

Data File : VL032703.D
Acq On : 30 Oct 2018 18:06
Operator : SY/AP
Sample : J5702-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DDL

Quant Time: Oct 31 05:10:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1372578	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3333269	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3340988	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2535034 10.19 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.90%

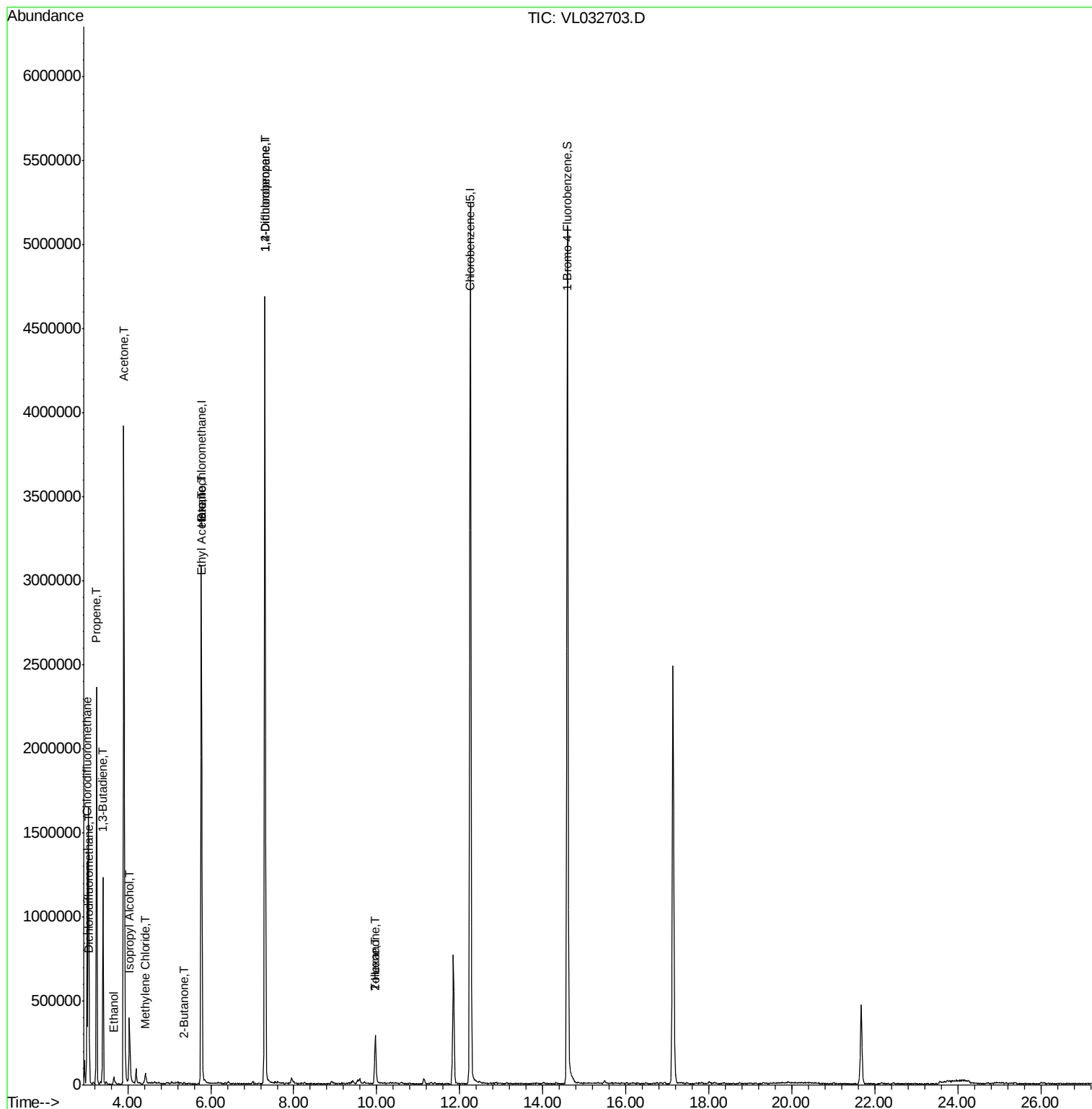
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	4533	0.032	ppbv	91
3) Chlorodifluoromethane	3.02	51	1174679	10.943	ppbv	99
9) Propene	3.25	41	670784	15.185	ppbv	93
13) Ethanol	3.67	45	42274	3.348	ppbv	95
15) Acetone	3.90	43	4101202	32.357	ppbv	99
16) 1,3-Butadiene	3.40	39	148288	3.180	ppbv #	1
19) Isopropyl Alcohol	4.04	45	440370	4.879	ppbv #	93
20) Methylene Chloride	4.42	84	9431	0.147	ppbv	93
25) Ethyl Acetate	5.79	43	43281	0.148	ppbv #	94
26) Hexane	5.79	57	5333	0.039	ppbv #	1
34) 2-Butanone	5.35	43	9202	0.051	ppbv #	86
39) 1,2-Dichloropropane	7.30	63	834813	7.987	ppbv #	26
51) 2-Hexanone	9.96	43	229563	1.167	ppbv #	28
53) Toluene	9.96	91	22675	0.073	ppbv #	33

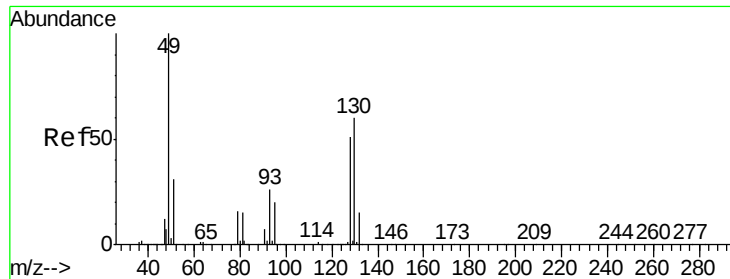
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 31 05:10:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

