

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
 Data File : VL036152.D
 Acq On : 11 Dec 2020 6:43
 Operator : SY/AP
 Sample : L5005-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 48-1

Quant Time: Dec 11 10:53:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1314888	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2460575	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2216522	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1858212	10.56	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

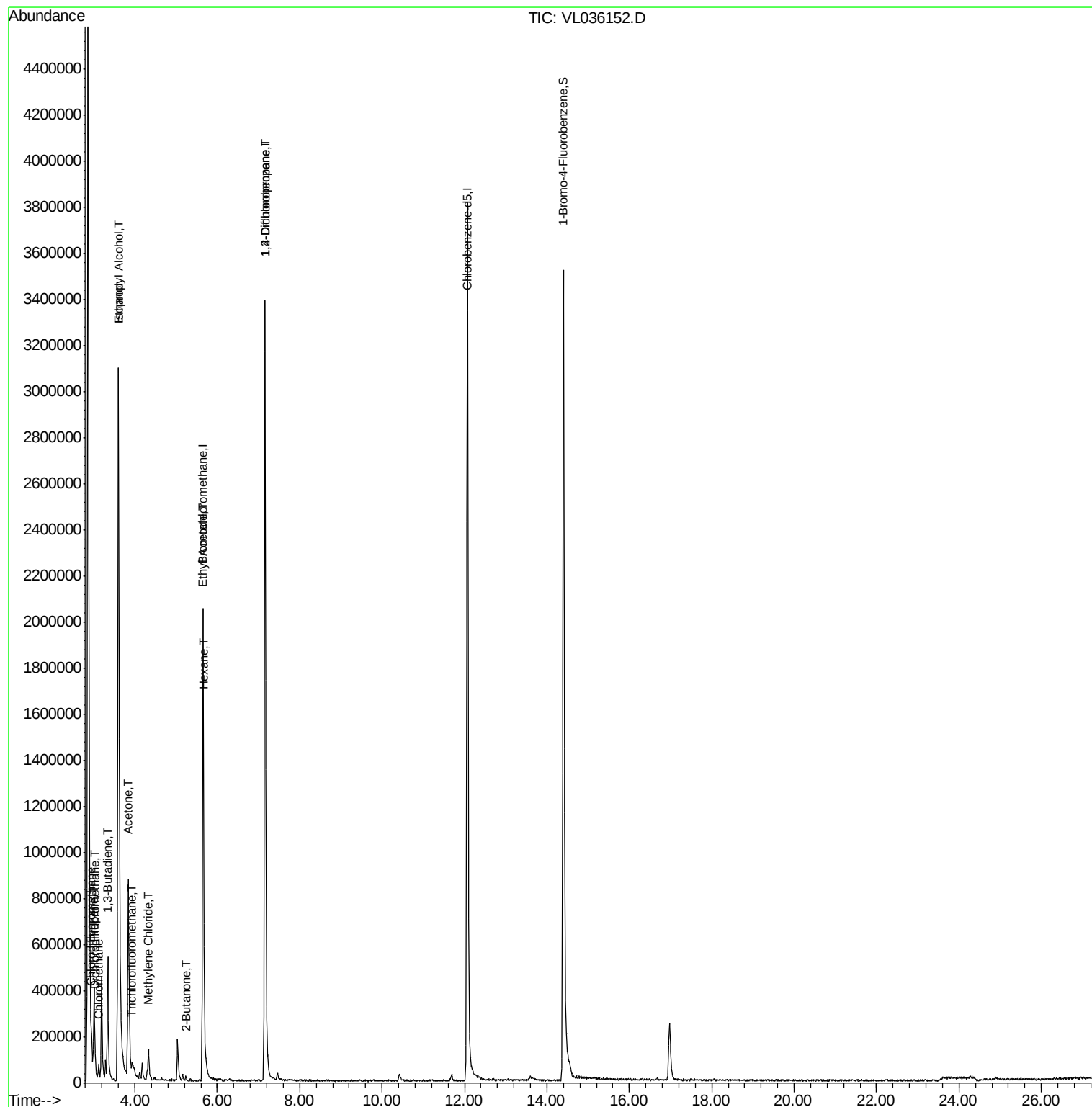
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	44380	0.290	ppbv	92
3) Chlorodifluoromethane	2.95	51	117192	0.781	ppbv #	72
4) Chloromethane	3.12	50	55634	0.755	ppbv	98
9) Propene	3.01	41	57921	0.771	ppbv	95
11) Trichlorofluoromethane	3.93	101	32194	0.179	ppbv	99
13) Ethanol	3.60	45	4725316	456.103	ppbv	85
15) Acetone	3.83	43	1180282	7.469	ppbv	96
16) 1,3-Butadiene	3.34	39	87878	1.104	ppbv #	17
19) Isopropyl Alcohol	3.60	45	4725316	48.922	ppbv #	100
20) Methylene Chloride	4.33	84	43425	0.671	ppbv #	87
25) Ethyl Acetate	5.66	43	26613	0.084	ppbv #	53
26) Hexane	5.67	57	5543	0.039	ppbv #	1
34) 2-Butanone	5.24	43	17491	0.107	ppbv #	91
39) 1,2-Dichloropropane	7.16	63	805858	9.786	ppbv #	24

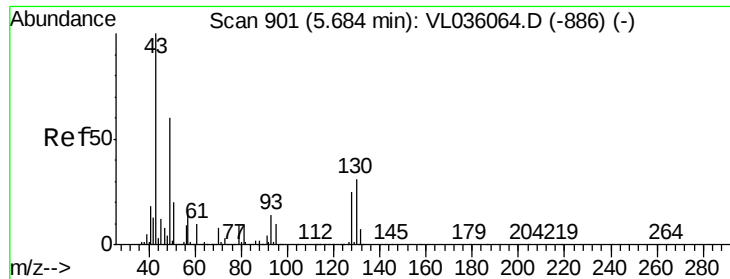
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
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48-1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_X

ClientSampleId :

