

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032965.D
 Acq On : 11 Dec 2018 21:58
 Operator : SY/AP
 Sample : J6264-14DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G3DL

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:46 AM

Quant Time: Dec 12 17:11:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1416866	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3690903	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3504500	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2748895	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	12365	0.198	ppbv	90
9) Propene	3.04	41	35661	0.840	ppbv	85
10) Heptane	8.25	43	122309	0.767	ppbv	97
11) Trichlorofluoromethane	4.01	101	120983	0.679	ppbv	94
13) Ethanol	3.66	45	101995	6.982	ppbv	94
15) Acetone	3.90	43	2605417	21.424	ppbv	99
19) Isopropyl Alcohol	4.04	45	82756	1.084	ppbv #	95
26) Hexane	5.78	57	196048	1.478	ppbv #	45
27) Carbon Disulfide	4.62	76	68956	0.416	ppbv #	84
30) Cyclohexane	7.26	84	25312m	0.230	ppbv	
34) 2-Butanone	5.34	43	198624	1.235	ppbv	99
36) Benzene	7.01	78	279687	1.030	ppbv	95
44) 2,2,4-Trimethylpentane	7.99	57	190134	0.413	ppbv	92
53) Toluene	9.95	91	613540	2.131	ppbv	99
59) m/p-Xylene	13.12	91	129000m	0.381	ppbv	
60) o-Xylene	13.85	91	37381	0.109	ppbv	99
62) Isopropylbenzene	14.83	105	1718099	3.598	ppbv	100

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

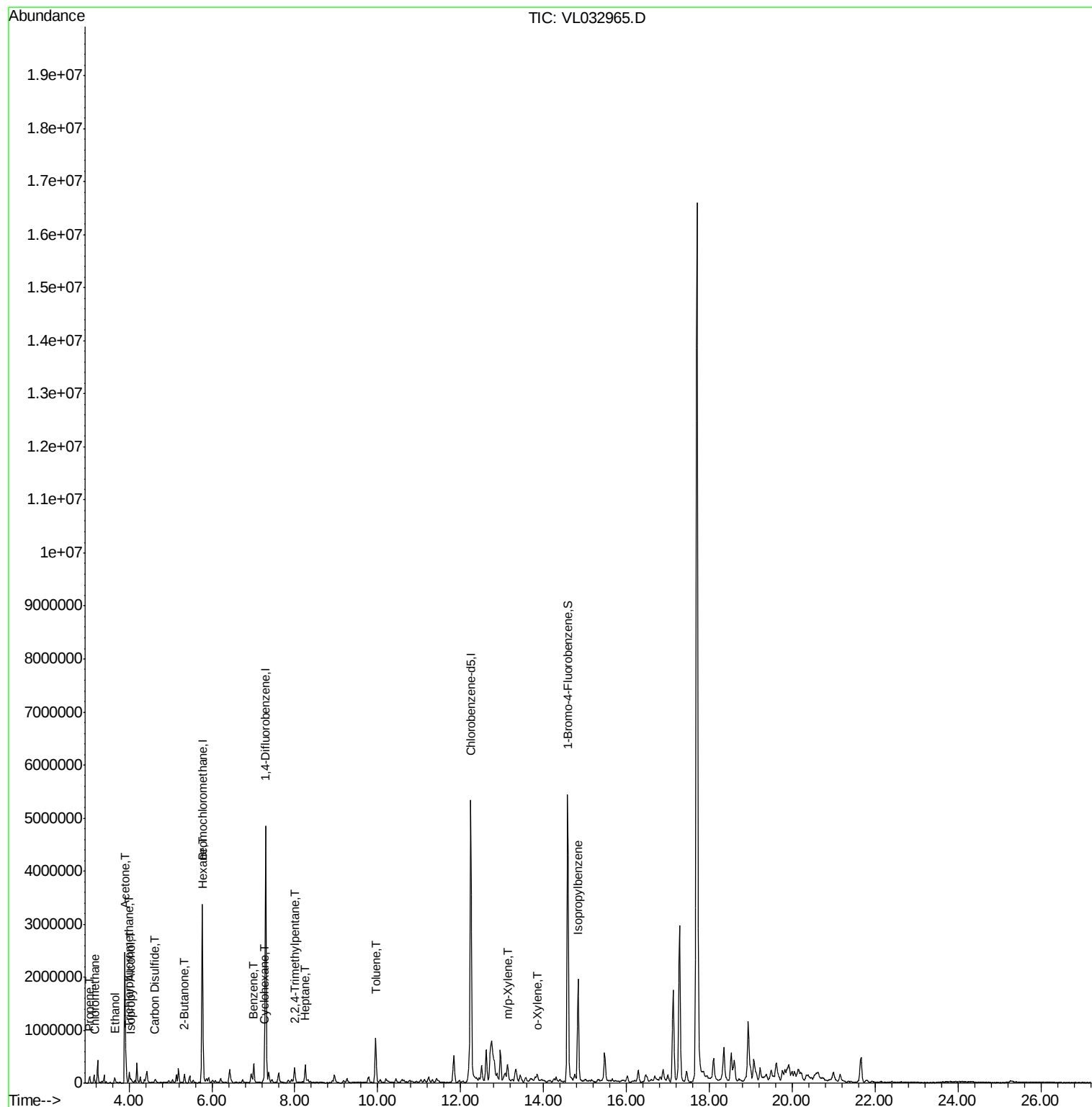
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032965.D
Acq On : 11 Dec 2018 21:58
Operator : SY/AP
Sample : J6264-14DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

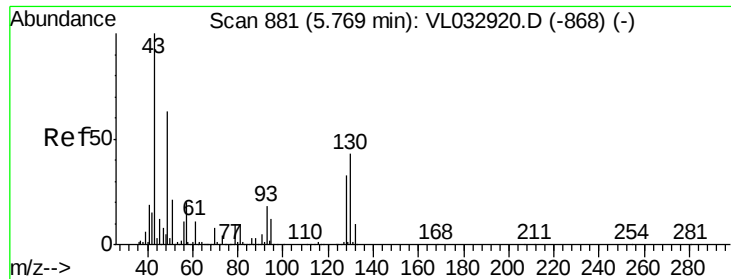
Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

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Quant Time: Dec 12 17:11:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032965.D

Acq: 11 Dec 2018 21:58

Instrument :

MSVOA_L

ClientSampleId :

