

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018841.D
 Acq On : 10 Oct 2020 18:35
 Operator : SY/MD
 Sample : L4289-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB6

Quant Time: Oct 12 04:53:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	300015	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	297795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	132158	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86912	31.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.76%
7) Chloroethane-d5	1.58	69	82153	37.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.88%
11) 1,1-Dichloroethene-d2	2.12	63	137567	26.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.36%#
21) 2-Butanone-d5	3.91	46	170751	102.01	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.01%
24) Chloroform-d	4.38	84	207144	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.14%
26) 1,2-Dichloroethane-d4	5.06	65	149533	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.74%
32) Benzene-d6	5.07	84	395679	41.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.58%
36) 1,2-Dichloropropane-d6	6.09	67	123490	39.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.04%
41) Toluene-d8	7.34	98	304150	35.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.50%#
43) trans-1,3-Dichloropropene-	7.64	79	51889	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.94%
47) 2-Hexanone-d5	8.11	63	86189	78.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.69%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	161700	44.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	141215	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%

Target Compounds

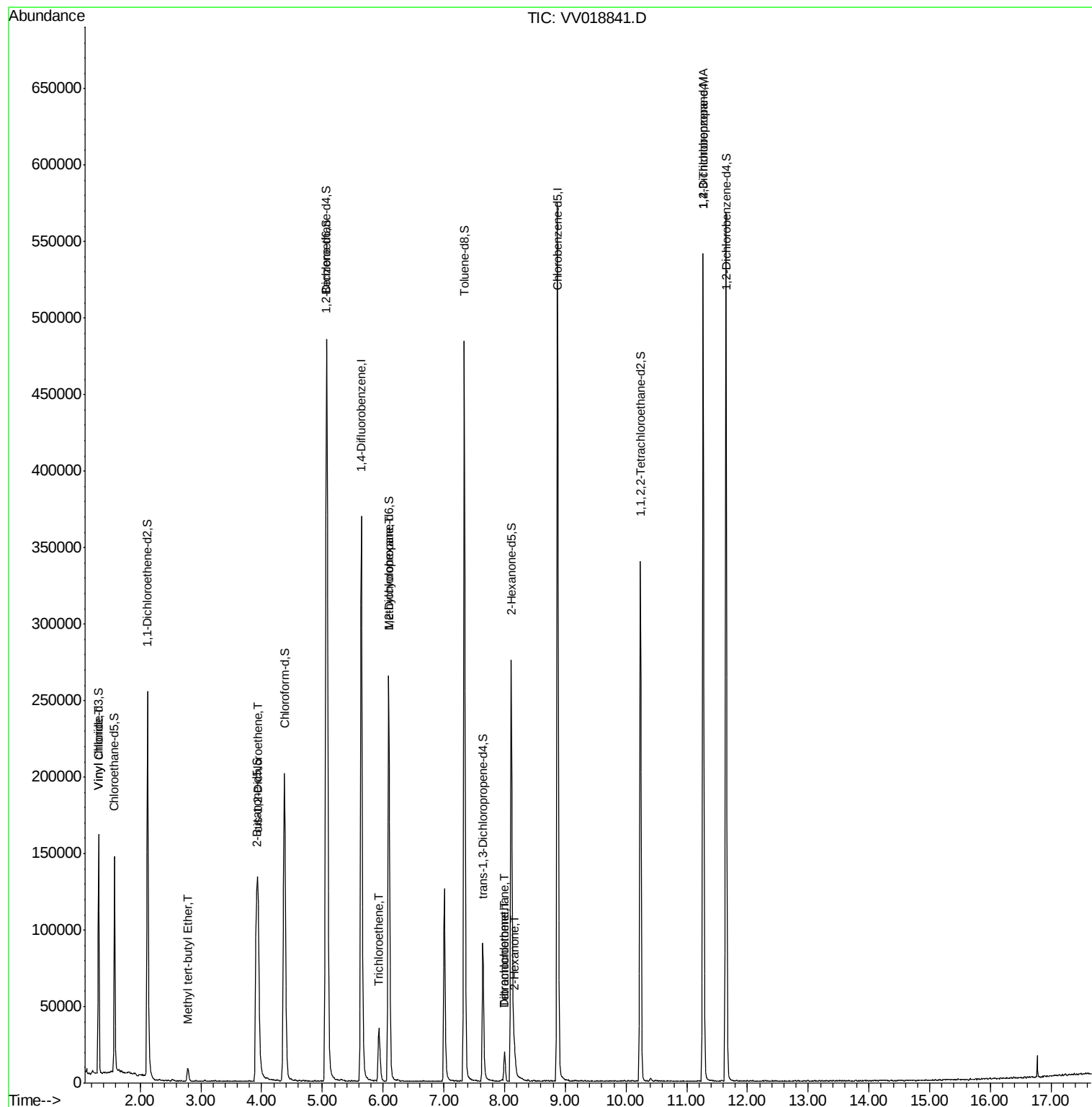
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	9381	3.541	ug/L #	74
18) Methyl tert-butyl Ether	2.79	73	6330	0.861	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	50200	21.672	ug/L	98
34) Trichloroethene	5.95	95	3804	1.399	ug/L	92
35) Methylcyclohexane	6.09	83	29274	8.799	ug/L #	16
46) Tetrachloroethene	8.00	164	4500	2.258	ug/L	94
48) 2-Hexanone	8.16	43	11608	4.360	ug/L #	81
49) Dibromochloromethane	8.00	129	3906	1.533	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	16097	5.213	ug/L	90

