

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018837.D
 Acq On : 10 Oct 2020 17:00
 Operator : SY/MD
 Sample : L4287-20
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK6

Quant Time: Oct 12 04:52:25 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	304925	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	284375	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	135808	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90479	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.32%
7) Chloroethane-d5	1.58	69	84663	37.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.92%
11) 1,1-Dichloroethene-d2	2.12	63	140672	26.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.68%#
21) 2-Butanone-d5	3.91	46	175056	102.90	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.90%
24) Chloroform-d	4.38	84	197696	40.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.88%
26) 1,2-Dichloroethane-d4	5.06	65	140362	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.72%
32) Benzene-d6	5.08	84	360070	39.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.68%
36) 1,2-Dichloropropane-d6	6.09	67	130930	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.76%
41) Toluene-d8	7.34	98	305502	37.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.20%#
43) trans-1,3-Dichloropropene-	7.64	79	51650	35.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.82%
47) 2-Hexanone-d5	8.11	63	84943	81.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	164820	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	138750	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%

Target Compounds

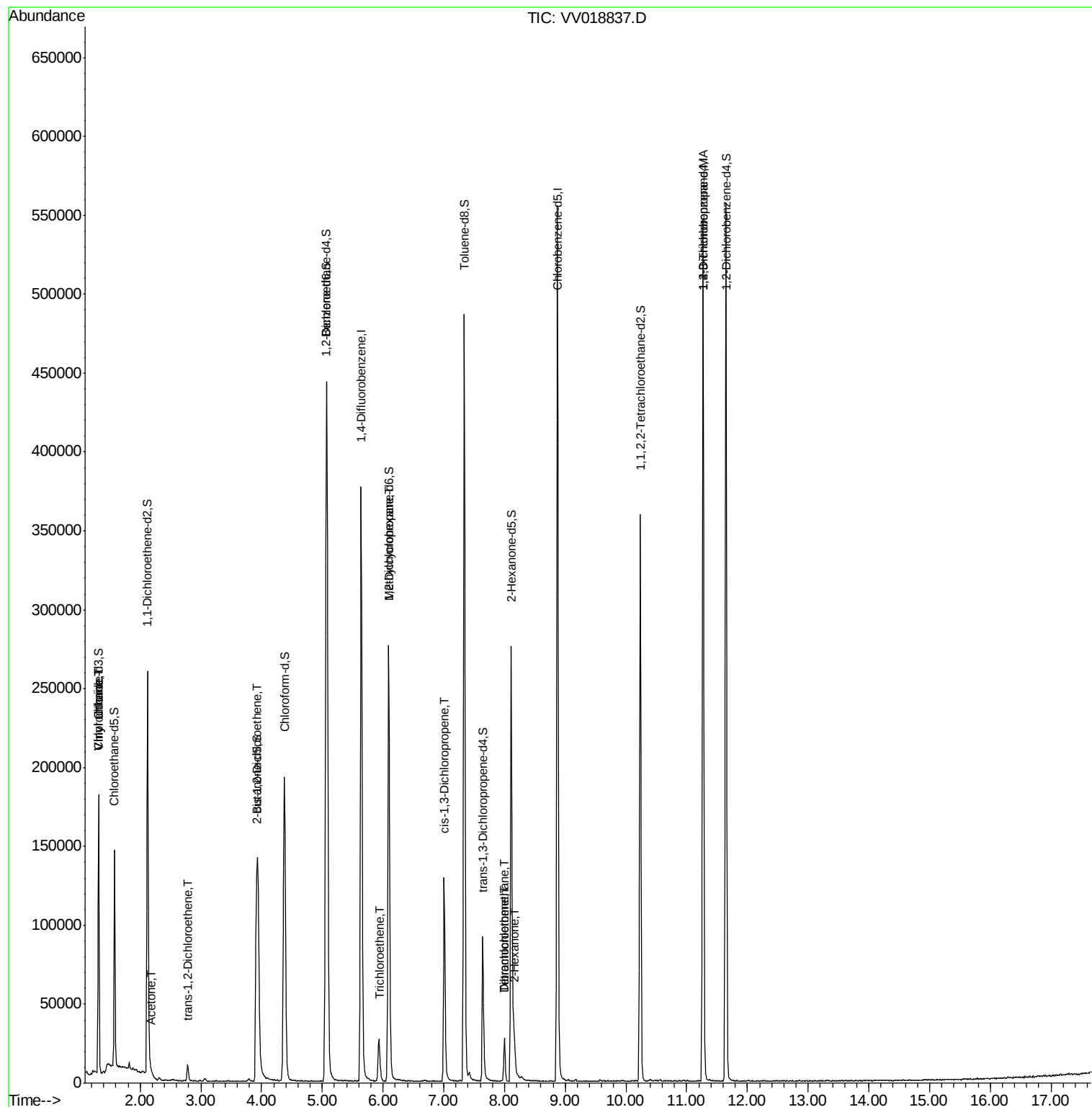
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	20146	7.483	ug/L	96
8) Chloroethane	1.32	64	7848	4.452	ug/L	96
13) Acetone	2.19	43	4114	2.901	ug/L	74
17) trans-1,2-Dichloroethene	2.78	96	3462	1.554	ug/L	85
20) cis-1,2-Dichloroethene	3.94	96	49954	21.219	ug/L	97
34) Trichloroethene	5.95	95	2264	0.872	ug/L	89
35) Methylcyclohexane	6.09	83	30771	9.685	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	3385	0.967	ug/L #	60
46) Tetrachloroethene	8.00	164	6350	3.337	ug/L	95
48) 2-Hexanone	8.16	43	12375	4.867	ug/L #	91
49) Dibromochloromethane	8.00	129	5567	2.288	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	16046	5.441	ug/L	89

