

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035986.D
 Acq On : 18 Nov 2020 23:23
 Operator : SY/AP
 Sample : L4781-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

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Quant Time: Nov 19 09:21:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1069211	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3733179	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3585325	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2601461	10.21	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	8244m	0.176	ppbv	
13) Ethanol	3.58	45	36738m	3.613	ppbv	
15) Acetone	3.83	43	58420	0.511	ppbv #	68
20) Methylene Chloride	4.31	84	64233	0.798	ppbv	93
26) Hexane	5.65	57	32671	0.263	ppbv #	42
53) Toluene	9.76	91	61371	0.183	ppbv	94

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

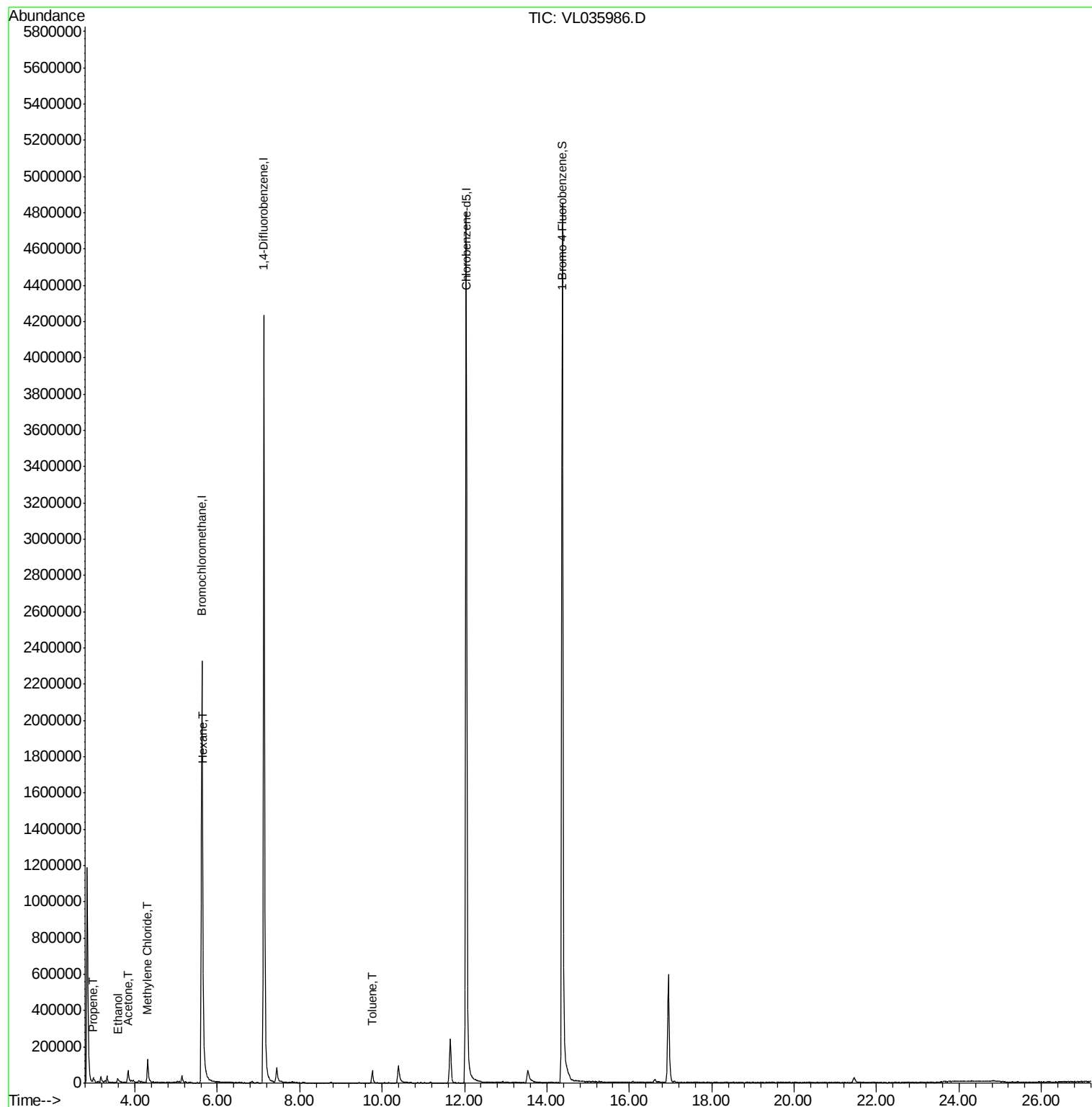
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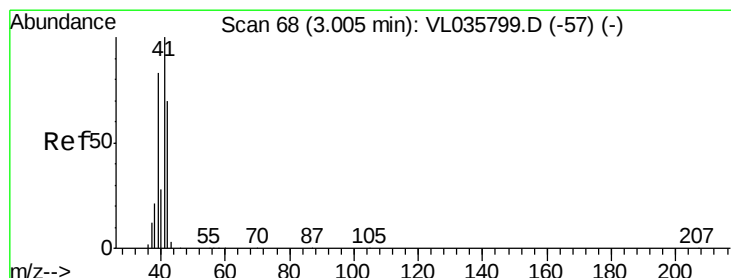
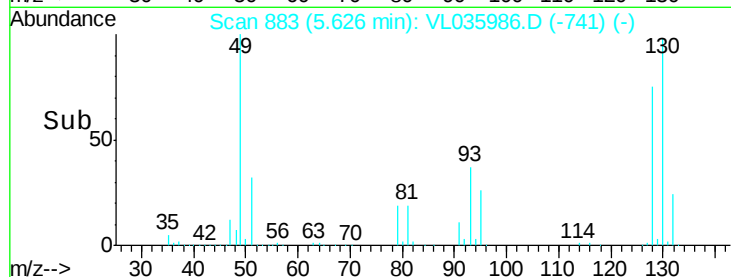
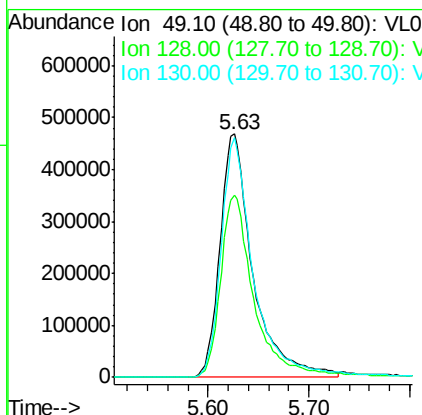
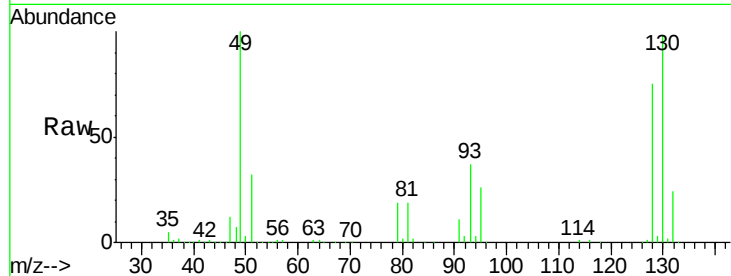
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.63 min Scan# 883
 Delta R.T. -0.04 min
 Lab File: VL035986.D
 Acq: 18 Nov 2020 23:23

Instrument :
 MSVOA_L
 ClientSampled :
 OA1DL

Tot Ion: 49 Resp: 1069211
 Ion Ratio Lower Upper
 49 100
 128 77.5 41.5 124.6
 130 99.1 53.7 161.1