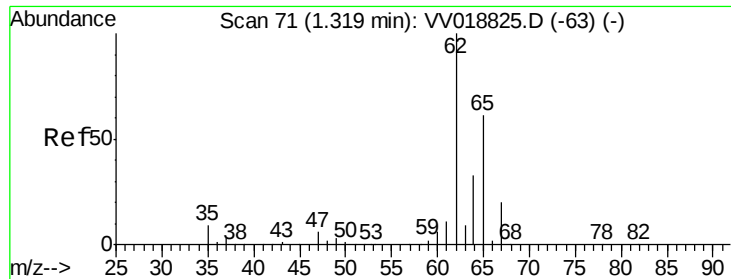
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 12 04:43:49 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.541 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018841.D

Acq: 10 Oct 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

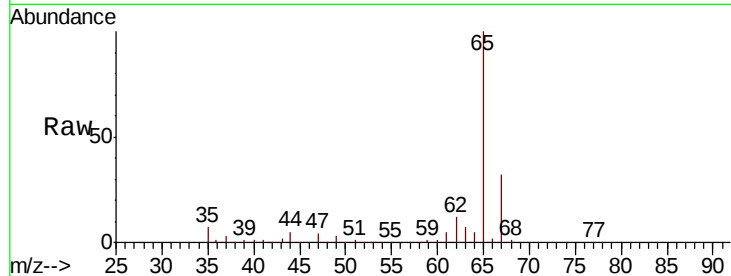
C0AB6

Tot Ion: 62 Resp: 9381

Ion Ratio Lower Upper

62 100

64 47.5 23.2 43.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

10000

8000

6000

4000

2000

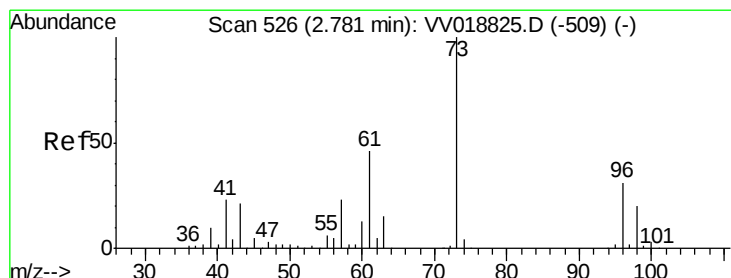
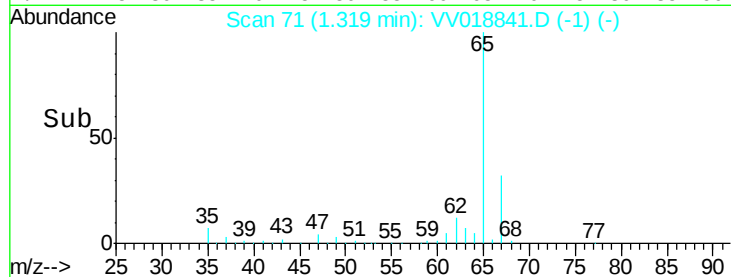
0

