

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033034.D
 Acq On : 20 Dec 2018 20:41
 Operator : SY/AP
 Sample : J6444-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-03DL

Manual Integrations
 APPROVED

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 12/24/2018 8:26:24 AM

Quant Time: Dec 21 06:42:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1284028	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3040899	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2814727	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2159295	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	98906m	2.572	ppbv	
13) Ethanol	3.66	45	57958	4.378	ppbv	95
15) Acetone	3.91	43	107924	0.979	ppbv	98
20) Methylene Chloride	4.41	84	99568	1.848	ppbv	96
26) Hexane	5.79	57	39997	0.333	ppbv #	1
53) Toluene	9.95	91	2305568	9.719	ppbv	100

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

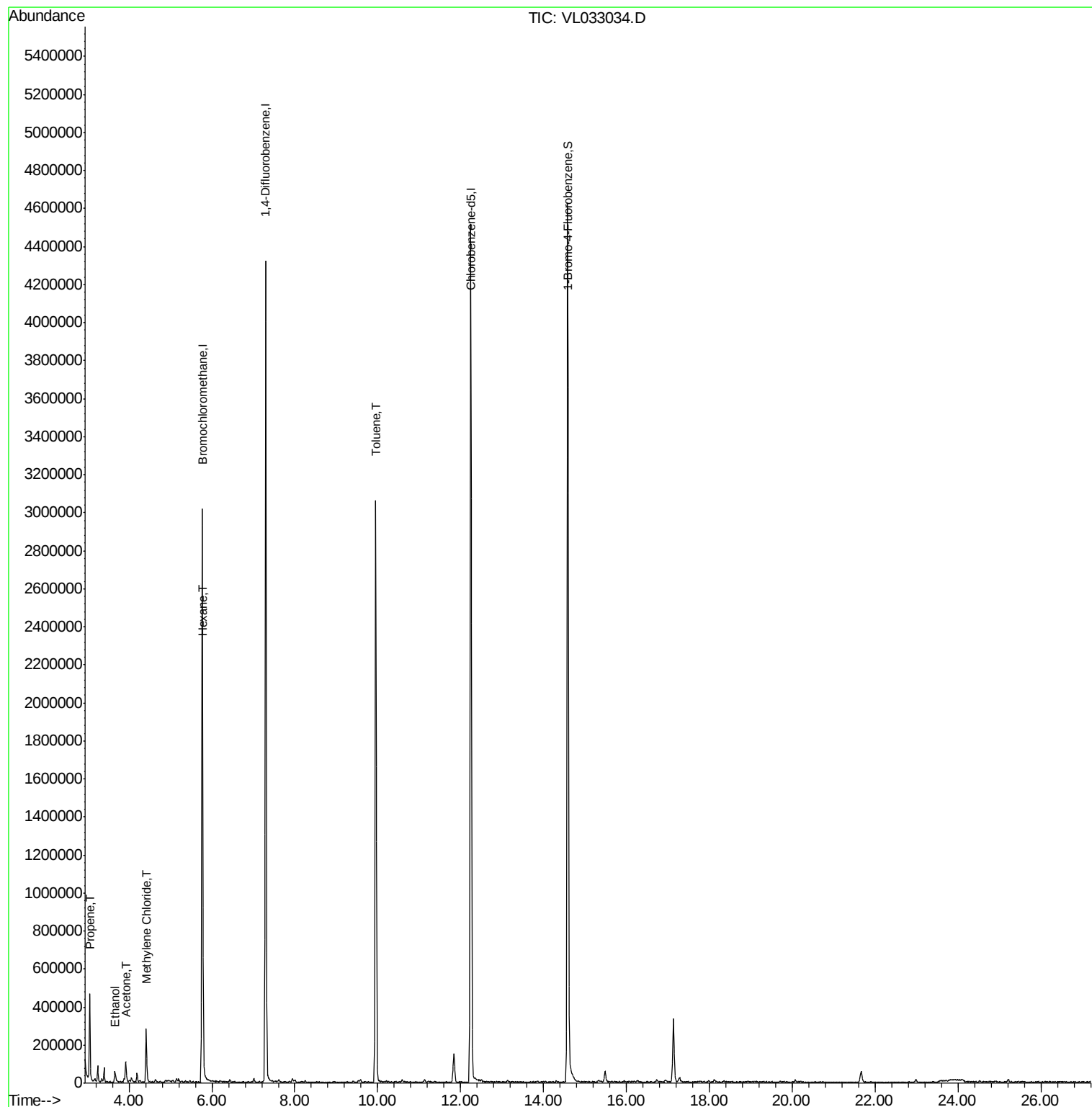
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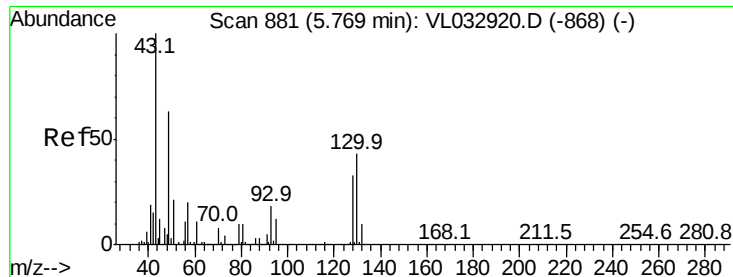
Instrument :
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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033034.D

