

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
 Data File : VL034349.D
 Acq On : 24 Oct 2019 16:53
 Operator : SY/AP
 Sample : K5477-02 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6

Manual Integrations
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MMDadoda
 10/28/2019 9:43:26 AM

Quant Time: Oct 27 19:25:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	925335	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2018269	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1949507	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1584274	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Heptane	8.16	43	16046m	0.130	ppbv	
15) Acetone	3.85	43	77499	0.586	ppbv #	85
22) trans-1,2-Dichloroethene	4.89	96	11007	0.254	ppbv #	74
26) Hexane	5.70	57	32723	0.344	ppbv #	39
29) Chloroform	5.77	83	92315	0.613	ppbv	85
31) cis-1,2-Dichloroethene	5.56	61	2118278	21.915	ppbv #	87
34) 2-Butanone	5.28	43	70416m	0.427	ppbv	
38) Trichloroethene	7.87	130	2709817	34.872	ppbv	97
51) 2-Hexanone	10.20	43	42248m	0.218	ppbv	
52) Tetrachloroethene	11.33	164	14840781	195.518	ppbv	92
53) Toluene	9.86	91	76038	0.356	ppbv	98
59) m/p-Xylene	13.03	91	137802m	0.584	ppbv	
60) o-Xylene	13.76	91	53256m	0.227	ppbv	
74) 1,2,4-Trimethylbenzene	16.83	105	36461	0.134	ppbv #	65

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

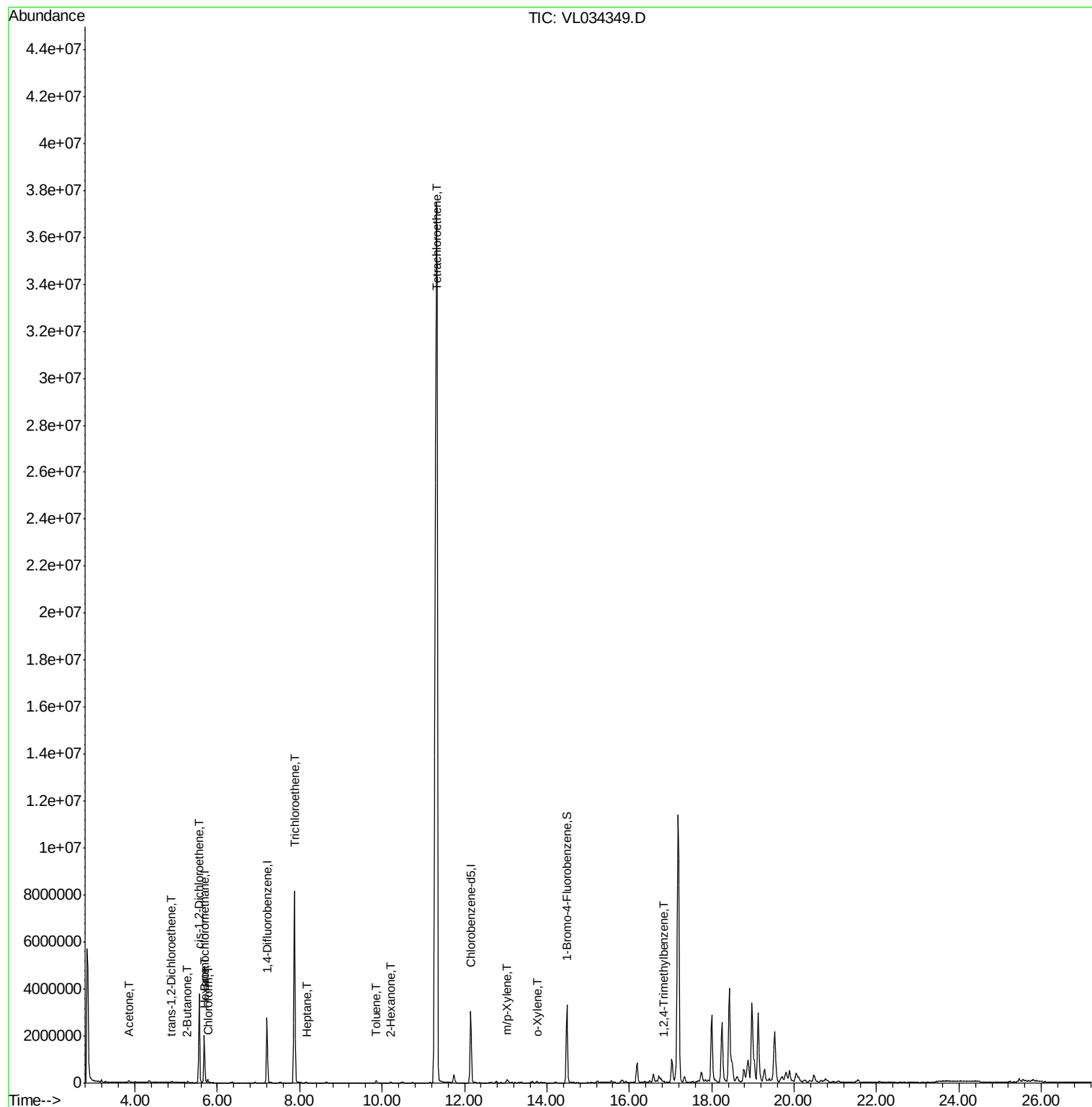
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
Data File : VL034349.D
Acq On : 24 Oct 2019 16:53
Operator : SY/AP
Sample : K5477-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

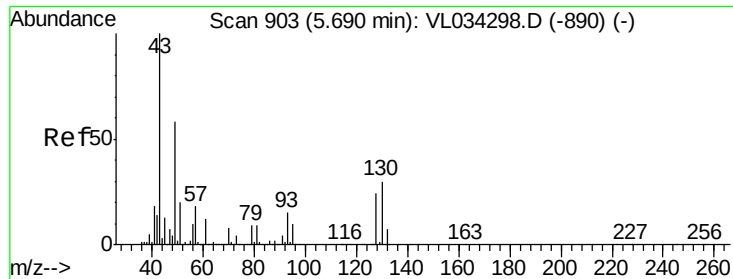
Instrument :
MSVOA_L
ClientSampleId :
SV6

Manual Integrations
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10/28/2019 9:43:26 AM

Quant Time: Oct 27 19:25:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034349.D

Acq: 24 Oct 2019 16:53

Instrument :

MSVOA_L

ClientSampled :