A55G3DL

Tot Ion: 49 Resp: 1416866

Ion Ratio Lower Upper

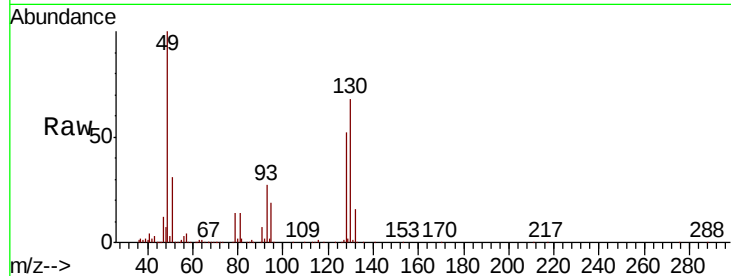
49 100

128 52.3 26.3 78.8

130 66.2 33.9 101.7

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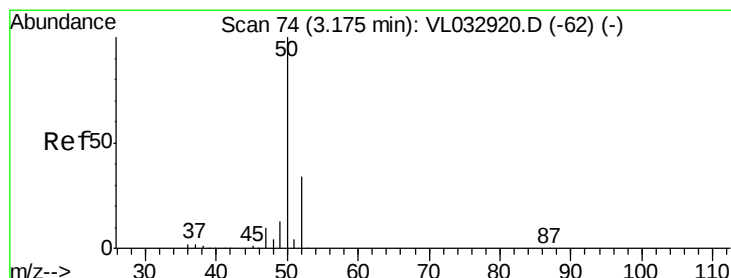
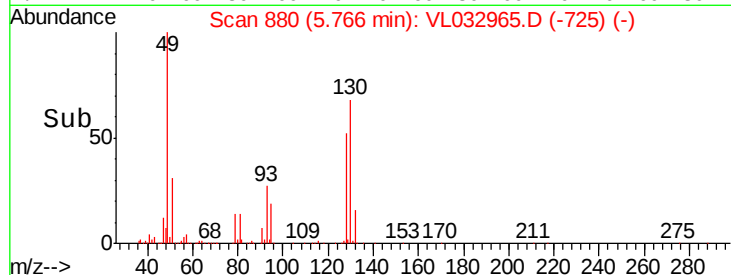
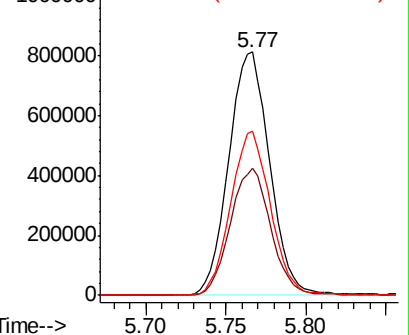
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.198 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032965.D

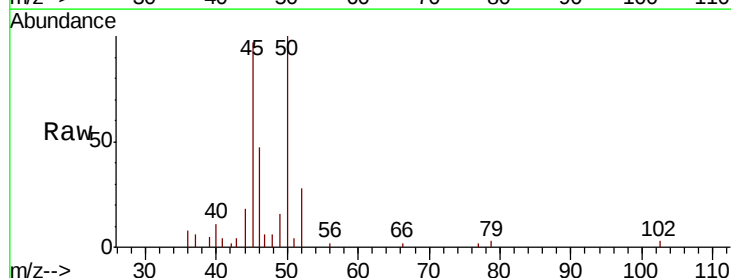
Acq: 11 Dec 2018 21:58

Tgt Ion: 50 Resp: 12365

Ion Ratio Lower Upper

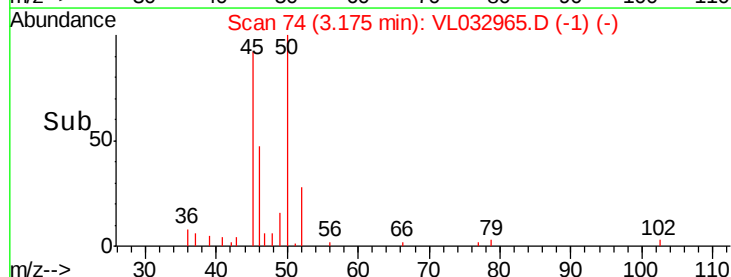
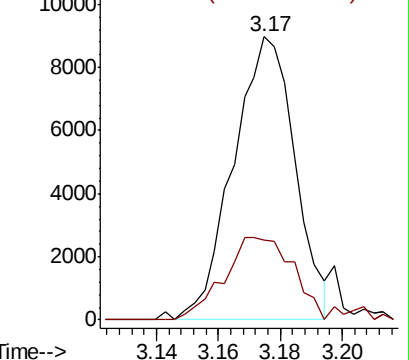
50 100

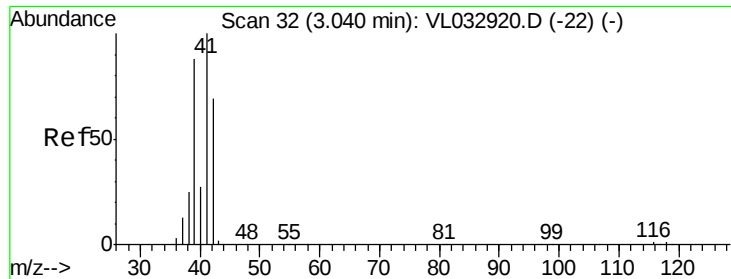
52 28.3 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.840 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032965.D

Acq: 11 Dec 2018 21:58

Instrument :

MSVOA_L

ClientSampled :

A55G3DL

Tot Ion: 41 Resp: 35661

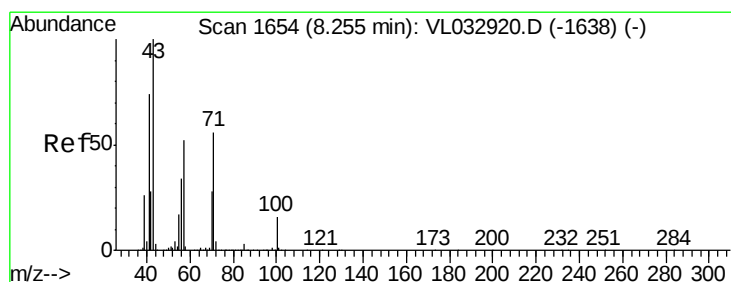
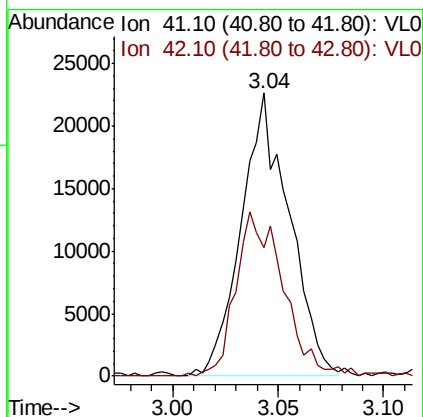
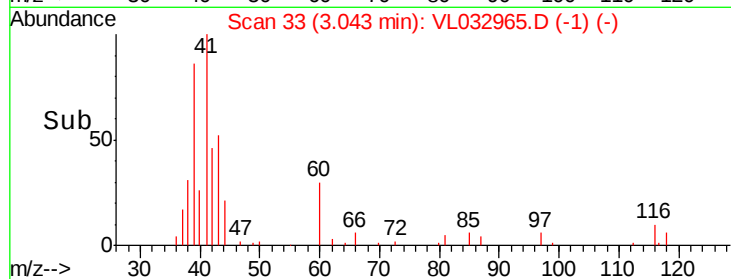
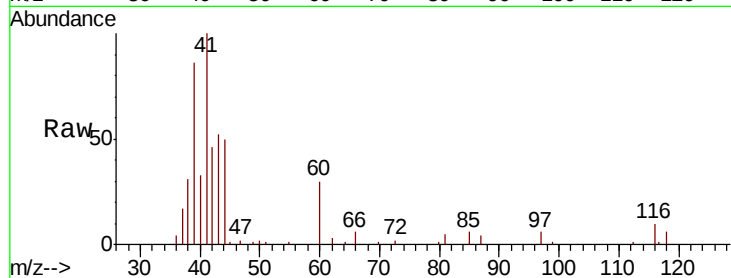
Ion Ratio Lower Upper

