

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034830.D
 Acq On : 7 Mar 2020 1:01
 Operator : SY/AP
 Sample : L1698-06DL2 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

Manual Integrations
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 3/9/2020 9:20:47 AM

Quant Time: Mar 07 09:54:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	918476	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2079057	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.12	117	2047299	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1663919	9.75	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	1050445	17.642	ppbv	96
9) Propene	2.97	41	128766	3.126	ppbv	93
10) Heptane	8.14	43	490830	4.689	ppbv #	27
17) tert-Butyl alcohol	4.28	59	87514	1.009	ppbv #	91
19) Isopropyl Alcohol	3.96	45	50822m	0.771	ppbv	
20) Methylene Chloride	4.32	84	41933	1.068	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	41652m	1.045	ppbv	
26) Hexane	5.68	57	599476	7.220	ppbv #	42
27) Carbon Disulfide	4.53	76	118620	1.223	ppbv #	81
30) Cyclohexane	7.13	84	137900m	2.171	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	1462279	17.170	ppbv	98
34) 2-Butanone	5.24	43	90760	0.671	ppbv	97
36) Benzene	6.89	78	1823142	10.262	ppbv	97
44) 2,2,4-Trimethylpentane	7.88	57	837219	2.697	ppbv #	63
52) Tetrachloroethene	11.27	164	12628m	0.192	ppbv	
53) Toluene	9.83	91	841111	4.473	ppbv	100
58) Ethyl Benzene	12.74	91	2358399	9.348	ppbv	95
59) m/p-Xylene	13.00	91	6376477	29.196	ppbv	93
60) o-Xylene	13.73	91	2209834	10.001	ppbv	97

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

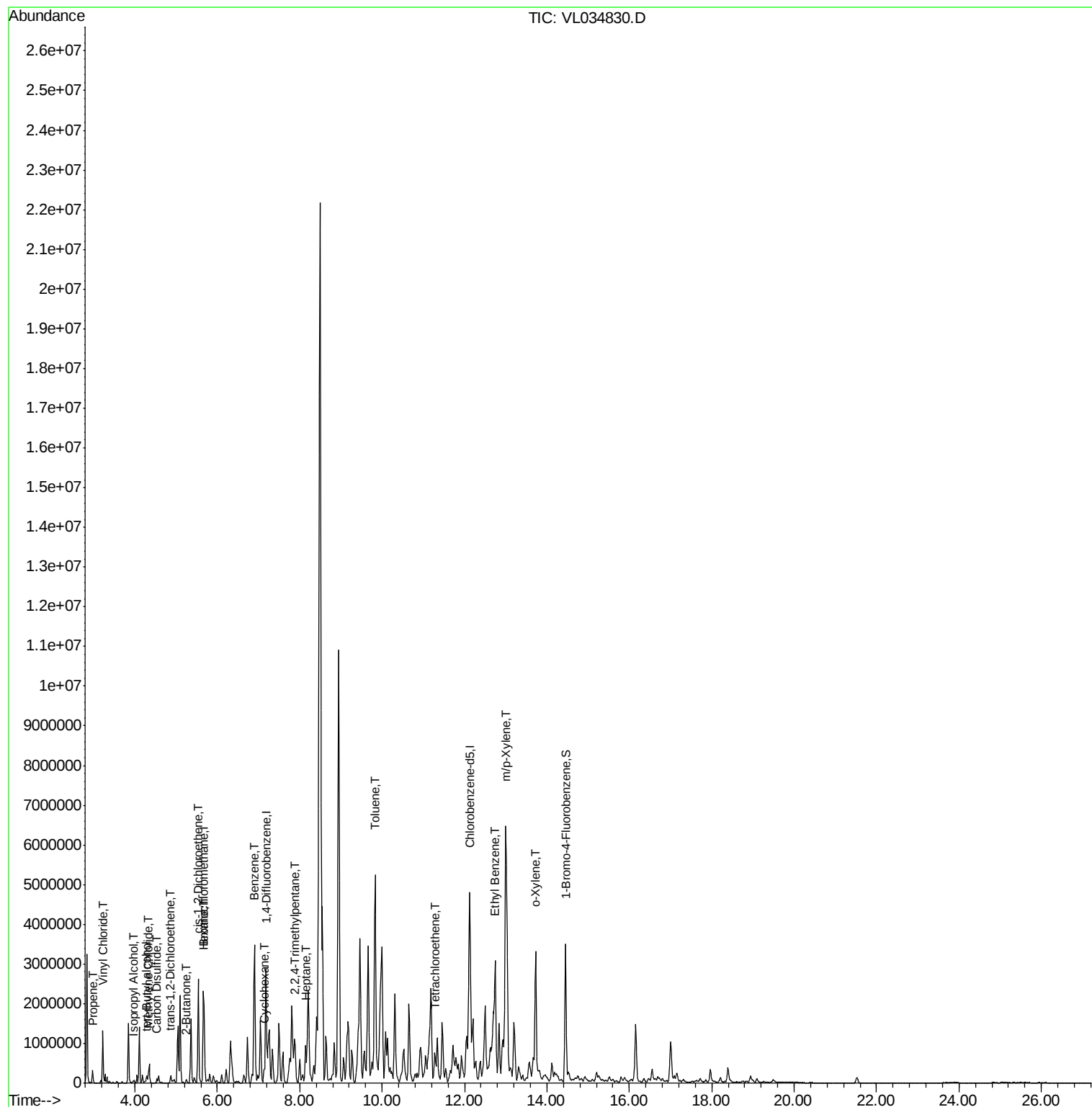
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030620\
Data File : VL034830.D
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Operator : SY/AP
Sample : L1698-06DL2 600X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

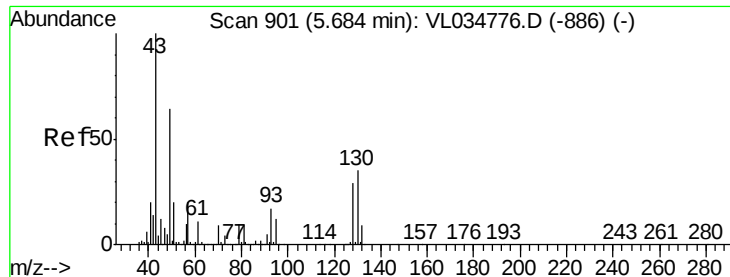
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

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Quant Time: Mar 07 09:54:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL034830.D

Acq: 7 Mar 2020 1:01

Instrument :

MSVOA_L

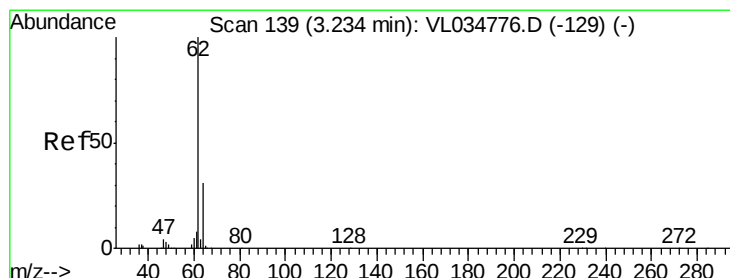
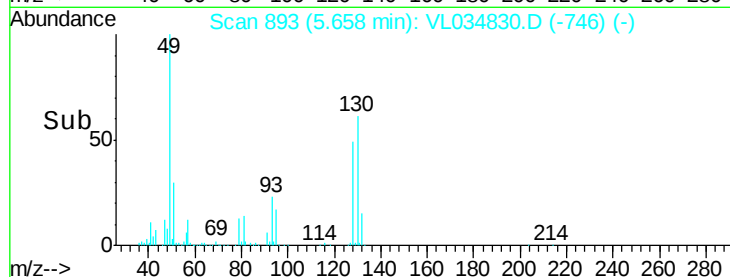
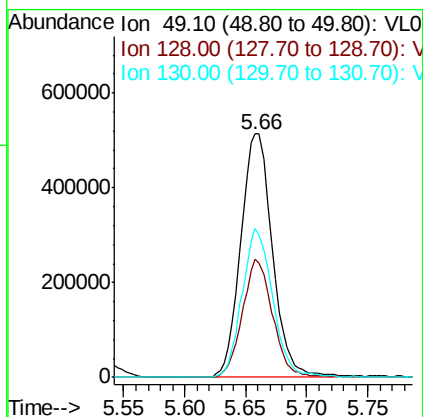
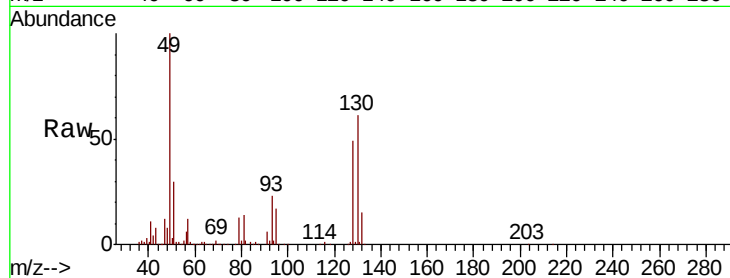
ClientSampleId :

