

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037003.D
 Acq On : 19 May 2021 22:27
 Operator : SY/AP
 Sample : M2424-04DL DUP 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01DL DUP

Manual Integrations
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Quant Time: May 22 22:37:54 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	5.64	49	1171391	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3564816	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3235918	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2426425	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	106518	1.386	ppbv	100
10) Heptane	8.10	43	31770m	0.166	ppbv	
11) Trichlorofluoromethane	3.93	101	60394m	0.328	ppbv	
13) Ethanol	3.60	45	115955m	11.309	ppbv	
15) Acetone	3.83	43	8907569	74.241	ppbv	99
17) tert-Butyl alcohol	4.29	59	142273	1.295	ppbv	96
19) Isopropyl Alcohol	3.97	45	109065m	1.691	ppbv	
20) Methylene Chloride	4.33	84	51077	0.794	ppbv	91
26) Hexane	5.66	57	84706	0.575	ppbv #	12
27) Carbon Disulfide	4.53	76	39794	0.268	ppbv #	87
34) 2-Butanone	5.22	43	363631	2.801	ppbv	94
36) Benzene	6.86	78	904279	2.945	ppbv	98
53) Toluene	9.78	91	482495	1.321	ppbv	99
59) m/p-Xylene	12.93	91	57161m	0.151	ppbv	

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

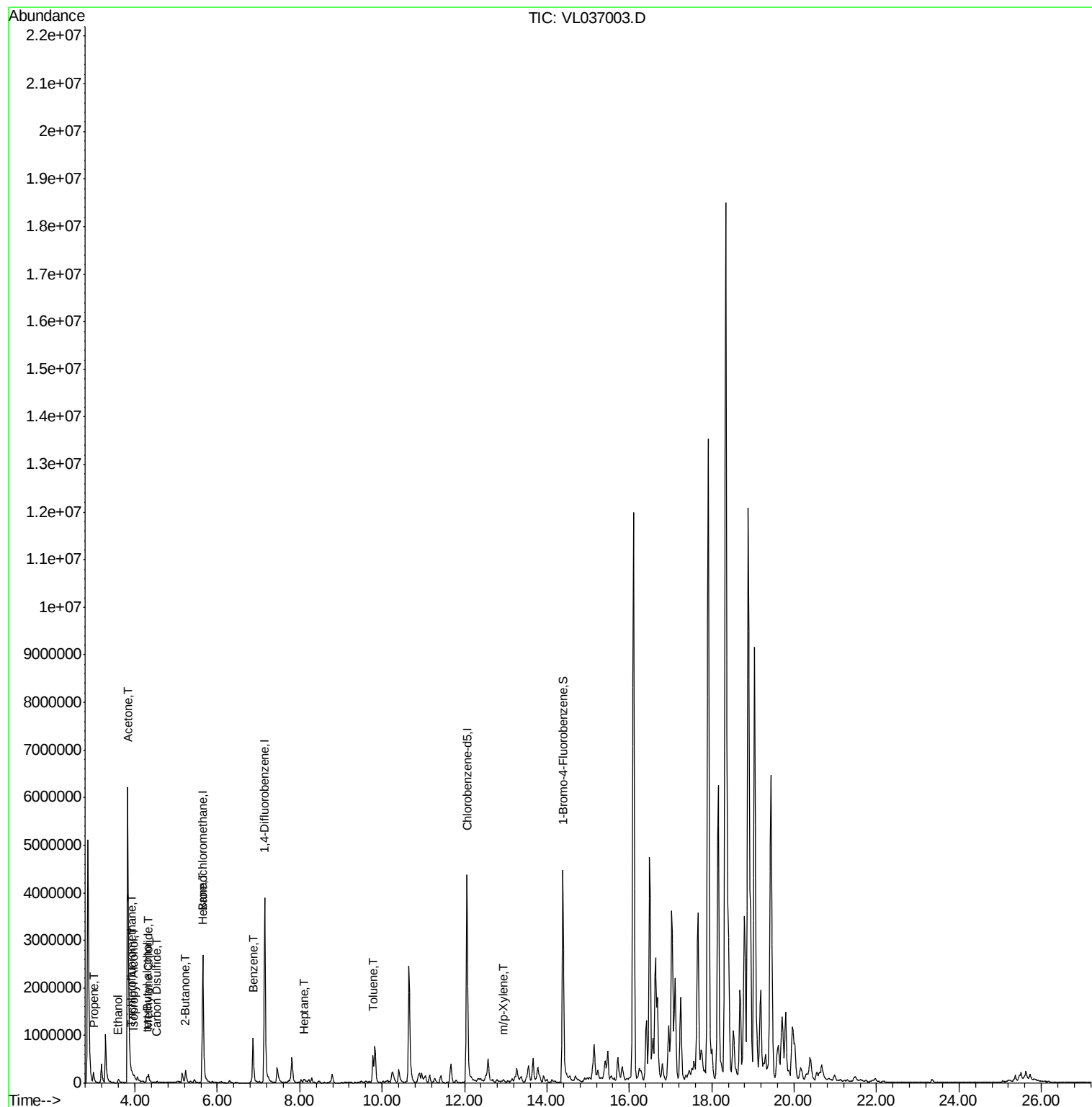
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037003.D
Acq On : 19 May 2021 22:27
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Sample : M2424-04DL DUP 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

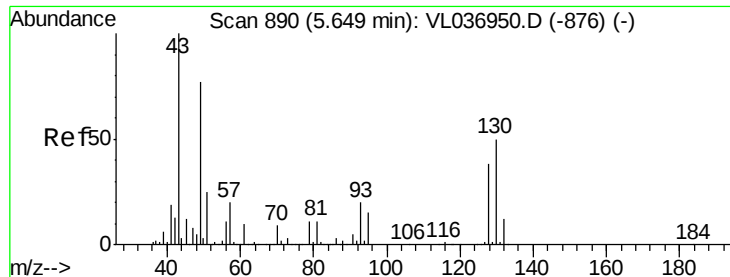
Instrument :
MSVOA_L
ClientSampleId :
KSV-01DL DUP

Manual Integrations
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Quant Time: May 22 22:37:54 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL037003.D

Acq: 19 May 2021 22:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-01DLDUP

