

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033075.D
 Acq On : 4 Jan 2019 19:44
 Operator : SY/AP
 Sample : J6594-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1-2018-12-19DL2

Quant Time: Jan 05 01:51:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	989026	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2384679	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2274995	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1770327	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

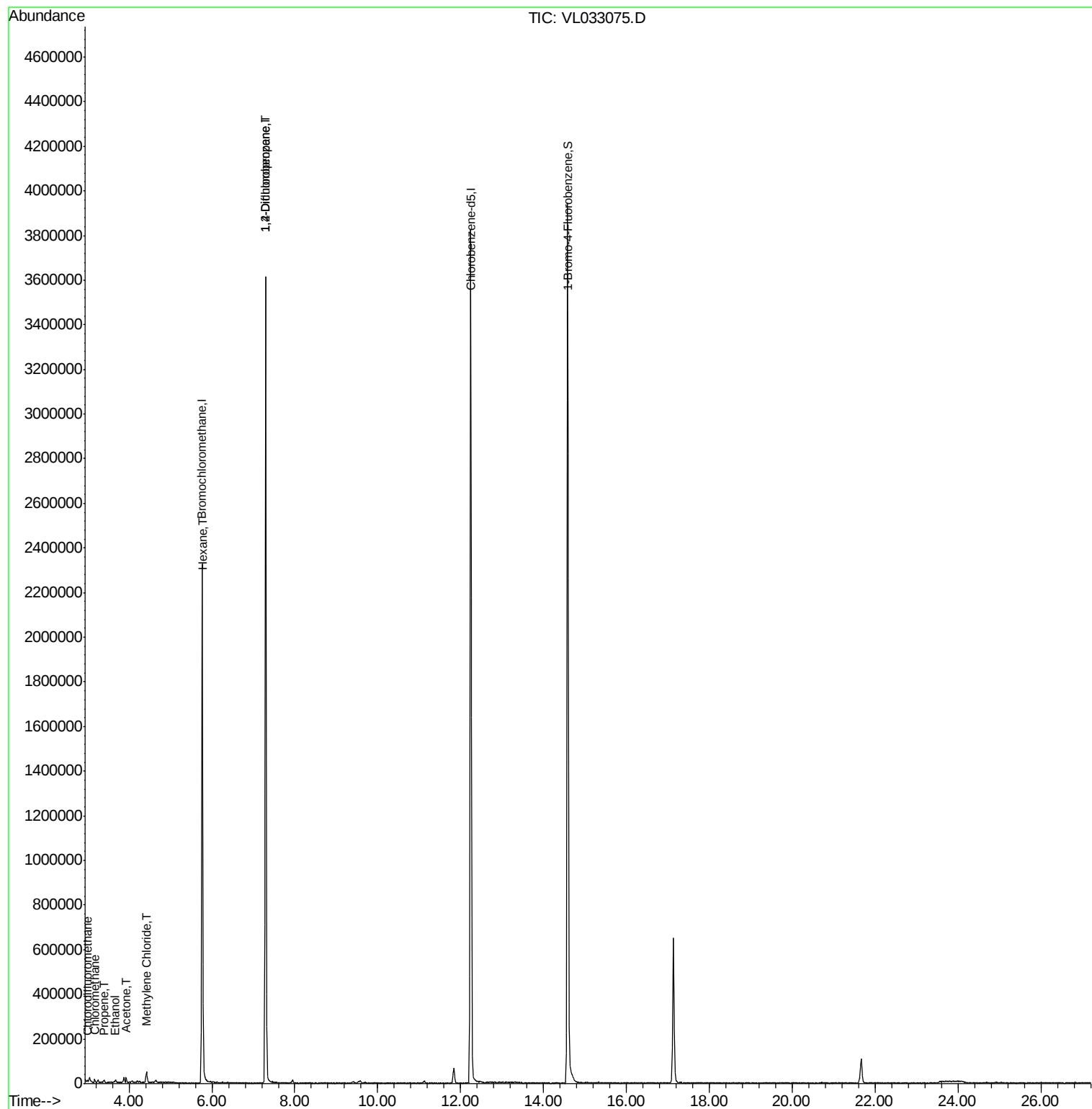
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	5534	0.049	ppbv #	69
4) Chloromethane	3.17	50	8877	0.138	ppbv	90
9) Propene	3.40	41	1773	0.042	ppbv	91
13) Ethanol	3.67	45	1690	0.101	ppbv #	1
15) Acetone	3.93	43	18710	0.137	ppbv	94
20) Methylene Chloride	4.42	84	14076	0.247	ppbv #	80
26) Hexane	5.78	57	4817	0.044	ppbv #	38
39) 1,2-Dichloropropane	7.29	63	608567	8.293	ppbv #	23