Acq: 20 Dec 2018 20:41

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-03DL

Tot Ion: 49 Resp: 1284028

Ion Ratio Lower Upper

49 100

128 53.2 26.3 78.8

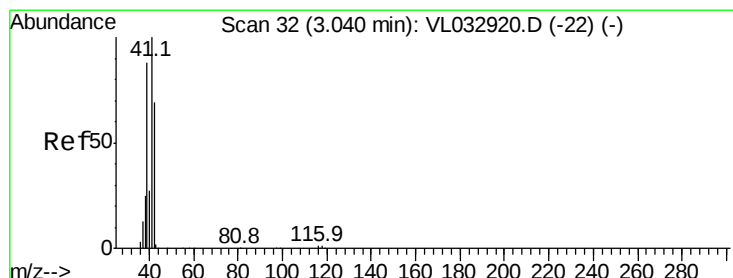
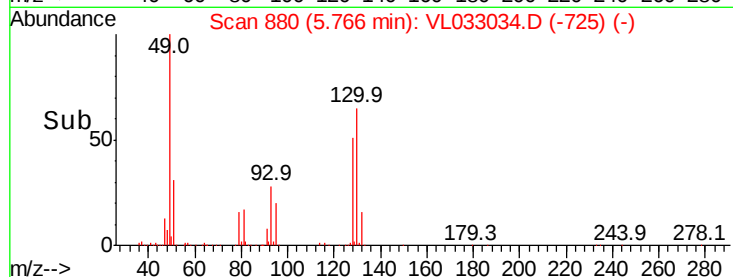
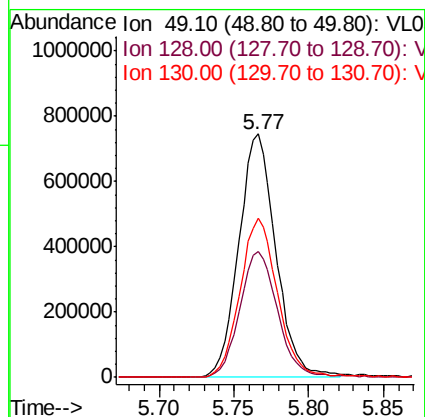
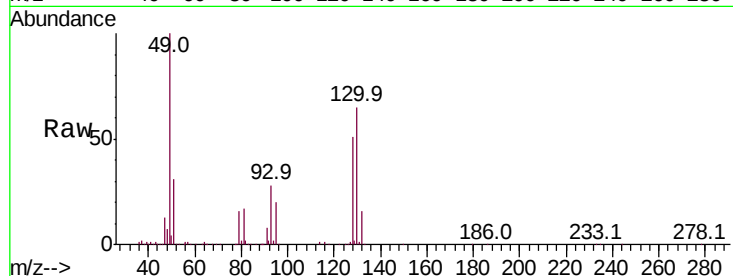
130 67.2 33.9 101.7

