

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016778.D
 Acq On : 10 Jun 2020 18:49
 Operator : SY/MD
 Sample : L2914-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E27

Quant Time: Jun 11 01:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 01:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	357222	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	341434	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	105009	41.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.32%
7) Chloroethane-d5	1.55	69	71773	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.90%
11) 1,1-Dichloroethene-d2	2.11	63	140640	33.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.46%
21) 2-Butanone-d5	3.90	46	166989	89.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.51%
24) Chloroform-d	4.37	84	216647	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.54%
26) 1,2-Dichloroethane-d4	5.05	65	155293	44.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.08%
32) Benzene-d6	5.07	84	430627	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
36) 1,2-Dichloropropane-d6	6.09	67	133349	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.92%
41) Toluene-d8	7.33	98	388828	43.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.10%
43) trans-1,3-Dichloropropene-	7.64	79	63972	40.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.08%
47) 2-Hexanone-d5	8.11	63	97850	73.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	176948	43.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	168075	45.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.58%

Target Compounds

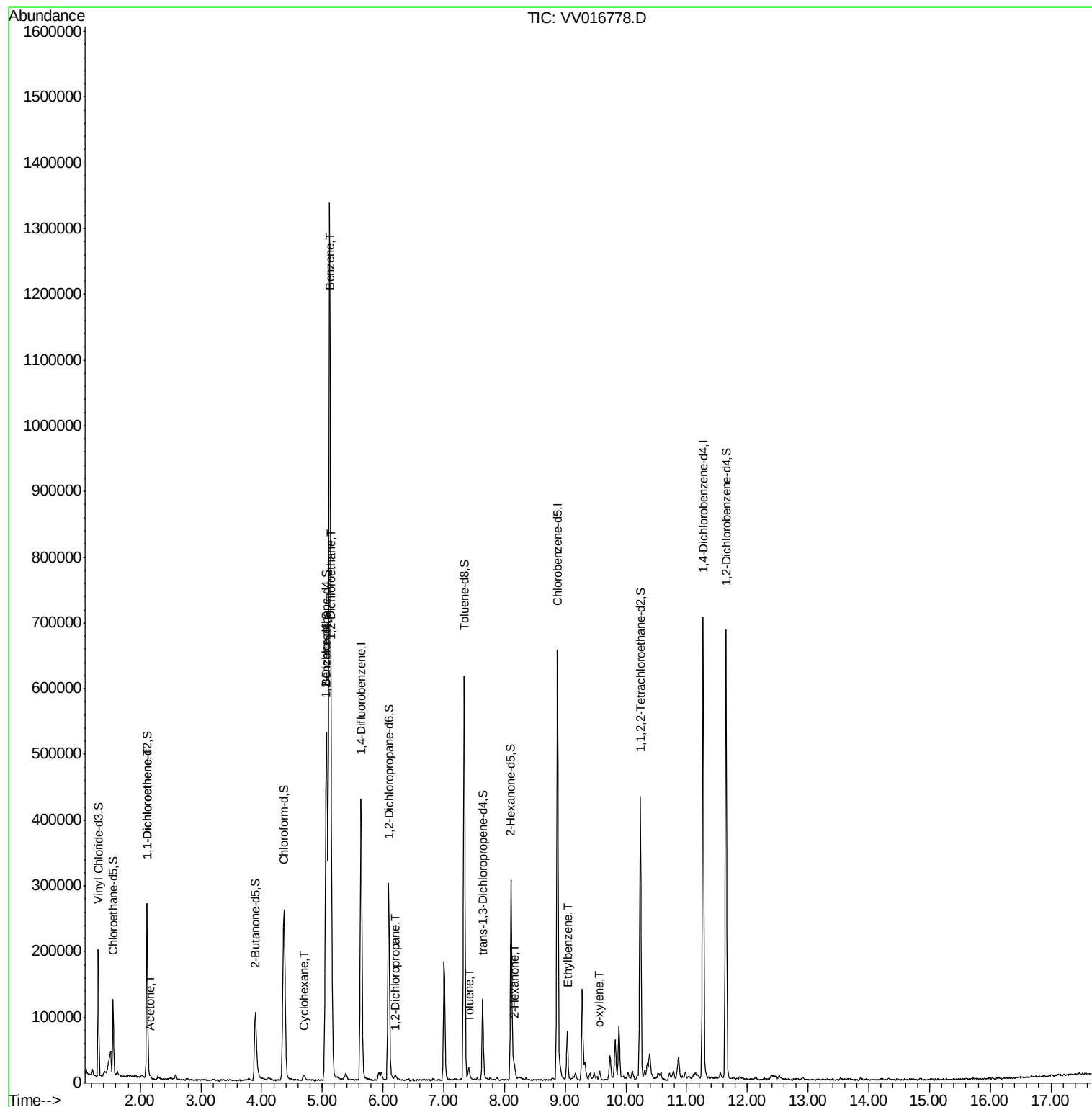
					Ovalue
12) 1,1-Dichloroethene	2.11	96	1268	0.715 ug/L #	1
13) Acetone	2.17	43	4299	3.497 ug/L	91
27) 1,2-Dichloroethane	5.15	62	168442	42.968 ug/L	98
29) Cyclohexane	4.70	56	4015	0.946 ug/L #	84
33) Benzene	5.12	78	1279654	126.673 ug/L	100
37) 1,2-Dichloropropane	6.20	63	2228	0.848 ug/L #	83
42) Toluene	7.41	91	12739	1.196 ug/L	96
48) 2-Hexanone	8.16	43	13808	4.784 ug/L #	79
52) Ethylbenzene	9.04	91	48254	4.091 ug/L	99
54) o-xylene	9.57	106	2881	0.665 ug/L	93