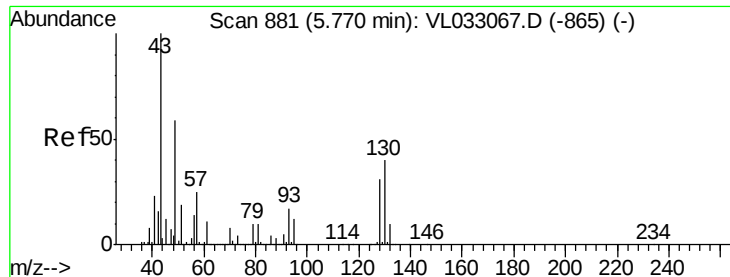
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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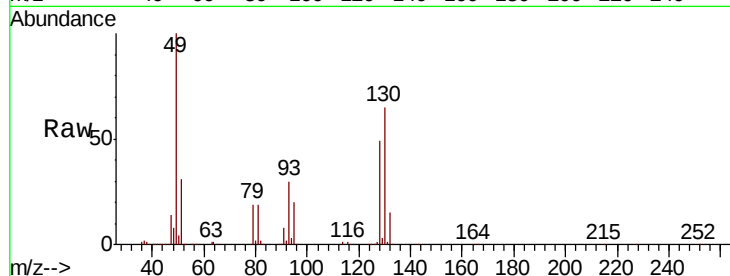
Tgt Ion: 49 Resp: 989026

Ion Ratio Lower Upper

49 100

128 53.2 26.2 78.5

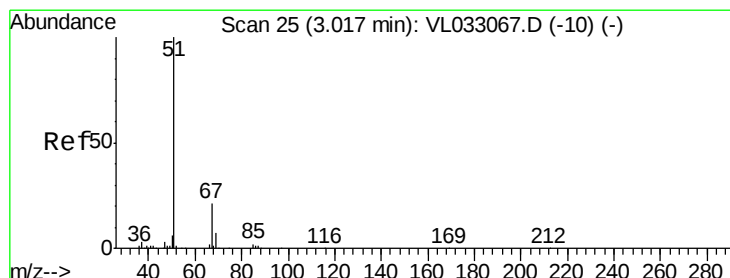
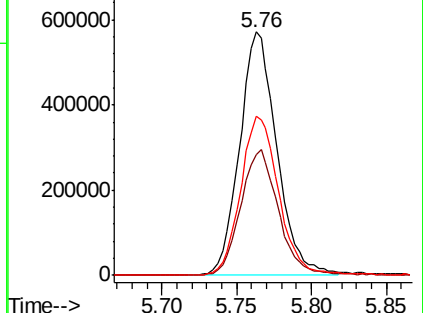
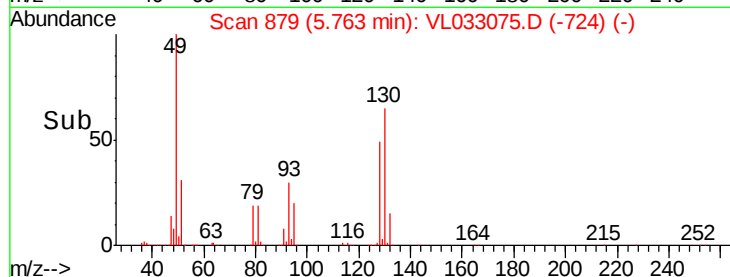
130 67.2 33.6 100.6



