

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035573.D
 Acq On : 9 Sep 2020 2:26
 Operator : SY/AP
 Sample : L3898-09DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8DL

Quant Time: Sep 09 05:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1162924	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4717601	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4777863	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.42	95	3542973	10.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%	

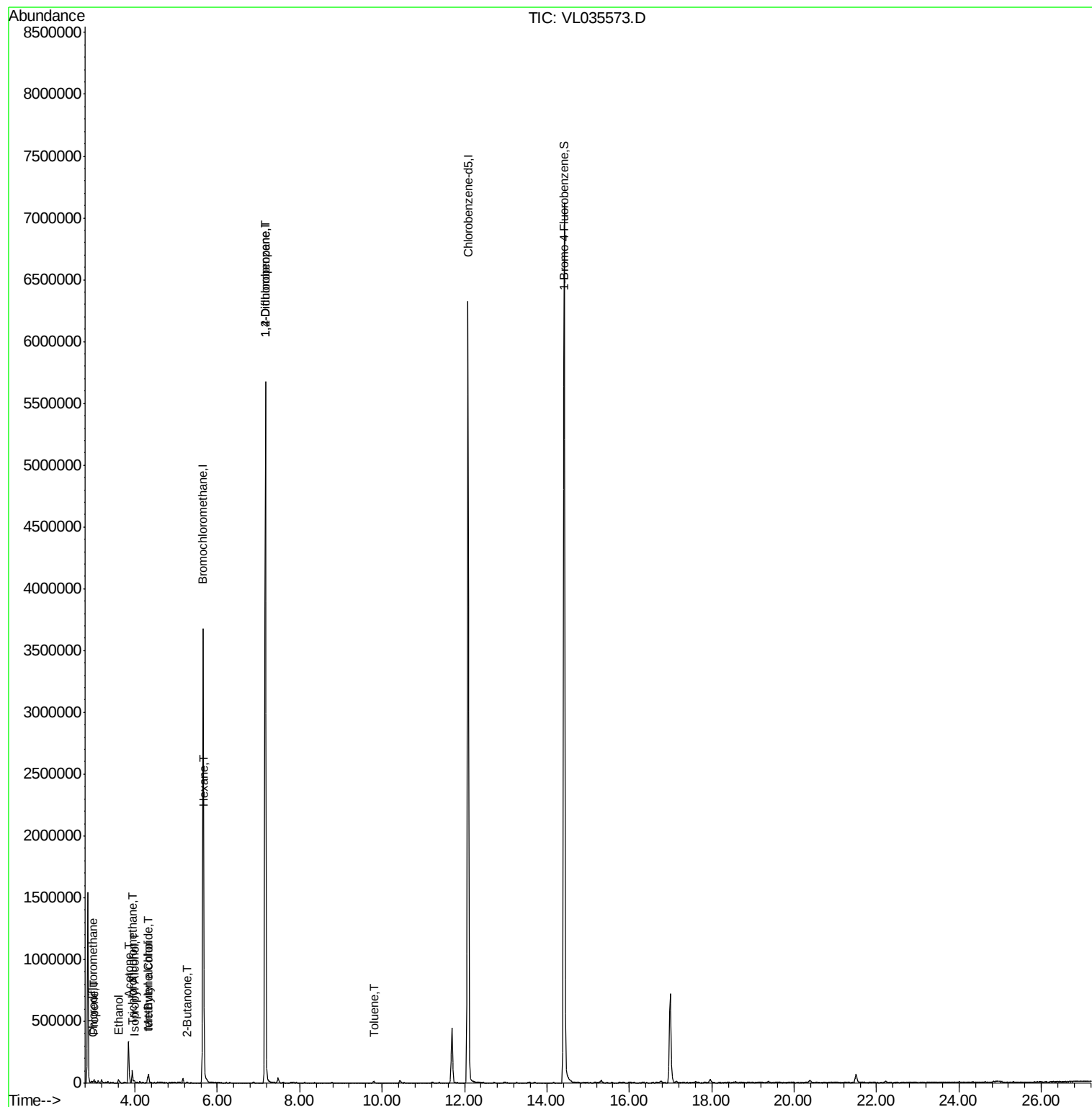
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	15129	0.118	ppbv #	71
9) Propene	3.00	41	6139	0.124	ppbv #	75
11) Trichlorofluoromethane	3.93	101	68105	0.232	ppbv	94
13) Ethanol	3.60	45	25779	2.097	ppbv	97
15) Acetone	3.84	43	321419	2.506	ppbv	99
17) tert-Butyl alcohol	4.31	59	11180	0.072	ppbv #	89
19) Isopropyl Alcohol	3.97	45	6465	0.084	ppbv #	93
20) Methylene Chloride	4.33	84	26516	0.278	ppbv	91
26) Hexane	5.68	57	5409	0.042	ppbv #	76
34) 2-Butanone	5.25	43	6682	0.048	ppbv	99
39) 1,2-Dichloropropane	7.17	63	877944	8.511	ppbv #	32
53) Toluene	9.80	91	12925	0.034	ppbv	96

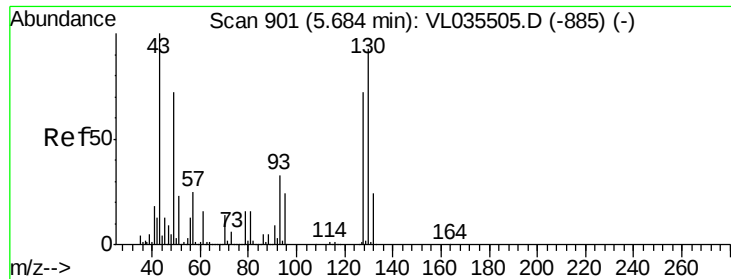
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SS-8DL