Tot Ion: 49 Resp: 1171391

Ion Ratio Lower Upper

49 100

128 54.1 26.9 80.7

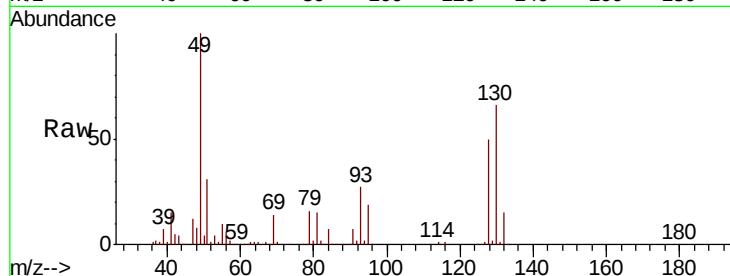
130 70.0 33.8 101.4

Manual Integrations

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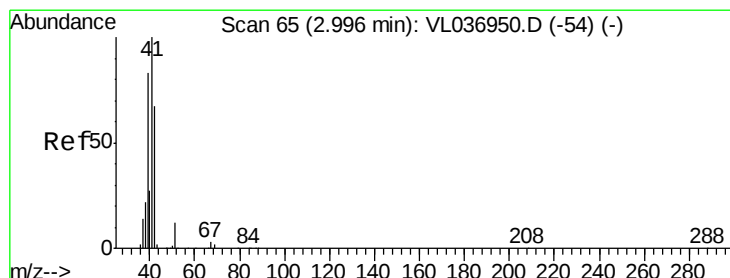
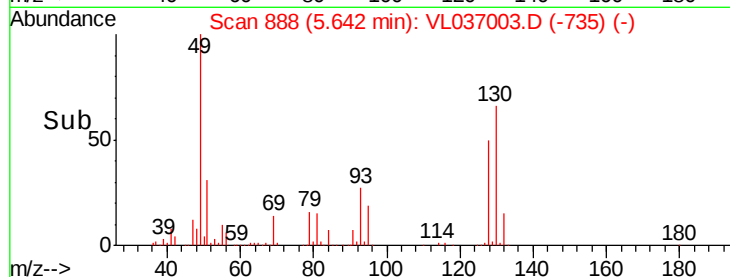
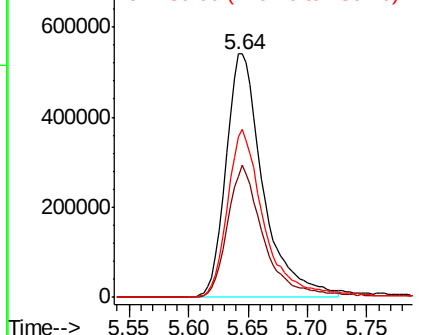
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 1.386 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL037003.D

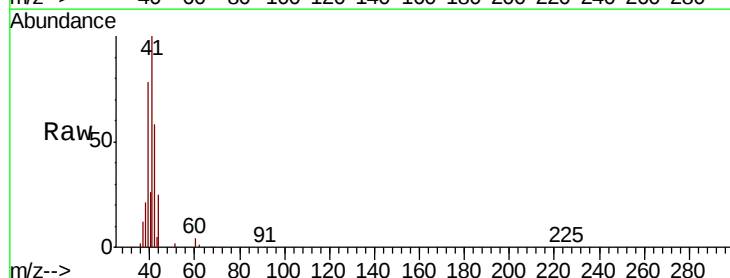
Acq: 19 May 2021 22:27

Tgt Ion: 41 Resp: 106518

Ion Ratio Lower Upper

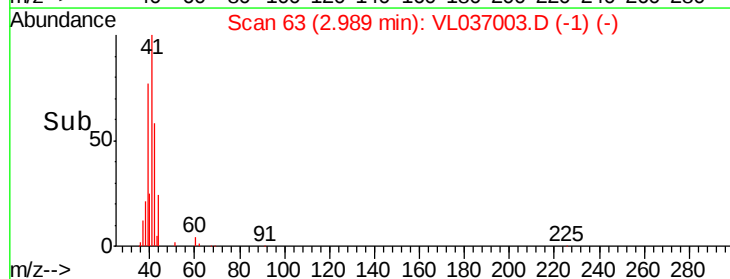
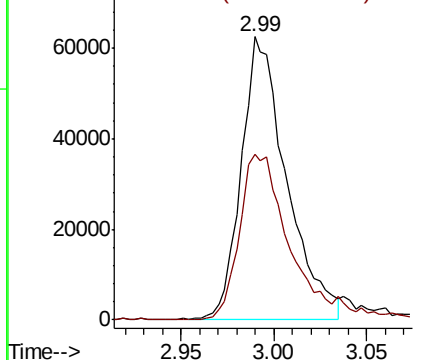
41 100

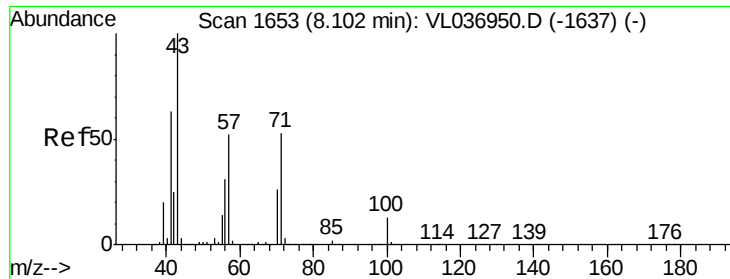
42 67.4 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





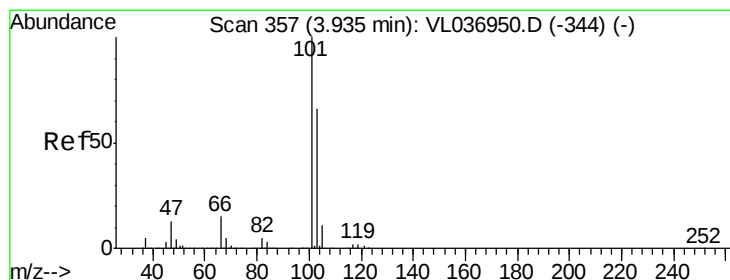
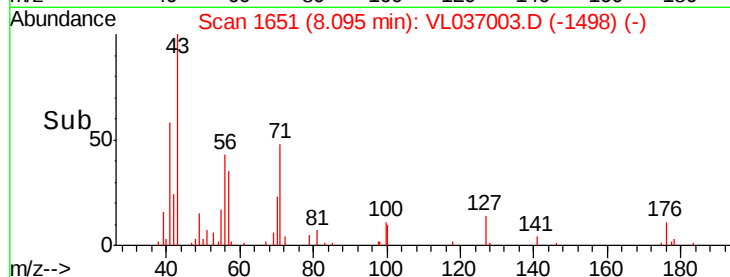
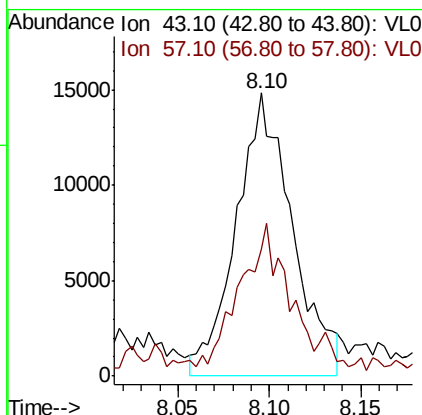
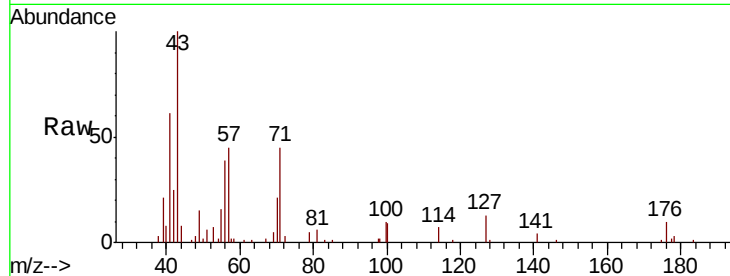
#10
Heptane
Concen: 0.166 ppbv m
RT: 8.10 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Instrument :
MSVOA_L
ClientSampleId :
KSV-01DLDP

