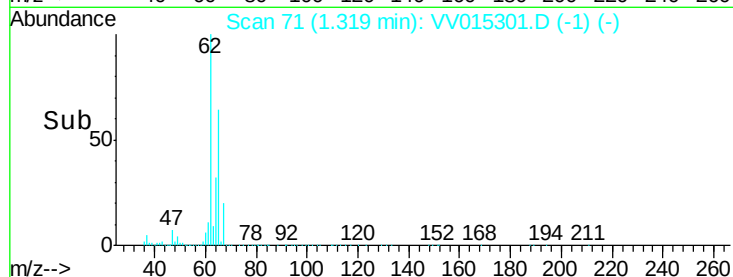
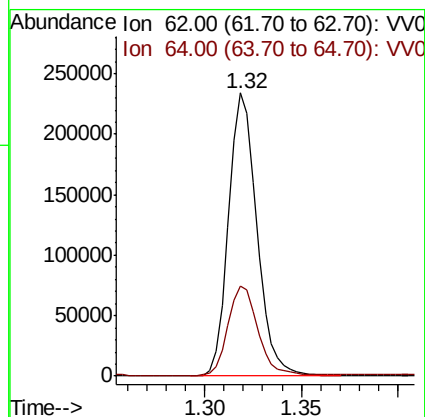
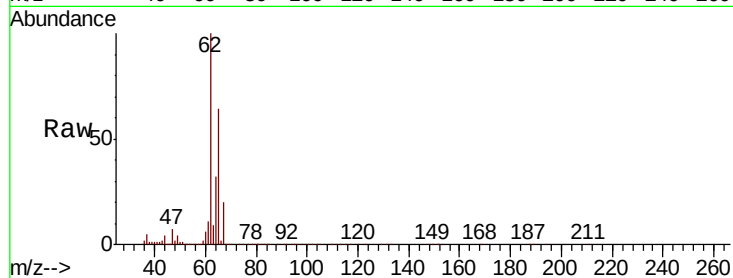
ClientSampleId :

Tot Ion: 62 Resp: 237445

Ion Ratio Lower Upper

62 100

64 32.0 23.9 44.3



#6

Bromomethane

Concen: 48.978 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015301.D

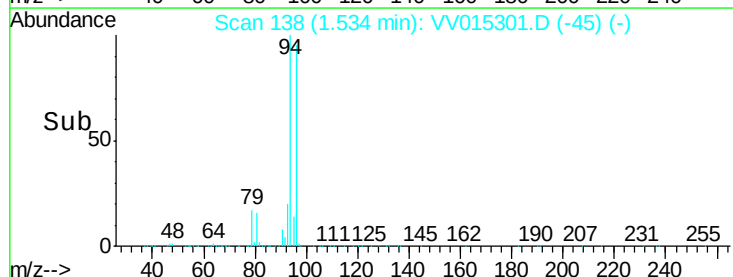
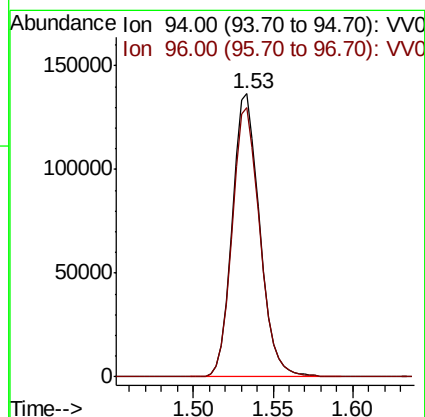
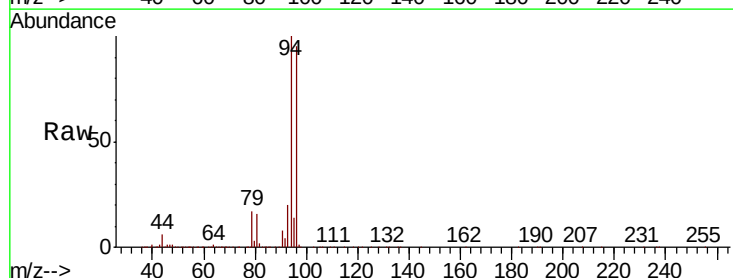
Acq: 31 Mar 2020 03:49

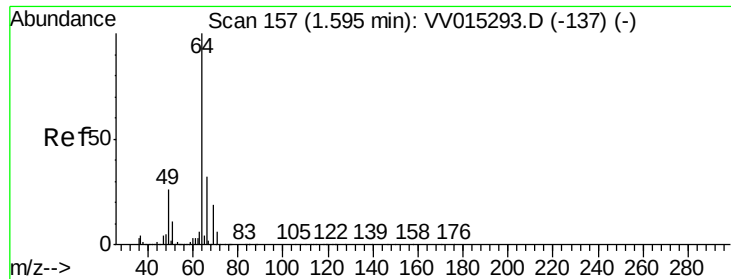
Tgt Ion: 94 Resp: 159190

Ion Ratio Lower Upper

94 100

96 95.2 63.7 118.3

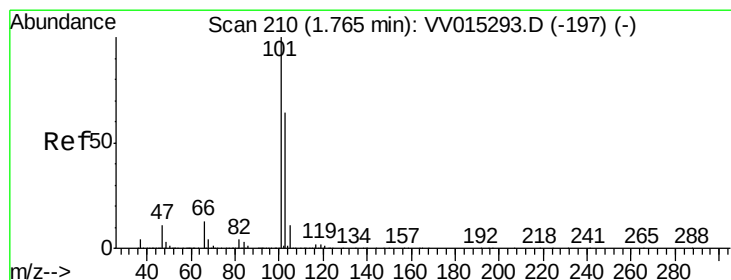
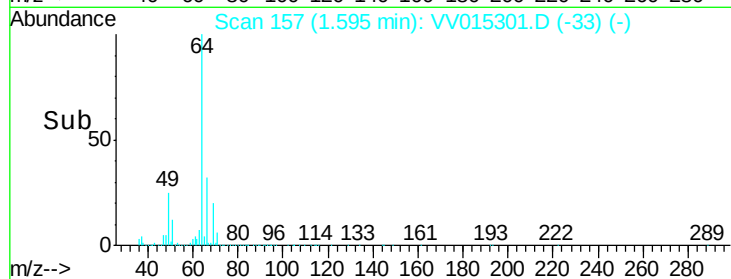
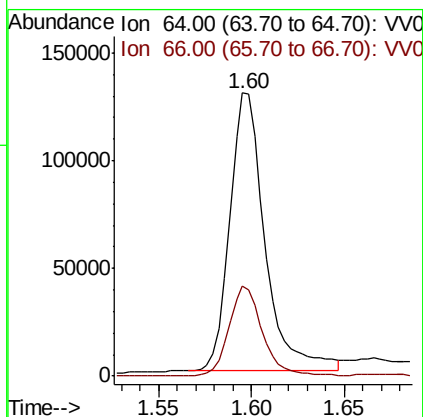
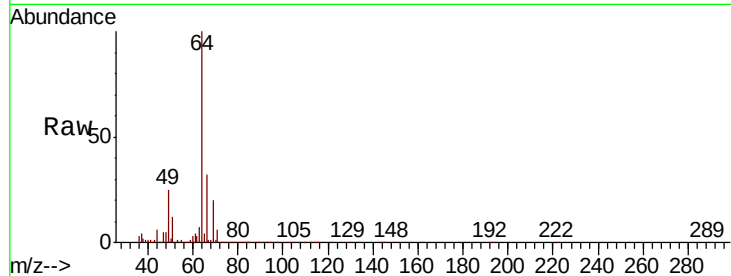




#8
Chloroethane
Concen: 50.882 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

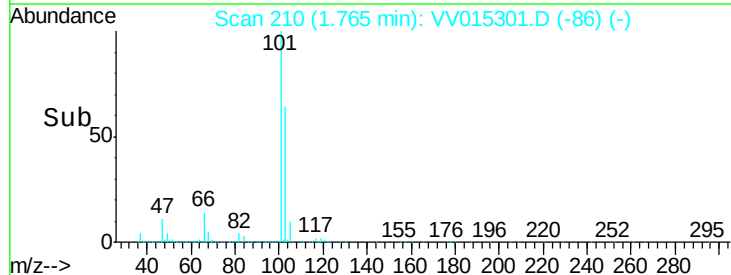
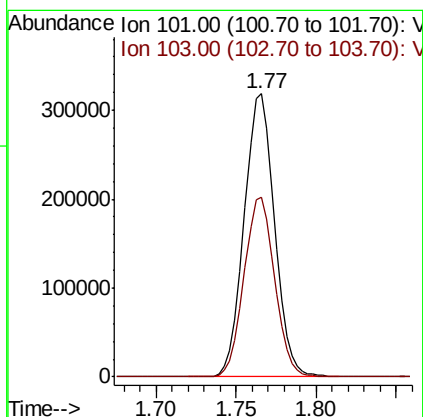
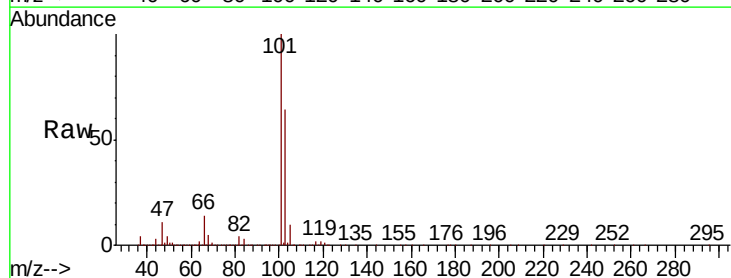
Instrument :
MSVOA_V
ClientSampleId :

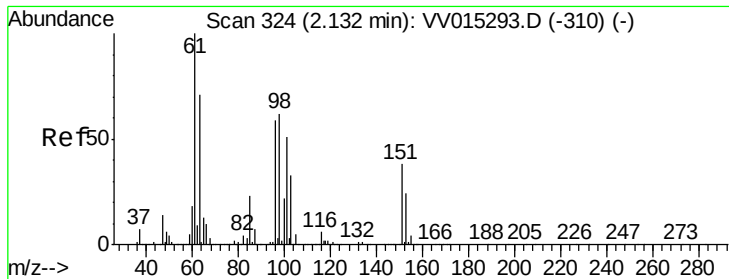
Tot Ion: 64 Resp: 170476
Ion Ratio Lower Upper
64 100
66 31.8 21.5 39.9



#9
Trichlorofluoromethane
Concen: 50.198 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 101 Resp: 412257
Ion Ratio Lower Upper
101 100
103 64.0 51.3 76.9





#10

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

Concen: 44.752 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

ClientSampled :

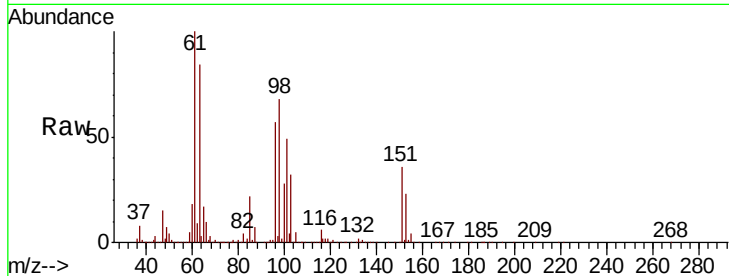
Tot Ion:101 Resp: 197081

Ion Ratio Lower Upper

101 100

85 47.0 35.0 52.6

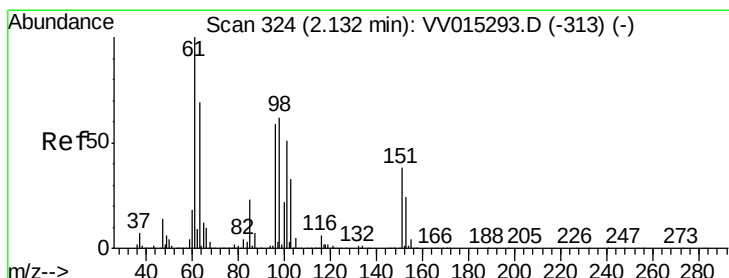
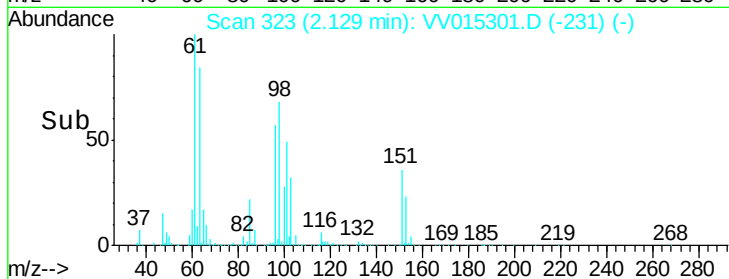
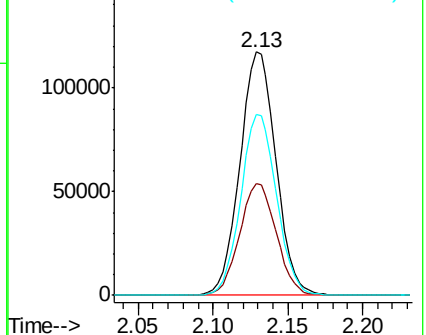
151 73.9 58.2 87.4



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: 47.796 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

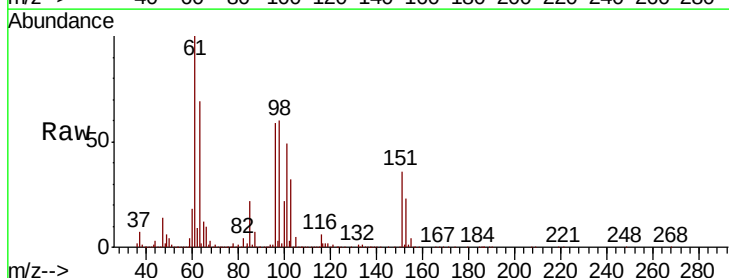
Tgt Ion: 96 Resp: 203769

Ion Ratio Lower Upper

96 100

61 168.3 120.9 224.5

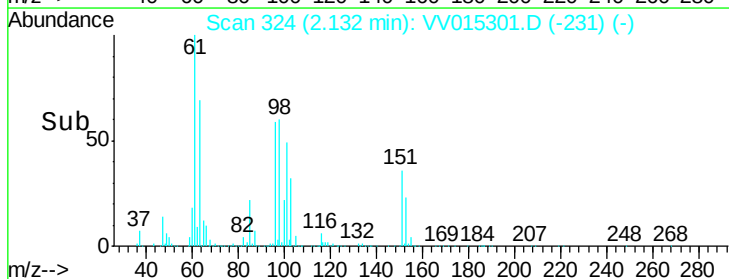
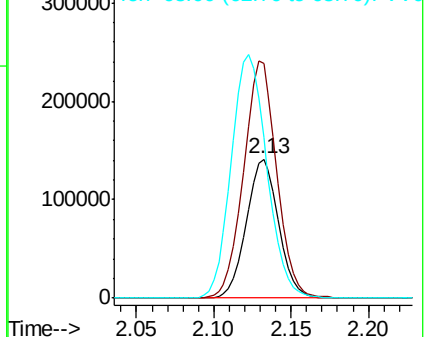
63 115.6 81.2 150.8

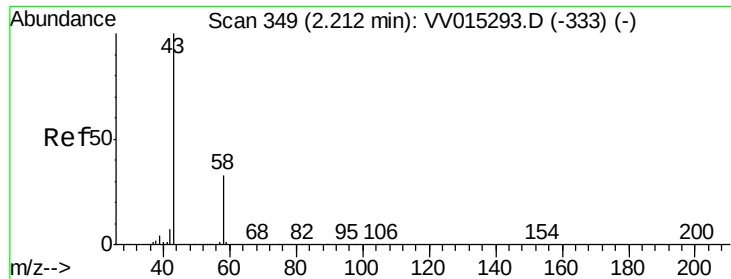


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 93.780 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

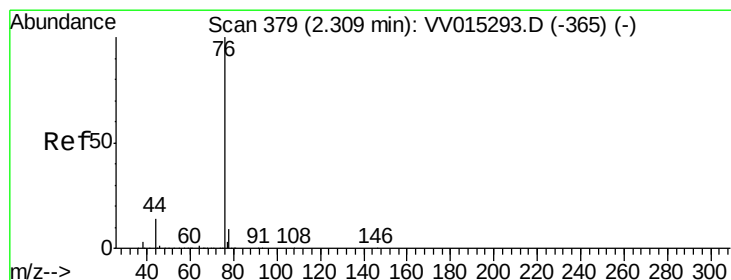
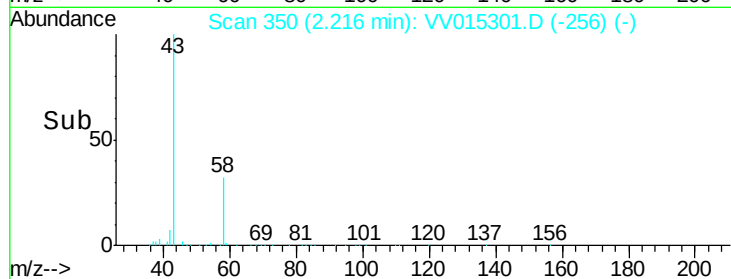
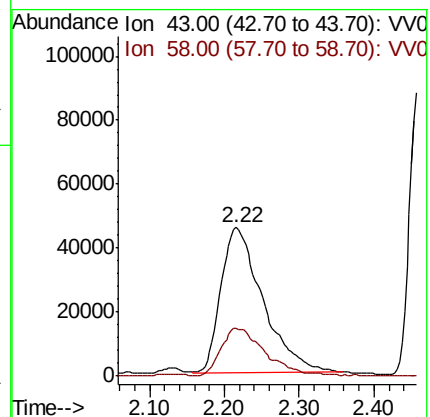
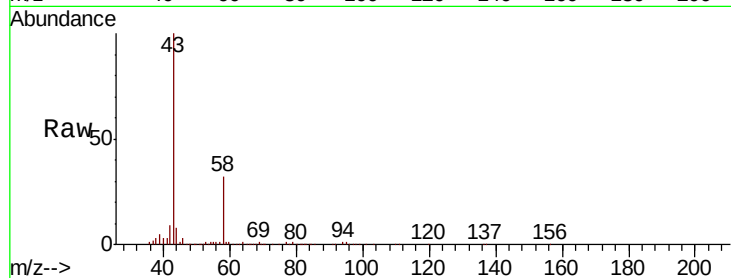
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 175898

