

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
 Data File : VL032990.D
 Acq On : 13 Dec 2018 19:35
 Operator : SY/AP
 Sample : J6382-01DL 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 P00131-SG001-181212-01DL

Quant Time: Dec 14 01:09:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 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	5.76	49	1164329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3093984	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2874266	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2161791	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

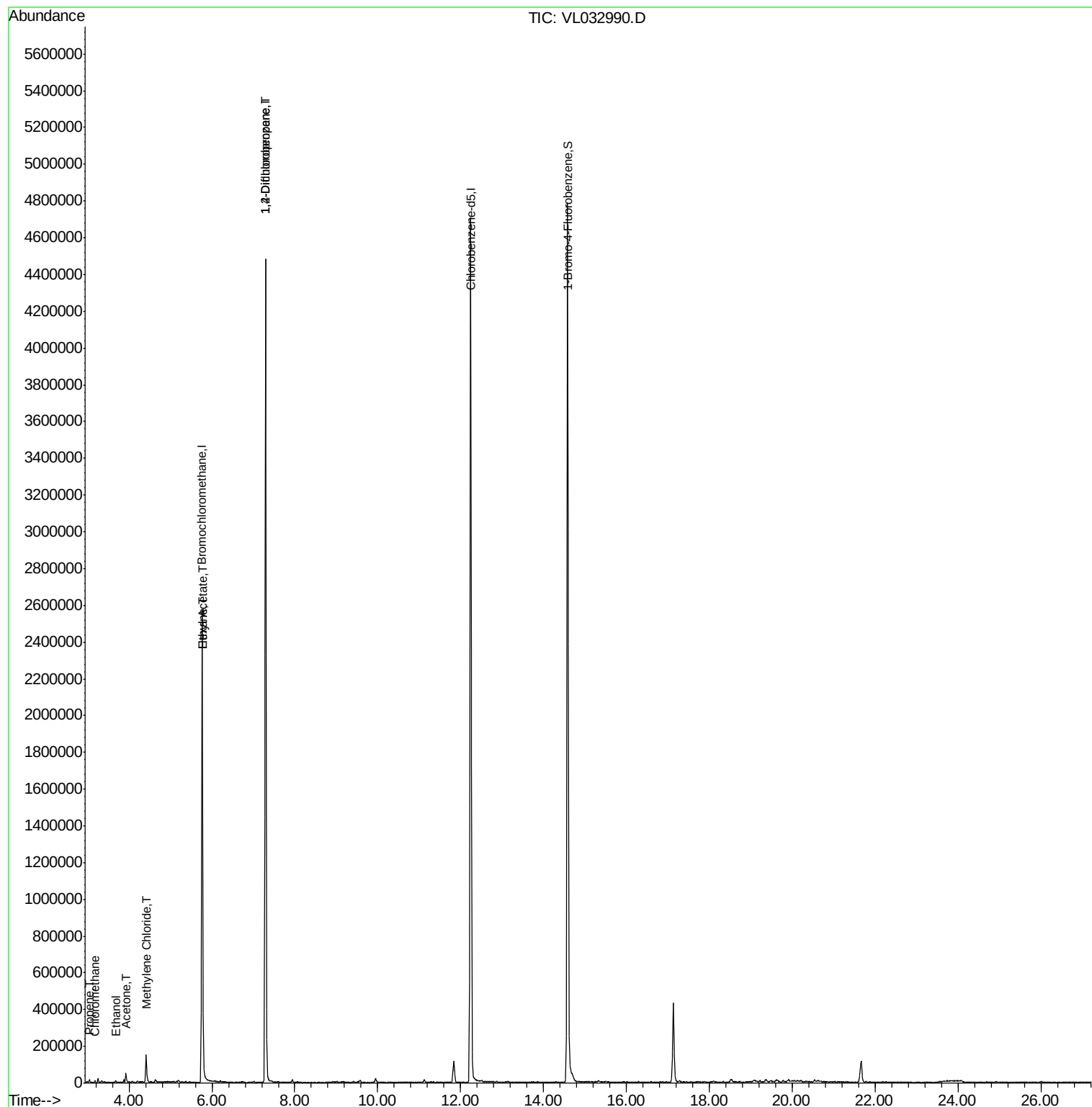
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	3272	0.064	ppbv #	74
9) Propene	3.05	41	2045	0.059	ppbv	89
13) Ethanol	3.67	45	6694	0.558	ppbv	89
15) Acetone	3.92	43	43990	0.440	ppbv	94
20) Methylene Chloride	4.41	84	46659	0.955	ppbv	96
25) Ethyl Acetate	5.78	43	10197	0.043	ppbv #	82
26) Hexane	5.78	57	10995	0.101	ppbv #	38
39) 1,2-Dichloropropane	7.29	63	775558	8.986	ppbv #	22

