

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016310.D
 Acq On : 29 May 2020 05:33
 Operator : SY/MD
 Sample : L2662-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B24

Quant Time: May 29 07:07:17 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	117707	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	110074	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	58086	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28528	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.58	69	22740	3.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.40%
11) 1,1-Dichloroethene-d2	2.13	63	44596	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	3.95	46	91001	48.53	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.06%
24) Chloroform-d	4.38	84	62894	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.06	65	35539	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.07	84	130198	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.10	67	39003	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.34	98	120031	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	7.65	79	13033	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
48) 2-Hexanone-d5	8.12	63	75873	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28057	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	46190	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

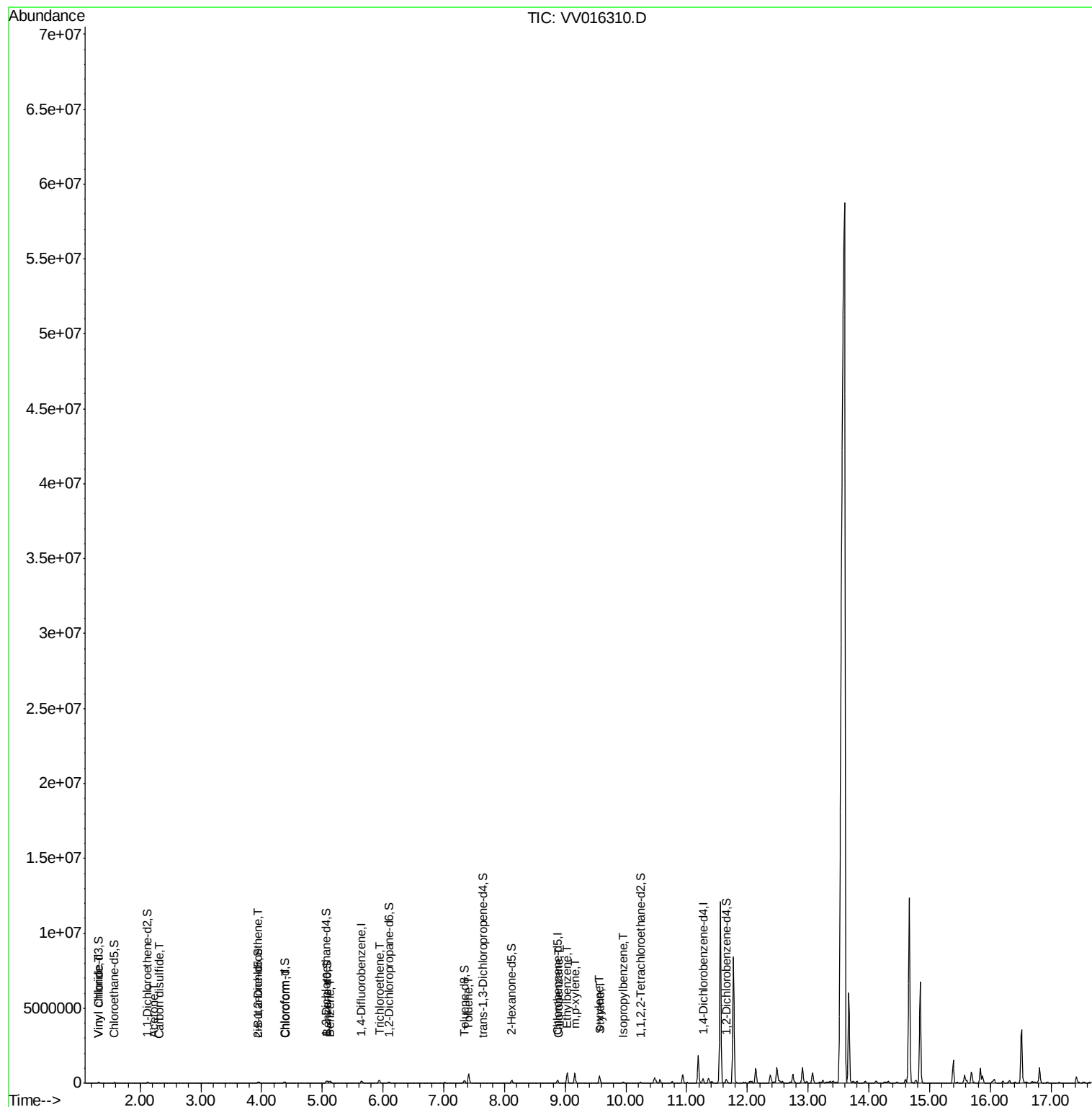
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	4437	0.430	ug/L	89
13) Acetone	2.23	43	20838	17.952	ug/L	94
14) Carbon disulfide	2.31	76	3238	0.150	ug/L #	90
22) cis-1,2-Dichloroethene	3.94	96	19876	2.212	ug/L	92
25) Chloroform	4.41	83	3870	0.253	ug/L	89
33) Benzene	5.13	78	119222	3.764	ug/L	100
34) Trichloroethene	5.94	95	73984	8.966	ug/L	98
42) Toluene	7.41	91	421740	12.209	ug/L	100
53) Chlorobenzene	8.91	112	1831	0.086	ug/L	97
54) Ethylbenzene	9.03	91	458008	11.895	ug/L	100
55) m,p-xylene	9.16	106	173586	12.023	ug/L	98
56) o-xylene	9.56	106	118154	8.587	ug/L	99
57) Styrene	9.58	104	27373	1.195	ug/L	82
58) Isopropylbenzene	9.95	105	29741	0.789	ug/L	98

