

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016599.D
 Acq On : 06 Jun 2020 18:50
 Operator : SY/MD
 Sample : L2895-20
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW0M2

Quant Time: Jun 07 01:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 23:47:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	341737	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	324002	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155957	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	87111	35.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.98%
7) Chloroethane-d5	1.56	69	66790	38.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.44%
11) 1,1-Dichloroethene-d2	2.12	63	125706	29.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.60%#
21) 2-Butanone-d5	3.89	46	175710	113.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.53%
24) Chloroform-d	4.37	84	210760	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.05	65	150547	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
32) Benzene-d6	5.07	84	421372	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.10%
36) 1,2-Dichloropropane-d6	6.09	67	136514	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.96%
41) Toluene-d8	7.34	98	374557	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%
43) trans-1,3-Dichloropropene-	7.64	79	60963	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.11	63	130723	112.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184380	50.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	157999	53.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.82%

Target Compounds

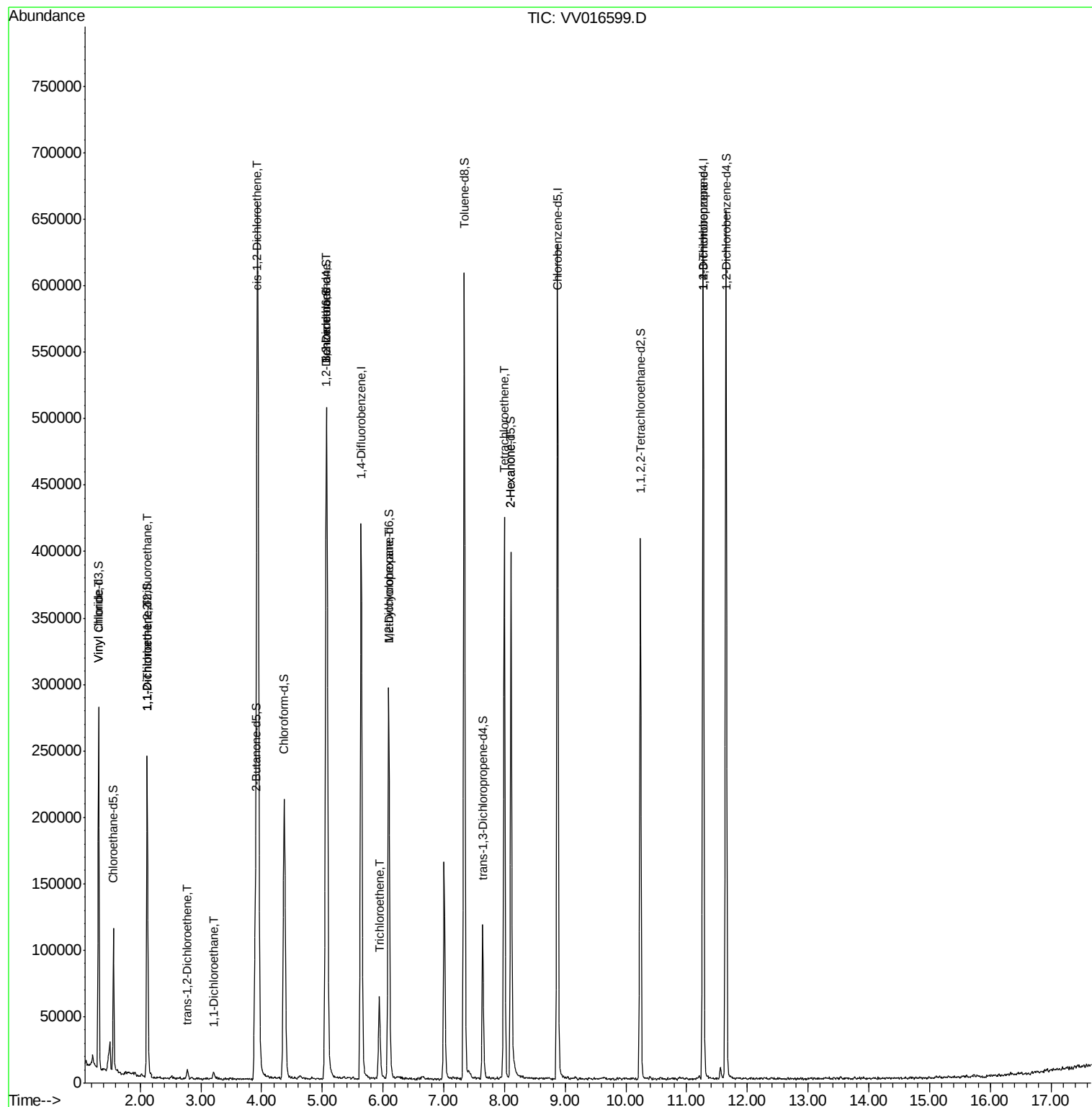
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	84568	32.218	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1380	0.700	ug/L #	18
12) 1,1-Dichloroethene	2.12	96	2243	1.182	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	2099	0.877	ug/L #	77
19) 1,1-Dichloroethane	3.21	63	4869	1.100	ug/L	90
20) cis-1,2-Dichloroethene	3.93	96	355795	137.719	ug/L	100
27) 1,2-Dichloroethane	5.07	62	3037	0.805	ug/L	98
34) Trichloroethene	5.94	95	19407	7.762	ug/L	95
35) Methylcyclohexane	6.09	83	32460	9.044	ug/L #	18
46) Tetrachloroethene	8.00	164	88594	45.956	ug/L	99
48) 2-Hexanone	8.11	43	16763	6.309	ug/L #	66
59) 1,2,3-Trichloropropane	11.27	75	18706	6.036	ug/L	93

