

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033865.D
 Acq On : 30 May 2019 10:58
 Operator : SY/AP
 Sample : K3007-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2DL

Manual Integrations
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Quant Time: May 31 07:29:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 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	5.75	49	794811	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1925383	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1975741	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1578313	9.85	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	197522	5.101	ppbv	83
10) Heptane	8.24	43	153197	1.397	ppbv	97
13) Ethanol	3.64	45	408422	32.632	ppbv	99
15) Acetone	3.89	43	1346470m	12.210	ppbv	
17) tert-Butyl alcohol	4.36	59	25025	0.281	ppbv #	72
26) Hexane	5.77	57	410729	4.932	ppbv #	40
27) Carbon Disulfide	4.62	76	35906	0.314	ppbv #	92
28) Methyl tert-Butyl Ether	5.11	73	83250	0.613	ppbv	97
30) Cyclohexane	7.24	84	22060	0.315	ppbv	92
34) 2-Butanone	5.32	43	88564	0.742	ppbv	99
36) Benzene	6.99	78	176804	1.009	ppbv	98
44) 2,2,4-Trimethylpentane	7.98	57	1989863	6.722	ppbv	97
51) 2-Hexanone	10.24	43	93422	0.652	ppbv #	31
52) Tetrachloroethene	11.36	164	36547m	0.594	ppbv	
53) Toluene	9.94	91	154621	0.819	ppbv	99
59) m/p-Xylene	13.11	91	50492m	0.221	ppbv	

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

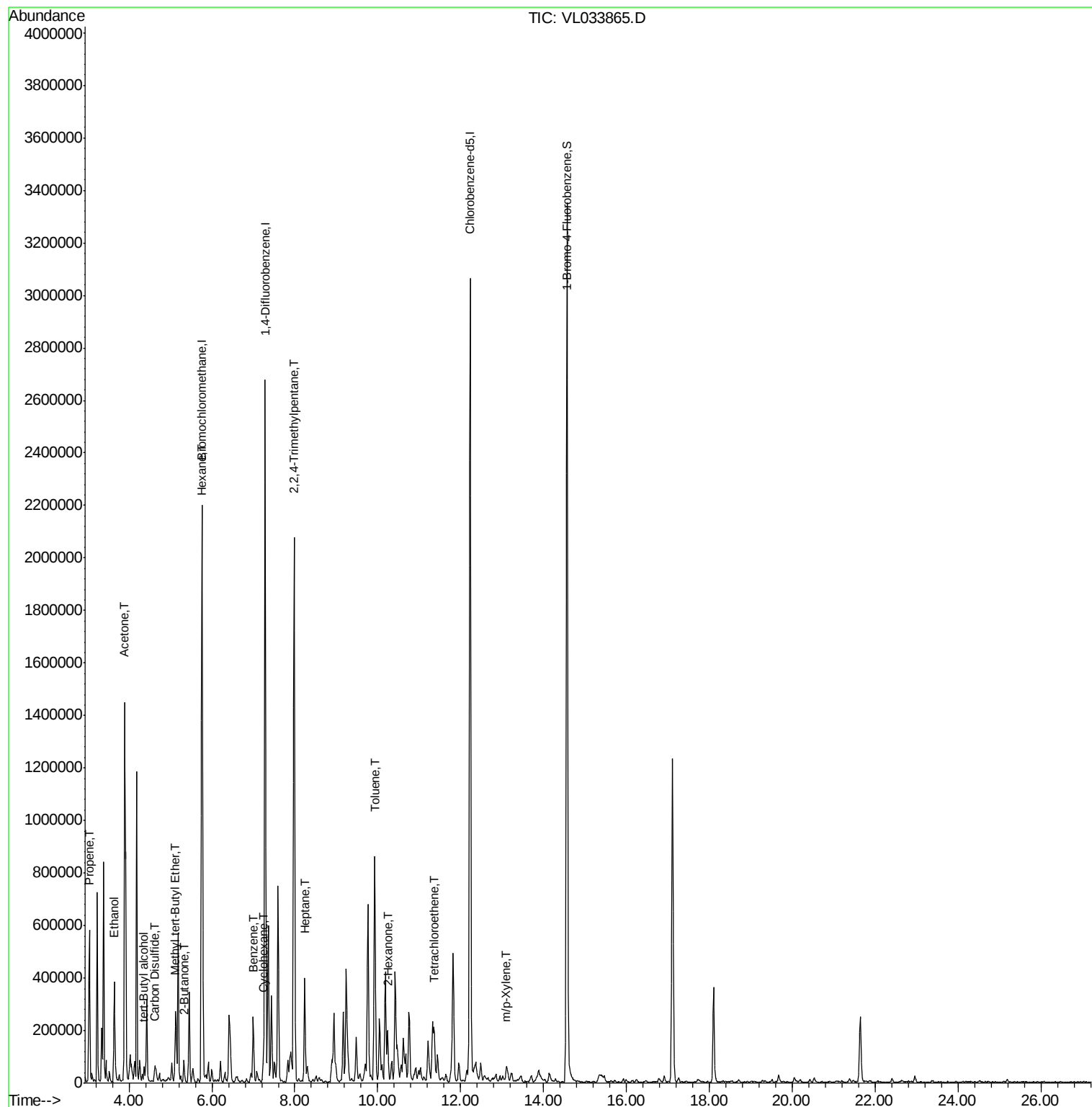
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033865.D
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Misc : 400ml/MSVOA L
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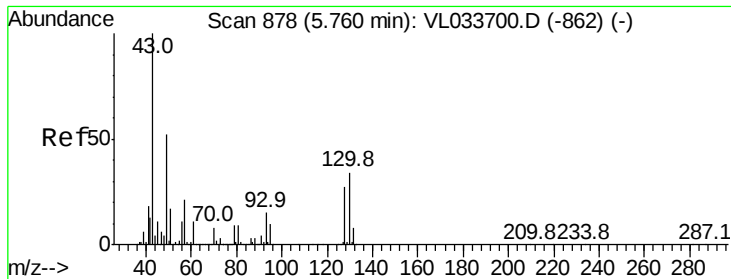
Instrument :
MSVOA_L
ClientSampleId :
SSG-2DL

Manual Integrations
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Quant Time: May 31 07:29:49 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: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Instrument :

