

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035068.D
 Acq On : 20 May 2020 6:41
 Operator : SY/AP
 Sample : L2712-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
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 5/20/2020 4:28:27 PM

Quant Time: May 20 08:25:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1113227	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2552612	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2524484	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2202983	10.78	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	18901	0.343	ppbv	89
13) Ethanol	3.57	45	11112m	0.611	ppbv	
15) Acetone	3.80	43	2581113	17.538	ppbv	95
17) tert-Butyl alcohol	4.26	59	116016	0.886	ppbv	97
19) Isopropyl Alcohol	3.93	45	41075	0.419	ppbv #	94
20) Methylene Chloride	4.31	84	18411	0.378	ppbv	84
26) Hexane	5.66	57	19935m	0.186	ppbv	
34) 2-Butanone	5.22	43	240186	1.514	ppbv	100
51) 2-Hexanone	10.14	43	80624m	0.456	ppbv	
53) Toluene	9.80	91	74799m	0.335	ppbv	
58) Ethyl Benzene	12.72	91	38995m	0.125	ppbv	
59) m/p-Xylene	12.98	91	130056m	0.474	ppbv	
60) o-Xylene	13.70	91	49674m	0.183	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	52624m	0.164	ppbv	

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

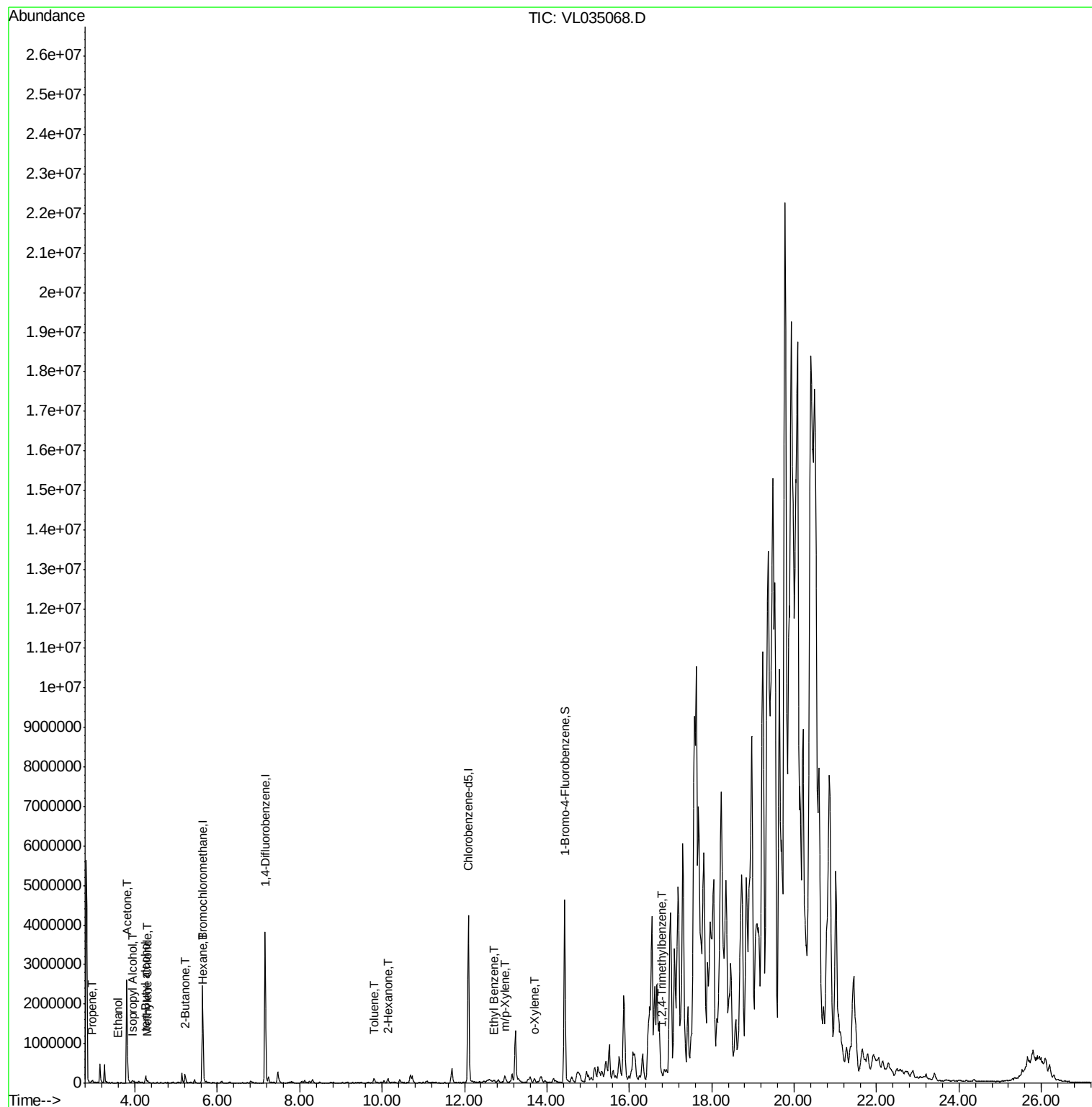
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035068.D
Acq On : 20 May 2020 6:41
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

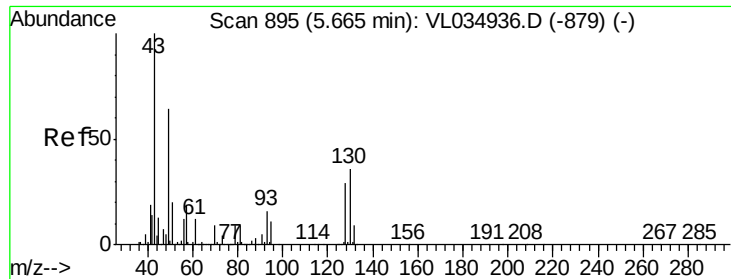
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
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Quant Time: May 20 08:25:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





