

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036979.D
 Acq On : 18 May 2021 21:37
 Operator : SY/AP
 Sample : M2430-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:06 PM

Quant Time: May 20 16:20:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1323548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3831489	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3493495	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2601699	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	156375	0.645	ppbv #	90
9) Propene	3.00	41	26464	0.305	ppbv	85
13) Ethanol	3.61	45	125621m	10.844	ppbv	
15) Acetone	3.83	43	2514987	18.552	ppbv	96
19) Isopropyl Alcohol	3.98	45	90670m	1.244	ppbv	
20) Methylene Chloride	4.33	84	108103	1.488	ppbv	98
26) Hexane	5.67	57	80931m	0.486	ppbv	
29) Chloroform	5.74	83	46781	0.199	ppbv	84
34) 2-Butanone	5.24	43	94999m	0.681	ppbv	
38) Trichloroethene	7.81	130	74192m	0.526	ppbv	
52) Tetrachloroethene	11.20	164	2007844	15.299	ppbv	96
53) Toluene	9.79	91	57353m	0.146	ppbv	
59) m/p-Xylene	12.95	91	77582m	0.190	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	61721	0.138	ppbv #	70

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

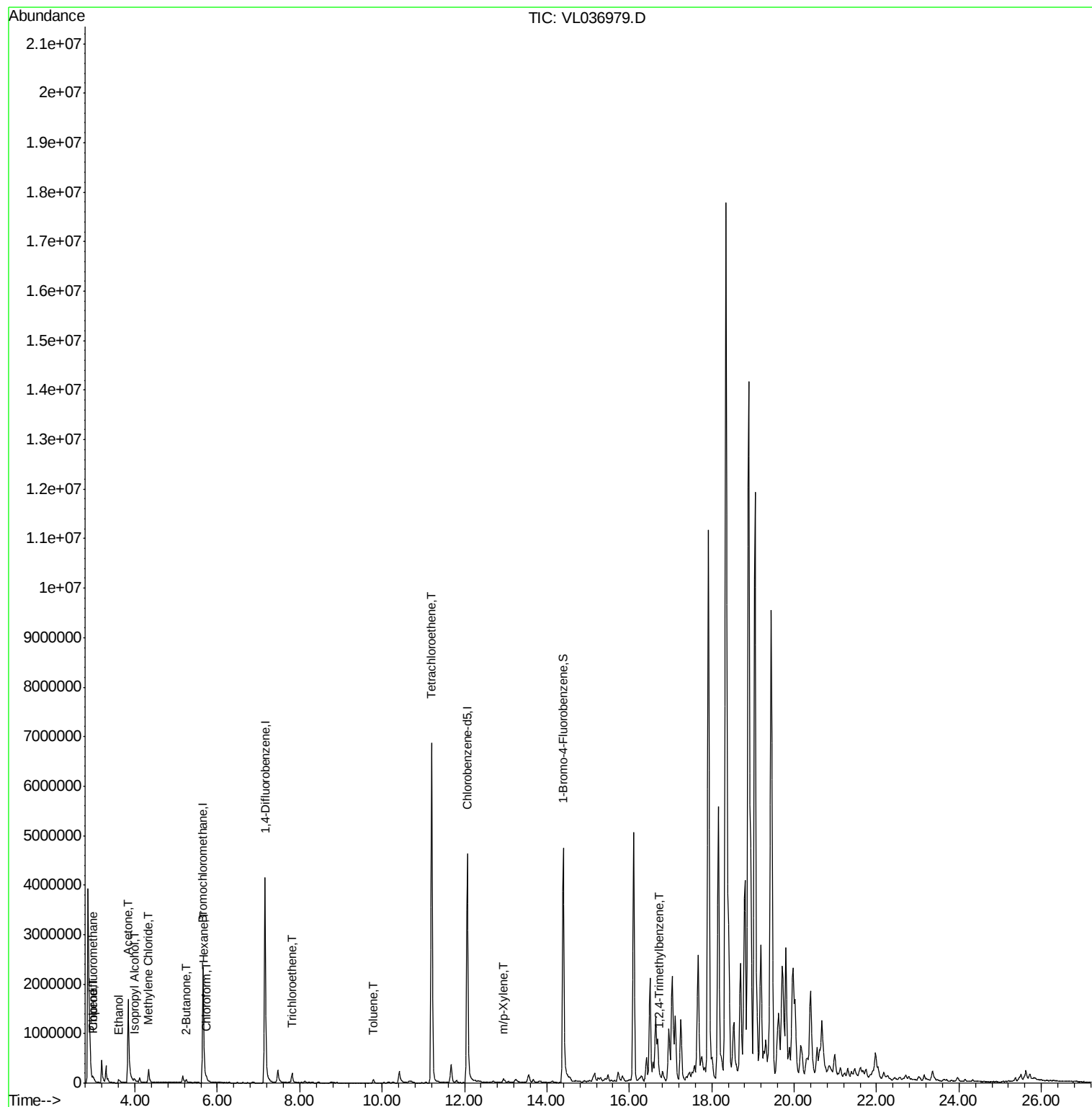
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051821\
Data File : VL036979.D
Acq On : 18 May 2021 21:37
Operator : SY/AP
Sample : M2430-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

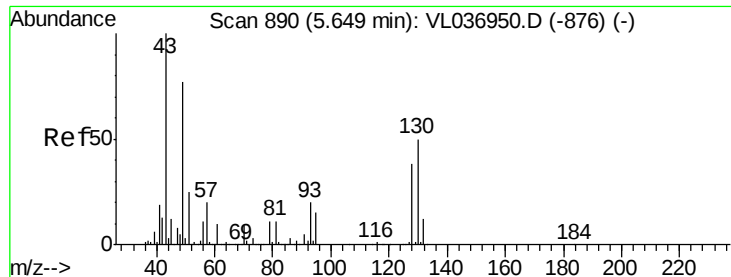
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
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Quant Time: May 20 16:20:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036979.D

Acq: 18 May 2021 21:37

Instrument :

MSVOA_L

ClientSampled :

SV1DL

Tot Ion: 49 Resp: 1323548

Ion Ratio Lower Upper

49 100

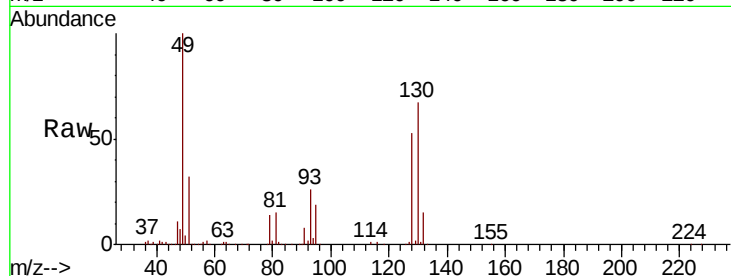
128 53.8 26.9 80.7

130 69.3 33.8 101.4

Manual Integrations
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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