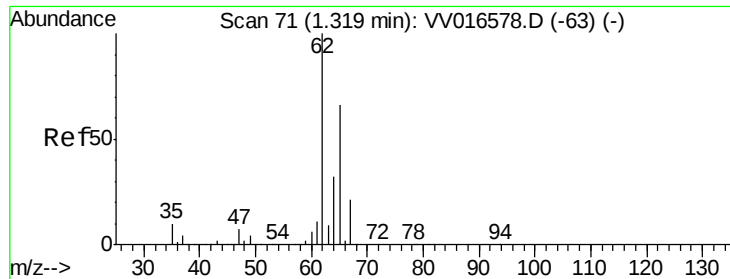
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 06 23:47:35 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 32.218 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016599.D

Acq: 06 Jun 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

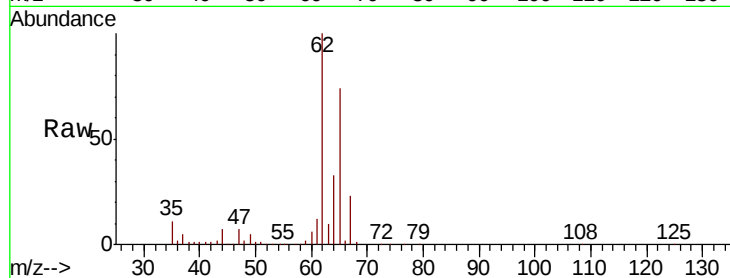
EW0M2

Tot Ion: 62 Resp: 84568

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV016578.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV016599.D (-1) (-)

1.32

80000

60000

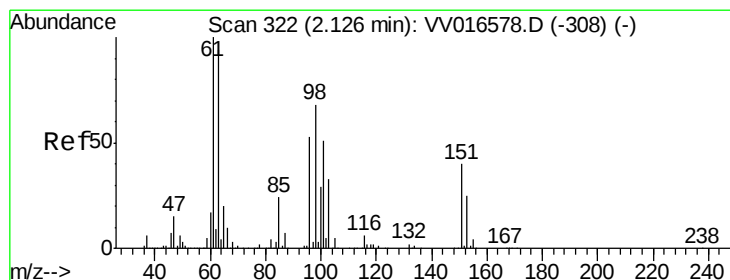
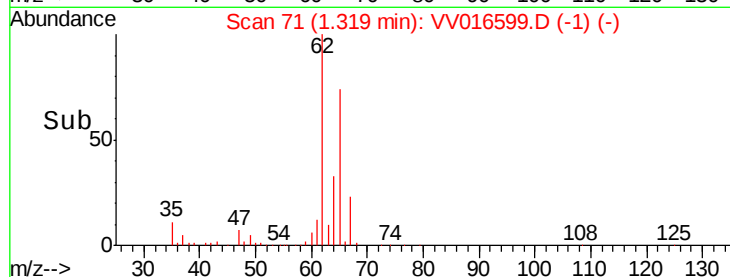
40000

20000

0

1.30 1.35

Time-->



#10

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

Concen: 0.700 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016599.D

Acq: 06 Jun 2020 18:50

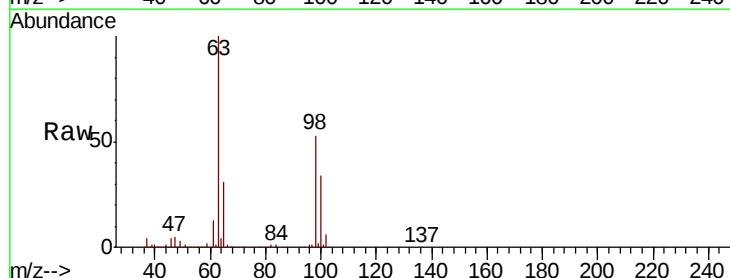
Tgt Ion:101 Resp: 1380

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 61.8 92.8#



Abundance Ion 101.00 (100.70 to 101.70): VV016578.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV016599.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016599.D (-229) (-)