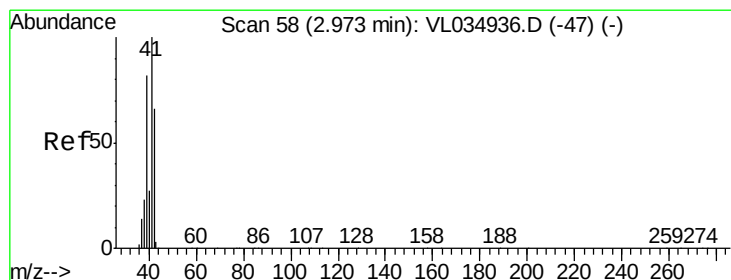
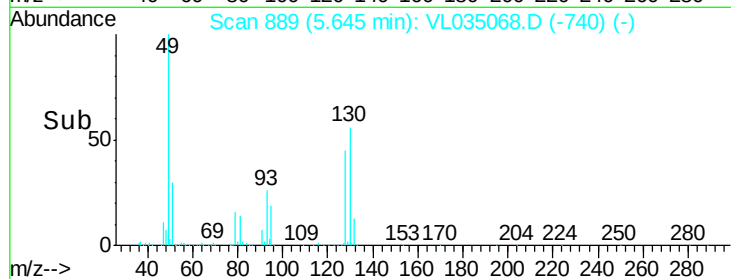
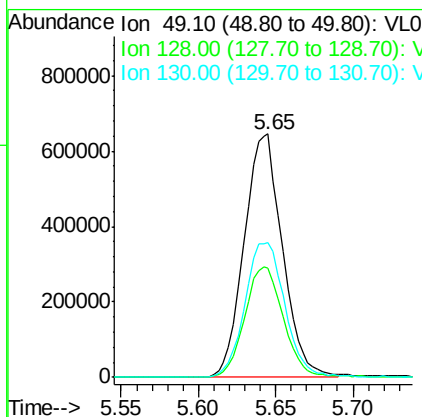
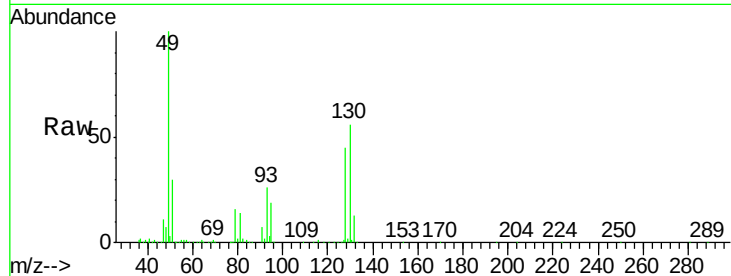
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 49 Resp: 1113227
Ion Ratio Lower Upper
49 100
128 46.6 22.1 66.5
130 58.2 29.1 87.3

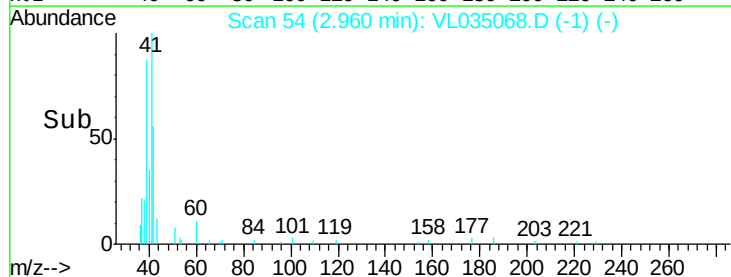
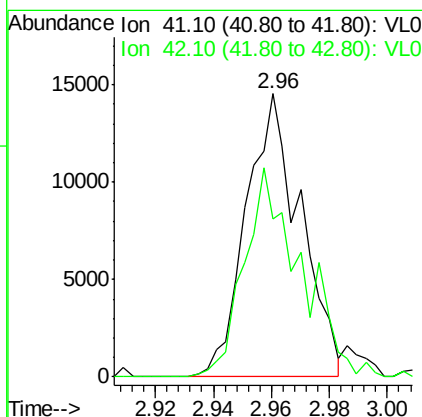
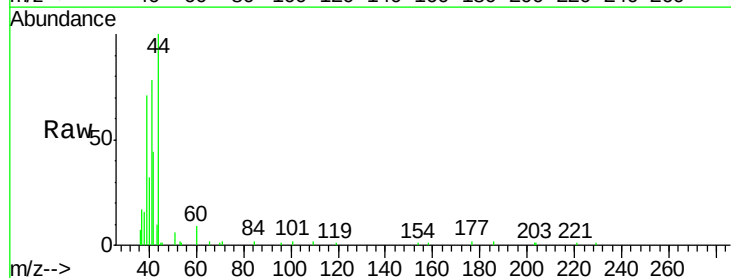
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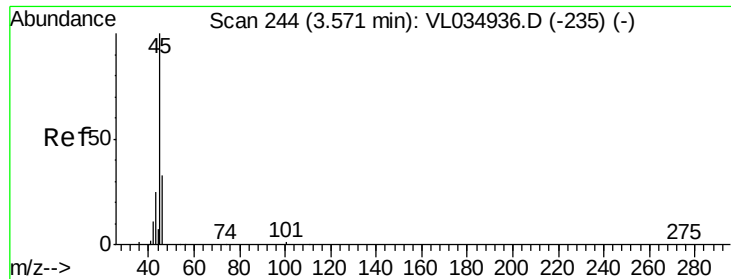
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#9
Propene
Concen: 0.343 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 41 Resp: 18901
Ion Ratio Lower Upper
41 100
42 76.9 54.5 81.7





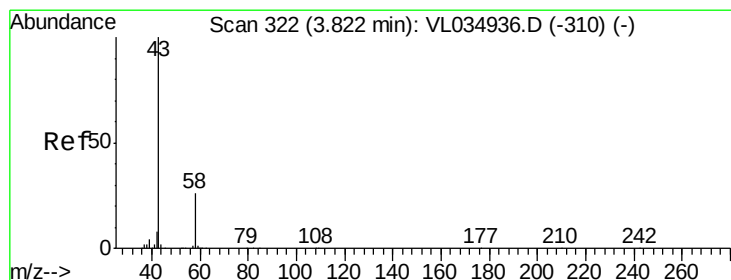
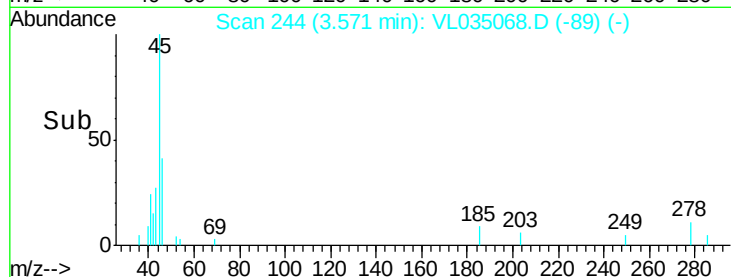
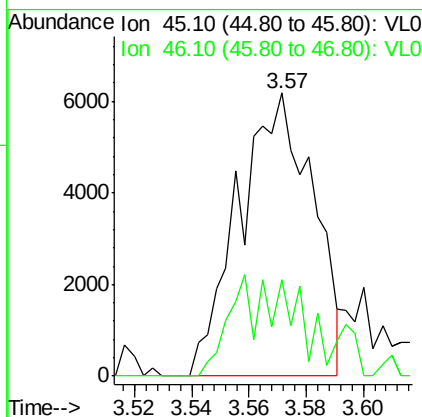
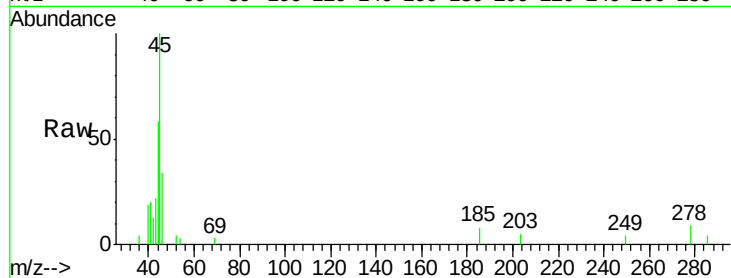
#13
Ethanol
Concen: 0.611 ppbv m
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.3	57.3

