

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018716.D
 Acq On : 07 Oct 2020 02:19
 Operator : SY/MD
 Sample : L4287-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:26:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	263378	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	272443	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	122646	50.00	ug/L	0.00

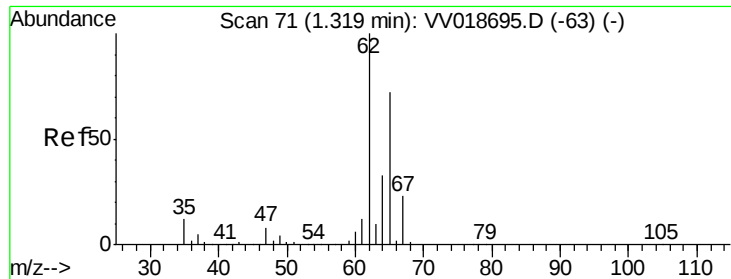
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	76692	49.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.30%
7) Chloroethane-d5	1.58	69	65306	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.26%
11) 1,1-Dichloroethene-d2	2.12	63	120247	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	3.91	46	105166	91.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.27%
24) Chloroform-d	4.38	84	158135	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.05	65	109520	51.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.30%
32) Benzene-d6	5.07	84	296961	43.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.06%
36) 1,2-Dichloropropane-d6	6.09	67	105662	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.34	98	261649	40.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.64	79	43107	38.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.54%
47) 2-Hexanone-d5	8.11	63	55038	69.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	69.49%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	113725	41.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	114268	48.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.90%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	17479	8.676 ug/L	93
12) 1,1-Dichloroethene	2.12	96	1392	0.847 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	3930	2.089 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	51792	25.904 ug/L	92
34) Trichloroethene	5.94	95	10747	4.625 ug/L	94
39) cis-1,3-Dichloropropene	7.01	75	3175	0.985 ug/L	90
46) Tetrachloroethene	8.00	164	7803	4.139 ug/L	94
48) 2-Hexanone	8.16	43	13270	6.418 ug/L #	79
59) 1,2,3-Trichloropropane	11.27	75	15211	6.090 ug/L	89

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



#5

Vinyl chloride

Concen: 8.676 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

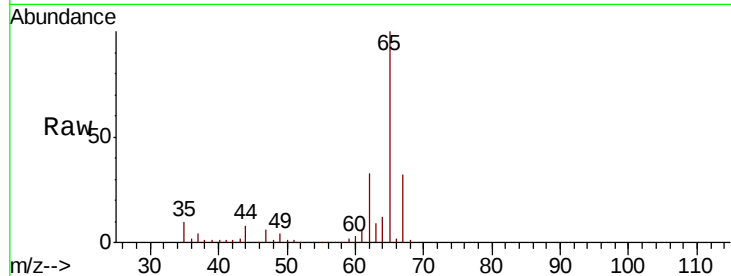
ClientSampleId :

Tot Ion: 62 Resp: 17479

Ion Ratio Lower Upper

62 100

64 36.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

20000

15000

10000

5000

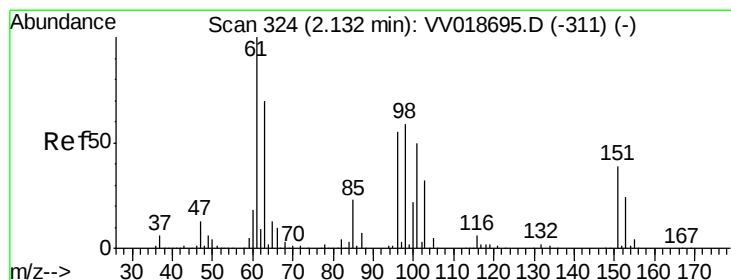
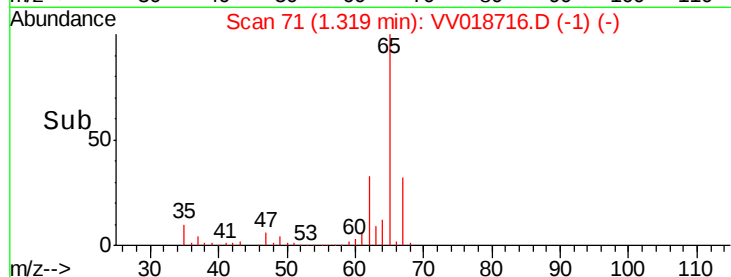
0