Quant Time: Sep 09 05:36:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

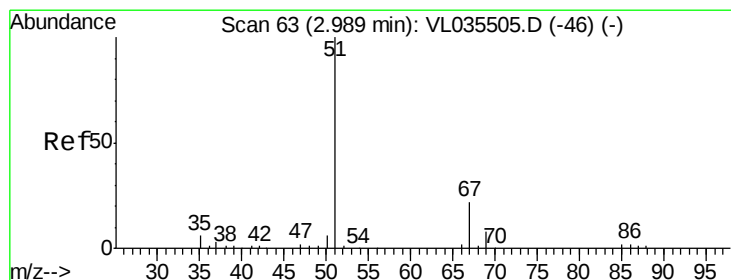
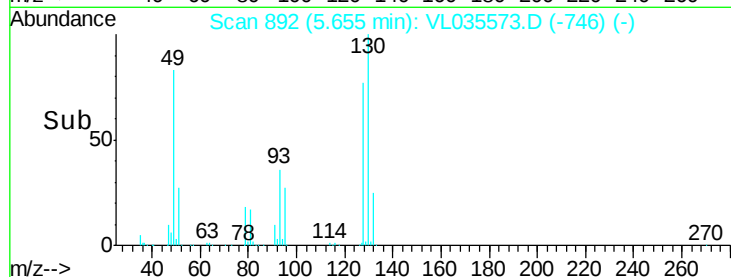
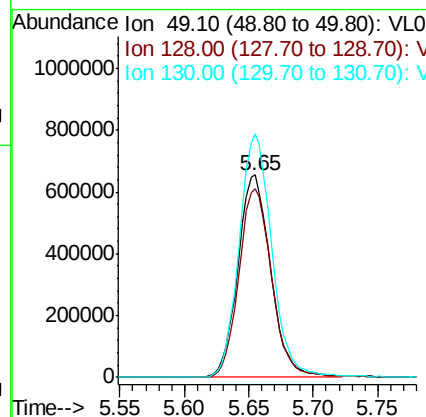
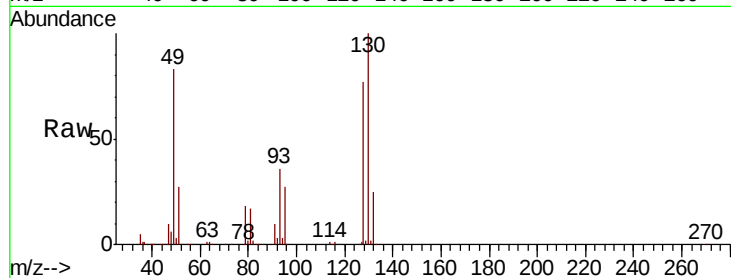




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VL035573.D
 Acq: 9 Sep 2020 2:26

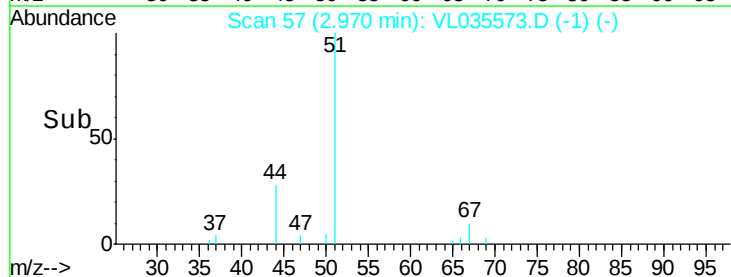
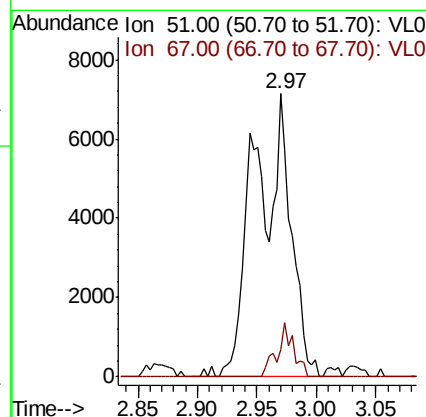
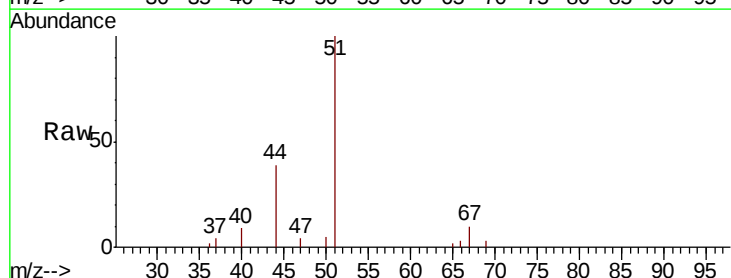
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8DL

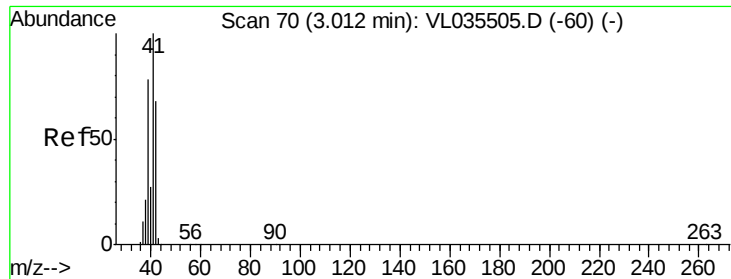
Tot Ion: 49 Resp: 1162924
 Ion Ratio Lower Upper
 49 100
 128 94.0 50.0 150.1
 130 120.3 64.4 193.2



#3
 Chlorodifluoromethane
 Concen: 0.118 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.02 min
 Lab File: VL035573.D
 Acq: 9 Sep 2020 2:26