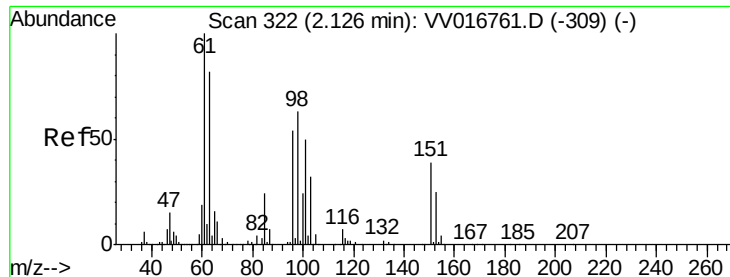
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.715 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV016778.D

Acq: 10 Jun 2020 18:49

Instrument :

MSVOA_V

ClientSampled :

F9E27

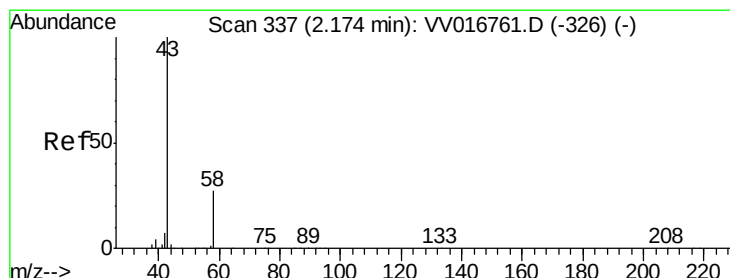
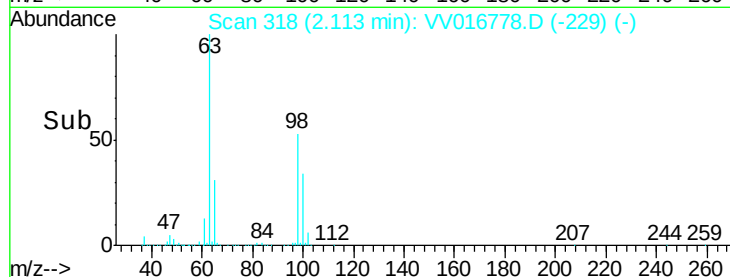
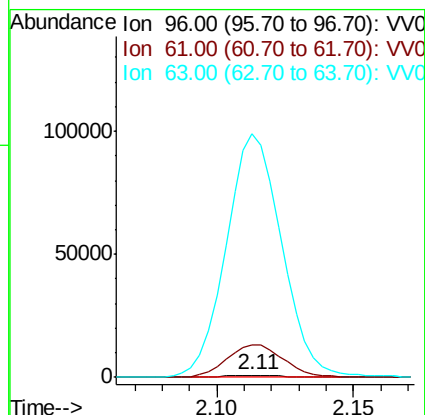
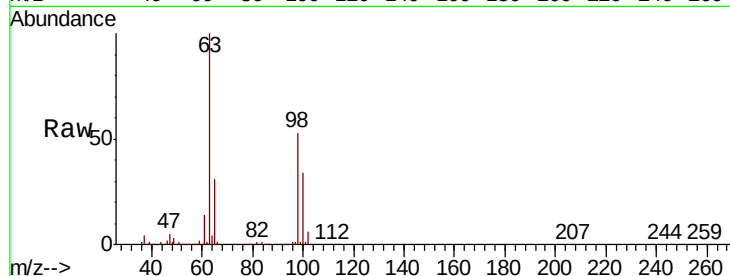
Tot Ion: 96 Resp: 1268