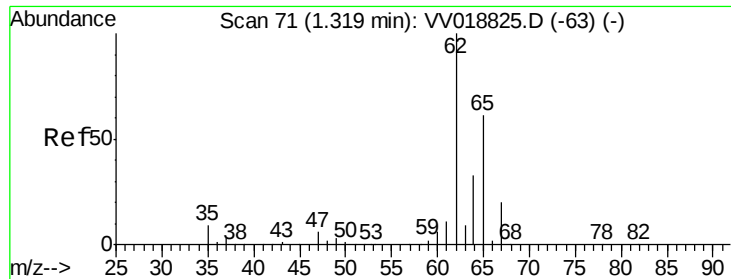
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 7.483 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

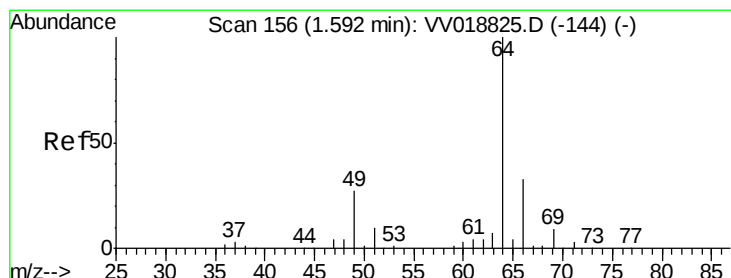
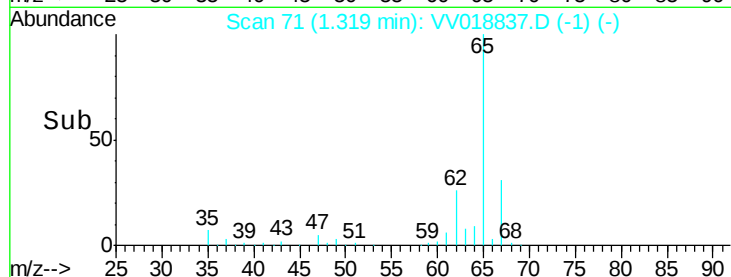
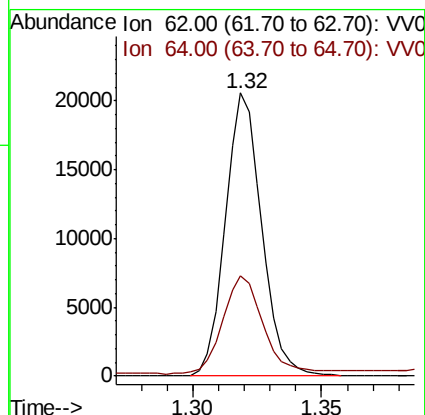
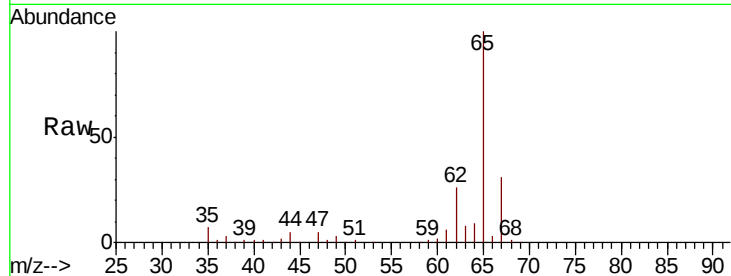
C0AK6