MSVOA_L

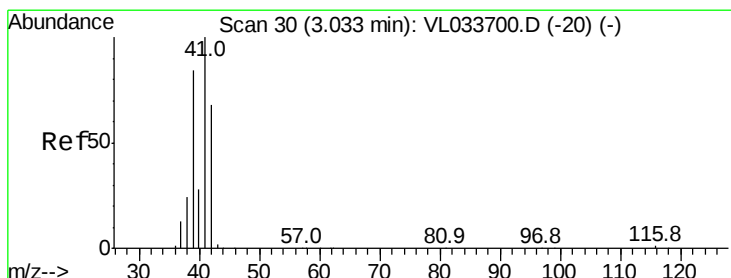
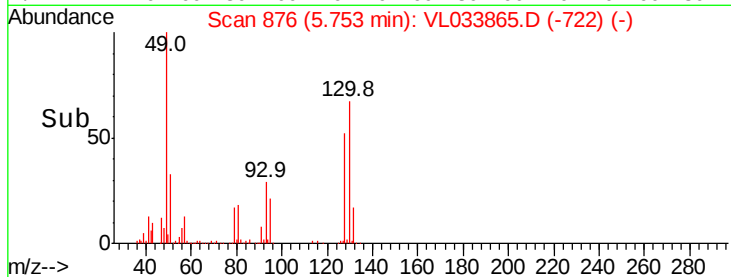
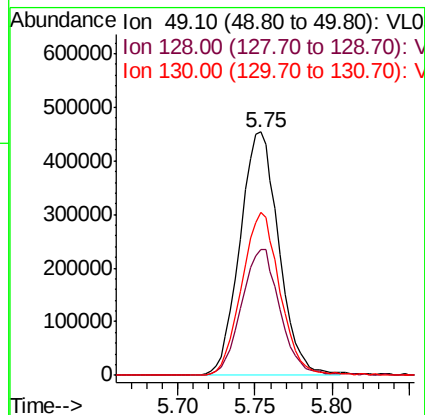
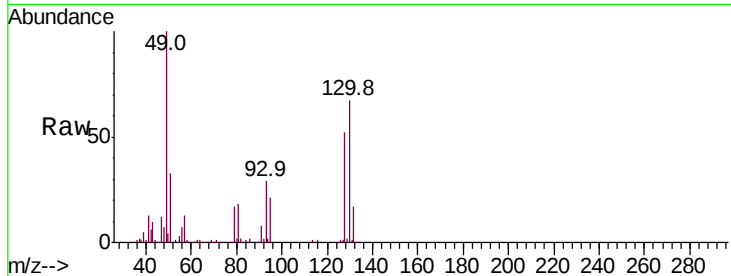
ClientSampled :

SSG-2DL

Tot Ion:	49	Resp:	794811
Ion Ratio	Lower	Upper	
49	100		
128	51.8	25.2	75.6
130	66.2	32.5	97.5

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#9

Propene

Concen: 5.101 ppbv

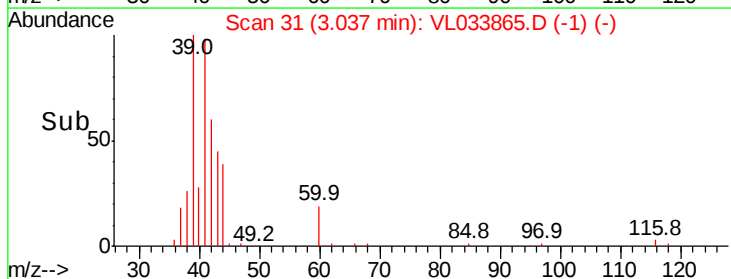
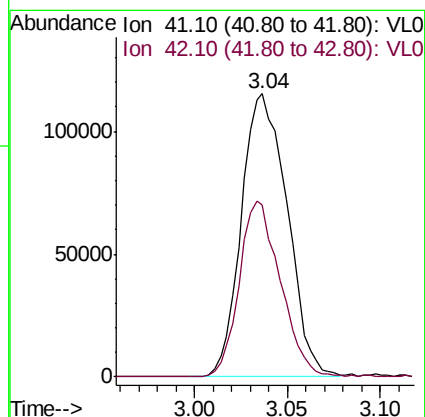
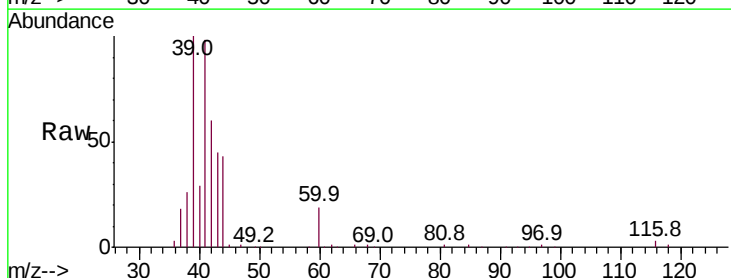
RT: 3.04 min Scan# 31

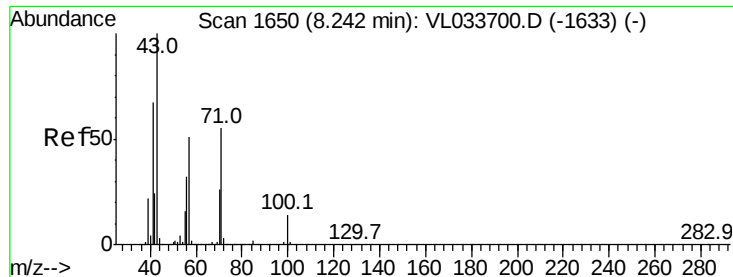
Delta R.T. 0.00 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Tgt Ion:	41	Resp:	197522
Ion Ratio	Lower	Upper	
41	100		
42	56.2	56.1	84.1





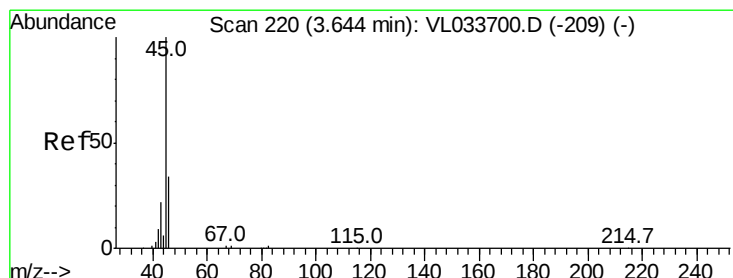
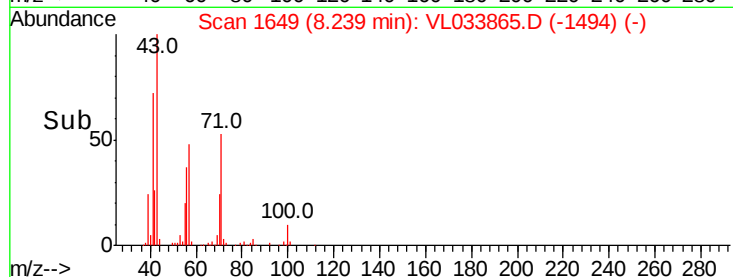
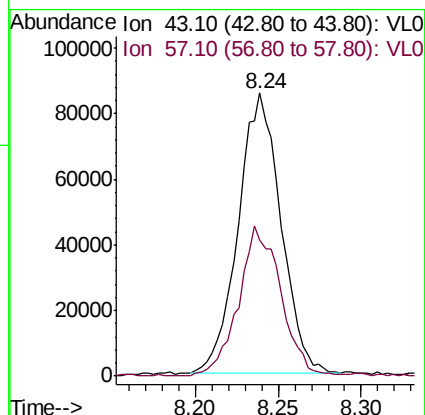
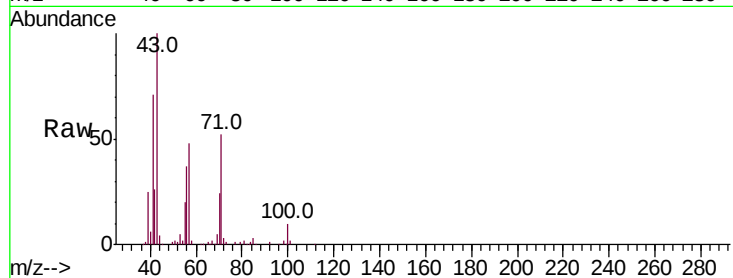
#10
Heptane
Concen: 1.397 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Instrument :
MSVOA_L
ClientSampled :
SSG-2DL