1200

1000

800

600

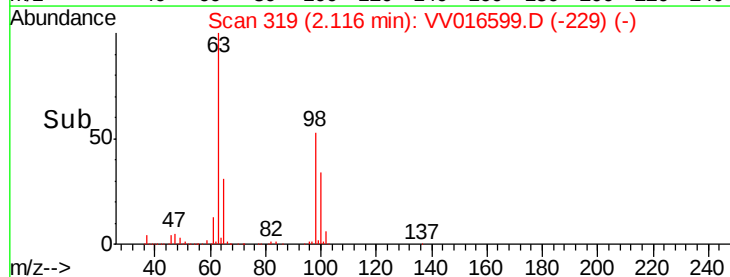
400

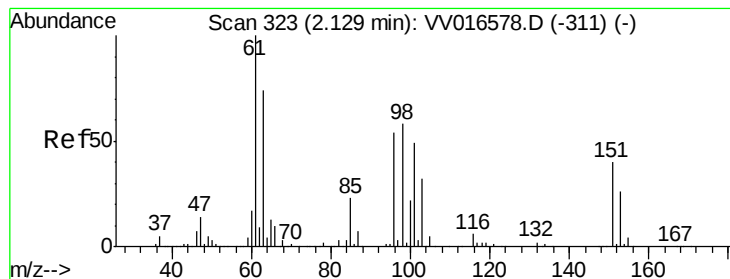
200

0

2.10 2.15

Time-->





#12

1,1-Dichloroethene

Concen: 1.182 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016599.D

Acq: 06 Jun 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

EW0M2

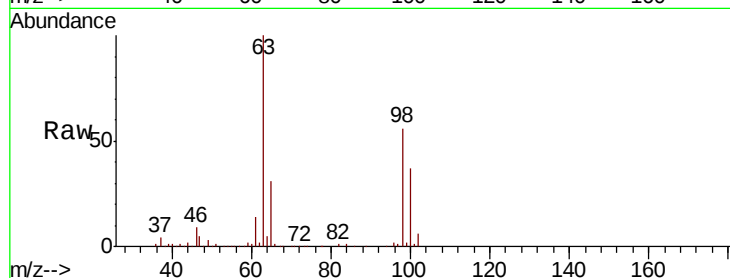
Tot Ion: 96 Resp: 2243

Ion Ratio Lower Upper

96 100

61 661.0 125.5 233.1#

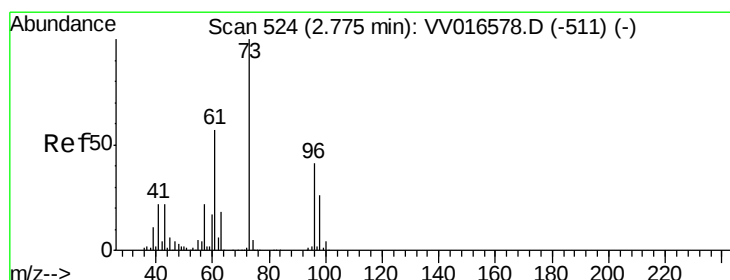
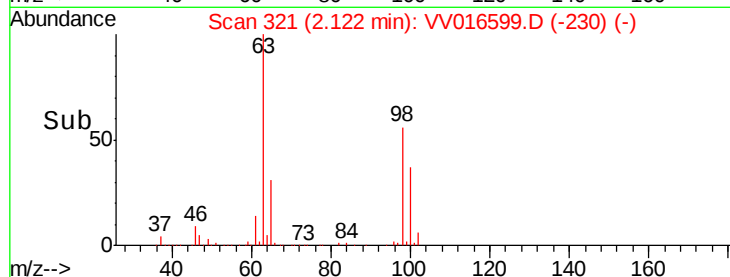
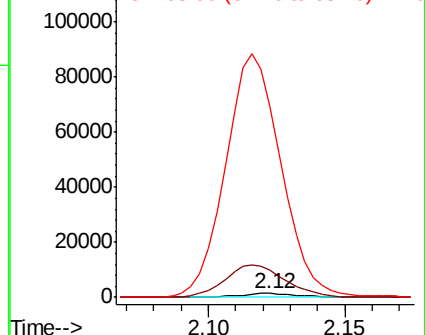
63 4690.4 104.0 193.1#



