

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016205.D
 Acq On : 26 May 2020 21:10
 Operator : SY/MD
 Sample : L2753-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:16:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	103641	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	98984	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	45827	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30121	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	26896	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	42418	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.94	46	83006	50.27	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.54%
24) Chloroform-d	4.38	84	60865	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	34168	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.08	84	119352	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.10	67	37504	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.34	98	108841	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.65	79	13336	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
48) 2-Hexanone-d5	8.12	63	61595	47.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.00%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25825	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	38425	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

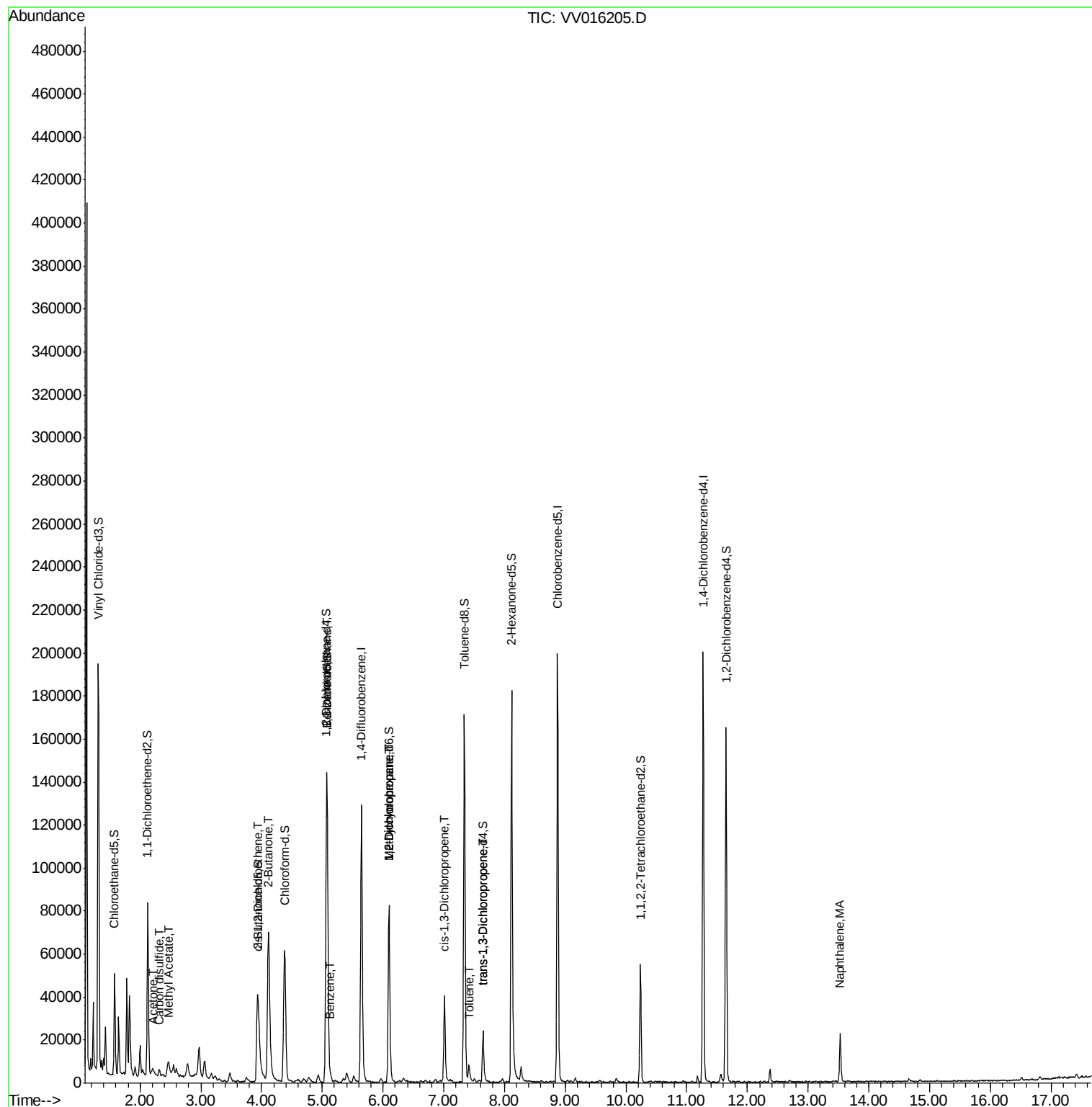
					Ovalue
13) Acetone	2.21	43	5679	5.557	ug/L 88
14) Carbon disulfide	2.31	76	2827	0.149	ug/L 95
15) Methyl Acetate	2.45	43	2285	0.875	ug/L # 53
21) 2-Butanone	4.11	43	112519	61.888	ug/L # 58
22) cis-1,2-Dichloroethene	3.95	96	551	0.070	ug/L 68
27) 1,2-Dichloroethane	5.07	62	723	0.082	ug/L # 79
33) Benzene	5.13	78	2529	0.089	ug/L 100
35) Methylcyclohexane	6.10	83	9376	0.749	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	4700	0.673	ug/L # 88
39) cis-1,3-Dichloropropene	7.01	75	1127	0.114	ug/L 85
42) Toluene	7.41	91	5684	0.183	ug/L 94
46) trans-1,3-Dichloropropene	7.65	75	705	0.086	ug/L # 67
70) Naphthalene	13.53	128	18144	0.956	ug/L 99