SS-3-4DL2

Tot Ion:	49	Resp:	918476
Ion	Ratio	Lower	Upper
49	100		
128	46.8	21.6	64.6
130	59.7	27.4	82.2

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#5

Vinyl Chloride

Concen: 17.642 ppbv

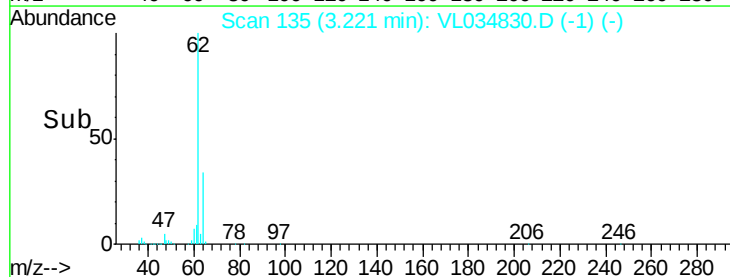
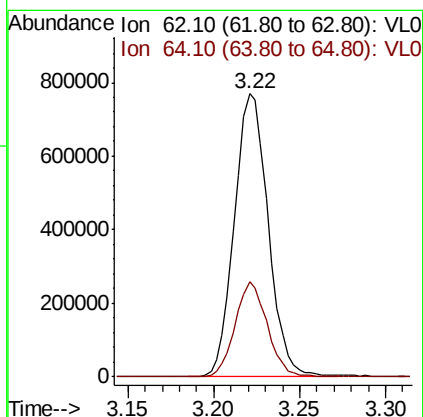
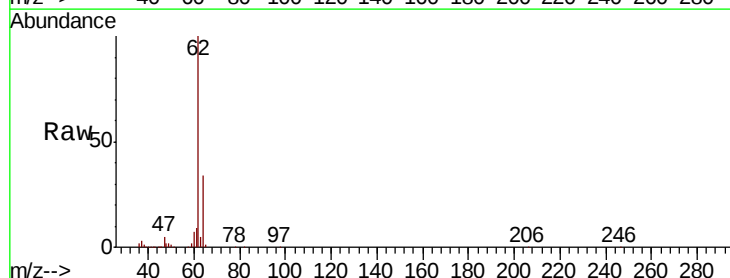
RT: 3.22 min Scan# 135

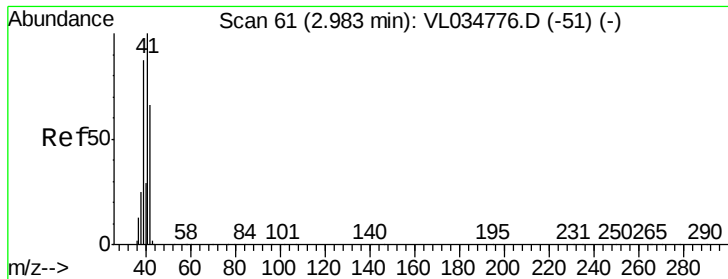
Delta R.T. -0.01 min

Lab File: VL034830.D

Acq: 7 Mar 2020 1:01

Tgt Ion:	62	Resp:	1050445
Ion	Ratio	Lower	Upper
62	100		
64	33.8	25.1	37.7





#9

Propene

Concen: 3.126 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034830.D

Acq: 7 Mar 2020 1:01

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

Tot Ion: 41 Resp: 128766

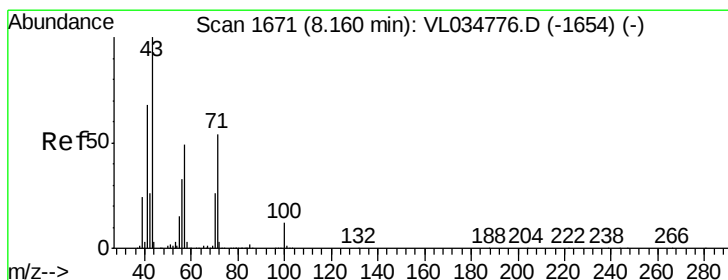
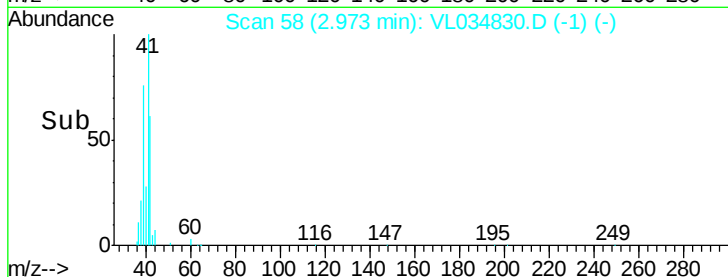
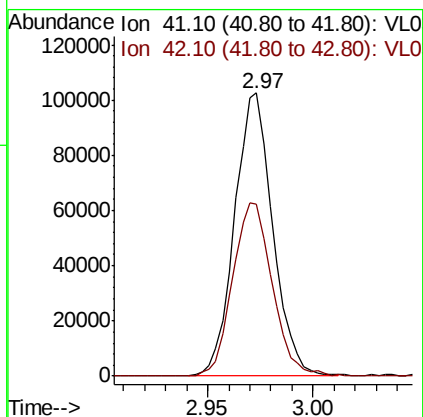
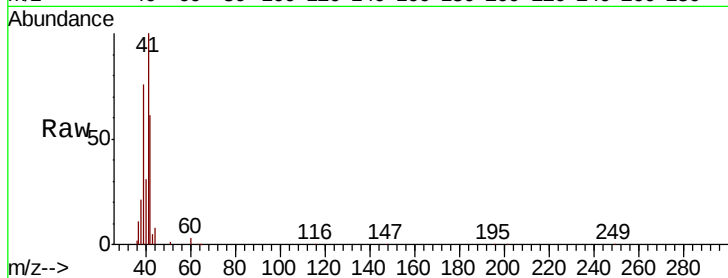
Ion Ratio Lower Upper

41 100

42 63.6 55.6 83.4

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#10

Heptane

Concen: 4.689 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034830.D

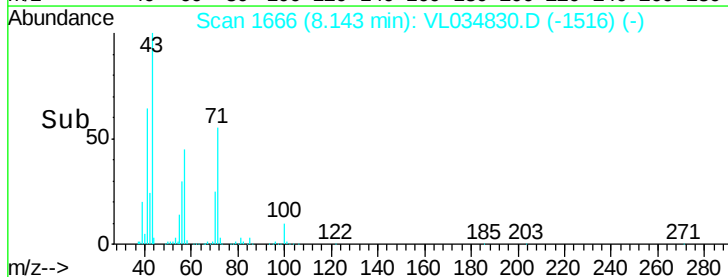
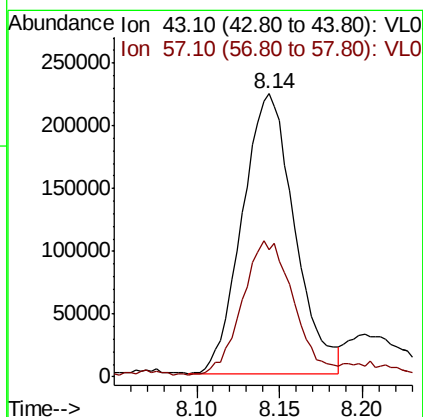
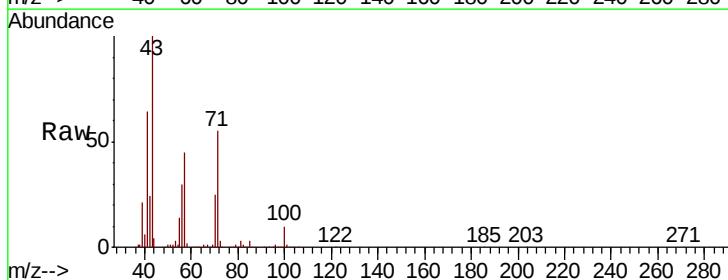
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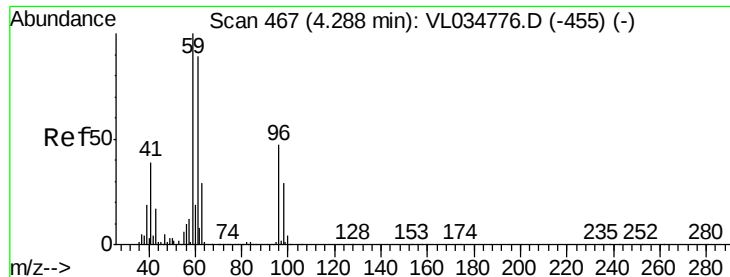
Tgt Ion: 43 Resp: 490830

