

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016284.D
 Acq On : 28 May 2020 18:11
 Operator : SY/MD
 Sample : L2756-07DL 5000X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKW9DL

Quant Time: May 29 02:52:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 01:10:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	86703	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	84269	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38787	5.00	ug/L	0.00

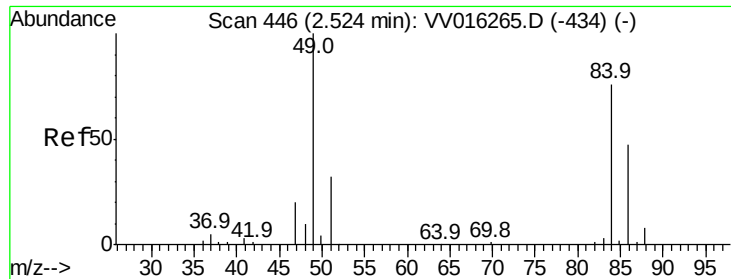
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21621	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.58	69	21407	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.13	63	33430	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	3.94	46	68952	49.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.84%
24) Chloroform-d	4.38	84	47027	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.06	65	27168	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.08	84	94920	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.10	67	29420	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	83684	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
45) trans-1,3-Dichloropropene-	7.65	79	9867	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
48) 2-Hexanone-d5	8.12	63	49291	44.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21363	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	28985	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.53	84	916	0.156	ug/L	80
19) 1,1-Dichloroethane	3.22	63	1686	0.159	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	45721	6.908	ug/L	95
25) Chloroform	4.41	83	3144	0.279	ug/L	94
29) 1,1,1-Trichloroethane	4.63	97	6544	0.654	ug/L	96
33) Benzene	5.13	78	127886	5.274	ug/L	100
34) Trichloroethene	5.94	95	10580	1.675	ug/L	96
40) 4-Methyl-2-pentanone	7.26	43	4919	1.329	ug/L #	84
42) Toluene	7.41	91	240861	9.108	ug/L	100
54) Ethylbenzene	9.04	91	5839	0.198	ug/L	93
55) m,p-xylene	9.16	106	4498	0.407	ug/L	96
56) o-xylene	9.57	106	1814	0.172	ug/L	99
57) Styrene	9.59	104	3808	0.217	ug/L	94

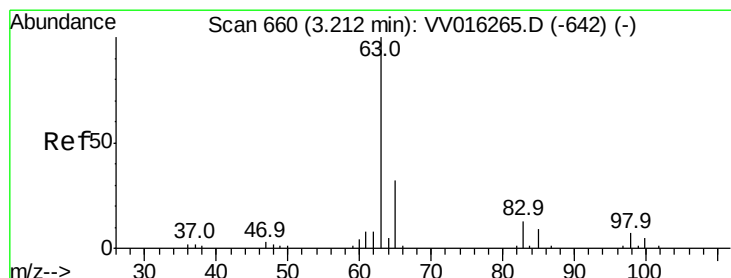
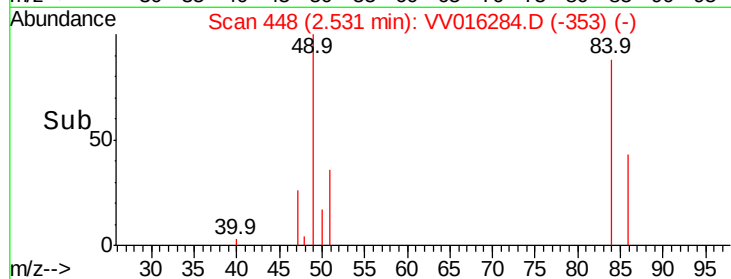
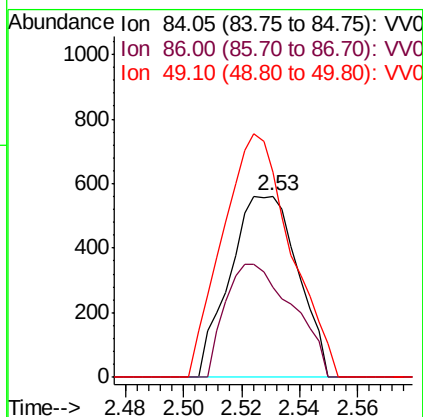
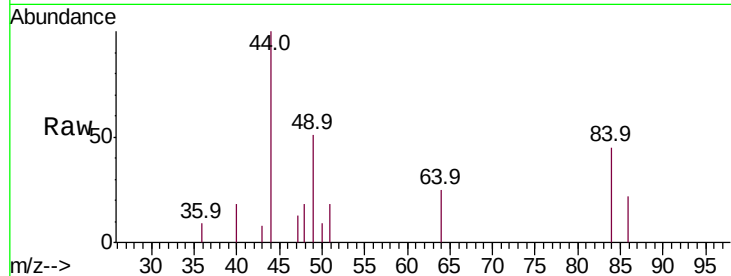
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Methvlene chloride
Concen: 0.156 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.01 min
Lab File: VV016284.D
Acq: 28 May 2020 18:11