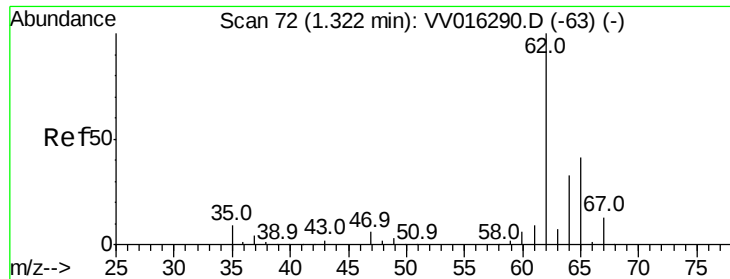
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 04:21:25 2020
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#5

Vinyl chloride

Concen: 0.430 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Instrument :

MSVOA_V

ClientSampleId :

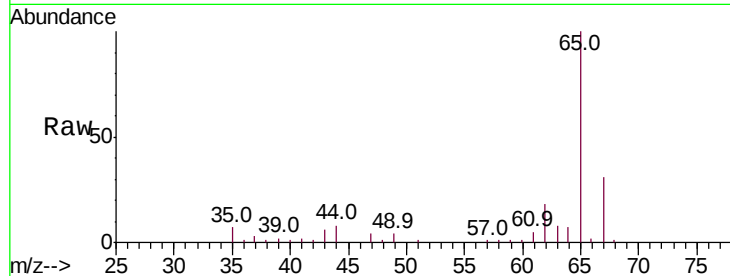
F9B24

Tot Ion: 62 Resp: 4437

Ion Ratio Lower Upper

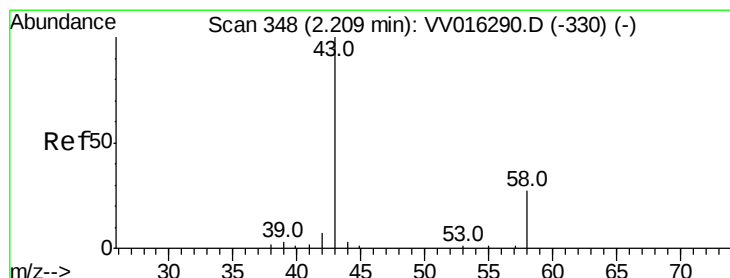
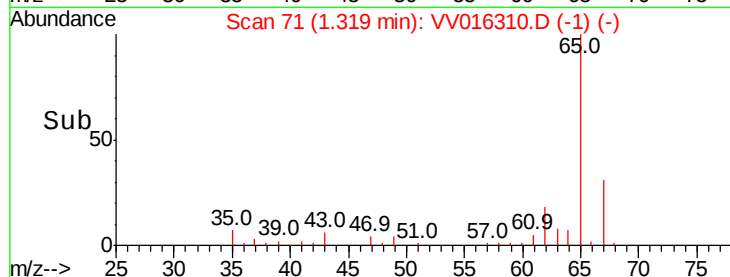
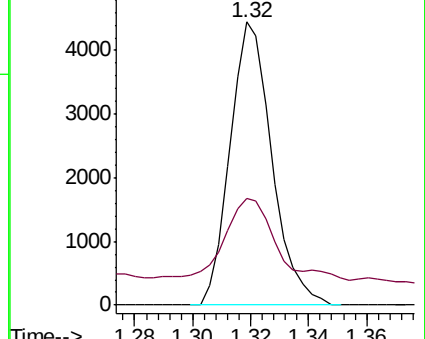
62 100

64 37.9 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: 17.952 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.02 min

Lab File: VV016310.D

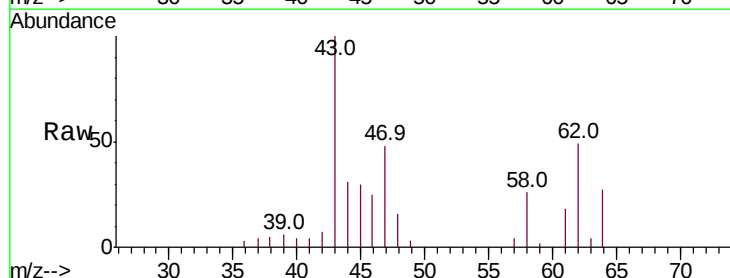
Acq: 29 May 2020 05:33

Tgt Ion: 43 Resp: 20838

Ion Ratio Lower Upper

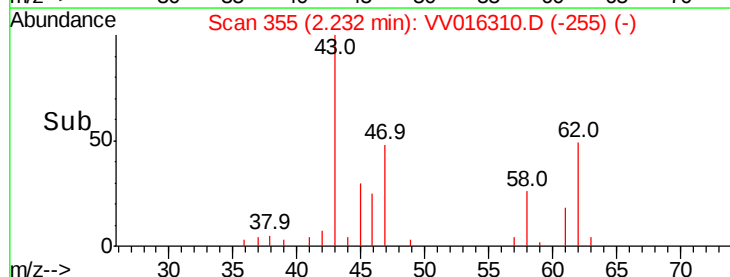
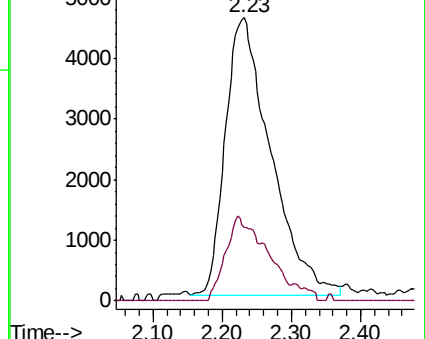
43 100