SV6

Tgt Ion: 49 Resp: 925335
Ion Ratio Lower Upper

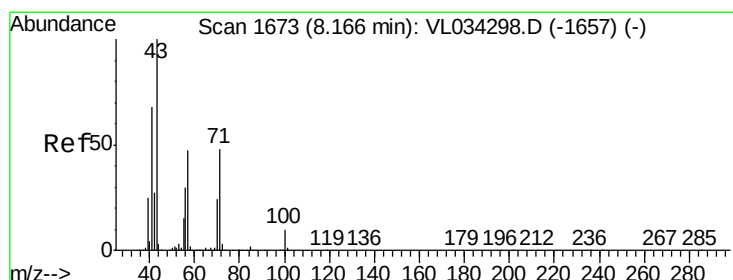
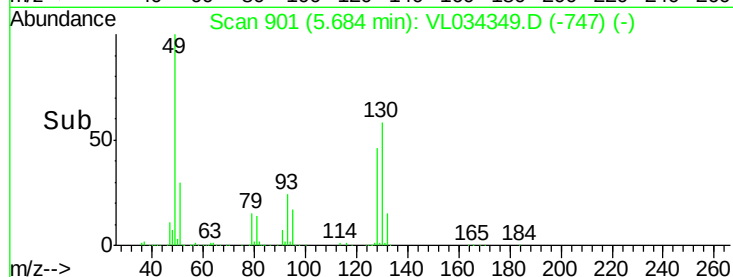
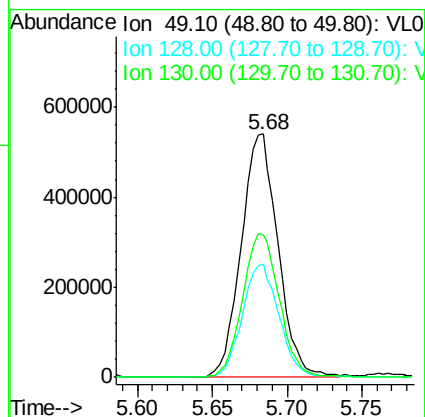
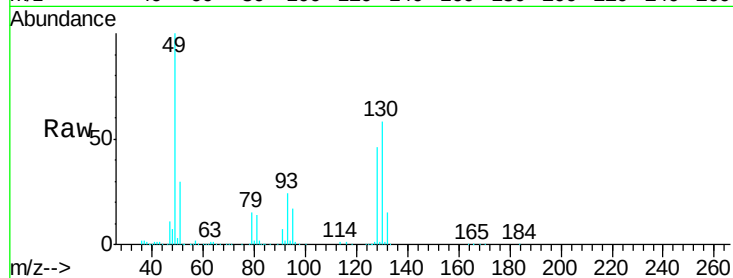
49 100

128 46.7 20.6 61.8

130 59.5 26.2 78.5

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#10

Heptane

Concen: 0.130 ppbv m

RT: 8.16 min Scan# 1672

Delta R.T. -0.00 min

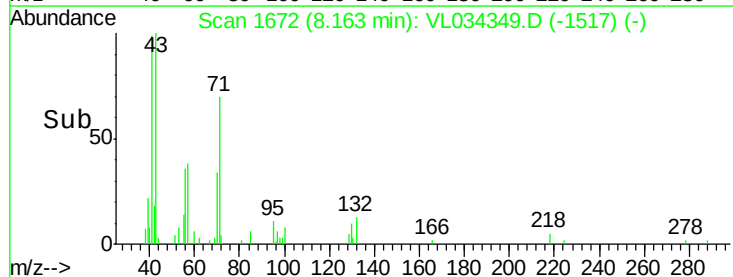
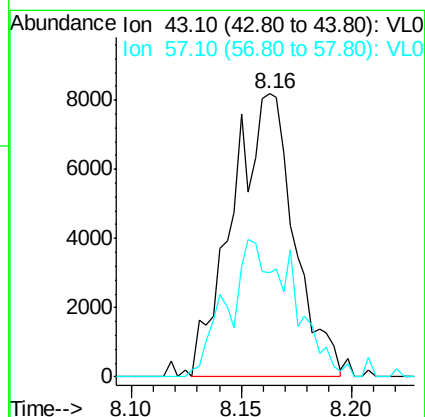
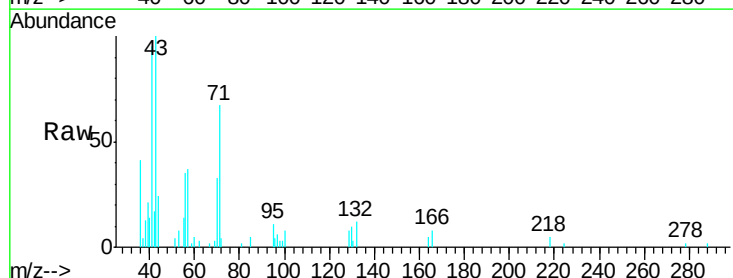
Lab File: VL034349.D

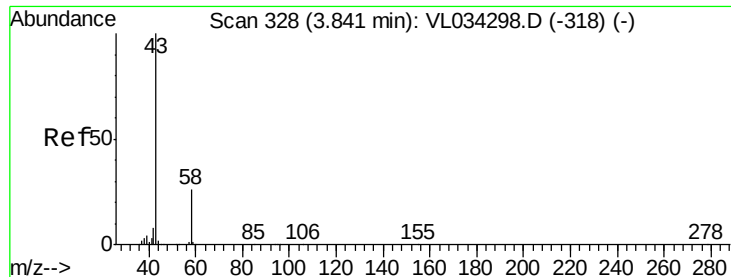
Acq: 24 Oct 2019 16:53

Tgt Ion: 43 Resp: 16046
Ion Ratio Lower Upper

43 100

57 52.0 39.5 59.3





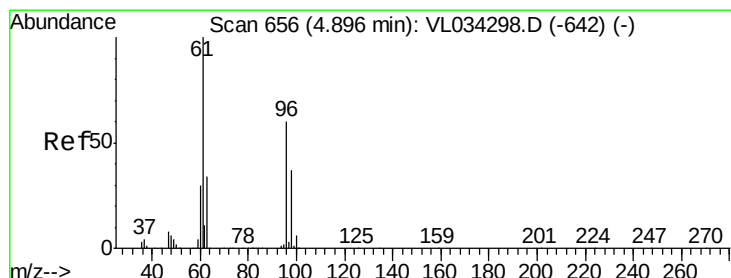
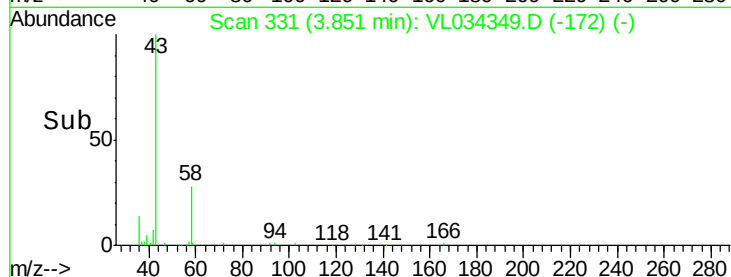
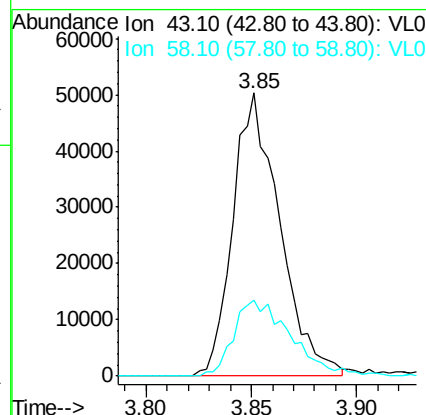
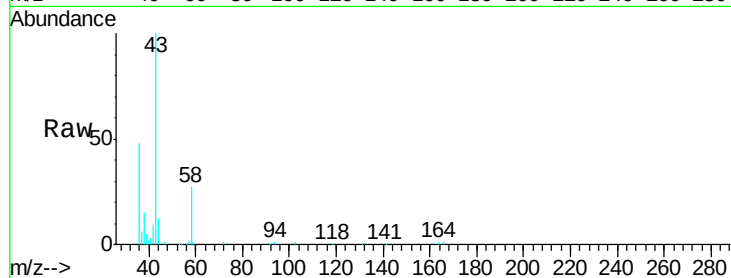
#15
Acetone
Concen: 0.586 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampled :
SV6

