

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016311.D
 Acq On : 29 May 2020 05:57
 Operator : SY/MD
 Sample : L2662-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B25

Quant Time: May 29 07:12:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119573	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	114236	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	60190	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29780	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.58	69	23080	3.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.40%
11) 1,1-Dichloroethene-d2	2.13	63	43795	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.94	46	92016	48.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.38	84	63108	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.06	65	34655	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
32) Benzene-d6	5.07	84	130758	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.10	67	39939	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	121585	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
45) trans-1,3-Dichloropropene-	7.65	79	13532	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
48) 2-Hexanone-d5	8.12	63	77210	51.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.18%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28682	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	47531	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

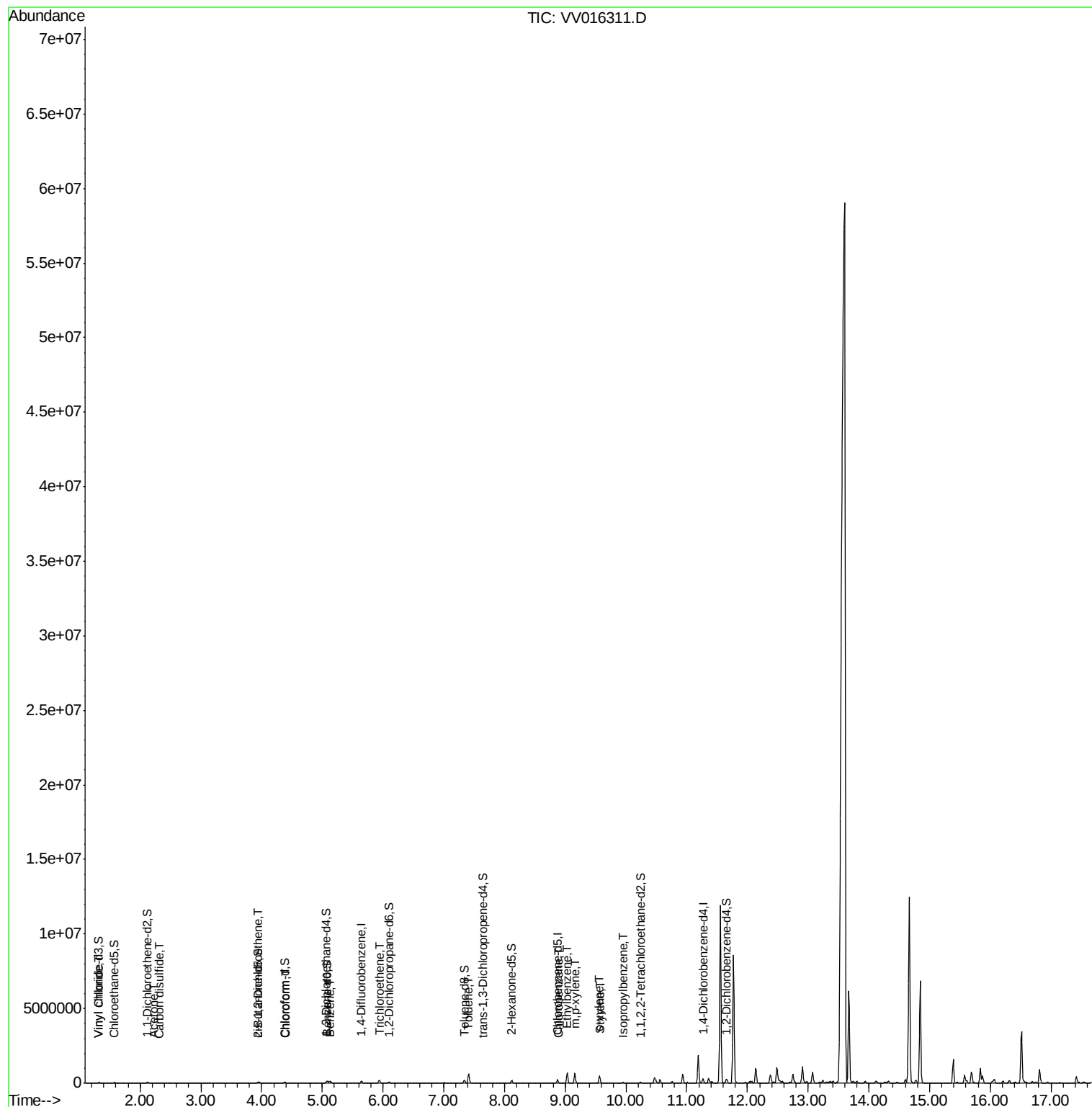
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	4126	0.394	ug/L #	72
13) Acetone	2.23	43	22140	18.776	ug/L	96
14) Carbon disulfide	2.31	76	2677	0.122	ug/L #	83
22) cis-1,2-Dichloroethene	3.94	96	18055	1.978	ug/L	90
25) Chloroform	4.41	83	4083	0.263	ug/L	93
33) Benzene	5.13	78	120023	3.651	ug/L	100
34) Trichloroethene	5.94	95	74162	8.660	ug/L	96
42) Toluene	7.41	91	431131	12.026	ug/L	99
53) Chlorobenzene	8.90	112	1672	0.075	ug/L #	83
54) Ethylbenzene	9.03	91	466432	11.672	ug/L	100
55) m,p-xylene	9.16	106	175420	11.707	ug/L	98
56) o-xylene	9.57	106	119267	8.352	ug/L	96
57) Styrene	9.58	104	27375	1.152	ug/L #	78
58) Isopropylbenzene	9.95	105	30288	0.774	ug/L	98

