

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037010.D
 Acq On : 20 May 2021 3:04
 Operator : SY/AP
 Sample : M2424-03 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02

Manual Integrations
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MMDadoda
 5/24/2021 3:02:32 PM

Quant Time: May 20 08:36:53 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	1000132	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2945794	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2685566	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2054017	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	70014	1.067	ppbv	99
13) Ethanol	3.60	45	108600m	12.406	ppbv	
15) Acetone	3.82	43	4849693	47.342	ppbv	98
17) tert-Butyl alcohol	4.29	59	62773m	0.669	ppbv	
19) Isopropyl Alcohol	3.96	45	69481m	1.262	ppbv	
20) Methylene Chloride	4.32	84	16709	0.304	ppbv	97
26) Hexane	5.66	57	35435	0.282	ppbv #	1
27) Carbon Disulfide	4.52	76	1667652	13.158	ppbv	99
34) 2-Butanone	5.22	43	242642	2.262	ppbv	93
36) Benzene	6.86	78	80108	0.316	ppbv	96
52) Tetrachloroethene	11.19	164	6039m	0.060	ppbv	
53) Toluene	9.77	91	86667	0.287	ppbv	96
58) Ethyl Benzene	12.68	91	130654	0.345	ppbv	92
59) m/p-Xylene	12.96	91	123943	0.396	ppbv	93
60) o-Xylene	13.66	91	52273	0.175	ppbv	97
74) 1,2,4-Trimethylbenzene	16.73	105	45281m	0.131	ppbv	

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

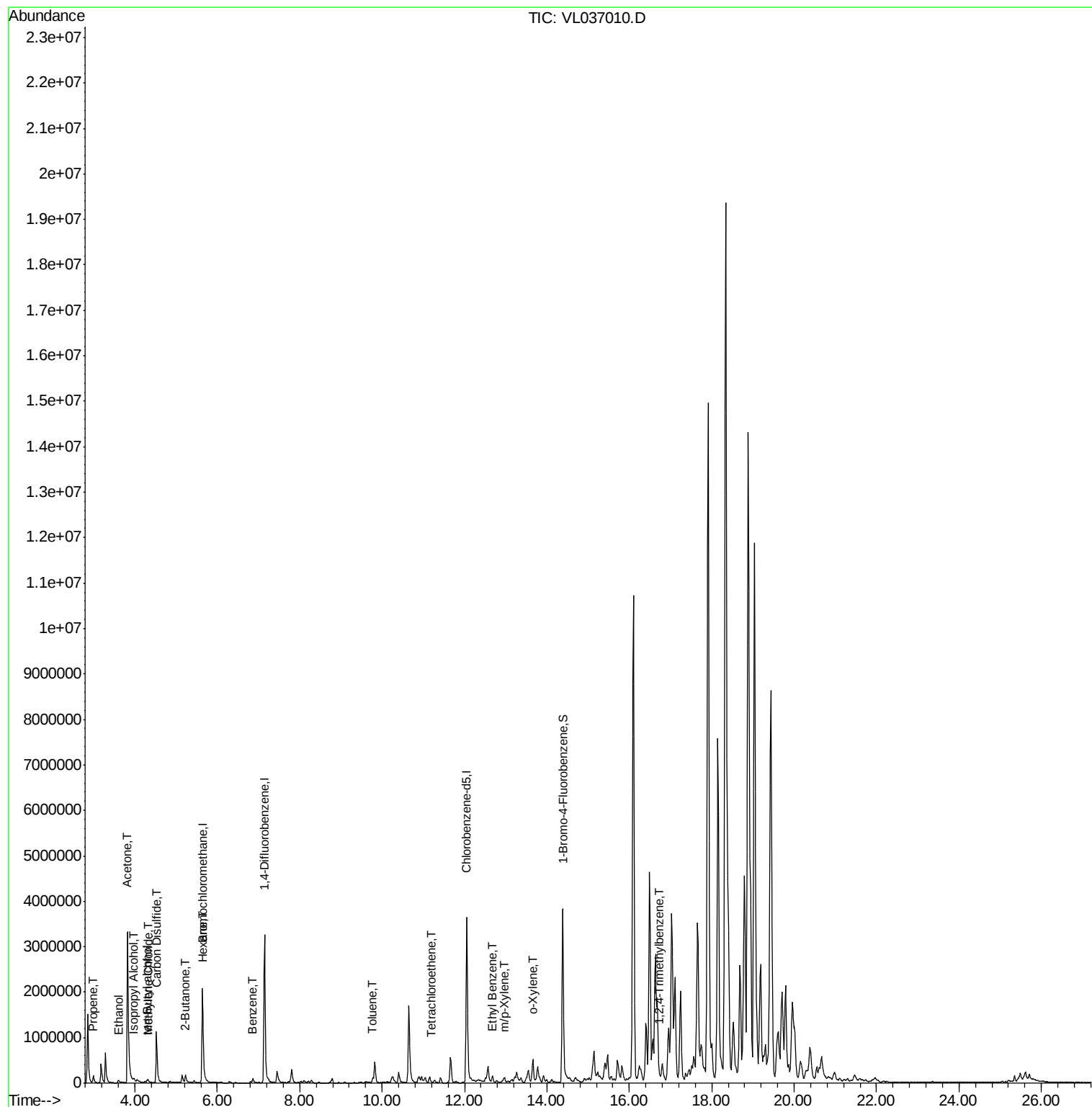
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037010.D
Acq On : 20 May 2021 3:04
Operator : SY/AP
Sample : M2424-03 10X
Misc : 400mL/MSVOA L
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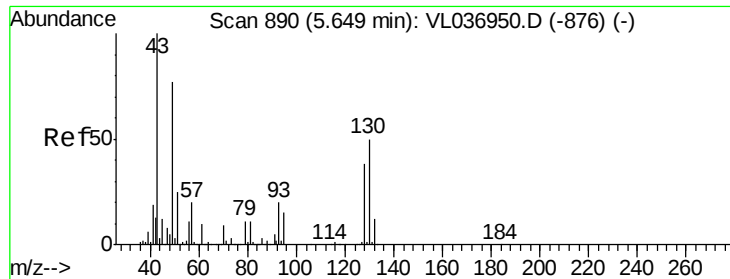
Instrument :
MSVOA_L
ClientSampleId :
KSV-02

Manual Integrations
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5/24/2021 3:02:32 PM

Quant Time: May 20 08:36:53 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