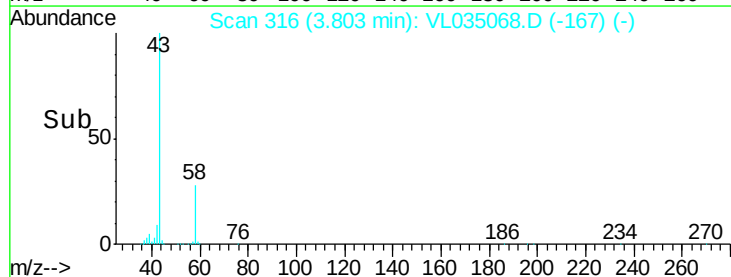
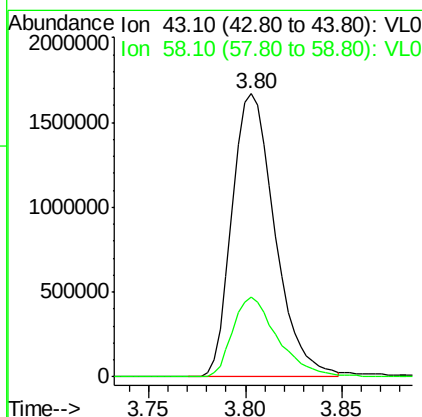
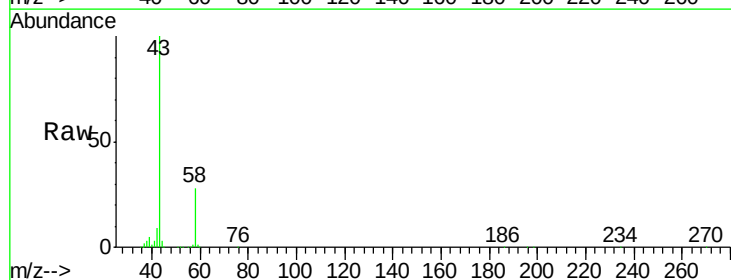
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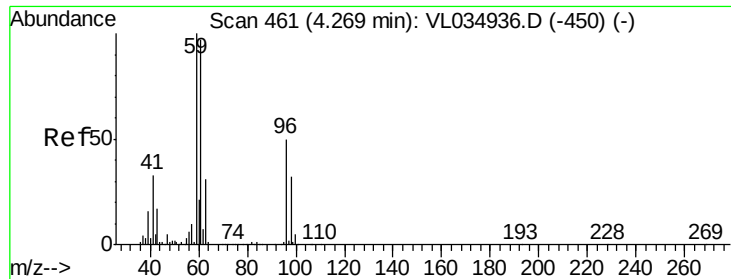
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#15
Acetone
Concen: 17.538 ppbv
RT: 3.80 min Scan# 316
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	21.7	32.5





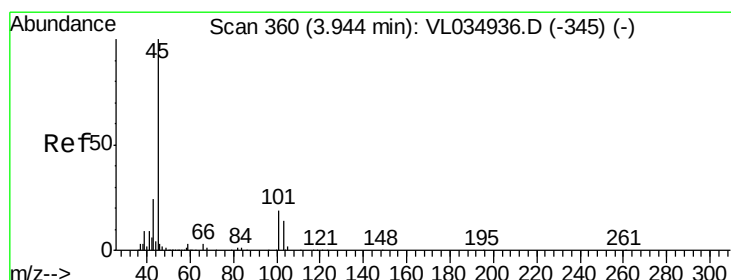
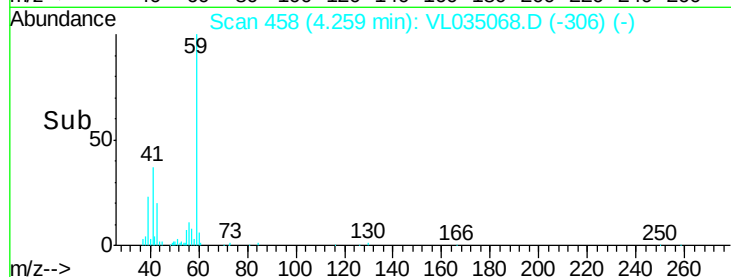
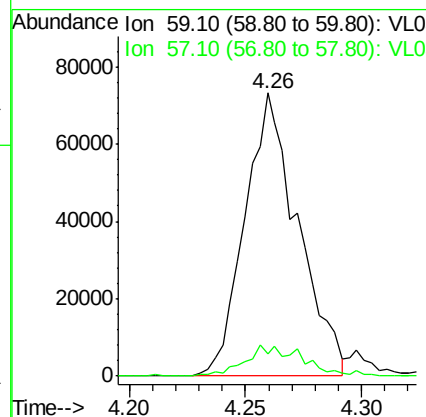
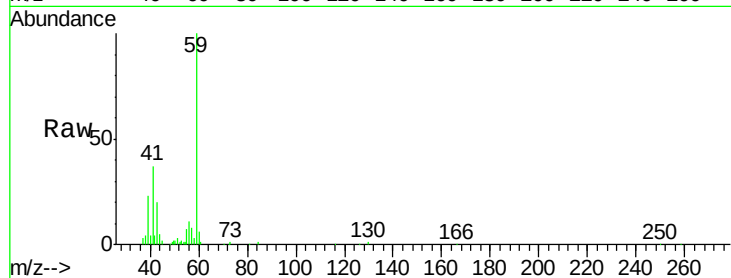
#17
tert-Butyl alcohol
Concen: 0.886 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ratio	Resp	Lower	Upper
59	100	116016		
57	12.1		8.7	13.1