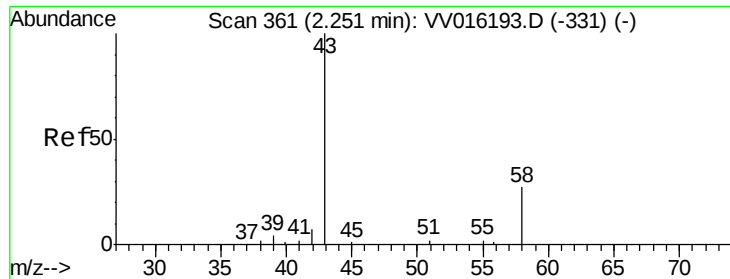
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.557 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.04 min

Lab File: VV016205.D

Acq: 26 May 2020 21:10

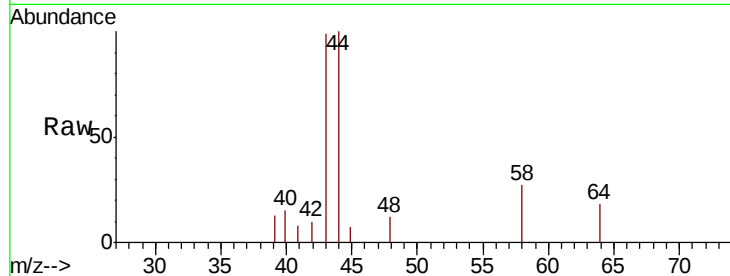
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5679

Ion Ratio Lower Upper

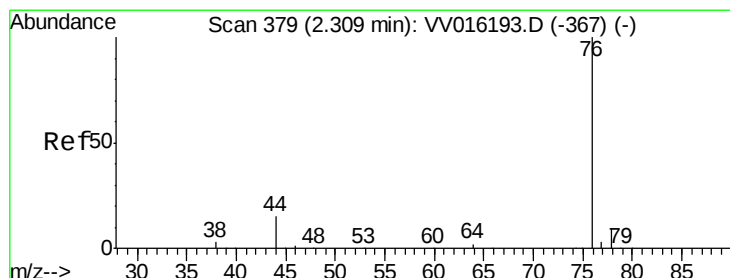
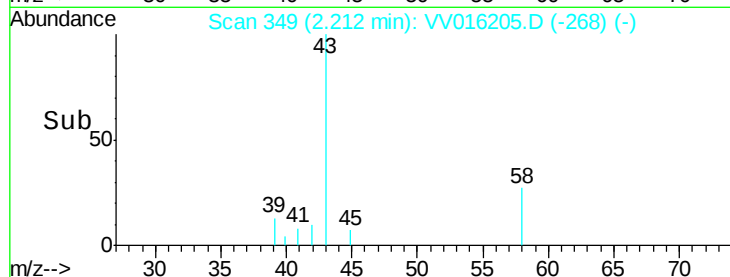
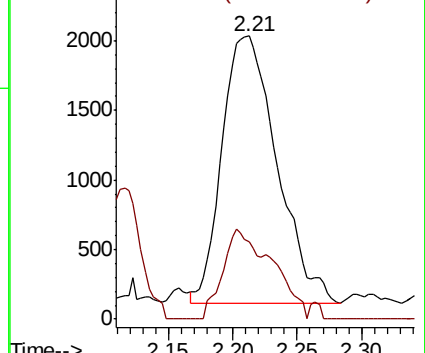
43 100

58 30.5 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.149 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016205.D

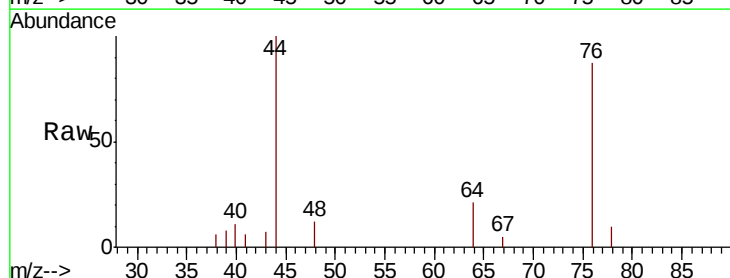
Acq: 26 May 2020 21:10

Tgt Ion: 76 Resp: 2827

Ion Ratio Lower Upper

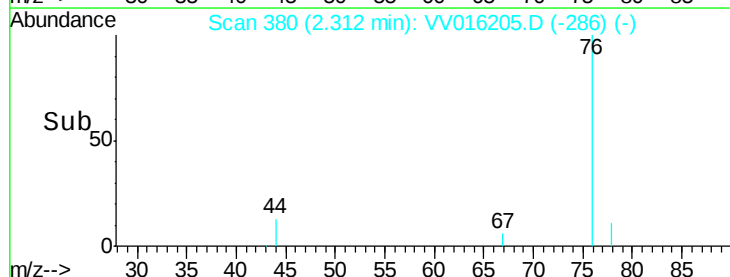
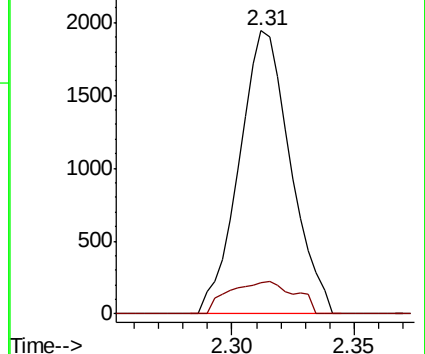
76 100