Ion Ratio Lower Upper

43 100

58 33.4 0.0 63.6



#14

Carbon disulfide

Concen: 44.217 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015301.D

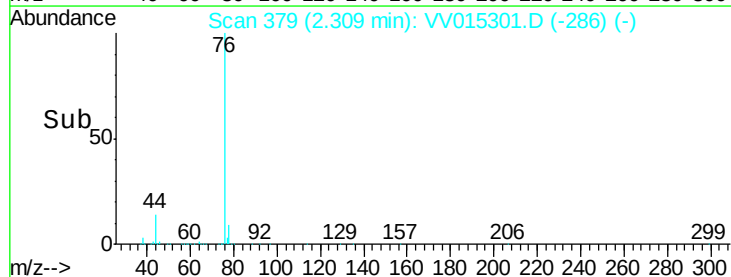
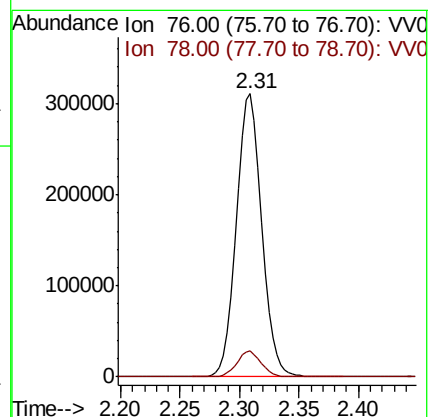
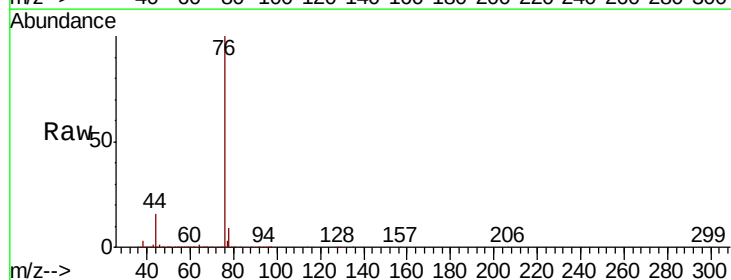
Acq: 31 Mar 2020 03:49

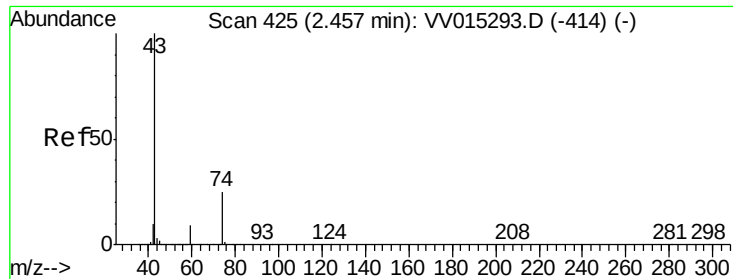
Tgt Ion: 76 Resp: 458738

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

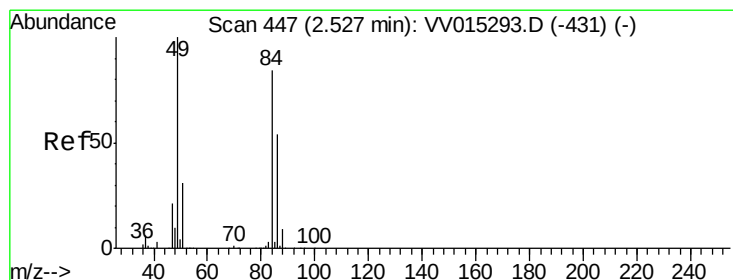
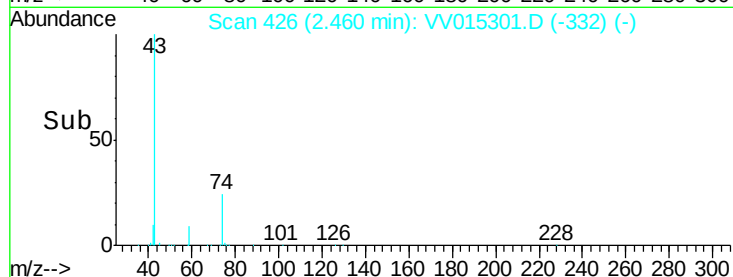
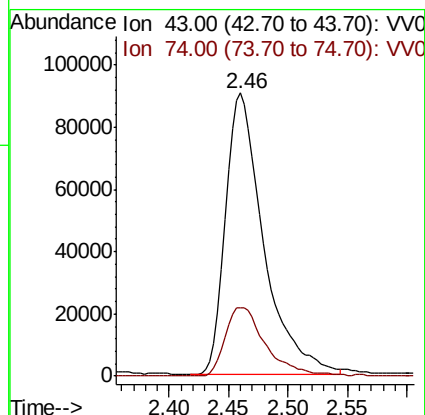
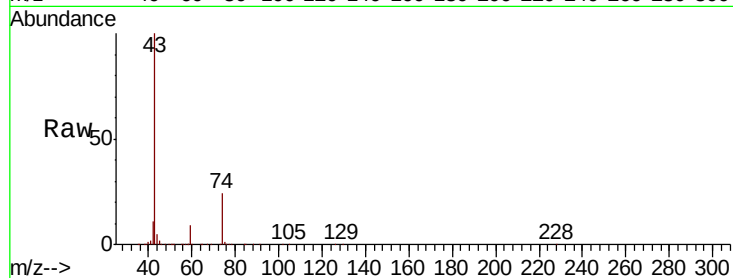




#15
Methyl Acetate
Concen: 53.493 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

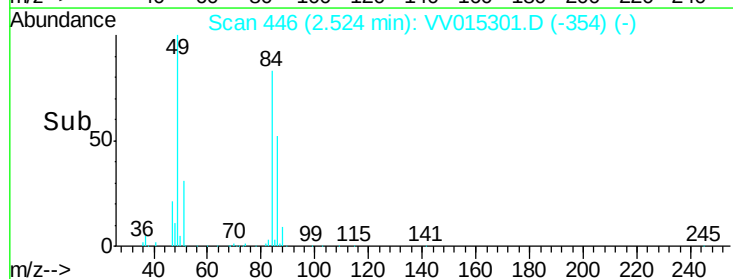
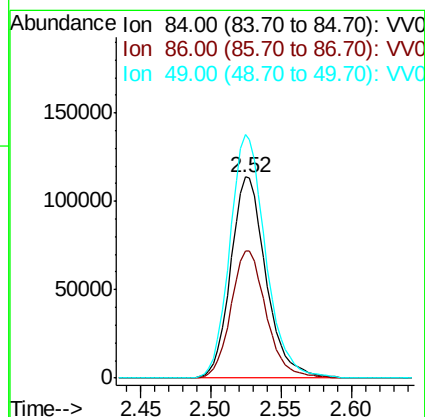
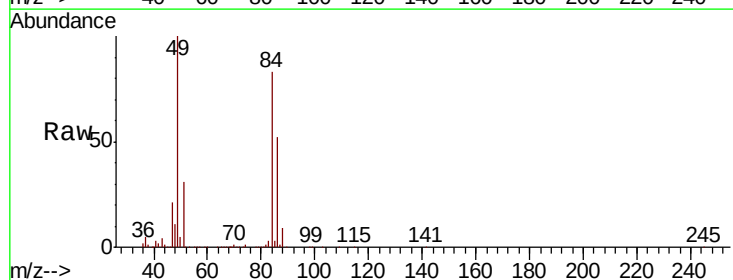
Instrument :
MSVOA_V
ClientSampled :

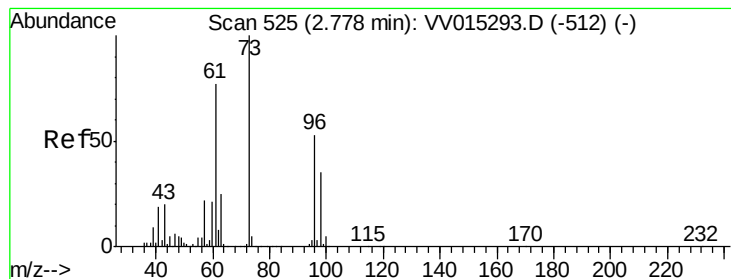
Tot Ion: 43 Resp: 201467
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5



#16
Methylene chloride
Concen: 50.170 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 84 Resp: 200110
Ion Ratio Lower Upper
84 100
86 63.4 45.5 84.5
49 121.0 83.7 155.4





#17

trans-1,2-Dichloroethene

Concen: 47.460 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

ClientSampleId :

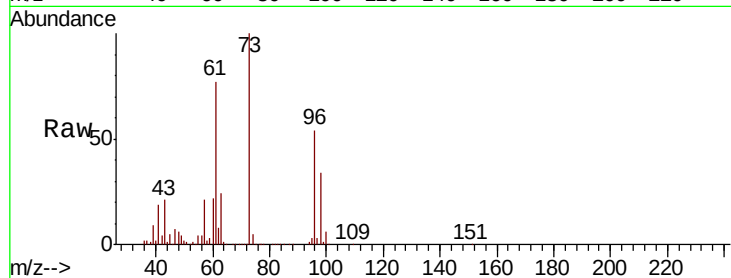
Tot Ion: 96 Resp: 169555

Ion Ratio Lower Upper

96 100

61 142.4 98.5 182.9

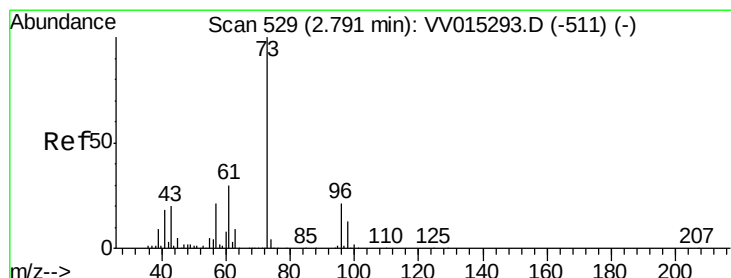
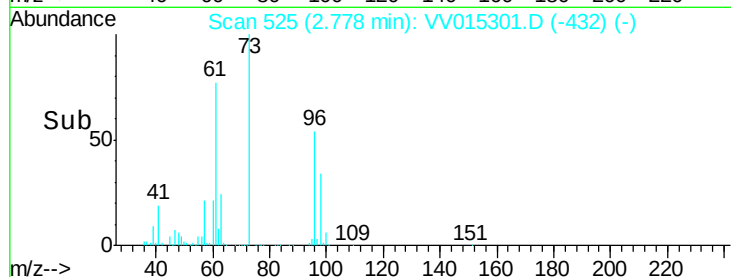
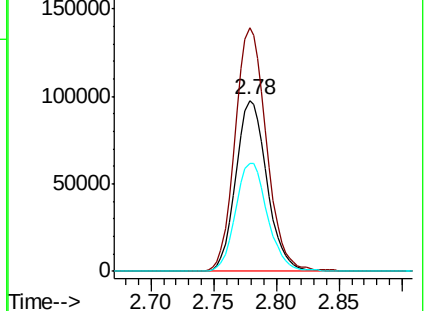
98 63.4 45.5 84.5



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



#18

Methyl tert-butyl Ether

Concen: 53.190 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

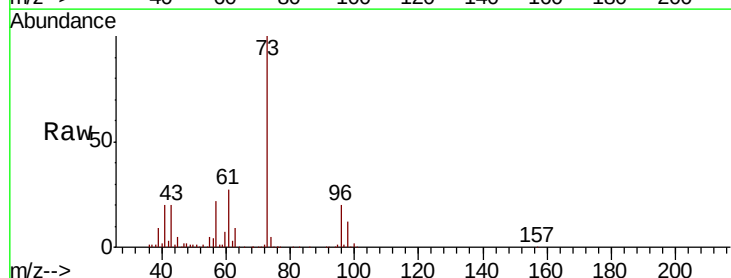
Tgt Ion: 73 Resp: 647012

Ion Ratio Lower Upper

73 100

43 19.9 15.7 23.5

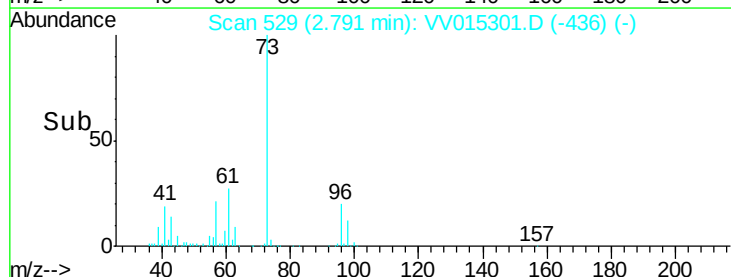
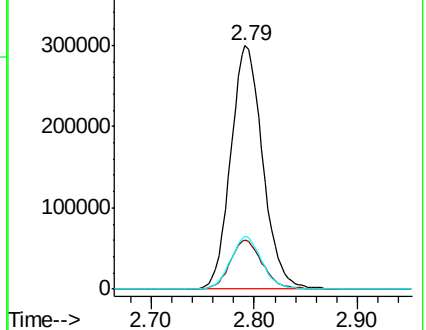
57 21.0 16.6 25.0

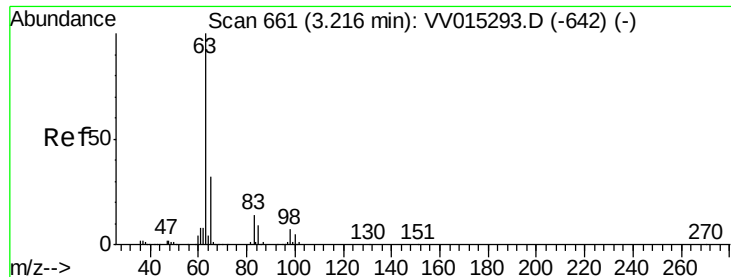


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

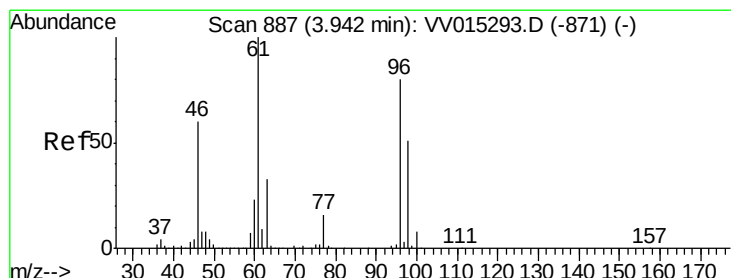
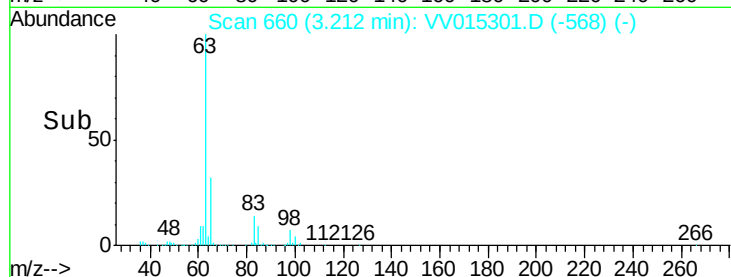
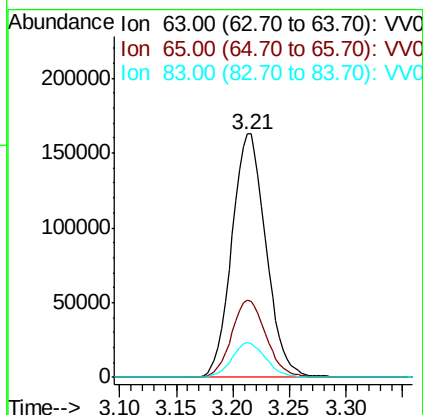
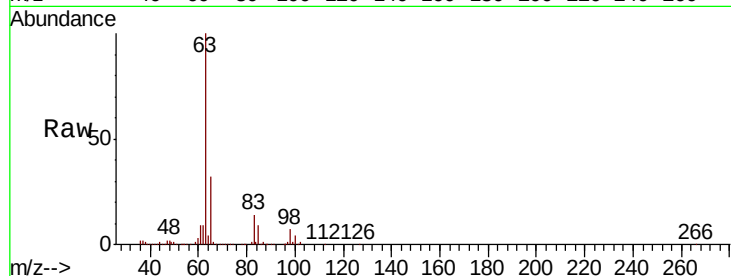