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#





#17

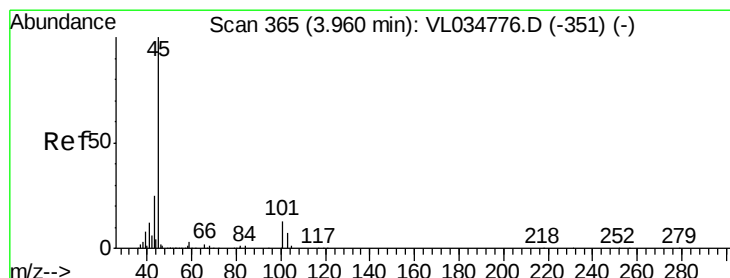
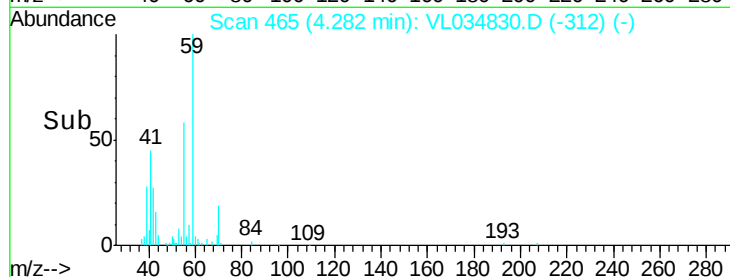
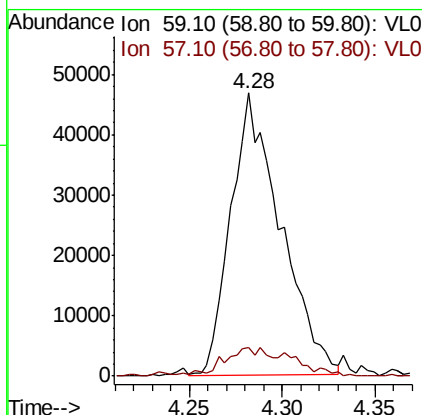
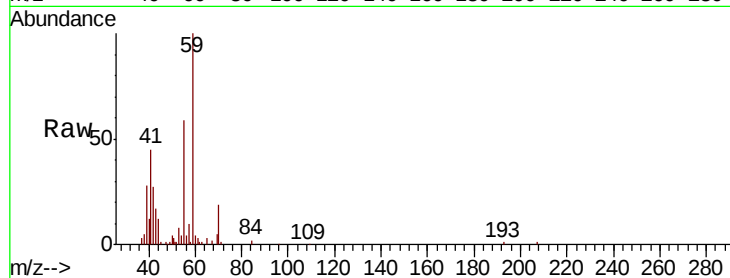
tert-Butyl alcohol
Concen: 1.009 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampled :
SS-3-4DL2

Tot Ion	59	Resp	87514
Ion Ratio	100	Lower	Upper
57	14.2	8.6	13.0#

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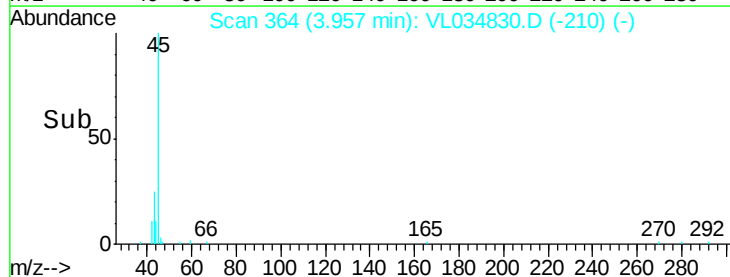
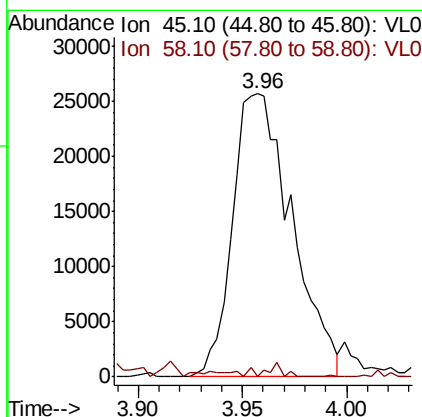
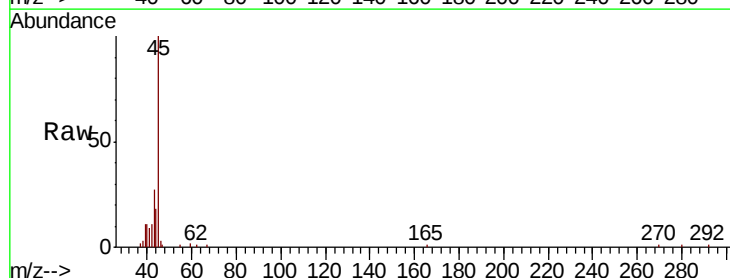
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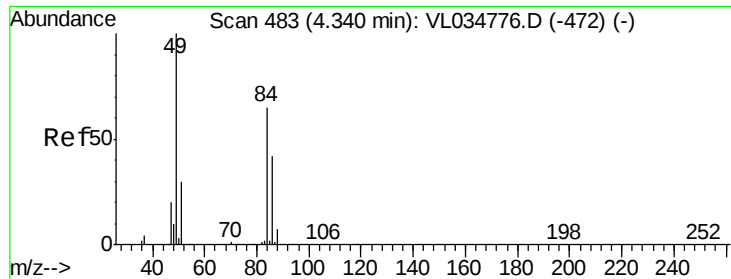


#19

Isopropyl Alcohol
Concen: 0.771 ppbv m
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion	45	Resp	50822
Ion Ratio	100	Lower	Upper
58	0.0	1.8	2.8#





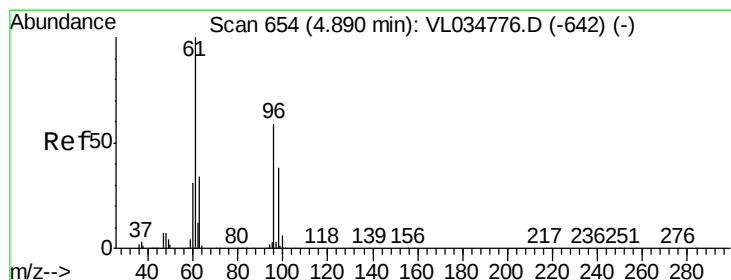
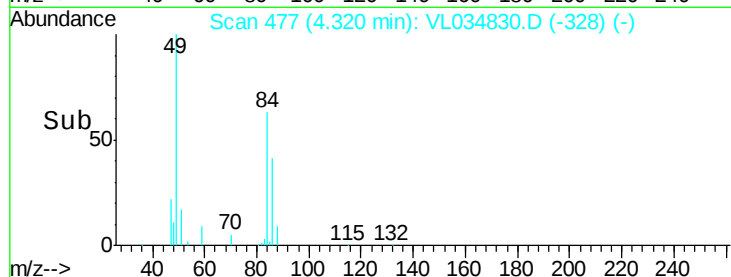
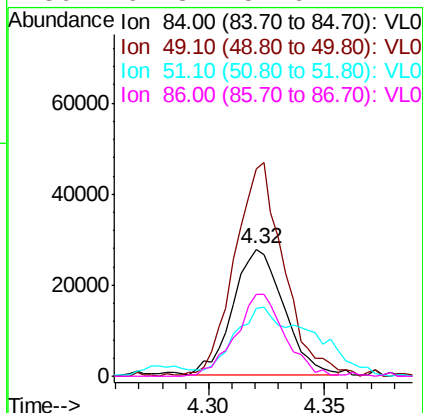
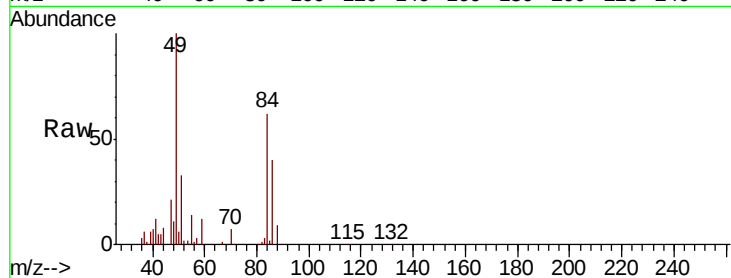
#20
Methvlene Chloride
Concen: 1.068 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion:	84	Resp:	41933
Ion	Ratio	Lower	Upper
84	100		
49	160.9	123.2	184.8
51	48.9	37.4	56.2
86	64.3	51.6	77.4