Manual Integrations

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#9

Propene

Concen: 2.572 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL033034.D

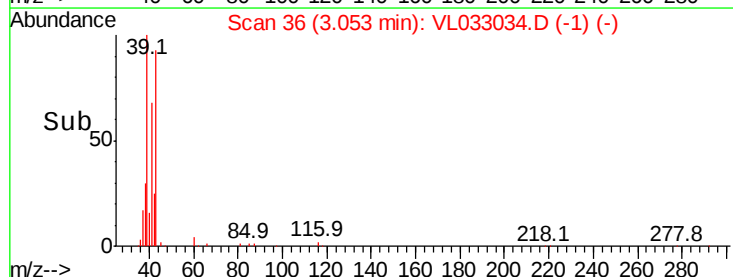
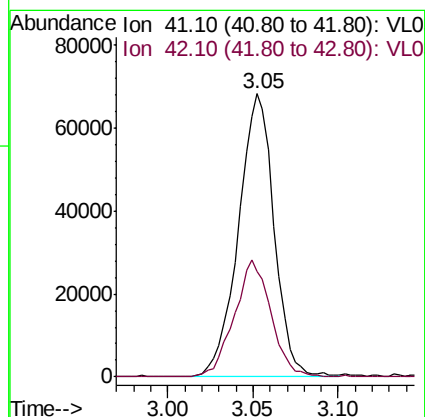
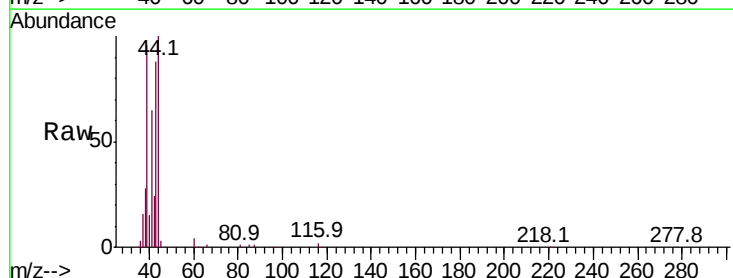
Acq: 20 Dec 2018 20:41