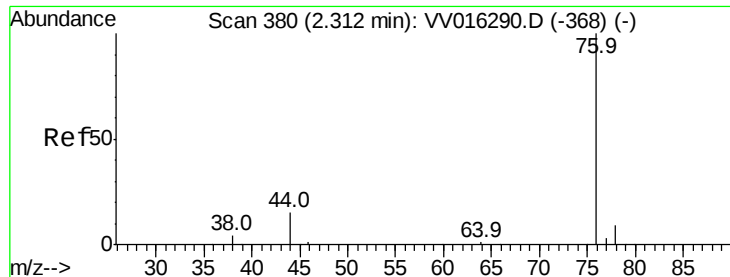
58 27.3 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.150 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Instrument :

MSVOA_V

ClientSampleId :

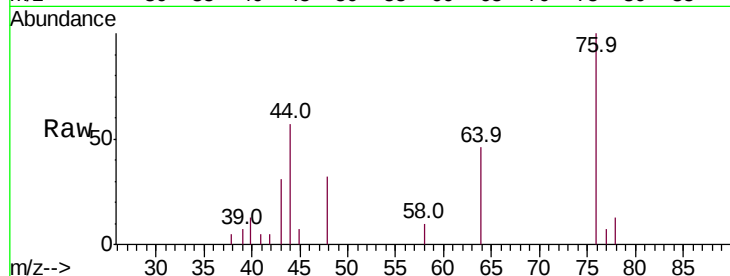
F9B24

Tot Ion: 76 Resp: 3238

Ion Ratio Lower Upper

76 100

78 12.9 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV016310.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV016310.D (-287) (-)

2500

2000

1500

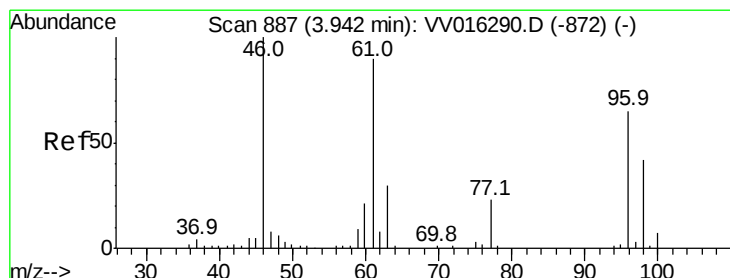
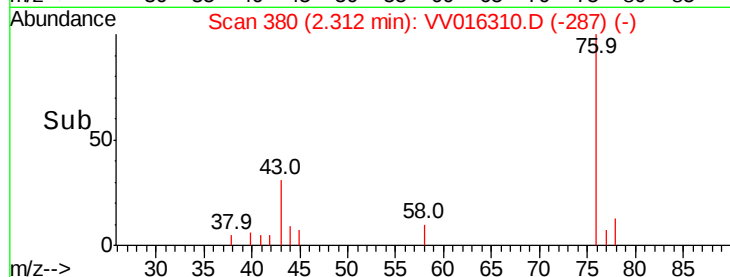
1000

500

0

Time-->

2.25 2.30 2.35



#22

cis-1,2-Dichloroethene

Concen: 2.212 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

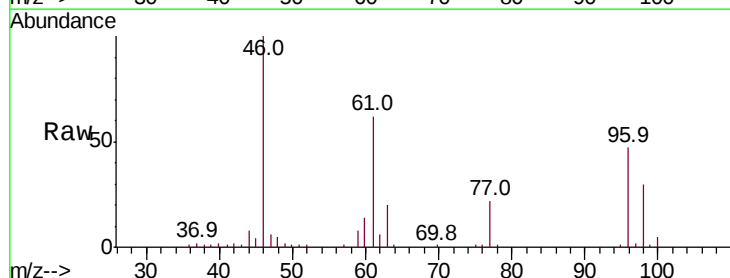
Tgt Ion: 96 Resp: 19876

Ion Ratio Lower Upper

96 100

61 133.0 99.7 185.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016310.D (-794) (-)

Ion 61.05 (60.75 to 61.75): VV016310.D (-794) (-)

Ion 68.15 (67.85 to 68.85): VV016310.D (-794) (-)