Tgt Ion: 43 Resp: 77499
Ion Ratio Lower Upper
43 100
58 32.9 20.4 30.6#

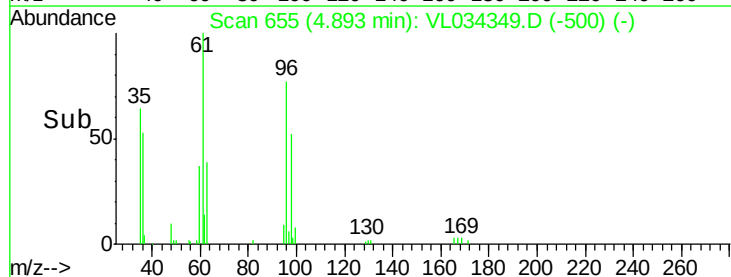
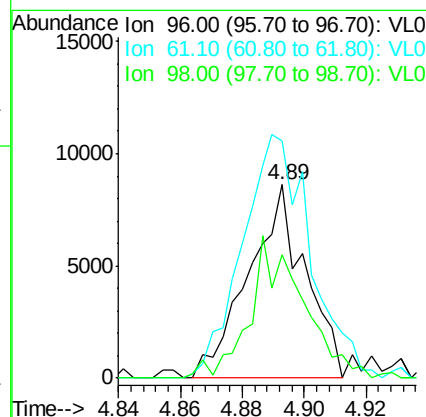
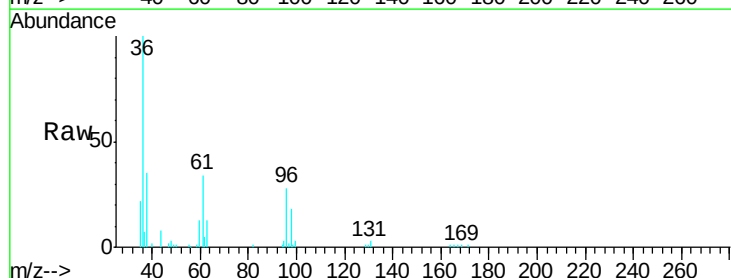
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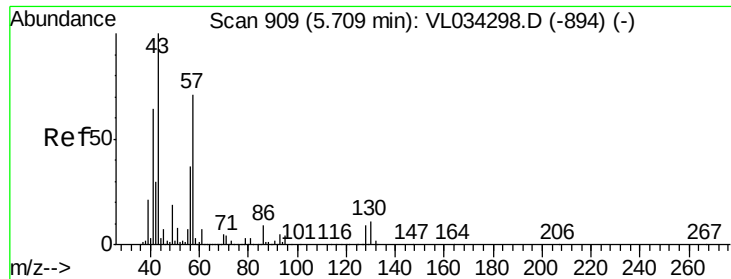
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#22
trans-1,2-Dichloroethene
Concen: 0.254 ppbv
RT: 4.89 min Scan# 655
Delta R.T. -0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 96 Resp: 11007
Ion Ratio Lower Upper
96 100
61 120.5 133.8 200.6#
98 65.4 49.4 74.0





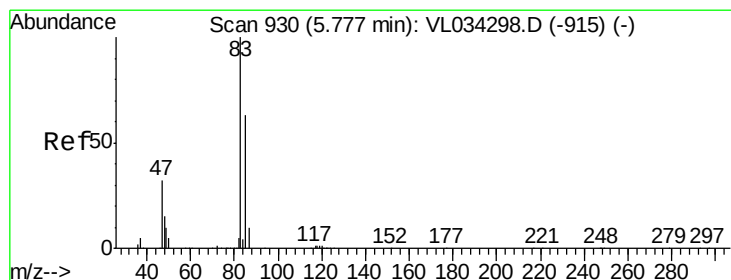
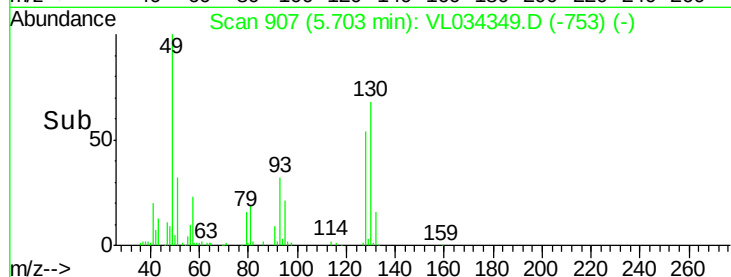
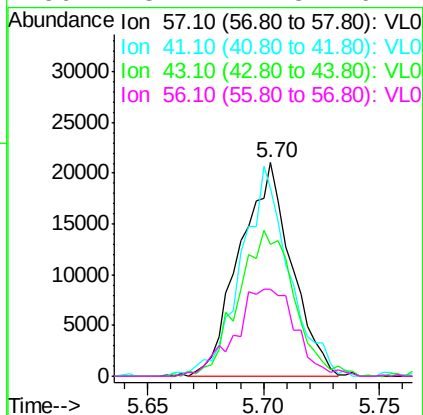
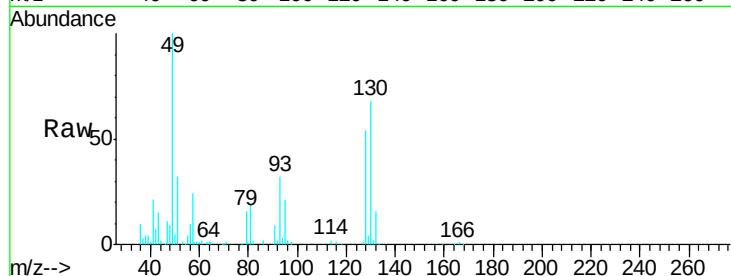
#26
Hexane
Concen: 0.344 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampled :
SV6

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.4	76.5	114.7
43	74.8	188.5	282.7#
56	48.2	42.8	64.2