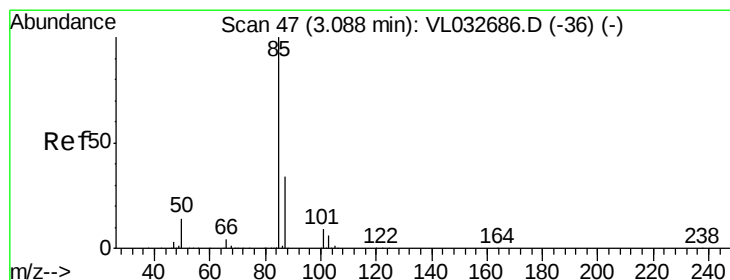
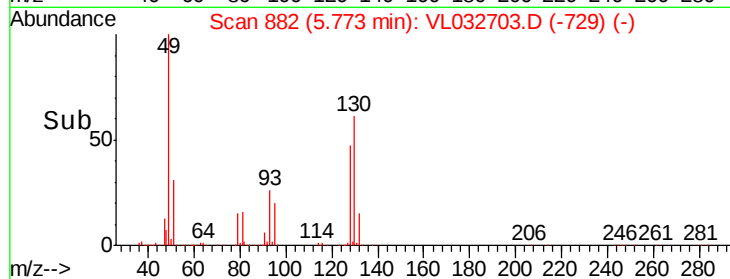
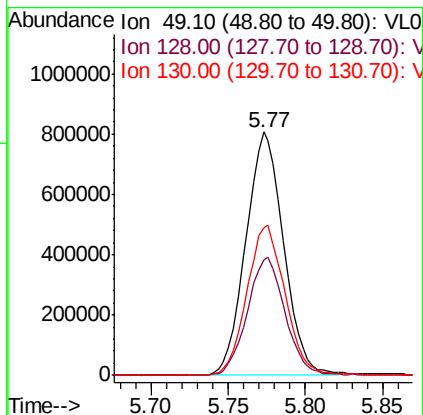
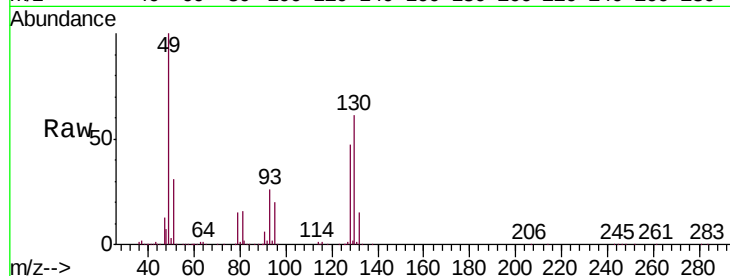




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VL032703.D
 Acq: 30 Oct 2018 18:06

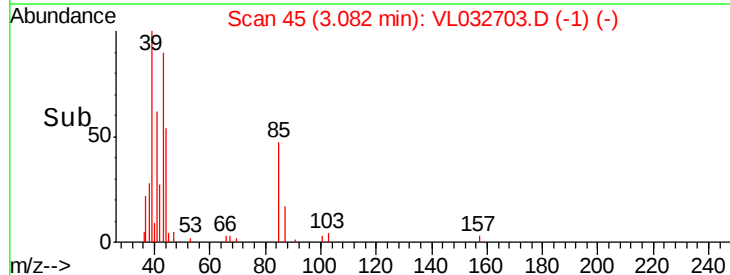
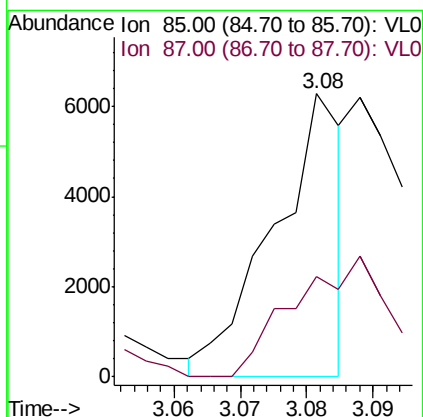
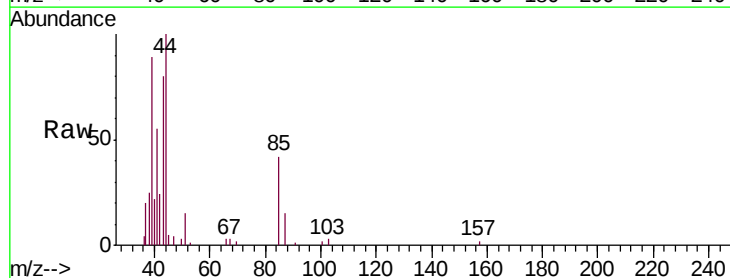
Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1DDL

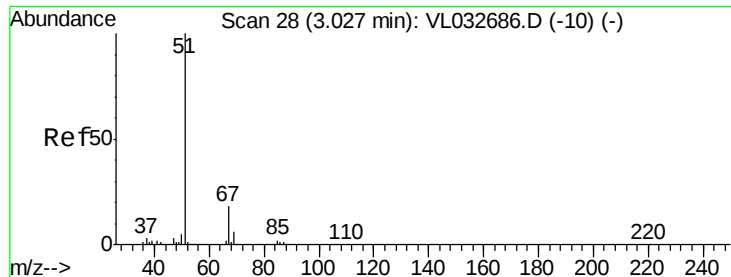
Tgt Ion:	49	Resp:	1372578
Ion	Ratio	Lower	Upper
49	100		
128	49.0	22.3	66.8
130	63.3	28.4	85.3



#2
 Dichlorodifluoromethane
 Concen: 0.032 ppbv
 RT: 3.08 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: VL032703.D
 Acq: 30 Oct 2018 18:06