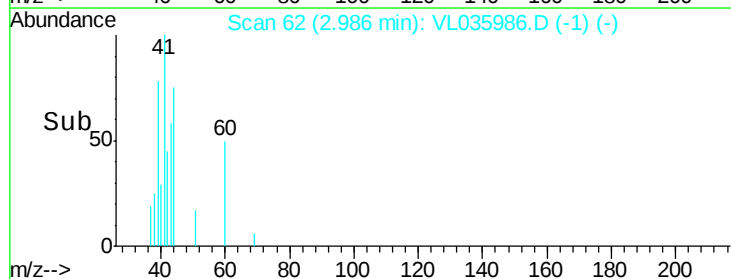
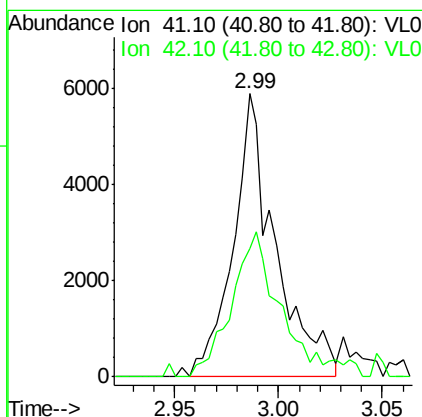
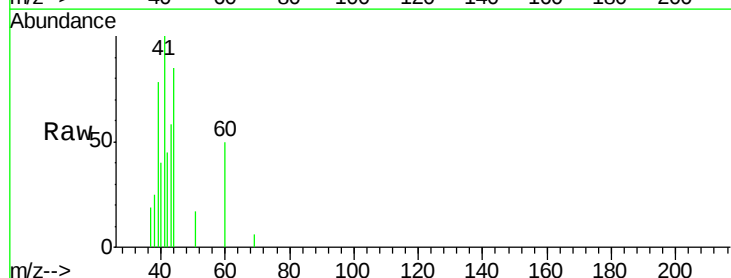
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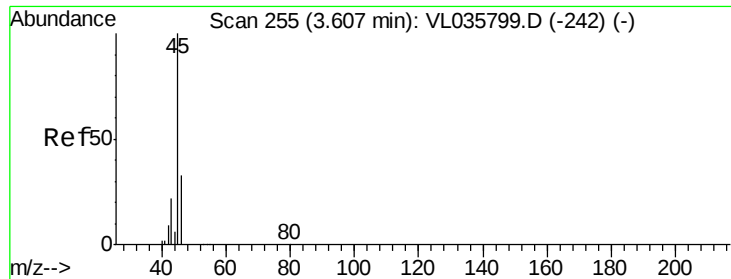
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#9
 Propene
 Concen: 0.176 ppbv m
 RT: 2.99 min Scan# 62
 Delta R.T. -0.02 min
 Lab File: VL035986.D
 Acq: 18 Nov 2020 23:23