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



#17

trans-1,2-Dichloroethene

Concen: 0.877 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016599.D

Acq: 06 Jun 2020 18:50

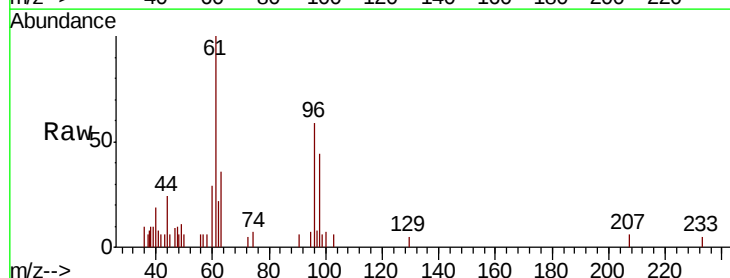
Tgt Ion: 96 Resp: 2099

Ion Ratio Lower Upper

96 100

61 170.8 101.0 187.6

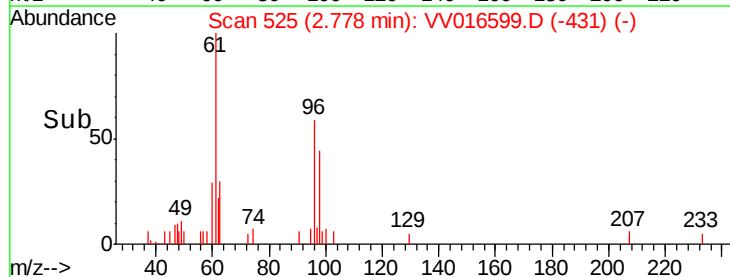
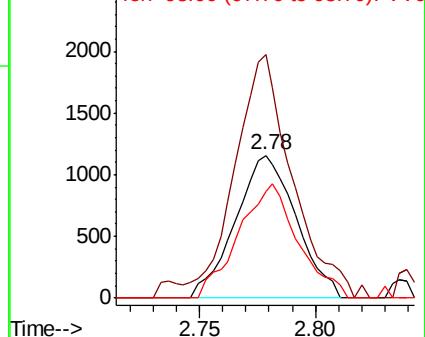
98 84.2 44.7 83.1#

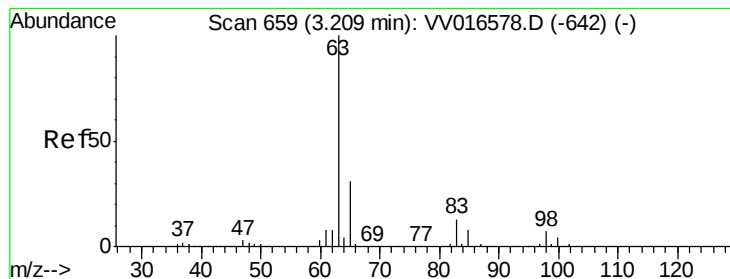


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 1.100 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016599.D

Acq: 06 Jun 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

EW0M2

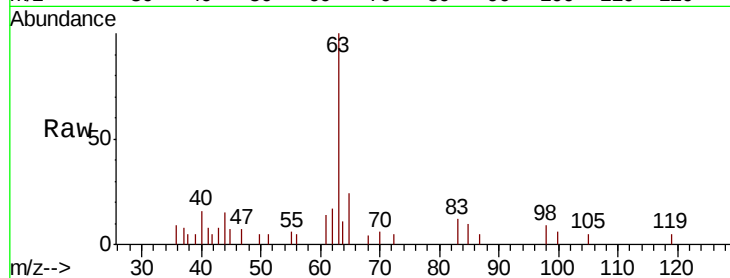
Tot Ion: 63 Resp: 4869

Ion Ratio Lower Upper

63 100

65 24.4 22.2 41.2

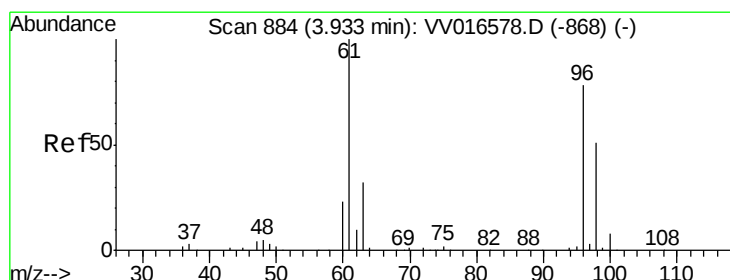
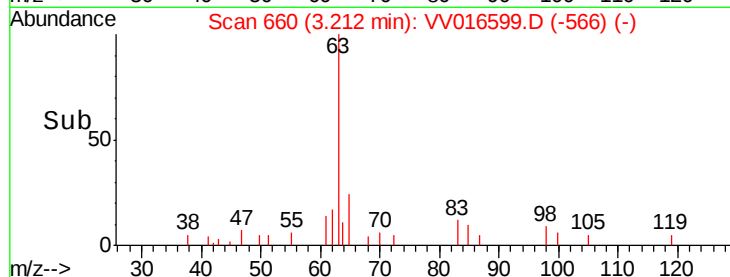
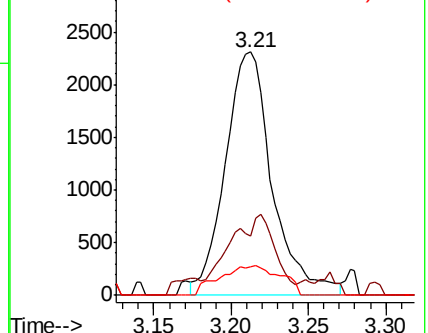
83 11.9 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 137.719 ug/L

