

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016260.D
 Acq On : 28 May 2020 04:36
 Operator : SY/MD
 Sample : L2756-08 1000X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 06:38:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 06:30:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	96433	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	90368	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	43000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24903	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.58	69	24451	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	37345	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	3.94	46	76296	49.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.38	84	55292	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.06	65	30463	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.08	84	107965	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.10	67	34337	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.34	98	97855	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
45) trans-1,3-Dichloropropene-	7.65	79	10708	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
48) 2-Hexanone-d5	8.12	63	54701	46.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23452	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	35155	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

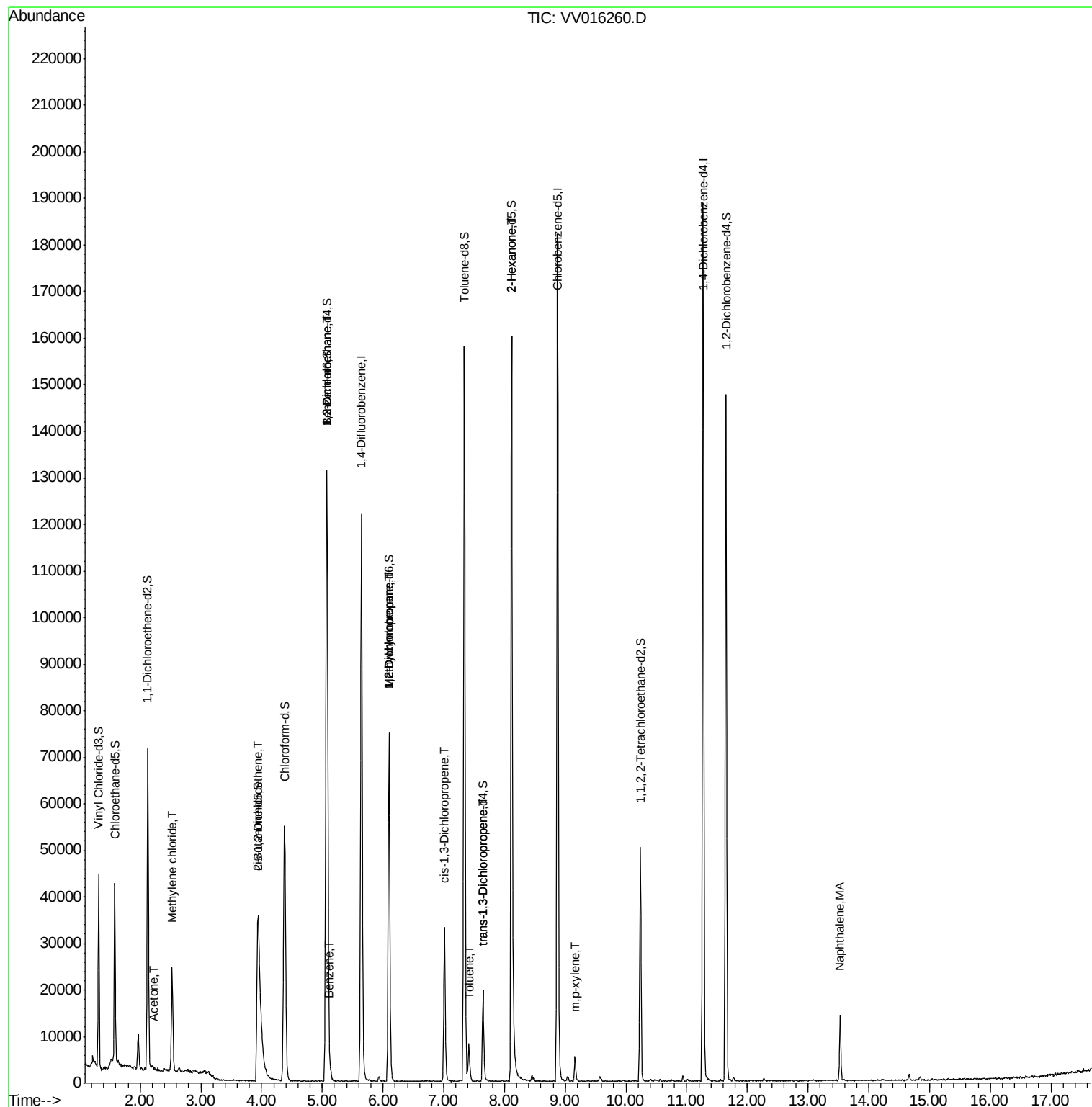
					Ovalue
13) Acetone	2.22	43	1513	1.591	ug/L 67
16) Methylene chloride	2.53	84	8379	1.285	ug/L 94
22) cis-1,2-Dichloroethene	3.95	96	686	0.093	ug/L 94
27) 1,2-Dichloroethane	5.08	62	779	0.095	ug/L # 79
33) Benzene	5.13	78	1944	0.075	ug/L 100
35) Methylcyclohexane	6.10	83	8090	0.708	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	4018	0.630	ug/L # 88
39) cis-1,3-Dichloropropene	7.01	75	1020	0.113	ug/L 99
42) Toluene	7.41	91	5408	0.191	ug/L 98
46) trans-1,3-Dichloropropene	7.65	75	429	0.057	ug/L # 60
50) 2-Hexanone	8.12	43	7936	2.868	ug/L # 74
55) m,p-xylene	9.16	106	1446	0.122	ug/L 99
70) Naphthalene	13.53	128	11006	0.618	ug/L 98

