

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017820.D
 Acq On : 06 Aug 2020 18:20
 Operator : SY/MD
 Sample : L3590-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L20

Quant Time: Aug 07 06:53:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	223188	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	122793	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41945	38.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.08%
7) Chloroethane-d5	1.58	69	40461	43.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.08%
11) 1,1-Dichloroethene-d2	2.12	63	82773	31.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.30%
21) 2-Butanone-d5	3.90	46	80867	98.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.81%
24) Chloroform-d	4.38	84	134143	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	108396	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.78%
32) Benzene-d6	5.08	84	226159	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.09	67	61583	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.72%
41) Toluene-d8	7.34	98	227561	45.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.24%
43) trans-1,3-Dichloropropene-	7.64	79	34034	36.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.50%
47) 2-Hexanone-d5	8.11	63	59903	98.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	96620	45.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.10%
64) 1,2-Dichlorobenzene-d4	11.65	152	118134	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%

Target Compounds

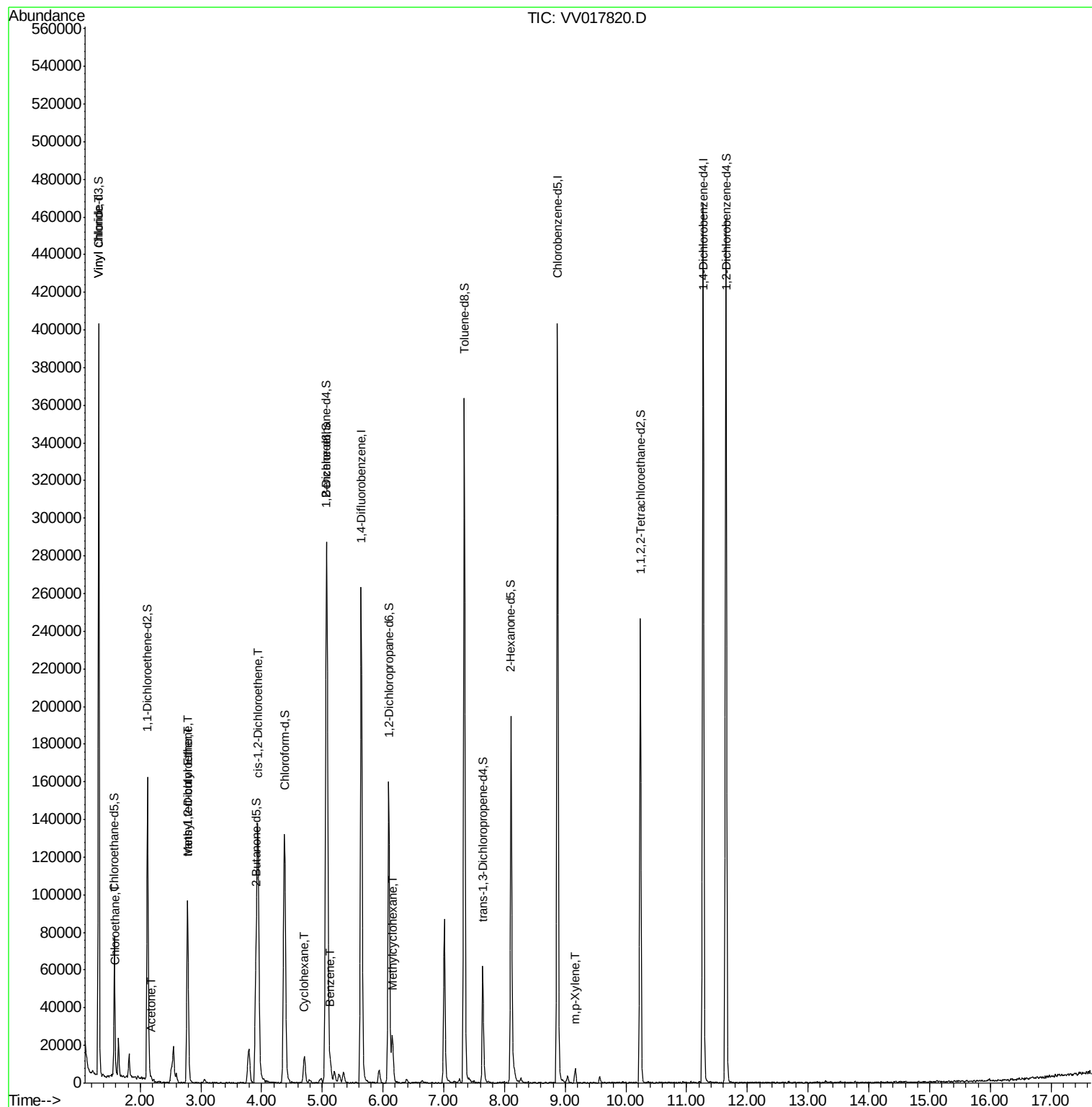
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	198828	125.578	ug/L	99
8) Chloroethane	1.60	64	1987	2.073	ug/L	86
13) Acetone	2.19	43	2045	1.968	ug/L	87
17) trans-1,2-Dichloroethene	2.78	96	26836	17.718	ug/L	91
18) Methyl tert-butyl Ether	2.78	73	12044	2.419	ug/L #	20
20) cis-1,2-Dichloroethene	3.94	96	72655	44.909	ug/L	92
29) Cyclohexane	4.70	56	5994	2.722	ug/L #	46
33) Benzene	5.13	78	9761	1.655	ug/L	100
35) Methylcyclohexane	6.15	83	10184	4.143	ug/L #	85
53) m,p-Xylene	9.16	106	2468	0.858	ug/L	95