RT: 3.93 min Scan# 884

Delta R.T. 0.00 min

Lab File: VV016599.D

Acq: 06 Jun 2020 18:50

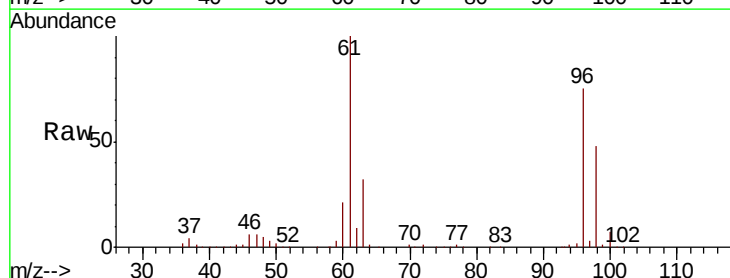
Tgt Ion: 96 Resp: 355795

Ion Ratio Lower Upper

96 100

61 133.7 93.4 173.4

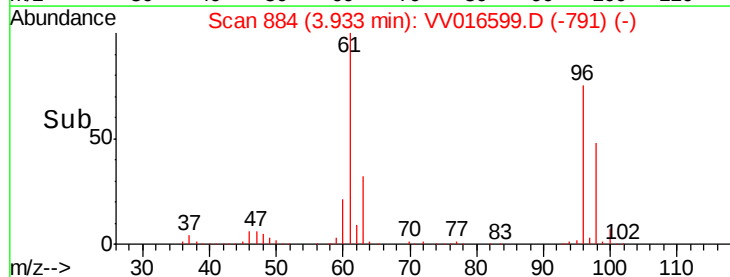
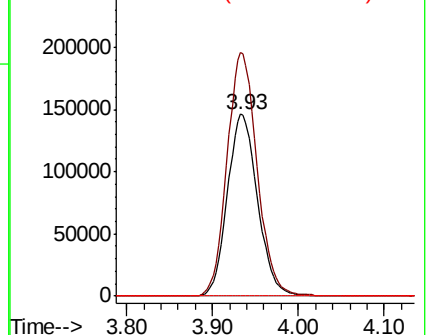
68 0.0 0.0 0.0