15000

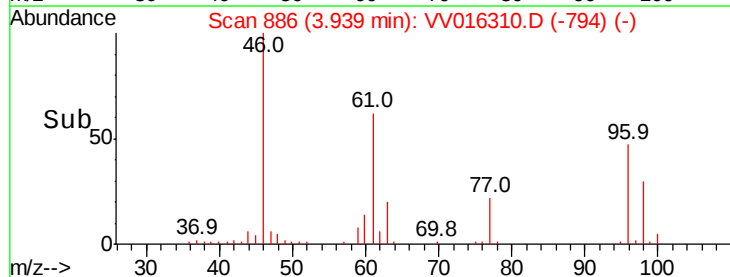
10000

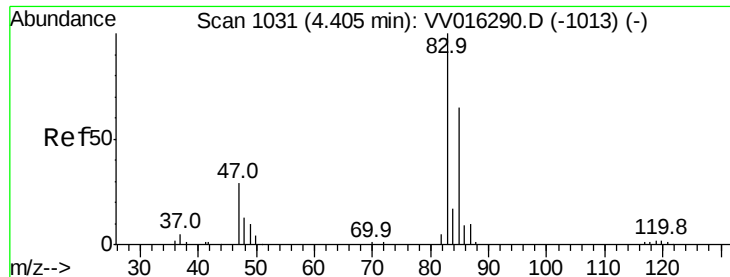
5000

0

Time-->

3.85 3.90 3.95 4.00 4.05





#25

Chloroform

Concen: 0.253 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Instrument :

MSVOA_V

ClientSampleId :

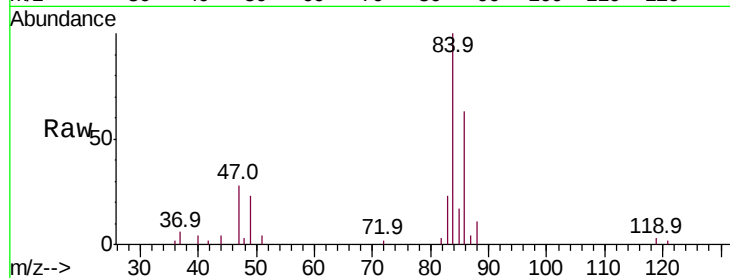
F9B24

Tot Ion: 83 Resp: 3870

Ion Ratio Lower Upper

83 100

85 72.7 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV016310.D (-938) (-)

Ion 85.00 (84.70 to 85.70): VV016310.D (-938) (-)

4.41

1500

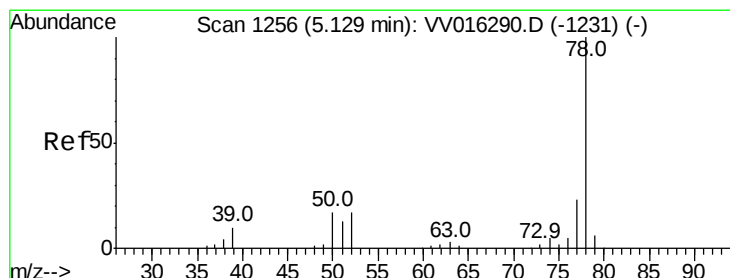
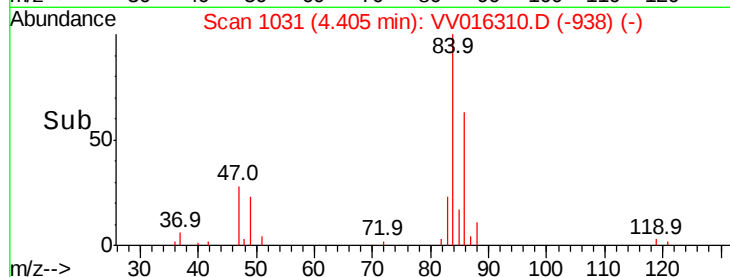
1000

500

0

4.35 4.40 4.45

Time-->



#33

Benzene

Concen: 3.764 ug/L

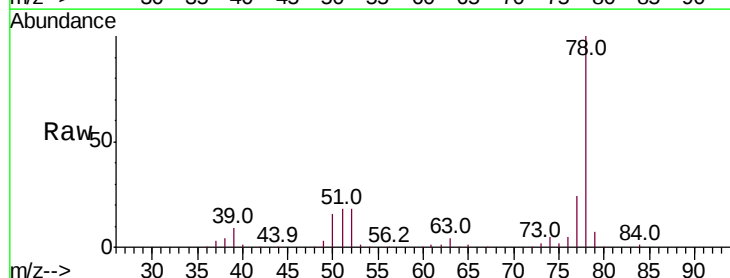
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Tgt Ion: 78 Resp: 119222



Abundance Ion 78.10 (77.80 to 78.80): VV016310.D (-1163) (-)

