

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035762.D
 Acq On : 12 Oct 2020 15:19
 Operator : SY/AP
 Sample : L4347-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2DUP

Quant Time: Oct 13 00:04:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1084673	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4372217	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4223063	10.00	ppbv	-0.02

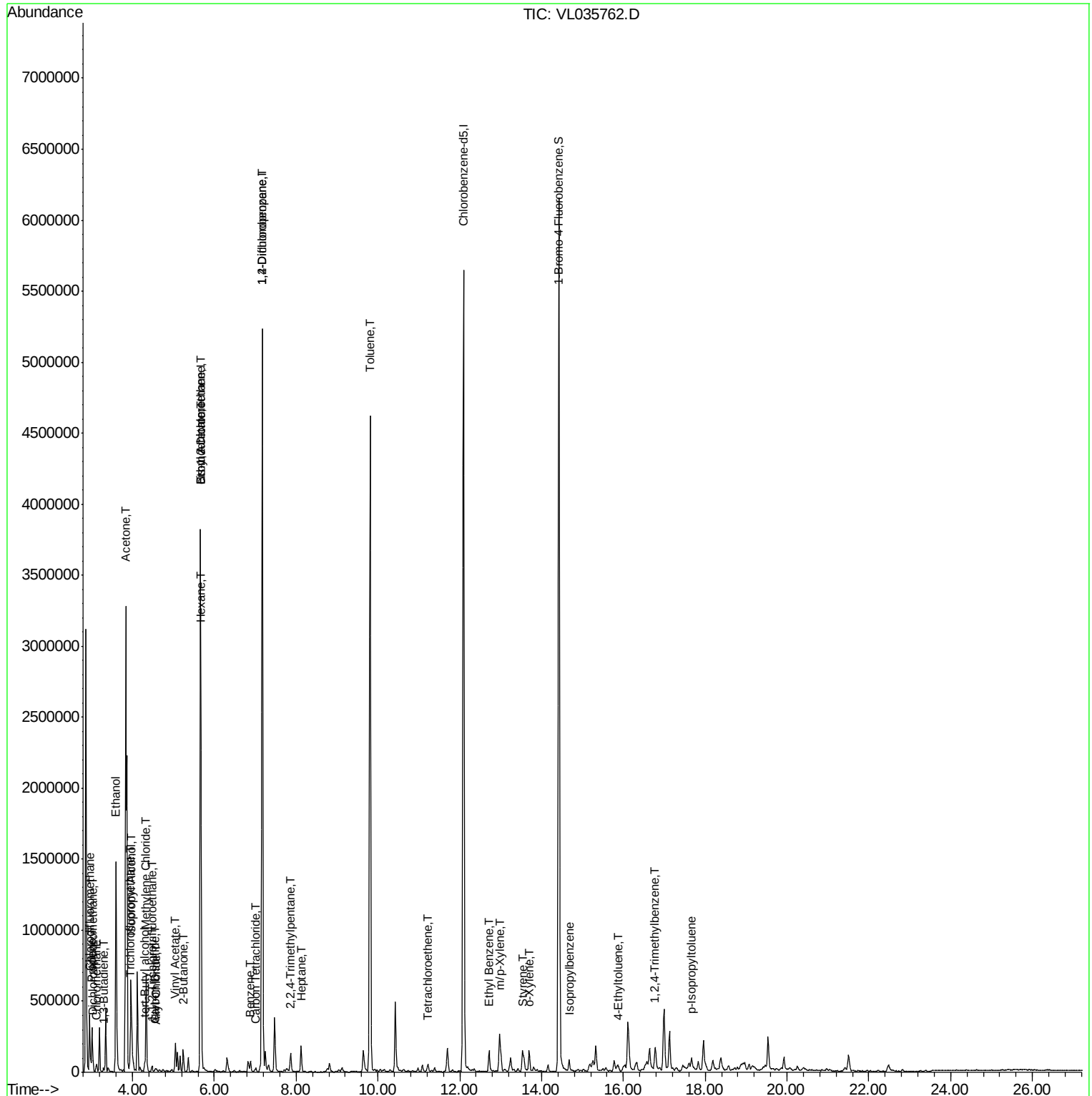
System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	3155012	9.97	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%	

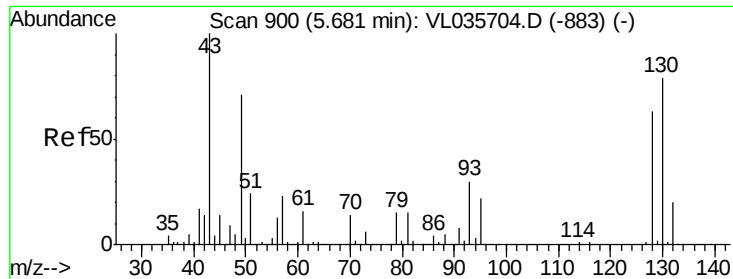
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	52780	0.297	ppbv	94
3) Chlorodifluoromethane	2.95	51	279765	2.397	ppbv #	64
4) Chloromethane	3.13	50	33397	0.533	ppbv	100
9) Propene	3.01	41	64056	1.512	ppbv #	71
10) Heptane	8.12	43	59336	0.502	ppbv	100
11) Trichlorofluoromethane	3.94	101	64681	0.255	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.47	101	14593	0.077	ppbv	99
13) Ethanol	3.59	45	1581373	151.351	ppbv	100
15) Acetone	3.83	43	3541244	30.341	ppbv	97
16) 1,3-Butadiene	3.29	39	5836	0.137	ppbv #	22
17) tert-Butyl alcohol	4.30	59	24570	0.193	ppbv #	72
19) Isopropyl Alcohol	3.96	45	715115	11.264	ppbv #	1
20) Methylene Chloride	4.34	84	284815	3.322	ppbv	98
21) Allyl Chloride	4.58	41	2549	0.045	ppbv #	1
23) Vinyl Acetate	5.05	43	54711	0.383	ppbv #	1
25) Ethyl Acetate	5.67	43	495733	2.360	ppbv #	95
26) Hexane	5.68	57	161686	1.405	ppbv #	46
27) Carbon Disulfide	4.54	76	9105	0.053	ppbv #	50
31) cis-1,2-Dichloroethene	5.66	61	72155	0.649	ppbv #	14
34) 2-Butanone	5.24	43	147774	1.022	ppbv	97
35) Carbon Tetrachloride	7.01	117	15571	0.068	ppbv #	87
36) Benzene	6.89	78	62443	0.219	ppbv #	95
39) 1,2-Dichloropropane	7.17	63	843241	8.166	ppbv #	30
44) 2,2,4-Trimethylpentane	7.87	57	104352	0.255	ppbv #	88
52) Tetrachloroethene	11.23	164	13037	0.095	ppbv	88
53) Toluene	9.81	91	4058000	12.079	ppbv	100
58) Ethyl Benzene	12.72	91	130219	0.307	ppbv #	87
59) m/p-Xylene	12.98	91	175874	0.475	ppbv #	56
60) o-Xylene	13.70	91	114538	0.306	ppbv	98
61) Styrene	13.54	104	93951	0.363	ppbv	98
62) Isopropylbenzene	14.68	105	71191	0.123	ppbv	95
69) p-Isopropyltoluene	17.66	119	58622	0.099	ppbv	99
72) 4-Ethyltoluene	15.85	105	19791	0.045	ppbv #	93
74) 1,2,4-Trimethylbenzene	16.77	105	40470	0.086	ppbv #	72

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

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Quant Time: Oct 13 00:04:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

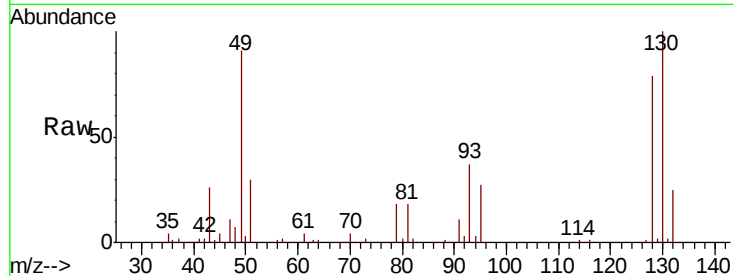
Tot Ion: 49 Resp: 1084673

Ion Ratio Lower Upper

49 100

128 87.3 43.1 129.4

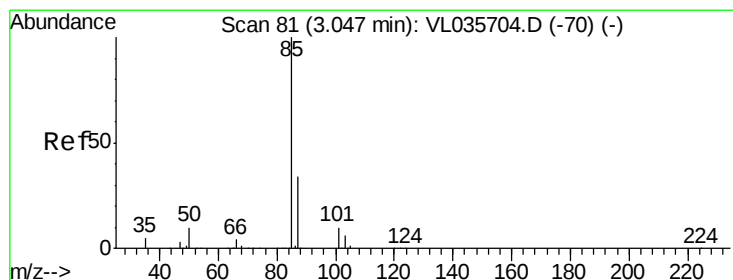
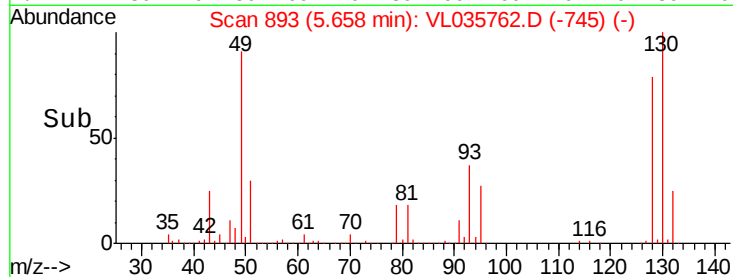
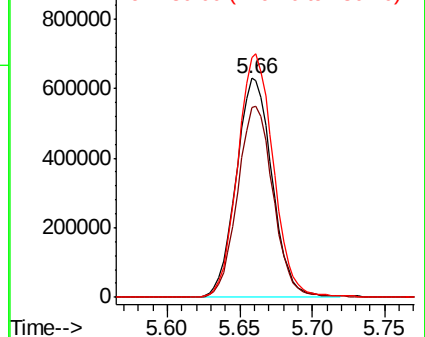
130 111.4 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.297 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL035762.D

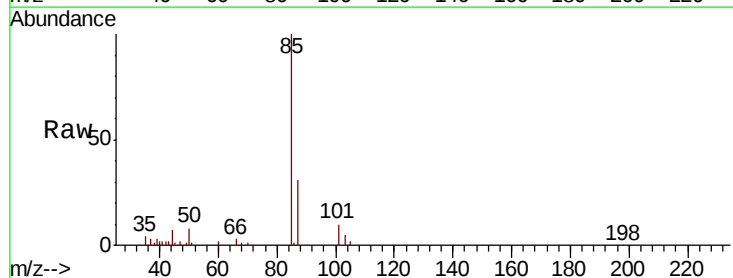
Acq: 12 Oct 2020 15:19

Tgt Ion: 85 Resp: 52780

Ion Ratio Lower Upper

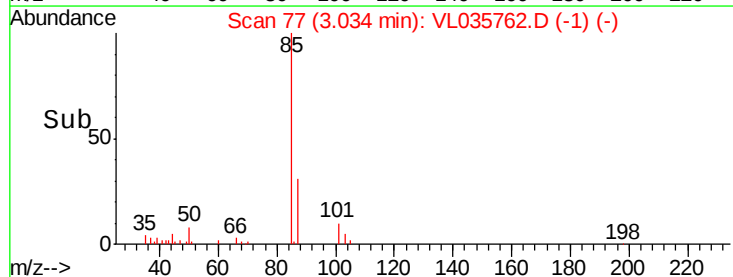
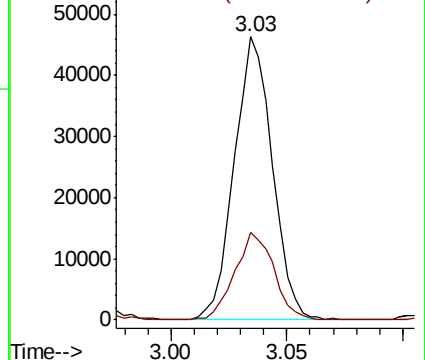
85 100

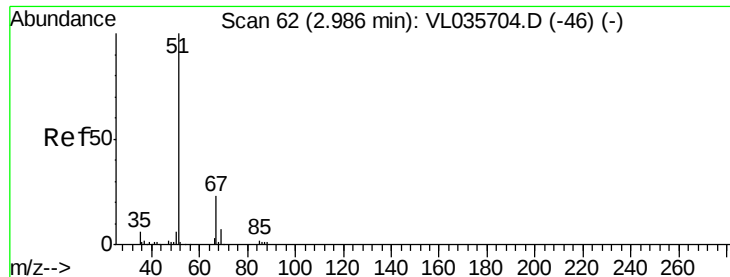
87 30.8 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