Ion Ratio Lower Upper

96 100

61 1764.5 130.4 242.2#

63 13001.8 103.3 191.9#



#13

Acetone

Concen: 3.497 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016778.D

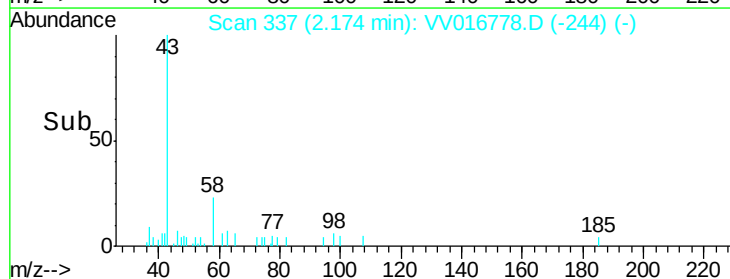
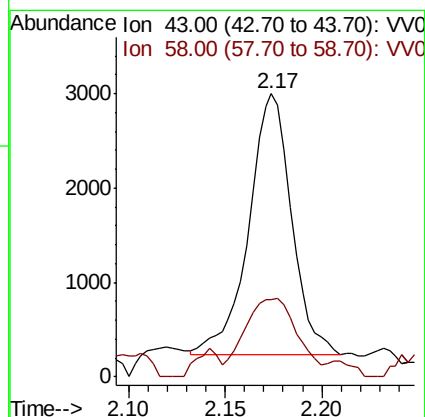
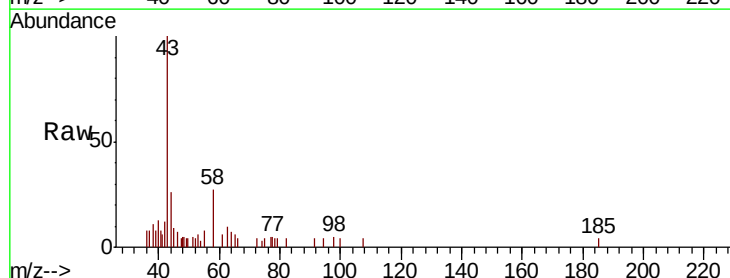
Acq: 10 Jun 2020 18:49

