

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033710.D
 Acq On : 17 May 2019 10:43
 Operator : SY/AP
 Sample : K2893-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DL

Manual Integrations
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 5/20/2019 12:05:39 PM

Quant Time: May 17 23:58:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1137973	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2669123	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2750755	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2269106	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	3.05	41	216732m	3.909	ppbv	
10) Heptane	8.25	43	48586	0.309	ppbv	98
13) Ethanol	3.66	45	84264m	4.702	ppbv	
15) Acetone	3.90	43	456686m	2.892	ppbv	
20) Methylene Chloride	4.41	84	21939	0.361	ppbv #	93
26) Hexane	5.78	57	96480	0.809	ppbv #	48
27) Carbon Disulfide	4.62	76	57891	0.354	ppbv #	79
30) Cyclohexane	7.25	84	18310m	0.183	ppbv	
34) 2-Butanone	5.34	43	37350	0.226	ppbv	100
36) Benzene	7.00	78	63921m	0.263	ppbv	
41) Tetrahydrofuran	6.16	42	15141	0.163	ppbv	96
53) Toluene	9.94	91	290261	1.108	ppbv	98
58) Ethyl Benzene	12.86	91	321849	0.884	ppbv	92
59) m/p-Xylene	13.12	91	853981m	2.682	ppbv	
60) o-Xylene	13.84	91	185812	0.579	ppbv	98

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

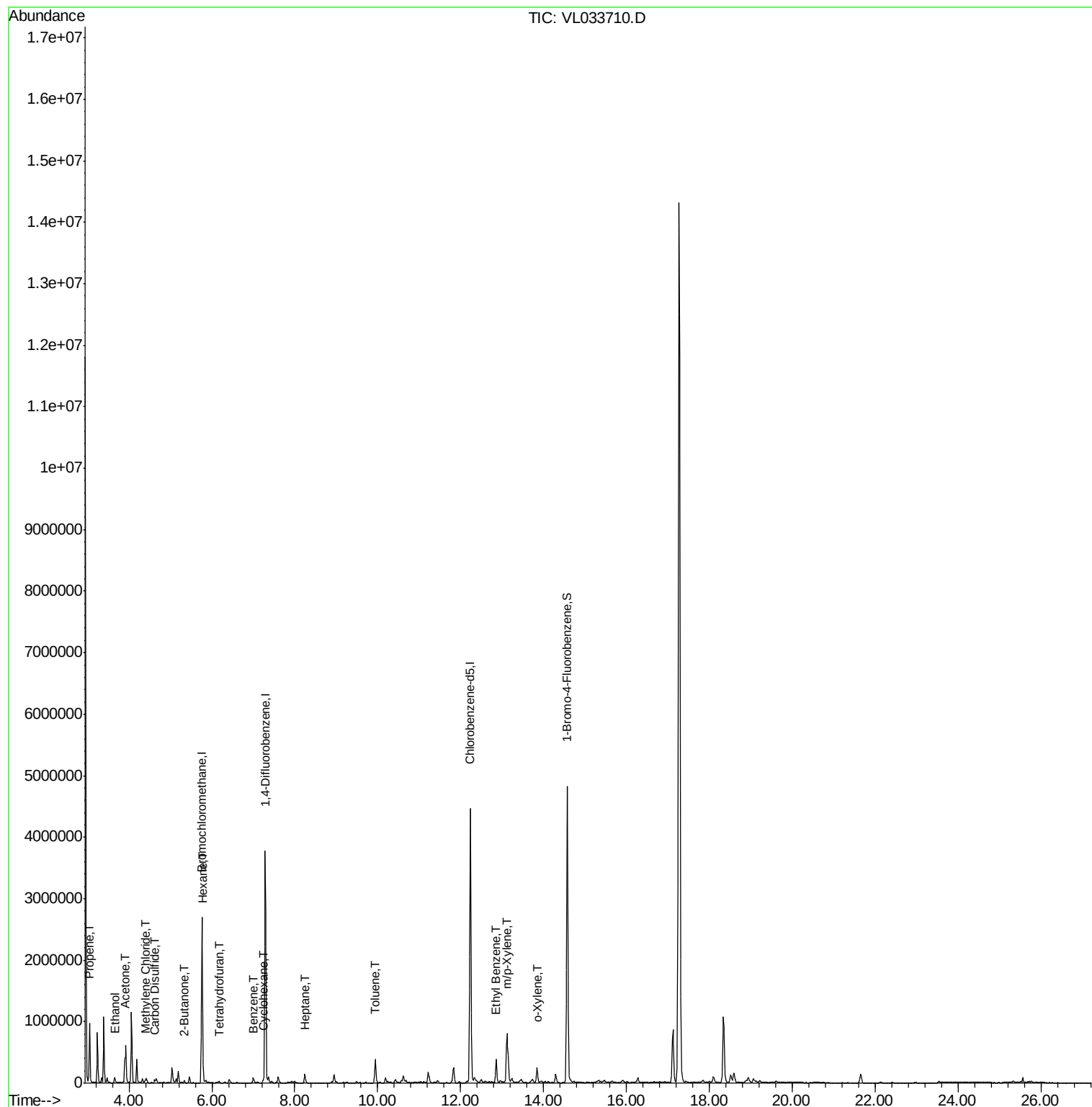
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051719\
Data File : VL033710.D
Acq On : 17 May 2019 10:43
Operator : SY/AP
Sample : K2893-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

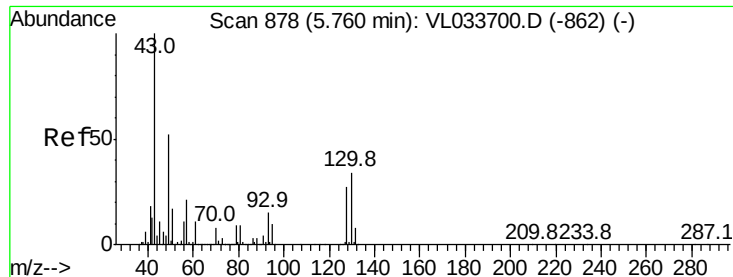
Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Manual Integrations
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5/20/2019 12:05:39 PM

Quant Time: May 17 23:58:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

Instrument :

MSVOA_L

ClientSampled :

