

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036999.D
 Acq On : 19 May 2021 19:47
 Operator : SY/AP
 Sample : M2424-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Manual Integrations
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 5/24/2021 3:01:50 PM

Quant Time: May 22 22:11:15 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	1108130	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3427257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3307461	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2584380	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	32880	0.175	ppbv	93
3) Chlorodifluoromethane	2.97	51	61152	0.301	ppbv #	88
4) Chloromethane	3.12	50	104622	1.514	ppbv	91
9) Propene	3.00	41	303354	4.173	ppbv	99
10) Heptane	8.10	43	1465373	8.089	ppbv	100
11) Trichlorofluoromethane	3.93	101	70627	0.406	ppbv	97
13) Ethanol	3.59	45	1010461	104.179	ppbv	92
15) Acetone	3.83	43	14534972	128.059	ppbv #	88
17) tert-Butyl alcohol	4.29	59	235511	2.265	ppbv #	91
19) Isopropyl Alcohol	3.96	45	282660	4.633	ppbv #	30
20) Methylene Chloride	4.33	84	1867559	30.695	ppbv	99
26) Hexane	5.66	57	1811981	13.005	ppbv #	43
27) Carbon Disulfide	4.53	76	114542	0.816	ppbv #	87
29) Chloroform	5.74	83	36411	0.185	ppbv	100
30) Cyclohexane	7.11	84	95275m	0.805	ppbv	
34) 2-Butanone	5.23	43	1451301	11.629	ppbv	98
35) Carbon Tetrachloride	7.00	117	8028m	0.035	ppbv	
36) Benzene	6.87	78	204990	0.694	ppbv	97
38) Trichloroethene	7.81	130	3890m	0.031	ppbv	
50) 4-Methyl-2-Pentanone	8.73	43	180781	0.878	ppbv	91
51) 2-Hexanone	10.11	43	408477	3.752	ppbv #	90
52) Tetrachloroethene	11.20	164	5964m	0.051	ppbv	
53) Toluene	9.78	91	2315276	6.591	ppbv	99
58) Ethyl Benzene	12.68	91	109905	0.235	ppbv	93
59) m/p-Xylene	12.94	91	202070m	0.524	ppbv	
60) o-Xylene	13.66	91	73844m	0.201	ppbv	
61) Styrene	13.51	104	71105	0.343	ppbv #	87
64) n-propylbenzene	15.55	120	19118m	0.140	ppbv	
72) 4-Ethyltoluene	15.82	105	102652m	0.235	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	154855	0.378	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	347378m	0.819	ppbv	

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

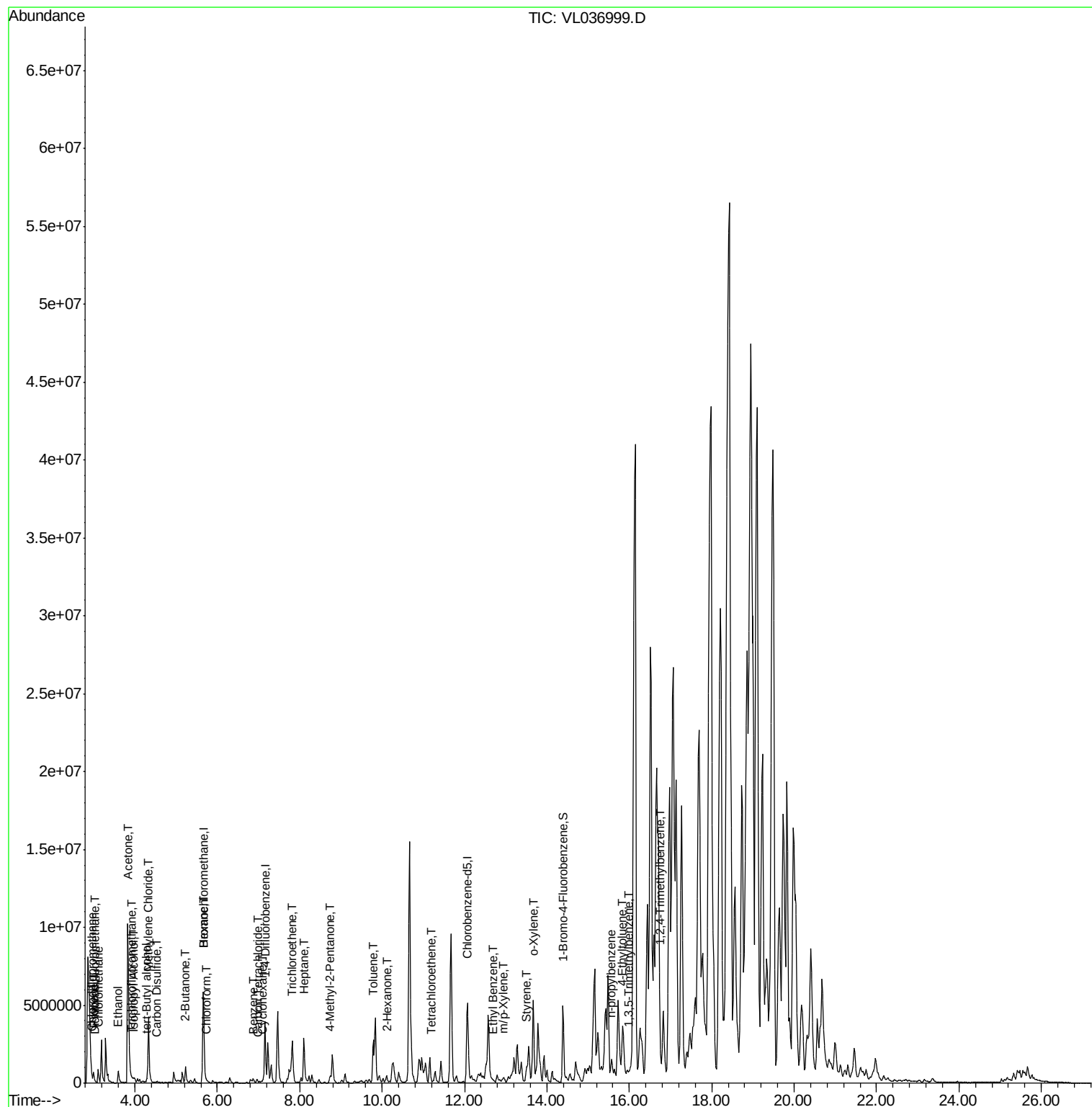
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL036999.D
Acq On : 19 May 2021 19:47
Operator : SY/AP
Sample : M2424-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

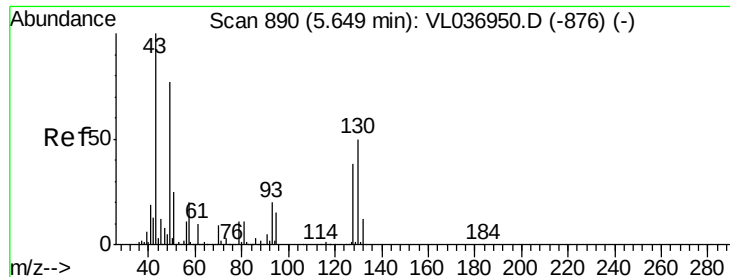
Instrument :
MSVOA_L
ClientSampleId :
KSV-03

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Quant Time: May 22 22:11:15 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: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

Tot Ion: 49 Resp: 1108130

Ion Ratio Lower Upper

49 100

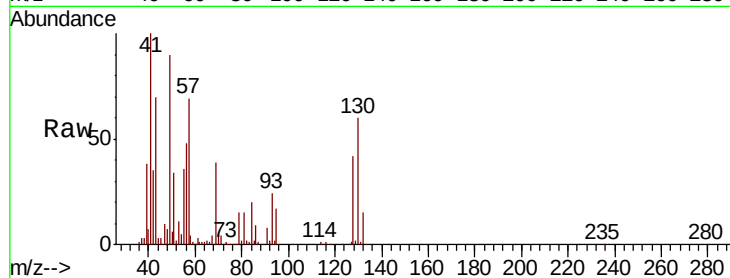
128 51.7 26.9 80.7

130 67.5 33.8 101.4

Manual Integrations
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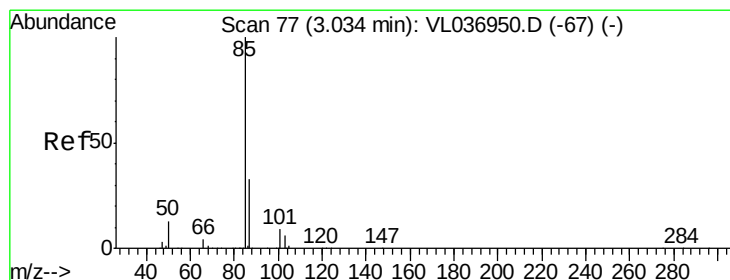
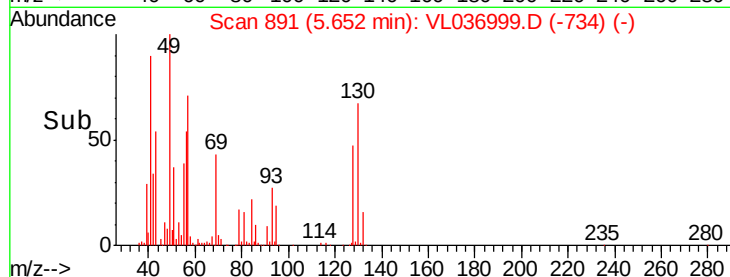
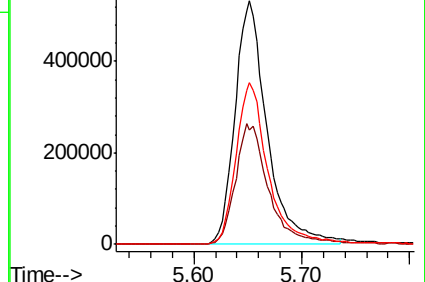
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.175 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036999.D

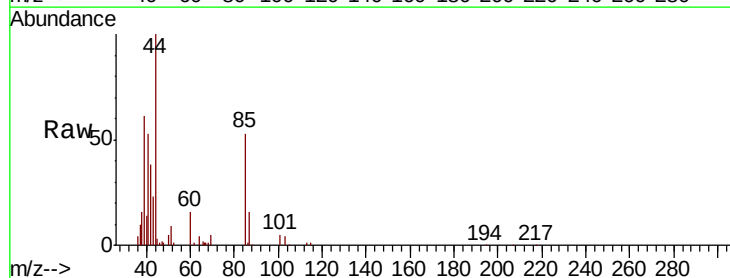
Acq: 19 May 2021 19:47

Tgt Ion: 85 Resp: 32880

Ion Ratio Lower Upper

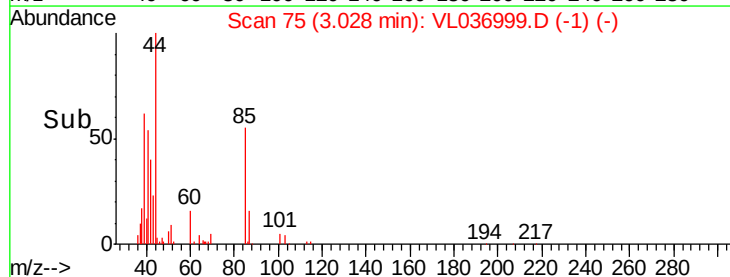
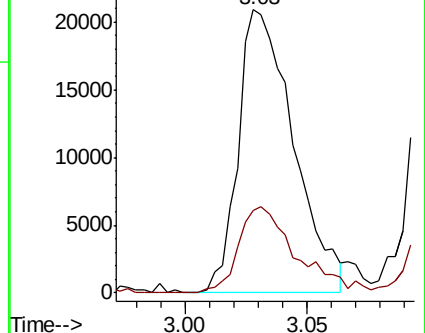
85 100

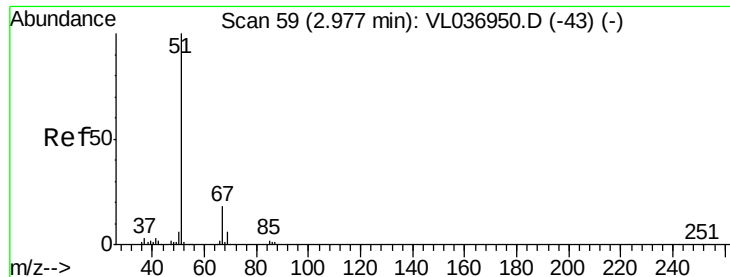
87 29.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.301 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