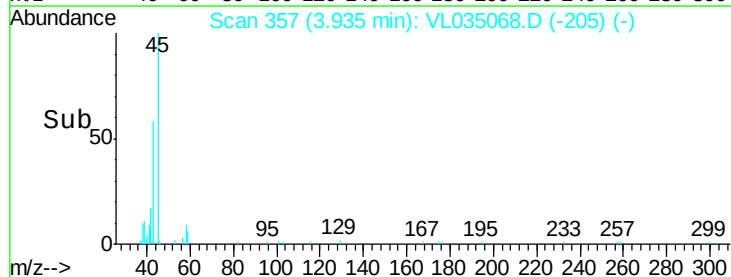
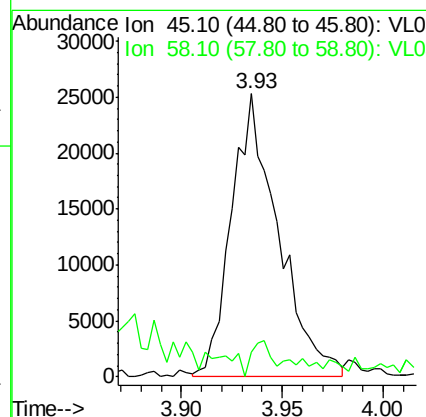
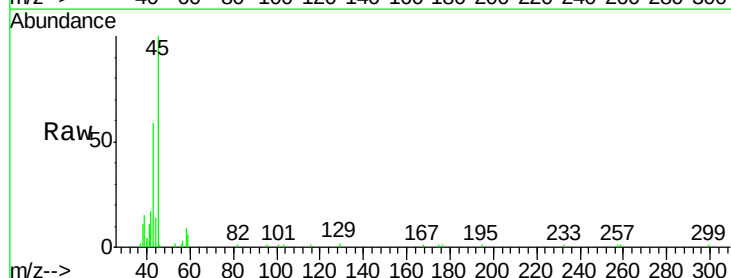
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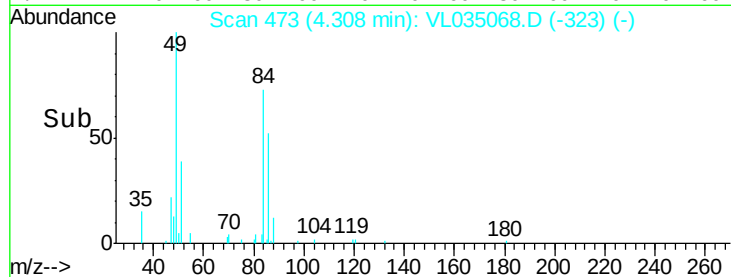
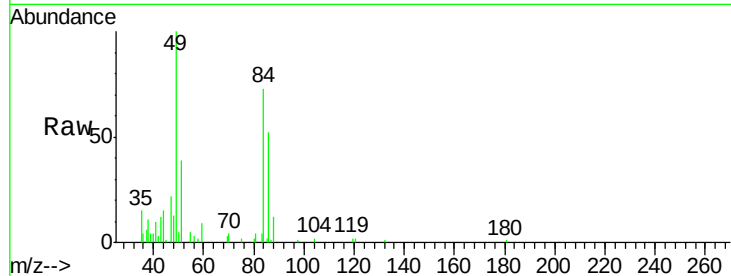
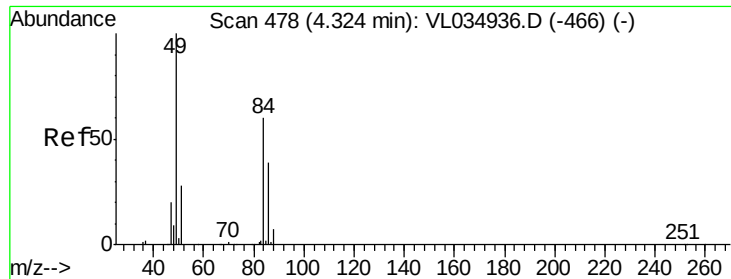
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#19
Isopropyl Alcohol
Concen: 0.419 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	41075		
58	0.0		1.7	2.5#





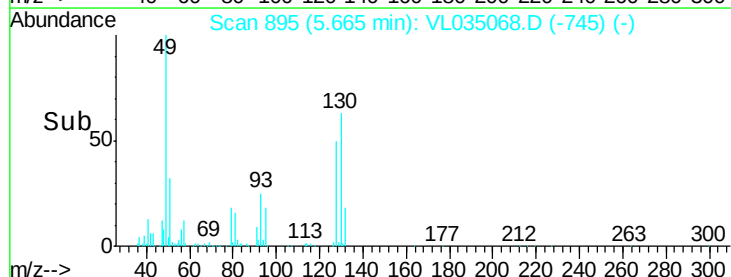
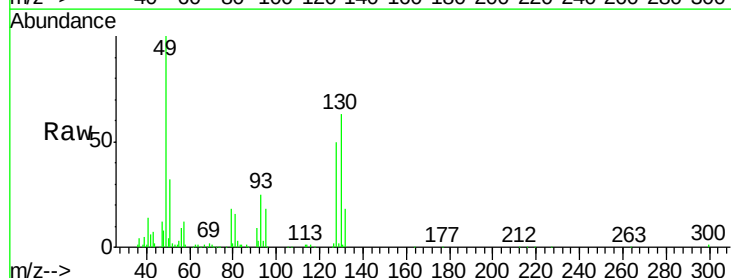
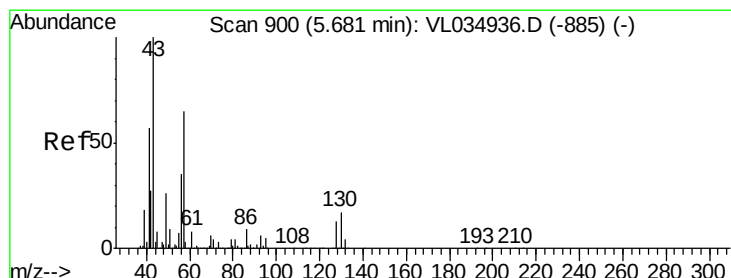
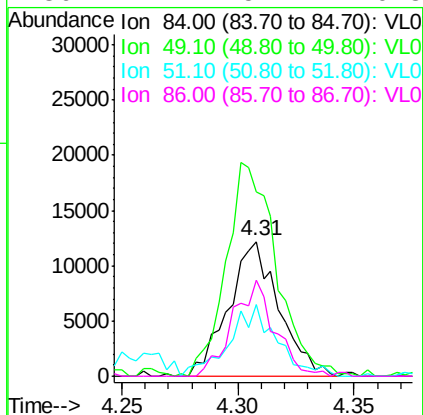
#20
Methvlene Chloride
Concen: 0.378 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tot Ion:	84	Resp:	18411
Ion Ratio	Lower	Upper	
84	100		
49	136.8	132.5	198.7
51	52.9	38.4	57.6
86	71.1	51.2	76.8

