

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018498.D
 Acq On : 28 Sep 2020 17:13
 Operator : SY/MD
 Sample : L4117-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA4

Quant Time: Sep 29 00:53:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 00:50:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	252687	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	243760	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	121639	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96616	46.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.84%
7) Chloroethane-d5	1.58	69	85043	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.94%
11) 1,1-Dichloroethene-d2	2.12	63	142456	37.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.42%
21) 2-Butanone-d5	3.92	46	156594	124.24	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.24%
24) Chloroform-d	4.38	84	195221	54.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.28%
26) 1,2-Dichloroethane-d4	5.06	65	127499	55.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.34%
32) Benzene-d6	5.08	84	395676	56.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.10	67	128788	58.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.16%
41) Toluene-d8	7.34	98	351204	55.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.44%
43) trans-1,3-Dichloropropene-	7.64	79	62125	55.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.28%
47) 2-Hexanone-d5	8.11	63	91083	108.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.45%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	169189	60.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	121.60%#
64) 1,2-Dichlorobenzene-d4	11.65	152	152273	60.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.92%#

Target Compounds

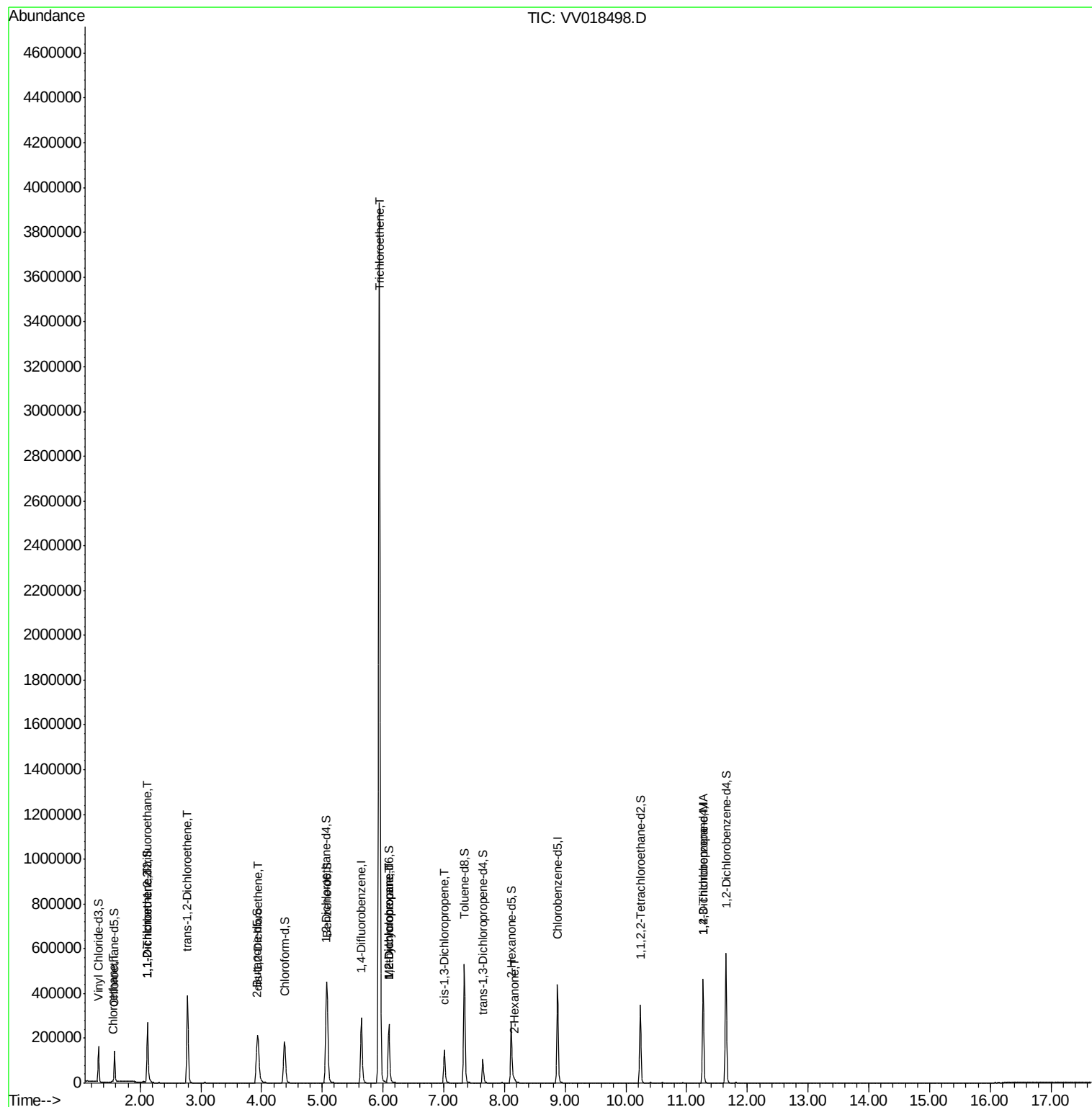
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.55	64	4073	3.151	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1368	0.802	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1850	1.115	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	149043	87.167	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	90266	49.385	ug/L	97
34) Trichloroethene	5.94	95	1373331	723.361	ug/L	99
35) Methylcyclohexane	6.10	83	30566	10.693	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	13586	7.356	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3326	1.169	ug/L #	52
48) 2-Hexanone	8.16	43	9886	5.597	ug/L #	73
59) 1,2,3-Trichloropropane	11.27	75	13907	6.402	ug/L	91