#19
 1,1-Dichloroethane
 Concen: 51.521 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

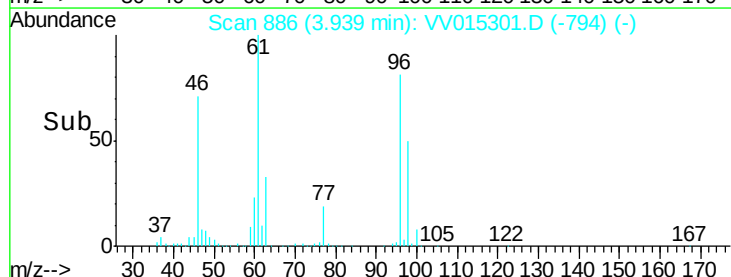
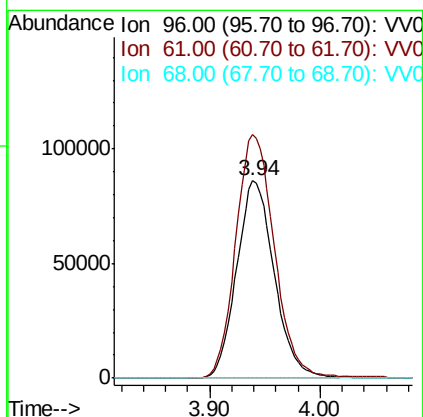
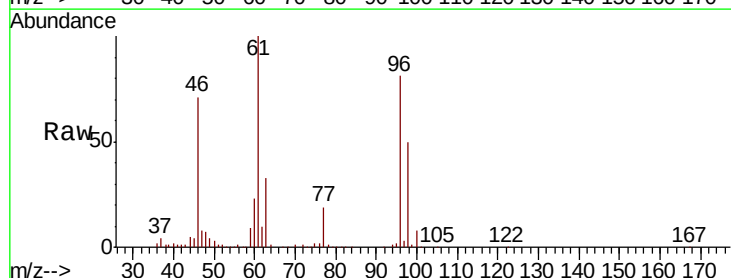
Instrument :
 MSVOA_V
 ClientSampleId :

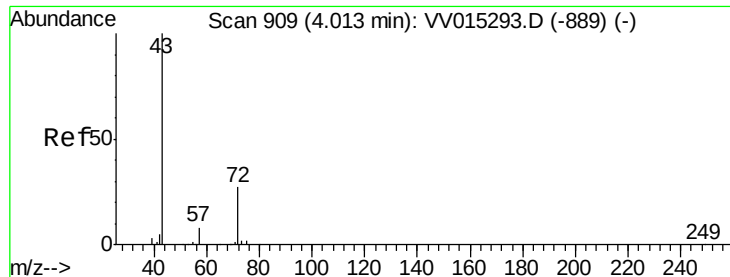
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.2	41.2
83	14.2	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 50.630 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.4	90.2	167.6
68	0.1	0.1	0.1





#22

2-Butanone

Concen: 103.776 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

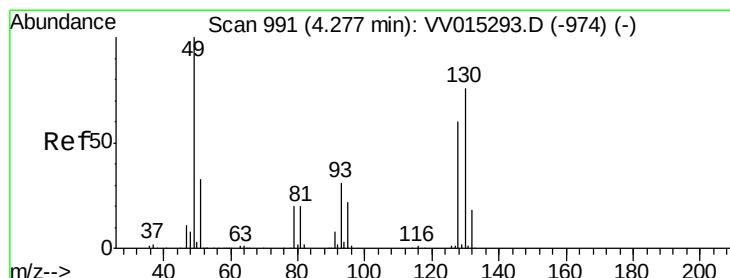
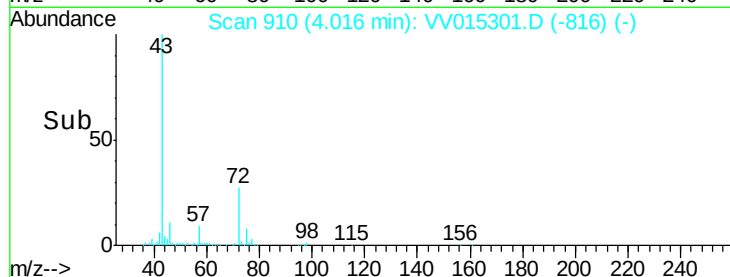
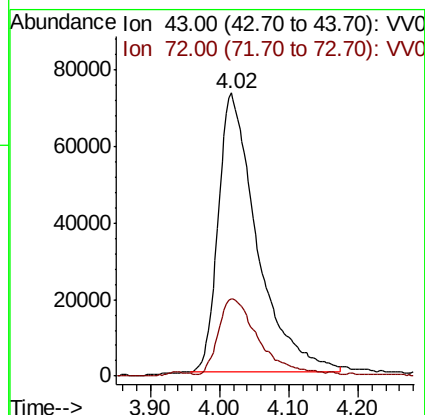
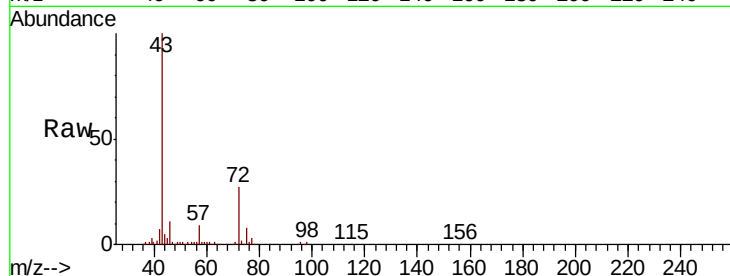
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 283745

Ion Ratio Lower Upper

43 100

72 26.6 12.4 37.0



#23

Bromochloromethane

Concen: 50.405 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Tgt Ion:128 Resp: 99649

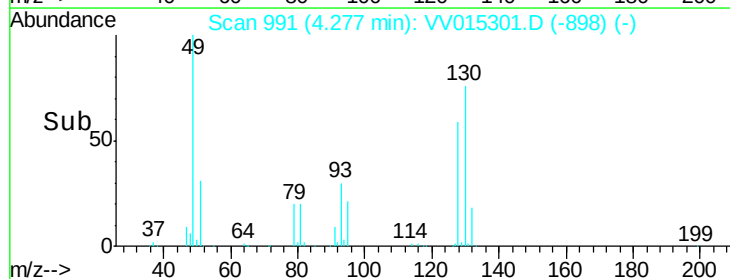
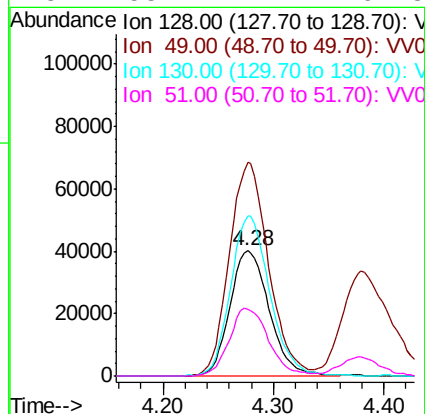
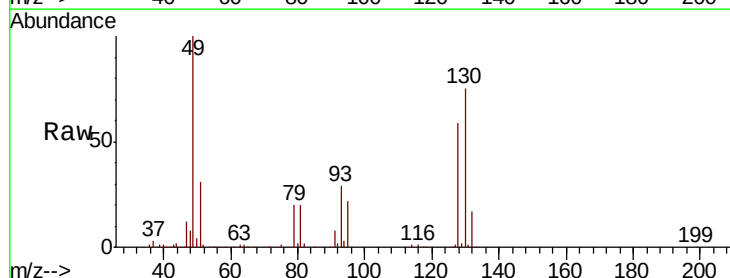
Ion Ratio Lower Upper

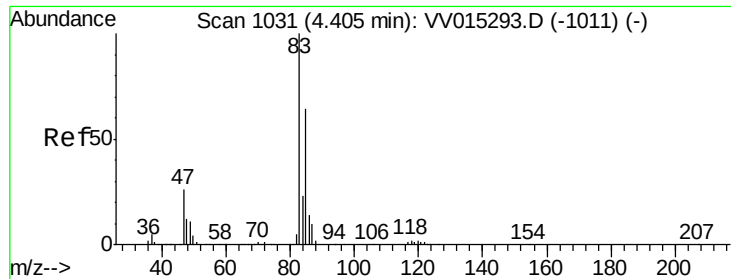
128 100

49 170.7 116.3 216.1

130 127.7 91.1 169.3

51 53.7 41.2 61.8

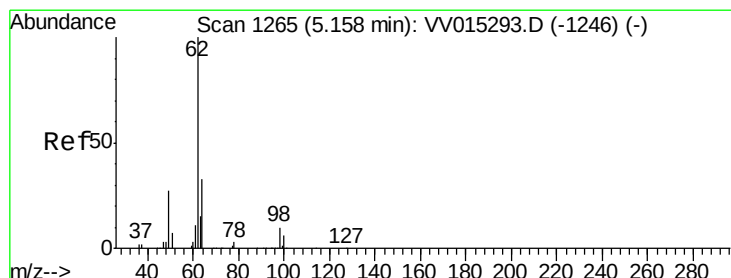
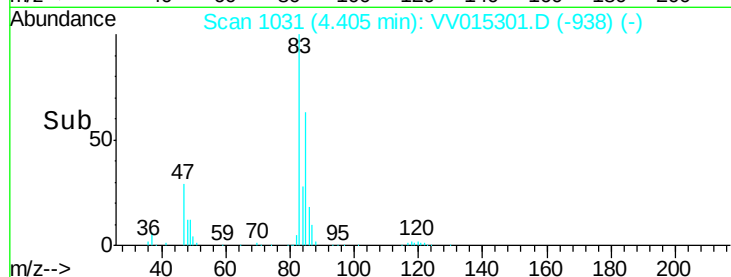
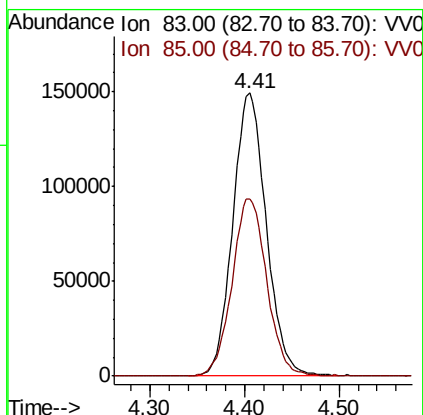
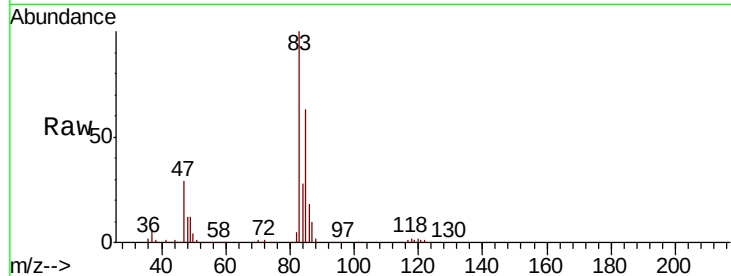




#25
Chloroform
Concen: 51.723 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

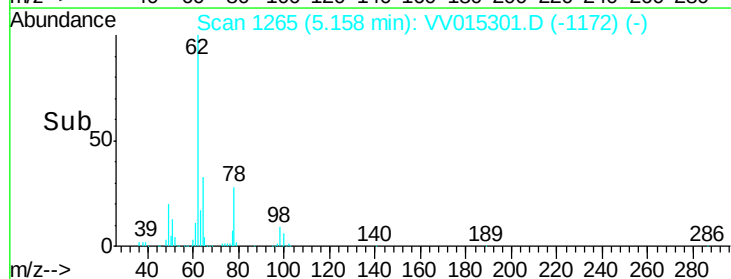
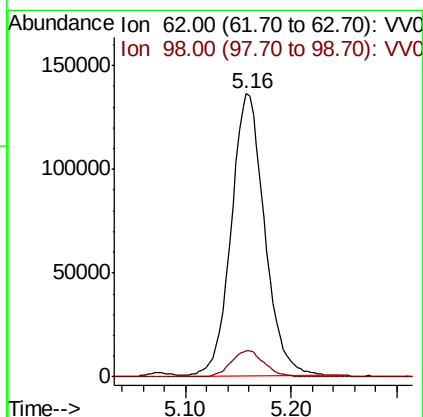
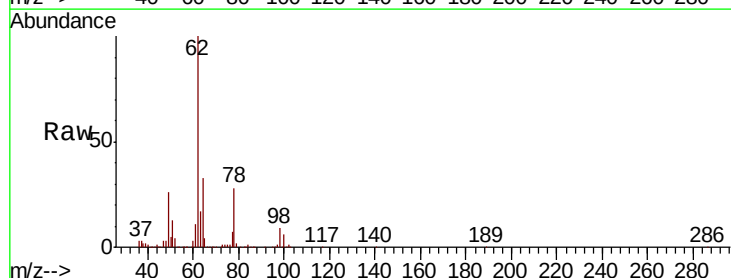
Instrument :
MSVOA_V
ClientSampleId :

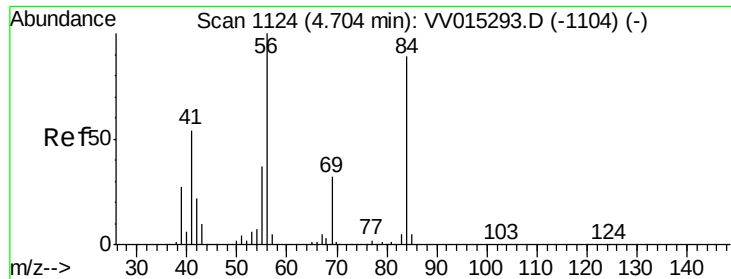
Tot Ion: 83 Resp: 367836
Ion Ratio Lower Upper
83 100
85 62.8 46.6 86.6



#27
1,2-Dichloroethane
Concen: 52.835 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 62 Resp: 298857
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0

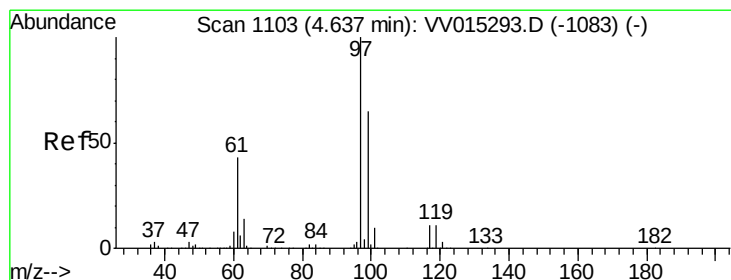
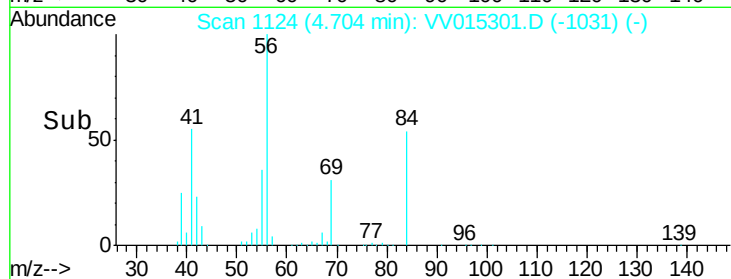
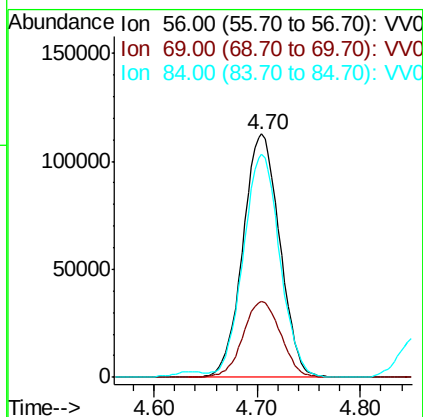
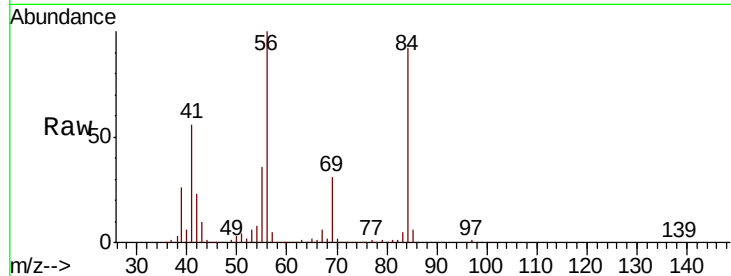




#29
Cyclohexane
Concen: 44.946 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