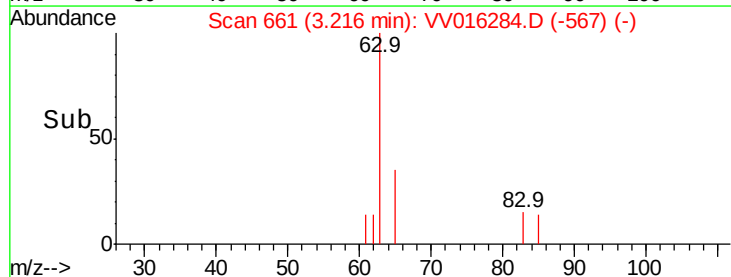
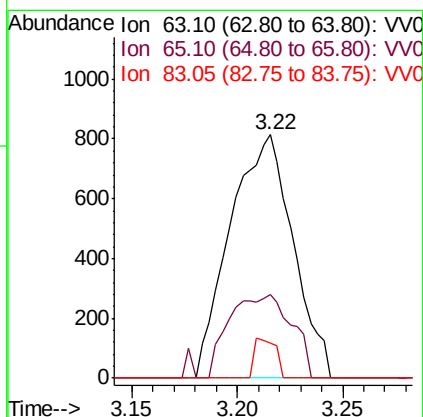
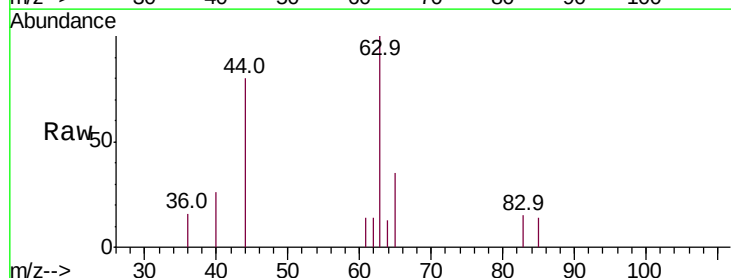
Instrument :
MSVOA_V
ClientSampleId :
ETKW9DL

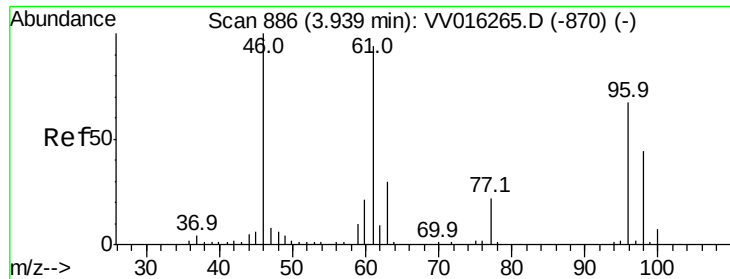
Tot Ion: 84 Resp: 916
Ion Ratio Lower Upper
84 100
86 49.3 44.9 83.5
49 113.3 96.7 179.7



#19
1,1-Dichloroethane
Concen: 0.159 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.00 min
Lab File: VV016284.D
Acq: 28 May 2020 18:11

Tgt Ion: 63 Resp: 1686
Ion Ratio Lower Upper
63 100
65 34.5 22.3 41.5
83 14.6 9.4 17.4





#22

cis-1,2-Dichloroethene

Concen: 6.908 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016284.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