1.30

1.32

1.35

Time-->



#12

1,1-Dichloroethene

Concen: 0.847 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018716.D

Acq: 07 Oct 2020 02:19

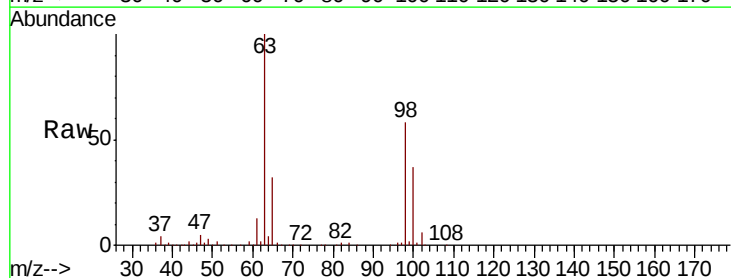
Tgt Ion: 96 Resp: 1392

Ion Ratio Lower Upper

96 100

61 1313.5 122.8 228.1#

63 10395.8 91.9 170.7#



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

100000

80000

60000

40000

20000

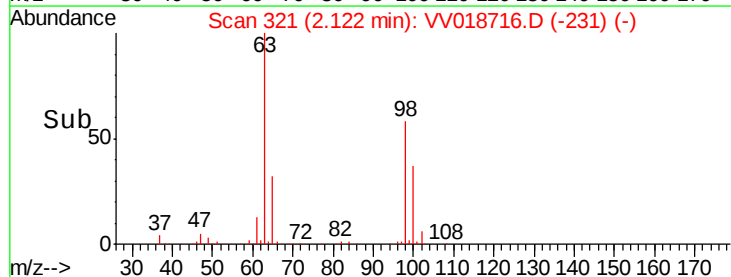
0

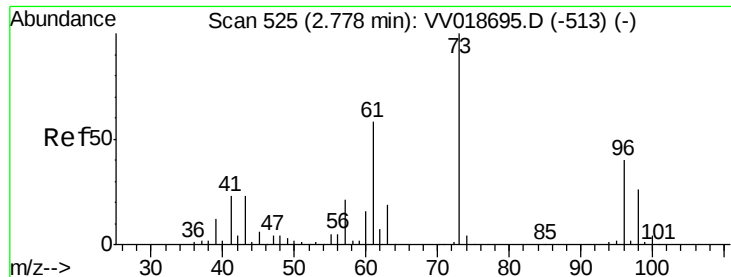
2.10

2.12

2.15

Time-->

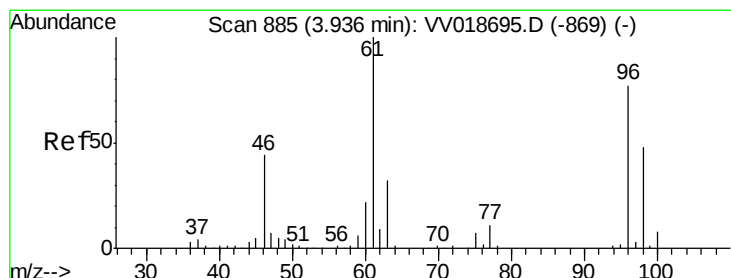