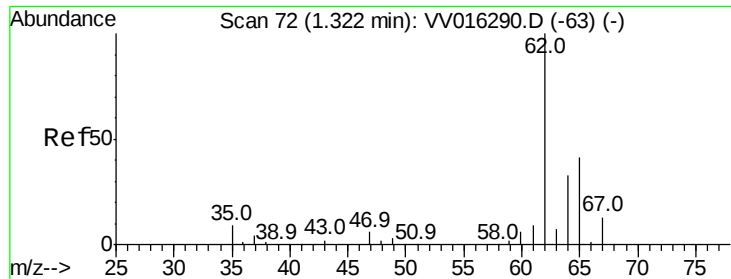
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.394 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

Instrument :

MSVOA_V

ClientSampleId :

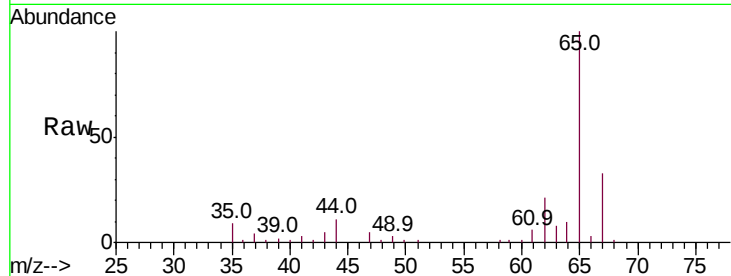
F9B25

Tot Ion: 62 Resp: 4126

Ion Ratio Lower Upper

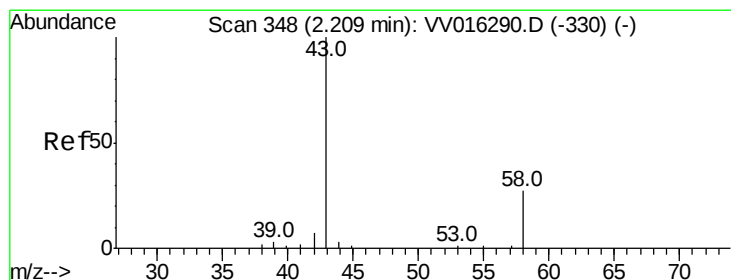
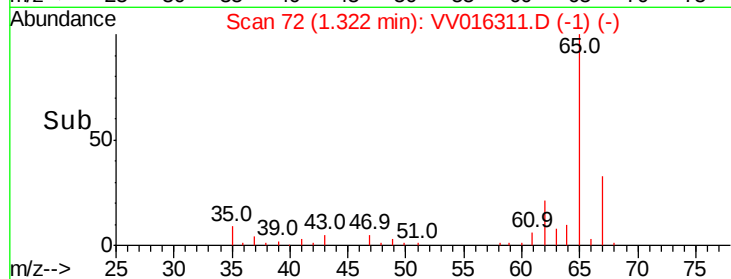
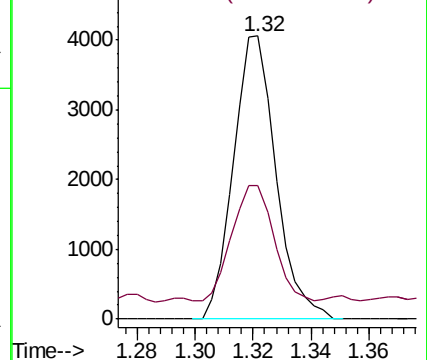
62 100

64 47.1 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#13

Acetone

Concen: 18.776 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.02 min

Lab File: VV016311.D

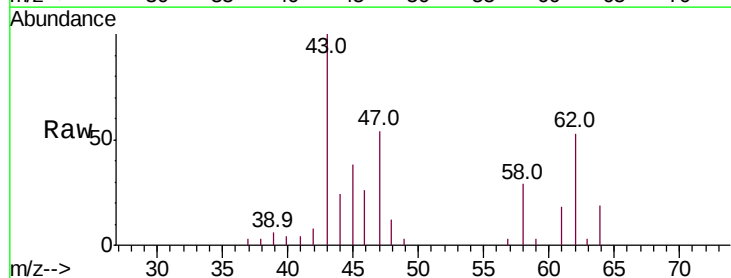
Acq: 29 May 2020 05:57

Tgt Ion: 43 Resp: 22140

Ion Ratio Lower Upper

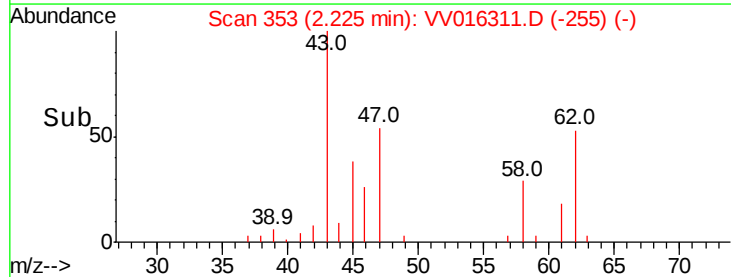
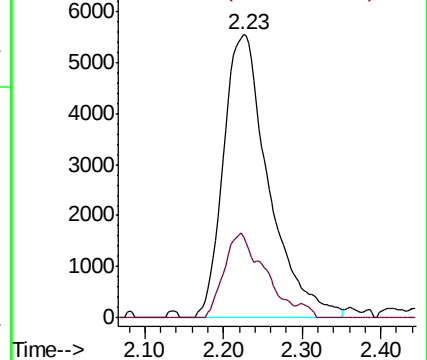
43 100