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



#3

Chlorodifluoromethane

Concen: 0.049 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.02 min

Lab File: VL033075.D

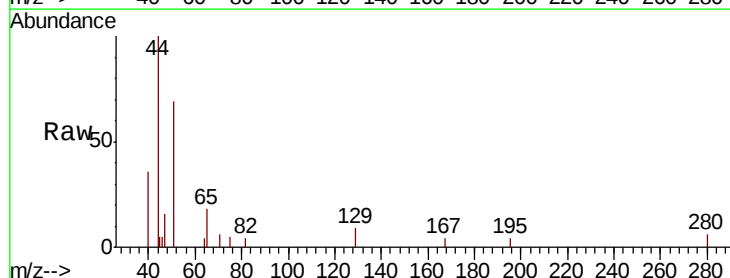
Acq: 4 Jan 2019 19:44

Tgt Ion: 51 Resp: 5534

Ion Ratio Lower Upper

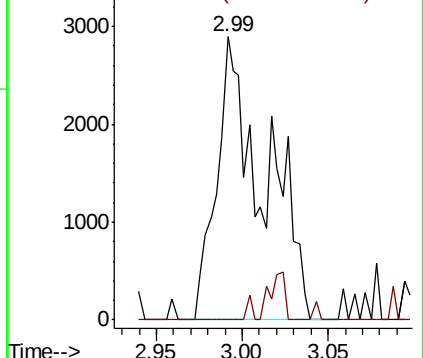
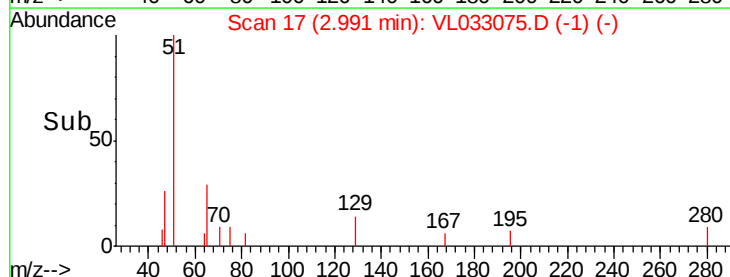
51 100

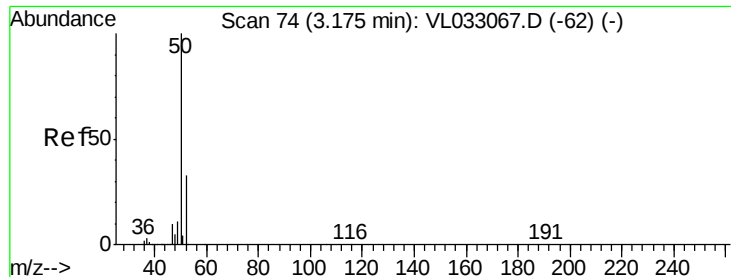
67 6.2 16.3 24.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.138 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033075.D

Acq: 4 Jan 2019 19:44

Instrument :

MSVOA_L

ClientSampleId :

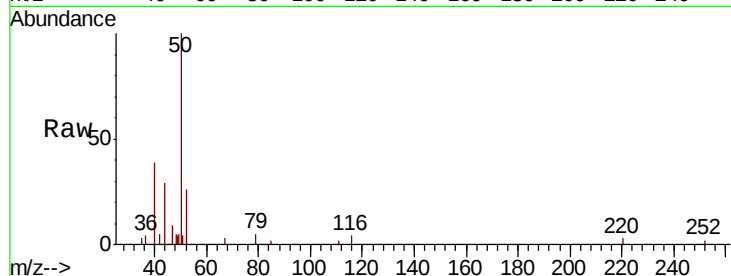
SVI-IA1-2018-12-19DL2

Tgt Ion: 50 Resp: 8877

Ion Ratio Lower Upper

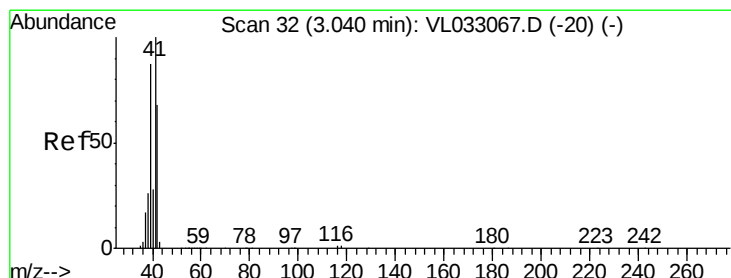
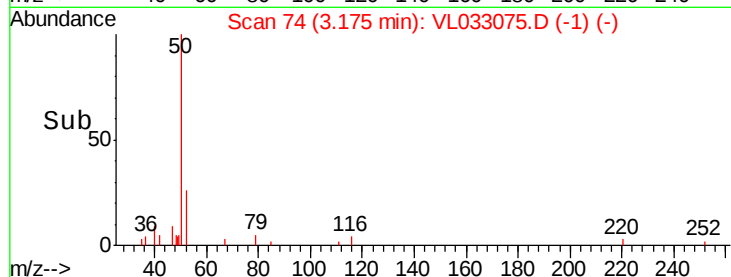
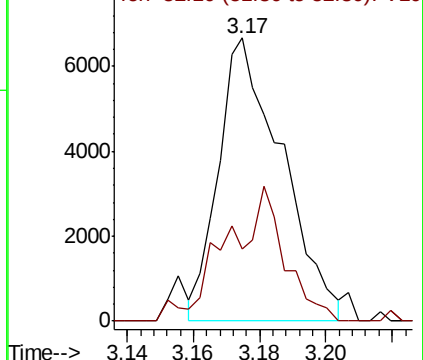
50 100

