

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016338.D
 Acq On : 30 May 2020 02:44
 Operator : SY/MD
 Sample : L2826-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 03:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 03:05:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	79979	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	72521	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	26906	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	24825	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.58	69	18854	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.12	63	35186	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	3.98	46	52258	41.01	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.02%
24) Chloroform-d	4.38	84	47369	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.06	65	26313	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.07	84	92773	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.10	67	28542	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	82335	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
45) trans-1,3-Dichloropropene-	7.64	79	9030	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	8.12	63	47705	50.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	17839	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	21917	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1317	0.171 ug/L #	66
5) Vinyl chloride	1.32	62	2628	0.375 ug/L #	1
12) 1,1-Dichloroethene	2.13	96	1659	0.352 ug/L #	1
14) Carbon disulfide	2.30	76	726	0.050 ug/L #	45
18) trans-1,2-Dichloroethene	2.78	96	2488	0.482 ug/L	91
19) 1,1-Dichloroethane	3.21	63	1045	0.107 ug/L #	81
22) cis-1,2-Dichloroethene	3.94	96	132088	21.634 ug/L	97
33) Benzene	5.13	78	2192	0.105 ug/L	100
34) Trichloroethene	5.94	95	814974	149.903 ug/L	98
35) Methylcyclohexane	6.10	83	6696	0.730 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	3806	0.744 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	737	0.102 ug/L #	65
46) trans-1,3-Dichloropropene	7.64	75	520	0.086 ug/L #	47
49) Tetrachloroethene	8.00	164	25175	6.450 ug/L	97
50) 2-Hexanone	8.12	43	6140	2.765 ug/L #	69
51) Dibromochloromethane	7.99	129	24581	6.894 ug/L #	10
53) Chlorobenzene	8.90	112	10690	0.760 ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration

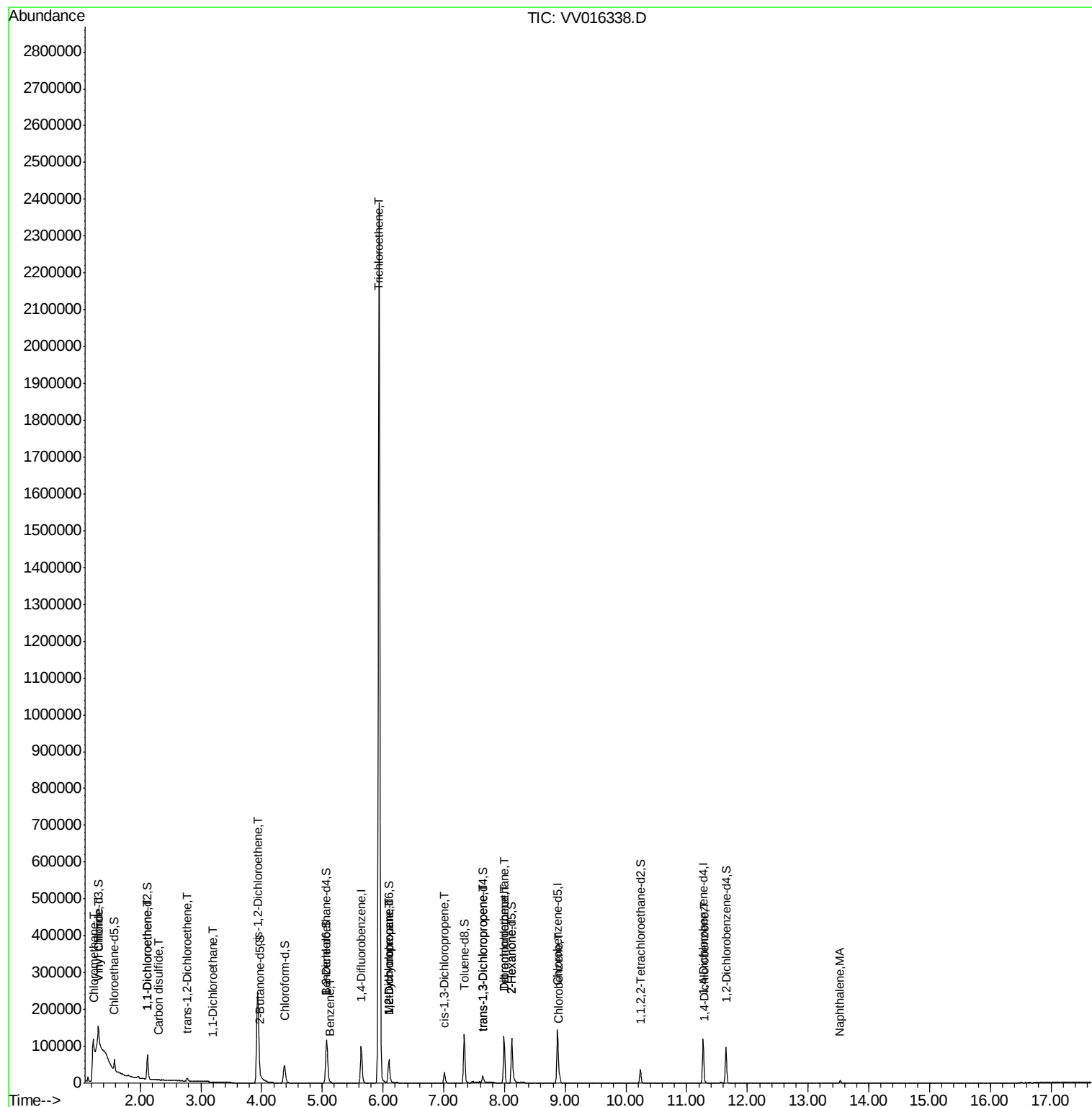
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	11.30	146	1461	0.175	ug/L	95
70) Naphthalene	13.53	128	5250	0.471	ug/L	96

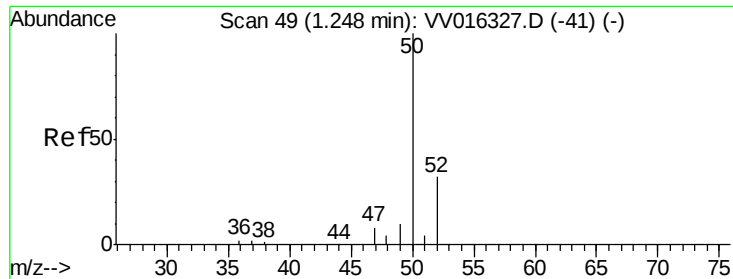
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.171 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