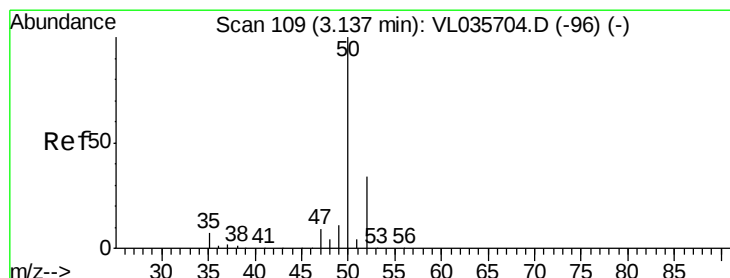
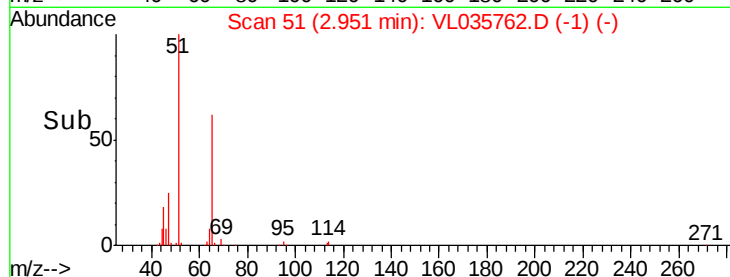
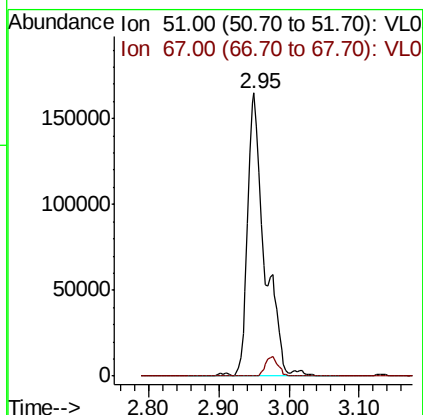
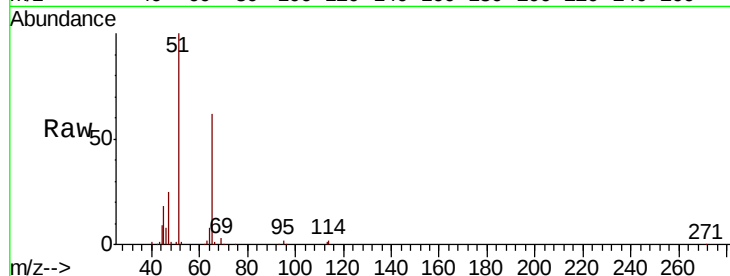




#3
Chlorodifluoromethane
Concen: 2.397 ppbv
RT: 2.95 min Scan# 51
Delta R.T. -0.04 min
Lab File: VL035762.D
Acq: 12 Oct 2020 15:19

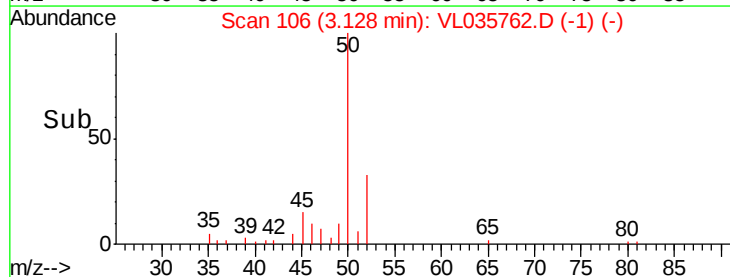
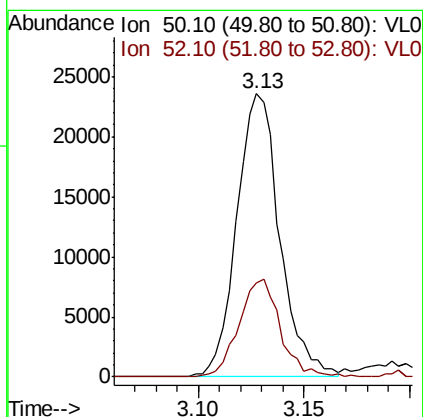
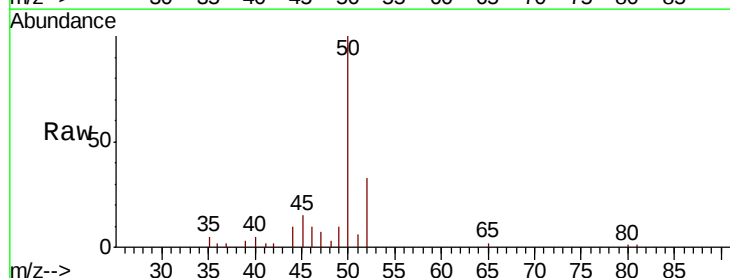
Instrument :
MSVOA_L
ClientSampleId :
2DUP

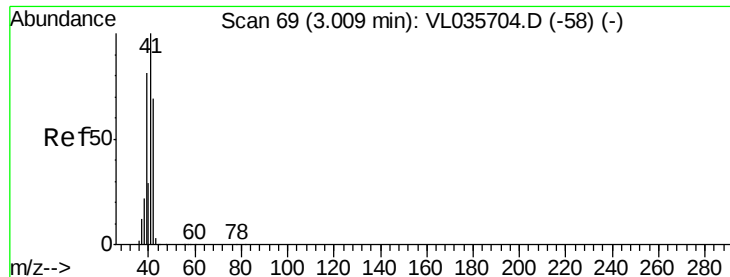
Tot Ion: 51 Resp: 279765
Ion Ratio Lower Upper
51 100
67 5.1 17.8 26.8#



#4
Chloromethane
Concen: 0.533 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035762.D
Acq: 12 Oct 2020 15:19

Tgt Ion: 50 Resp: 33397
Ion Ratio Lower Upper
50 100
52 33.3 26.8 40.2





#9

Propene

Concen: 1.512 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

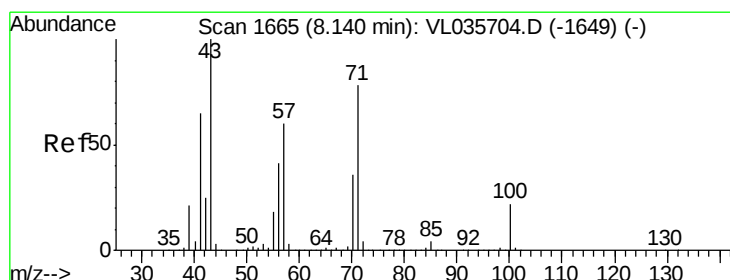
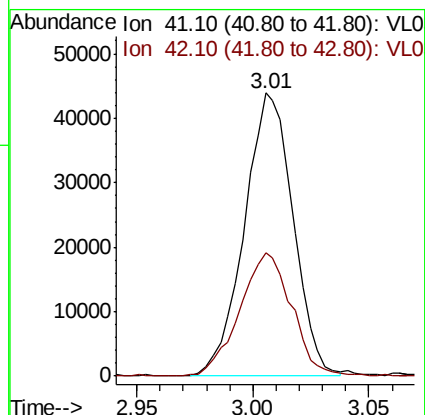
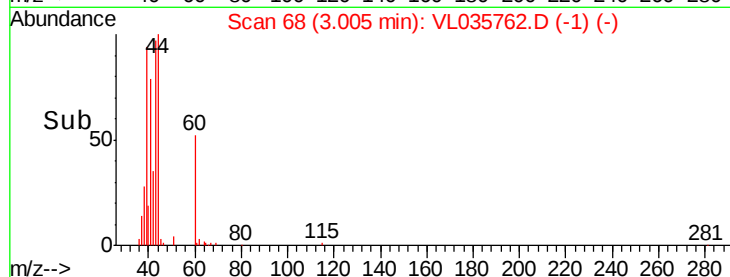
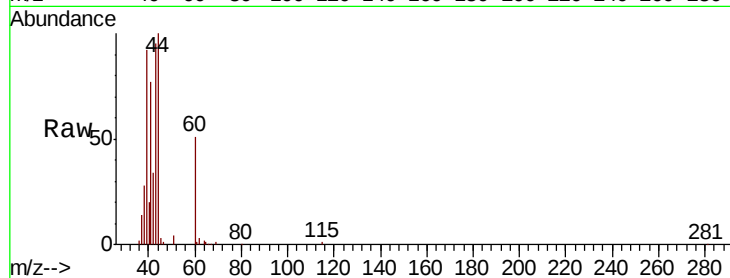
2DUP

Tot Ion: 41 Resp: 64056

Ion Ratio Lower Upper

41 100

42 46.8 56.2 84.4#



#10

Heptane

Concen: 0.502 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.02 min

Lab File: VL035762.D

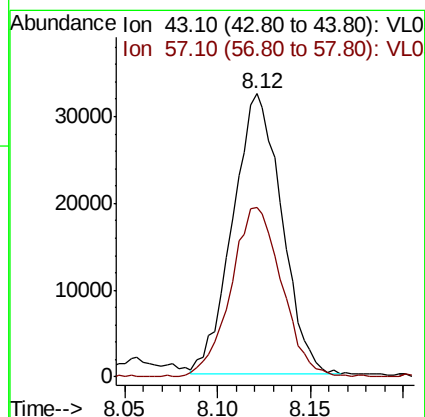
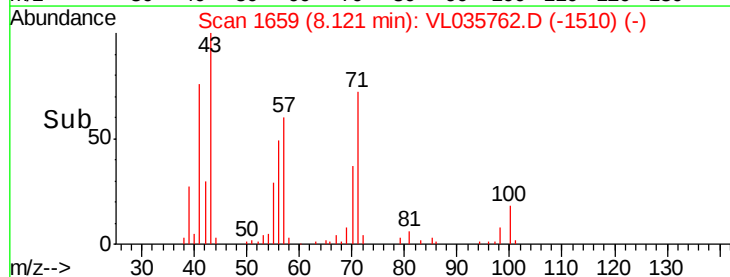
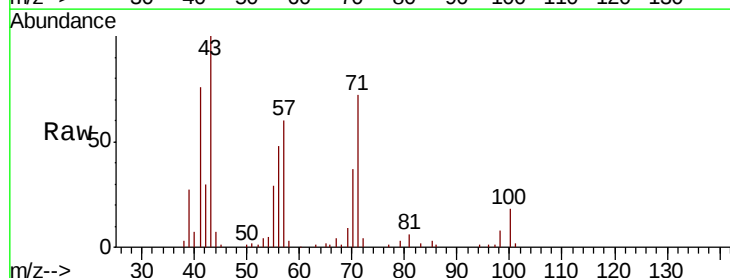
Acq: 12 Oct 2020 15:19

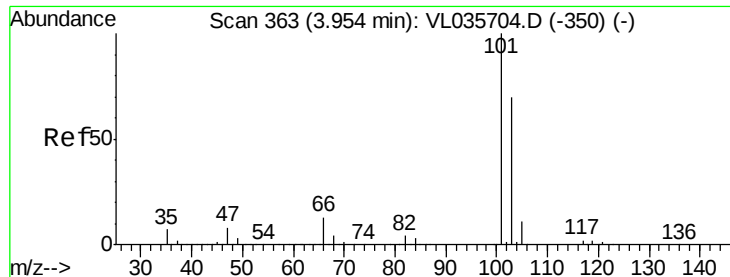
Tgt Ion: 43 Resp: 59336

Ion Ratio Lower Upper

43 100

57 63.0 50.4 75.6

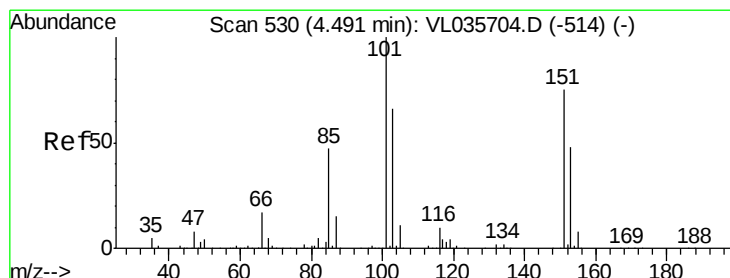
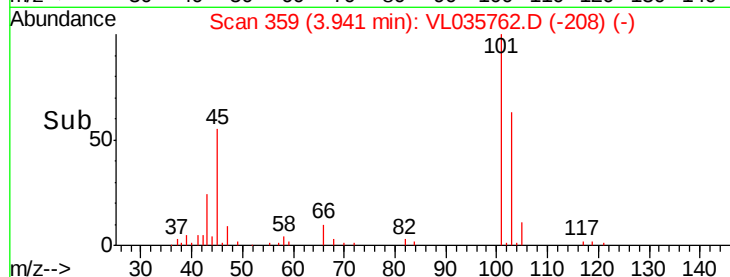
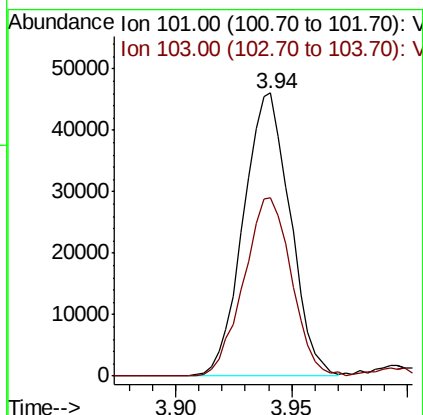
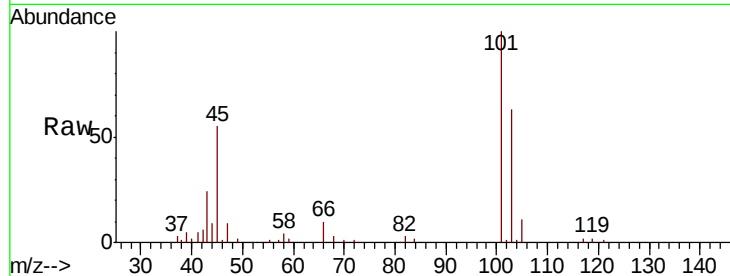




#11
 Trichlorofluoromethane
 Concen: 0.255 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