52 27.7 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.042 ppbv

RT: 3.40 min Scan# 143

Delta R.T. 0.36 min

Lab File: VL033075.D

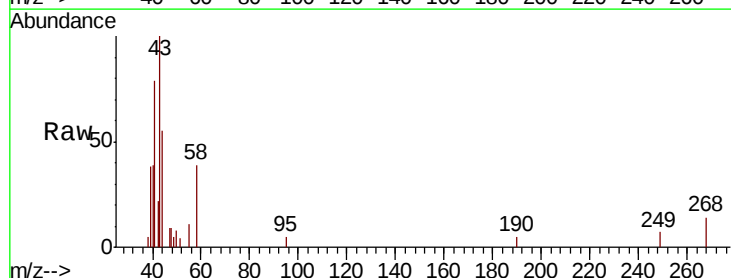
Acq: 4 Jan 2019 19:44

Tgt Ion: 41 Resp: 1773

Ion Ratio Lower Upper

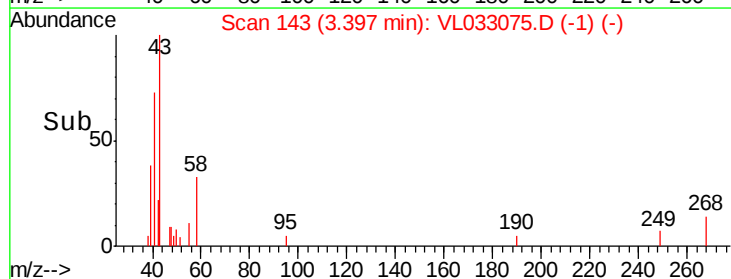
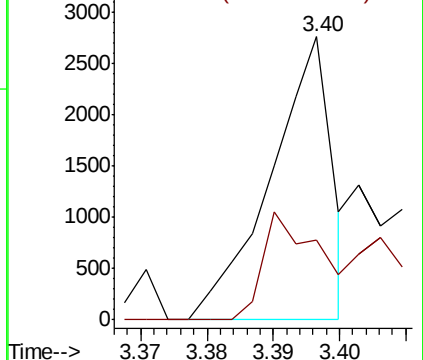
41 100

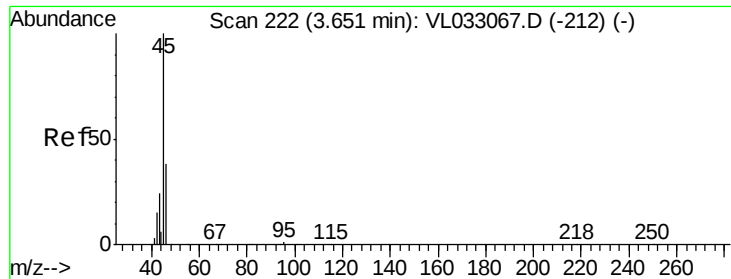
42 61.4 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

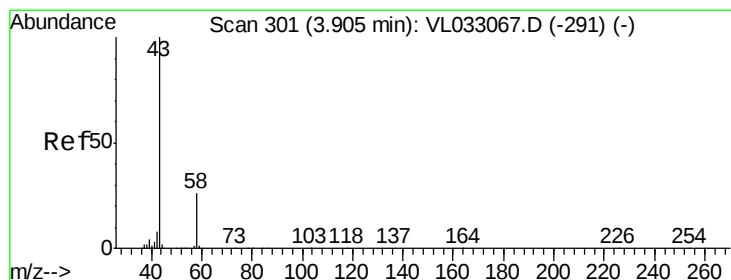
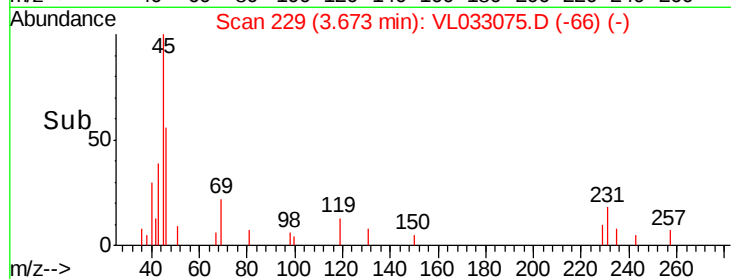
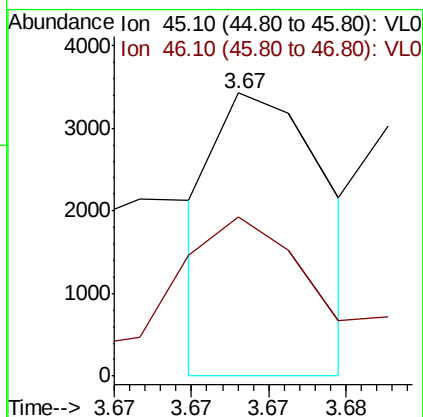
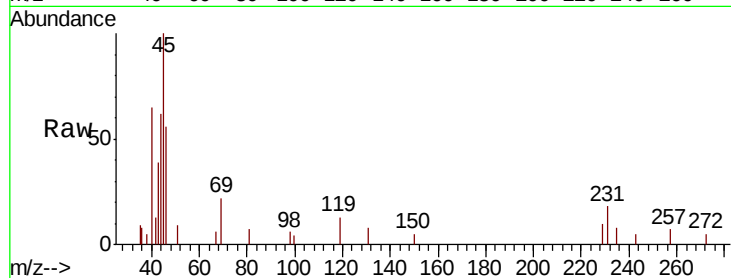