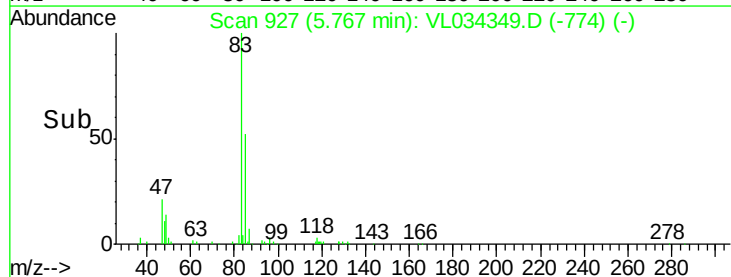
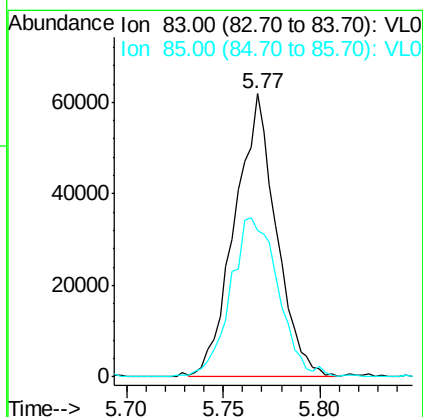
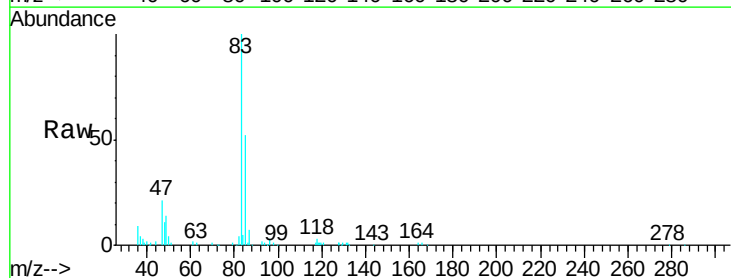
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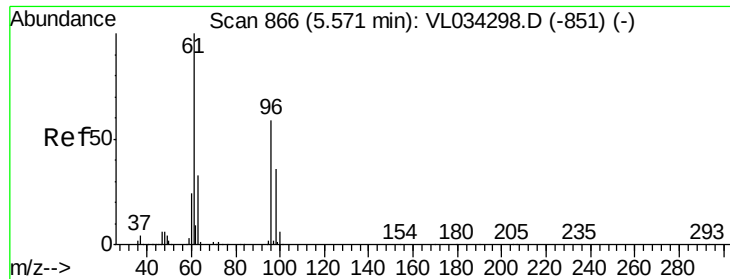
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#29
Chloroform
Concen: 0.613 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.7	50.5	75.7





#31

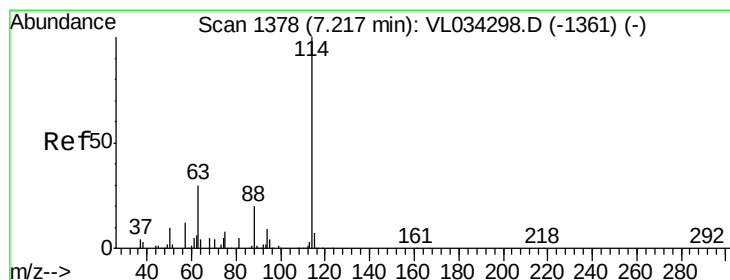
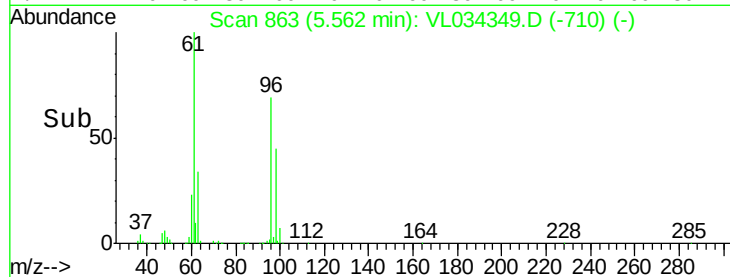
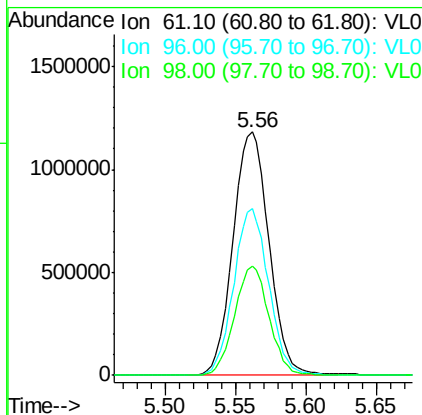
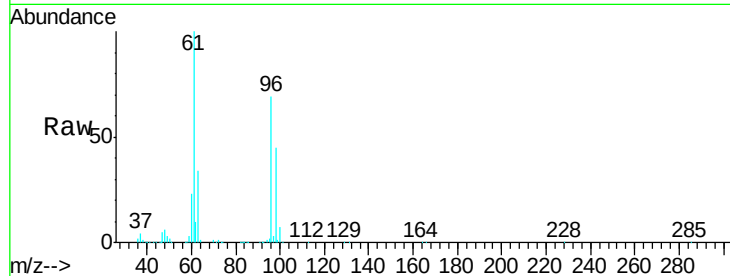
cis-1,2-Dichloroethene
Concen: 21.915 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.7	47.5	71.3
98	45.0	28.8	43.2

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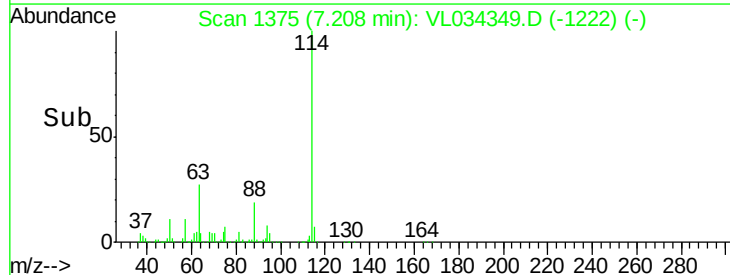
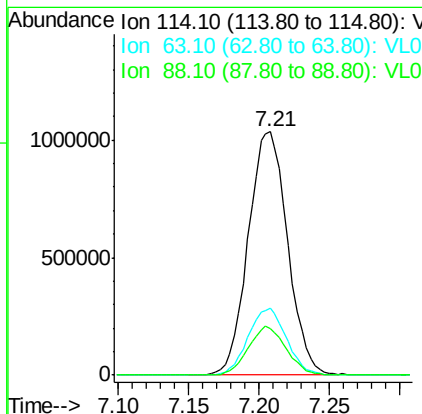
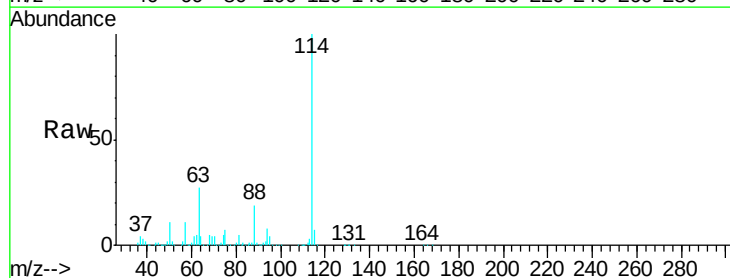
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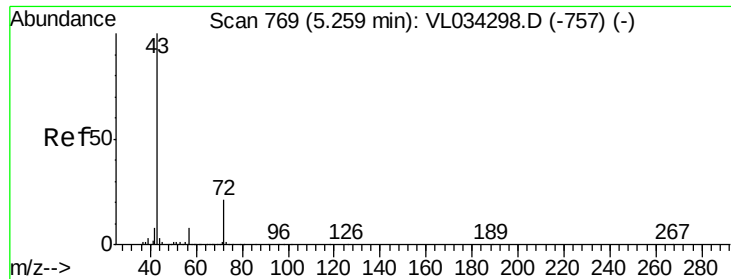