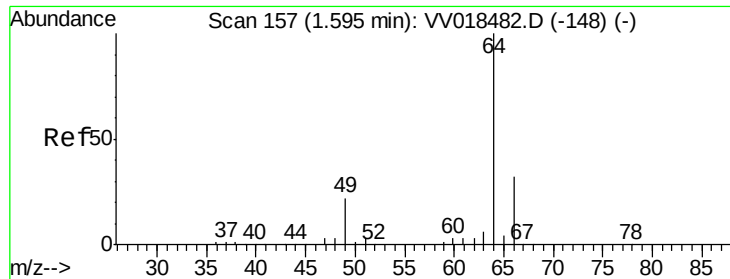
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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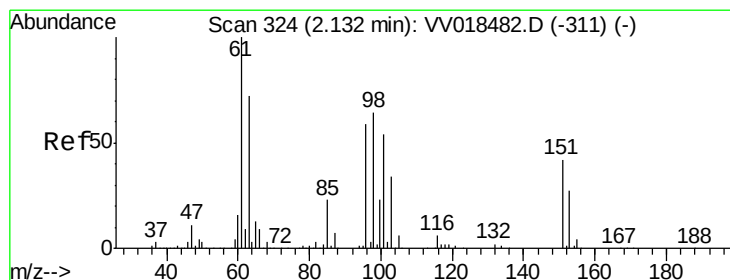
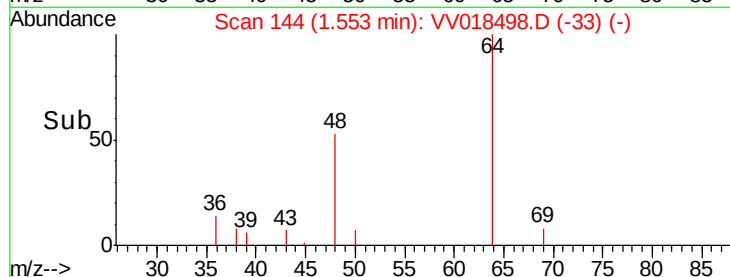
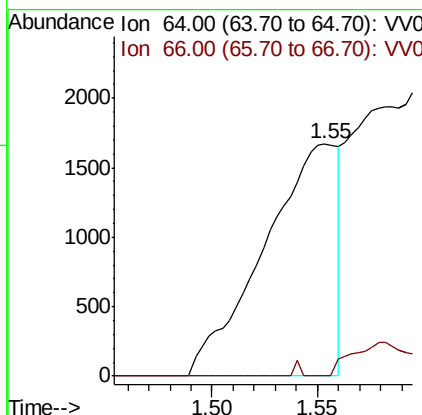
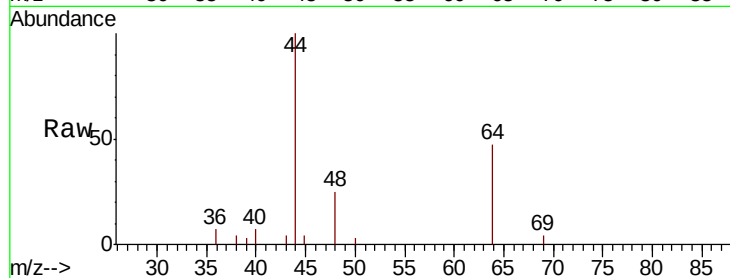