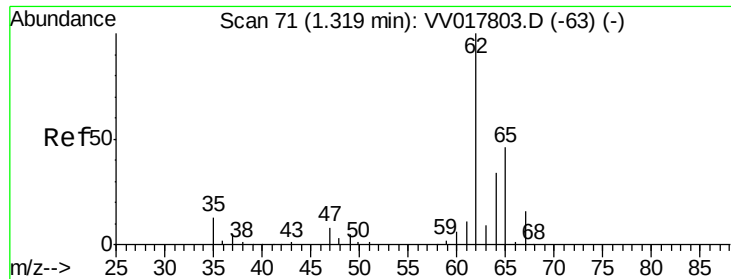
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 125.578 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017820.D

Acq: 06 Aug 2020 18:20

Instrument :

MSVOA_V

ClientSampled :

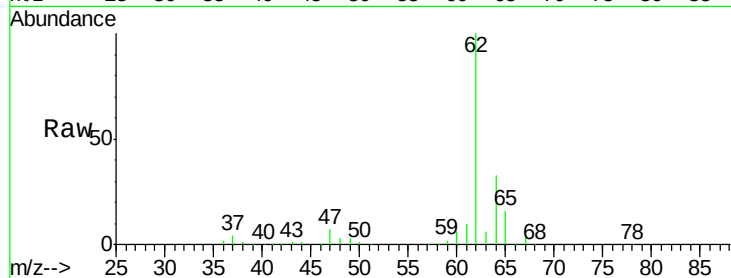
F4L20

Tot Ion: 62 Resp: 198828

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

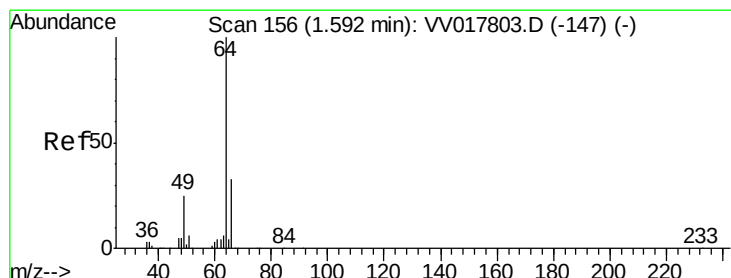
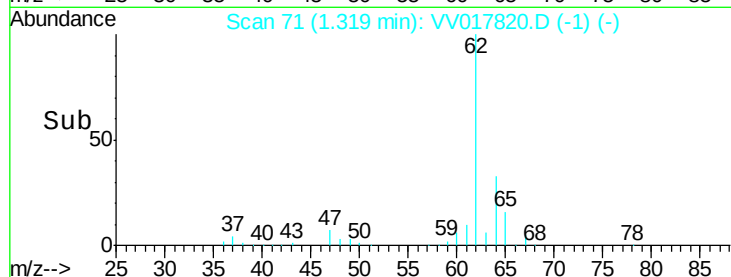
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 2.073 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017820.D

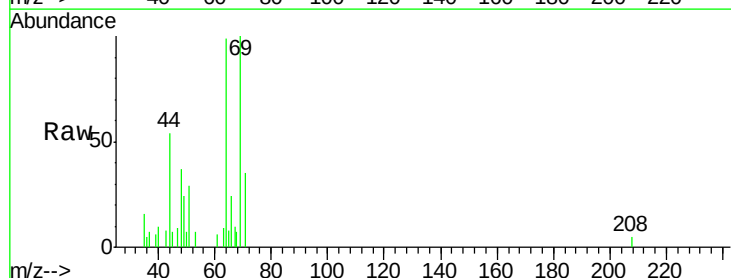
Acq: 06 Aug 2020 18:20

Tgt Ion: 64 Resp: 1987

Ion Ratio Lower Upper

64 100

66 23.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

2500

2000

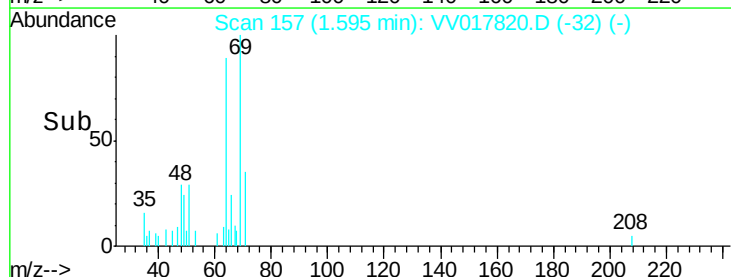
1500

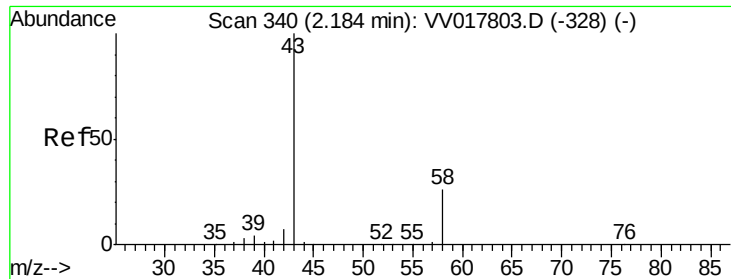
1000

500

0

Time-->





#13

Acetone

Concen: 1.968 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017820.D

Acq: 06 Aug 2020 18:20

Instrument :

MSVOA_V

ClientSampled :