Tgt Ion: 51 Resp: 15129
 Ion Ratio Lower Upper
 51 100
 67 8.6 17.8 26.8#





#9

Propene

Concen: 0.124 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035573.D

Acq: 9 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

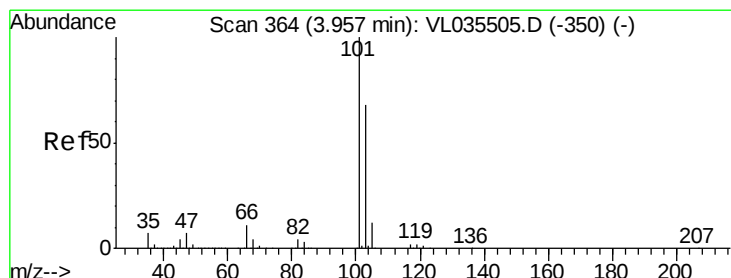
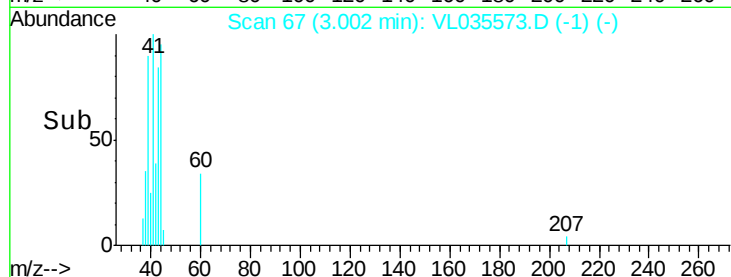
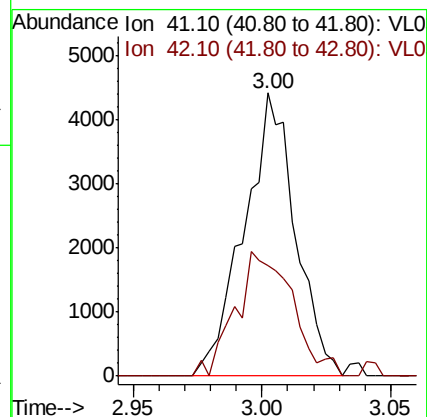
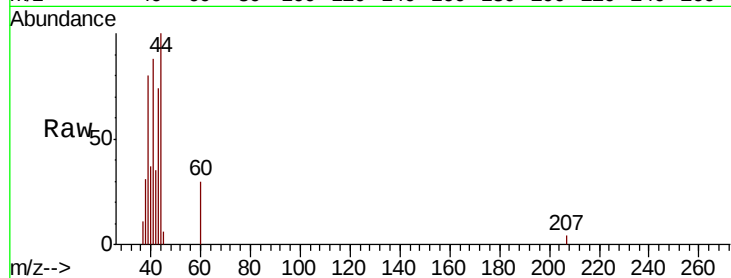
SS-8DL

Tot Ion: 41 Resp: 6139

Ion Ratio Lower Upper

41 100

42 50.1 56.3 84.5#



#11

Trichlorofluoromethane

Concen: 0.232 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL035573.D

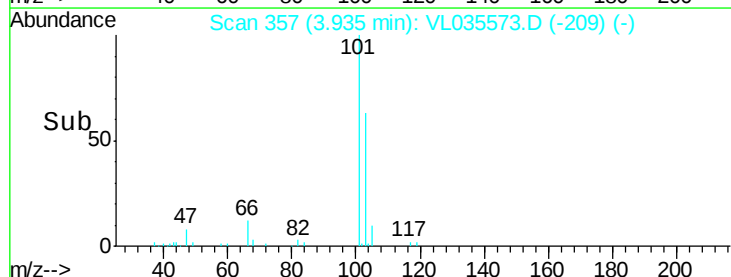
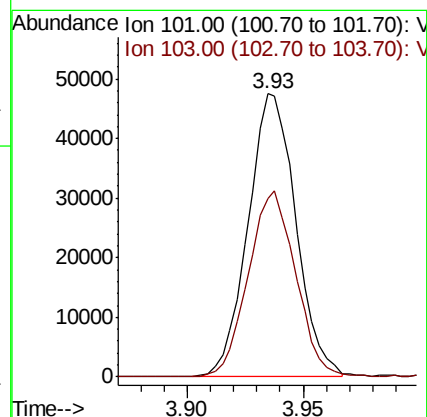
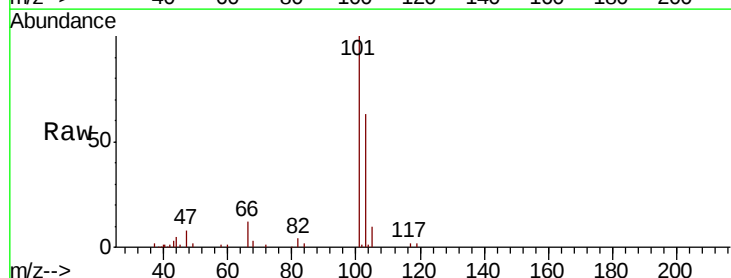
Acq: 9 Sep 2020 2:26