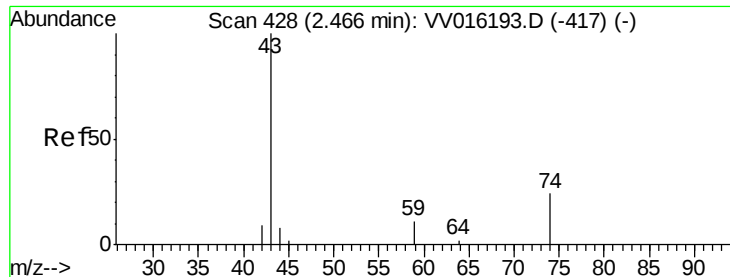
78 11.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

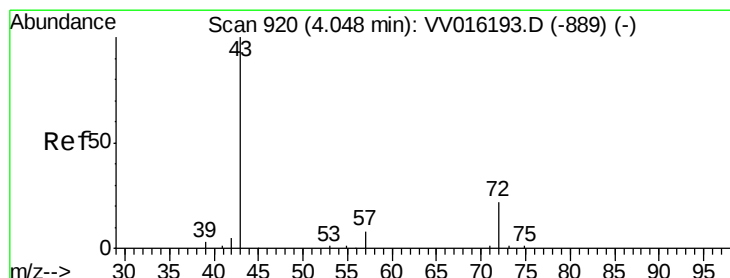
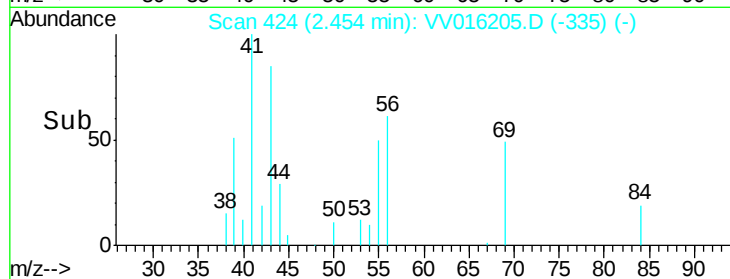
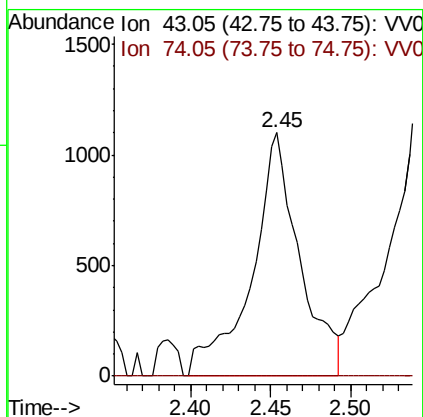
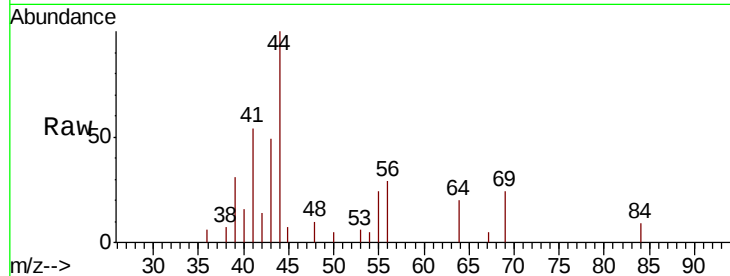




#15
Methvl Acetate
Concen: 0.875 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV016205.D
Acq: 26 May 2020 21:10

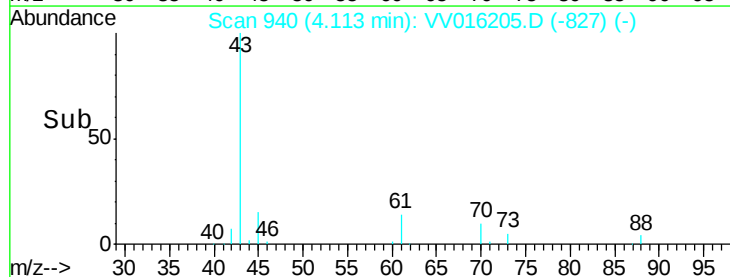
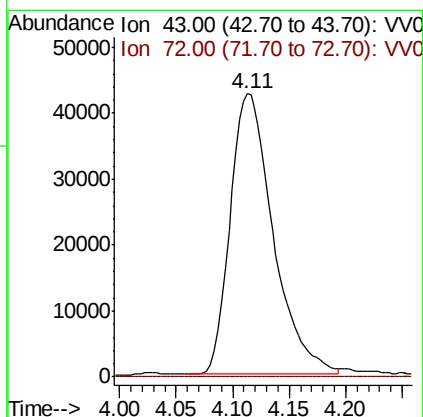
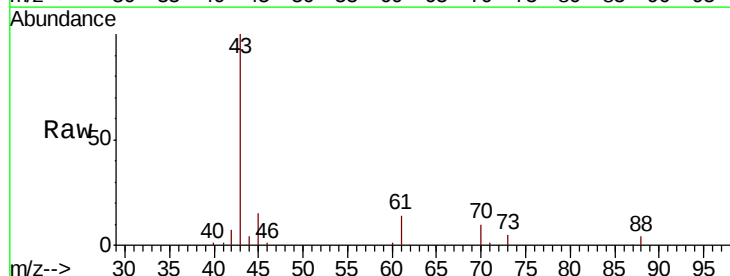
Instrument :
MSVOA_V
ClientSampled :