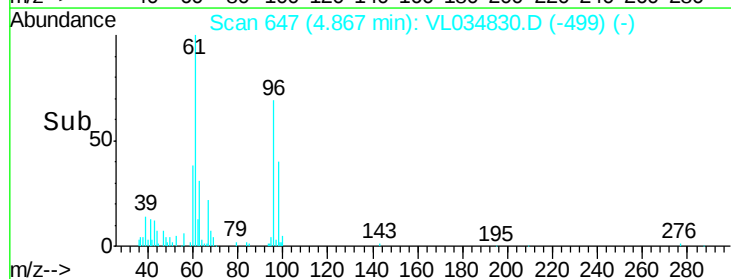
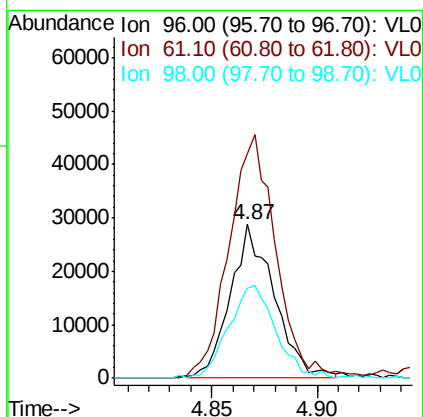
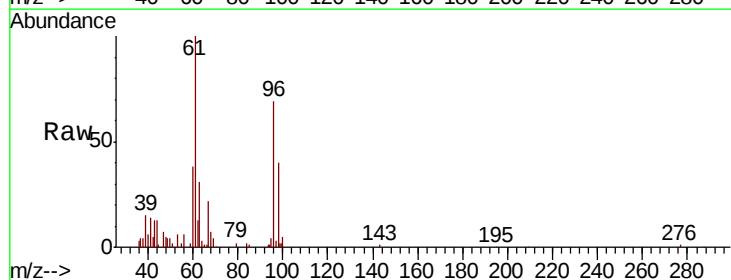
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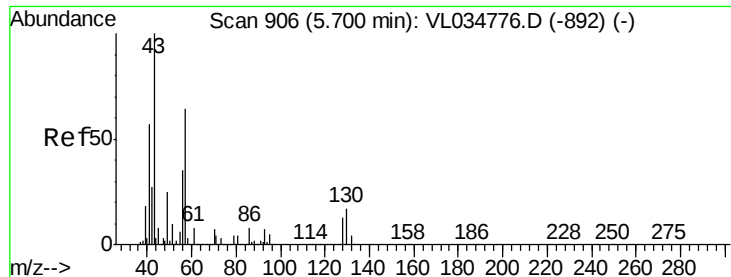
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#22
trans-1,2-Dichloroethene
Concen: 1.045 ppbv m
RT: 4.87 min Scan# 647
Delta R.T. -0.02 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion:	96	Resp:	41652
Ion	Ratio	Lower	Upper
96	100		
61	145.7	135.2	202.8
98	58.7	50.8	76.2





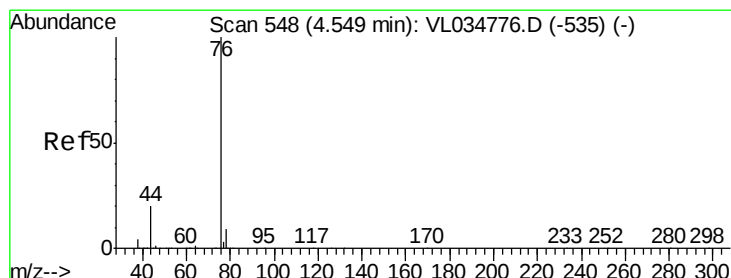
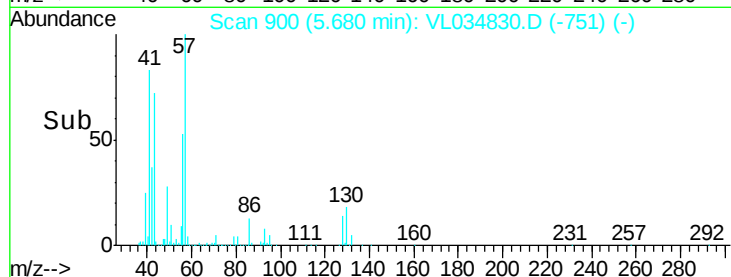
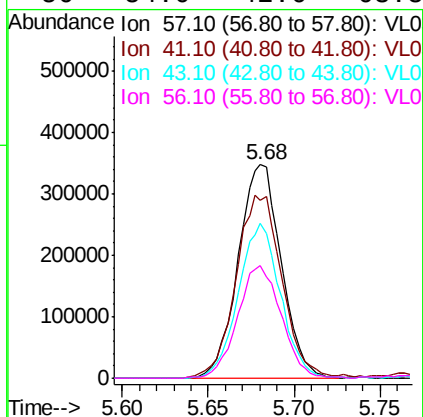
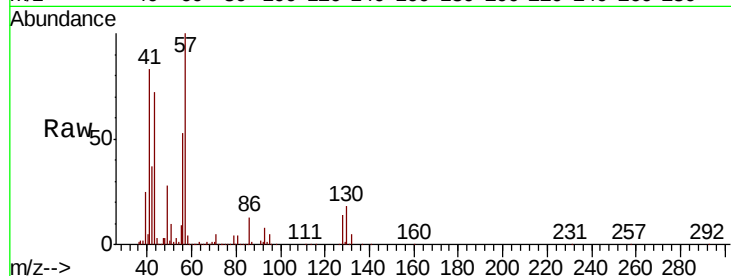
#26
Hexane
Concen: 7.220 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion	57	Resp	599476
Ion	Ratio	Lower	Upper
57	100		
41	92.6	72.0	108.0
43	71.6	179.1	268.7#
56	54.0	42.6	63.8

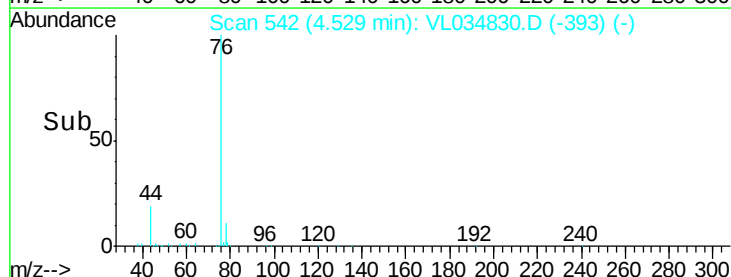
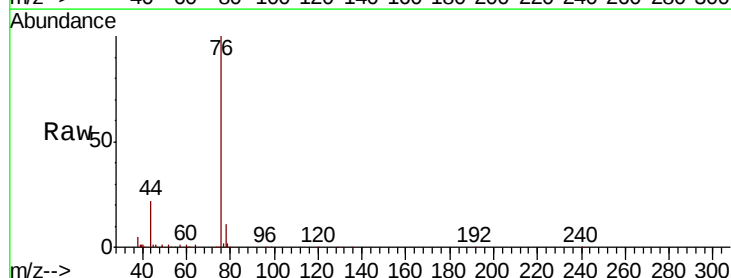
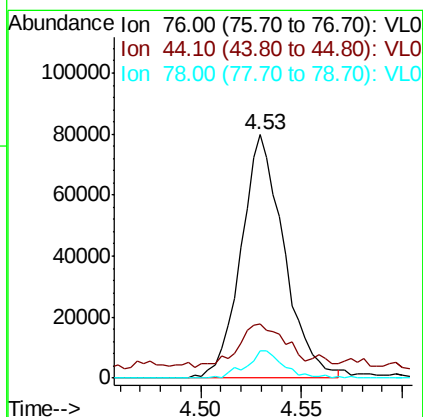
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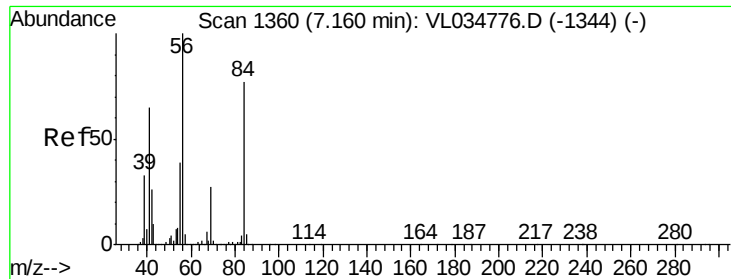
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#27
Carbon Disulfide
Concen: 1.223 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.02 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion	76	Resp	118620
Ion	Ratio	Lower	Upper
76	100		
44	32.3	16.1	24.1#
78	9.9	7.5	11.3