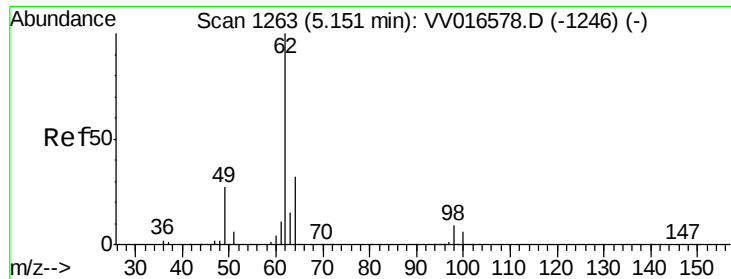


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

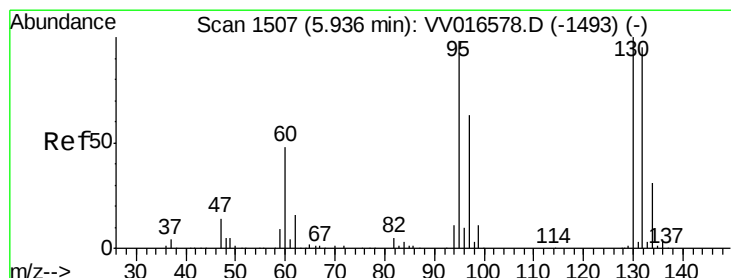
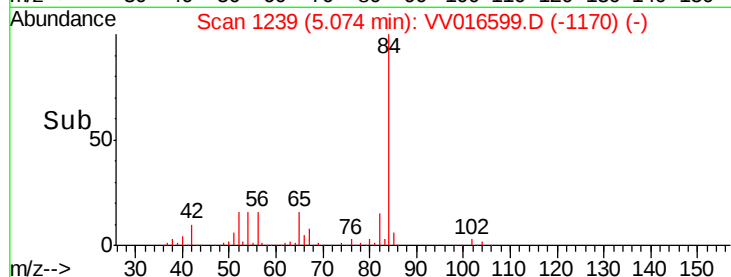
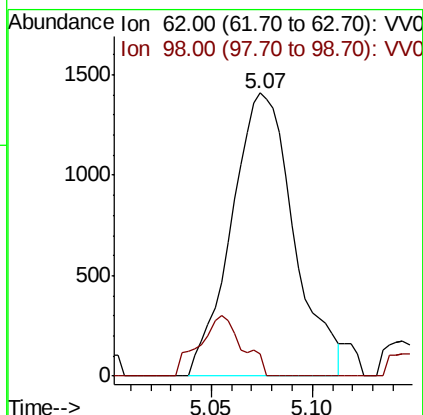
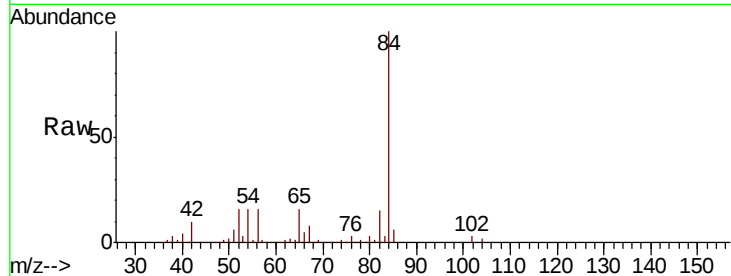




#27
 1,2-Dichloroethane
 Concen: 0.805 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV016599.D
 Acq: 06 Jun 2020 18:50

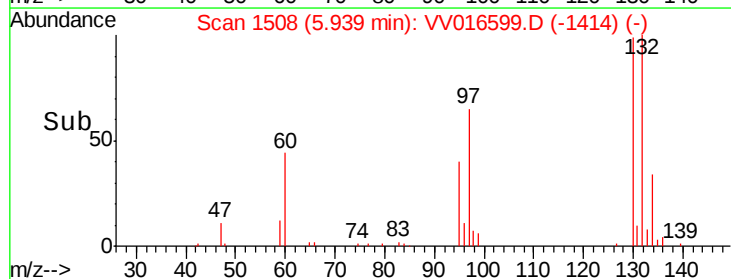
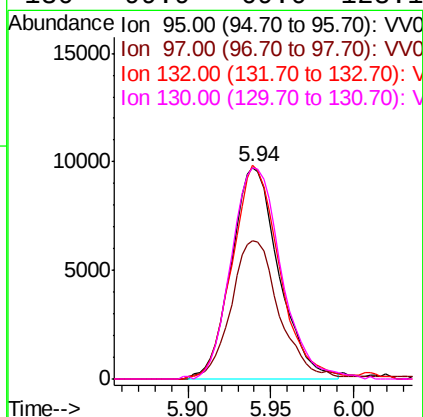
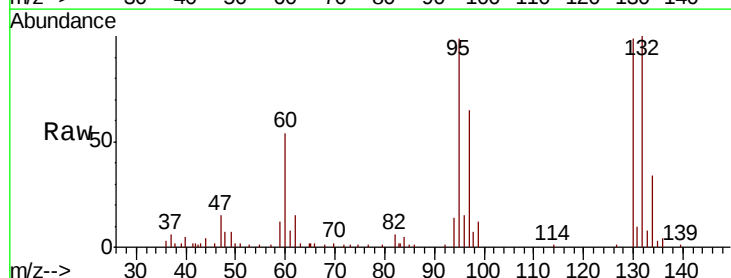
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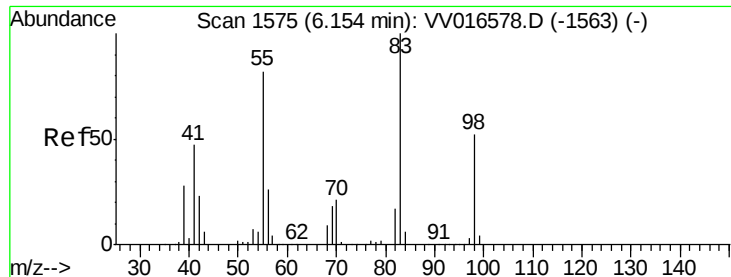
Tot Ion: 62 Resp: 3037
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.9 10.3



#34
 Trichloroethene
 Concen: 7.762 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016599.D
 Acq: 06 Jun 2020 18:50