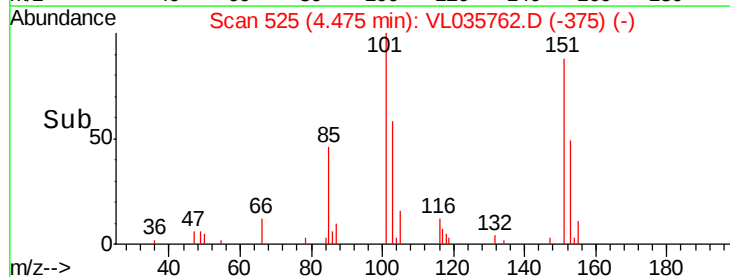
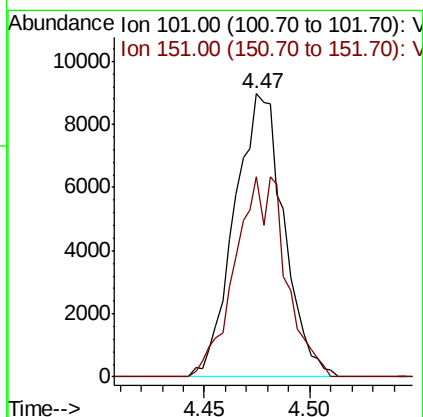
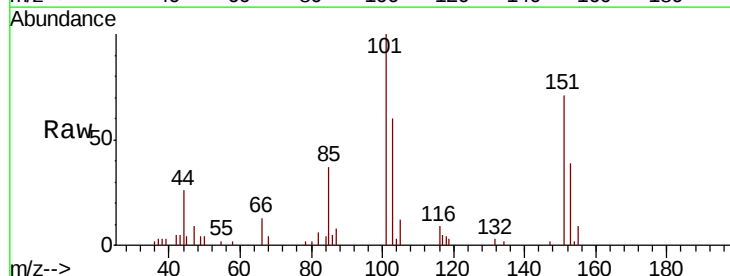
Instrument :
 MSVOA_L
 ClientSampleID :
 2DUP

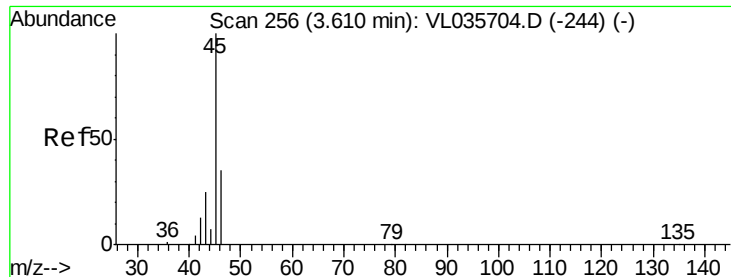
Tot Ion:101 Resp: 64681
 Ion Ratio Lower Upper
 101 100
 103 62.9 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.077 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.02 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

Tgt Ion:101 Resp: 14593
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.1 88.7





#13

Ethanol

Concen: 151.351 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

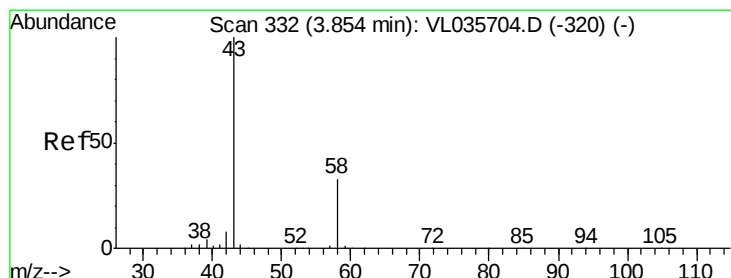
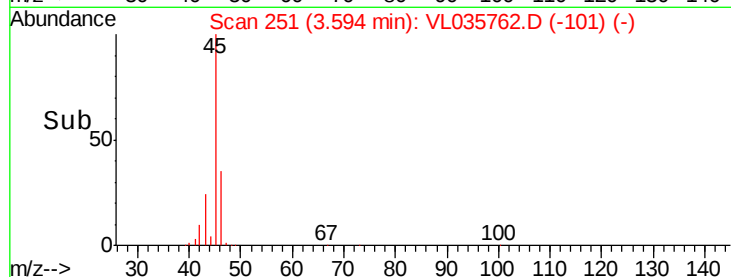
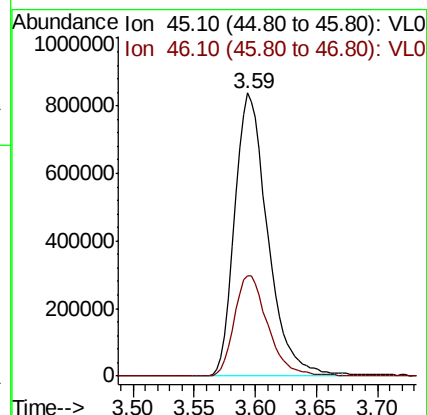
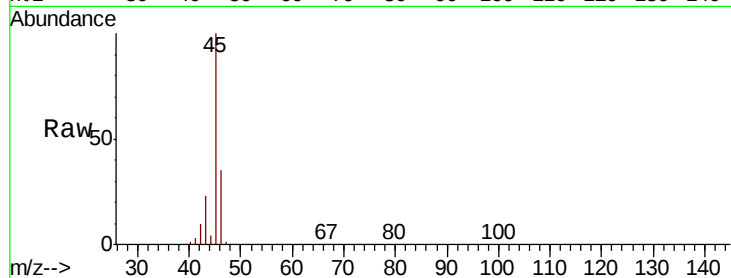
2DUP

Tot Ion: 45 Resp: 1581373

Ion Ratio Lower Upper

45 100

46 36.5 14.7 58.7



#15

Acetone

Concen: 30.341 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035762.D

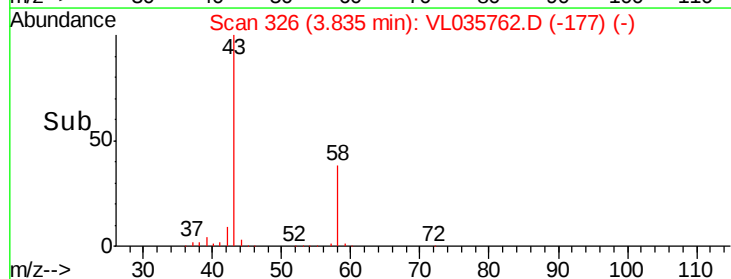
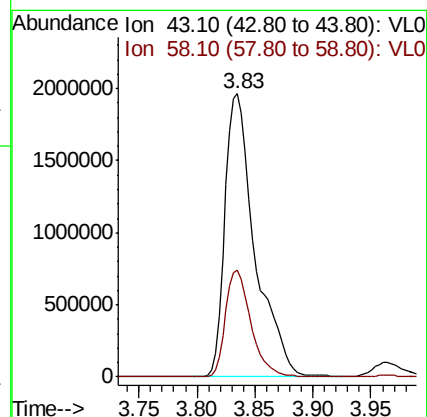
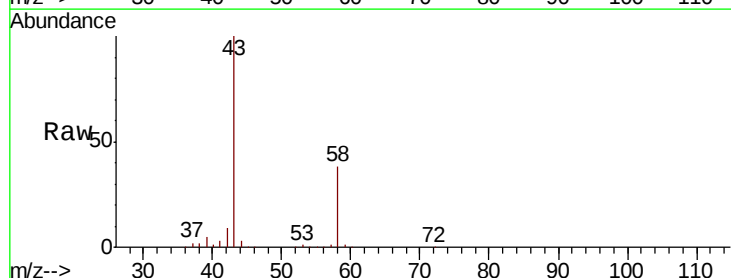
Acq: 12 Oct 2020 15:19

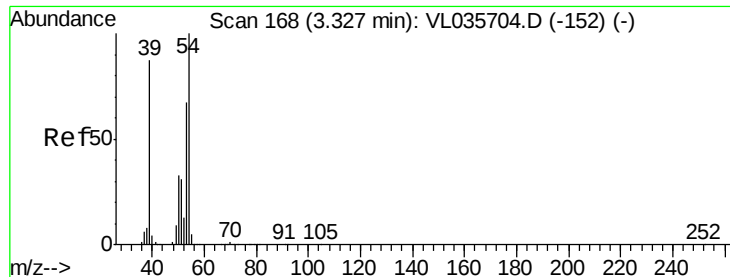
Tgt Ion: 43 Resp: 3541244

Ion Ratio Lower Upper

43 100

58 32.1 27.3 40.9

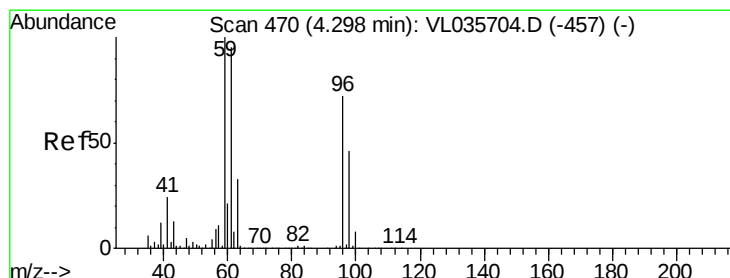
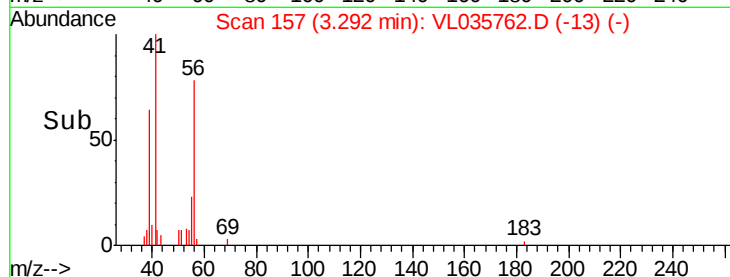
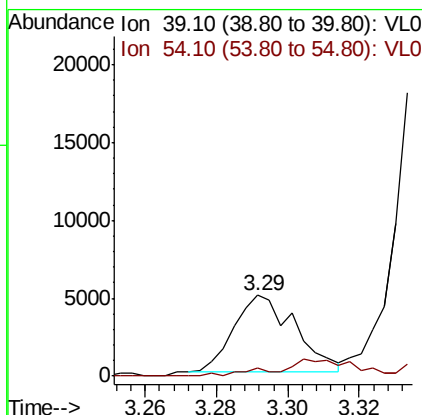
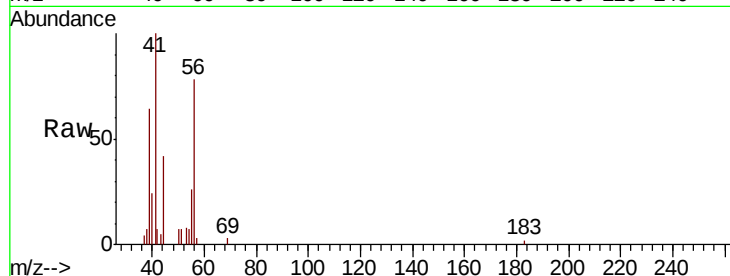




#16
 1,3-Butadiene
 Concen: 0.137 ppbv
 RT: 3.29 min Scan# 157
 Delta R.T. -0.04 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

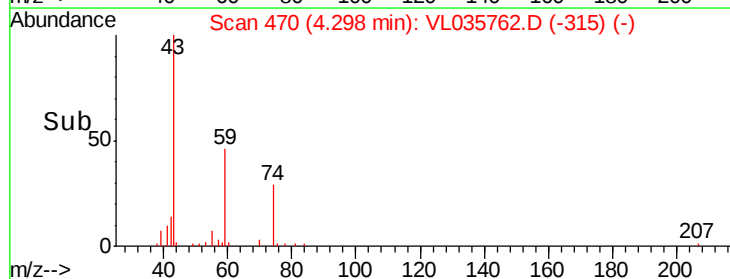
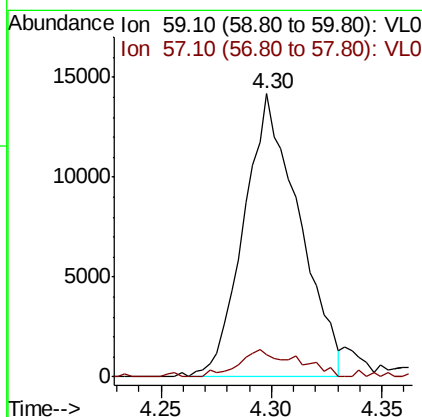
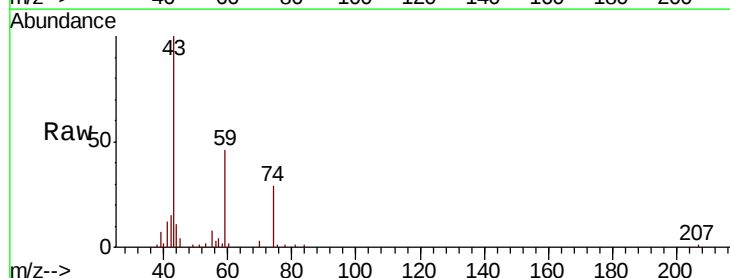
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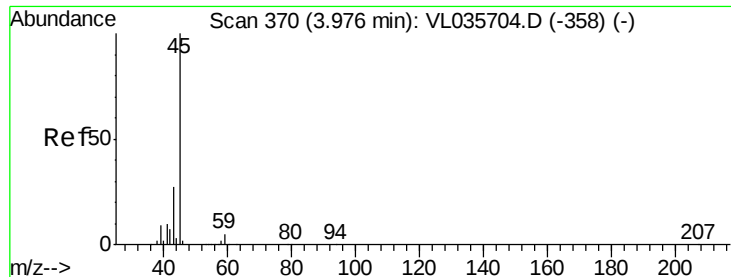
Tot Ion: 39 Resp: 5836
 Ion Ratio Lower Upper
 39 100
 54 27.5 87.4 131.0#