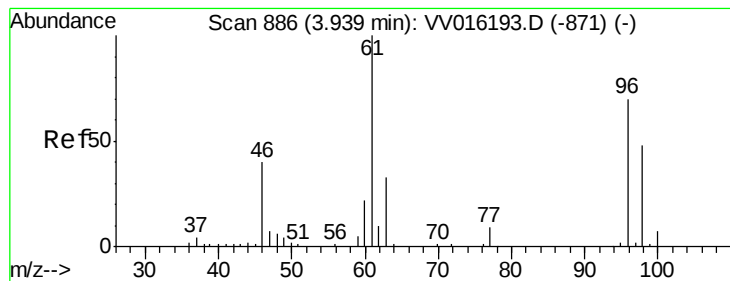
Tot Ion: 43 Resp: 2285
Ion Ratio Lower Upper
43 100
74 0.0 18.1 27.1#



#21
2-Butanone
Concen: 61.888 ug/L
RT: 4.11 min Scan# 940
Delta R.T. 0.06 min
Lab File: VV016205.D
Acq: 26 May 2020 21:10

Tgt Ion: 43 Resp: 112519
Ion Ratio Lower Upper
43 100
72 0.3 9.7 28.9#





#22

cis-1,2-Dichloroethene

Concen: 0.070 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV016205.D

Acq: 26 May 2020 21:10

Instrument :
MSVOA_V
ClientSampleId :

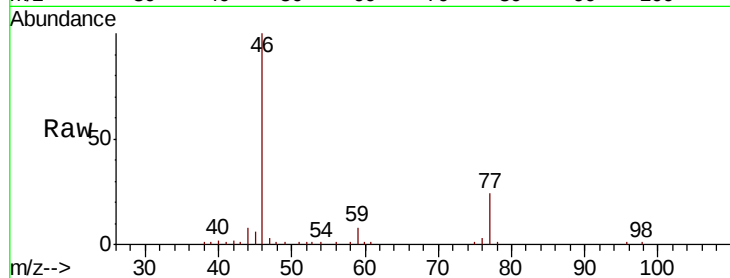
Tot Ion: 96 Resp: 551

Ion Ratio Lower Upper

96 100

61 103.3 99.7 185.1

68 0.0 0.0 0.0

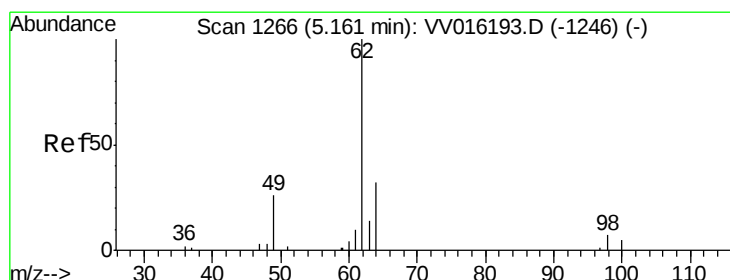
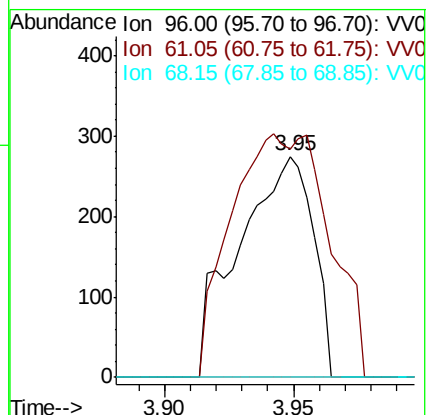
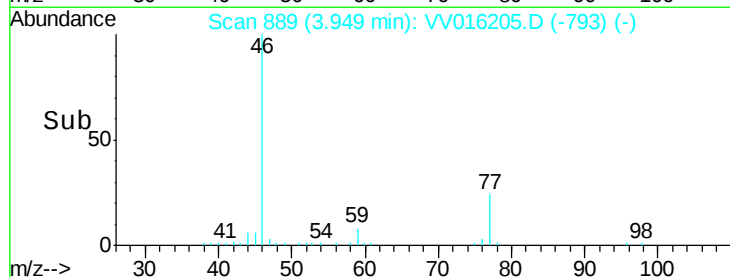


Abundance Ion 96.00 (95.70 to 96.70): VV016193.D (-871) (-)

Ion 61.05 (60.75 to 61.75): VV016193.D (-871) (-)