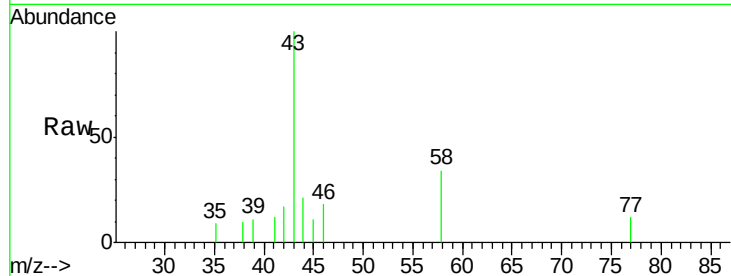
F4L20

Tot Ion: 43 Resp: 2045

Ion Ratio Lower Upper

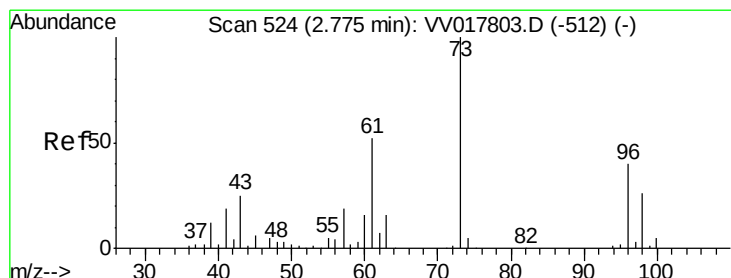
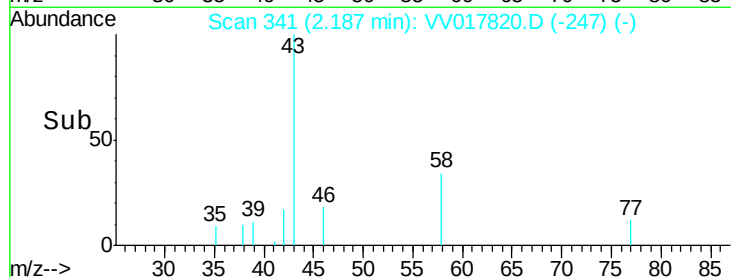
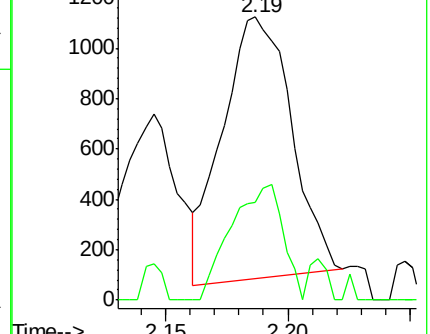
43 100

58 33.2 0.0 52.6



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: 17.718 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017820.D

Acq: 06 Aug 2020 18:20

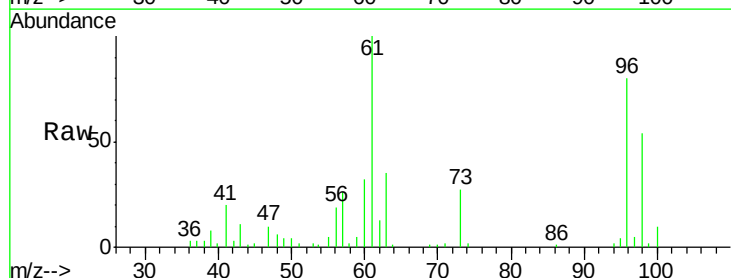
Tgt Ion: 96 Resp: 26836

Ion Ratio Lower Upper

96 100

61 125.5 96.2 178.8

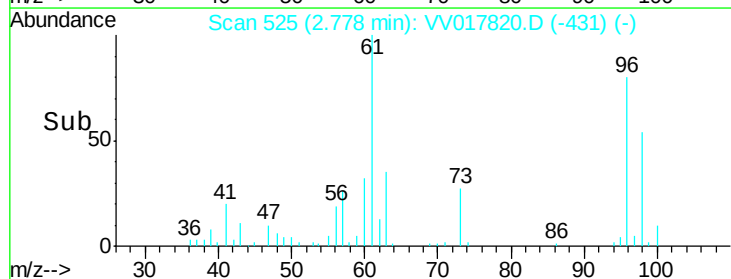
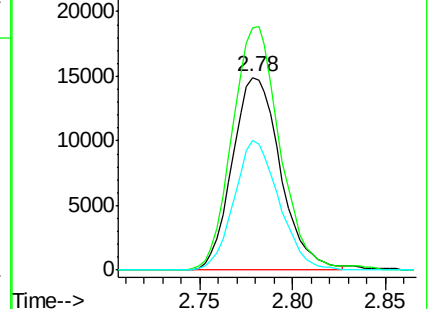
98 67.4 43.2 80.2