Instrument :
MSVOA_L
ClientSampled :
SV1

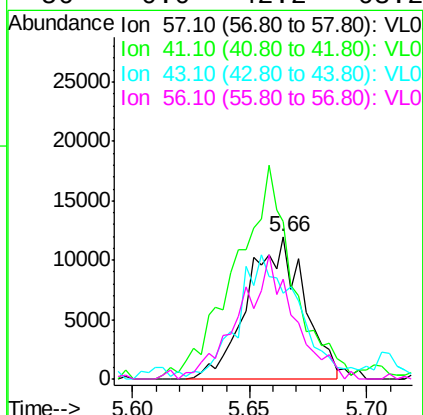
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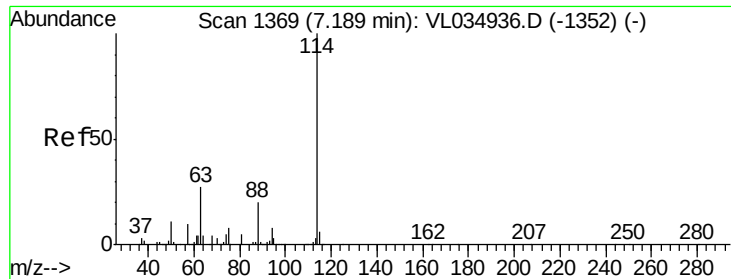
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#26
Hexane
Concen: 0.186 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion:	57	Resp:	19935
Ion Ratio	Lower	Upper	
57	100		
41	0.0	72.7	109.1#
43	0.0	182.1	273.1#
56	0.0	42.2	63.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.03 min

Lab File: VL035068.D

Acq: 20 May 2020 6:41

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion:114 Resp: 2552612

Ion Ratio Lower Upper

114 100

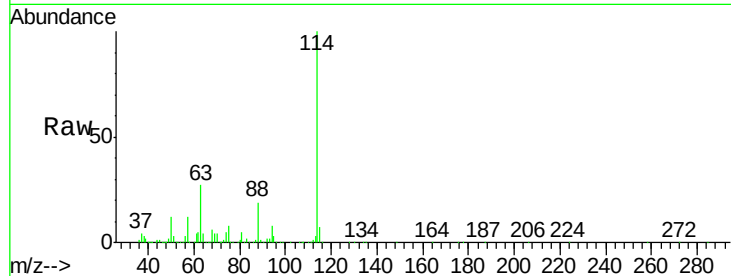
63 28.1 22.2 33.4

88 19.2 15.5 23.3

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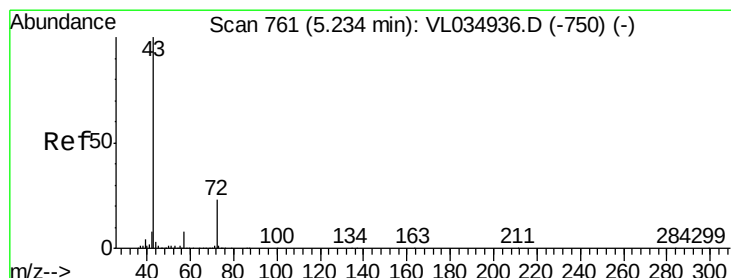
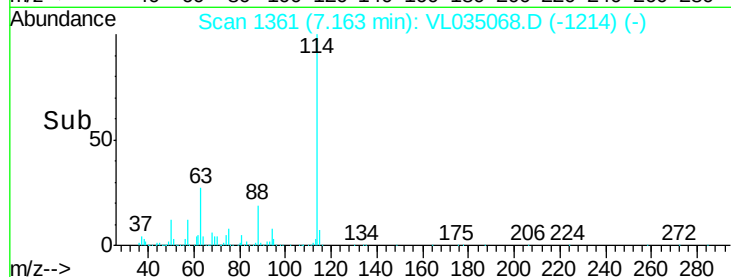
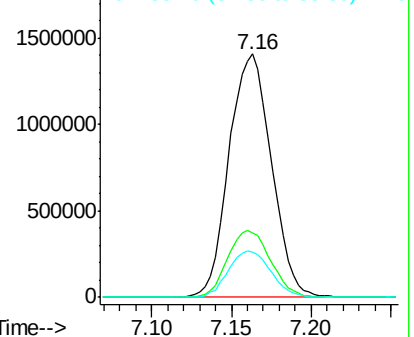
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.514 ppbv

RT: 5.22 min Scan# 757

Delta R.T. -0.01 min

Lab File: VL035068.D

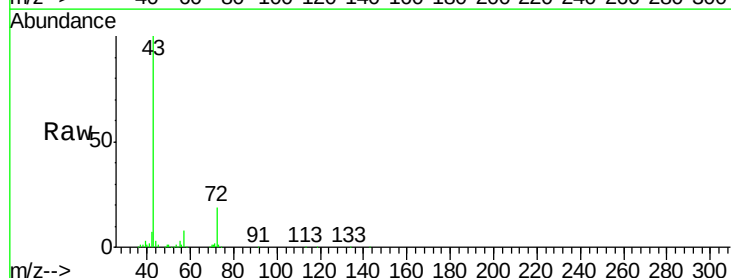
Acq: 20 May 2020 6:41

Tgt Ion: 43 Resp: 240186

Ion Ratio Lower Upper

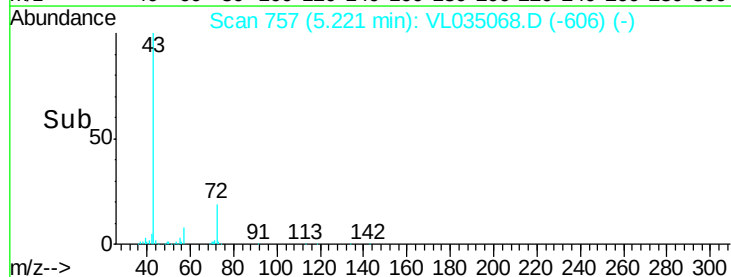
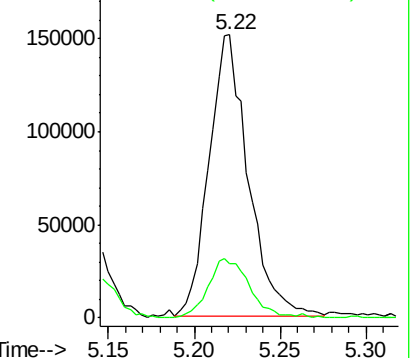
43 100

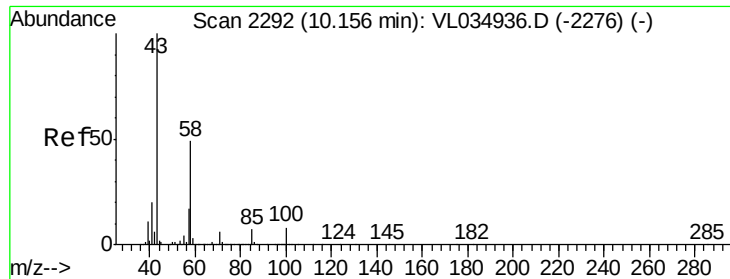
72 22.3 18.0 27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#51