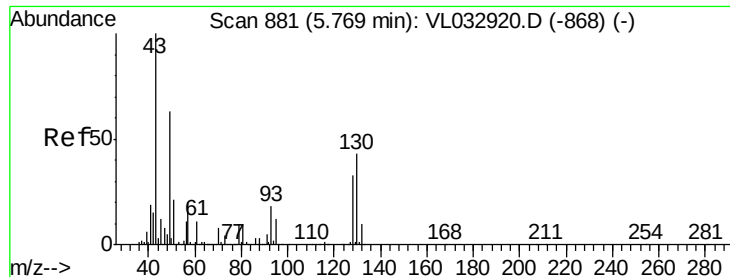
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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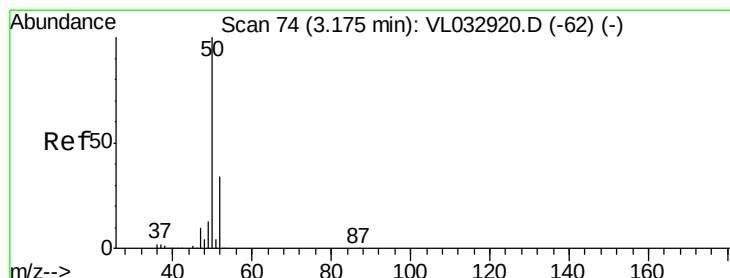
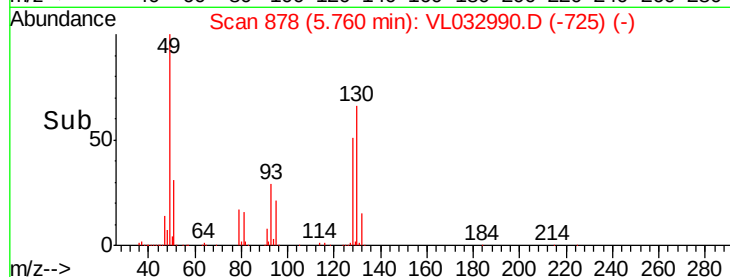
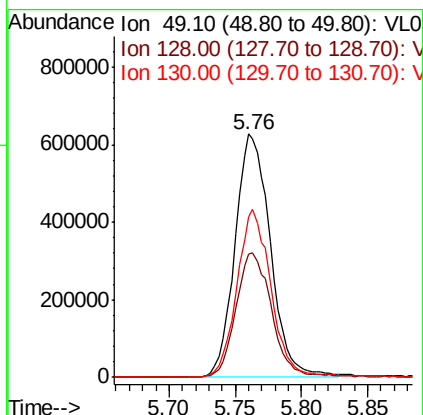
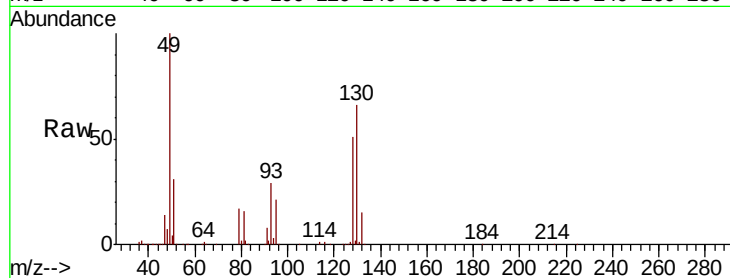




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VL032990.D
 Acq: 13 Dec 2018 19:35