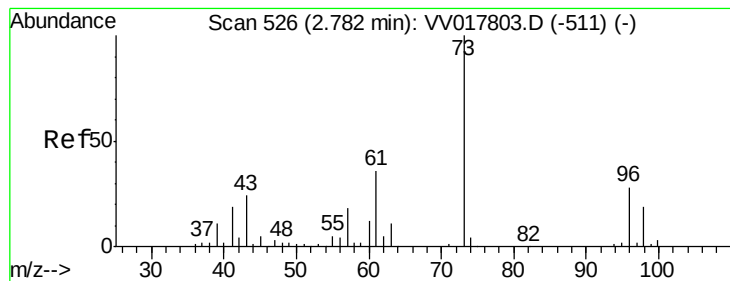


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



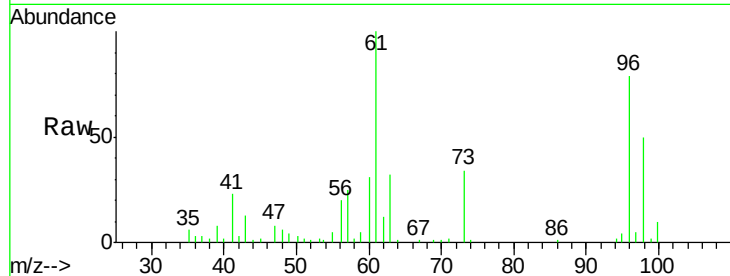


#18

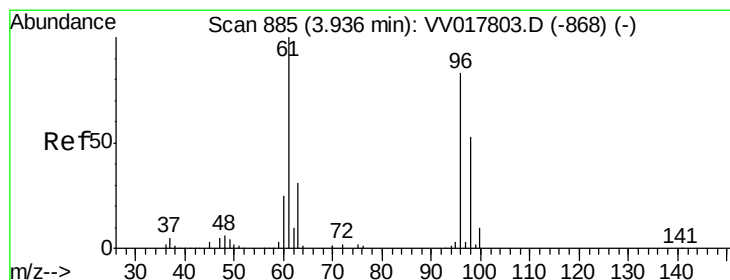
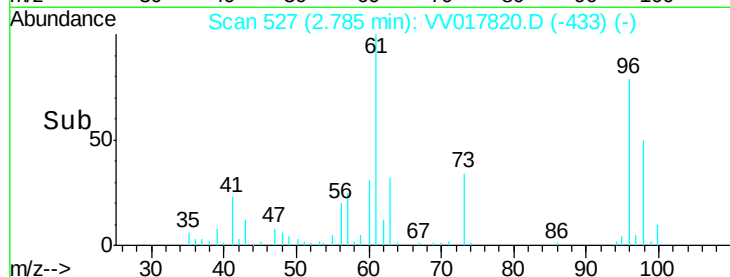
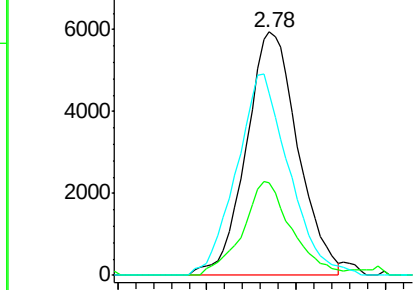
Methyl tert-butyl Ether
 Concen: 2.419 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV017820.D
 Acq: 06 Aug 2020 18:20

Instrument :
 MSVOA_V
 ClientSampled :
 F4L20

Tot Ion	73	Resp	12044
Ion Ratio	Lower	Upper	
73	100		
43	36.4	18.1	27.1#
57	83.7	16.0	24.0#