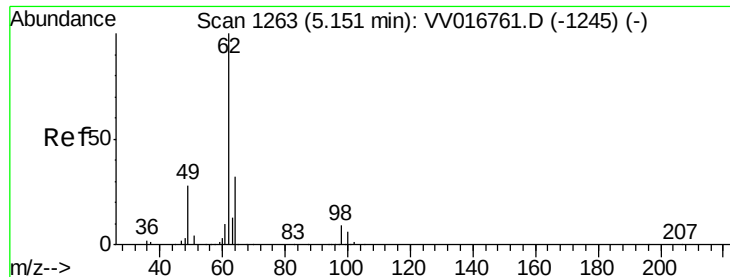
Tgt Ion: 43 Resp: 4299

Ion Ratio Lower Upper

43 100

58 32.4 0.0 55.2

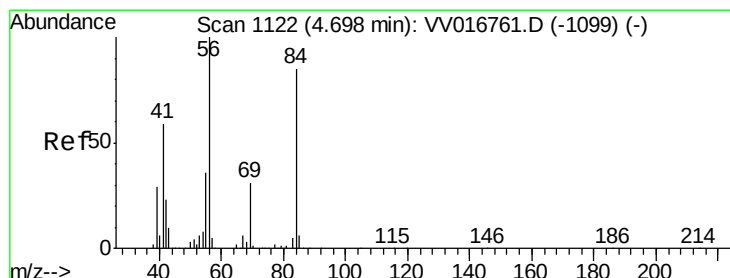
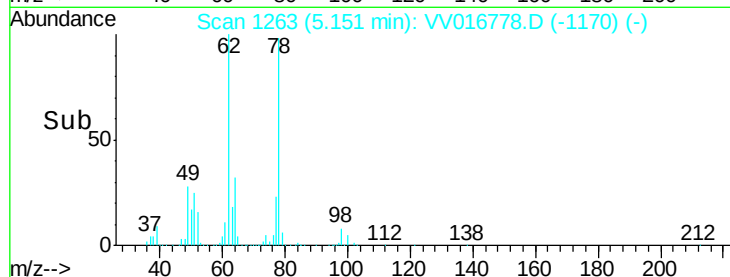
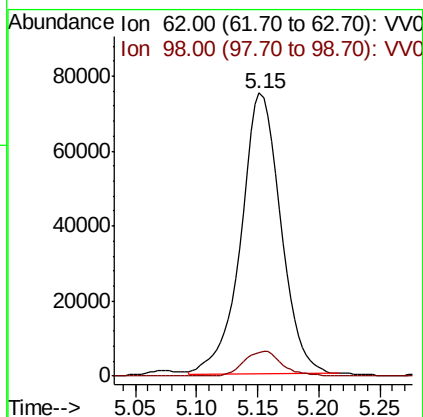
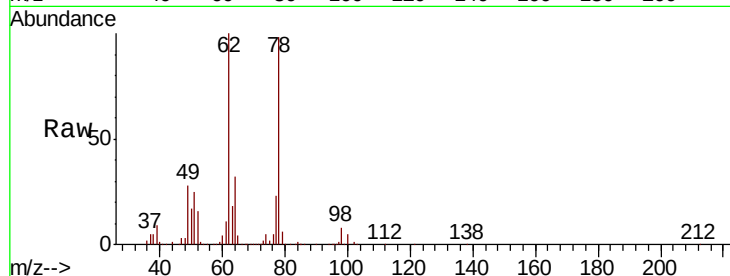




#27
 1,2-Dichloroethane
 Concen: 42.968 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV016778.D
 Acq: 10 Jun 2020 18:49