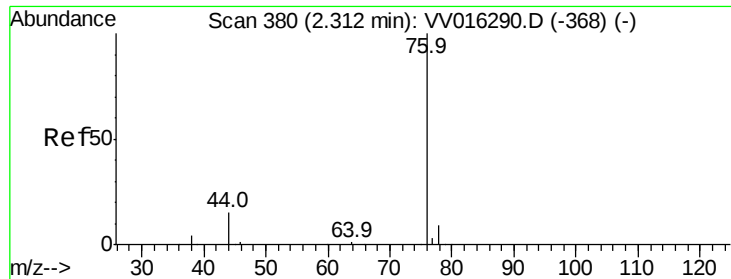
58 26.6 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.122 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

Instrument :

MSVOA_V

ClientSampleId :

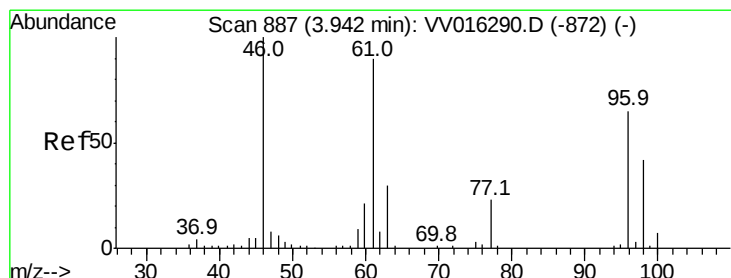
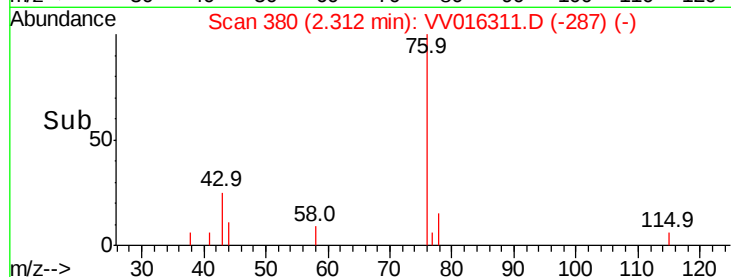
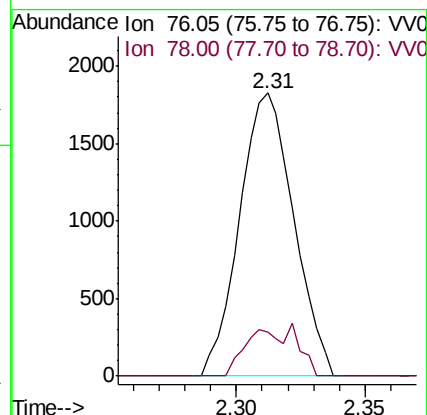
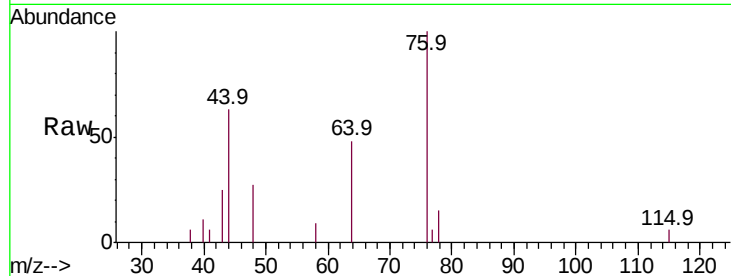
F9B25

Tot Ion: 76 Resp: 2677

Ion Ratio Lower Upper

76 100

78 15.5 7.4 11.0#



#22

cis-1,2-Dichloroethene

Concen: 1.978 ug/L

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

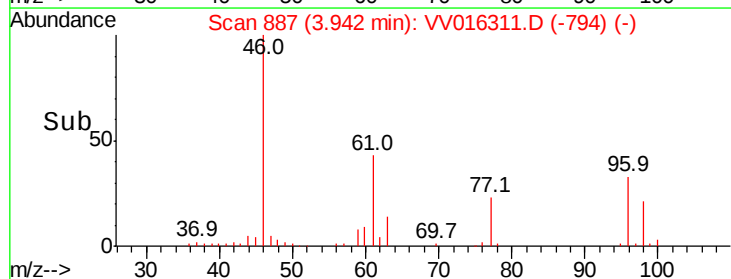
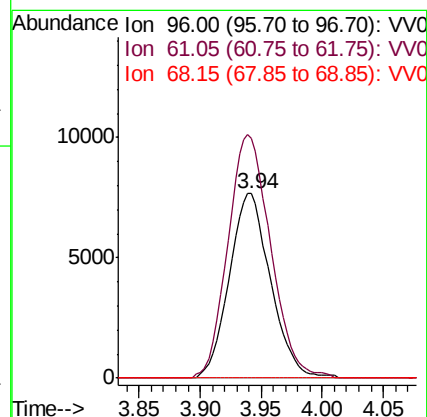
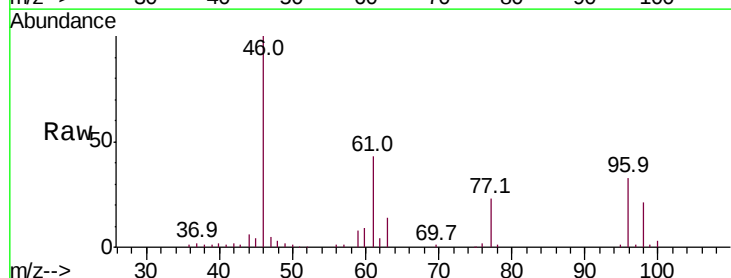
Tgt Ion: 96 Resp: 18055

