

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016045.D
 Acq On : 13 May 2020 16:52
 Operator : SY/MD
 Sample : L2542-02DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	154032	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	154782	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	70395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43320	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	39827	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.13	63	64969	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.94	46	109832	46.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.16%
24) Chloroform-d	4.38	84	88624	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.06	65	48502	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.08	84	169016	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.10	67	51207	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	148877	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
45) trans-1,3-Dichloropropene-	7.65	79	17452	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
48) 2-Hexanone-d5	8.12	63	84217	43.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36738	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	54622	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

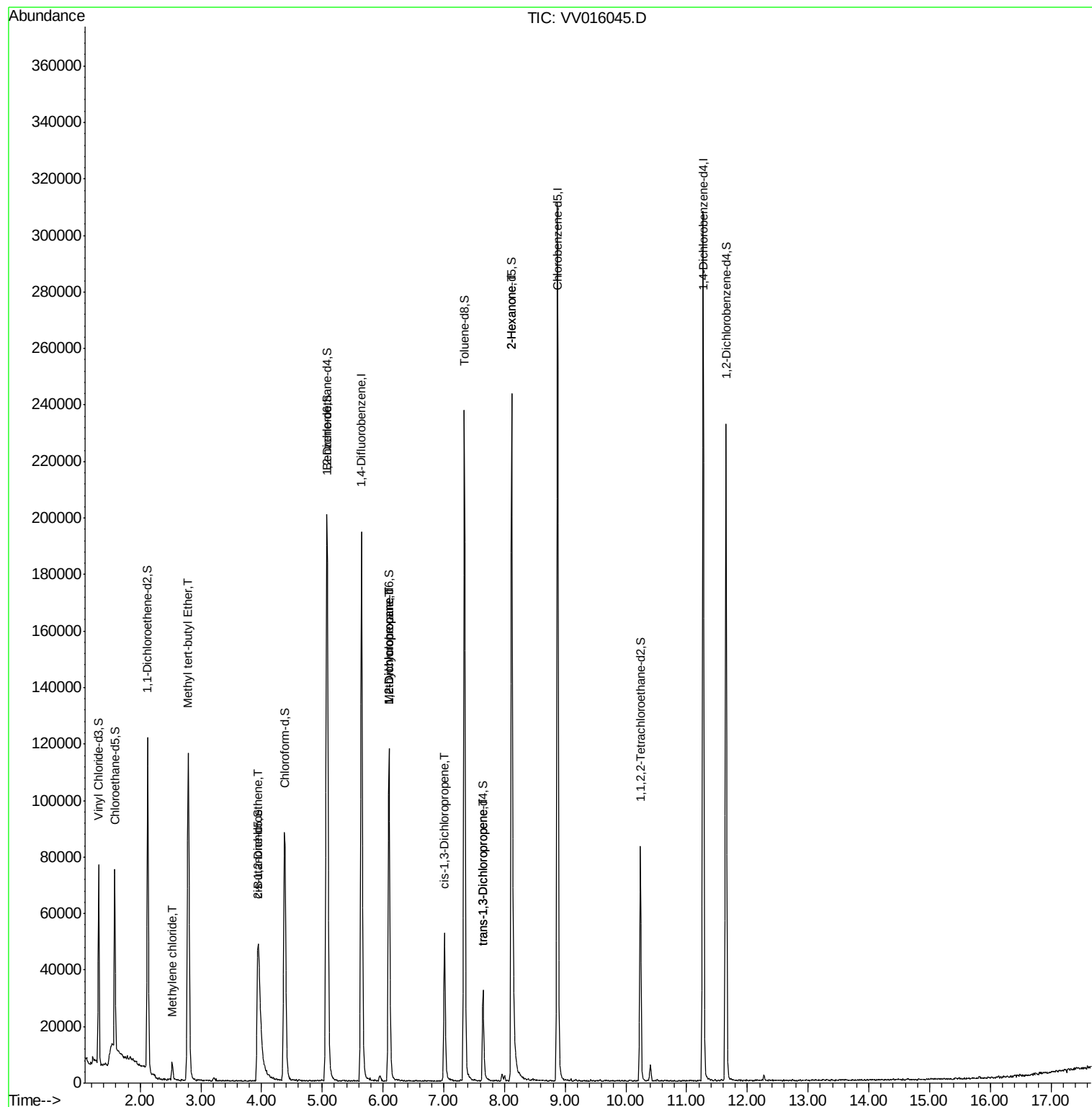
					Ovalue
16) Methylene chloride	2.53	84	2346	0.231 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	112183	5.093 ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	1059	0.108 ug/L	88
35) Methylcyclohexane	6.10	83	12971	0.771 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6348	0.642 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	1602	0.115 ug/L #	67
46) trans-1,3-Dichloropropene	7.64	75	868	0.073 ug/L	93
50) 2-Hexanone	8.12	43	14486	3.322 ug/L #	77