Ion 68.15 (67.85 to 68.85): VV016193.D (-871) (-)

Time-->



#27

1,2-Dichloroethane

Concen: 0.082 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.09 min

Lab File: VV016205.D

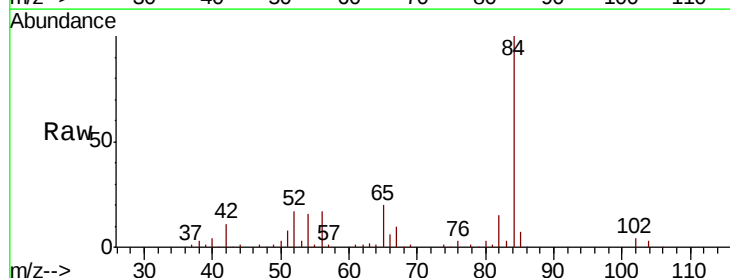
Acq: 26 May 2020 21:10

Tgt Ion: 62 Resp: 723

Ion Ratio Lower Upper

62 100

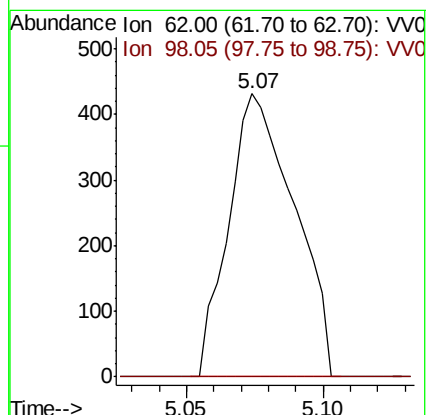
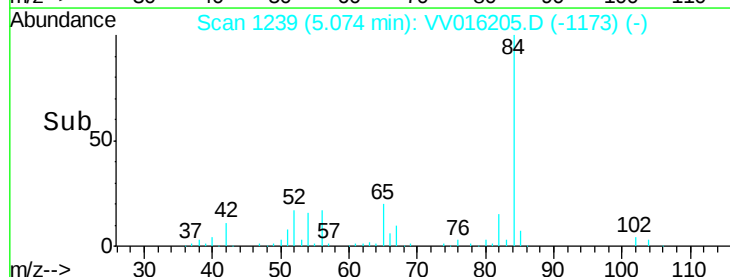
98 0.0 5.7 8.5#

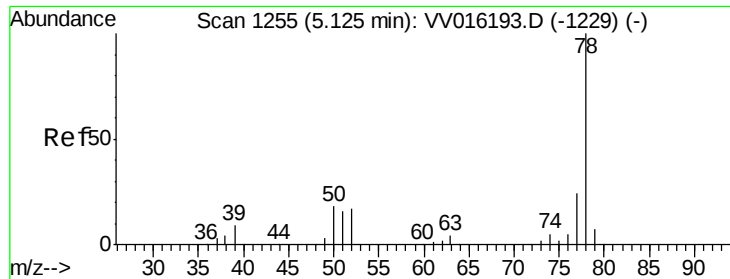


Abundance Ion 62.00 (61.70 to 62.70): VV016193.D (-1246) (-)

Ion 98.05 (97.75 to 98.75): VV016193.D (-1246) (-)

Time-->





#33

Benzene

Concen: 0.089 ug/L

RT: 5.13 min Scan# 1256

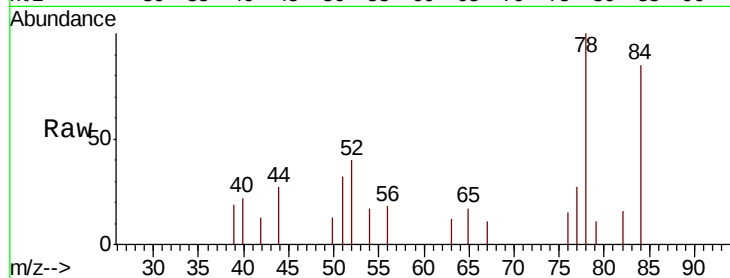
Delta R.T. 0.00 min

Lab File: VV016205.D

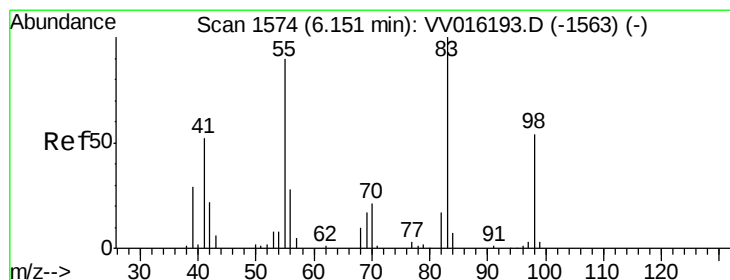
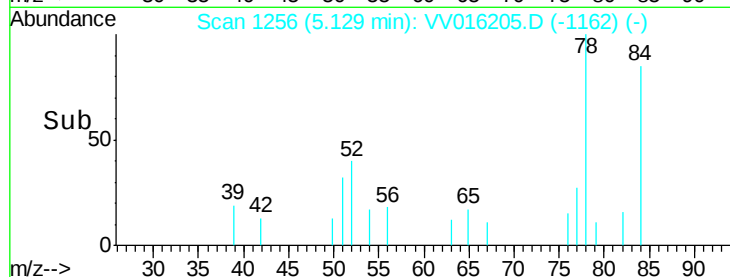
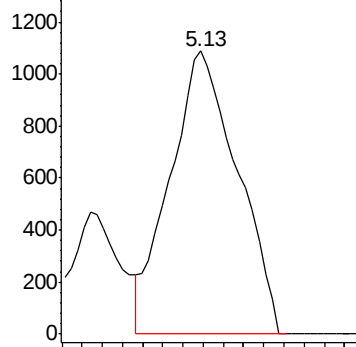
Acq: 26 May 2020 21:10