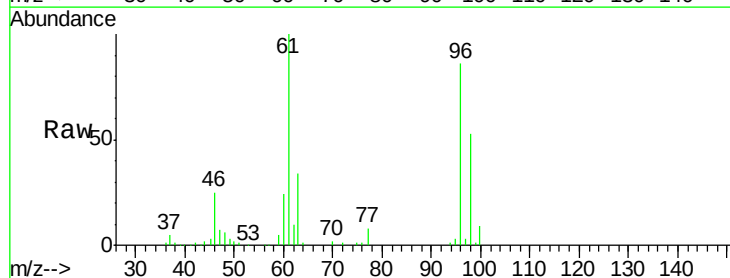
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



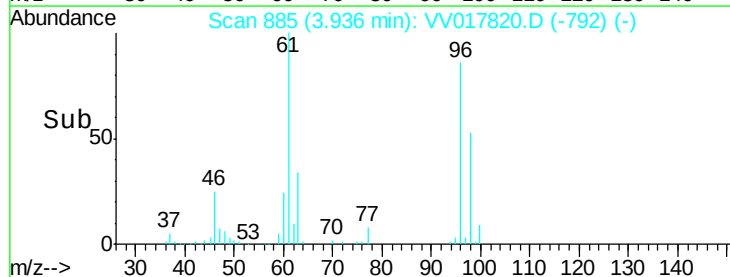
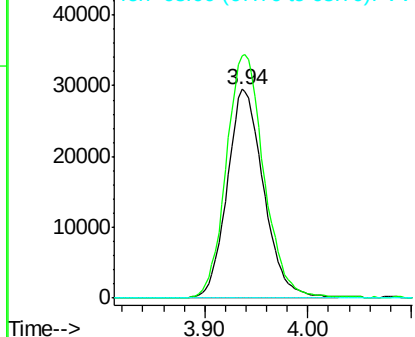
#20

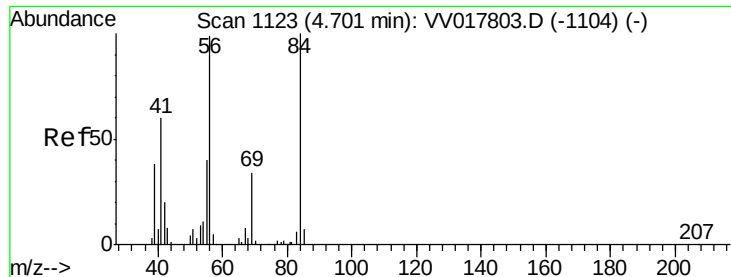
cis-1,2-Dichloroethene
 Concen: 44.909 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017820.D
 Acq: 06 Aug 2020 18:20

Tgt Ion	96	Resp	72655
Ion Ratio	Lower	Upper	
96	100		
61	116.1	87.3	162.1
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