#17
 tert-Butyl alcohol
 Concen: 0.193 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

Tgt Ion: 59 Resp: 24570
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 11.264 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

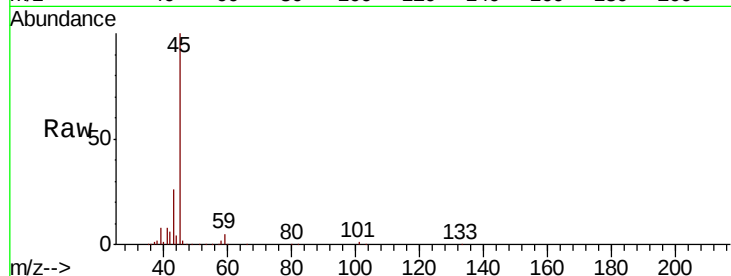
2DUP

Tot Ion: 45 Resp: 715115

Ion Ratio Lower Upper

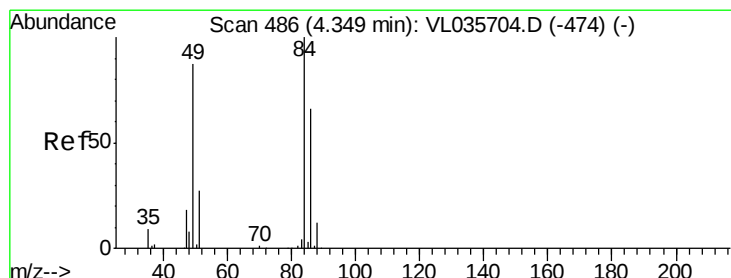
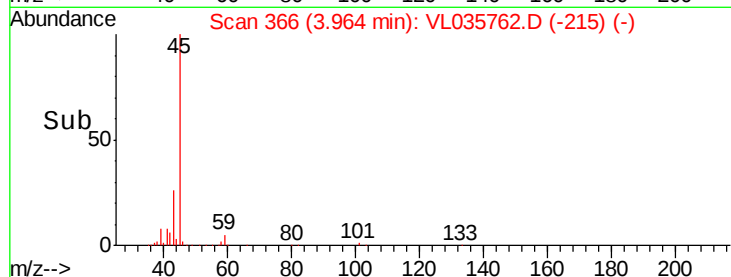
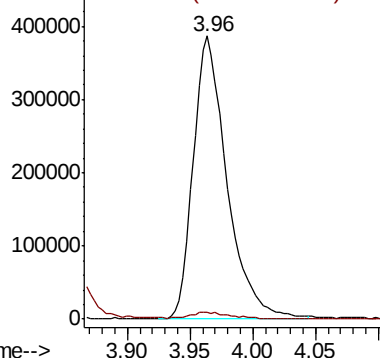
45 100

58 159.0 2.8 4.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 3.322 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Tgt Ion: 84 Resp: 284815

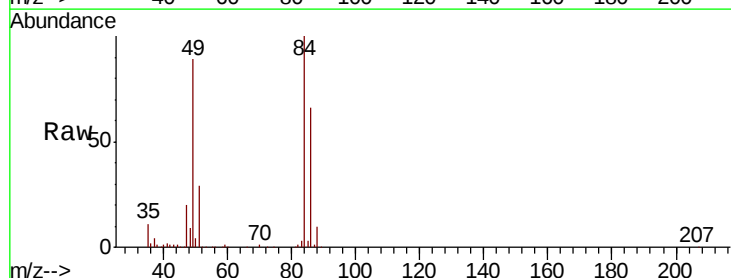
Ion Ratio Lower Upper

84 100

49 88.9 69.8 104.6

51 28.6 21.8 32.8

86 66.2 52.6 78.8

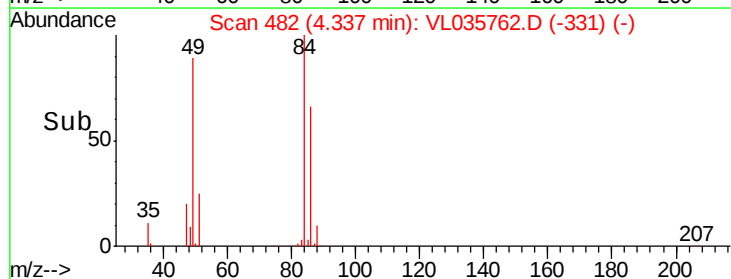
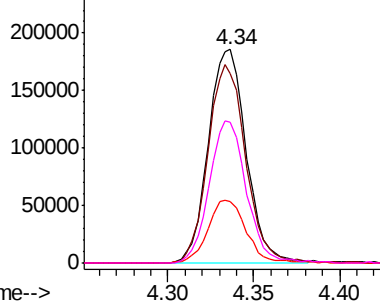


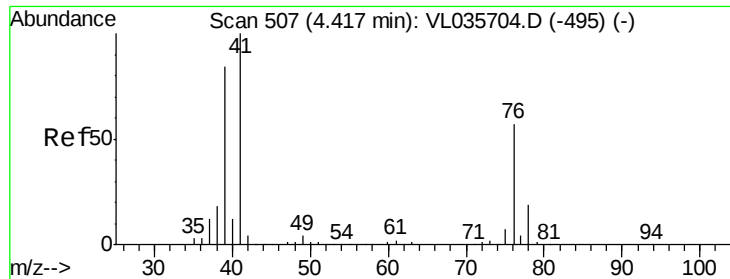
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 0.045 ppbv

RT: 4.58 min Scan# 559

Delta R.T. 0.17 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

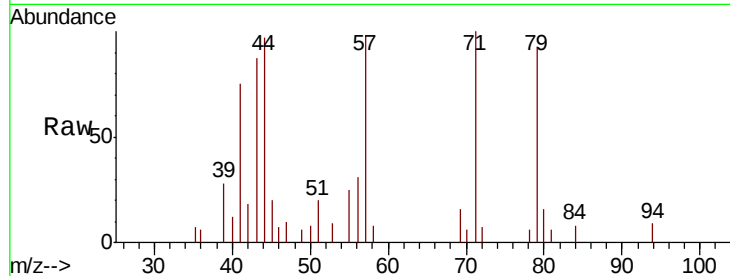
Tot Ion: 41 Resp: 2549

Ion Ratio Lower Upper

41 100

76 359.6 44.8 67.2#

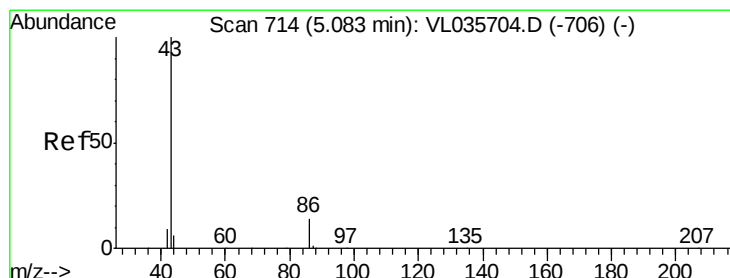
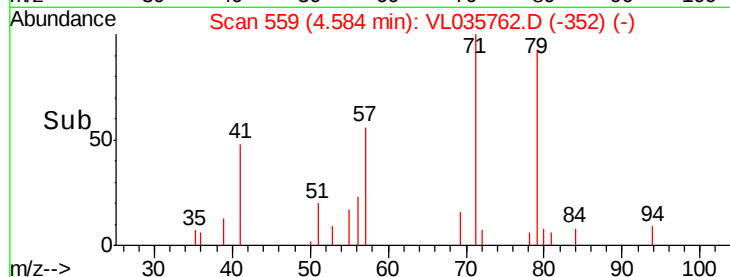
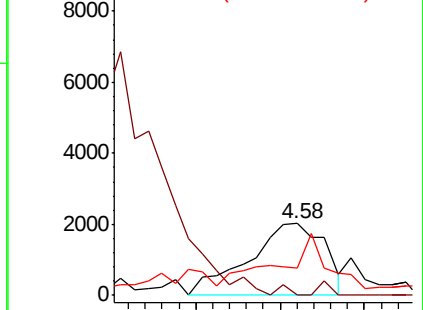
39 130.2 68.4 102.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.383 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Tgt Ion: 43 Resp: 54711

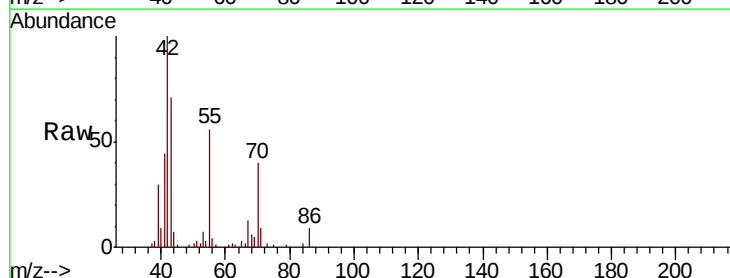
Ion Ratio Lower Upper

43 100

86 13.5 9.7 14.5

42 141.1 7.9 11.9#

44 1.9 4.8 7.2#

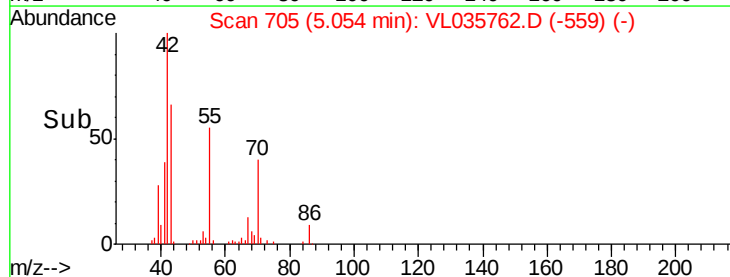
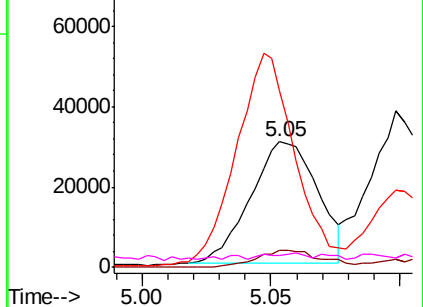


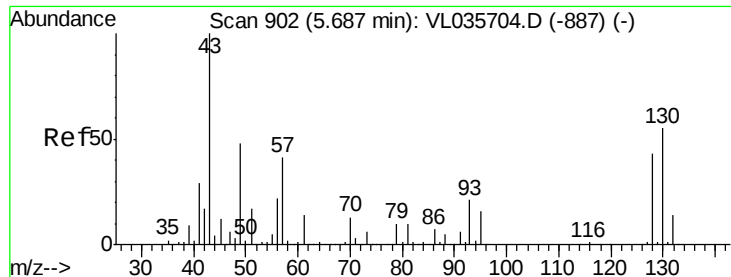
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 2.360 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

Tot Ion: 43 Resp: 495733

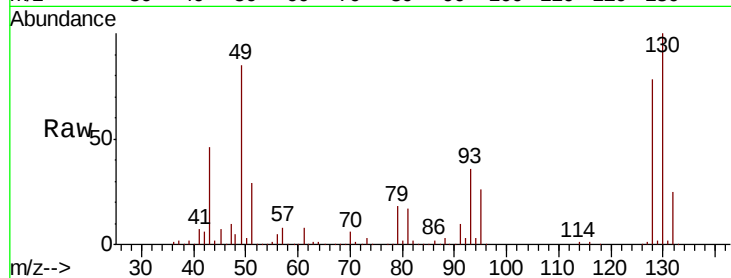
Ion Ratio Lower Upper

43 100

45 13.3 8.6 12.8#

61 14.7 10.4 15.6

70 12.5 8.9 13.3

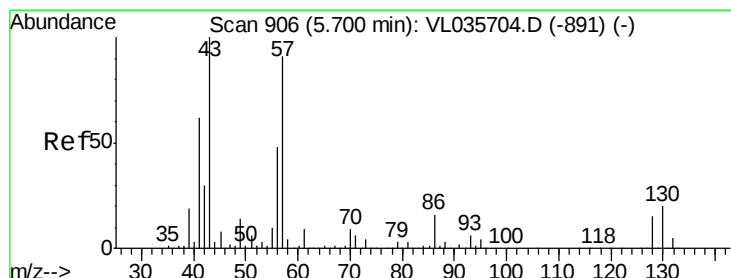
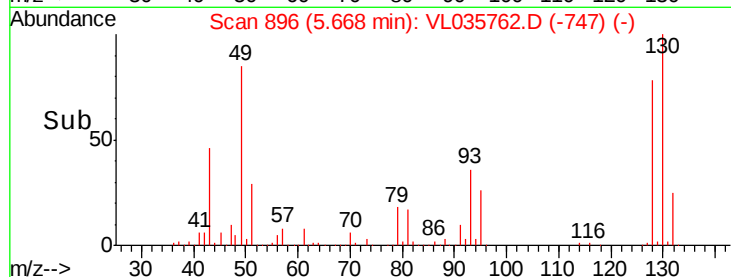
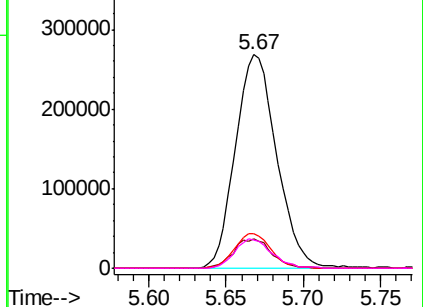