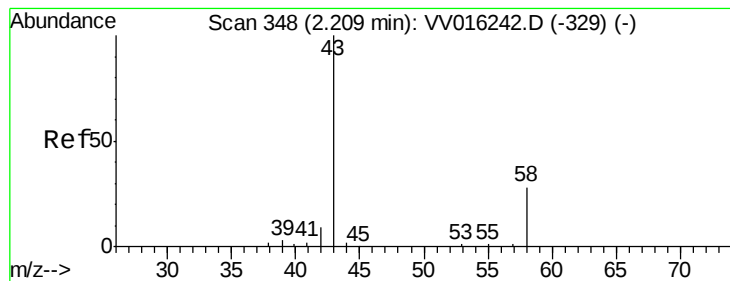
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.591 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

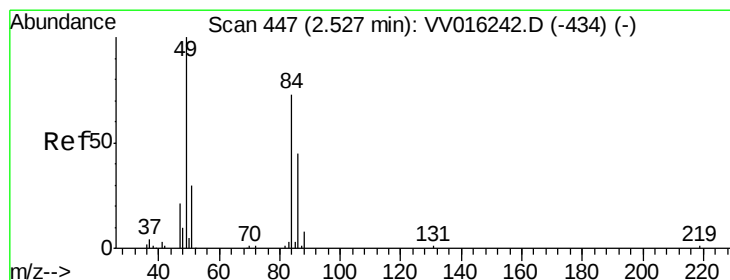
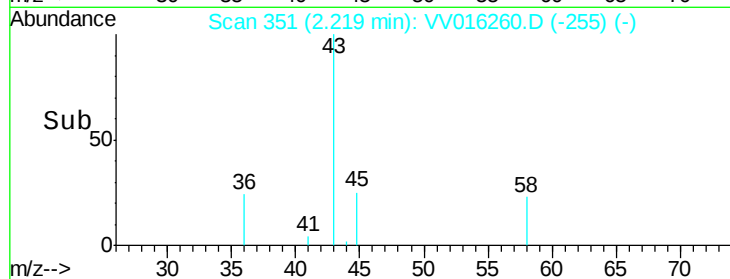
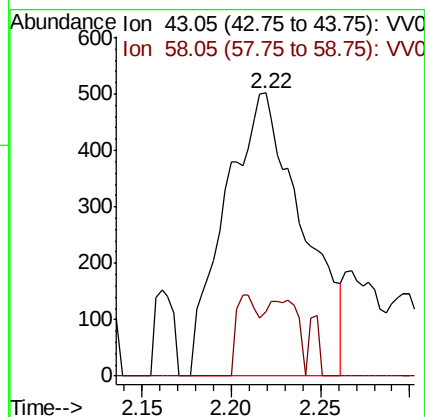
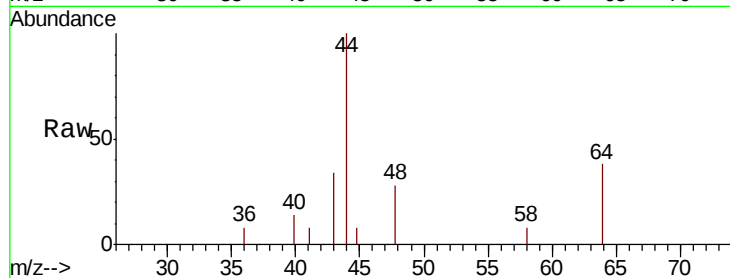
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

58 8.0 0.0 48.8



#16

Methylene chloride

Concen: 1.285 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

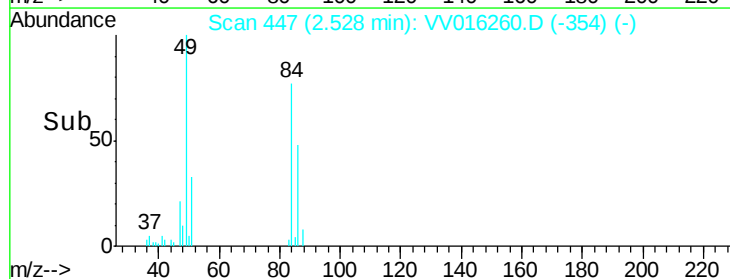
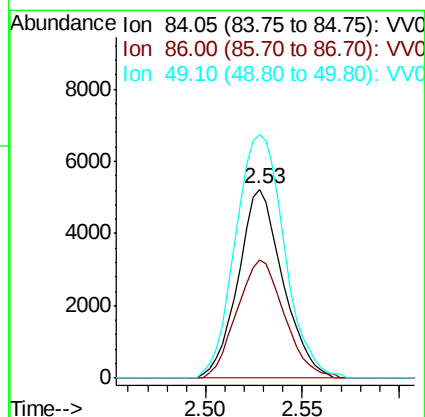
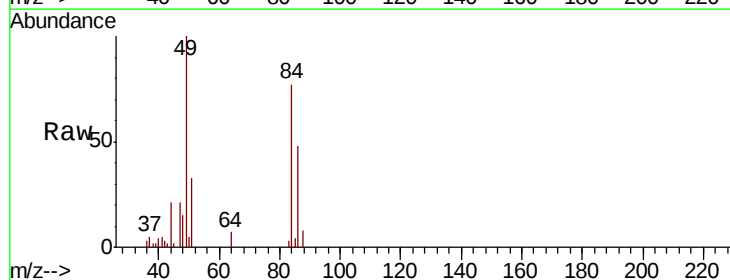
Tgt Ion: 84 Resp: 8379