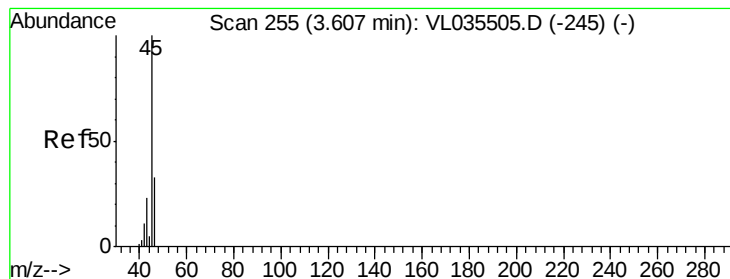
Tgt Ion: 101 Resp: 68105

Ion Ratio Lower Upper

101 100

103 63.2 54.5 81.7





#13

Ethanol

Concen: 2.097 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035573.D

Acq: 9 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

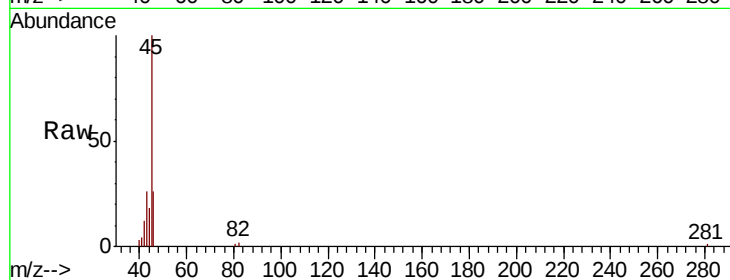
SS-8DL

Tot Ion: 45 Resp: 25779

Ion Ratio Lower Upper

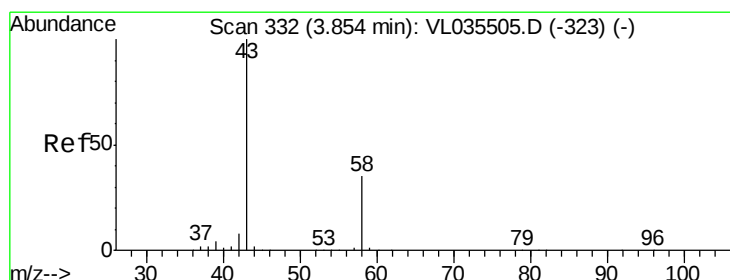
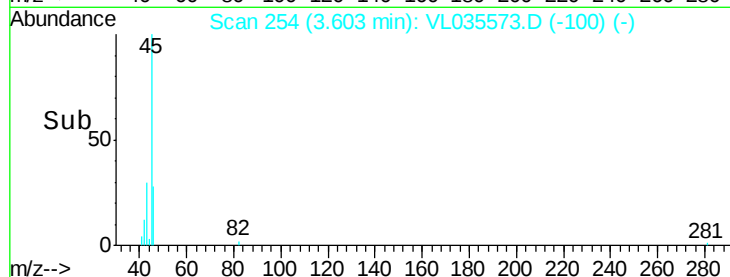
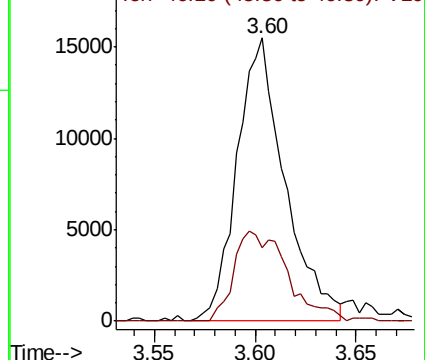
45 100

46 36.0 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 2.506 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL035573.D

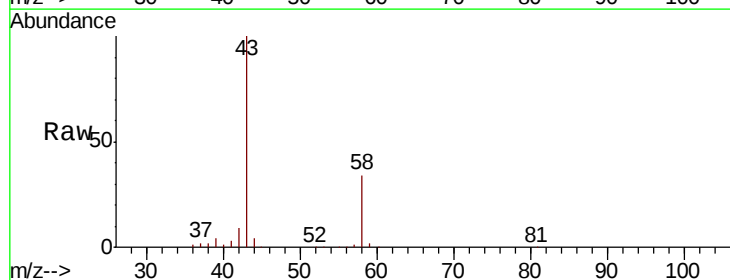
Acq: 9 Sep 2020 2:26

Tgt Ion: 43 Resp: 321419

Ion Ratio Lower Upper

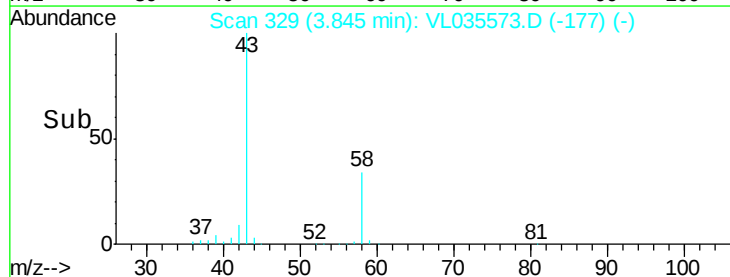
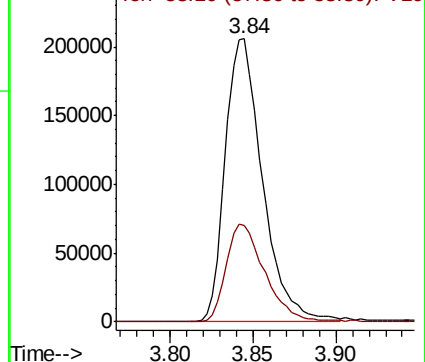
43 100

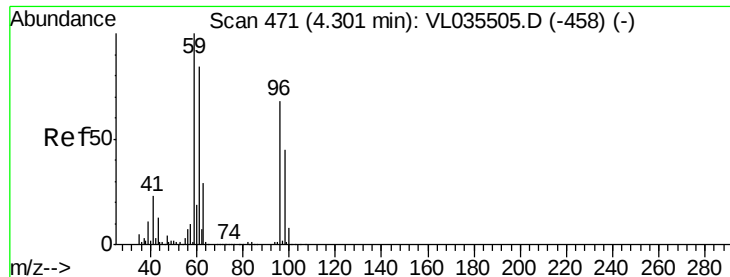
58 36.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