41 100

42 58.2 56.2 84.2

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#10

Heptane

Concen: 0.767 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL032965.D

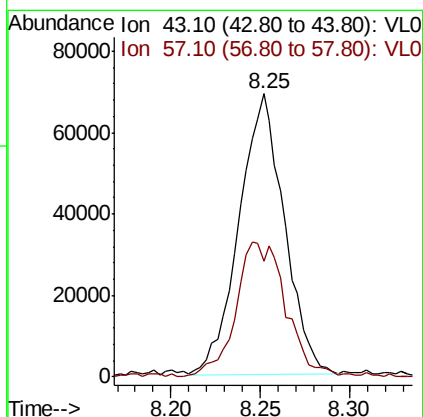
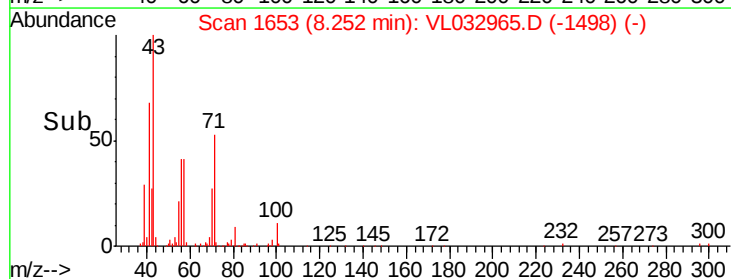
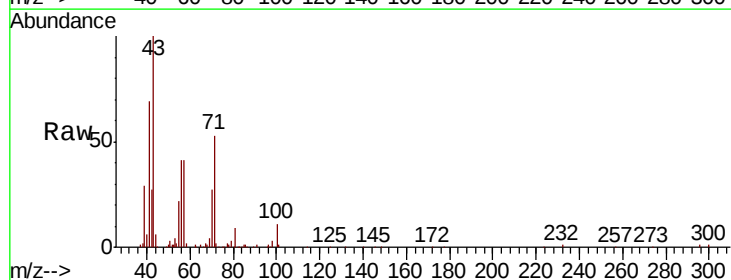
Acq: 11 Dec 2018 21:58

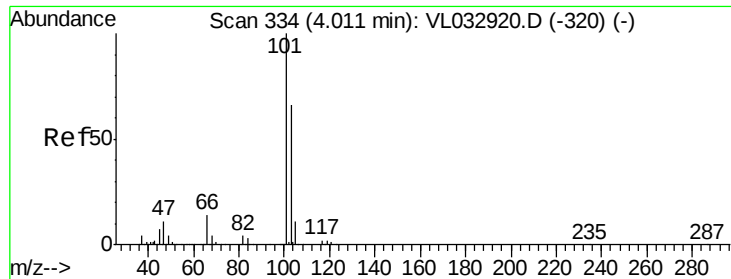
Tgt Ion: 43 Resp: 122309

Ion Ratio Lower Upper

43 100

57 54.1 41.8 62.6





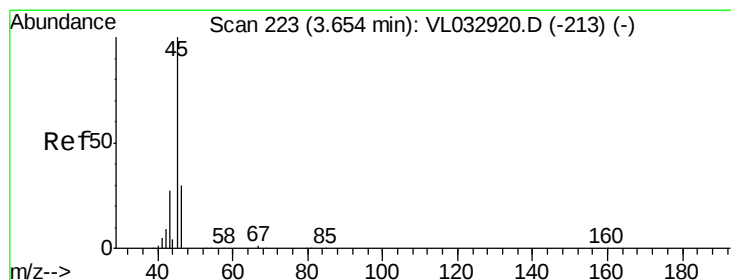
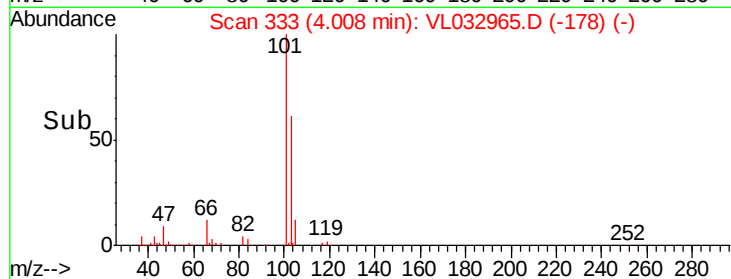
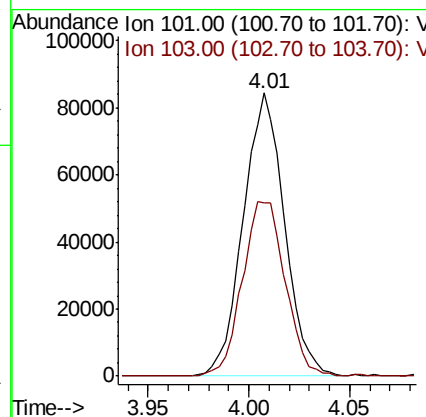
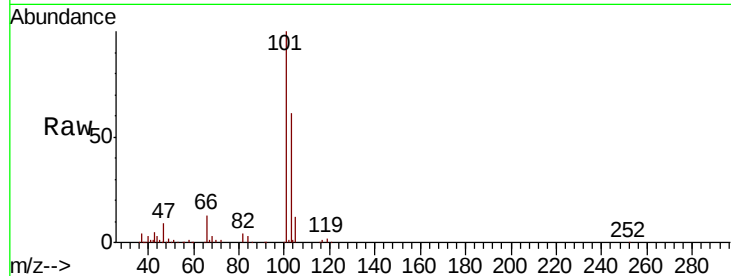
#11
Trichlorofluoromethane
Concen: 0.679 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	61.2	52.7	79.1	

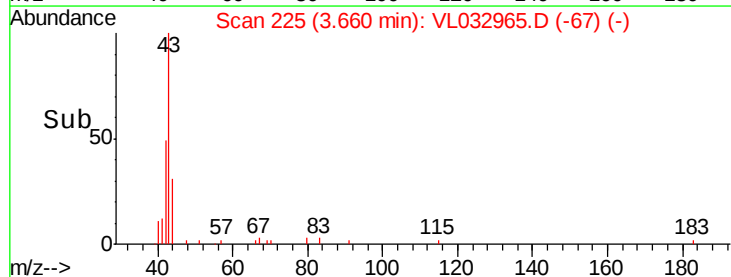
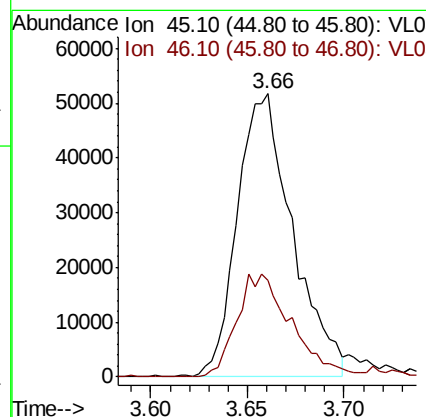
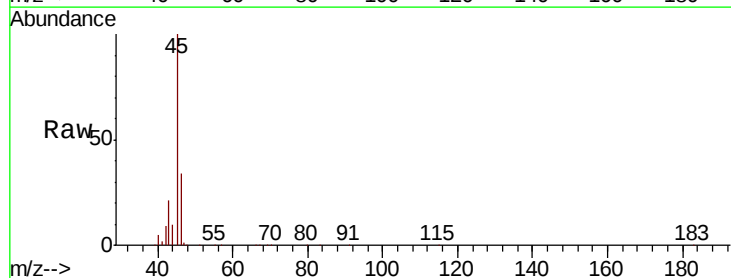
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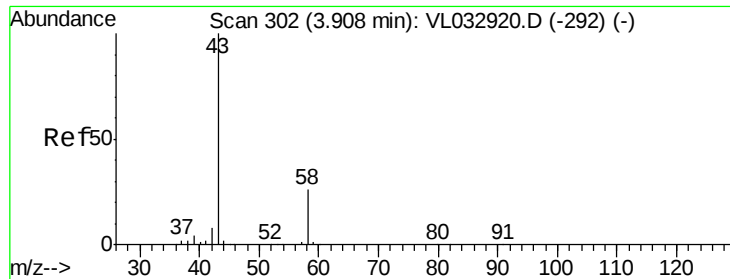
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#13
Ethanol
Concen: 6.982 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
46	38.1	13.8	55.4	





#15

Acetone

Concen: 21.424 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL032965.D

Acq: 11 Dec 2018 21:58

Instrument :

MSVOA_L

ClientSampleId :