SV-02DL

Tot Ion: 49 Resp: 1137973

Ion Ratio Lower Upper

49 100

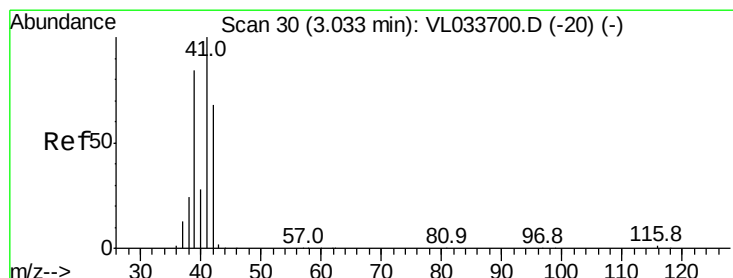
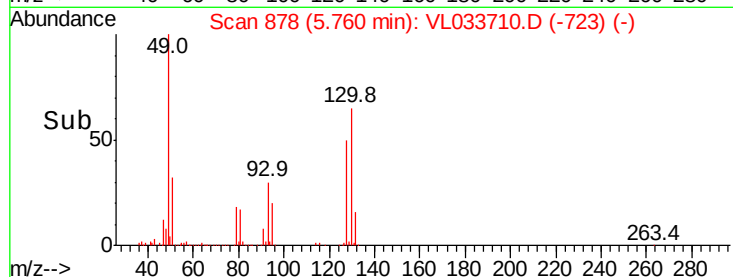
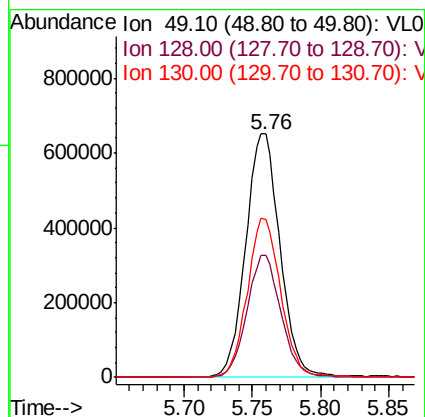
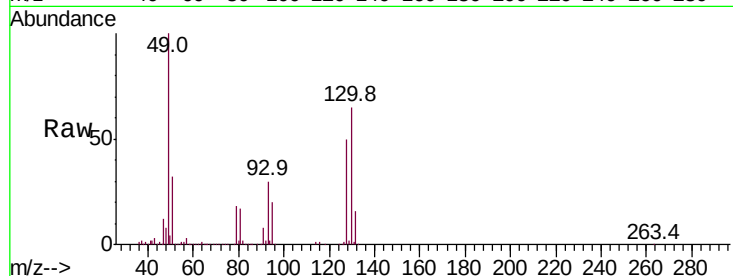
128 50.0 25.2 75.6

130 64.2 32.5 97.5

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#9

Propene

Concen: 3.909 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033710.D

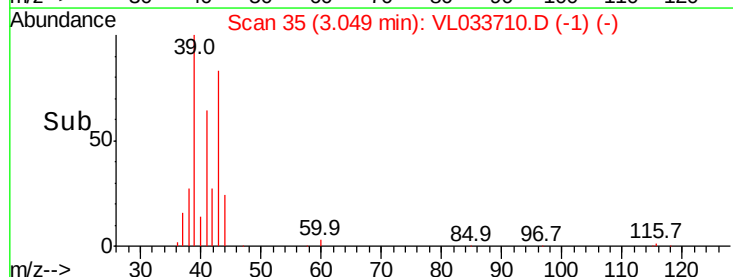
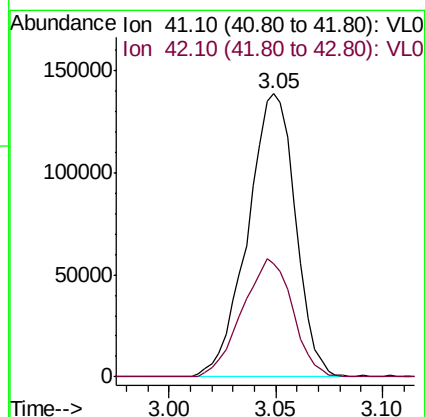
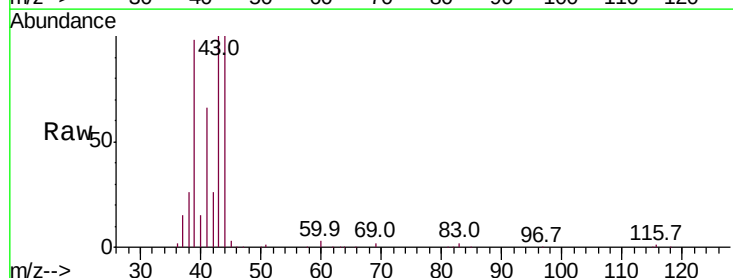
Acq: 17 May 2019 10:43

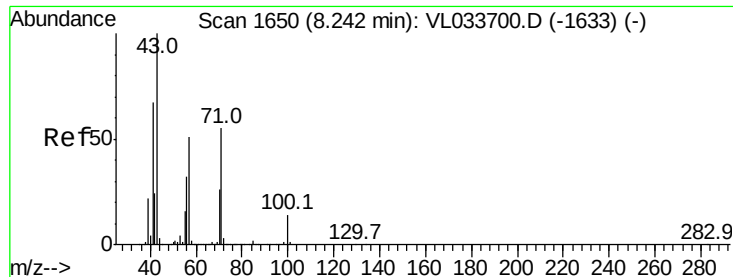
Tgt Ion: 41 Resp: 216732

Ion Ratio Lower Upper

41 100

42 65.6 56.1 84.1





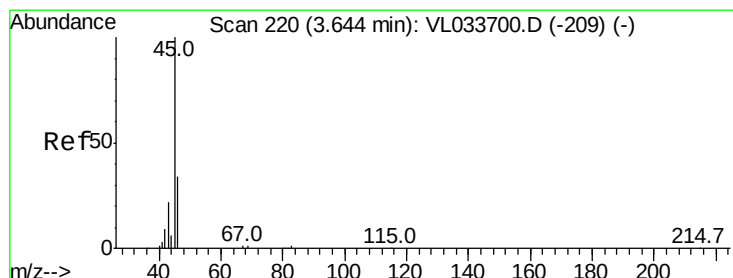
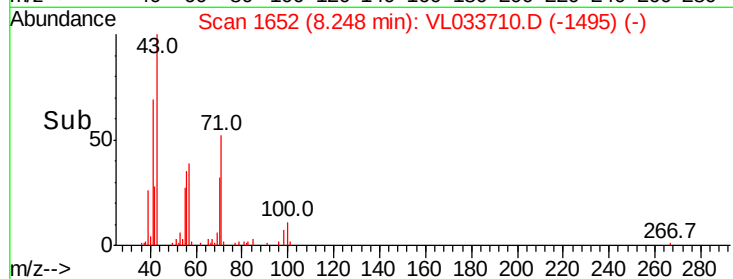
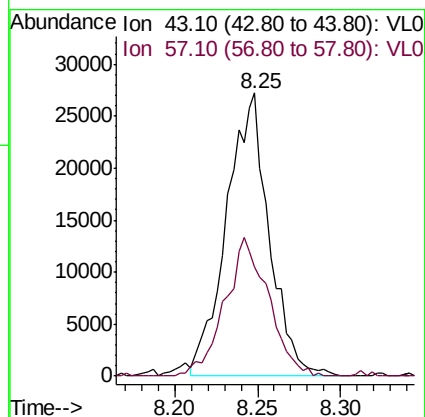
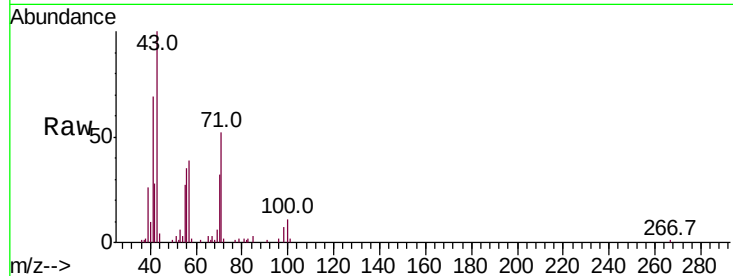
#10
Heptane
Concen: 0.309 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tot Ion: 43 Resp: 48586
Ion Ratio Lower Upper
43 100
57 50.1 41.4 62.0