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	25.2	37.8
88	19.3	16.0	24.0





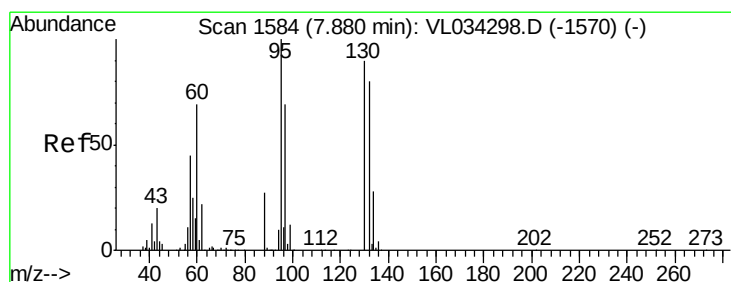
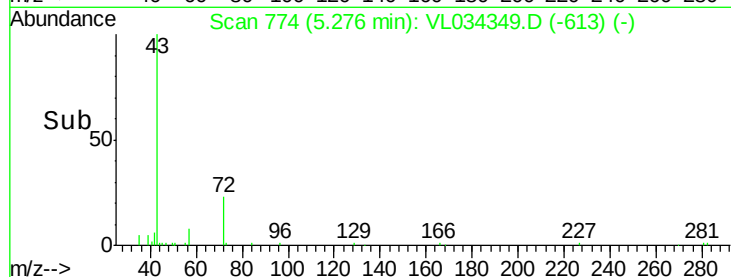
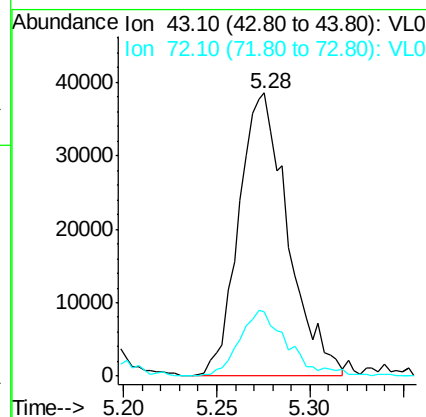
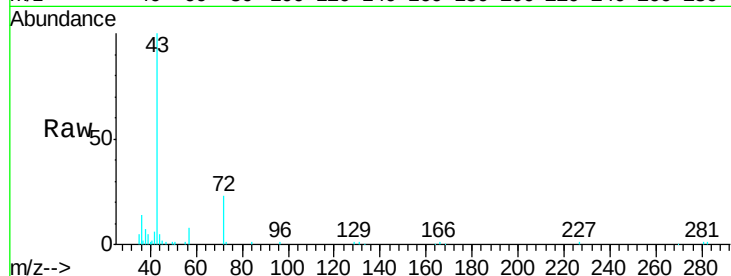
#34
2-Butanone
Concen: 0.427 ppbv m
RT: 5.28 min Scan# 774
Delta R.T. 0.02 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 43 Resp: 70416
Ion Ratio Lower Upper
43 100
72 23.1 16.3 24.5

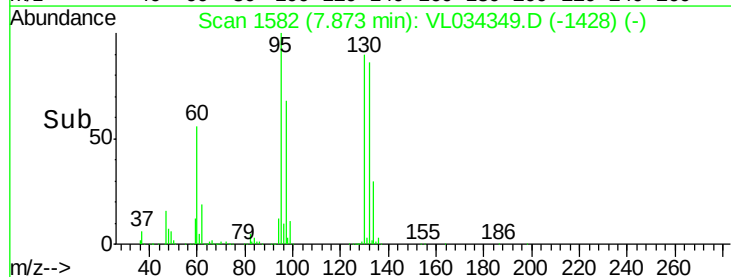
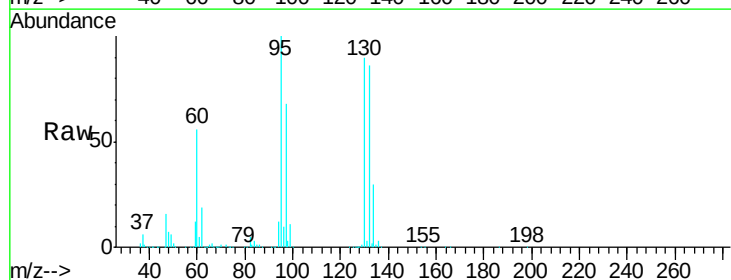
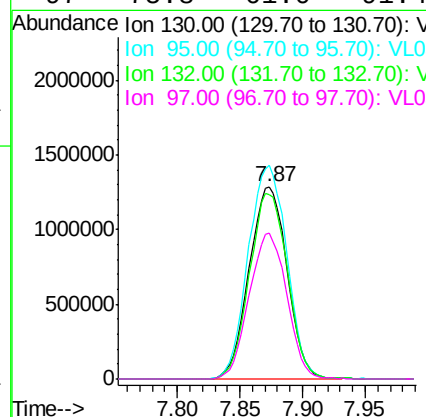
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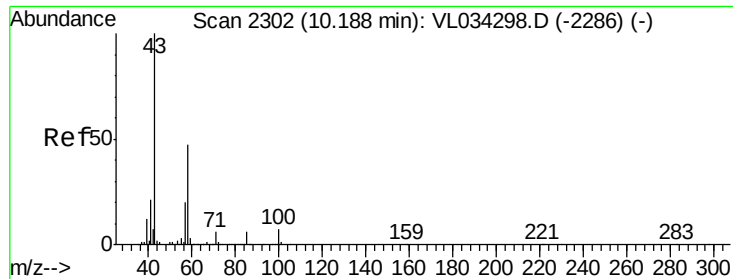
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#38
Trichloroethene
Concen: 34.872 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 130 Resp: 2709817
Ion Ratio Lower Upper
130 100
95 111.2 88.6 132.8
132 95.9 71.2 106.8
97 75.8 61.0 91.4