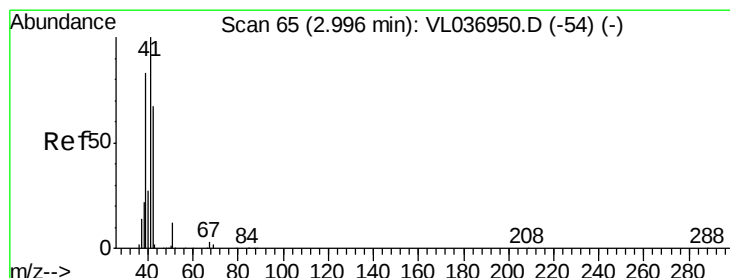
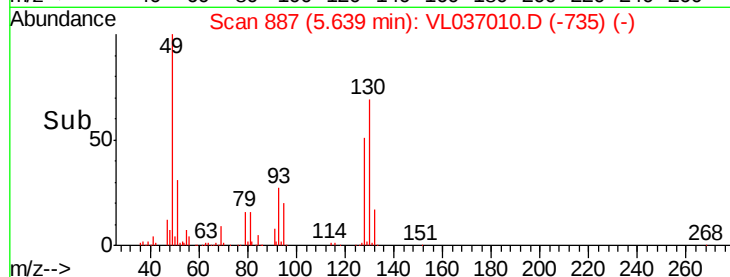
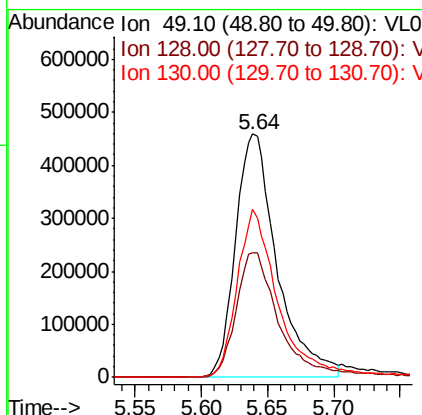
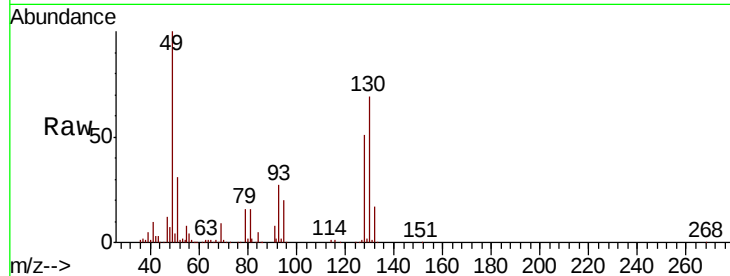
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: VL037010.D
 Acq: 20 May 2021 3:04

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02

Tot Ion: 49 Resp: 1000132
 Ion Ratio Lower Upper
 49 100
 128 54.9 26.9 80.7
 130 70.4 33.8 101.4

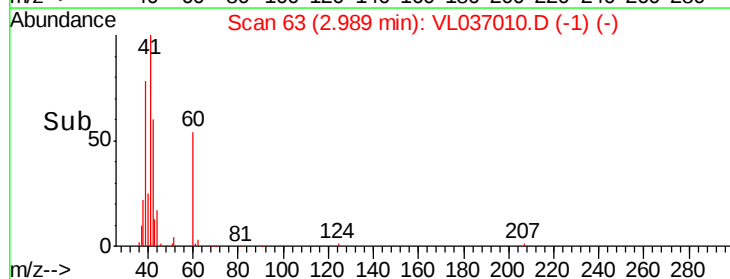
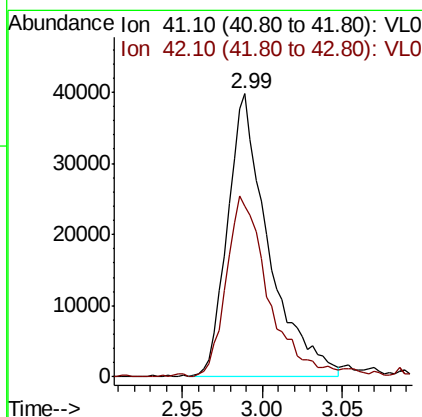
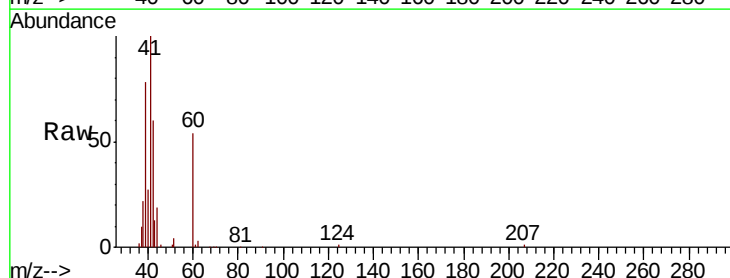
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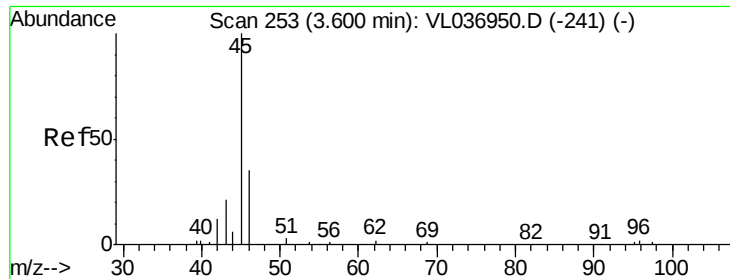
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#9
 Propene
 Concen: 1.067 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.01 min
 Lab File: VL037010.D
 Acq: 20 May 2021 3:04

Tgt Ion: 41 Resp: 70014
 Ion Ratio Lower Upper
 41 100
 42 68.2 53.9 80.9





#13

Ethanol

Concen: 12.406 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037010.D

Acq: 20 May 2021 3:04

Instrument :

MSVOA_L

ClientSampleId :

KSV-02

Tot Ion: 45 Resp: 108600

Ion Ratio Lower Upper

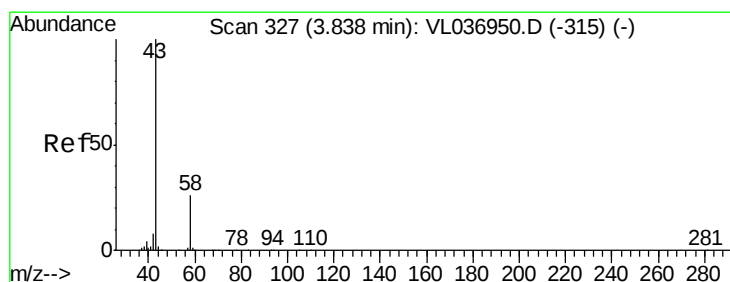
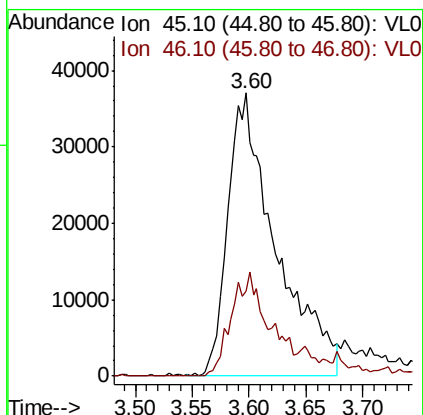
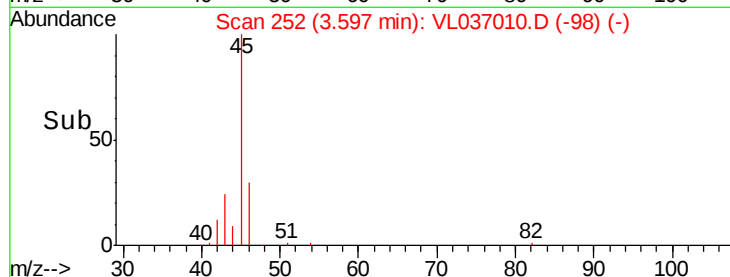
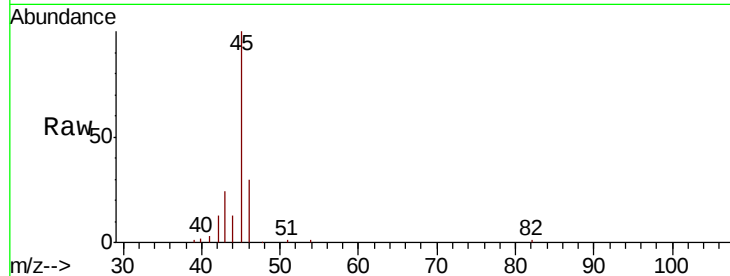
45 100