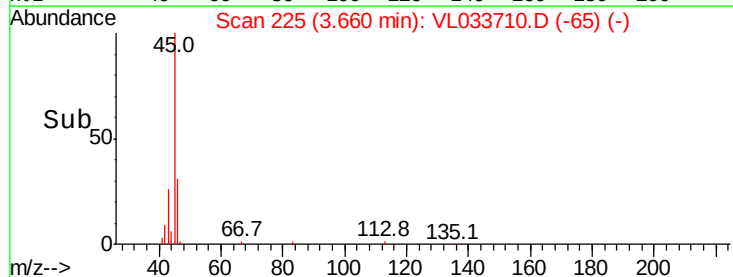
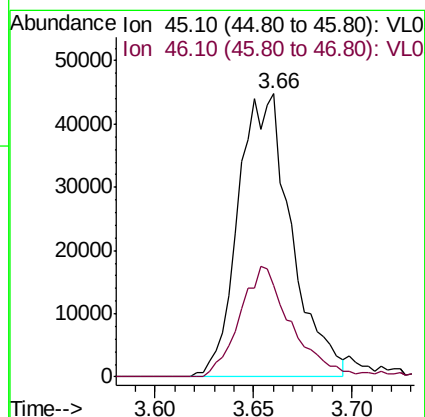
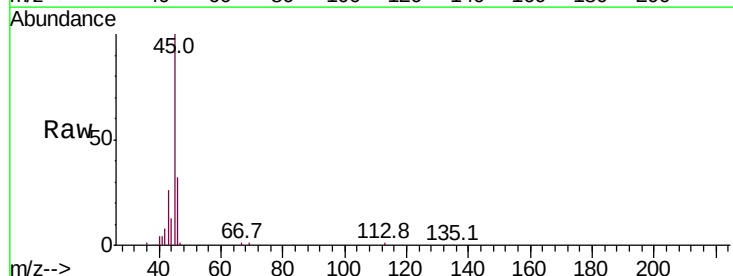
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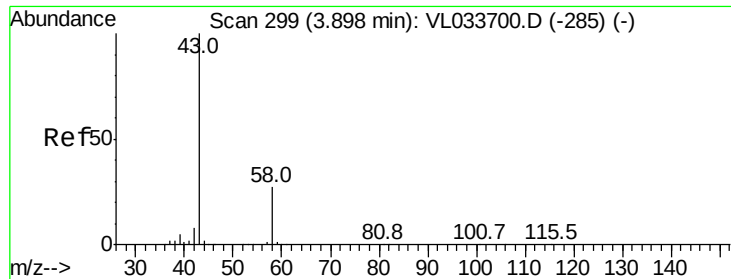
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#13
Ethanol
Concen: 4.702 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.02 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 45 Resp: 84264
Ion Ratio Lower Upper
45 100
46 39.4 14.8 59.0





#15

Acetone

Concen: 2.892 ppbv m

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

Instrument :

MSVOA_L

ClientSampleId :

SV-02DL

Tot Ion: 43 Resp: 456686

Ion Ratio Lower Upper

43 100

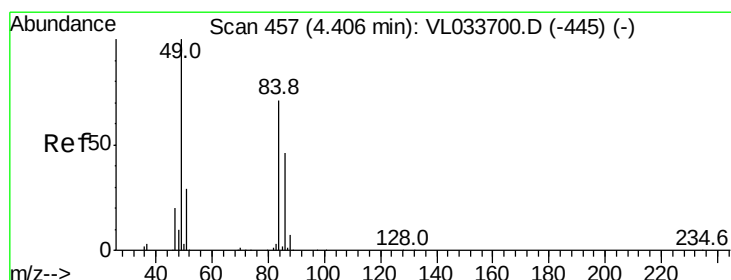
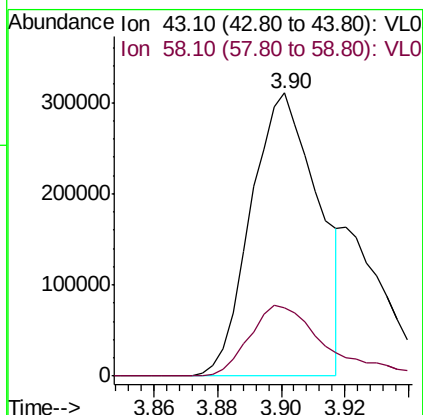
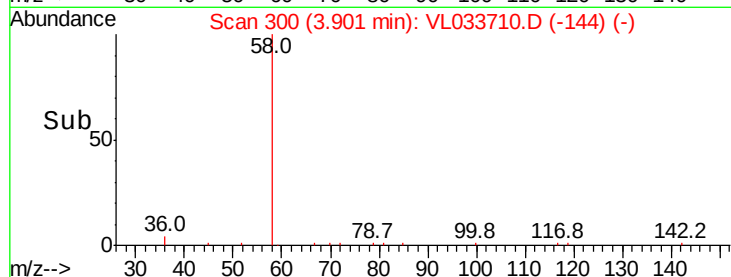
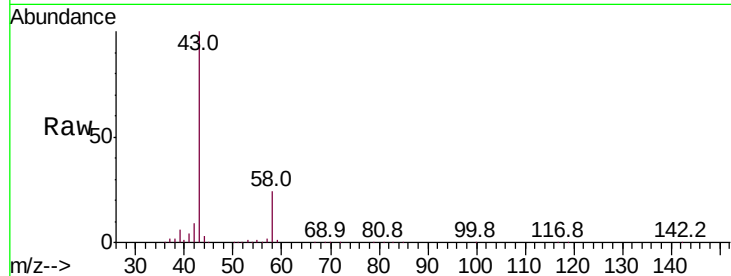
58 28.9 21.3 31.9

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#20

Methylene Chloride

Concen: 0.361 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

Tgt Ion: 84 Resp: 21939

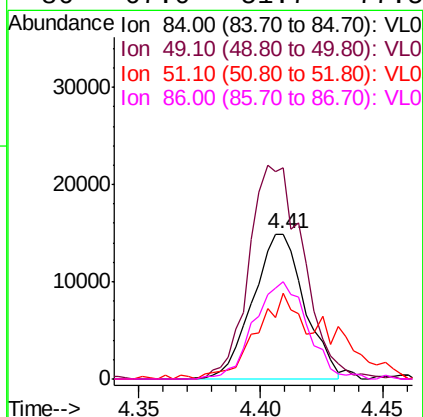
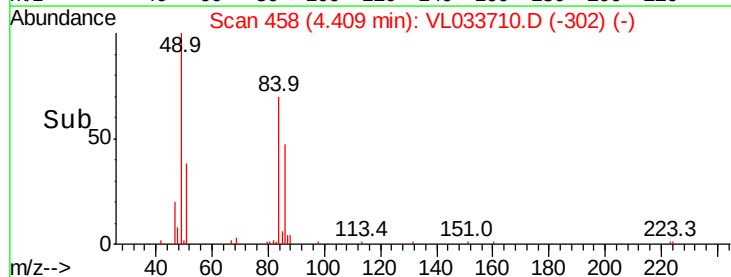
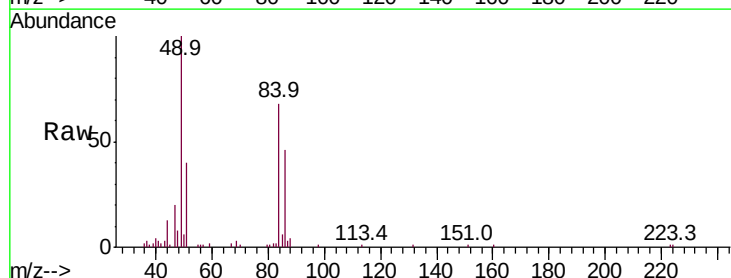
Ion Ratio Lower Upper