Tgt Ion:	85	Resp:	4533
Ion	Ratio	Lower	Upper
85	100		
87	38.0	26.2	39.2





#3

Chlorodifluoromethane

Concen: 10.943 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032703.D

Acq: 30 Oct 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

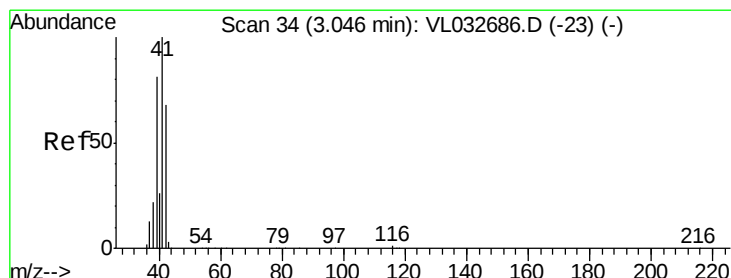
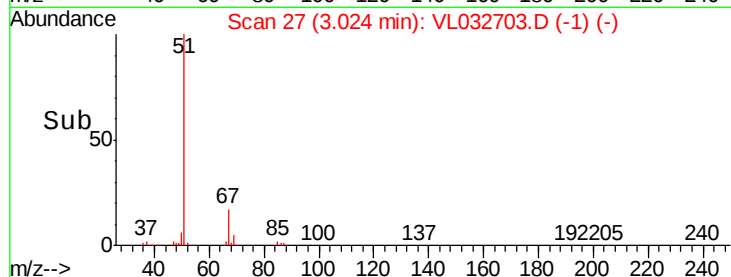
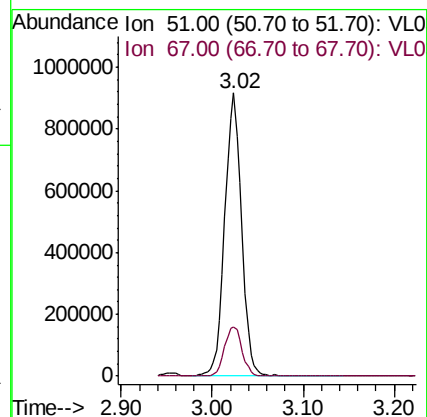
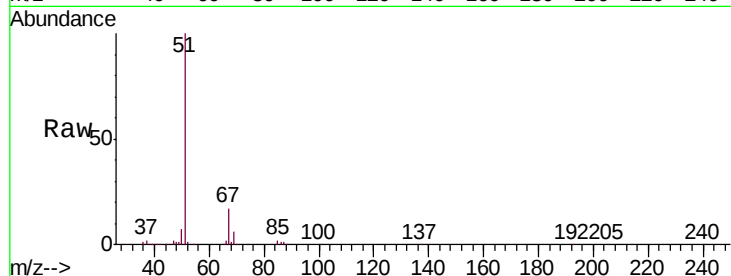
FIA-1DDL

Tgt Ion: 51 Resp: 1174679

Ion Ratio Lower Upper

51 100

67 18.3 15.2 22.8



#9

Propene

Concen: 15.185 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032703.D

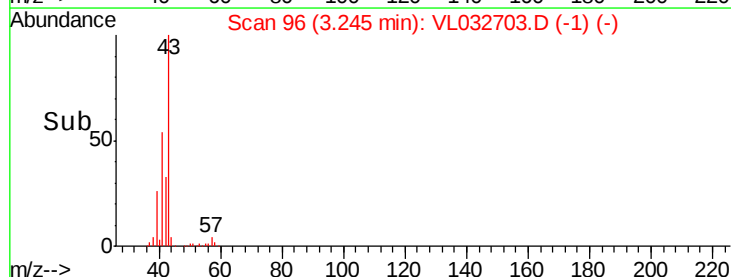
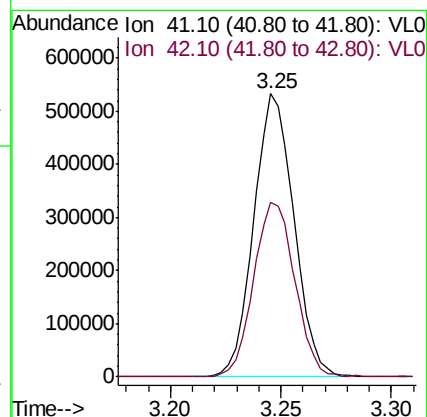
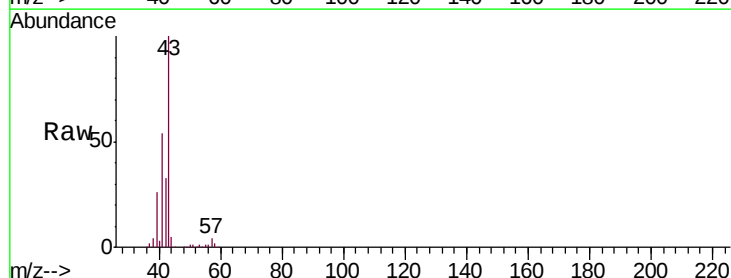
Acq: 30 Oct 2018 18:06