Tot Ion: 43 Resp: 31770
Ion Ratio Lower Upper
43 100
57 49.5 41.0 61.6

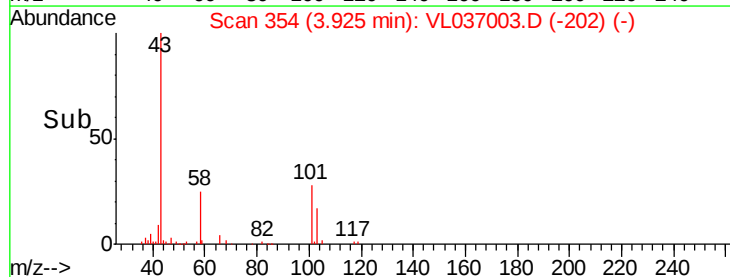
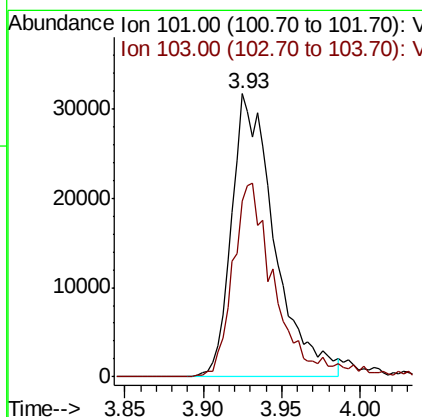
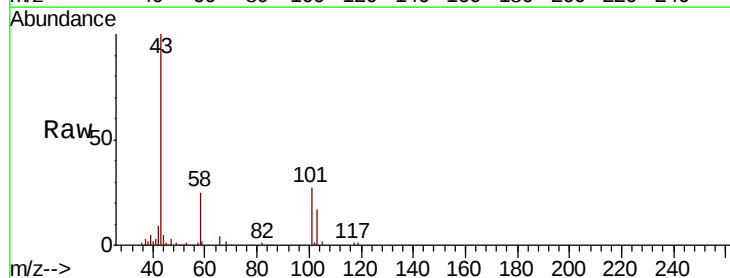
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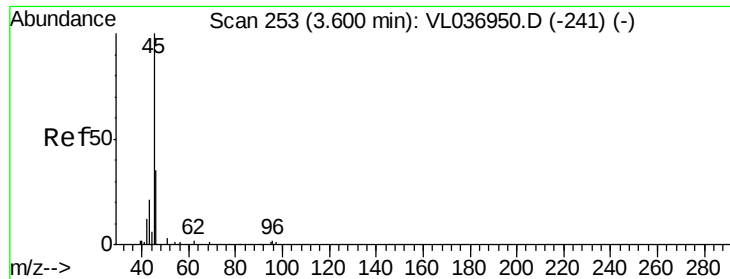
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#11
Trichlorofluoromethane
Concen: 0.328 ppbv m
RT: 3.93 min Scan# 354
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Tgt Ion:101 Resp: 60394
Ion Ratio Lower Upper
101 100
103 61.9 52.6 79.0





#13

Ethanol

Concen: 11.309 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037003.D

Acq: 19 May 2021 22:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-01DLDP

Tot Ion: 45 Resp: 115955

Ion Ratio Lower Upper

45 100

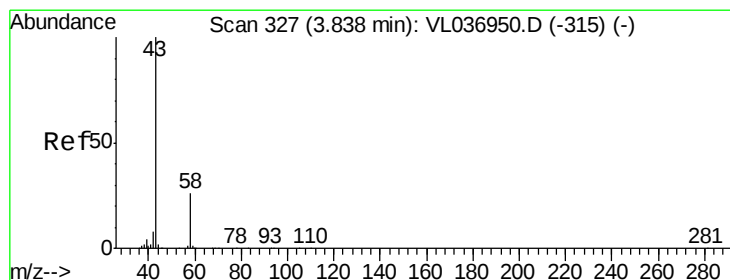
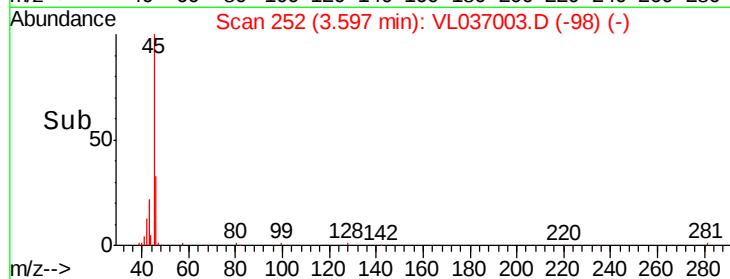
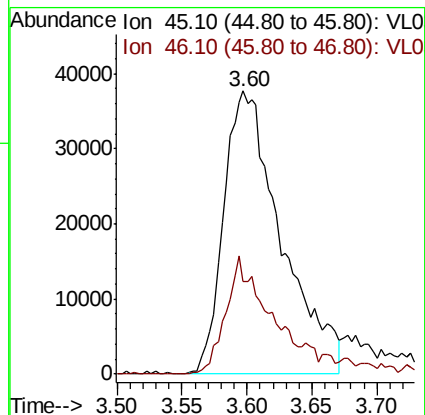
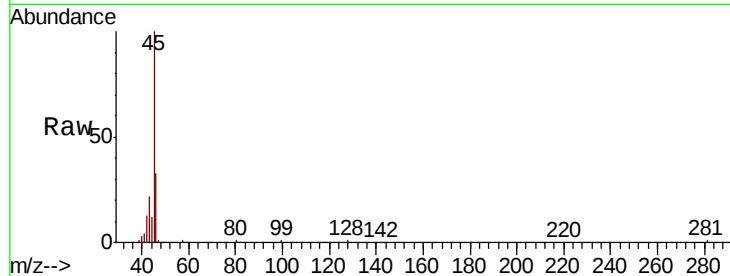
46 38.6 16.3 65.3