Tgt Ion: 41 Resp: 8244
 Ion Ratio Lower Upper
 41 100
 42 110.0 56.2 84.4#





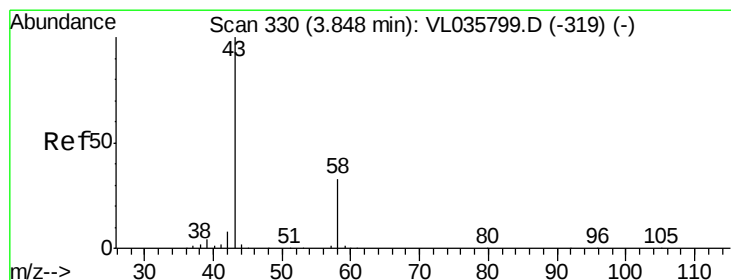
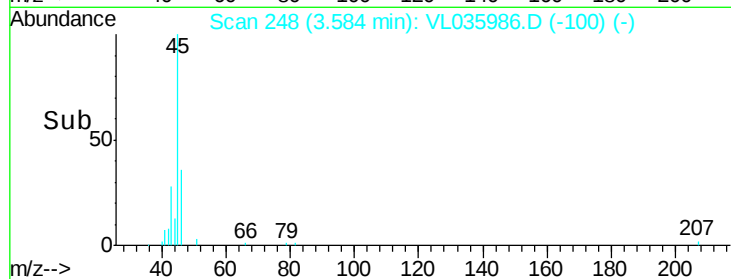
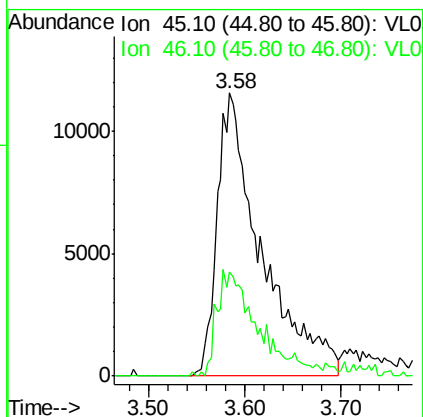
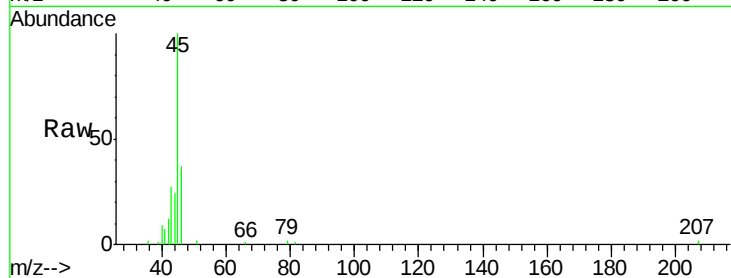
#13
Ethanol
Concen: 3.613 ppbv m
RT: 3.58 min Scan# 248
Delta R.T. -0.02 min
Lab File: VL035986.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_L
ClientSampled :
QA1DL