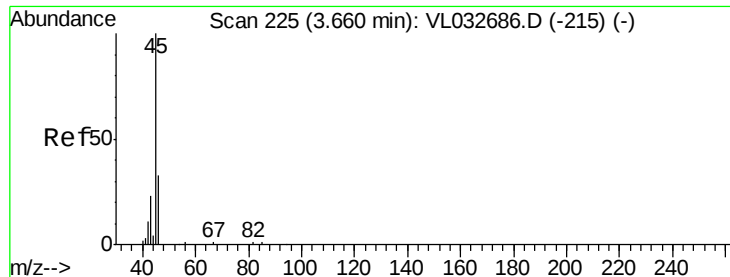
Tgt Ion: 41 Resp: 670784

Ion Ratio Lower Upper

41 100

42 63.5 55.4 83.0

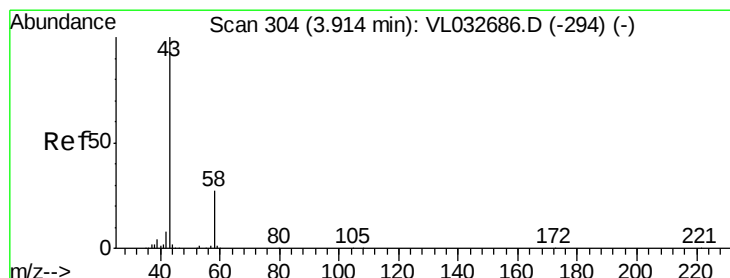
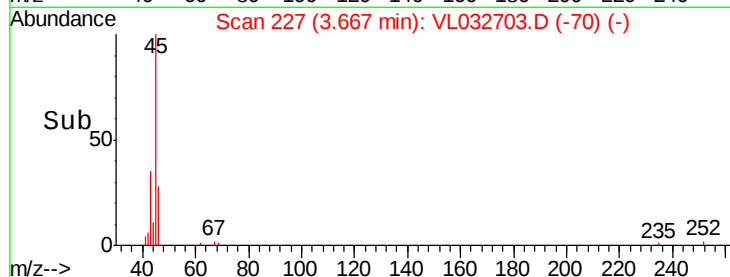
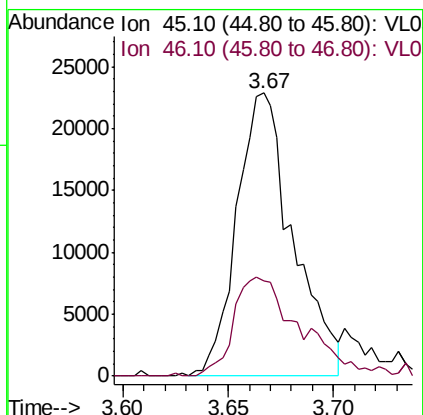
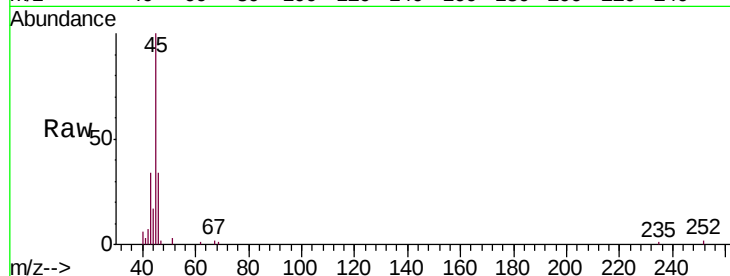




#13
Ethanol
Concen: 3.348 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

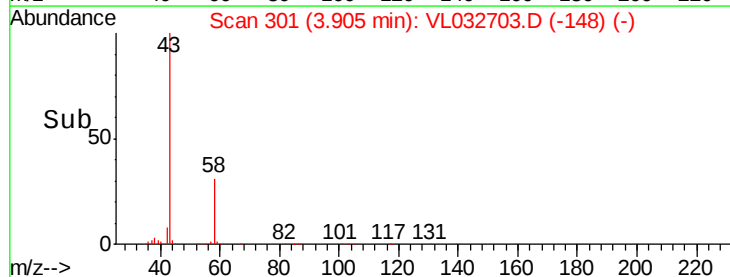
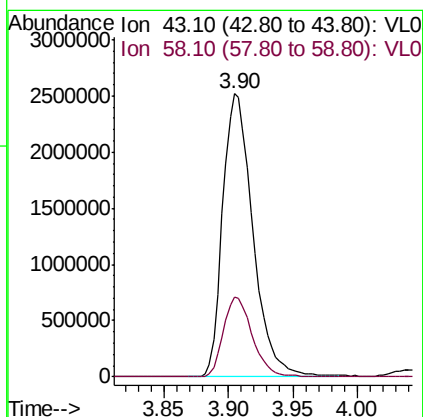
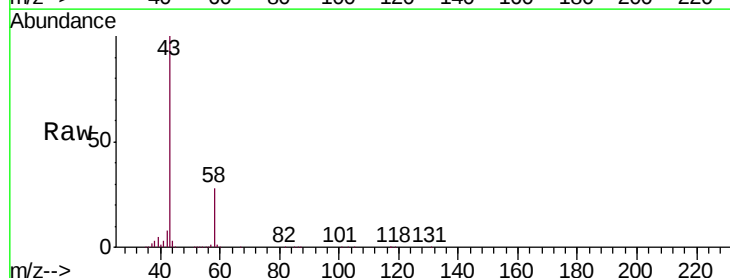
Instrument :
MSVOA_L
ClientSampleId :
FIA-1DDL

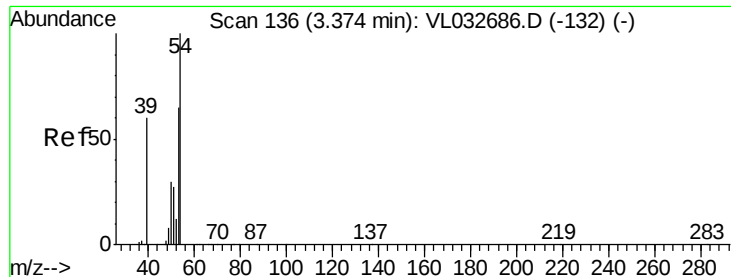
Tgt Ion: 45 Resp: 42274
Ion Ratio Lower Upper
45 100
46 41.9 15.4 61.8



#15
Acetone
Concen: 32.357 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Tgt Ion: 43 Resp: 4101202
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

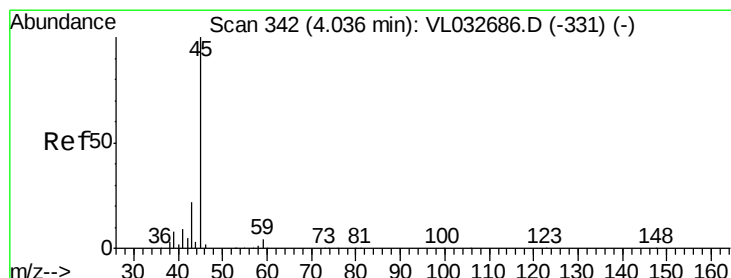
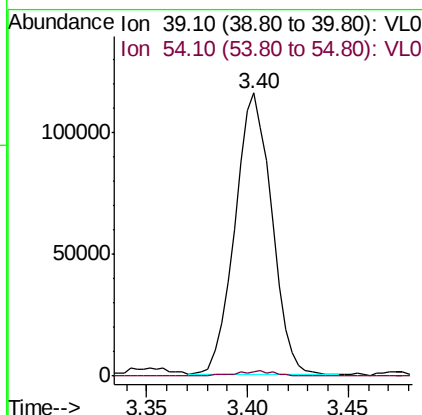
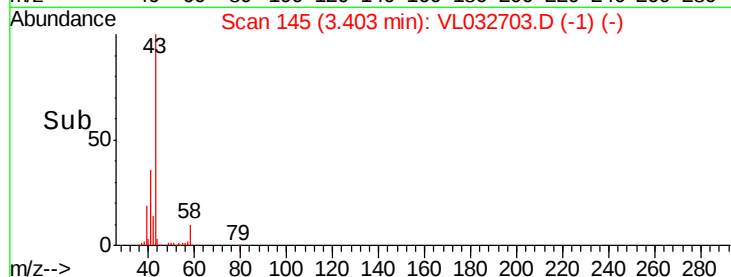
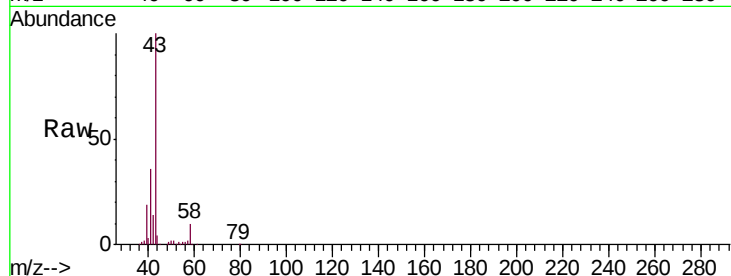