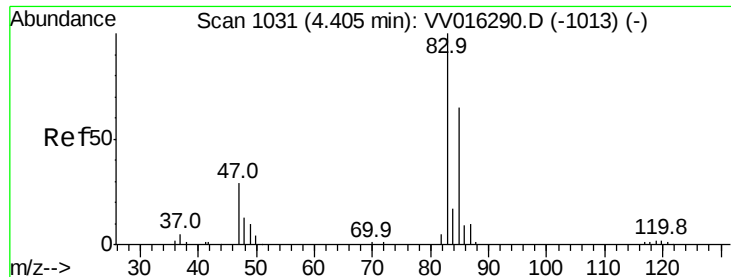
Ion Ratio Lower Upper

96 100

61 129.8 99.7 185.1

68 0.0 0.0 0.0

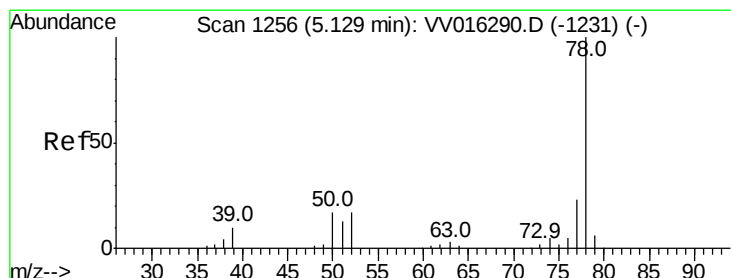
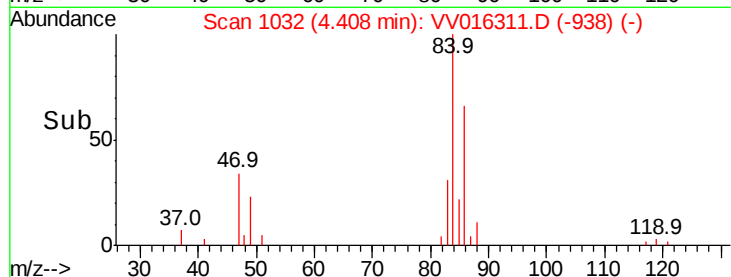
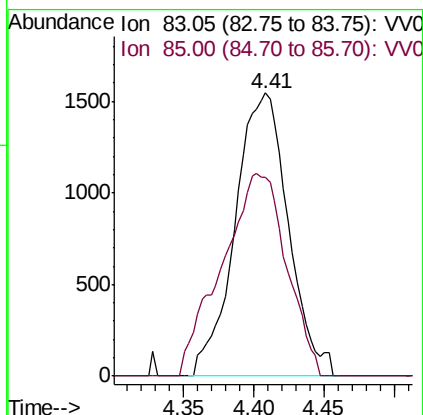
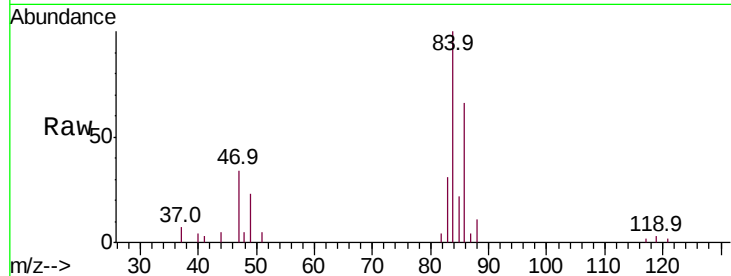




#25
Chloroform
Concen: 0.263 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016311.D
Acq: 29 May 2020 05:57

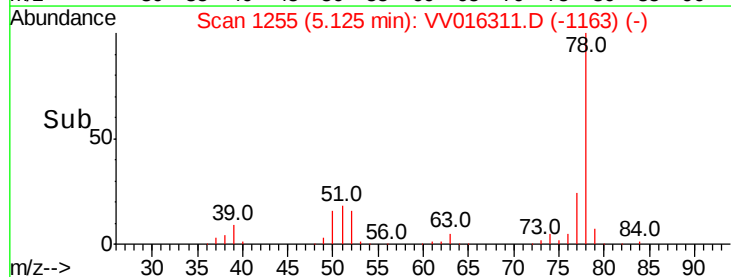
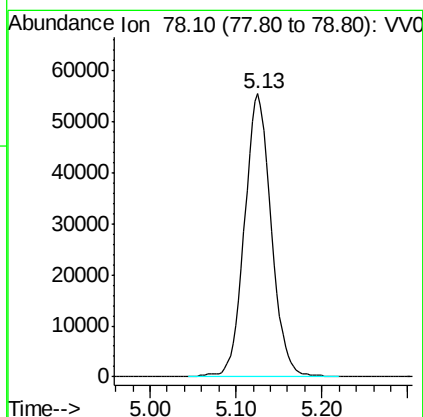
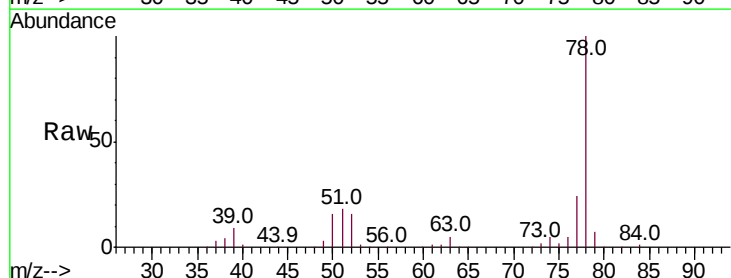
Instrument :
MSVOA_V
ClientSampleId :
F9B25

