

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036156.D
 Acq On : 11 Dec 2020 9:17
 Operator : SY/AP
 Sample : L4930-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-SG-2

Manual Integrations
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 12/15/2020 4:52:10 PM

Quant Time: Dec 14 21:59:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 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	1302739	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2515473	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2222882	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1981287	11.23	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	43024	0.283	ppbv	94
3) Chlorodifluoromethane	2.97	51	58049	0.391	ppbv	97
4) Chloromethane	3.12	50	43314m	0.594	ppbv	
9) Propene	3.00	41	74216	0.997	ppbv	85
11) Trichlorofluoromethane	3.93	101	41563m	0.233	ppbv	
13) Ethanol	3.59	45	310043m	30.205	ppbv	
15) Acetone	3.84	43	610212	3.897	ppbv	94
19) Isopropyl Alcohol	3.97	45	51985m	0.543	ppbv	
20) Methylene Chloride	4.33	84	102734m	1.601	ppbv	
26) Hexane	5.67	57	108446m	0.770	ppbv	
34) 2-Butanone	5.24	43	84879m	0.509	ppbv	
36) Benzene	6.87	78	59852m	0.281	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	89755m	0.232	ppbv	
53) Toluene	9.79	91	552493	2.308	ppbv	98
58) Ethyl Benzene	12.70	91	56562m	0.186	ppbv	
59) m/p-Xylene	12.95	91	183343m	0.715	ppbv	
60) o-Xylene	13.68	91	60596m	0.251	ppbv	

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

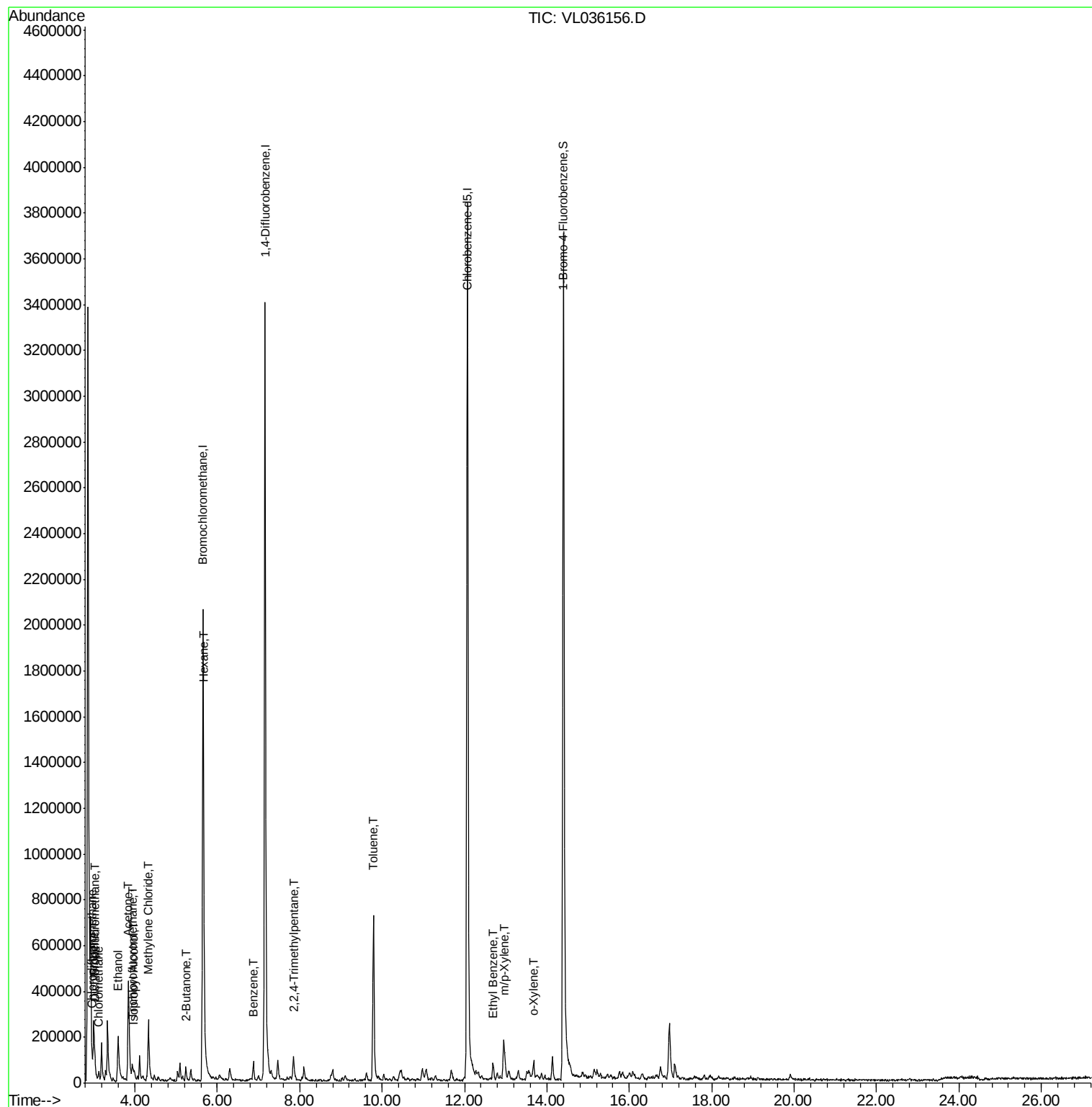
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
Data File : VL036156.D
Acq On : 11 Dec 2020 9:17
Operator : SY/AP
Sample : L4930-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

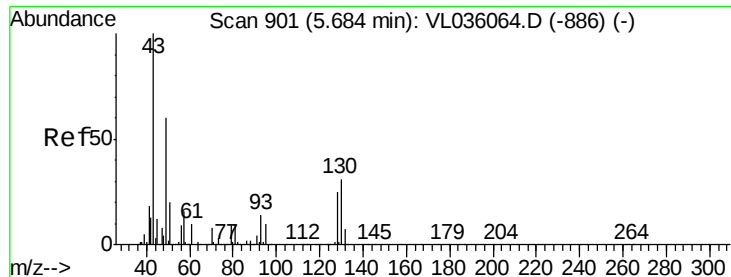
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Manual Integrations
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Quant Time: Dec 14 21:59:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.04 min

Lab File: VL036156.D

Acq: 11 Dec 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-2

Tot Ion: 49 Resp: 1302739

Ion Ratio Lower Upper

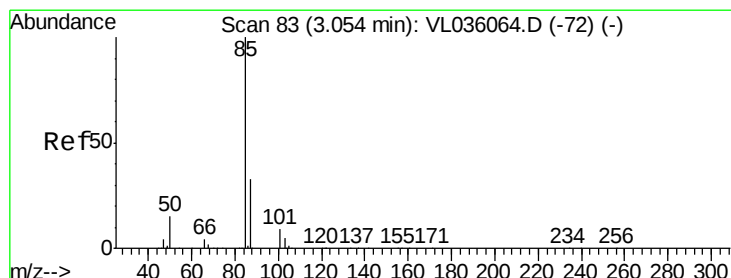
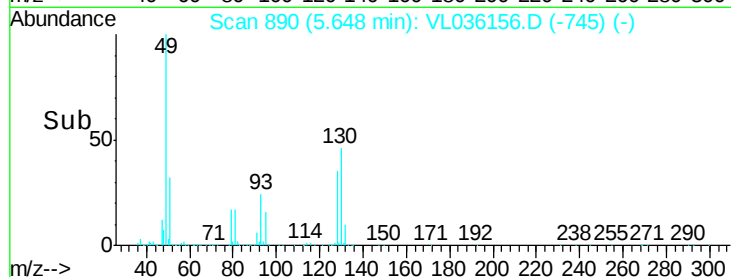
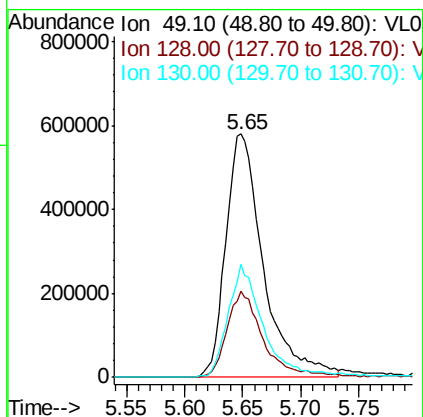
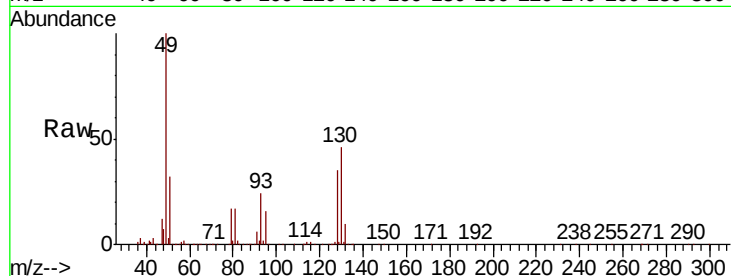
49 100