tert-Butyl alcohol

Concen: 0.072 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL035573.D

Acq: 9 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

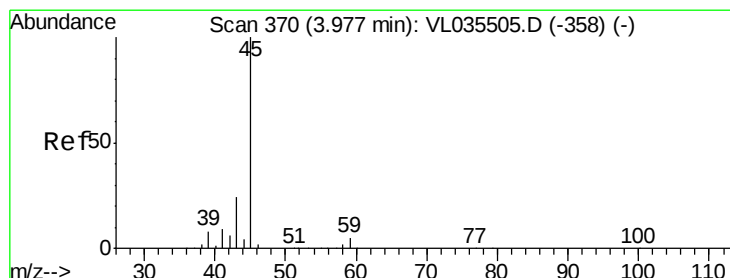
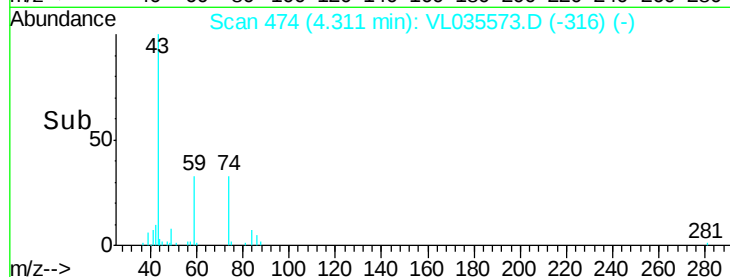
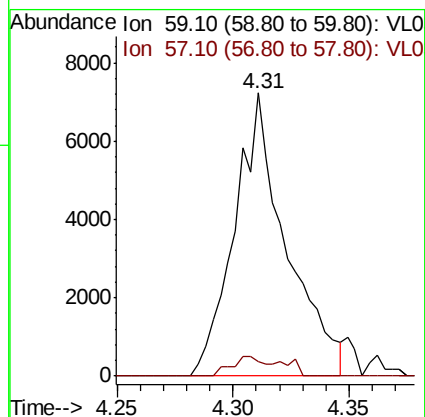
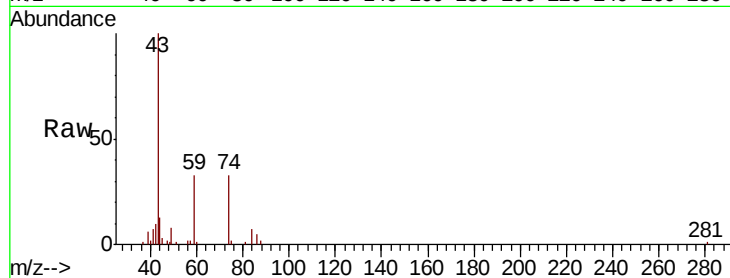
SS-8DL

Tot Ion: 59 Resp: 11180

Ion Ratio Lower Upper

59 100

57 6.5 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 0.084 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL035573.D

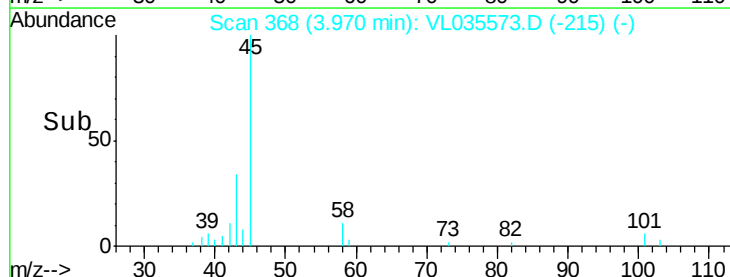
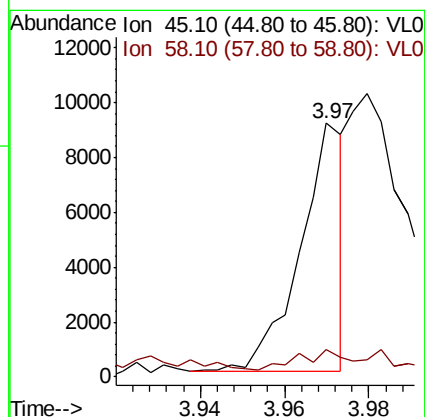
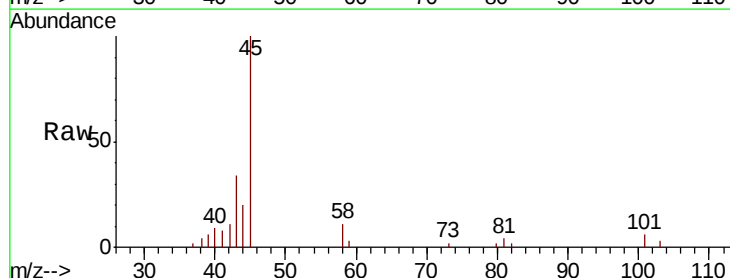
Acq: 9 Sep 2020 2:26

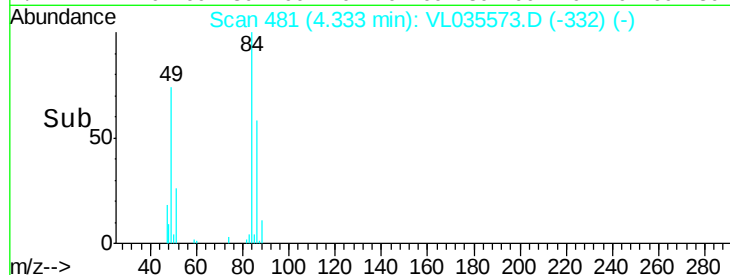
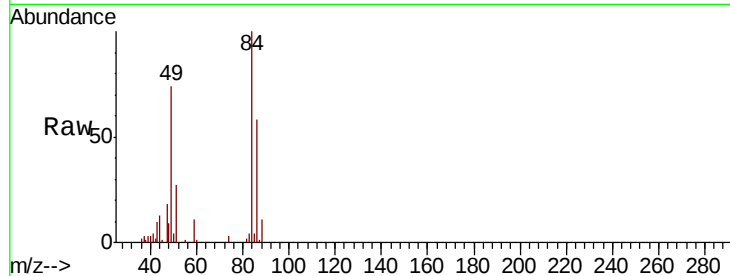
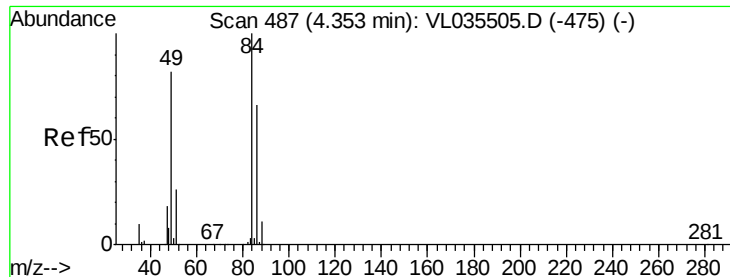
Tgt Ion: 45 Resp: 6465