5.65

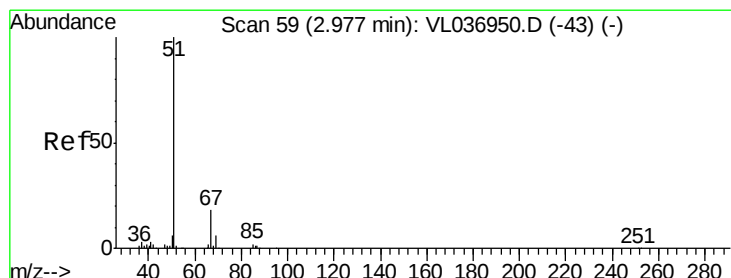
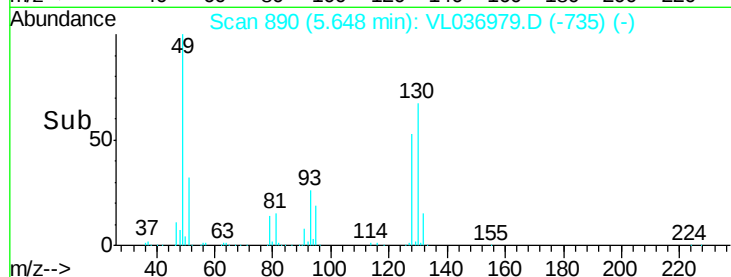
600000

400000

200000

0

Time-->



#3

Chlorodifluoromethane

Concen: 0.645 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL036979.D

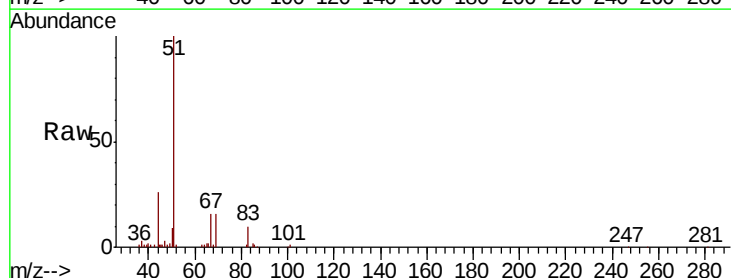
Acq: 18 May 2021 21:37

Tgt Ion: 51 Resp: 156375

Ion Ratio Lower Upper

51 100

67 13.8 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

100000

80000

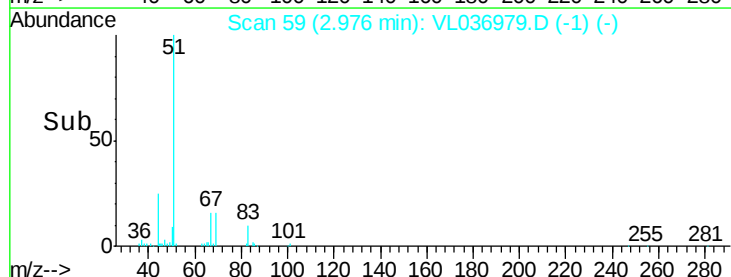
60000

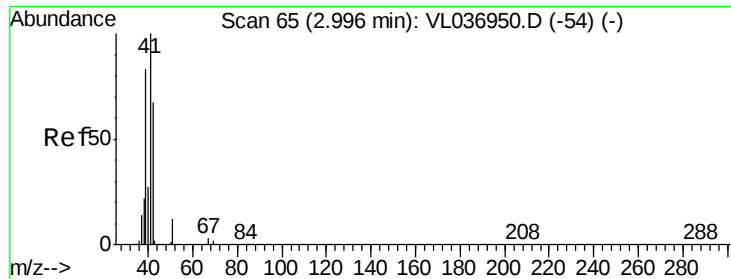
40000

20000

0

Time-->





#9

Propene

Concen: 0.305 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL036979.D

Acq: 18 May 2021 21:37

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 41 Resp: 26464

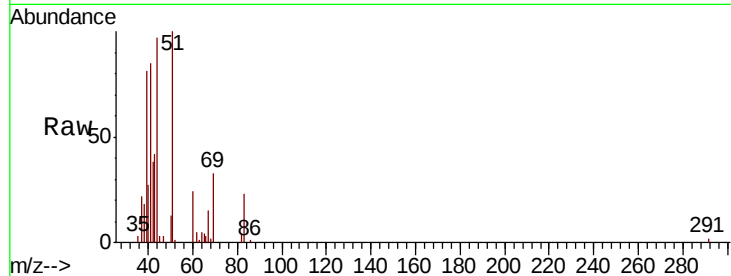
Ion Ratio Lower Upper

41 100

42 55.3 53.9 80.9

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

15000

3.00

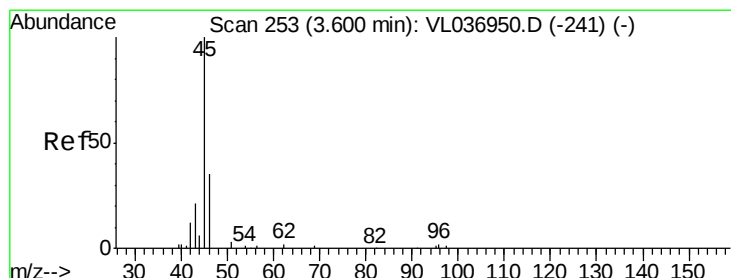
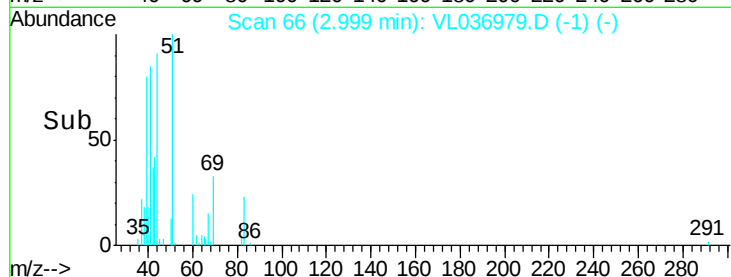
10000