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 2529



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.749 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016205.D

Acq: 26 May 2020 21:10

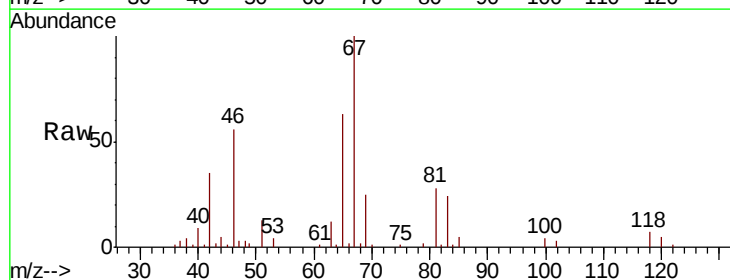
Tgt Ion: 83 Resp: 9376

Ion Ratio Lower Upper

83 100

55 0.4 65.4 98.0#

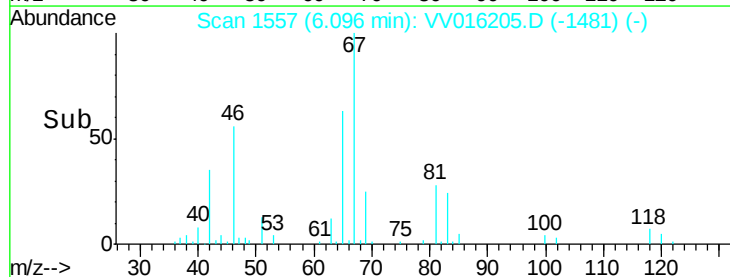
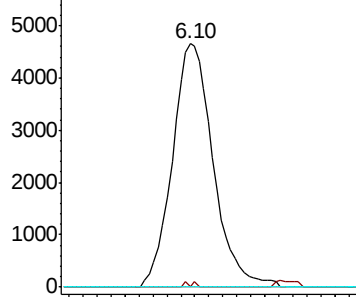
98 0.4 39.3 58.9#

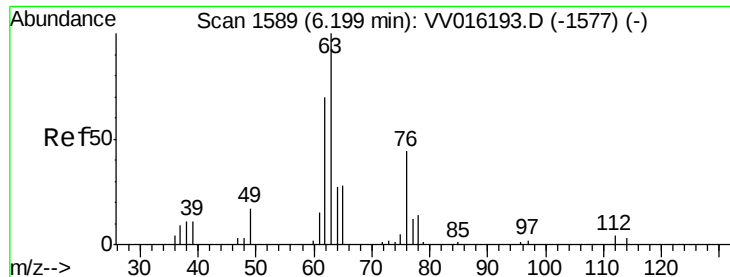


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

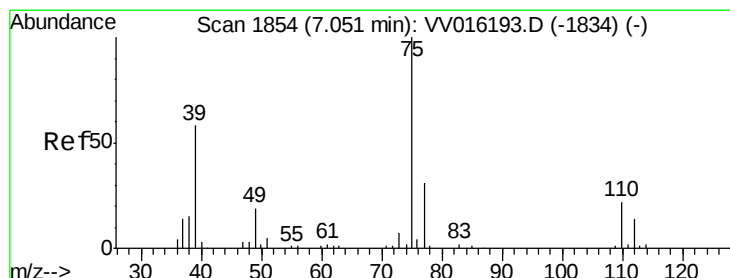
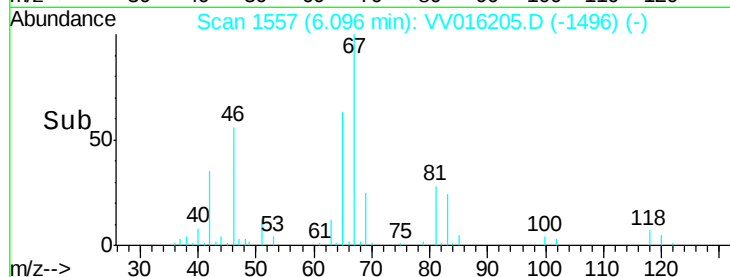
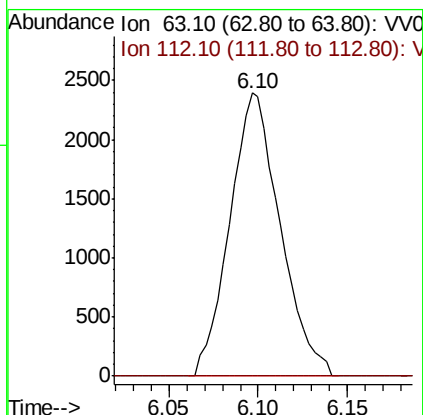
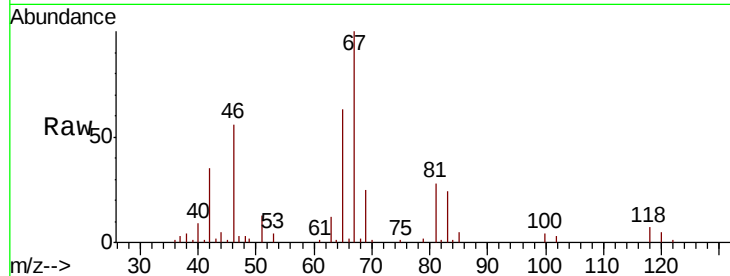




