

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034787.D
 Acq On : 4 Mar 2020 10:12
 Operator : SY/AP
 Sample : L1314-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100DL

Manual Integrations
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Quant Time: Mar 04 10:45:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 04 16:23:41 2020
 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	5.67	49	986553	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2120903	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	2044086	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1772047	10.40	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.45	94	358411	10.268	ppbv	96
26) Hexane	5.69	57	844153	9.465	ppbv #	42
30) Cyclohexane	7.14	84	747980	10.962	ppbv	98
35) Carbon Tetrachloride	7.03	117	1249330	7.807	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	716233	9.276	ppbv	96
52) Tetrachloroethene	11.26	164	602252m	8.995	ppbv	
59) m/p-Xylene	13.00	91	1740433	7.982	ppbv	98
60) o-Xylene	13.73	91	1488020	6.745	ppbv	97
72) 4-Ethyltoluene	15.88	105	2153821	8.768	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	932367	6.149	ppbv	98

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

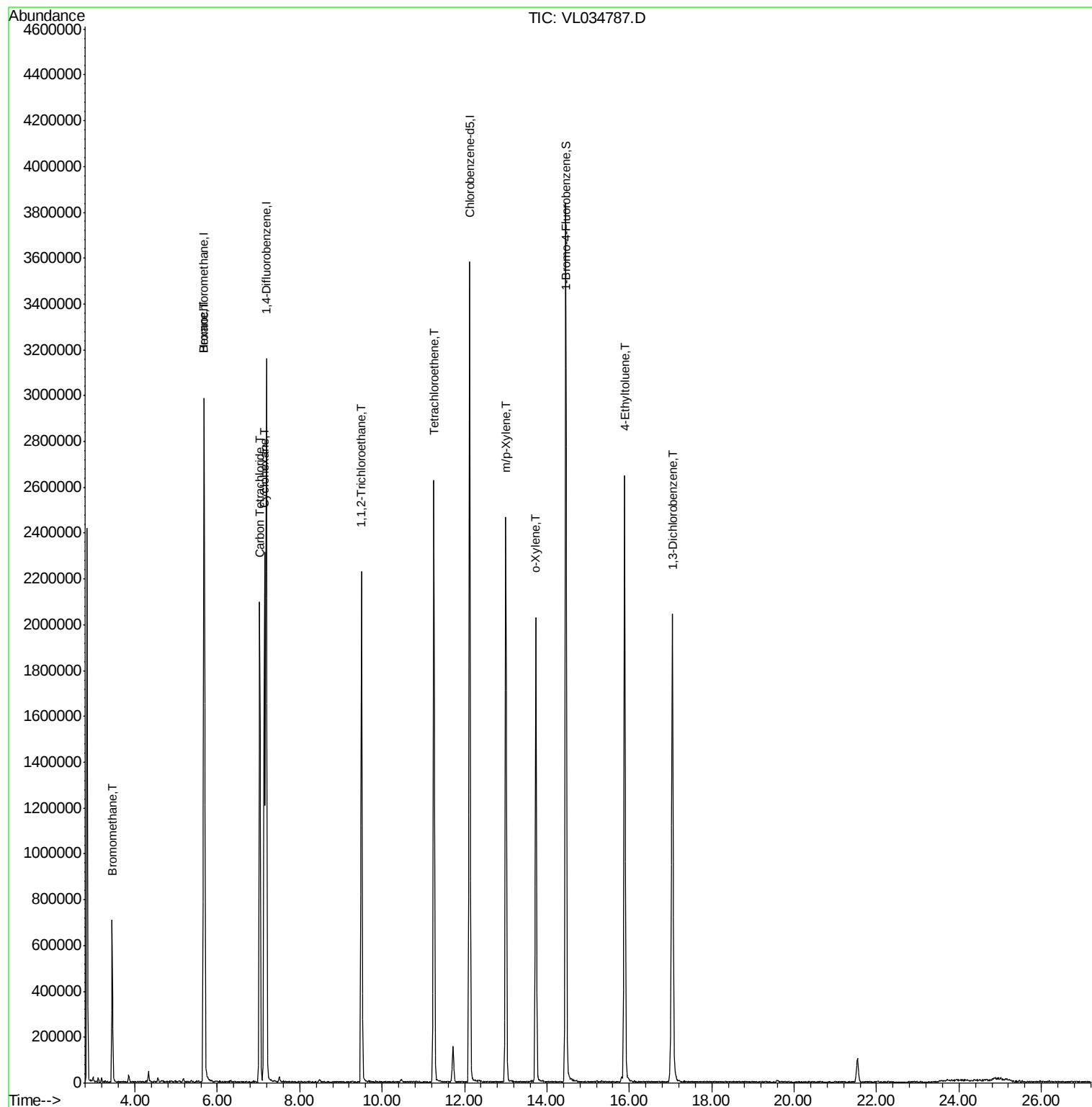
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030420\
Data File : VL034787.D
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Misc : 400ml/MSVOA L
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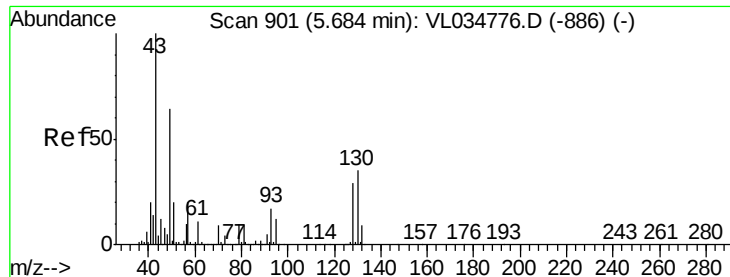
Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