#13
Ethanol
Concen: 0.101 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL033075.D
Acq: 4 Jan 2019 19:44

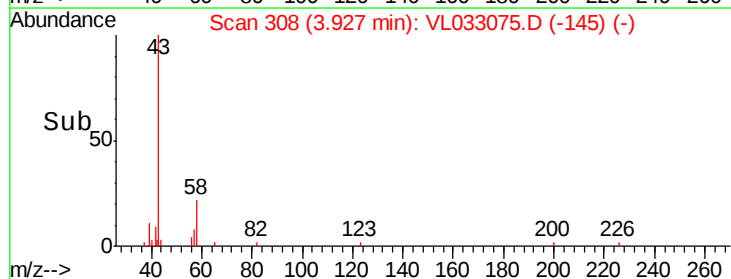
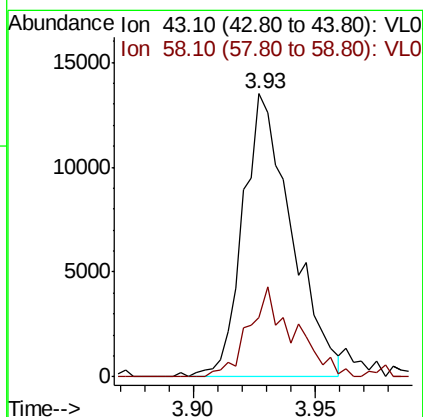
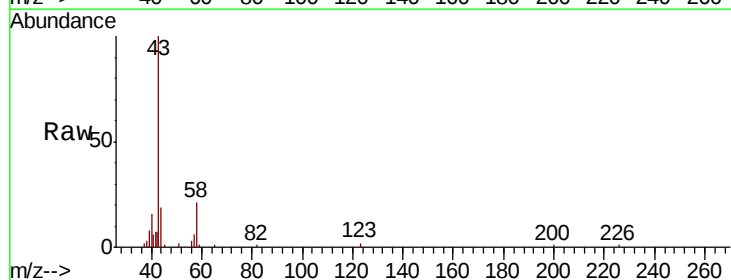
Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19DL2

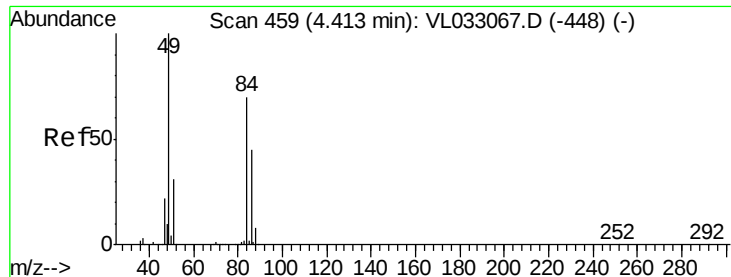
Tgt Ion: 45 Resp: 1690
Ion Ratio Lower Upper
45 100
46 153.5 13.8 55.2#



#15
Acetone
Concen: 0.137 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.03 min
Lab File: VL033075.D
Acq: 4 Jan 2019 19:44