Tgt Ion: 95 Resp: 19407
 Ion Ratio Lower Upper
 95 100
 97 65.7 42.8 79.6
 132 101.0 65.6 121.8
 130 99.9 69.0 128.1

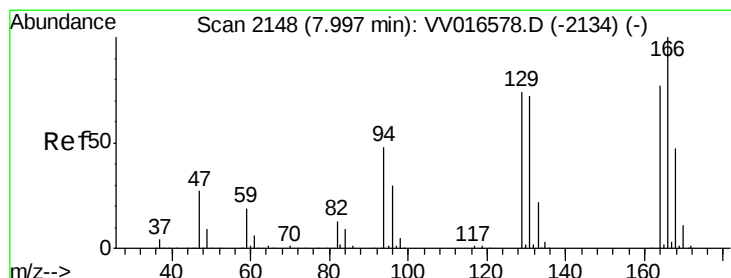
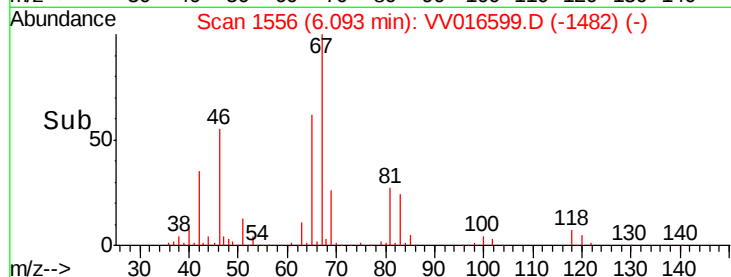
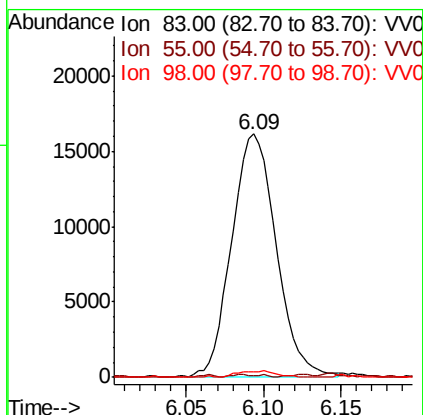
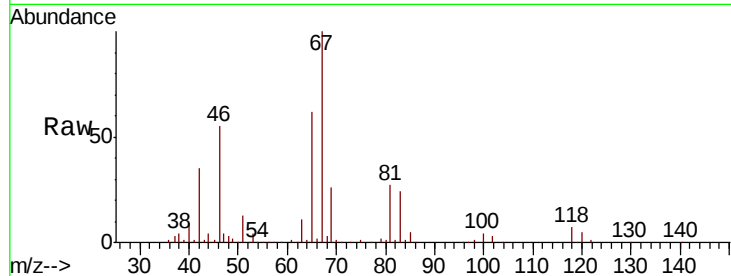




#35
Methvlcvclohexane
Concen: 9.044 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016599.D
Acq: 06 Jun 2020 18:50

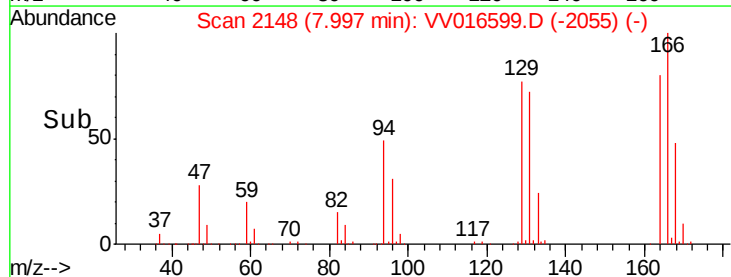
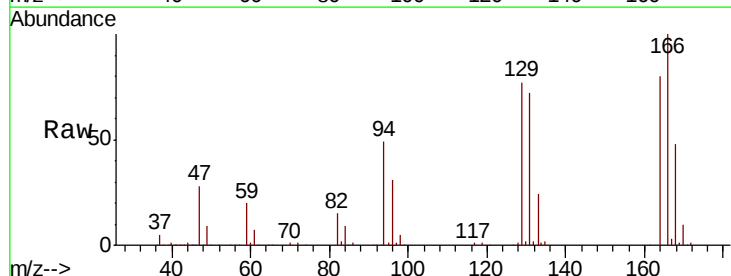
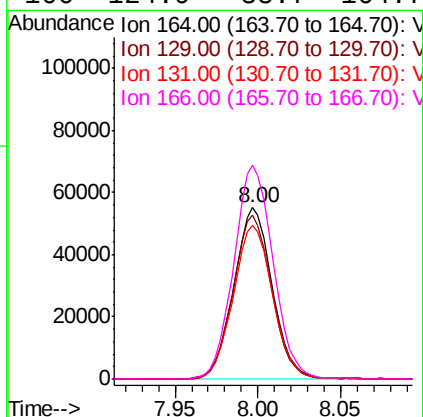
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MSVOA_V
ClientSampleId :
EW0M2