A55G3DL

Tot Ion: 43 Resp: 2605417

Ion Ratio Lower Upper

43 100

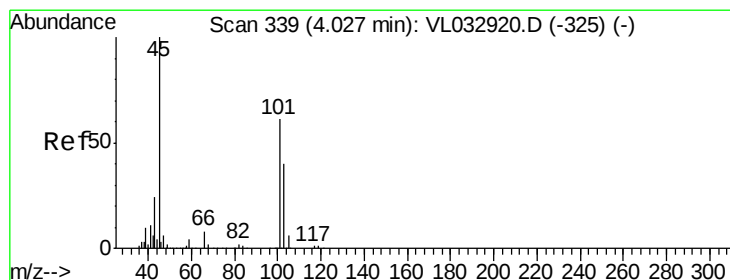
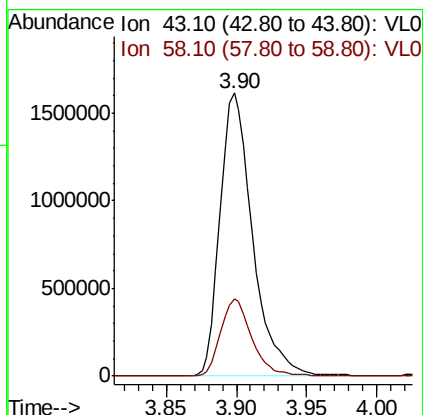
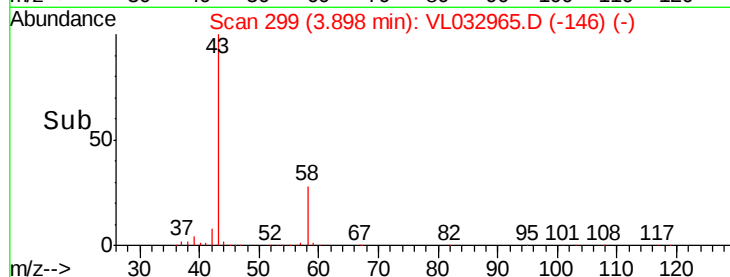
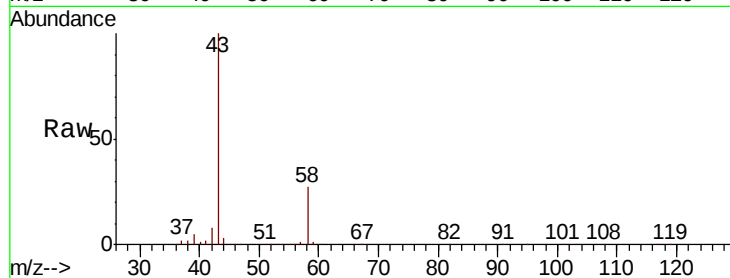
58 26.4 20.6 30.8

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 1.084 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL032965.D

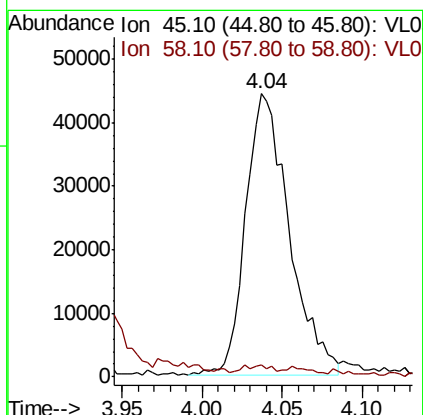
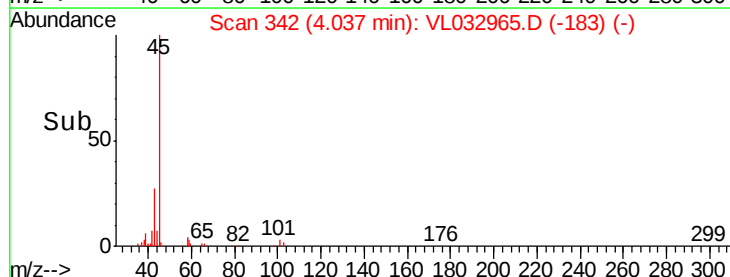
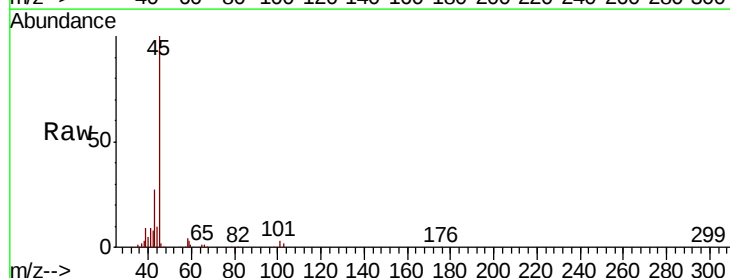
Acq: 11 Dec 2018 21:58

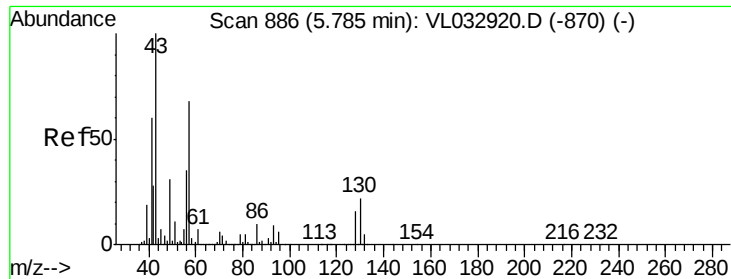
Tgt Ion: 45 Resp: 82756

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#





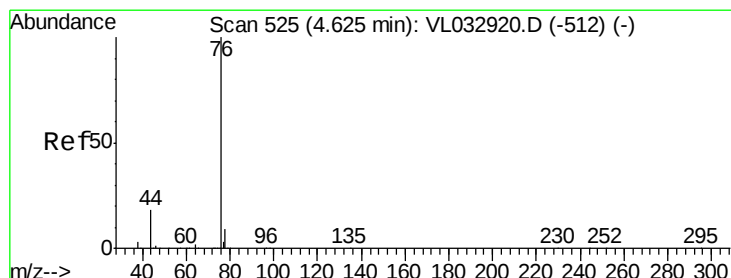
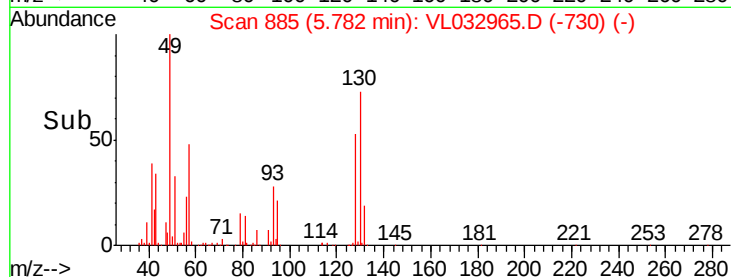
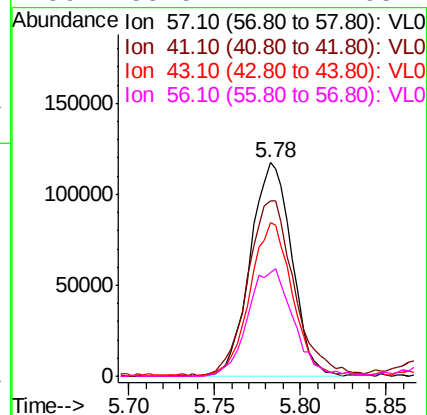
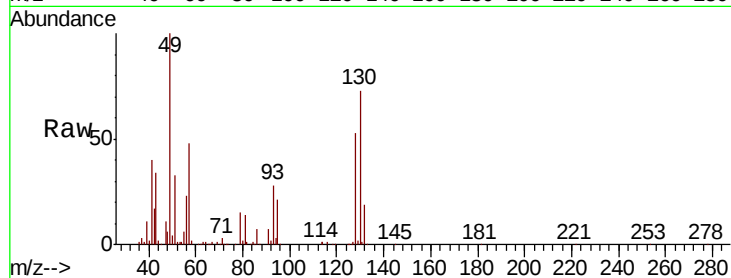
#26
Hexane
Concen: 1.478 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