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

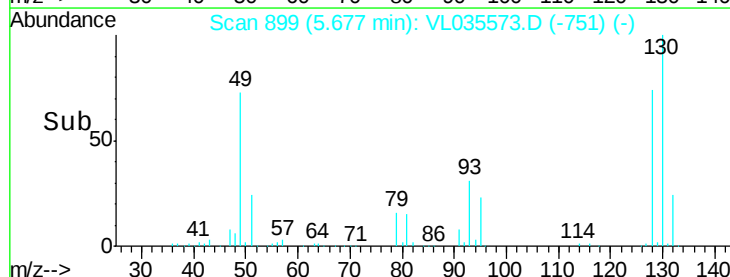
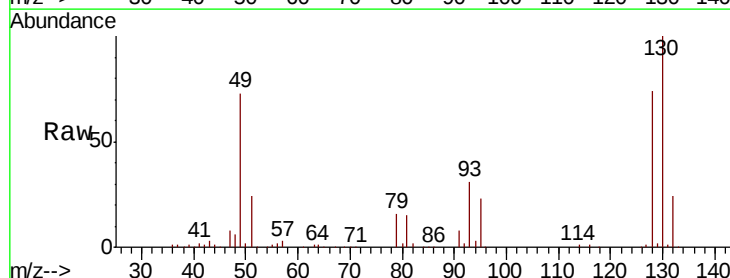
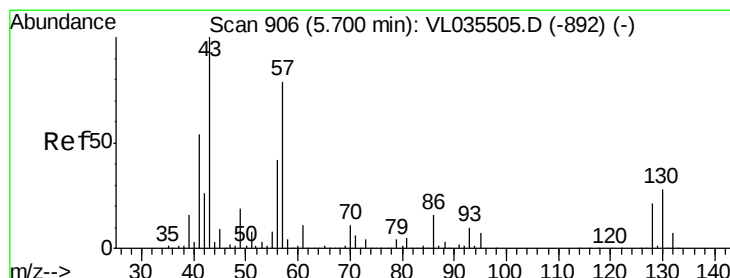
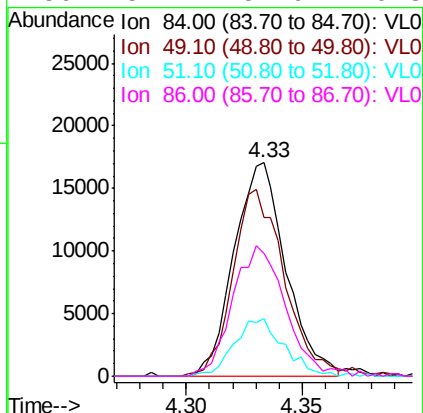




#20
Methvlene Chloride
Concen: 0.278 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

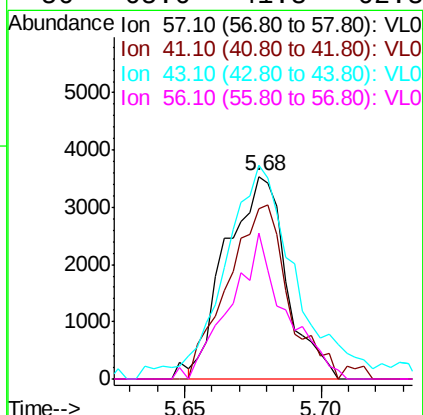
Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

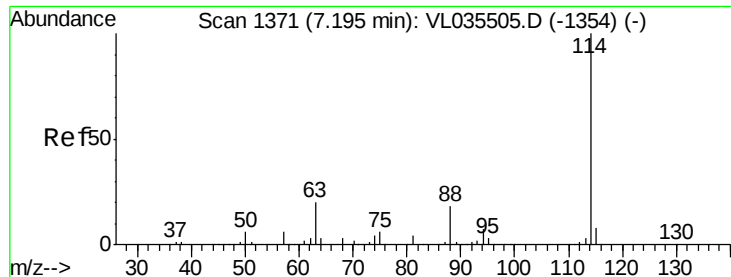
Tot Ion:	84	Resp:	26516
Ion	Ratio	Lower	Upper
84	100		
49	73.1	65.4	98.0
51	27.2	21.5	32.3
86	57.7	52.9	79.3



#26
Hexane
Concen: 0.042 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Tgt Ion:	57	Resp:	5409
Ion	Ratio	Lower	Upper
57	100		
41	88.4	55.9	83.9#
43	141.2	141.8	212.8#
56	65.6	41.8	62.8#

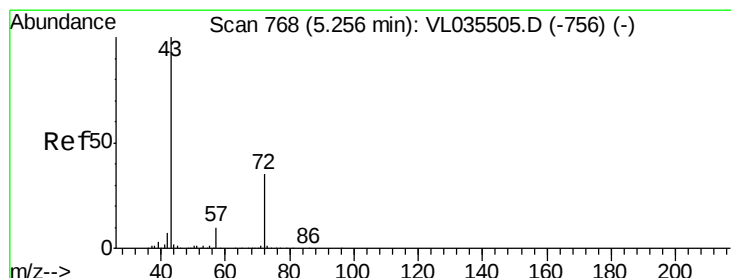
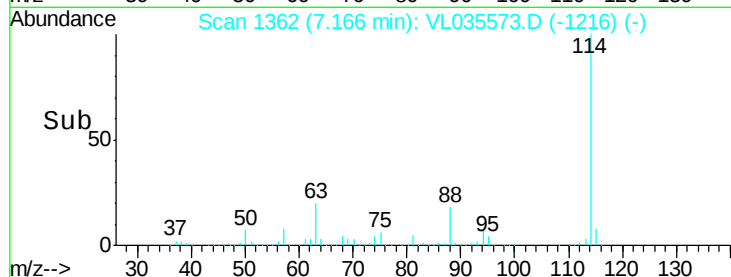
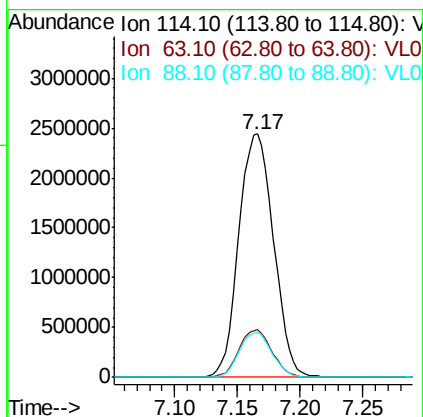
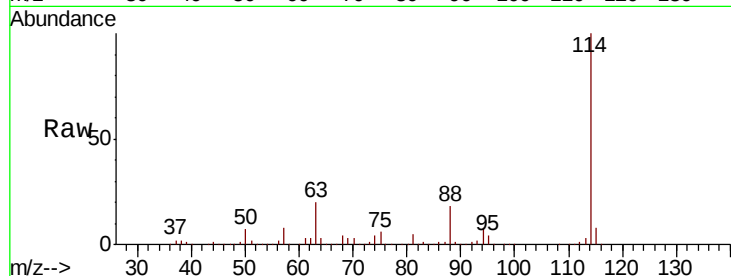