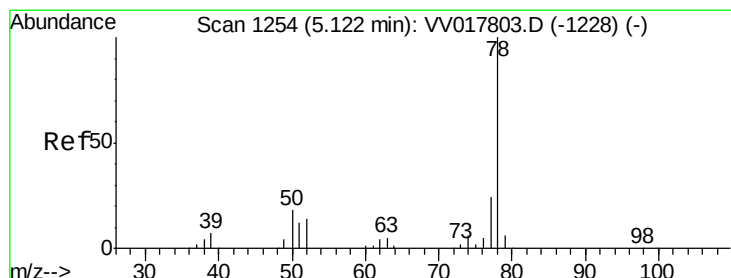
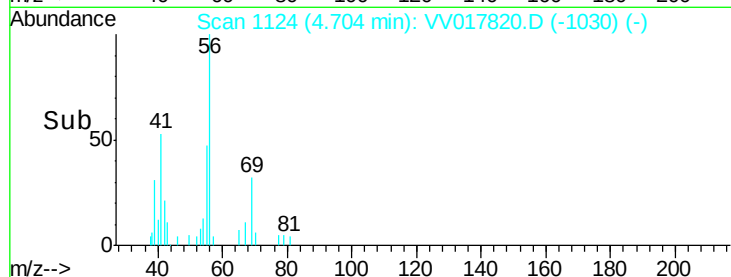
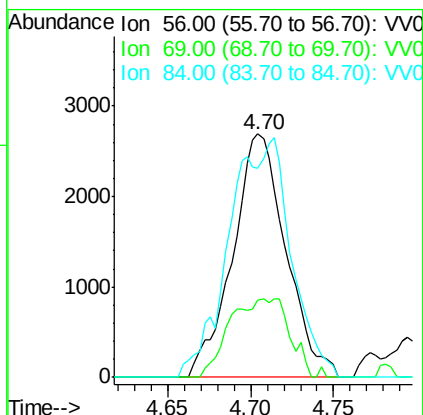
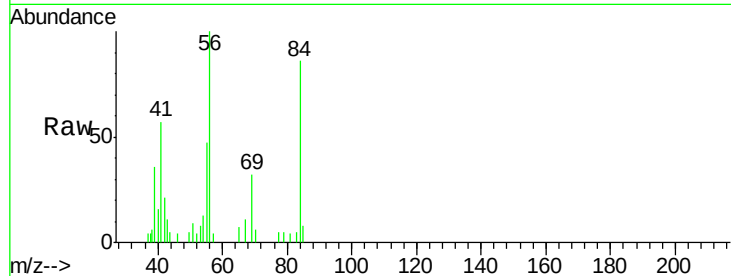




#29
Cyclohexane
Concen: 2.722 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017820.D
Acq: 06 Aug 2020 18:20

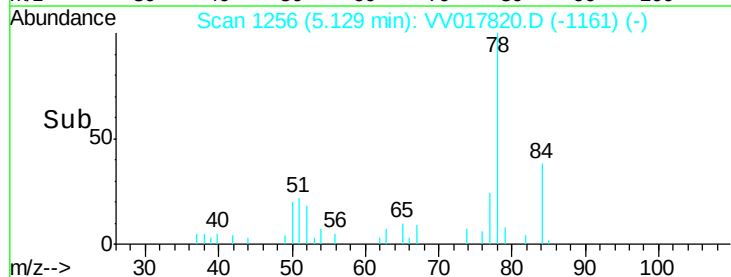
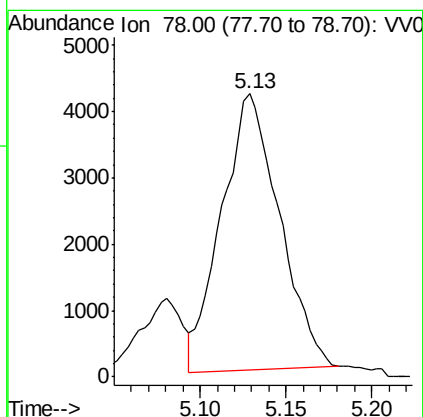
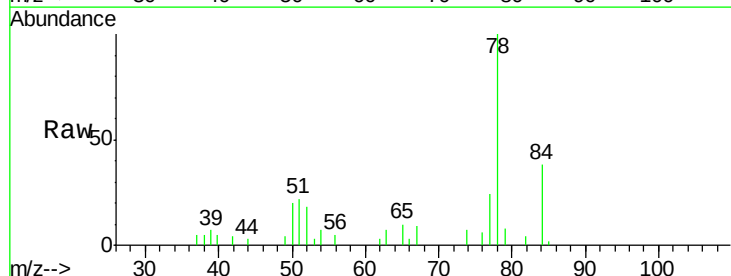
Instrument :
MSVOA_V
ClientSampled :
F4L20