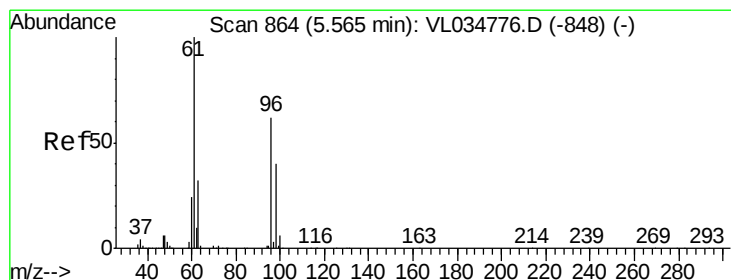
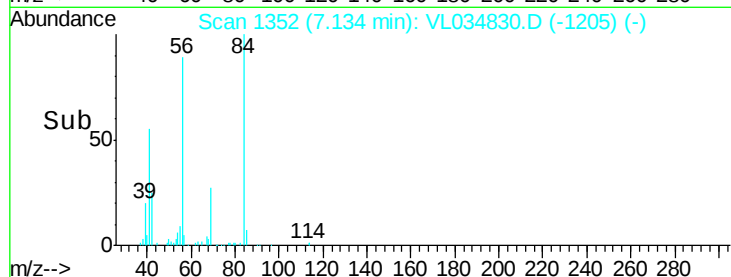
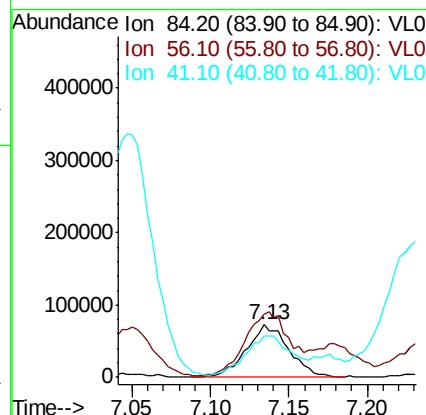
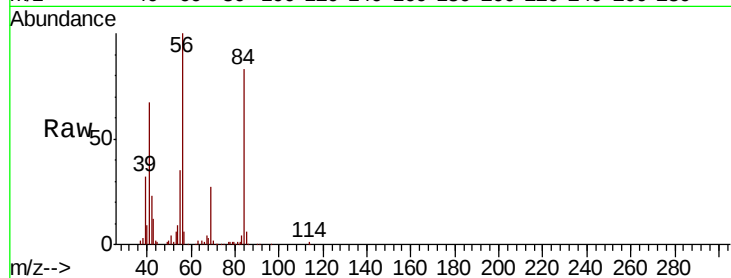
#30
Cvclohexane
Concen: 2.171 ppbv m
RT: 7.13 min Scan# 1352
Delta R.T. -0.03 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
84	100		
56	195.1	113.2	169.8#
41	100.3	70.2	105.4

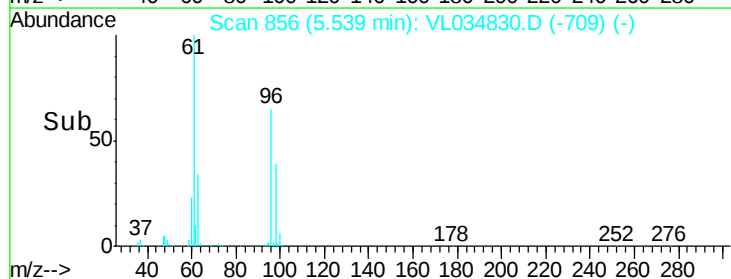
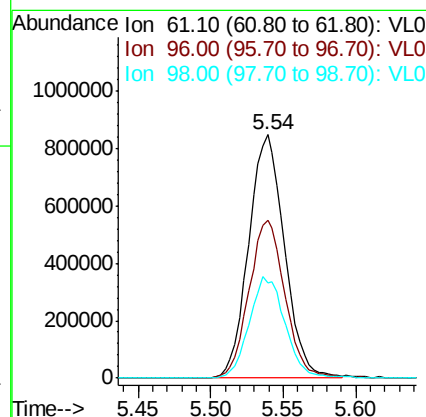
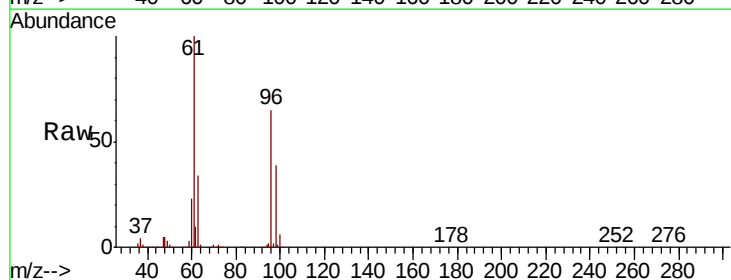
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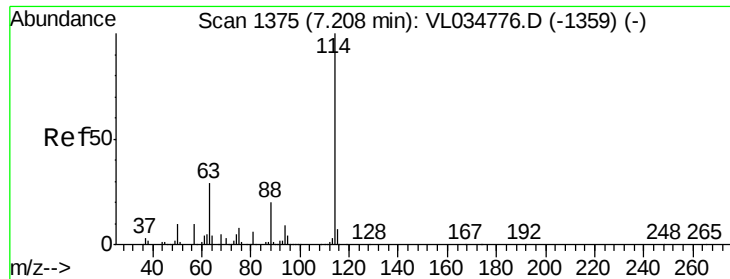
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#31
cis-1,2-Dichloroethene
Concen: 17.170 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.03 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.7	49.7	74.5
98	39.3	31.9	47.9





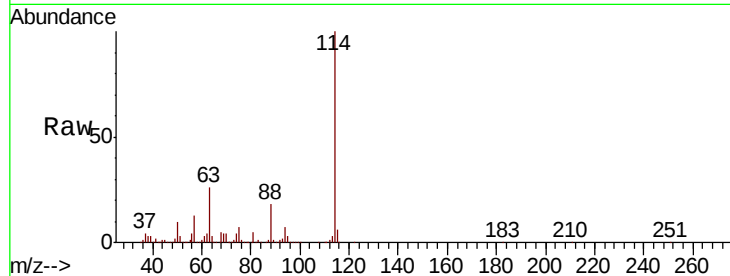
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.03 min
 Lab File: VL034830.D
 Acq: 7 Mar 2020 1:01

Instrument :
 MSVOA_L
 ClientSampled :
 SS-3-4DL2

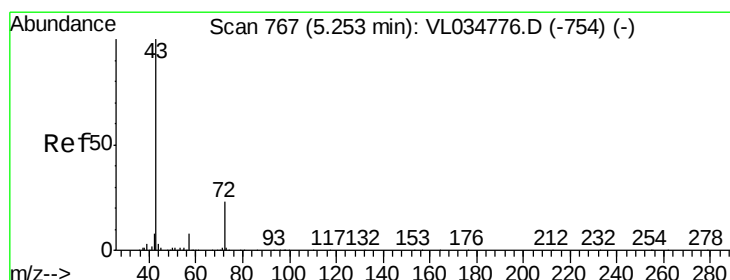
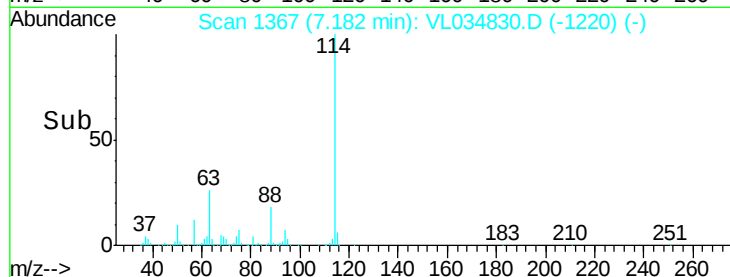
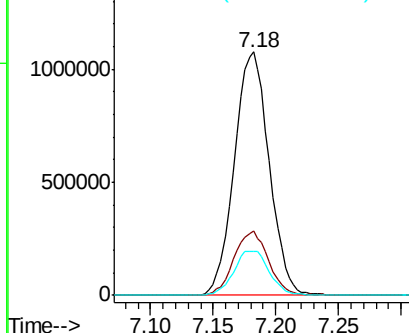
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	23.6	35.4
88	18.8	15.8	23.8