Tot Ion: 43 Resp: 153197
Ion Ratio Lower Upper
43 100
57 53.6 41.4 62.0

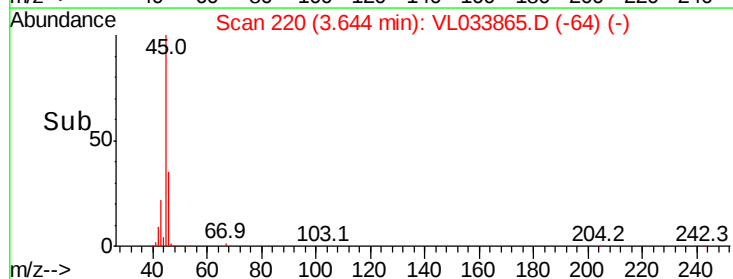
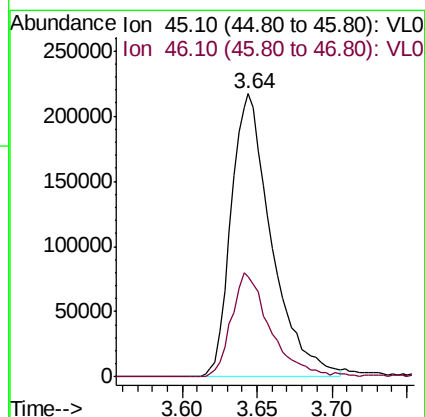
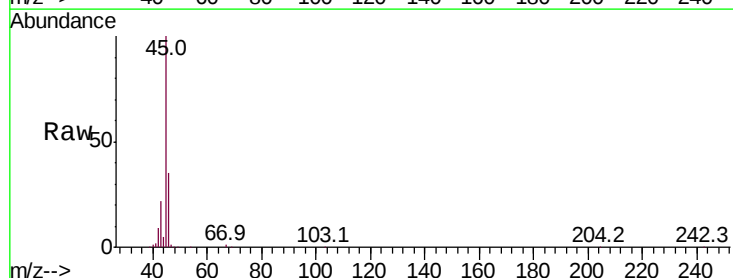
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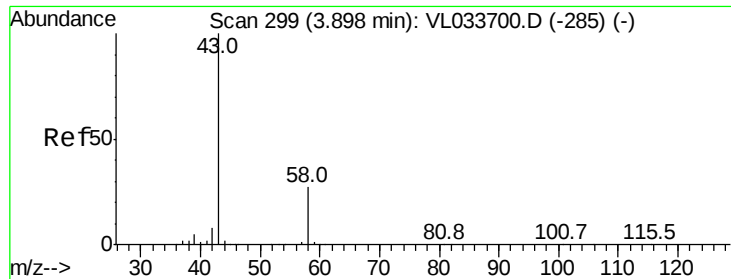
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#13
Ethanol
Concen: 32.632 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Tgt Ion: 45 Resp: 408422
Ion Ratio Lower Upper
45 100
46 36.5 14.8 59.0





#15

Acetone

Concen: 12.210 ppbv m

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Instrument :

MSVOA_L

ClientSampled :

SSG-2DL

Tot Ion: 43 Resp: 1346470

Ion Ratio Lower Upper

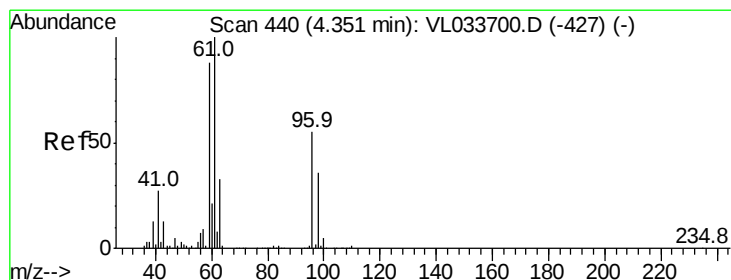
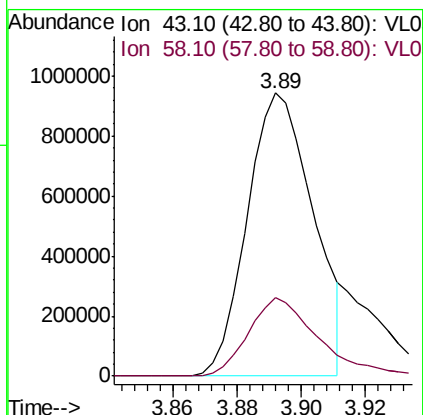
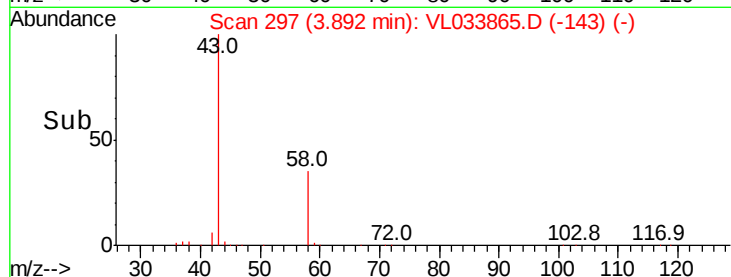
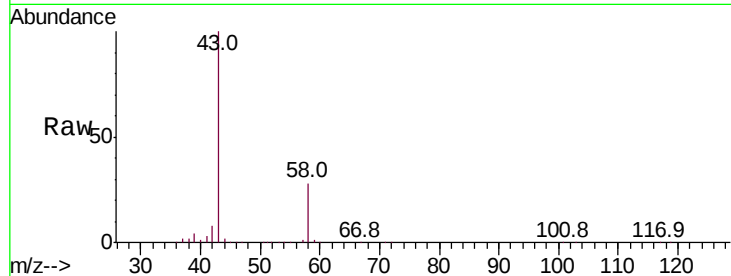
43 100

58 29.8 21.3 31.9

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#17

tert-Butyl alcohol

Concen: 0.281 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.01 min

Lab File: VL033865.D

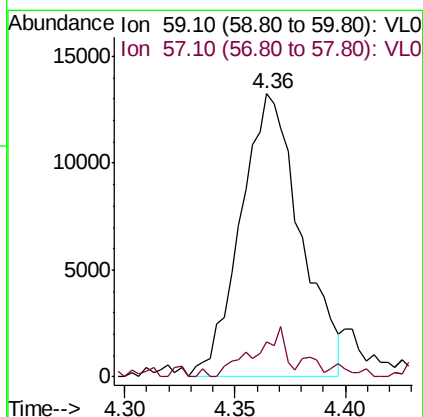
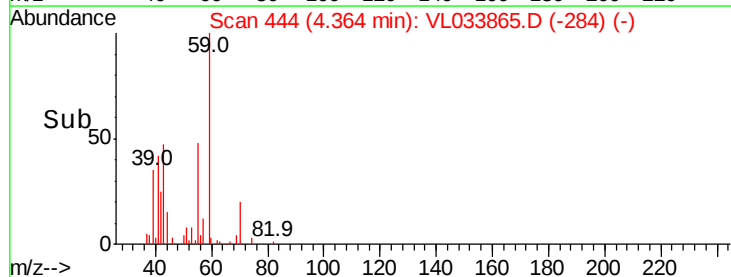
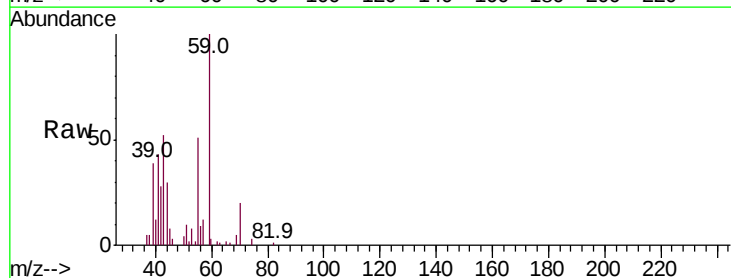
Acq: 30 May 2019 10:58