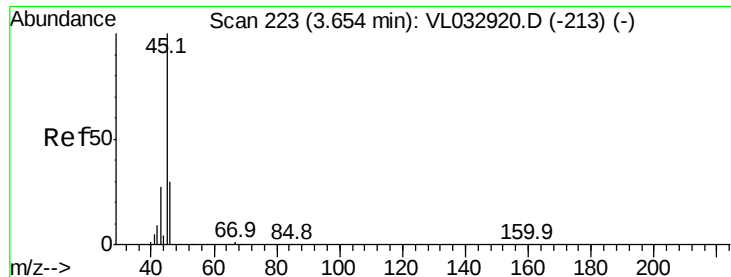
Tgt Ion: 41 Resp: 98906

Ion Ratio Lower Upper

41 100

42 16.2 56.2 84.2#





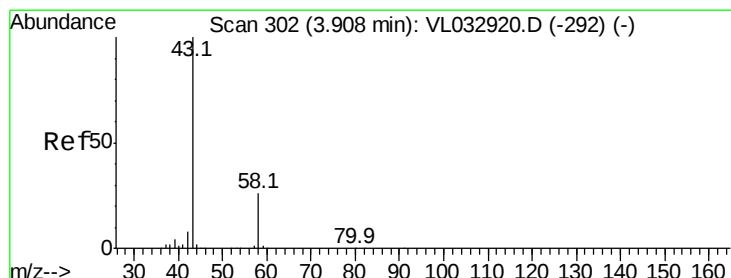
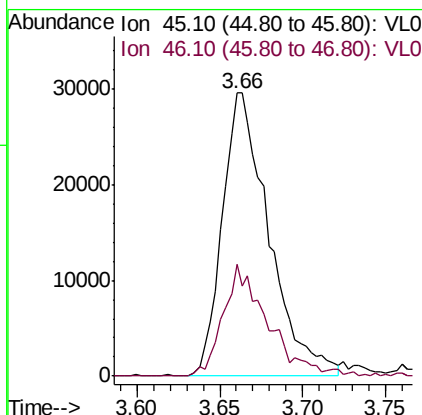
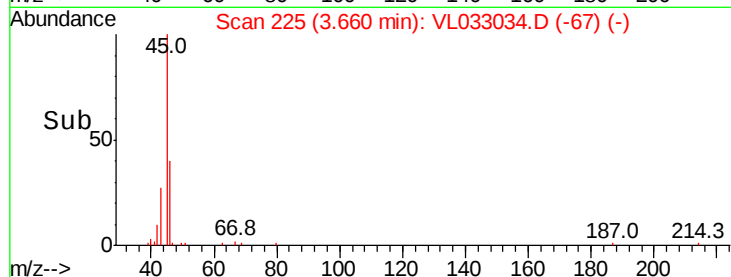
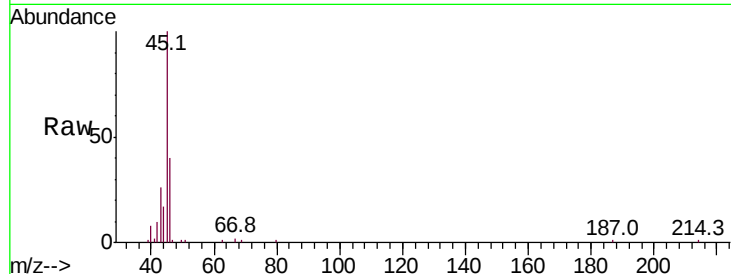
#13
Ethanol
Concen: 4.378 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033034.D
Acq: 20 Dec 2018 20:41

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03DL

Tot Ion: 45 Resp: 57958
Ion Ratio Lower Upper
45 100
46 37.8 13.8 55.4

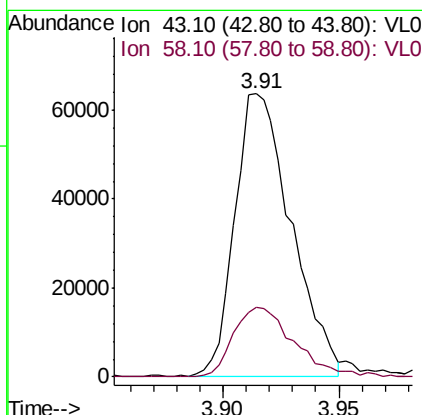
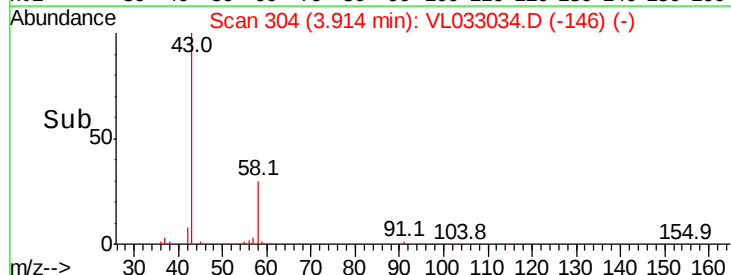
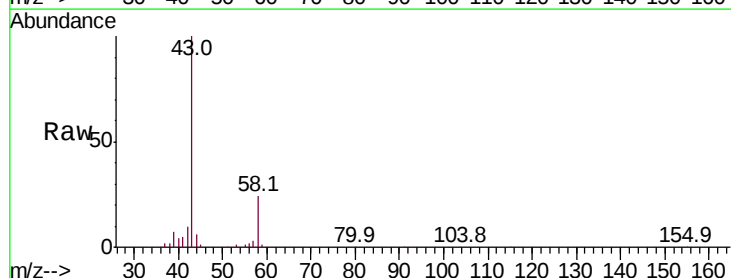
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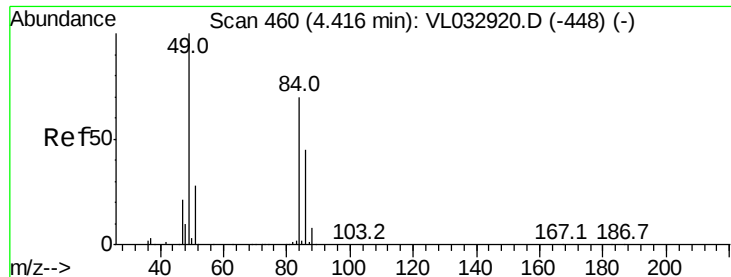
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#15
Acetone
Concen: 0.979 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL033034.D
Acq: 20 Dec 2018 20:41