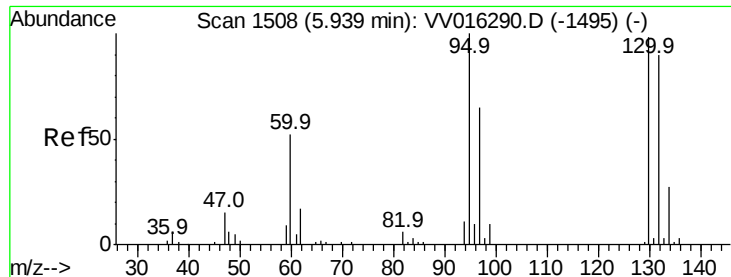
Tot Ion: 83 Resp: 4083
Ion Ratio Lower Upper
83 100
85 70.2 45.1 83.7



#33
Benzene
Concen: 3.651 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV016311.D
Acq: 29 May 2020 05:57

Tgt Ion: 78 Resp: 120023





#34

Trichloroethene

Concen: 8.660 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

Instrument :

MSVOA_V

ClientSampleId :

F9B25

Tot Ion: 95 Resp: 74162

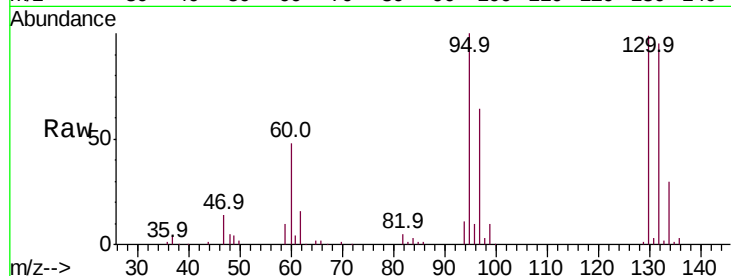
Ion Ratio Lower Upper

95 100

97 64.4 43.6 81.0

132 95.0 63.9 118.7

130 98.8 65.2 121.0

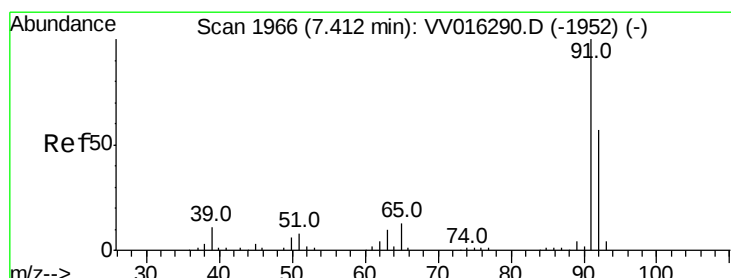
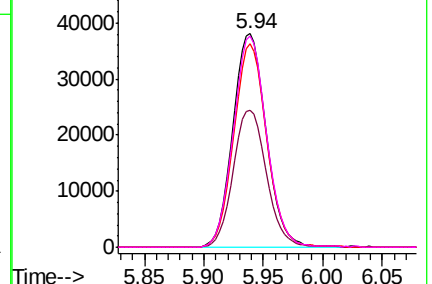
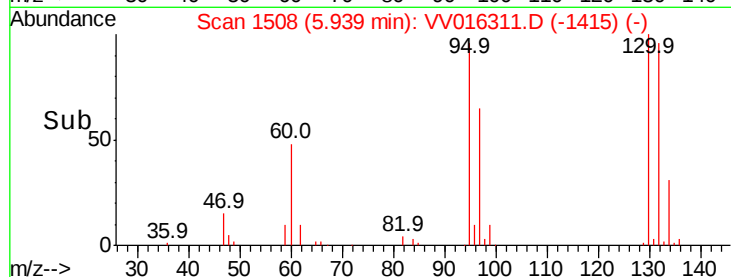


Abundance Ion 95.00 (94.70 to 95.70): VV016311.D (-1415) (-)

Ion 96.95 (96.65 to 97.65): VV016311.D (-1415) (-)

Ion 131.95 (131.65 to 132.65): VV016311.D (-1415) (-)

Ion 129.95 (129.65 to 130.65): VV016311.D (-1415) (-)