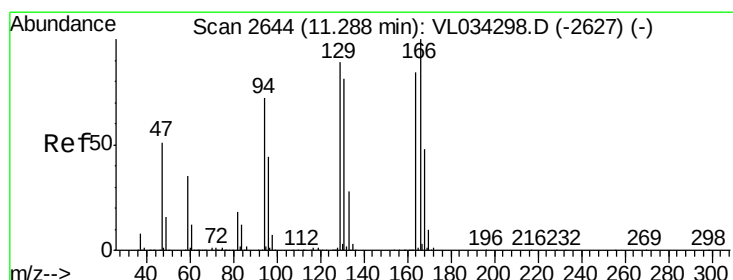
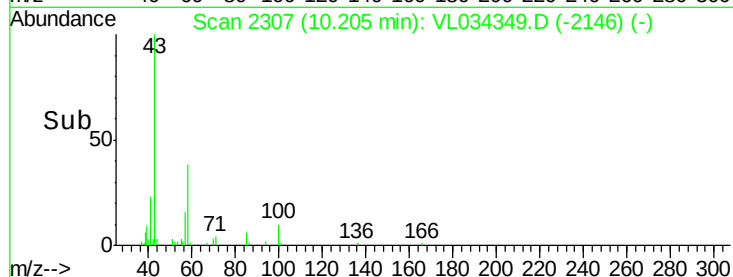
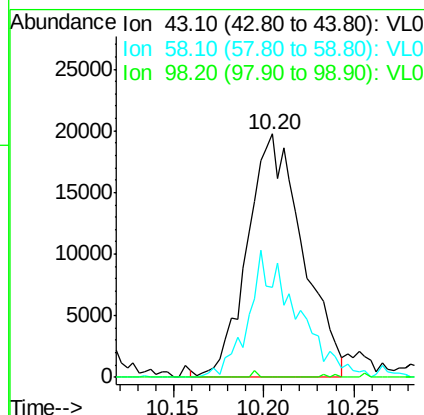
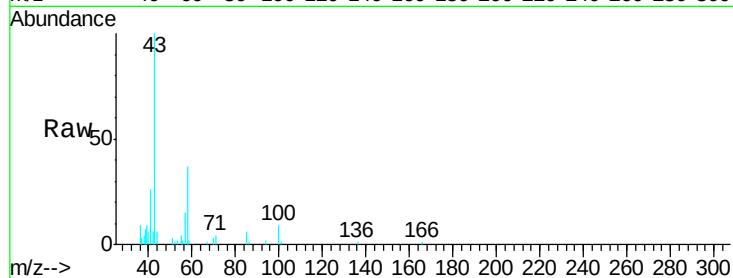
#51
2-Hexanone
Concen: 0.218 ppbv m
RT: 10.20 min Scan# 2307
Delta R.T. 0.02 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampled :
SV6

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.0	55.6#
98	0.0	0.2	0.2#

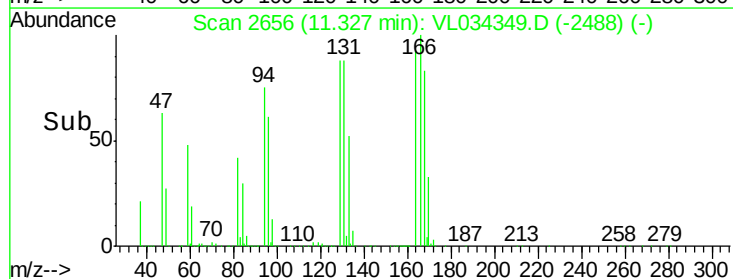
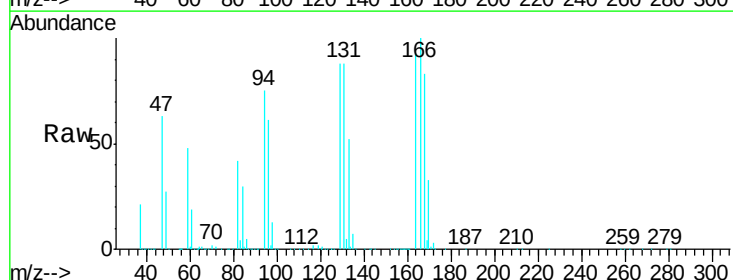
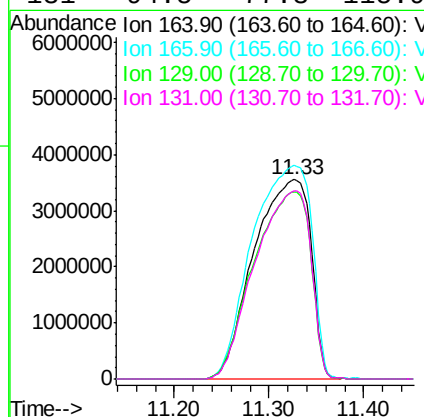
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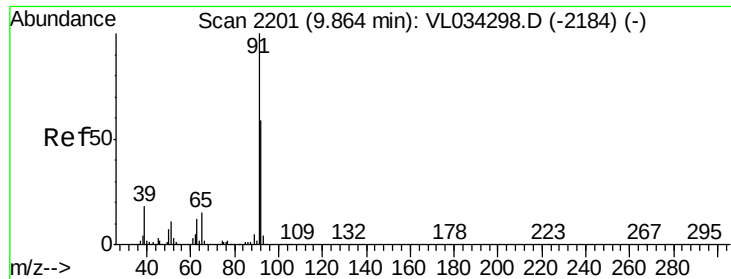
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#52
Tetrachloroethene
Concen: 195.518 ppbv
RT: 11.33 min Scan# 2656
Delta R.T. 0.04 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	107.1	95.3	142.9
129	93.8	84.5	126.7
131	94.5	77.3	115.9





#53

Toluene

Concen: 0.356 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034349.D

Acq: 24 Oct 2019 16:53

Instrument :

MSVOA_L

ClientSampled :