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#15

Acetone

Concen: 74.241 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL037003.D

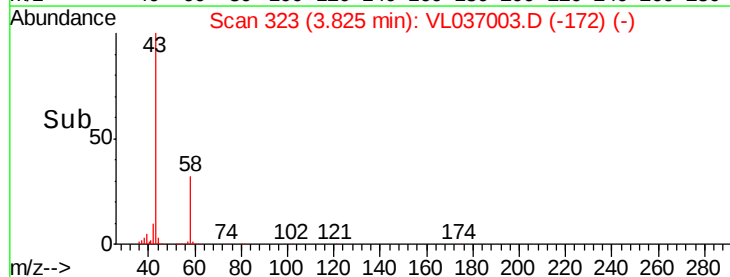
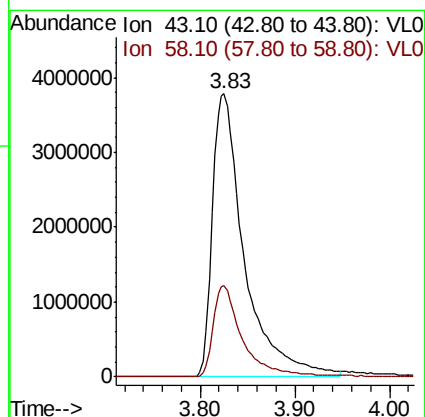
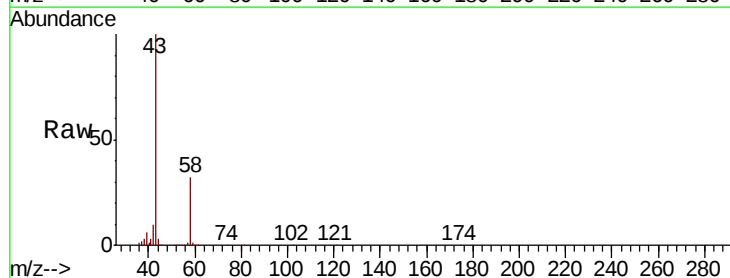
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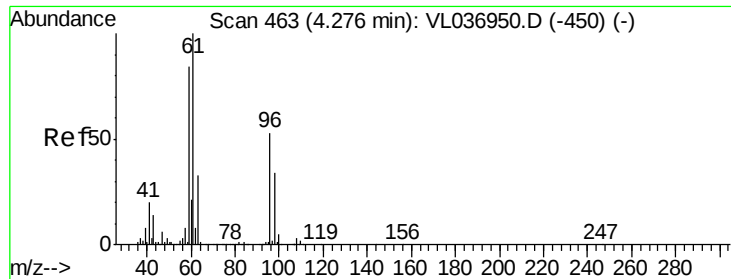
Tgt Ion: 43 Resp: 8907569

Ion Ratio Lower Upper

43 100

58 30.5 24.0 36.0





#17

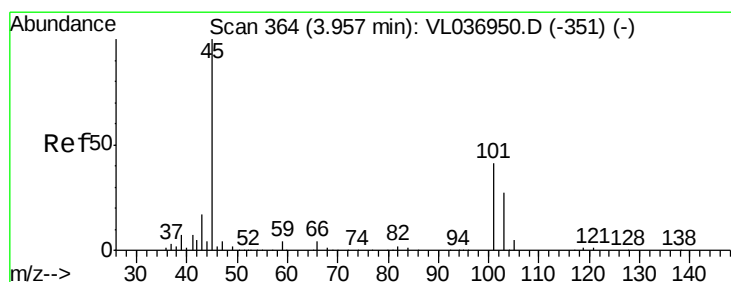
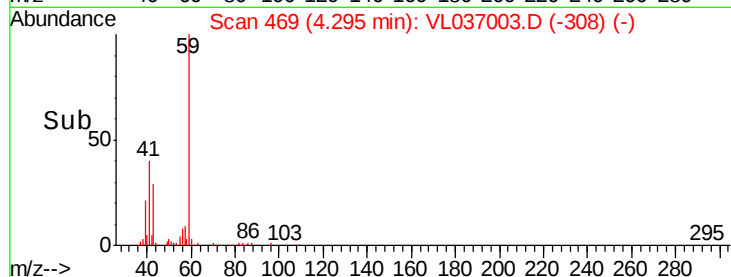
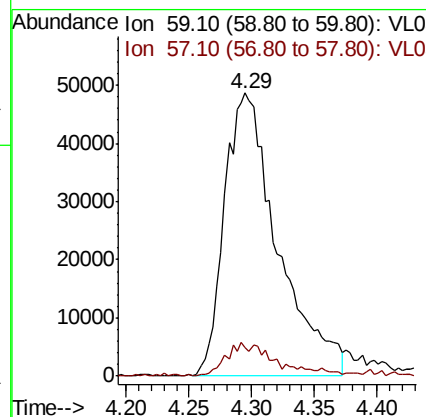
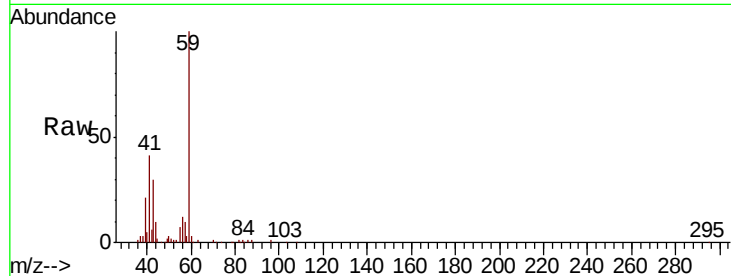
tert-Butyl alcohol
 Concen: 1.295 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL037003.D
 Acq: 19 May 2021 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01DLDP

Tot Ion: 59 Resp: 142273
 Ion Ratio Lower Upper
 59 100
 57 12.1 8.3 12.5

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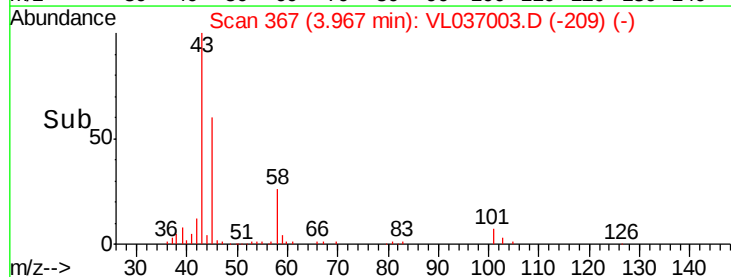
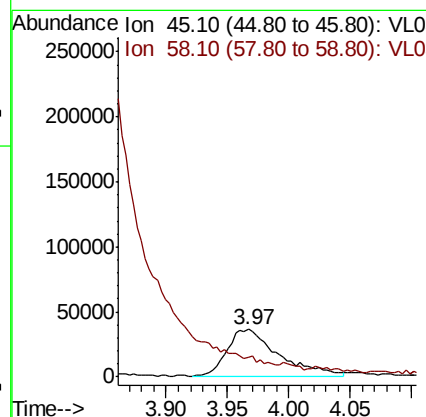
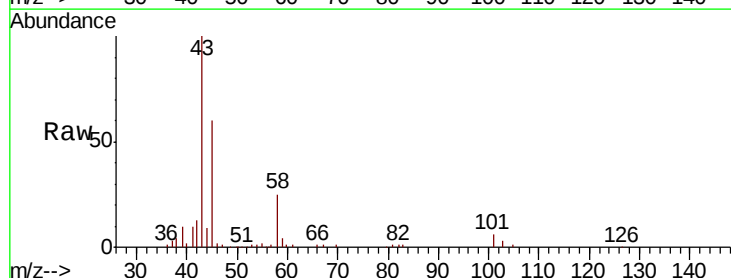
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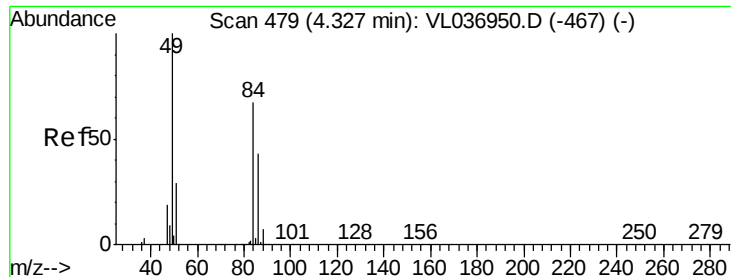