ETKW9DL

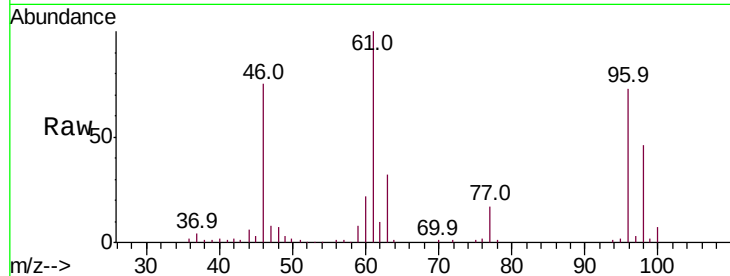
Tot Ion: 96 Resp: 45721

Ion Ratio Lower Upper

96 100

61 136.7 99.7 185.1

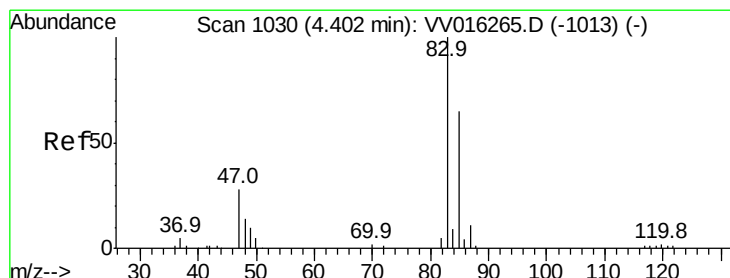
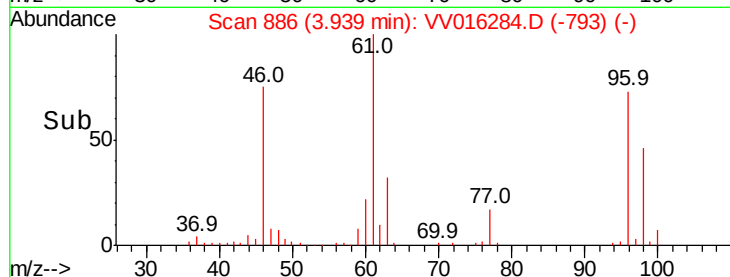
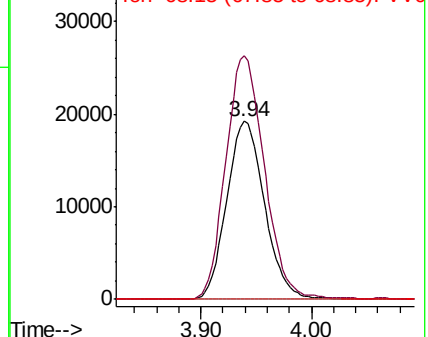
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016265.D (-870) (-)

Ion 61.05 (60.75 to 61.75): VV016265.D (-870) (-)

Ion 68.15 (67.85 to 68.85): VV016265.D (-870) (-)



#25

Chloroform

Concen: 0.279 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV016284.D

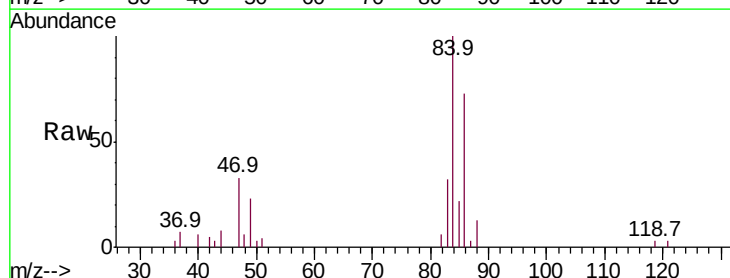
Acq: 28 May 2020 18:11

Tgt Ion: 83 Resp: 3144

Ion Ratio Lower Upper

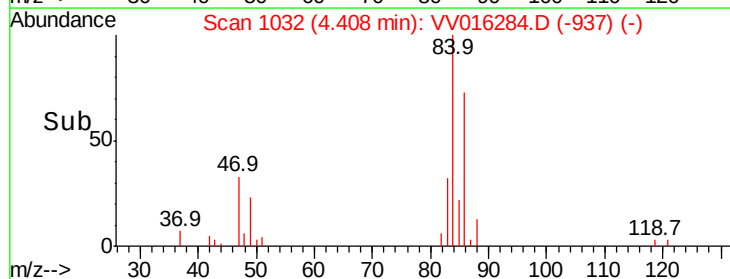
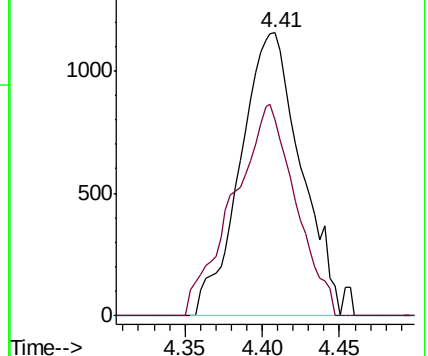
83 100