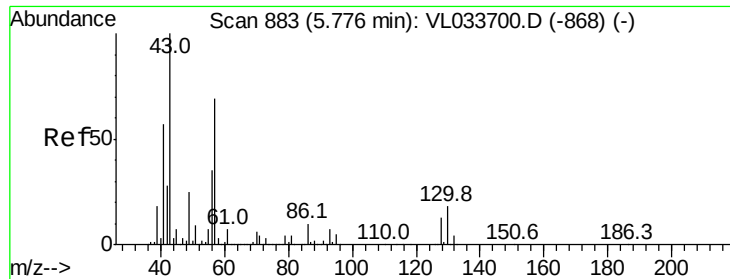
84 100

49 146.0 112.8 169.2

51 57.3 33.4 50.0#

86 67.0 51.7 77.5





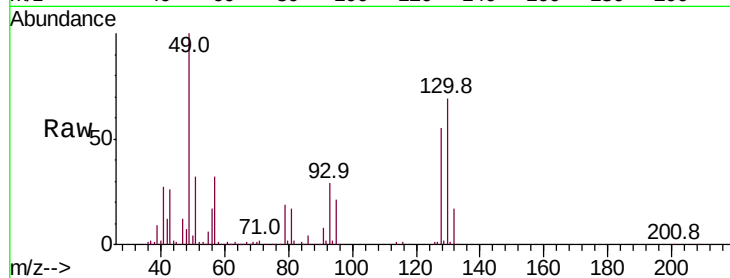
#26
Hexane
Concen: 0.809 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

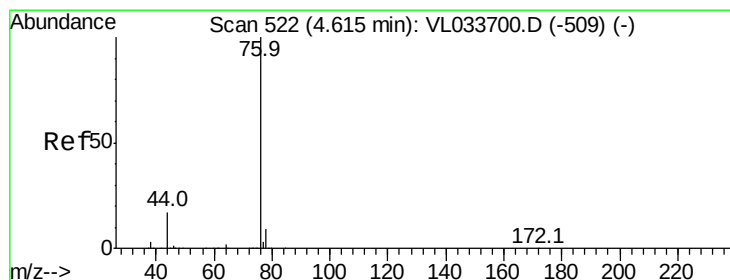
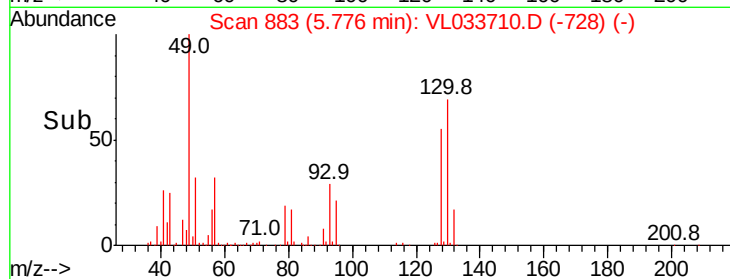
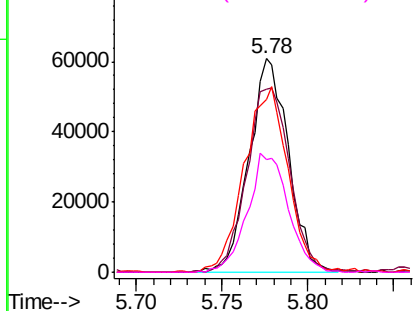
Tot Ion	Ratio	Lower	Upper
57	100		
41	94.5	69.8	104.6
43	97.8	181.8	272.6#
56	57.6	42.1	63.1

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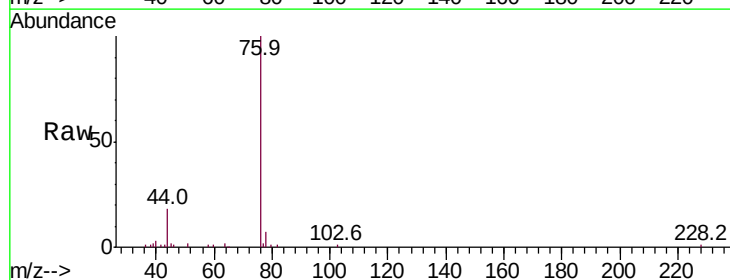


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

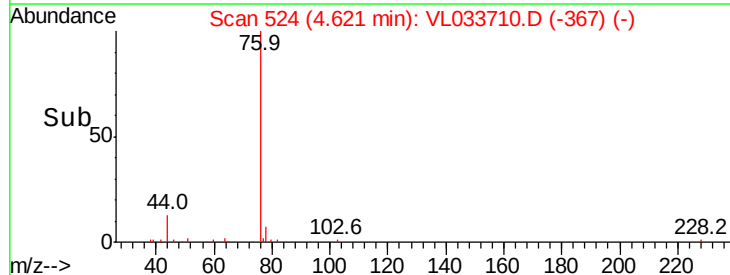
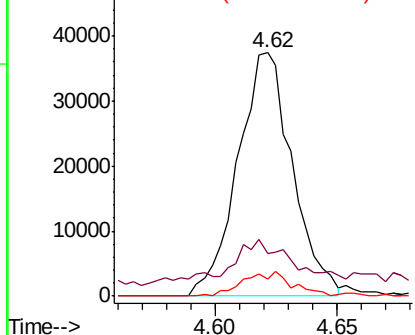


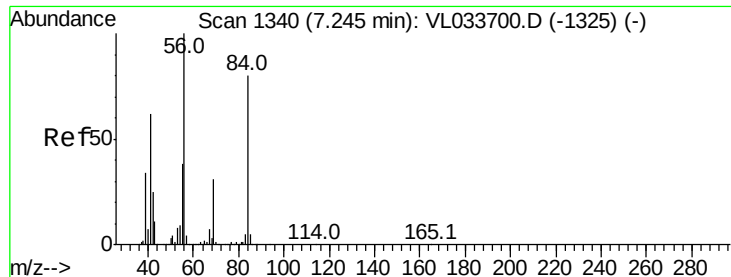
#27
Carbon Disulfide
Concen: 0.354 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
76	100		
44	31.1	13.8	20.8#
78	9.6	7.4	11.0