1.30

1.32

1.35

Time-->



#18

Methyl tert-butyl Ether

Concen: 0.861 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018841.D

Acq: 10 Oct 2020 18:35

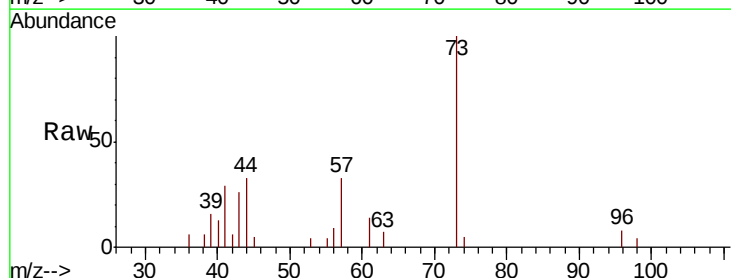
Tgt Ion: 73 Resp: 6330

Ion Ratio Lower Upper

73 100

43 24.6 17.3 25.9

57 26.0 18.5 27.7



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

4000

3000

2000

1000

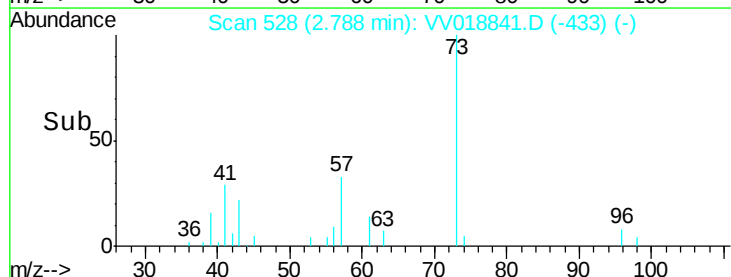
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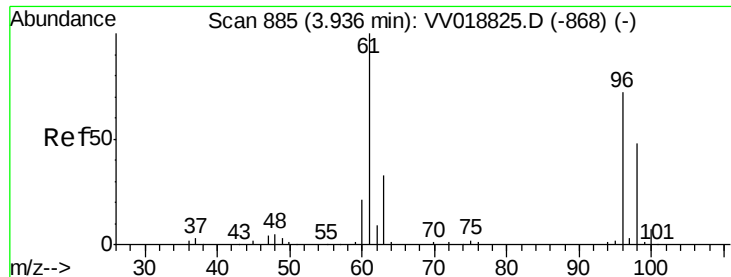
2.75