Tot Ion	57	Resp	196048
Ion	Ratio	Lower	Upper
57	100		
41	92.6	72.2	108.2
43	73.9	171.9	257.9#
56	55.5	42.2	63.2

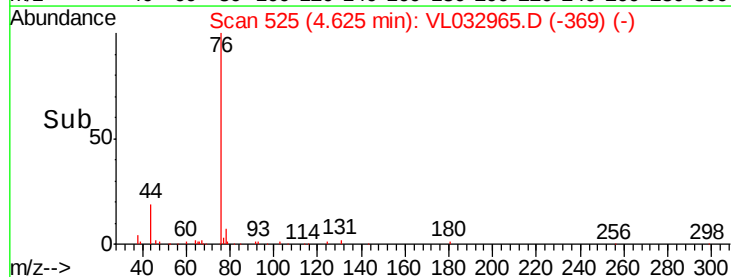
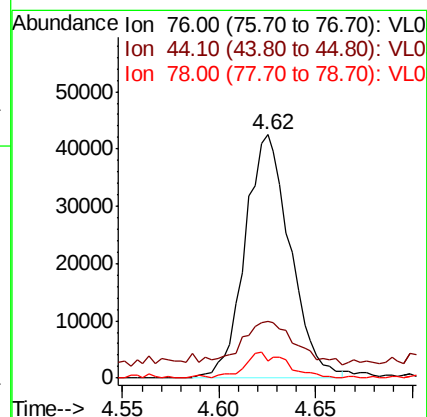
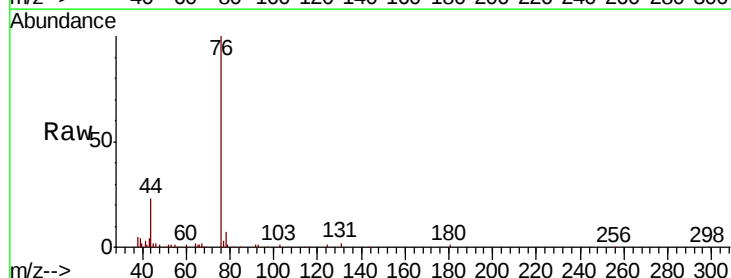
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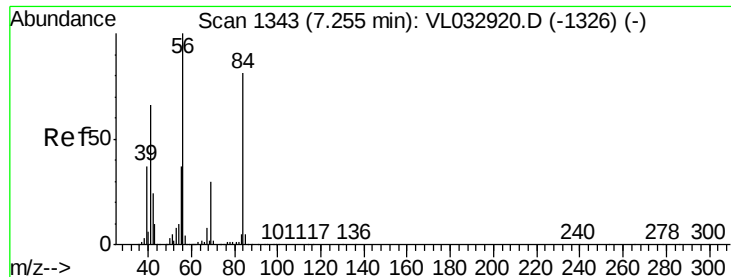
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#27
Carbon Disulfide
Concen: 0.416 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Tgt Ion	76	Resp	68956
Ion	Ratio	Lower	Upper
76	100		
44	28.2	14.7	22.1#
78	10.4	7.4	11.2





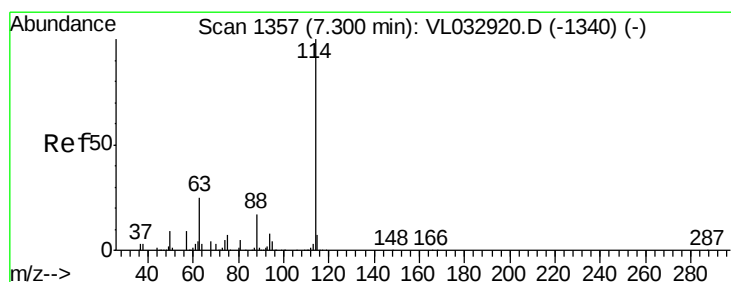
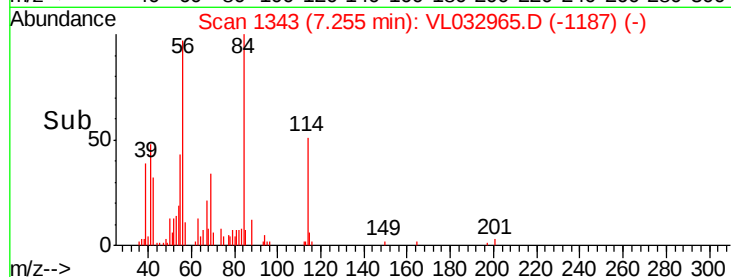
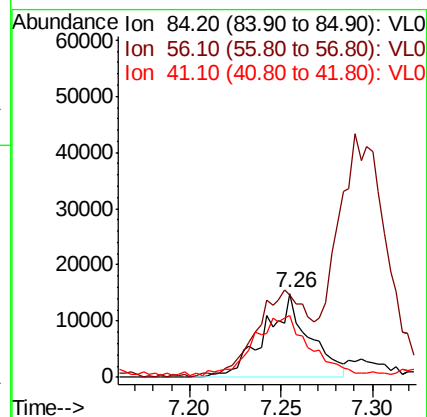
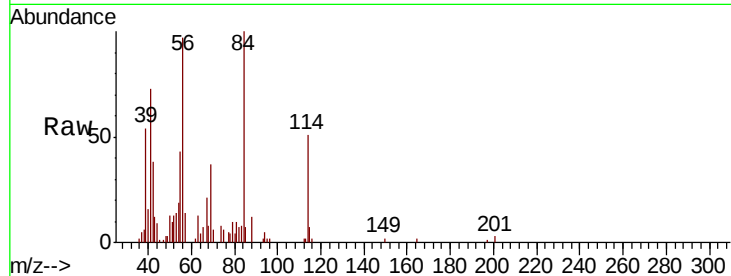
#30
Cvclohexane
Concen: 0.230 ppbv m
RT: 7.26 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.5	153.7#
41	93.2	64.1	96.1

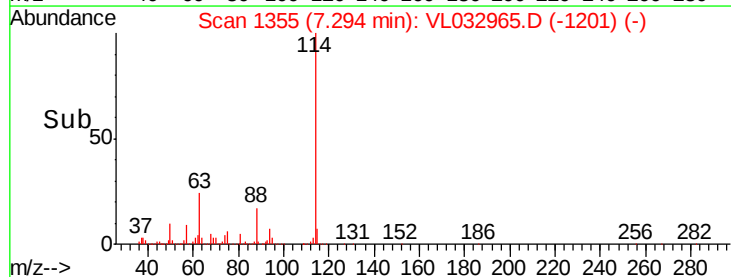
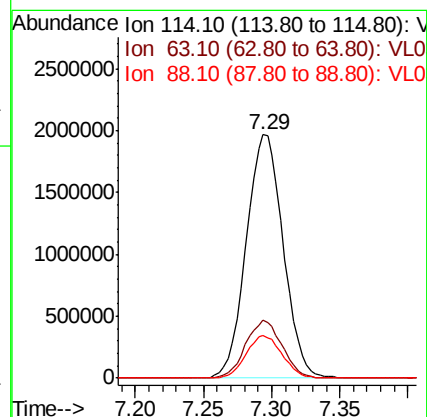
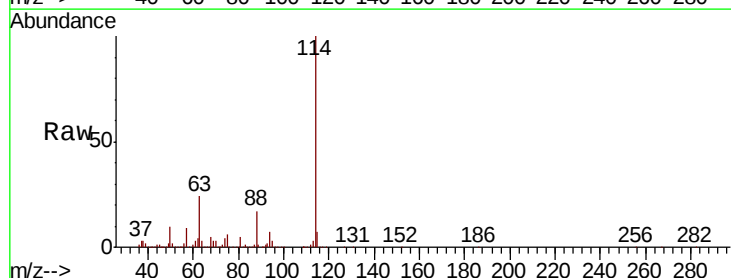
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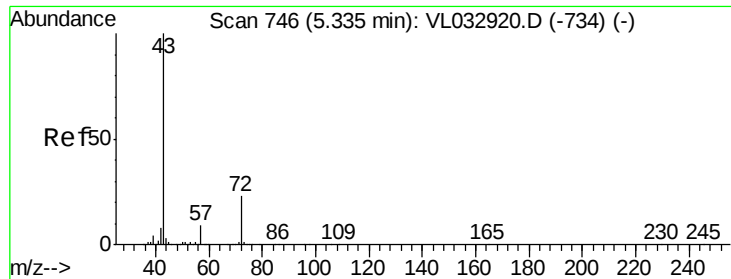
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	20.1	30.1
88	17.2	14.2	21.4