Tot Ion: 51 Resp: 61152

Ion Ratio Lower Upper

51 100

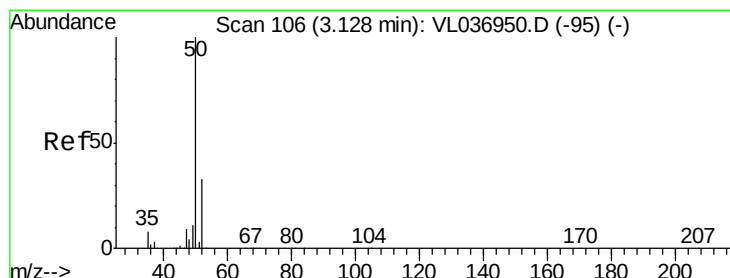
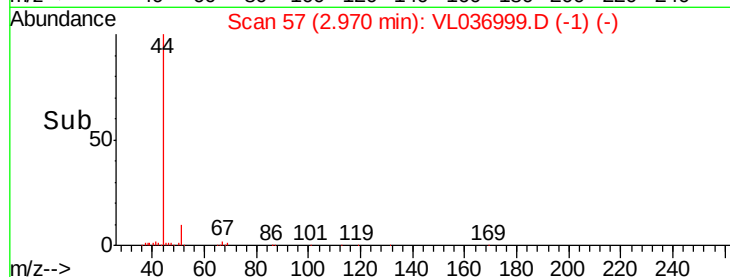
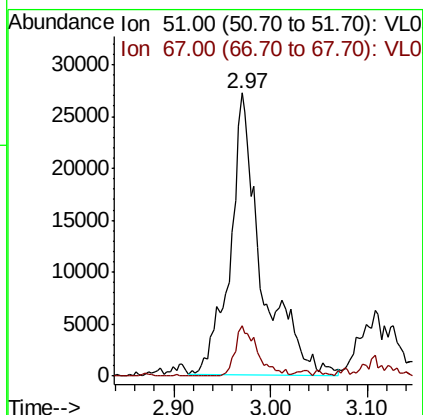
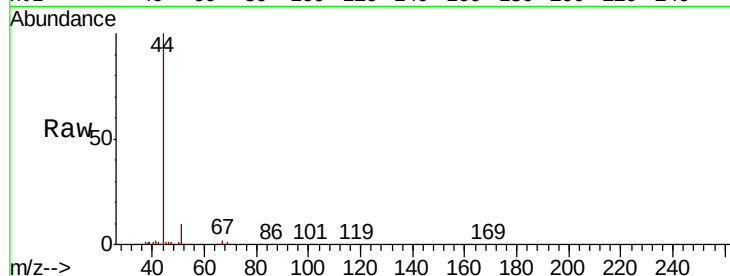
67 12.8 14.6 21.8#

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#4

Chloromethane

Concen: 1.514 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036999.D

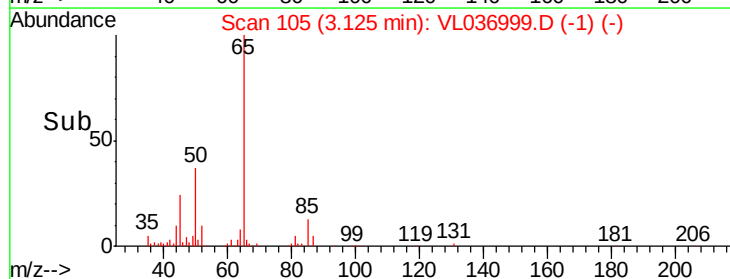
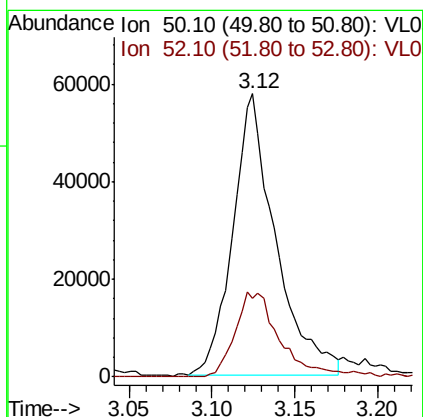
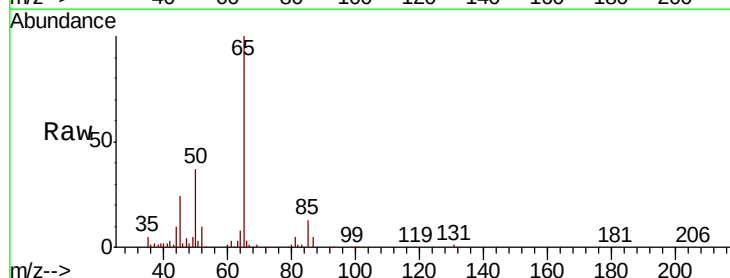
Acq: 19 May 2021 19:47

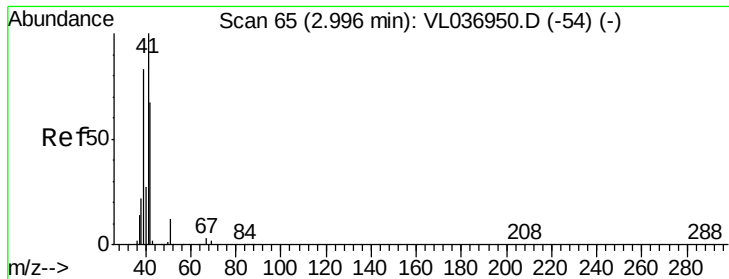
Tgt Ion: 50 Resp: 104622

Ion Ratio Lower Upper

50 100

52 27.6 26.1 39.1





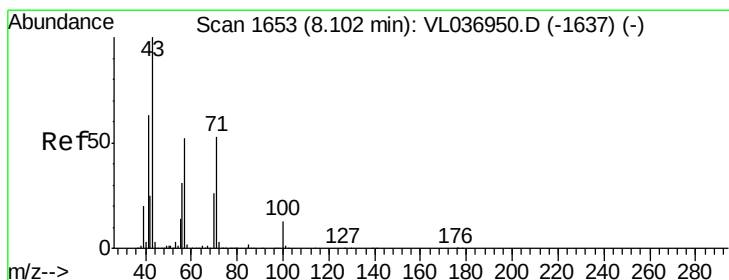
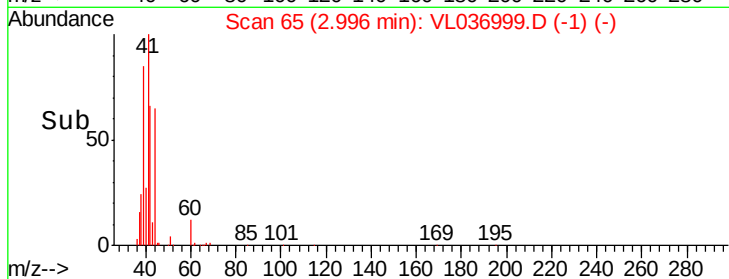
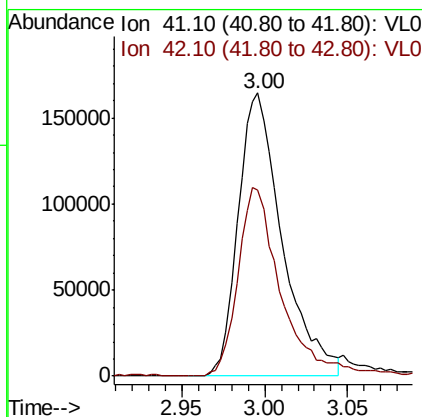
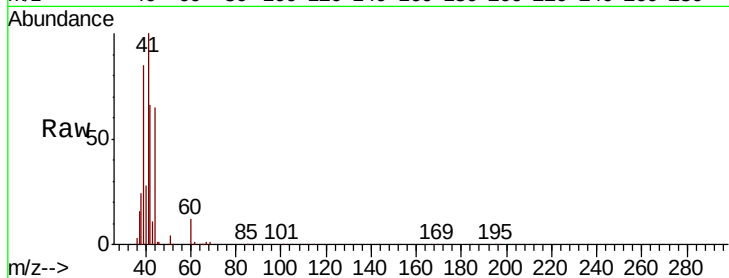
#9
 Propene
 Concen: 4.173 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Tot Ion: 41 Resp: 303354
 Ion Ratio Lower Upper
 41 100
 42 66.5 53.9 80.9

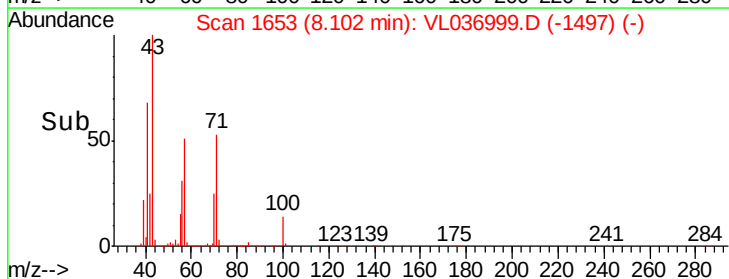
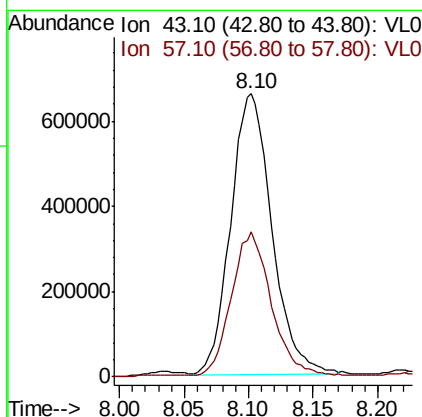
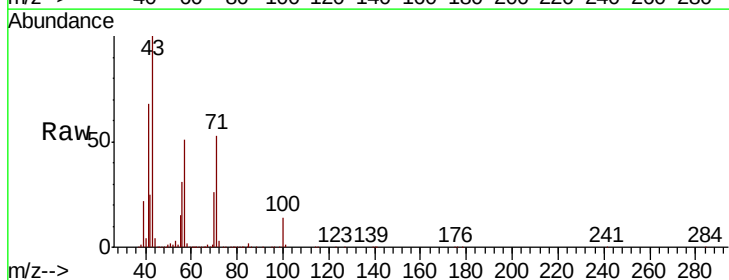
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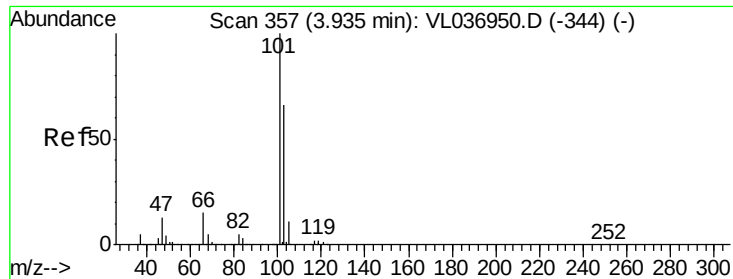
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#10
 Heptane
 Concen: 8.089 ppbv
 RT: 8.10 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 43 Resp: 1465373
 Ion Ratio Lower Upper
 43 100
 57 51.0 41.0 61.6





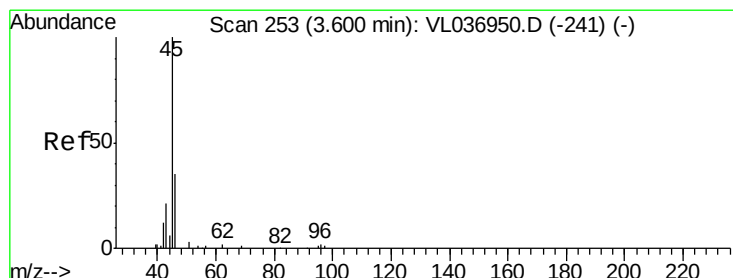
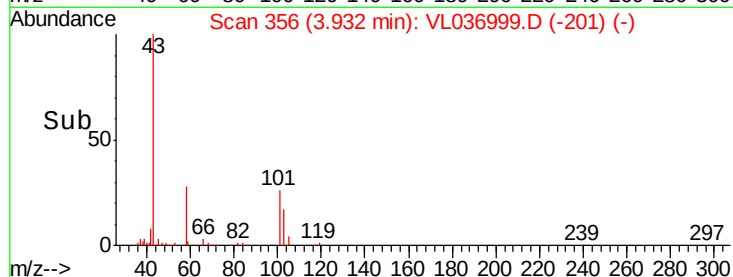
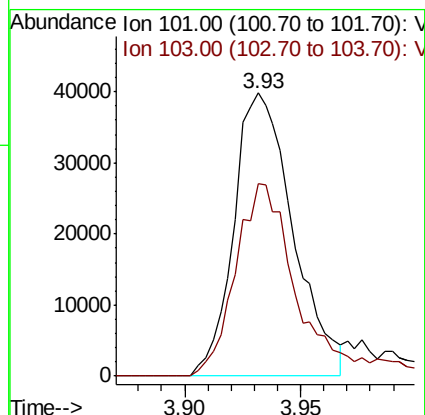
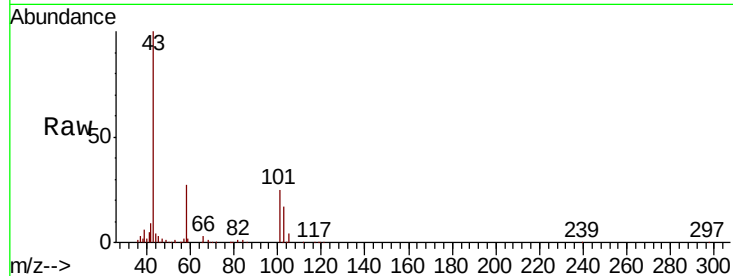
#11
 Trichlorofluoromethane
 Concen: 0.406 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Tot Ion:101 Resp: 70627
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.6 79.0