5.13

60000

50000

40000

30000

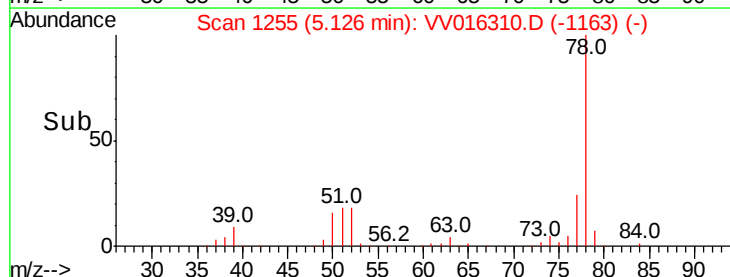
20000

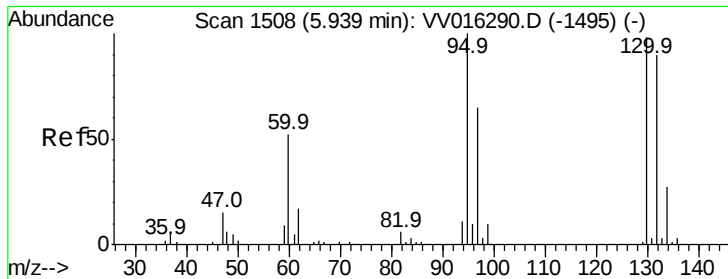
10000

0

5.00 5.10 5.20

Time-->

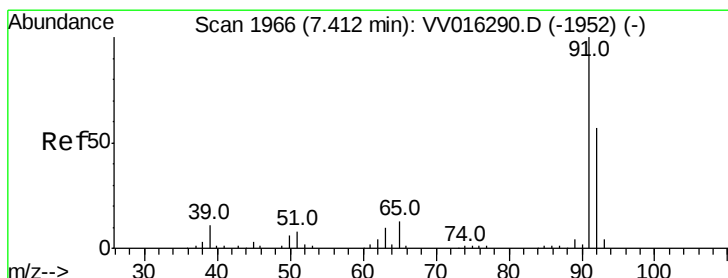
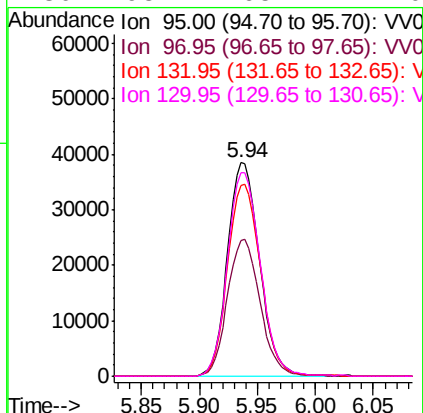
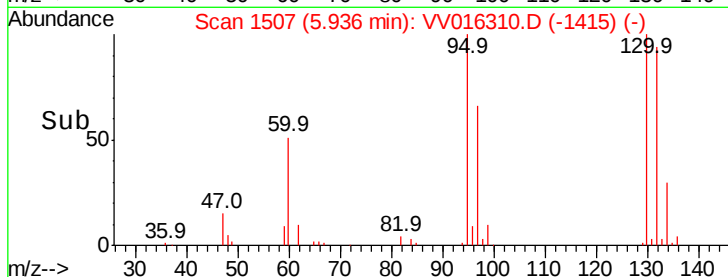
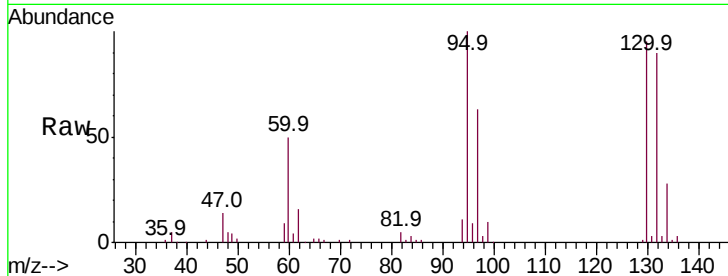




#34
 Trichloroethene
 Concen: 8.966 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016310.D
 Acq: 29 May 2020 05:33

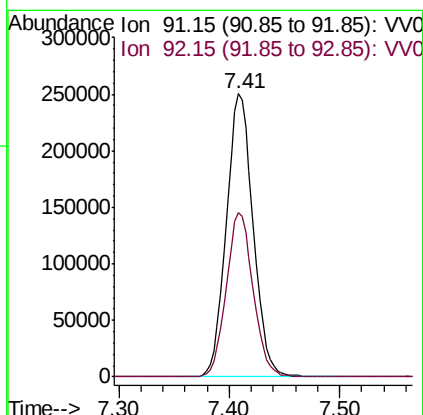
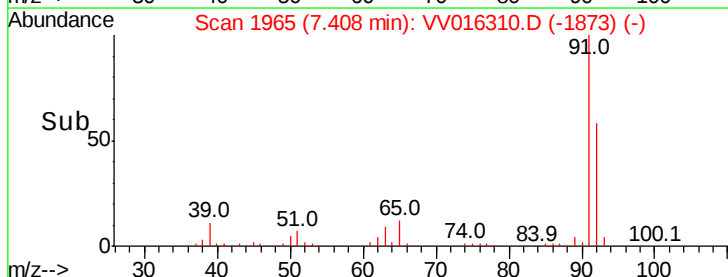
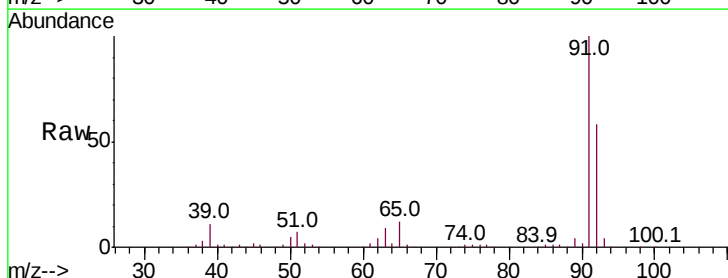
Instrument :
 MSVOA_V
 ClientSampleId :
 F9B24