Tot Ion: 62 Resp: 20146

Ion Ratio Lower Upper

62 100

64 35.3 23.2 43.0



#8

Chloroethane

Concen: 4.452 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV018837.D

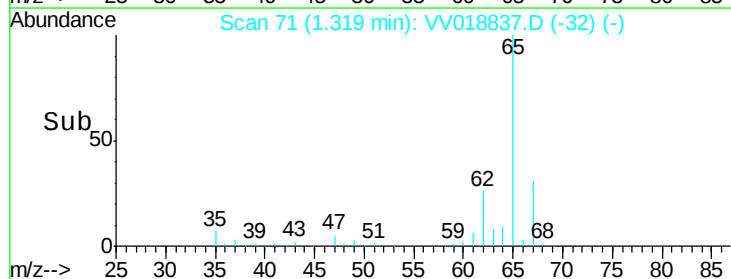
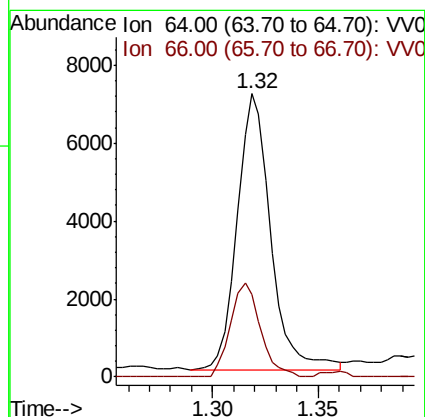
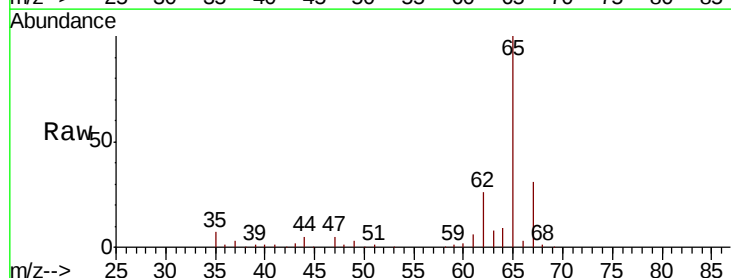
Acq: 10 Oct 2020 17:00

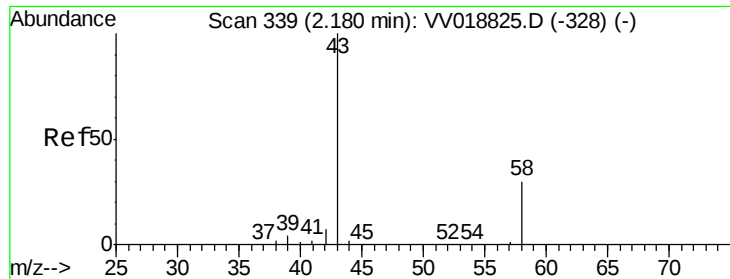
Tgt Ion: 64 Resp: 7848

Ion Ratio Lower Upper

64 100

66 29.0 21.7 40.3





#13

Acetone

Concen: 2.901 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Instrument :

MSVOA_V

ClientSampled :

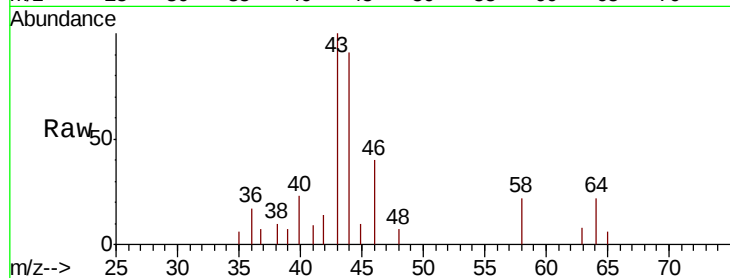
C0AK6

Tot Ion: 43 Resp: 4114

Ion Ratio Lower Upper

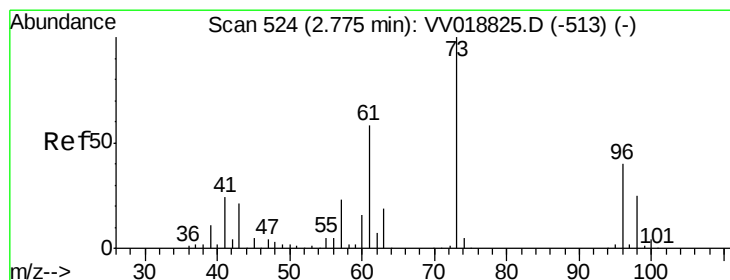
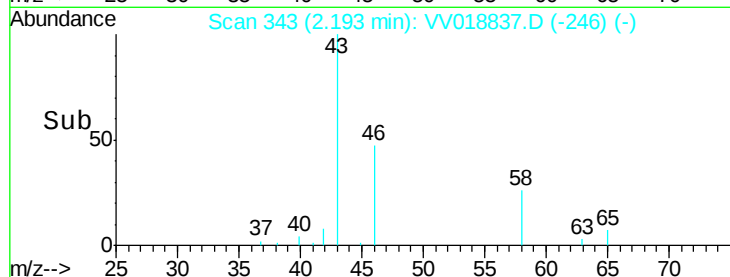
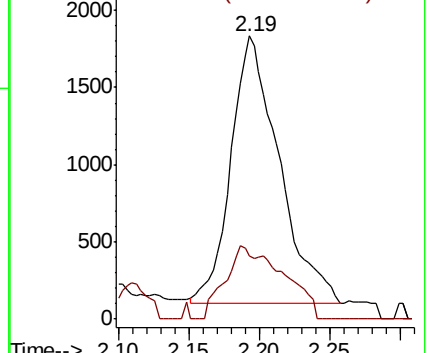
43 100