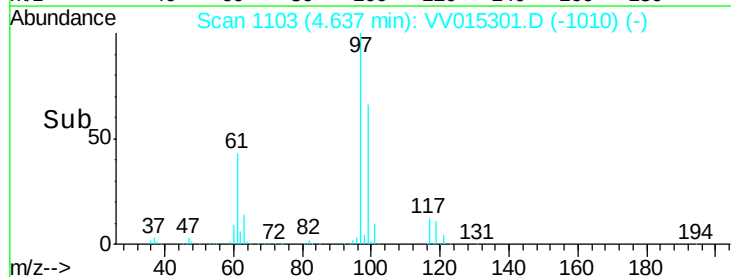
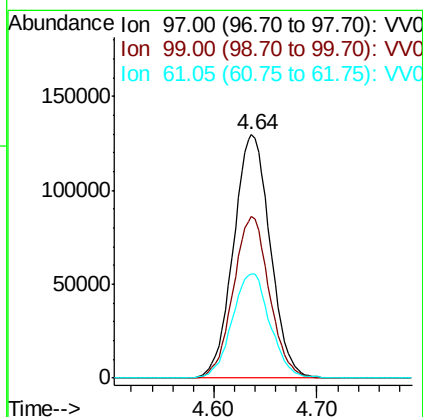
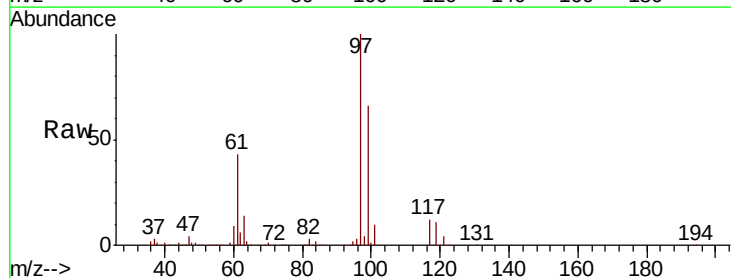
Instrument :
MSVOA_V
ClientSampleId :

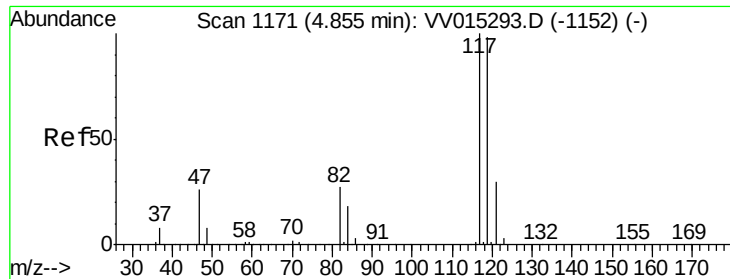
Tot Ion: 56 Resp: 278908
Ion Ratio Lower Upper
56 100
69 32.0 25.3 37.9
84 91.3 72.7 109.1



#30
1,1,1-Trichloroethane
Concen: 48.353 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 97 Resp: 320733
Ion Ratio Lower Upper
97 100
99 65.2 50.9 76.3
61 43.7 34.3 51.5

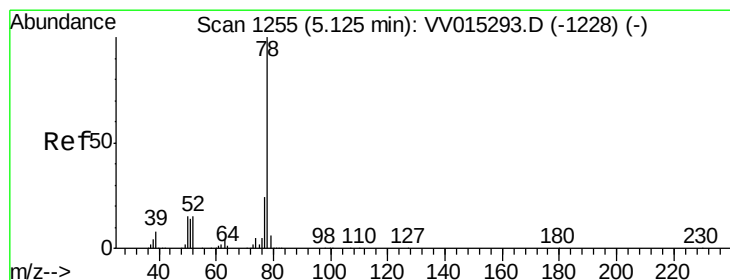
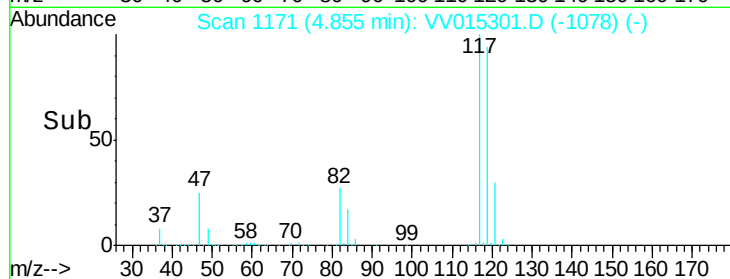
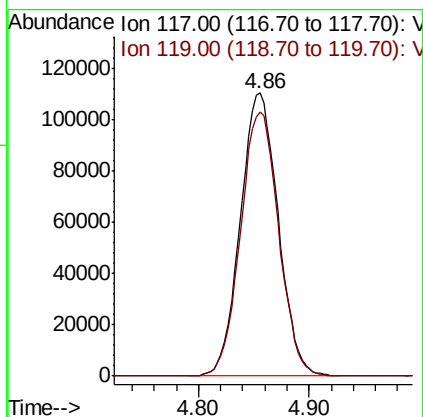
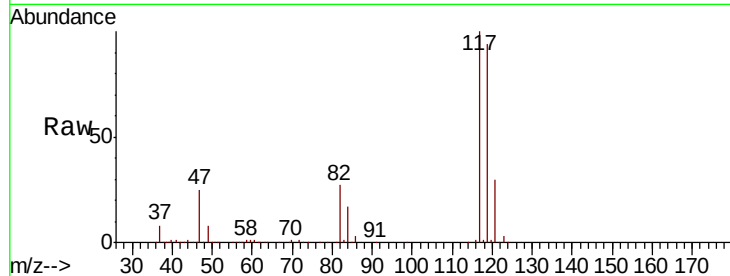




#31
Carbon tetrachloride
Concen: 46.680 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

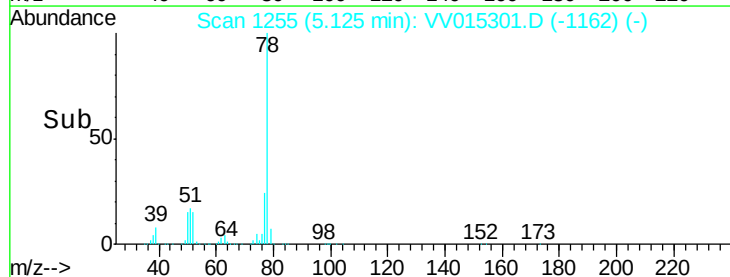
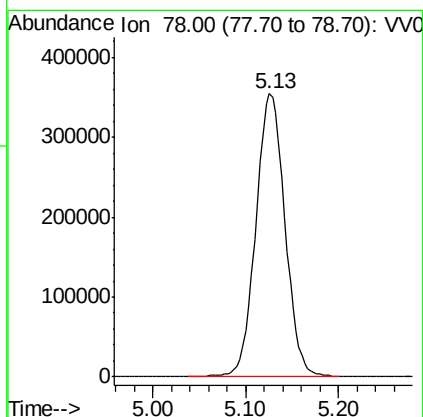
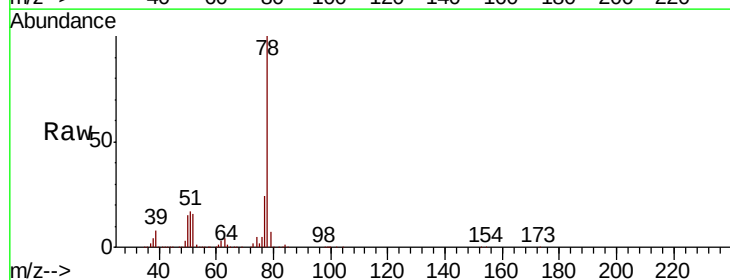
Instrument :
MSVOA_V
ClientSampleId :

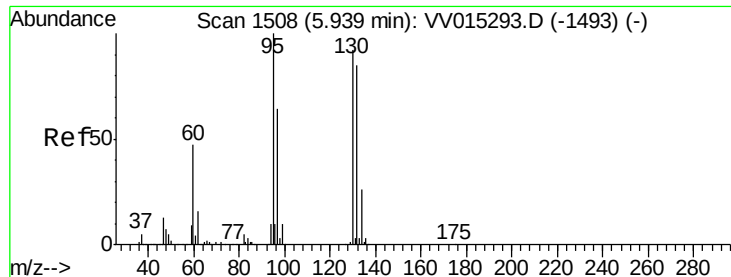
Tot Ion:117 Resp: 262307
Ion Ratio Lower Upper
117 100
119 94.2 75.8 113.8



#33
Benzene
Concen: 49.979 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 78 Resp: 774025





#34

Trichloroethene

Concen: 47.017 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 195341

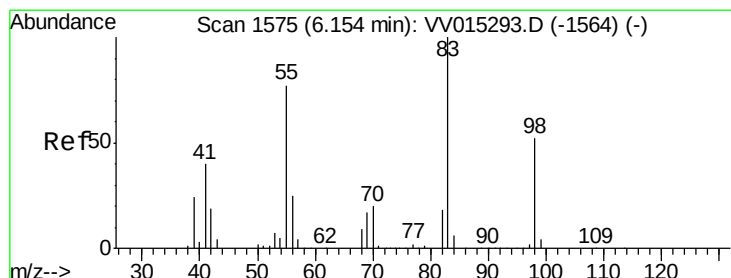
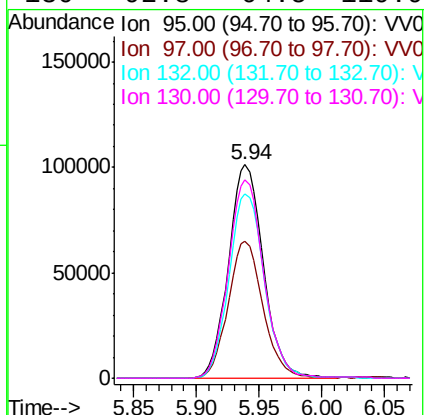
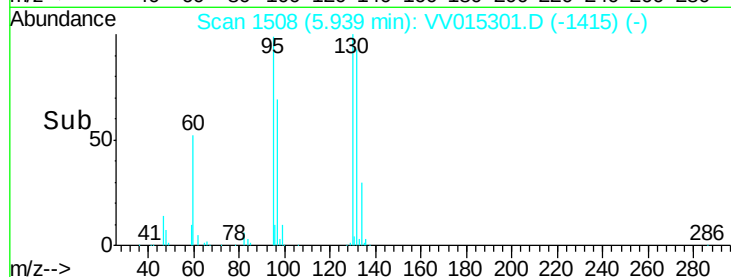
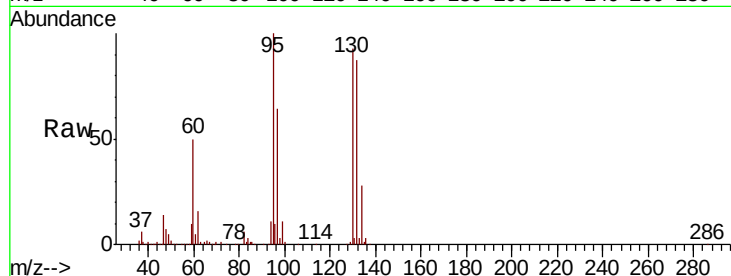
Ion Ratio Lower Upper

95 100

97 64.2 44.0 81.6

132 86.6 61.8 114.8

130 92.8 64.5 119.9



#35

Methylcyclohexane

Concen: 44.525 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

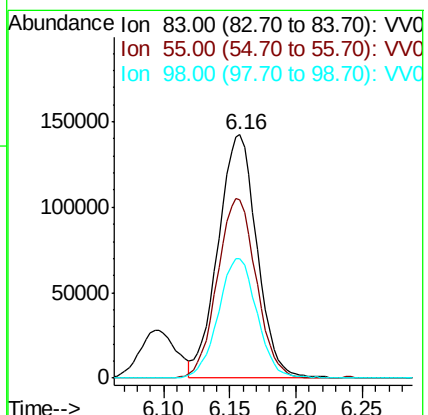
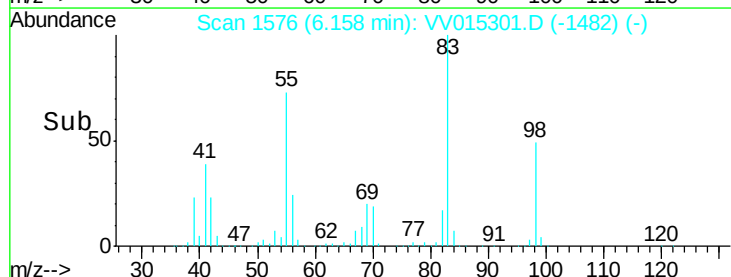
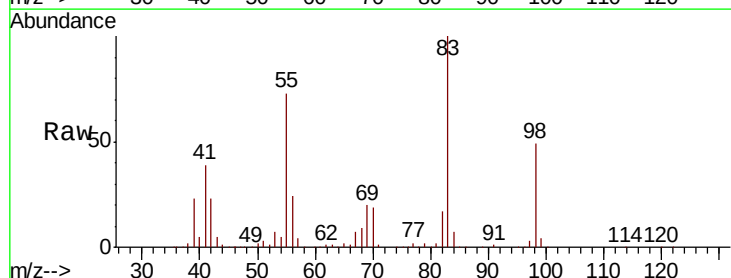
Tgt Ion: 83 Resp: 290149

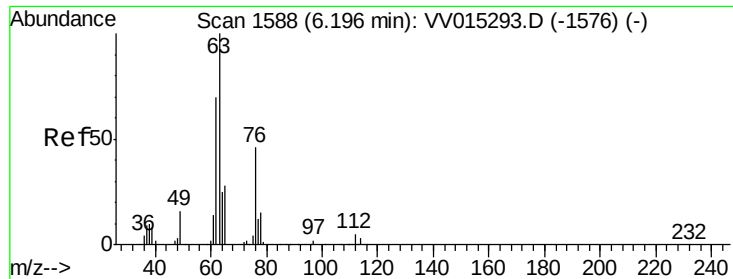
Ion Ratio Lower Upper

83 100

55 73.7 59.4 89.2

98 48.0 38.6 58.0

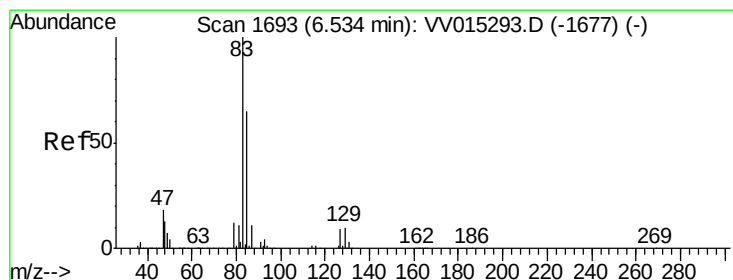
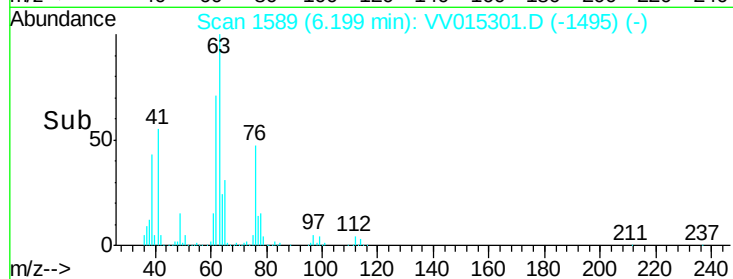
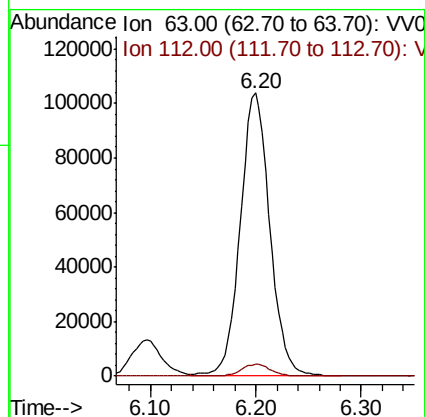
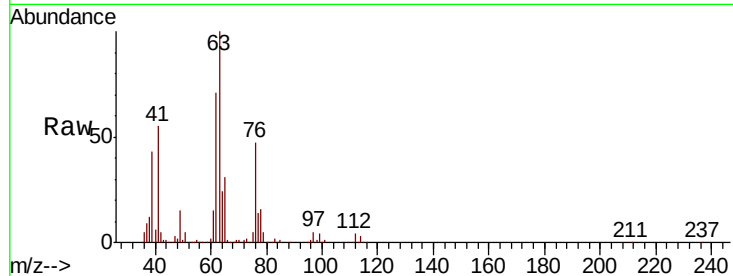




#37
 1,2-Dichloropropane
 Concen: 50.938 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