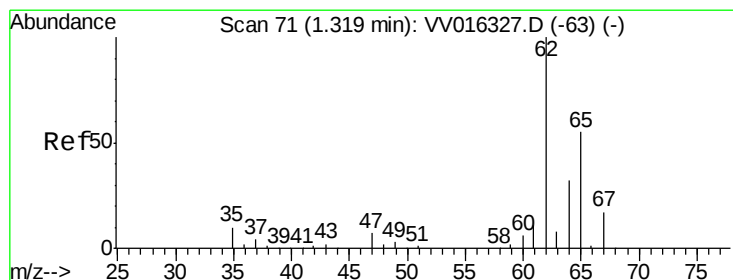
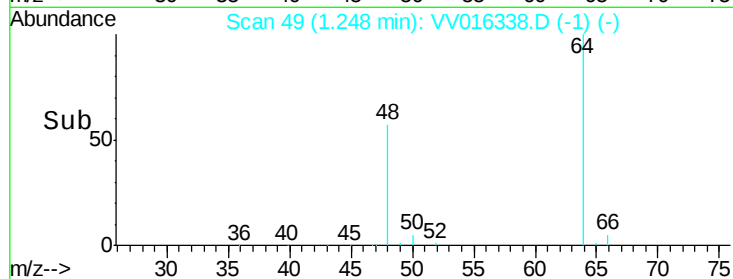
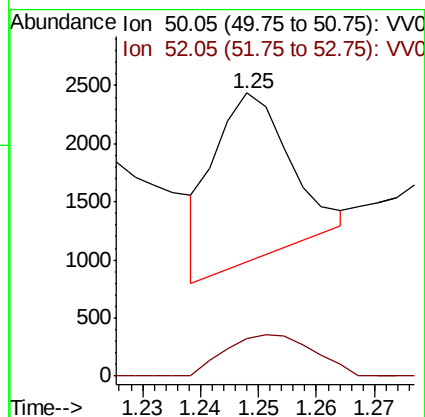
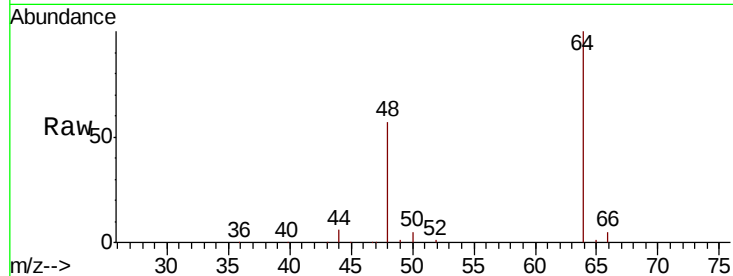
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 1317

Ion Ratio Lower Upper

50 100

52 13.2 22.5 41.9#



#5

Vinyl chloride

Concen: 0.375 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016338.D

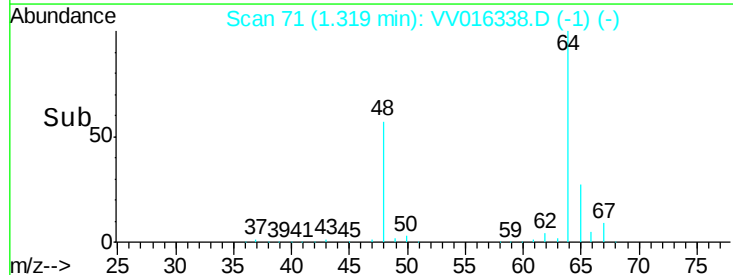
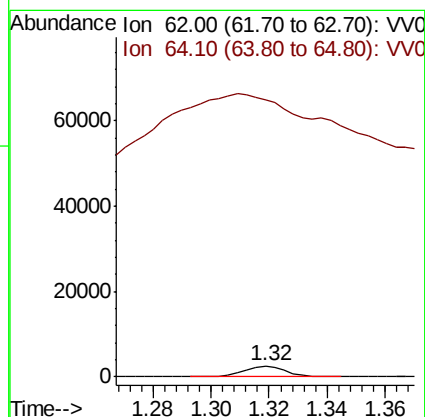
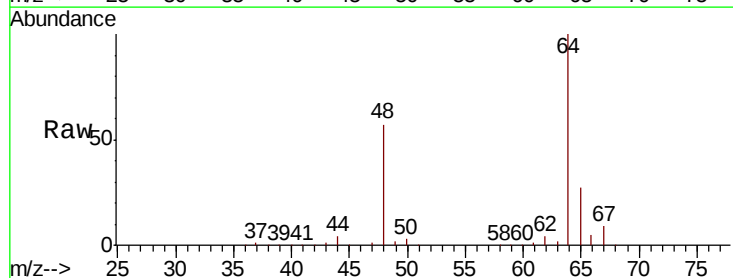
Acq: 30 May 2020 02:44

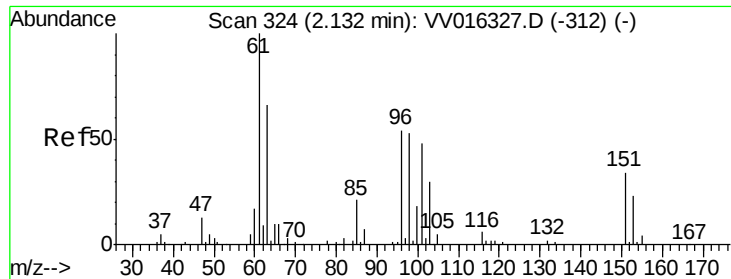
Tgt Ion: 62 Resp: 2628

Ion Ratio Lower Upper

62 100

64 2542.4 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.352 ug/L

RT: 2.13 min Scan# 323

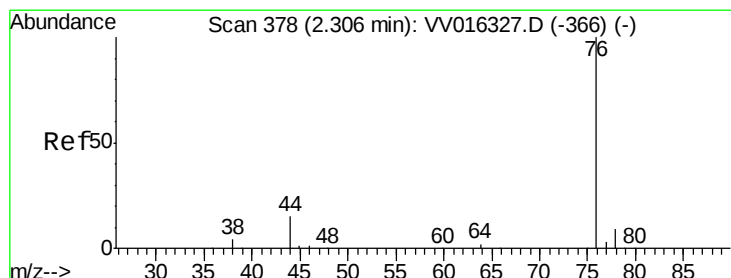
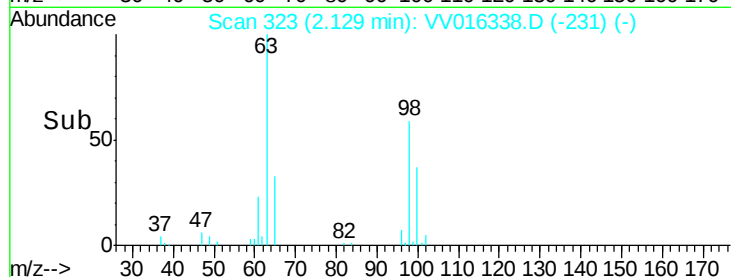
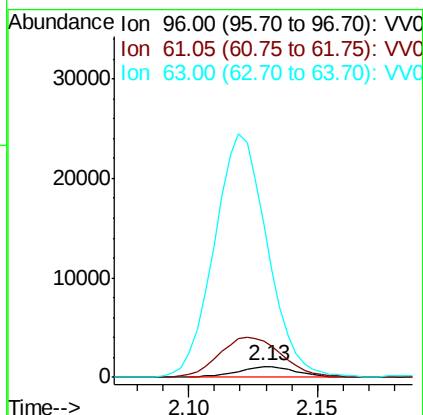
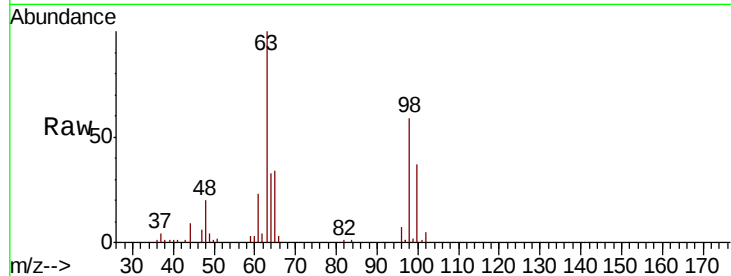
Delta R.T. -0.00 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 1659
Ion Ratio Lower Upper
96 100
61 327.7 124.9 231.9#
63 1397.5 80.4 149.2#