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.405 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Tgt Ion: 57 Resp: 161686

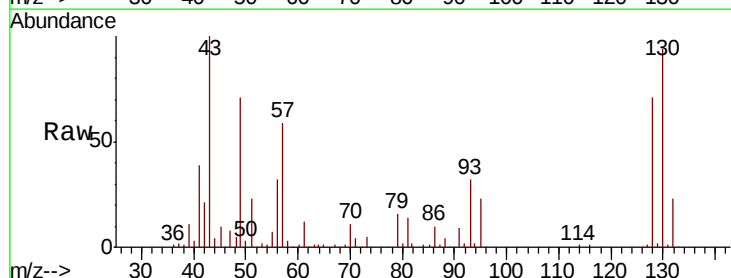
Ion Ratio Lower Upper

57 100

41 72.5 57.9 86.9

43 309.1 143.8 215.6#

56 54.5 43.0 64.6

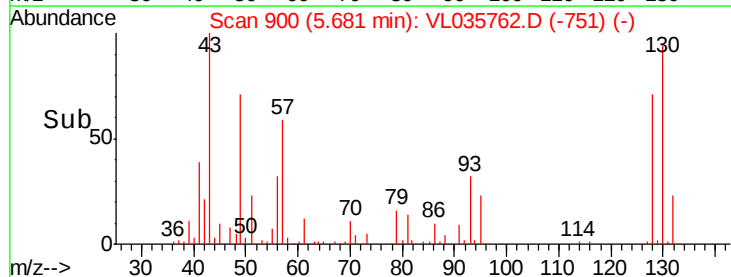
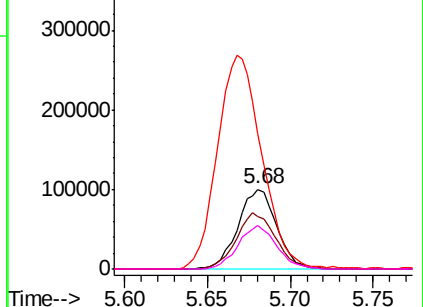


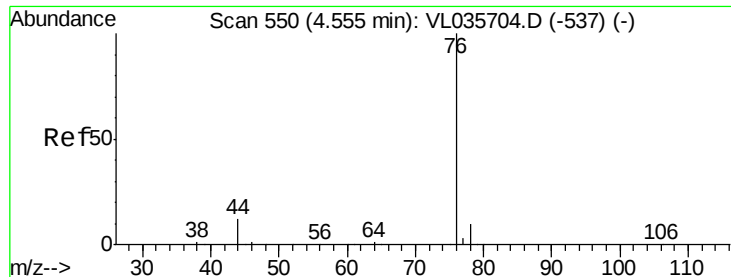
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.053 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

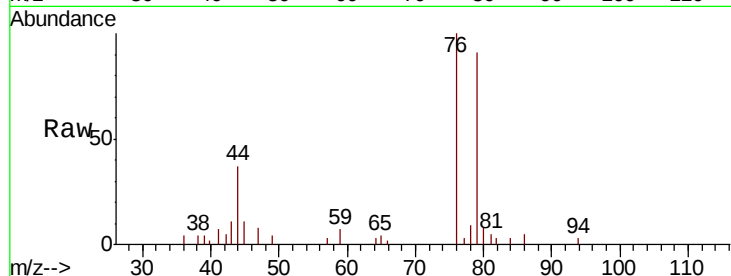
Tot Ion: 76 Resp: 9105

Ion Ratio Lower Upper

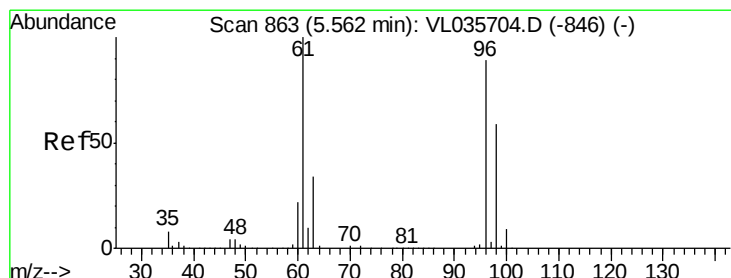
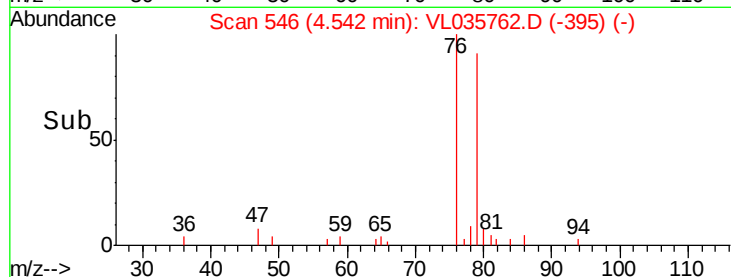
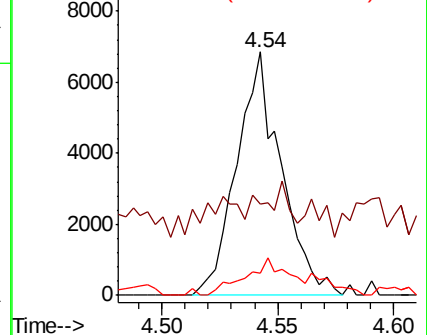
76 100

44 38.4 9.7 14.5#

78 20.2 7.8 11.8#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.649 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.10 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

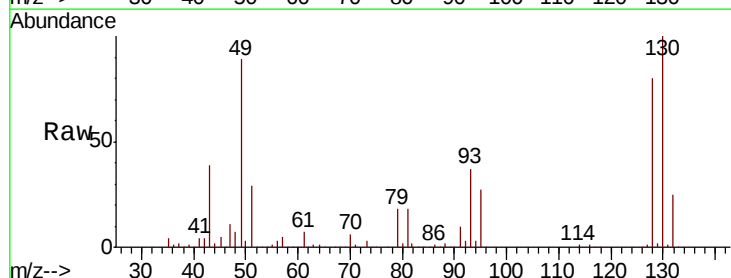
Tgt Ion: 61 Resp: 72155

Ion Ratio Lower Upper

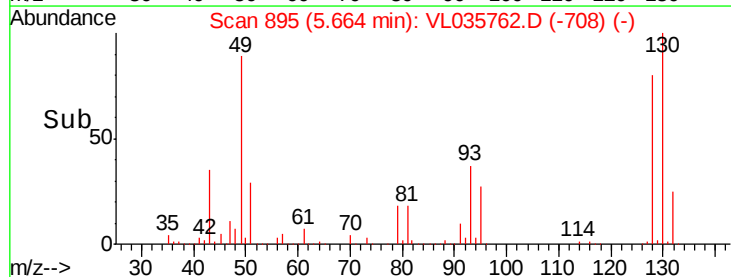
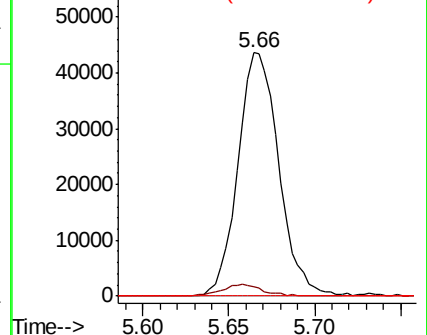
61 100

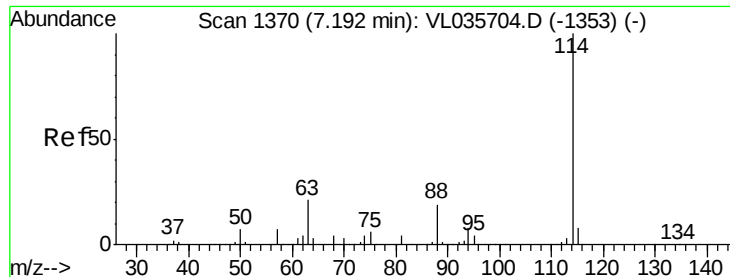
96 3.9 71.4 107.2#

98 0.0 47.4 71.2#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0

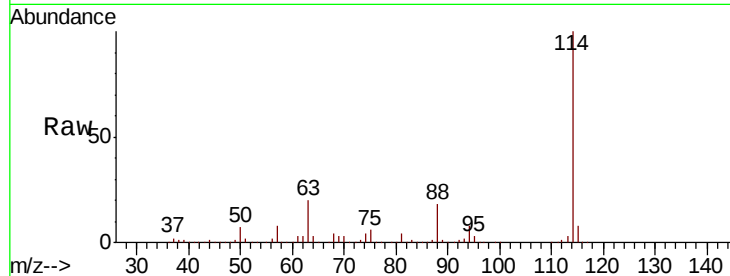




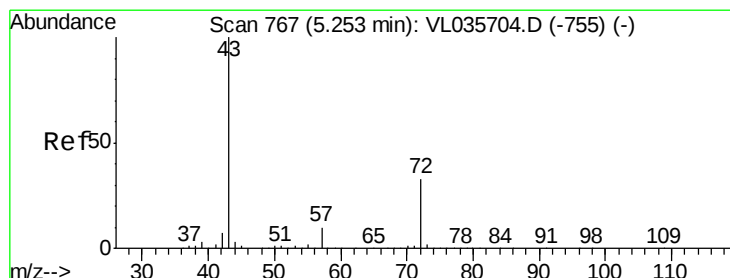
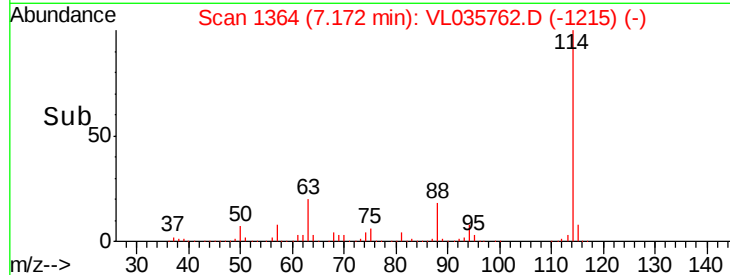
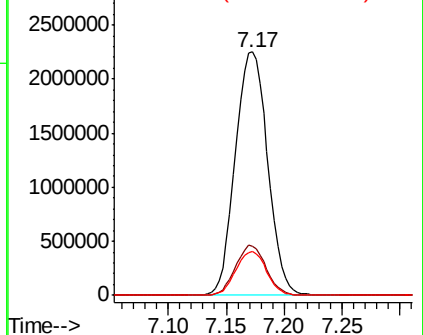
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 2DUP

Tot Ion:114 Resp: 4372217
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.1 24.1
 88 17.1 14.1 21.1

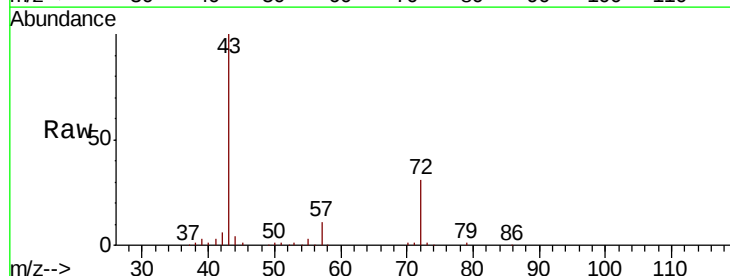


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

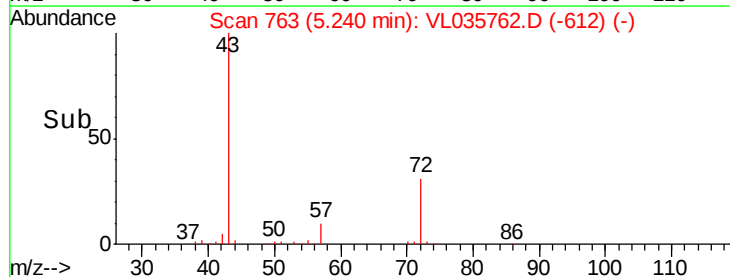
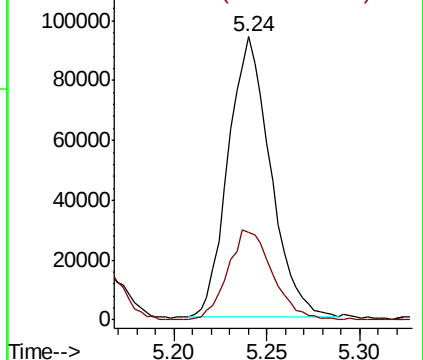


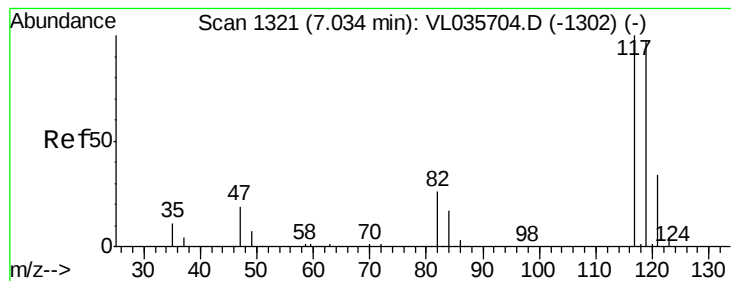
#34
 2-Butanone
 Concen: 1.022 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