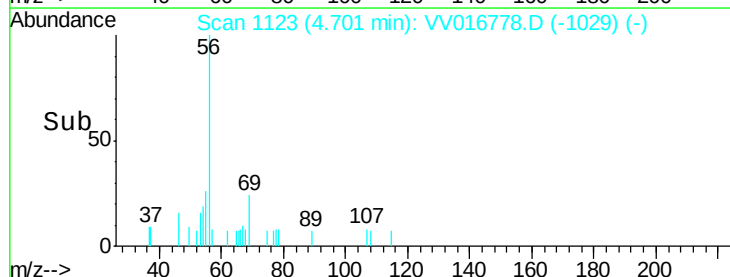
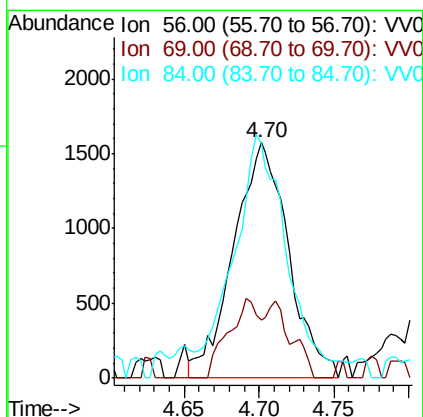
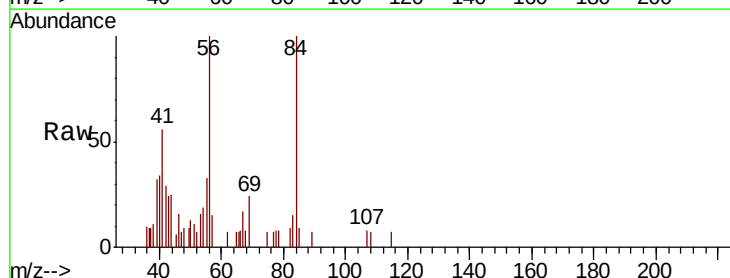
Instrument :
 MSVOA_V
 ClientSampled :
 F9E27

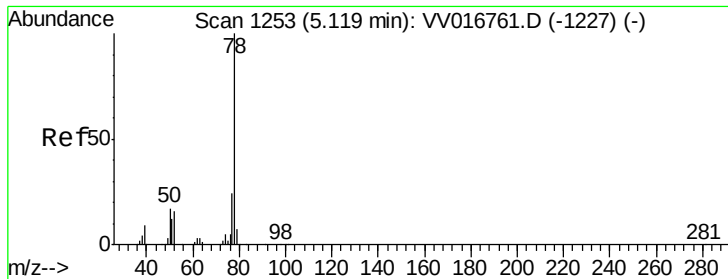
Tot Ion: 62 Resp: 168442
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.4 11.2



#29
 Cyclohexane
 Concen: 0.946 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV016778.D
 Acq: 10 Jun 2020 18:49

Tgt Ion: 56 Resp: 4015
 Ion Ratio Lower Upper
 56 100
 69 18.8 25.0 37.4#
 84 99.1 69.5 104.3

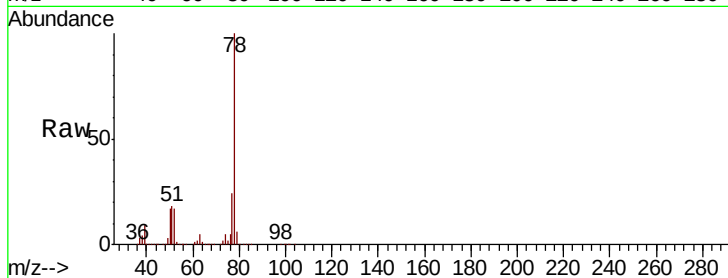




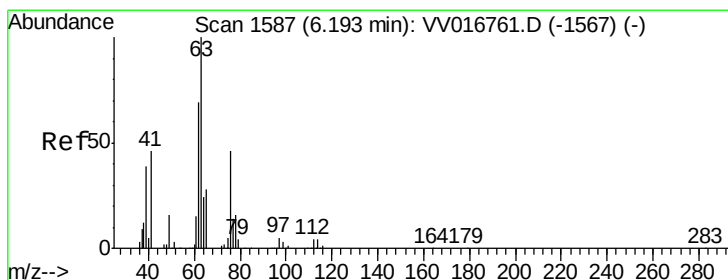
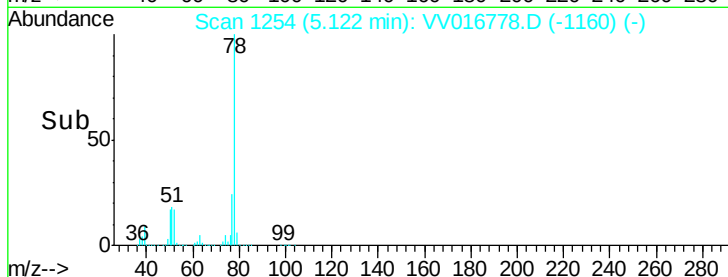
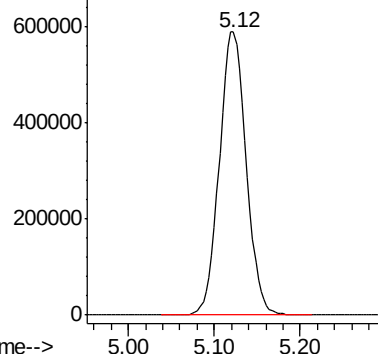
#33
Benzene
Concen: 126.673 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016778.D
Acq: 10 Jun 2020 18:49