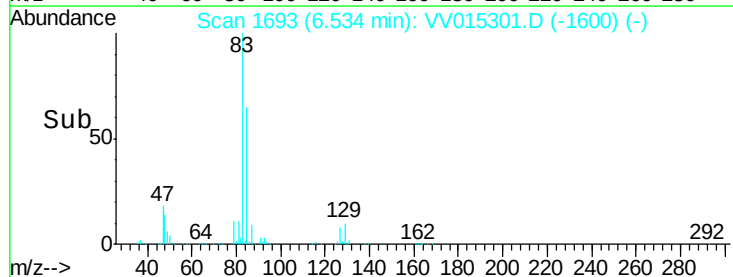
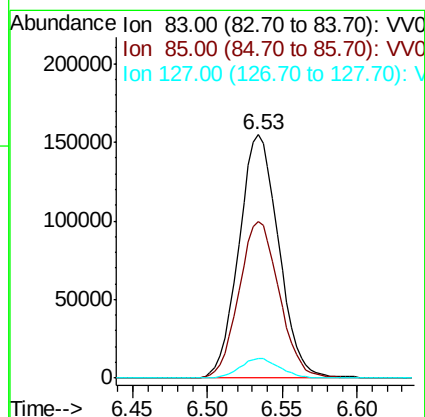
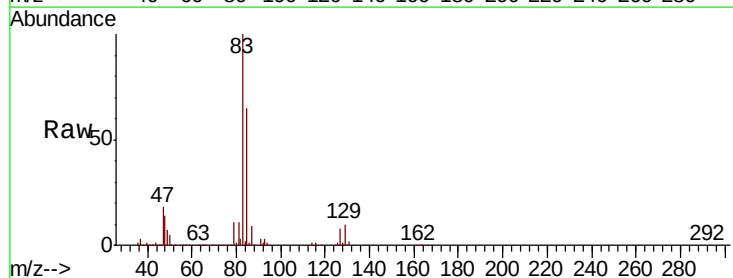
Instrument :
 MSVOA_V
 ClientSampleId :

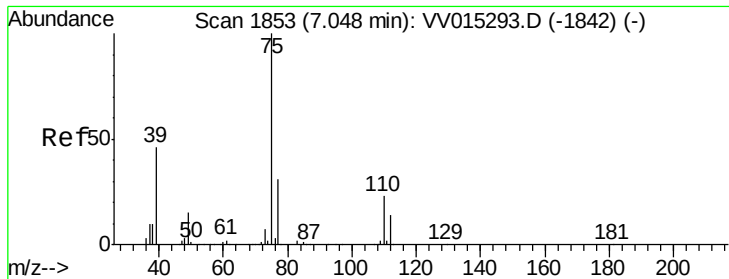
Tot Ion: 63 Resp: 200657
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 50.660 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

Tgt Ion: 83 Resp: 286980
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.9
 127 8.1 6.3 9.5



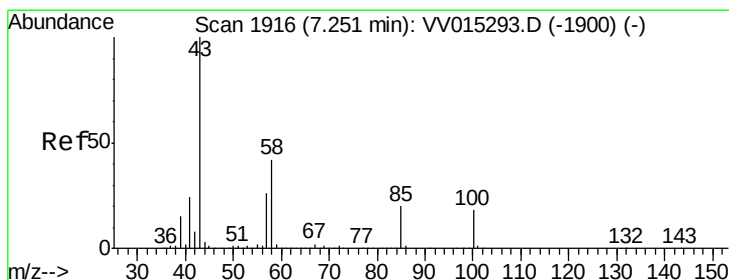
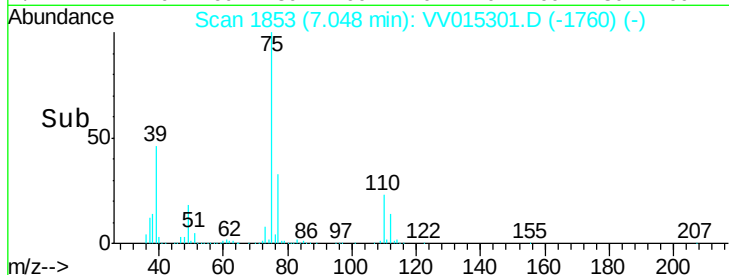
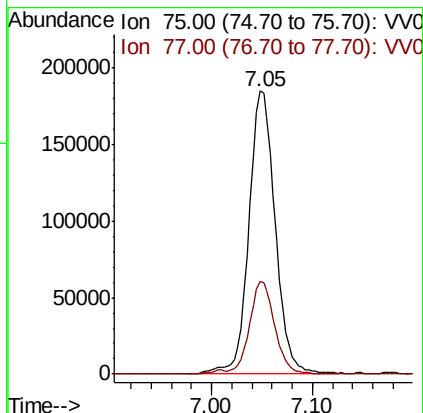
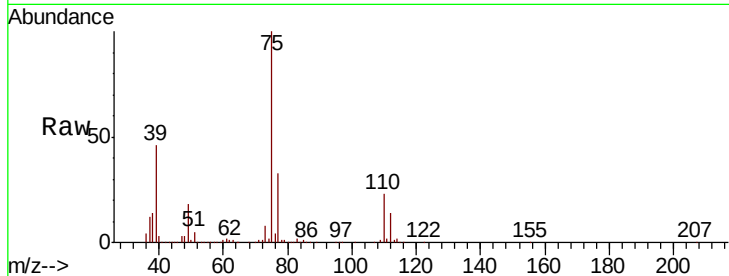


#39

cis-1,3-Dichloropropene
Concen: 50.095 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Instrument :
MSVOA_V
ClientSampleId :

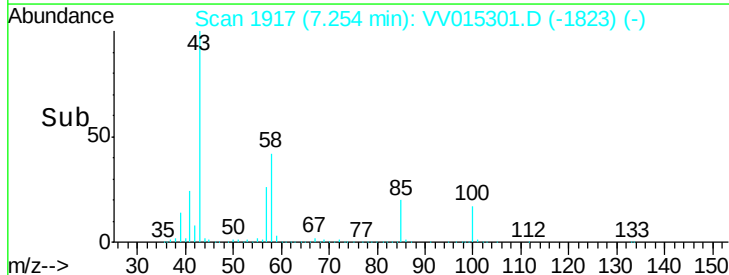
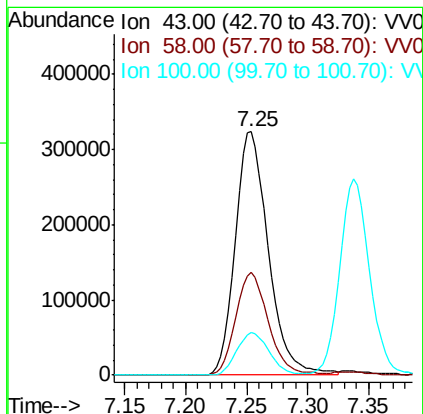
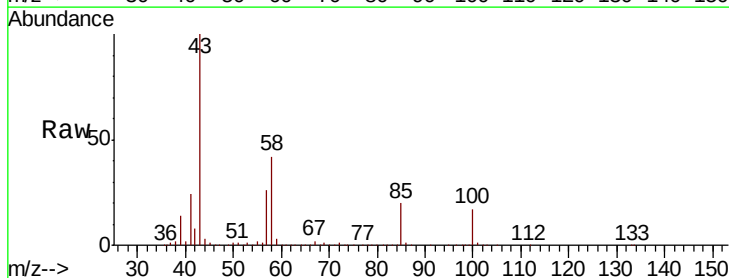
Tot Ion: 75 Resp: 333273
Ion Ratio Lower Upper
75 100
77 32.6 21.6 40.0

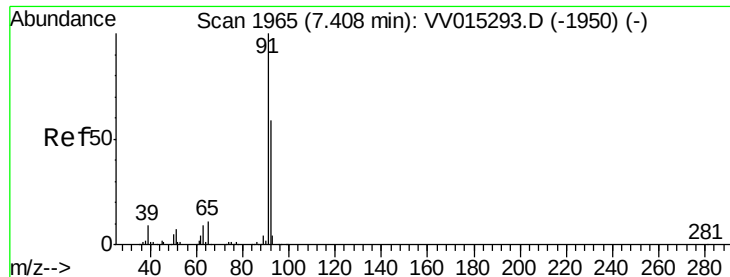


#40

4-Methyl-2-pentanone
Concen: 103.285 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 43 Resp: 604959
Ion Ratio Lower Upper
43 100
58 41.8 32.9 49.3
100 17.1 13.9 20.9





#42

Toluene

Concen: 50.042 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

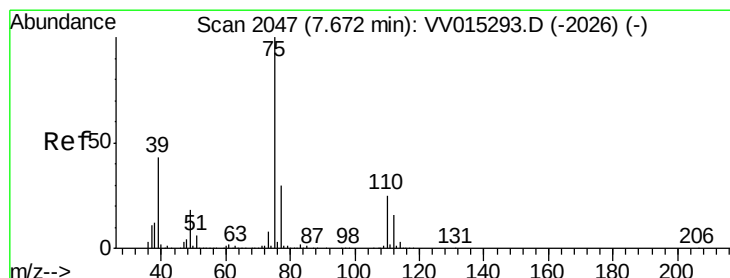
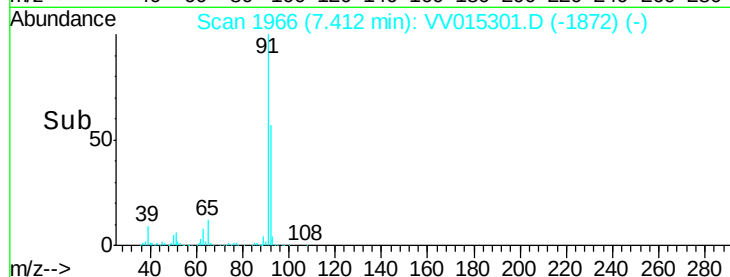
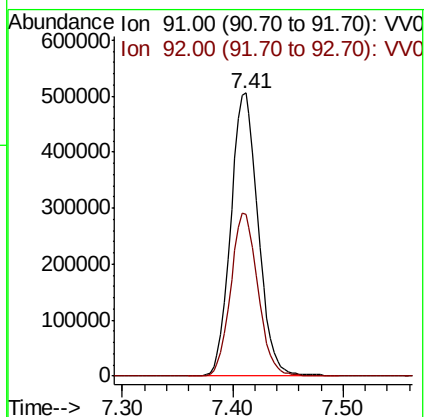
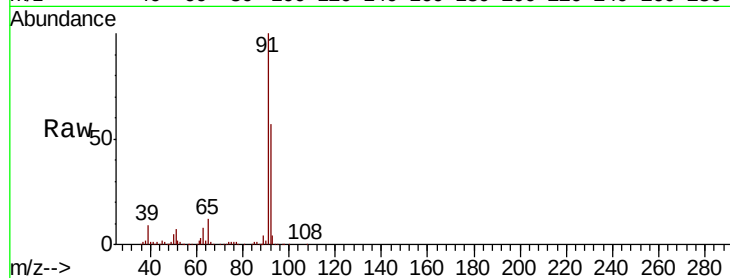
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 870016

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 48.972 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015301.D

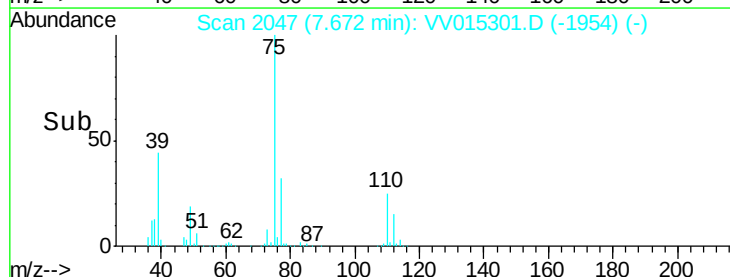
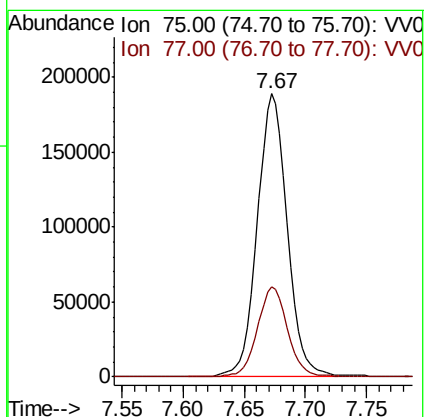
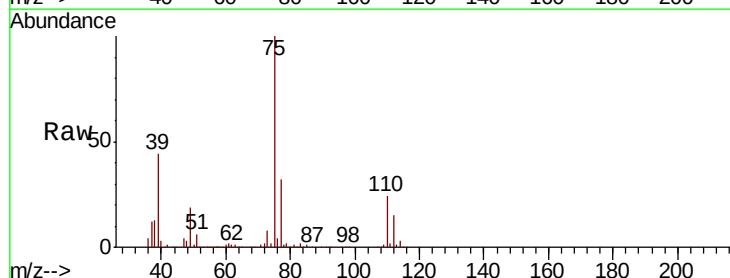
Acq: 31 Mar 2020 03:49

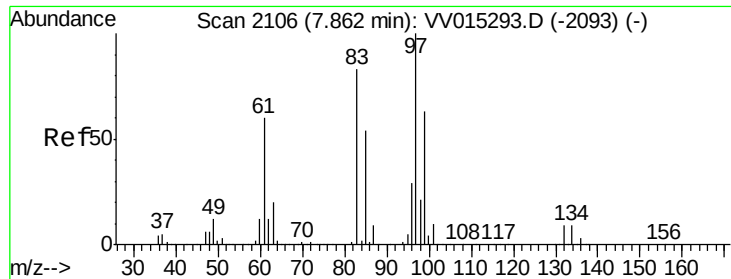
Tgt Ion: 75 Resp: 320124

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4

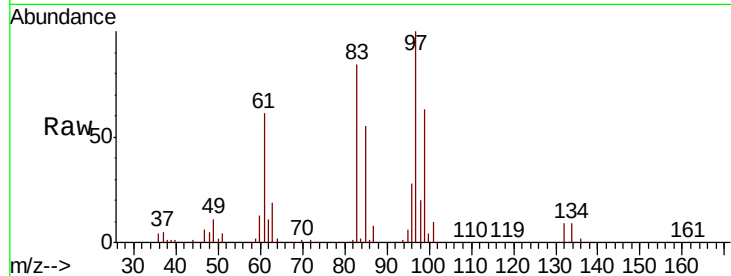




#45
 1,1,2-Trichloroethane
 Concen: 52.487 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	208296
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.6	81.0
83	84.3	60.0	111.4
85	55.4	39.3	72.9



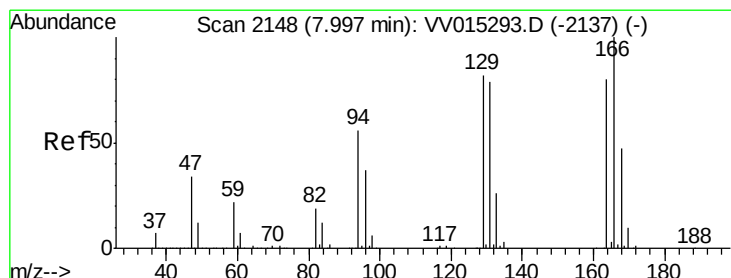
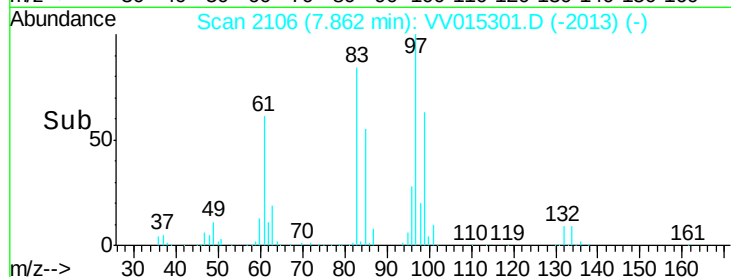
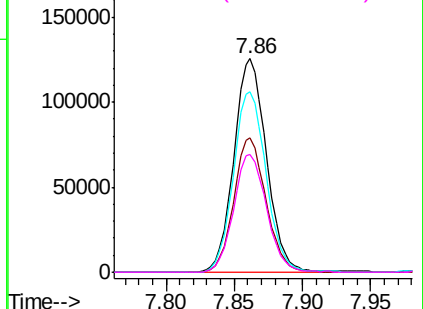
Abundance

Ion 97.00 (96.70 to 97.70): VV015301.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV015301.D (-2093) (-)

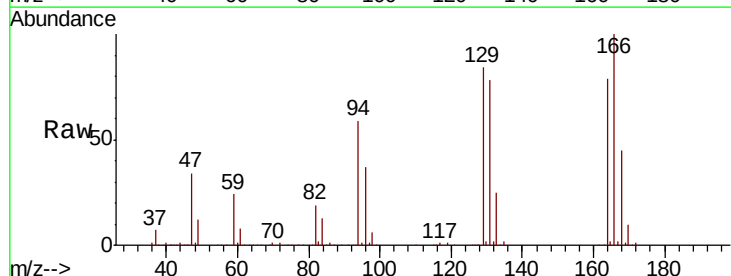
Ion 83.00 (82.70 to 83.70): VV015301.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV015301.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 46.001 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

Tgt Ion:	164	Resp:	126464
Ion	Ratio	Lower	Upper
164	100		
129	105.7	77.8	144.4
131	99.1	73.9	137.3
166	126.4	91.7	170.3



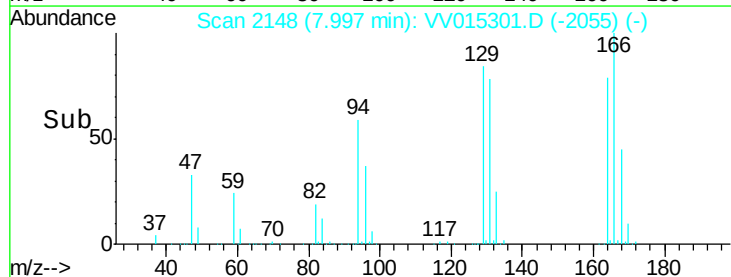
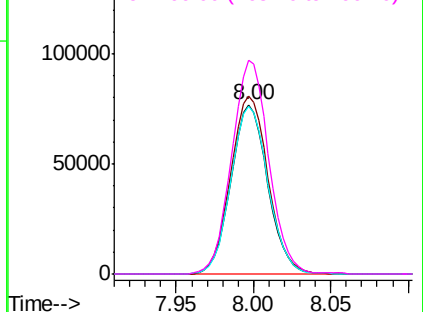
Abundance