#19

Isopropyl Alcohol
 Concen: 1.691 ppbv m
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL037003.D
 Acq: 19 May 2021 22:27

Tgt Ion: 45 Resp: 109065
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#





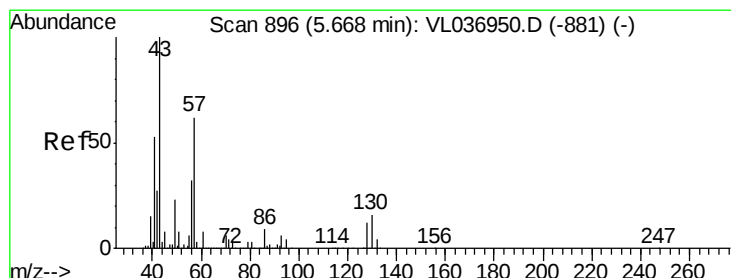
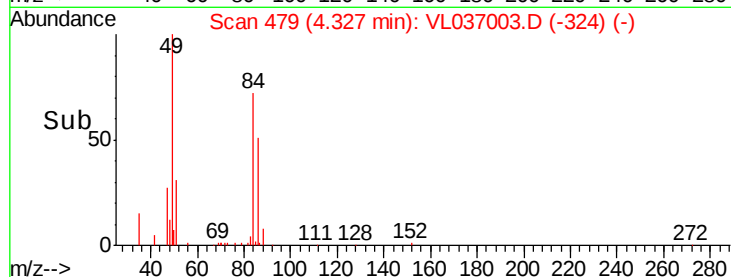
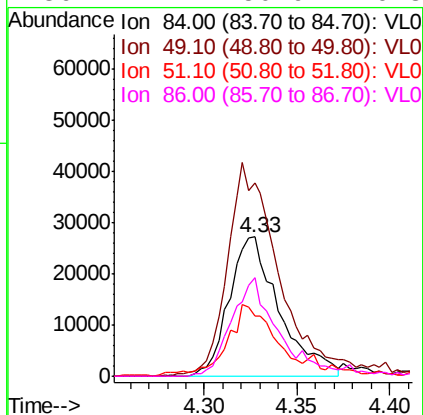
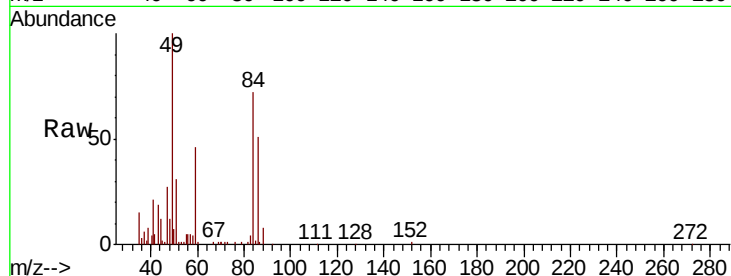
#20
Methvlene Chloride
Concen: 0.794 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Instrument :
MSVOA_L
ClientSampleId :
KSV-01DLDUP

Tot Ion:	84	Resp:	51077
Ion	Ratio	Lower	Upper
84	100		
49	136.6	119.8	179.6
51	40.4	35.1	52.7
86	71.1	50.9	76.3

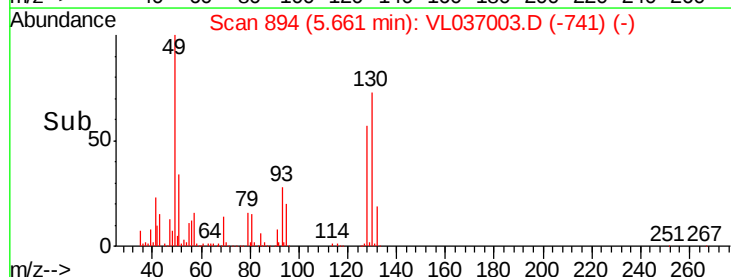
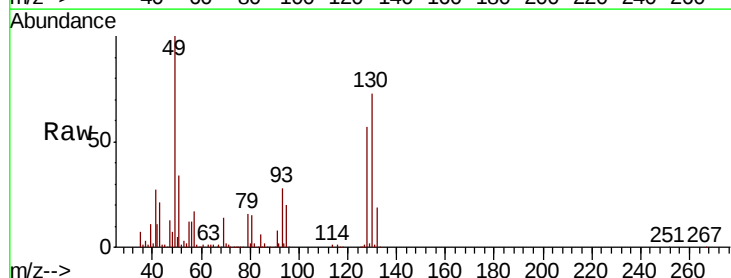
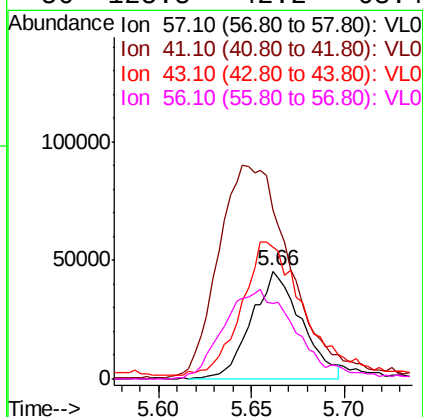
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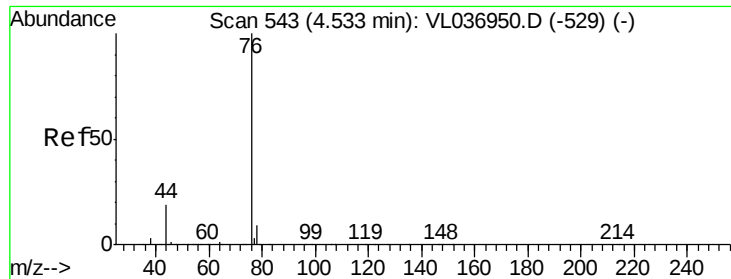
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#26
Hexane
Concen: 0.575 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Tgt Ion:	57	Resp:	84706
Ion	Ratio	Lower	Upper
57	100		
41	299.1	70.5	105.7#
43	169.4	165.8	248.8
56	125.8	42.2	63.4#