128 34.1 21.1 63.1

130 44.8 27.1 81.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.283 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.03 min

Lab File: VL036156.D

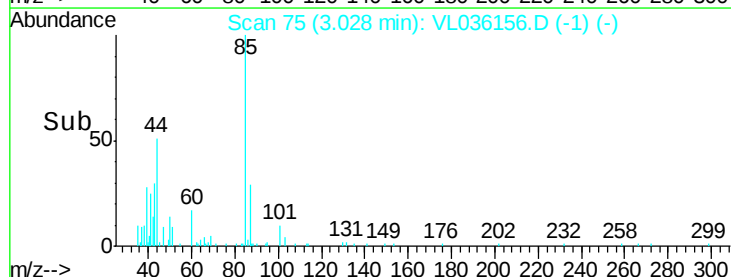
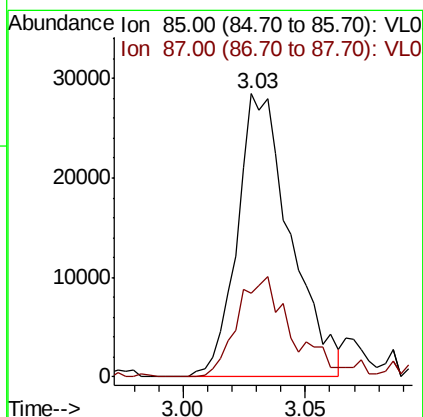
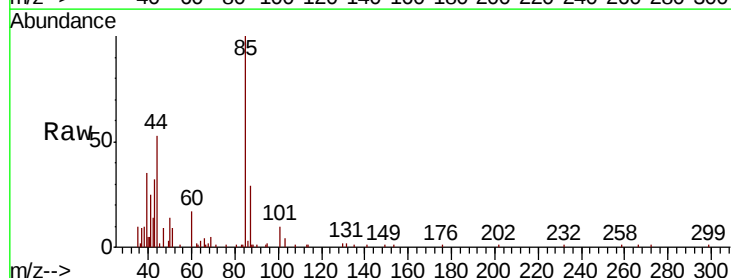
Acq: 11 Dec 2020 9:17

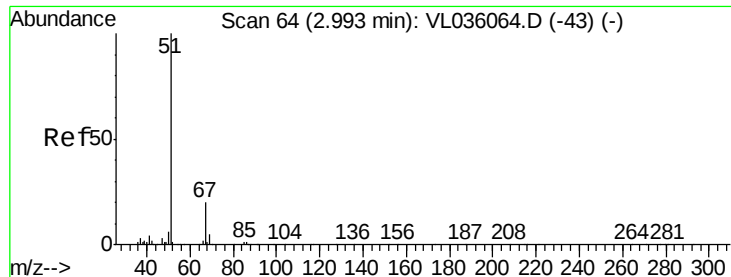
Tgt Ion: 85 Resp: 43024

Ion Ratio Lower Upper

85 100

87 29.4 26.5 39.7





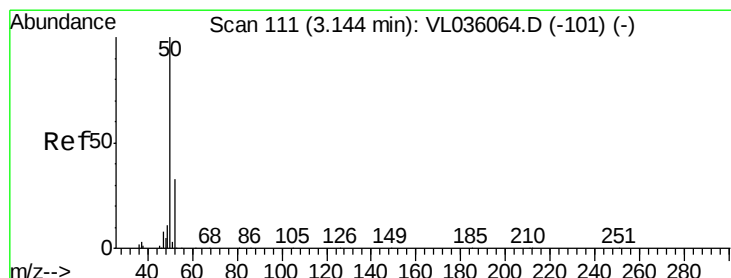
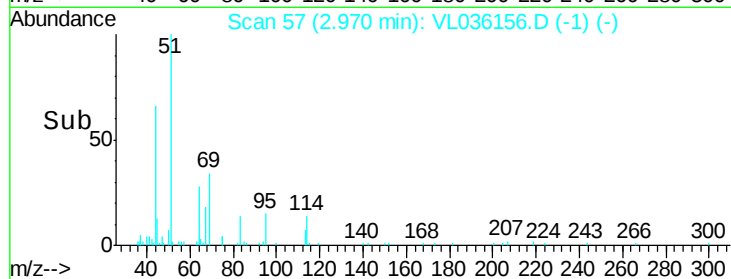
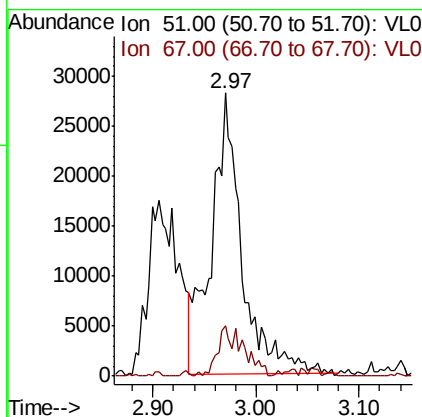
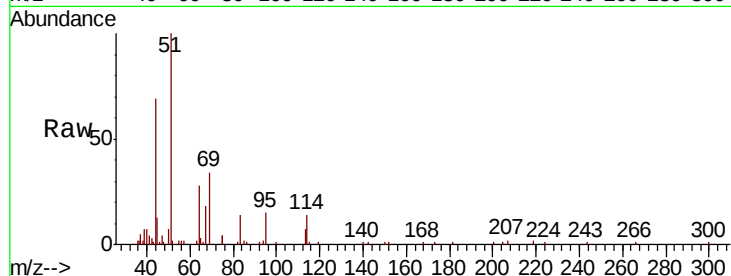
#3
Chlorodifluoromethane
Concen: 0.391 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Tot Ion	Ratio	Lower	Upper
51	100		
67	16.5	14.3	21.5