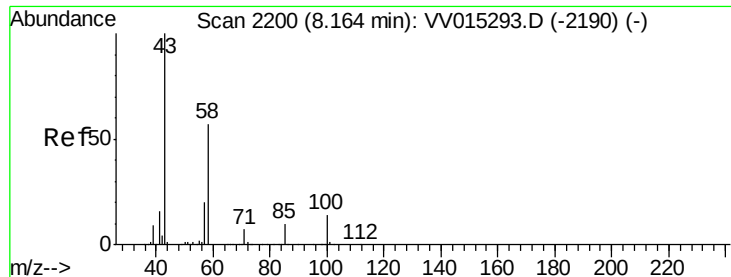
Ion 164.00 (163.70 to 164.70): VV015301.D (-2137) (-)

Ion 129.00 (128.70 to 129.70): VV015301.D (-2137) (-)

Ion 131.00 (130.70 to 131.70): VV015301.D (-2137) (-)

Ion 166.00 (165.70 to 166.70): VV015301.D (-2137) (-)

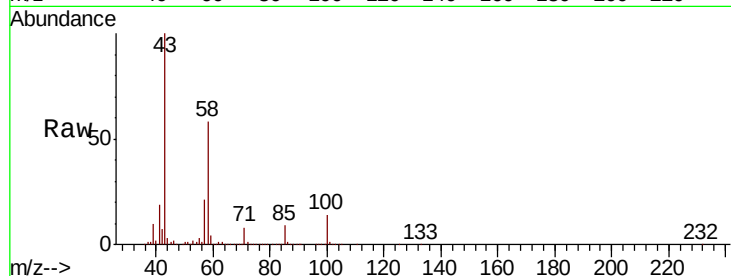




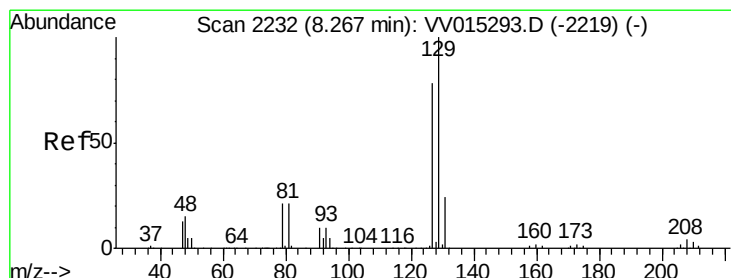
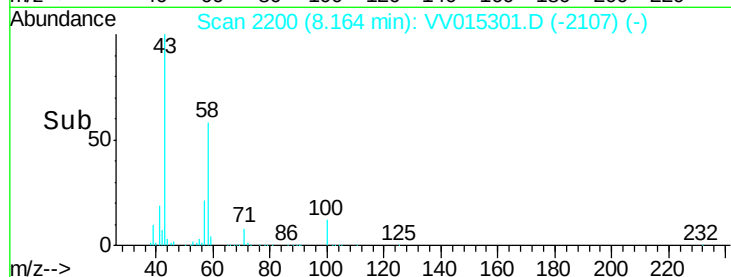
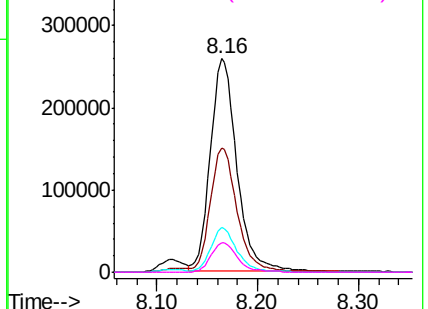
#48
2-Hexanone
Concen: 105.610 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 474538
Ion Ratio Lower Upper
43 100
58 57.4 47.0 70.6
57 20.3 16.2 24.2
100 14.0 11.0 16.6

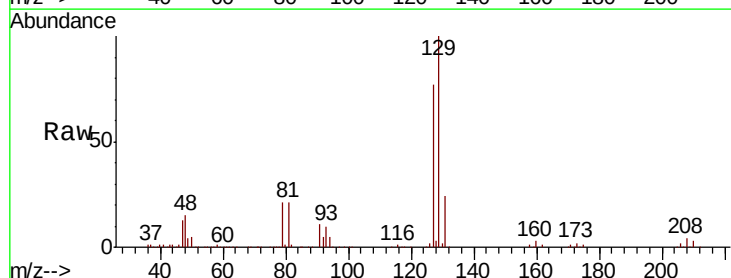


Abundance Ion 43.00 (42.70 to 43.70): VV015301.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015301.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015301.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015301.D (-2107) (-)

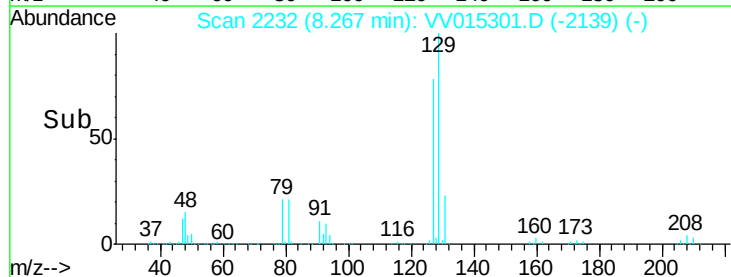
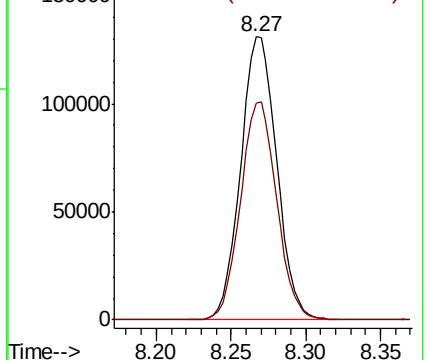


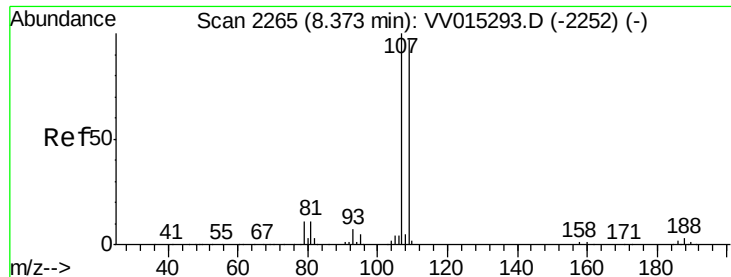
#49
Dibromochloromethane
Concen: 50.759 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 129 Resp: 220150
Ion Ratio Lower Upper
129 100
127 76.7 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): VV015301.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015301.D (-2139) (-)

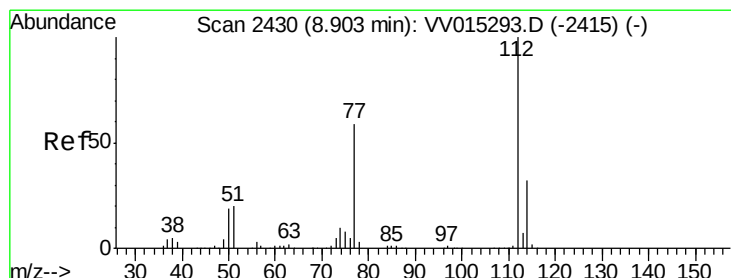
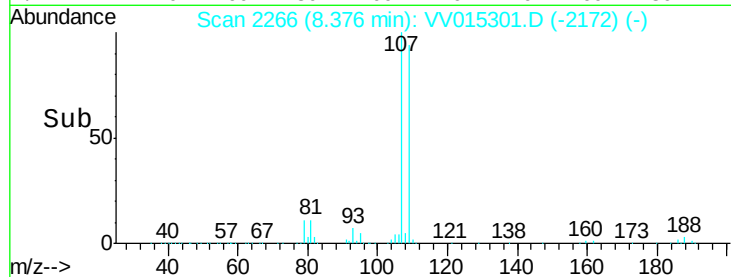
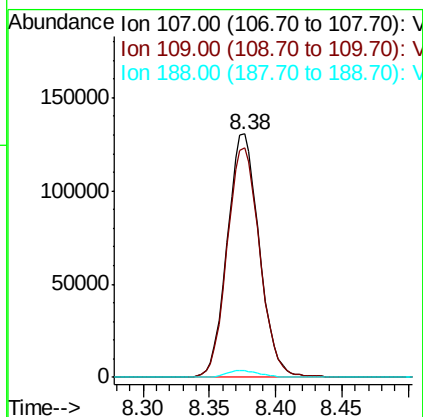
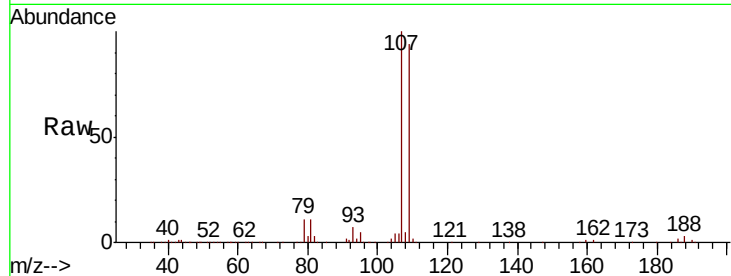




#50
1,2-Dibromoethane
Concen: 50.904 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

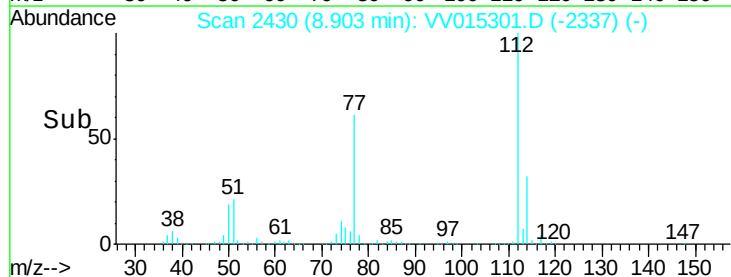
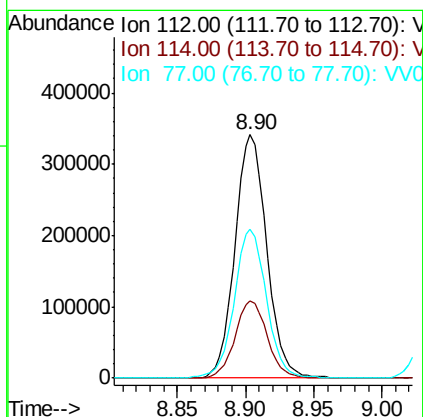
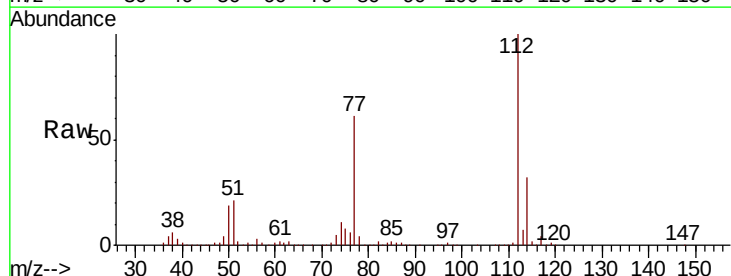
Instrument :
MSVOA_V
ClientSampleId :

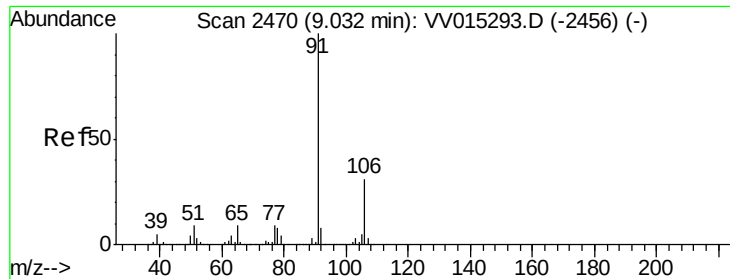
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	67.1	124.7
188	2.8	2.5	3.7



#51
Chlorobenzene
Concen: 48.830 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.7	40.3
77	61.2	47.9	71.9

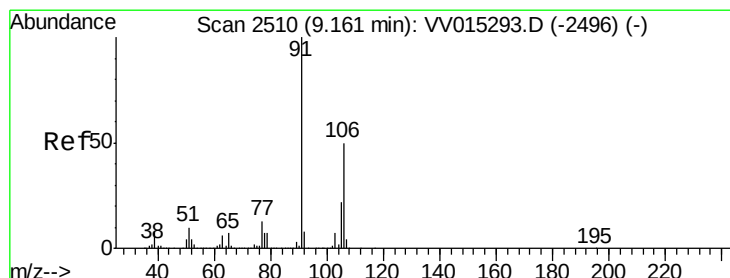
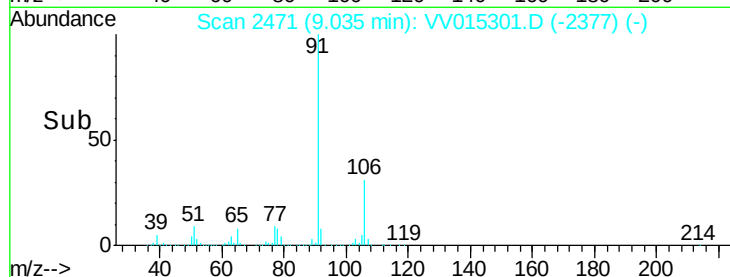
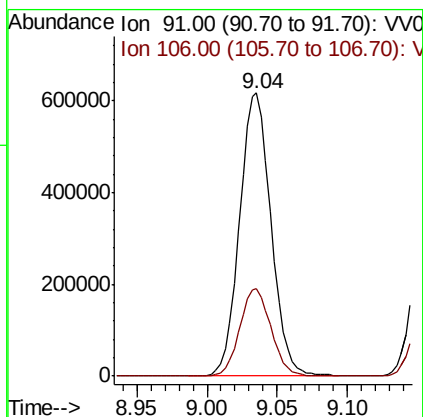
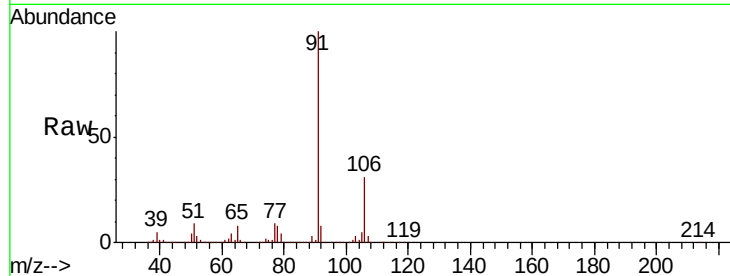




#52
Ethylbenzene
Concen: 49.204 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

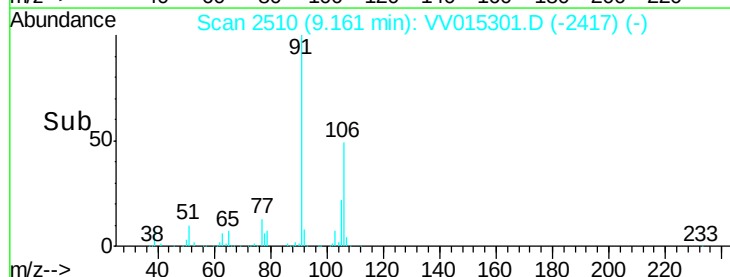
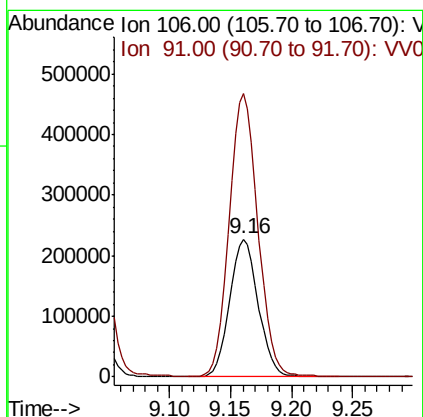
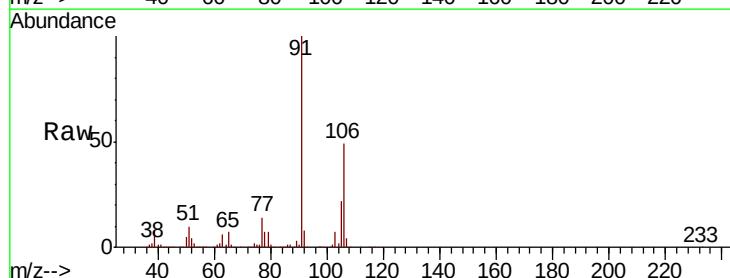
Instrument :
MSVOA_V
ClientSampleId :