Tgt Ion: 43 Resp: 18710
Ion Ratio Lower Upper
43 100
58 29.4 21.1 31.7

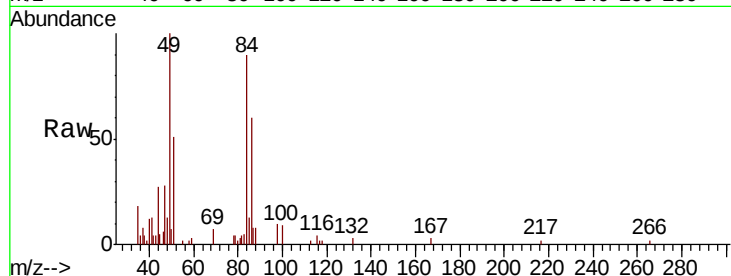




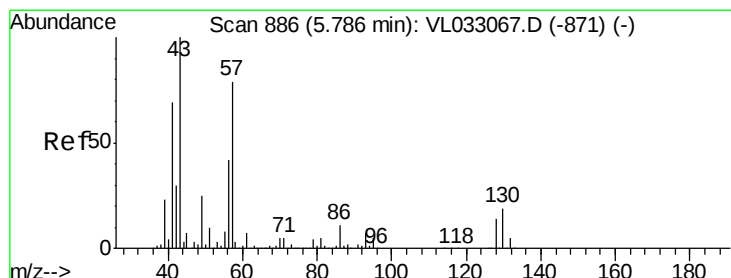
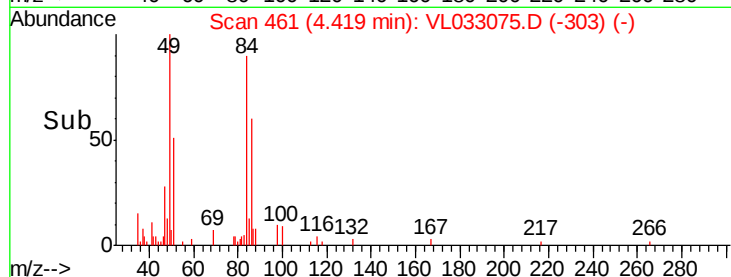
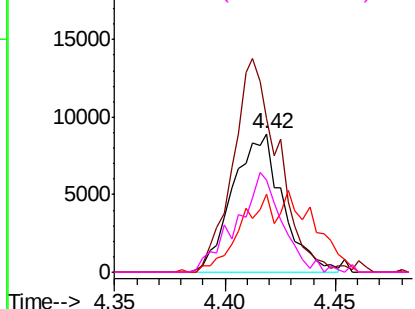
#20
Methylene Chloride
Concen: 0.247 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL033075.D
Acq: 4 Jan 2019 19:44

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19DL2

Tgt Ion: 84 Resp: 14076
Ion Ratio Lower Upper
84 100
49 111.0 115.8 173.6#
51 56.1 35.7 53.5#
86 66.4 49.7 74.5

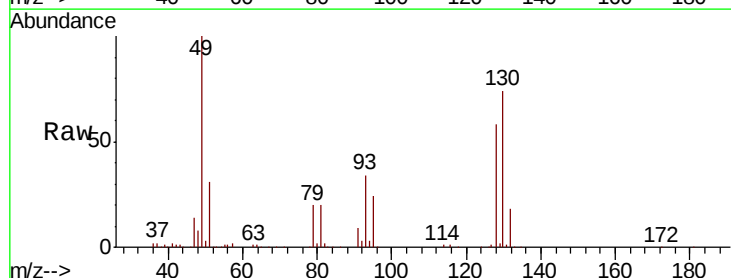


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

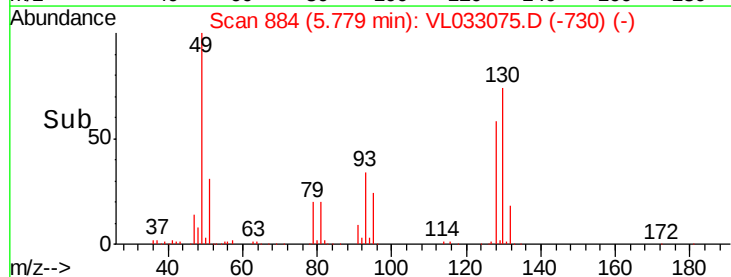
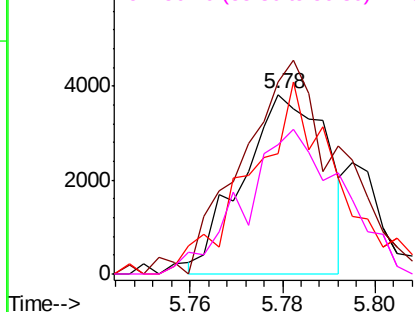