Instrument :
MSVOA_V
ClientSampleId :
F9E27

Tgt Ion: 78 Resp: 1279654

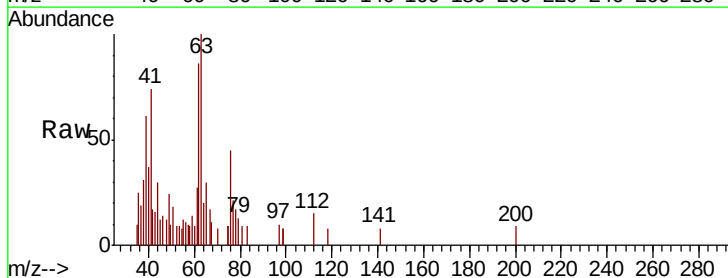


Abundance Ion 78.00 (77.70 to 78.70): VV0

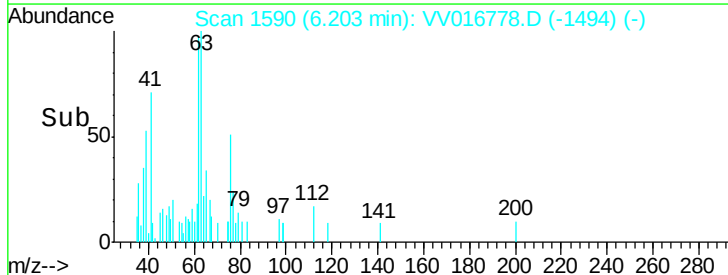
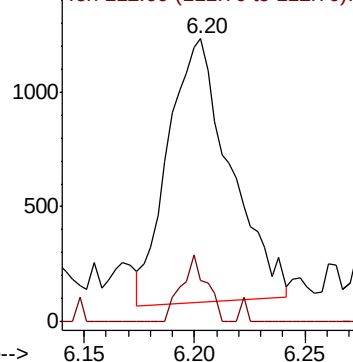


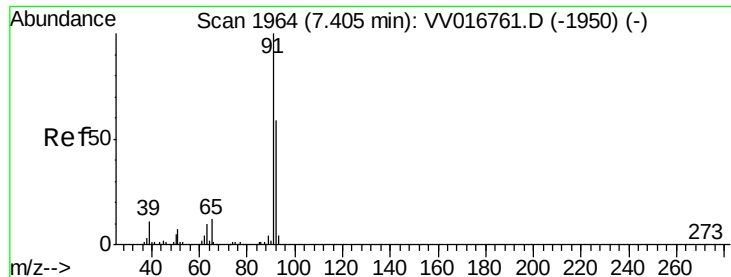
#37
1,2-Dichloropropane
Concen: 0.848 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV016778.D
Acq: 10 Jun 2020 18:49

Tgt Ion: 63 Resp: 2228
Ion Ratio Lower Upper
63 100
112 10.5 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 1.196 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016778.D

Acq: 10 Jun 2020 18:49

Instrument :

MSVOA_V

ClientSampleId :