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Quant Time: Mar 04 10:45:06 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: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL034787.D

Acq: 4 Mar 2020 10:12

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

Tot Ion: 49 Resp: 986553

Ion Ratio Lower Upper

49 100

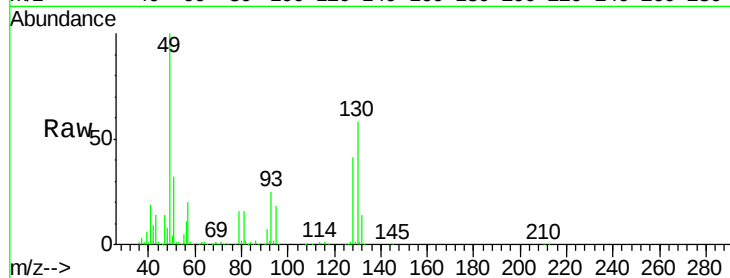
128 44.0 21.6 64.6

130 56.2 27.4 82.2

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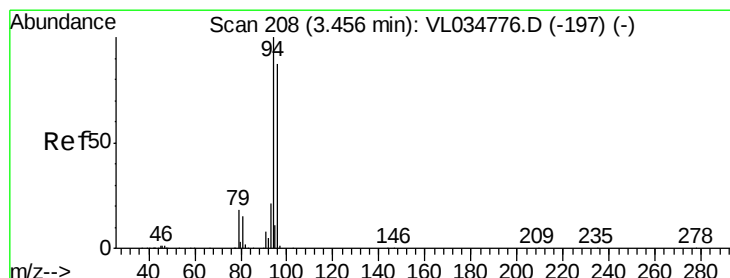
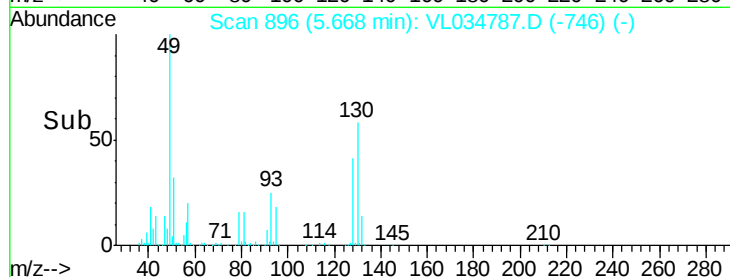
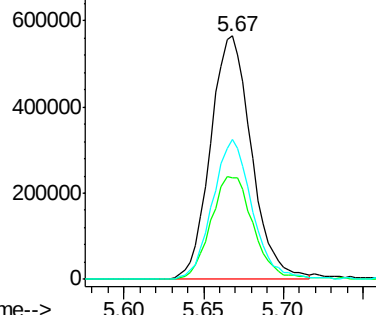
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#6

Bromomethane

Concen: 10.268 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL034787.D

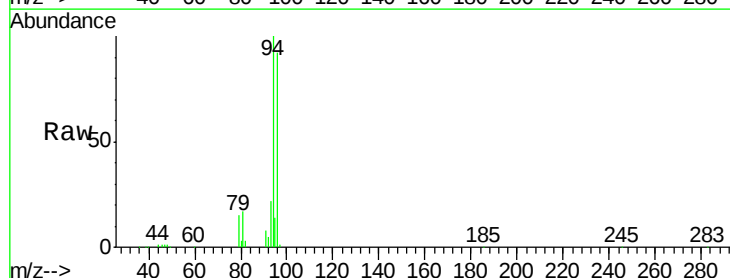
Acq: 4 Mar 2020 10:12

Tgt Ion: 94 Resp: 358411

Ion Ratio Lower Upper

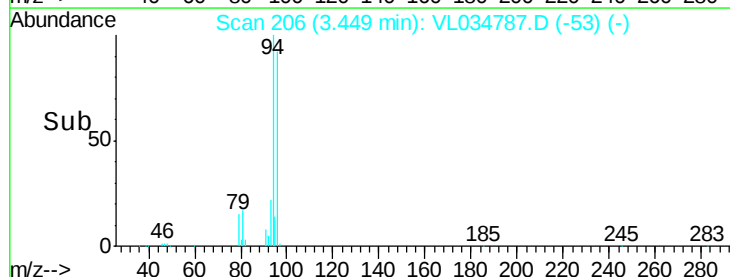
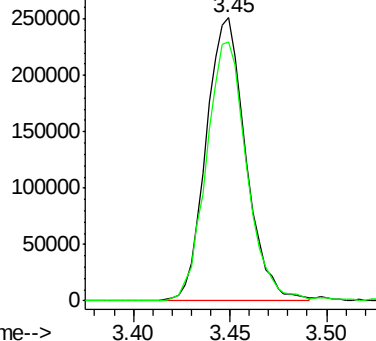
94 100

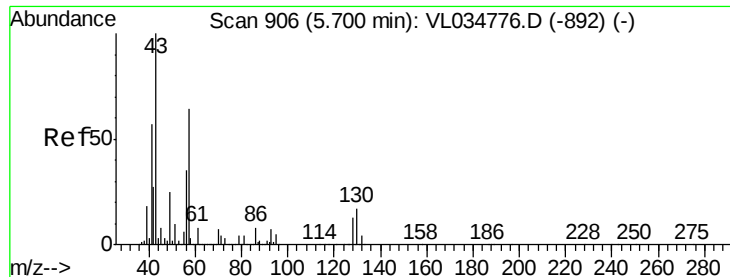
96 91.5 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





