

Data File : VL033729.D
Acq On : 20 May 2019 18:14
Operator : SY/AP
Sample : CAN 10467
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10467

Quant Time: May 21 01:33:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1008885	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2137420	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2161126	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1803294	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

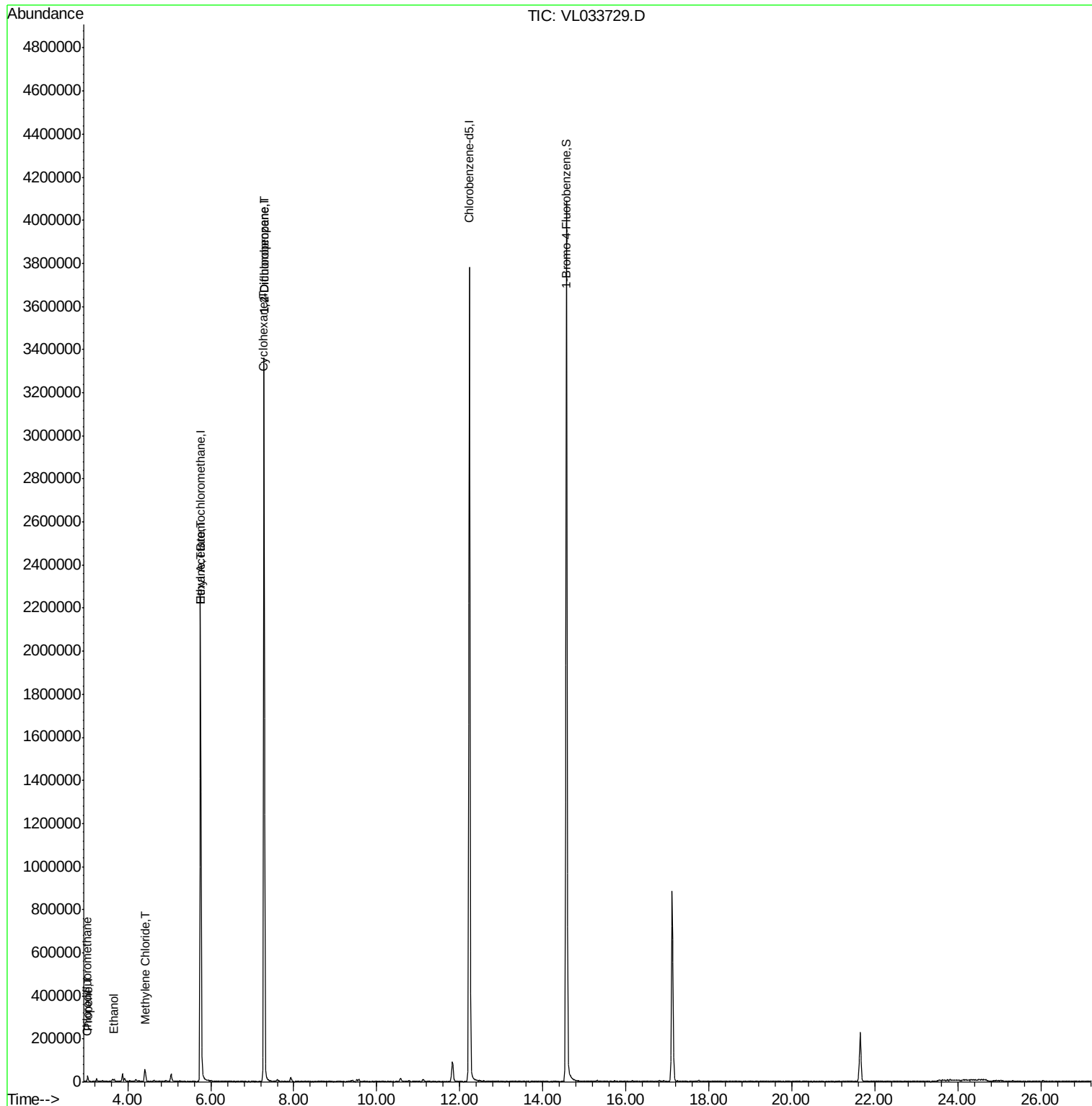
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	2137	0.018	ppbv #	75
9) Propene	3.04	41	654	0.013	ppbv #	15
13) Ethanol	3.66	45	2152	0.135	ppbv #	38
20) Methylene Chloride	4.41	84	15996	0.297	ppbv #	82
25) Ethyl Acetate	5.77	43	3615	0.015	ppbv #	84
26) Hexane	5.77	57	8961	0.085	ppbv #	35
30) Cyclohexane	7.27	84	3608	0.041	ppbv #	7
39) 1,2-Dichloropropane	7.28	63	598998	8.263	ppbv #	23