48-1

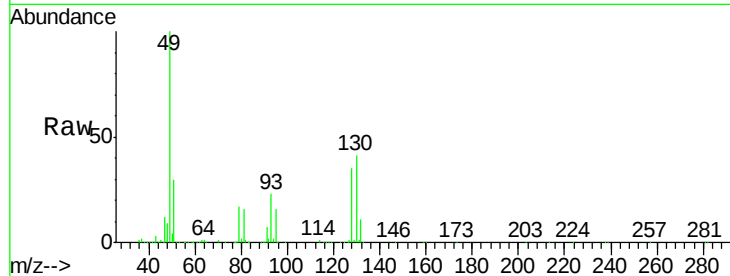
Tgt Ion: 49 Resp: 1314888

Ion Ratio Lower Upper

49 100

128 34.7 21.1 63.1

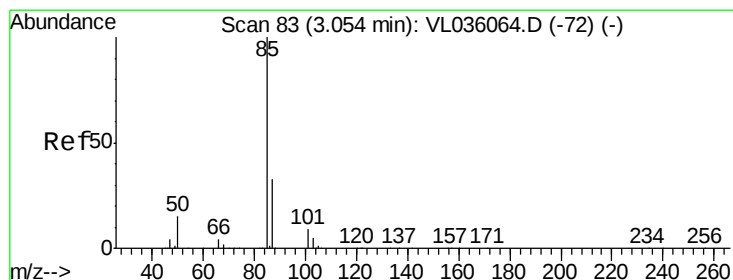
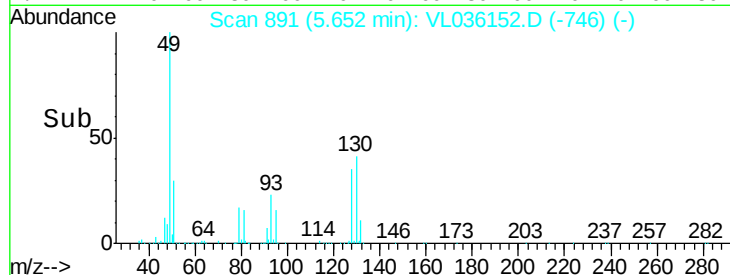
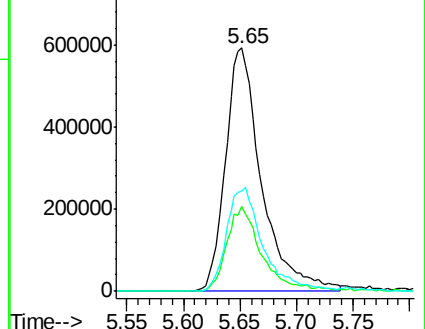
130 44.3 27.1 81.3



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: 0.290 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036152.D

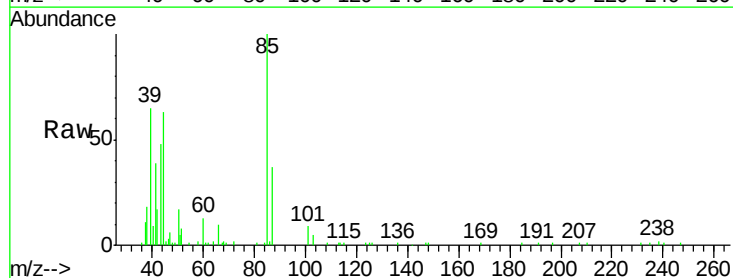
Acq: 11 Dec 2020 6:43

Tgt Ion: 85 Resp: 44380

Ion Ratio Lower Upper

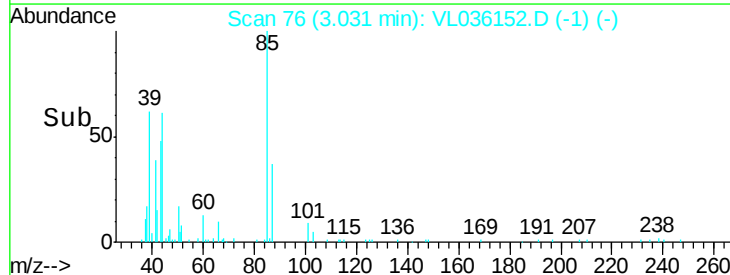
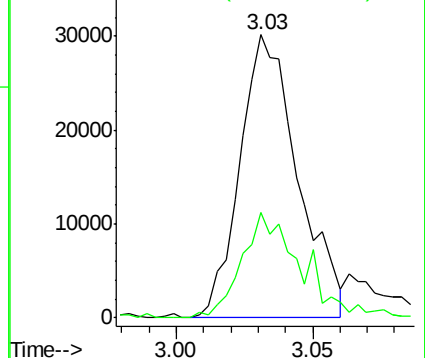
85 100

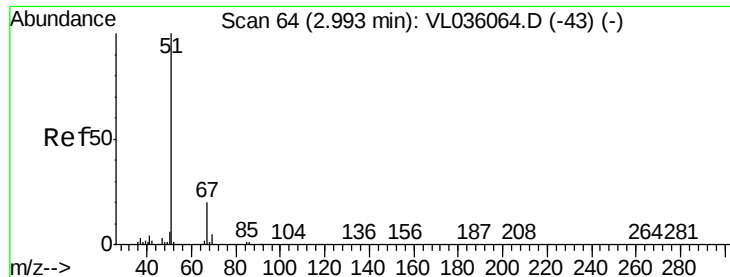
87 37.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.781 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.05 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_X

ClientSampleId :

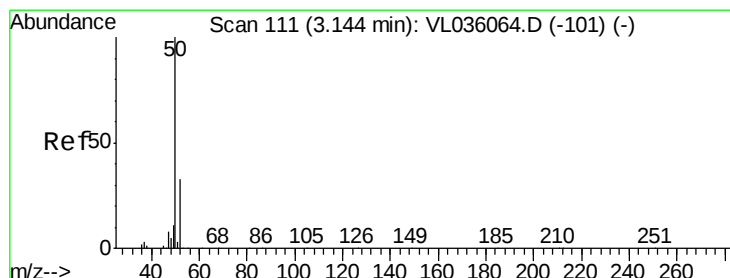
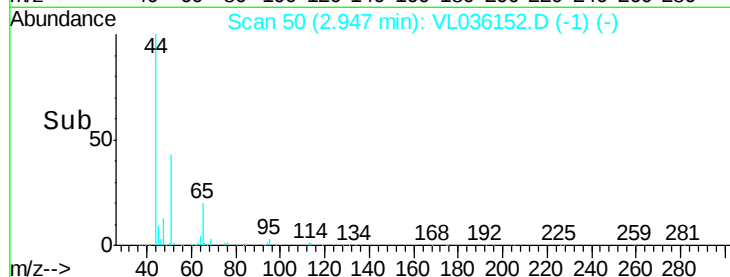
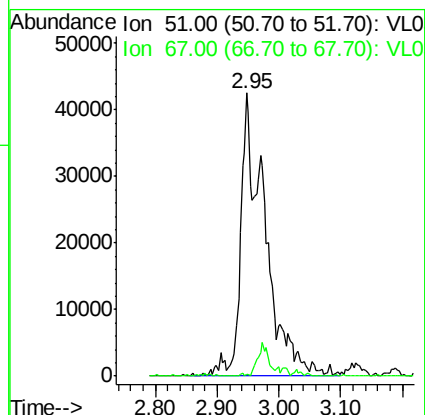
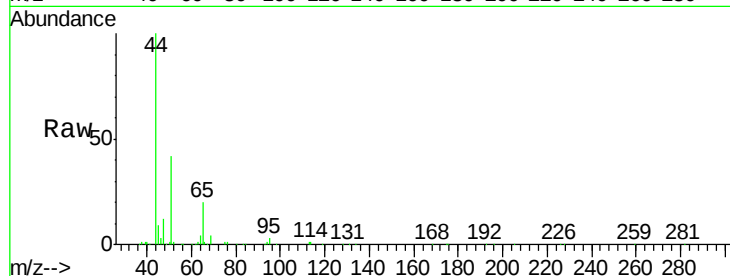
48-1