#37
 1,2-Dichloropropane
 Concen: 0.673 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016205.D
 Acq: 26 May 2020 21:10

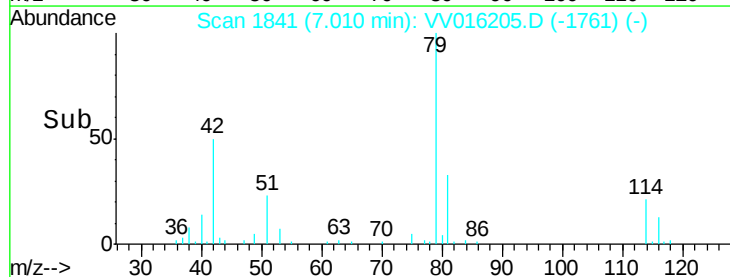
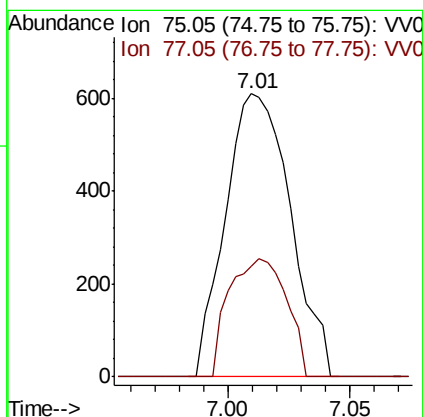
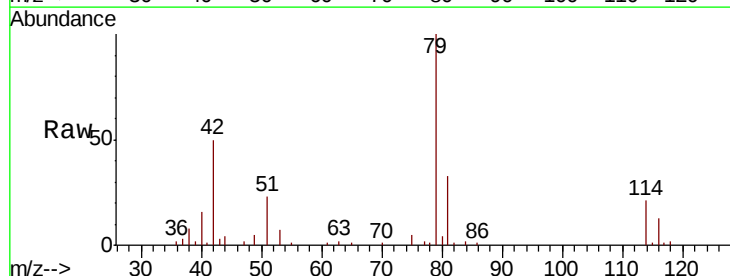
Instrument :
 MSVOA_V
 ClientSampled :

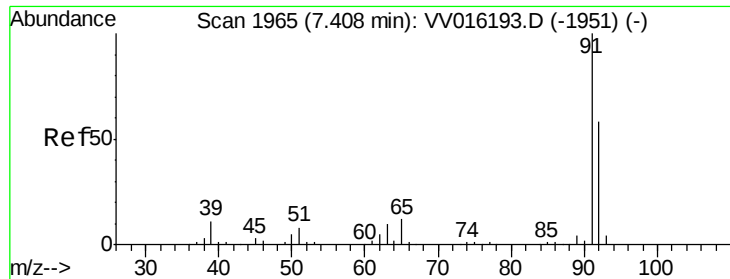
Tot Ion: 63 Resp: 4700
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016205.D
 Acq: 26 May 2020 21:10

Tgt Ion: 75 Resp: 1127
 Ion Ratio Lower Upper
 75 100
 77 39.2 21.7 40.3





#42

Toluene

Concen: 0.183 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016205.D

Acq: 26 May 2020 21:10

Instrument :

MSVOA_V

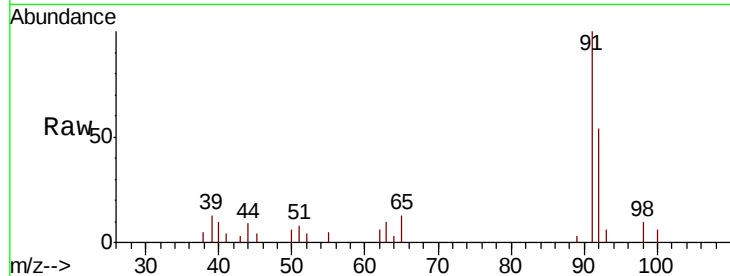
ClientSampleId :