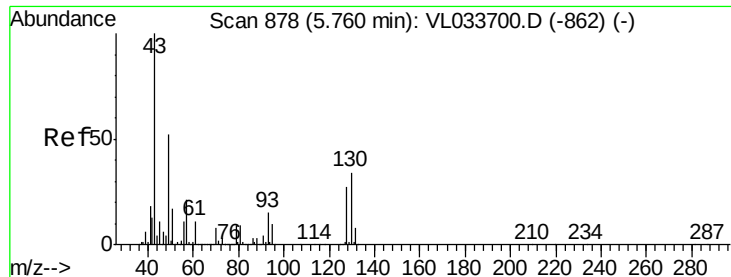
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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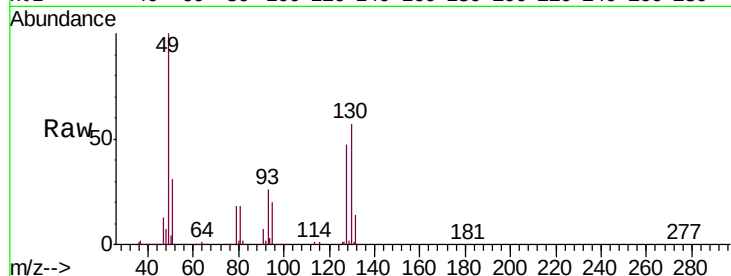
Tgt Ion: 49 Resp: 1008885

Ion Ratio Lower Upper

49 100

128 46.9 25.2 75.6

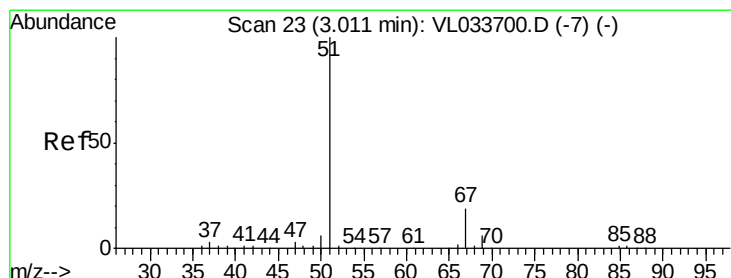
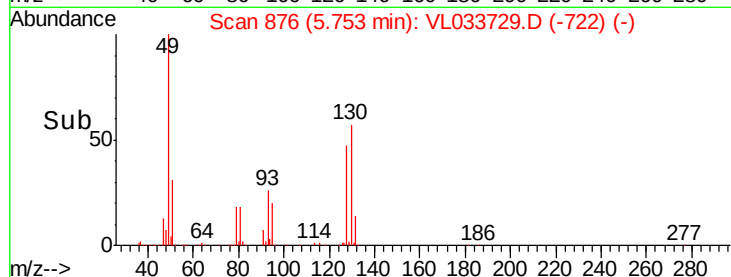
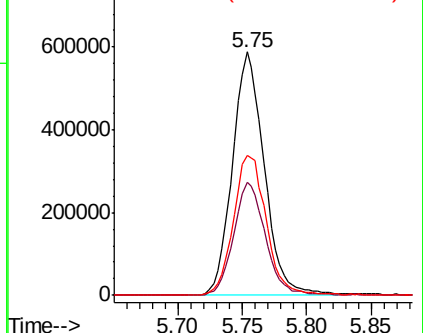
130 59.9 32.5 97.5



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: 0.018 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033729.D