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





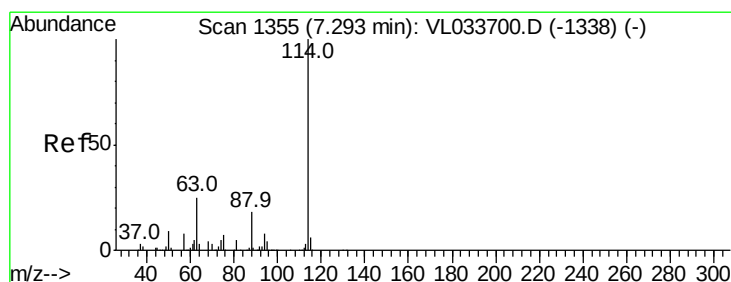
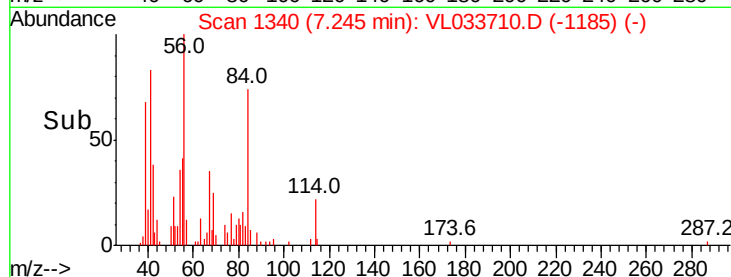
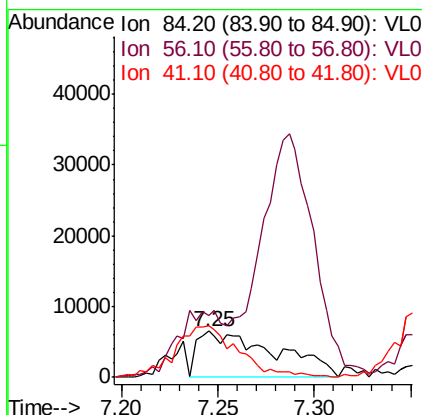
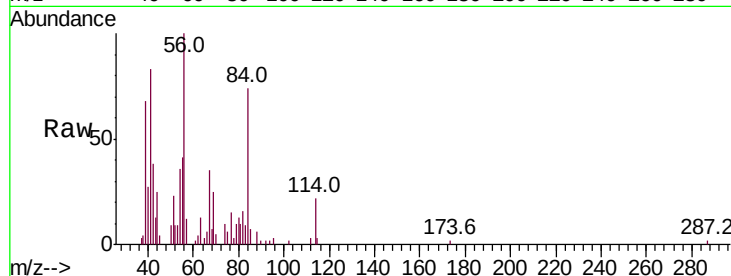
#30
Cyclohexane
Concen: 0.183 ppbv m
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	66.0	99.0#

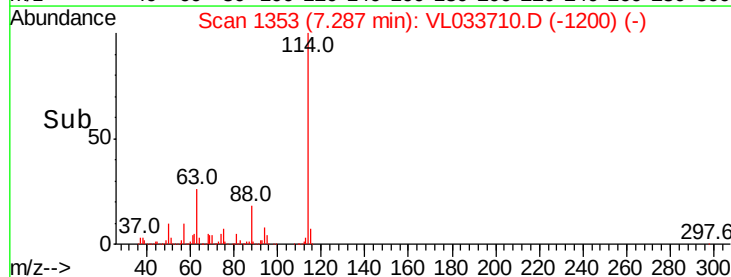
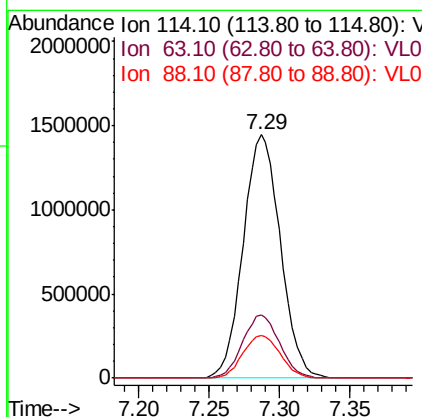
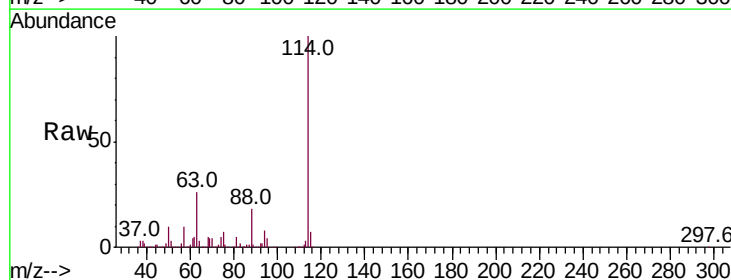
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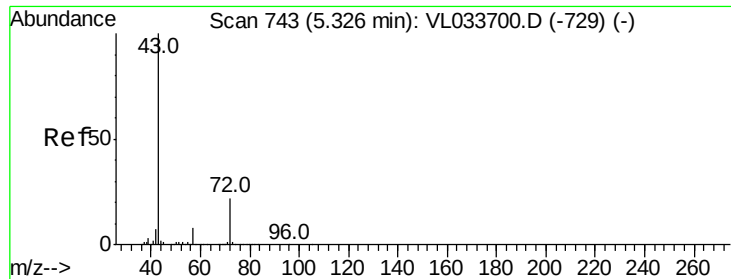
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.8	14.3	21.5





#34

2-Butanone

Concen: 0.226 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.01 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

Instrument :

MSVOA_L

ClientSampleID :

SV-02DL

Tot Ion: 43 Resp: 37350

Ion Ratio Lower Upper

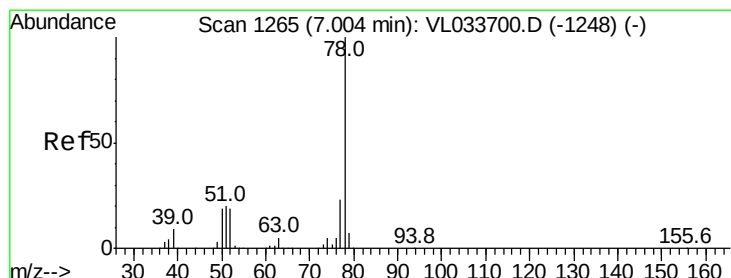
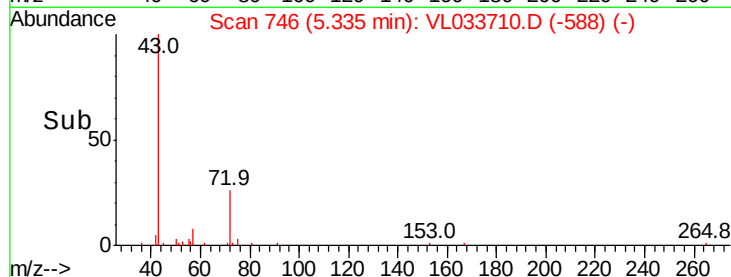
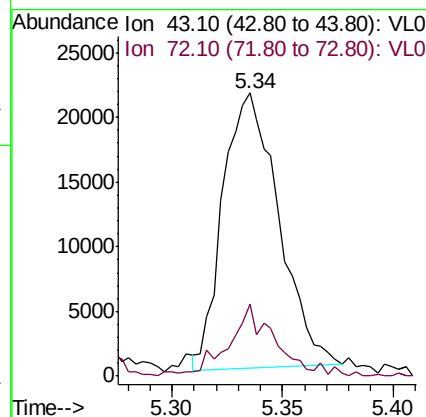
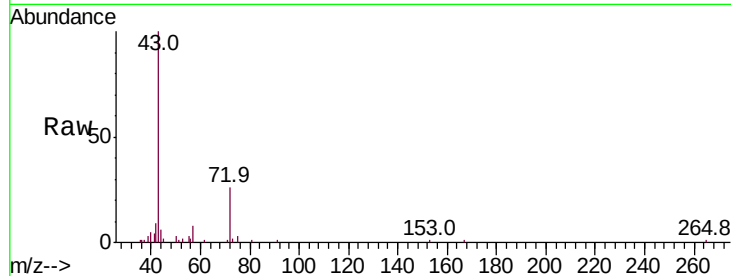
43 100