46 36.3 16.3 65.3

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#15

Acetone

Concen: 47.342 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL037010.D

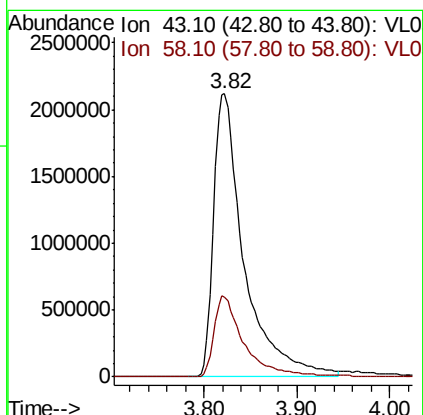
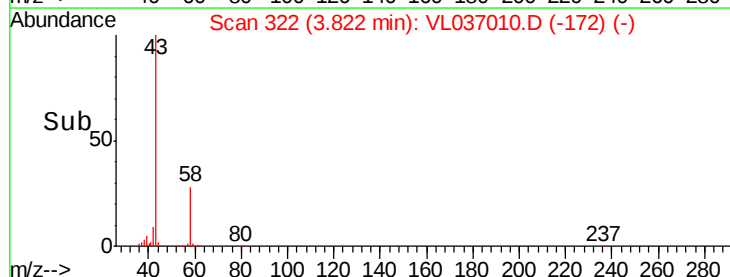
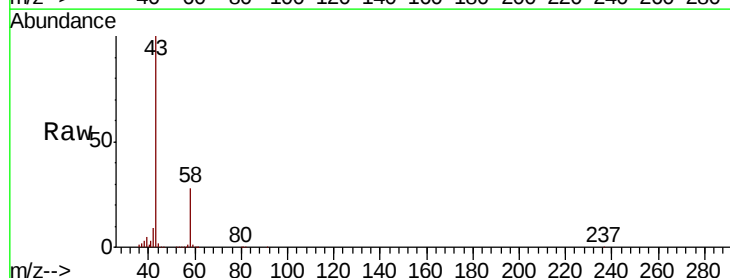
Acq: 20 May 2021 3:04

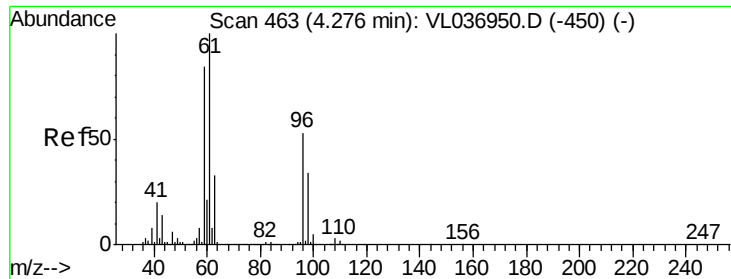
Tgt Ion: 43 Resp: 4849693

Ion Ratio Lower Upper

43 100

58 28.9 24.0 36.0





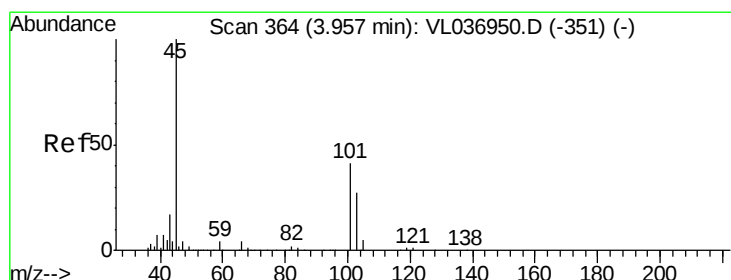
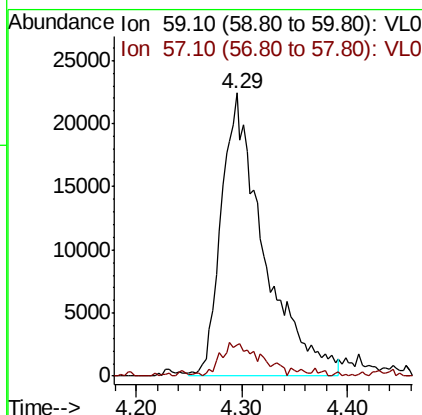
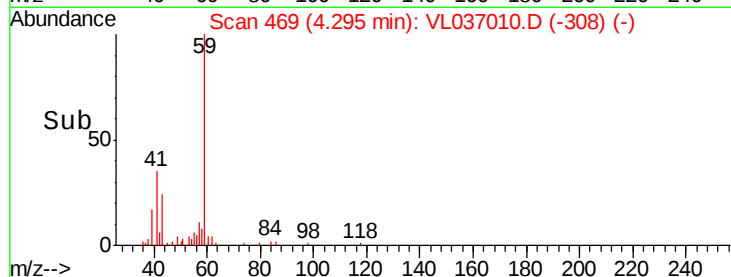
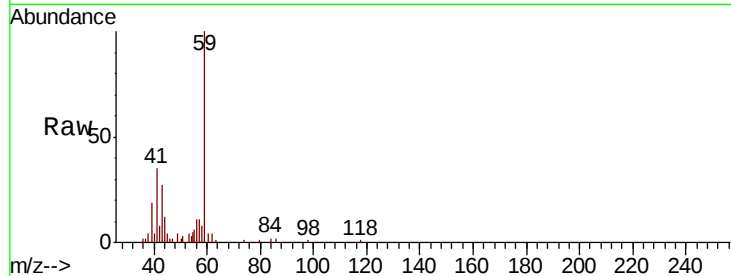
#17
tert-Butyl alcohol
Concen: 0.669 ppbv m
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Instrument :
MSVOA_L
ClientSampled :
KSV-02

Tot Ion: 59 Resp: 62773
Ion Ratio Lower Upper
59 100
57 12.4 8.3 12.5

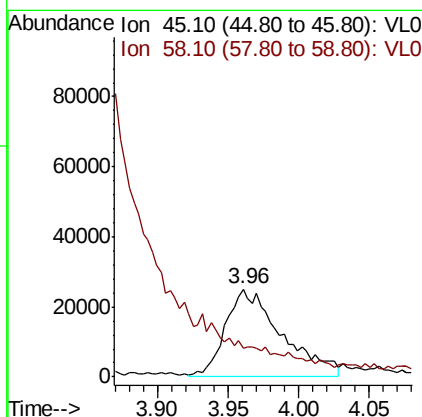
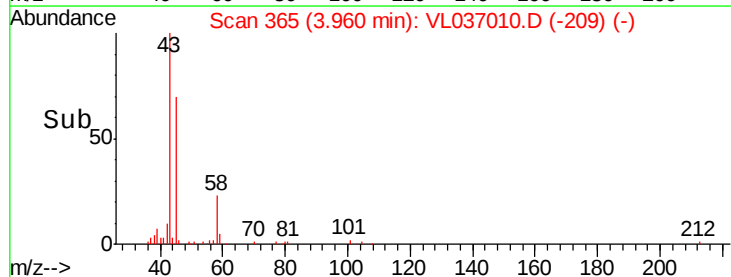
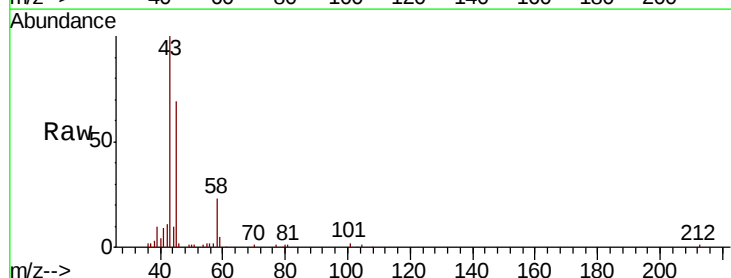
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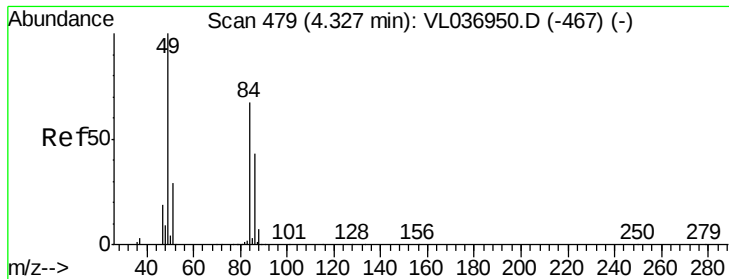
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#19
Isopropyl Alcohol
Concen: 1.262 ppbv m
RT: 3.96 min Scan# 365
Delta R.T. 0.00 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Tgt Ion: 45 Resp: 69481
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#