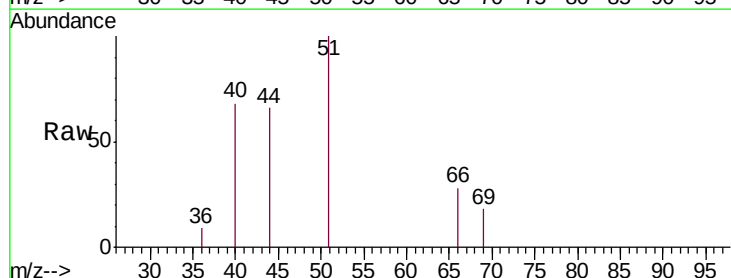
Acq: 20 May 2019 18:14

Tgt Ion: 51 Resp: 2137

Ion Ratio Lower Upper

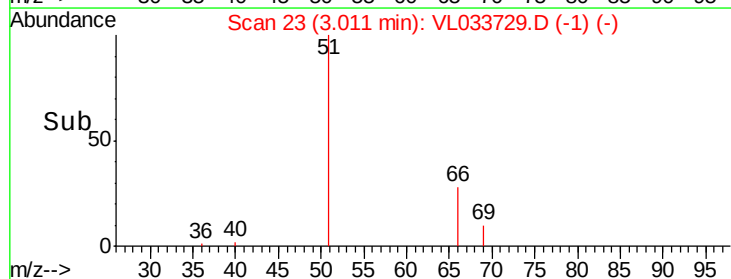
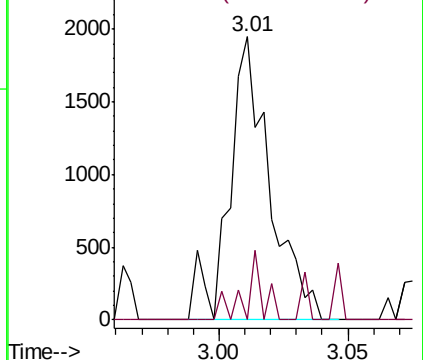
51 100

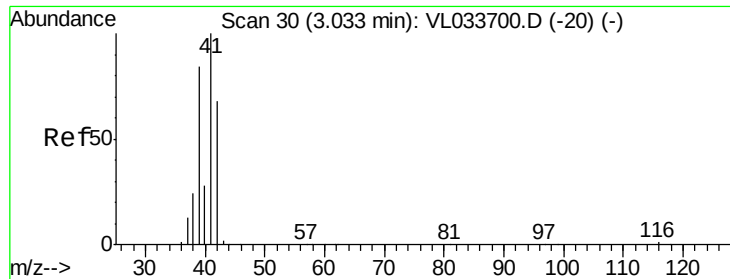
67 8.0 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.013 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

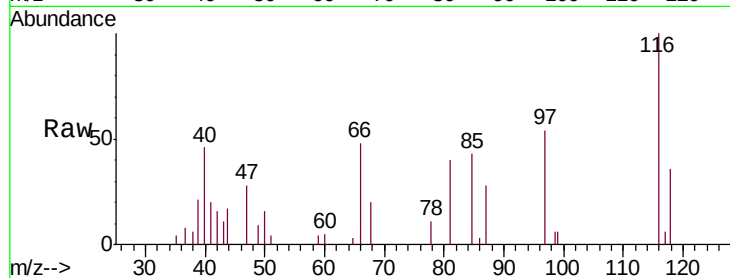
CAN 10467

Tgt Ion: 41 Resp: 654

Ion Ratio Lower Upper

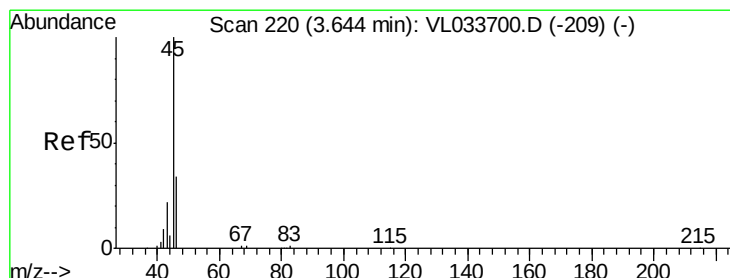
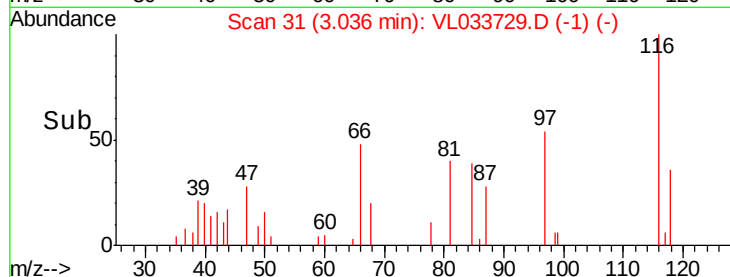
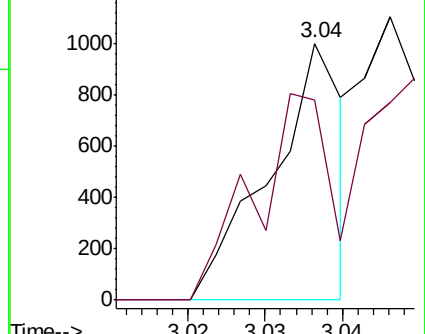
41 100

42 0.0 56.1 84.1#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.135 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