#14

Carbon disulfide

Concen: 0.050 ug/L

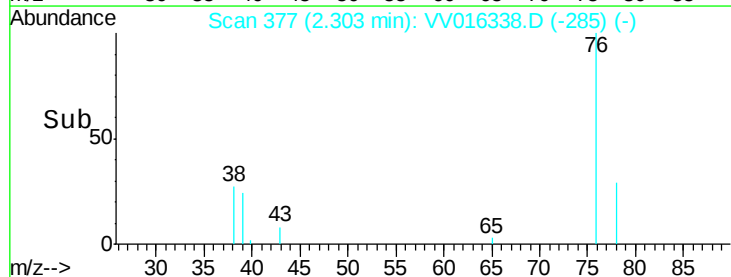
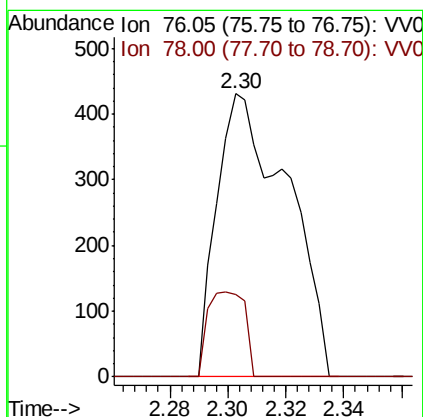
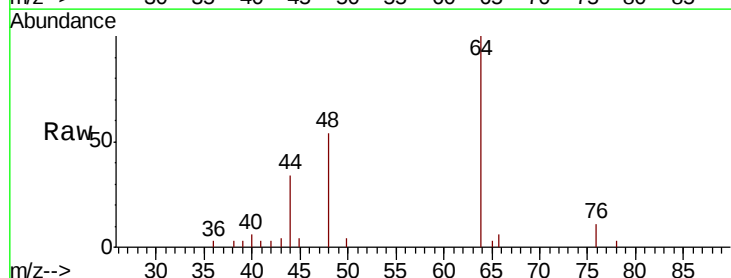
RT: 2.30 min Scan# 377

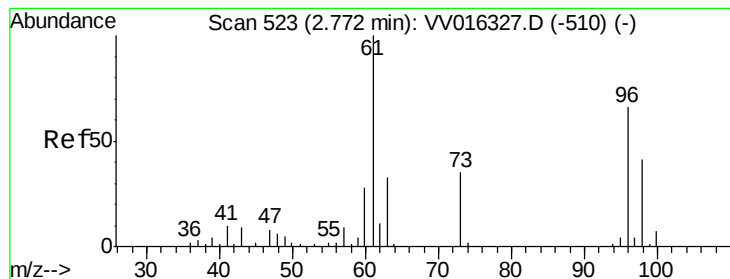
Delta R.T. -0.00 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

Tgt Ion: 76 Resp: 726
Ion Ratio Lower Upper
76 100
78 29.0 7.4 11.0#





#18

trans-1,2-Dichloroethene

Concen: 0.482 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

Instrument :
MSVOA_V
ClientSampleId :

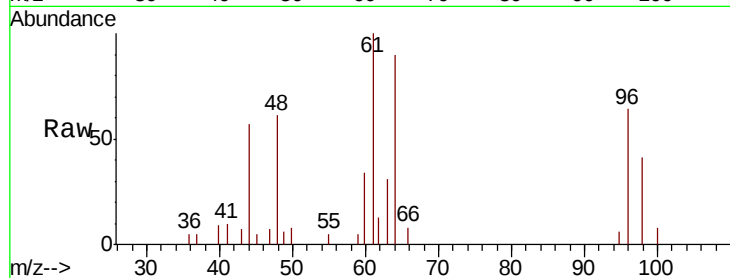
Tot Ion: 96 Resp: 2488

Ion Ratio Lower Upper

96 100

61 156.8 99.8 185.4

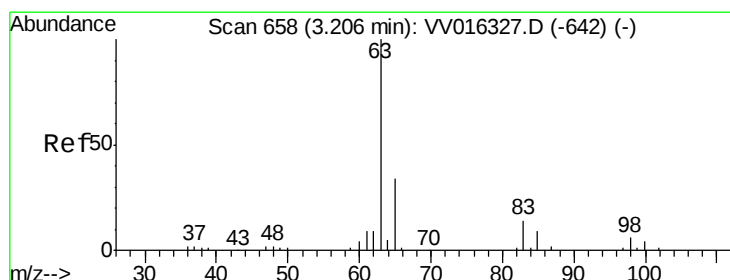
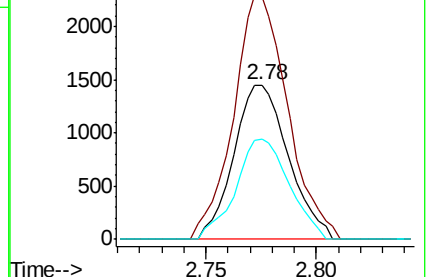
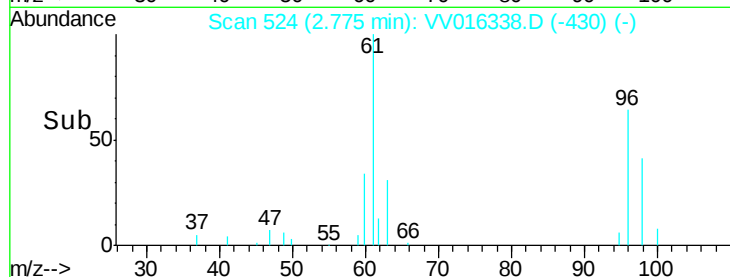
98 64.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV016338.D (-430) (-)

Ion 61.05 (60.75 to 61.75): VV016338.D (-430) (-)

Ion 97.95 (97.65 to 98.65): VV016338.D (-430) (-)



#19

1,1-Dichloroethane

Concen: 0.107 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

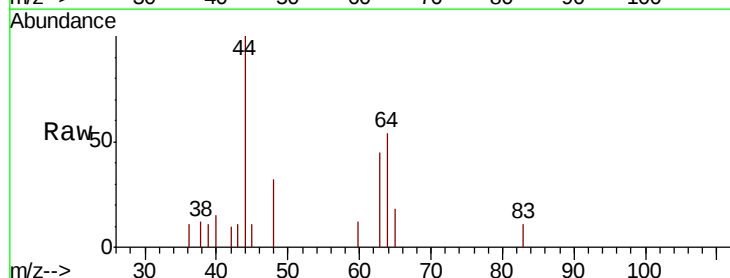
Tgt Ion: 63 Resp: 1045

Ion Ratio Lower Upper

63 100

65 40.3 22.3 41.5

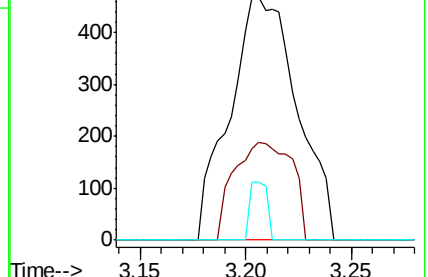
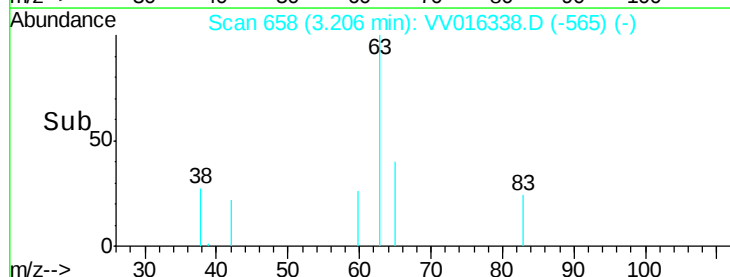
83 24.1 9.4 17.4#