#8
 Chloroethane
 Concen: 3.151 ug/L
 RT: 1.55 min Scan# 144
 Delta R.T. -0.04 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

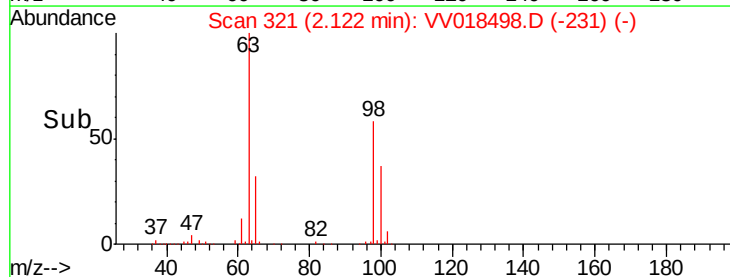
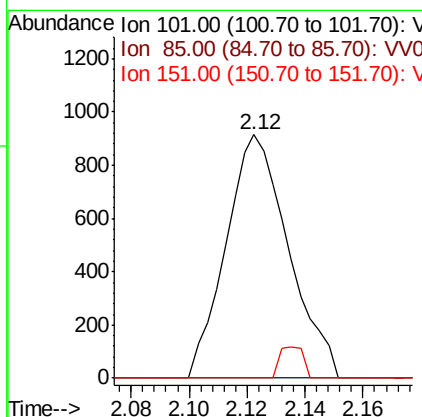
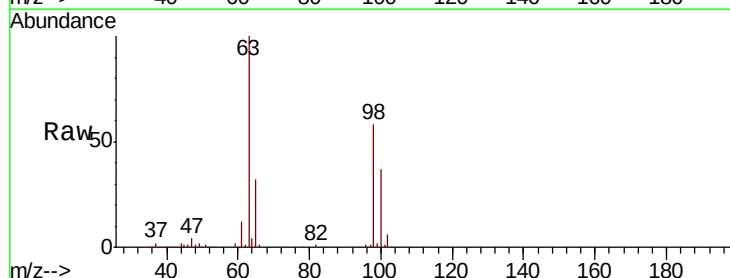
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA4

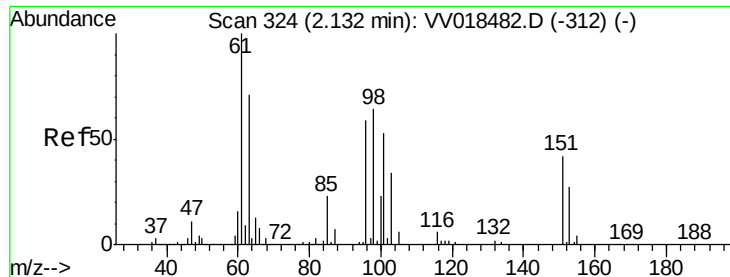
Tot Ion: 64 Resp: 4073
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.5 41.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.802 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

Tgt Ion: 101 Resp: 1368
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.5 50.3#
 151 0.0 62.2 93.2#

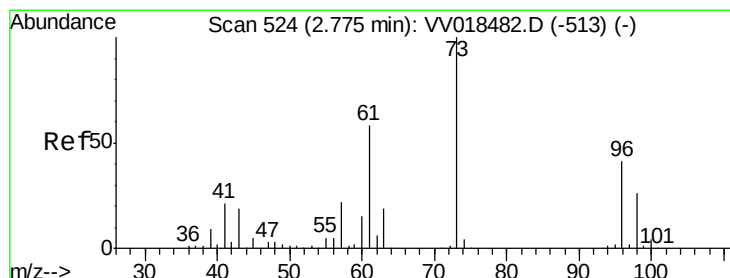
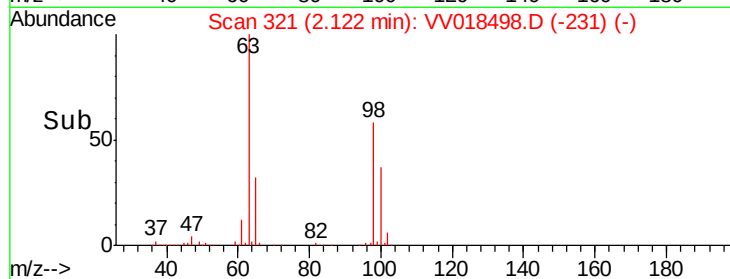
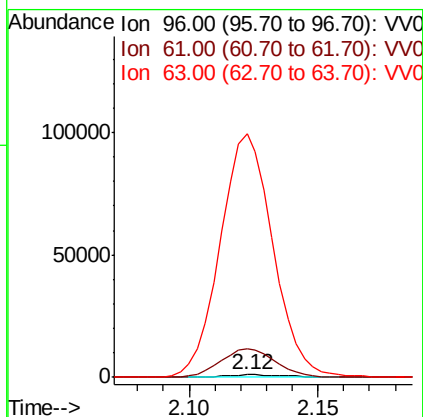
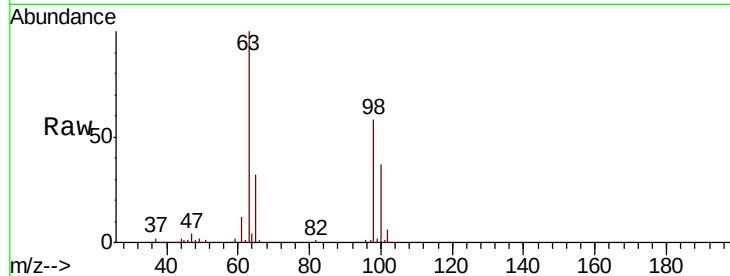