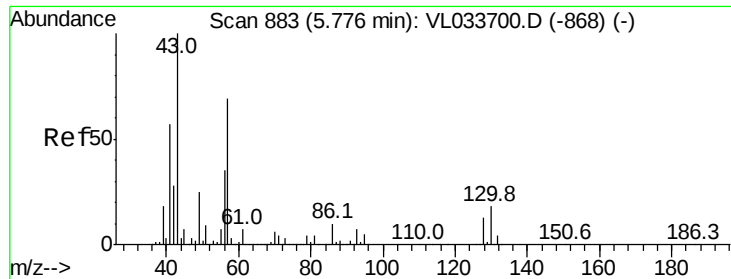
Tgt Ion: 59 Resp: 25025

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





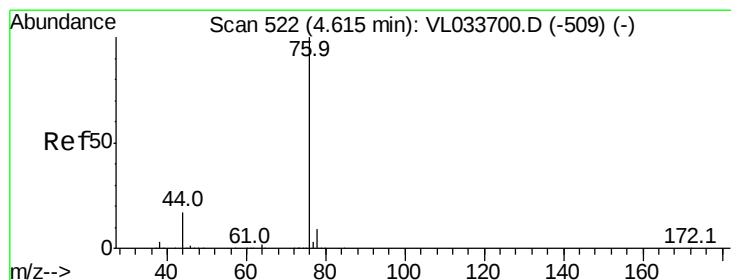
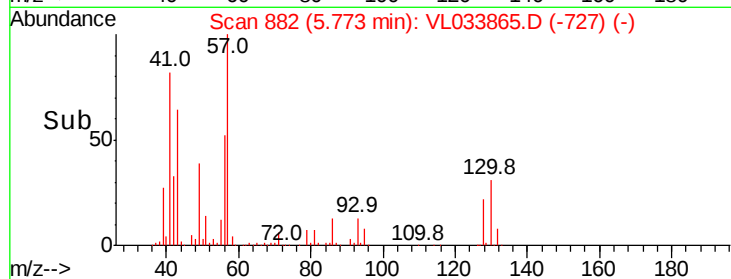
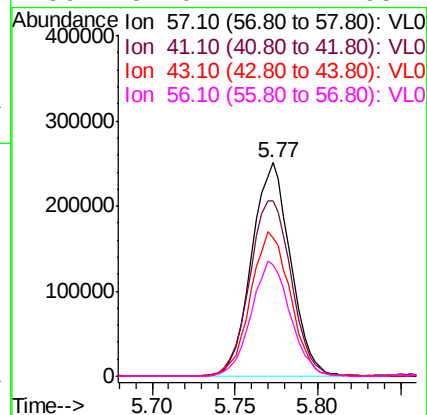
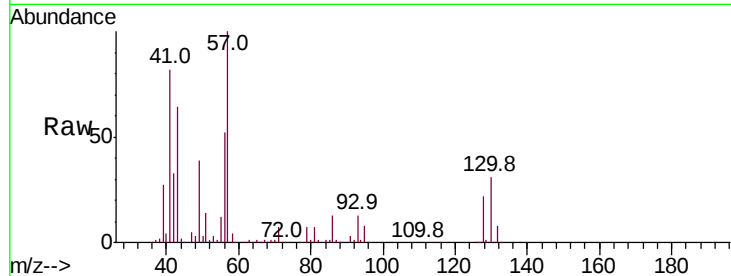
#26
Hexane
Concen: 4.932 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Instrument :
MSVOA_L
ClientSampleId :
SSG-2DL

Tot Ion	57	Resp	410729
Ion	Ratio	Lower	Upper
57	100		
41	88.7	69.8	104.6
43	69.4	181.8	272.6#
56	54.0	42.1	63.1

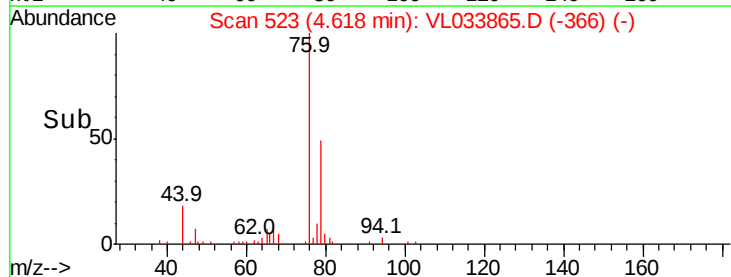
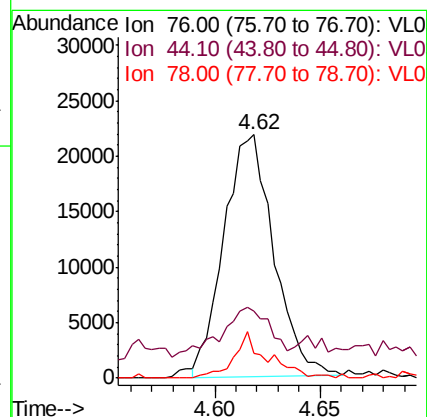
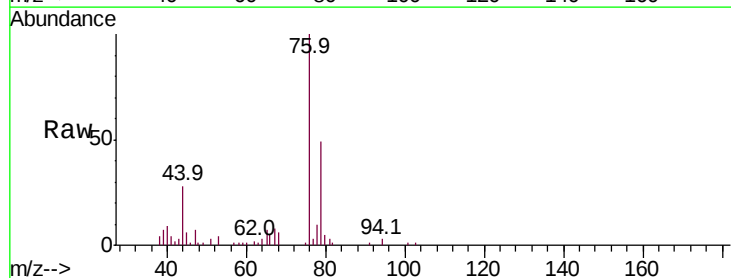
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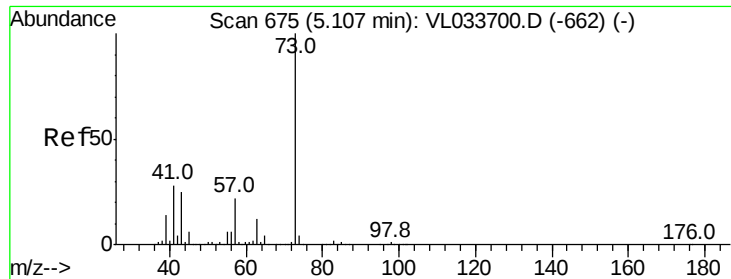
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#27
Carbon Disulfide
Concen: 0.314 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Tgt Ion	76	Resp	35906
Ion	Ratio	Lower	Upper
76	100		
44	20.0	13.8	20.8
78	13.1	7.4	11.0#