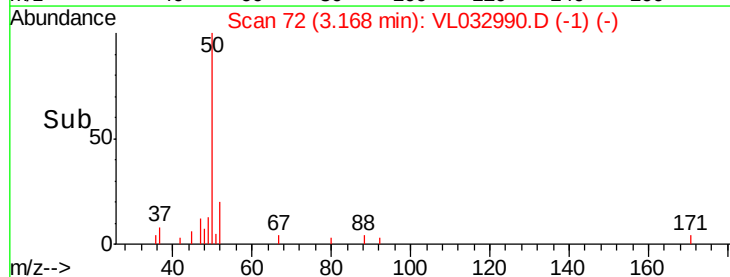
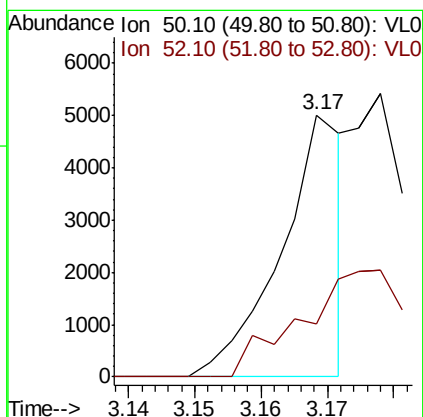
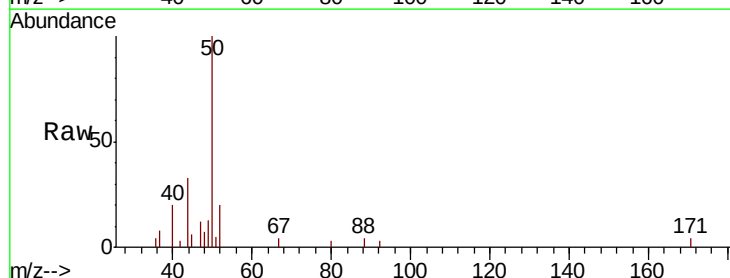
Instrument :
 MSVOA_L
 ClientSampleId :
 P00131-SG001-181212-01DL

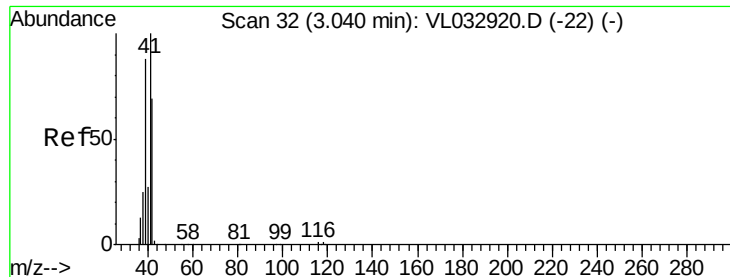
Tgt Ion: 49 Resp: 1164329
 Ion Ratio Lower Upper
 49 100
 128 52.2 26.3 78.8
 130 67.4 33.9 101.7



#4
 Chloromethane
 Concen: 0.064 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. -0.01 min
 Lab File: VL032990.D
 Acq: 13 Dec 2018 19:35

Tgt Ion: 50 Resp: 3272
 Ion Ratio Lower Upper
 50 100
 52 19.1 27.3 40.9#





#9

Propene

Concen: 0.059 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL032990.D

Acq: 13 Dec 2018 19:35

Instrument :

MSVOA_L

ClientSampleId :

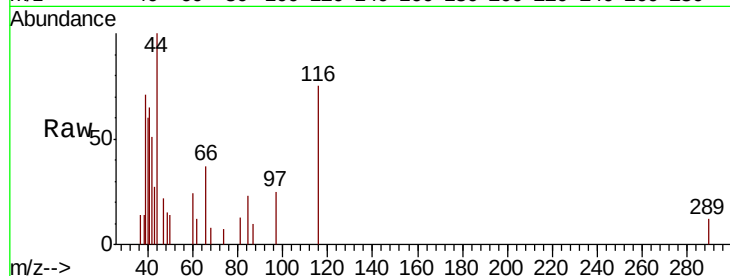
P00131-SG001-181212-01DL

Tgt Ion: 41 Resp: 2045

Ion Ratio Lower Upper

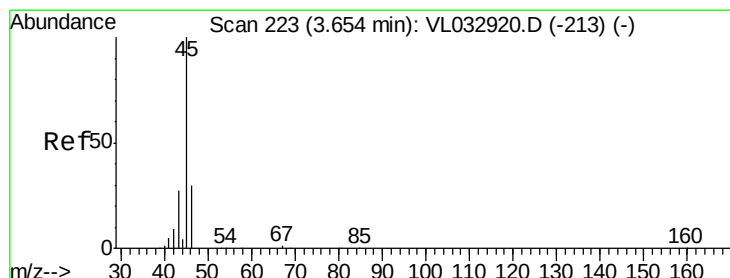
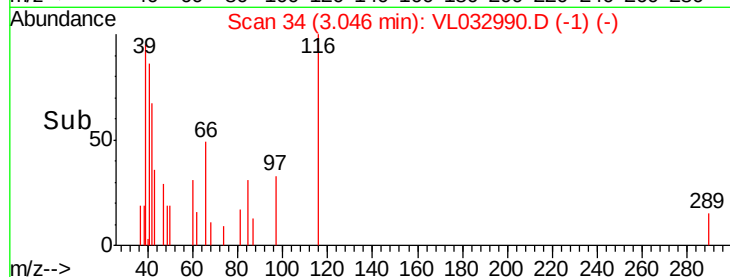
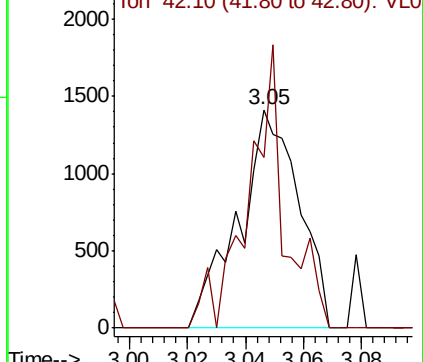
41 100