SV6

Tgt Ion: 91 Resp: 76038

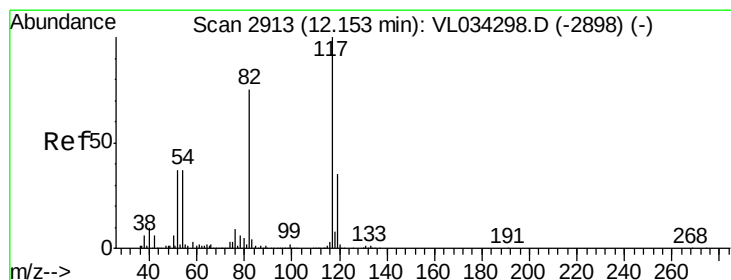
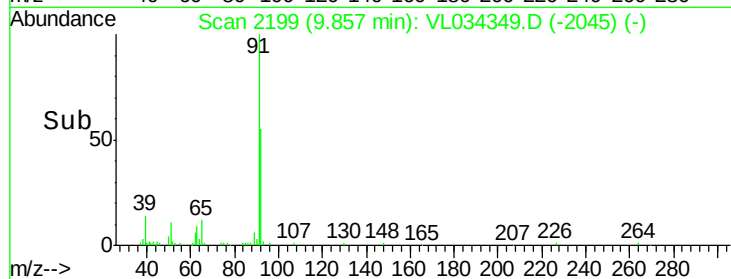
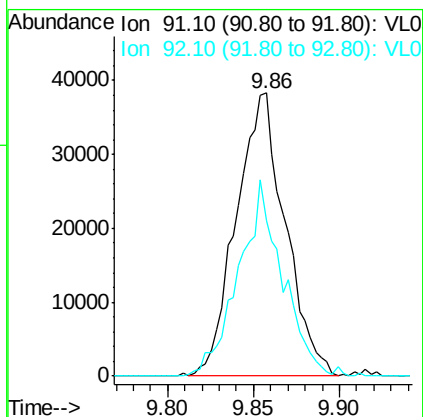
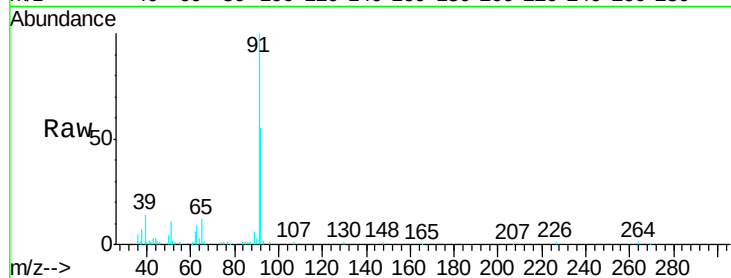
Ion Ratio Lower Upper

91 100

92 62.1 48.4 72.6

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL034349.D

Acq: 24 Oct 2019 16:53

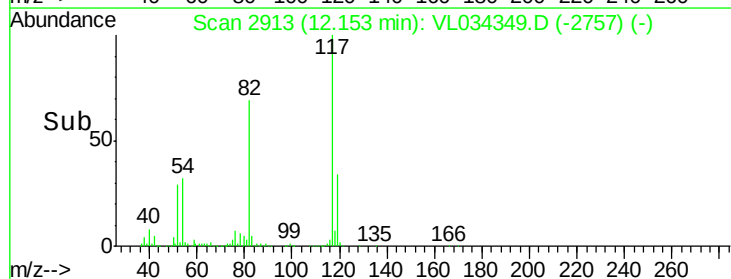
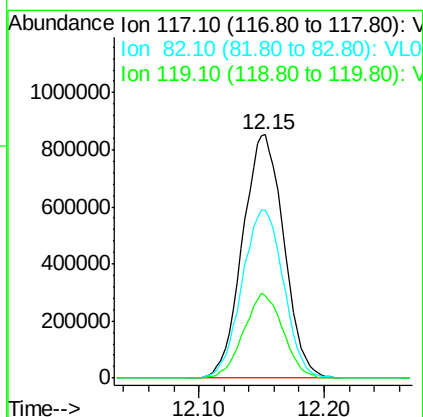
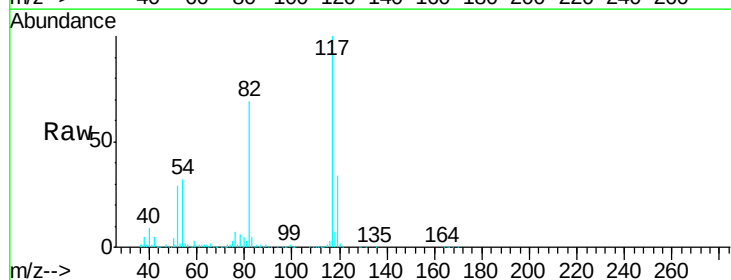
Tgt Ion: 117 Resp: 1949507

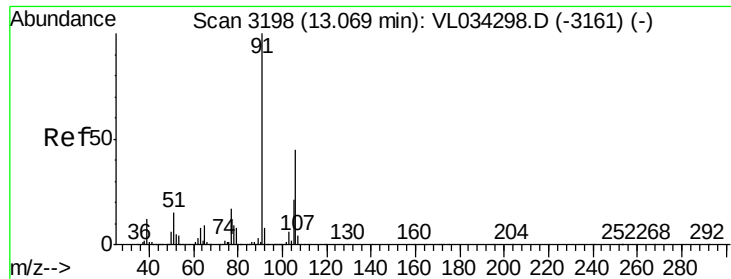
Ion Ratio Lower Upper

117 100

82 69.6 55.5 83.3

119 33.4 26.5 39.7





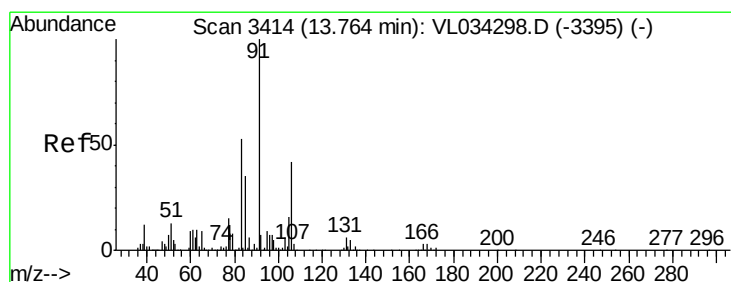
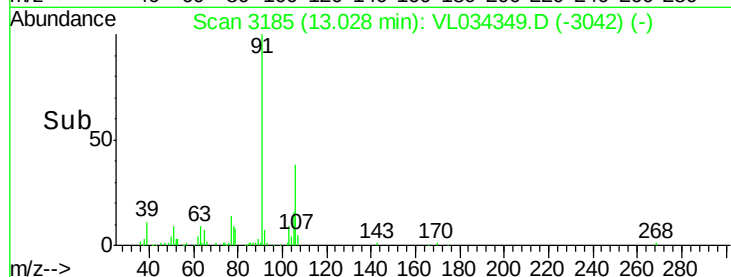
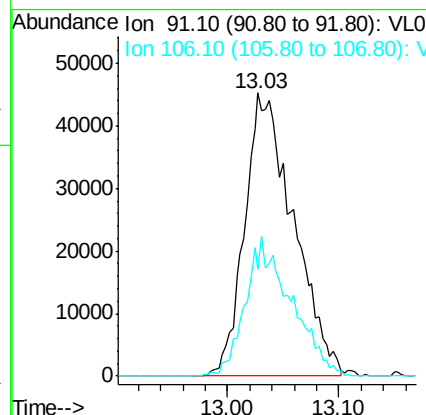
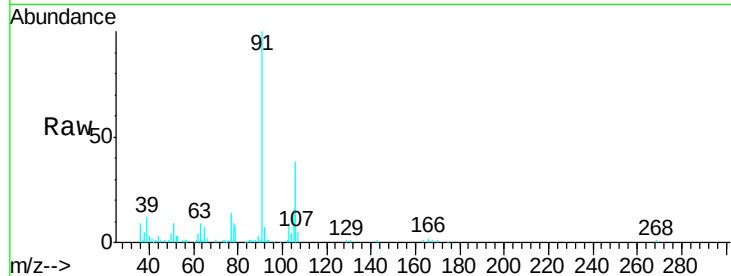
#59
m/p-Xylene
Concen: 0.584 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.04 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampled :
SV6