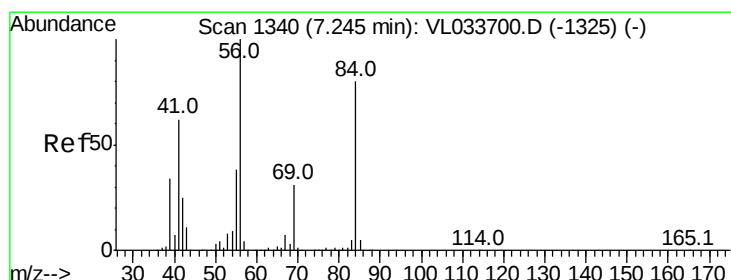
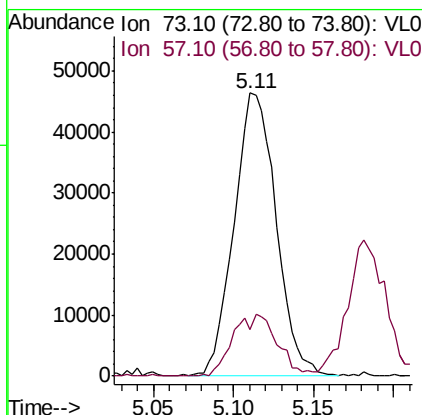
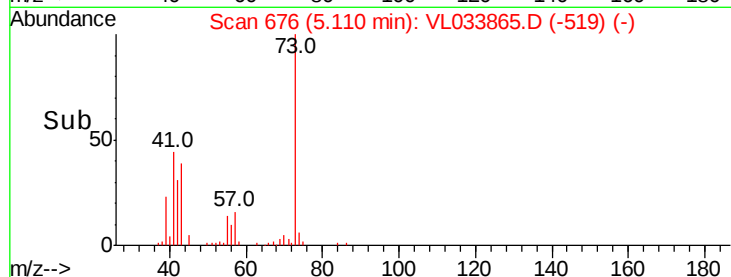
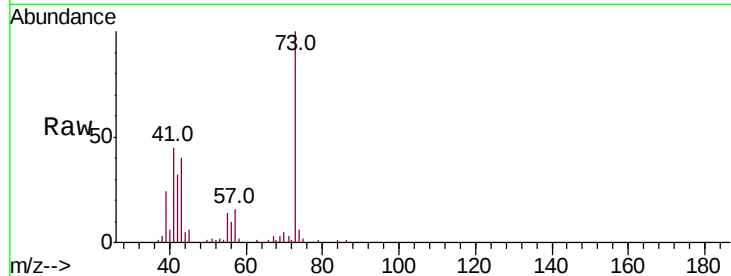
#28
Methvl tert-Butvl Ether
Concen: 0.613 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Instrument :
MSVOA_L
ClientSampled :
SSG-2DL

Tot Ion: 73 Resp: 83250
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.2

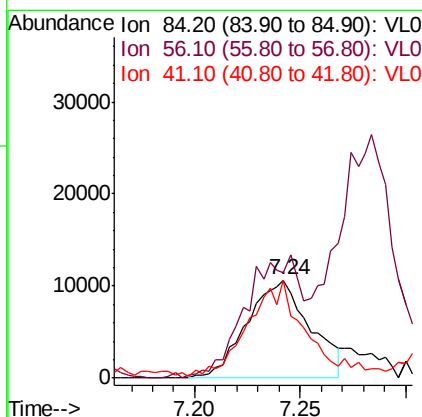
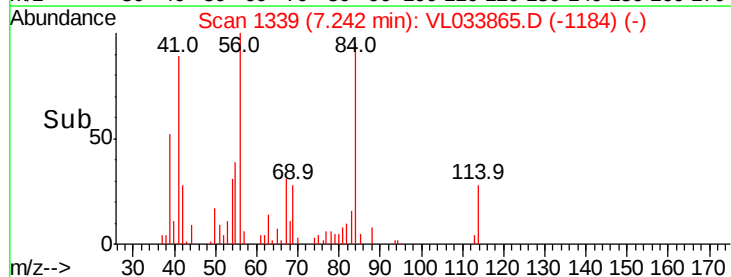
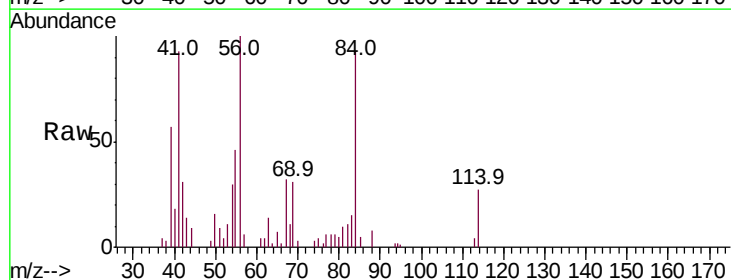
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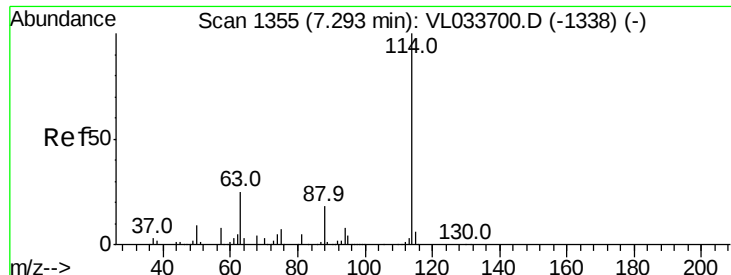
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#30
Cyclohexane
Concen: 0.315 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Tgt Ion: 84 Resp: 22060
Ion Ratio Lower Upper
84 100
56 124.1 107.7 161.5
41 88.2 66.0 99.0





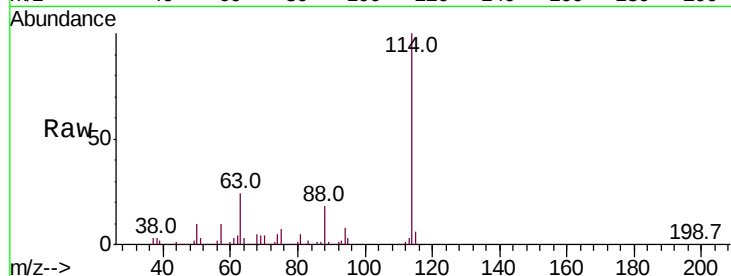
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033865.D
 Acq: 30 May 2019 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2DL

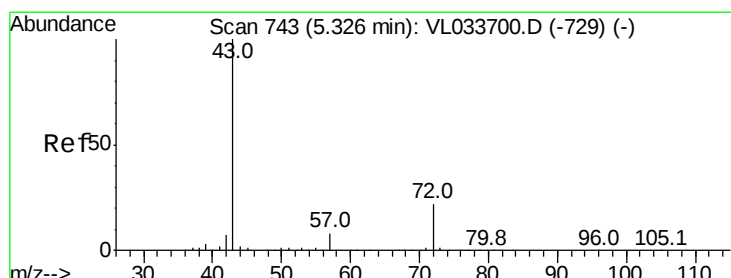
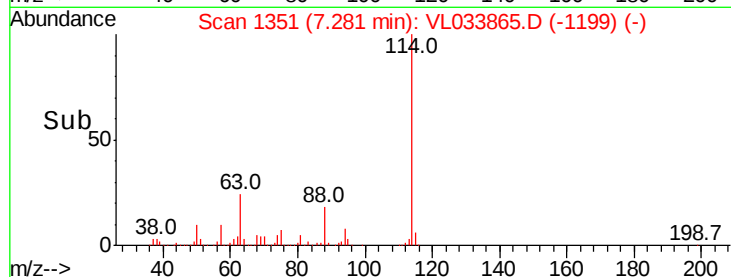
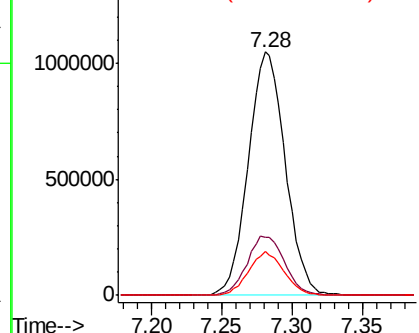
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.9	31.3
88	17.3	14.3	21.5

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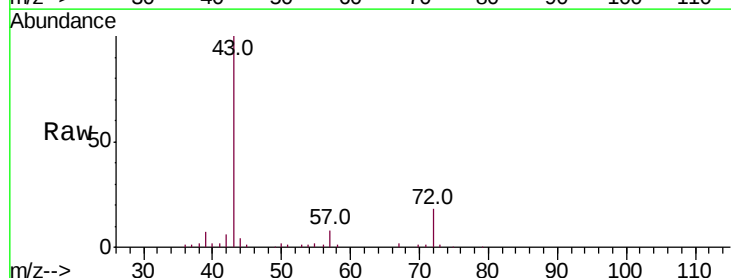