5000

0

Time-->

2.95 3.00 3.05



#13

Ethanol

Concen: 10.844 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL036979.D

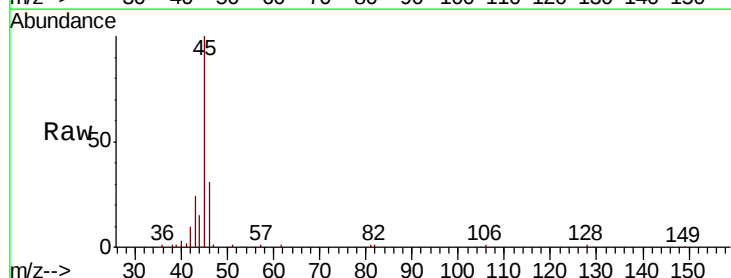
Acq: 18 May 2021 21:37

Tgt Ion: 45 Resp: 125621

Ion Ratio Lower Upper

45 100

46 35.3 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

40000

3.61

30000

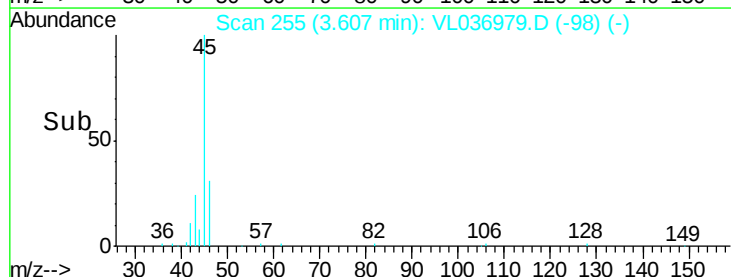
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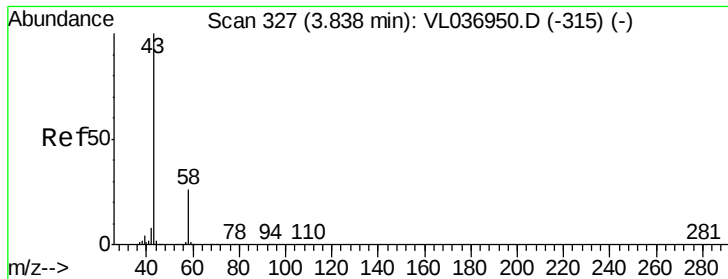
10000

0

Time-->

3.50 3.60 3.70





#15

Acetone

Concen: 18.552 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL036979.D

Acq: 18 May 2021 21:37

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 43 Resp: 2514987

Ion Ratio Lower Upper

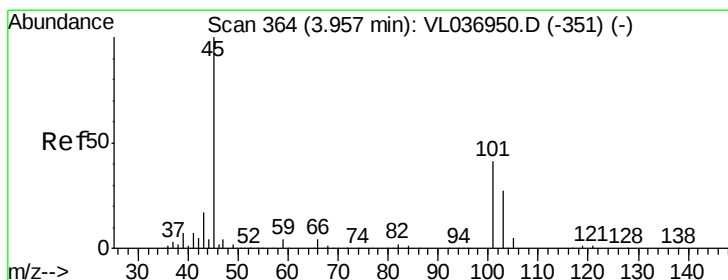
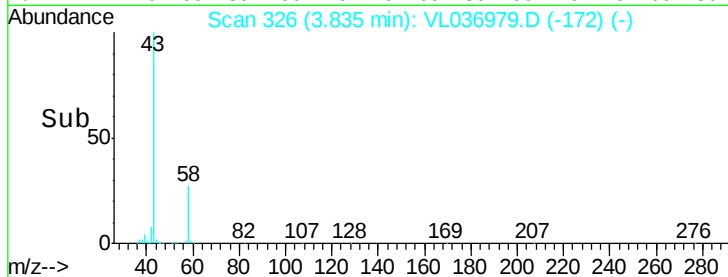
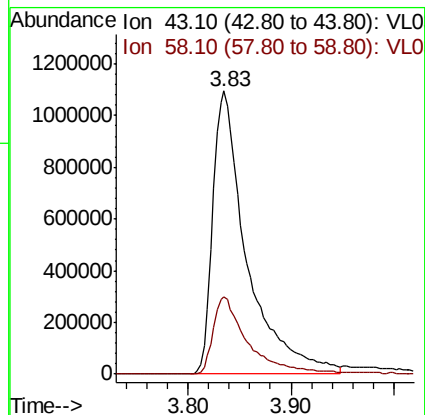
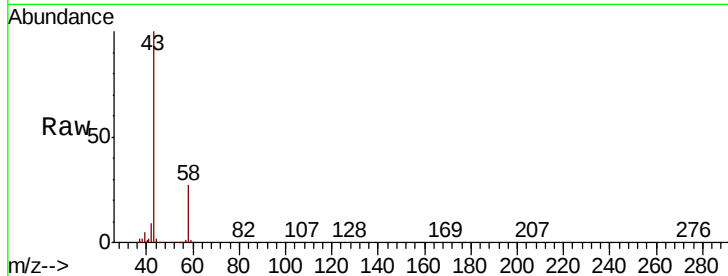
43 100

58 27.9 24.0 36.0

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#19

Isopropyl Alcohol

Concen: 1.244 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL036979.D

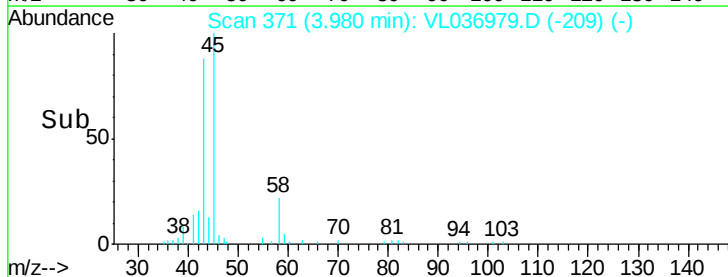
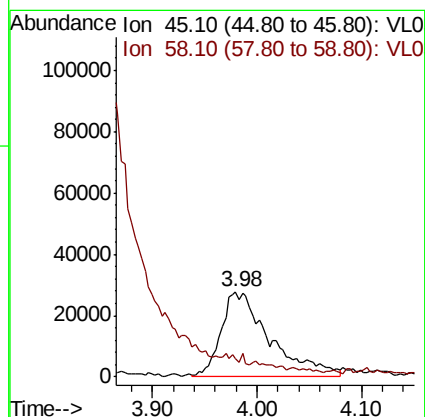
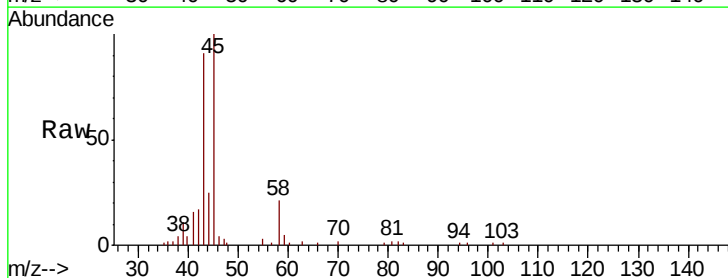
Acq: 18 May 2021 21:37