#12
 1,1-Dichloroethene
 Concen: 1.115 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

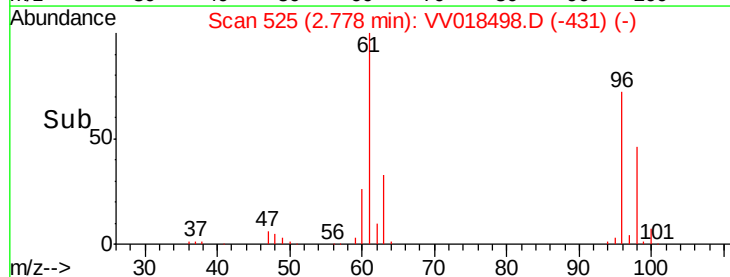
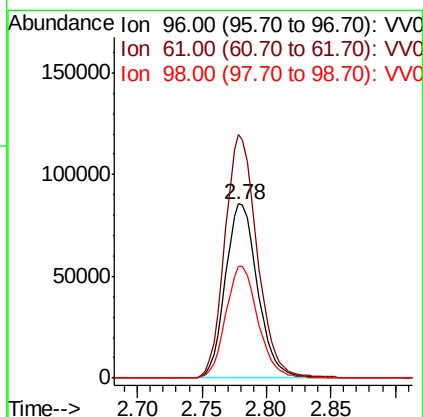
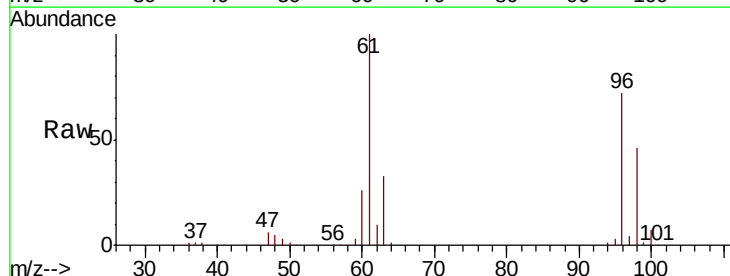
Instrument :
 MSVOA_V
 ClientSampleId :
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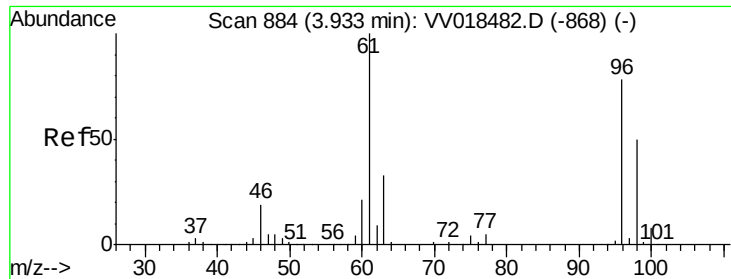
Tot Ion: 96 Resp: 1850
 Ion Ratio Lower Upper
 96 100
 61 1079.5 122.9 228.3#
 63 9315.4 91.9 170.7#



#17
 trans-1,2-Dichloroethene
 Concen: 87.167 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

Tgt Ion: 96 Resp: 149043
 Ion Ratio Lower Upper
 96 100
 61 139.7 100.7 186.9
 98 63.9 45.2 84.0