42 79.2 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.558 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL032990.D

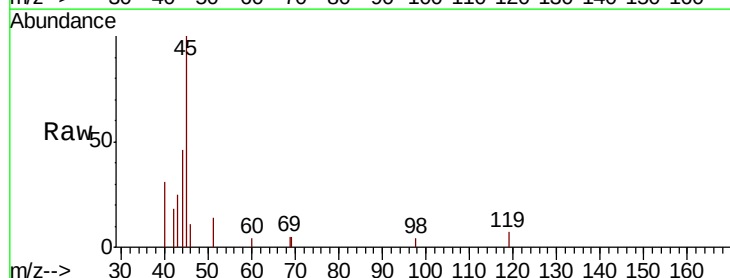
Acq: 13 Dec 2018 19:35

Tgt Ion: 45 Resp: 6694

Ion Ratio Lower Upper

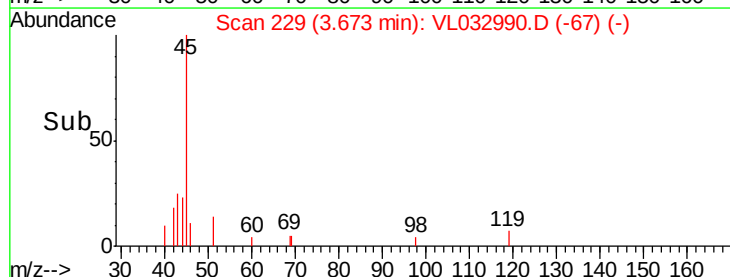
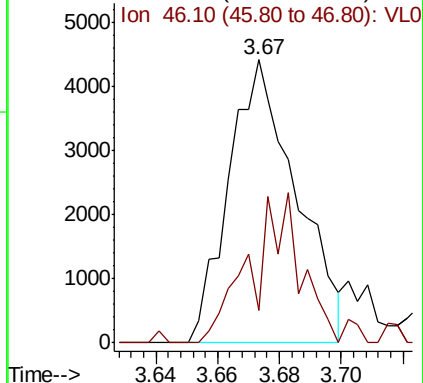
45 100

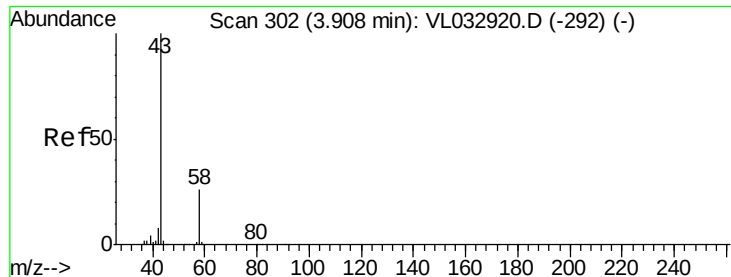
46 41.0 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.440 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL032990.D

Acq: 13 Dec 2018 19:35

Instrument :

MSVOA_L

ClientSampleId :