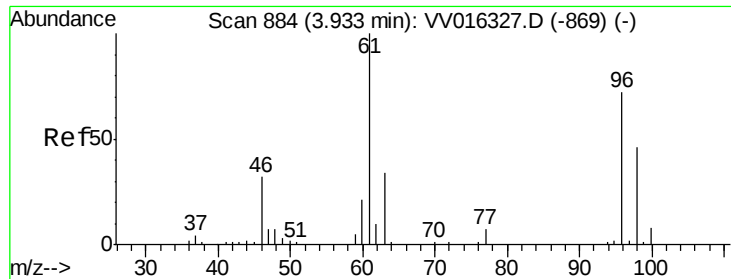


Abundance Ion 63.10 (62.80 to 63.80): VV016338.D (-565) (-)

Ion 65.10 (64.80 to 65.80): VV016338.D (-565) (-)

Ion 83.05 (82.75 to 83.75): VV016338.D (-565) (-)



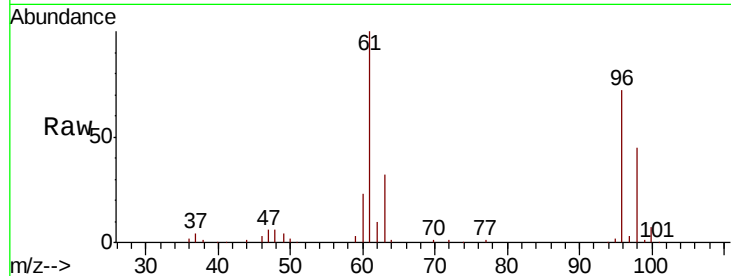


#22

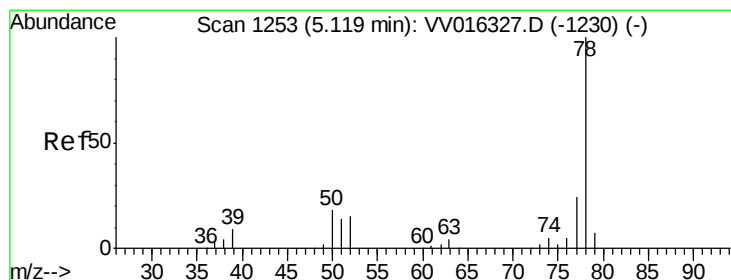
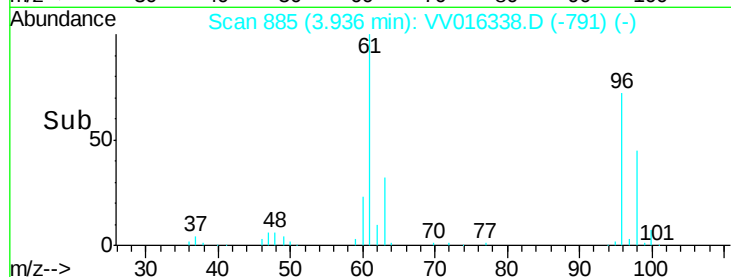
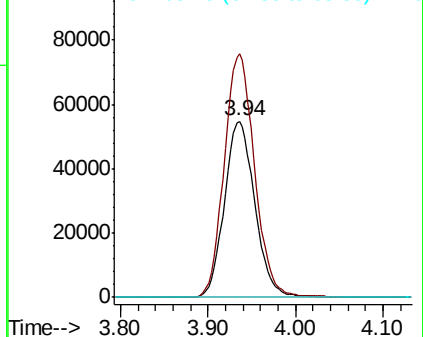
cis-1,2-Dichloroethene
Concen: 21.634 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV016338.D
Acq: 30 May 2020 02:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 132088
Ion Ratio Lower Upper
96 100
61 138.4 99.7 185.1
68 0.0 0.0 0.0



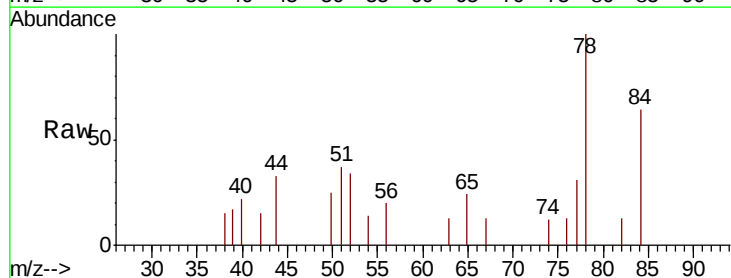
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



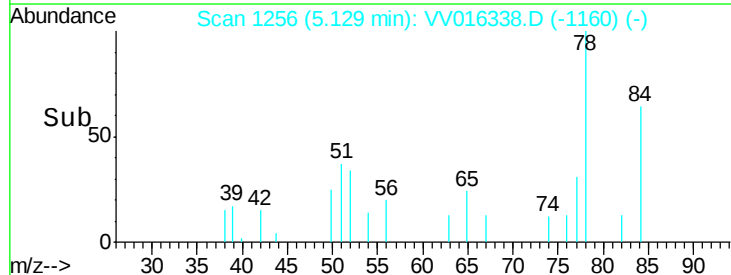
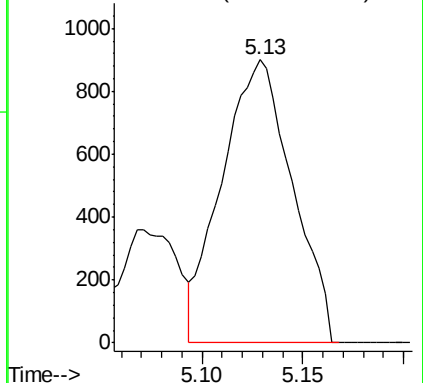
#33

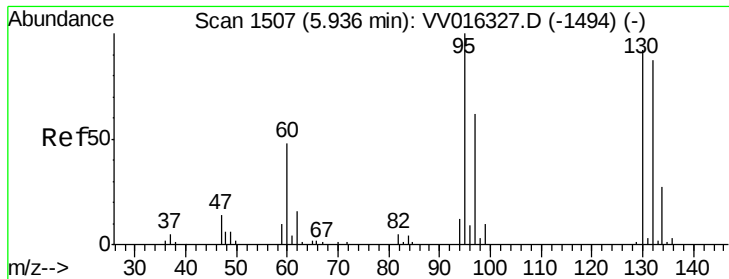
Benzene
Concen: 0.105 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016338.D
Acq: 30 May 2020 02:44