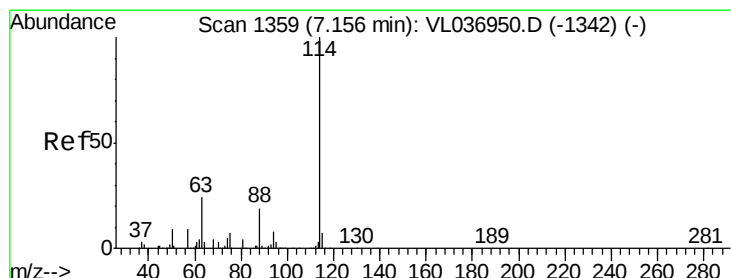
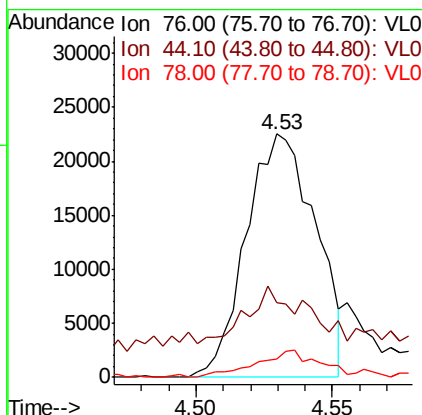
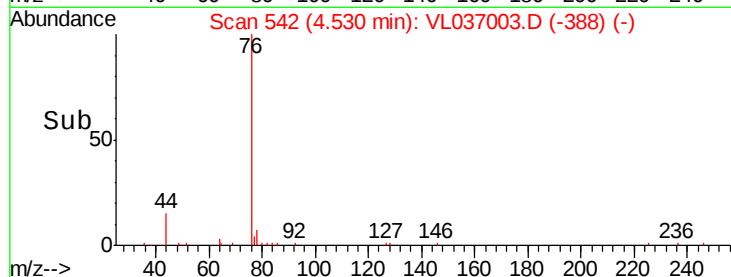
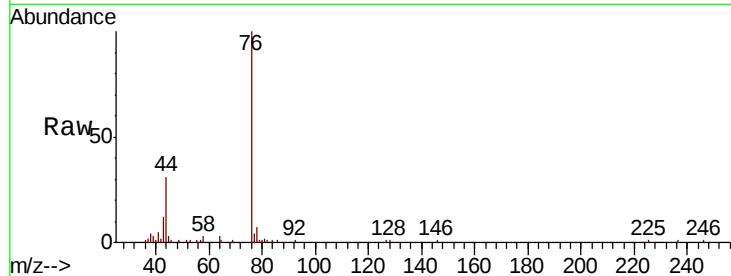
#27
Carbon Disulfide
Concen: 0.268 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Instrument :
MSVOA_L
ClientSampleId :
KSV-01DLDUP

Tot Ion	Ratio	Lower	Upper
76	100		
44	27.1	15.5	23.3#
78	11.1	7.8	11.6

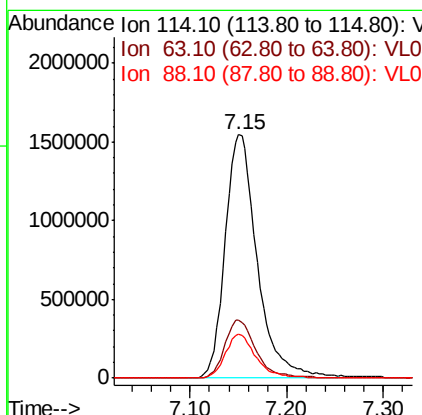
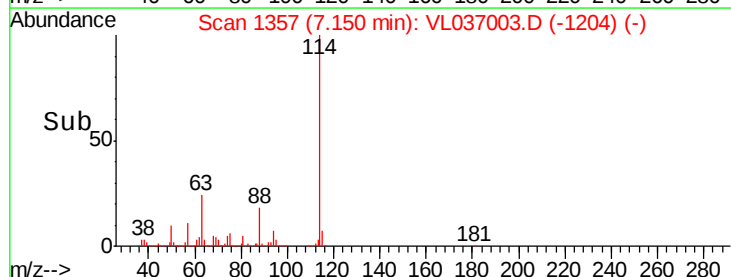
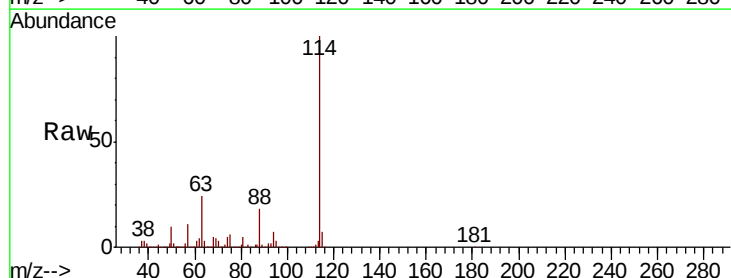
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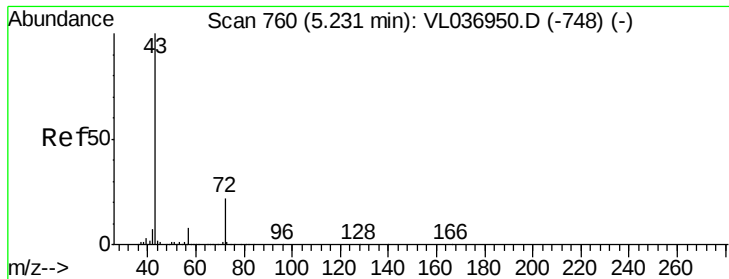
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.6	29.4
88	17.6	14.6	21.8