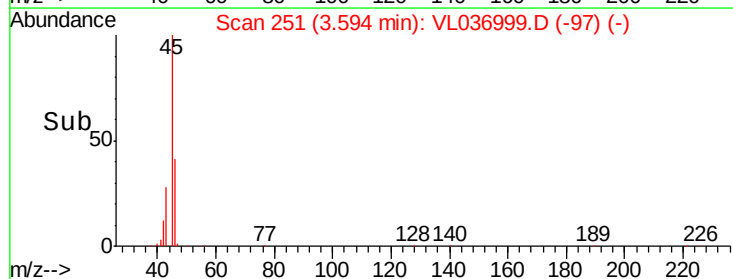
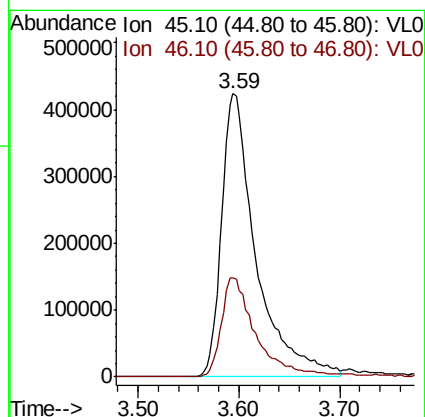
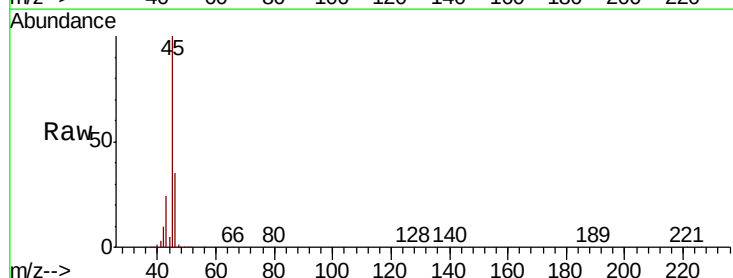
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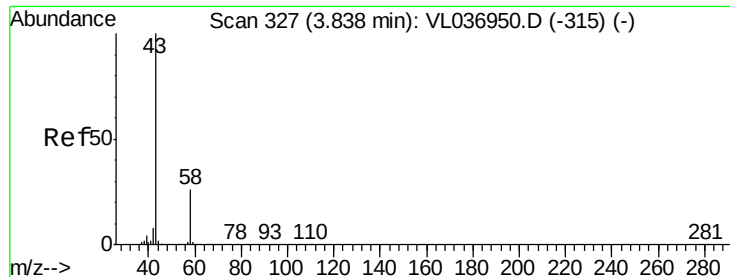
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#13
 Ethanol
 Concen: 104.179 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 45 Resp: 1010461
 Ion Ratio Lower Upper
 45 100
 46 35.7 16.3 65.3





#15

Acetone

Concen: 128.059 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampled :

KSV-03

Tot Ion: 43 Resp: 14534972

Ion Ratio Lower Upper

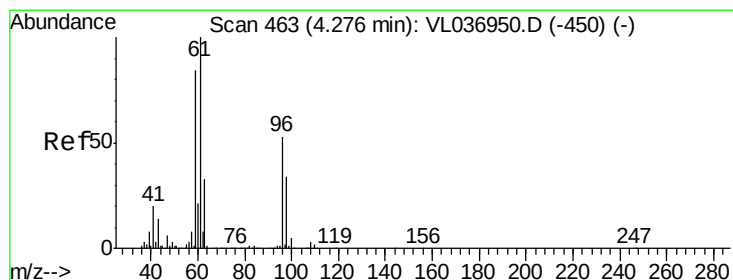
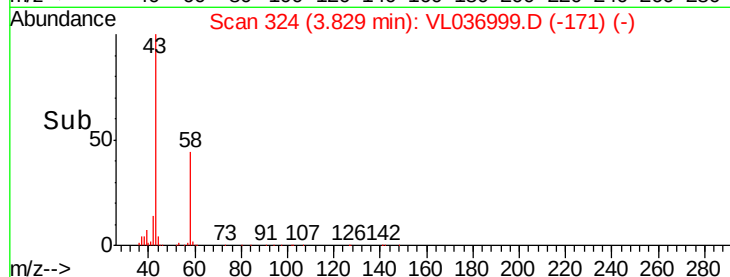
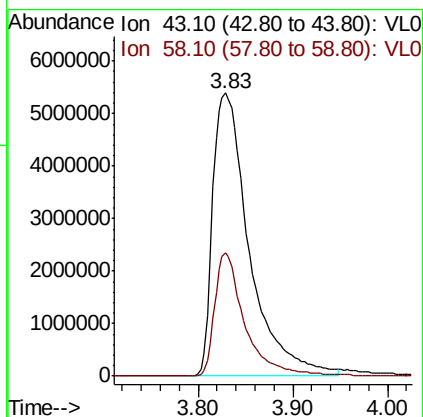
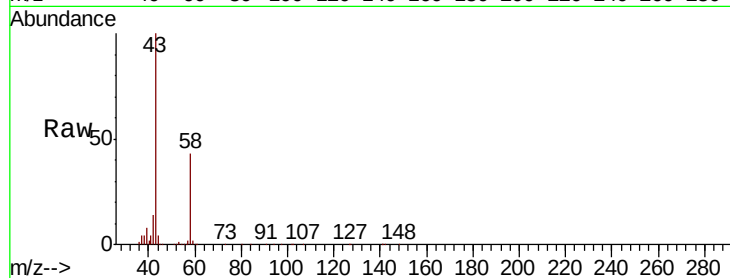
43 100

58 36.3 24.0 36.0#

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 2.265 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL036999.D

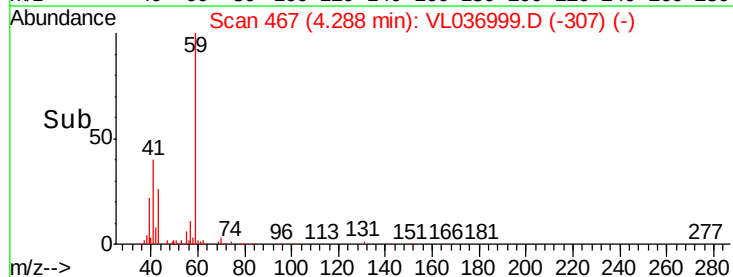
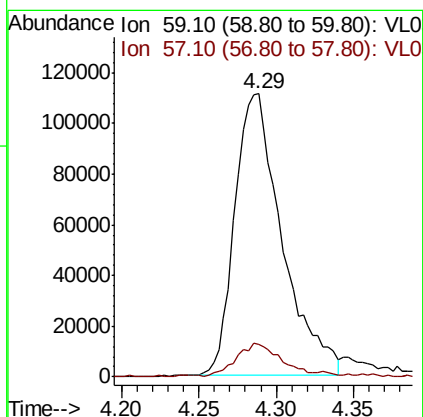
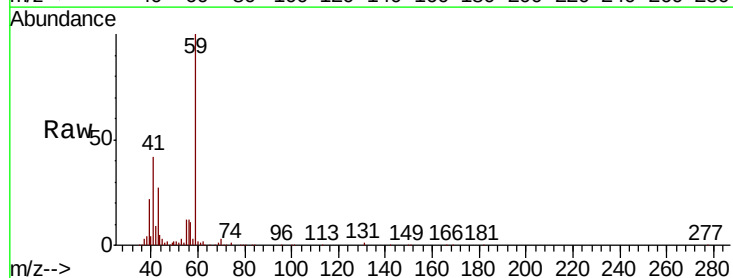
Acq: 19 May 2021 19:47

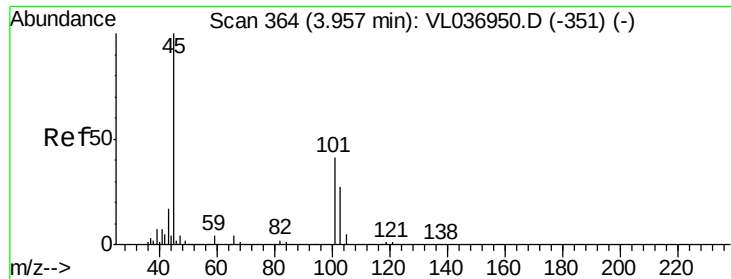
Tgt Ion: 59 Resp: 235511

Ion Ratio Lower Upper

59 100

57 13.6 8.3 12.5#





#19

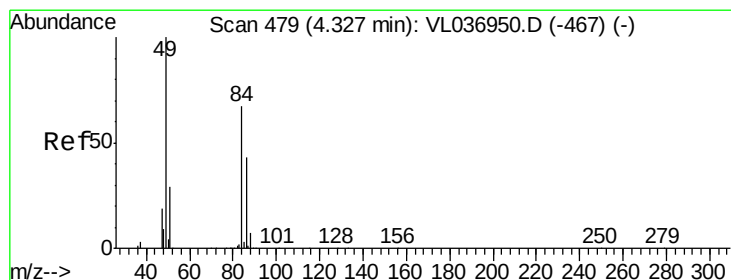
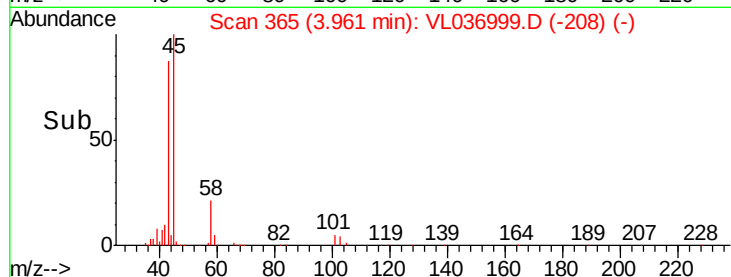
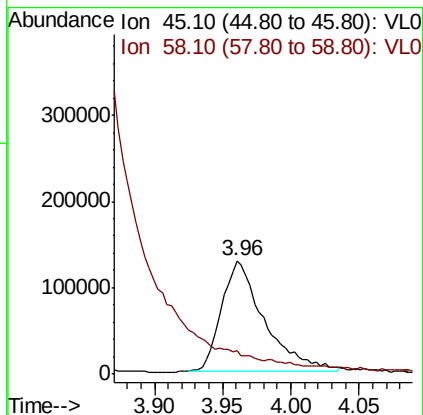
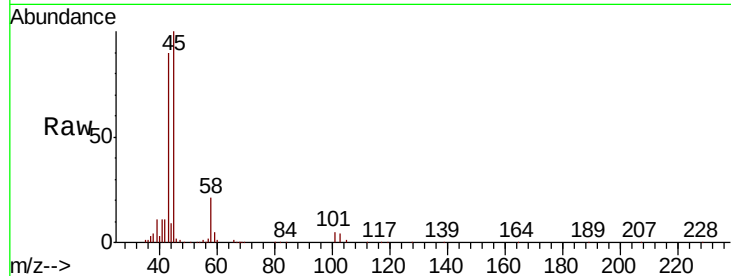
Isopropyl Alcohol
 Concen: 4.633 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Tot Ion: 45 Resp: 282660
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#