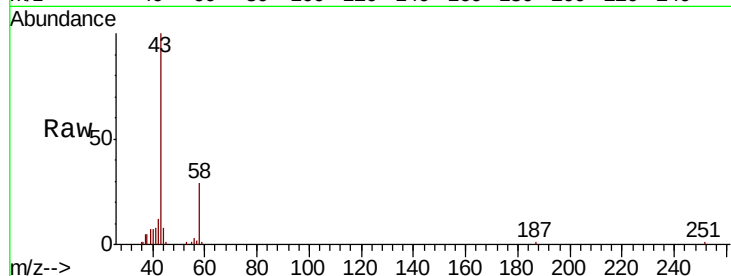
P00131-SG001-181212-01DL

Tgt Ion: 43 Resp: 43990

Ion Ratio Lower Upper

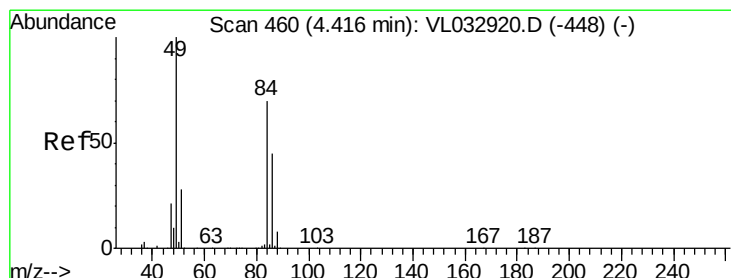
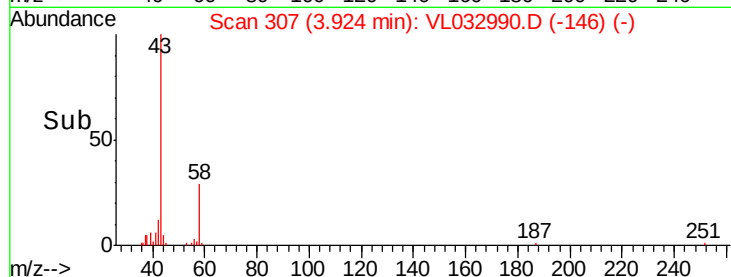
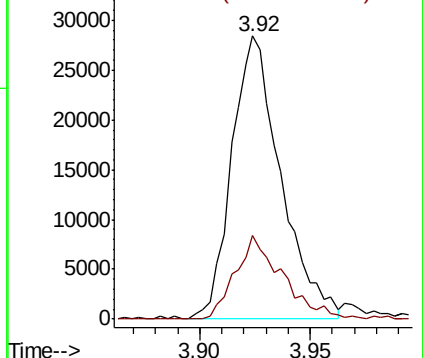
43 100

58 28.6 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.955 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032990.D

Acq: 13 Dec 2018 19:35

Tgt Ion: 84 Resp: 46659

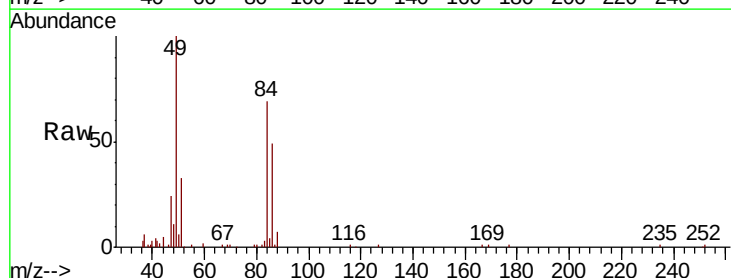
Ion Ratio Lower Upper

84 100

49 143.4 113.8 170.8

51 47.1 31.8 47.8

86 69.1 50.8 76.2

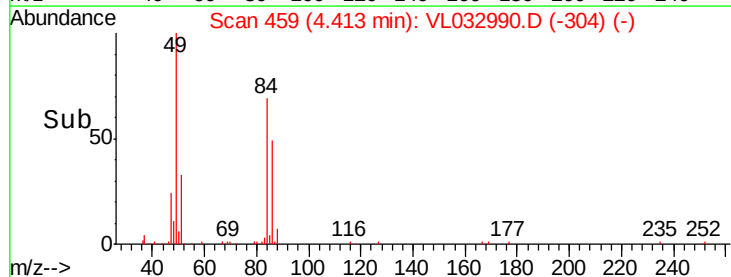
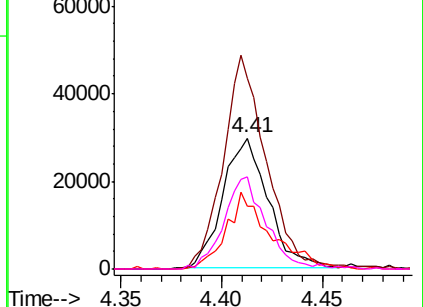


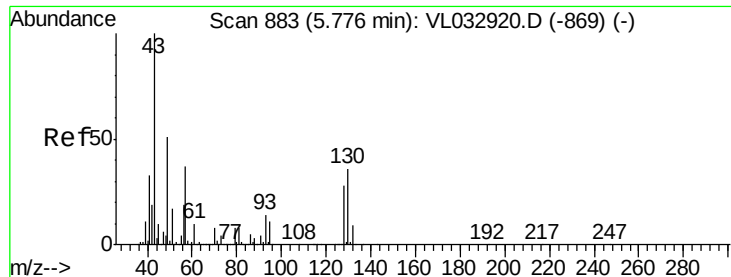
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