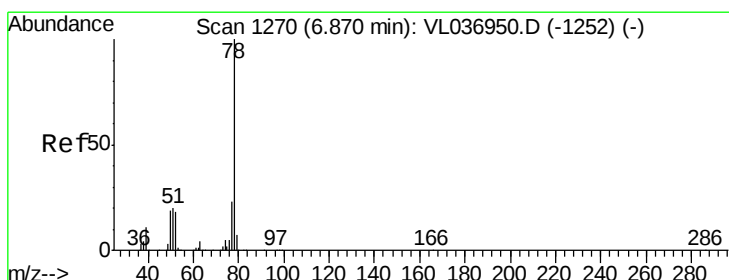
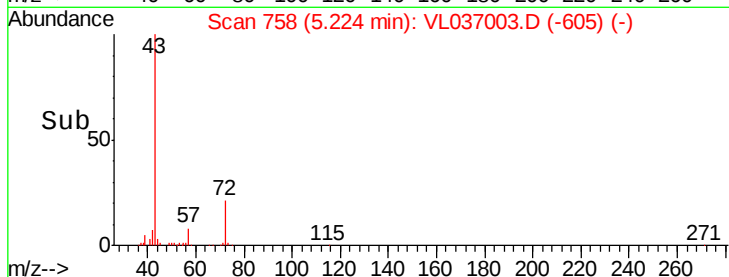
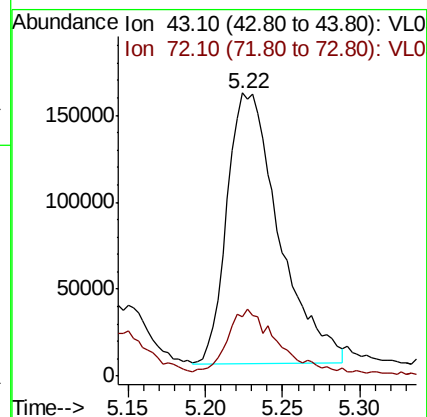
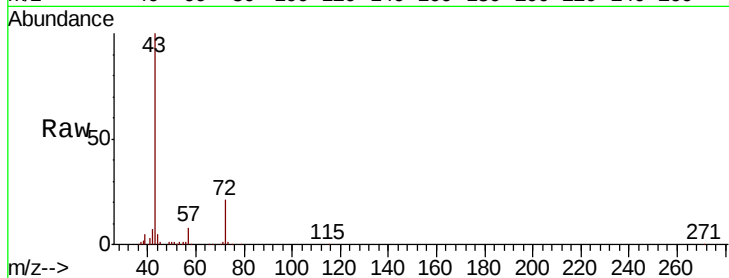
#34
2-Butanone
Concen: 2.801 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Instrument :
MSVOA_L
ClientSampleId :
KSV-01DLDUP

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.5	19.0	28.4

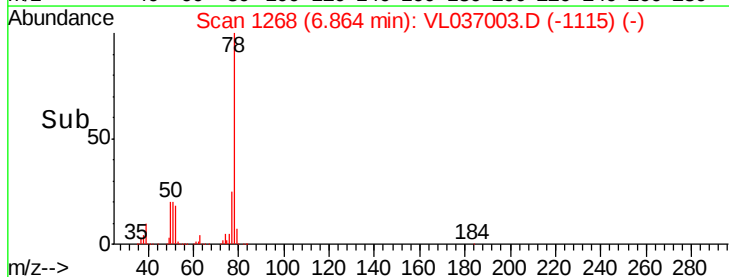
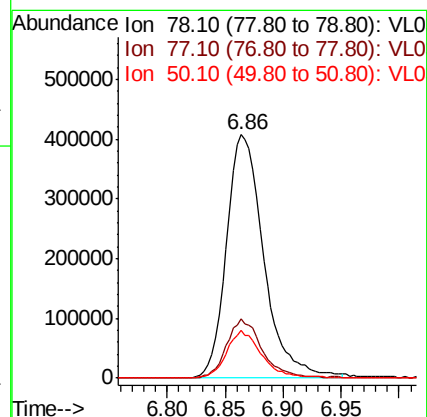
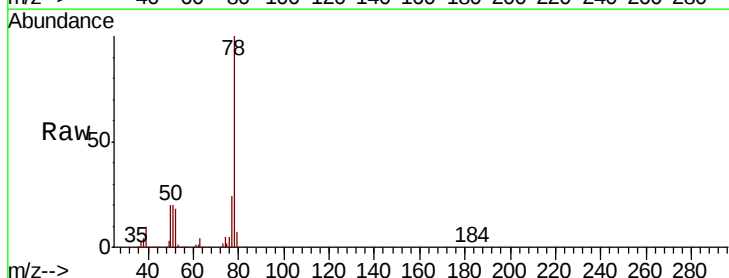
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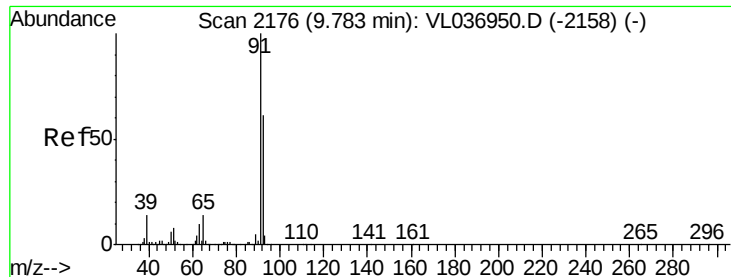
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#36
Benzene
Concen: 2.945 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0
50	19.6	15.0	22.4





#53

Toluene

Concen: 1.321 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL037003.D

Acq: 19 May 2021 22:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-01DLDP

Tot Ion: 91 Resp: 482495

Ion Ratio Lower Upper

91 100

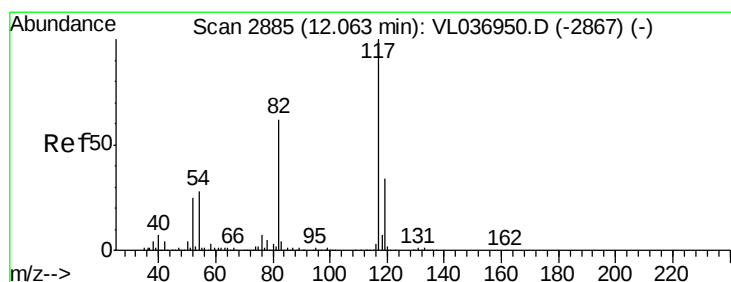
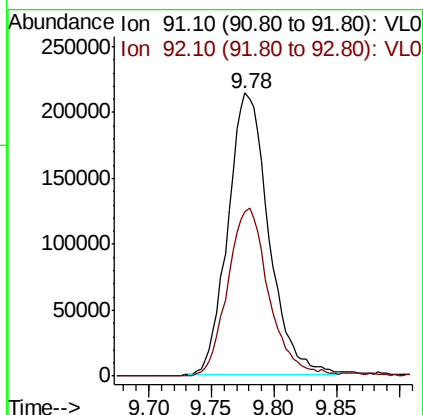
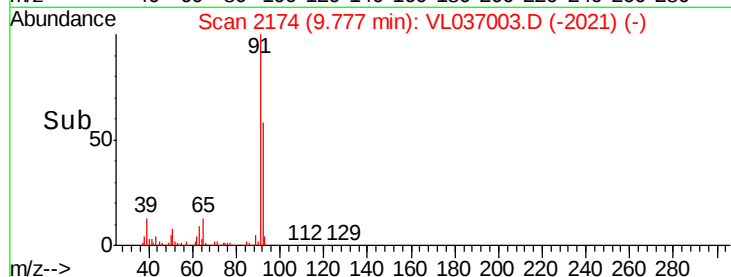
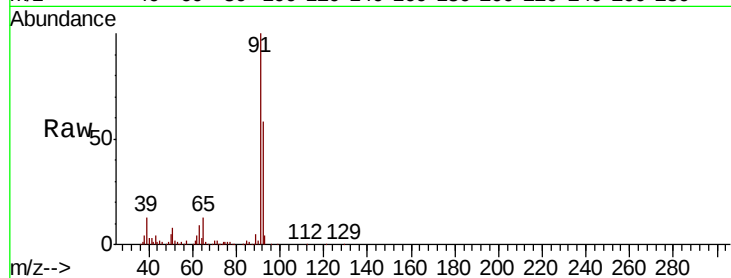
92 61.2 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