2.79

2.85

Time-->

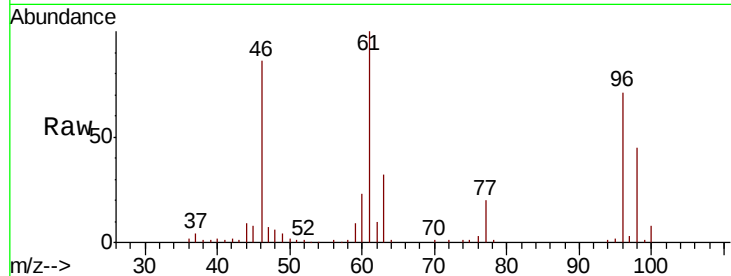




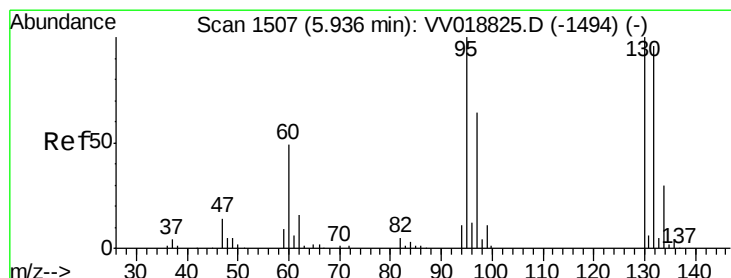
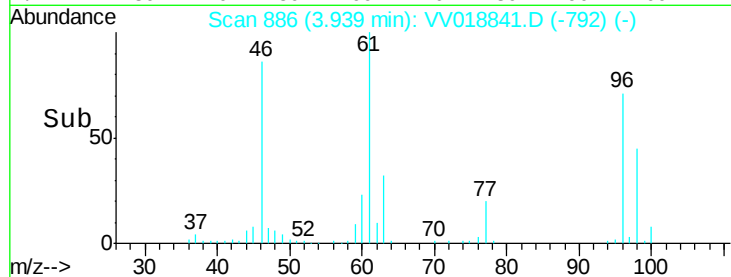
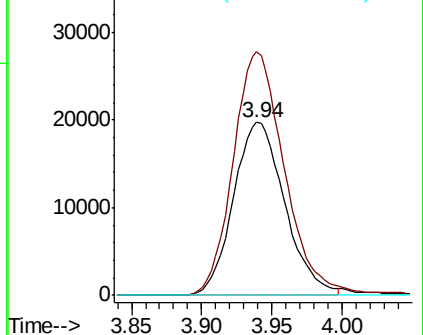
#20
 cis-1,2-Dichloroethene
 Concen: 21.672 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018841.D
 Acq: 10 Oct 2020 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB6

Tot Ion: 96 Resp: 50200
 Ion Ratio Lower Upper
 96 100
 61 141.0 97.3 180.7
 68 0.0 0.0 0.0

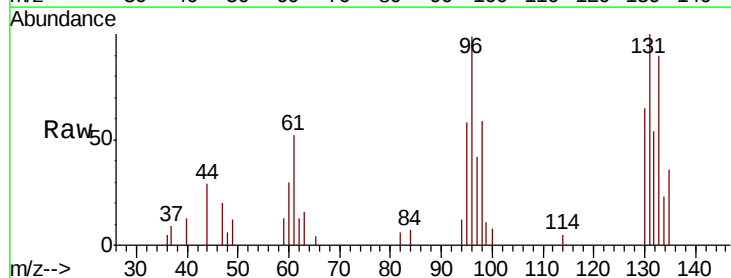


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

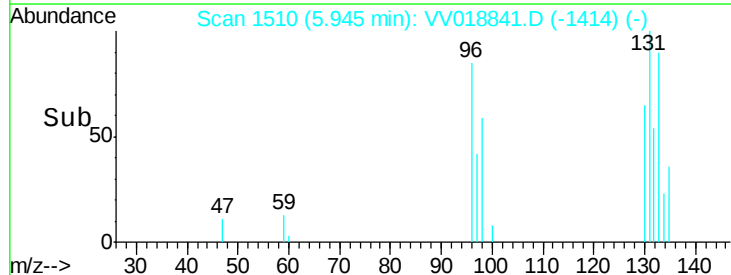
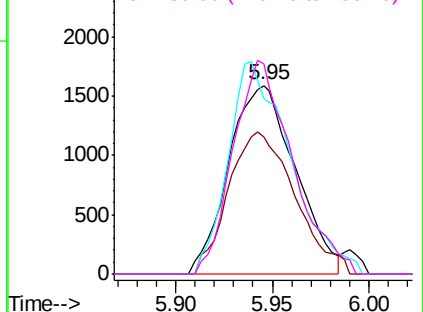


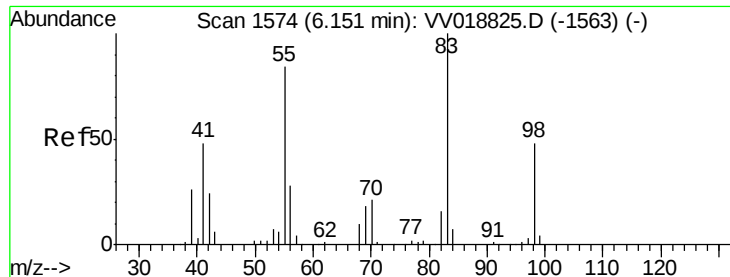
#34
 Trichloroethene
 Concen: 1.399 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV018841.D
 Acq: 10 Oct 2020 18:35