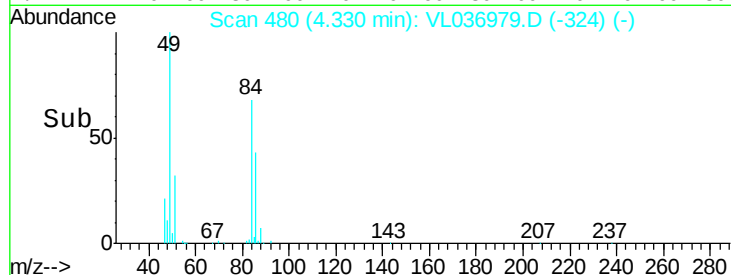
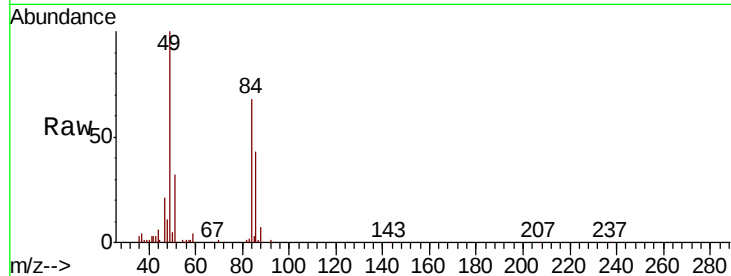
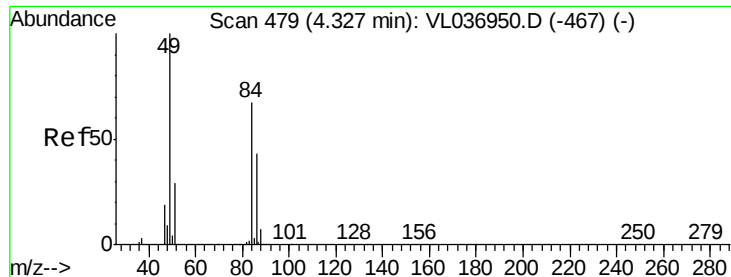
Tgt Ion: 45 Resp: 90670

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#





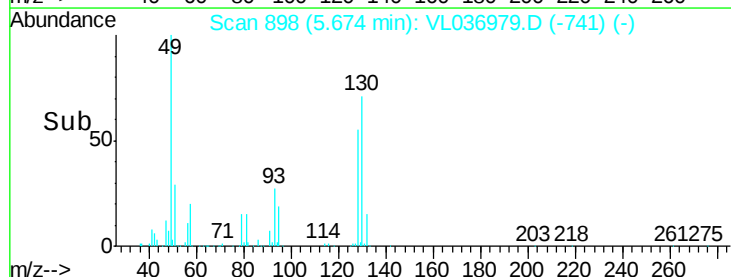
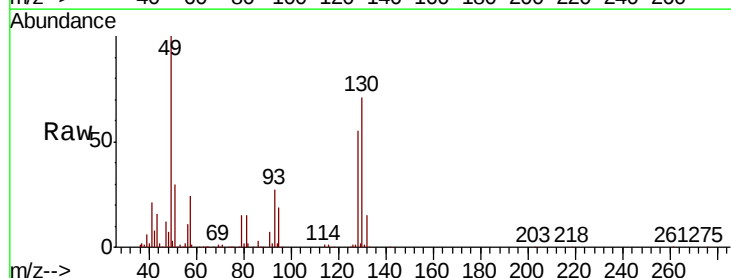
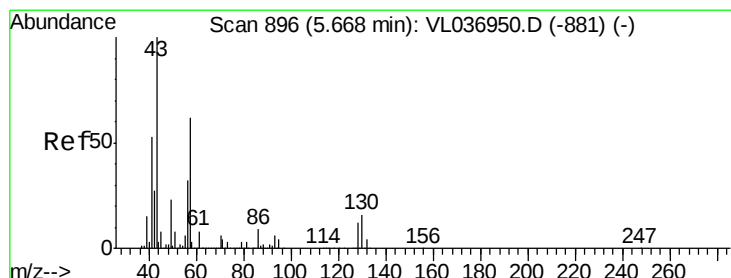
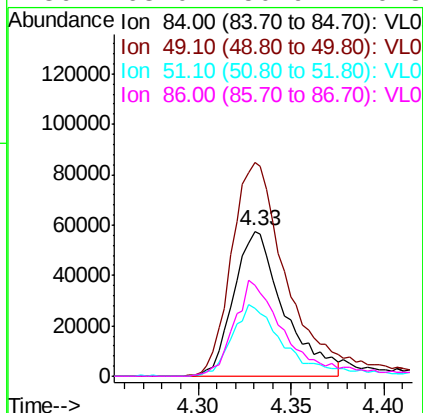
#20
Methvlene Chloride
Concen: 1.488 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Tot Ion	84	Resp	108103
Ion	Ratio	Lower	Upper
84	100		
49	146.7	119.8	179.6
51	46.3	35.1	52.7
86	63.0	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

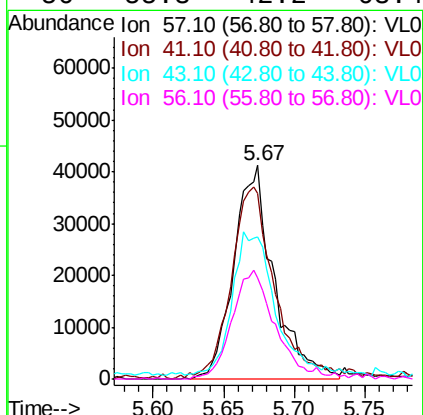
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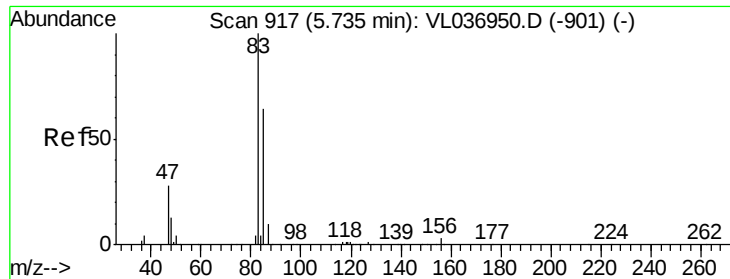
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#26
Hexane
Concen: 0.486 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Tgt Ion	57	Resp	80931
Ion	Ratio	Lower	Upper
57	100		
41	98.8	70.5	105.7
43	75.4	165.8	248.8#
56	55.3	42.2	63.4