Lab File: VL033729.D

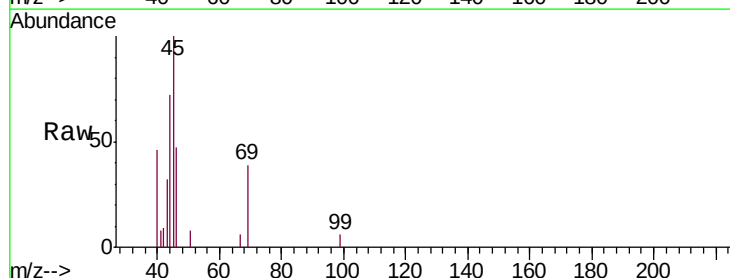
Acq: 20 May 2019 18:14

Tgt Ion: 45 Resp: 2152

Ion Ratio Lower Upper

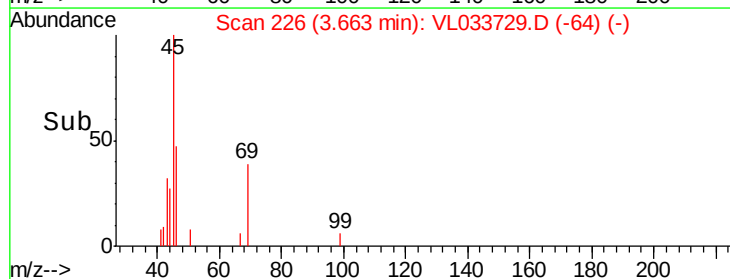
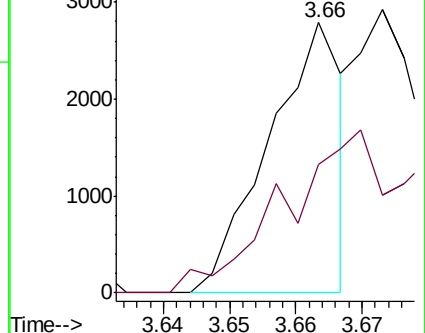
45 100

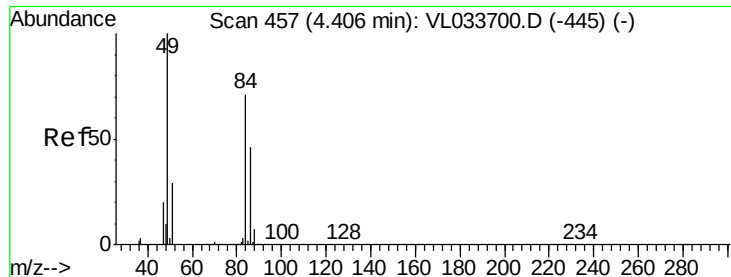
46 0.0 14.8 59.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

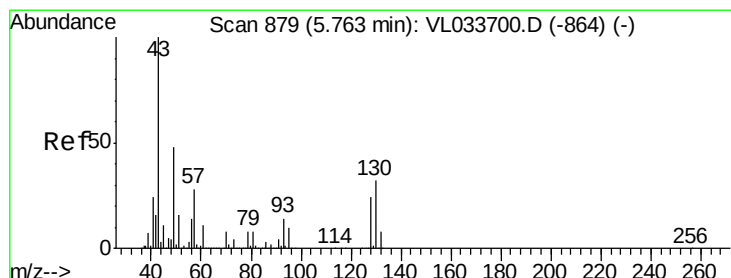
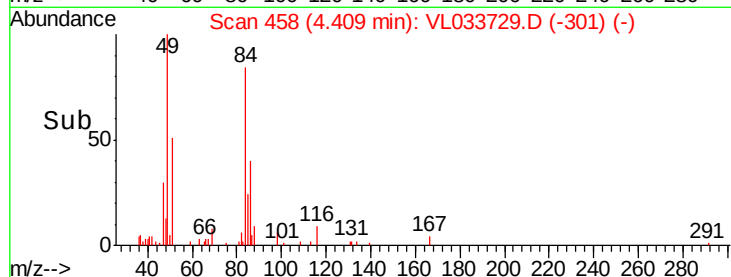
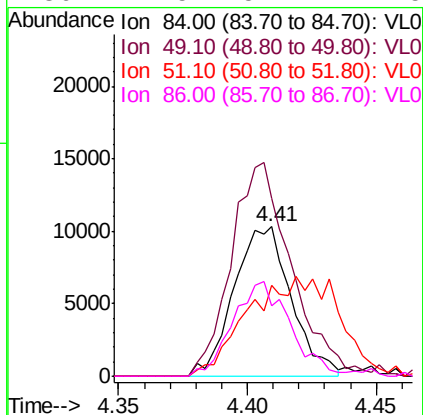
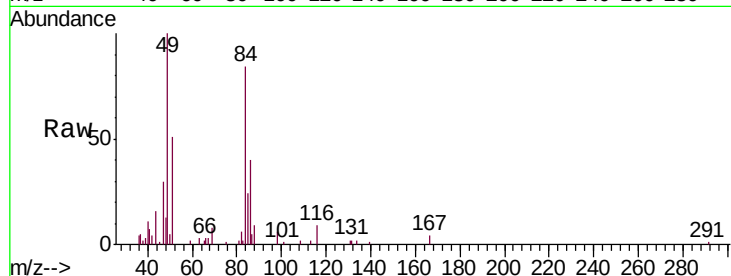