#42

Toluene

Concen: 12.026 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016311.D

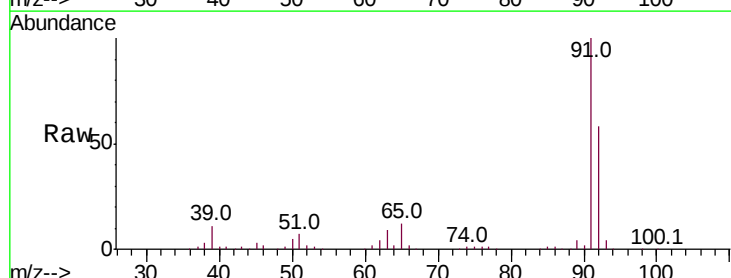
Acq: 29 May 2020 05:57

Tgt Ion: 91 Resp: 431131

Ion Ratio Lower Upper

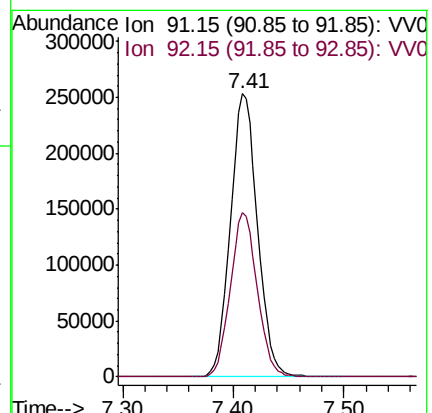
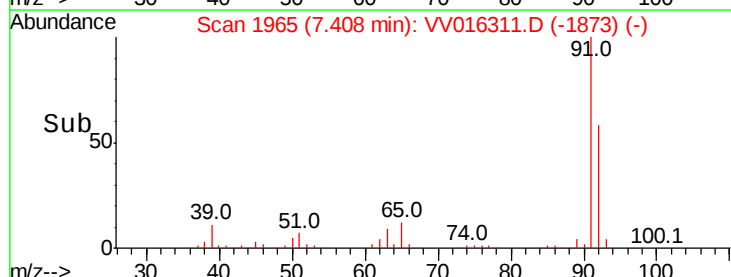
91 100

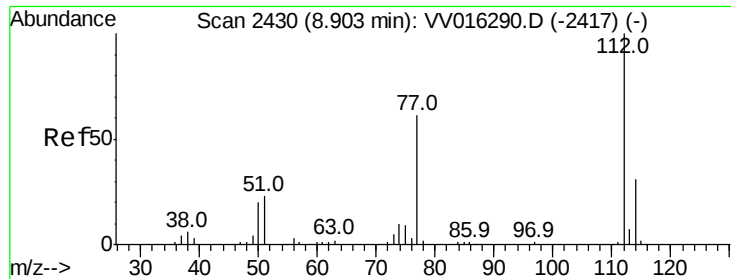
92 58.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016311.D (-1873) (-)

Ion 92.15 (91.85 to 92.85): VV016311.D (-1873) (-)

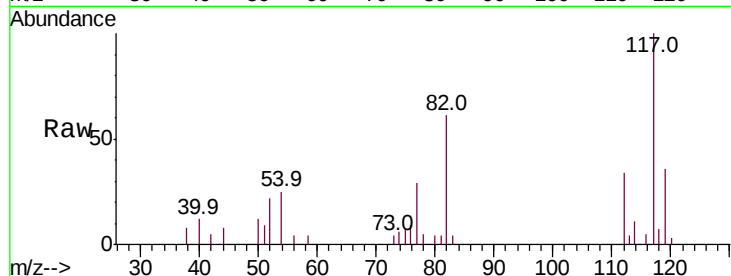




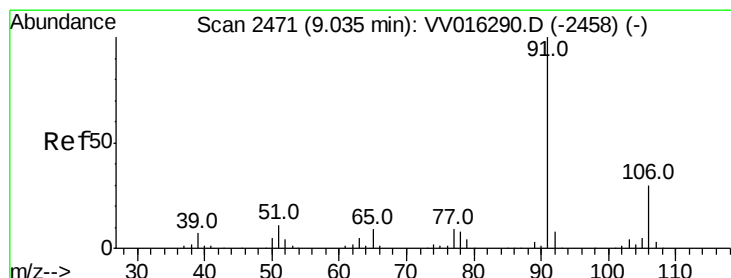
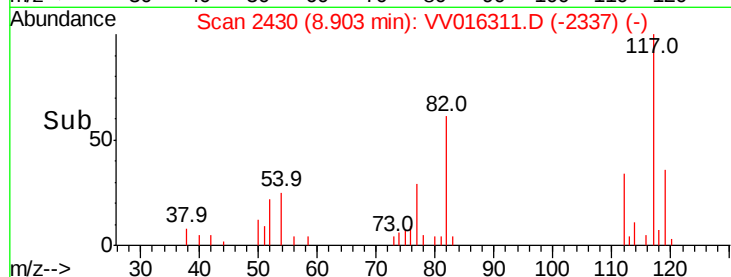
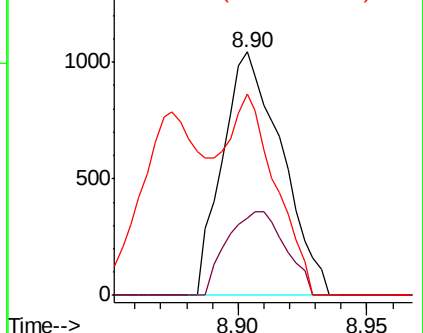
#53
Chlorobenzene
Concen: 0.075 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016311.D
Acq: 29 May 2020 05:57

Instrument :
MSVOA_V
ClientSampleId :
F9B25

Tot Ion:112 Resp: 1672
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 82.8 50.7 76.1#