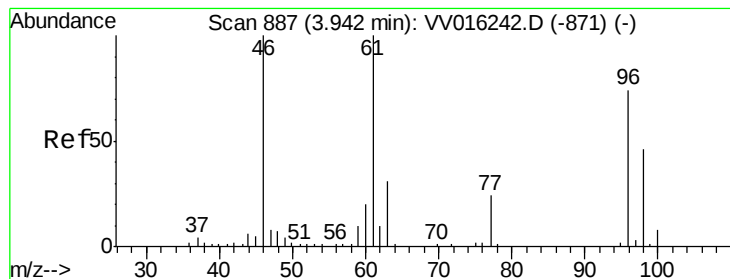
Ion Ratio Lower Upper

84 100

86 62.5 44.9 83.5

49 129.1 96.7 179.7





#22

cis-1,2-Dichloroethene

Concen: 0.093 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

Instrument :

MSVOA_V

ClientSampled :

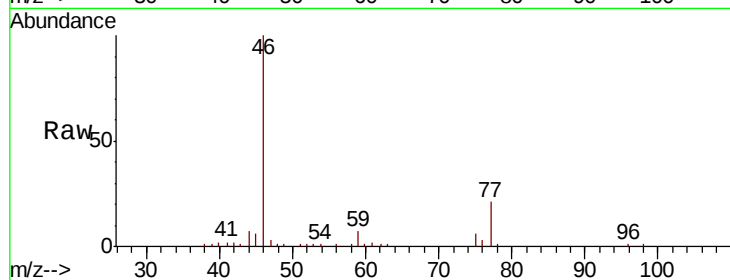
Tot Ion: 96 Resp: 686

Ion Ratio Lower Upper

96 100

61 135.5 99.7 185.1

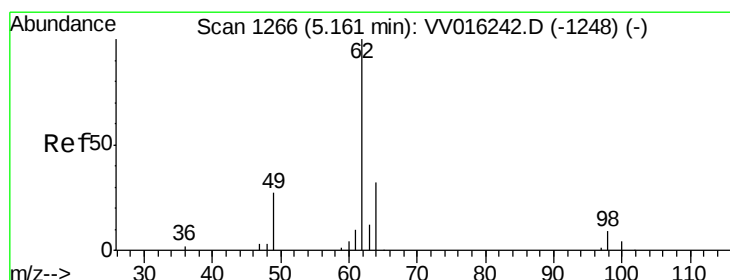
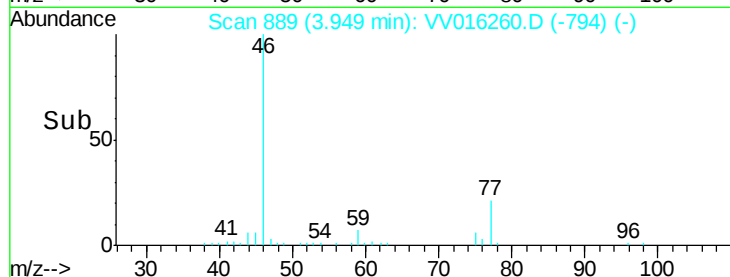
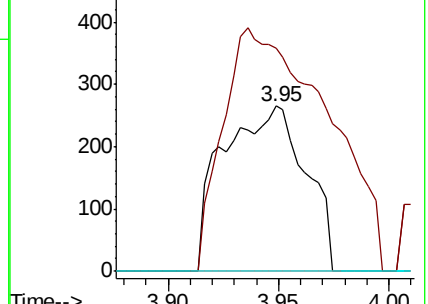
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016260.D (-1173) (-)

Ion 61.05 (60.75 to 61.75): VV016260.D (-1173) (-)

Ion 68.15 (67.85 to 68.85): VV016260.D (-1173) (-)