72 22.4 17.8 26.6

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#36

Benzene

Concen: 0.263 ppbv m

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

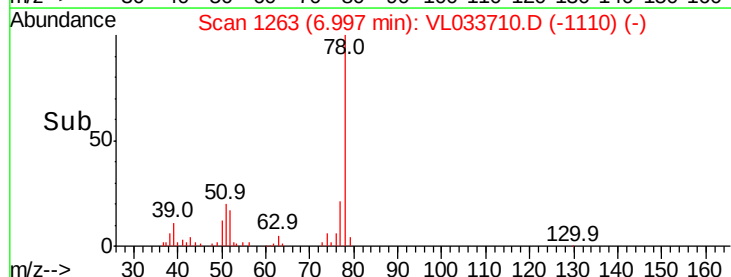
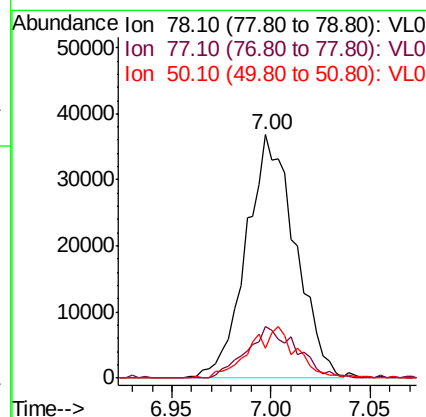
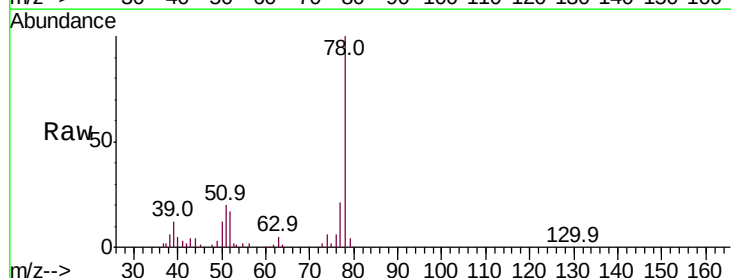
Tgt Ion: 78 Resp: 63921

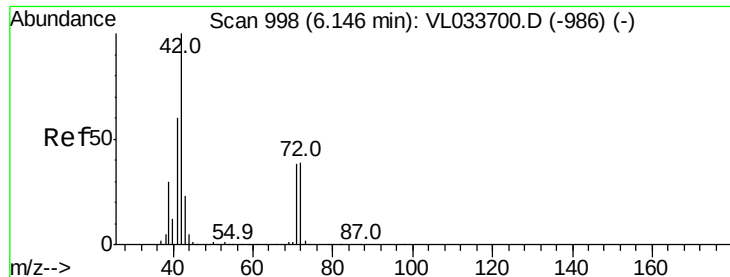
Ion Ratio Lower Upper

78 100

77 21.0 18.4 27.6

50 12.5 15.5 23.3#





#41

Tetrahydrofuran

Concen: 0.163 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. 0.02 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

Instrument :

MSVOA_L

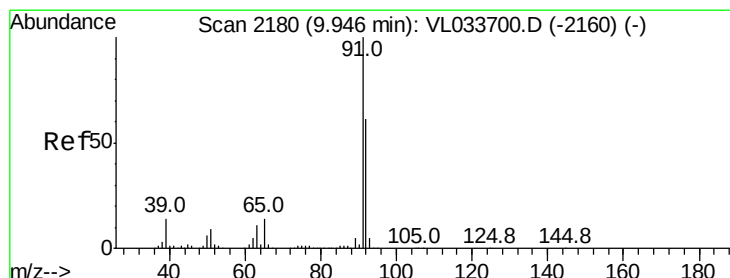
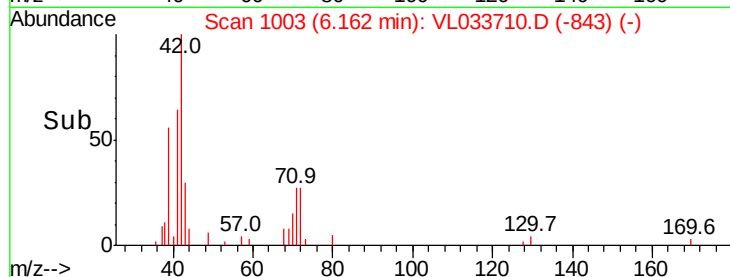
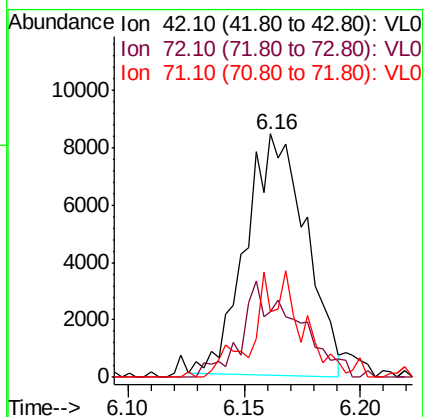
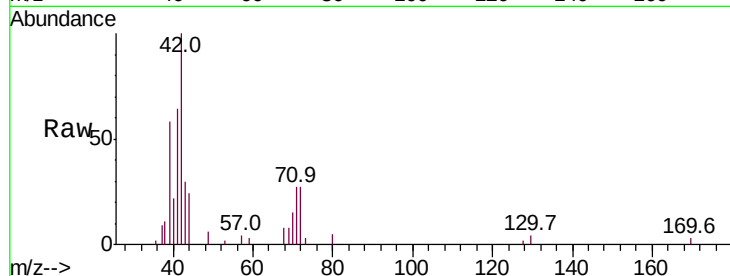
ClientSampled :

SV-02DL

Tot Ion:	42	Resp:	15141
Ion Ratio		Lower	Upper
42	100		
72	37.0	32.0	48.0
71	36.2	30.4	45.6