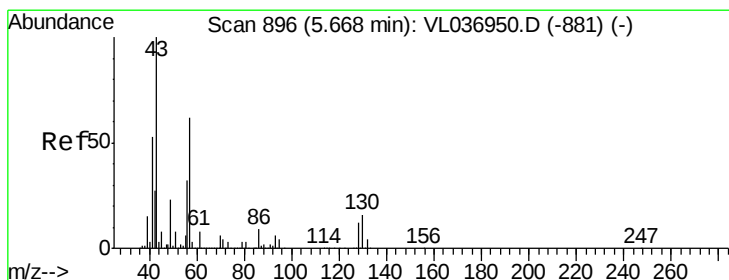
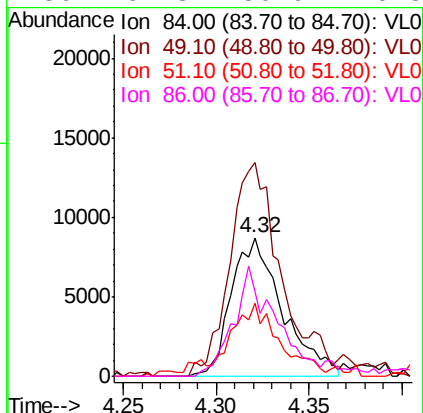
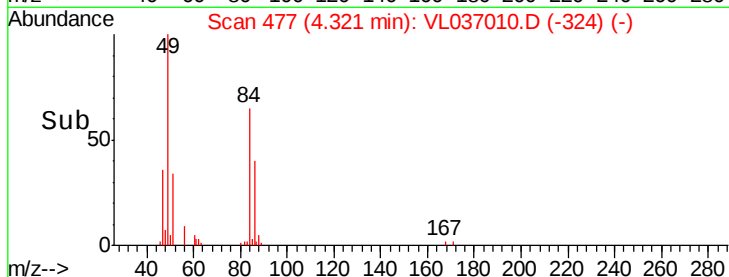
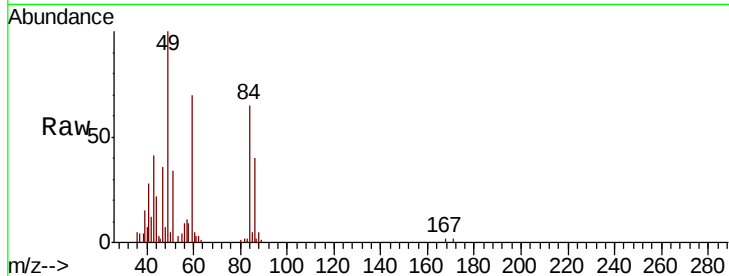
#20
Methvlene Chloride
Concen: 0.304 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Instrument :
MSVOA_L
ClientSampleId :
KSV-02

Tot Ion:	84	Resp:	16709
Ion	Ratio	Lower	Upper
84	100		
49	154.4	119.8	179.6
51	45.2	35.1	52.7
86	61.3	50.9	76.3

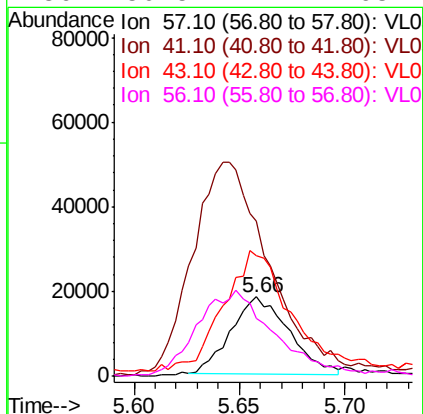
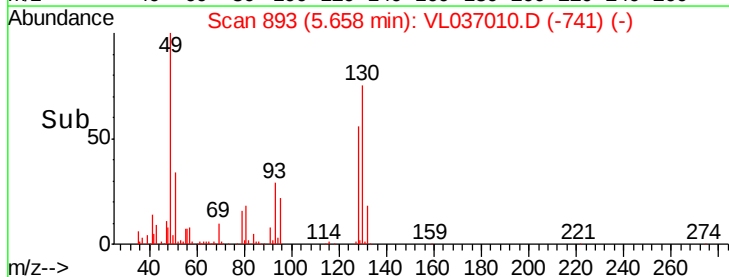
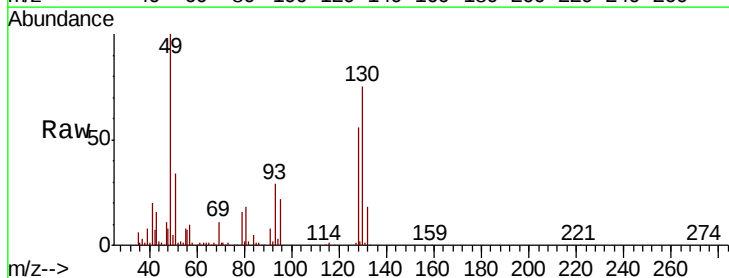
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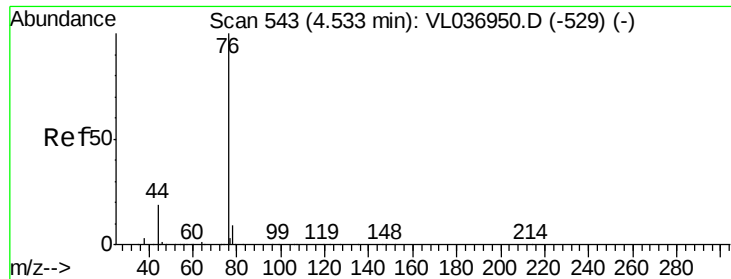
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#26
Hexane
Concen: 0.282 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Tgt Ion:	57	Resp:	35435
Ion	Ratio	Lower	Upper
57	100		
41	376.8	70.5	105.7#
43	202.8	165.8	248.8
56	150.5	42.2	63.4#





#27

Carbon Disulfide

Concen: 13.158 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL037010.D

Acq: 20 May 2021 3:04

Instrument :

MSVOA_L

ClientSampleId :