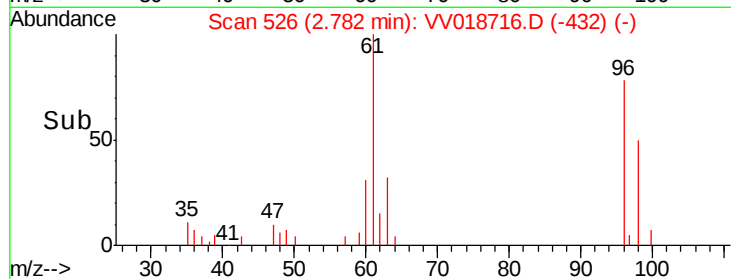
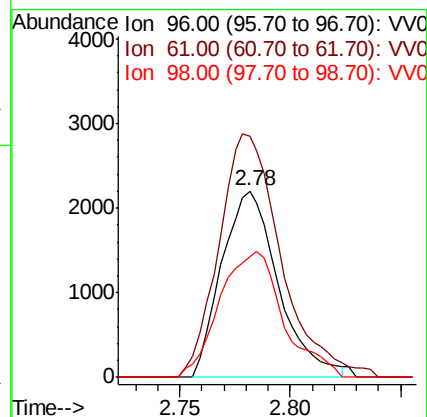
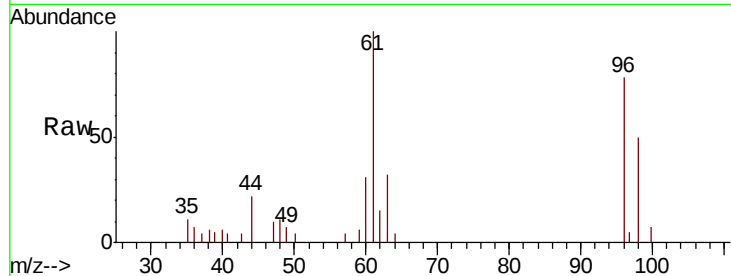




#17
trans-1,2-Dichloroethene
Concen: 2.089 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018716.D
Acq: 07 Oct 2020 02:19

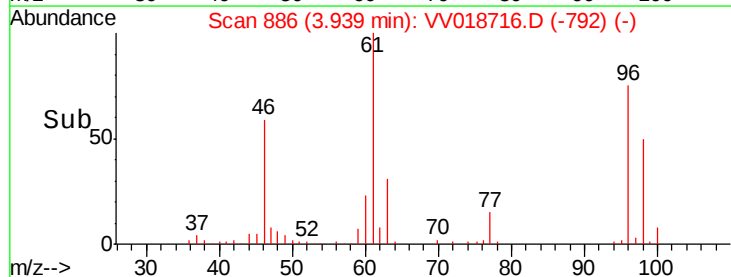
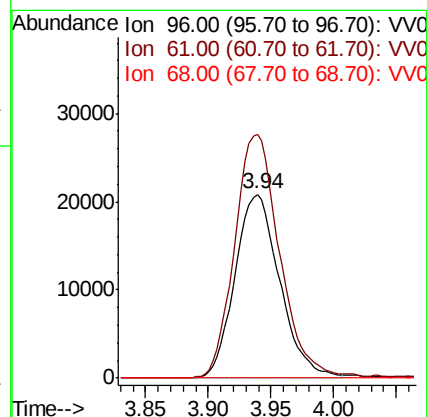
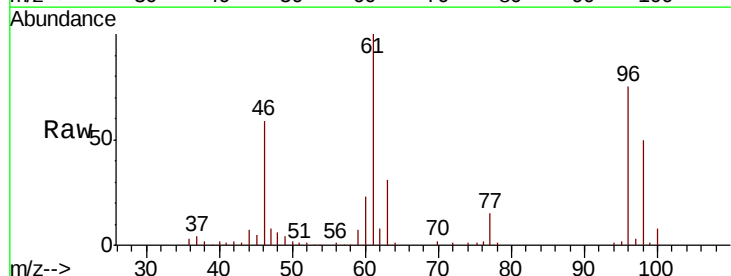
Instrument :
MSVOA_V
ClientSampleId :

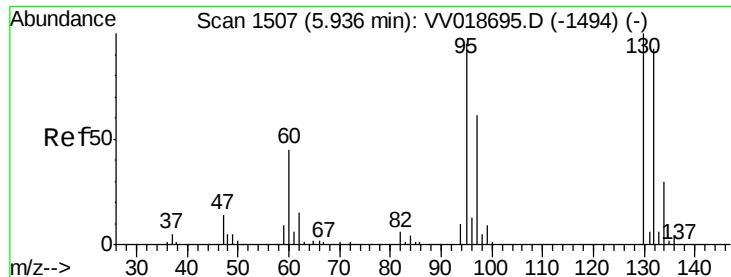
Tot Ion: 96 Resp: 3930
Ion Ratio Lower Upper
96 100
61 128.9 95.0 176.4
98 64.8 44.6 82.8