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#53

Toluene

Concen: 1.108 ppbv

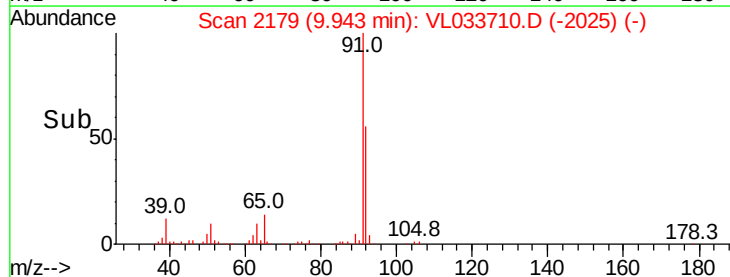
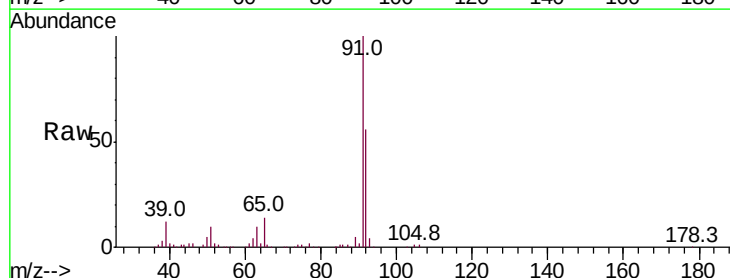
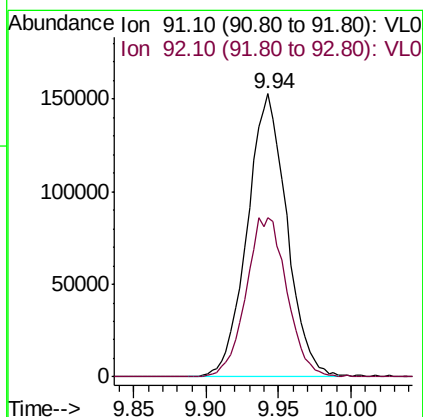
RT: 9.94 min Scan# 2179

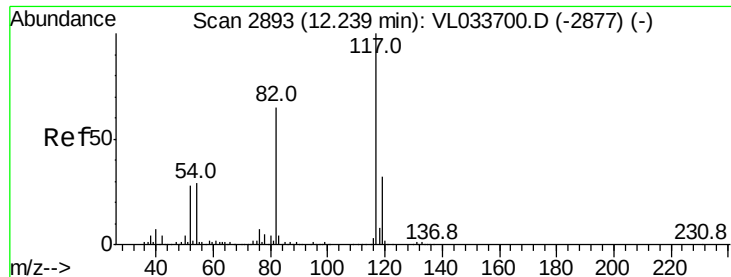
Delta R.T. -0.00 min

Lab File: VL033710.D

Acq: 17 May 2019 10:43

Tgt Ion:	91	Resp:	290261
Ion Ratio		Lower	Upper
91	100		
92	58.2	47.6	71.4





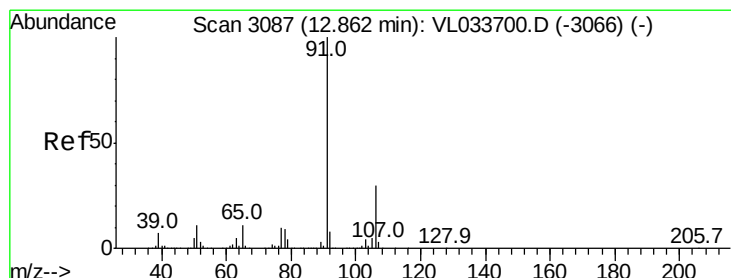
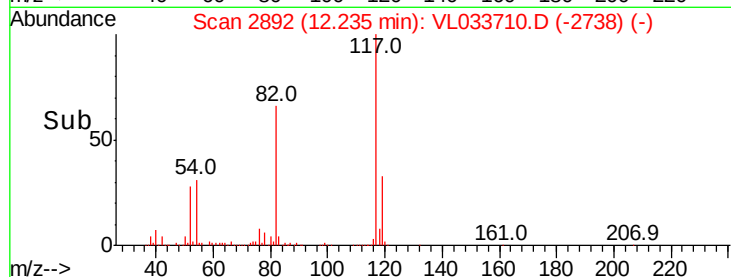
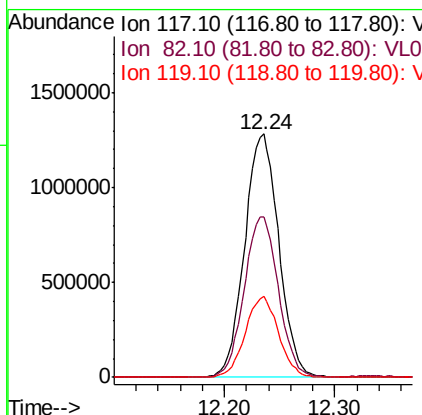
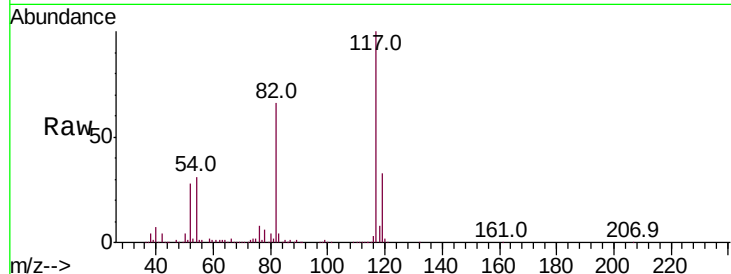
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tot Ion:117 Resp: 2750755
Ion Ratio Lower Upper
117 100
82 66.1 49.4 74.0
119 32.5 24.9 37.3

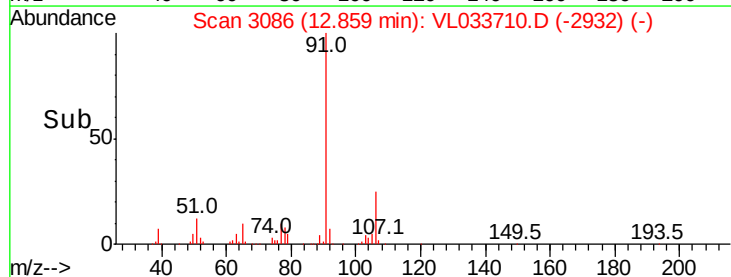
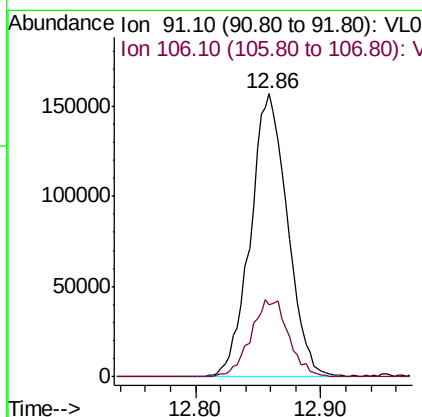
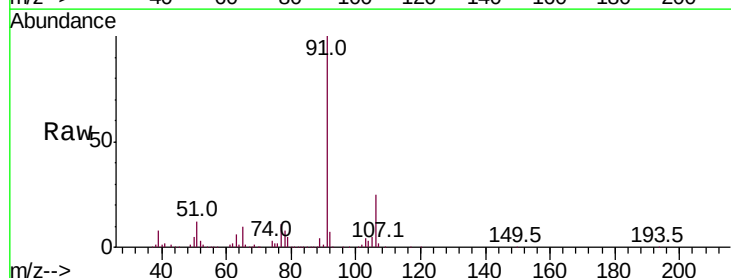
Manual Integrations
APPROVED