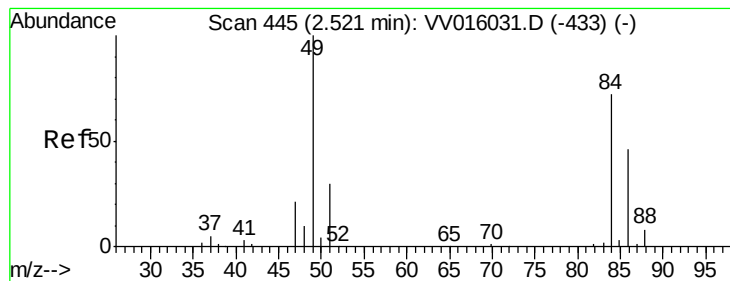
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 14 02:25:38 2020
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.231 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV016045.D

Acq: 13 May 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

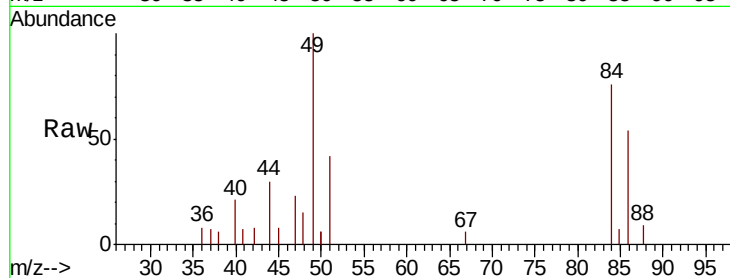
Tot Ion: 84 Resp: 2346

Ion Ratio Lower Upper

84 100

86 70.6 45.6 84.8

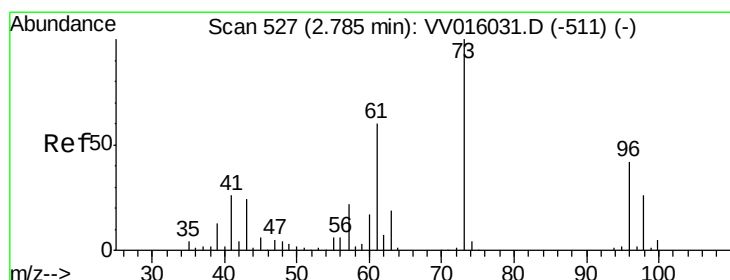
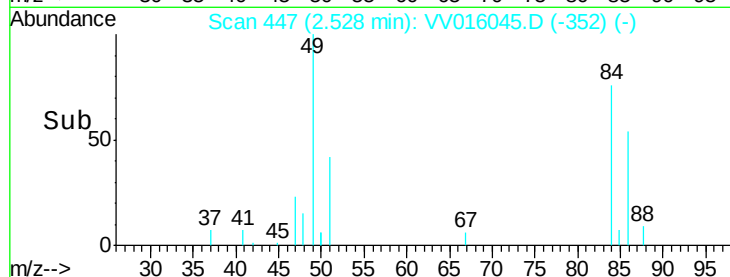
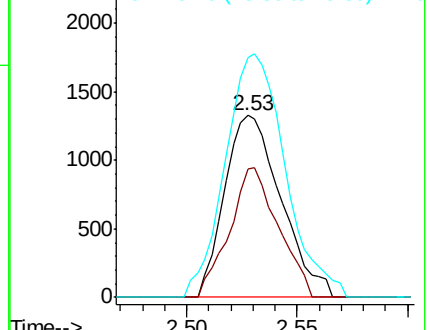
49 131.7 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 5.093 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV016045.D