Manual Integrations
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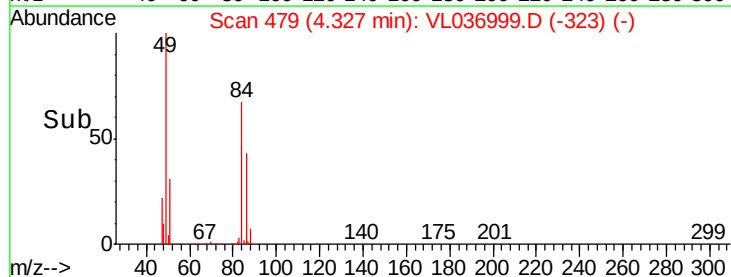
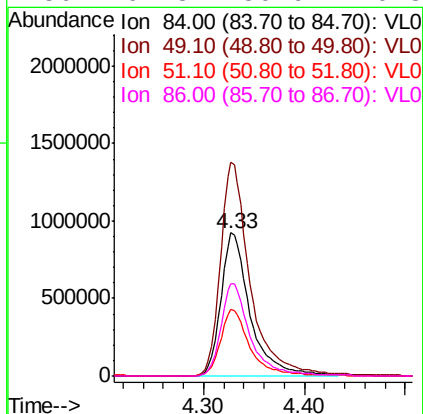
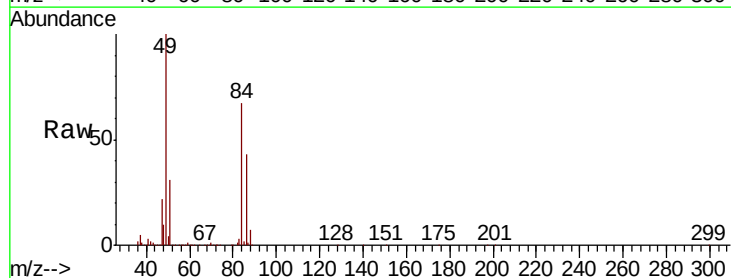
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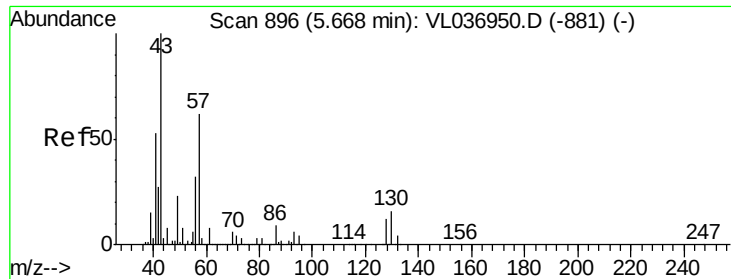


#20

Methylene Chloride
 Concen: 30.695 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 84 Resp: 1867559
 Ion Ratio Lower Upper
 84 100
 49 149.4 119.8 179.6
 51 46.7 35.1 52.7
 86 64.8 50.9 76.3





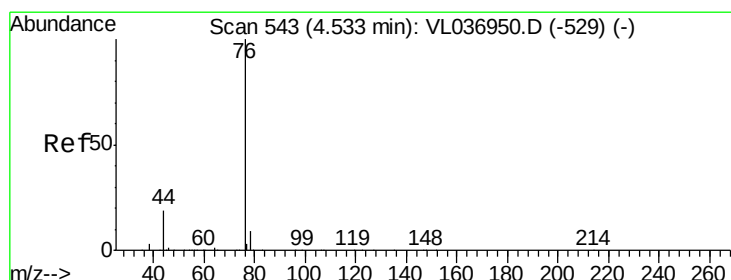
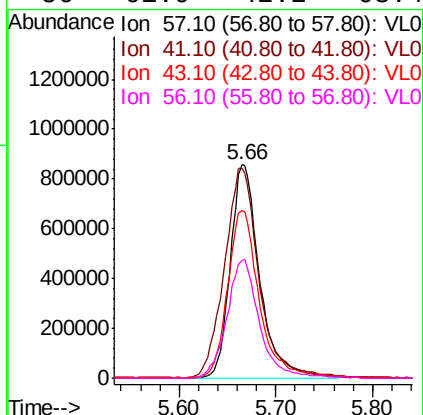
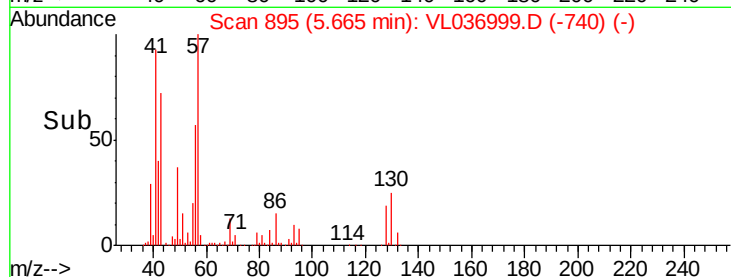
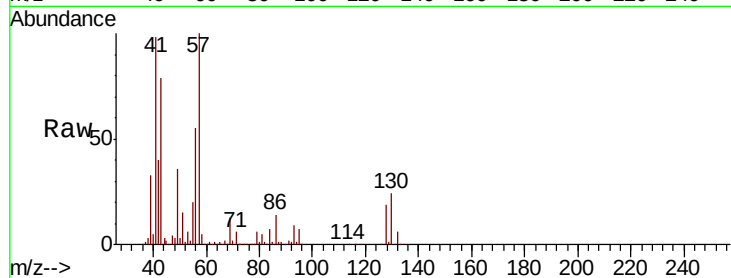
#26
Hexane
Concen: 13.005 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Instrument :
MSVOA_L
ClientSampled :
KSV-03

Tot Ion: 57 Resp: 1811981
Ion Ratio Lower Upper
57 100
41 117.1 70.5 105.7#
43 84.8 165.8 248.8#
56 61.9 42.2 63.4

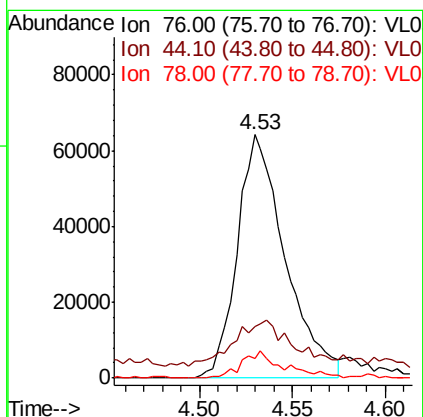
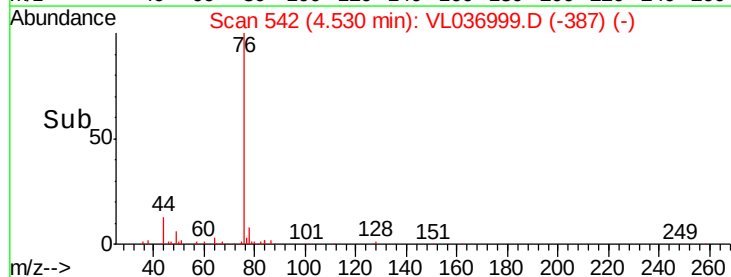
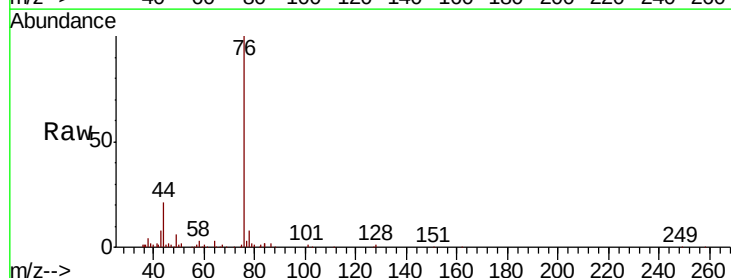
Manual Integrations
APPROVED

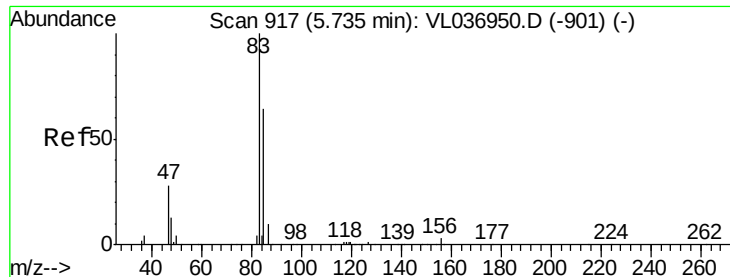
MMDadoda
5/24/2021 3:01:50 PM



#27
Carbon Disulfide
Concen: 0.816 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 76 Resp: 114542
Ion Ratio Lower Upper
76 100
44 27.2 15.5 23.3#
78 11.0 7.8 11.6





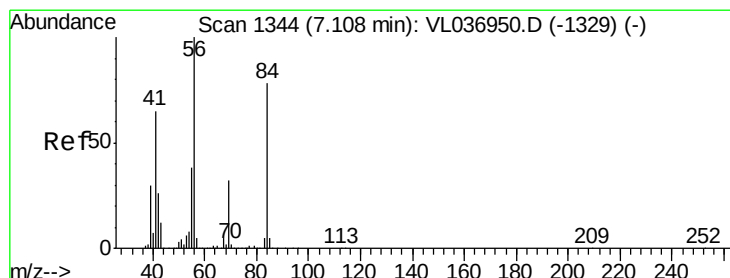
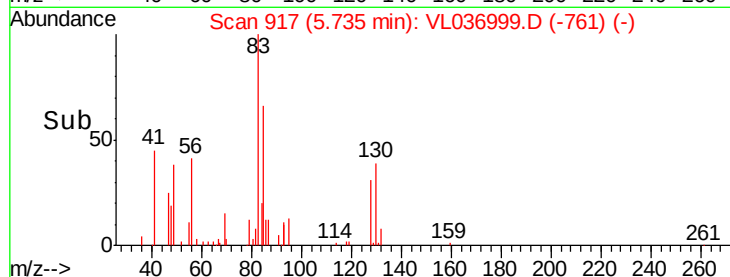
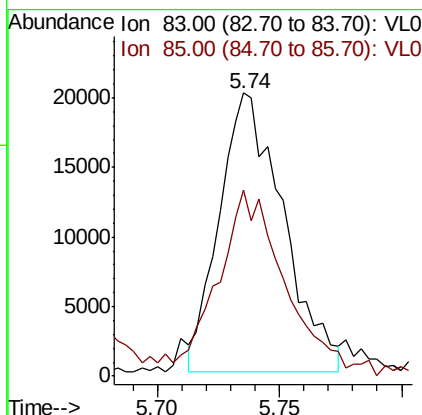
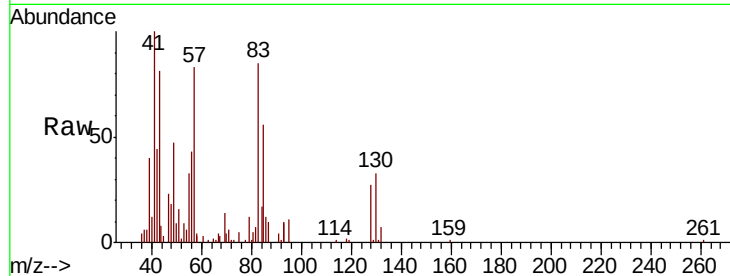
#29
Chloroform
Concen: 0.185 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
KSV-03

Tot Ion	83	Resp	36411
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.1	76.7

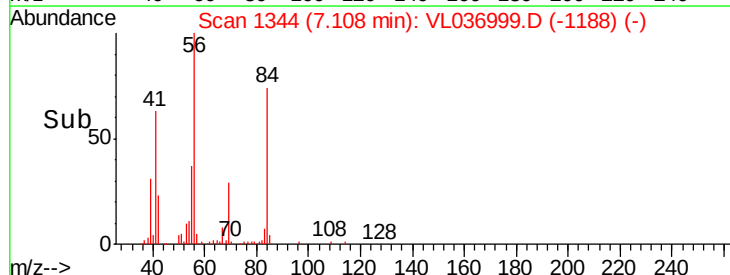
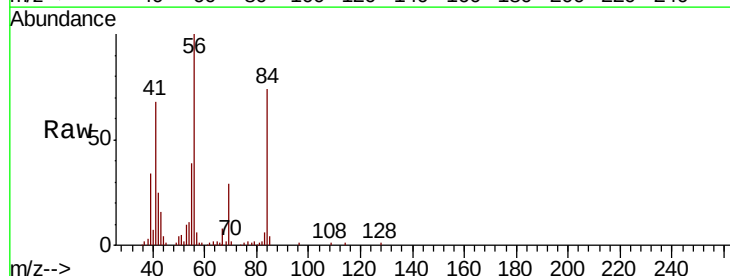
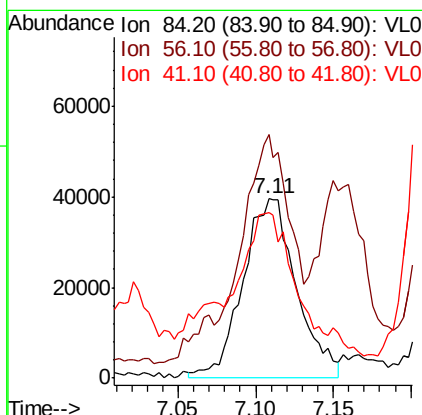
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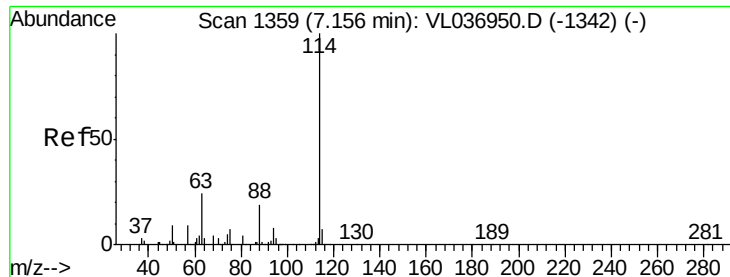
MMDadoda
5/24/2021 3:01:50 PM