#16
 1,3-Butadiene
 Concen: 3.180 ppbv
 RT: 3.40 min Scan# 145
 Delta R.T. 0.03 min
 Lab File: VL032703.D
 Acq: 30 Oct 2018 18:06

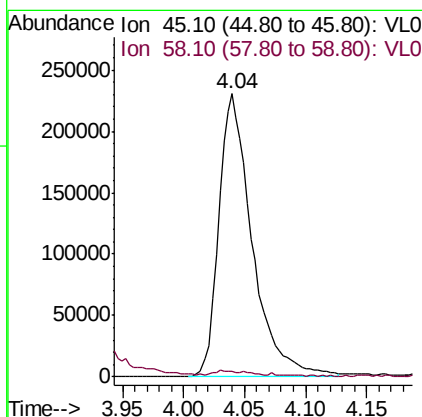
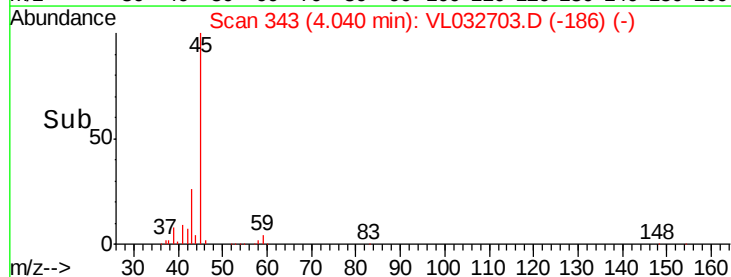
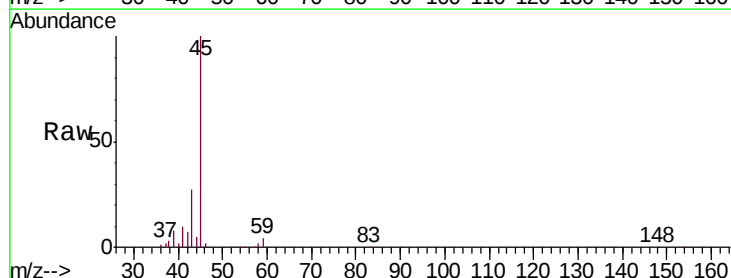
Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1DDL

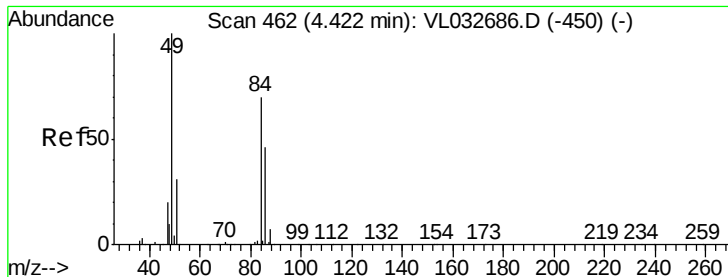
Tgt Ion: 39 Resp: 148288
 Ion Ratio Lower Upper
 39 100
 54 2.1 90.4 135.6#



#19
 Isopropyl Alcohol
 Concen: 4.879 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VL032703.D
 Acq: 30 Oct 2018 18:06

Tgt Ion: 45 Resp: 440370
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.0 3.0#

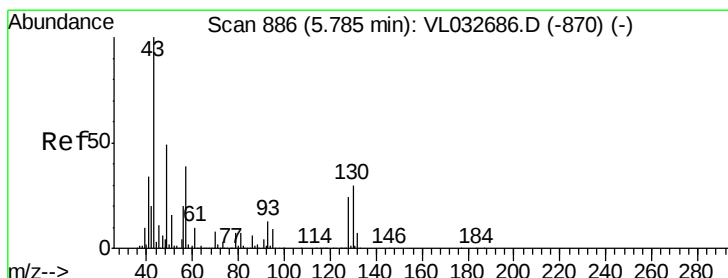
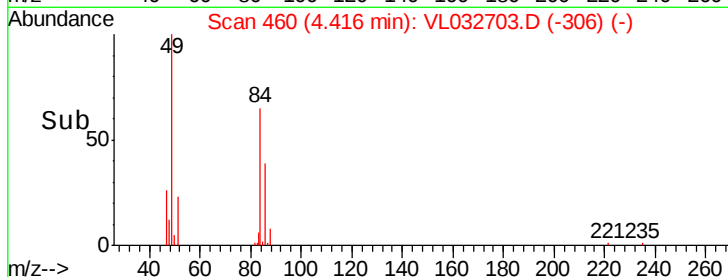
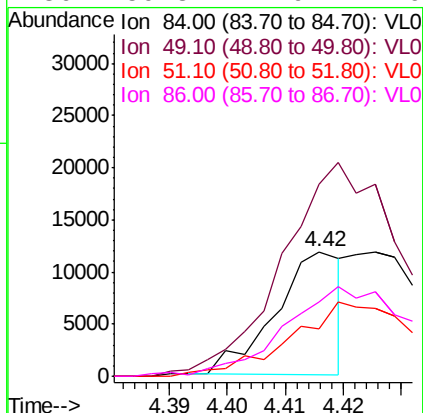
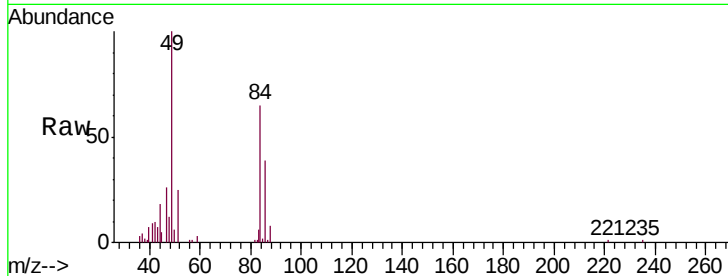