58 16.0 0.0 61.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 1.554 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

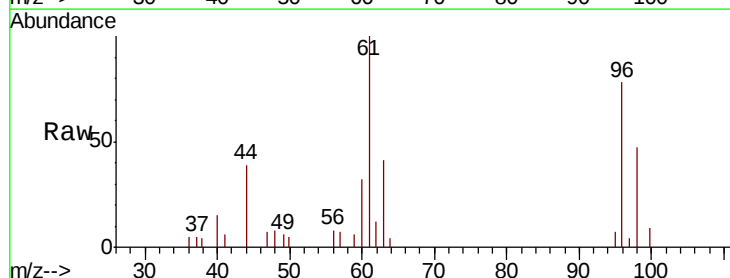
Tgt Ion: 96 Resp: 3462

Ion Ratio Lower Upper

96 100

61 127.5 105.7 196.3

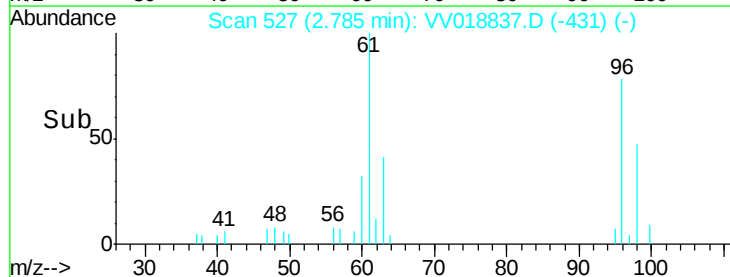
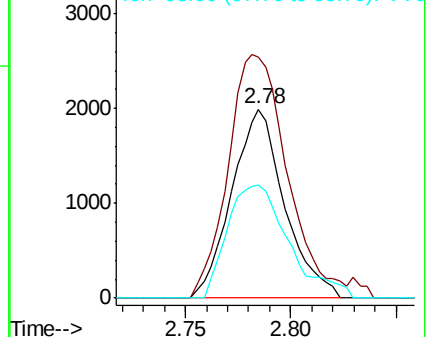
98 59.7 44.7 83.1

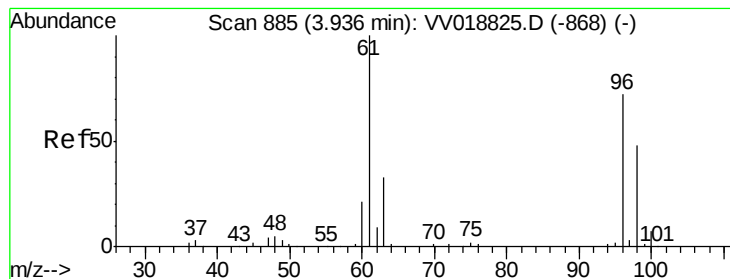


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 21.219 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