Tgt Ion: 43 Resp: 147774
 Ion Ratio Lower Upper
 43 100
 72 34.2 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.068 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

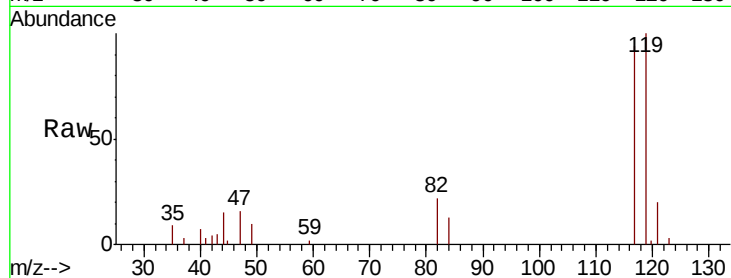
Tot Ion:117 Resp: 15571

Ion Ratio Lower Upper

117 100

119 106.5 77.7 116.5

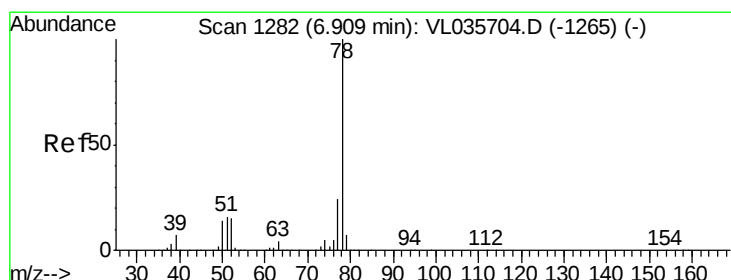
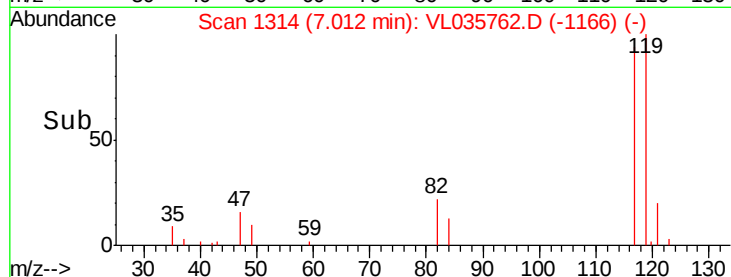
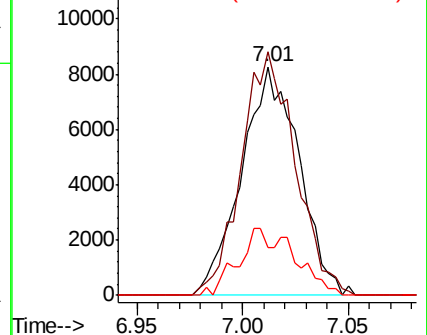
121 21.1 26.9 40.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.219 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

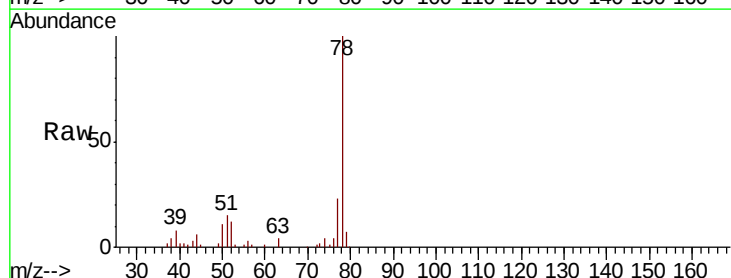
Tgt Ion: 78 Resp: 62443

Ion Ratio Lower Upper

78 100

77 22.5 19.3 28.9

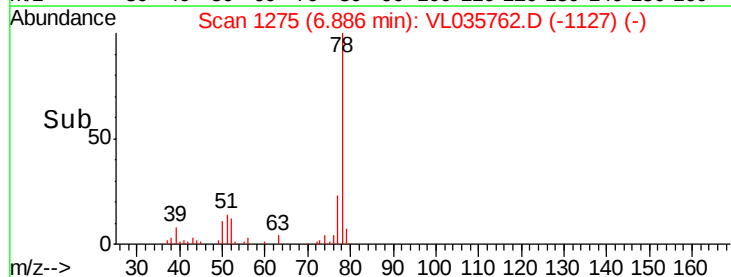
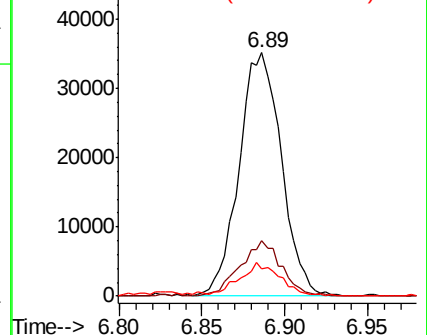
50 11.3 11.6 17.4#

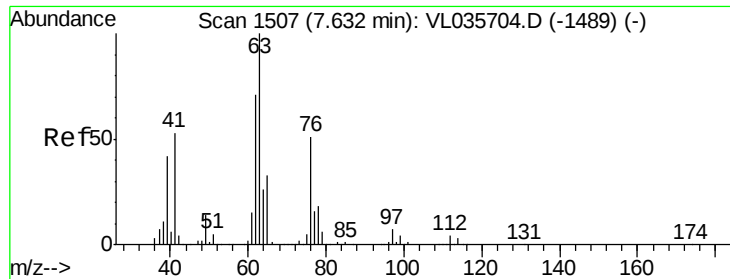


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 8.166 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.46 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampled :

2DUP

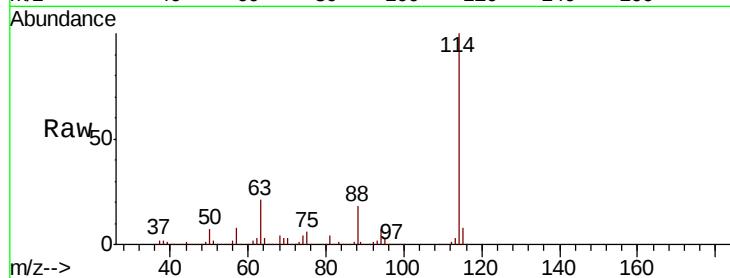
Tot Ion: 63 Resp: 843241

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

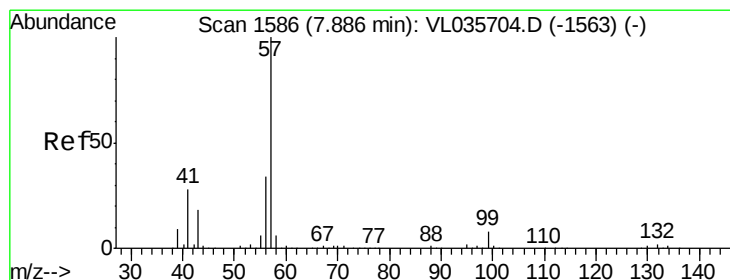
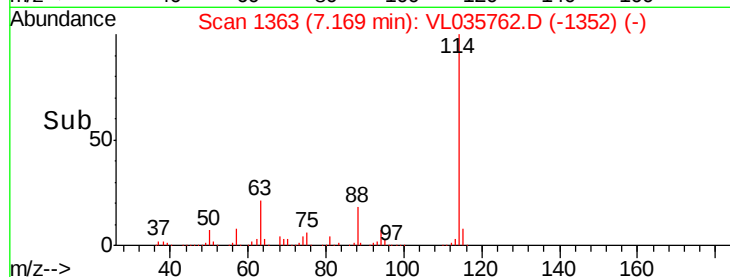
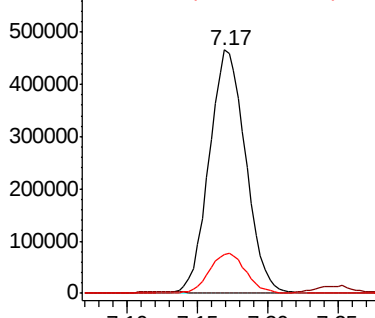
62 16.1 56.5 84.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.255 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

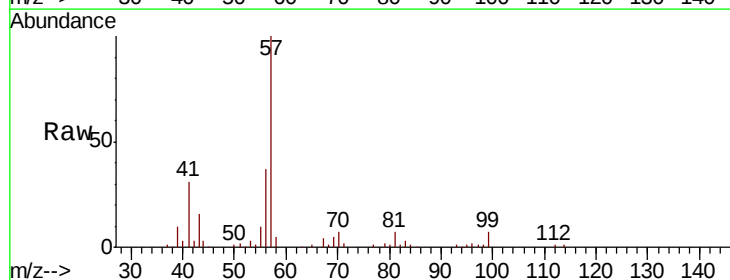
Tgt Ion: 57 Resp: 104352

Ion Ratio Lower Upper

57 100

41 33.2 21.2 31.8#

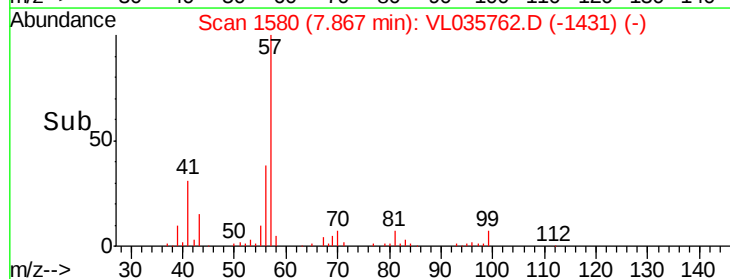
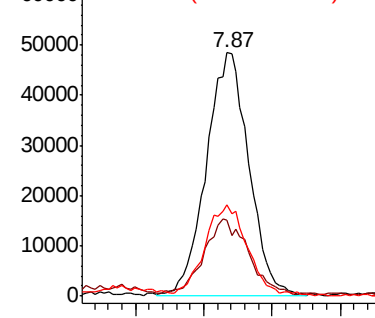
56 38.2 25.8 38.8

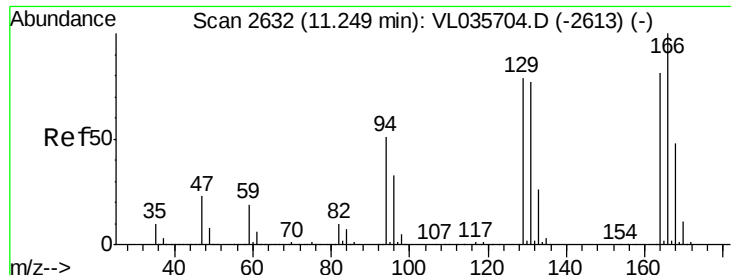


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.095 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

Tot Ion:164 Resp: 13037

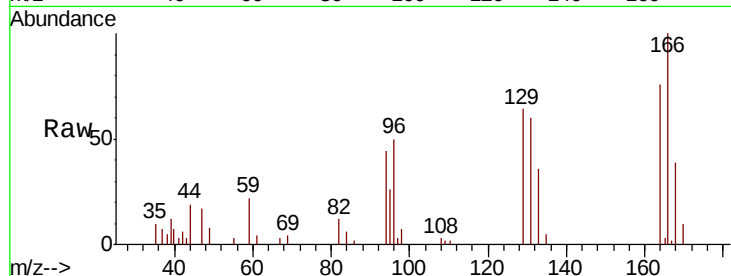
Ion Ratio Lower Upper

164 100

166 131.8 98.7 148.1

129 84.0 78.4 117.6

131 79.2 76.2 114.2

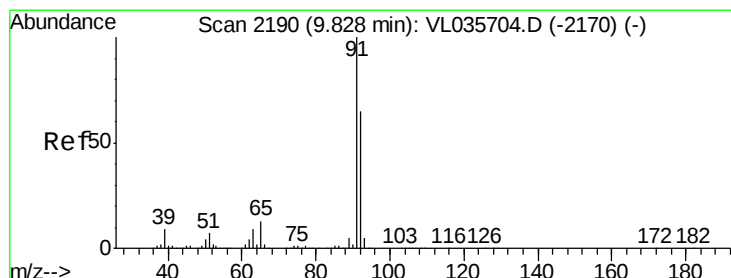
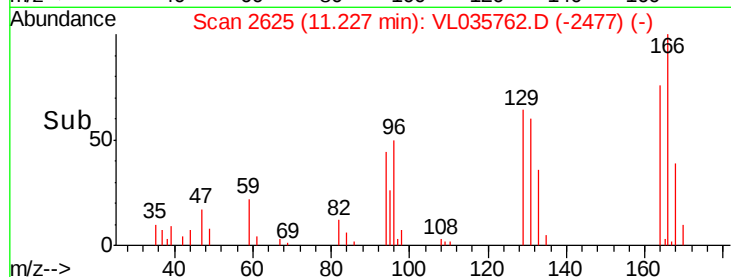
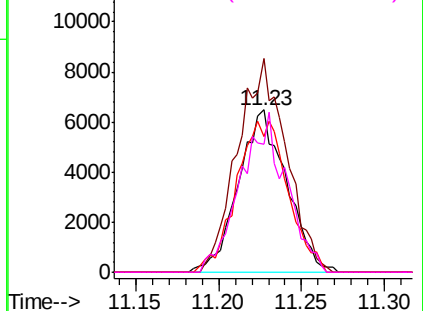


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 12.079 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.02 min