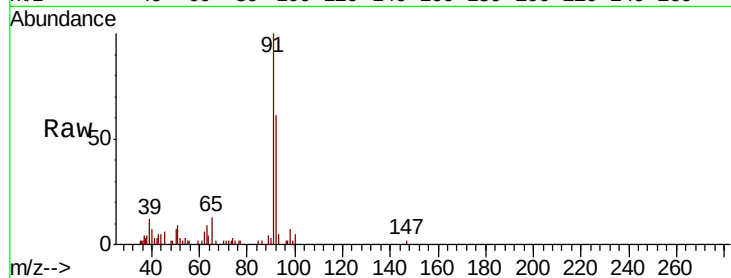
F9E27

Tot Ion: 91 Resp: 12739

Ion Ratio Lower Upper

91 100

92 60.8 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016778.D (-1871) (-)

Ion 92.00 (91.70 to 92.70): VV016778.D (-1871) (-)

7.41

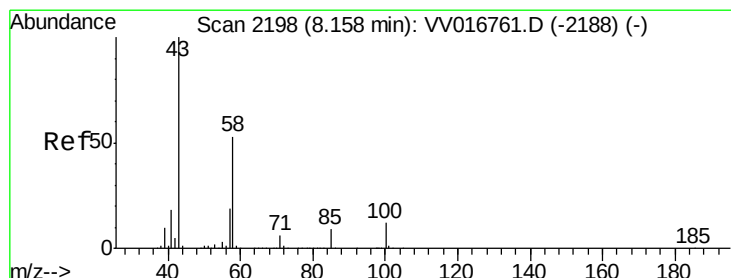
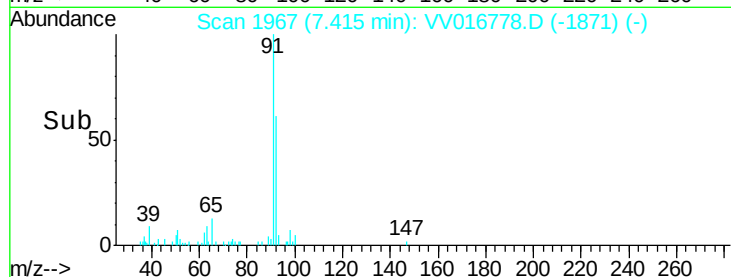
6000

4000

2000

0

Time-->



#48

2-Hexanone

Concen: 4.784 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016778.D

Acq: 10 Jun 2020 18:49

Tgt Ion: 43 Resp: 13808

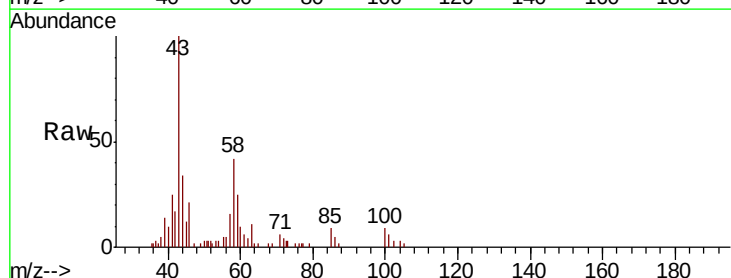
Ion Ratio Lower Upper

43 100

58 34.5 43.1 64.7#

57 14.0 15.3 22.9#

100 9.1 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VV016778.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV016778.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV016778.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV016778.D (-2105) (-)