KSV-02

Tot Ion: 76 Resp: 1667652

Ion Ratio Lower Upper

76 100

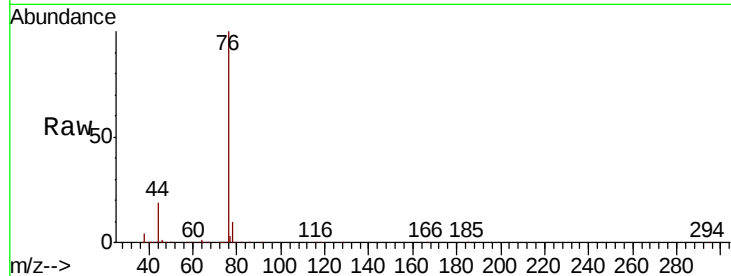
44 18.9 15.5 23.3

78 9.2 7.8 11.6

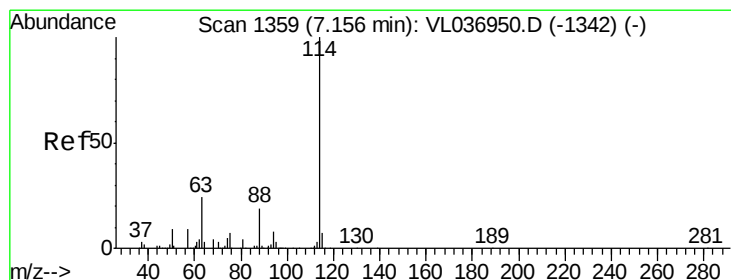
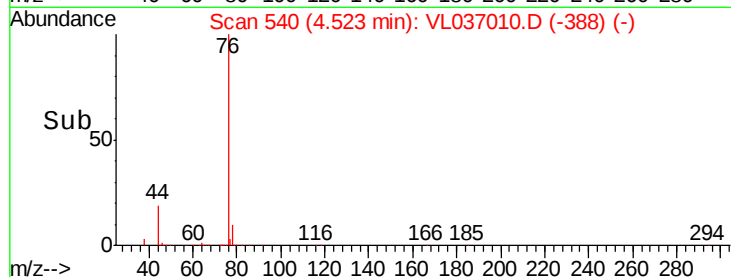
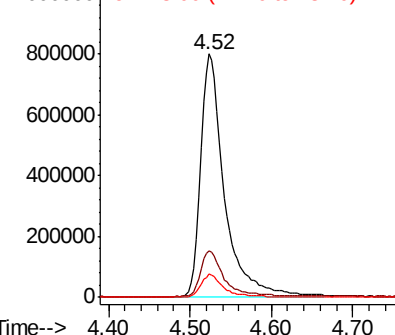
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VL037010.D

Acq: 20 May 2021 3:04

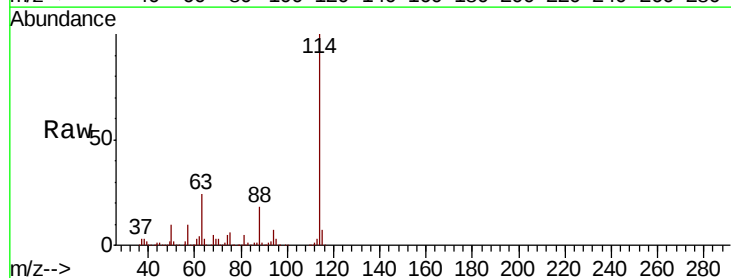
Tgt Ion: 114 Resp: 2945794

Ion Ratio Lower Upper

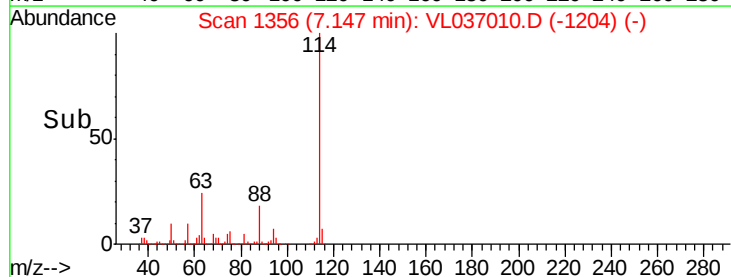
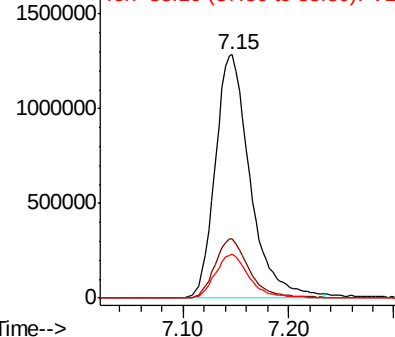
114 100

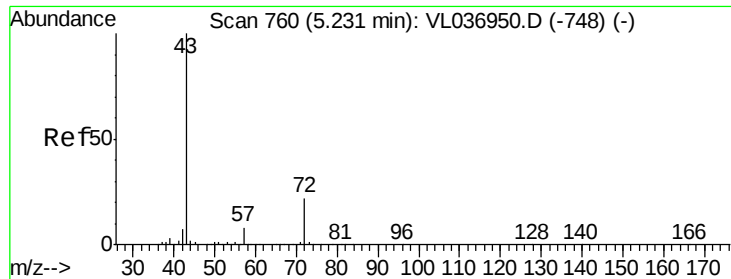
63 24.3 19.6 29.4

88 17.8 14.6 21.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





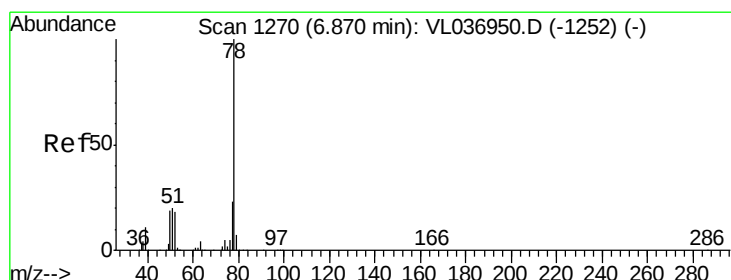
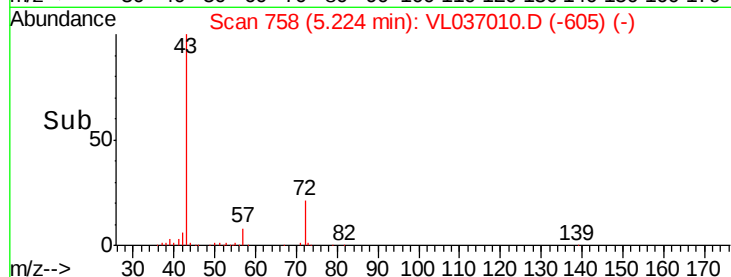
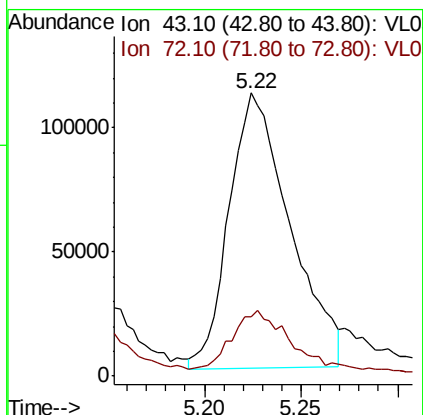
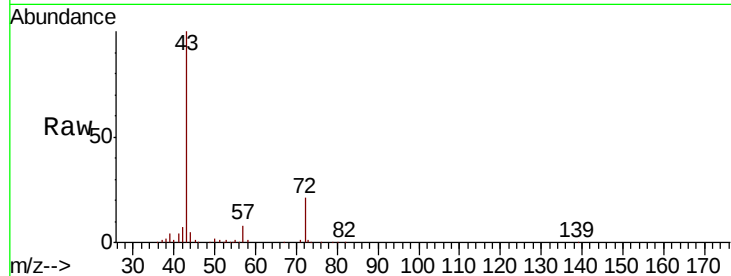
#34
2-Butanone
Concen: 2.262 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Instrument :
MSVOA_L
ClientSampled :
KSV-02