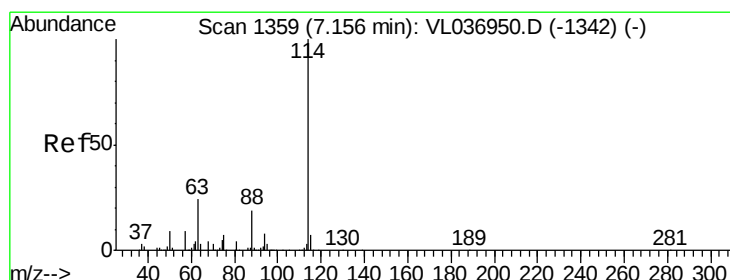
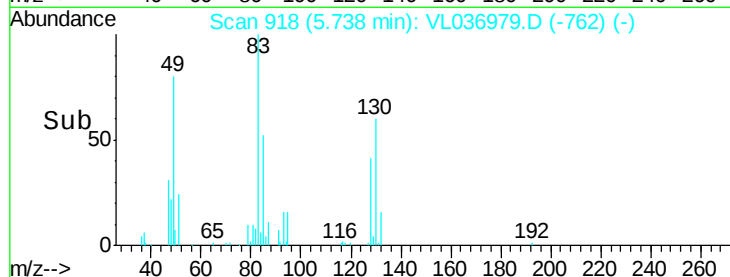
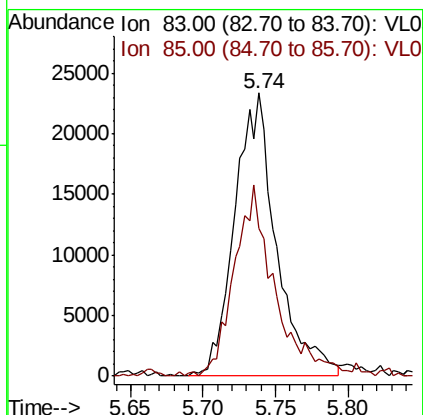
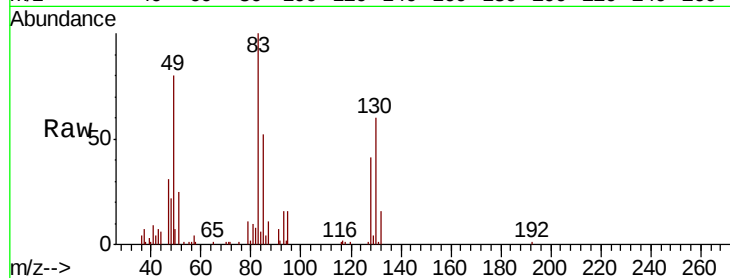
#29
Chloroform
Concen: 0.199 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion: 83 Resp: 46781
Ion Ratio Lower Upper
83 100
85 51.3 51.1 76.7

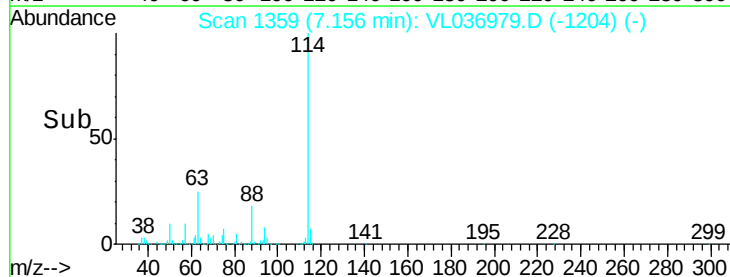
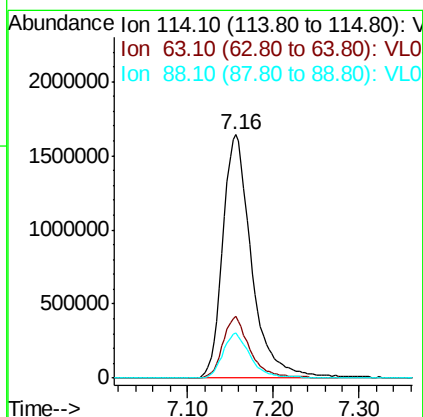
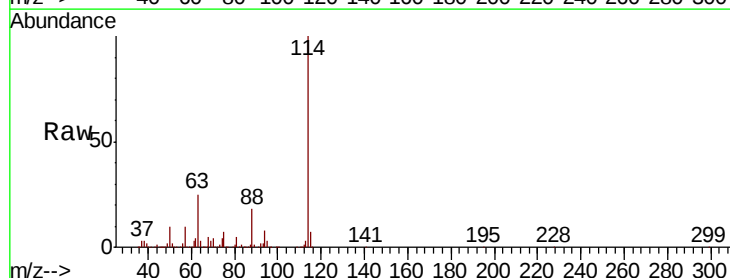
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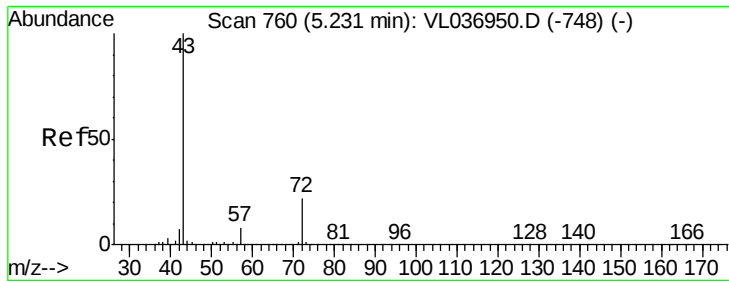
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Tgt Ion: 114 Resp: 3831489
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 17.9 14.6 21.8