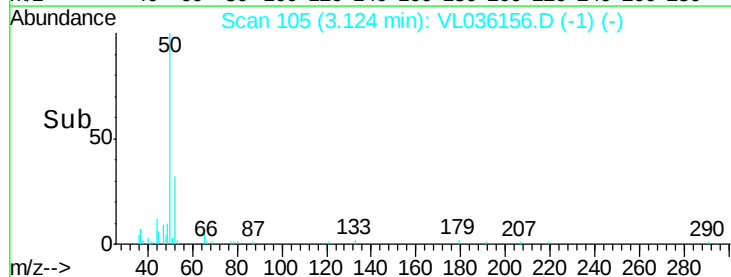
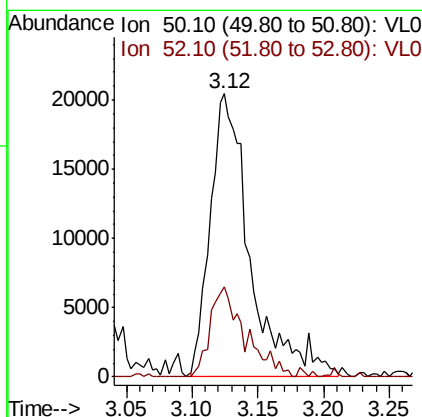
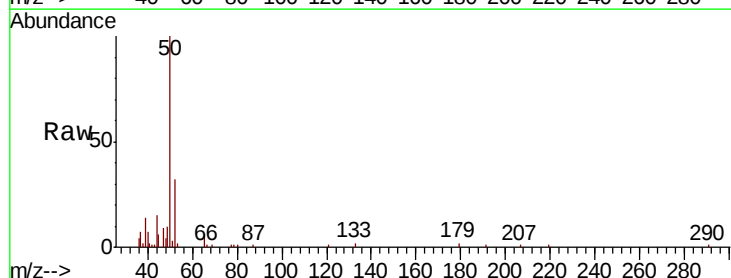
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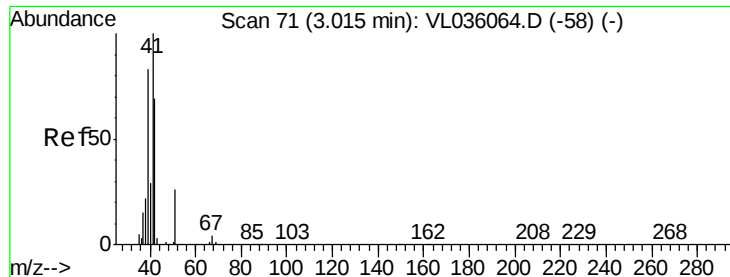
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#4
Chloromethane
Concen: 0.594 ppbv m
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1





#9

Propene

Concen: 0.997 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036156.D

Acq: 11 Dec 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-2

Tot Ion: 41 Resp: 74216

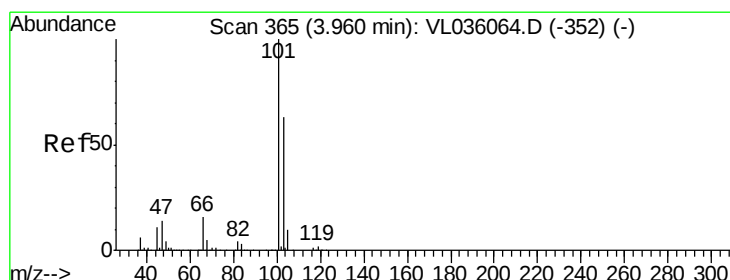
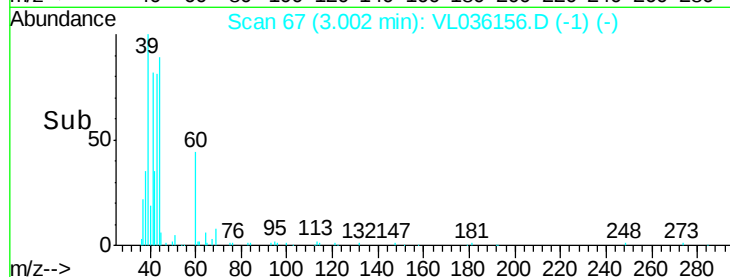
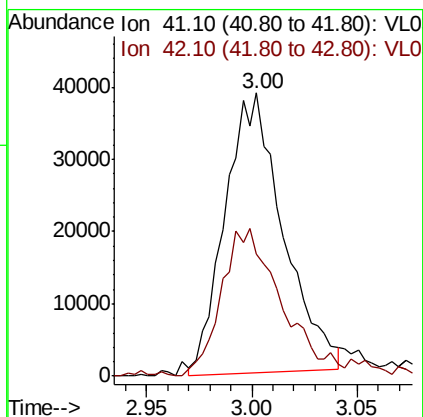
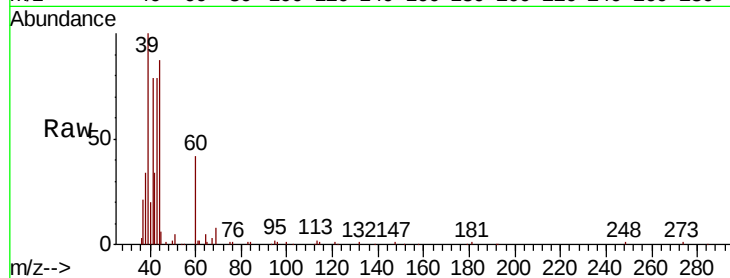
Ion Ratio Lower Upper

41 100

42 58.8 57.0 85.6

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#11

Trichlorofluoromethane

Concen: 0.233 ppbv m

RT: 3.93 min Scan# 356

Delta R.T. -0.03 min

Lab File: VL036156.D

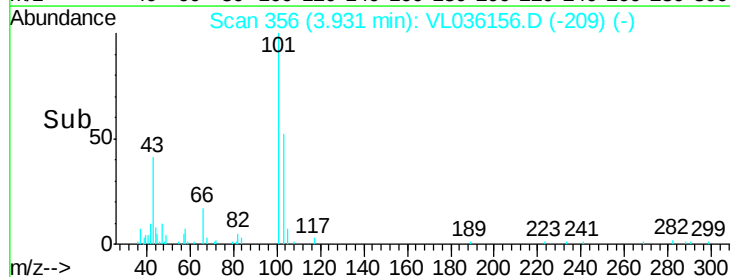
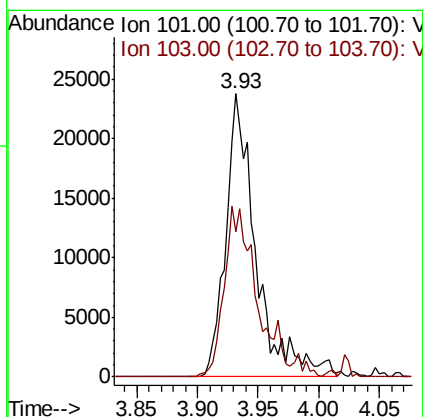
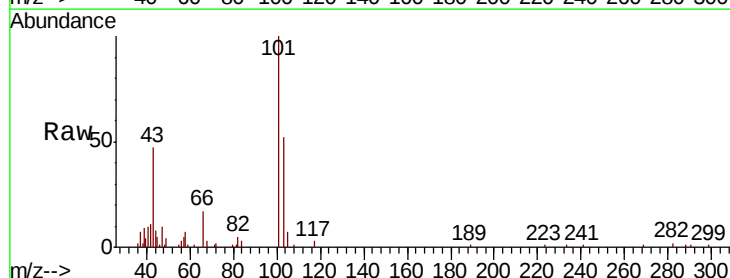
Acq: 11 Dec 2020 9:17