Lab File: VL035762.D

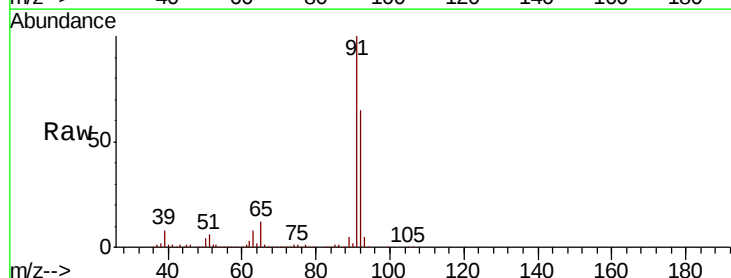
Acq: 12 Oct 2020 15:19

Tgt Ion: 91 Resp: 4058000

Ion Ratio Lower Upper

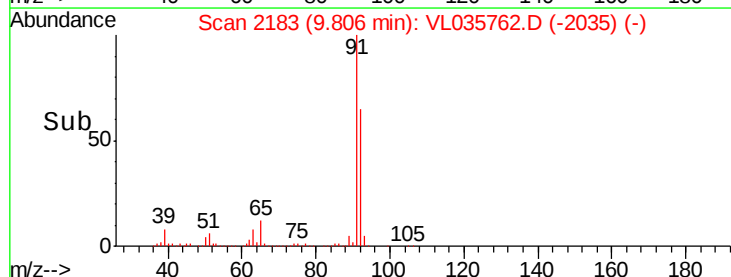
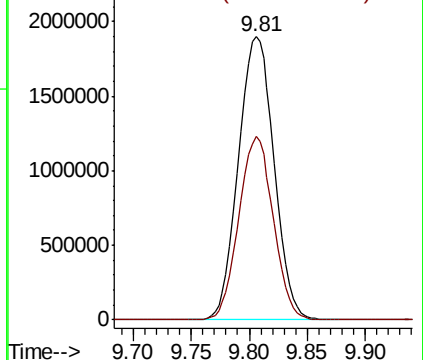
91 100

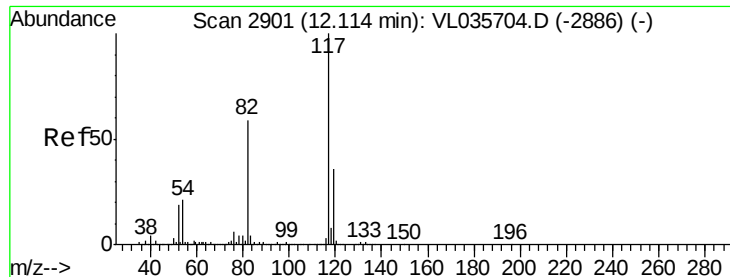
92 62.8 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

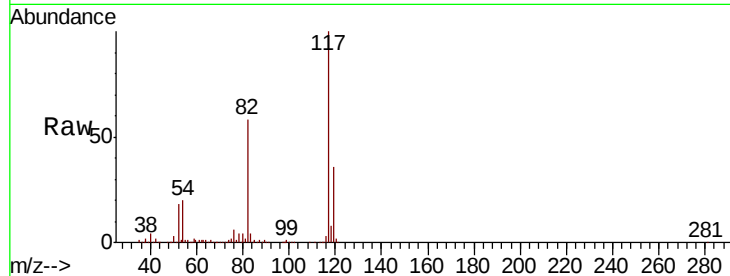




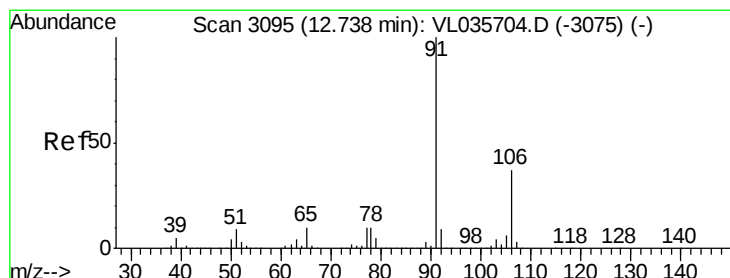
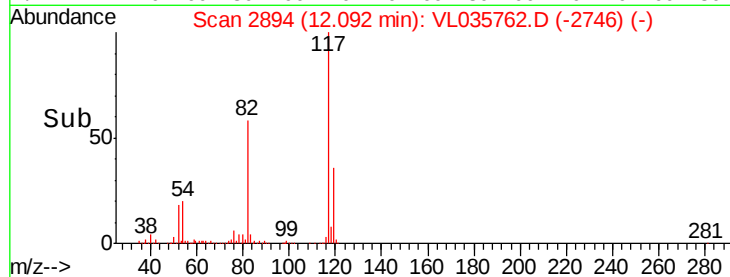
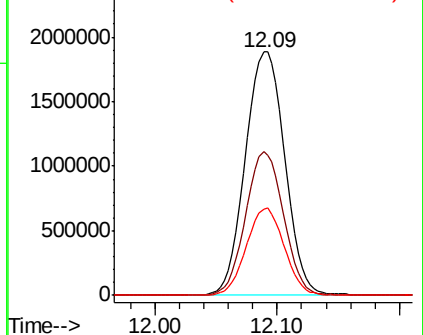
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035762.D
Acq: 12 Oct 2020 15:19

Instrument :
MSVOA_L
ClientSampled :
2DUP

Tot Ion:117 Resp: 4223063
Ion Ratio Lower Upper
117 100
82 57.3 46.1 69.1
119 34.5 28.0 42.0

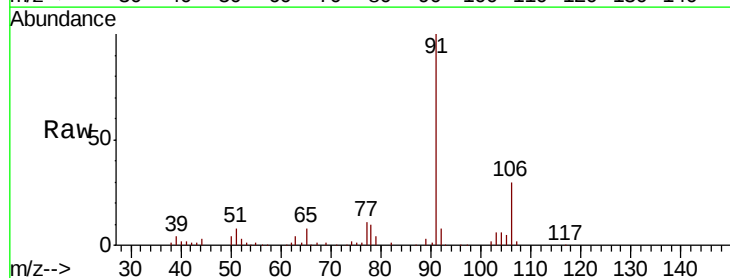


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

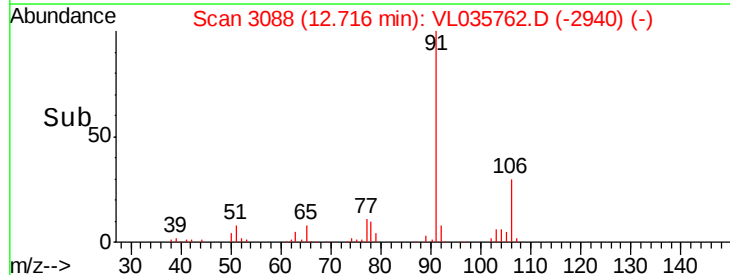
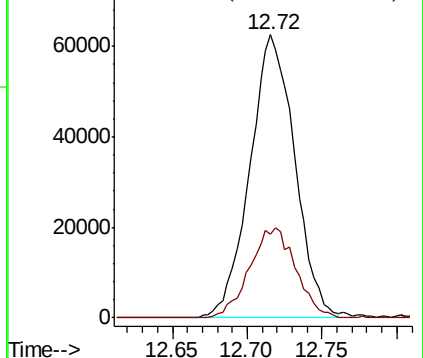


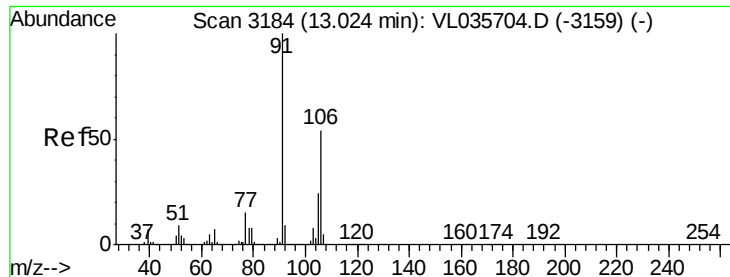
#58
Ethyl Benzene
Concen: 0.307 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.02 min
Lab File: VL035762.D
Acq: 12 Oct 2020 15:19

Tgt Ion: 91 Resp: 130219
Ion Ratio Lower Upper
91 100
106 29.6 29.7 44.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.475 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.05 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

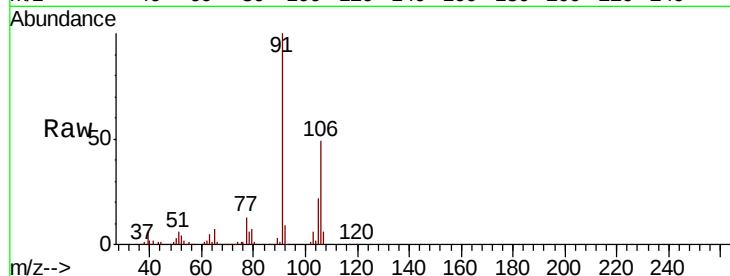
2DUP

Tot Ion: 91 Resp: 175874

Ion Ratio Lower Upper

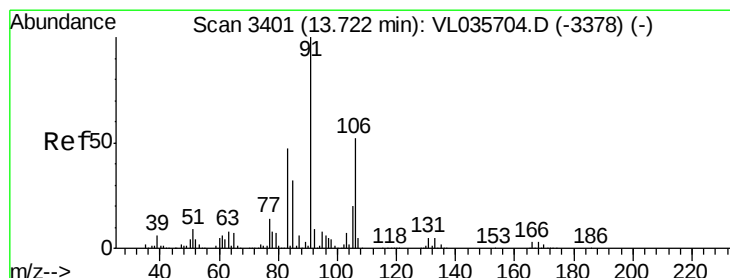
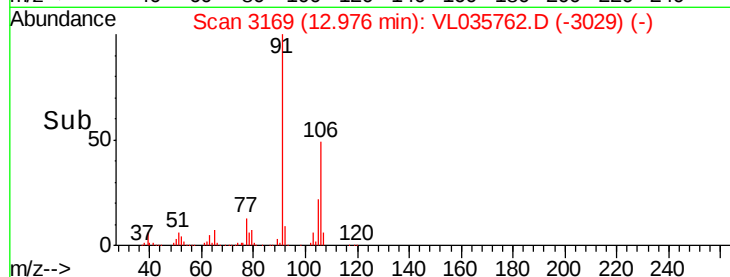
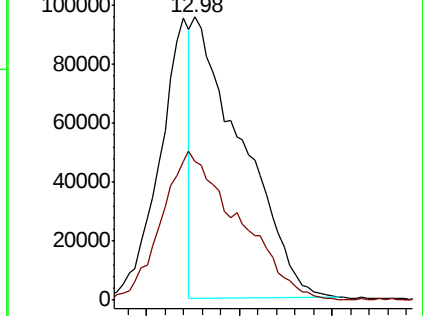
91 100

106 82.9 41.4 62.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.306 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.03 min

Lab File: VL035762.D

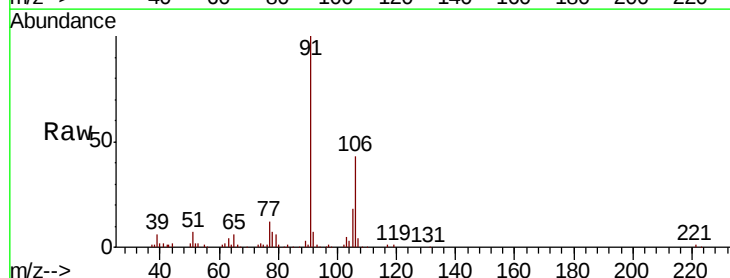
Acq: 12 Oct 2020 15:19

Tgt Ion: 91 Resp: 114538

Ion Ratio Lower Upper

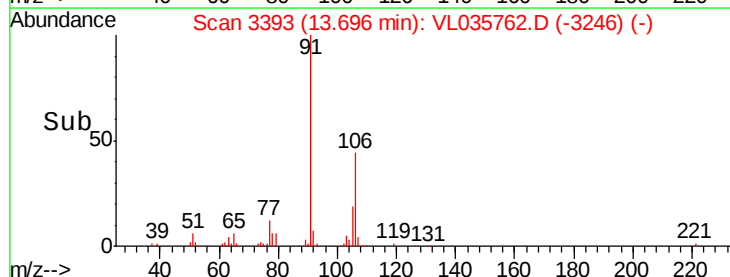
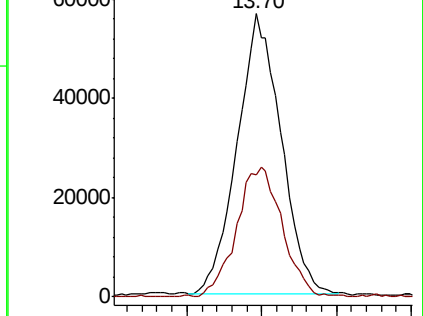
91 100

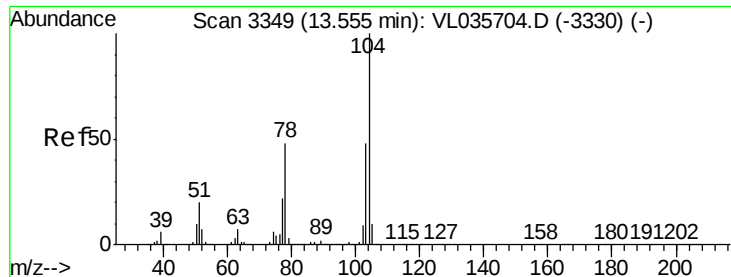
106 48.7 25.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.363 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Instrument :

MSVOA_L

ClientSampleId :