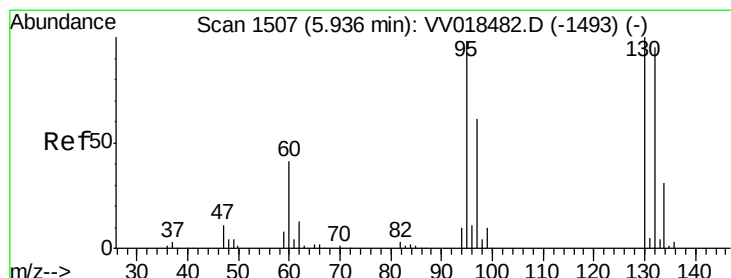
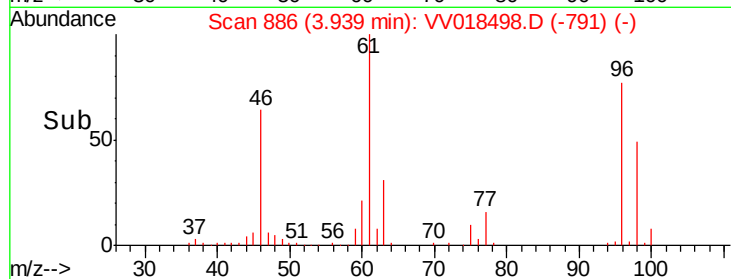
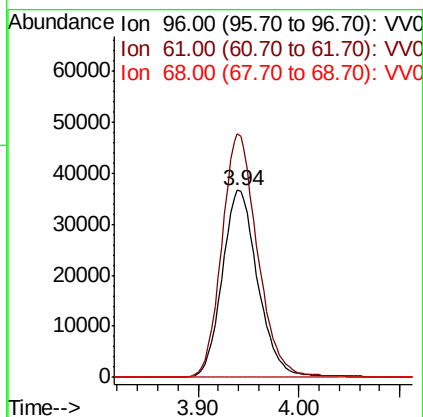
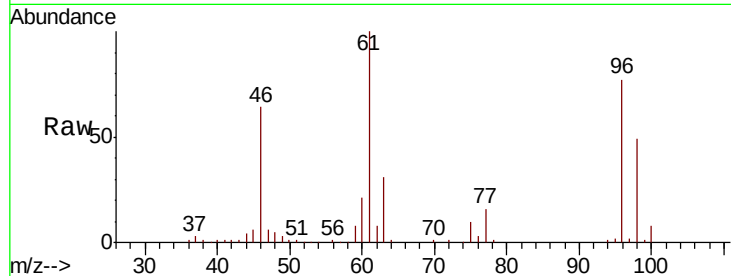




#20
 cis-1,2-Dichloroethene
 Concen: 49.385 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

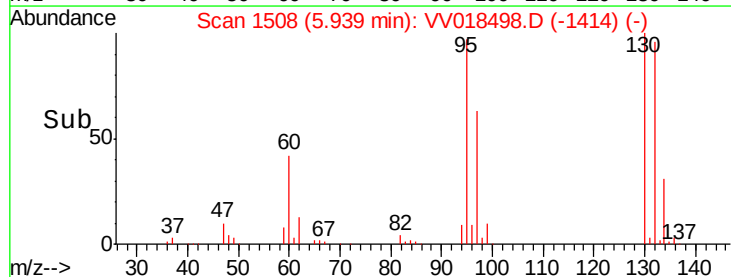
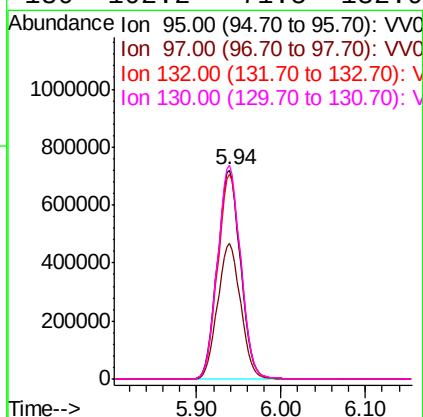
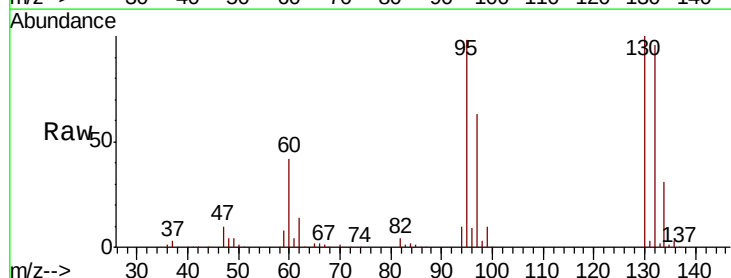
Instrument :
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 ClientSampleId :
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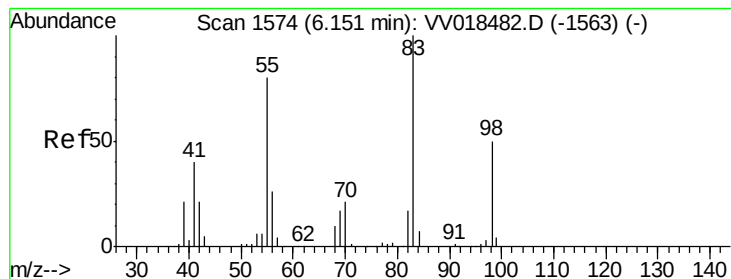
Tot Ion: 96 Resp: 90266
 Ion Ratio Lower Upper
 96 100
 61 130.0 93.6 173.8
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 723.361 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