Tgt Ion: 78 Resp: 2192



Abundance Ion 78.10 (77.80 to 78.80): VV0

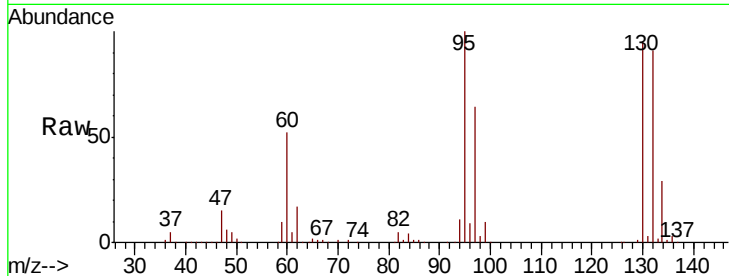




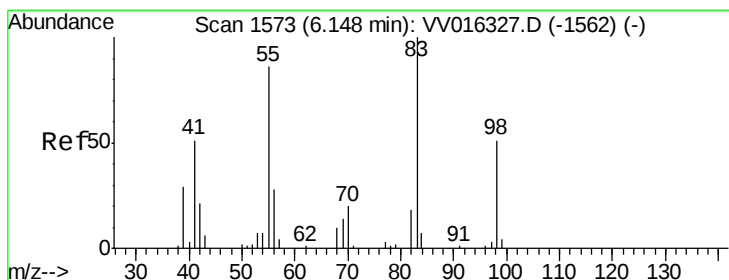
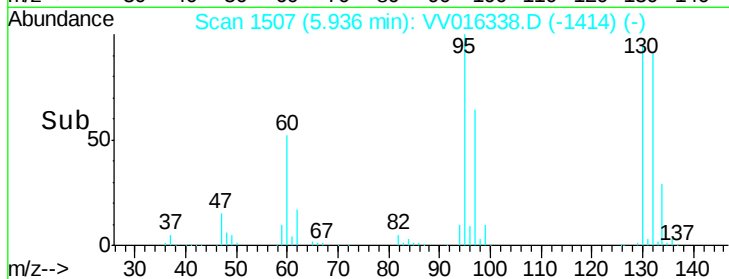
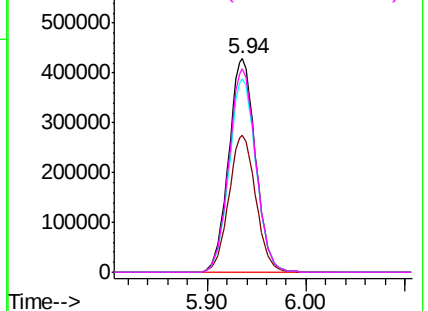
#34
 Trichloroethene
 Concen: 149.903 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016338.D
 Acq: 30 May 2020 02:44

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 814974
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.6 81.0
 132 90.8 63.9 118.7
 130 95.0 65.2 121.0

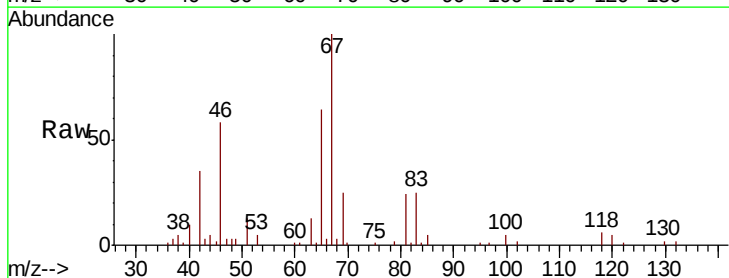


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

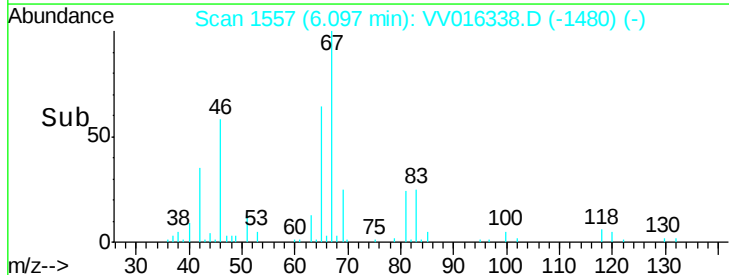
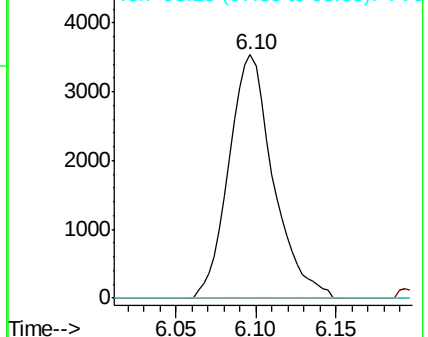


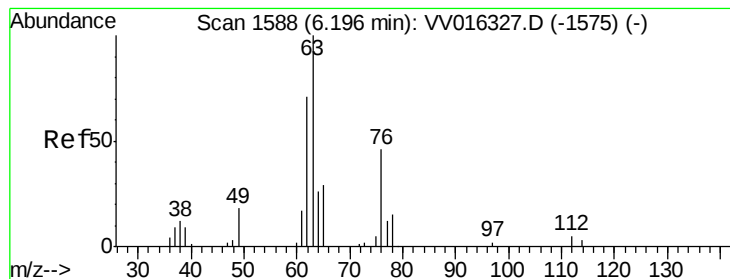
#35
 Methylcyclohexane
 Concen: 0.730 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV016338.D
 Acq: 30 May 2020 02:44

Tgt Ion: 83 Resp: 6696
 Ion Ratio Lower Upper
 83 100
 55 1.0 65.4 98.0#
 98 0.0 39.3 58.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.744 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

Instrument :

MSVOA_V

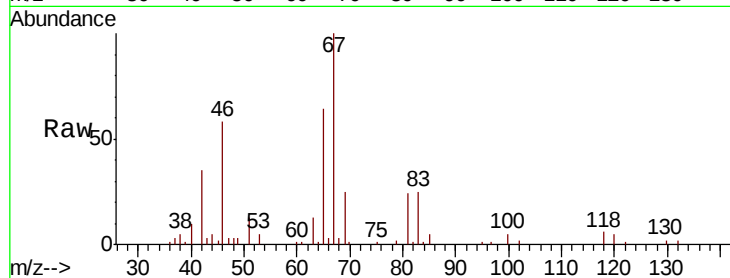
ClientSampleId :

Tot Ion: 63 Resp: 3806

Ion Ratio Lower Upper

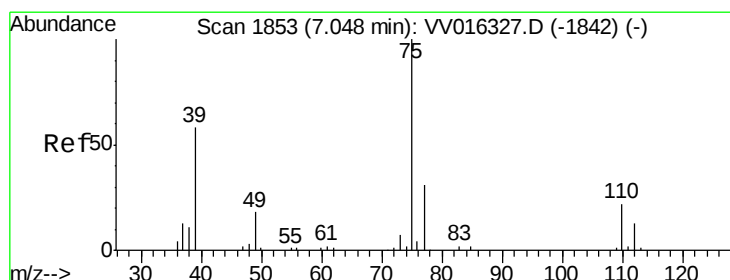
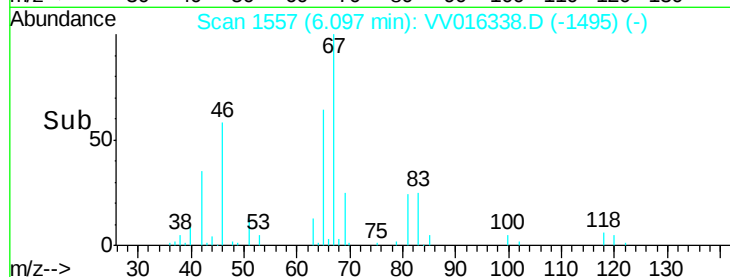
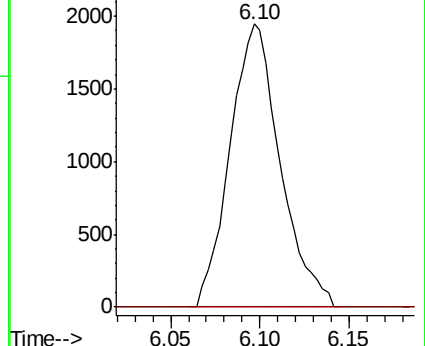
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV016338.D