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.9	19.0	28.4

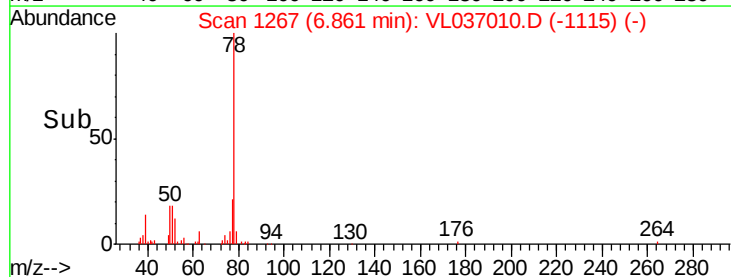
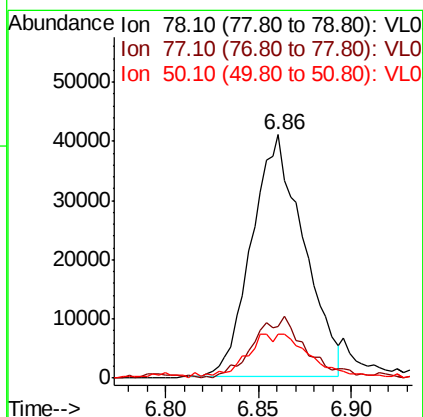
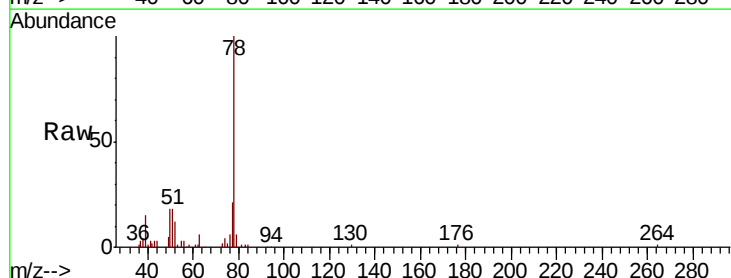
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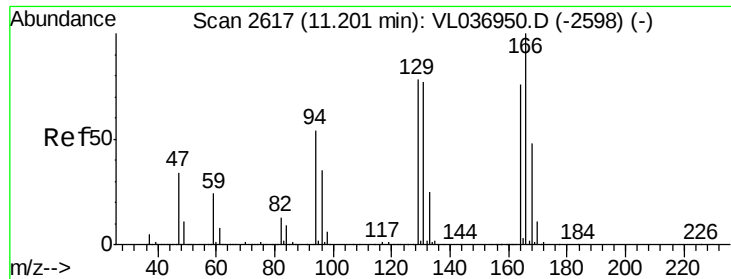
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#36
Benzene
Concen: 0.316 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.6	28.0
50	18.2	15.0	22.4





#52

Tetrachloroethene

Concen: 0.060 ppbv m

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL037010.D

Acq: 20 May 2021 3:04

Instrument :

MSVOA_L

ClientSampleId :

KSV-02

Tot Ion:164 Resp: 6039

Ion Ratio Lower Upper

164 100

166 116.0 105.5 158.3

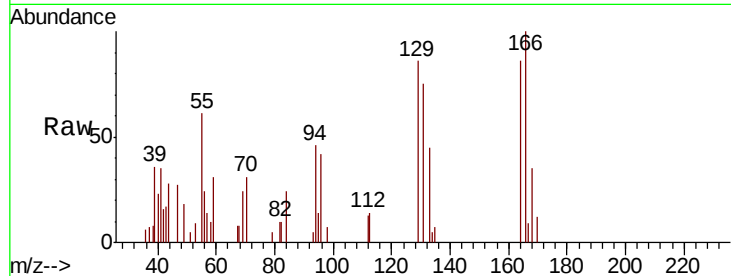
129 100.0 81.8 122.8

131 87.2 81.2 121.8

Manual Integrations
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MMDadoda

5/24/2021 3:02:32 PM

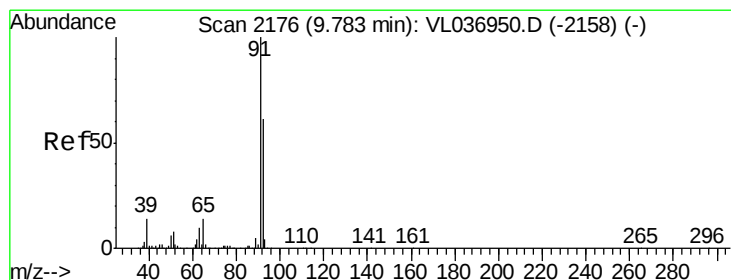
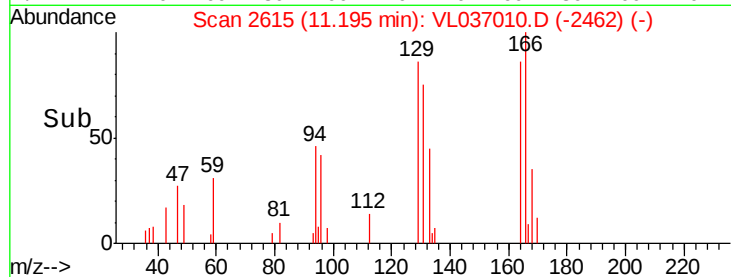
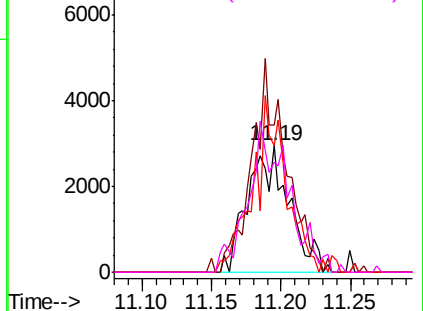


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.287 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL037010.D

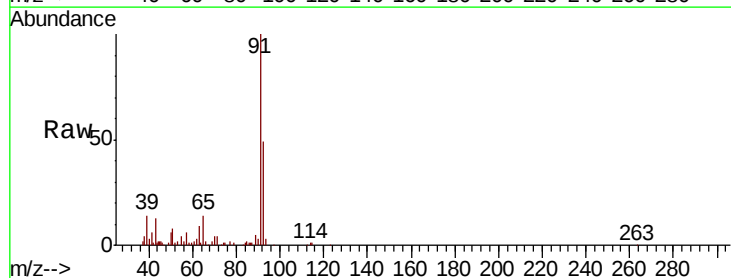
Acq: 20 May 2021 3:04

Tgt Ion: 91 Resp: 86667

Ion Ratio Lower Upper

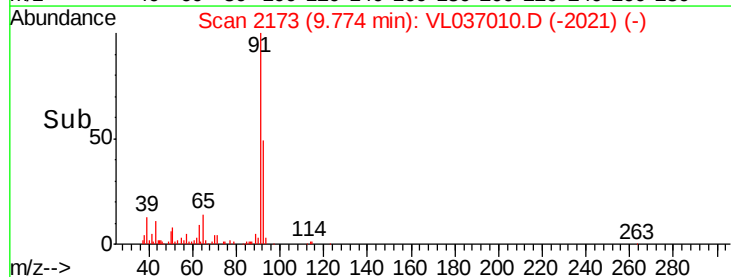
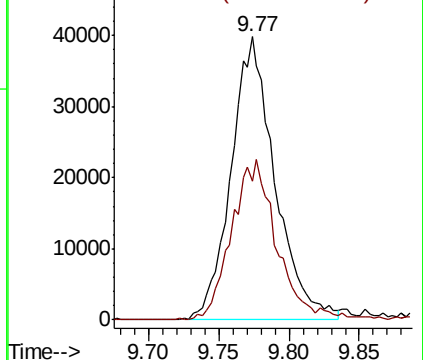
91 100