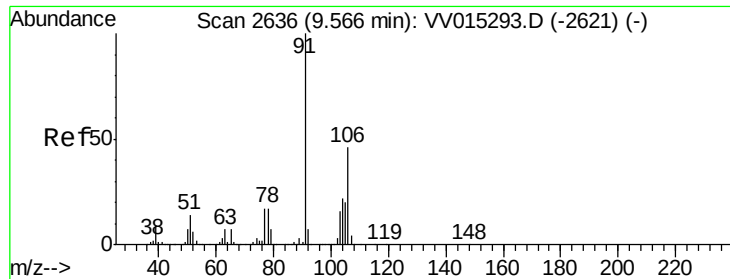
Tot Ion: 91 Resp: 964663
Ion Ratio Lower Upper
91 100
106 30.8 22.0 40.8



#53
m,p-Xylene
Concen: 49.549 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion: 106 Resp: 370522
Ion Ratio Lower Upper
106 100
91 205.9 143.1 265.9

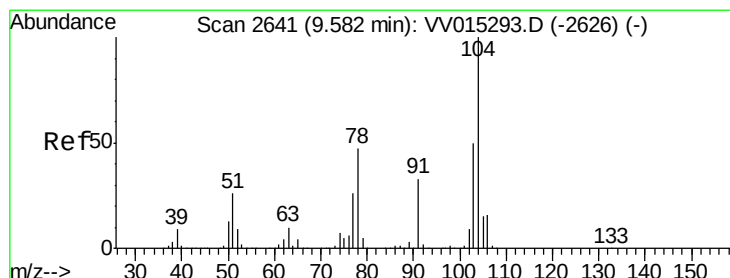
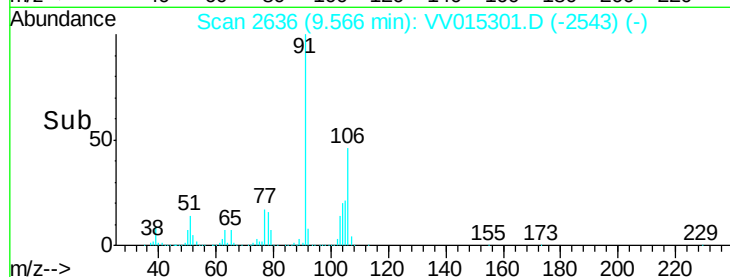
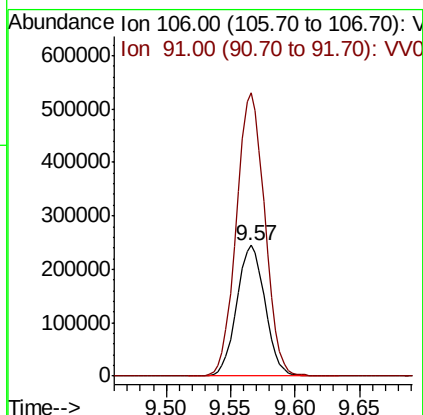
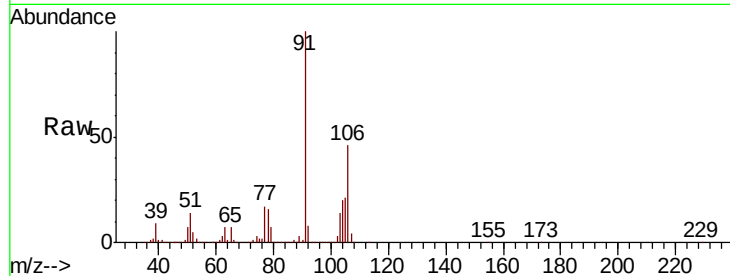




#54
o-xylene
Concen: 50.292 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

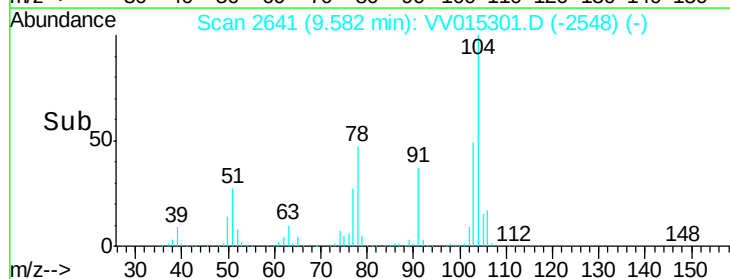
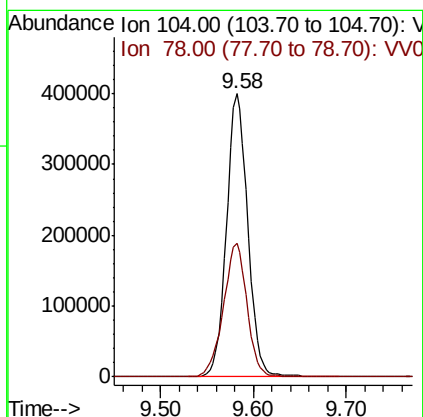
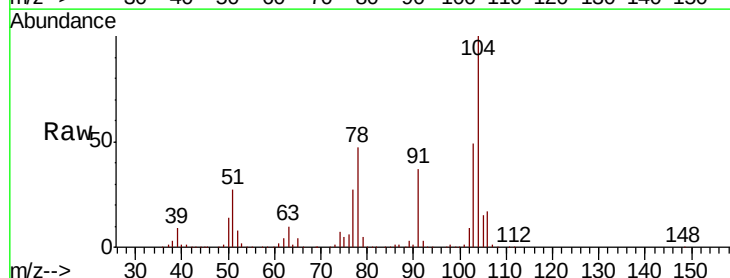
Instrument :
MSVOA_V
ClientSampleId :

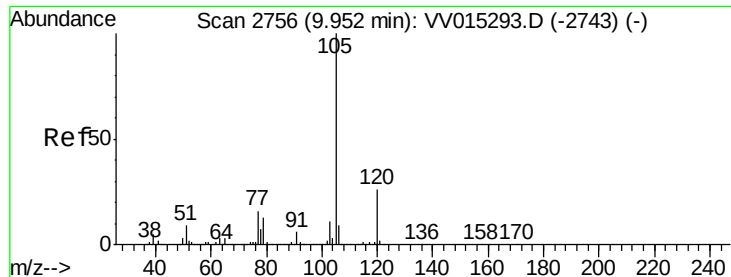
Tot Ion:106 Resp: 374126
Ion Ratio Lower Upper
106 100
91 216.5 153.4 285.0



#55
Styrene
Concen: 50.098 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015301.D
Acq: 31 Mar 2020 03:49

Tgt Ion:104 Resp: 635958
Ion Ratio Lower Upper
104 100
78 47.2 32.7 60.7





#56

Isopropylbenzene

Concen: 49.007 ug/L

RT: 9.95 min Scan# 2757

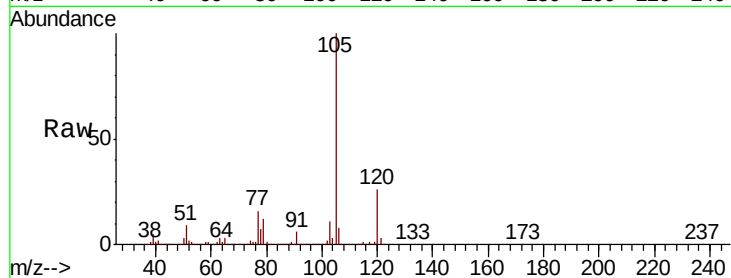
Delta R.T. 0.00 min

Lab File: VV015301.D

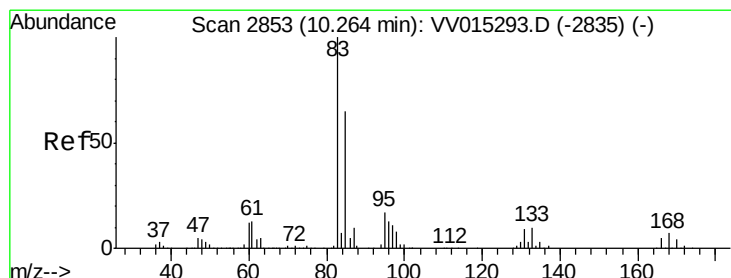
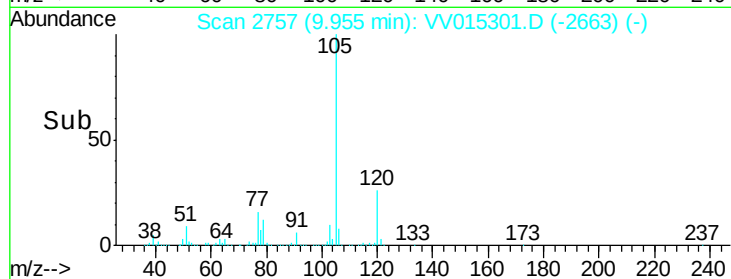
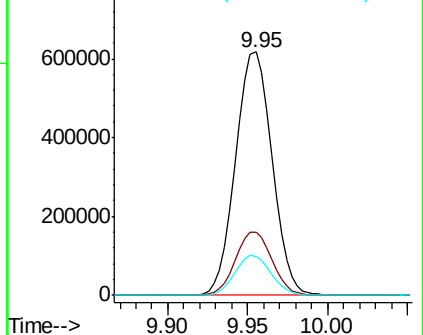
Acq: 31 Mar 2020 03:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	959670
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	16.3	12.8	19.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 52.104 ug/L

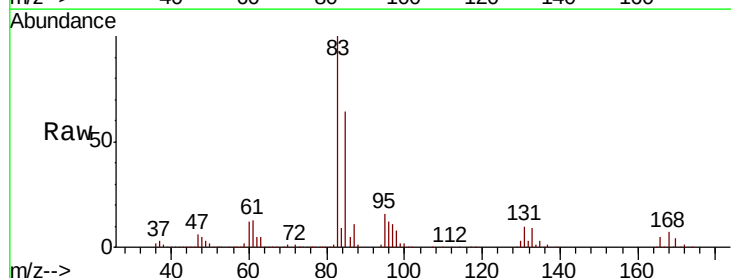
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

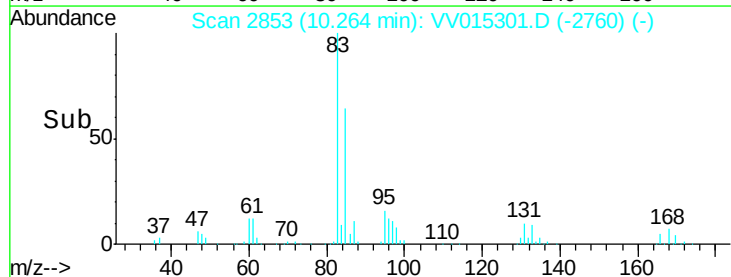
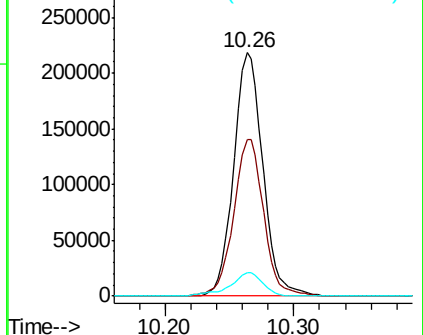
Lab File: VV015301.D

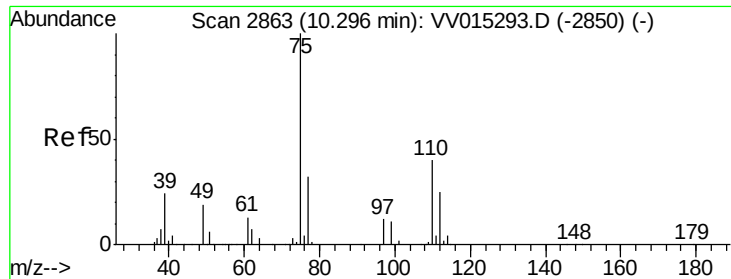
Acq: 31 Mar 2020 03:49

Tgt Ion:	83	Resp:	343160
Ion	Ratio	Lower	Upper
83	100		
85	64.1	46.3	85.9
131	9.6	7.6	11.4



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: 51.989 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

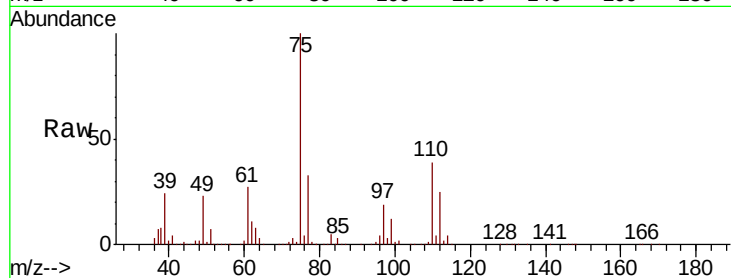
ClientSampleId :

Tot Ion: 75 Resp: 283355

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VV015293.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015293.D (-2850) (-)

10.30

200000

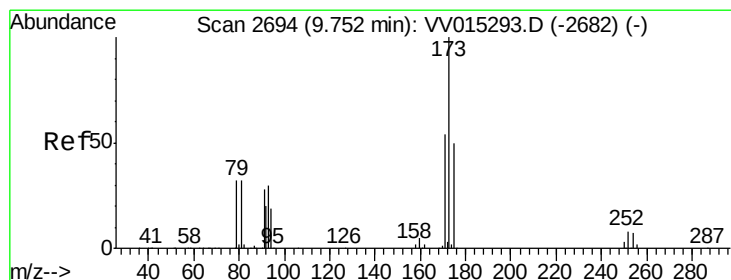
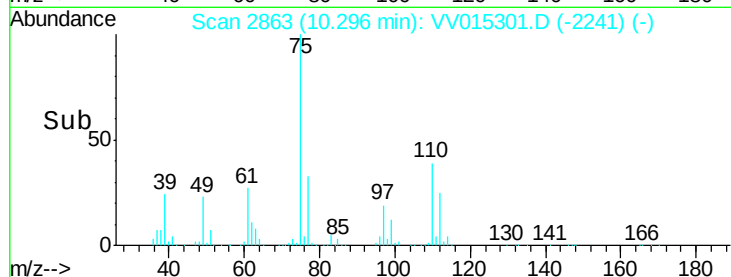
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 51.814 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

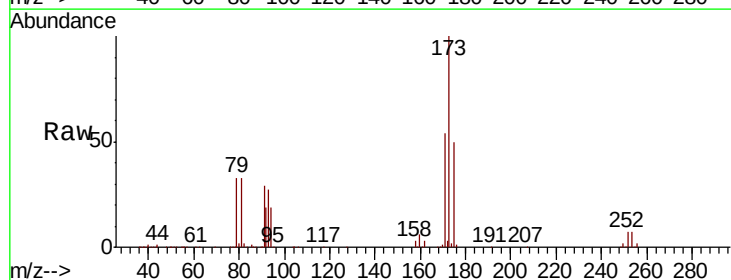
Tgt Ion: 173 Resp: 140018

Ion Ratio Lower Upper

173 100

175 49.7 39.4 59.0

254 6.8 5.6 8.4



Abundance Ion 173.00 (172.70 to 173.70): VV015293.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015293.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015293.D (-2682) (-)

9.76

120000

100000

80000

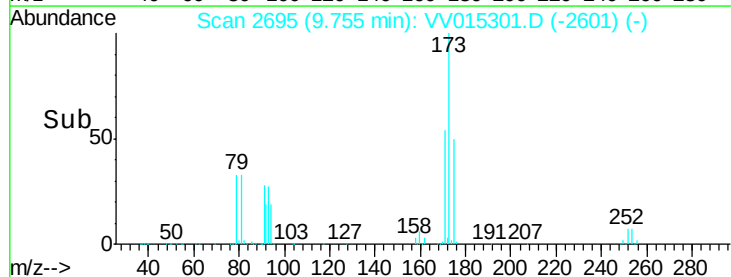
60000

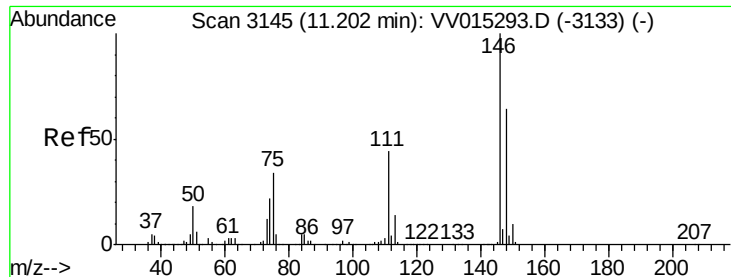
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.561 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

ClientSampleId :