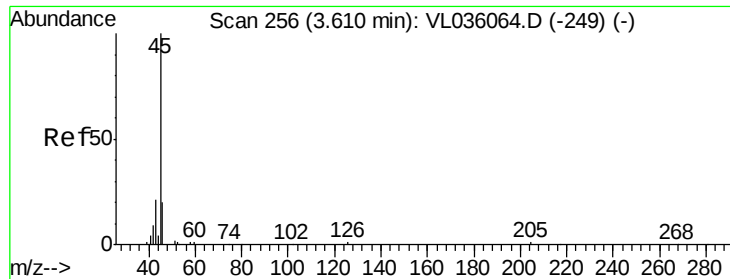
Tgt Ion: 101 Resp: 41563

Ion Ratio Lower Upper

101 100

103 51.5 50.3 75.5





#13

Ethanol

Concen: 30.205 ppbv m

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL036156.D

Acq: 11 Dec 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-2

Tot Ion: 45 Resp: 310043

Ion Ratio Lower Upper

45 100

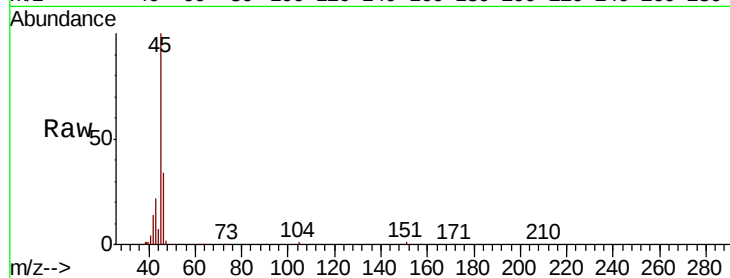
46 35.9 19.0 75.8

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

120000

100000

80000

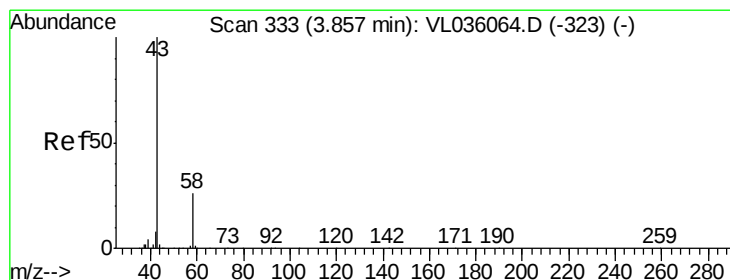
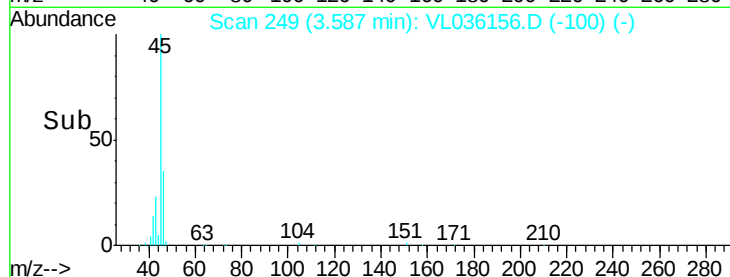
60000

40000

20000

0

Time-->



#15

Acetone

Concen: 3.897 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036156.D

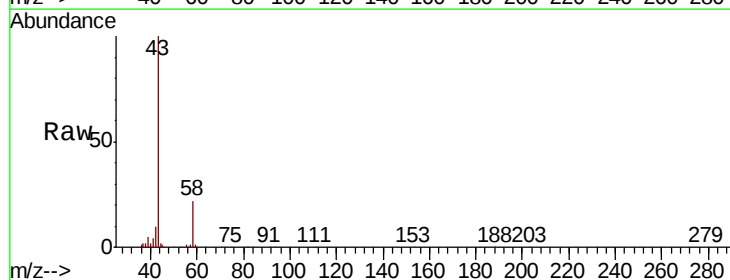
Acq: 11 Dec 2020 9:17

Tgt Ion: 43 Resp: 610212

Ion Ratio Lower Upper

43 100

58 23.1 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

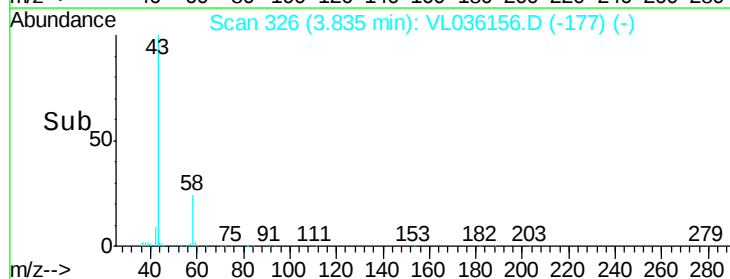
300000

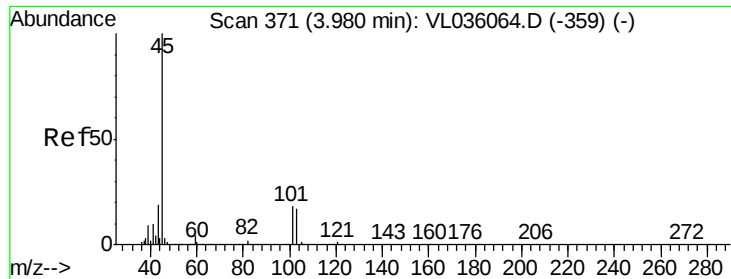
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 0.543 ppbv m

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL036156.D

Acq: 11 Dec 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-2

Tot Ion: 45 Resp: 51985

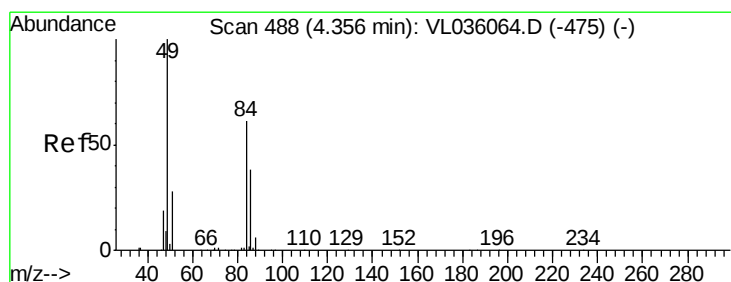
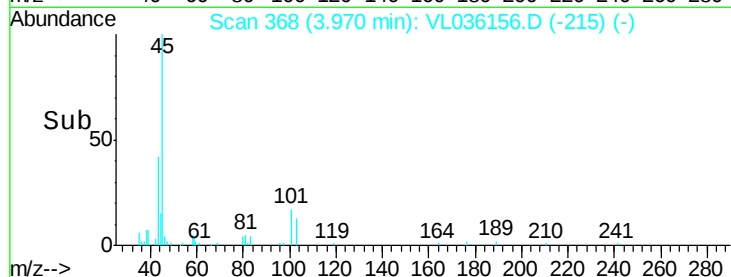
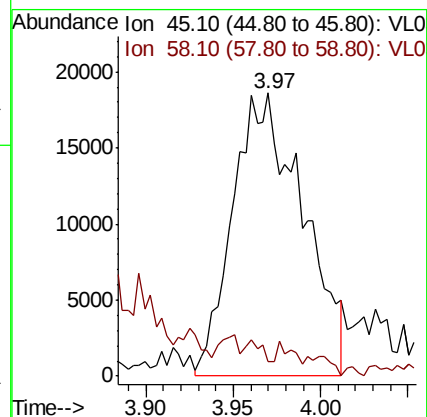
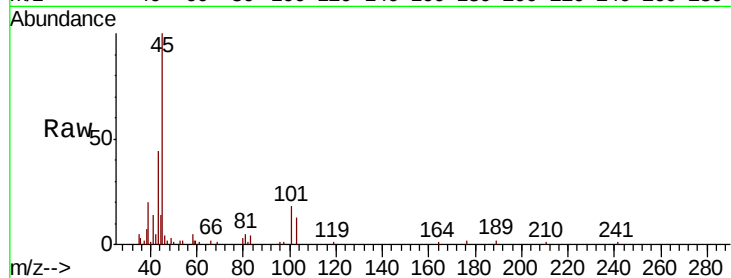
Ion Ratio Lower Upper

45 100

58 11.6 0.0 0.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 1.601 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL036156.D