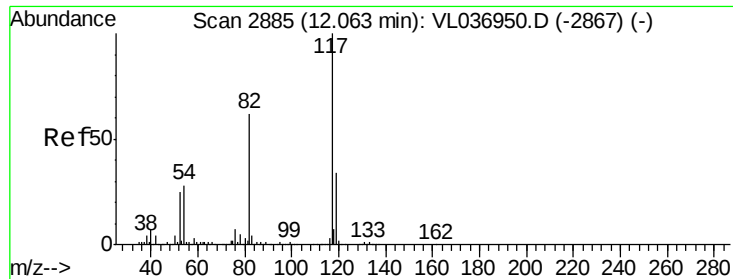
92 59.0 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





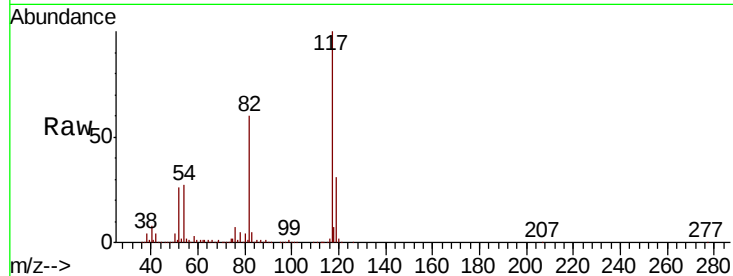
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Instrument :
MSVOA_L
ClientSampled :
KSV-02

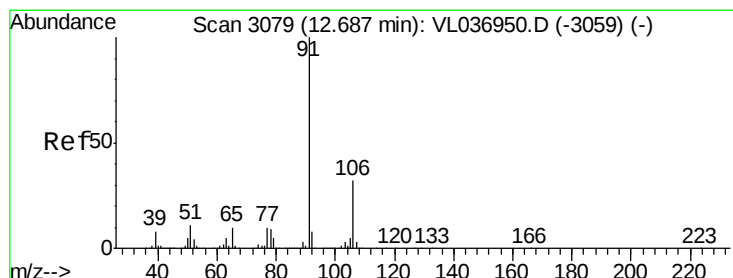
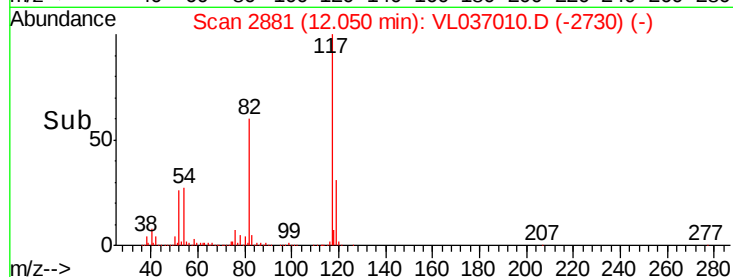
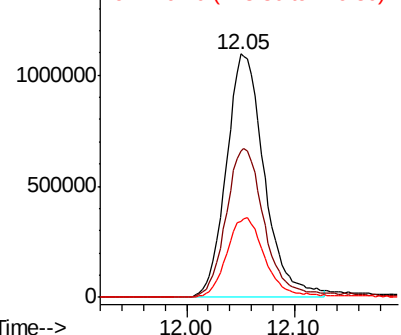
Tot Ion:117 Resp: 2685566
Ion Ratio Lower Upper
117 100
82 64.5 52.6 79.0
119 33.5 46.6 70.0#

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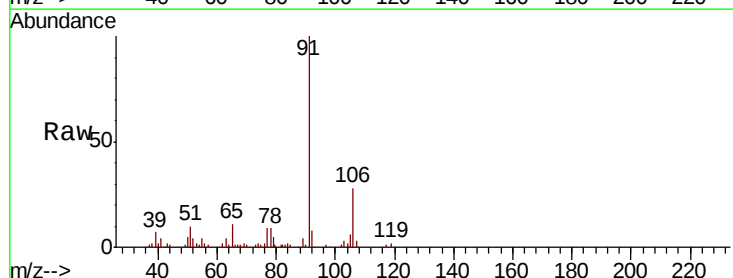


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

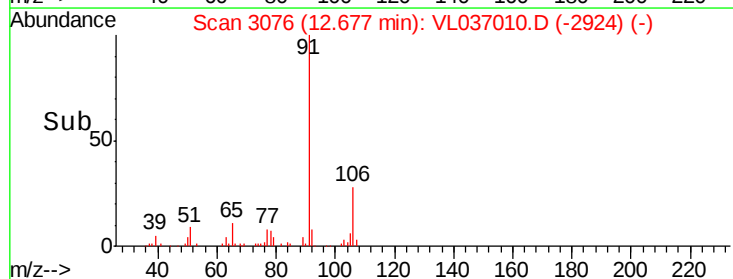
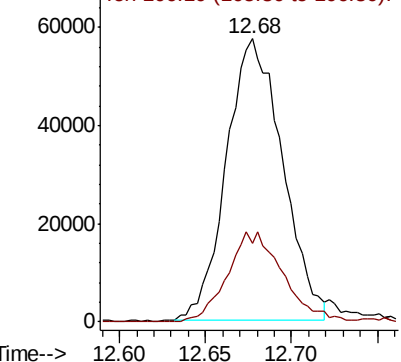


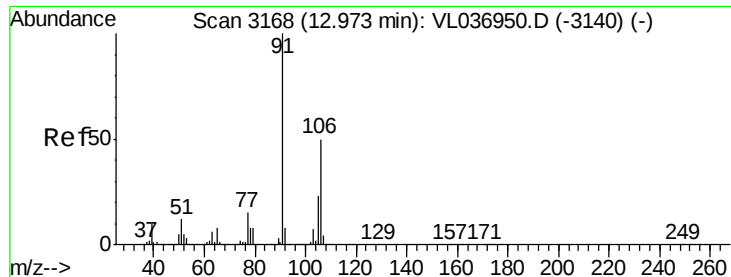
#58
Ethyl Benzene
Concen: 0.345 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Tgt Ion: 91 Resp: 130654
Ion Ratio Lower Upper
91 100
106 27.8 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





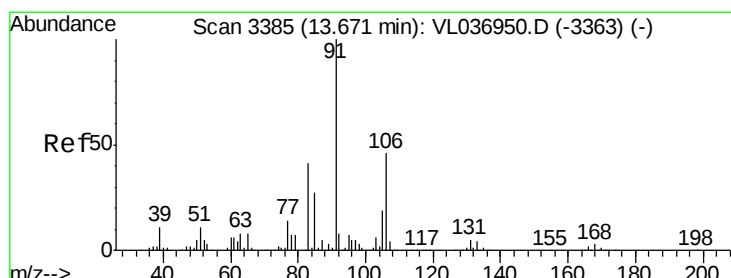
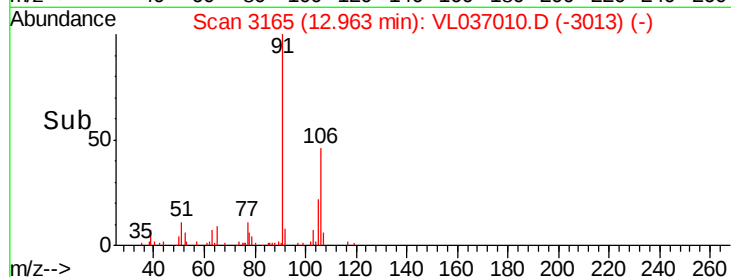
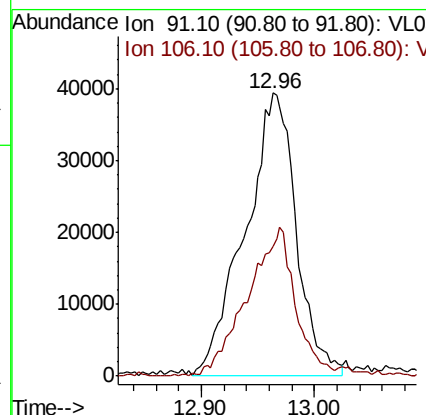
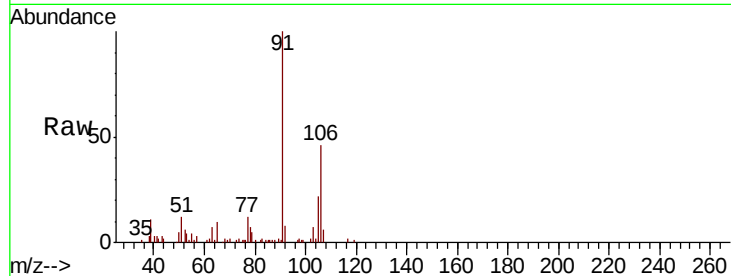
#59
m/p-Xylene
Concen: 0.396 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Instrument :
MSVOA_L
ClientSampled :
KSV-02