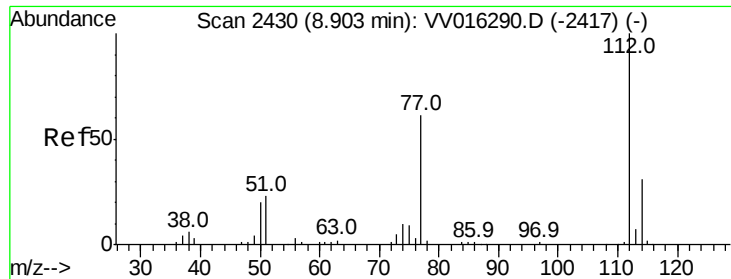
Tot Ion: 95 Resp: 73984
 Ion Ratio Lower Upper
 95 100
 97 63.2 43.6 81.0
 132 89.5 63.9 118.7
 130 95.2 65.2 121.0



#42
 Toluene
 Concen: 12.209 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV016310.D
 Acq: 29 May 2020 05:33

Tgt Ion: 91 Resp: 421740
 Ion Ratio Lower Upper
 91 100
 92 58.1 40.9 76.0





#53

Chlorobenzene

Concen: 0.086 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Instrument :

MSVOA_V

ClientSampleId :

F9B24

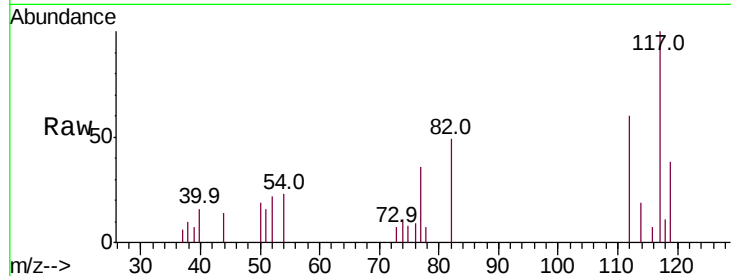
Tot Ion:112 Resp: 1831

Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.3

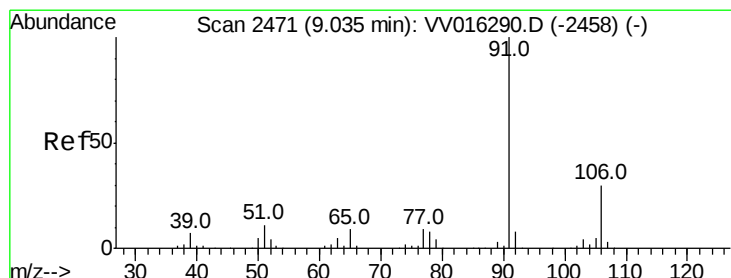
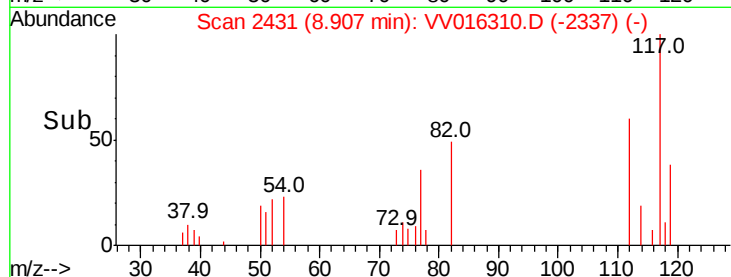
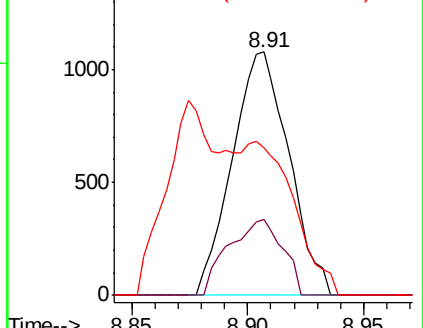
77 60.6 50.7 76.1



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: 11.895 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016310.D