Acq: 11 Dec 2020 9:17

Tgt Ion: 84 Resp: 102734

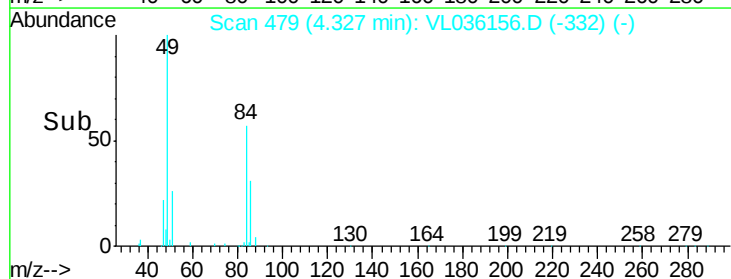
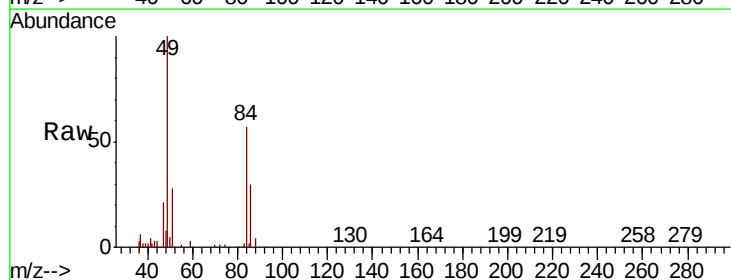
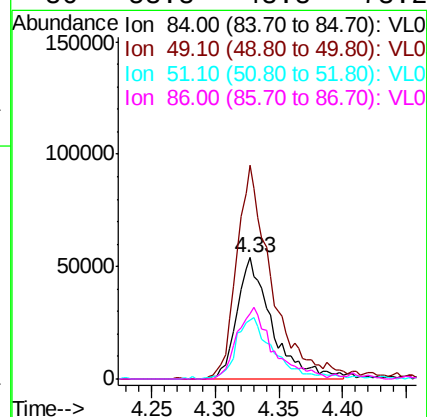
Ion Ratio Lower Upper

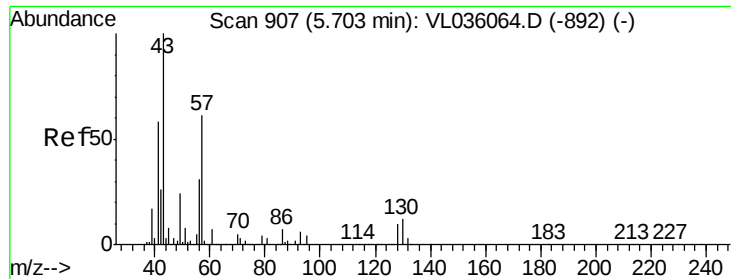
84 100

49 176.4 133.0 199.4

51 49.0 38.9 58.3

86 53.8 48.8 73.2





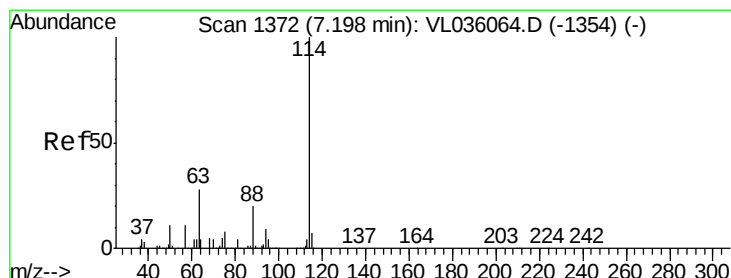
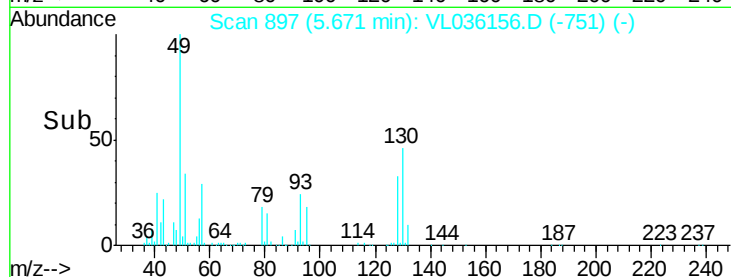
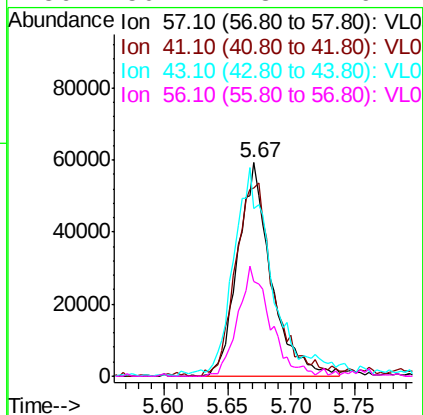
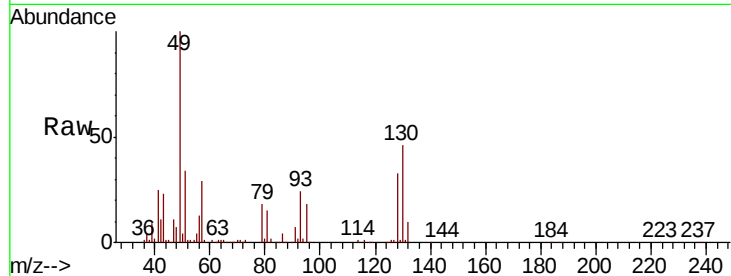
#26
Hexane
Concen: 0.770 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	107.2	82.9	124.3
43	116.1	199.9	299.9#
56	50.7	43.1	64.7

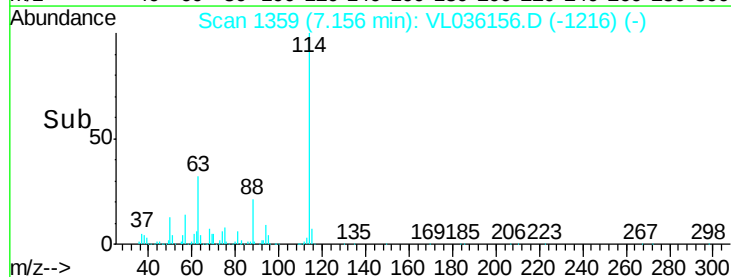
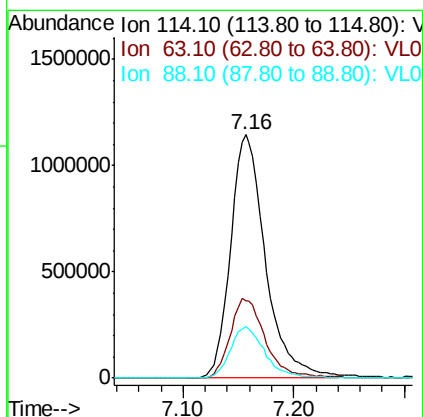
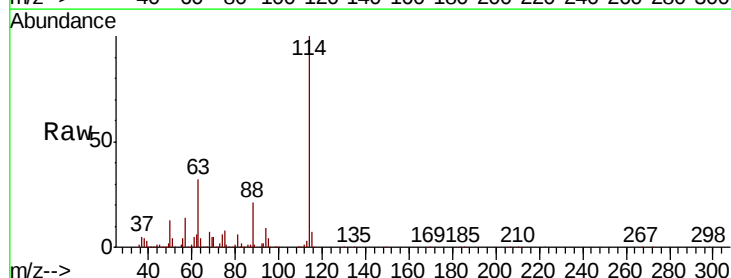
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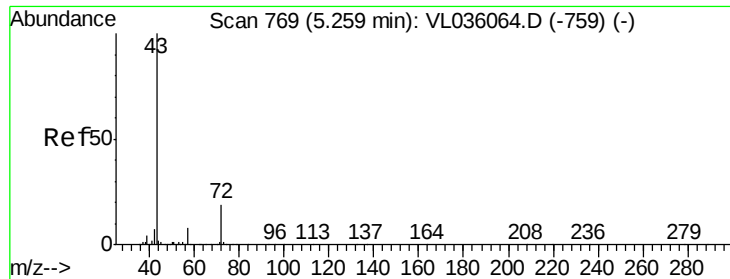
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.3	23.6	35.4
88	21.2	15.8	23.6