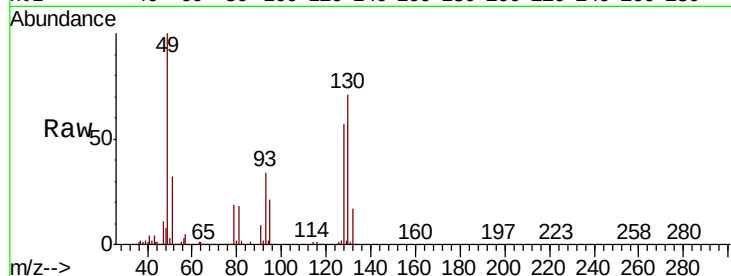




#25
Ethyl Acetate
Concen: 0.043 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

Tgt Ion:	43	Resp:	10197
Ion	Ratio	Lower	Upper
43	100		
45	2.0	7.8	11.6#
61	0.0	7.4	11.2#
70	5.8	5.7	8.5



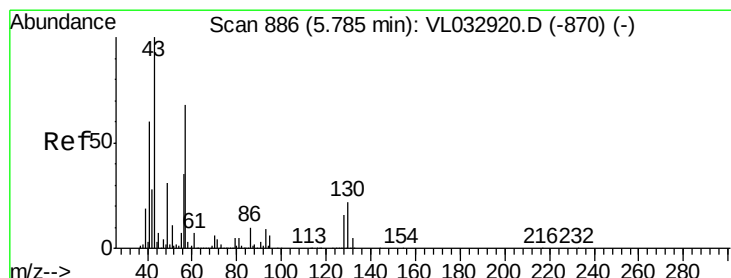
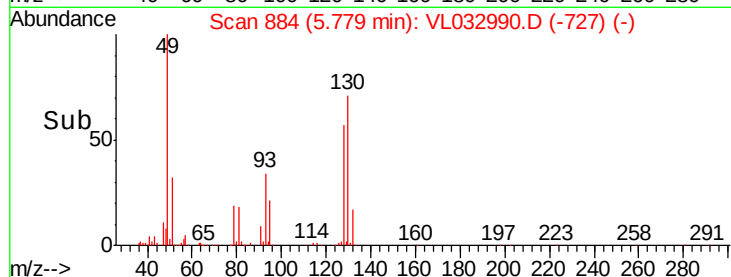
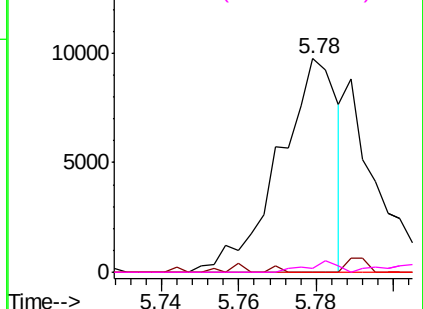
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

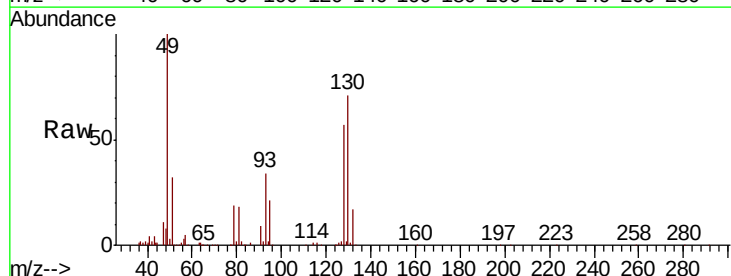
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.101 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion:	57	Resp:	10995
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.2	108.2#
43	146.2	171.9	257.9#
56	110.3	42.2	63.2#



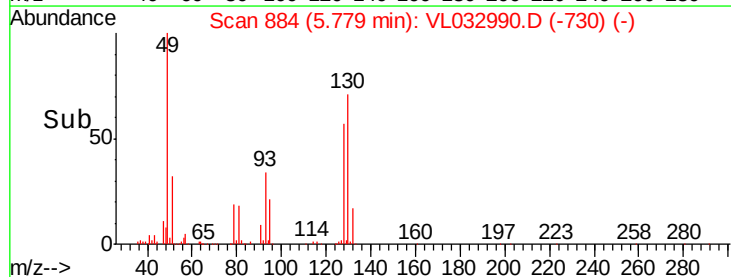
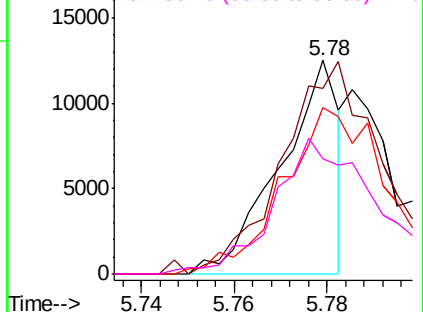
Abundance