#20
Methylene Chloride
Concen: 0.147 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

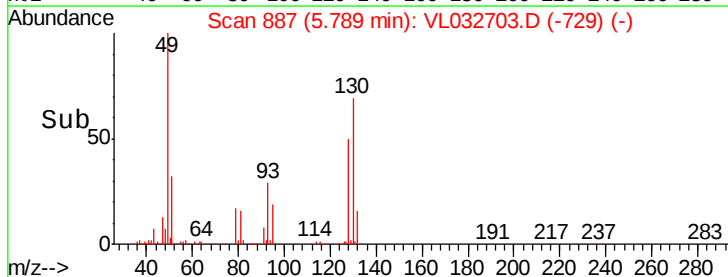
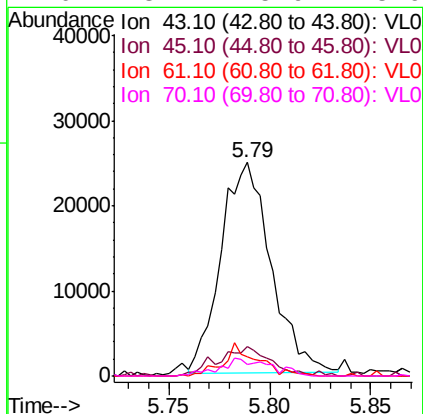
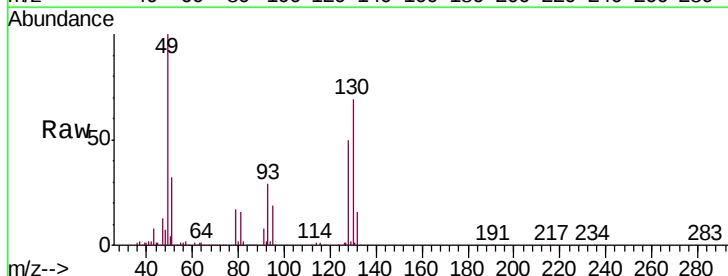
Instrument :
MSVOA_L
ClientSampled :
FIA-1DDL

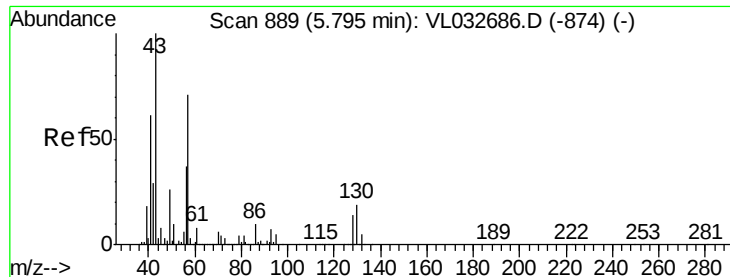
Tgt Ion:	84	Resp:	9431
Ion	Ratio	Lower	Upper
84	100		
49	151.6	113.5	170.3
51	35.9	34.8	52.2
86	59.3	47.9	71.9



#25
Ethyl Acetate
Concen: 0.148 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Tgt Ion:	43	Resp:	43281
Ion	Ratio	Lower	Upper
43	100		
45	15.0	8.0	12.0#
61	10.5	8.0	12.0
70	8.4	5.9	8.9

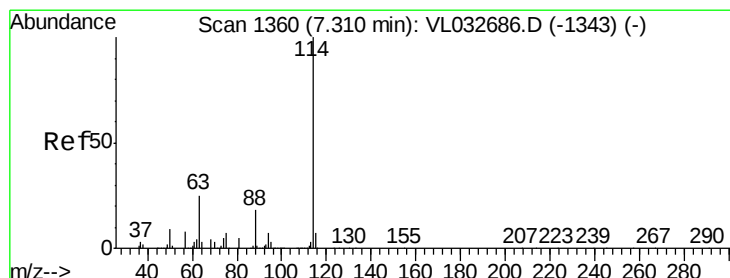
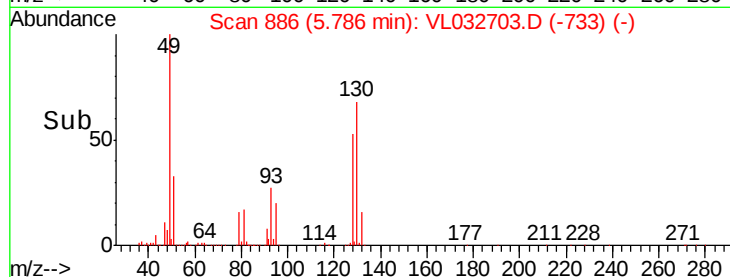
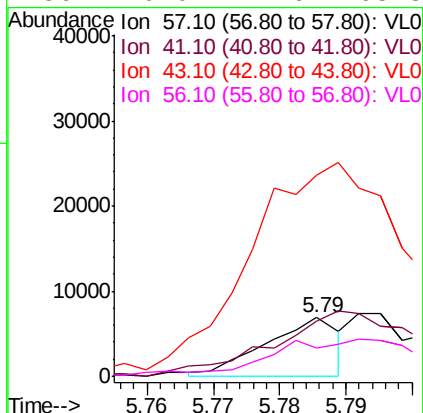
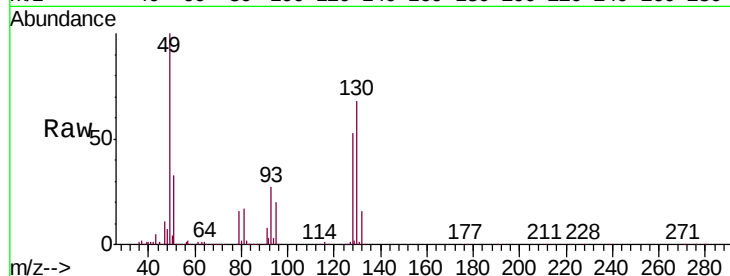