Tgt Ion: 51 Resp: 117192

Ion Ratio Lower Upper

51 100

67 5.6 14.3 21.5#



#4

Chloromethane

Concen: 0.755 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036152.D

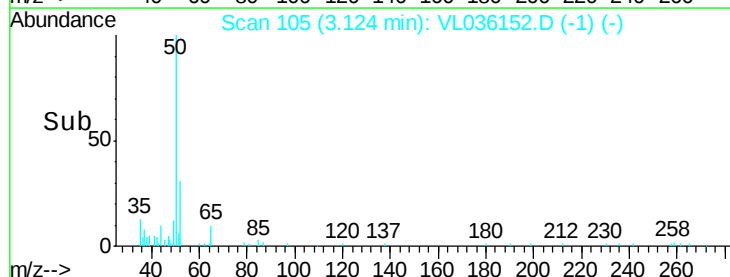
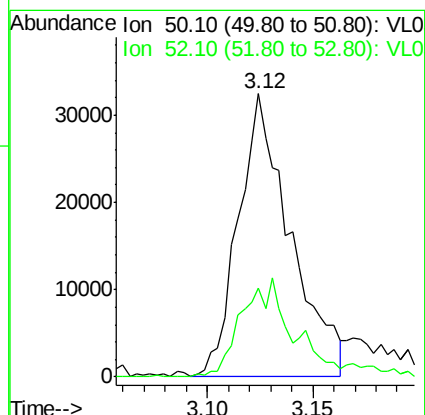
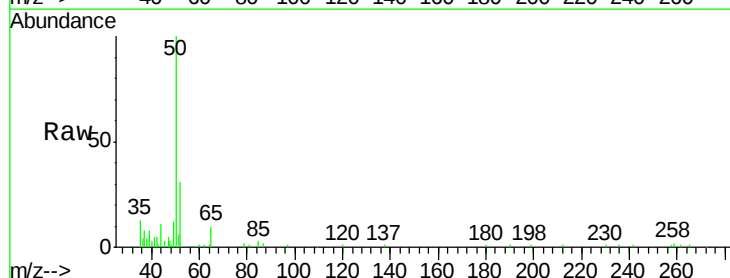
Acq: 11 Dec 2020 6:43

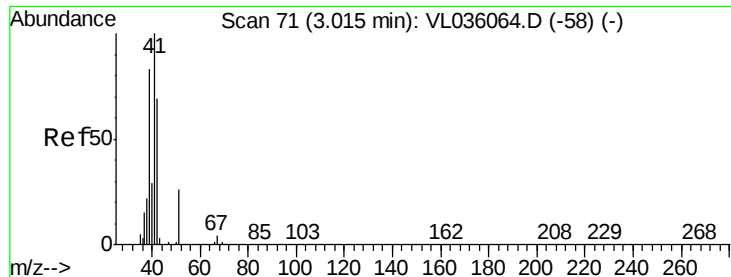
Tgt Ion: 50 Resp: 55634

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1





#9

Propene

Concen: 0.771 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_X

ClientSampleId :

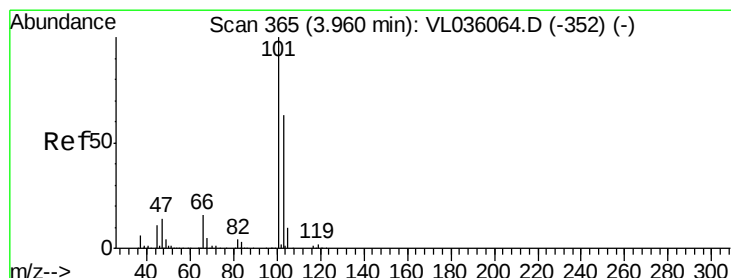
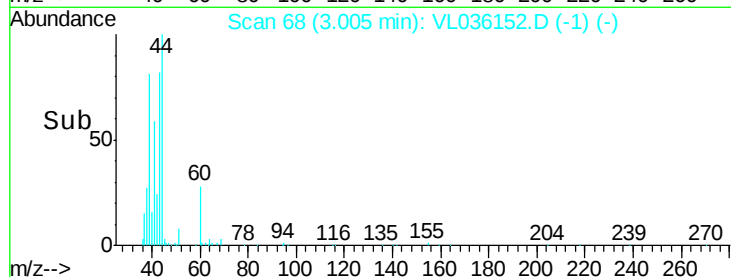
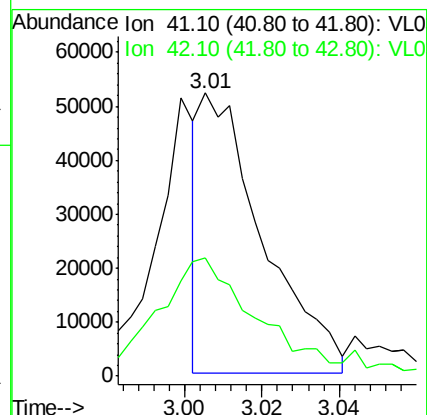
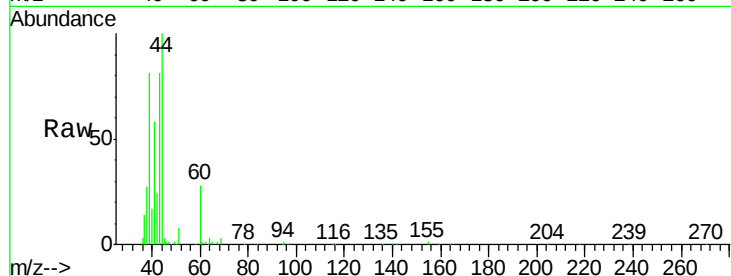
48-1