C0AK6

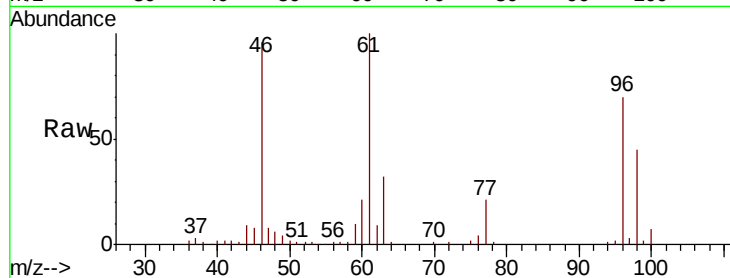
Tot Ion: 96 Resp: 49954

Ion Ratio Lower Upper

96 100

61 142.3 97.3 180.7

68 0.0 0.0 0.0

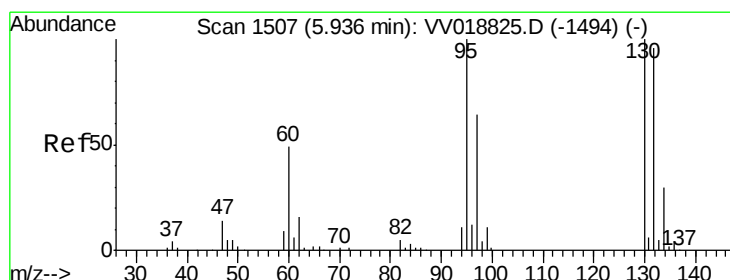
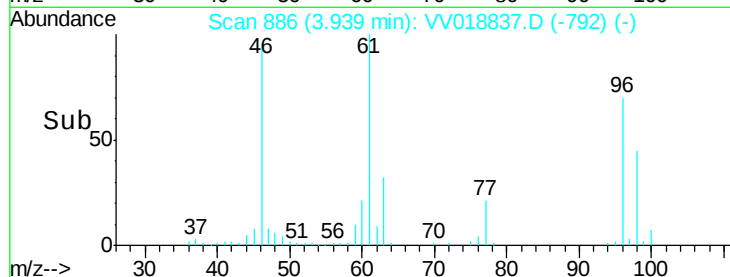
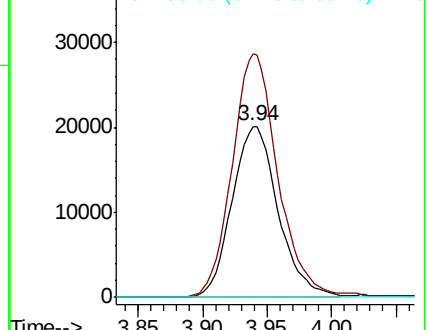


Abundance

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: 0.872 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Tgt Ion: 95 Resp: 2264

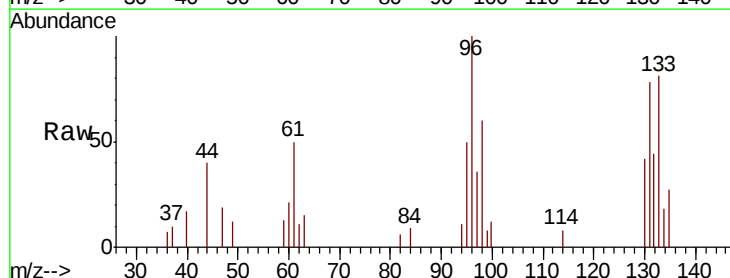
Ion Ratio Lower Upper

95 100

97 71.3 45.1 83.9

132 87.0 66.2 123.0

130 84.0 69.1 128.3



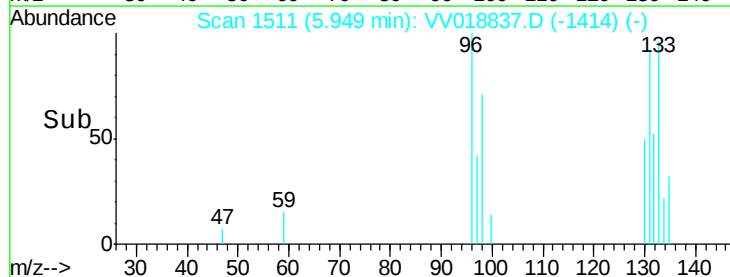
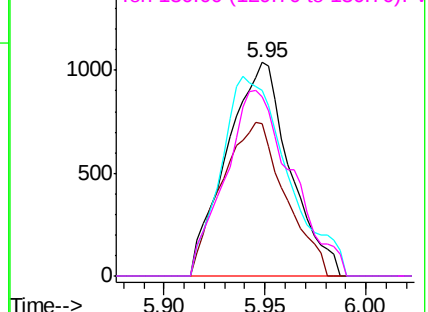
Abundance