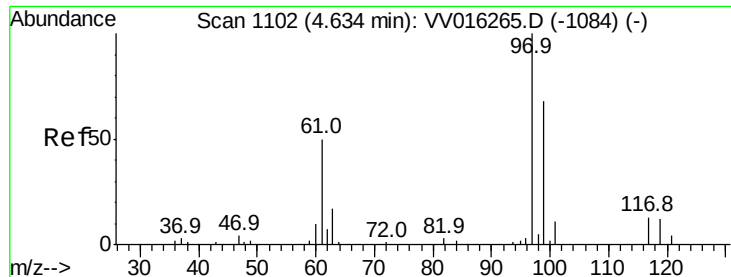
85 69.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV016265.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VV016265.D (-1013) (-)

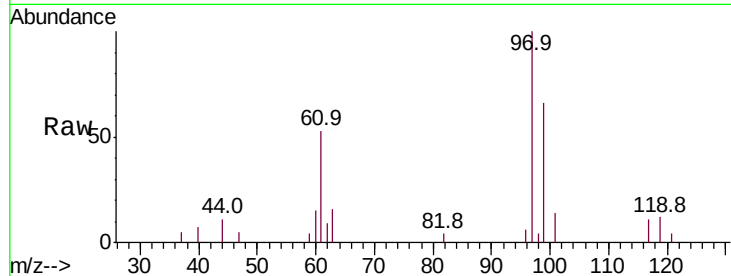




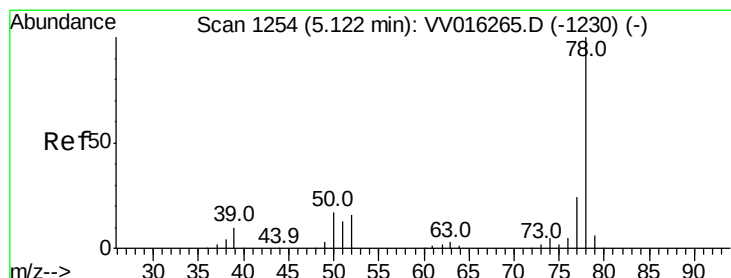
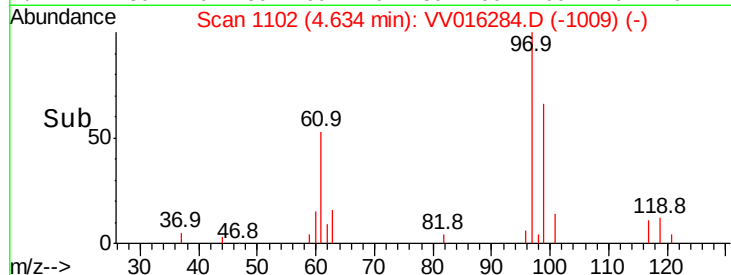
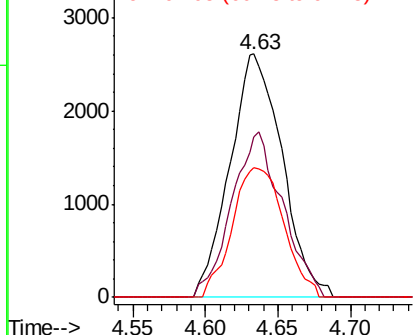
#29
 1,1,1-Trichloroethane
 Concen: 0.654 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV016284.D
 Acq: 28 May 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleID :
 ETKW9DL

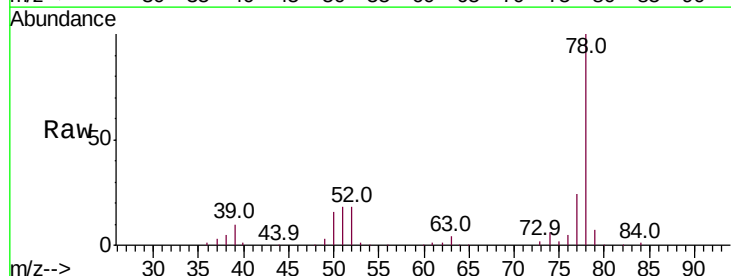
Tot Ion: 97 Resp: 6544
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.2 76.8
 61 52.5 38.6 57.8