Tgt Ion: 41 Resp: 57921

Ion Ratio Lower Upper

41 100

42 75.1 57.0 85.6



#11

Trichlorofluoromethane

Concen: 0.179 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.03 min

Lab File: VL036152.D

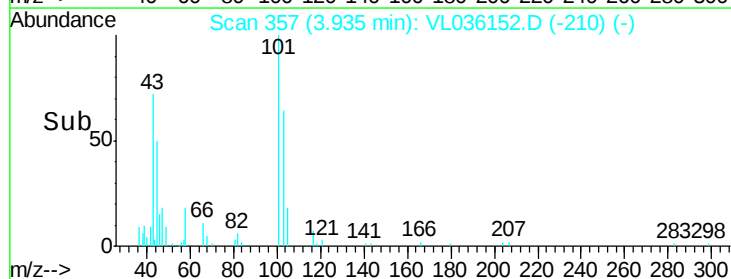
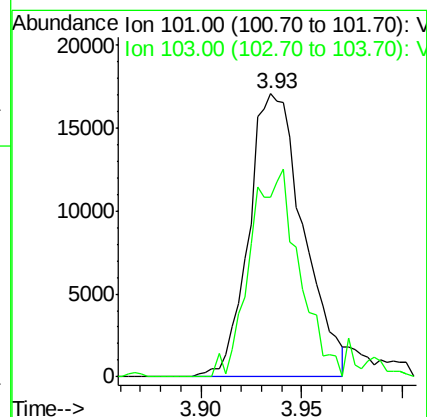
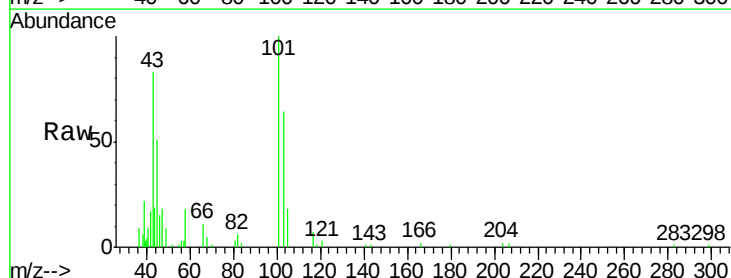
Acq: 11 Dec 2020 6:43

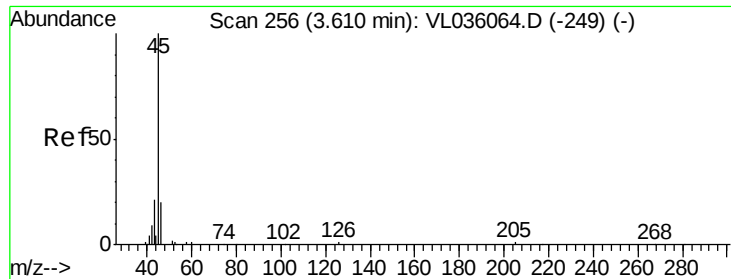
Tgt Ion: 101 Resp: 32194

Ion Ratio Lower Upper

101 100

103 63.7 50.3 75.5





#13

Ethanol

Concen: 456.103 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_X

ClientSampleId :

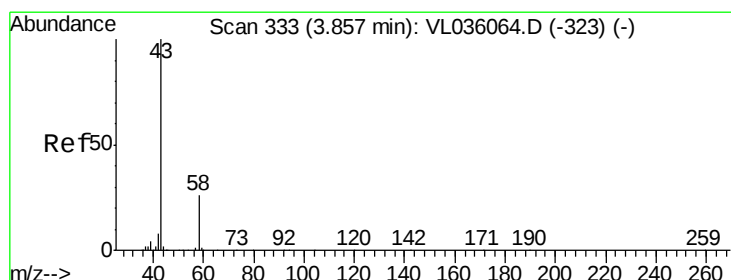
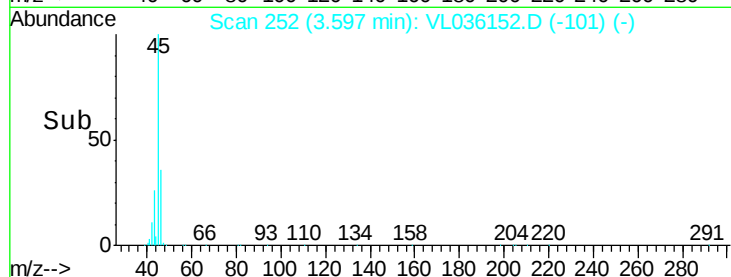
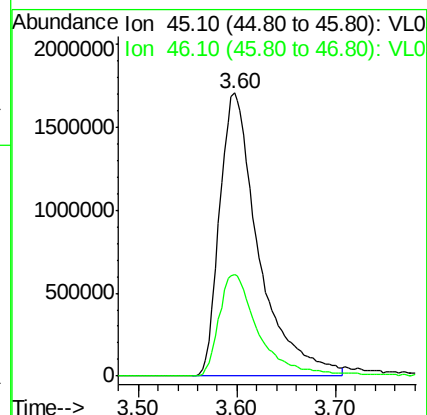
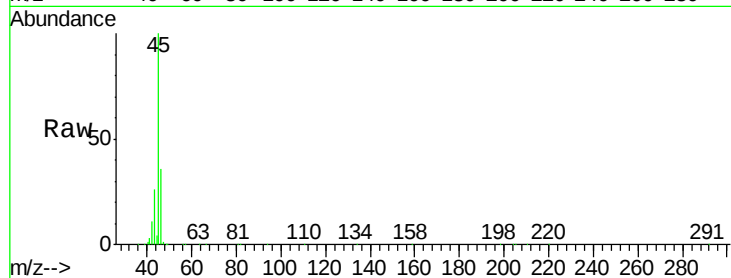
48-1

Tgt Ion: 45 Resp: 4725316

Ion Ratio Lower Upper

45 100

46 37.2 19.0 75.8



#15

Acetone

Concen: 7.469 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036152.D

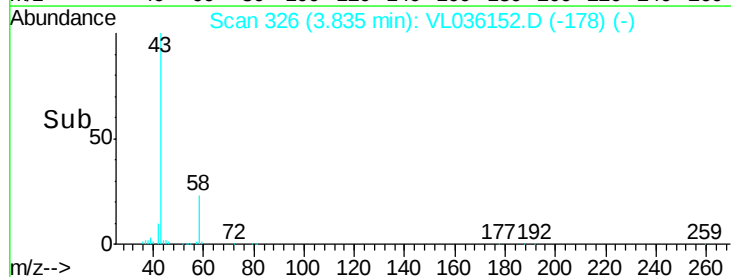
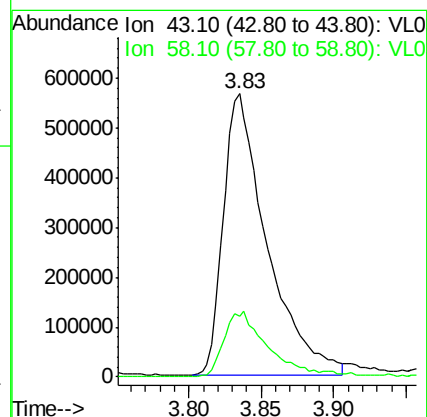
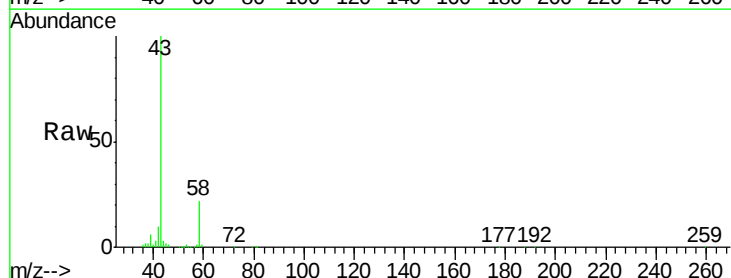
Acq: 11 Dec 2020 6:43