Manual Integrations
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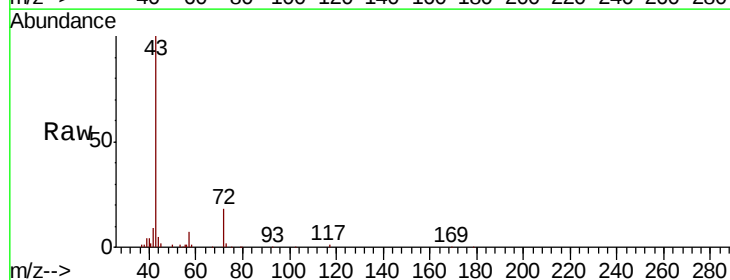


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

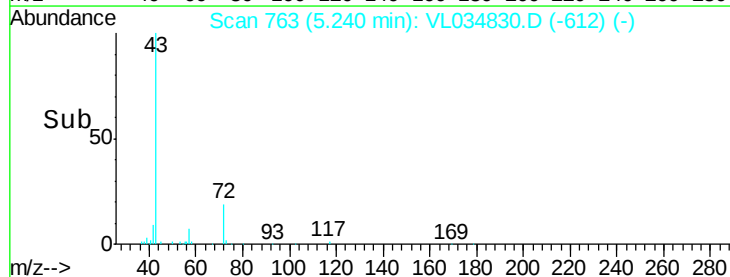
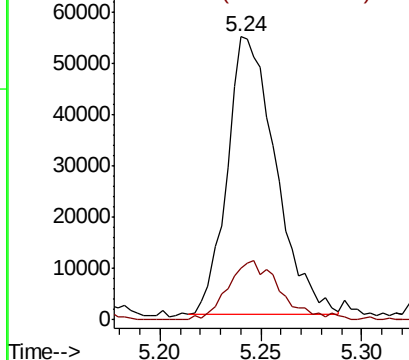


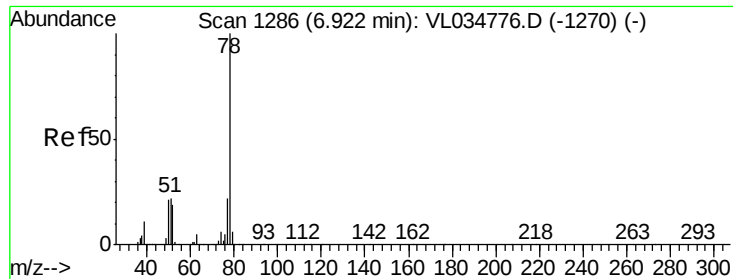
#34
 2-Butanone
 Concen: 0.671 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL034830.D
 Acq: 7 Mar 2020 1:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.5	26.3



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





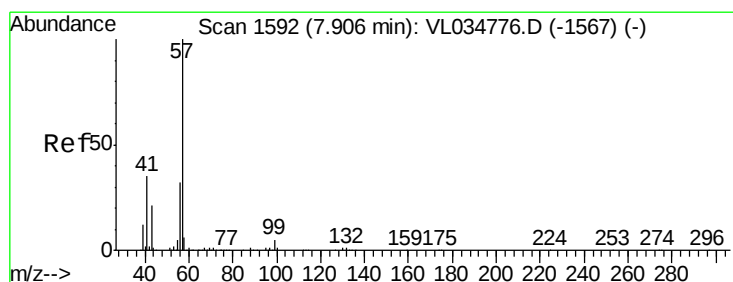
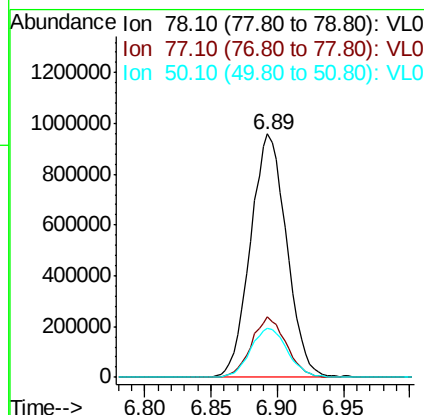
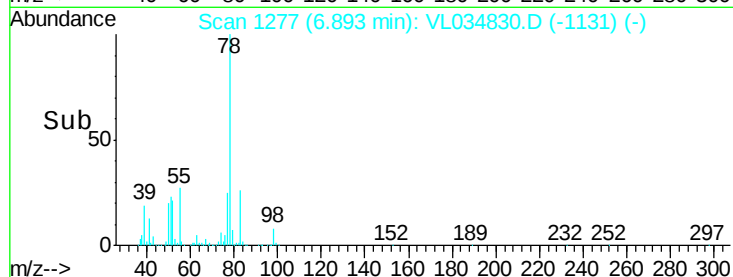
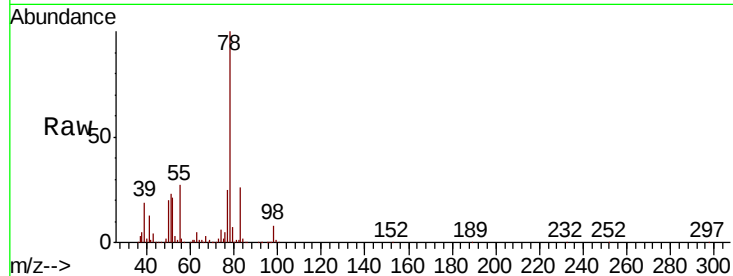
#36
Benzene
Concen: 10.262 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.03 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.0	27.0
50	20.2	16.9	25.3

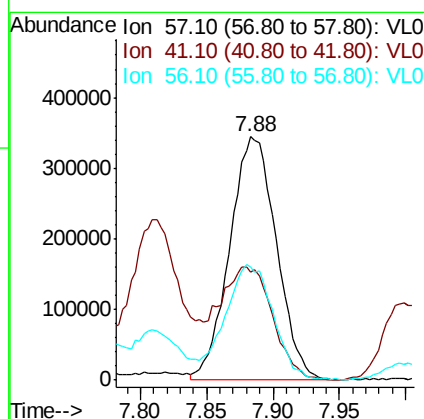
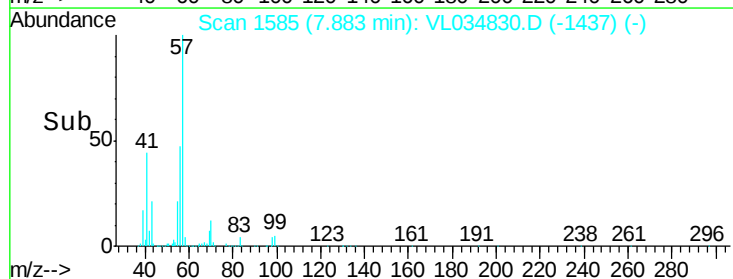
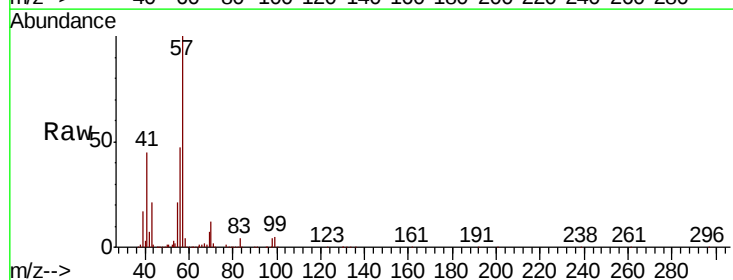
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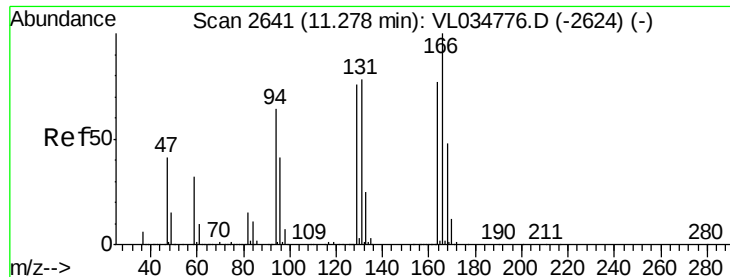
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#44
2,2,4-Trimethylpentane
Concen: 2.697 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.02 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	57.4	27.4	41.0#
56	49.7	25.0	37.6#