#30
Cyclohexane
Concen: 0.805 ppbv m
RT: 7.11 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion	84	Resp	95275
Ion Ratio	Lower	Upper	
84	100		
56	127.8	107.9	161.9
41	98.2	65.5	98.3





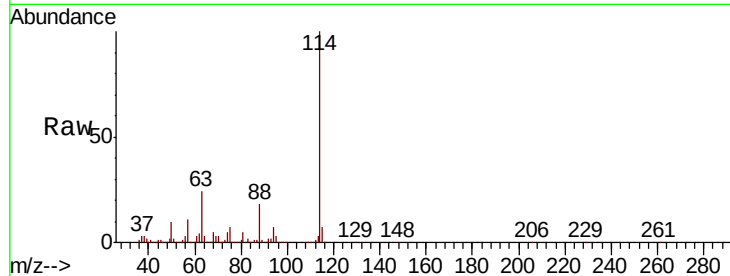
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.7	14.6	21.8

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MMDadoda
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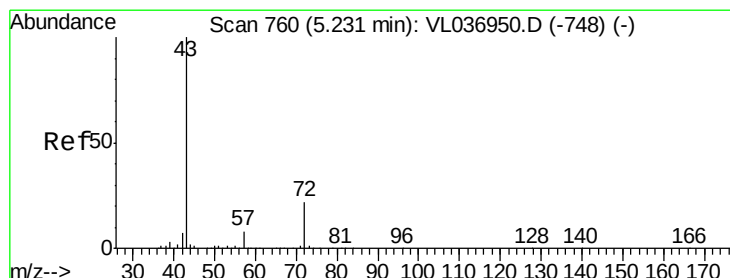
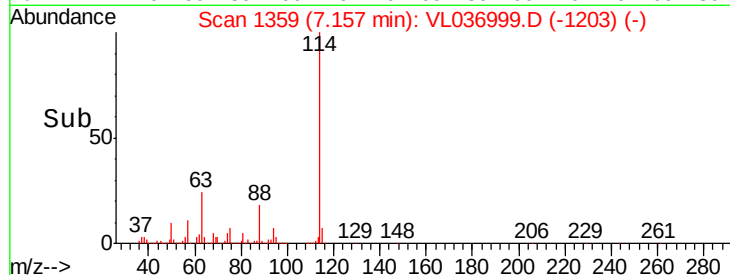
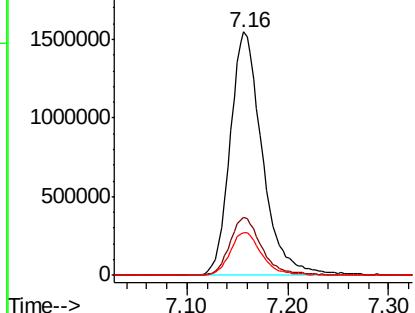


Abundance

Ion 114.10 (113.80 to 114.80): VL0

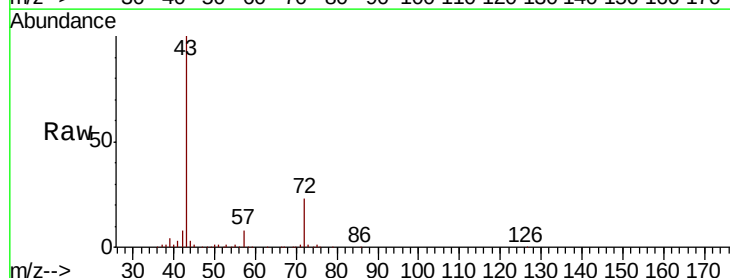
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 11.629 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

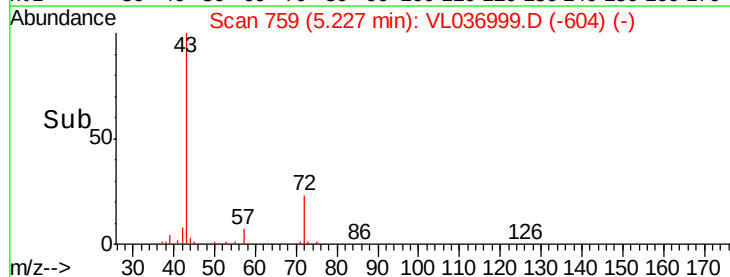
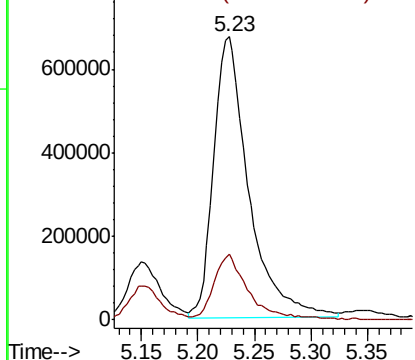
Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.4

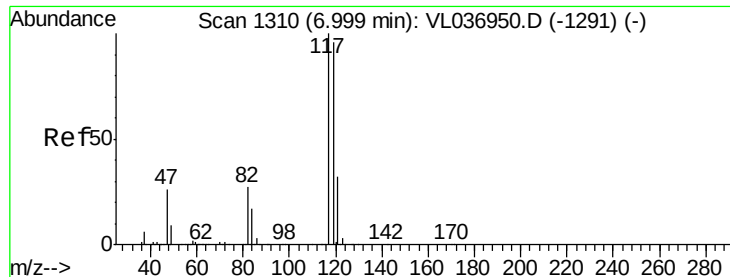


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





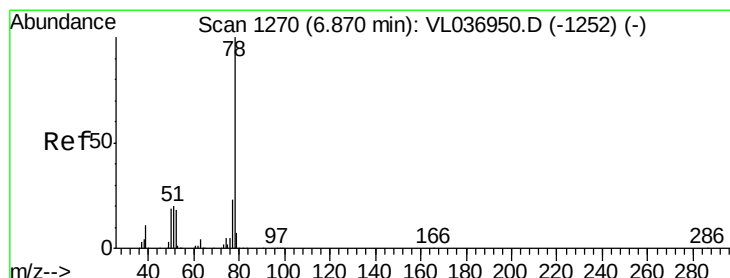
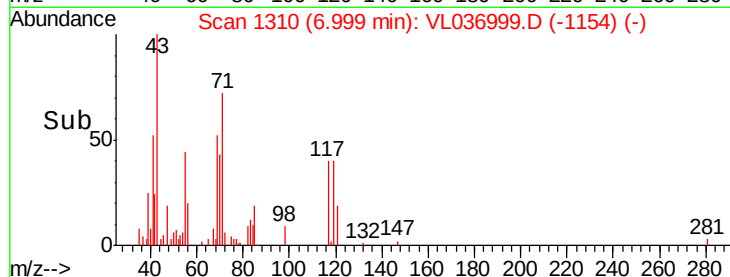
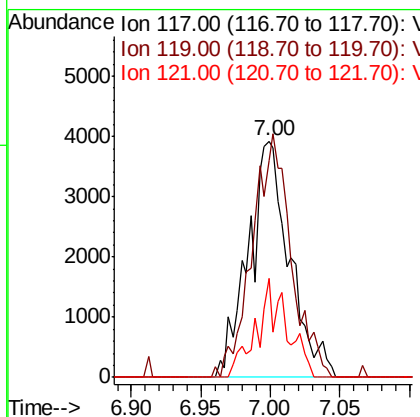
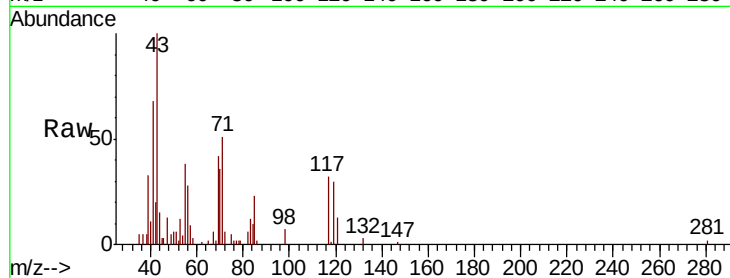
#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 7.00 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Instrument :
MSVOA_L
ClientSampled :
KSV-03

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.6	114.8
121	41.9	25.8	38.6

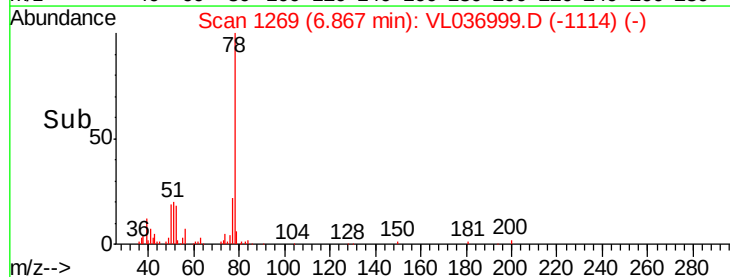
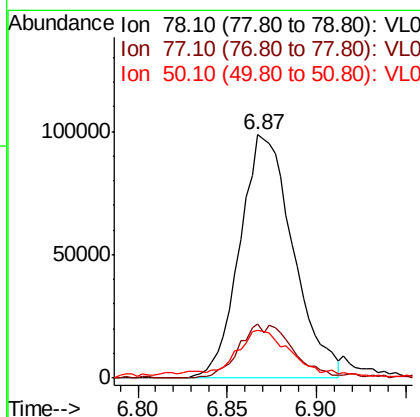
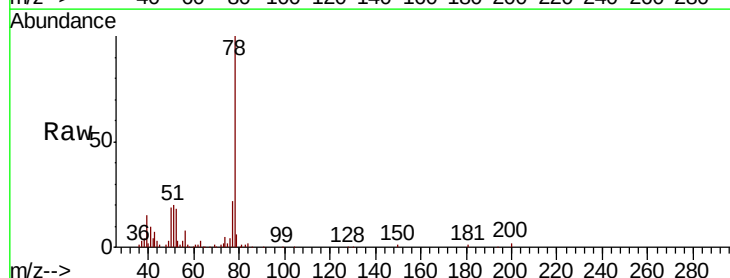
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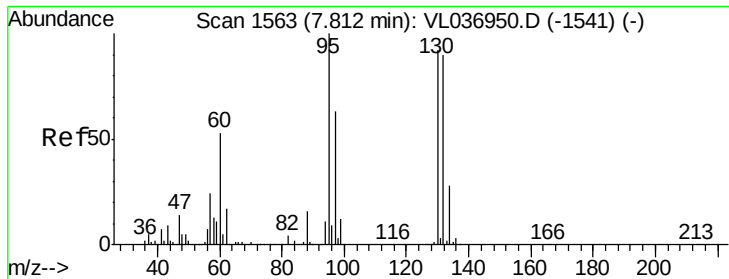
MMDadoda
5/24/2021 3:01:50 PM



#36
Benzene
Concen: 0.694 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.6	28.0
50	17.8	15.0	22.4