Tgt Ion: 95 Resp: 3804
 Ion Ratio Lower Upper
 95 100
 97 72.7 45.1 83.9
 132 93.0 66.2 123.0
 130 111.7 69.1 128.3



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

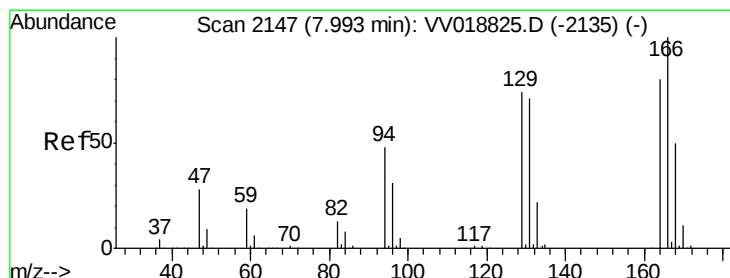
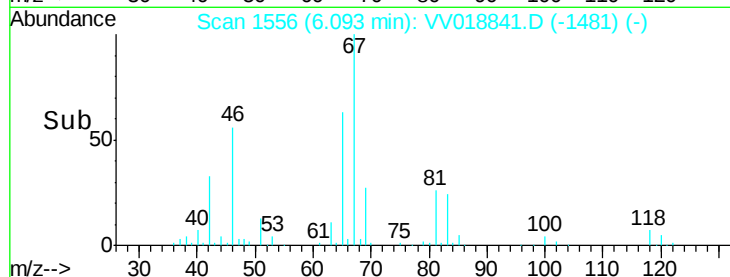
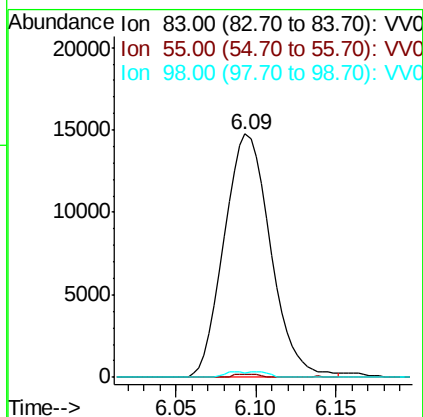
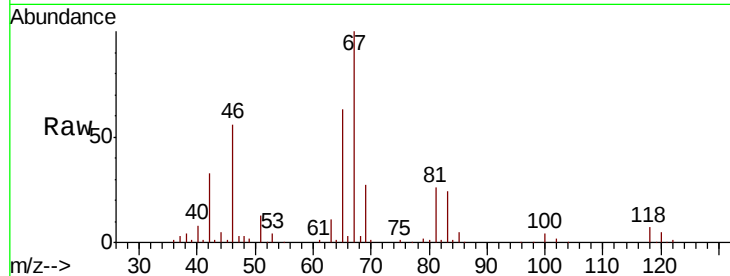




#35
Methvlcvclohexane
Concen: 8.799 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018841.D
Acq: 10 Oct 2020 18:35