Tgt Ion: 43 Resp: 107924
Ion Ratio Lower Upper
43 100
58 26.7 20.6 30.8





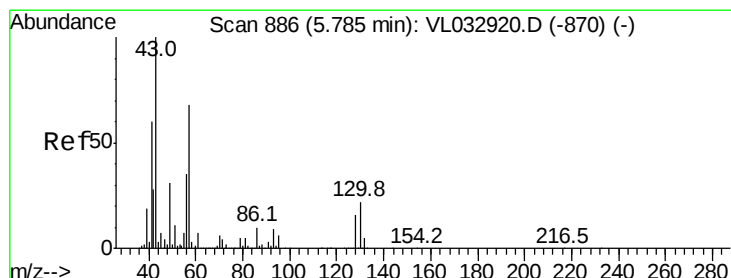
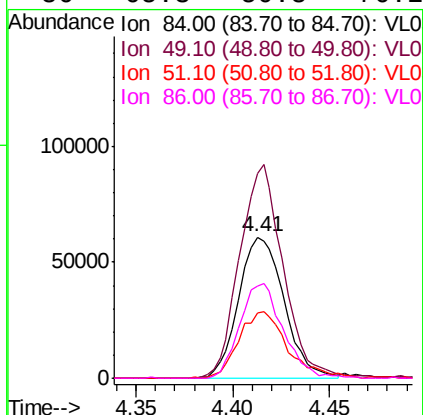
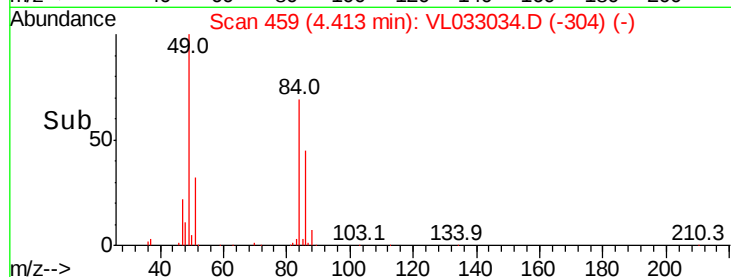
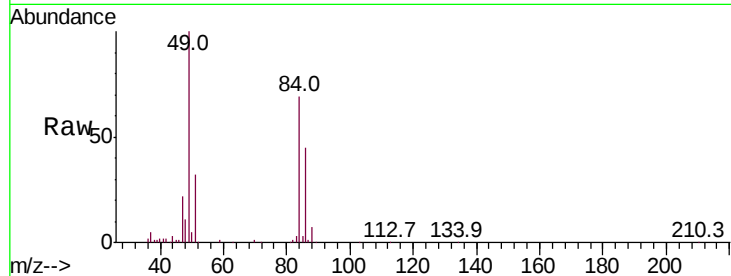
#20
Methvlene Chloride
Concen: 1.848 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033034.D
Acq: 20 Dec 2018 20:41