Tot Ion: 45 Resp: 36738
Ion Ratio Lower Upper
45 100
46 36.5 16.1 64.5

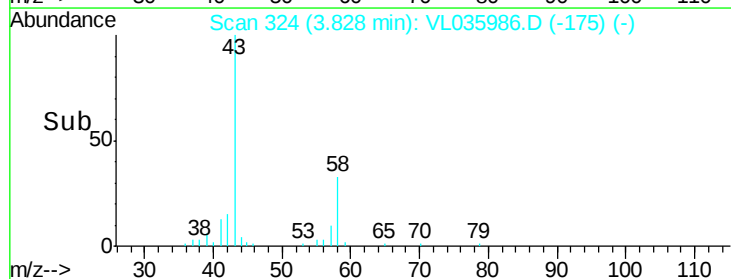
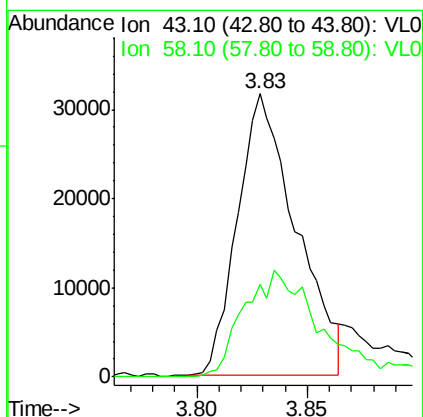
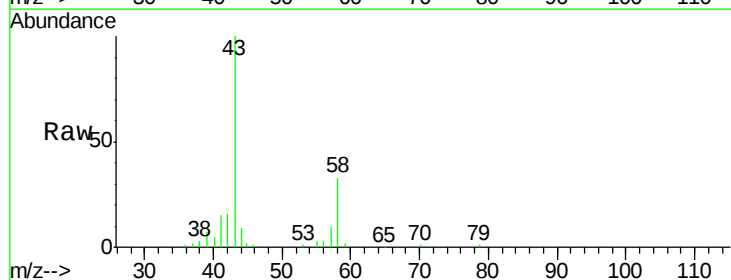
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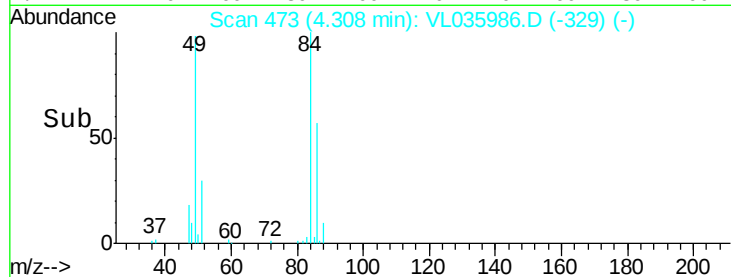
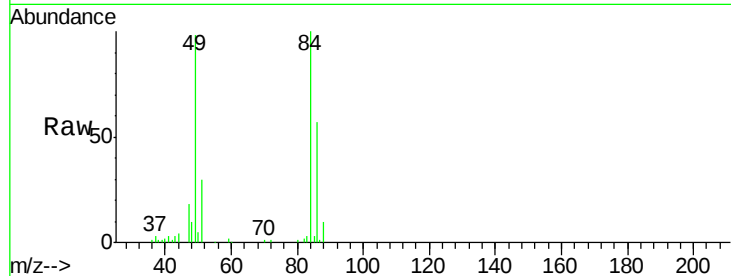
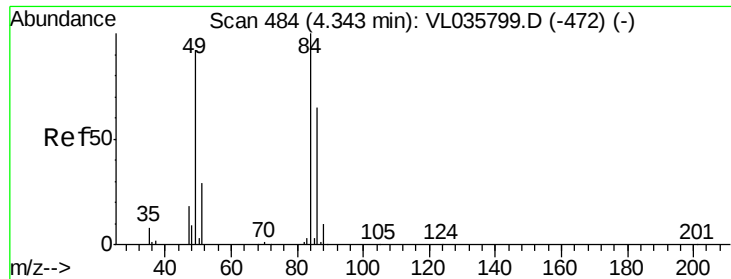
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#15
Acetone
Concen: 0.511 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL035986.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 43 Resp: 58420
Ion Ratio Lower Upper
43 100
58 52.8 27.5 41.3#





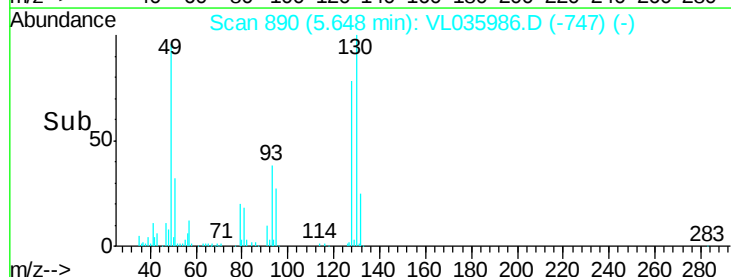
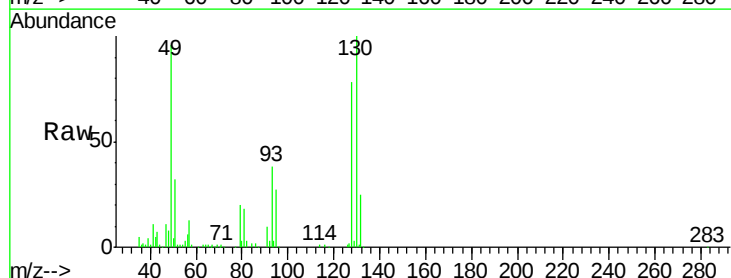
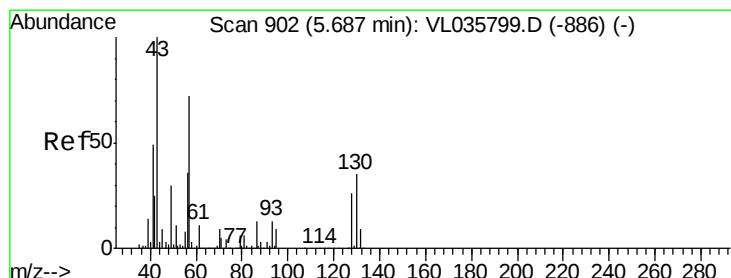
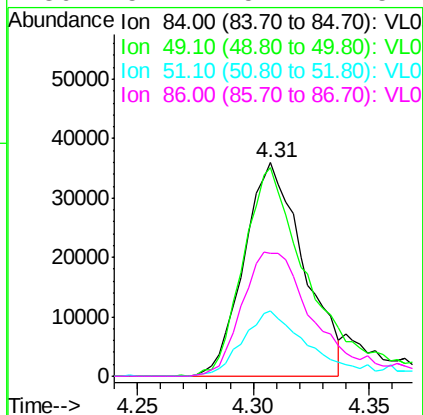
#20
Methvlene Chloride
Concen: 0.798 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.04 min
Lab File: VL035986.D
Acq: 18 Nov 2020 23:23