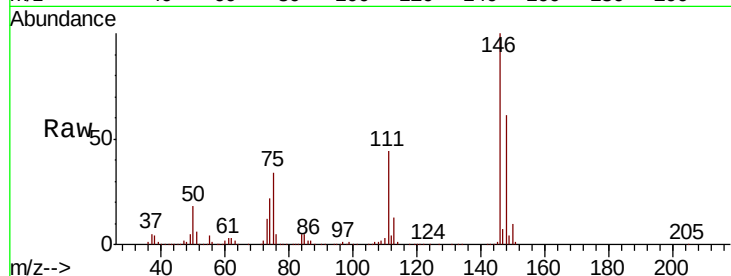
Tot Ion:146 Resp: 409571

Ion Ratio Lower Upper

146 100

111 43.6 30.4 56.4

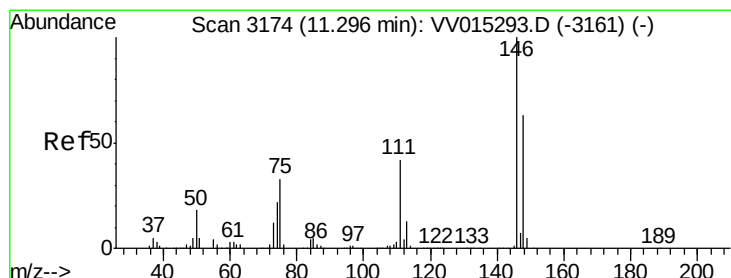
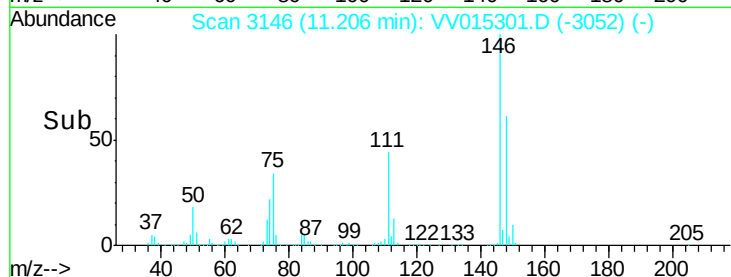
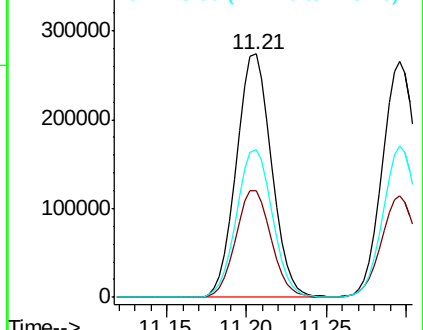
148 60.8 43.9 81.5



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: 48.546 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

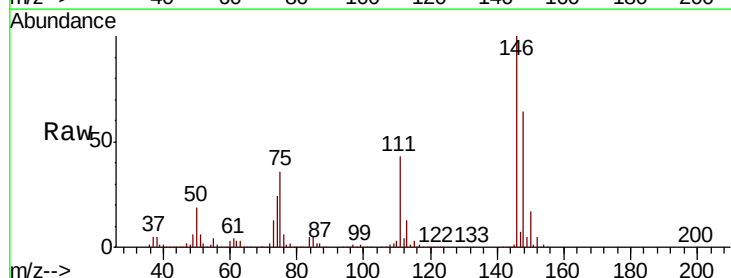
Tgt Ion:146 Resp: 409486

Ion Ratio Lower Upper

146 100

111 42.8 30.5 56.7

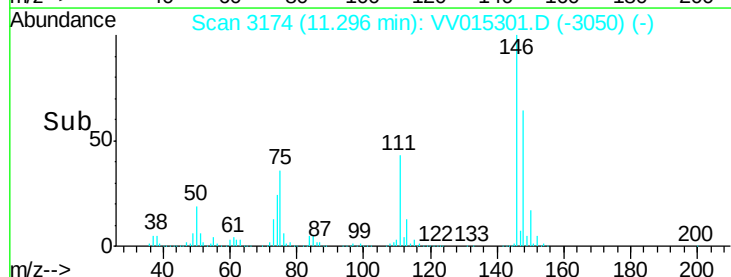
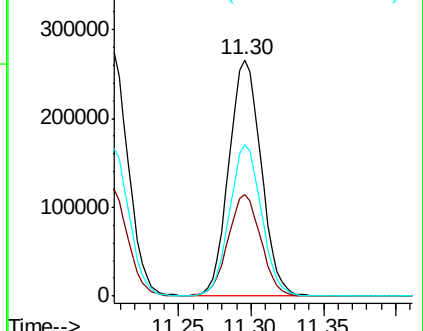
148 64.0 45.0 83.6

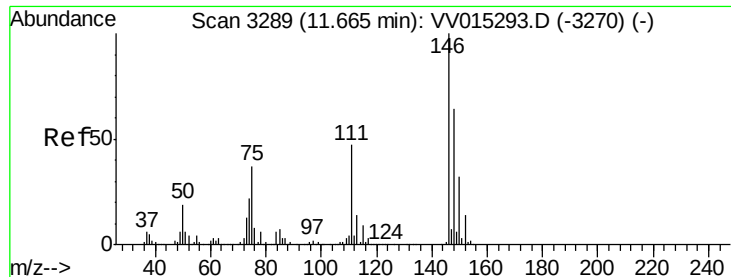


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.233 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Instrument :

MSVOA_V

ClientSampleId :

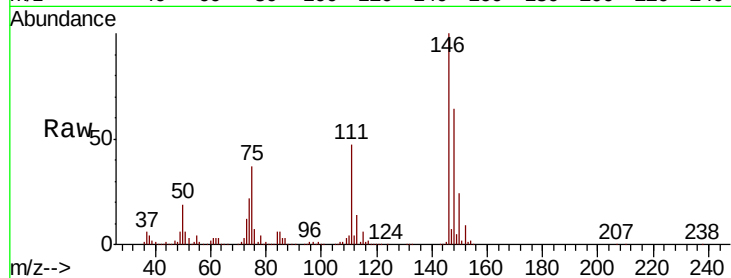
Tot Ion:146 Resp: 418906

Ion Ratio Lower Upper

146 100

111 46.5 35.8 53.6

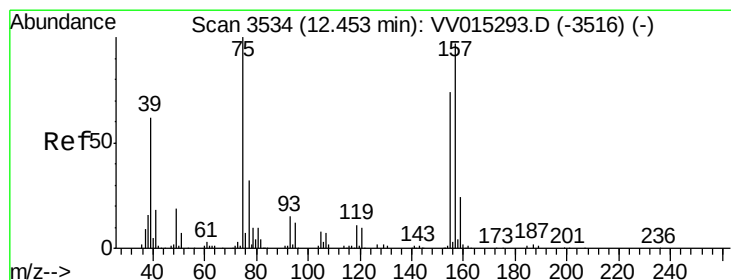
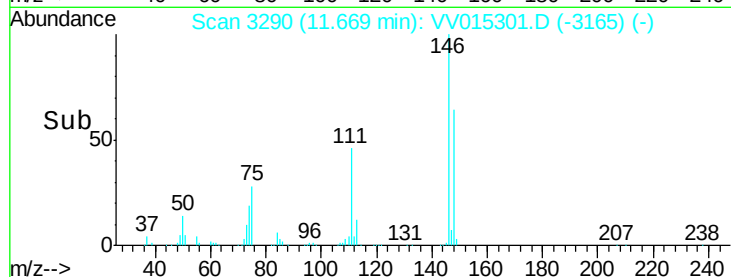
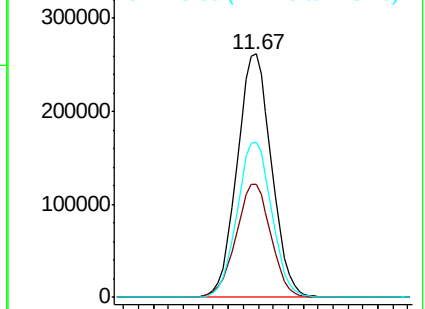
148 64.0 49.1 73.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.312 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

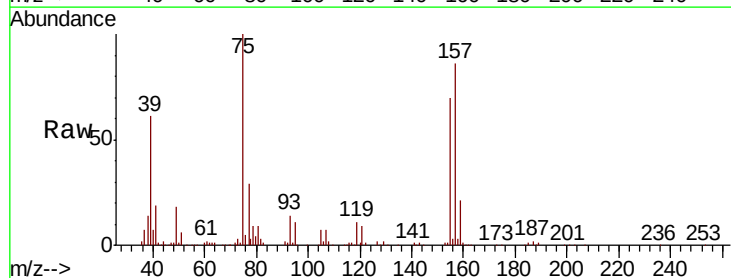
Tgt Ion: 75 Resp: 95983

Ion Ratio Lower Upper

75 100

155 70.0 58.2 87.4

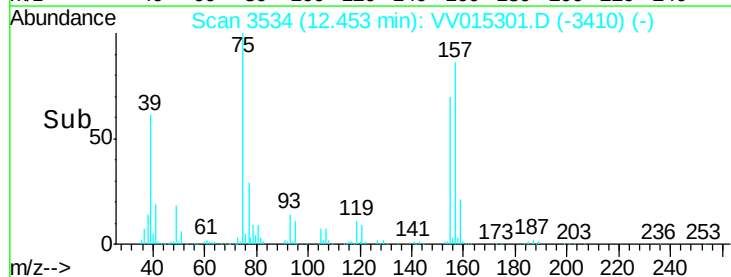
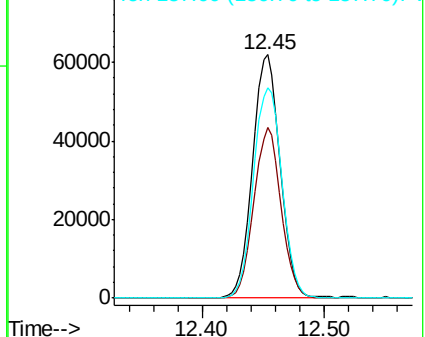
157 86.5 73.0 109.6

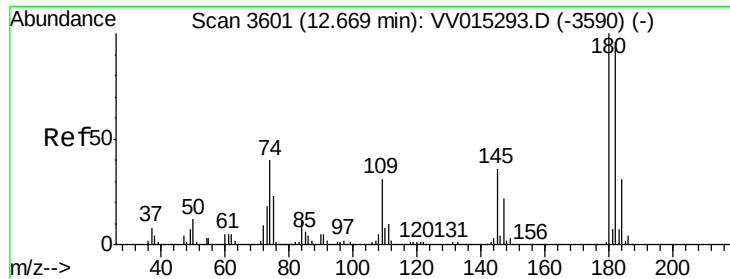


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

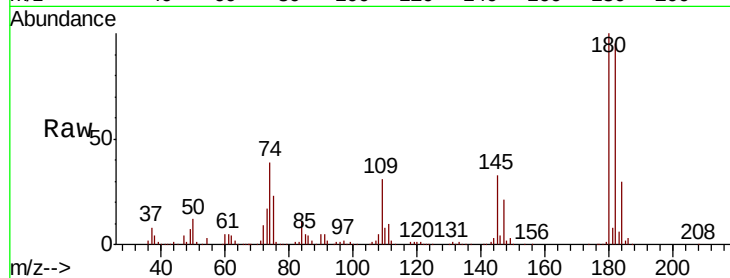




#67
 1,3,5-Trichlorobenzene
 Concen: 48.674 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.8	115.2
184	30.2	23.6	35.4
145	33.2	27.0	40.6



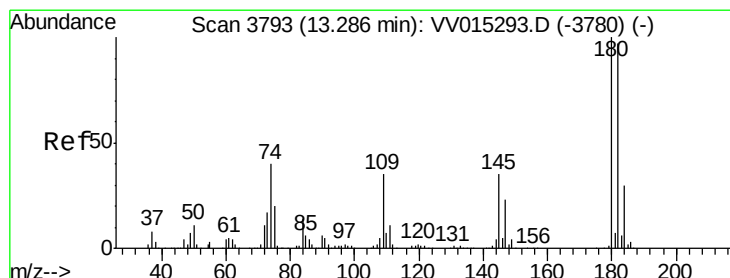
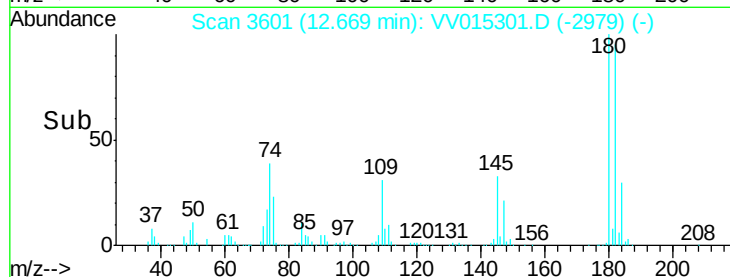
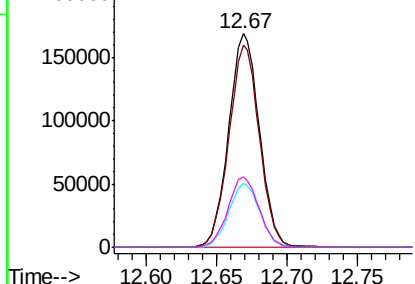
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

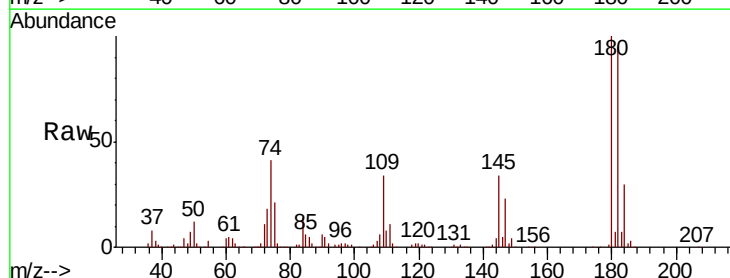
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.916 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015301.D
 Acq: 31 Mar 2020 03:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.2	112.8
145	35.4	27.3	40.9

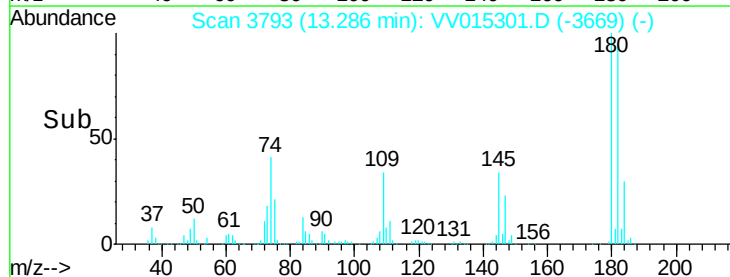
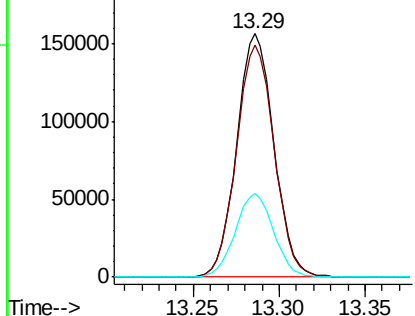


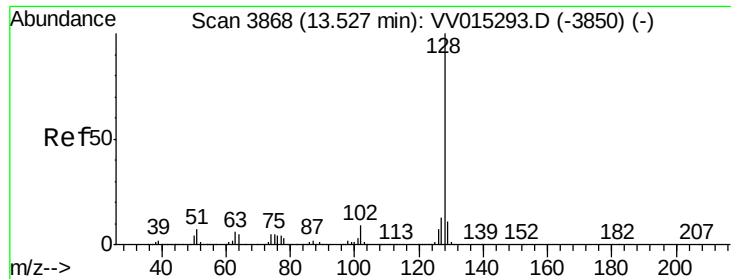
Abundance

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: 50.971 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

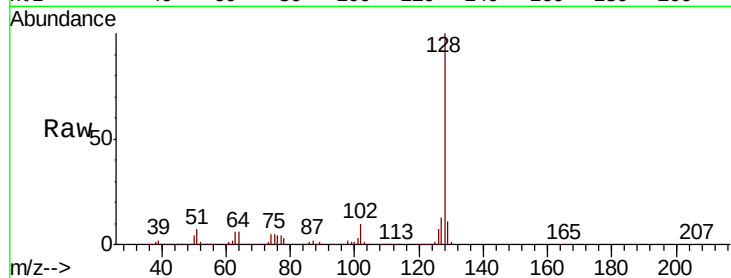
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1018260

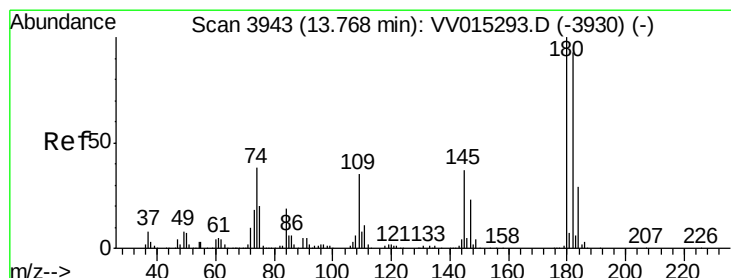
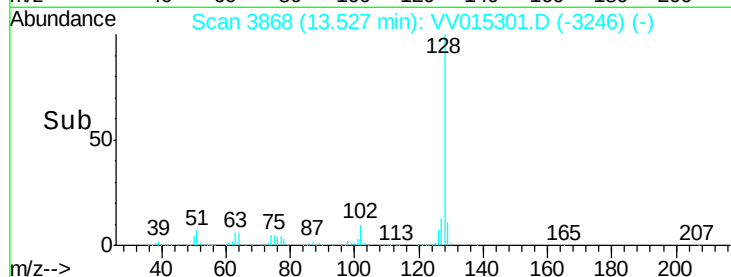
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.6	8.6	13.0



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: 49.326 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015301.D

Acq: 31 Mar 2020 03:49

Tgt Ion:180 Resp: 248093

Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.7	112.1
145	38.8	29.6	44.4

Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