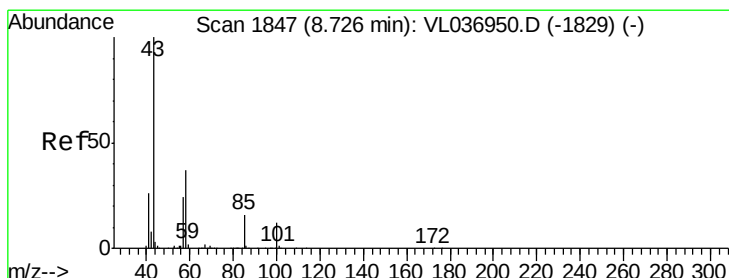
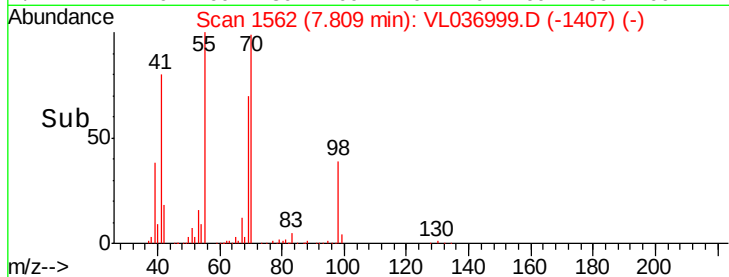
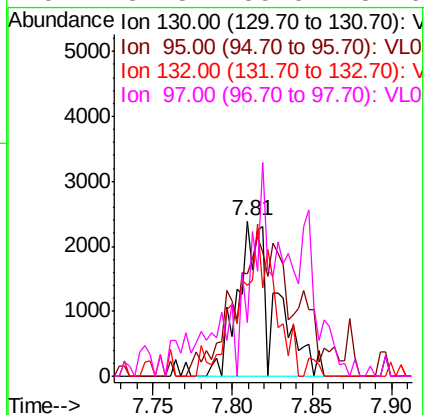
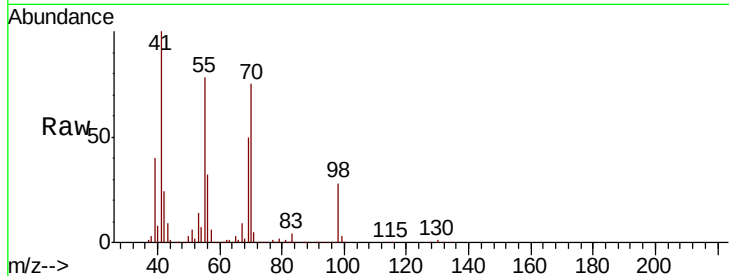
#38
 Trichloroethene
 Concen: 0.031 ppbv m
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampled :
 KSV-03

Tot Ion	Ratio	Lower	Upper
130	100		
95	66.0	86.9	130.3#
132	58.3	78.4	117.6#
97	34.8	55.0	82.6#

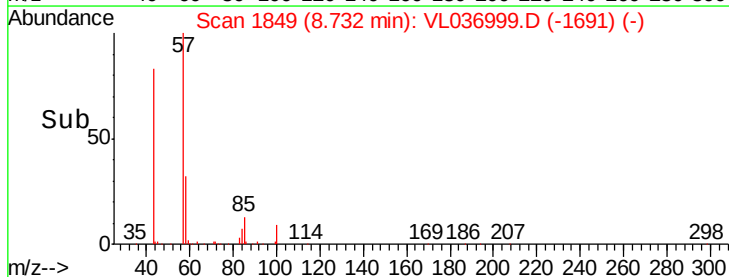
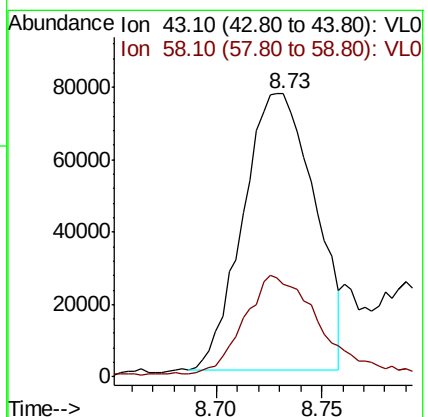
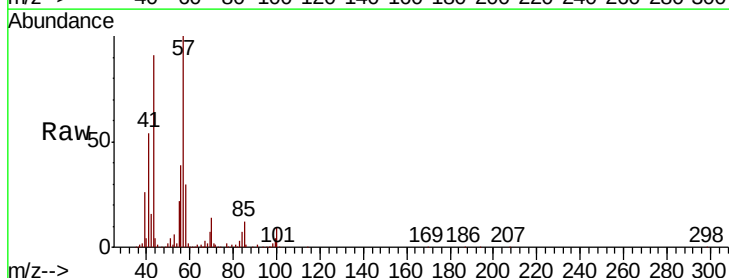
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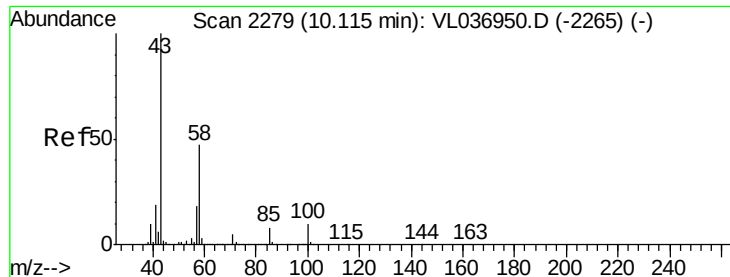
MMDadoda
 5/24/2021 3:01:50 PM



#50
 4-Methyl-2-Pentanone
 Concen: 0.878 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.1	29.4	44.2





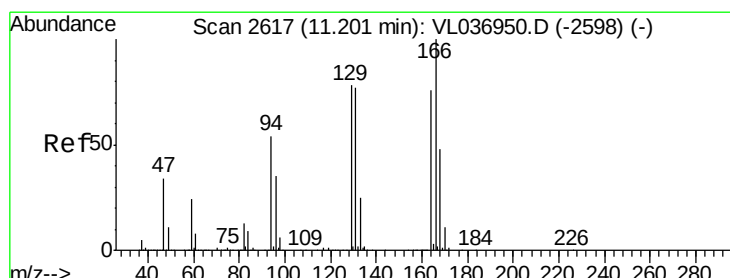
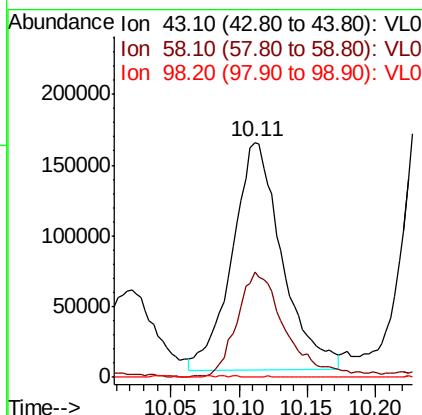
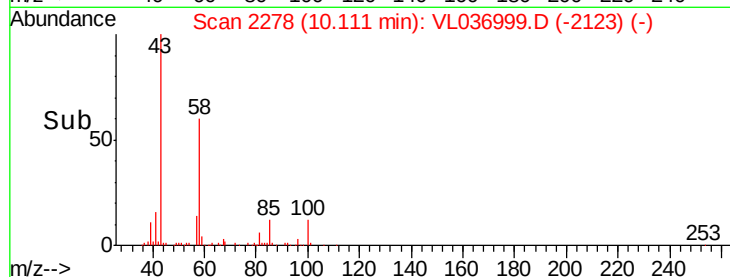
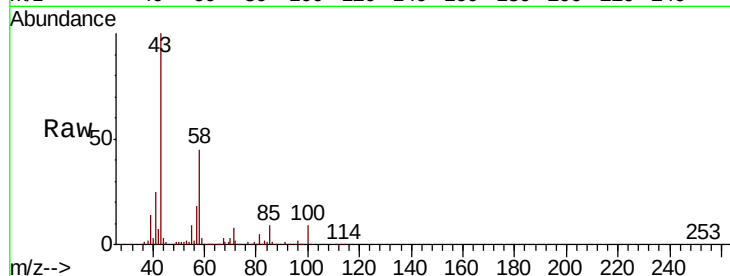
#51
2-Hexanone
Concen: 3.752 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
KSV-03

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	41.1	61.7
98	0.6	0.1	0.1#

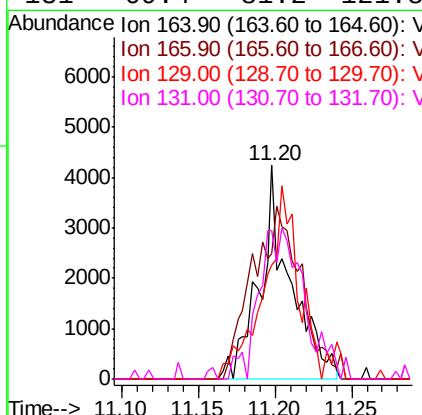
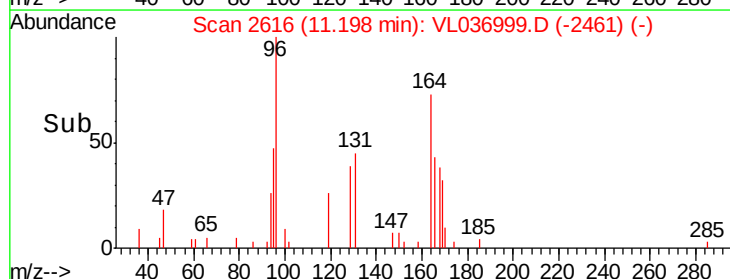
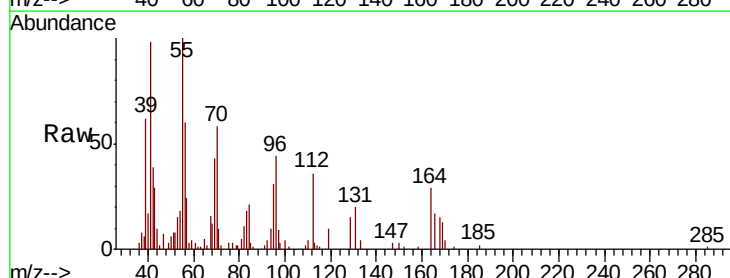
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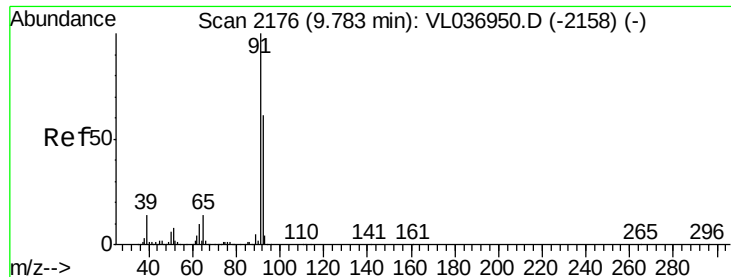
MMDadoda
5/24/2021 3:01:50 PM



#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	58.8	105.5	158.3#
129	53.2	81.8	122.8#
131	69.4	81.2	121.8#





#53

Toluene

Concen: 6.591 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

Tot Ion: 91 Resp: 2315276

Ion Ratio Lower Upper

91 100

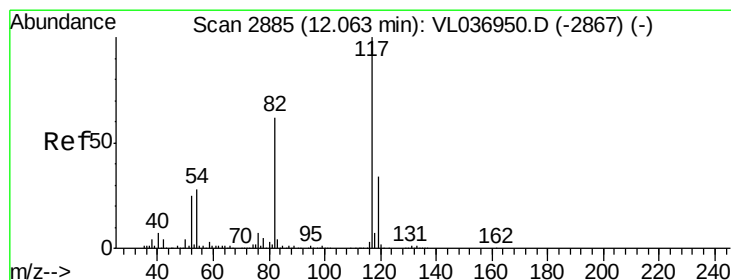
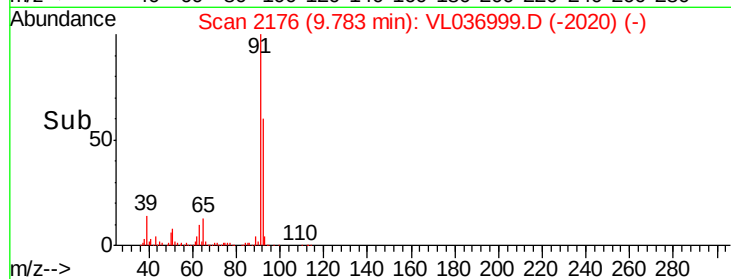
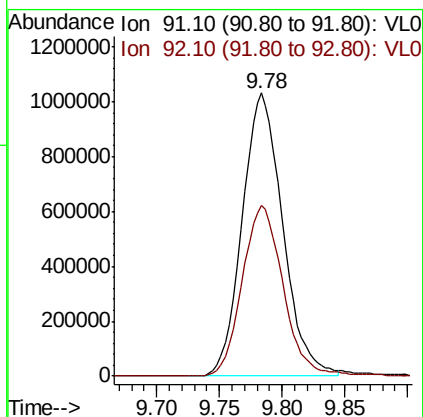
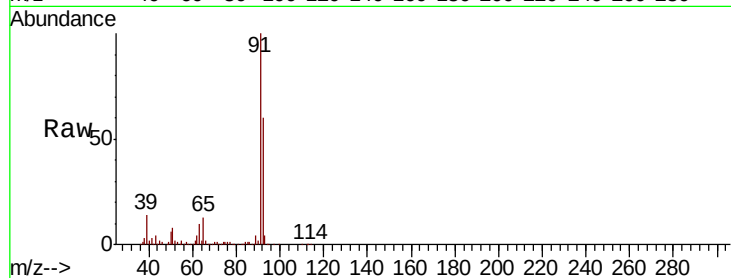
92 61.5 49.5 74.3