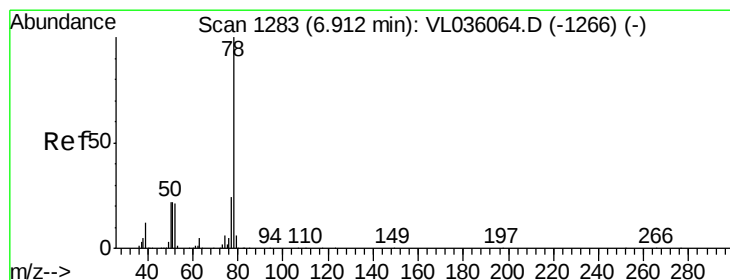
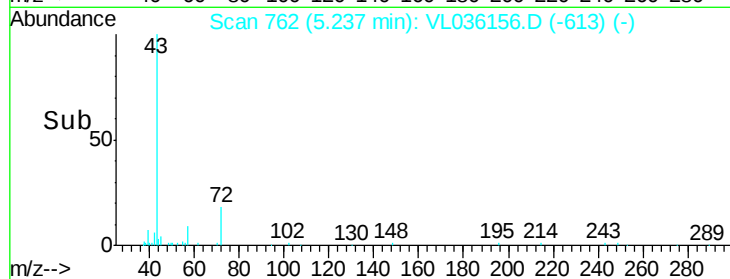
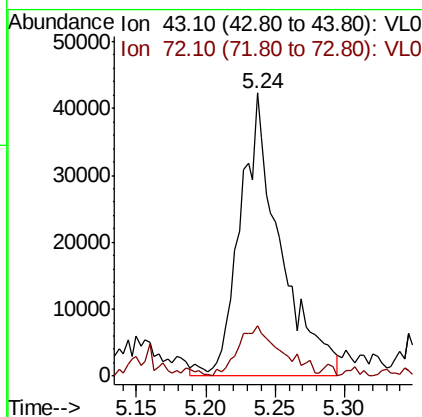
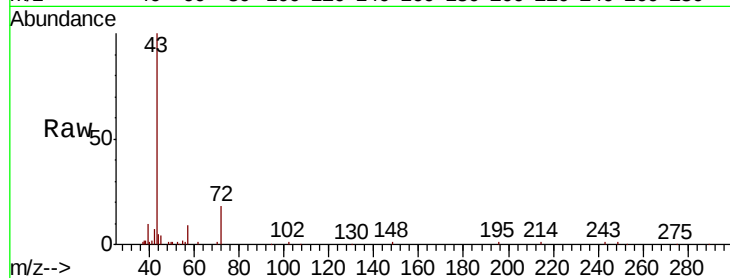
#34
2-Butanone
Concen: 0.509 ppbv m
RT: 5.24 min Scan# 762
Delta R.T. -0.02 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Tot Ion: 43 Resp: 84879
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#

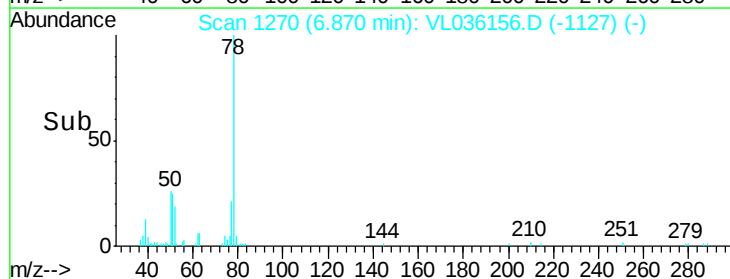
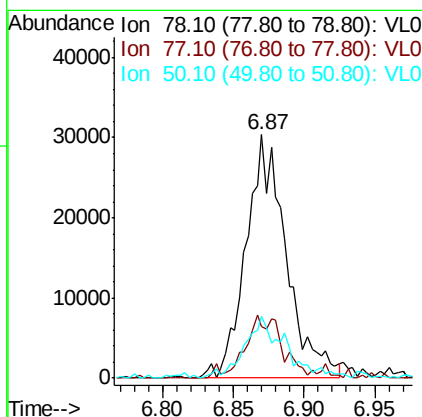
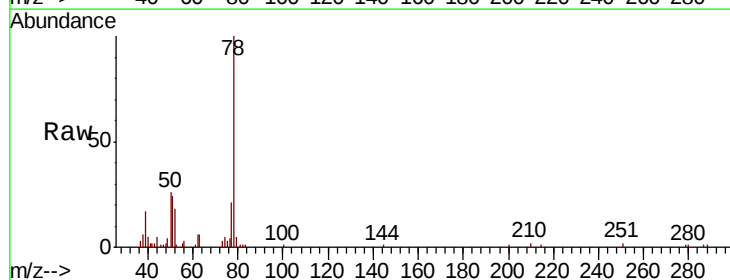
Manual Integrations
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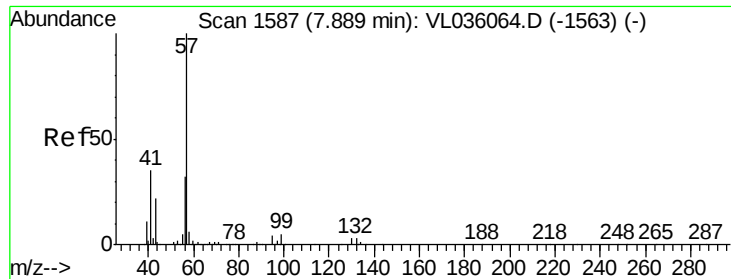
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#36
Benzene
Concen: 0.281 ppbv m
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Tgt Ion: 78 Resp: 59852
Ion Ratio Lower Upper
78 100
77 21.2 19.4 29.2
50 25.5 17.8 26.8





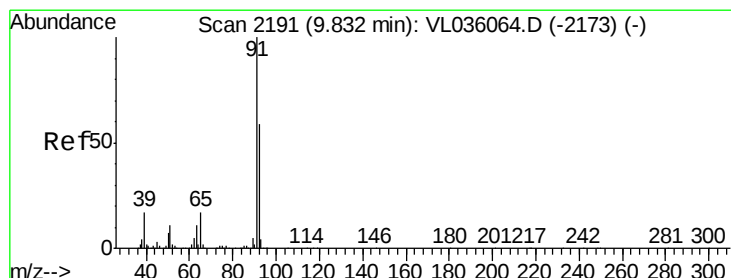
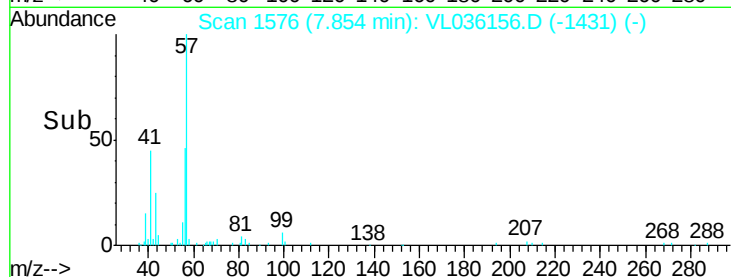
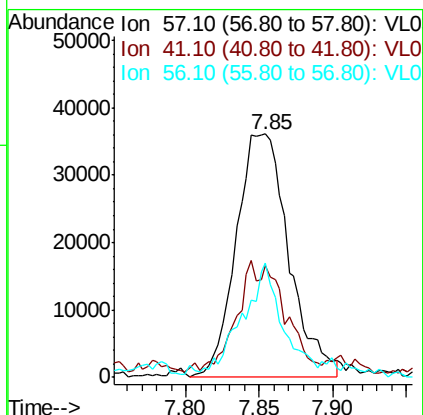
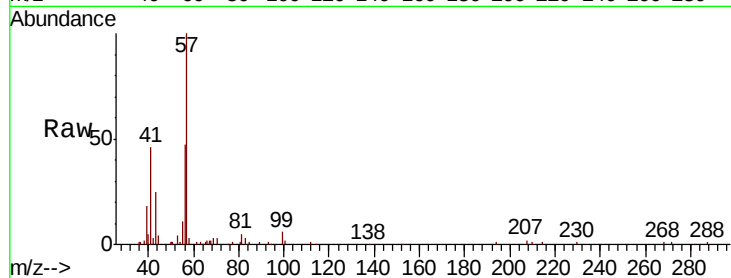
#44
 2,2,4-Trimethylpentane
 Concen: 0.232 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.04 min
 Lab File: VL036156.D
 Acq: 11 Dec 2020 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-SG-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	44.8	28.9	43.3#
56	0.0	25.3	37.9#