#20
cis-1,2-Dichloroethene
Concen: 25.904 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018716.D
Acq: 07 Oct 2020 02:19

Tgt Ion: 96 Resp: 51792
Ion Ratio Lower Upper
96 100
61 132.7 86.8 161.2
68 0.0 0.0 0.0

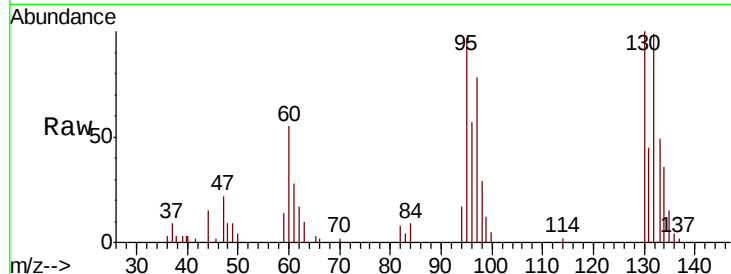




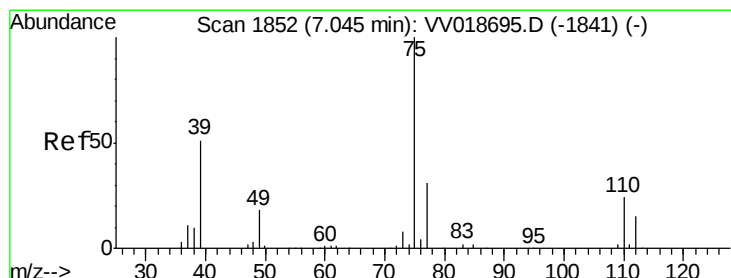
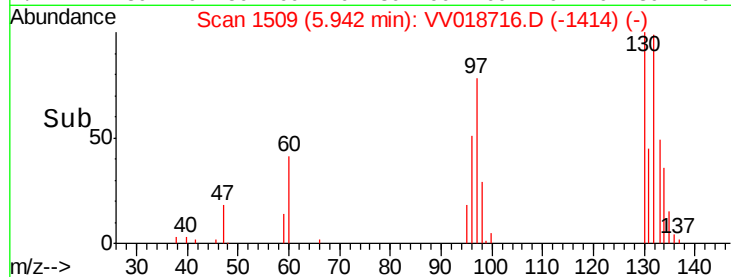
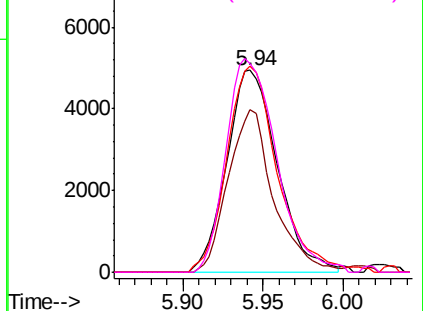
#34
 Trichloroethene
 Concen: 4.625 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018716.D
 Acq: 07 Oct 2020 02:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 10747
 Ion Ratio Lower Upper
 95 100
 97 80.3 45.9 85.3
 132 102.1 70.8 131.4
 130 103.0 75.3 139.8