Tgt Ion: 95 Resp: 1373331
 Ion Ratio Lower Upper
 95 100
 97 64.7 46.3 85.9
 132 98.3 68.1 126.5
 130 102.2 71.5 132.9





#35

Methvlcvclohexane

Concen: 10.693 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV018498.D

Acq: 28 Sep 2020 17:13

Instrument :

MSVOA_V

ClientSampleId :

E0AA4

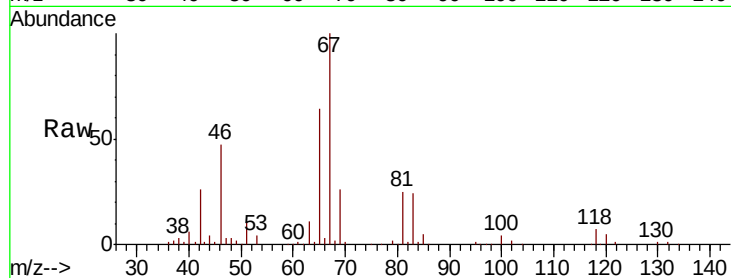
Tot Ion: 83 Resp: 30566

Ion Ratio Lower Upper

83 100

55 0.1 63.4 95.2#

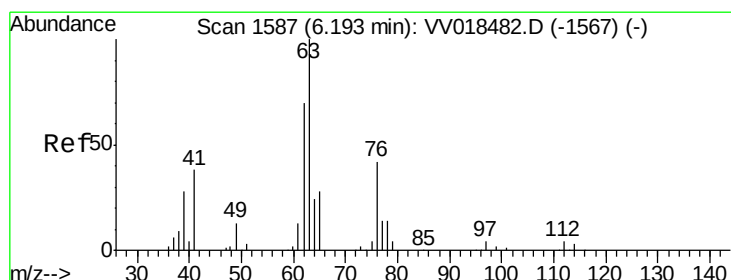
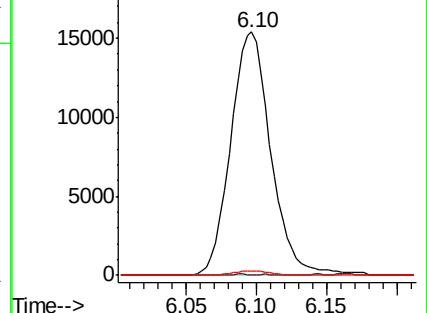
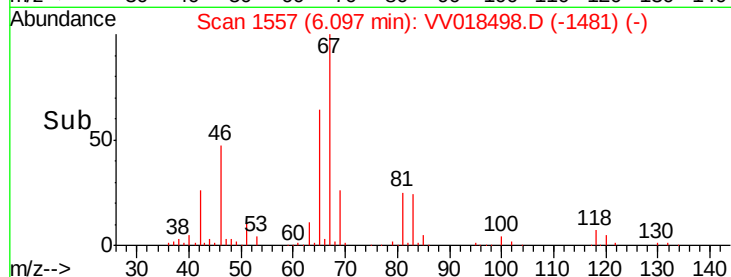
98 1.7 38.8 58.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 7.356 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV018498.D