#27

1,2-Dichloroethane

Concen: 0.095 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV016260.D

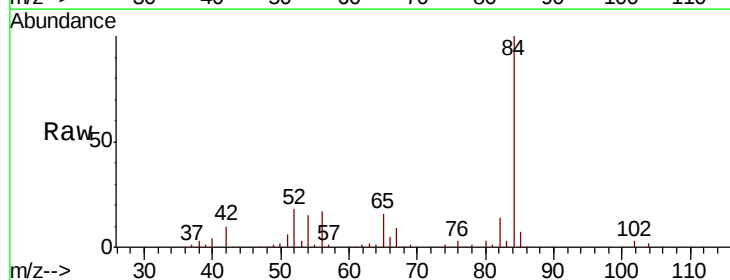
Acq: 28 May 2020 04:36

Tgt Ion: 62 Resp: 779

Ion Ratio Lower Upper

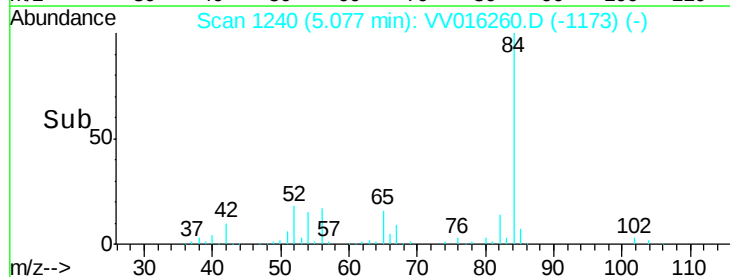
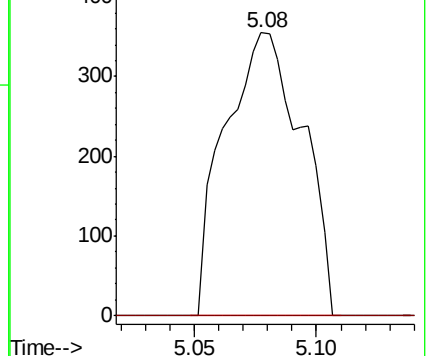
62 100

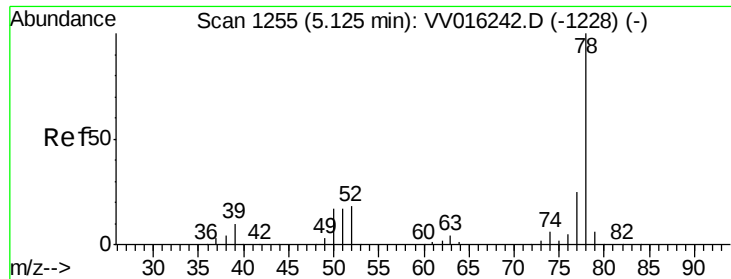
98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV016260.D (-1173) (-)

Ion 98.05 (97.75 to 98.75): VV016260.D (-1173) (-)





#33

Benzene

Concen: 0.075 ug/L

RT: 5.13 min Scan# 1255

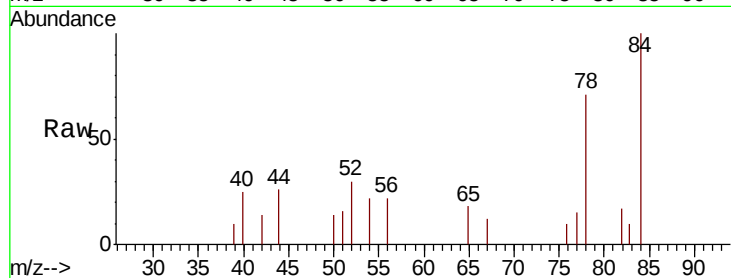
Delta R.T. 0.00 min

Lab File: VV016260.D

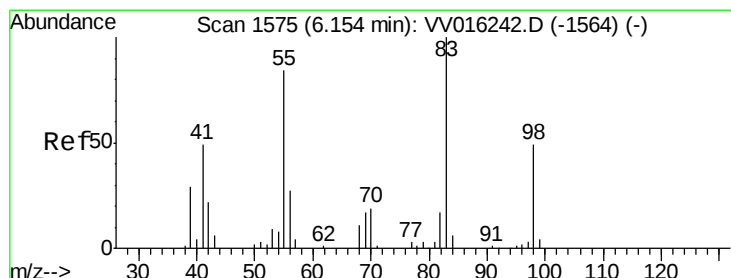
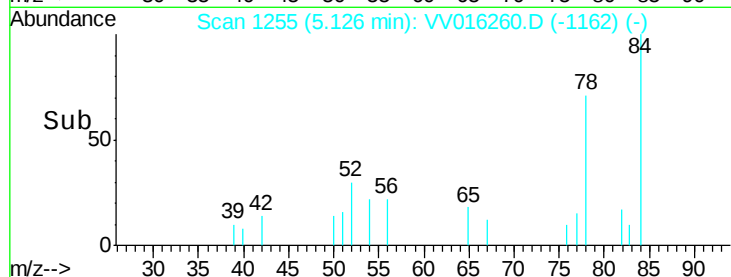
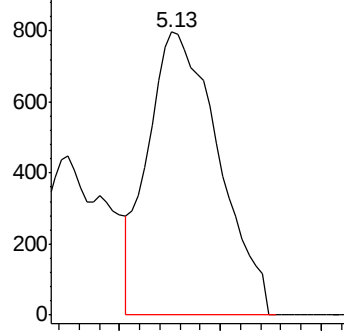
Acq: 28 May 2020 04:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 1944



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.708 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