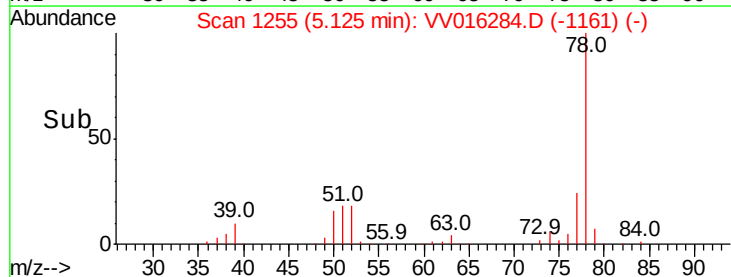
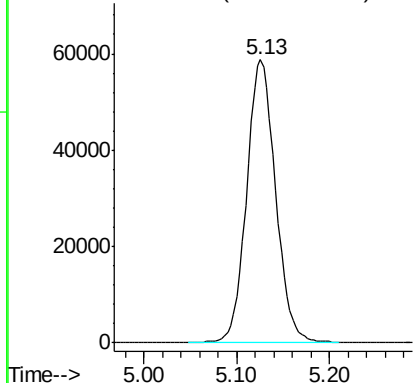
Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

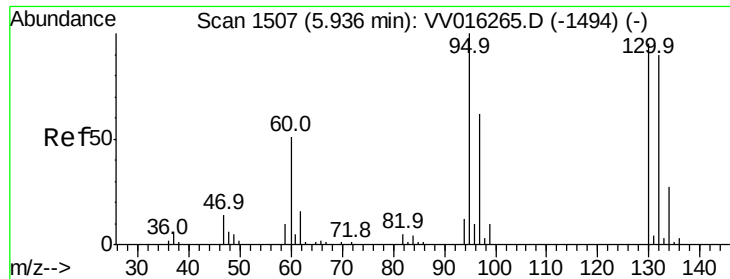


#33
 Benzene
 Concen: 5.274 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV016284.D
 Acq: 28 May 2020 18:11
 Tgt Ion: 78 Resp: 127886



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.675 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016284.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

ETKW9DL

Tot Ion: 95 Resp: 10580

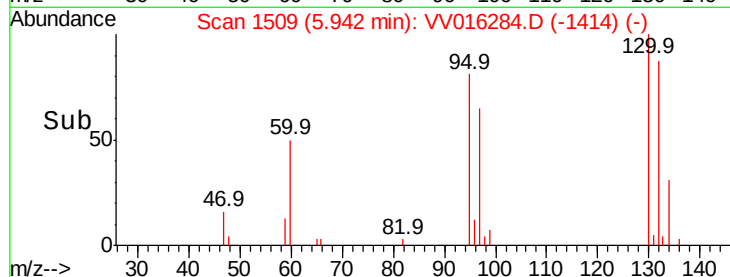
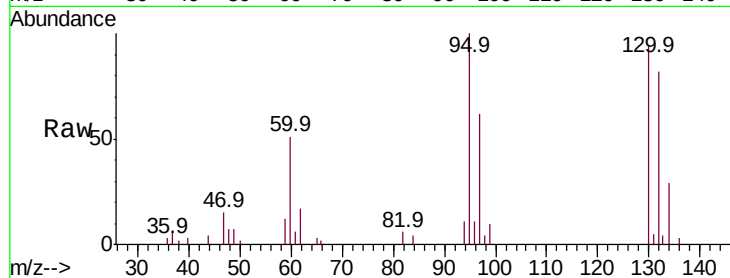
Ion Ratio Lower Upper

95 100

97 61.5 43.6 81.0

132 82.3 63.9 118.7

130 94.4 65.2 121.0



Abundance Ion 95.00 (94.70 to 95.70): VV016284.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016284.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016284.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016284.D (-1414) (-)