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL035573.D
 Acq: 9 Sep 2020 2:26

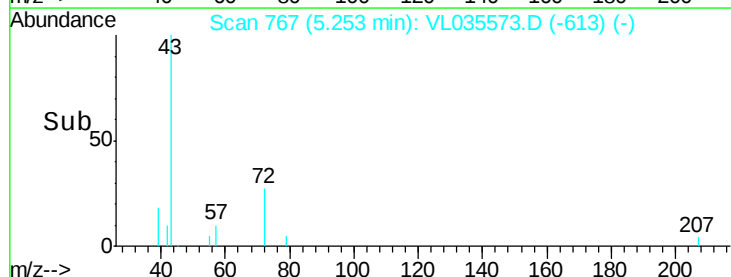
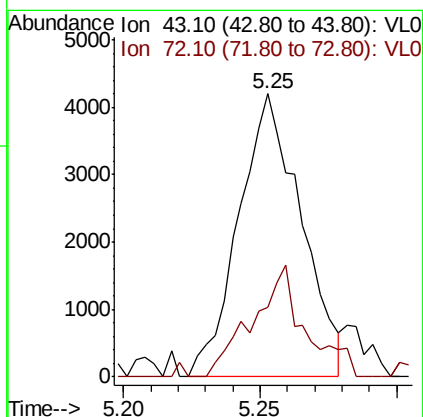
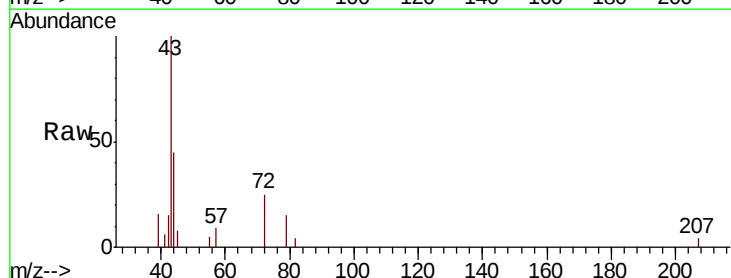
Instrument :
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 SS-8DL

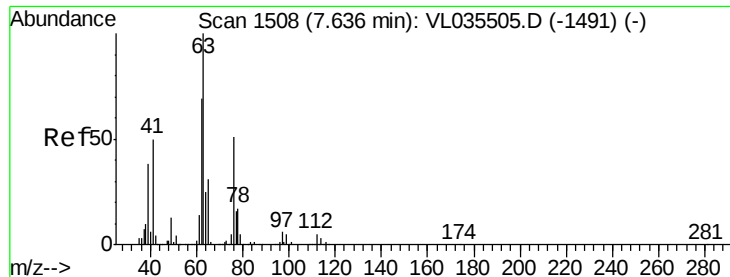
Tot Ion:114 Resp: 4717601
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.7 22.1
 88 17.4 13.4 20.2



#34
 2-Butanone
 Concen: 0.048 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VL035573.D
 Acq: 9 Sep 2020 2:26

Tgt Ion: 43 Resp: 6682
 Ion Ratio Lower Upper
 43 100
 72 33.8 27.7 41.5





#39

1,2-Dichloropropane

Concen: 8.511 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL035573.D

Acq: 9 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

SS-8DL

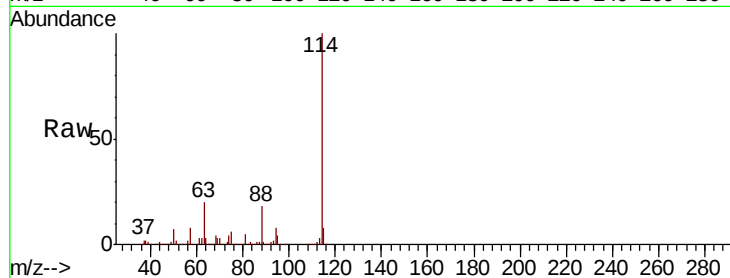
Tot Ion: 63 Resp: 877944

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

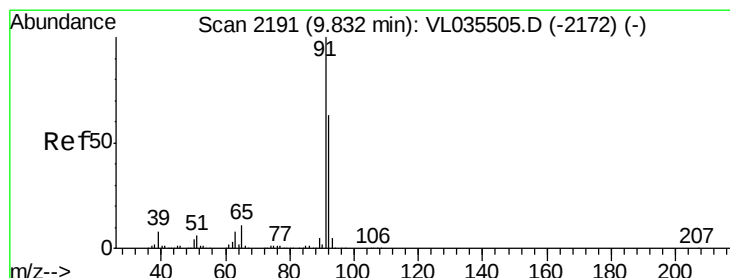
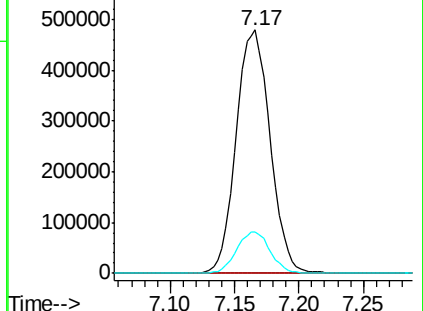
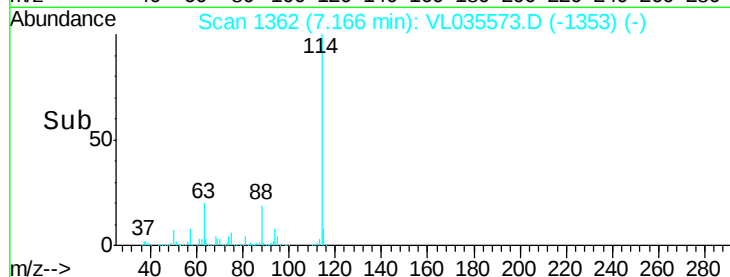
62 16.8 55.4 83.0#