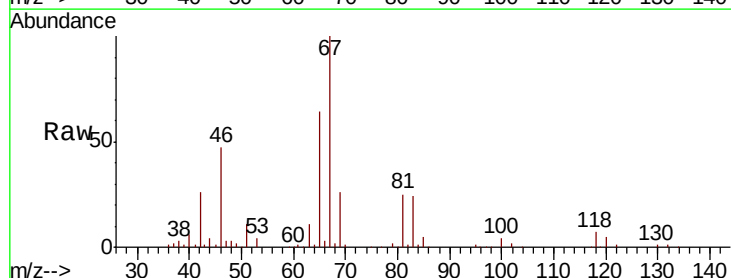
Acq: 28 Sep 2020 17:13

Tgt Ion: 63 Resp: 13586

Ion Ratio Lower Upper

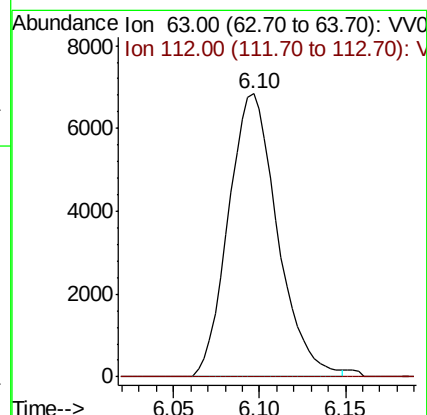
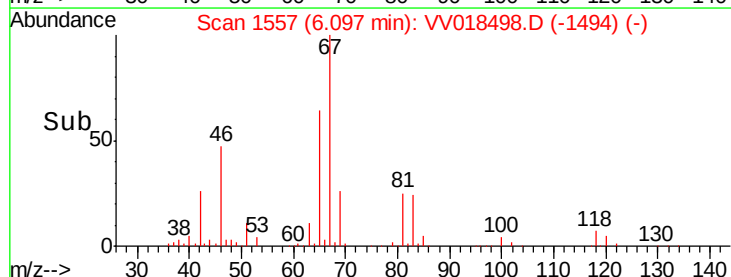
63 100

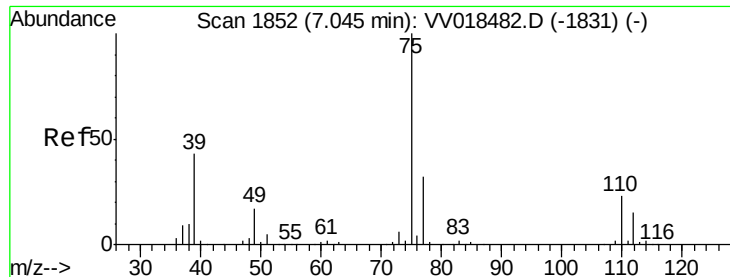
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

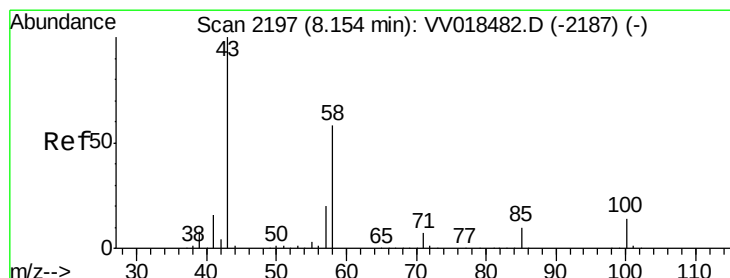
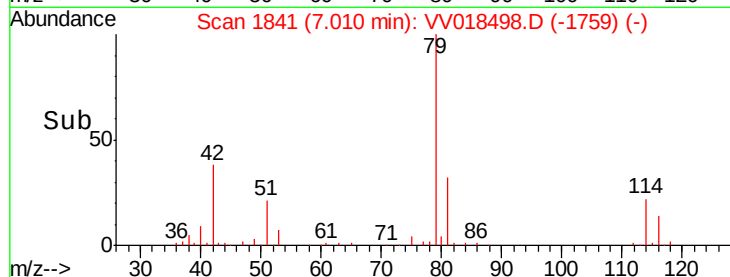
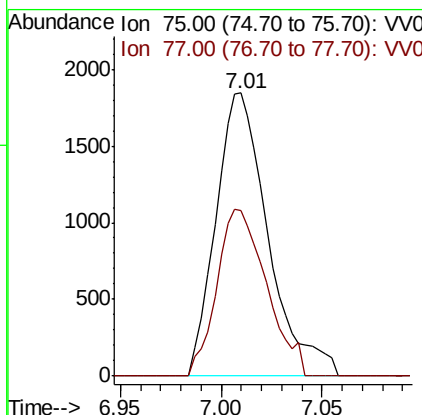
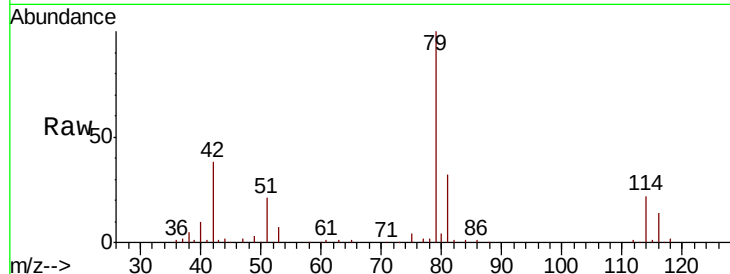