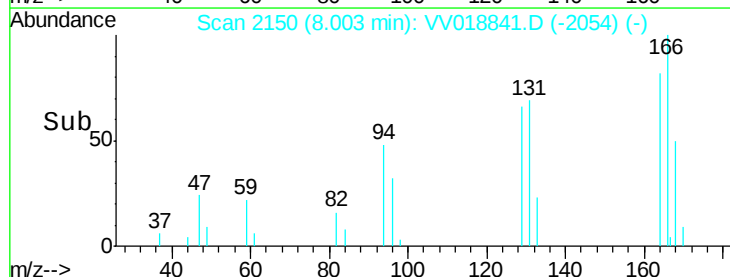
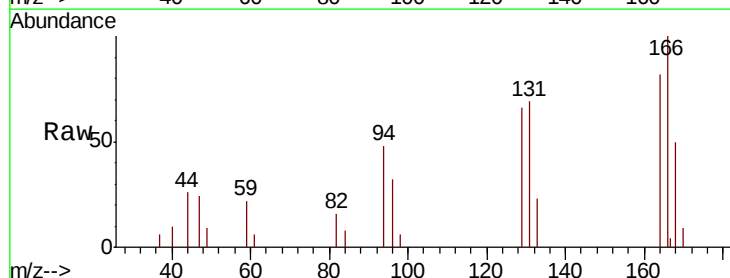
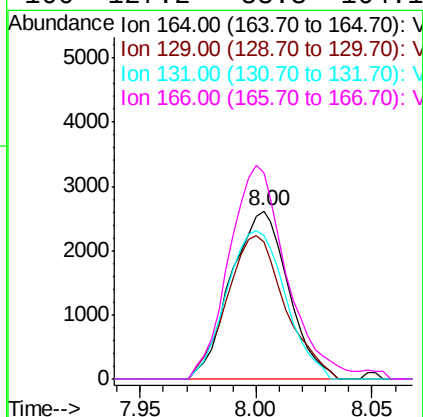
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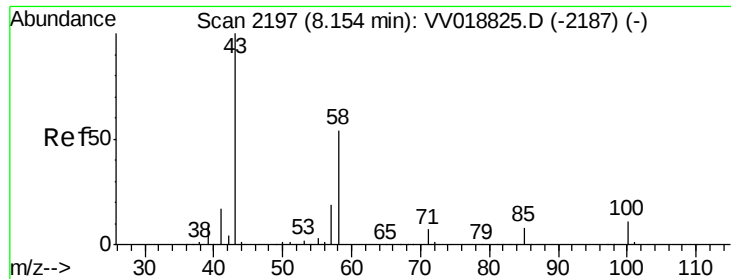
Tot Ion: 83 Resp: 29274
Ion Ratio Lower Upper
83 100
55 0.7 67.0 100.4#
98 1.0 38.8 58.2#



#46
Tetrachloroethene
Concen: 2.258 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. 0.01 min
Lab File: VV018841.D
Acq: 10 Oct 2020 18:35

Tgt Ion:164 Resp: 4500
Ion Ratio Lower Upper
164 100
129 81.5 64.6 120.0
131 85.0 63.6 118.0
166 127.2 88.3 164.1

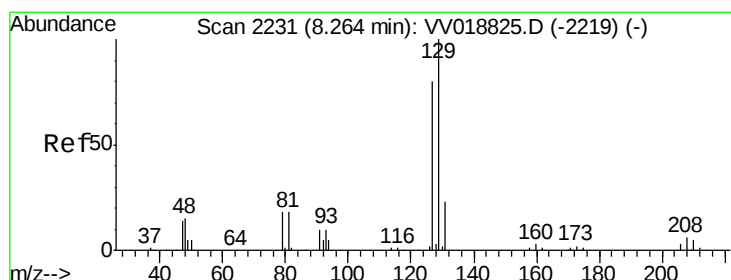
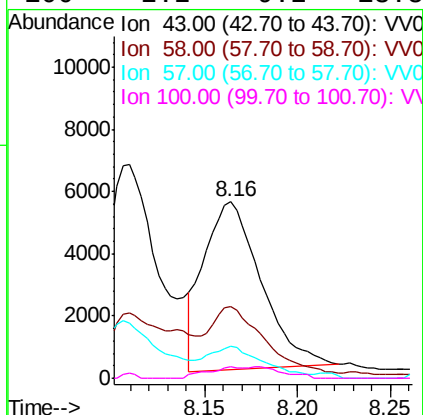
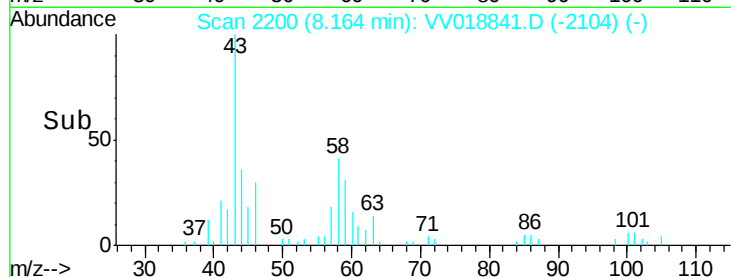
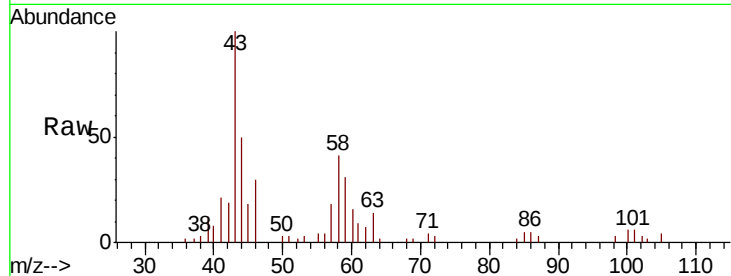