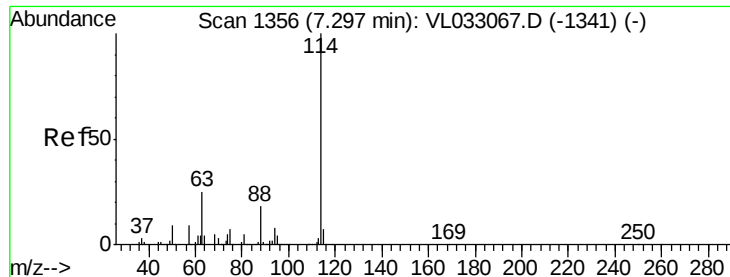
#26
Hexane
Concen: 0.044 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033075.D
Acq: 4 Jan 2019 19:44

Tgt Ion: 57 Resp: 4817
Ion Ratio Lower Upper
57 100
41 144.2 70.8 106.2#
43 113.0 171.8 257.6#
56 94.1 41.9 62.9#



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

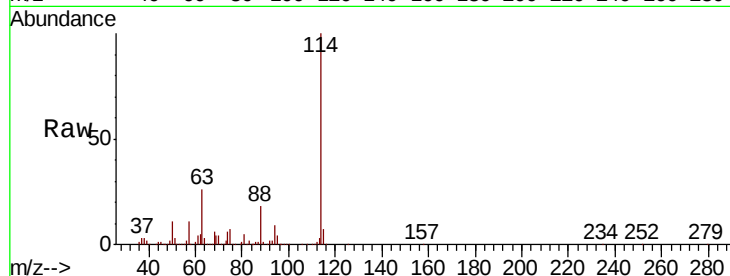




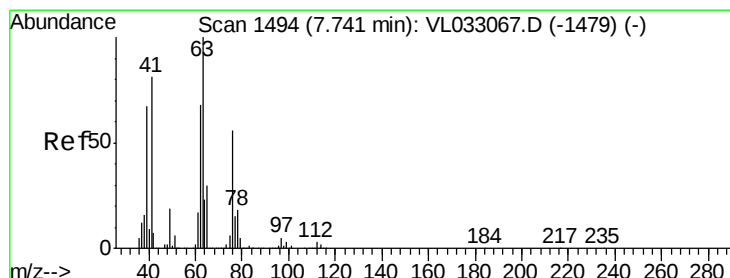
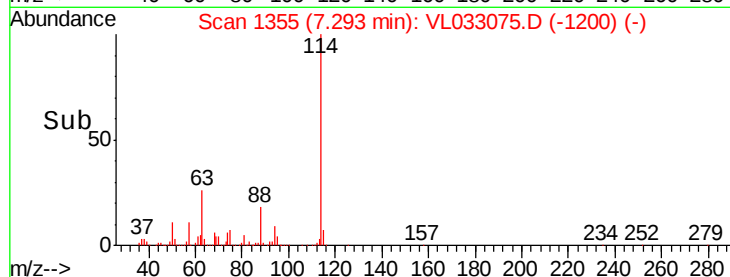
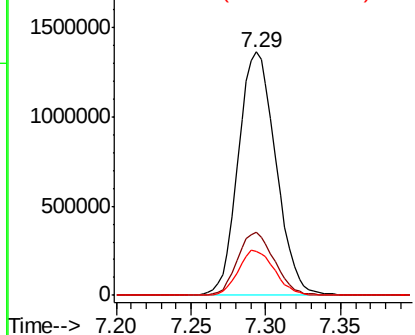
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033075.D
 Acq: 4 Jan 2019 19:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1-2018-12-19DL2

Tgt Ion:114 Resp: 2384679
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.1 30.1
 88 18.0 14.0 21.0

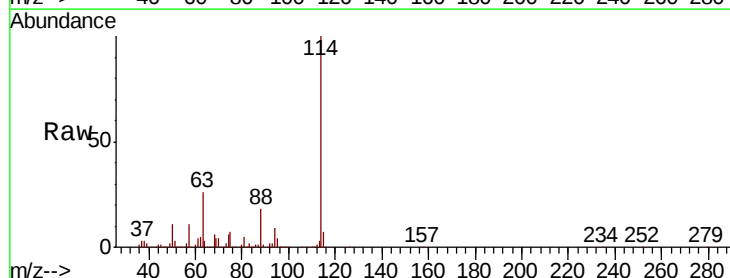


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

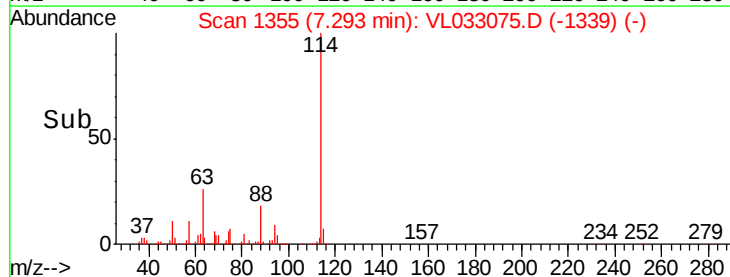
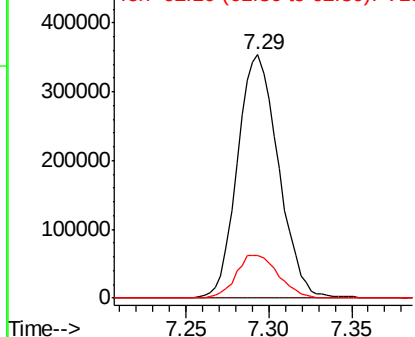