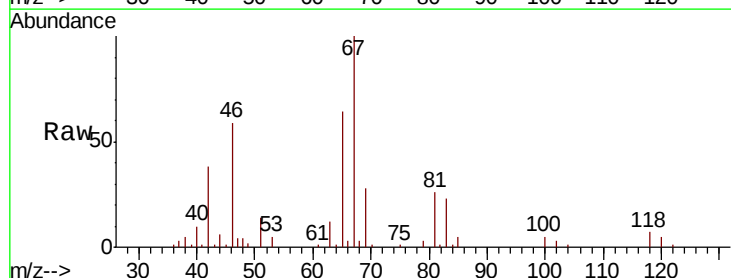
Tgt Ion: 83 Resp: 8090

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

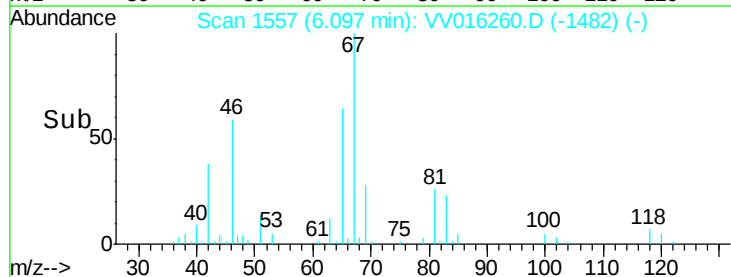
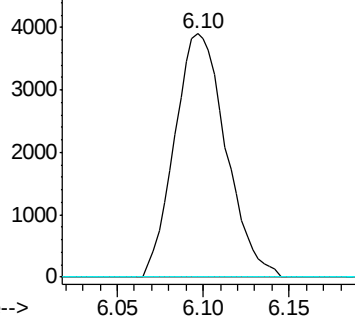
98 0.2 39.3 58.9#

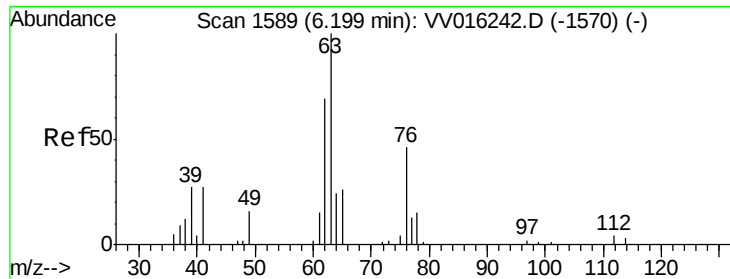


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

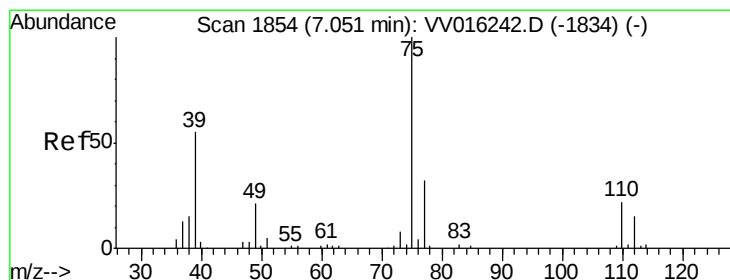
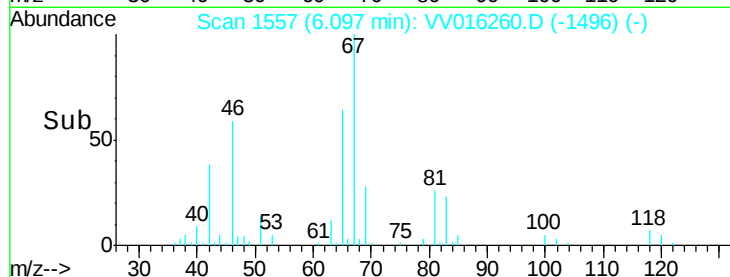
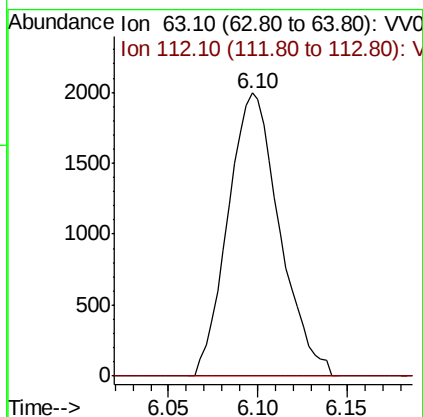
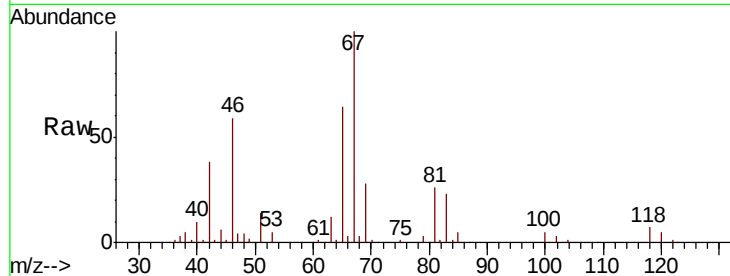




#37
 1,2-Dichloropropane
 Concen: 0.630 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016260.D
 Acq: 28 May 2020 04:36