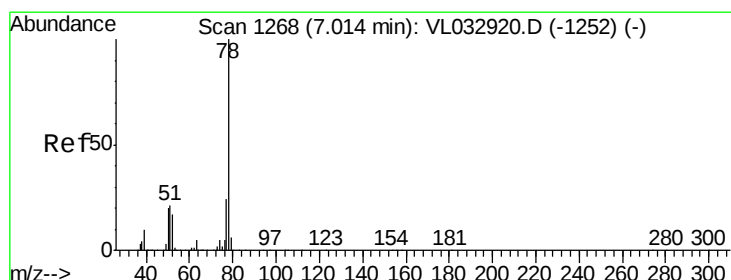
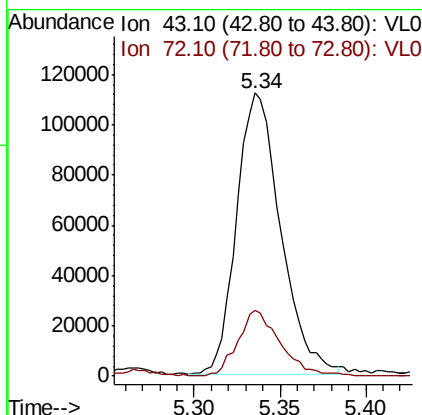
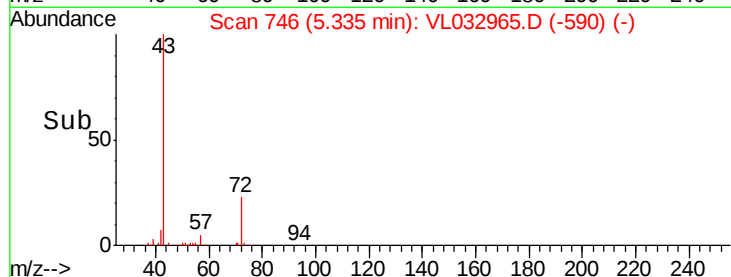
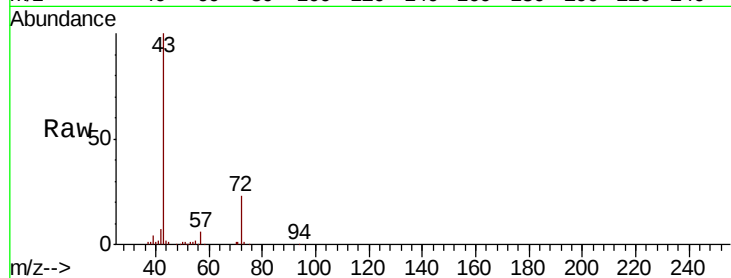
#34
2-Butanone
Concen: 1.235 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.8	28.2

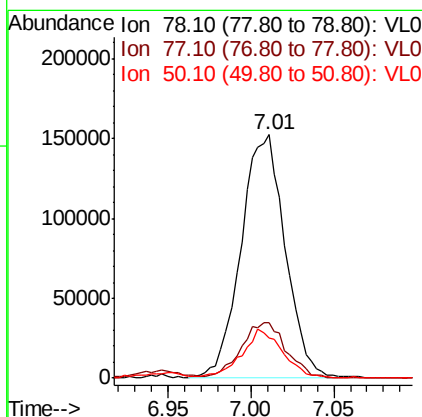
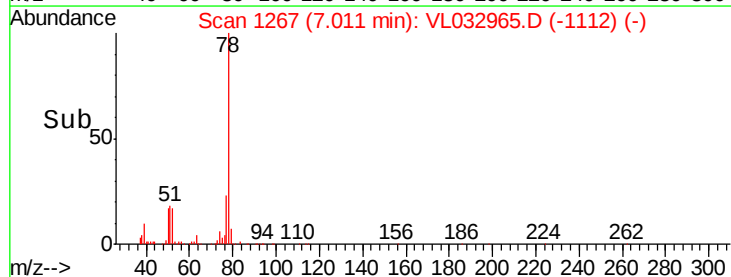
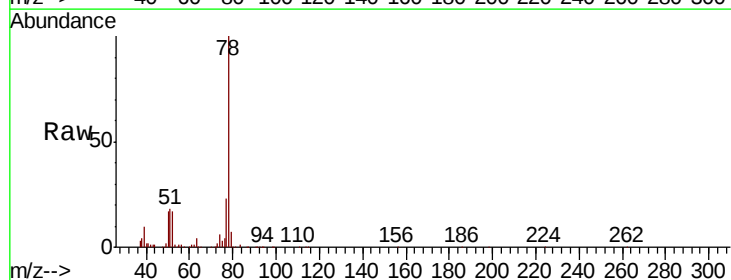
Manual Integrations
APPROVED

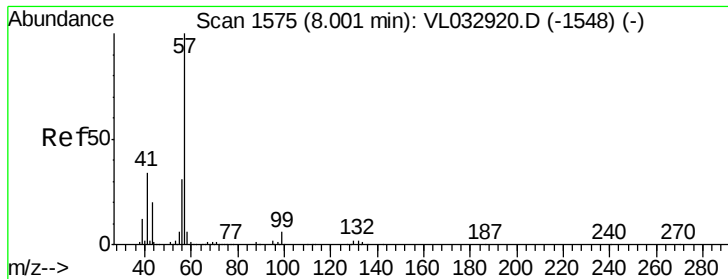
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#36
Benzene
Concen: 1.030 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3
50	16.6	16.1	24.1





#44

2,2,4-Trimethylpentane

Concen: 0.413 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL032965.D

Acq: 11 Dec 2018 21:58

Instrument :