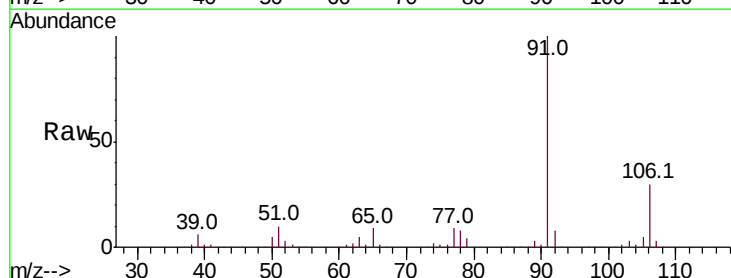


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

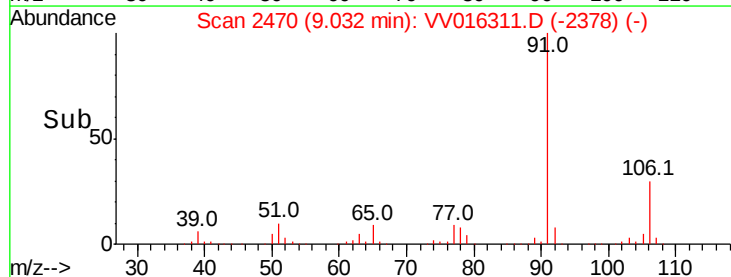
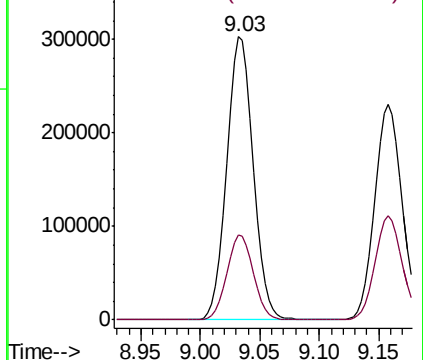


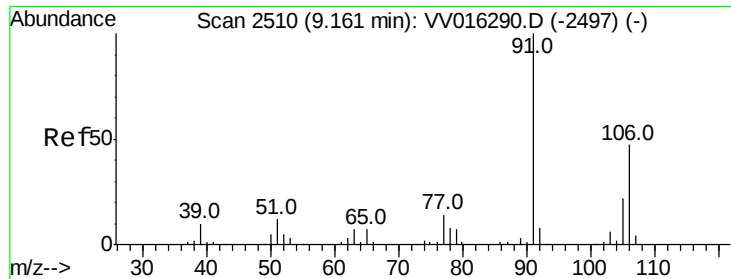
#54
Ethylbenzene
Concen: 11.672 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016311.D
Acq: 29 May 2020 05:57

Tgt Ion: 91 Resp: 466432
Ion Ratio Lower Upper
91 100
106 29.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 11.707 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

Instrument :

MSVOA_V

ClientSampled :

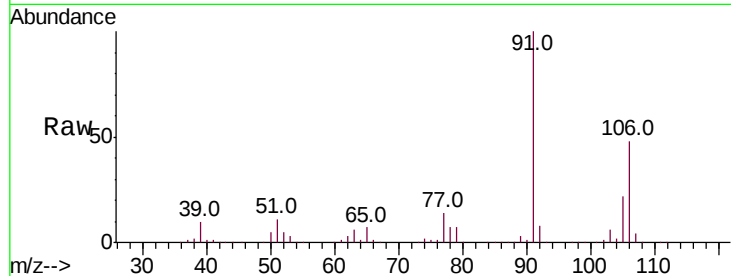
F9B25

Tot Ion:106 Resp: 175420

Ion Ratio Lower Upper

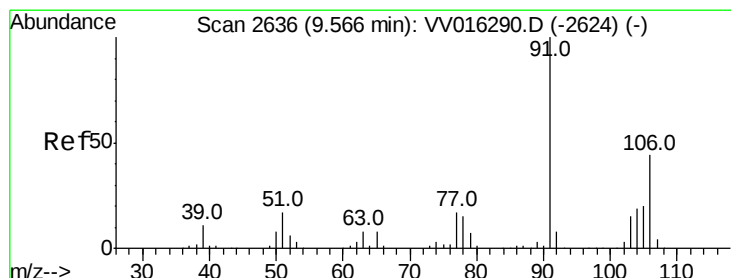
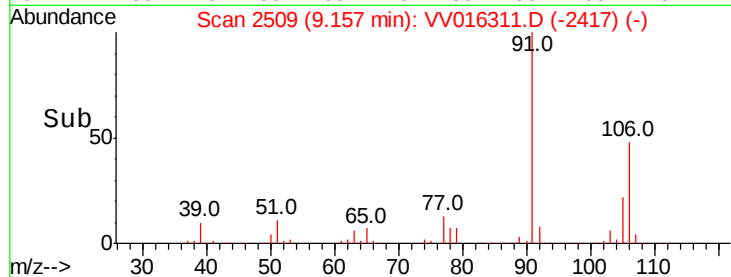
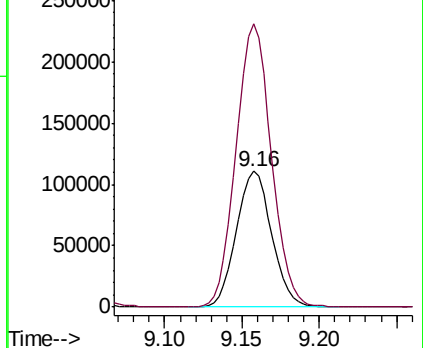
106 100

91 208.0 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 8.352 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016311.D