Tot Ion	91	Resp	123943
Ion Ratio	Lower	Upper	
91	100		
106	51.1	37.4	56.2

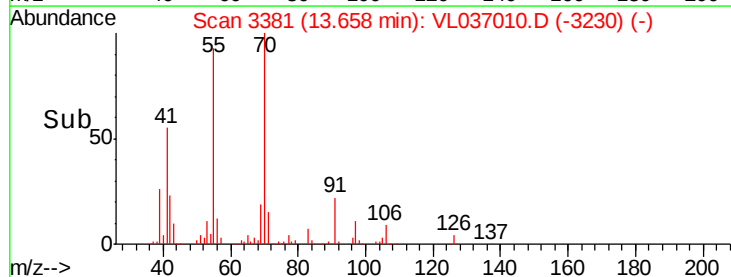
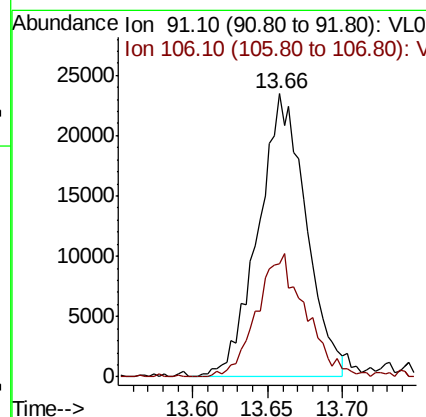
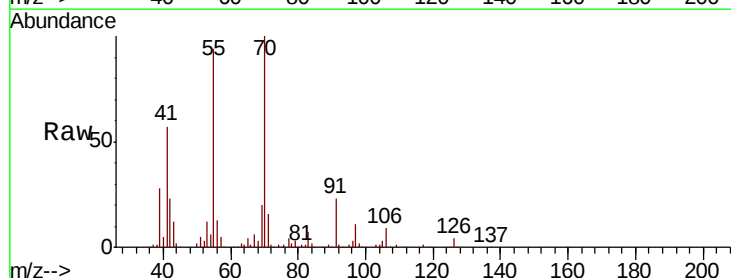
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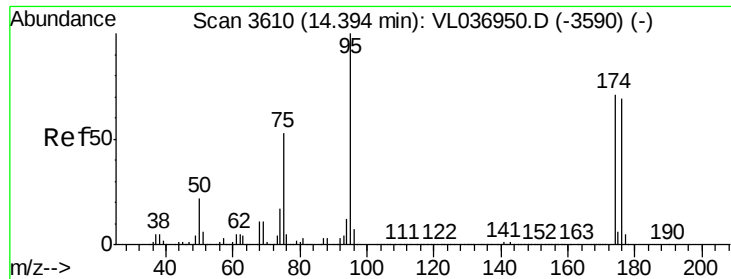
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#60
o-Xylene
Concen: 0.175 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL037010.D
Acq: 20 May 2021 3:04

Tgt Ion	91	Resp	52273
Ion Ratio	Lower	Upper	
91	100		
106	45.0	23.4	70.3





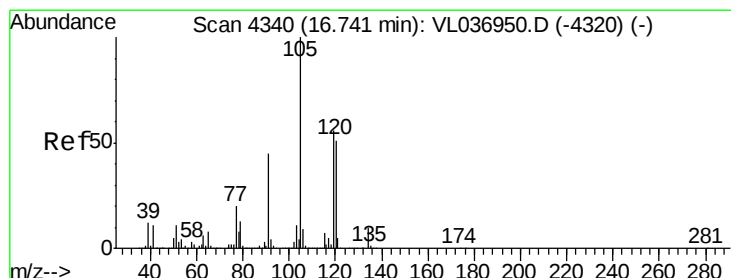
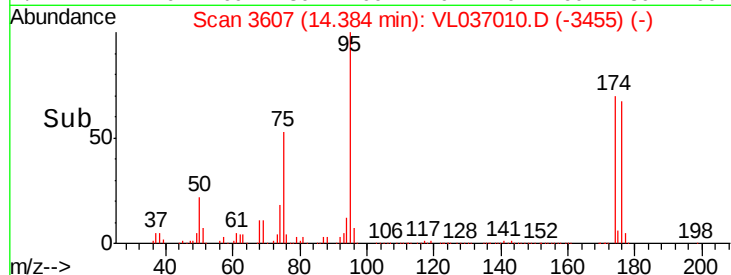
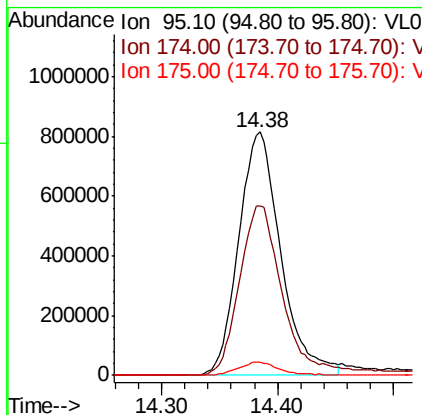
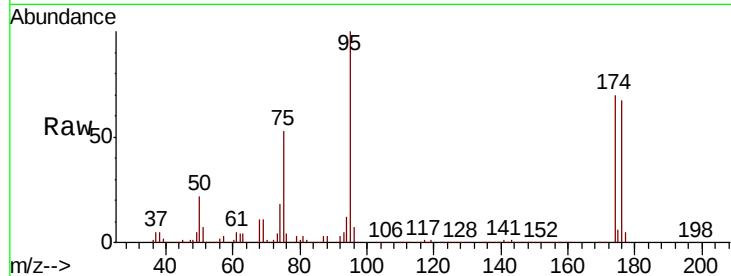
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.181 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.01 min
 Lab File: VL037010.D
 Acq: 20 May 2021 3:04

Instrument :
 MSVOA_L
 ClientSampleID :
 KSV-02

Tot Ion: 95 Resp: 2054017
 Ion Ratio Lower Upper
 95 100
 174 75.5 58.4 87.6
 175 5.4 4.4 6.6

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.131 ppbv m
 RT: 16.73 min Scan# 4336
 Delta R.T. -0.01 min
 Lab File: VL037010.D
 Acq: 20 May 2021 3:04

Tgt Ion: 105 Resp: 45281
 Ion Ratio Lower Upper
 105 100
 120 41.2 40.6 61.0
 91 16.7 37.4 56.0#
 77 16.7 16.2 24.4