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03DL

Tot Ion	84	Resp	99568
Ion	Ratio	Lower	Upper
84	100		
49	145.0	113.8	170.8
51	46.2	31.8	47.8
86	65.3	50.8	76.2

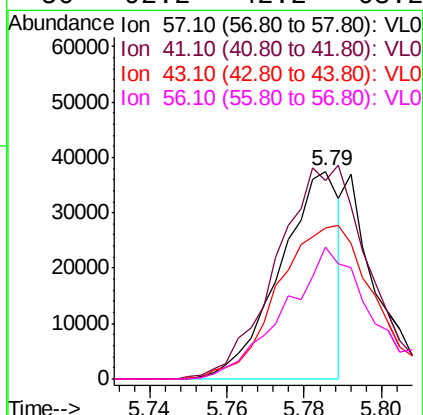
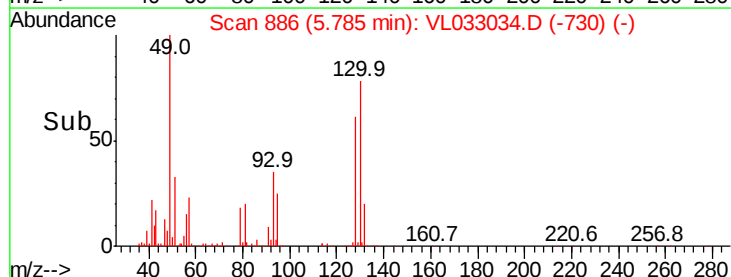
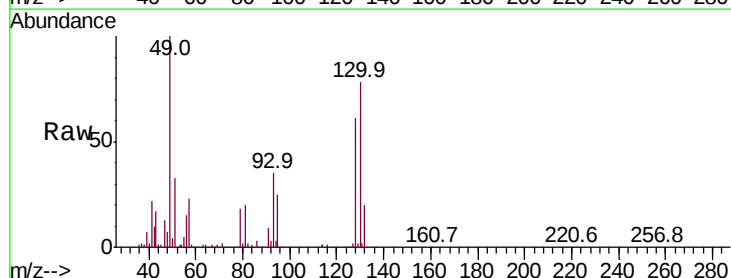
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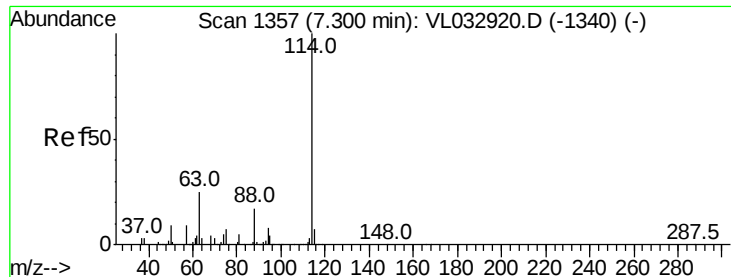
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#26
Hexane
Concen: 0.333 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033034.D
Acq: 20 Dec 2018 20:41

Tgt Ion	57	Resp	39997
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.2	108.2#
43	0.0	171.9	257.9#
56	92.2	42.2	63.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033034.D