#26
Hexane
Concen: 0.039 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

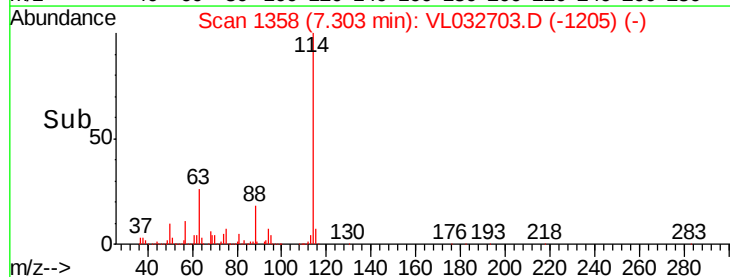
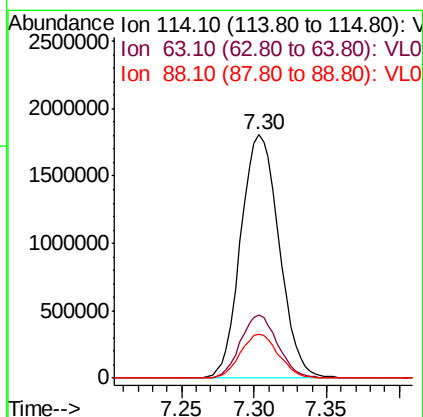
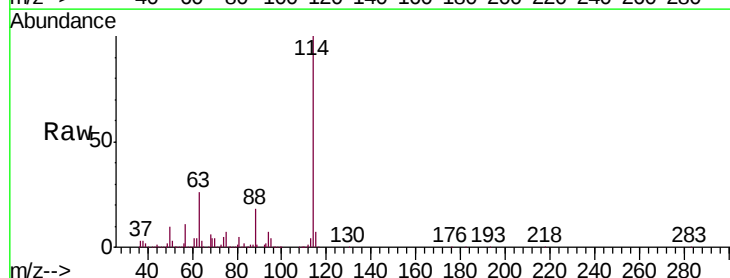
Instrument :
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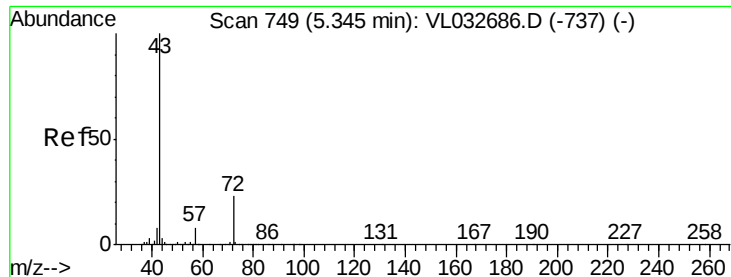
Tgt Ion: 57 Resp: 5333
Ion Ratio Lower Upper
57 100
41 0.0 67.4 101.0#
43 0.0 171.9 257.9#
56 0.0 42.6 63.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Tgt Ion: 114 Resp: 3333269
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 17.9 14.9 22.3

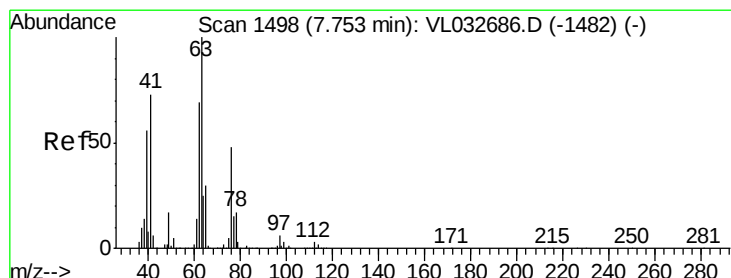
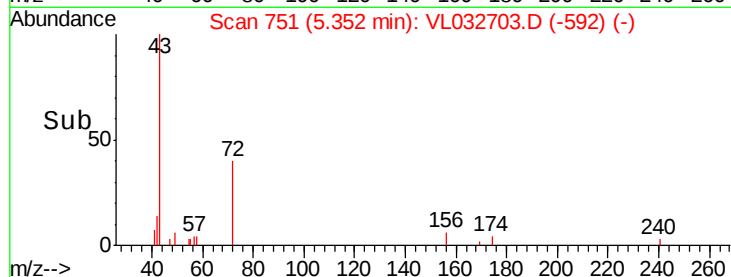
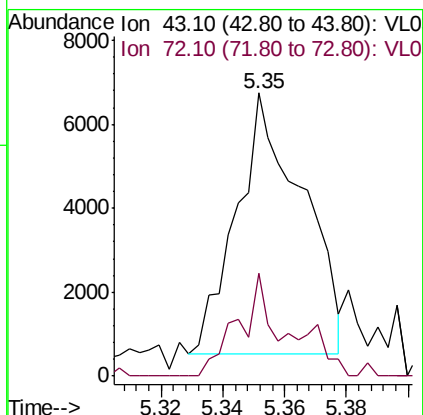
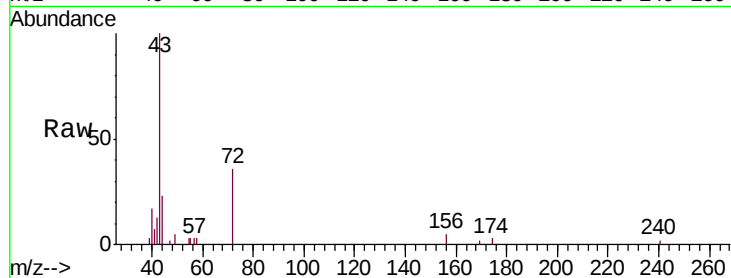




#34
 2-Butanone
 Concen: 0.051 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VL032703.D
 Acq: 30 Oct 2018 18:06