#34

2-Butanone

Concen: 0.681 ppbv m

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL036979.D

Acq: 18 May 2021 21:37

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 43 Resp: 94999

Ion Ratio Lower Upper

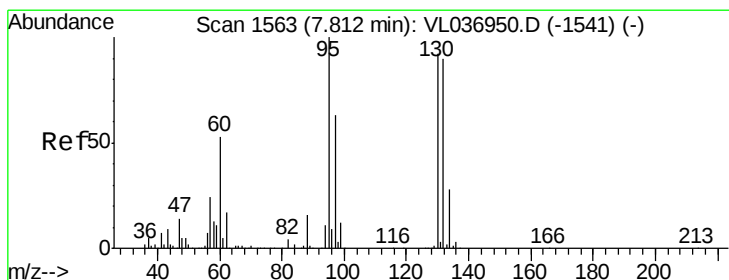
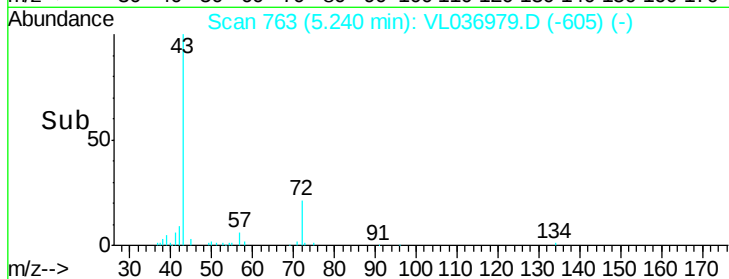
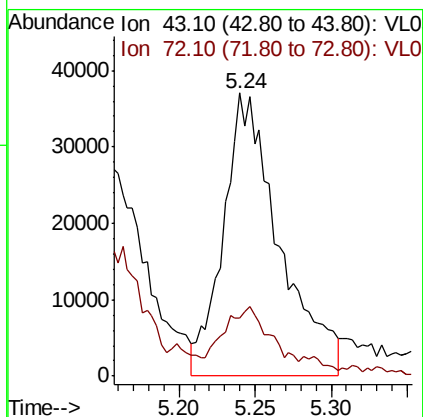
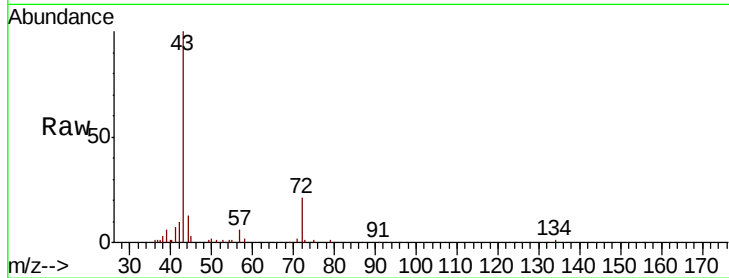
43 100

72 25.2 19.0 28.4

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#38

Trichloroethene

Concen: 0.526 ppbv m

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL036979.D

Acq: 18 May 2021 21:37

Tgt Ion: 130 Resp: 74192

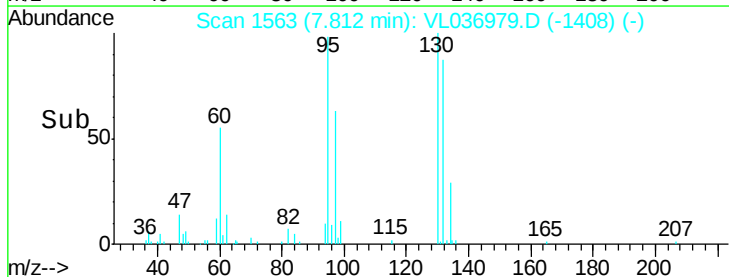
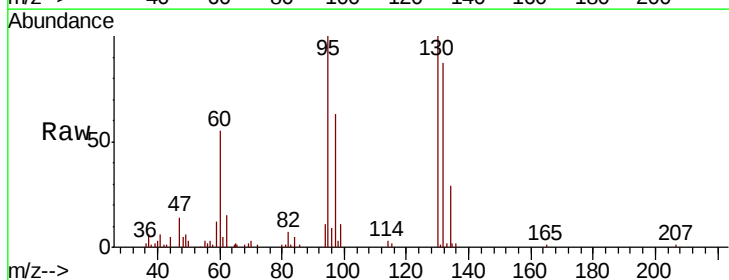
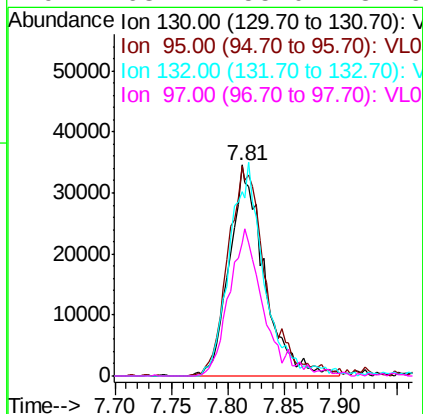
Ion Ratio Lower Upper

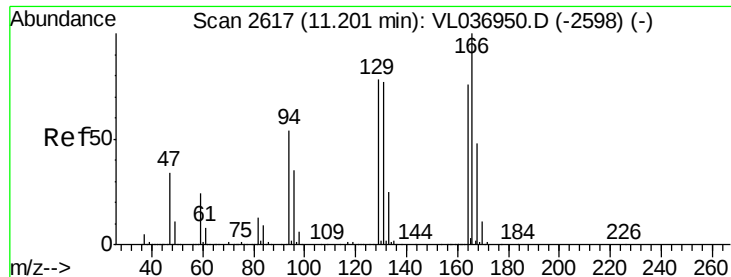
130 100

95 99.6 86.9 130.3

132 87.4 78.4 117.6

97 63.1 55.0 82.6





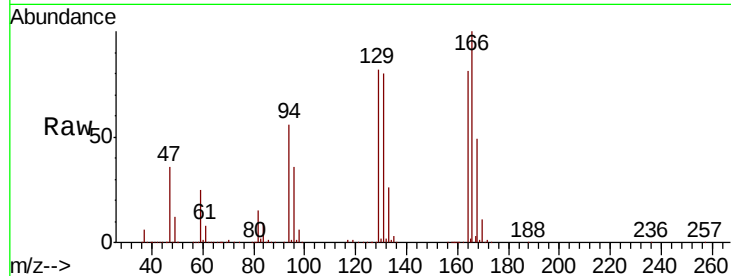
#52
Tetrachloroethene
Concen: 15.299 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.7	105.5	158.3
129	101.3	81.8	122.8
131	98.8	81.2	121.8