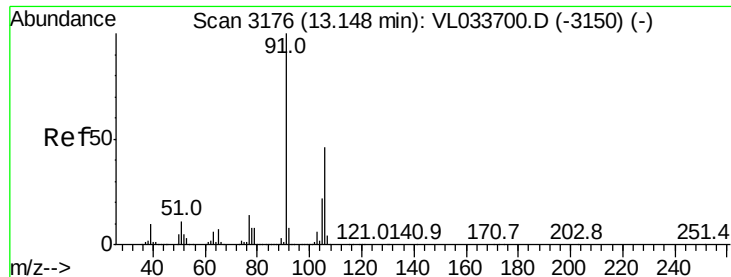
MMDadoda
5/20/2019 12:05:39 PM



#58
Ethyl Benzene
Concen: 0.884 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 91 Resp: 321849
Ion Ratio Lower Upper
91 100
106 25.4 23.9 35.9





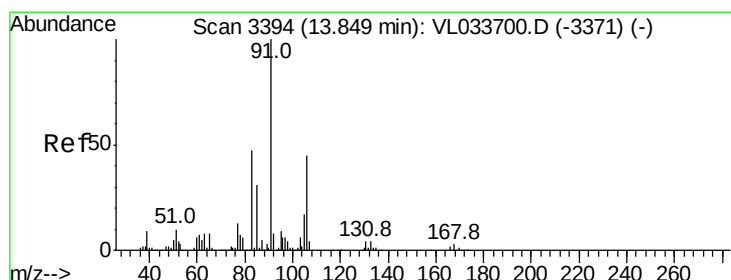
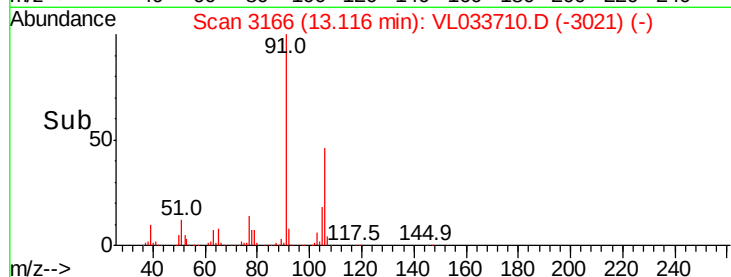
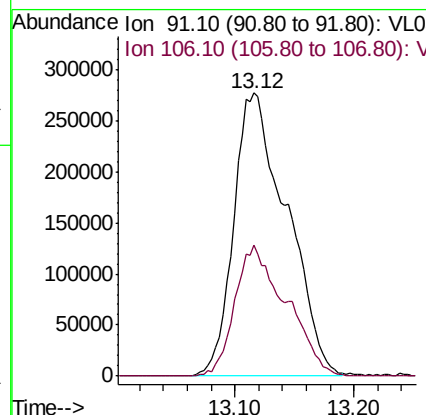
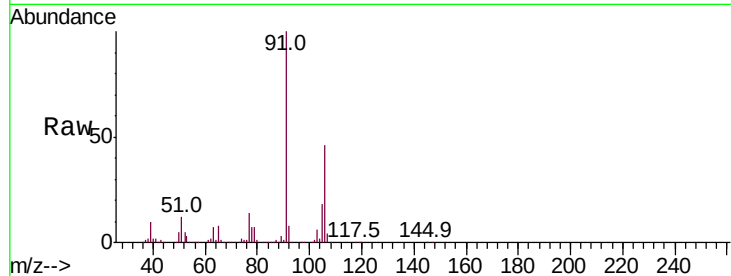
#59
m/p-Xylene
Concen: 2.682 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tot Ion: 91 Resp: 853981
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#

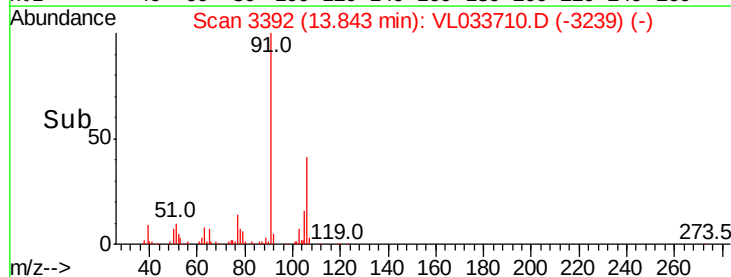
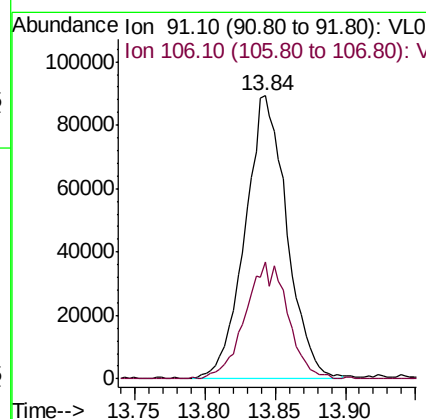
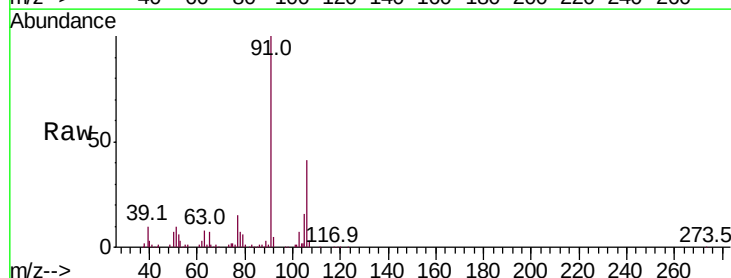
Manual Integrations
APPROVED

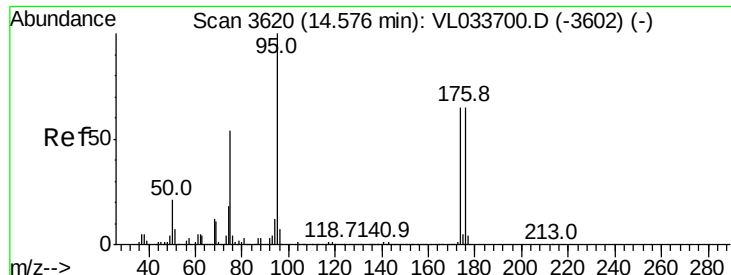
MMDadoda
5/20/2019 12:05:39 PM



#60
o-Xylene
Concen: 0.579 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 91 Resp: 185812
Ion Ratio Lower Upper
91 100
106 42.2 21.6 64.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.175 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033710.D
 Acq: 17 May 2019 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.9	80.9
175	4.8	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:05:39 PM