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	97.8	73.8	110.8	
51	30.4	23.0	34.4	
86	57.4	52.1	78.1	

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

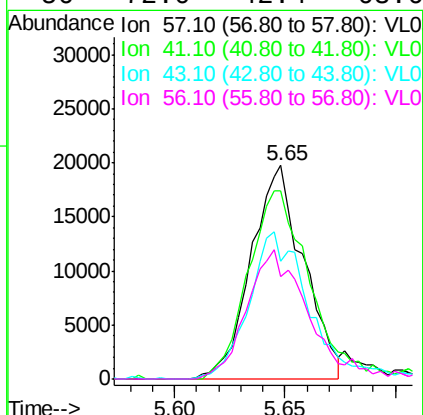
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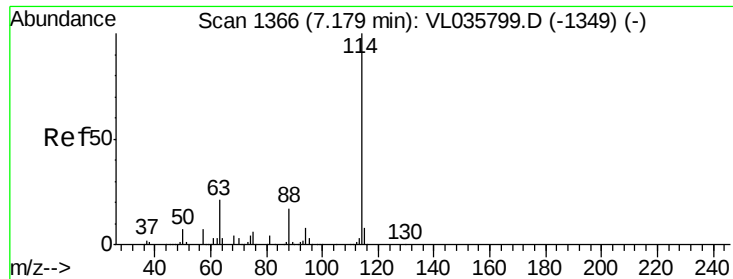
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#26
Hexane
Concen: 0.263 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL035986.D
Acq: 18 Nov 2020 23:23

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	105.5	58.9	88.3#	
43	77.8	150.2	225.2#	
56	72.0	42.4	63.6#	





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.13 min Scan# 1351
 Delta R.T. -0.05 min
 Lab File: VL035986.D
 Acq: 18 Nov 2020 23:23