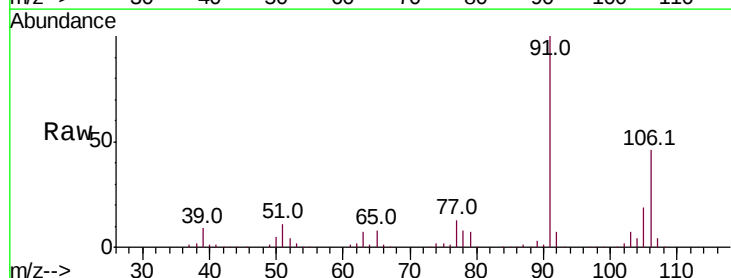
Acq: 29 May 2020 05:57

Tgt Ion:106 Resp: 119267

Ion Ratio Lower Upper

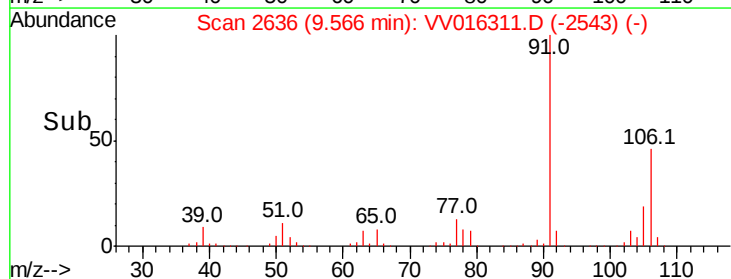
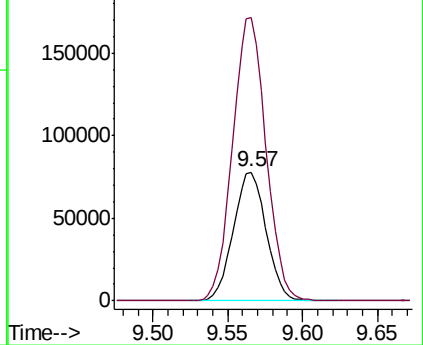
106 100

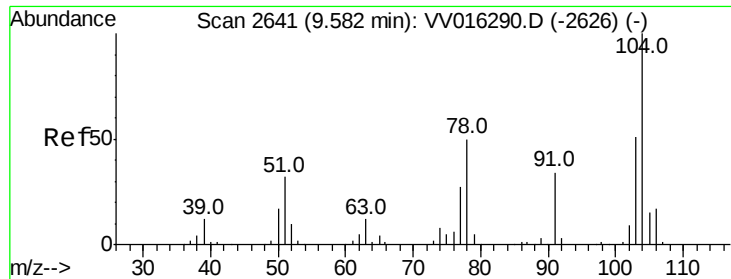
91 219.5 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 1.152 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

Instrument :

MSVOA_V

ClientSampleId :

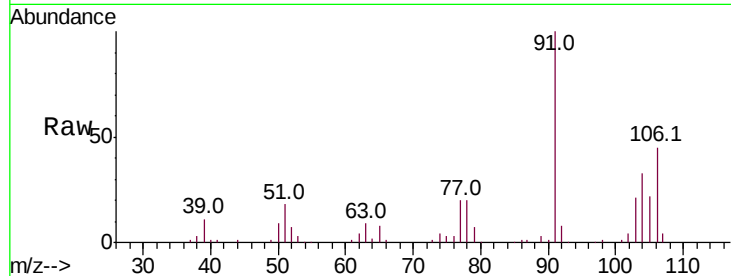
F9B25

Tot Ion:104 Resp: 27375

Ion Ratio Lower Upper

104 100

78 62.3 33.2 61.7#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

15000

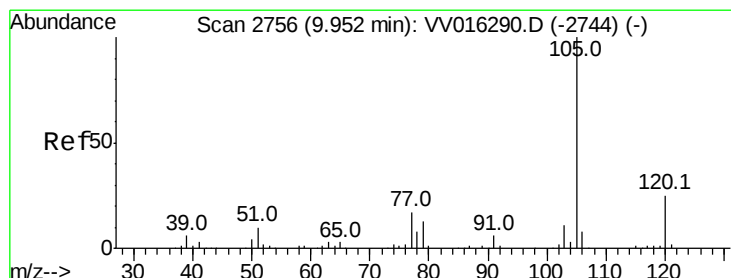
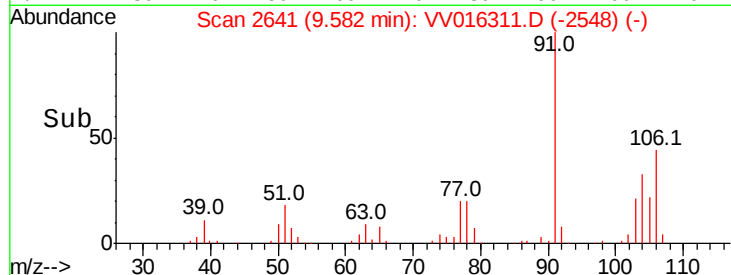
10000

5000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#58

Isopropylbenzene

Concen: 0.774 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016311.D

Acq: 29 May 2020 05:57

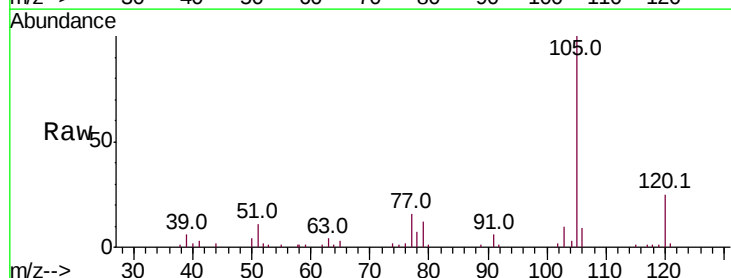
Tgt Ion:105 Resp: 30288

Ion Ratio Lower Upper

105 100

120 25.3 20.9 31.3

77 16.5 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

25000

20000

15000

10000

5000

0

9.90 9.95 10.00

Time-->