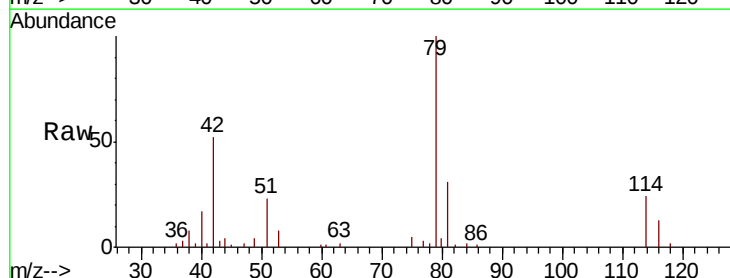
Acq: 30 May 2020 02:44

Tgt Ion: 75 Resp: 737

Ion Ratio Lower Upper

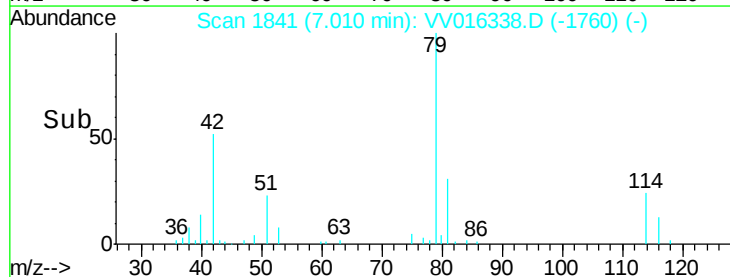
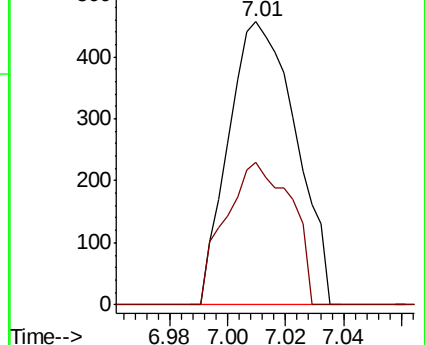
75 100

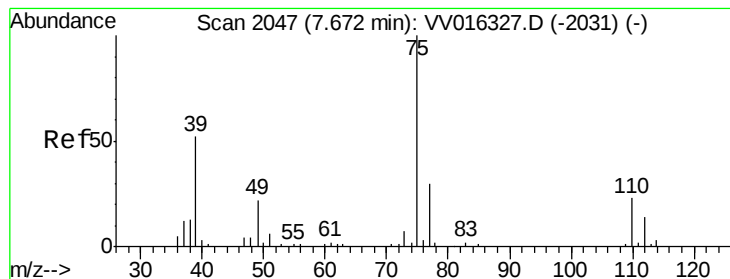
77 50.1 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#46

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

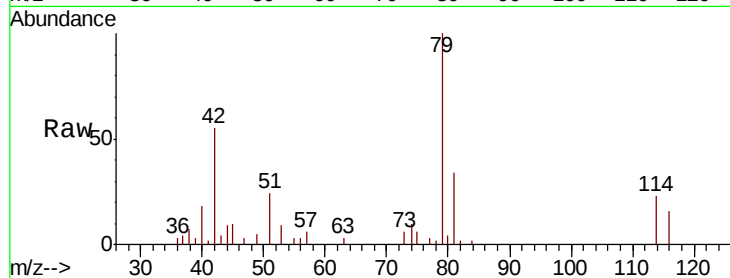
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 520

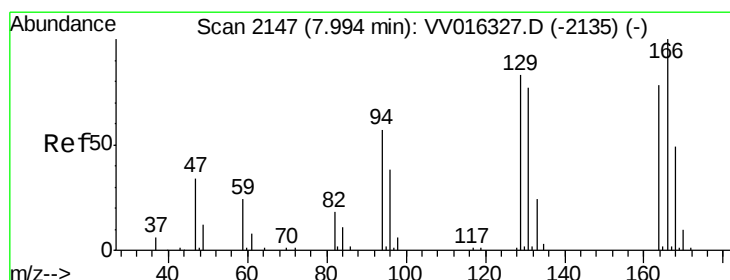
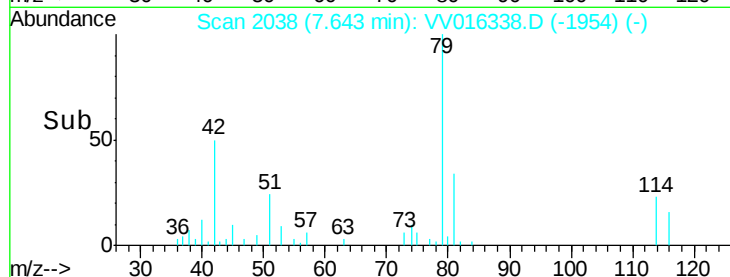
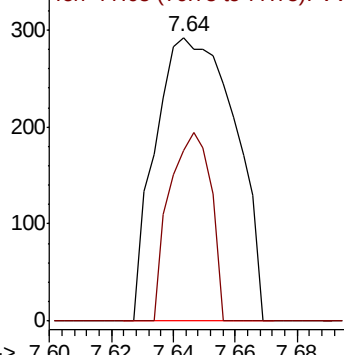
Ion Ratio Lower Upper

75 100

77 60.3 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV016338.D (-1954) (-)



#49

Tetrachloroethene

Concen: 6.450 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

Tgt Ion:164 Resp: 25175

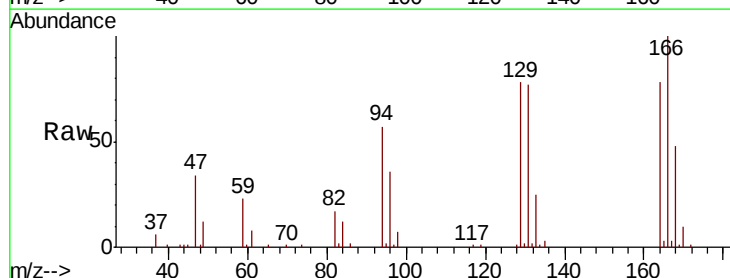
Ion Ratio Lower Upper

164 100

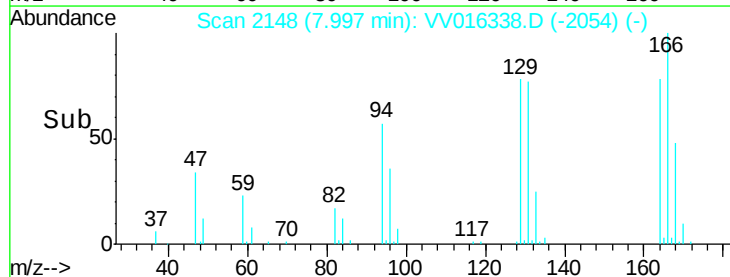
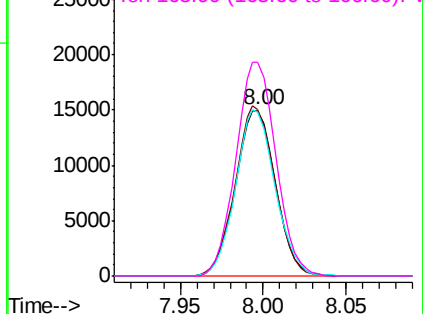
129 100.2 70.7 131.3