#20
Methylene Chloride
Concen: 0.297 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033729.D
Acq: 20 May 2019 18:14

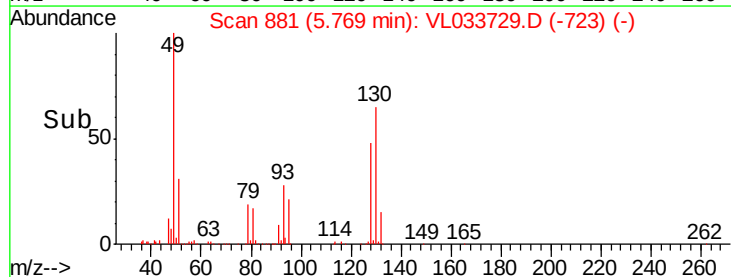
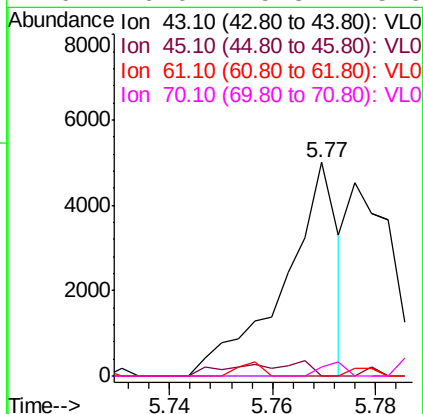
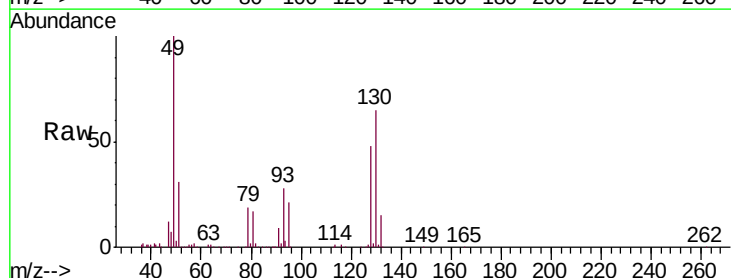
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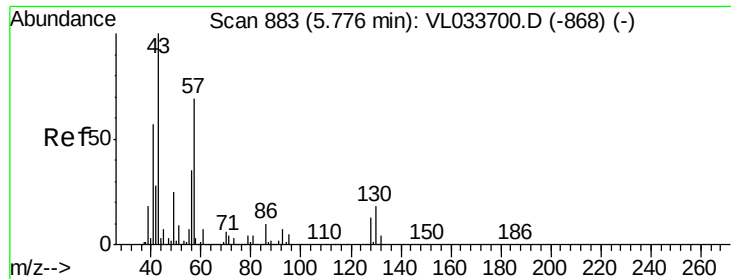
Tgt Ion:	84	Resp:	15996
Ion	Ratio	Lower	Upper
84	100		
49	125.1	112.8	169.2
51	60.9	33.4	50.0#
86	47.5	51.7	77.5#



#25
Ethyl Acetate
Concen: 0.015 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033729.D
Acq: 20 May 2019 18:14

Tgt Ion:	43	Resp:	3615
Ion	Ratio	Lower	Upper
43	100		
45	8.7	7.9	11.9
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#