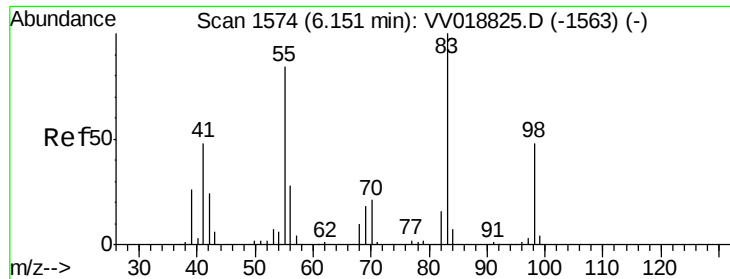
Ion 95.00 (94.70 to 95.70): VV0

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

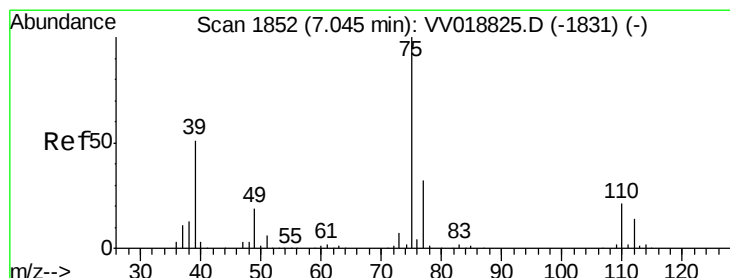
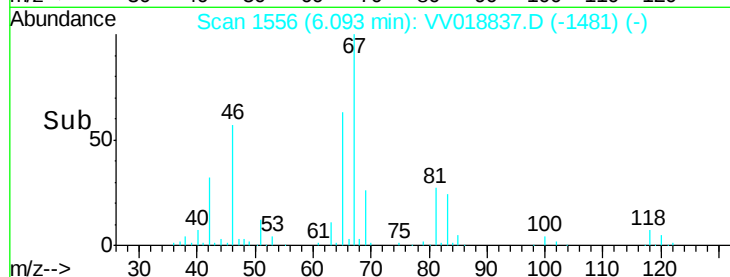
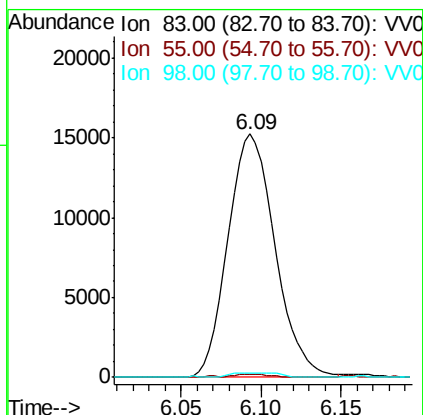
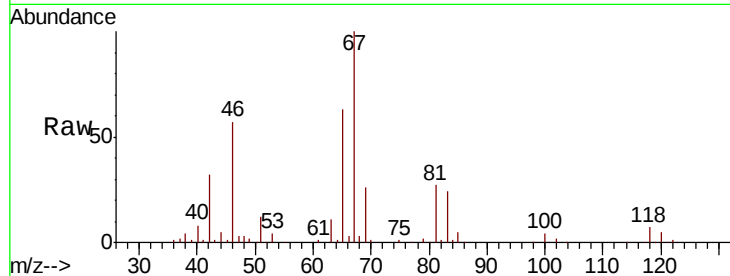




#35
Methvlcvclohexane
Concen: 9.685 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018837.D
Acq: 10 Oct 2020 17:00

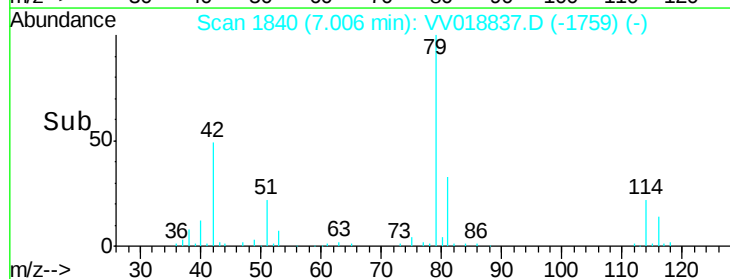
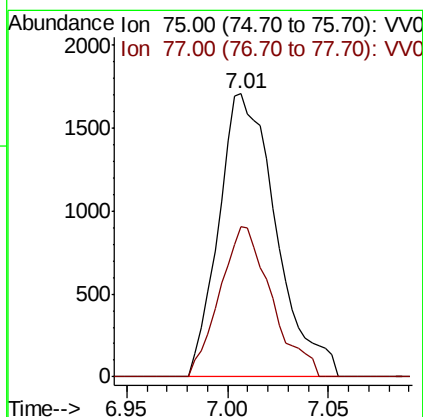
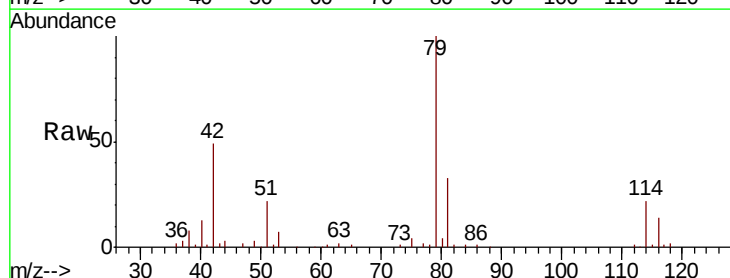
Instrument :
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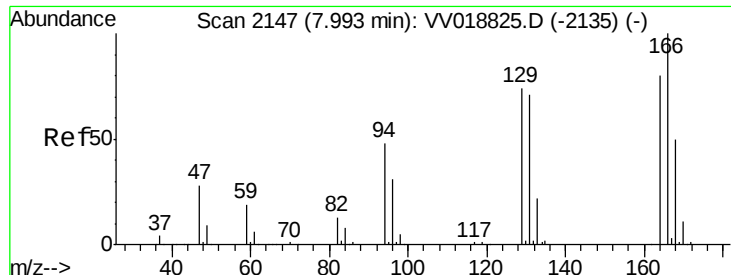
Tot Ion: 83 Resp: 30771
Ion Ratio Lower Upper
83 100
55 1.0 67.0 100.4#
98 1.3 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.967 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018837.D
Acq: 10 Oct 2020 17:00