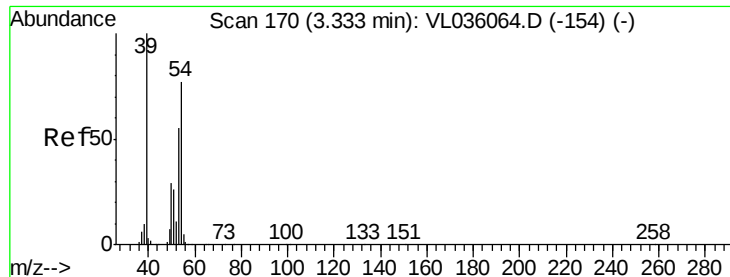
Tgt Ion: 43 Resp: 1180282

Ion Ratio Lower Upper

43 100

58 24.2 20.9 31.3





#16

1,3-Butadiene

Concen: 1.104 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_X

ClientSampleId :

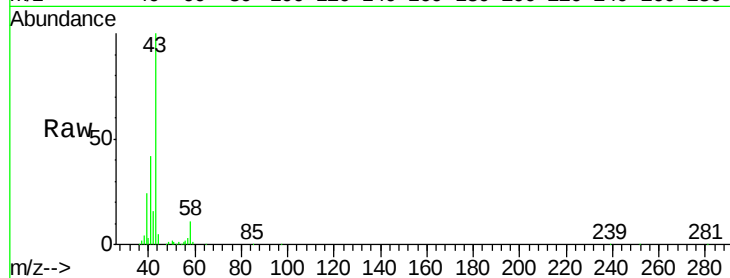
48-1

Tgt Ion: 39 Resp: 87878

Ion Ratio Lower Upper

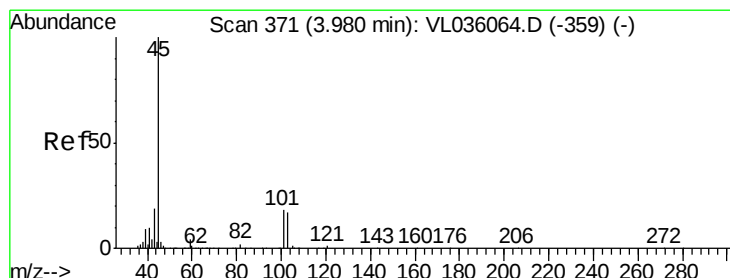
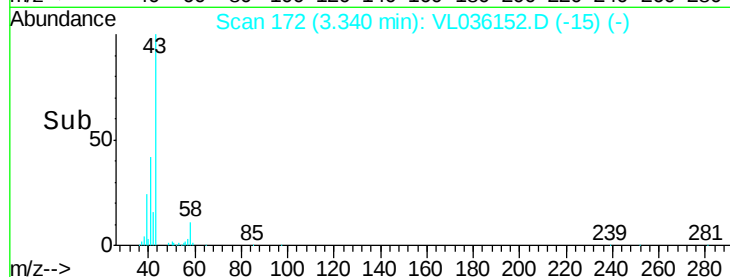
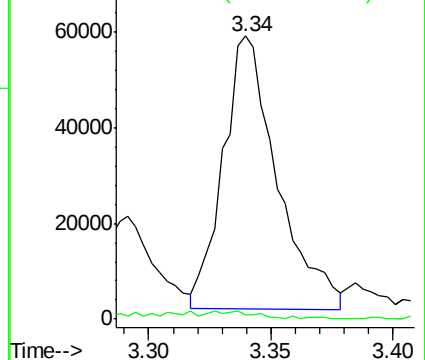
39 100

54 5.9 62.1 93.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



#19

Isopropyl Alcohol

Concen: 48.922 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.38 min

Lab File: VL036152.D

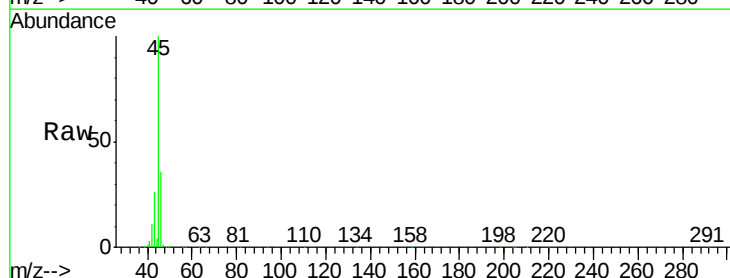
Acq: 11 Dec 2020 6:43

Tgt Ion: 45 Resp: 4725316

Ion Ratio Lower Upper

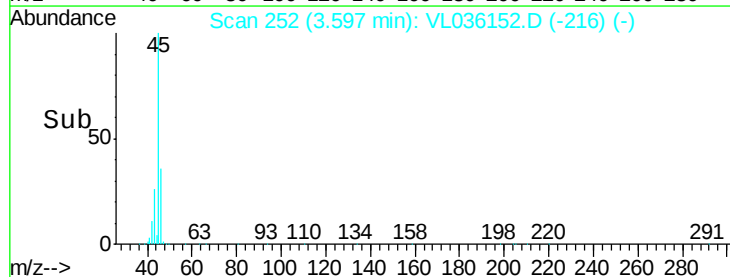
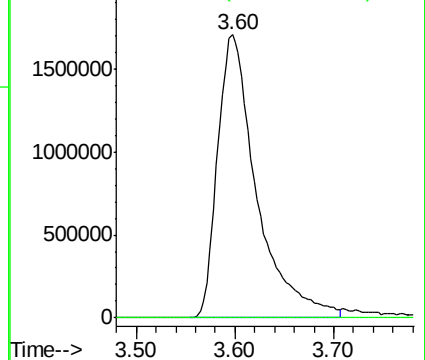
45 100

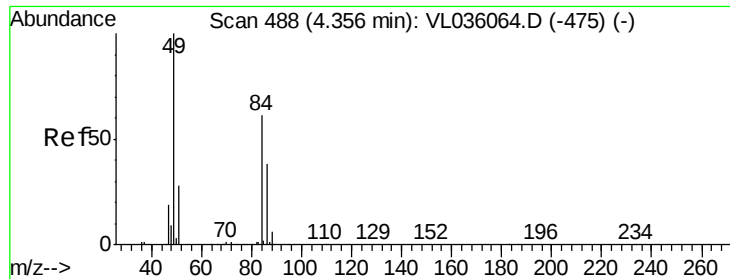
58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