Time-->

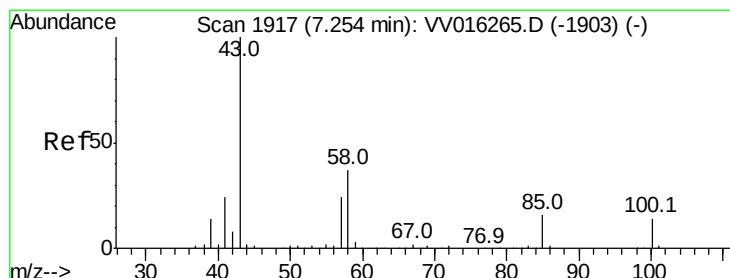
5.94

4000

2000

0

5.90 5.95 6.00



#40

4-Methyl-2-pentanone

Concen: 1.329 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VV016284.D

Acq: 28 May 2020 18:11

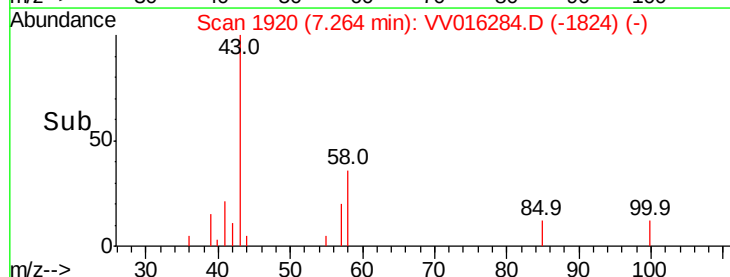
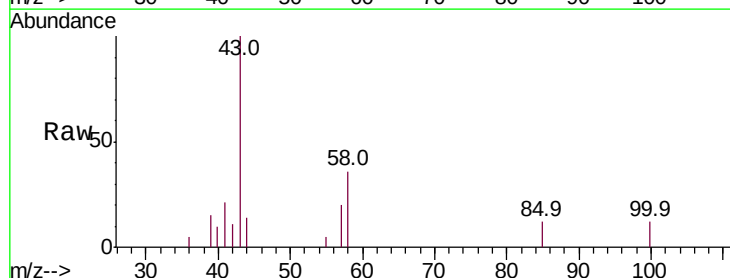
Tgt Ion: 43 Resp: 4919

Ion Ratio Lower Upper

43 100

58 31.3 29.5 44.3

100 0.0 11.1 16.7#



Abundance Ion 43.05 (42.75 to 43.75): VV016284.D (-1824) (-)

Ion 58.05 (57.75 to 58.75): VV016284.D (-1824) (-)

Ion 100.15 (99.85 to 100.85): VV016284.D (-1824) (-)

Time-->

7.26

40000

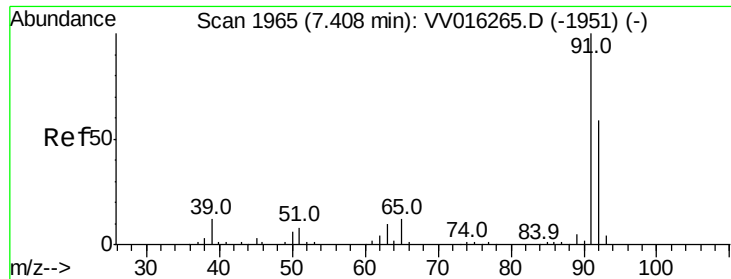
30000

20000

10000

0

7.20 7.25 7.30



#42

Toluene

Concen: 9.108 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016284.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