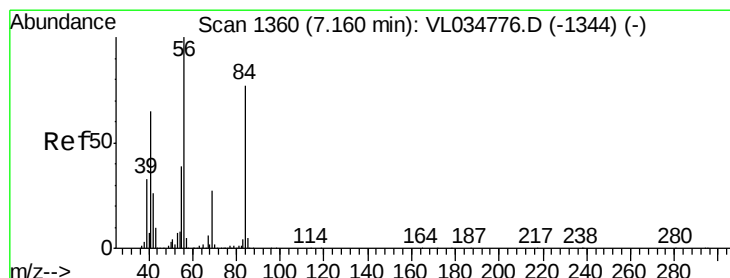
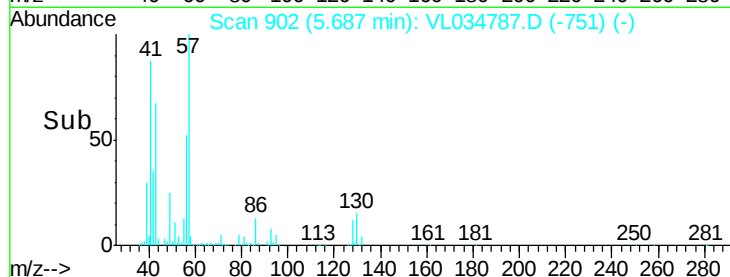
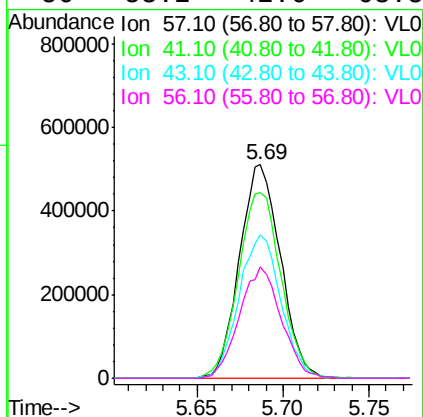
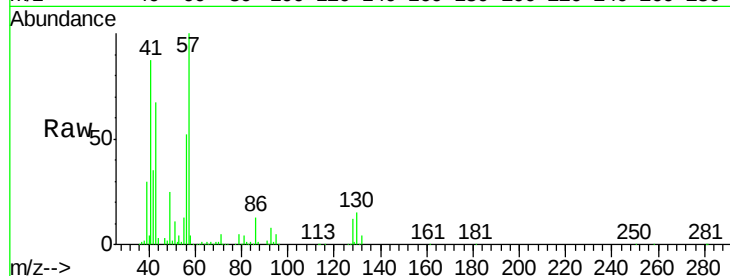
#26
Hexane
Concen: 9.465 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL034787.D
Acq: 4 Mar 2020 10:12

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tot Ion	57	Resp	844153
Ion Ratio	Lower	Upper	
57	100		
41	90.8	72.0	108.0
43	68.7	179.1	268.7#
56	53.2	42.6	63.8

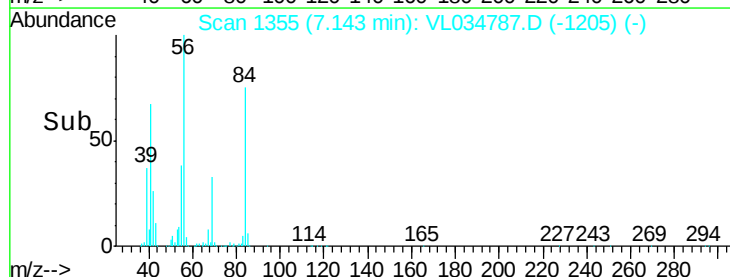
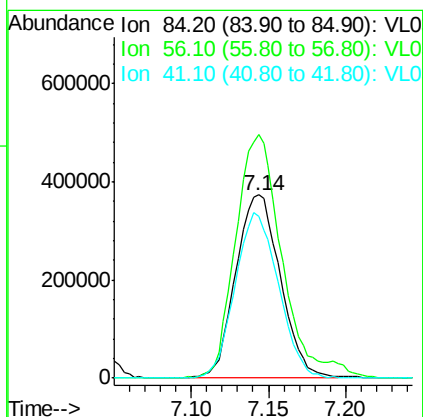
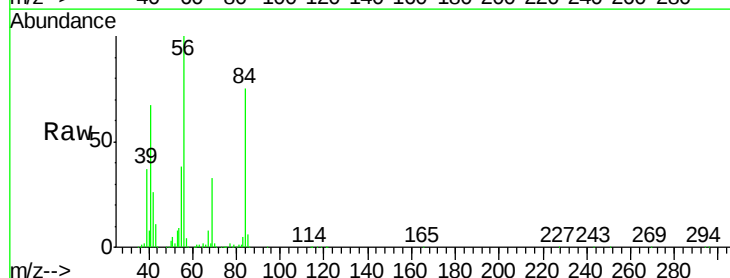
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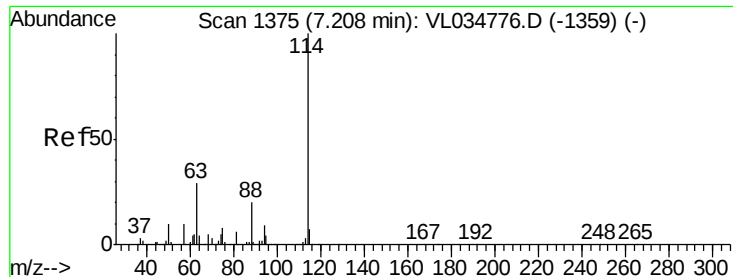
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#30
Cyclohexane
Concen: 10.962 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.02 min
Lab File: VL034787.D
Acq: 4 Mar 2020 10:12