8.16

12000

10000

8000

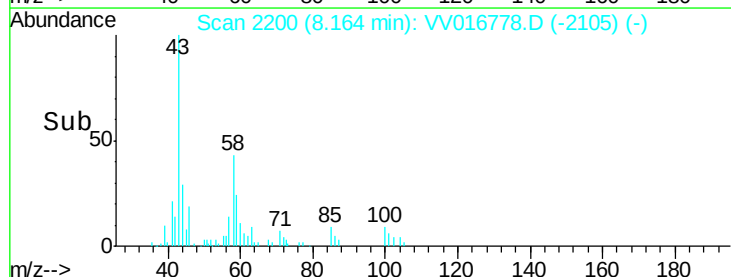
6000

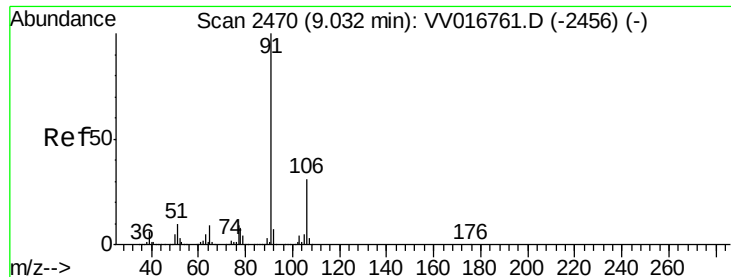
4000

2000

0

Time-->





#52

Ethylbenzene

Concen: 4.091 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016778.D

Acq: 10 Jun 2020 18:49

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ClientSampleId :

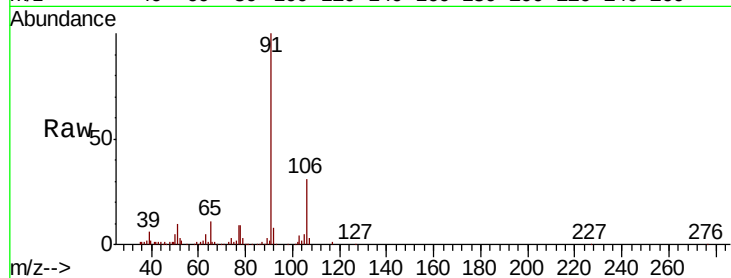
F9E27

Tot Ion: 91 Resp: 48254

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016778.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV016778.D (-2377) (-)

9.04

30000

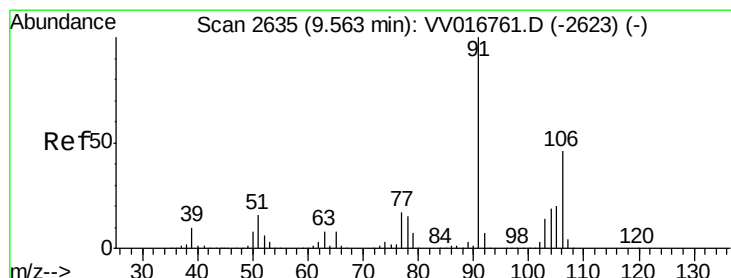
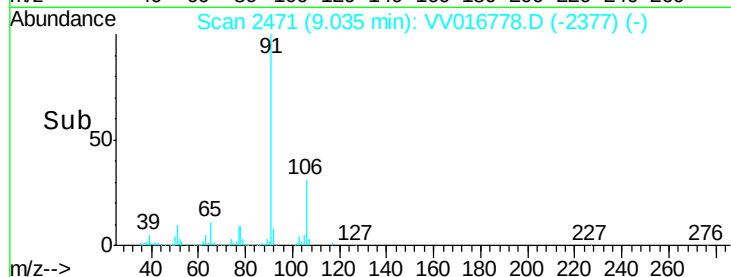
20000

10000

0

Time-->

9.00 9.05 9.10



#54

o-xylene

Concen: 0.665 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016778.D

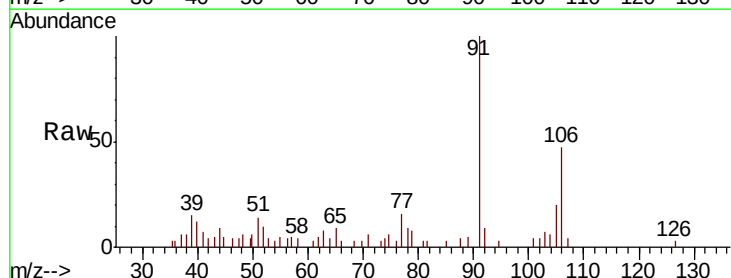
Acq: 10 Jun 2020 18:49

Tgt Ion: 106 Resp: 2881

Ion Ratio Lower Upper

106 100

91 211.8 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): VV016778.D (-2542) (-)

Ion 91.00 (90.70 to 91.70): VV016778.D (-2542) (-)

9.57

4000

3000

2000

1000

0

Time-->

9.55 9.60