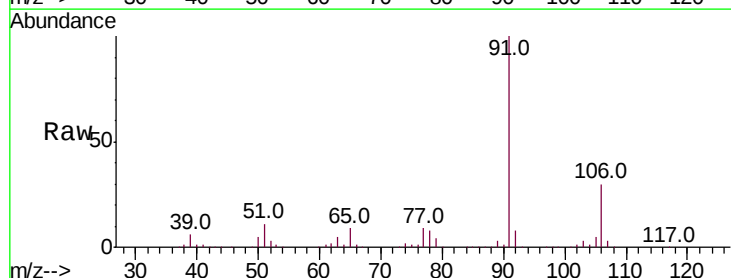
Acq: 29 May 2020 05:33

Tgt Ion: 91 Resp: 458008

Ion Ratio Lower Upper

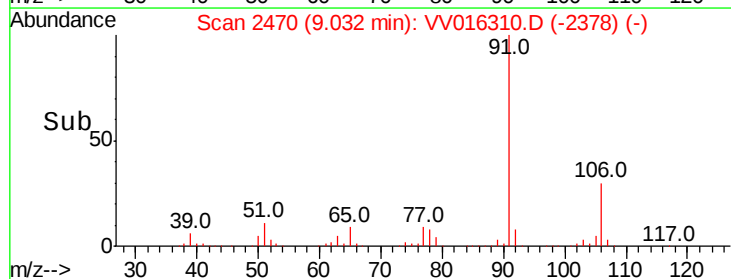
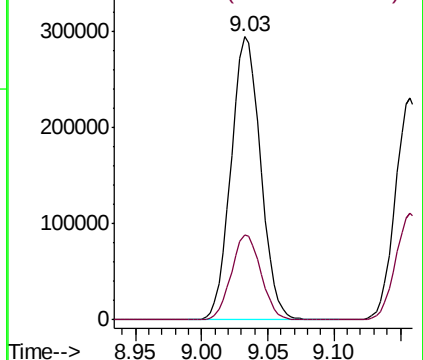
91 100

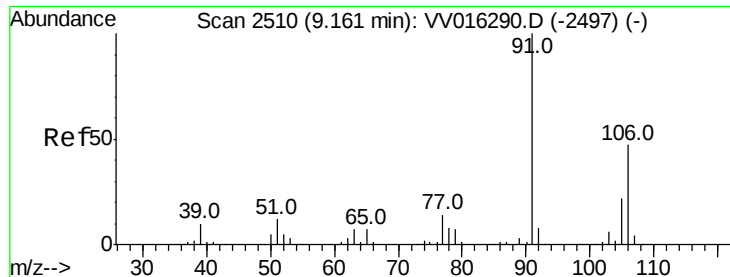
106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 12.023 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Instrument :

MSVOA_V

ClientSampled :

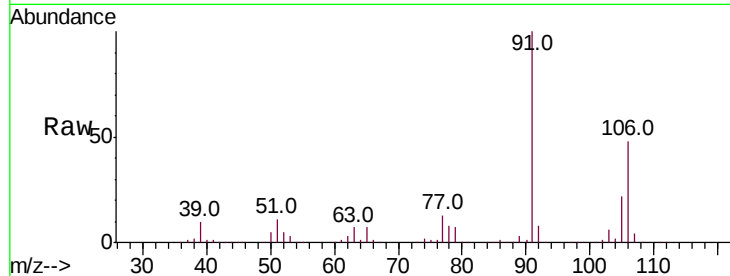
F9B24

Tot Ion:106 Resp: 173586

Ion Ratio Lower Upper

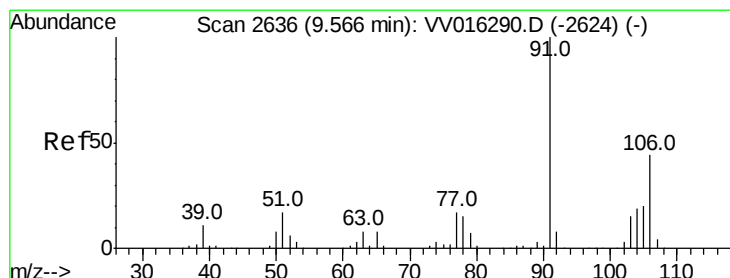
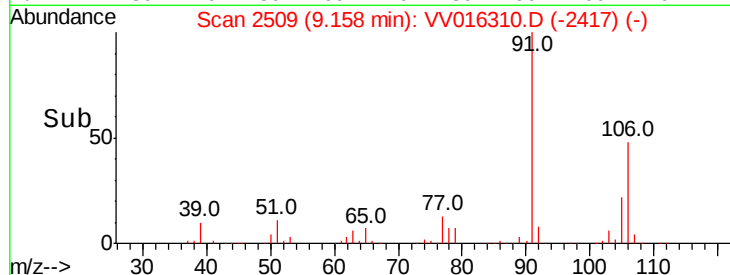
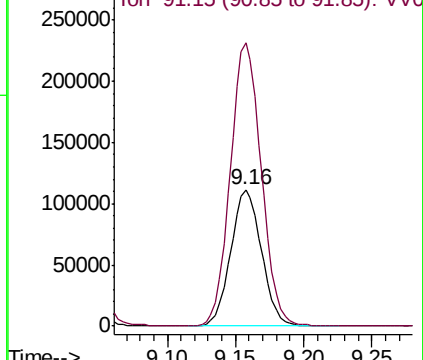
106 100

91 207.6 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 8.587 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016310.D