Tgt Ion	84	Resp	747980
Ion Ratio	Lower	Upper	
84	100		
56	138.9	113.2	169.8
41	88.3	70.2	105.4





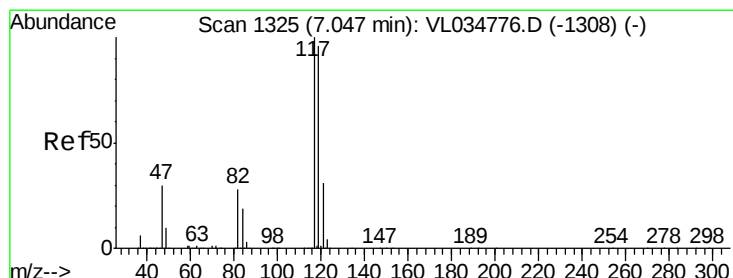
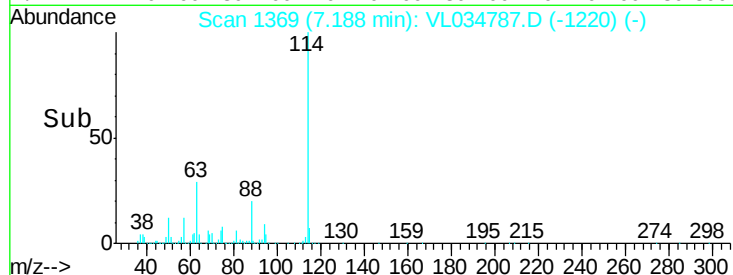
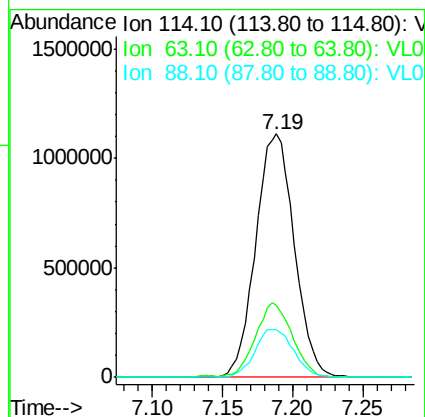
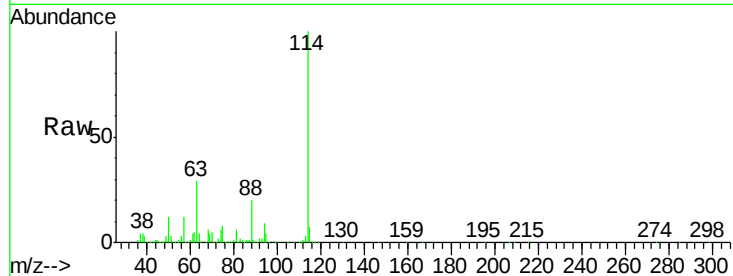
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: VL034787.D
 Acq: 4 Mar 2020 10:12

Instrument :
 MSVOA_L
 ClientSampleID :
 E051-1100DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.8	23.6	35.4
88	19.8	15.8	23.8

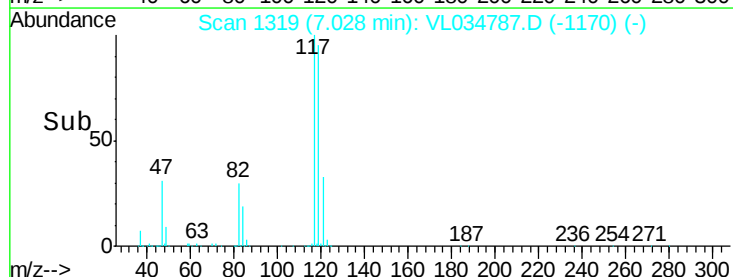
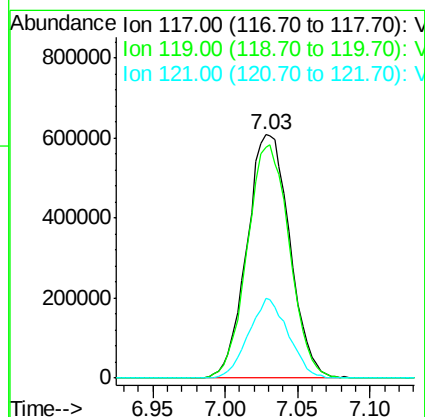
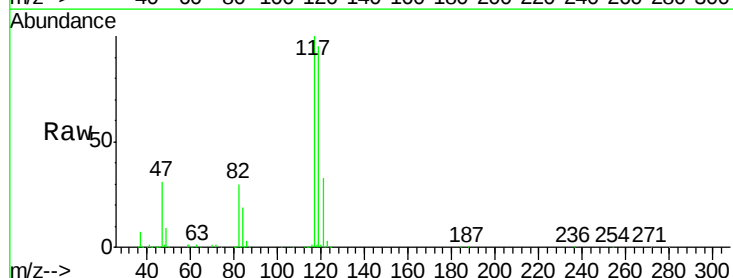
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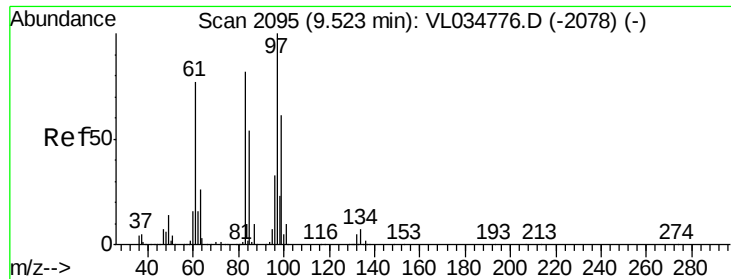
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#35
 Carbon Tetrachloride
 Concen: 7.807 ppbv
 RT: 7.03 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VL034787.D
 Acq: 4 Mar 2020 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.8	115.2
121	32.5	24.6	37.0