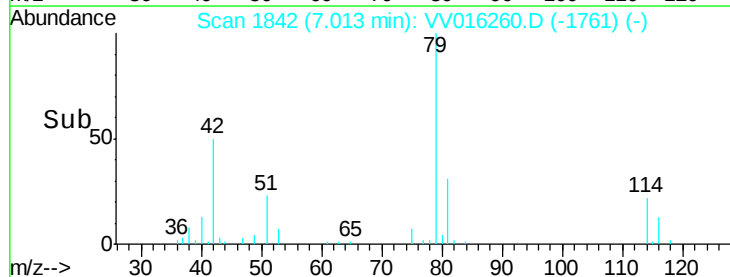
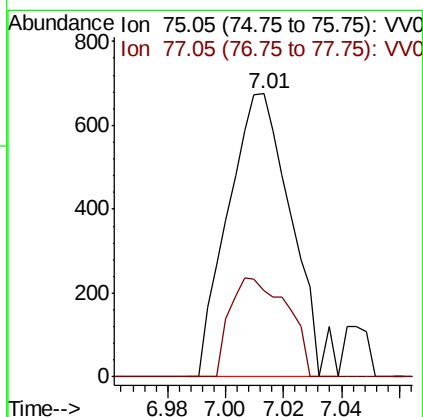
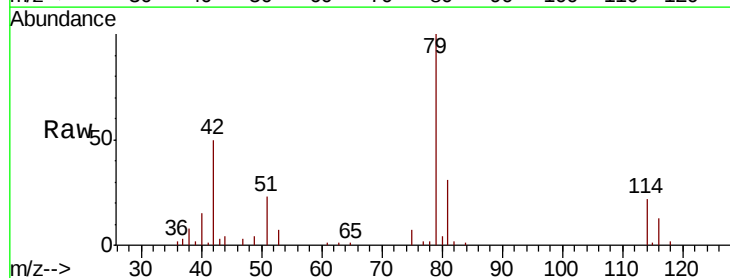
Instrument :
 MSVOA_V
 ClientSampleId :

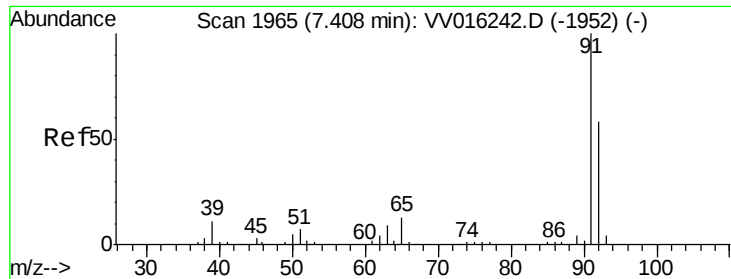
Tot Ion: 63 Resp: 4018
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016260.D
 Acq: 28 May 2020 04:36

Tgt Ion: 75 Resp: 1020
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.7 40.3





#42

Toluene

Concen: 0.191 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

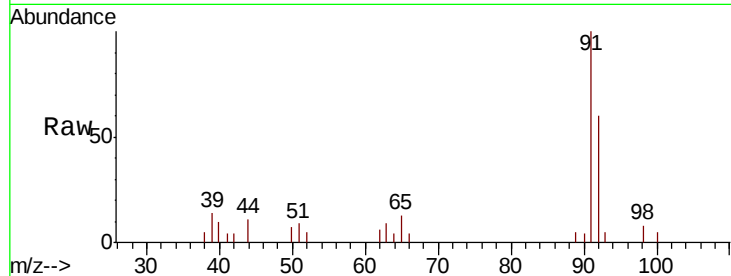
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5408

Ion Ratio Lower Upper

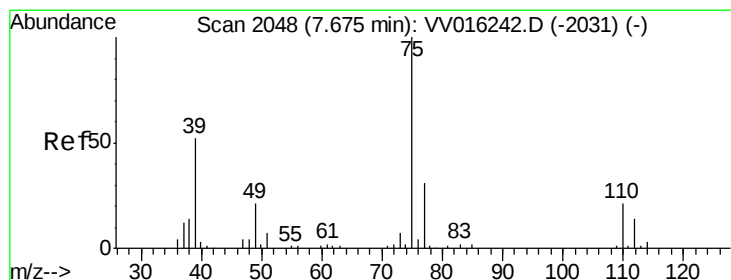
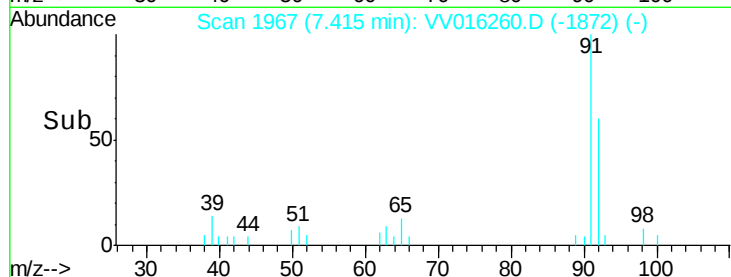
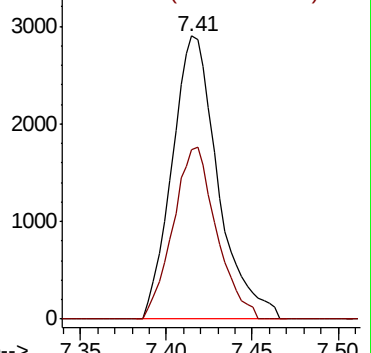
91 100