2-Hexanone

Concen: 0.456 ppbv m

RT: 10.14 min Scan# 2286

Delta R.T. -0.02 min

Lab File: VL035068.D

Acq: 20 May 2020 6:41

Instrument :

MSVOA_L

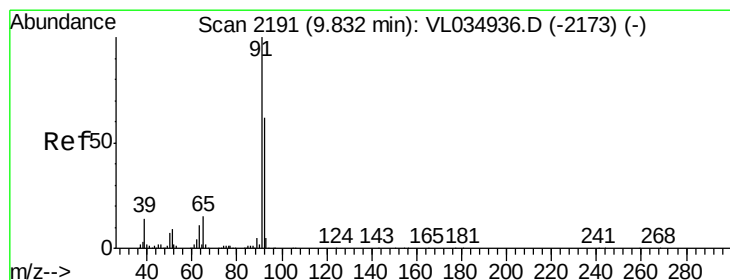
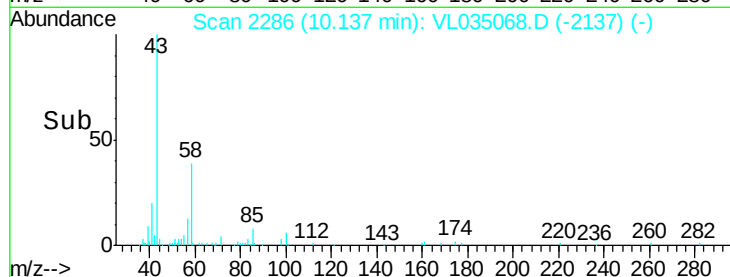
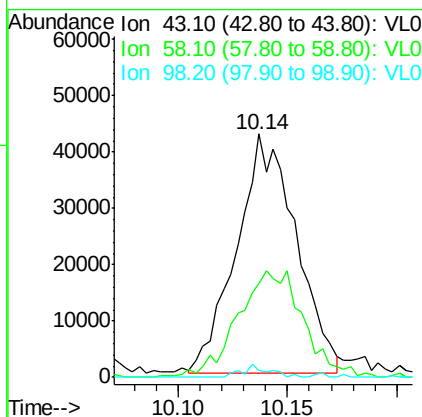
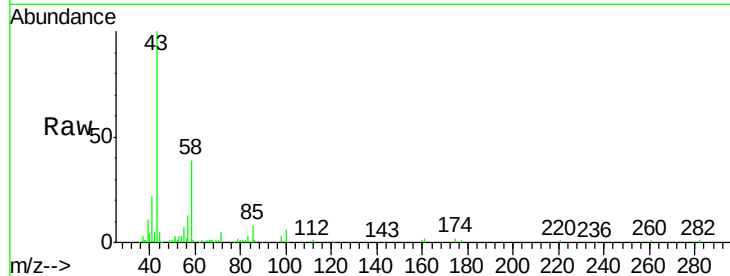
ClientSampled :

SV1

Tot Ion:	43	Resp:	80624
Ion Ratio	Lower	Upper	
43	100		
58	0.0	39.1	58.7#
98	2.7	0.3	0.5#

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#53

Toluene

Concen: 0.335 ppbv m

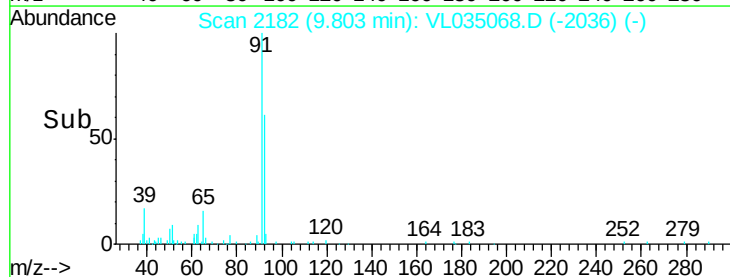
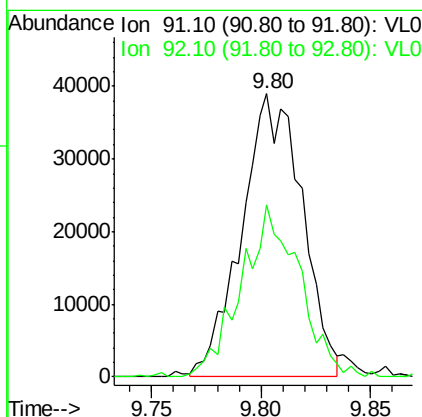
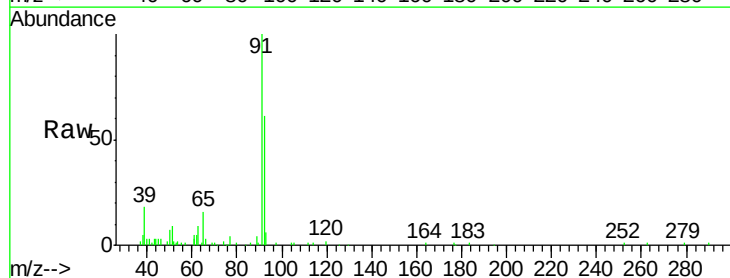
RT: 9.80 min Scan# 2182