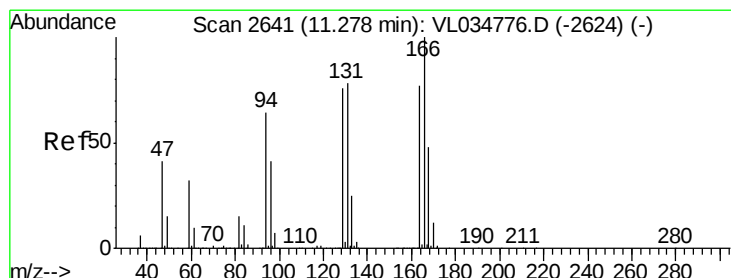
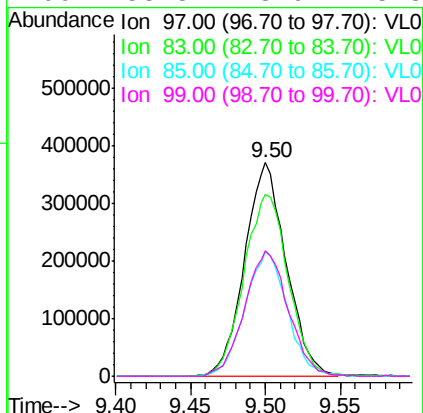
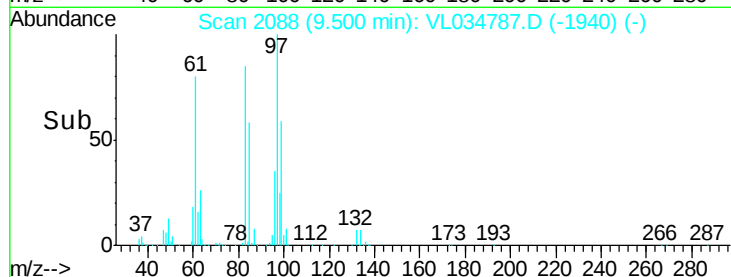
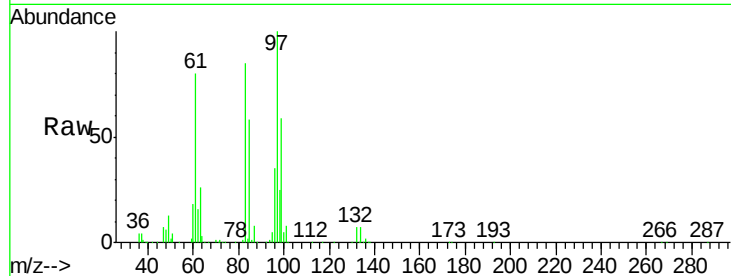
#47
 1,1,2-Trichloroethane
 Concen: 9.276 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: VL034787.D
 Acq: 4 Mar 2020 10:12

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100DL

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	65.2	97.8
85	58.0	43.6	65.4
99	58.8	48.9	73.3

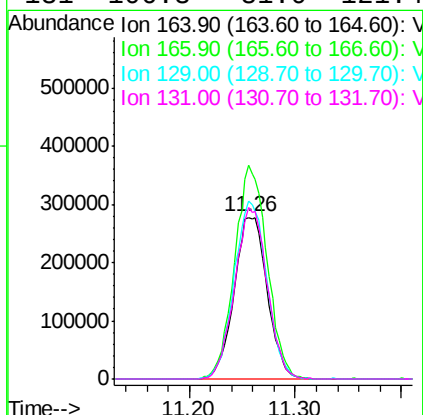
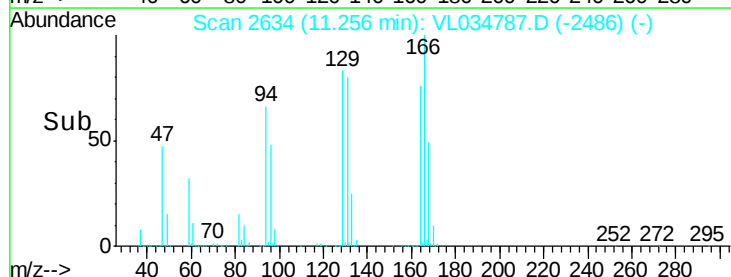
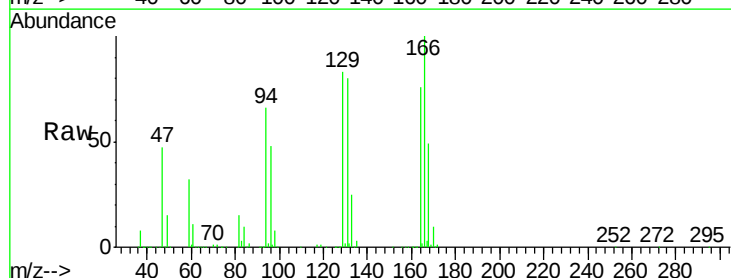
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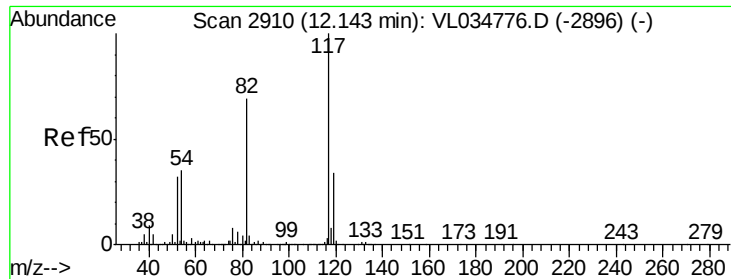
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#52
 Tetrachloroethene
 Concen: 8.995 ppbv m
 RT: 11.26 min Scan# 2634
 Delta R.T. -0.02 min
 Lab File: VL034787.D
 Acq: 4 Mar 2020 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	103.3	154.9
129	110.3	79.0	118.4
131	106.3	81.0	121.4