Acq: 13 May 2020 16:52

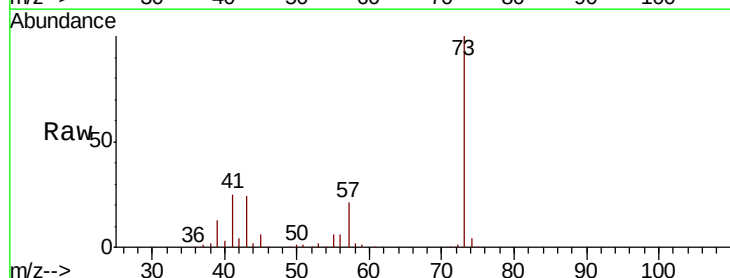
Tgt Ion: 73 Resp: 112183

Ion Ratio Lower Upper

73 100

43 23.9 18.8 28.2

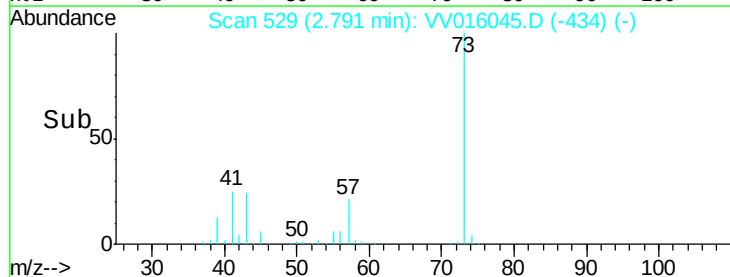
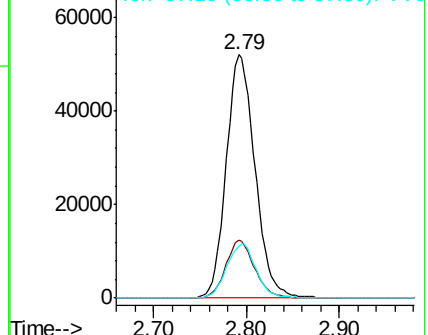
57 22.9 17.8 26.6

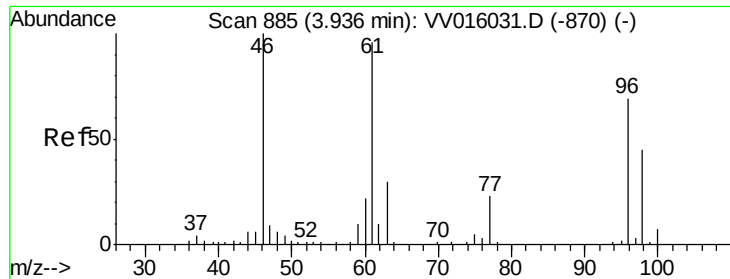


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.108 ug/L

RT: 3.95 min Scan# 890

Delta R.T. 0.02 min

Lab File: VV016045.D

Acq: 13 May 2020 16:52

Instrument :
MSVOA_V
ClientSampleId :