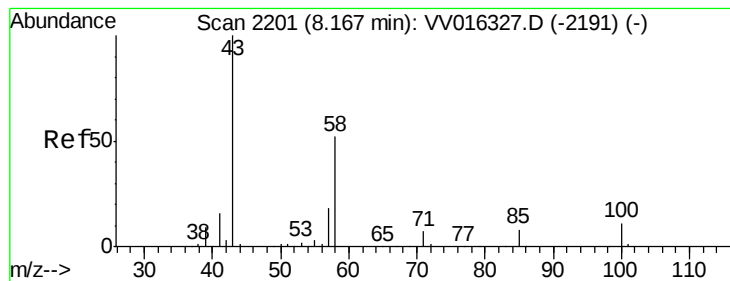
131 98.8 66.6 123.8

166 129.0 86.9 161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016338.D (-2054) (-)





#50

2-Hexanone

Concen: 2.765 ug/L

RT: 8.12 min Scan# 2186

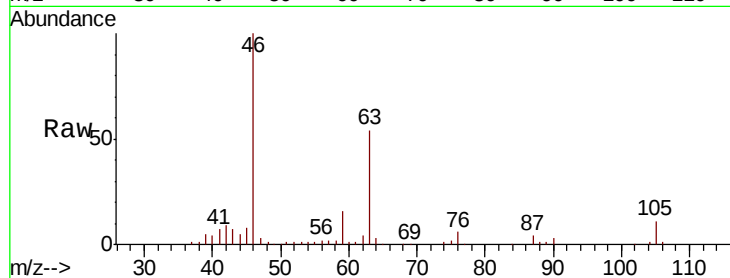
Delta R.T. -0.05 min

Lab File: VV016338.D

Acq: 30 May 2020 02:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	6140
Ion	Ratio	Lower	Upper
43	100		
58	25.5	41.4	62.0#
57	25.6	15.0	22.4#
100	0.0	9.0	13.4#

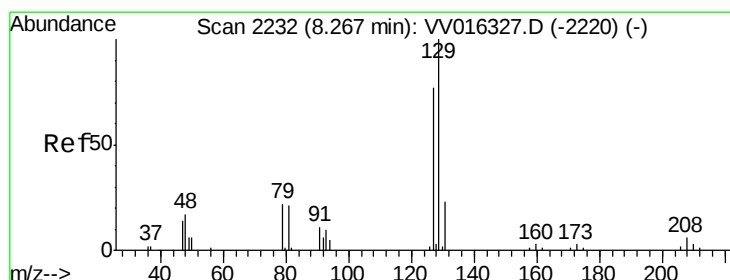
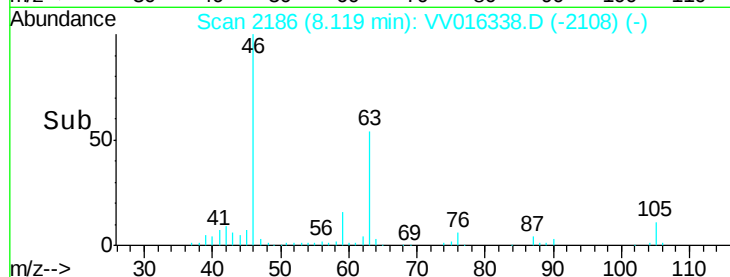
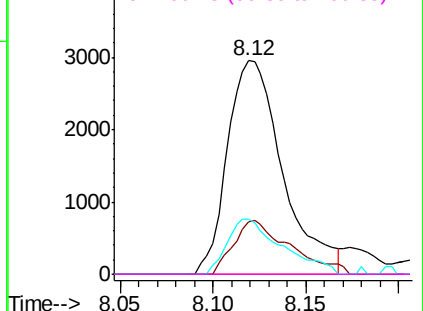


Abundance Ion 43.05 (42.75 to 43.75): VV016338.D (-2186) (-)

Ion 58.05 (57.75 to 58.75): VV016338.D (-2186) (-)

Ion 57.20 (56.90 to 57.90): VV016338.D (-2186) (-)

Ion 100.15 (99.85 to 100.85): VV016338.D (-2186) (-)



#51

Dibromochloromethane

Concen: 6.894 ug/L

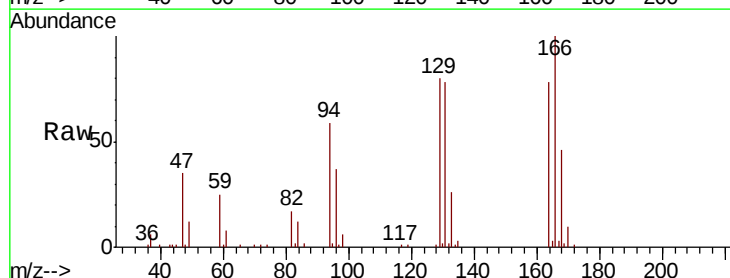
RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV016338.D

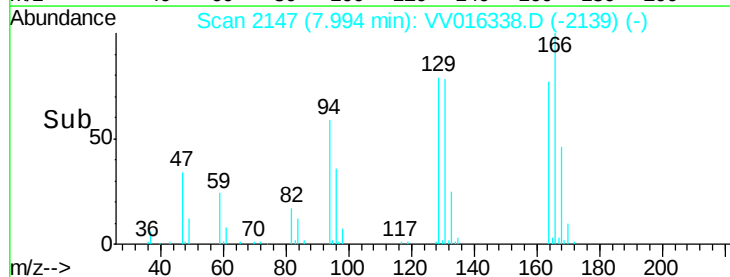
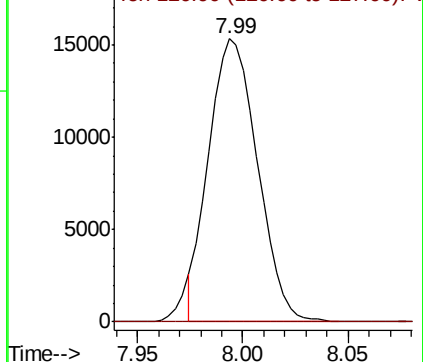
Acq: 30 May 2020 02:44

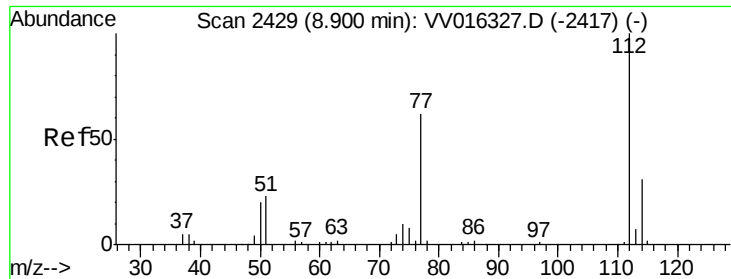
Tgt Ion:	129	Resp:	24581
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.4#



Abundance Ion 128.95 (128.65 to 129.65): VV016338.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV016338.D (-2139) (-)