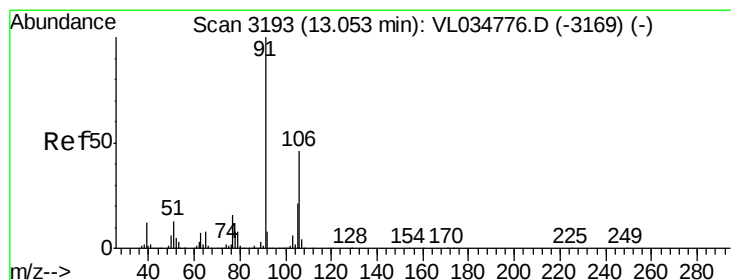
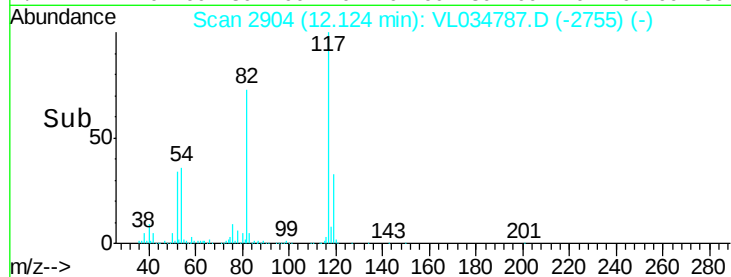
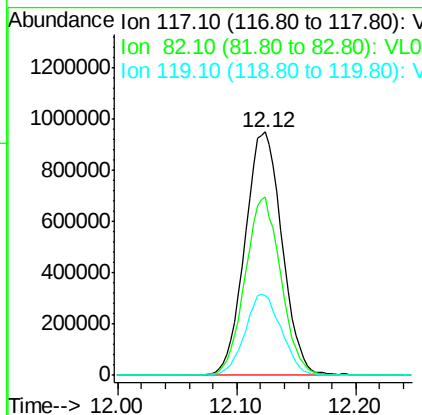
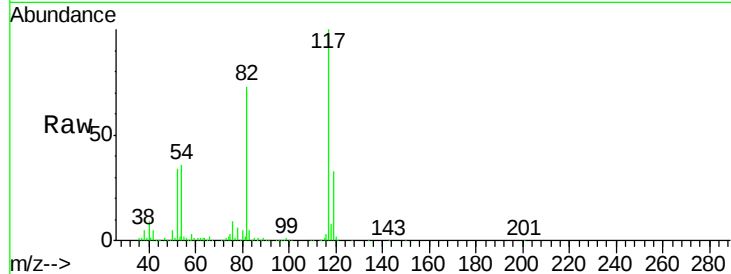
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL034787.D
Acq: 4 Mar 2020 10:12

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.9	80.9
119	32.9	25.0	37.4

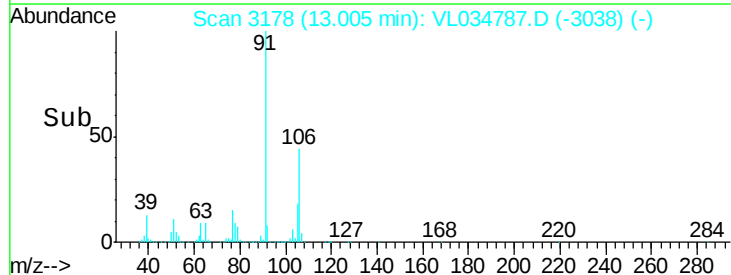
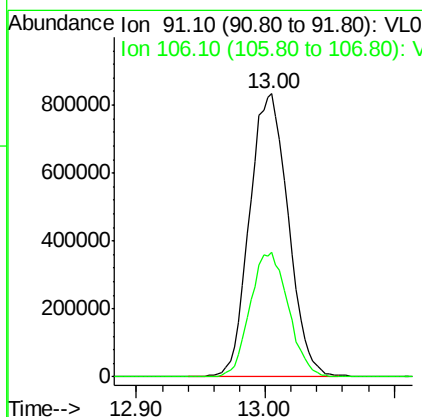
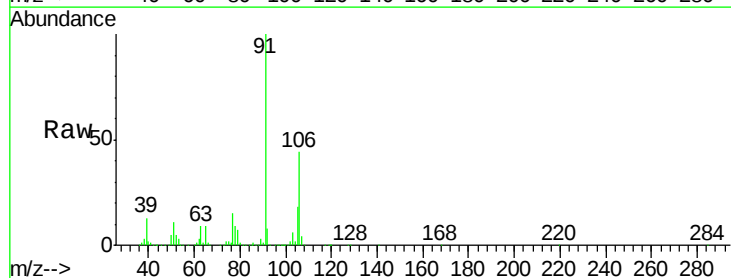
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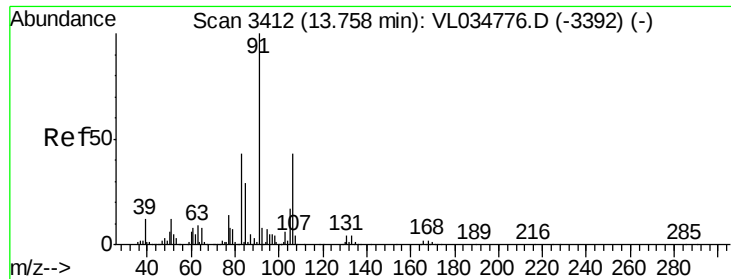
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#59
m/p-Xylene
Concen: 7.982 ppbv
RT: 13.00 min Scan# 3178
Delta R.T. -0.05 min
Lab File: VL034787.D
Acq: 4 Mar 2020 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.6	35.8	53.8