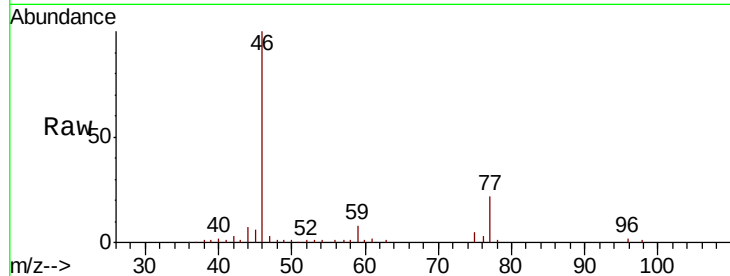
Tot Ion: 96 Resp: 1059

Ion Ratio Lower Upper

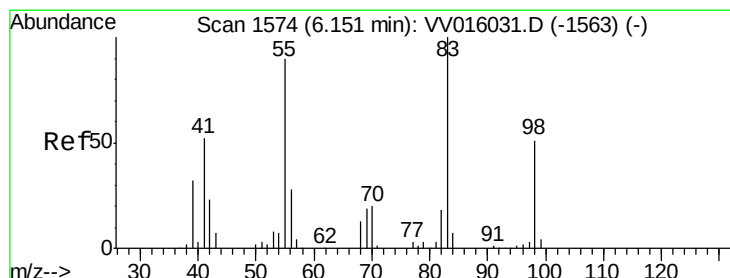
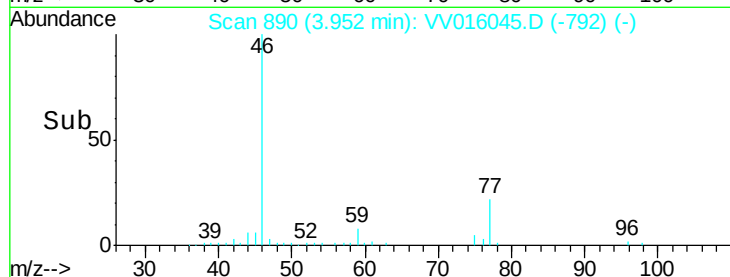
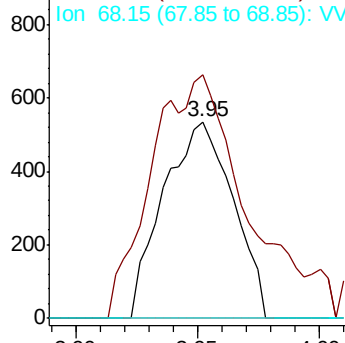
96 100

61 123.9 97.2 180.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016045.D

Acq: 13 May 2020 16:52

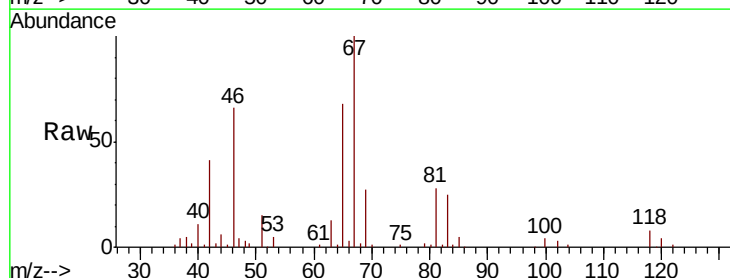
Tgt Ion: 83 Resp: 12971

Ion Ratio Lower Upper

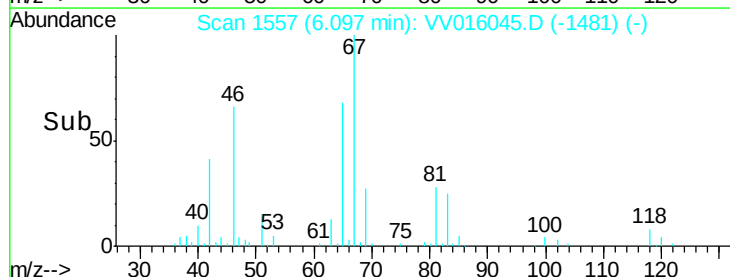
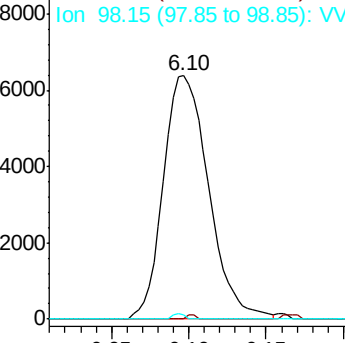
83 100