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

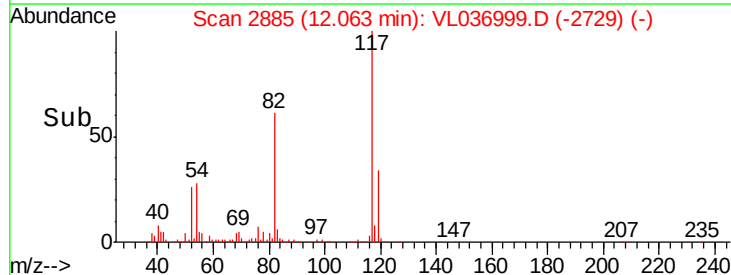
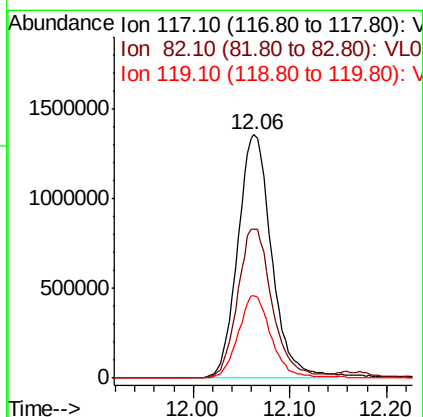
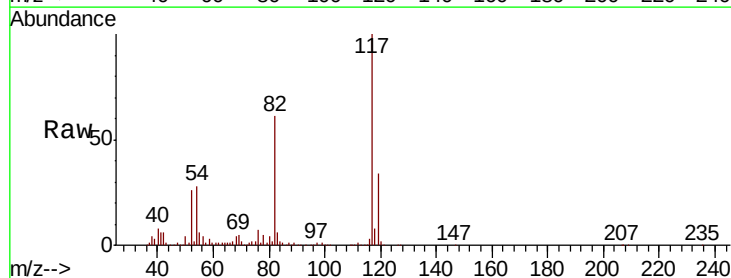
Tgt Ion: 117 Resp: 3307461

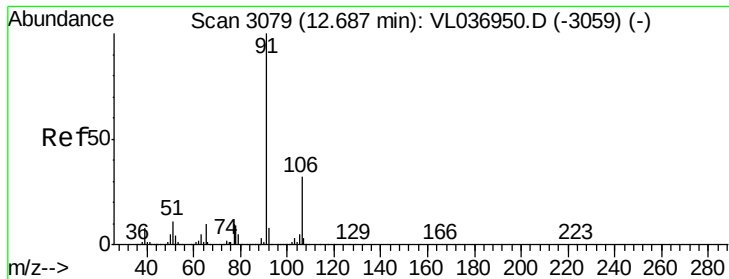
Ion Ratio Lower Upper

117 100

82 62.6 52.6 79.0

119 33.6 46.6 70.0#





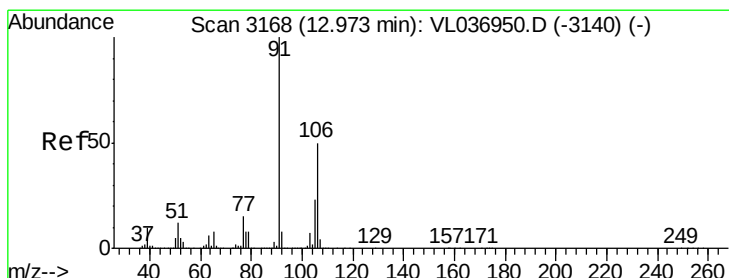
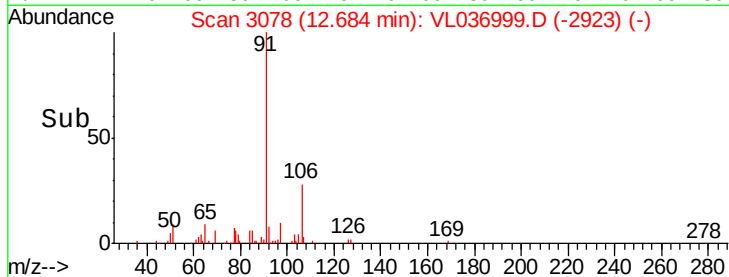
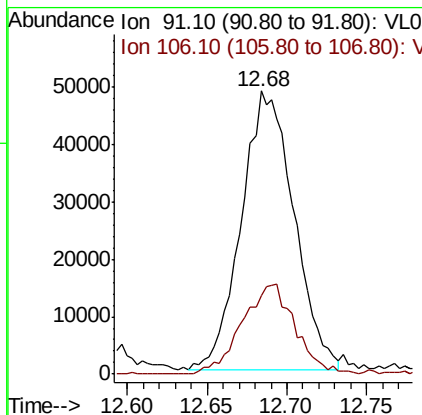
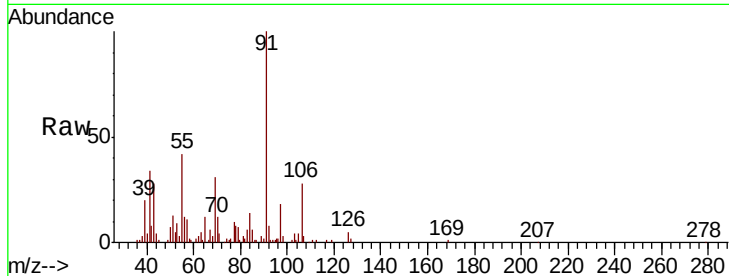
#58
Ethyl Benzene
Concen: 0.235 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Instrument :
MSVOA_L
ClientSampled :
KSV-03

Tot Ion: 91 Resp: 109905
Ion Ratio Lower Upper
91 100
106 28.2 25.6 38.4

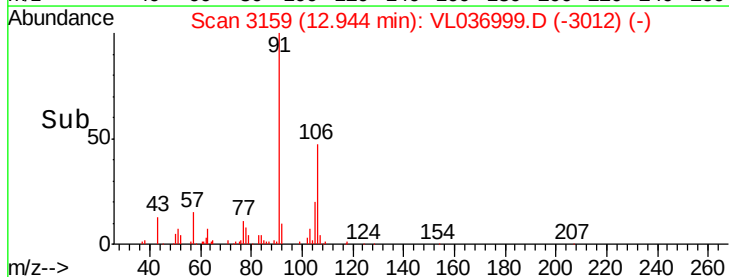
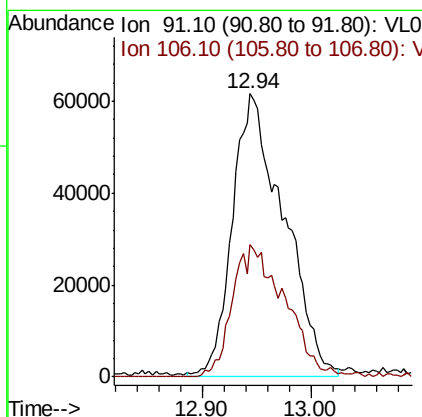
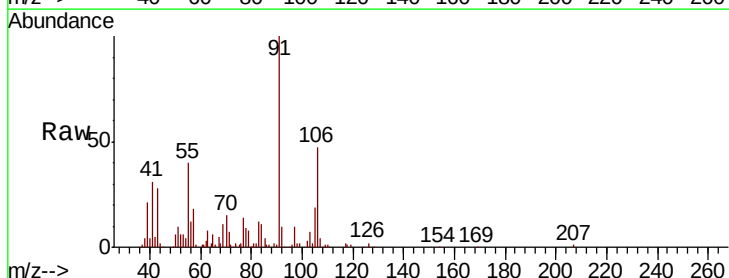
Manual Integrations
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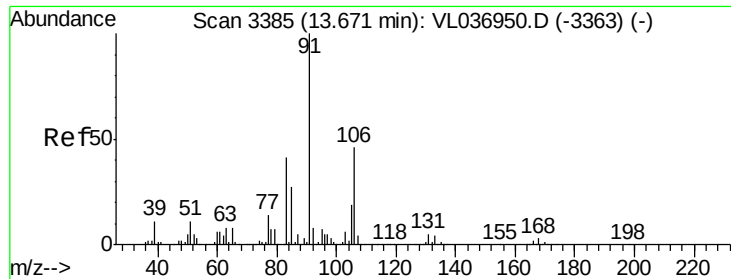
MMDadoda
5/24/2021 3:01:50 PM



#59
m/p-Xylene
Concen: 0.524 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.03 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 91 Resp: 202070
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





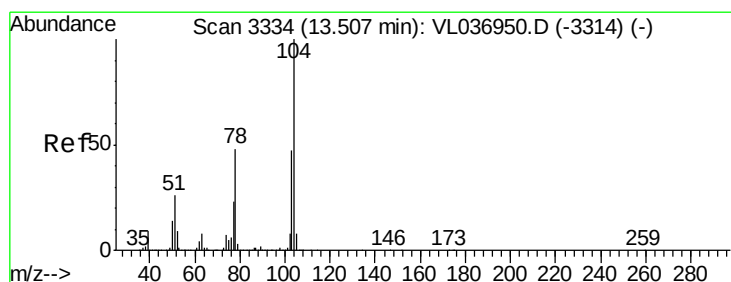
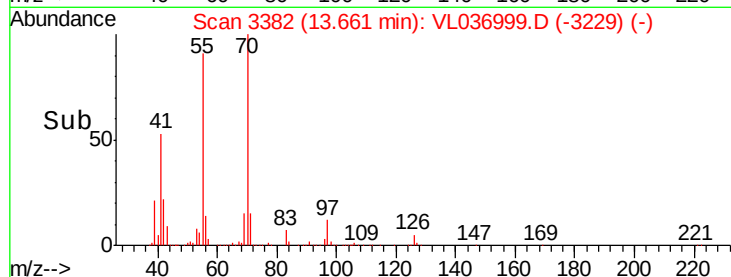
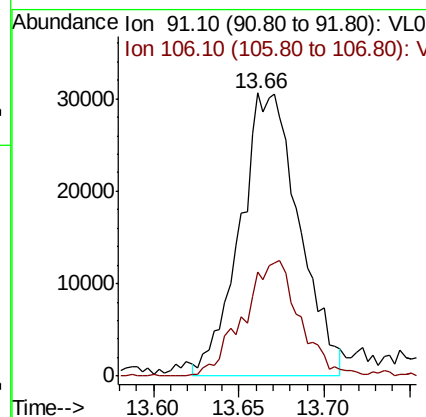
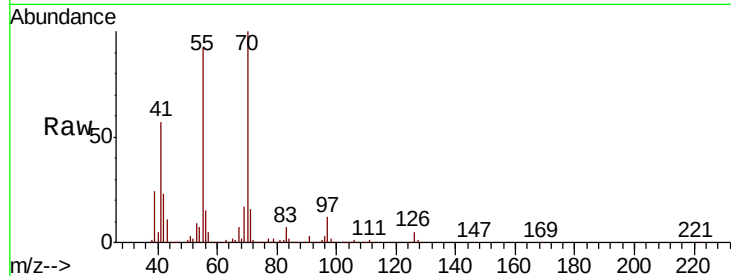
#60
o-Xylene
Concen: 0.201 ppbv m
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Instrument :
MSVOA_L
ClientSampled :
KSV-03

Tot Ion: 91 Resp: 73844
Ion Ratio Lower Upper
91 100
106 39.6 23.4 70.3

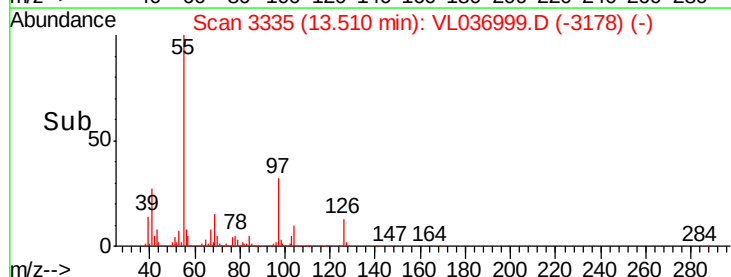
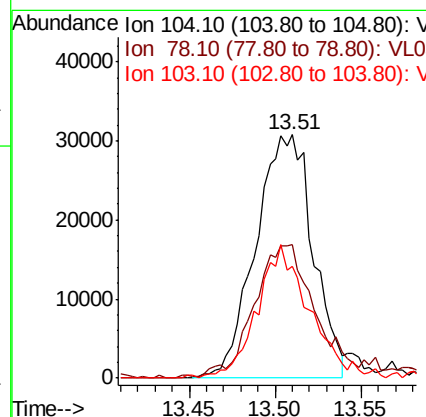
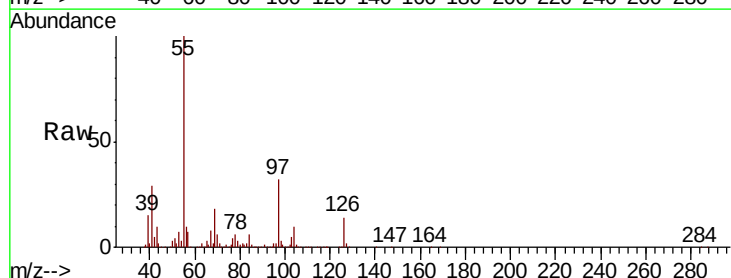
Manual Integrations
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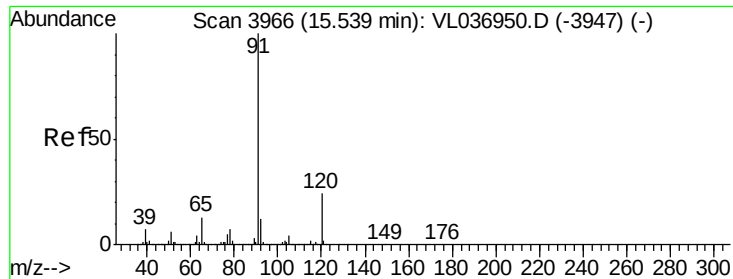
MMDadoda
5/24/2021 3:01:50 PM