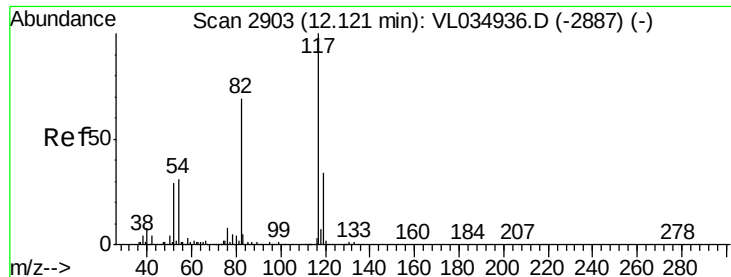
Delta R.T. -0.03 min

Lab File: VL035068.D

Acq: 20 May 2020 6:41

Tgt Ion:	91	Resp:	74799
Ion Ratio	Lower	Upper	
91	100		
92	58.6	48.6	73.0





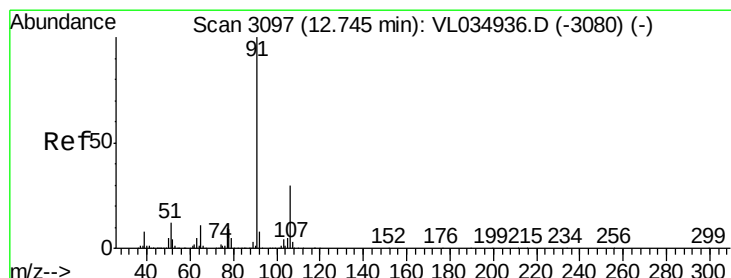
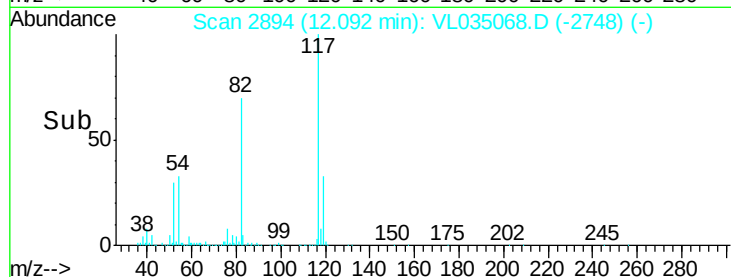
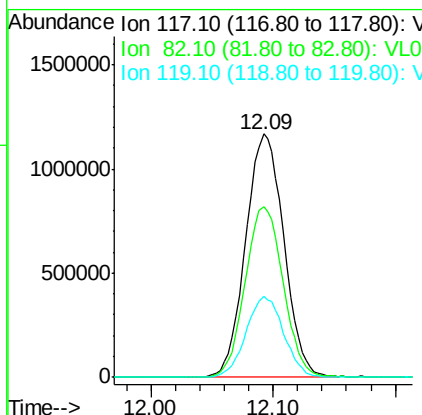
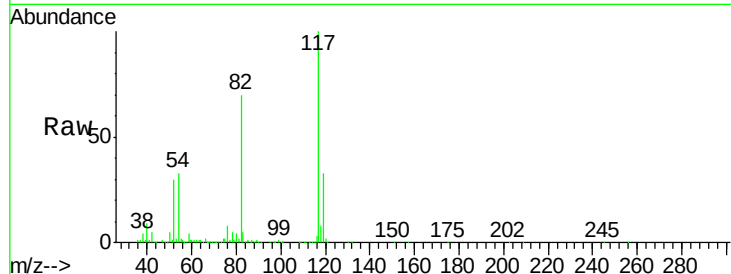
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	53.1	79.7
119	32.8	26.7	40.1

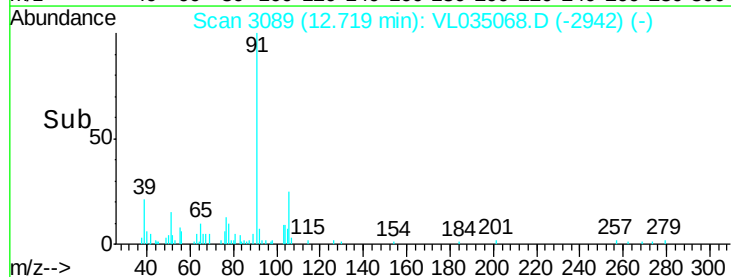
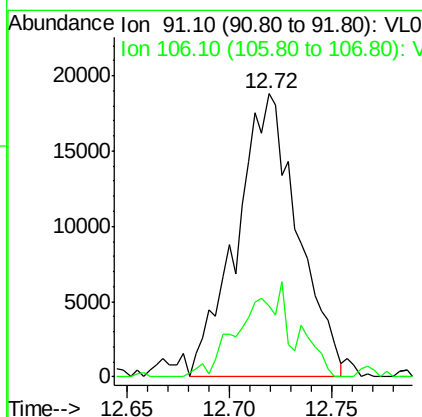
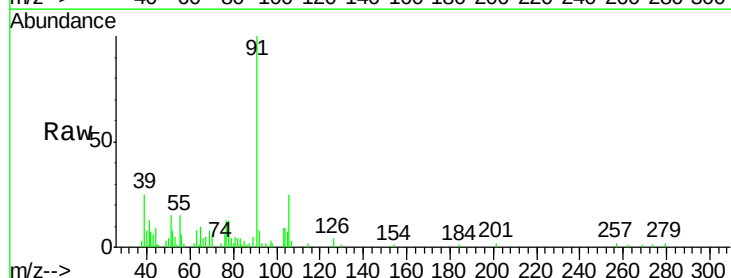
Manual Integrations
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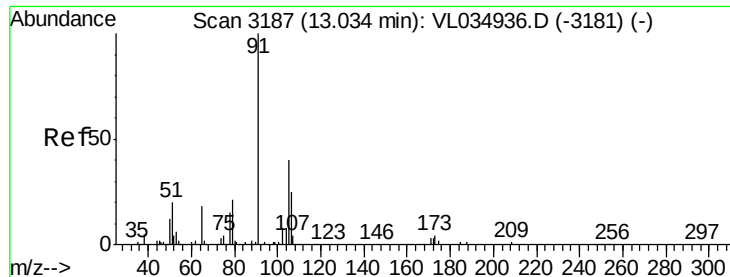
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#58
Ethyl Benzene
Concen: 0.125 ppbv m
RT: 12.72 min Scan# 3089
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.1	24.2	36.4





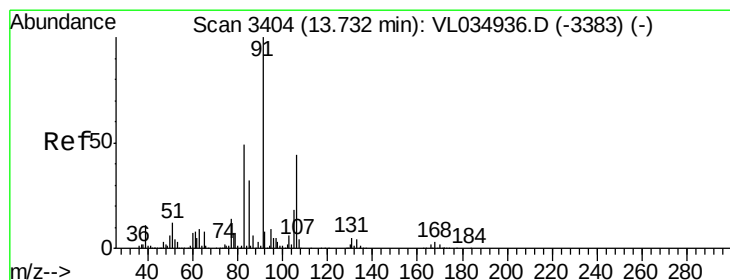
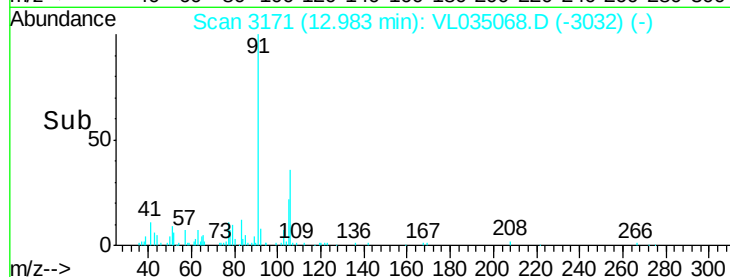
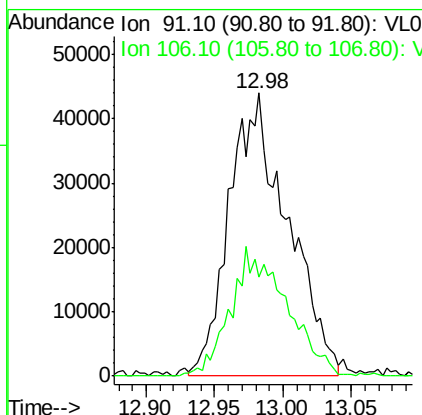
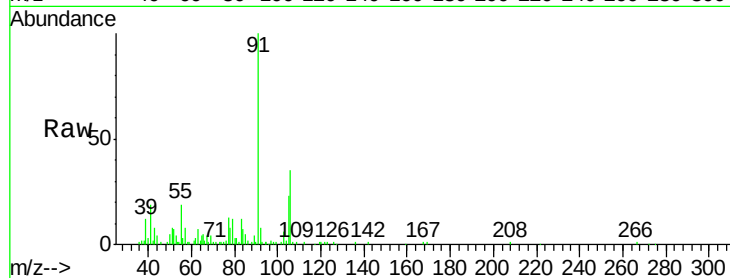
#59
m/p-Xylene
Concen: 0.474 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.05 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 91 Resp: 130056
Ion Ratio Lower Upper
91 100
106 0.0 66.0 99.0#