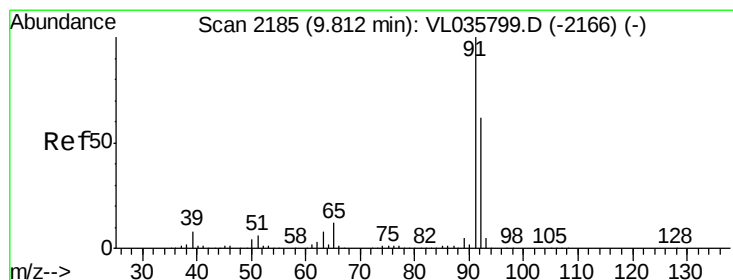
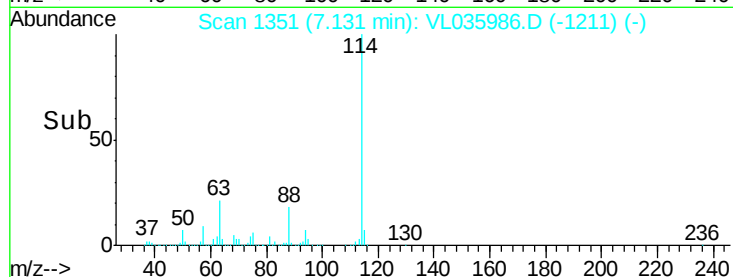
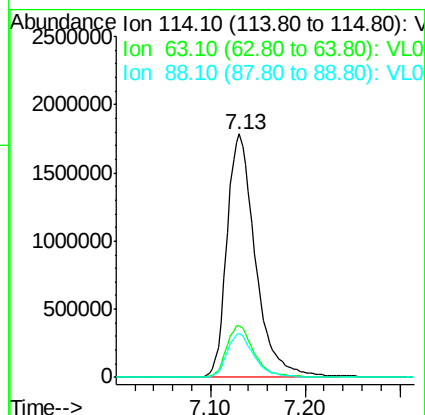
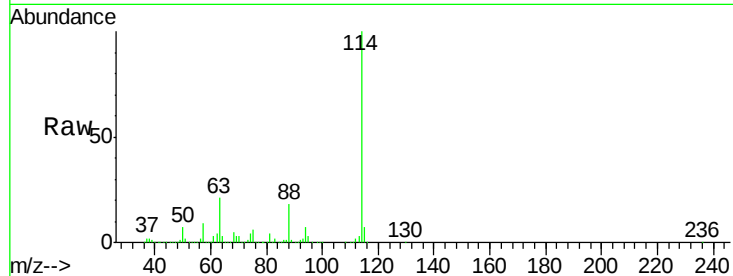
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion:114 Resp: 3733179

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.1	24.1
88	17.5	13.7	20.5

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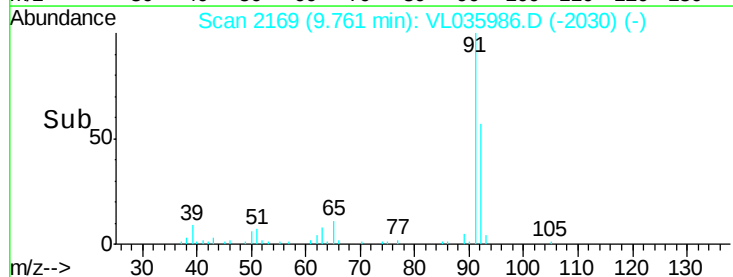
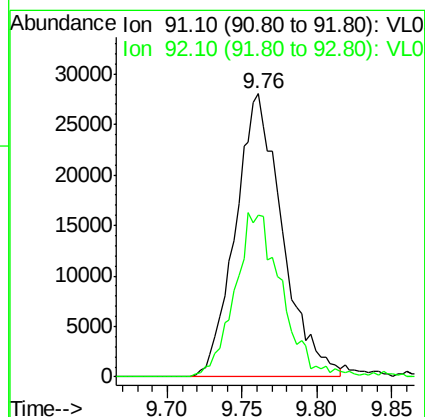
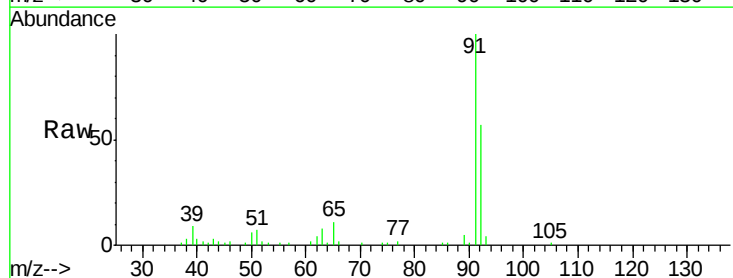
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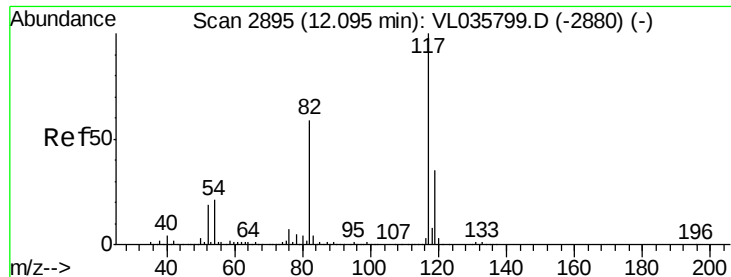