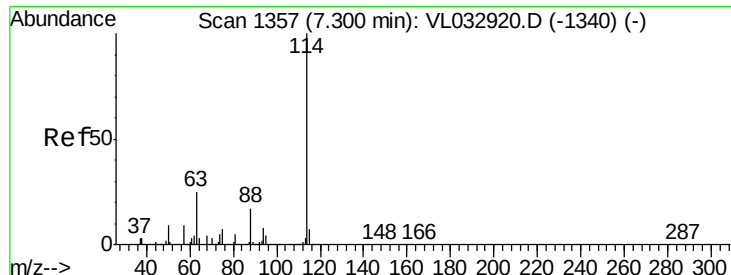
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

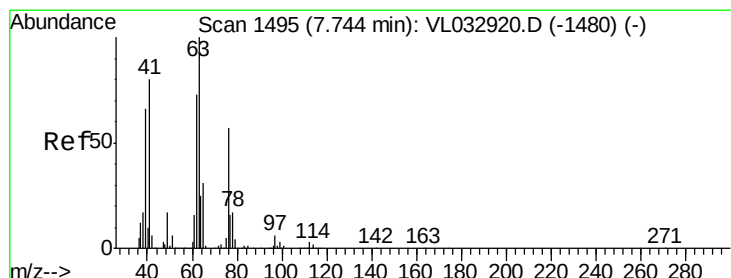
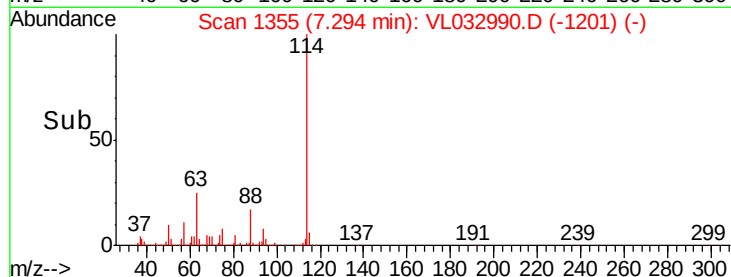
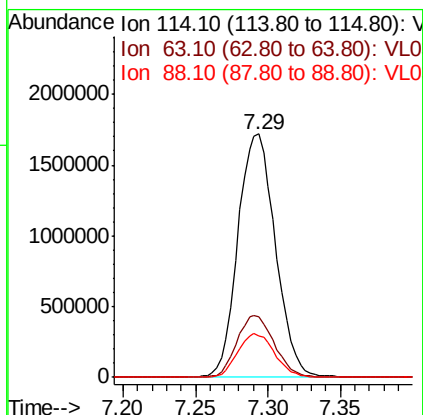
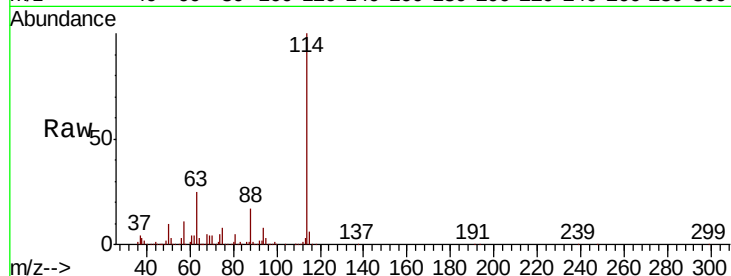




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032990.D
 Acq: 13 Dec 2018 19:35

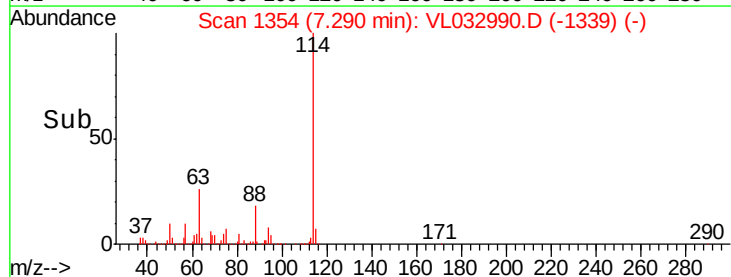
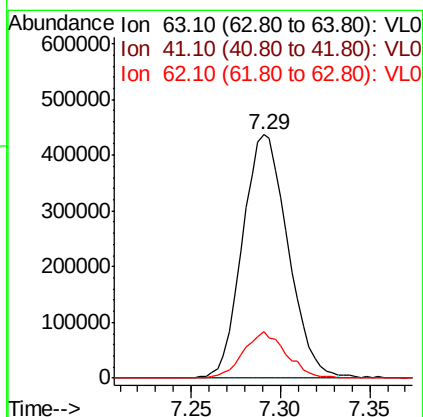
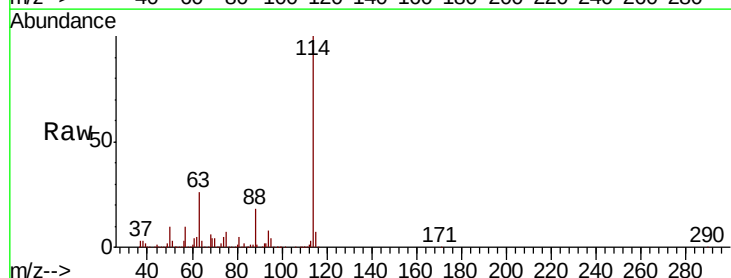
Instrument :
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 P00131-SG001-181212-01DL