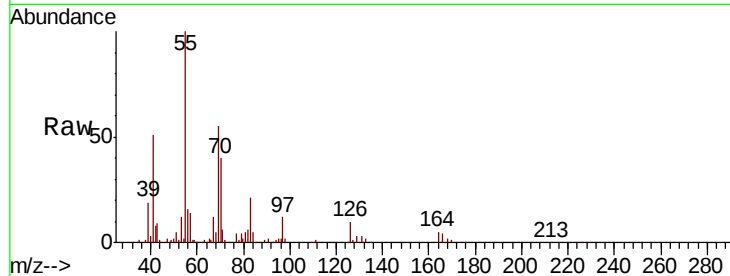
#52
Tetrachloroethene
Concen: 0.192 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
164	100		
166	89.5	103.3	154.9#
129	65.9	79.0	118.4#
131	68.8	81.0	121.4#

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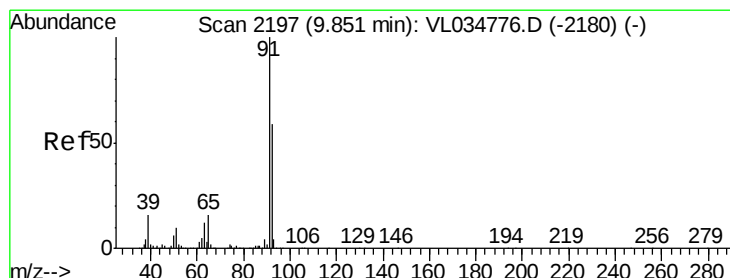
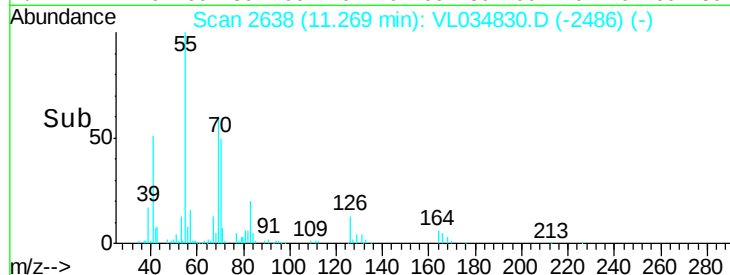
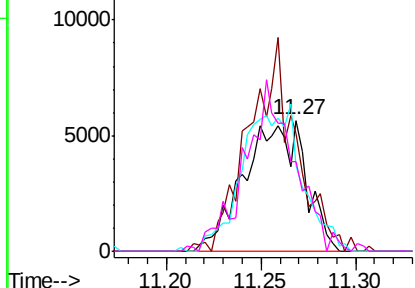
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

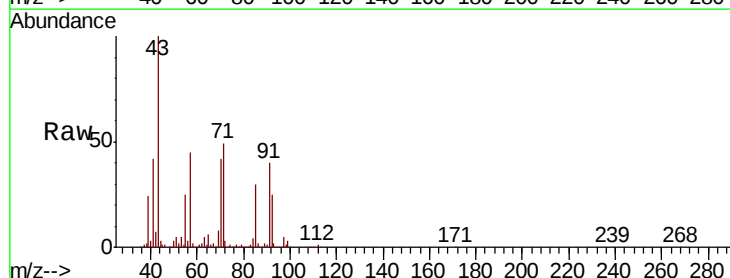
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53
Toluene
Concen: 4.473 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. -0.02 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

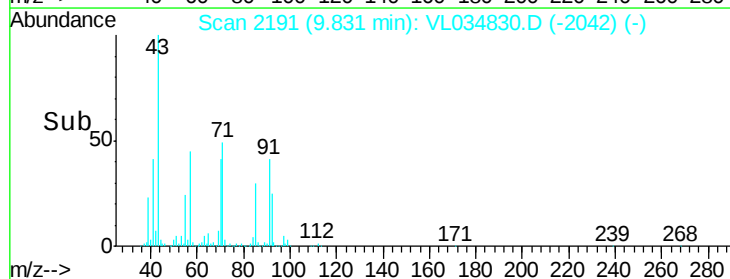
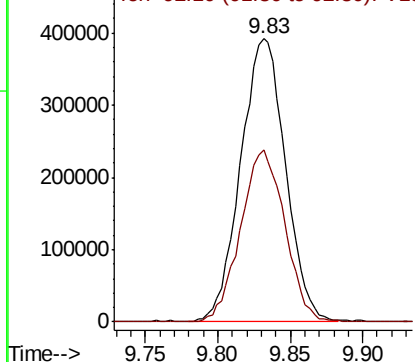
Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.2

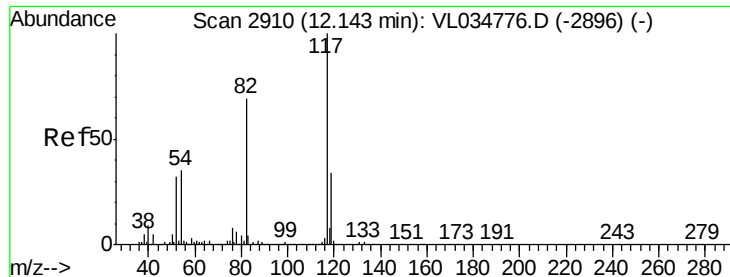


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





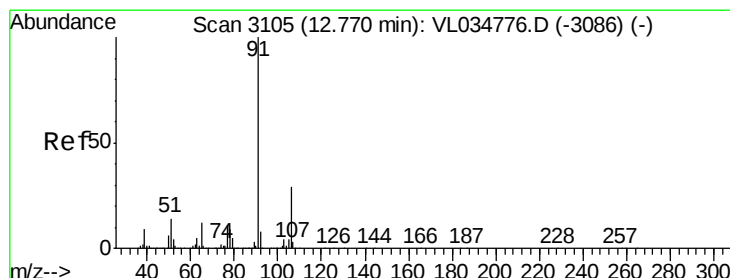
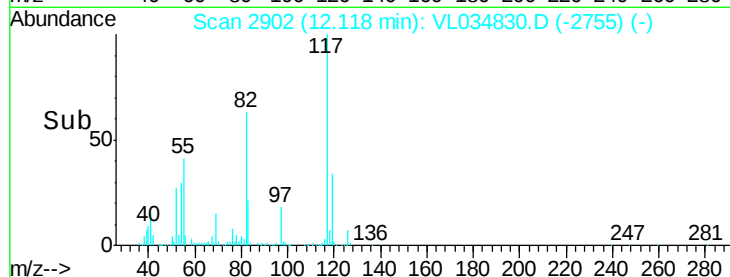
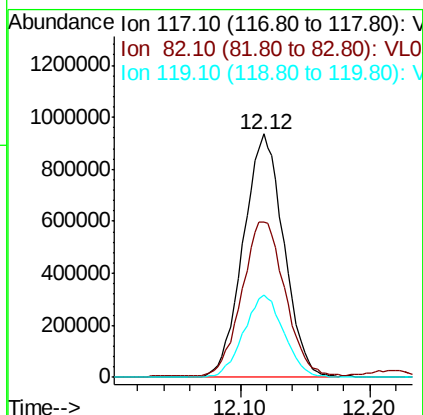
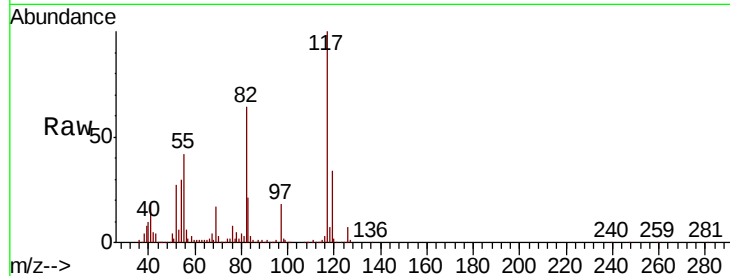
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion:117 Resp: 2047299
Ion Ratio Lower Upper
117 100
82 69.1 53.9 80.9
119 33.6 25.0 37.4