MSVOA_L

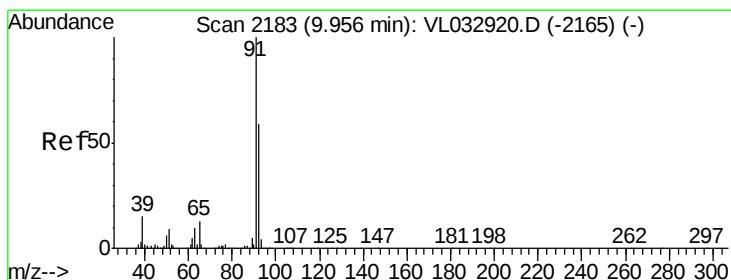
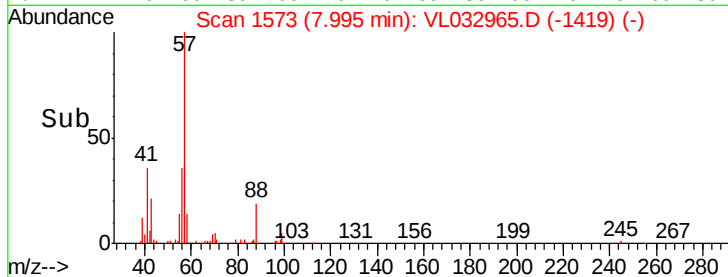
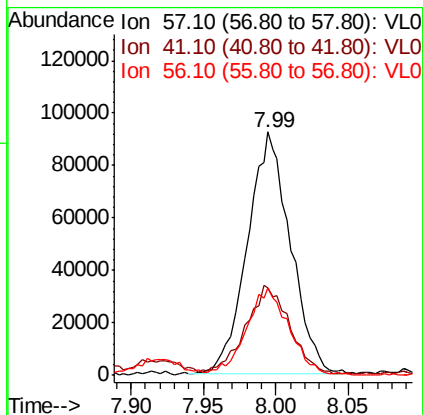
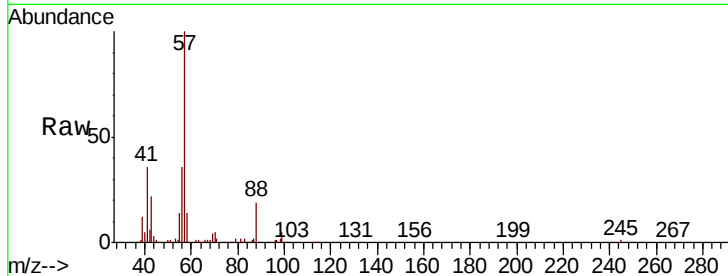
ClientSampleId :

A55G3DL

Tot Ion:	57	Resp:	190134
Ion	Ratio	Lower	Upper
57	100		
41	37.6	27.0	40.4
56	35.9	24.6	37.0

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#53

Toluene

Concen: 2.131 ppbv

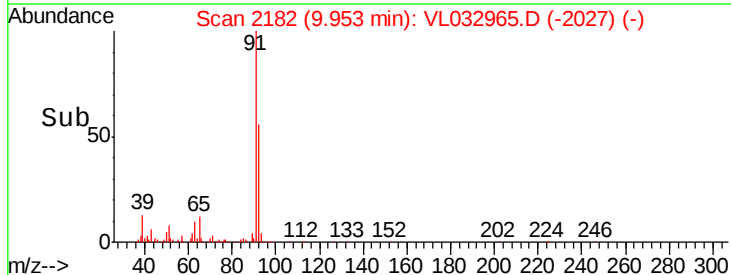
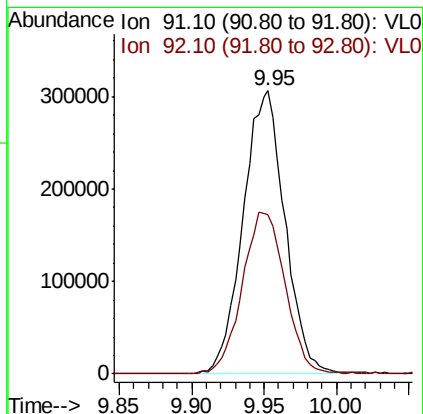
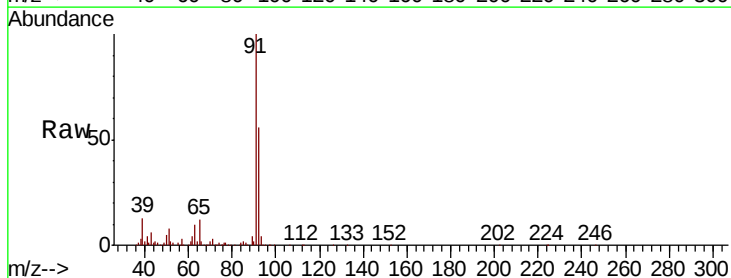
RT: 9.95 min Scan# 2182

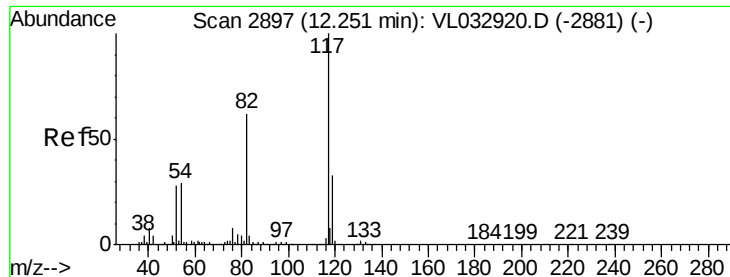
Delta R.T. -0.00 min

Lab File: VL032965.D

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Tgt Ion:	91	Resp:	613540
Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.4	71.0





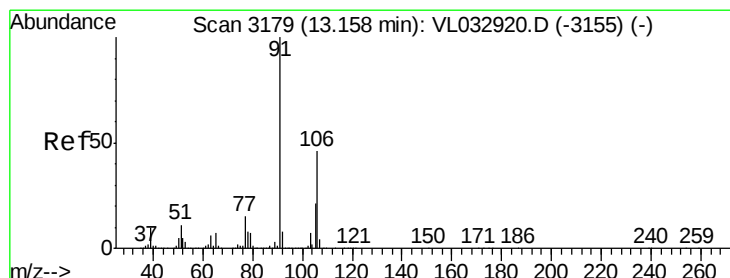
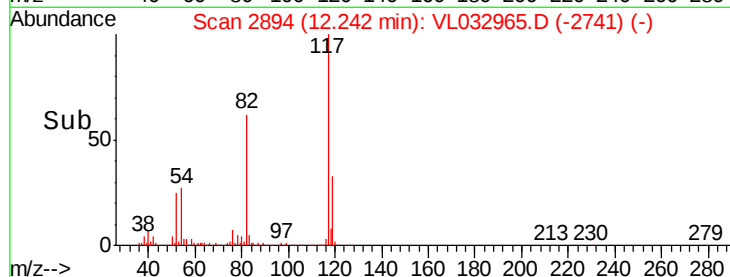
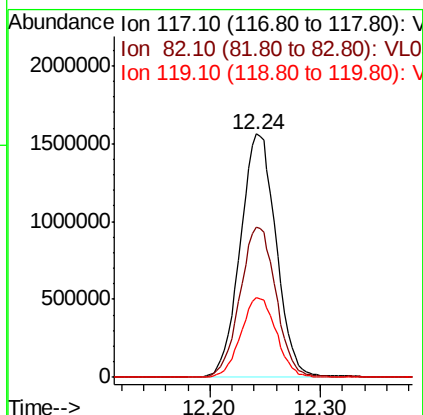
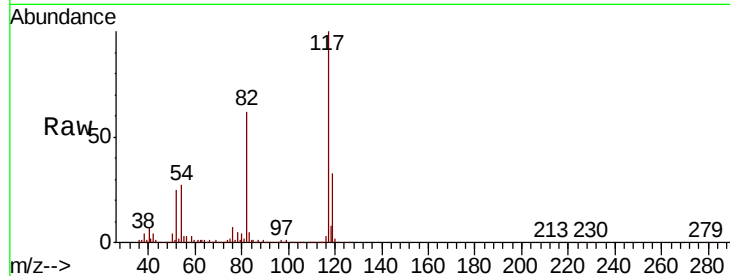
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.8	71.8
119	32.6	43.1	64.7#