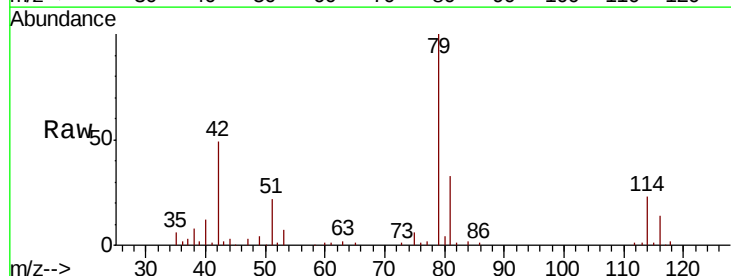


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

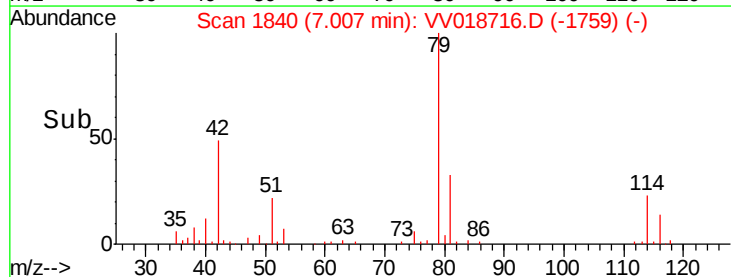
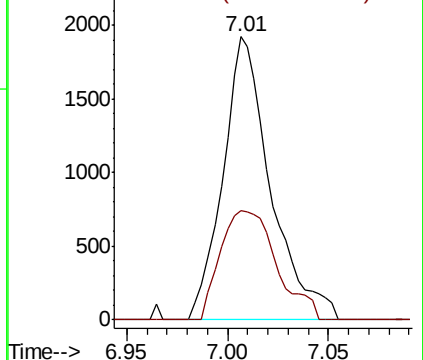


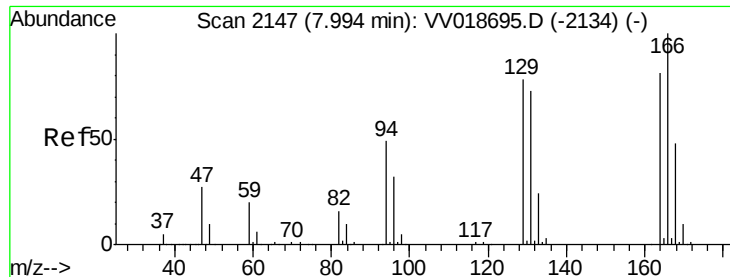
#39
 cis-1,3-Dichloropropene
 Concen: 0.985 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018716.D
 Acq: 07 Oct 2020 02:19

Tgt Ion: 75 Resp: 3175
 Ion Ratio Lower Upper
 75 100
 77 38.6 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 4.139 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018716.D