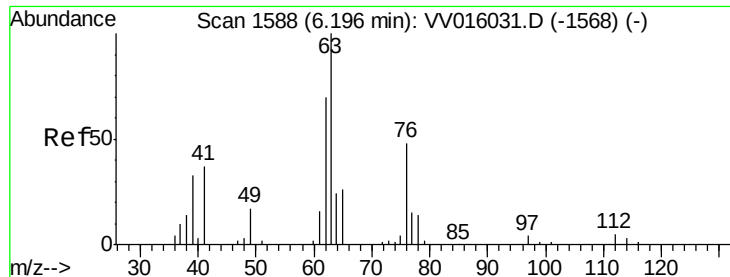
55 0.3 66.2 99.2#

98 0.6 37.9 56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

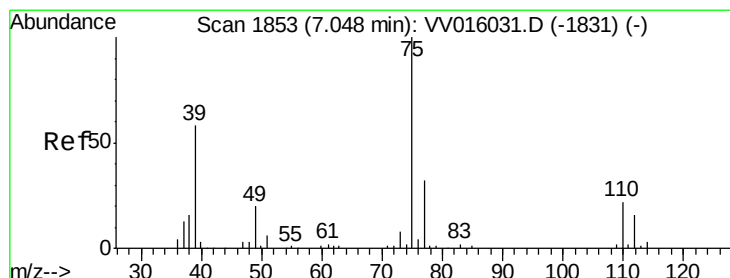
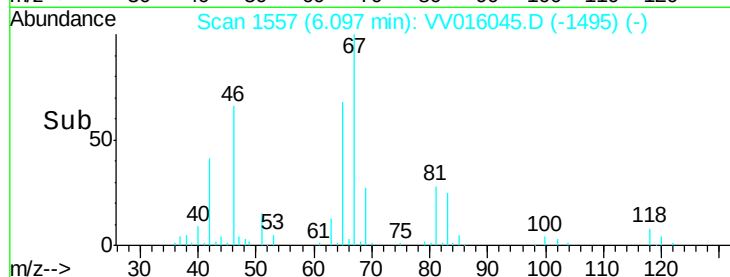
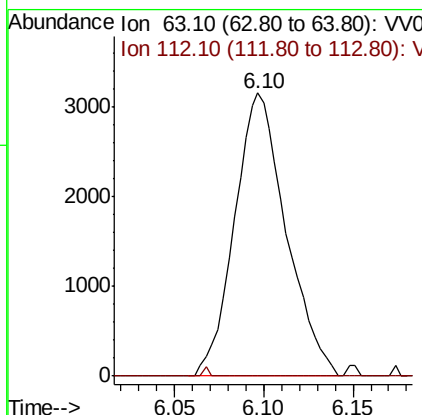
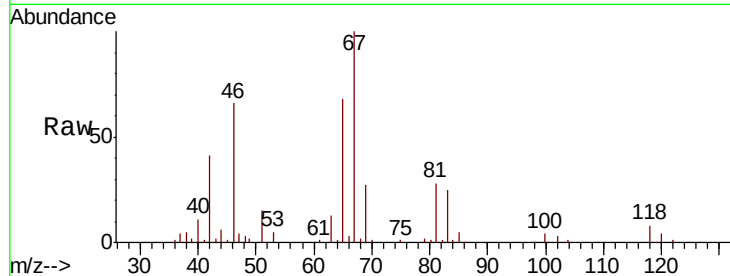




#37
 1,2-Dichloropropane
 Concen: 0.642 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016045.D
 Acq: 13 May 2020 16:52

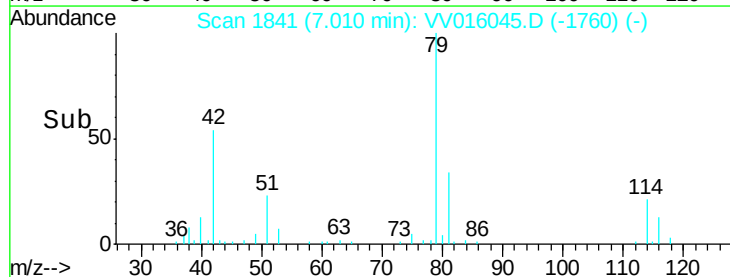
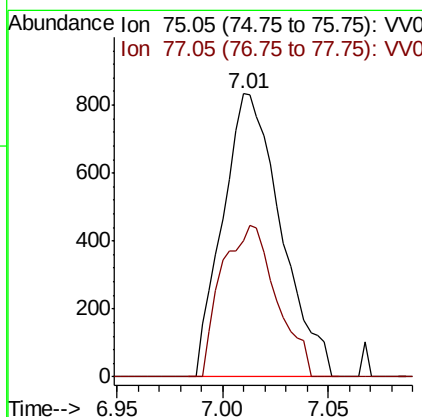
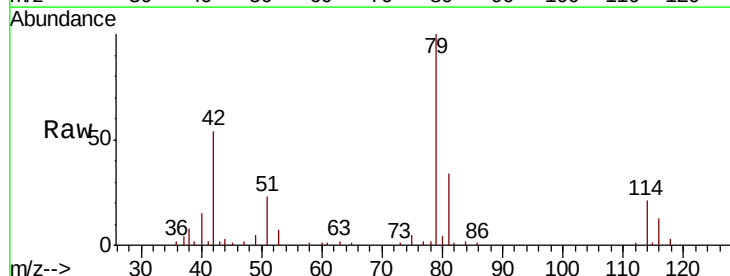
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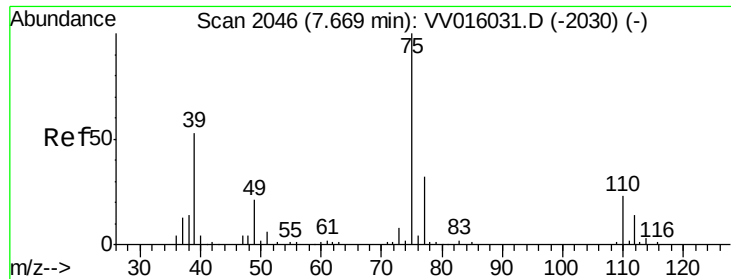
Tot Ion: 63 Resp: 6348
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016045.D
 Acq: 13 May 2020 16:52