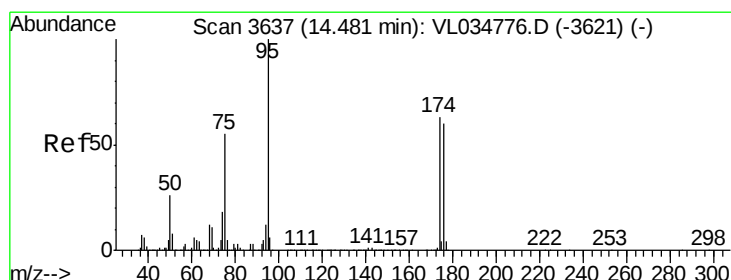
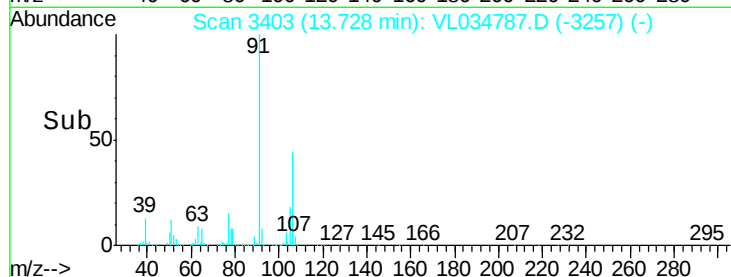
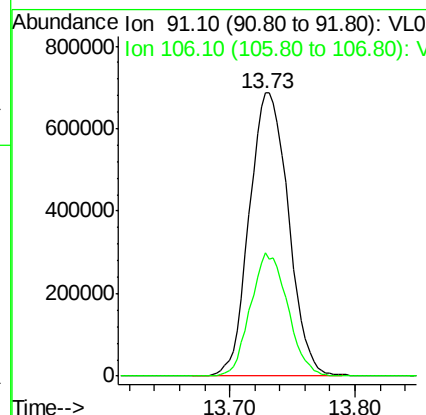
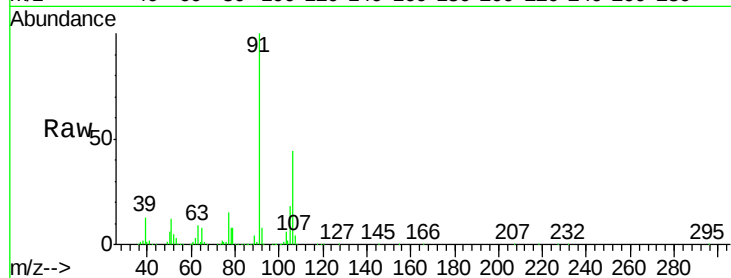
#60
o-Xylene
Concen: 6.745 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.03 min
Lab File: VL034787.D
Acq: 4 Mar 2020 10:12

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tot Ion: 91 Resp: 1488020
Ion Ratio Lower Upper
91 100
106 41.4 21.7 65.1