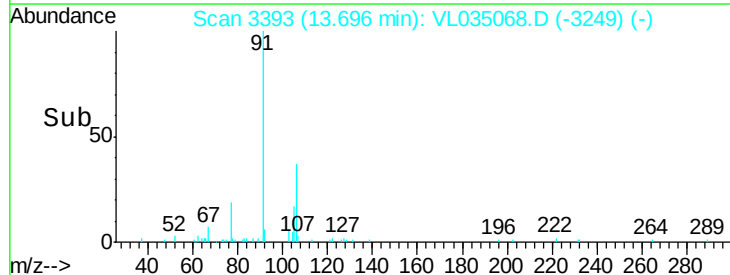
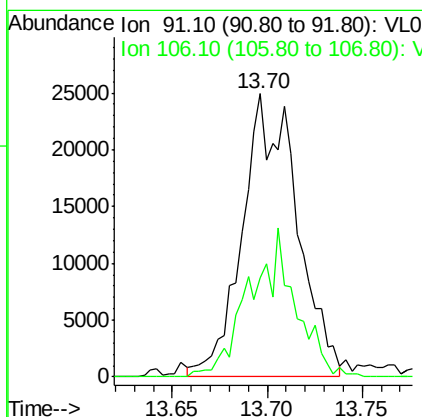
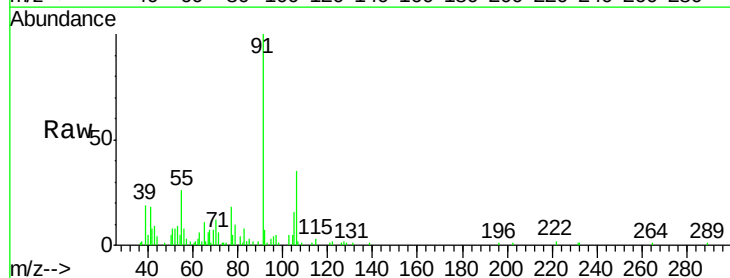
Manual Integrations
APPROVED

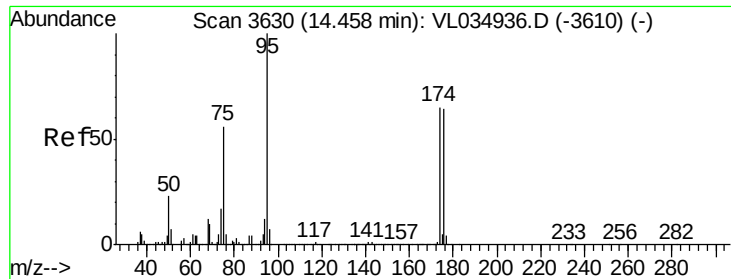
MMDadoda
5/20/2020 4:28:27 PM



#60
o-Xylene
Concen: 0.183 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. -0.04 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 91 Resp: 49674
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#





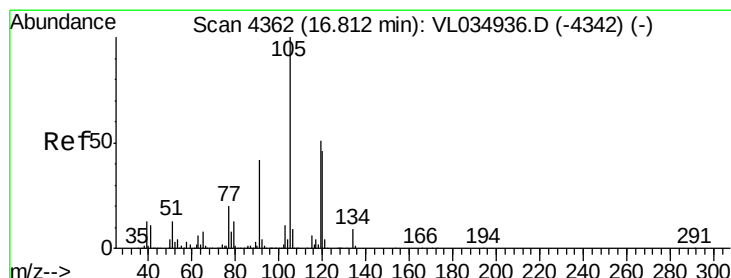
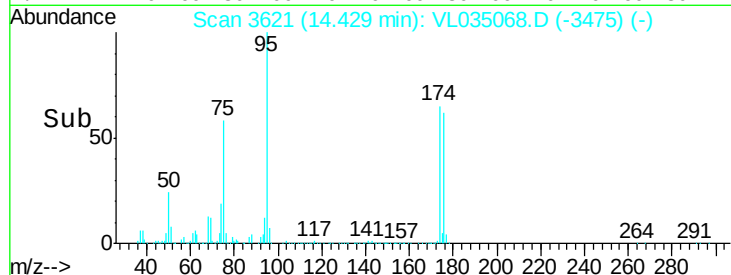
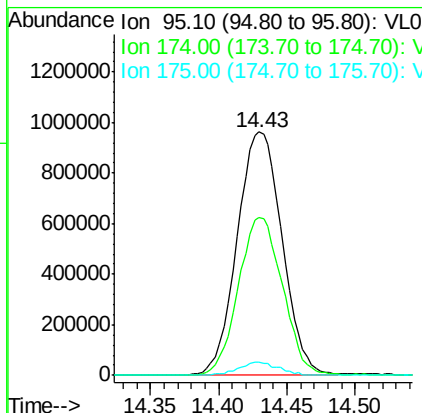
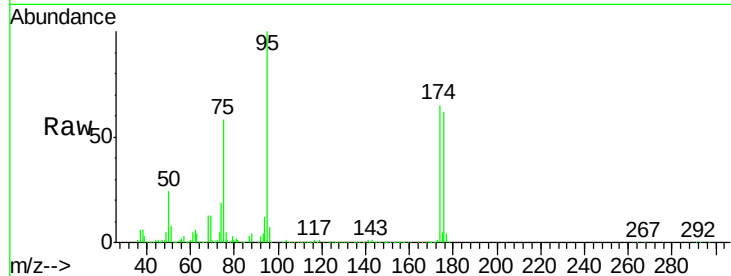
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.781 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.03 min
 Lab File: VL035068.D
 Acq: 20 May 2020 6:41

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion: 95 Resp: 2202983
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.5 77.3
 175 4.9 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 5/20/2020 4:28:27 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.164 ppbv m
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.03 min
 Lab File: VL035068.D
 Acq: 20 May 2020 6:41

Tgt Ion: 105 Resp: 52624
 Ion Ratio Lower Upper
 105 100
 120 32.7 36.8 55.2#
 91 18.4 35.4 53.0#
 77 11.2 16.2 24.2#