Tot Ion: 91 Resp: 5684

Ion Ratio Lower Upper

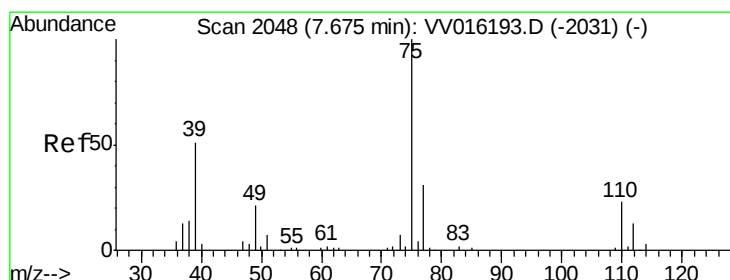
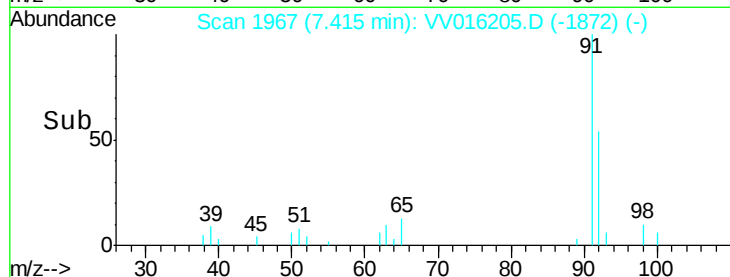
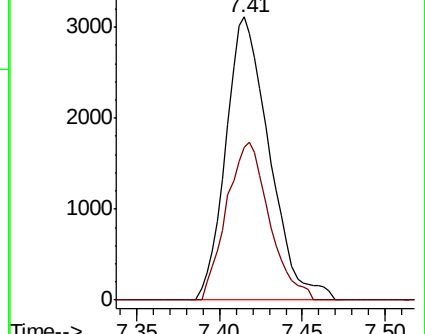
91 100

92 54.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016205.D

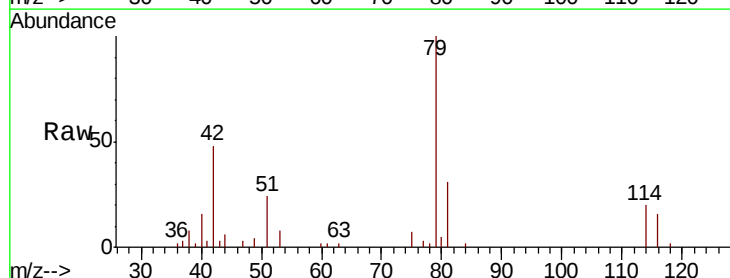
Acq: 26 May 2020 21:10

Tgt Ion: 75 Resp: 705

Ion Ratio Lower Upper

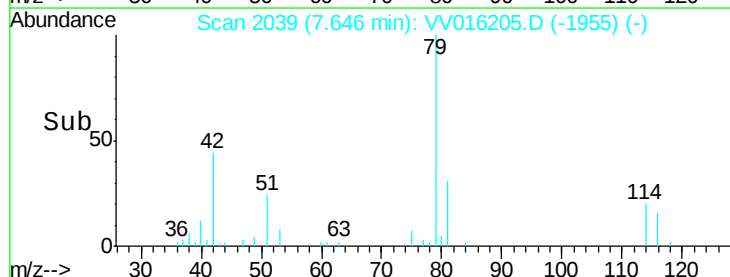
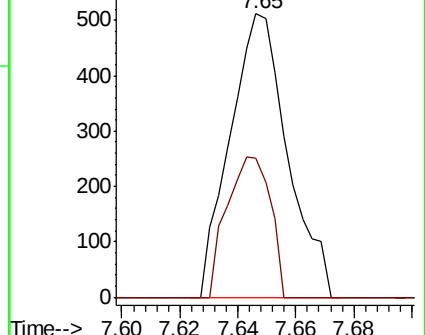
75 100

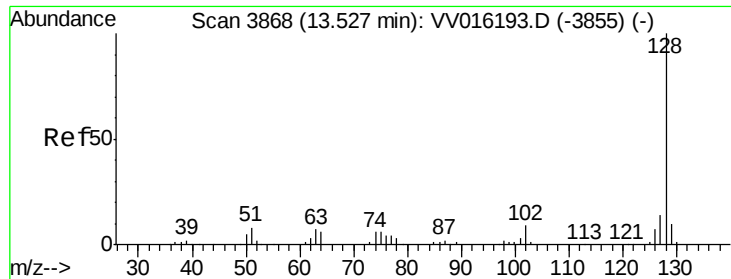
77 49.0 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#70

Naphthalene

Concen: 0.956 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016205.D

Acq: 26 May 2020 21:10

Instrument :

MSVOA_V

ClientSampleId :

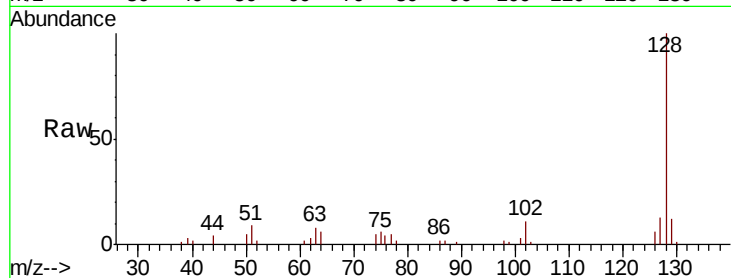
Tot Ion:128 Resp: 18144

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.4 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