#39
 cis-1,3-Dichloropropene
 Concen: 1.169 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

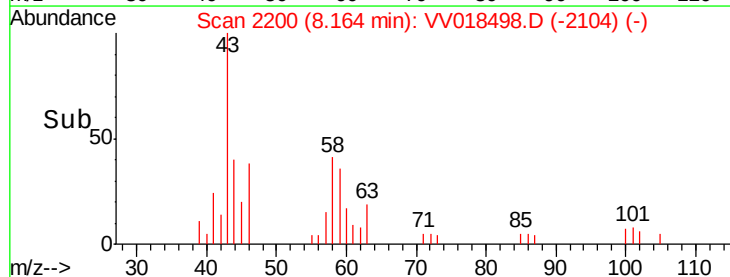
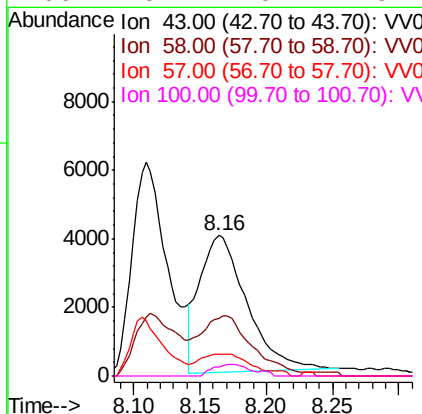
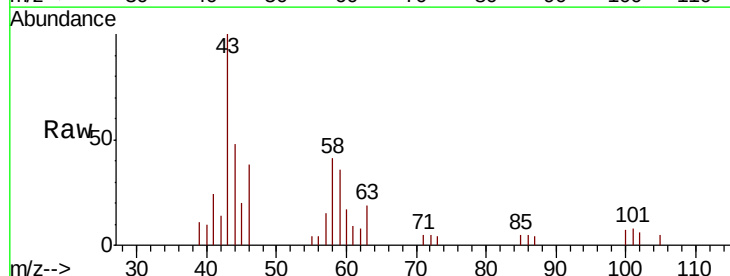
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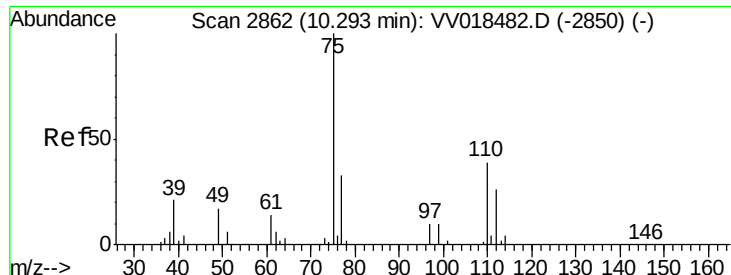
Tot Ion: 75 Resp: 3326
 Ion Ratio Lower Upper
 75 100
 77 58.4 22.3 41.3#



#48
 2-Hexanone
 Concen: 5.597 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV018498.D
 Acq: 28 Sep 2020 17:13

Tgt Ion: 43 Resp: 9886
 Ion Ratio Lower Upper
 43 100
 58 37.4 44.8 67.2#
 57 2.7 15.8 23.6#
 100 6.2 10.2 15.4#





#59

1,2,3-Trichloropropane

Concen: 6.402 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018498.D

Acq: 28 Sep 2020 17:13

Instrument :

MSVOA_V

ClientSampleId :

E0AA4

Tot Ion: 75 Resp: 13907

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.6