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

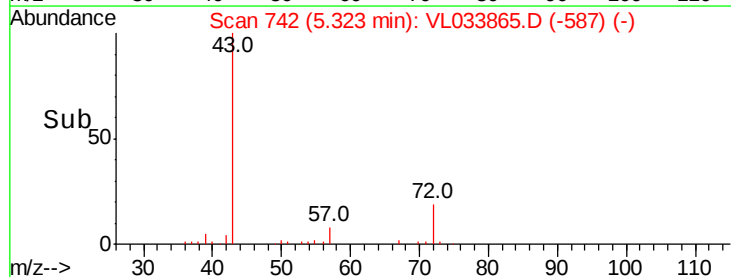
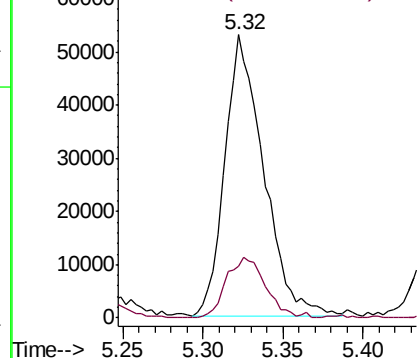


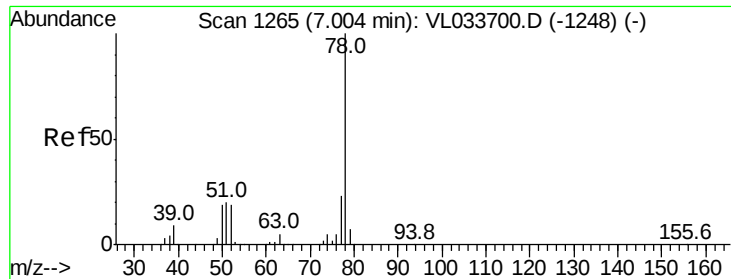
#34
 2-Butanone
 Concen: 0.742 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033865.D
 Acq: 30 May 2019 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





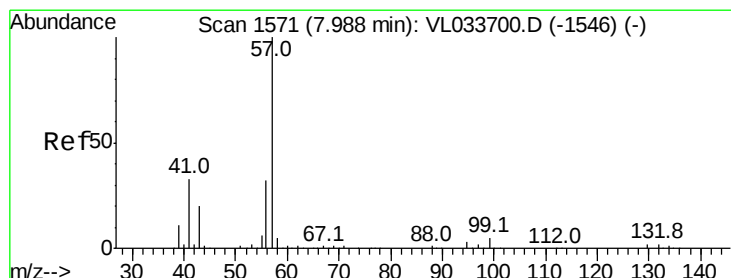
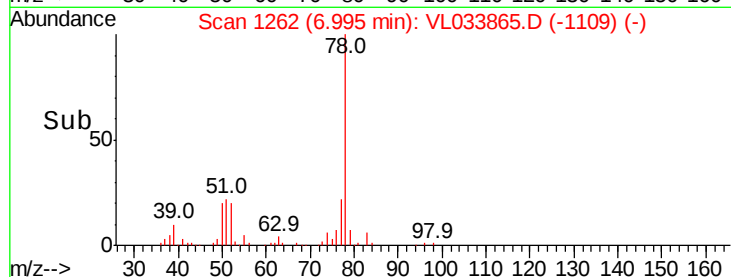
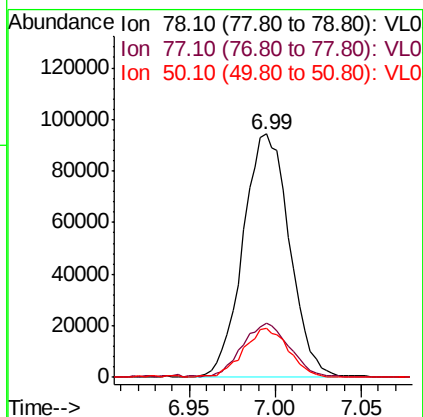
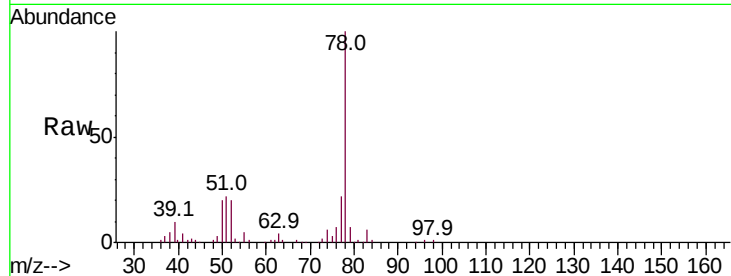
#36
Benzene
Concen: 1.009 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Instrument :
MSVOA_L
ClientSampleId :
SSG-2DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6
50	20.1	15.5	23.3

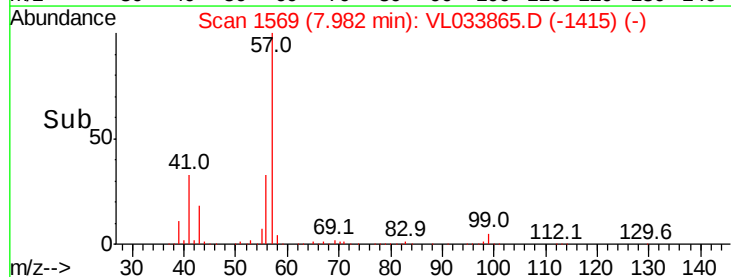
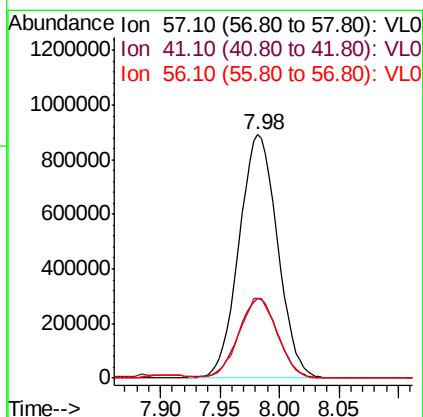
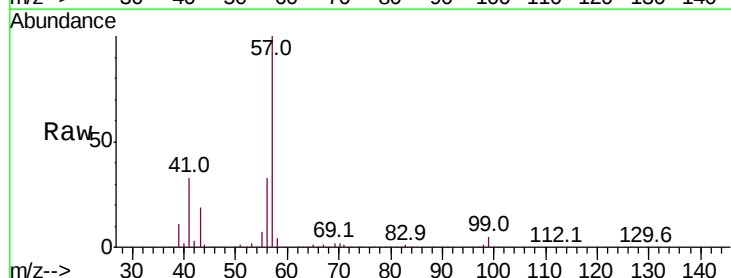
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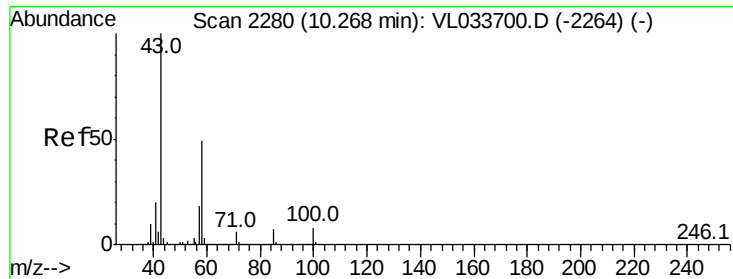
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#44
2,2,4-Trimethylpentane
Concen: 6.722 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033865.D
Acq: 30 May 2019 10:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.3	25.4	38.0
56	33.0	24.7	37.1