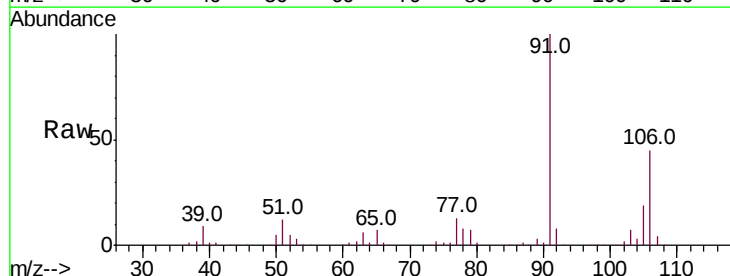
Acq: 29 May 2020 05:33

Tgt Ion:106 Resp: 118154

Ion Ratio Lower Upper

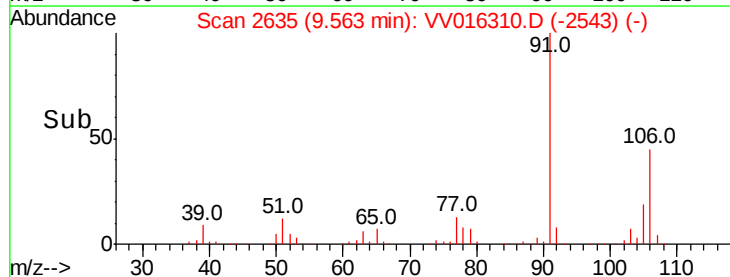
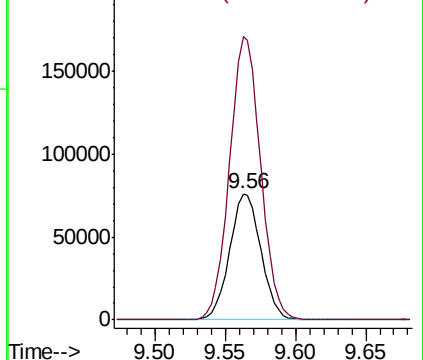
106 100

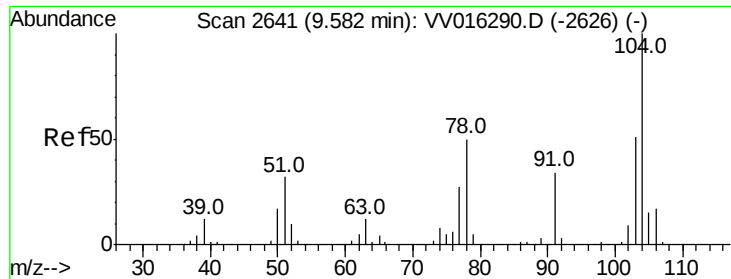
91 224.4 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 1.195 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

Instrument :

MSVOA_V

ClientSampleId :

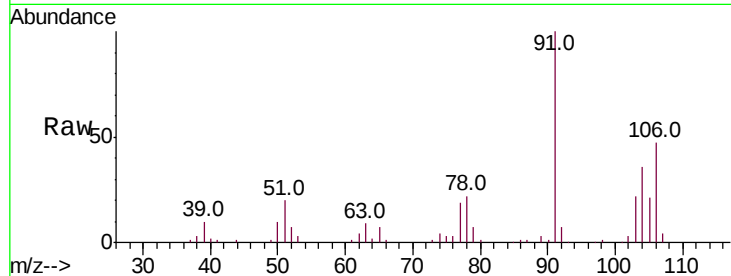
F9B24

Tot Ion:104 Resp: 27373

Ion Ratio Lower Upper

104 100

78 59.7 33.2 61.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

15000

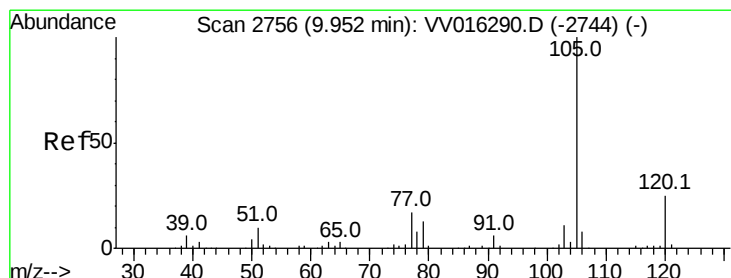
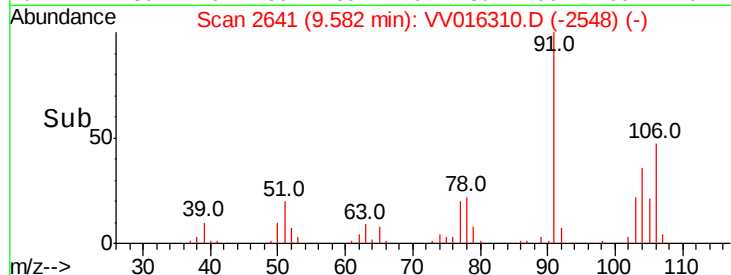
10000

5000

0

9.50 9.55 9.60 9.65

Time-->



#58

Isopropylbenzene

Concen: 0.789 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016310.D

Acq: 29 May 2020 05:33

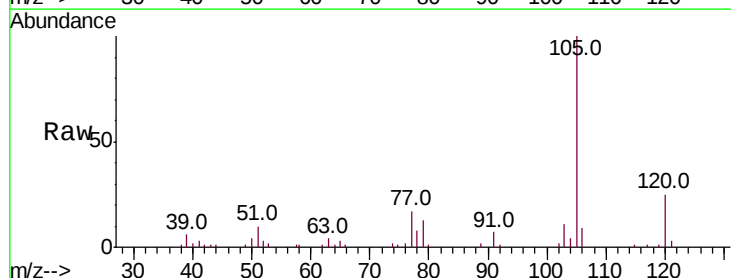
Tgt Ion:105 Resp: 29741

Ion Ratio Lower Upper

105 100

120 25.0 20.9 31.3

77 16.4 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-->