92 59.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016242.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016260.D (-1872) (-)



#46

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016260.D

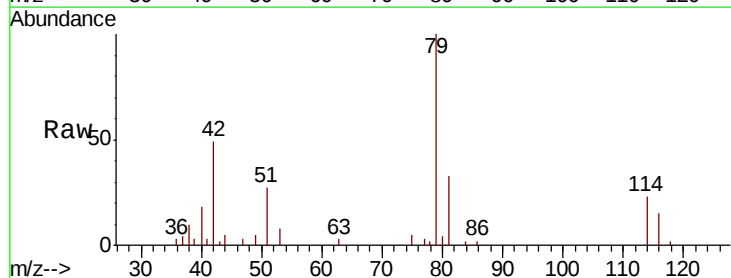
Acq: 28 May 2020 04:36

Tgt Ion: 75 Resp: 429

Ion Ratio Lower Upper

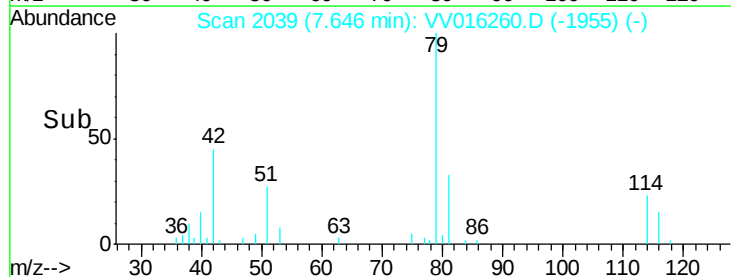
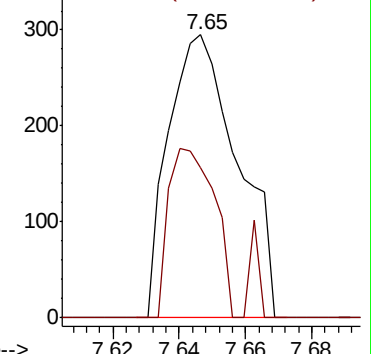
75 100

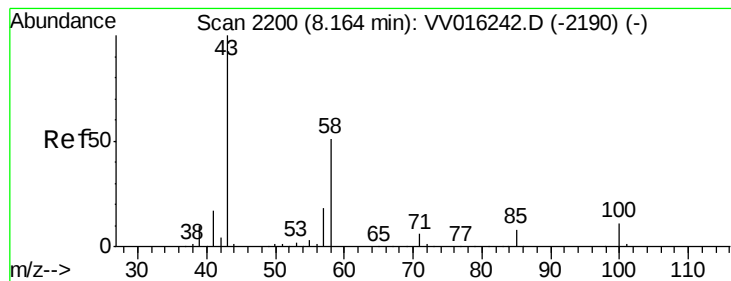
77 52.9 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV016242.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV016260.D (-1955) (-)





#50

2-Hexanone

Concen: 2.868 ug/L

RT: 8.12 min Scan# 2185

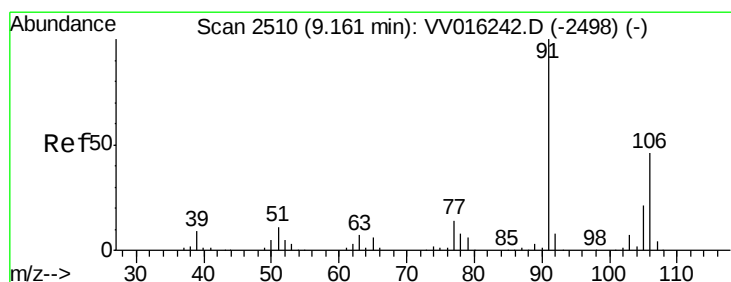
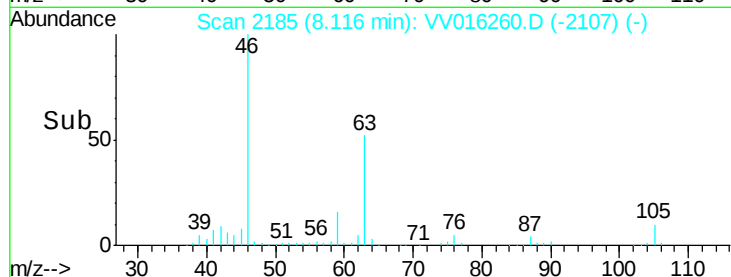
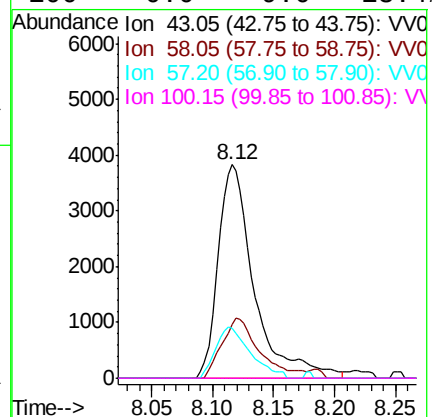
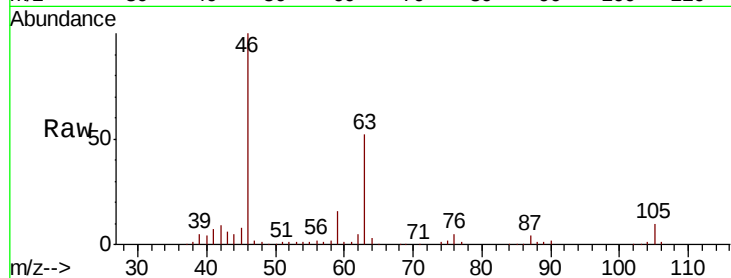
Delta R.T. -0.05 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	7936
Ion	Ratio	Lower	Upper
43	100		
58	29.7	41.4	62.0#
57	22.9	15.0	22.4#
100	0.0	9.0	13.4#