#51

2-Hexanone

Concen: 0.652 ppbv

RT: 10.24 min Scan# 2270

Delta R.T. -0.03 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Instrument :

MSVOA_L

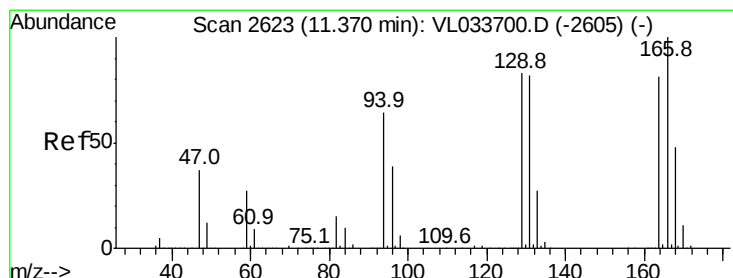
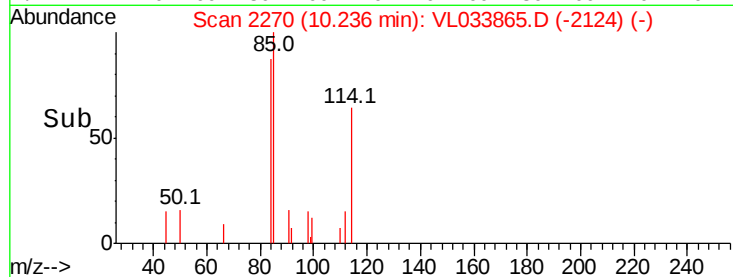
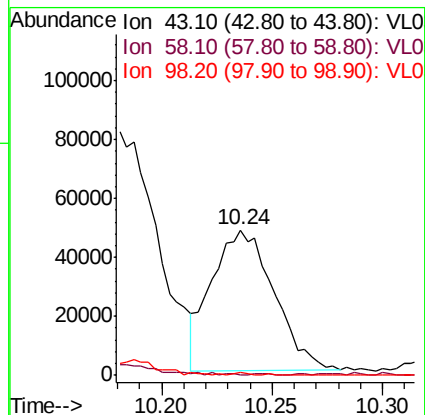
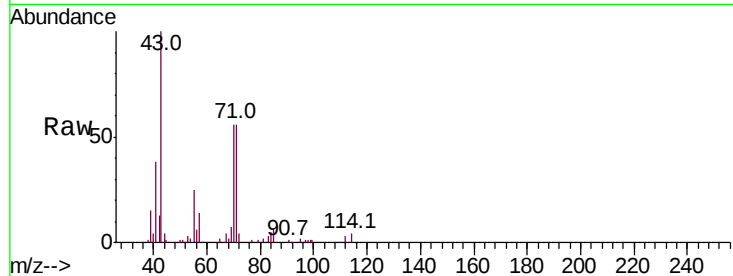
ClientSampleId :

SSG-2DL

Tot Ion:	43	Resp:	93422
Ion Ratio	Lower	Upper	
43	100		
58	1.2	38.7	58.1#
98	0.0	0.2	0.4#

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#52

Tetrachloroethene

Concen: 0.594 ppbv m

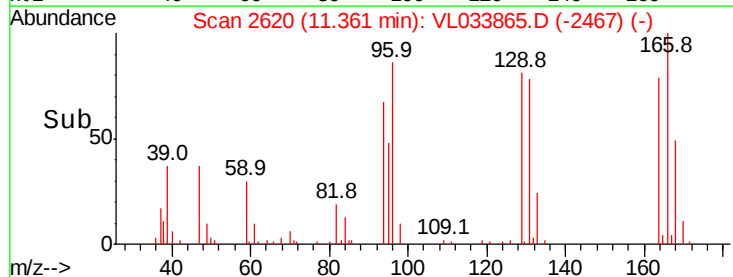
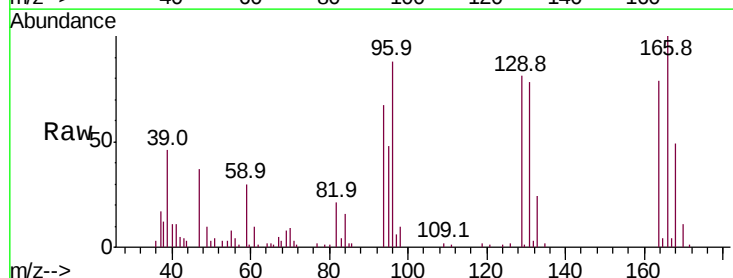
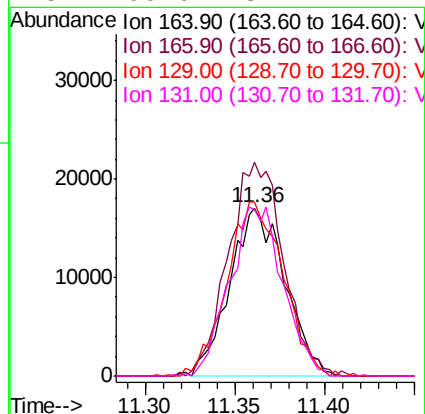
RT: 11.36 min Scan# 2620

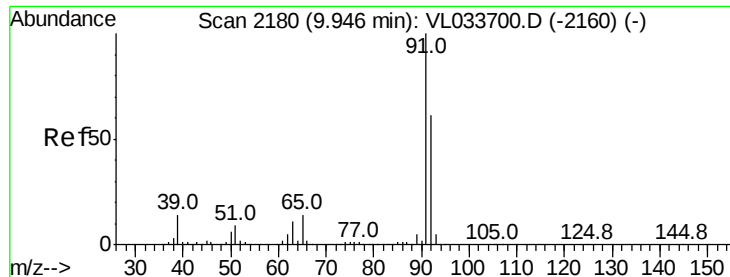
Delta R.T. -0.01 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Tgt Ion:	164	Resp:	36547
Ion Ratio	Lower	Upper	
164	100		
166	126.9	98.9	148.3
129	103.3	81.8	122.6
131	99.0	81.1	121.7





#53

Toluene

Concen: 0.819 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Instrument :

MSVOA_L

ClientSampleId :