#48
2-Hexanone
Concen: 4.360 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018841.D
Acq: 10 Oct 2020 18:35

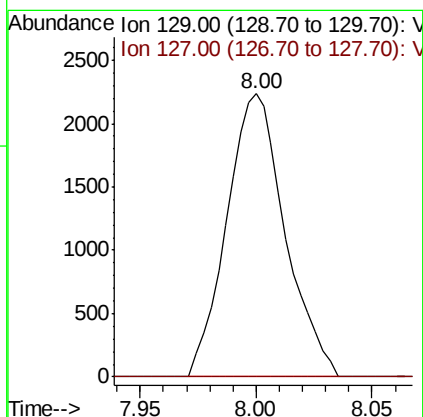
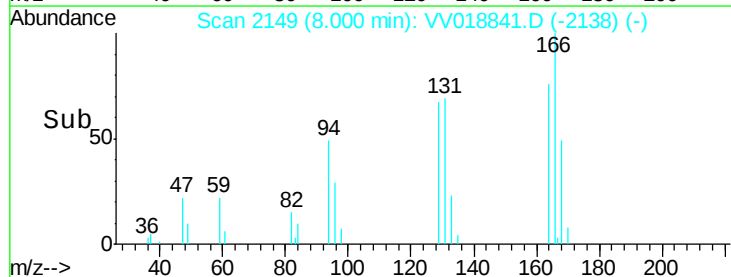
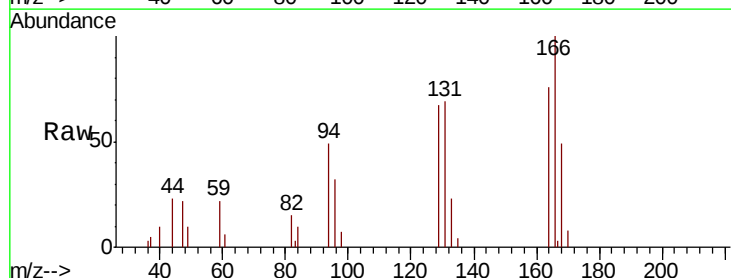
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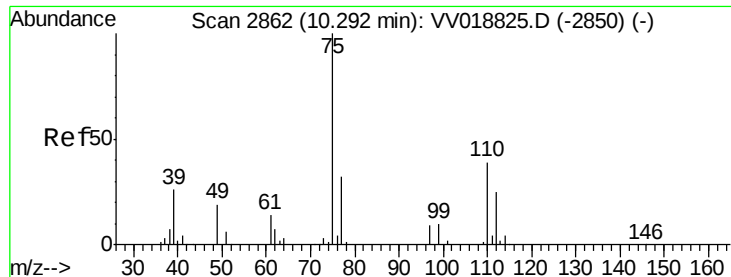
Tot Ion: 43 Resp: 11608
Ion Ratio Lower Upper
43 100
58 35.5 41.8 62.8#
57 18.6 14.9 22.3
100 2.2 9.2 13.8#



#49
Dibromochloromethane
Concen: 1.533 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.26 min
Lab File: VV018841.D
Acq: 10 Oct 2020 18:35

Tgt Ion: 129 Resp: 3906
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#





#59

1,2,3-Trichloropropane

Concen: 5.213 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018841.D

Acq: 10 Oct 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

C0AB6

Tot Ion: 75 Resp: 16097

Ion Ratio Lower Upper

75 100

77 38.1 25.9 38.9