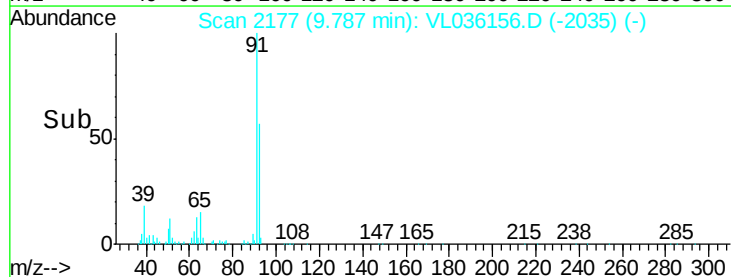
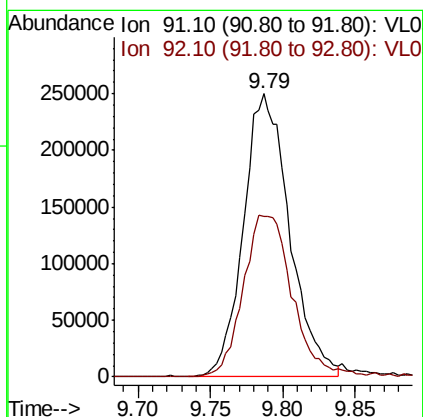
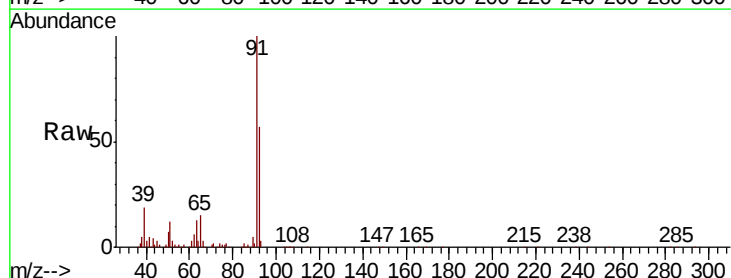
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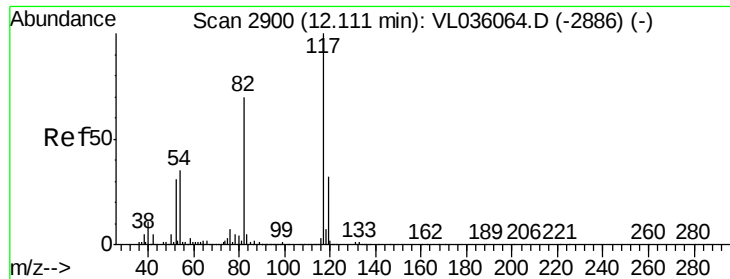
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#53
 Toluene
 Concen: 2.308 ppbv
 RT: 9.79 min Scan# 2177
 Delta R.T. -0.04 min
 Lab File: VL036156.D
 Acq: 11 Dec 2020 9:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.9	48.2	72.2





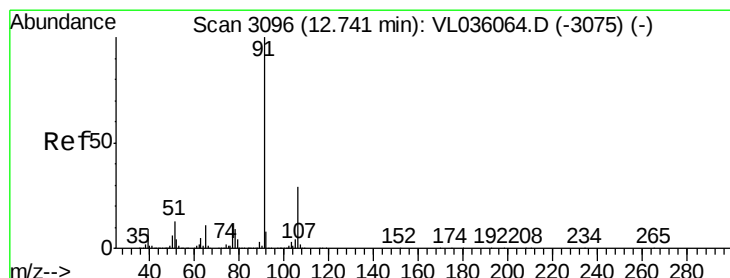
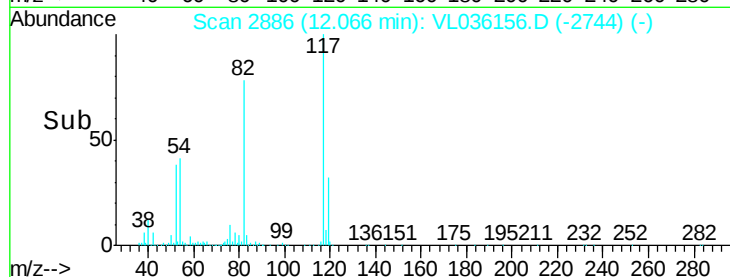
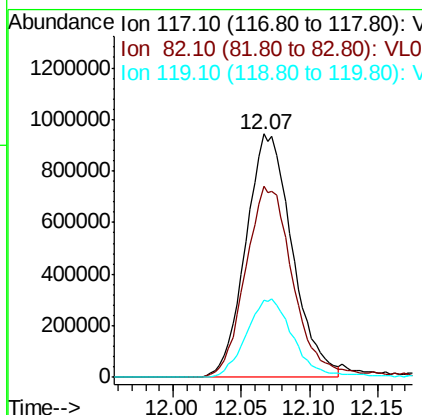
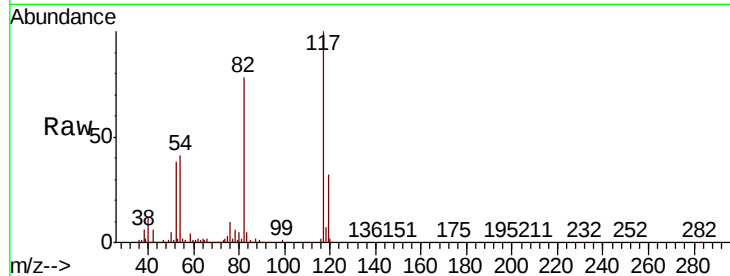
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.04 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Tot Ion:117 Resp: 2222882
Ion Ratio Lower Upper
117 100
82 82.5 0.0 0.0#
119 33.1 0.0 0.0#