2DUP

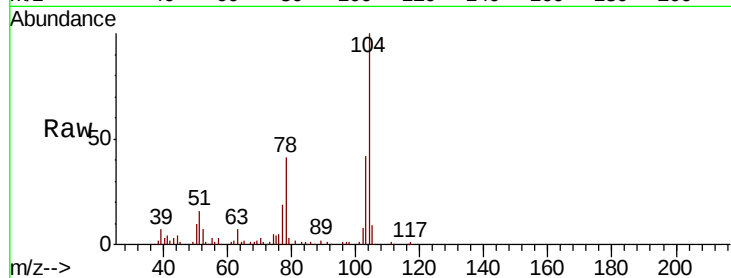
Tot Ion:104 Resp: 93951

Ion Ratio Lower Upper

104 100

78 44.6 37.2 55.8

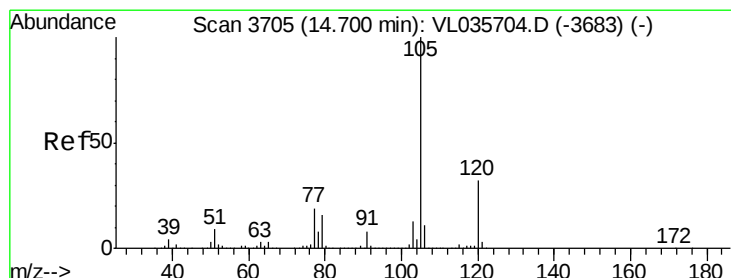
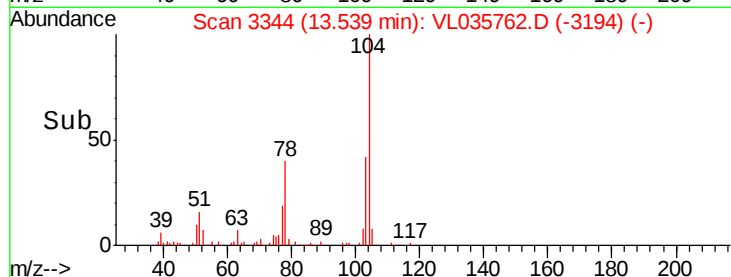
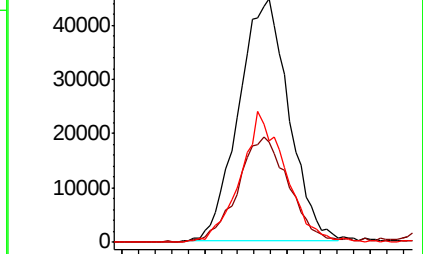
103 48.8 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.123 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035762.D

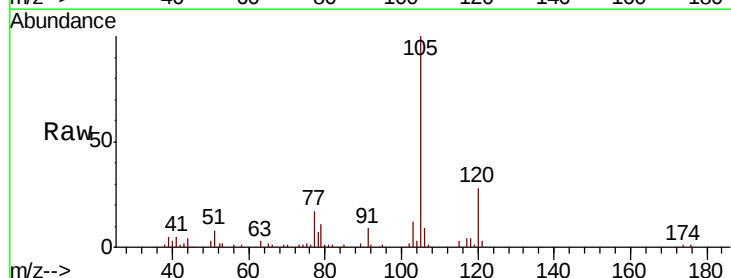
Acq: 12 Oct 2020 15:19

Tgt Ion:105 Resp: 71191

Ion Ratio Lower Upper

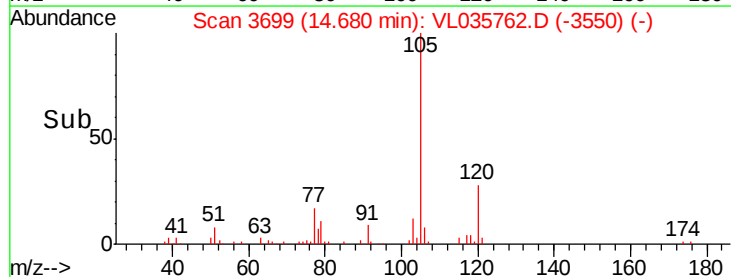
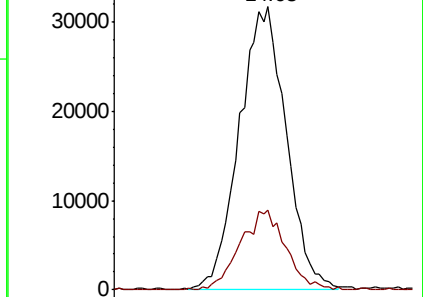
105 100

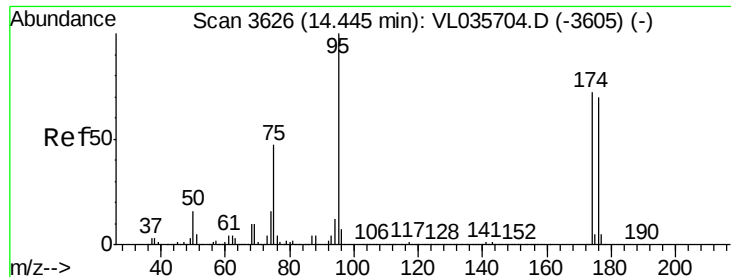
120 27.3 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

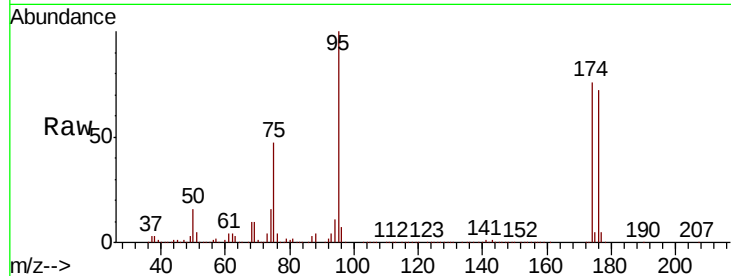




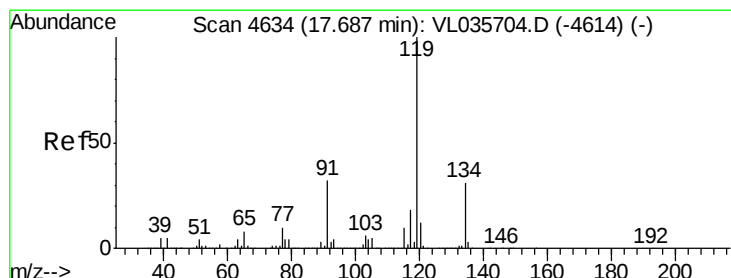
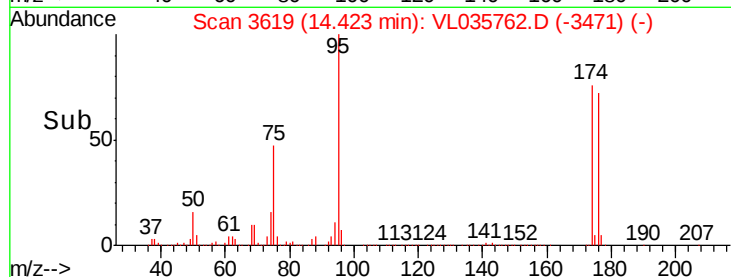
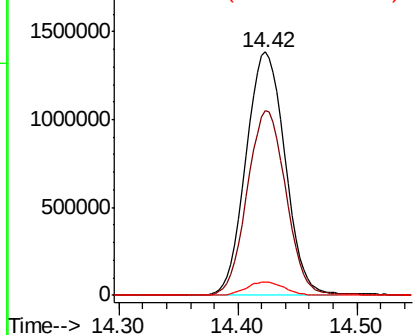
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.970 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.02 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 2DUP

Tot Ion: 95 Resp: 3155012
 Ion Ratio Lower Upper
 95 100
 174 75.9 59.6 89.4
 175 5.5 4.2 6.4

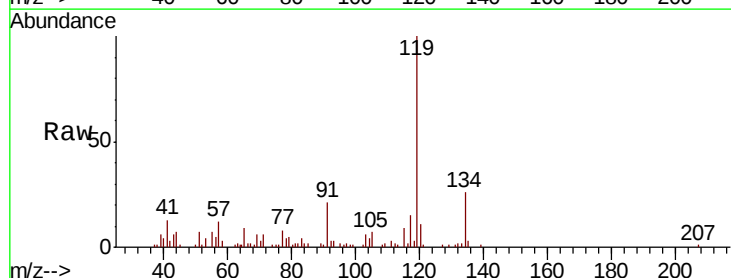


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

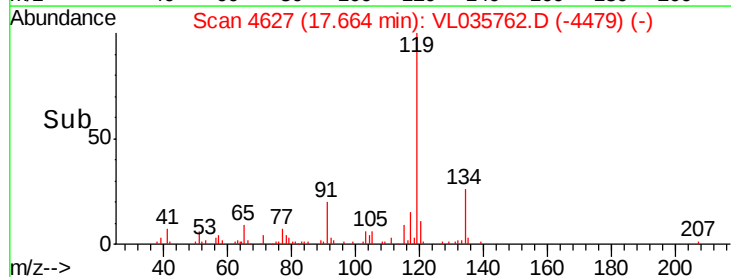
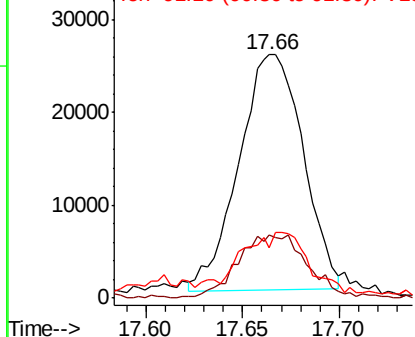


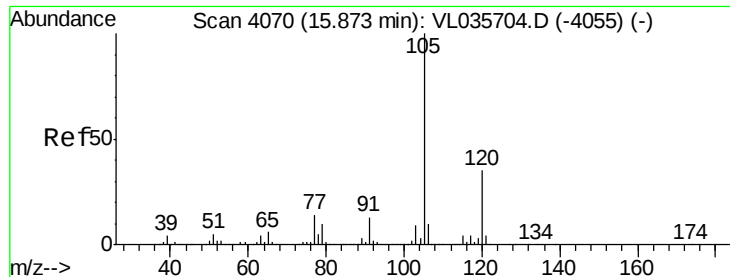
#69
 p-Isopropyltoluene
 Concen: 0.099 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.02 min
 Lab File: VL035762.D
 Acq: 12 Oct 2020 15:19

Tgt Ion: 119 Resp: 58622
 Ion Ratio Lower Upper
 119 100
 134 29.7 23.9 35.9
 91 31.0 23.8 35.6



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#72

4-Ethyltoluene

Concen: 0.045 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

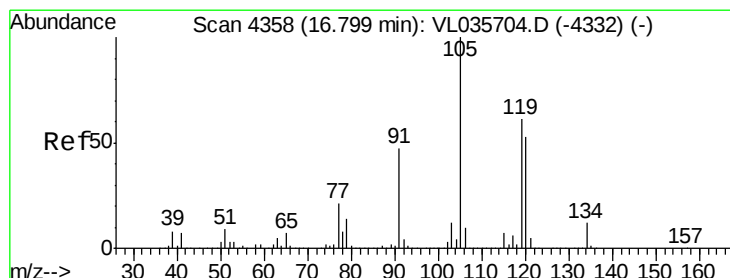
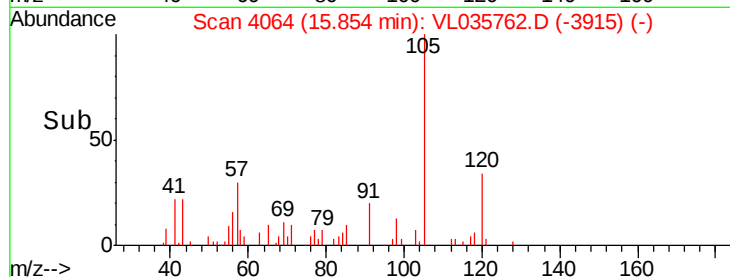
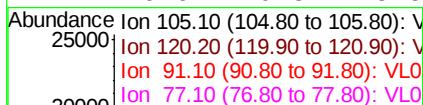
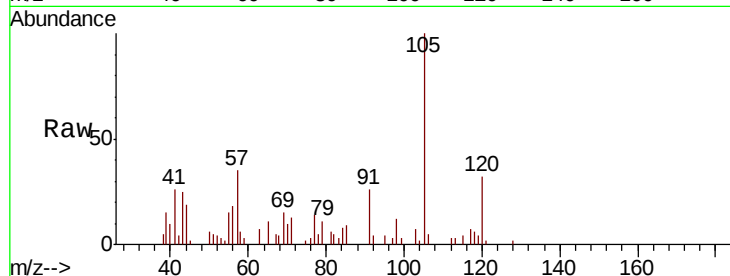
Instrument :

MSVOA_L

ClientSampleId :

2DUP

Tot Ion:105	Resp:	19791
Ion	Ratio	Lower Upper
105	100	
120	31.6	26.5 39.7
91	19.8	10.2 15.2#
77	16.6	10.3 15.5#



#74

1,2,4-Trimethylbenzene

Concen: 0.086 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.03 min

Lab File: VL035762.D

Acq: 12 Oct 2020 15:19

Tgt Ion:105	Resp:	40470
Ion	Ratio	Lower Upper
105	100	
120	46.8	42.5 63.7
91	12.0	37.7 56.5#
77	10.8	16.7 25.1#