Acq: 20 Dec 2018 20:41

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-03DL

Tot Ion:114 Resp: 3040899

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

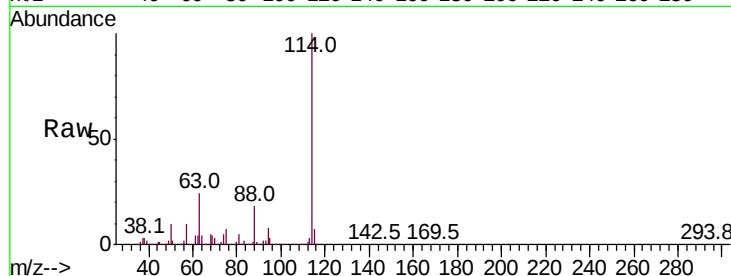
88 17.7 14.2 21.4

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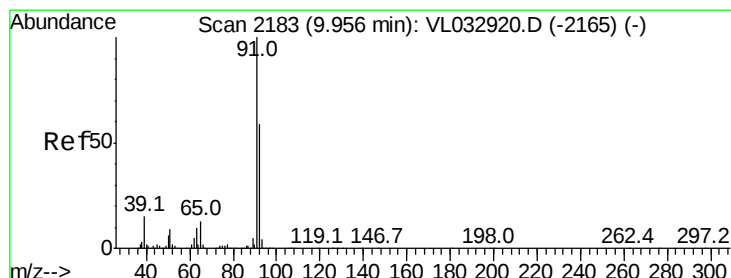
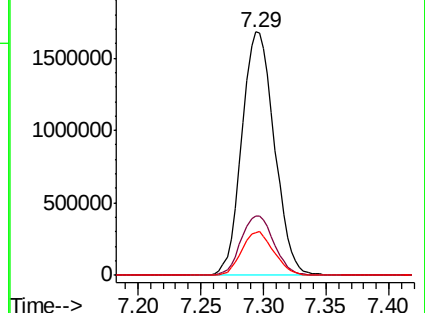
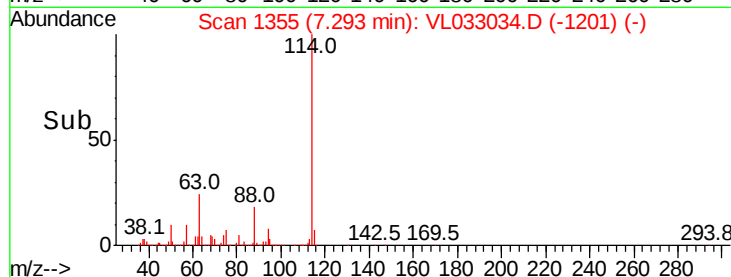
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 9.719 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL033034.D

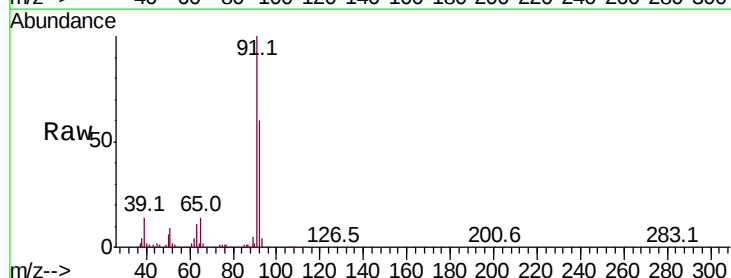
Acq: 20 Dec 2018 20:41

Tgt Ion: 91 Resp: 2305568

Ion Ratio Lower Upper

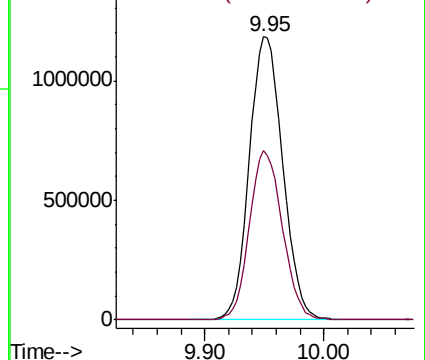
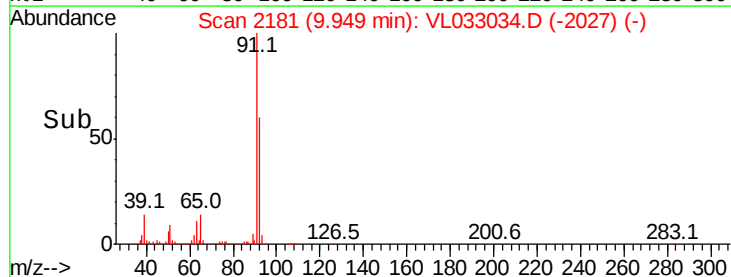
91 100