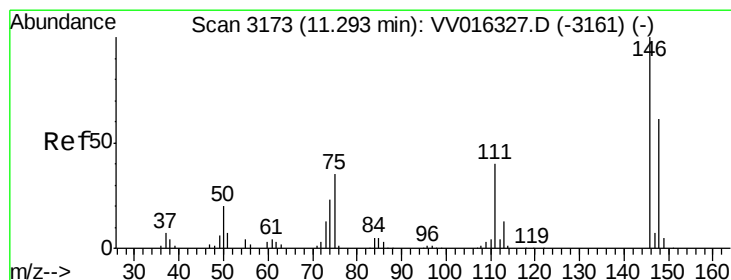
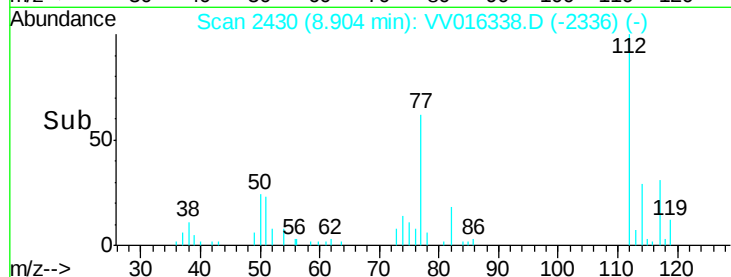
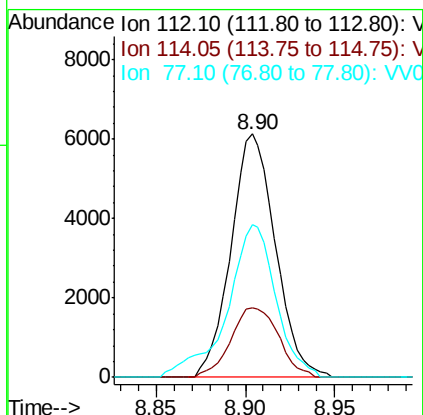
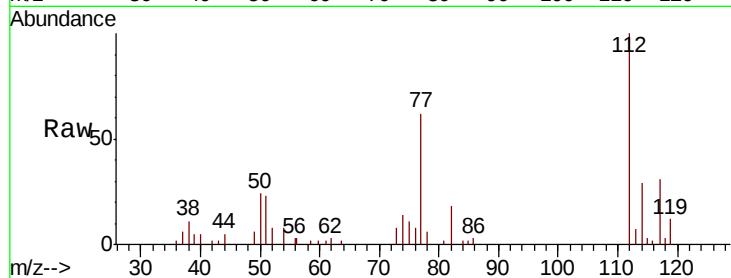




#53
Chlorobenzene
Concen: 0.760 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016338.D
Acq: 30 May 2020 02:44

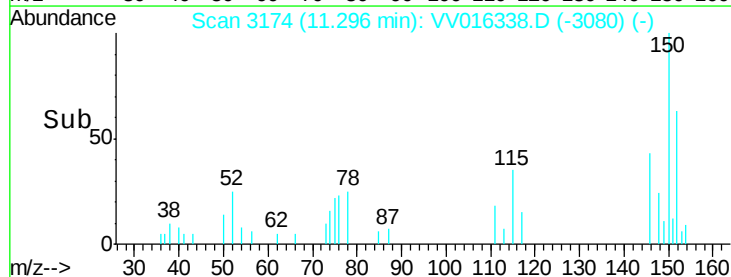
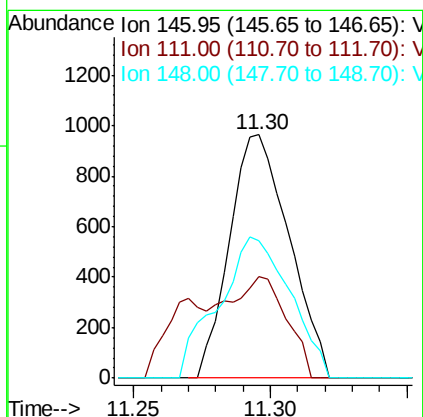
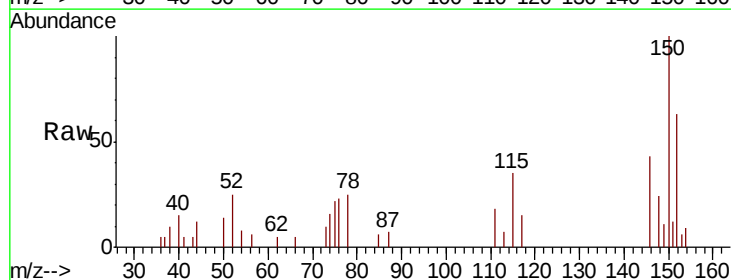
Instrument :
MSVOA_V
ClientSampleId :

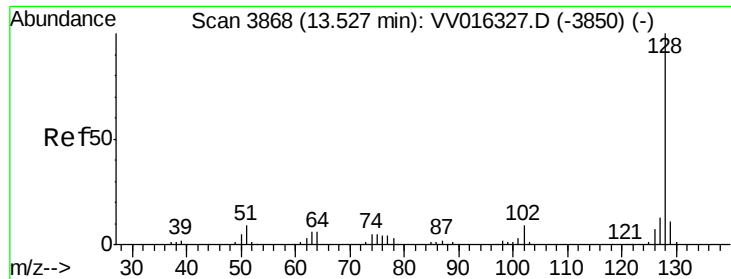
Tot Ion:112 Resp: 10690
Ion Ratio Lower Upper
112 100
114 28.5 22.3 41.3
77 62.5 50.7 76.1



#64
1,4-Dichlorobenzene
Concen: 0.175 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV016338.D
Acq: 30 May 2020 02:44

Tgt Ion:146 Resp: 1461
Ion Ratio Lower Upper
146 100
111 41.6 28.3 52.7
148 56.5 43.3 80.3





#70

Naphthalene

Concen: 0.471 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

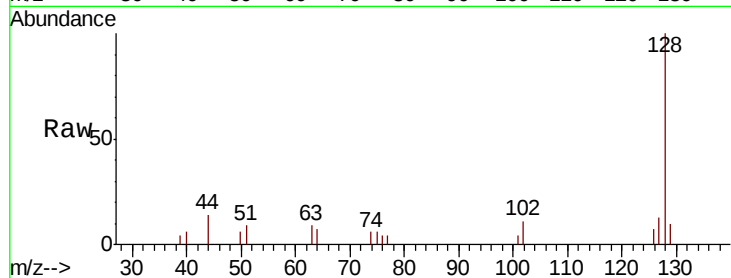
Lab File: VV016338.D

Acq: 30 May 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :



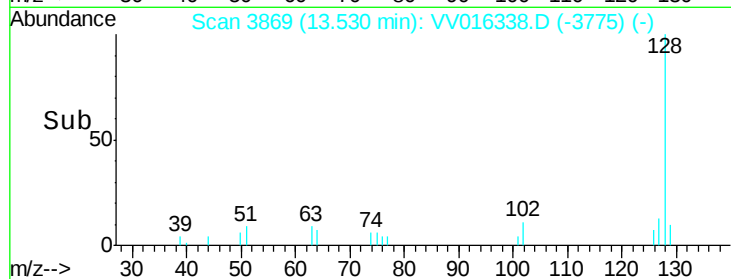
Tot Ion:128 Resp: 5250

Ion Ratio Lower Upper

128 100

129 8.8 8.6 13.0

127 12.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