Tgt Ion: 75 Resp: 3385
Ion Ratio Lower Upper
75 100
77 53.3 21.8 40.6#





#46

Tetrachloroethene

Concen: 3.337 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

C0AK6

Tot Ion:164 Resp: 6350

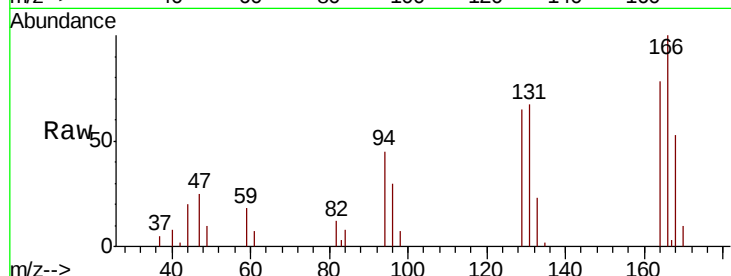
Ion Ratio Lower Upper

164 100

129 83.0 64.6 120.0

131 85.6 63.6 118.0

166 127.5 88.3 164.1

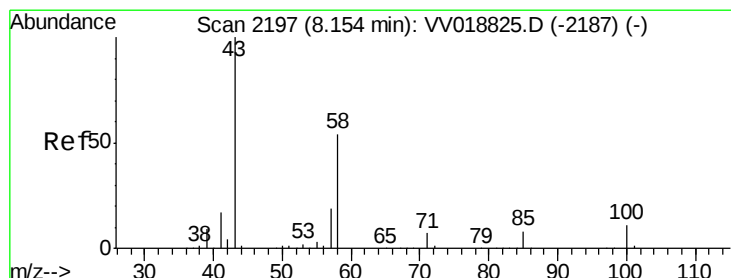
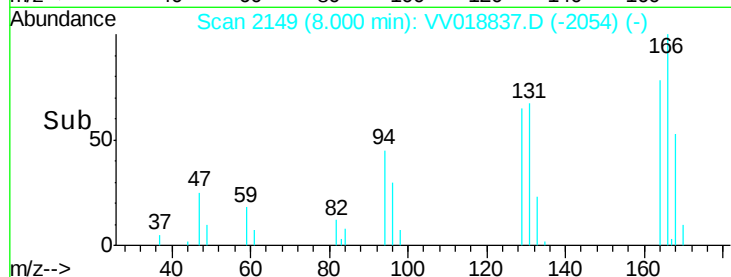
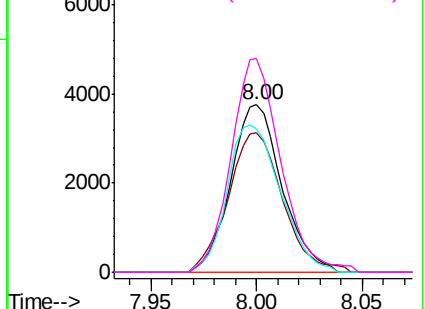


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.867 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Tgt Ion: 43 Resp: 12375