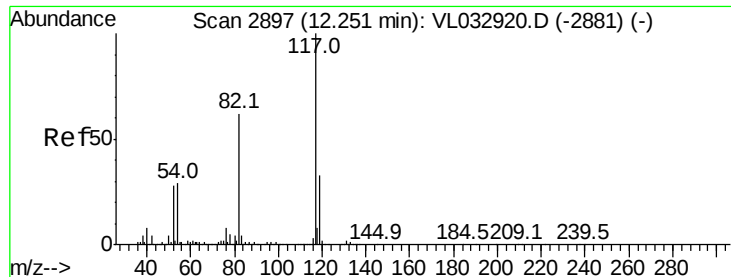
92 58.9 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





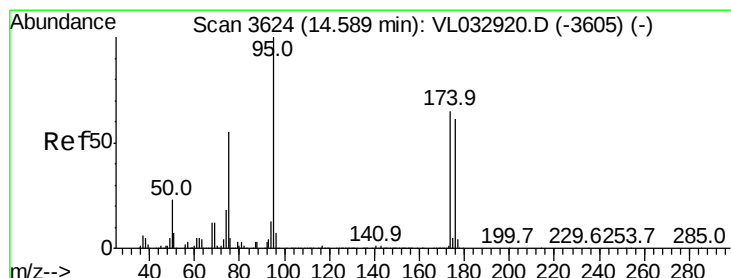
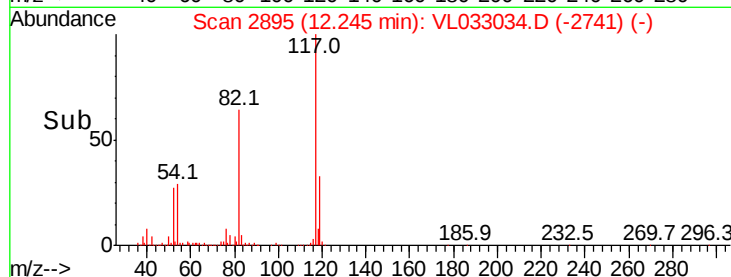
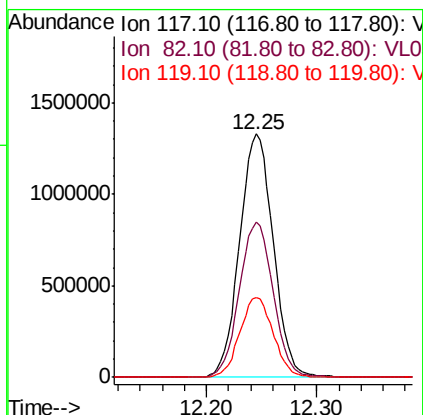
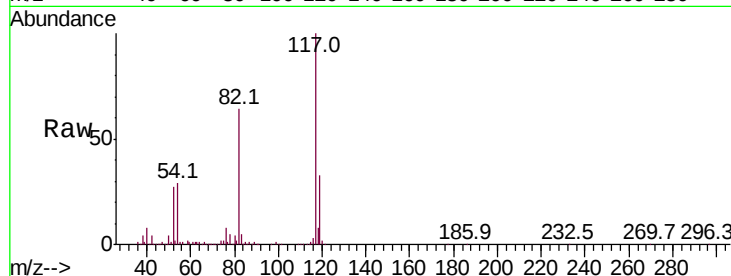
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL033034.D
Acq: 20 Dec 2018 20:41

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	47.8	71.8
119	32.7	43.1	64.7

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.384 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033034.D
Acq: 20 Dec 2018 20:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.3	51.4	77.0
175	4.9	3.8	5.6