Tgt Ion: 75 Resp: 1602
 Ion Ratio Lower Upper
 75 100
 77 48.1 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016045.D

Acq: 13 May 2020 16:52

Instrument :

MSVOA_V

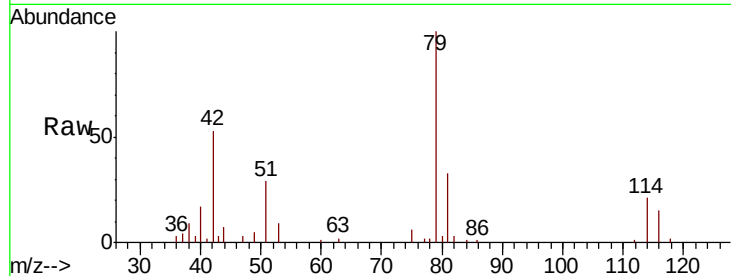
ClientSampleId :

Tot Ion: 75 Resp: 868

Ion Ratio Lower Upper

75 100

77 34.3 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

500

400

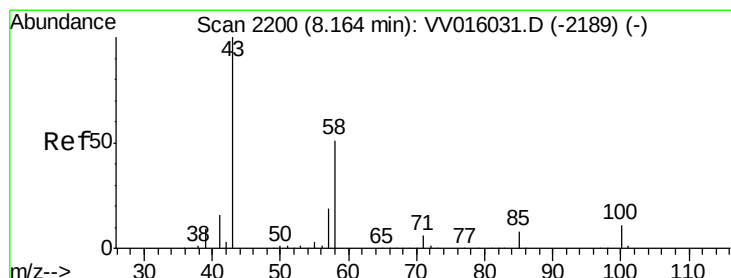
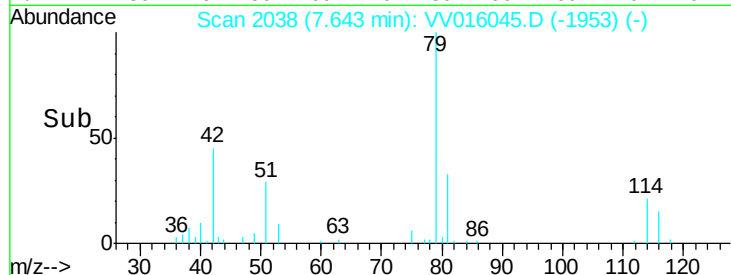
300

200

100

0

Time--> 7.60 7.62 7.64 7.66 7.68



#50

2-Hexanone

Concen: 3.322 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016045.D

Acq: 13 May 2020 16:52

Tgt Ion: 43 Resp: 14486

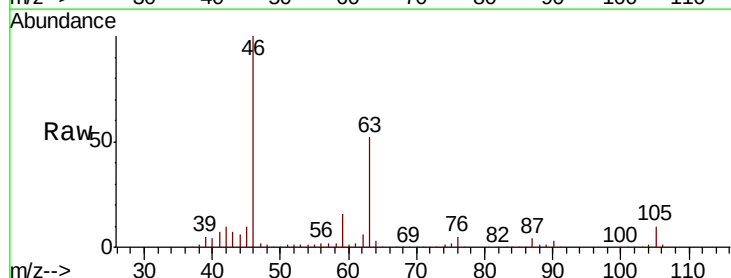
Ion Ratio Lower Upper

43 100

58 31.8 40.8 61.2#

57 22.1 14.7 22.1#

100 0.4 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

8.12

10000

8000

6000

4000

2000

0

Time--> 8.10 8.12 8.14 8.16 8.18 8.20