Acq: 07 Oct 2020 02:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 7803

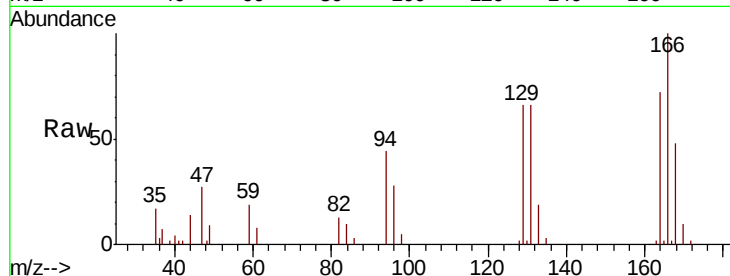
Ion Ratio Lower Upper

164 100

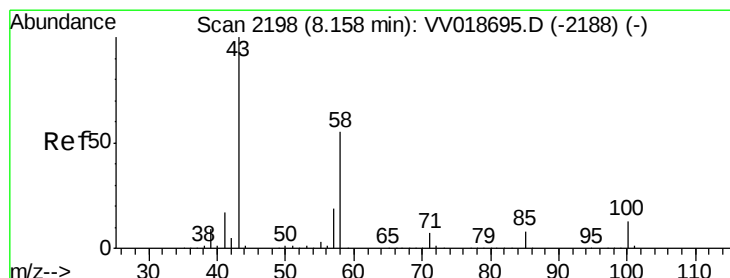
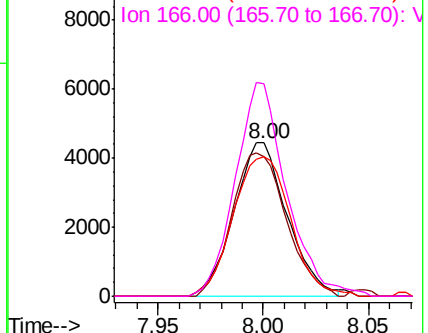
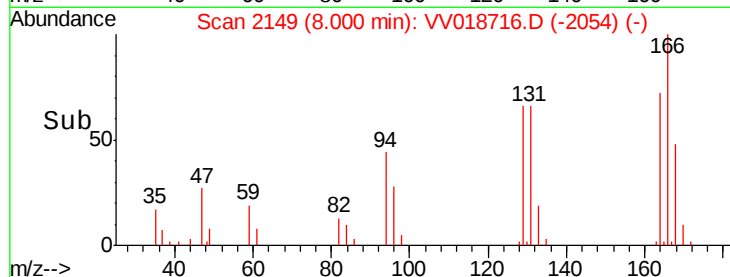
129 90.8 62.8 116.6

131 90.6 60.8 112.8

166 138.2 88.9 165.1



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 6.418 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018716.D

Acq: 07 Oct 2020 02:19

Tgt Ion: 43 Resp: 13270

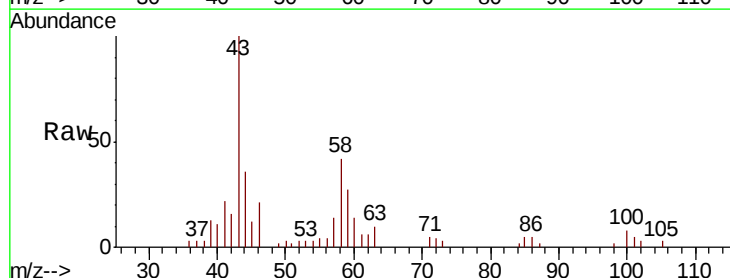
Ion Ratio Lower Upper

43 100

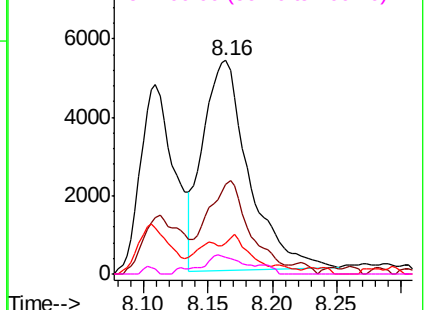
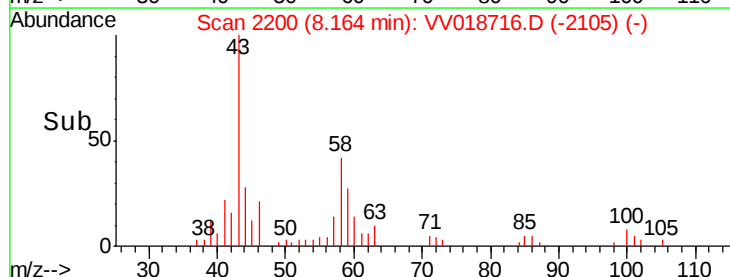
58 41.0 45.1 67.7#

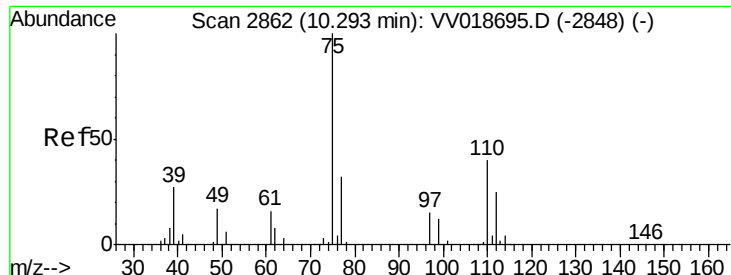
57 8.0 15.7 23.5#

100 6.6 11.0 16.4#



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





#59

1,2,3-Trichloropropane

Concen: 6.090 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018716.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 15211

Ion Ratio Lower Upper

75 100

77 38.0 25.4 38.0