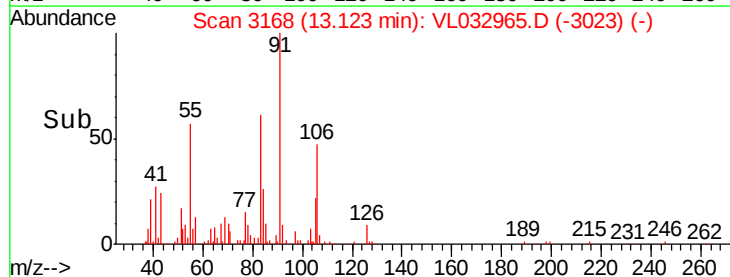
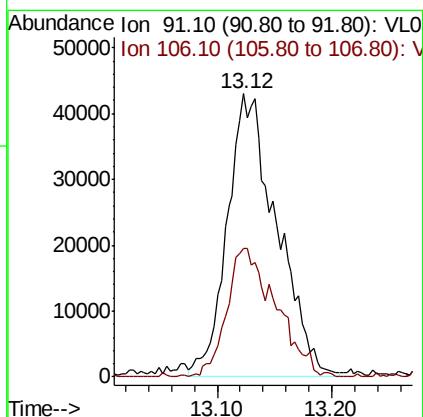
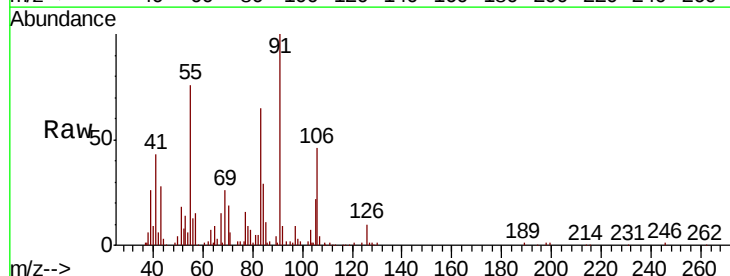
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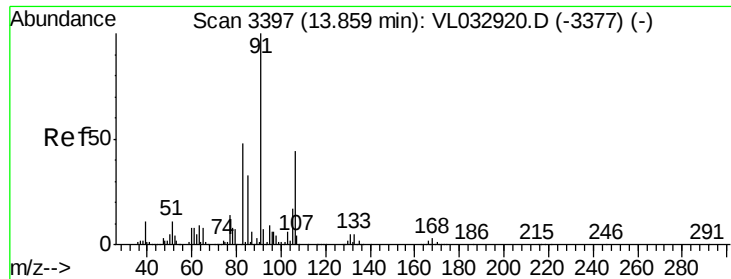
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#59
m/p-Xylene
Concen: 0.381 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0





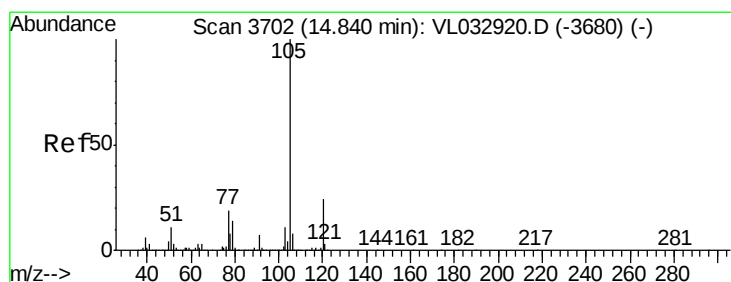
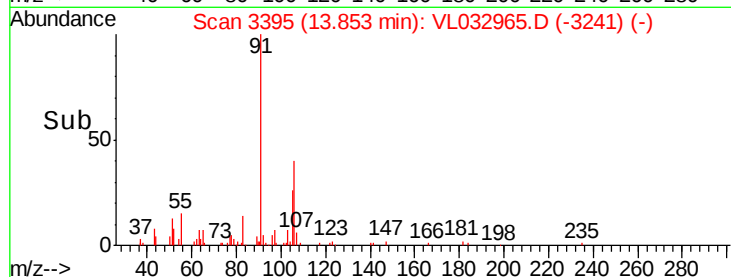
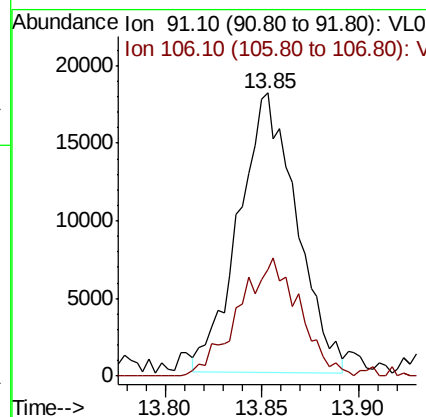
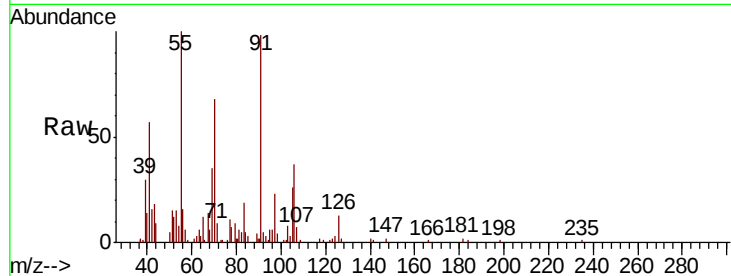
#60
o-Xylene
Concen: 0.109 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL

Tot Ion: 91 Resp: 37381
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.8

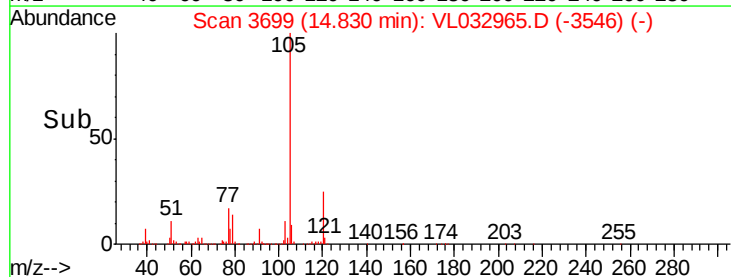
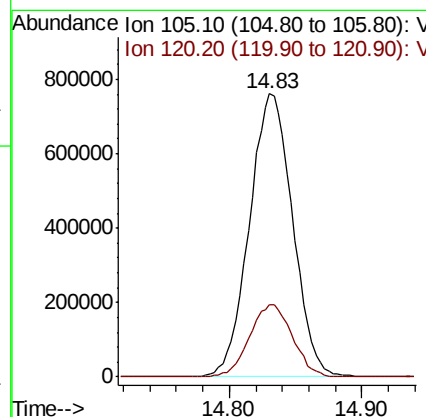
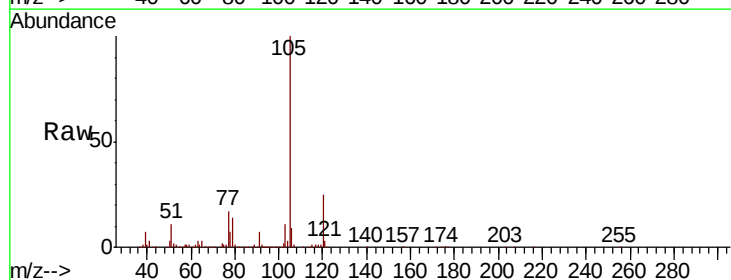
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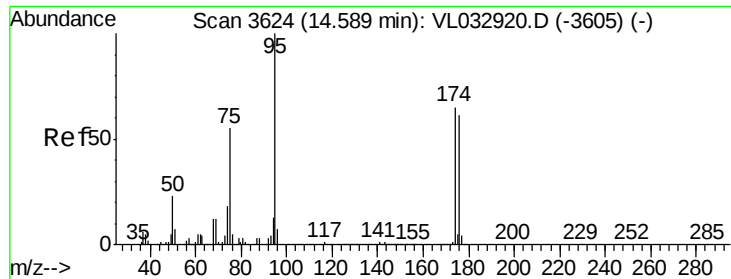
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#62
Isopropylbenzene
Concen: 3.598 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032965.D
Acq: 11 Dec 2018 21:58

Tgt Ion: 105 Resp: 1718099
Ion Ratio Lower Upper
105 100
120 25.6 20.3 30.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.617 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032965.D
 Acq: 11 Dec 2018 21:58

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.2	51.4	77.0
175	5.0	3.8	5.6

Manual Integrations
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