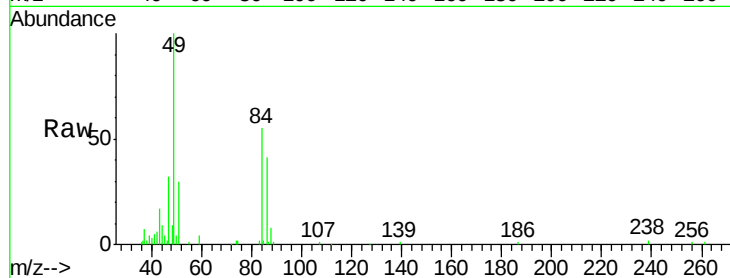




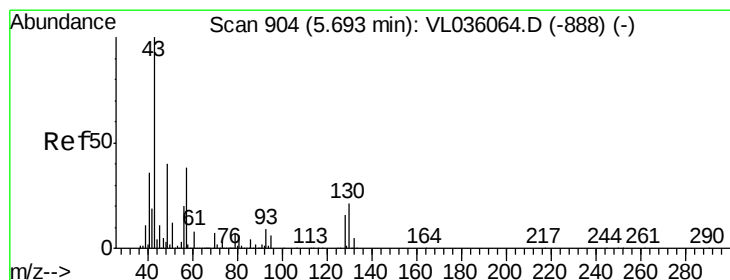
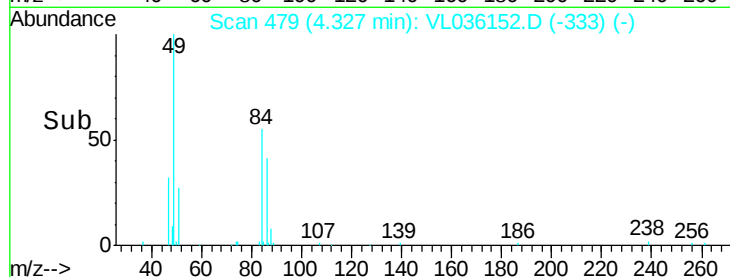
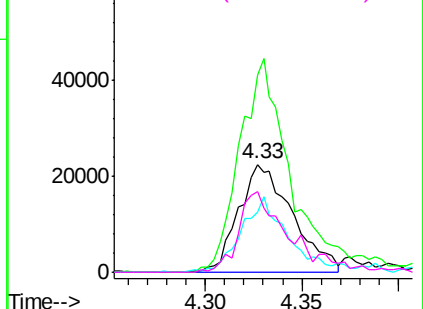
#20
Methylene Chloride
Concen: 0.671 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 84 Resp: 43425
Ion Ratio Lower Upper
84 100
49 182.8 133.0 199.4
51 54.4 38.9 58.3
86 74.6 48.8 73.2#

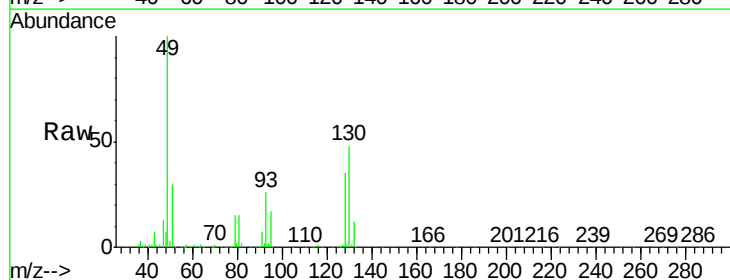


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

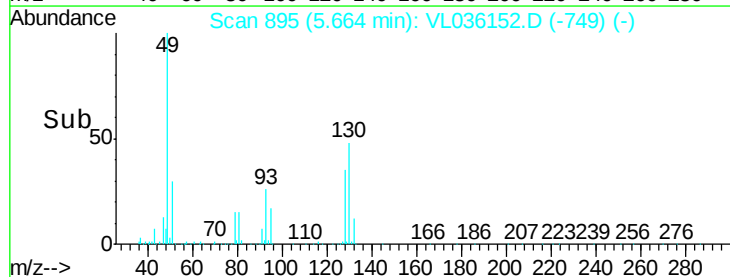
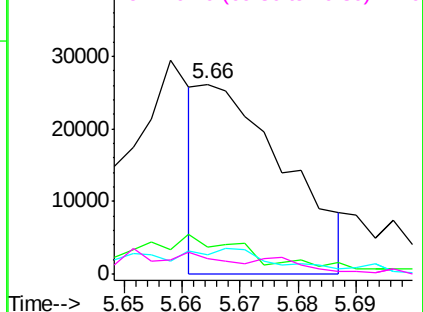


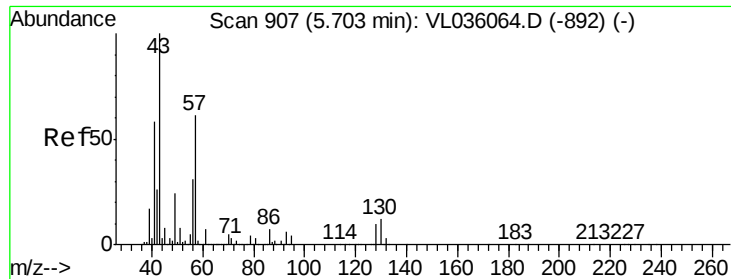
#25
Ethyl Acetate
Concen: 0.084 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 43 Resp: 26613
Ion Ratio Lower Upper
43 100
45 34.3 8.2 12.4#
61 26.5 7.4 11.2#
70 0.0 5.4 8.0#