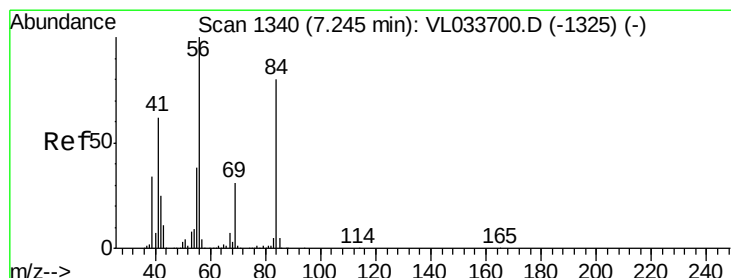
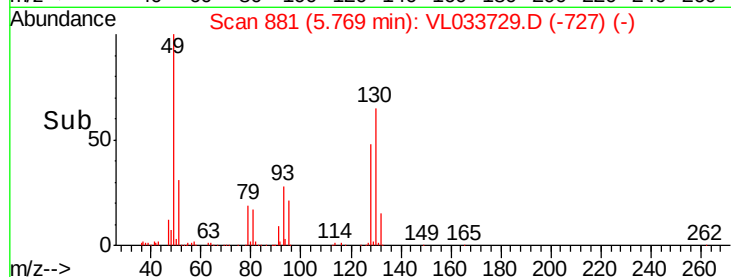
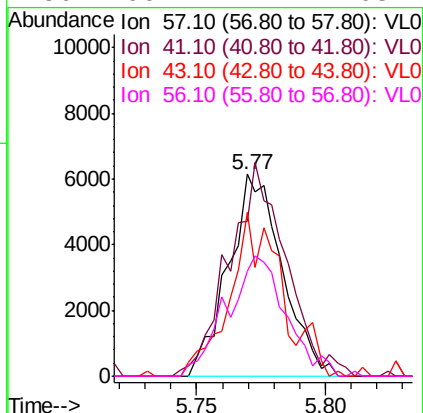
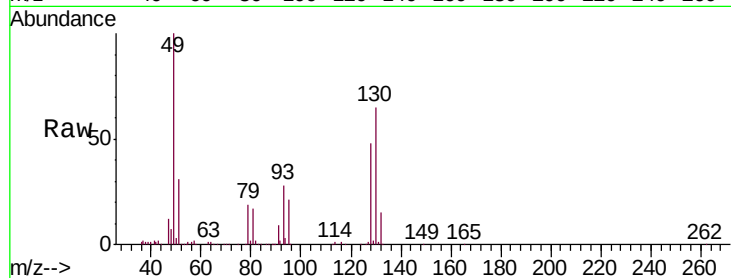




#26
Hexane
Concen: 0.085 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033729.D
Acq: 20 May 2019 18:14

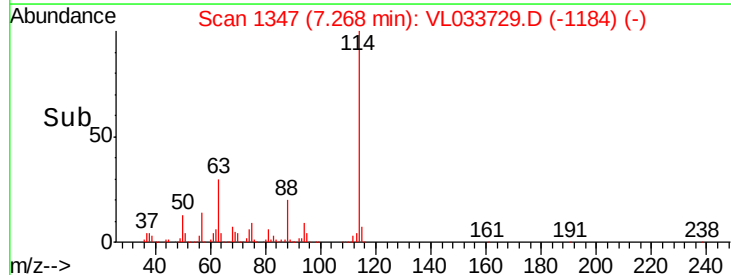
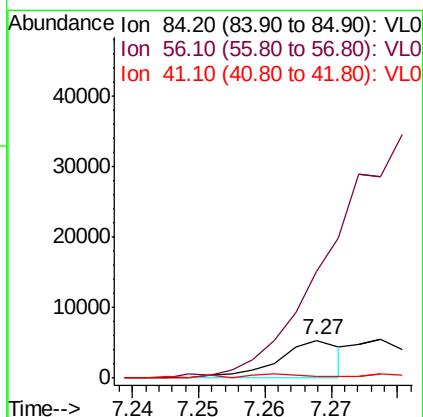
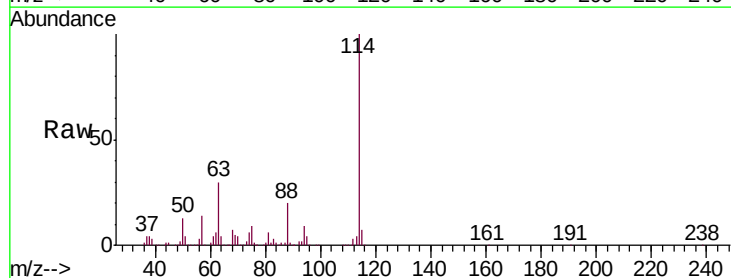
Instrument :
MSVOA_L
ClientSampleId :
CAN 10467

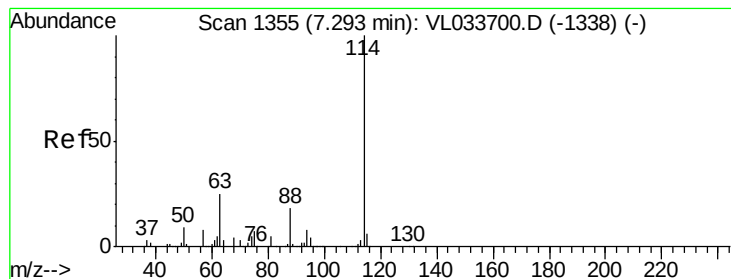
Tgt Ion: 57 Resp: 8961
Ion Ratio Lower Upper
57 100
41 111.4 69.8 104.6#
43 78.9 181.8 272.6#
56 66.4 42.1 63.1#