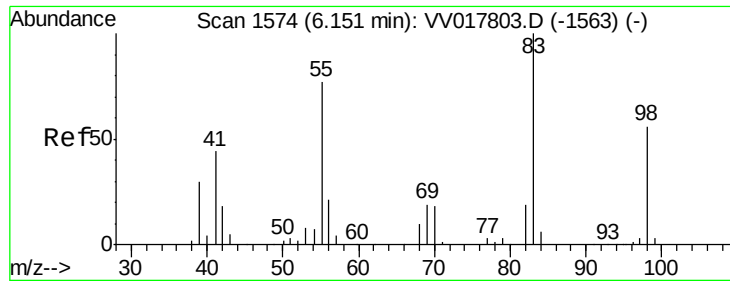
Tot Ion: 56 Resp: 5994
Ion Ratio Lower Upper
56 100
69 13.9 26.1 39.1#
84 36.7 76.6 114.8#



#33
Benzene
Concen: 1.655 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017820.D
Acq: 06 Aug 2020 18:20

Tgt Ion: 78 Resp: 9761

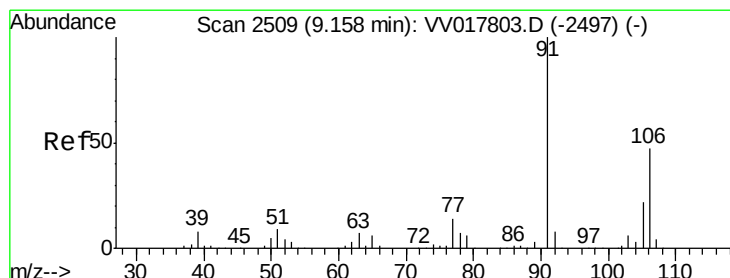
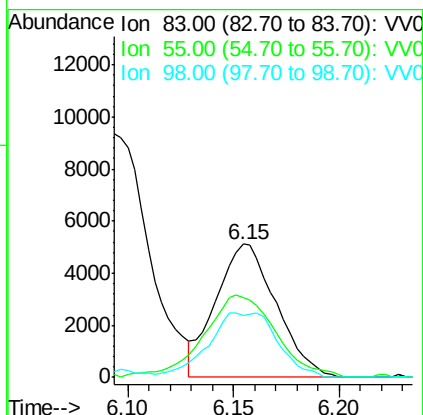
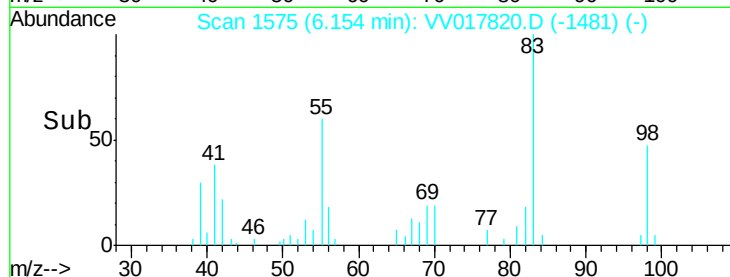
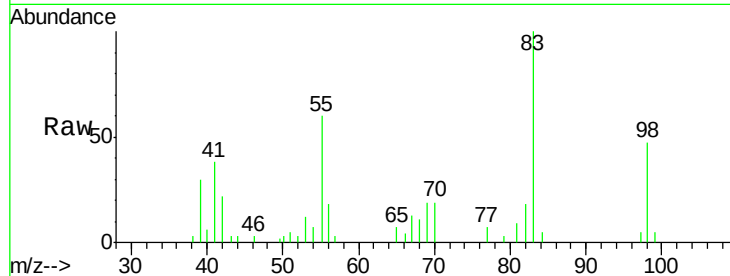




#35
Methylvlcyclohexane
Concen: 4.143 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV017820.D
Acq: 06 Aug 2020 18:20

Instrument :
MSVOA_V
ClientSampled :
F4L20

Tot Ion: 83 Resp: 10184
Ion Ratio Lower Upper
83 100
55 73.7 59.4 89.2
98 26.5 41.2 61.8#



#53
m,p-Xylene
Concen: 0.858 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV017820.D
Acq: 06 Aug 2020 18:20

Tgt Ion: 106 Resp: 2468
Ion Ratio Lower Upper
106 100
91 200.2 145.8 270.8