5/24/2021 3:02:03 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL037003.D

Acq: 19 May 2021 22:27

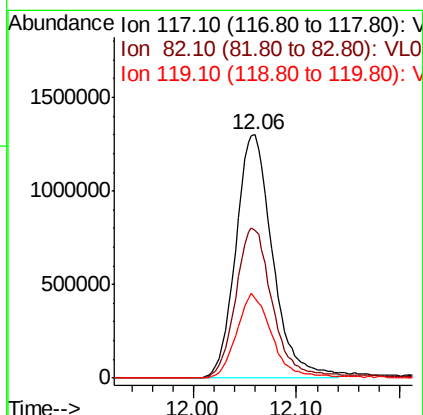
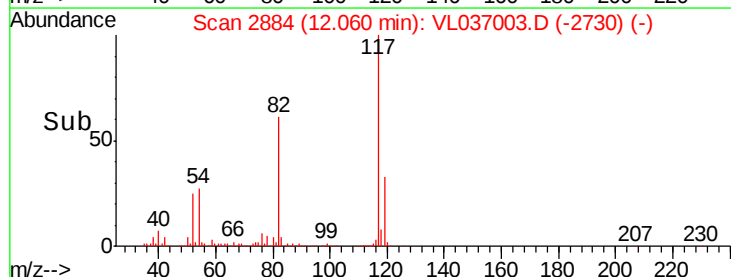
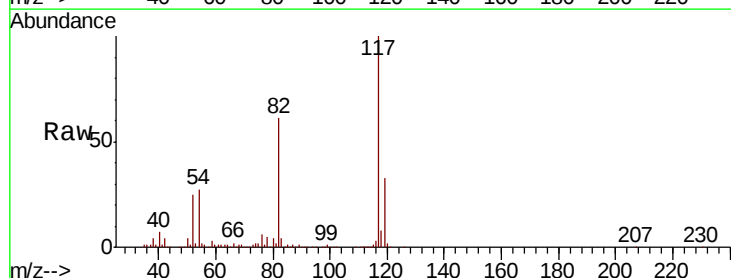
Tgt Ion: 117 Resp: 3235918

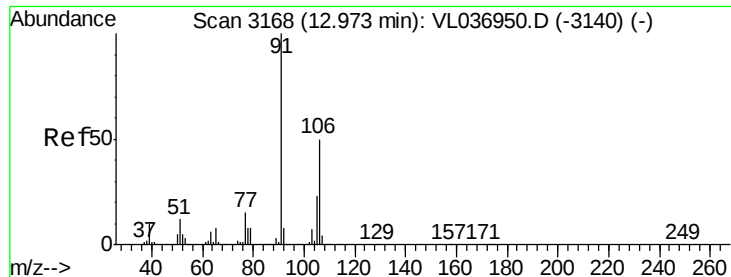
Ion Ratio Lower Upper

117 100

82 63.0 52.6 79.0

119 34.4 46.6 70.0#





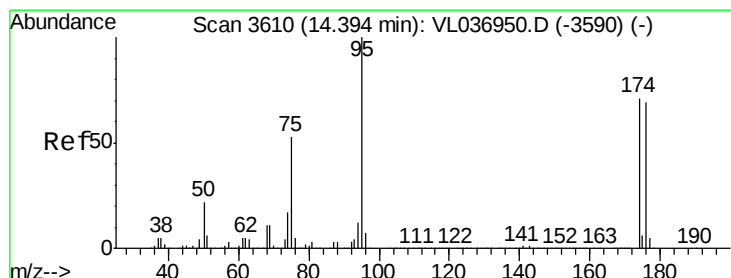
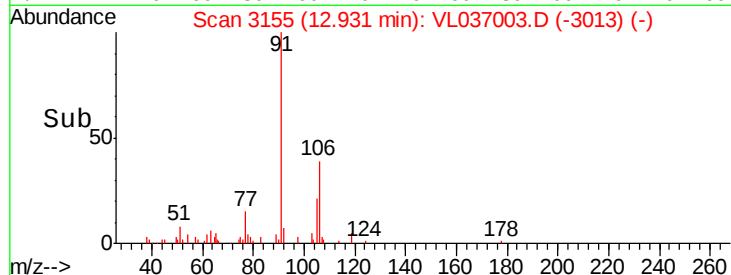
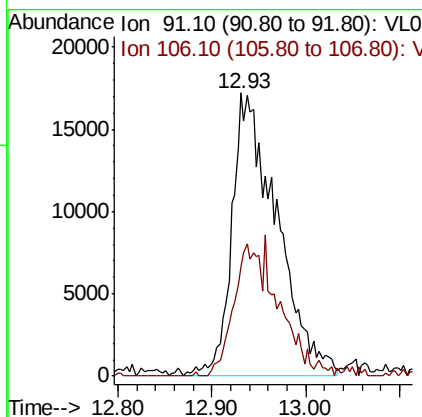
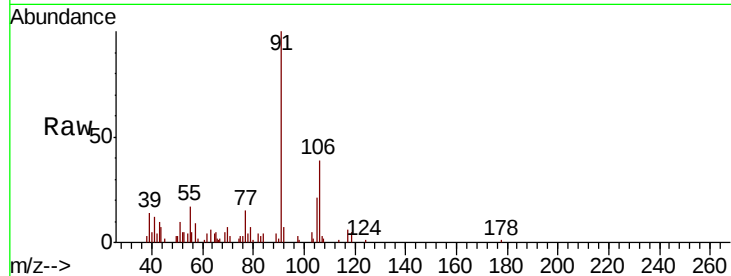
#59
m/p-Xylene
Concen: 0.151 ppbv m
RT: 12.93 min Scan# 3155
Delta R.T. -0.04 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Instrument :
MSVOA_L
ClientSampleId :
KSV-01DLDP

Tot Ion: 91 Resp: 57161
Ion Ratio Lower Upper
91 100
106 48.5 37.4 56.2

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:02:03 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.982 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.01 min
Lab File: VL037003.D
Acq: 19 May 2021 22:27

Tgt Ion: 95 Resp: 2426425
Ion Ratio Lower Upper
95 100
174 76.0 58.4 87.6
175 5.6 4.4 6.6