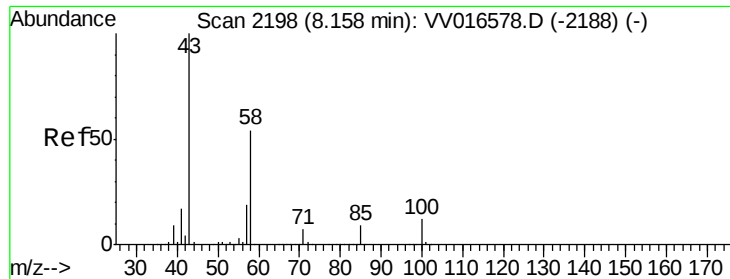
Tot Ion: 83 Resp: 32460
Ion Ratio Lower Upper
83 100
55 0.3 63.4 95.0#
98 2.2 39.4 59.0#



#46
Tetrachloroethene
Concen: 45.956 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016599.D
Acq: 06 Jun 2020 18:50

Tgt Ion:164 Resp: 88594
Ion Ratio Lower Upper
164 100
129 96.0 67.7 125.7
131 90.0 63.8 118.6
166 124.9 88.7 164.7

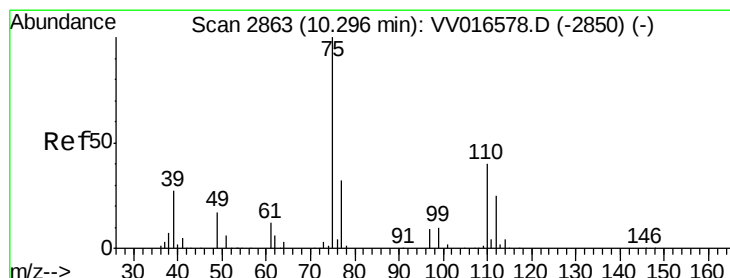
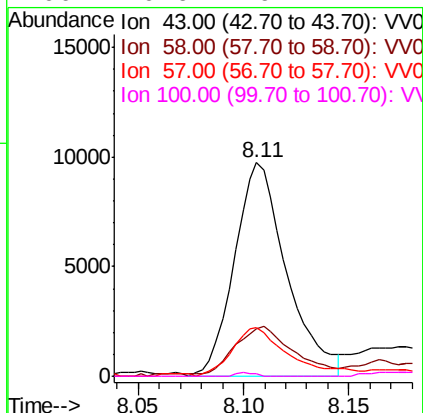
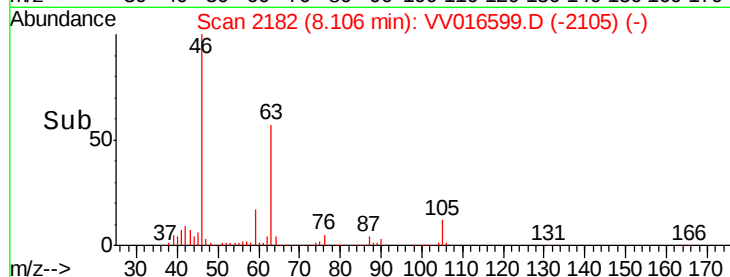
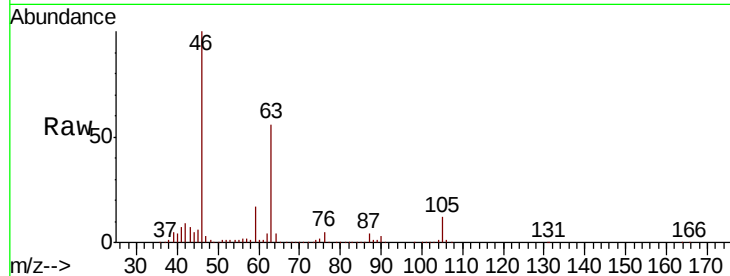




#48
2-Hexanone
Concen: 6.309 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV016599.D
Acq: 06 Jun 2020 18:50

Instrument :
MSVOA_V
ClientSampleId :
EW0M2

Tot Ion: 43 Resp: 16763
Ion Ratio Lower Upper
43 100
58 23.7 42.7 64.1#
57 24.9 14.5 21.7#
100 0.6 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 6.036 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV016599.D
Acq: 06 Jun 2020 18:50

Tgt Ion: 75 Resp: 18706
Ion Ratio Lower Upper
75 100
77 37.4 26.6 40.0