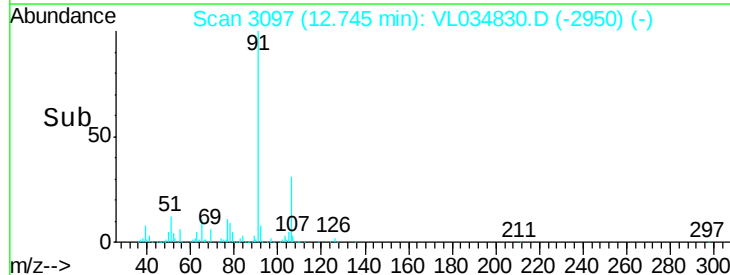
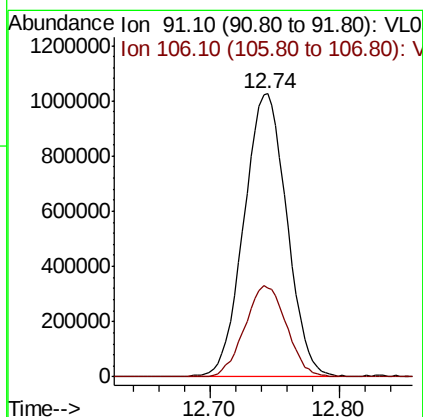
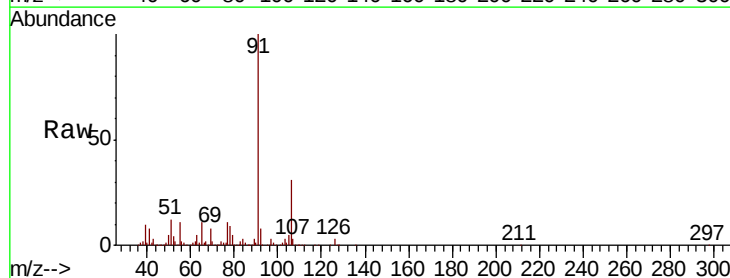
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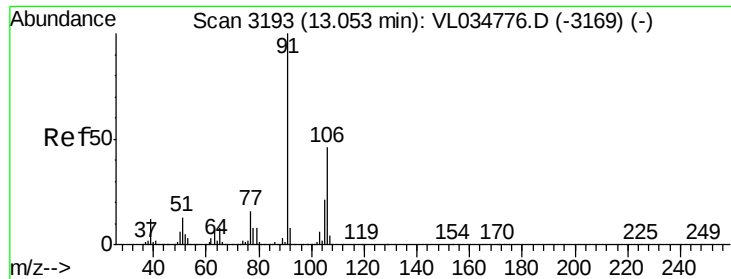
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#58
Ethyl Benzene
Concen: 9.348 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. -0.03 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion: 91 Resp: 2358399
Ion Ratio Lower Upper
91 100
106 31.4 22.8 34.2





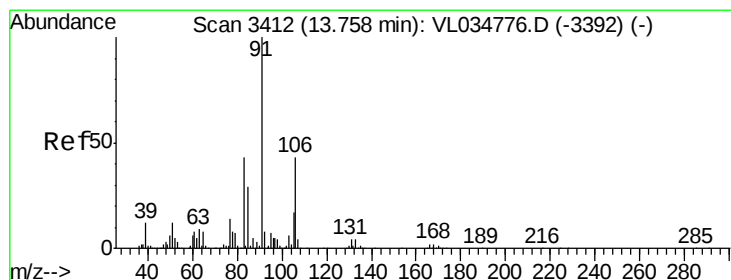
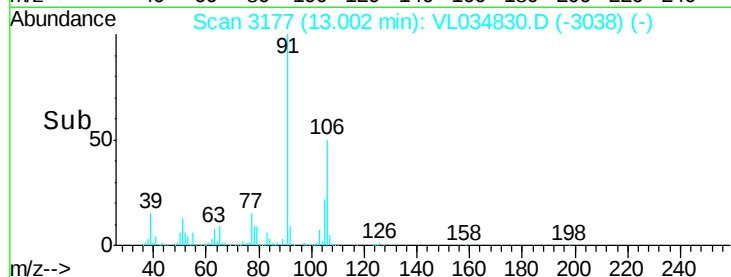
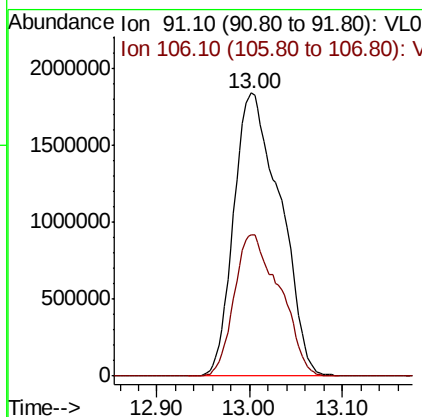
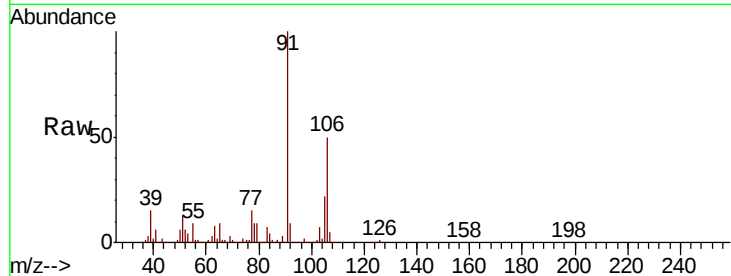
#59
m/p-Xylene
Concen: 29.196 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.05 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Instrument :
MSVOA_L
ClientSampled :
SS-3-4DL2

Tot Ion: 91 Resp: 6376477
Ion Ratio Lower Upper
91 100
106 49.5 35.8 53.8

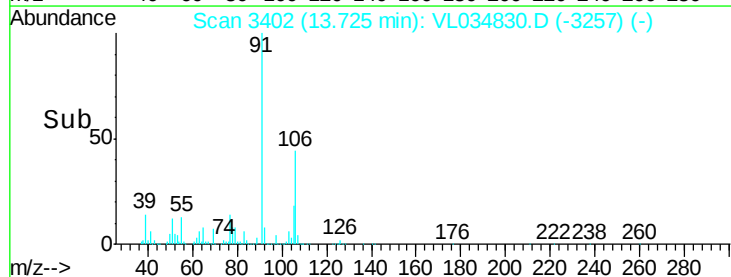
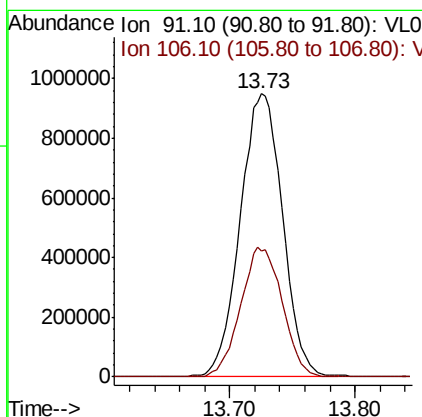
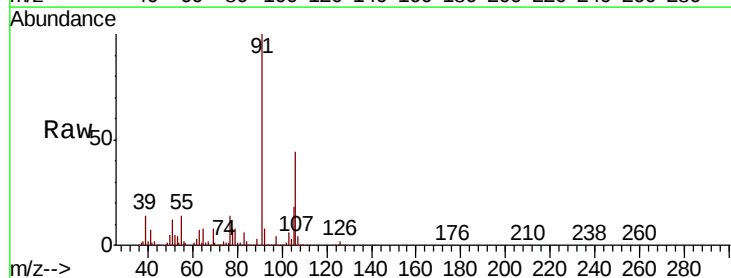
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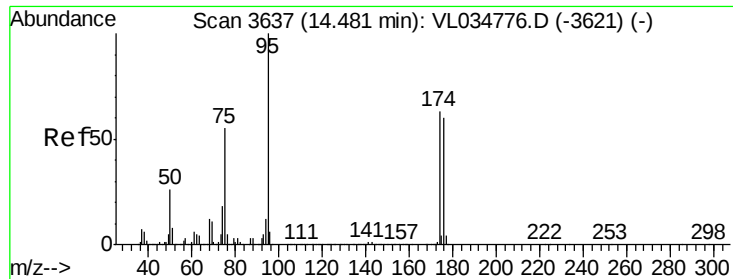
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#60
o-Xylene
Concen: 10.001 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.03 min
Lab File: VL034830.D
Acq: 7 Mar 2020 1:01

Tgt Ion: 91 Resp: 2209834
Ion Ratio Lower Upper
91 100
106 45.5 21.7 65.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.747 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.03 min

Lab File: VL034830.D

Acq: 7 Mar 2020 1:01

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

Tot Ion: 95 Resp: 1663919

Ion Ratio Lower Upper

95 100

174 70.7 50.6 76.0

175 5.8 3.8 5.6#

Manual Integrations
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