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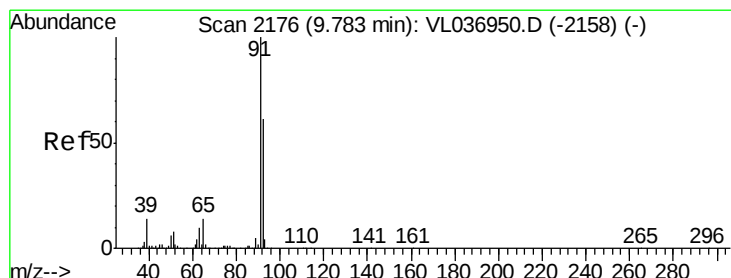
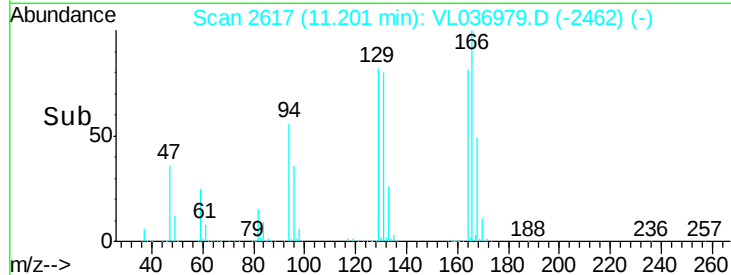
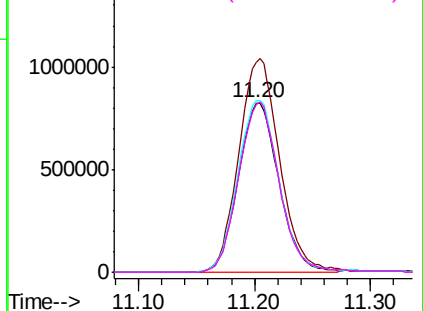
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

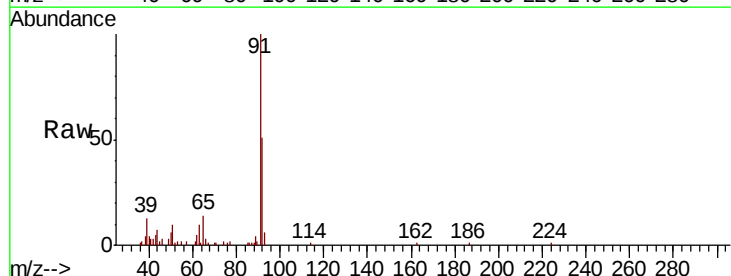
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53
Toluene
Concen: 0.146 ppbv m
RT: 9.79 min Scan# 2178
Delta R.T. 0.01 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

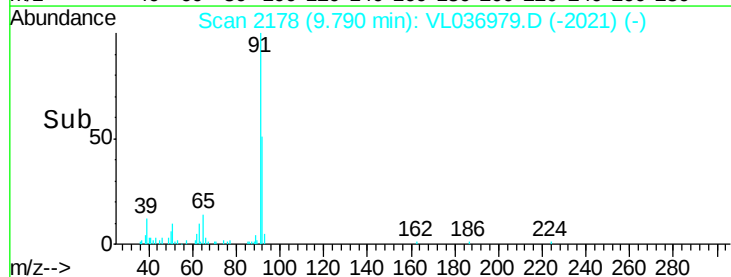
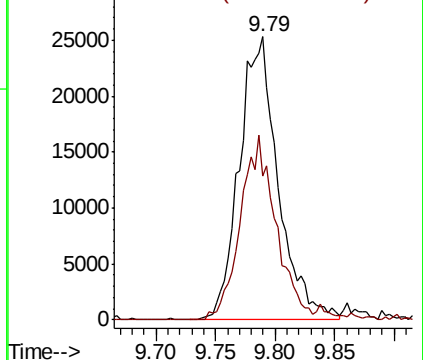
Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.7	49.5	74.3

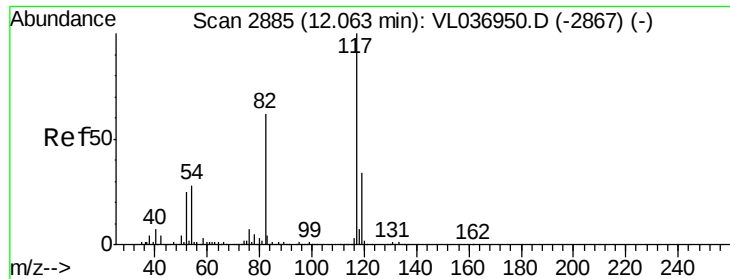


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





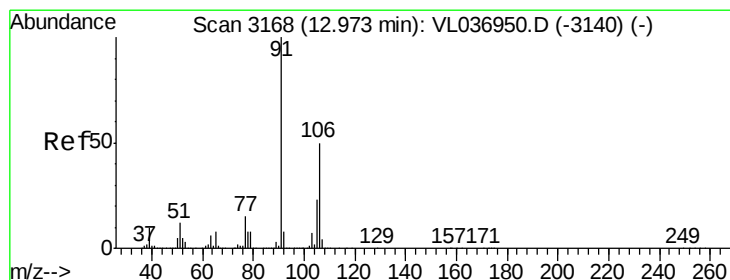
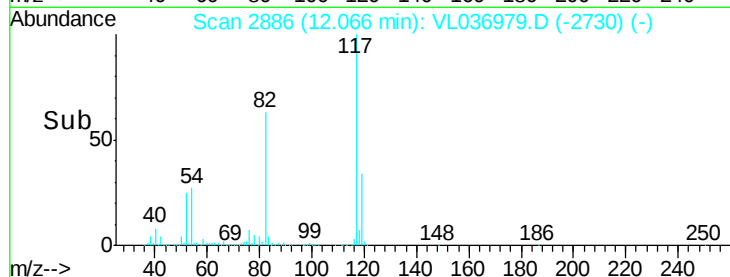
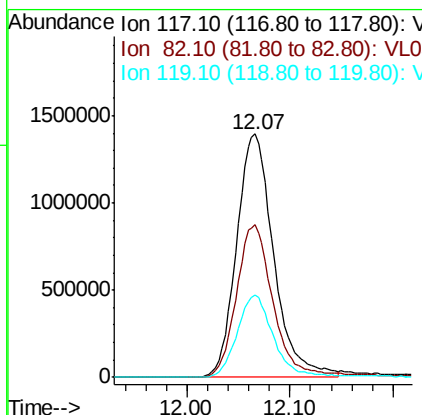
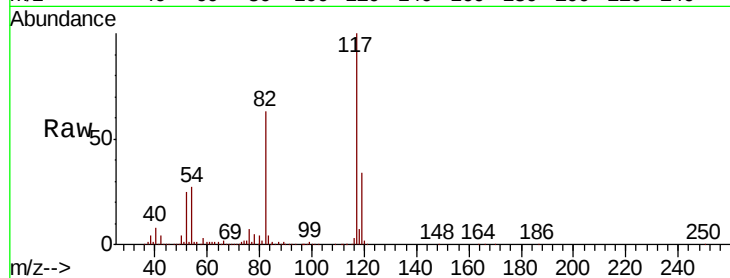
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.9	52.6	79.0
119	34.0	46.6	70.0#