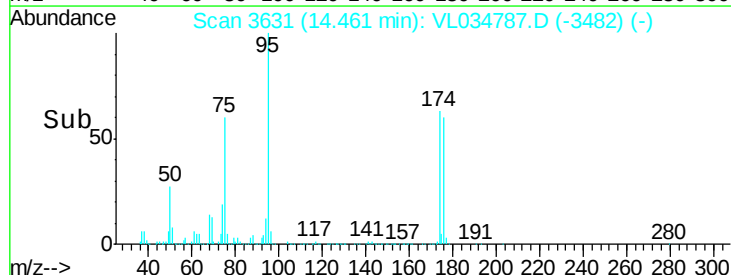
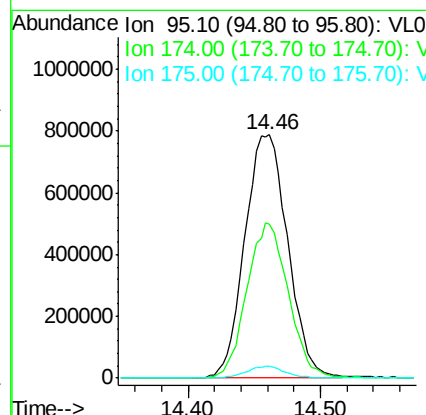
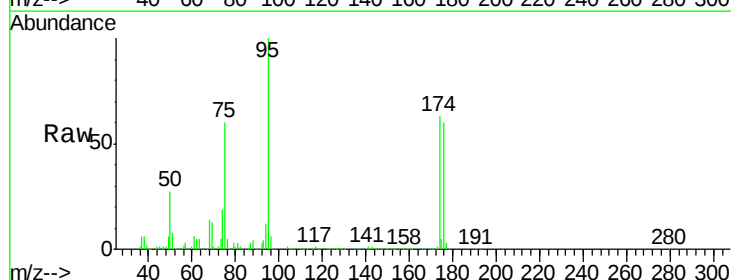
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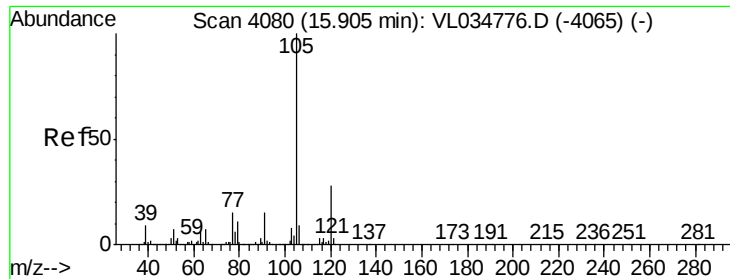
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL034787.D
Acq: 4 Mar 2020 10:12

Tgt Ion: 95 Resp: 1772047
Ion Ratio Lower Upper
95 100
174 62.1 50.6 76.0
175 4.6 3.8 5.6





#72

4-Ethyltoluene

Concen: 8.768 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.02 min

Lab File: VL034787.D

Acq: 4 Mar 2020 10:12

Instrument :

MSVOA_L

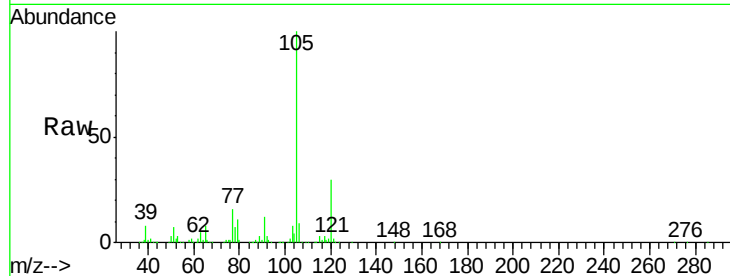
ClientSampleId :

E051-1100DL

Tot Ion:	105	Resp:	2153821
Ion Ratio	Lower	Upper	
105	100		
120	28.7	23.0	34.6
91	14.5	11.1	16.7
77	15.7	12.2	18.4

Manual Integrations
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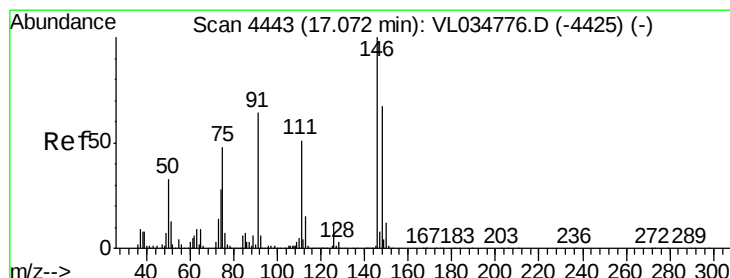
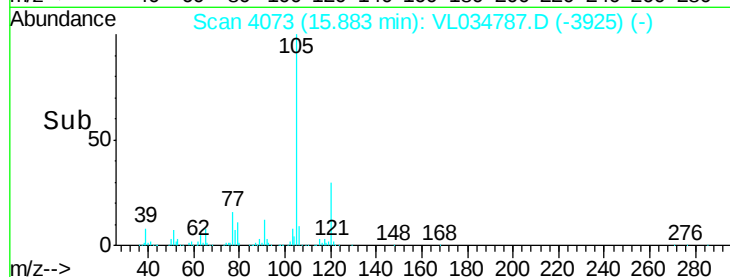
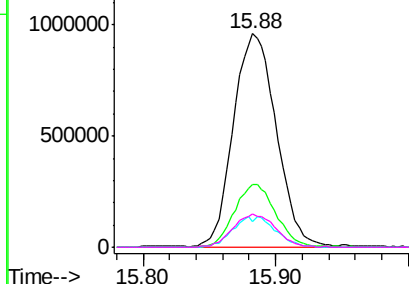


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 6.149 ppbv

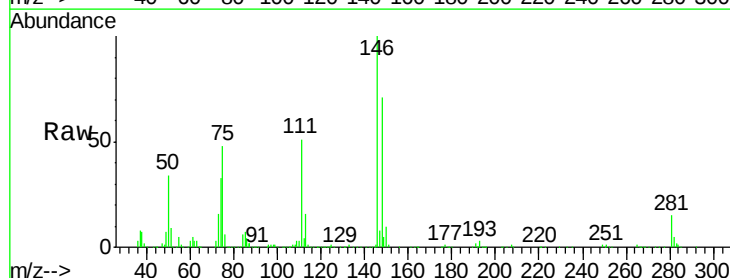
RT: 17.05 min Scan# 4435

Delta R.T. -0.03 min

Lab File: VL034787.D

Acq: 4 Mar 2020 10:12

Tgt Ion:	146	Resp:	932367
Ion Ratio	Lower	Upper	
146	100		
111	49.2	24.7	74.1
148	65.8	31.8	95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