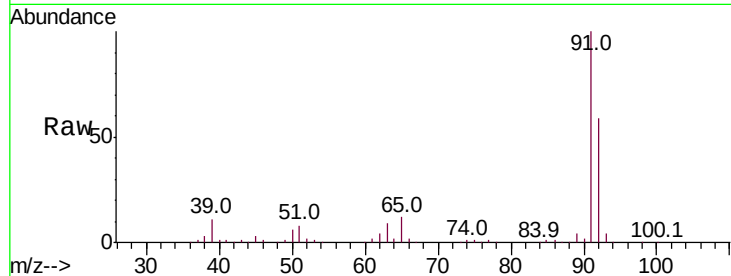
ETKW9DL

Tot Ion: 91 Resp: 240861

Ion Ratio Lower Upper

91 100

92 58.7 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

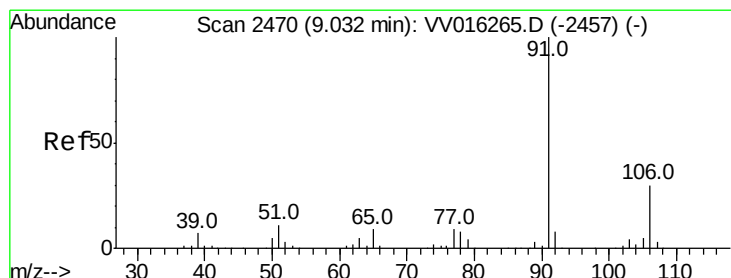
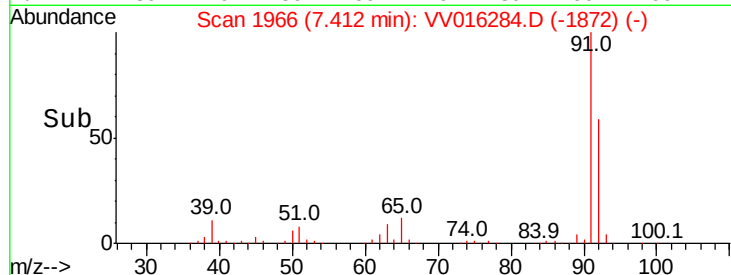
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#54

Ethylbenzene

Concen: 0.198 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016284.D

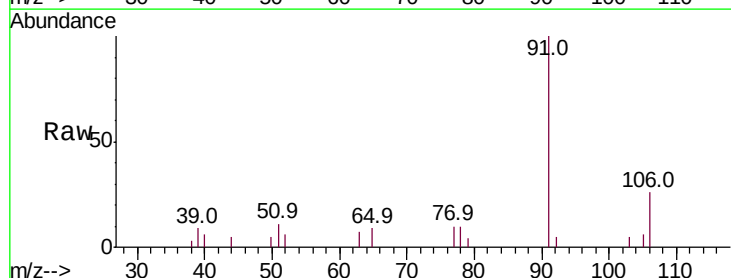
Acq: 28 May 2020 18:11

Tgt Ion: 91 Resp: 5839

Ion Ratio Lower Upper

91 100

106 26.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.04

4000

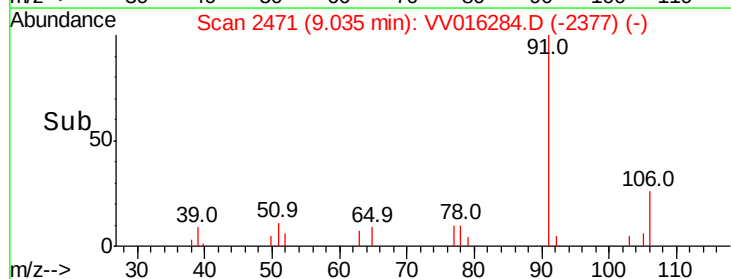
3000

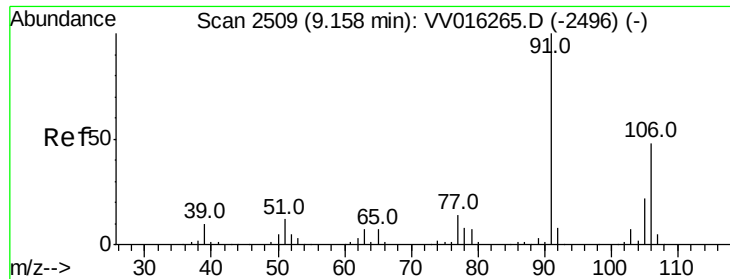
2000

1000

0

Time--> 9.00 9.05 9.10





#55

m,p-xylene

Concen: 0.407 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016284.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