SSG-2DL

Tot Ion: 91 Resp: 154621

Ion Ratio Lower Upper

91 100

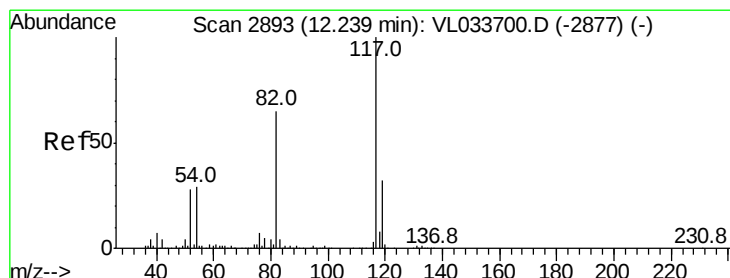
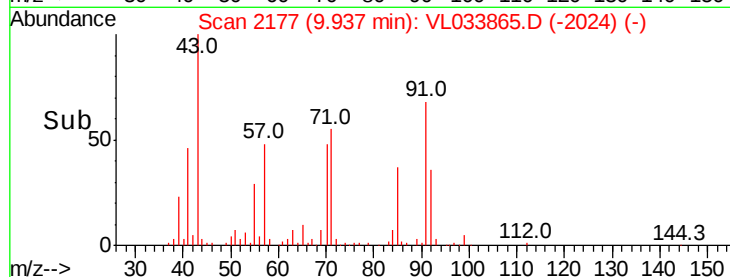
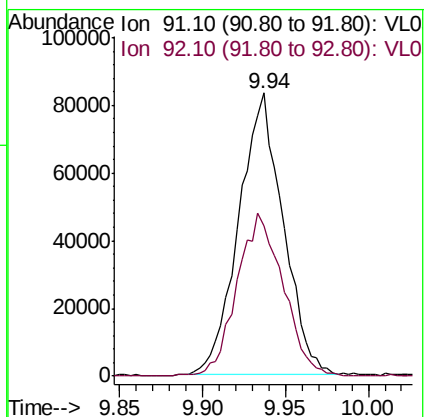
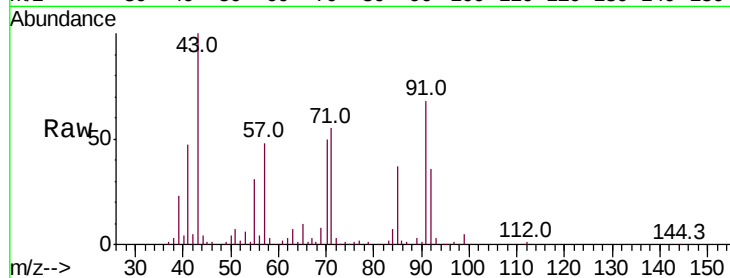
92 60.4 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

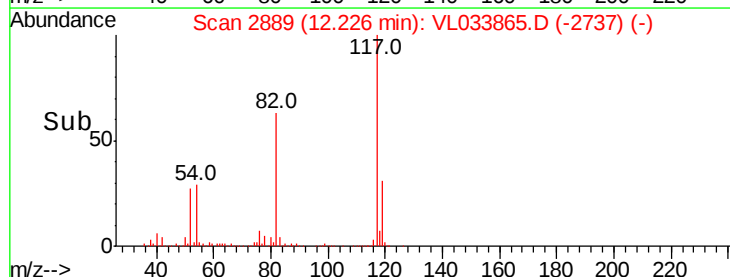
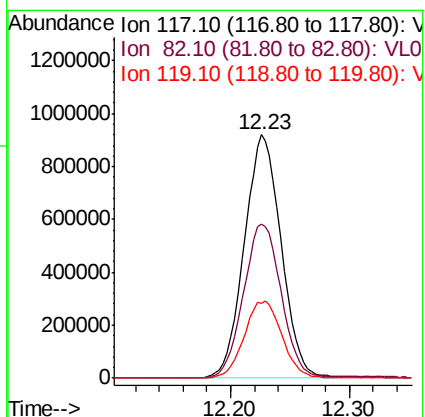
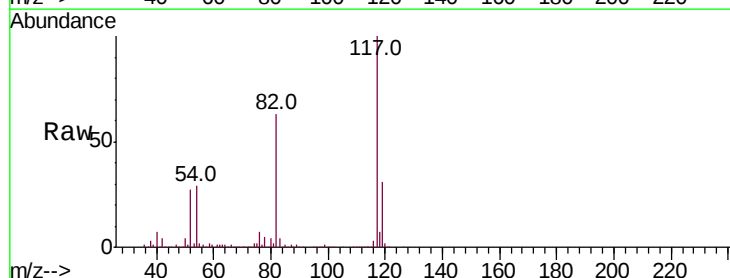
Tgt Ion: 117 Resp: 1975741

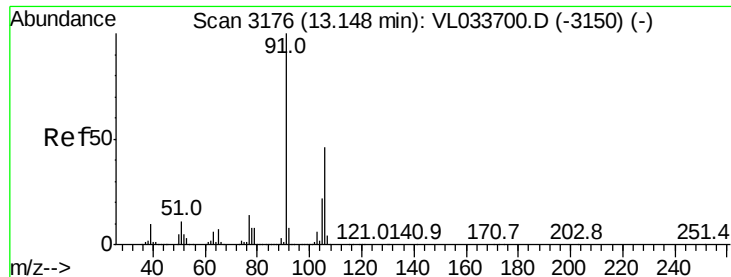
Ion Ratio Lower Upper

117 100

82 65.0 49.4 74.0

119 32.5 24.9 37.3





#59

m/p-Xylene

Concen: 0.221 ppbv m

RT: 13.11 min Scan# 3163

Delta R.T. -0.04 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Instrument :

MSVOA_L

ClientSampleId :

SSG-2DL

Tot Ion: 91 Resp: 50492

Ion Ratio Lower Upper

91 100

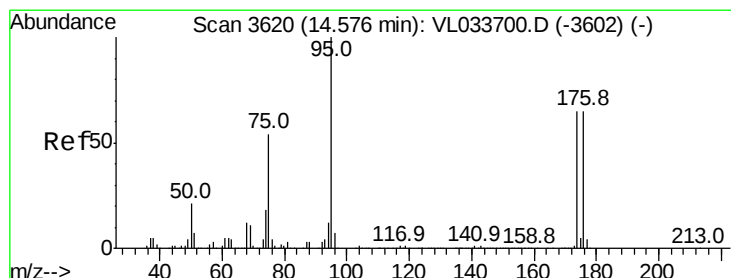
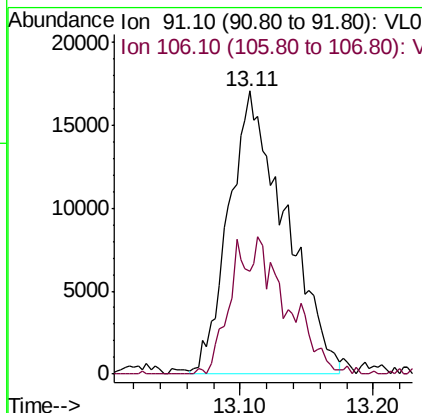
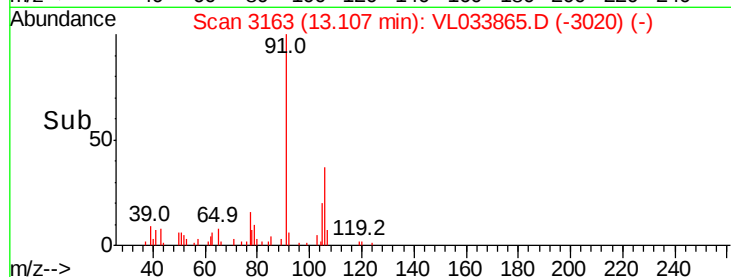
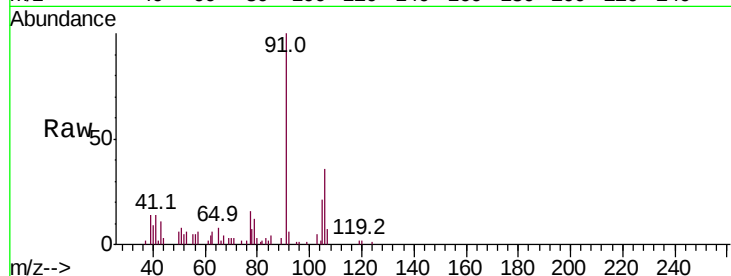
106 0.0 35.8 53.6#

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.854 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL033865.D

Acq: 30 May 2019 10:58

Tgt Ion: 95 Resp: 1578313

Ion Ratio Lower Upper

95 100

174 67.8 53.9 80.9

175 4.8 3.8 5.8