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



#53

Toluene

Concen: 0.034 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.04 min

Lab File: VL035573.D

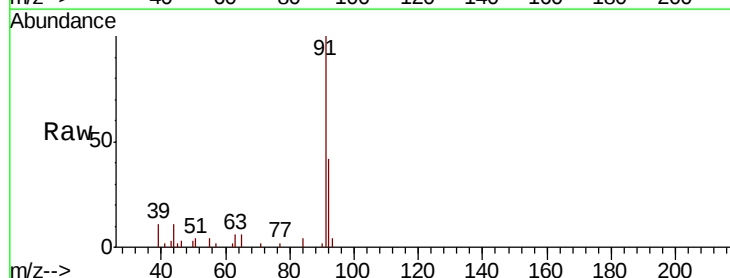
Acq: 9 Sep 2020 2:26

Tgt Ion: 91 Resp: 12925

Ion Ratio Lower Upper

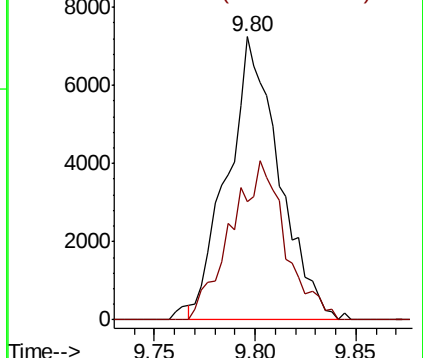
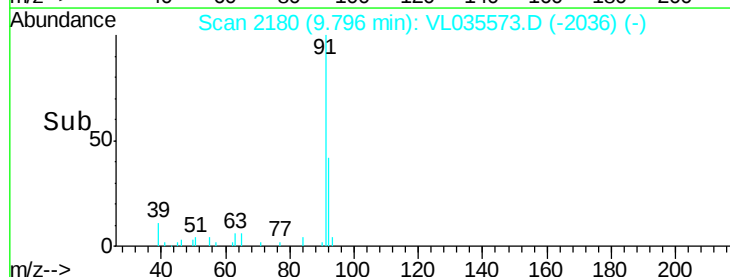
91 100

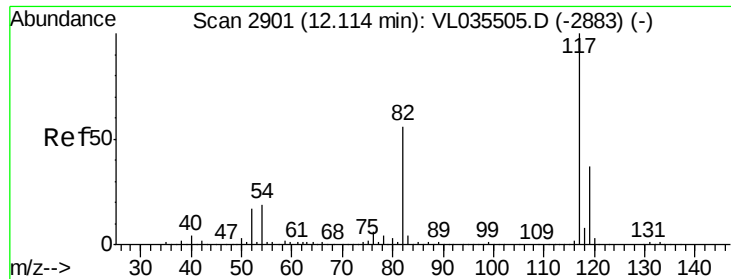
92 59.0 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

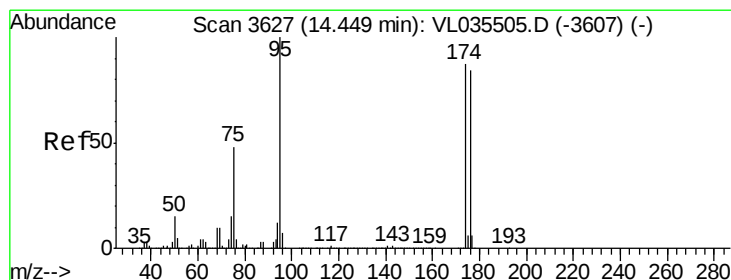
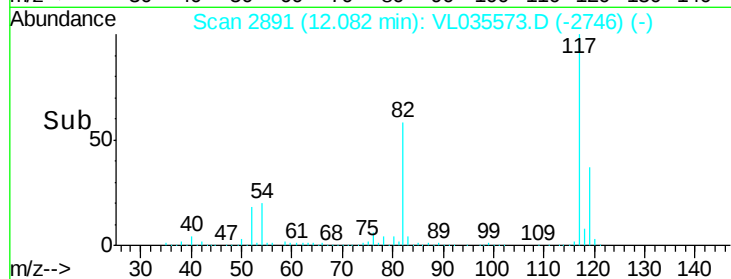
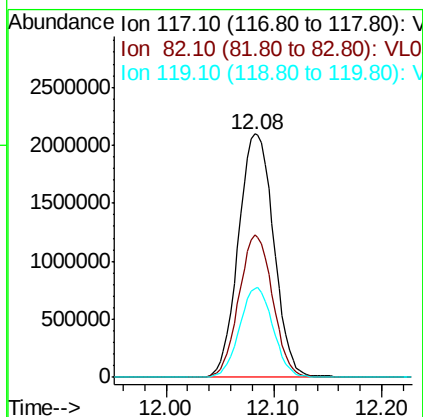
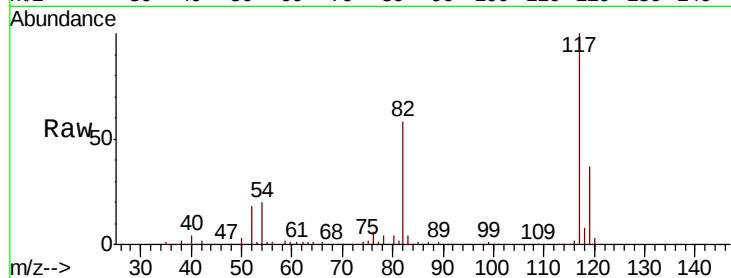




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.03 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

Tot Ion:117 Resp: 4777863
Ion Ratio Lower Upper
117 100
82 56.4 41.6 62.4
119 35.1 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.442 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.03 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Tgt Ion: 95 Resp: 3542973
Ion Ratio Lower Upper
95 100
174 82.6 69.6 104.4
175 6.0 5.1 7.7