#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.02 min
Lab File: VL033729.D
Acq: 20 May 2019 18:14

Tgt Ion: 84 Resp: 3608
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 28.0 66.0 99.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033729.D

Acq: 20 May 2019 18:14

Instrument :

MSVOA_L

ClientSampleId :

CAN 10467

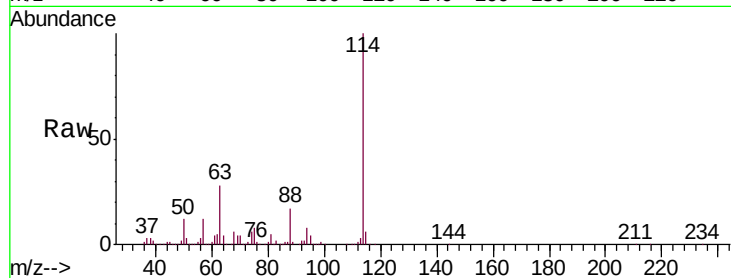
Tgt Ion: 114 Resp: 2137420

Ion Ratio Lower Upper

114 100

63 28.2 20.9 31.3

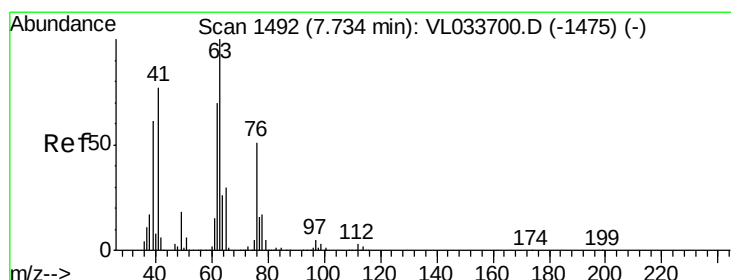
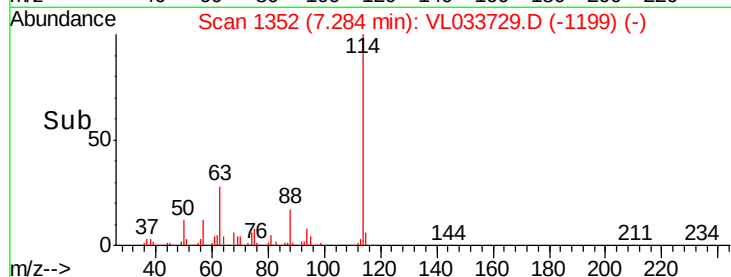
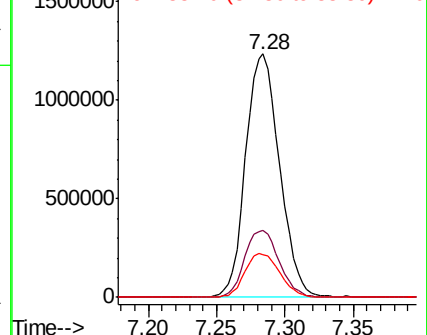
88 18.5 14.3 21.5