#55

m,p-xylene

Concen: 0.122 ug/L

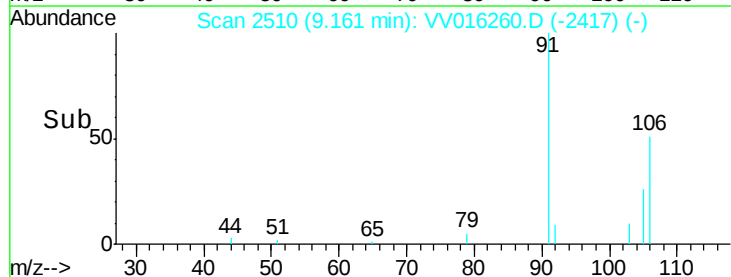
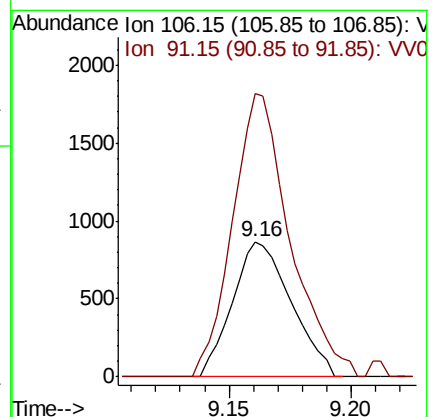
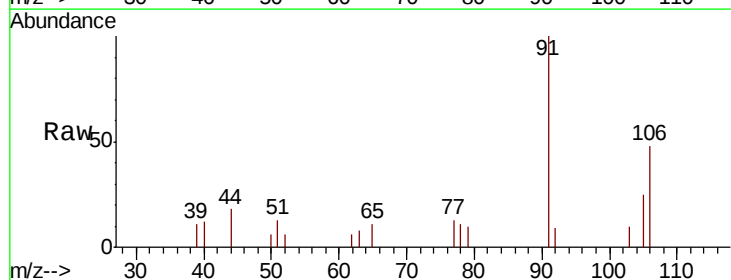
RT: 9.16 min Scan# 2510

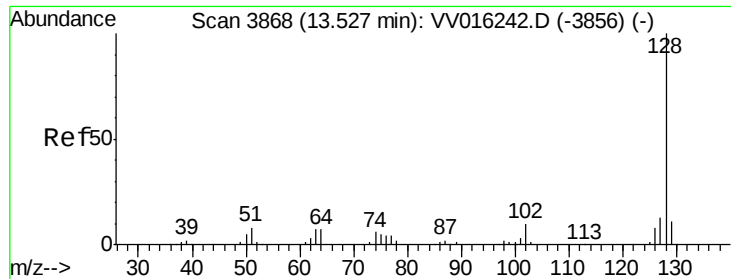
Delta R.T. 0.00 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

Tgt Ion:	106	Resp:	1446
Ion	Ratio	Lower	Upper
106	100		
91	209.6	148.1	275.0





#70

Naphthalene

Concen: 0.618 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016260.D

Acq: 28 May 2020 04:36

Instrument :

MSVOA_V

ClientSampleId :

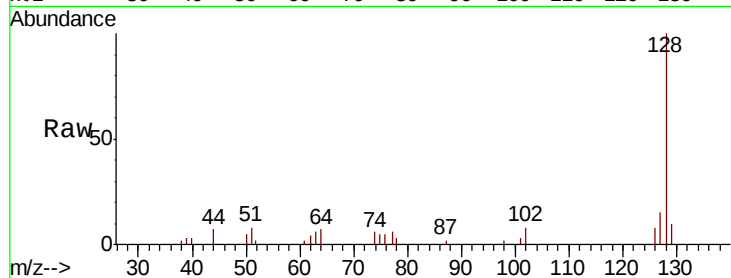
Tot Ion:128 Resp: 11006

Ion Ratio Lower Upper

128 100

129 9.9 8.6 13.0

127 13.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