Tgt Ion: 91 Resp: 137802
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#

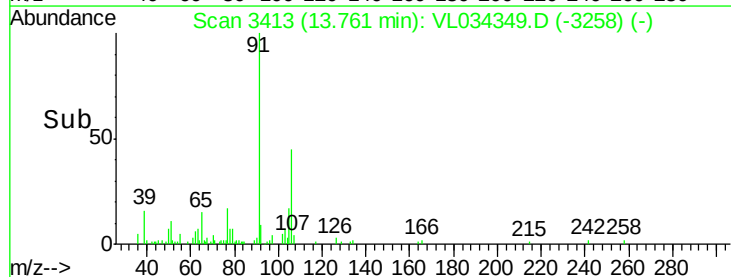
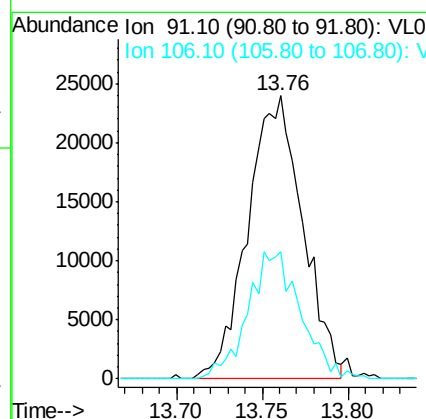
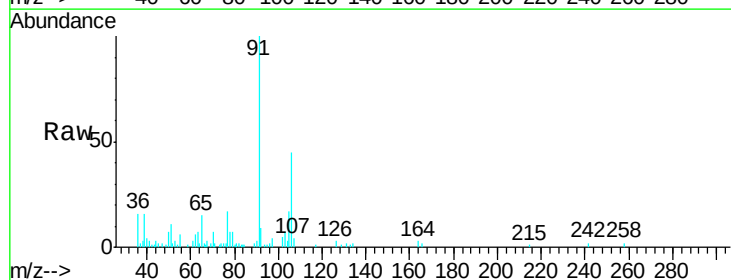
Manual Integrations
APPROVED

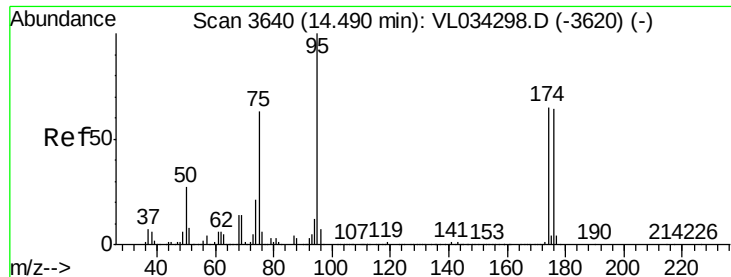
MMDadoda
10/28/2019 9:43:26 AM



#60
o-Xylene
Concen: 0.227 ppbv m
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 91 Resp: 53256
Ion Ratio Lower Upper
91 100
106 43.3 21.6 64.6





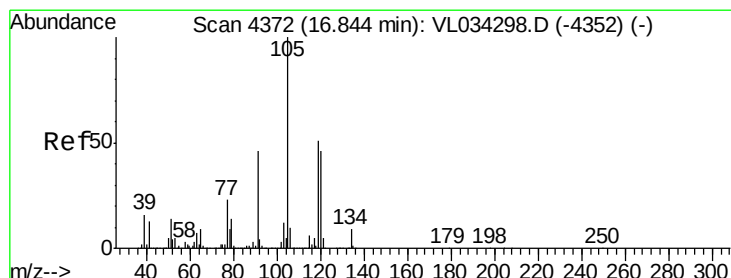
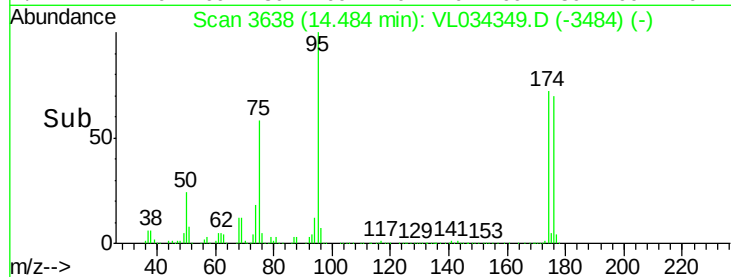
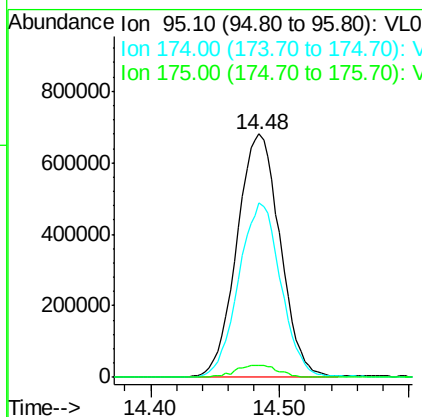
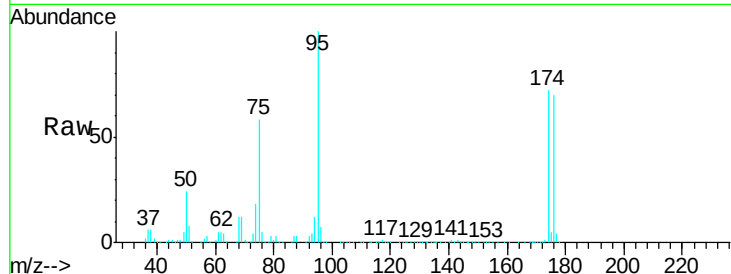
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.595 ppbv
 RT: 14.48 min Scan# 3638
 Delta R.T. -0.01 min
 Lab File: VL034349.D
 Acq: 24 Oct 2019 16:53

Instrument :
 MSVOA_L
 ClientSampled :
 SV6

Tgt Ion: 95 Resp: 1584274
 Ion Ratio Lower Upper
 95 100
 174 70.4 52.6 78.8
 175 5.1 3.8 5.6

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:43:26 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.134 ppbv
 RT: 16.83 min Scan# 4369
 Delta R.T. -0.01 min
 Lab File: VL034349.D
 Acq: 24 Oct 2019 16:53

Tgt Ion: 105 Resp: 36461
 Ion Ratio Lower Upper
 105 100
 120 29.7 37.0 55.6#
 91 14.9 38.2 57.2#
 77 11.4 19.0 28.4#