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



#39

1,2-Dichloropropane

Concen: 8.263 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033729.D

Acq: 20 May 2019 18:14

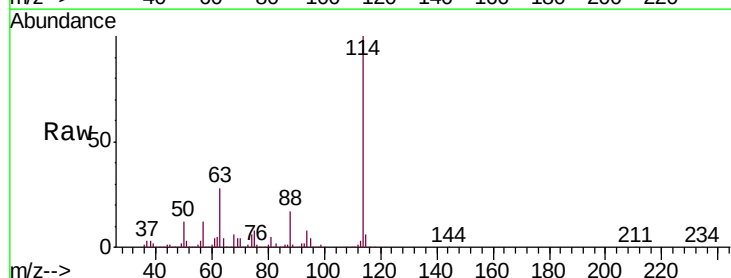
Tgt Ion: 63 Resp: 598998

Ion Ratio Lower Upper

63 100

41 0.1 61.5 92.3#

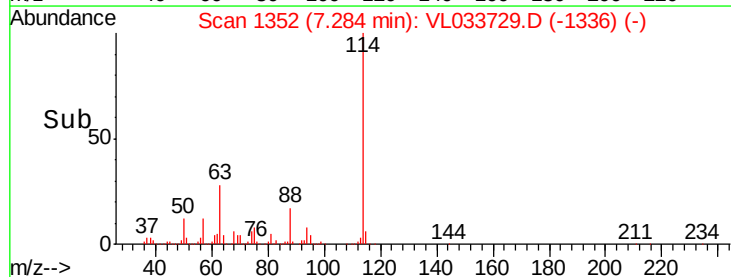
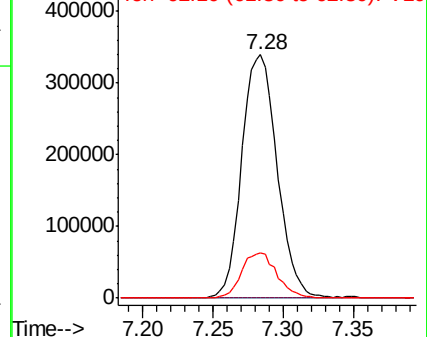
62 18.4 56.2 84.4#

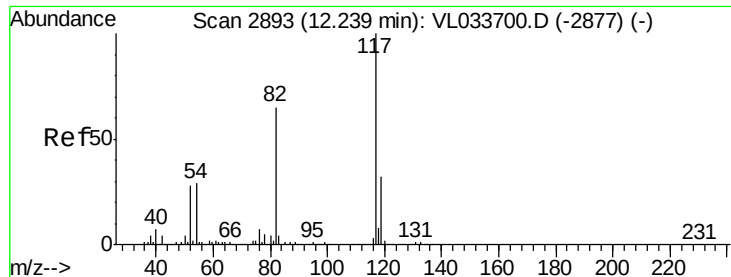


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

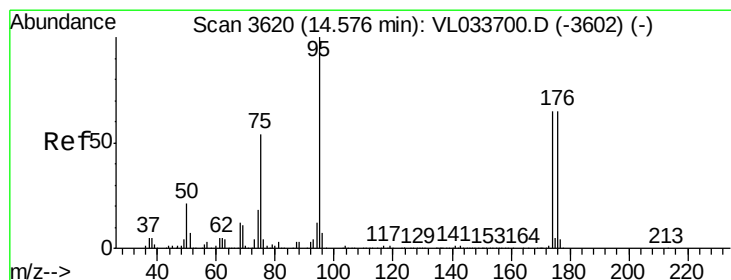
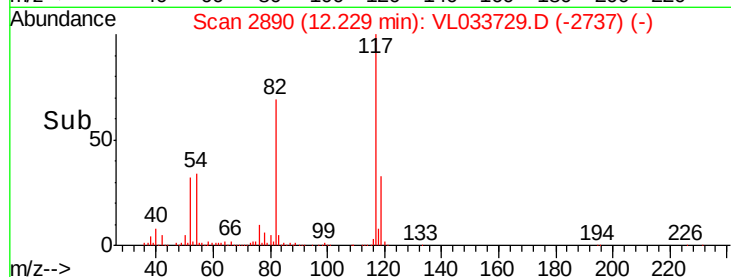
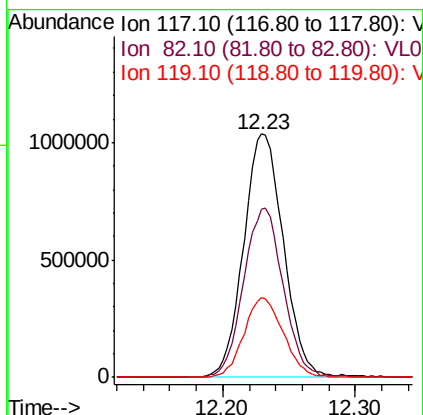
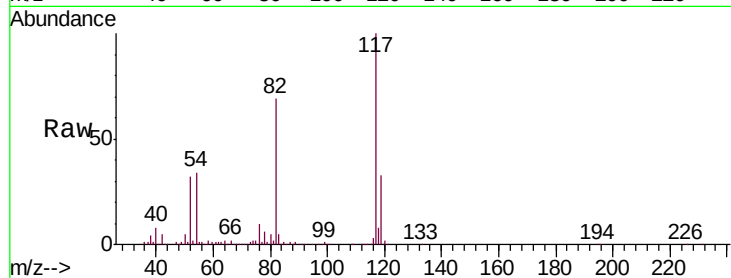




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033729.D
Acq: 20 May 2019 18:14

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Tgt Ion: 117 Resp: 2161126
Ion Ratio Lower Upper
117 100
82 69.7 49.4 74.0
119 32.6 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.293 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033729.D
Acq: 20 May 2019 18:14

Tgt Ion: 95 Resp: 1803294
Ion Ratio Lower Upper
95 100
174 64.0 53.9 80.9
175 4.6 3.8 5.8