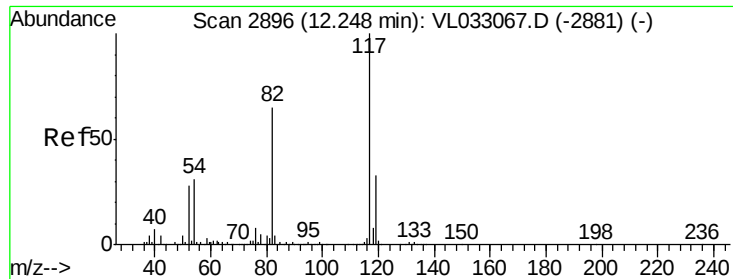
#39
 1,2-Dichloropropane
 Concen: 8.293 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.45 min
 Lab File: VL033075.D
 Acq: 4 Jan 2019 19:44

Tgt Ion: 63 Resp: 608567
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.3 55.8 83.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

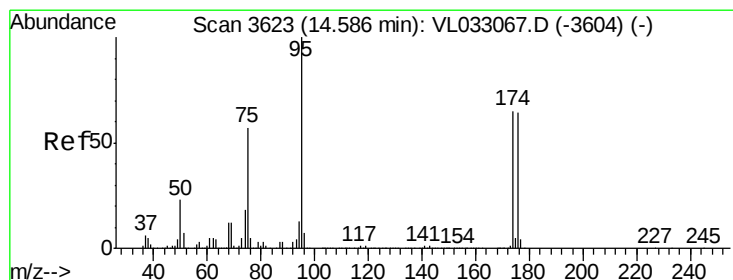
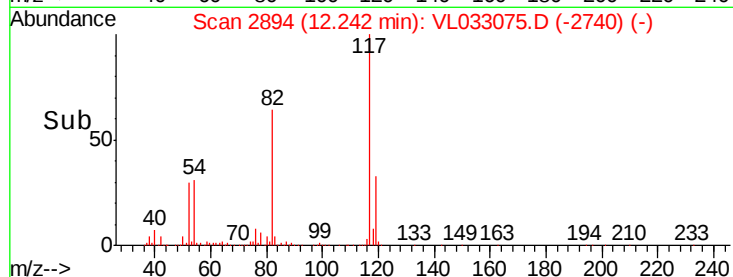
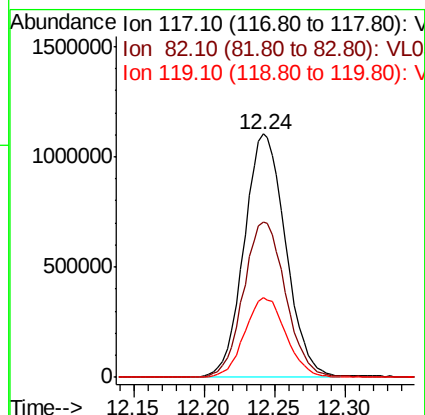
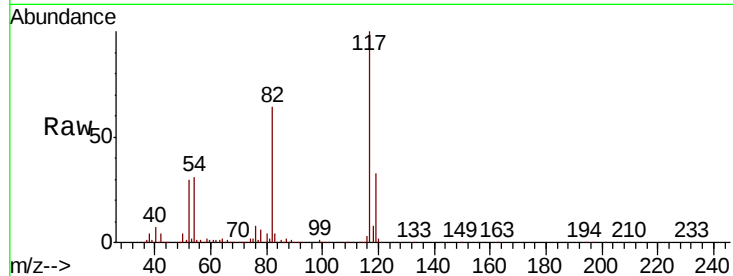




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033075.D
Acq: 4 Jan 2019 19:44

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Tgt Ion: 117 Resp: 2274995
Ion Ratio Lower Upper
117 100
82 65.1 48.9 73.3
119 32.9 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.152 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033075.D
Acq: 4 Jan 2019 19:44

Tgt Ion: 95 Resp: 1770327
Ion Ratio Lower Upper
95 100
174 64.0 51.9 77.9
175 4.7 3.9 5.9