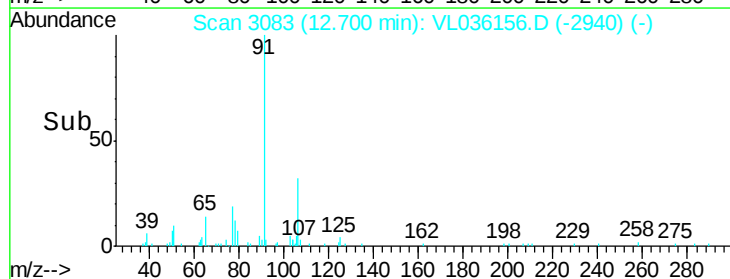
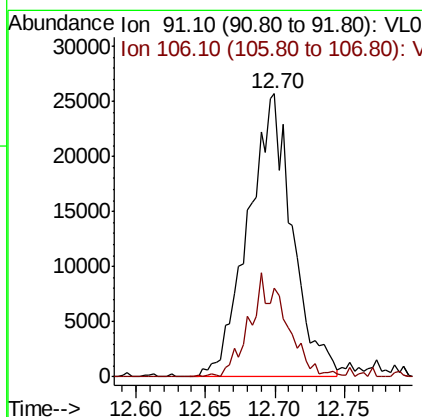
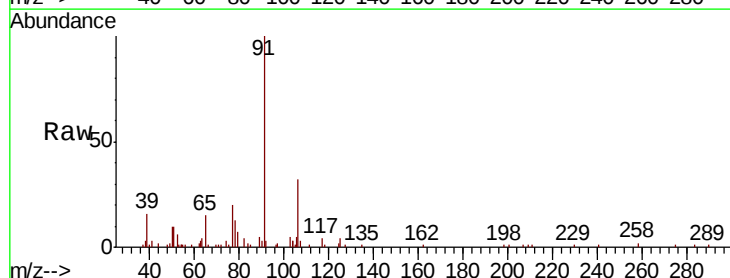
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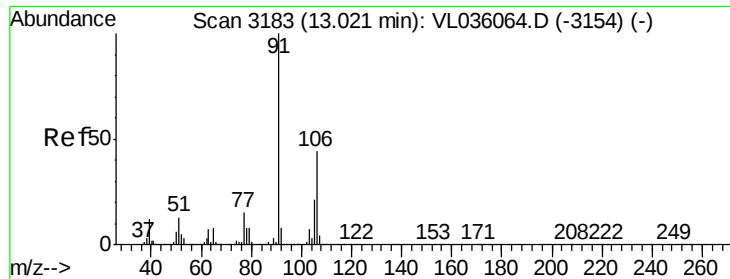
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#58
Ethyl Benzene
Concen: 0.186 ppbv m
RT: 12.70 min Scan# 3083
Delta R.T. -0.04 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Tgt Ion: 91 Resp: 56562
Ion Ratio Lower Upper
91 100
106 31.5 23.0 34.4





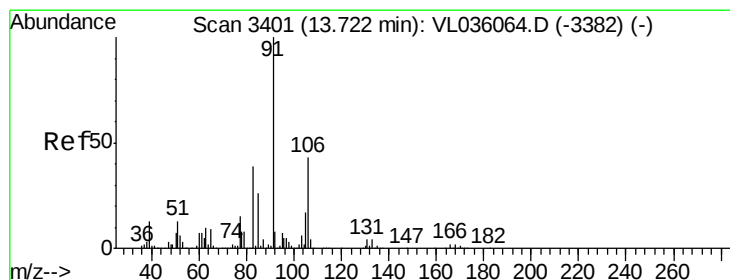
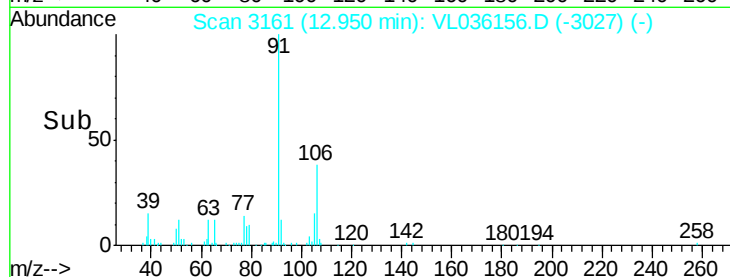
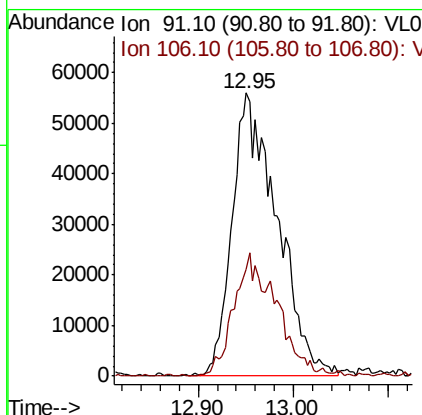
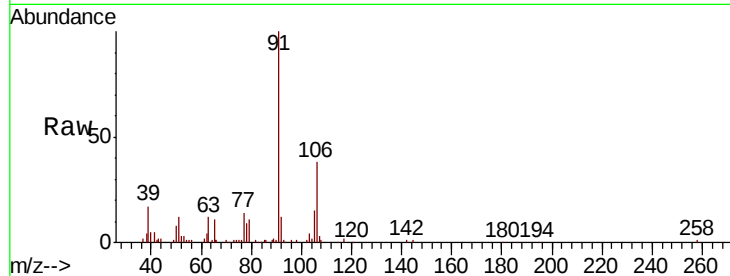
#59
m/p-Xylene
Concen: 0.715 ppbv m
RT: 12.95 min Scan# 3161
Delta R.T. -0.07 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Tot Ion: 91 Resp: 183343
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

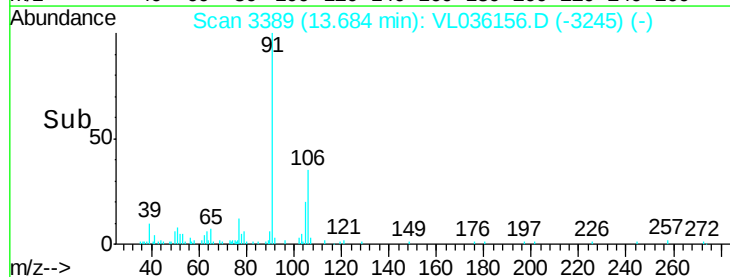
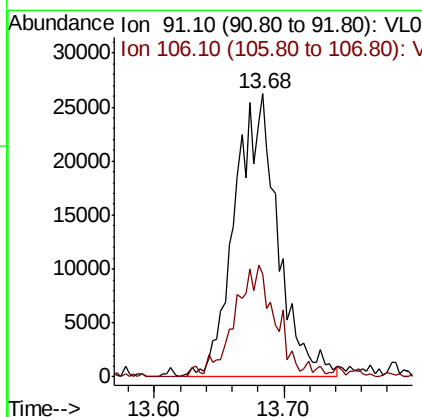
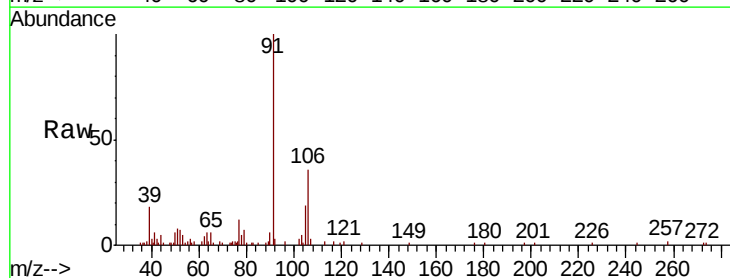
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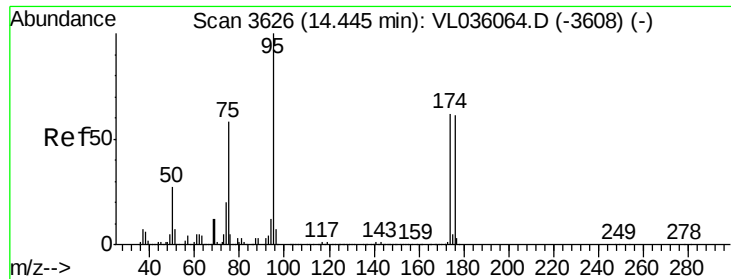
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#60
o-Xylene
Concen: 0.251 ppbv m
RT: 13.68 min Scan# 3389
Delta R.T. -0.04 min
Lab File: VL036156.D
Acq: 11 Dec 2020 9:17

Tgt Ion: 91 Resp: 60596
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.225 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.04 min
 Lab File: VL036156.D
 Acq: 11 Dec 2020 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-SG-2

Tot Ion: 95 Resp: 1981287
 Ion Ratio Lower Upper
 95 100
 174 55.1 50.7 76.1
 175 3.8 4.0 6.0#

Manual Integrations
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