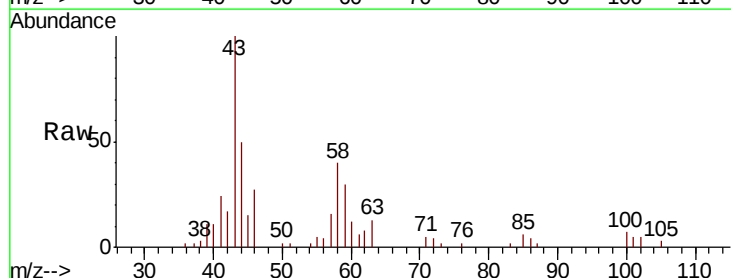
Ion Ratio Lower Upper

43 100

58 45.8 41.8 62.8

57 14.6 14.9 22.3#

100 8.8 9.2 13.8#

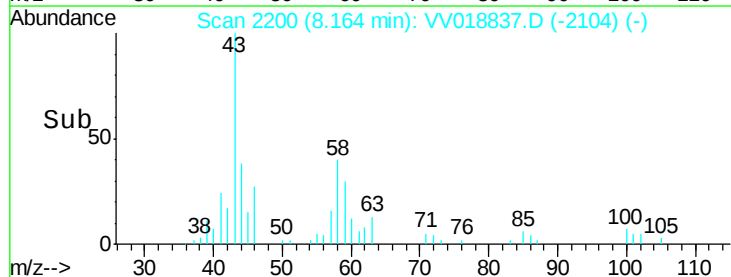
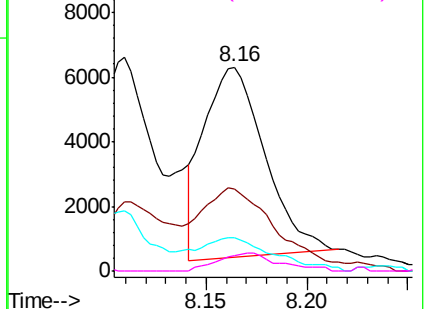


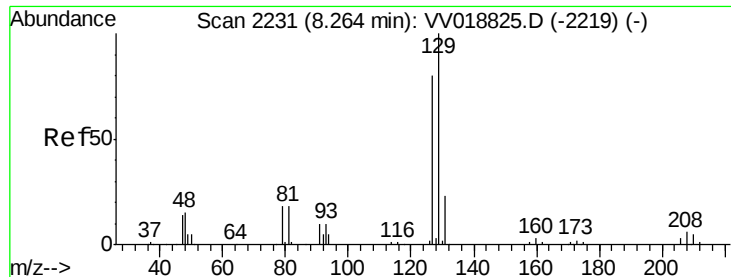
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#49

Dibromochloromethane

Concen: 2.288 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.26 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

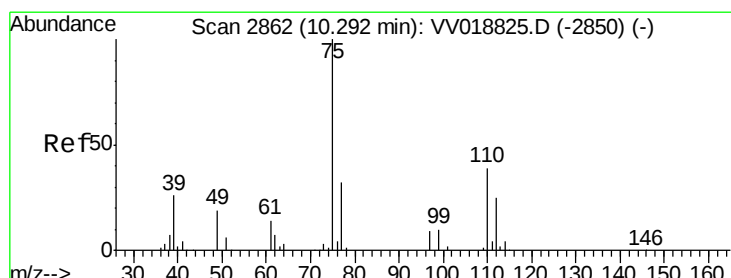
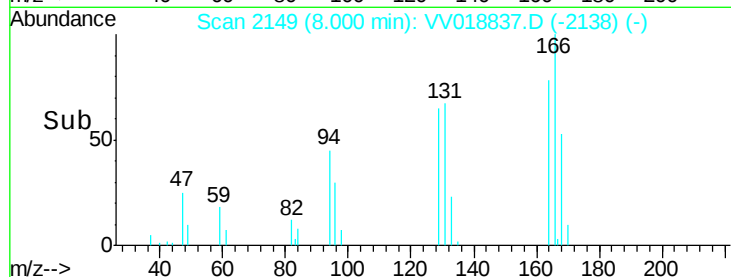
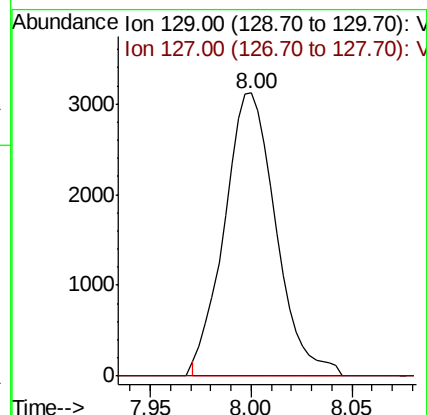
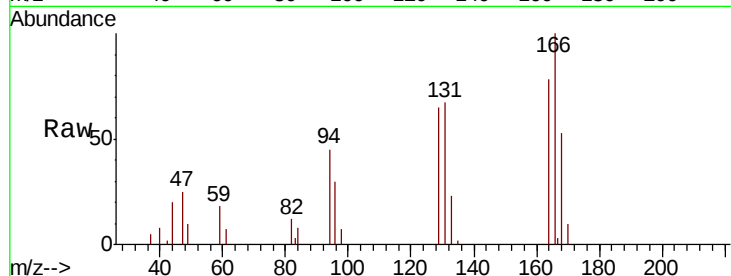
C0AK6

Tot Ion:129 Resp: 5567

Ion Ratio Lower Upper

129 100

127 0.0 55.3 102.7#



#59

1,2,3-Trichloropropane

Concen: 5.441 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018837.D

Acq: 10 Oct 2020 17:00

Tgt Ion: 75 Resp: 16046

Ion Ratio Lower Upper

75 100

77 38.7 25.9 38.9