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

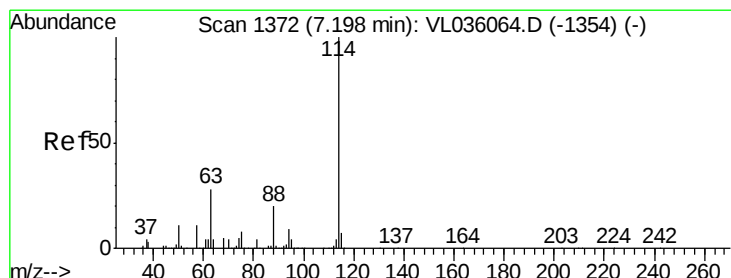
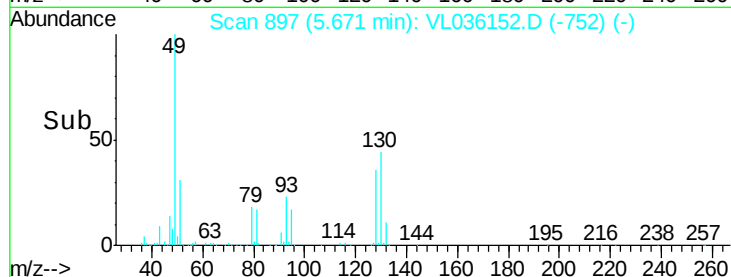
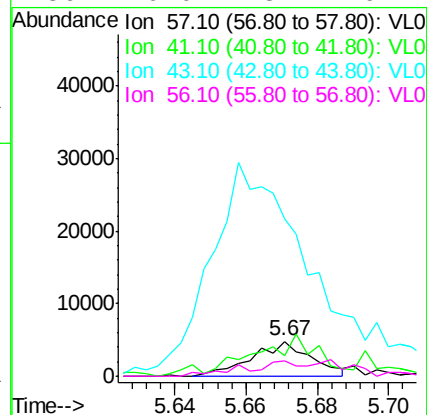
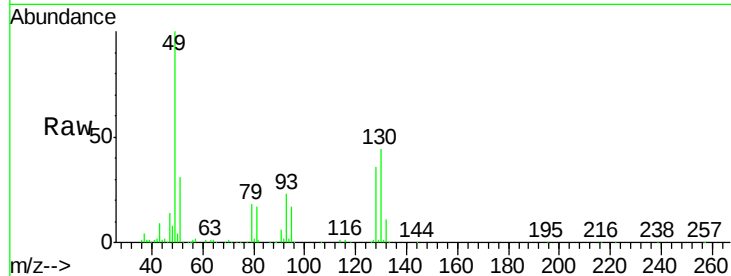




#26
Hexane
Concen: 0.039 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

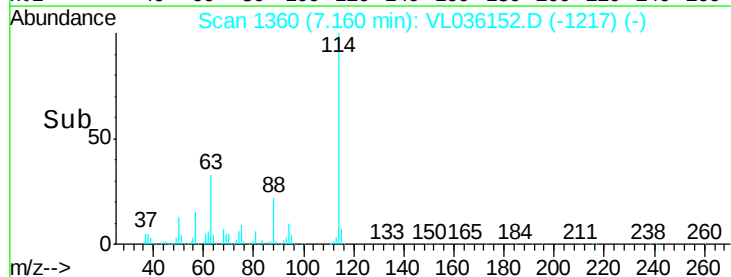
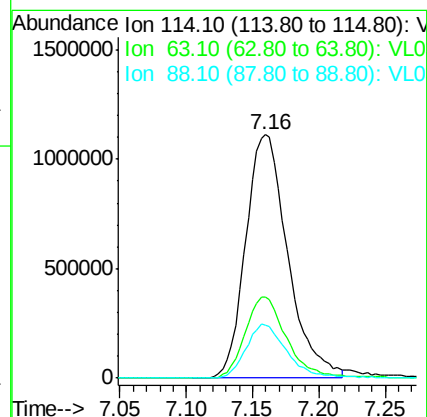
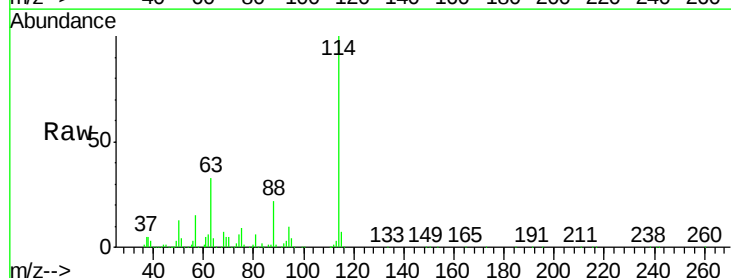
Instrument :
MSVOA_X
ClientSampled :
48-1

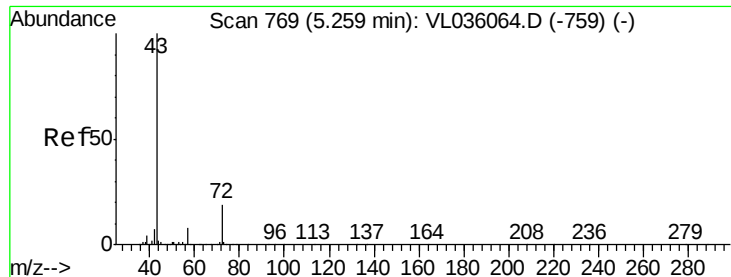
Tgt Ion: 57 Resp: 5543
Ion Ratio Lower Upper
57 100
41 187.6 82.9 124.3#
43 1119.6 199.9 299.9#
56 0.0 43.1 64.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 114 Resp: 2460575
Ion Ratio Lower Upper
114 100
63 33.4 23.6 35.4
88 21.9 15.8 23.6

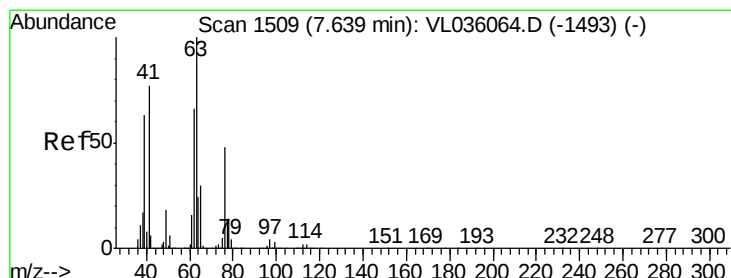
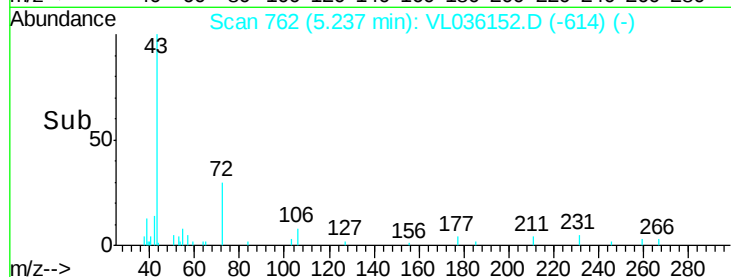
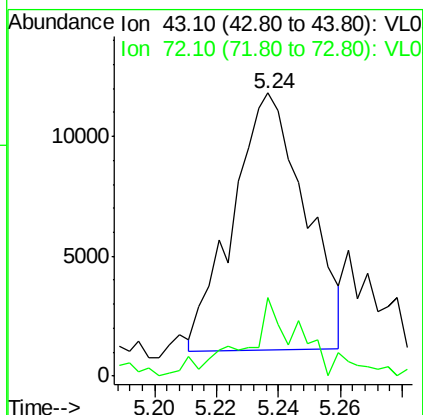
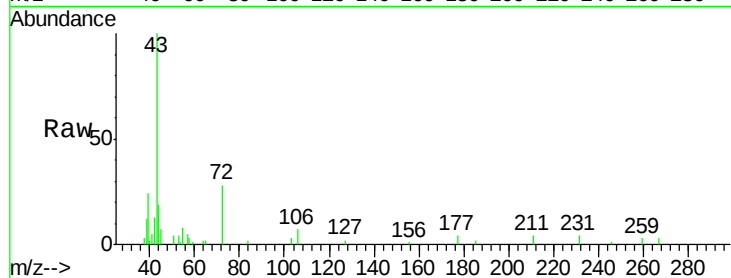