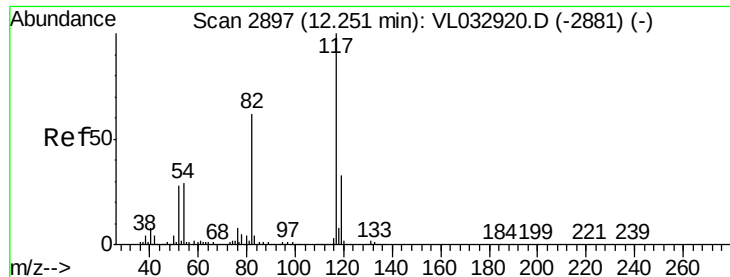
Tgt Ion:114 Resp: 3093984
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.8 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 8.986 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL032990.D
 Acq: 13 Dec 2018 19:35

Tgt Ion: 63 Resp: 775558
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.9 95.9#
 62 19.0 58.8 88.2#

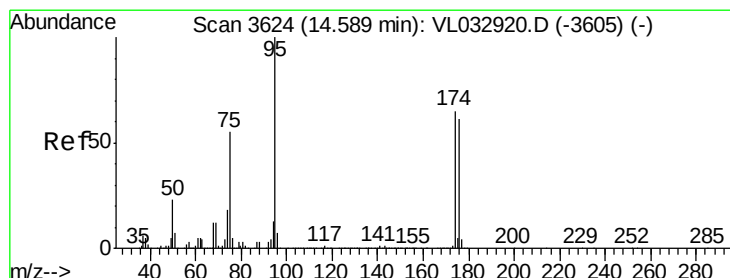
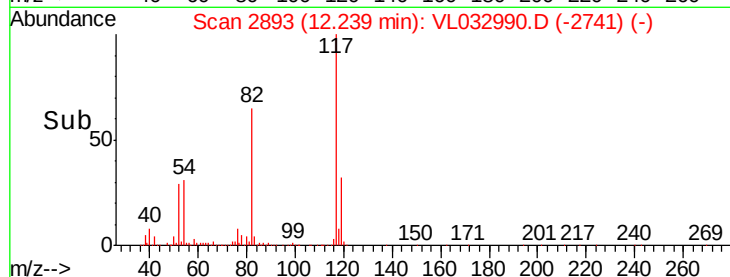
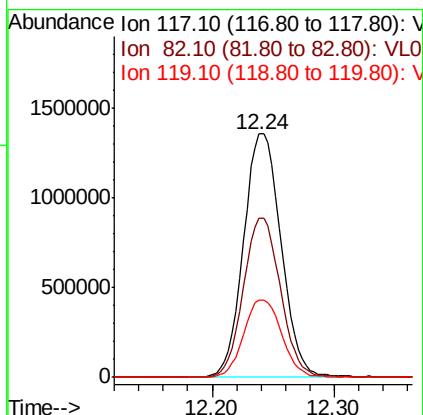
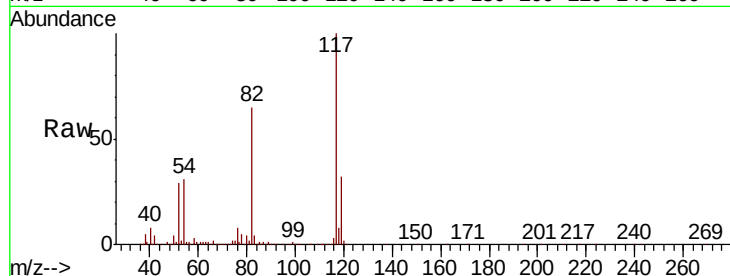




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

Tgt Ion: 117 Resp: 2874266
Ion Ratio Lower Upper
117 100
82 65.1 47.8 71.8
119 32.4 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.180 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 95 Resp: 2161791
Ion Ratio Lower Upper
95 100
174 64.9 51.4 77.0
175 4.7 3.8 5.6