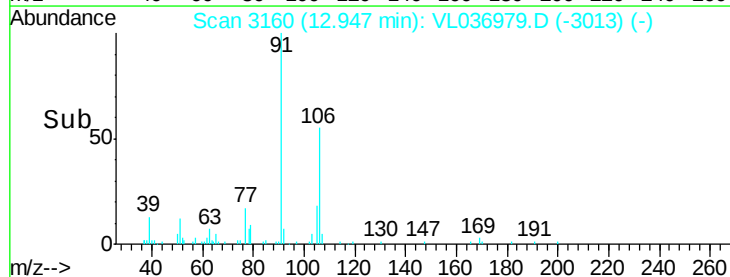
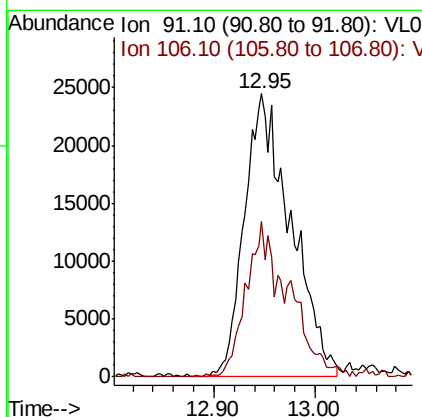
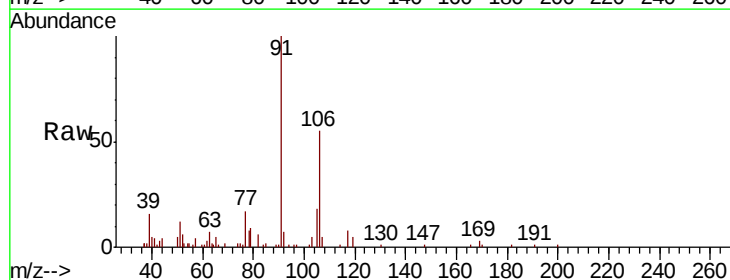
Manual Integrations
APPROVED

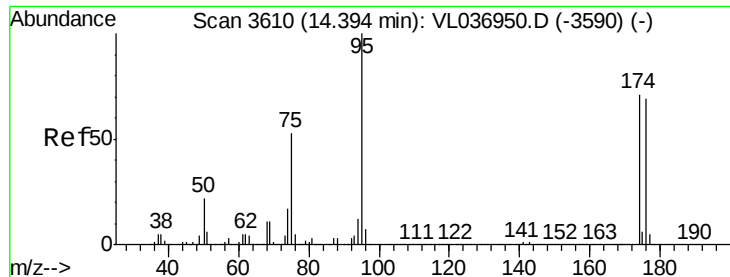
MMDadoda
5/20/2021 5:56:06 PM



#59
m/p-Xylene
Concen: 0.190 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL036979.D
Acq: 18 May 2021 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#





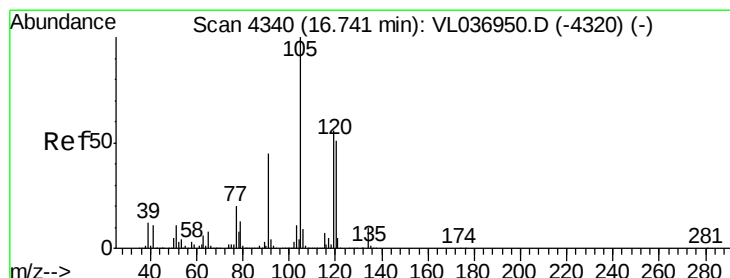
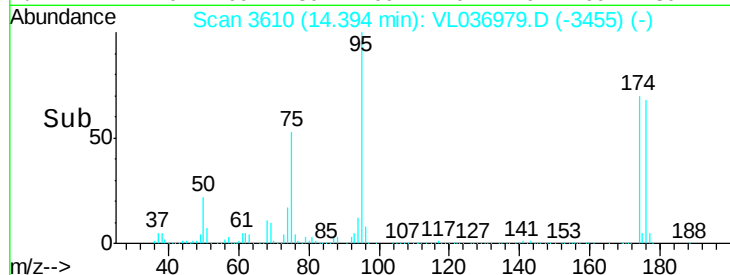
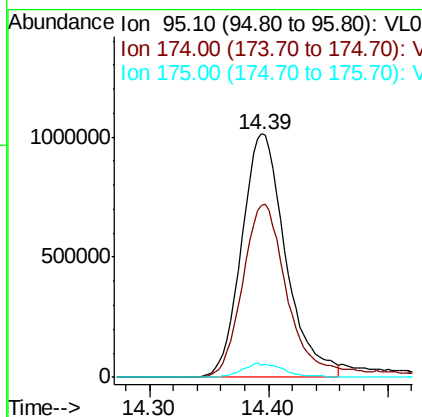
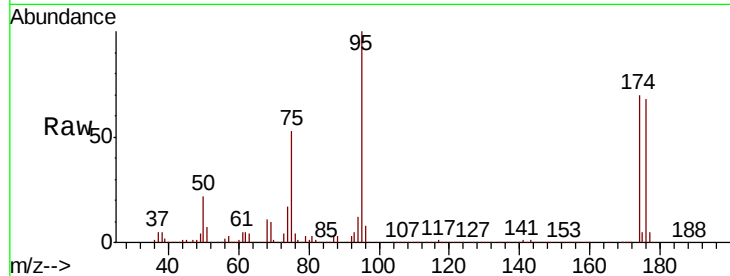
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.914 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL036979.D
 Acq: 18 May 2021 21:37

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1DL

Tot Ion: 95 Resp: 2601699
 Ion Ratio Lower Upper
 95 100
 174 76.9 58.4 87.6
 175 5.8 4.4 6.6

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:06 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.138 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL036979.D
 Acq: 18 May 2021 21:37

Tgt Ion: 105 Resp: 61721
 Ion Ratio Lower Upper
 105 100
 120 42.8 40.6 61.0
 91 13.0 37.4 56.0#
 77 5.7 16.2 24.4#