#53
 Toluene
 Concen: 0.183 ppbv
 RT: 9.76 min Scan# 2169
 Delta R.T. -0.05 min
 Lab File: VL035986.D
 Acq: 18 Nov 2020 23:23

Tgt Ion: 91 Resp: 61371

Ion	Ratio	Lower	Upper
91	100		
92	57.6	49.8	74.6





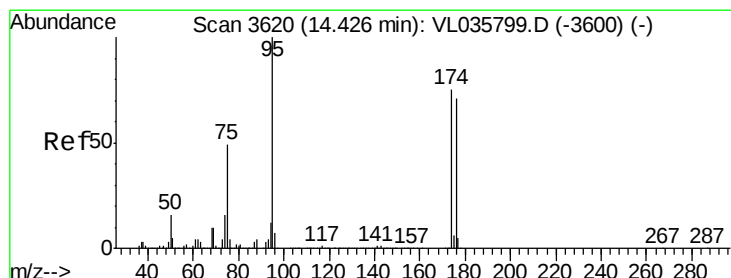
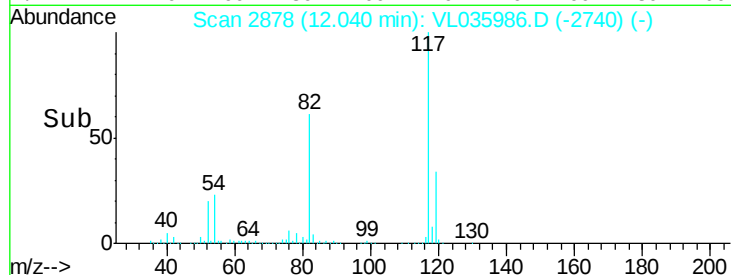
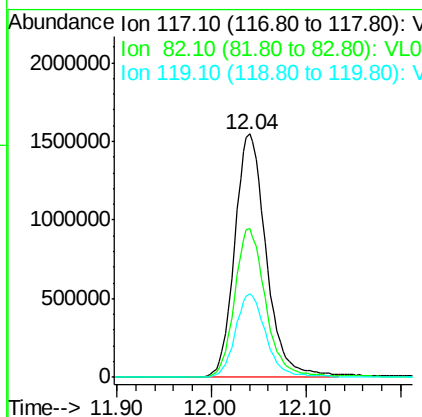
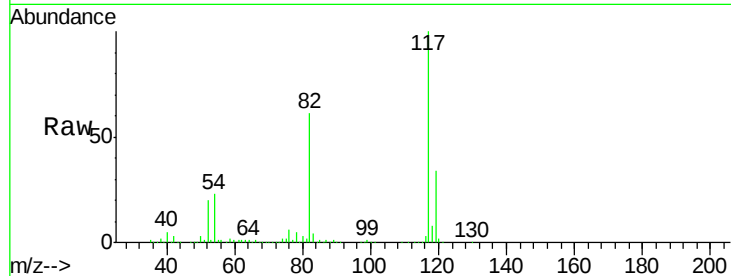
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2878
Delta R.T. -0.05 min
Lab File: VL035986.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion:117 Resp: 3585325
Ion Ratio Lower Upper
117 100
82 61.3 50.6 76.0
119 33.9 52.6 78.8#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.213 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.05 min
Lab File: VL035986.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 95 Resp: 2601461
Ion Ratio Lower Upper
95 100
174 70.9 59.8 89.6
175 5.1 4.3 6.5