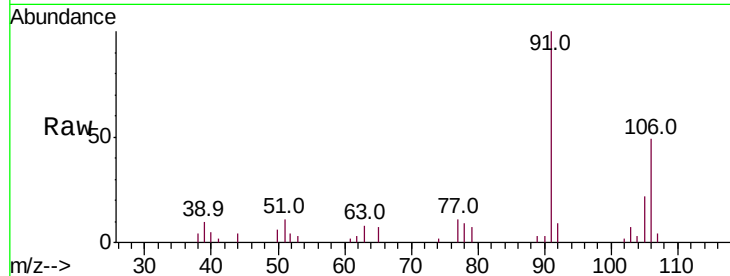
ETKW9DL

Tot Ion:106 Resp: 4498

Ion Ratio Lower Upper

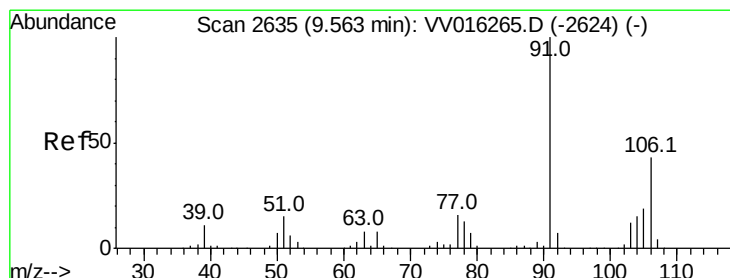
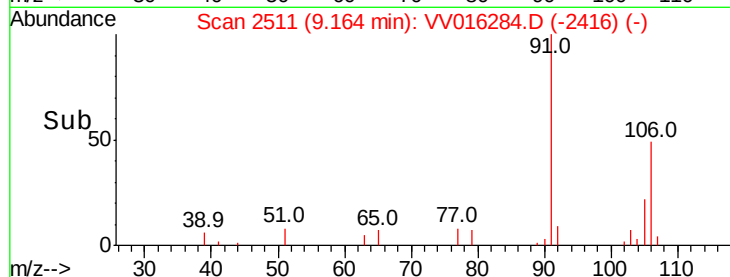
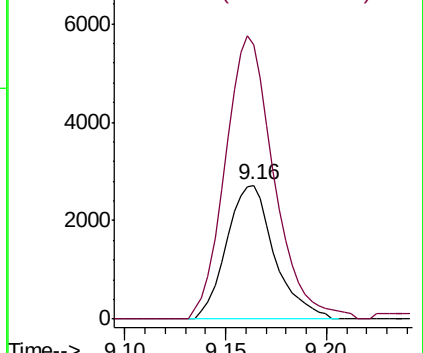
106 100

91 204.6 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.172 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV016284.D

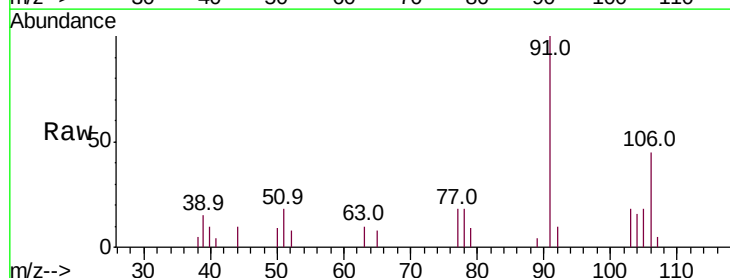
Acq: 28 May 2020 18:11

Tgt Ion:106 Resp: 1814

Ion Ratio Lower Upper

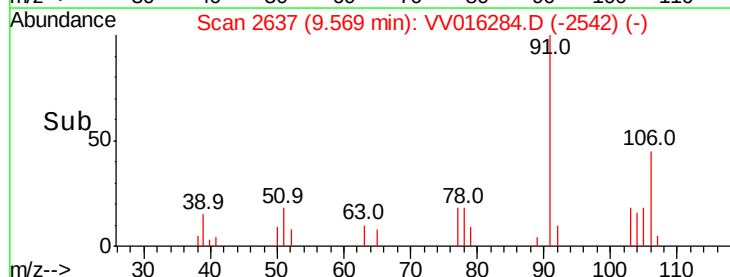
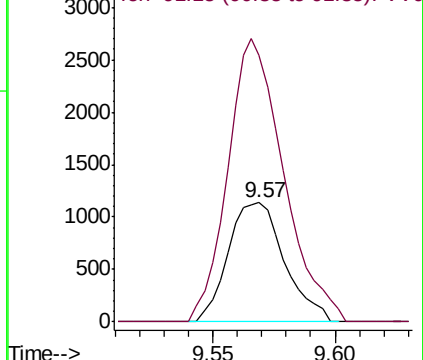
106 100

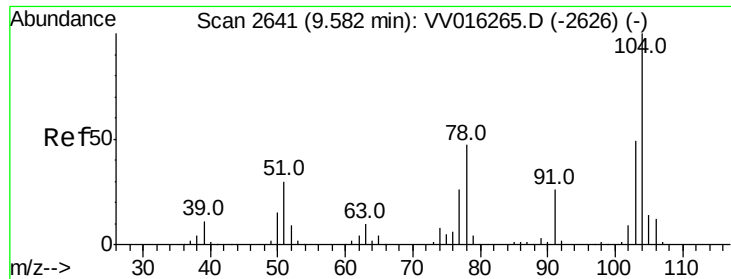
91 224.7 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.217 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV016284.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

ETKW9DL

Tot Ion:104 Resp: 3808

Ion Ratio Lower Upper

104 100

78 43.6 33.2 61.7