#34
2-Butanone
Concen: 0.107 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.02 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

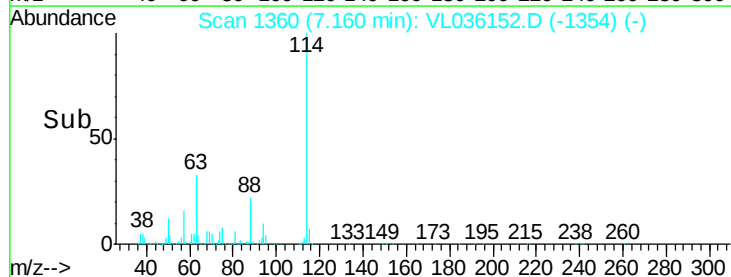
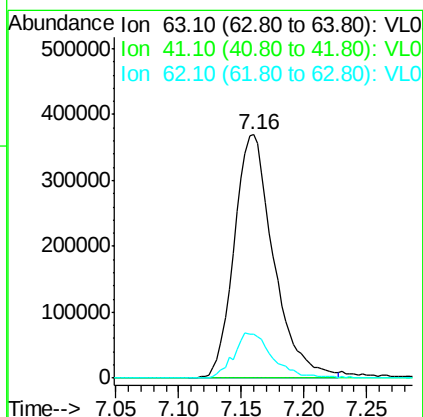
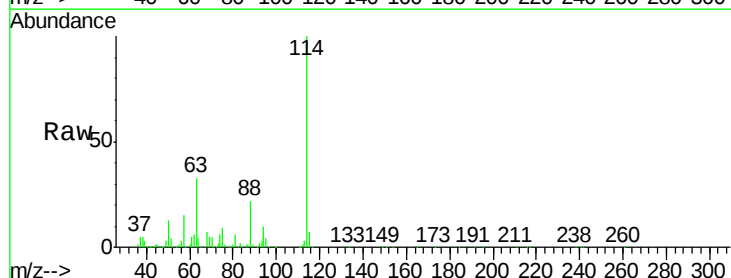
Instrument :
MSVOA_X
ClientSampled :
48-1

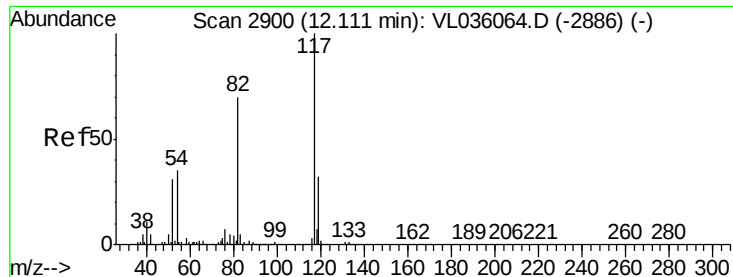
Tgt Ion: 43 Resp: 17491
Ion Ratio Lower Upper
43 100
72 25.0 16.5 24.7#



#39
1,2-Dichloropropane
Concen: 9.786 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.48 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 63 Resp: 805858
Ion Ratio Lower Upper
63 100
41 0.2 61.9 92.9#
62 17.9 52.5 78.7#

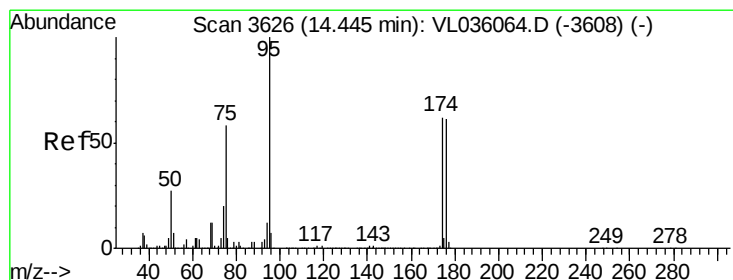
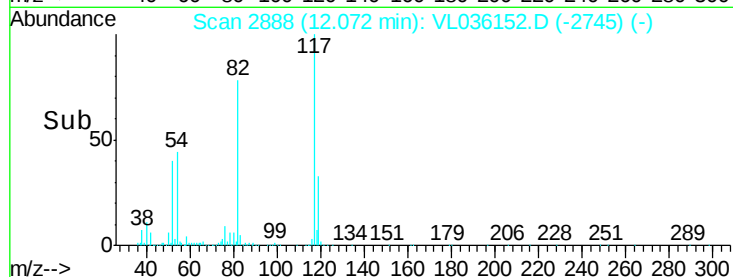
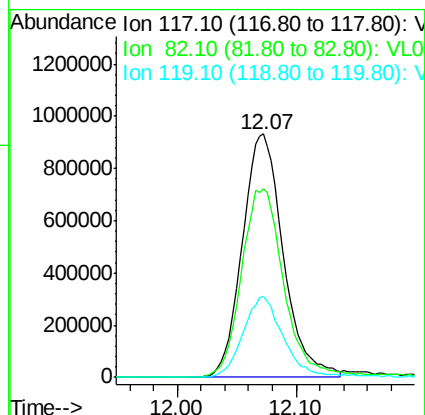
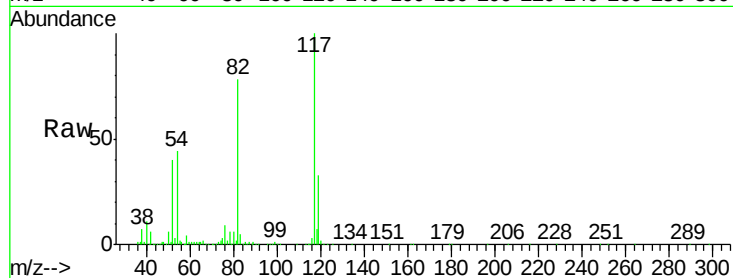




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Instrument :
MSVOA_X
ClientSampleId :
48-1

Tgt Ion: 117 Resp: 2216522
Ion Ratio Lower Upper
117 100
82 81.8 0.0 0.0#
119 33.5 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.558 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 95 Resp: 1858212
Ion Ratio Lower Upper
95 100
174 57.7 50.7 76.1
175 3.9 4.0 6.0#