#61
Styrene
Concen: 0.343 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 104 Resp: 71105
Ion Ratio Lower Upper
104 100
78 63.7 39.0 58.6#
103 50.2 38.0 57.0





#64

n-propylbenzene

Concen: 0.140 ppbv m

RT: 15.55 min Scan# 3969

Delta R.T. 0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

Tot Ion:120 Resp: 19118

Ion Ratio Lower Upper

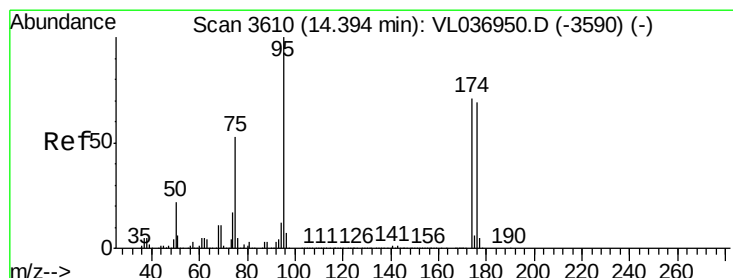
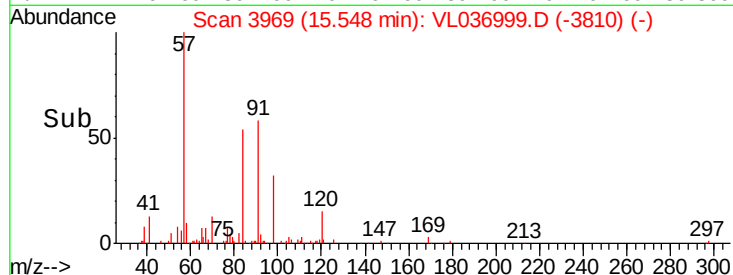
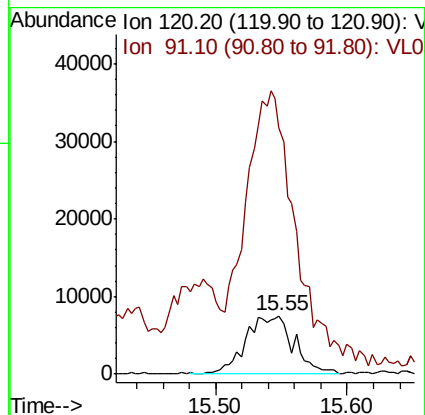
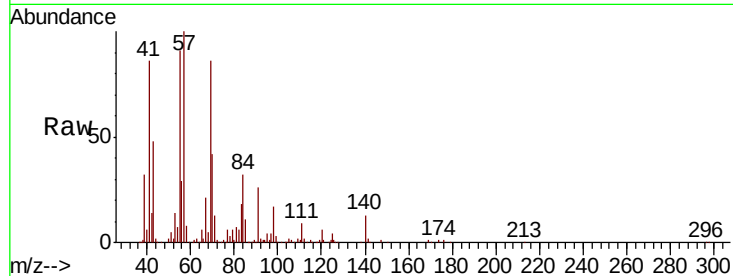
120 100

91 631.6 343.8 515.6#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.401 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

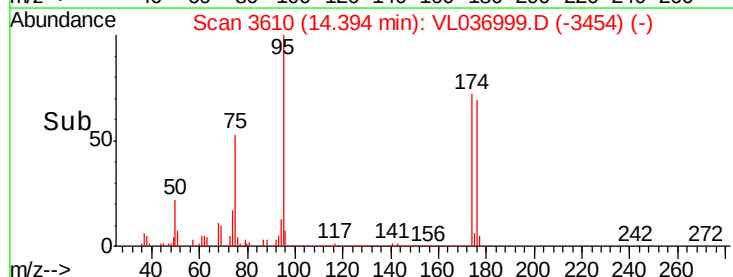
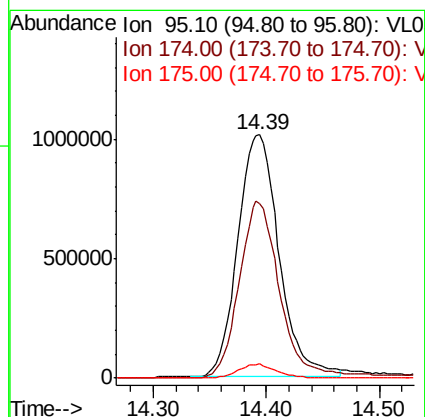
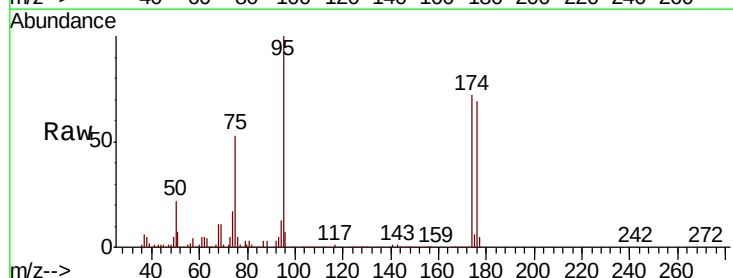
Tgt Ion: 95 Resp: 2584380

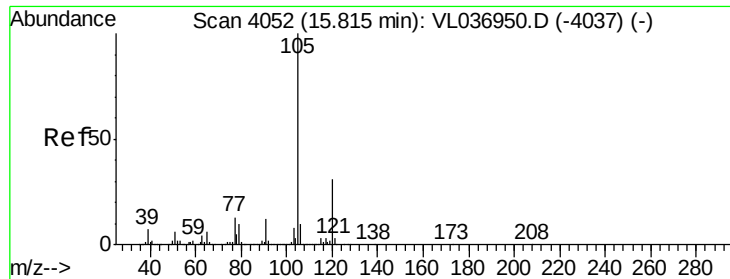
Ion Ratio Lower Upper

95 100

174 74.0 58.4 87.6

175 5.5 4.4 6.6





#72

4-Ethyltoluene

Concen: 0.235 ppbv m

RT: 15.82 min Scan# 4054

Delta R.T. 0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

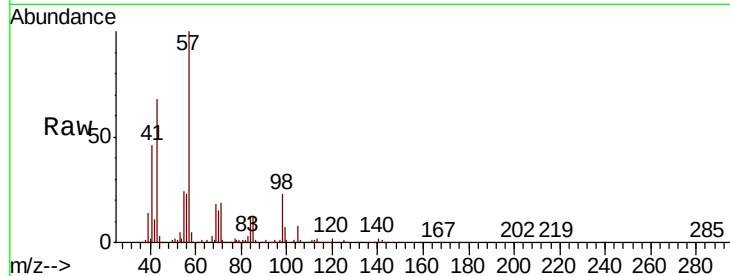
ClientSampleId :

KSV-03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	102652		
120	30.1	24.6	37.0	
91	20.5	9.8	14.6	
77	10.4	10.4	15.6	

Manual Integrations
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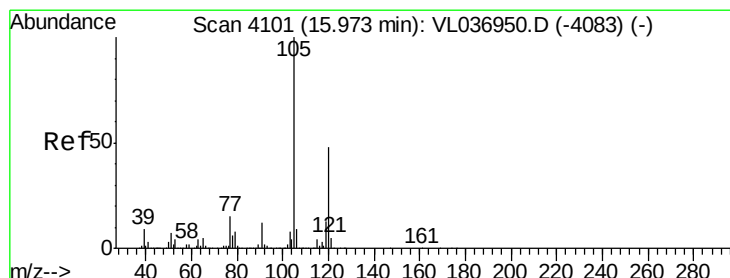
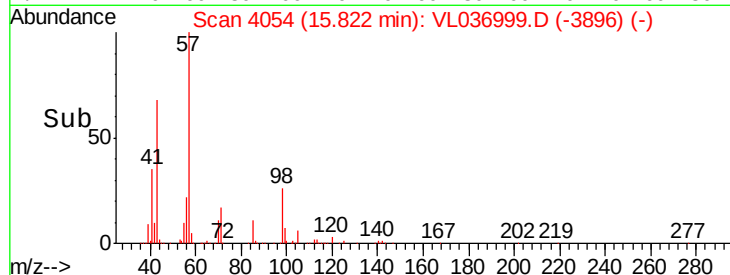
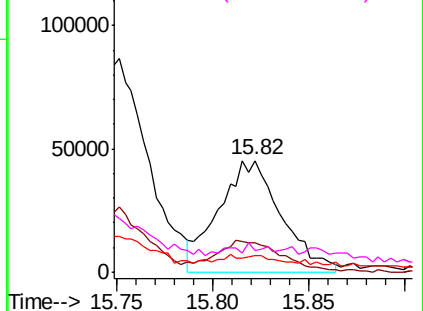
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.378 ppbv

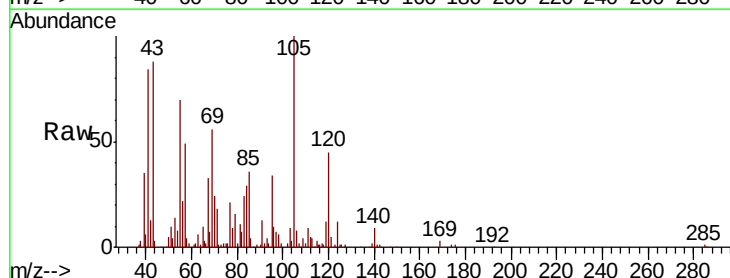
RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

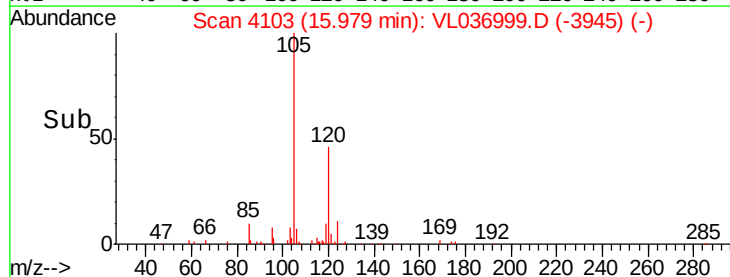
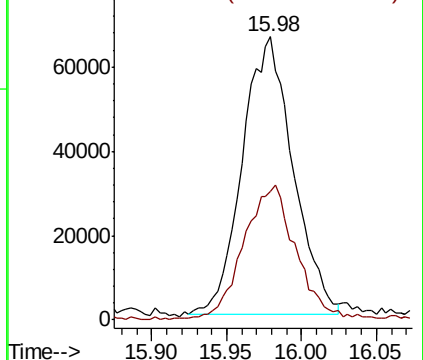
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154855		
120	45.7	38.6	58.0	

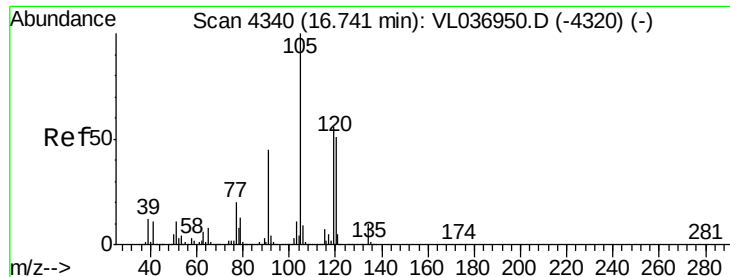


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.819 ppbv m
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Tot Ion:	105	Resp:	347378
Ion Ratio	Lower	Upper	
105	100		
120	40.0	40.6	61.0#
91	12.2	37.4	56.0#
77	17.2	16.2	24.4

Manual Integrations
 APPROVED

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