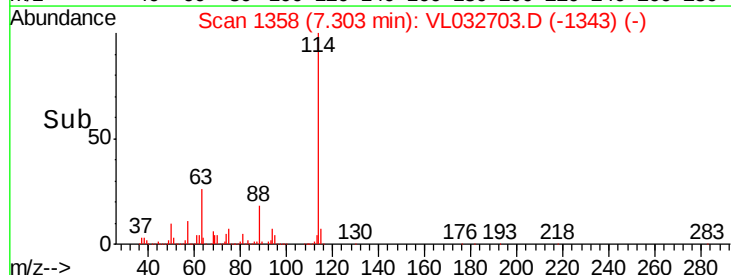
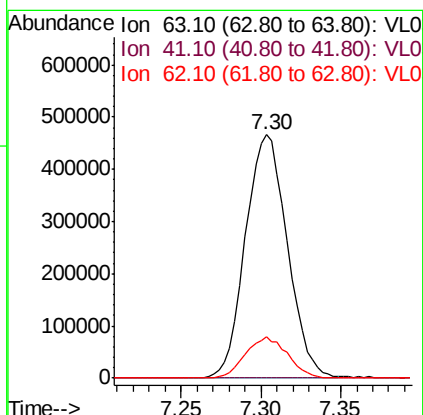
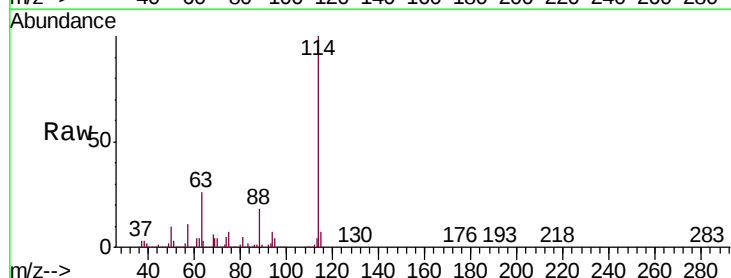
Instrument :
 MSVOA_L
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 FIA-1DDL

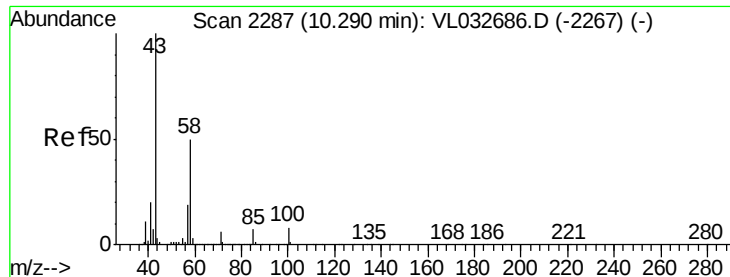
Tgt Ion: 43 Resp: 9202
 Ion Ratio Lower Upper
 43 100
 72 29.9 18.6 27.8#



#39
 1,2-Dichloropropane
 Concen: 7.987 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.45 min
 Lab File: VL032703.D
 Acq: 30 Oct 2018 18:06

Tgt Ion: 63 Resp: 834813
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.2 84.4#
 62 17.1 54.4 81.6#

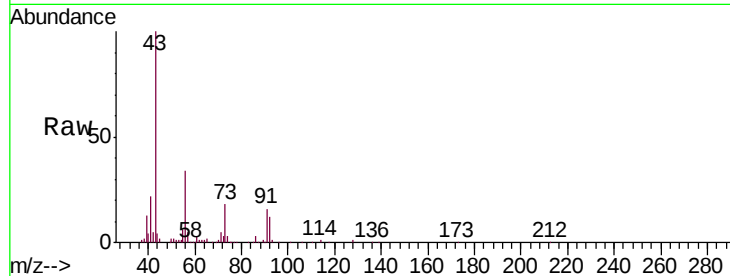




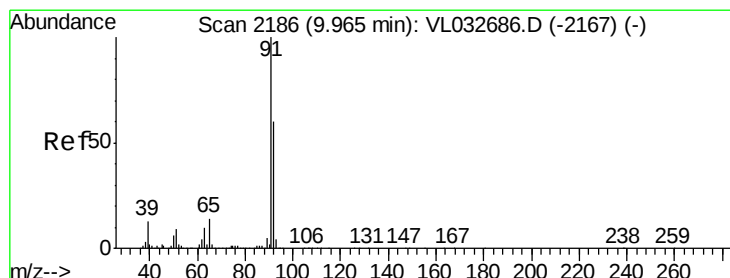
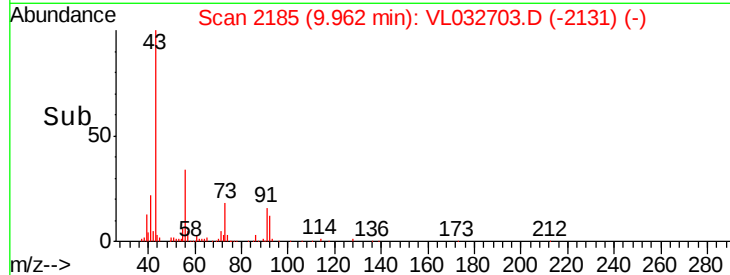
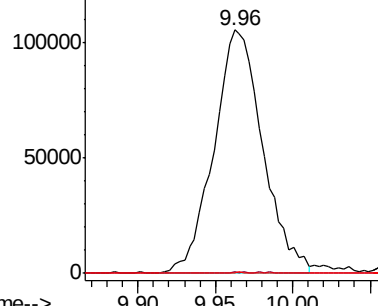
#51
2-Hexanone
Concen: 1.167 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. -0.32 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DDL

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.1	40.4	60.6#
98	0.0	0.4	0.6#

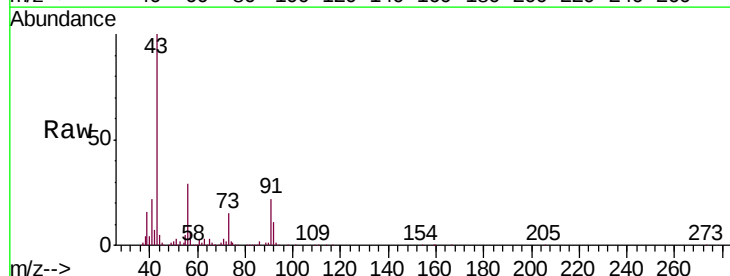


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

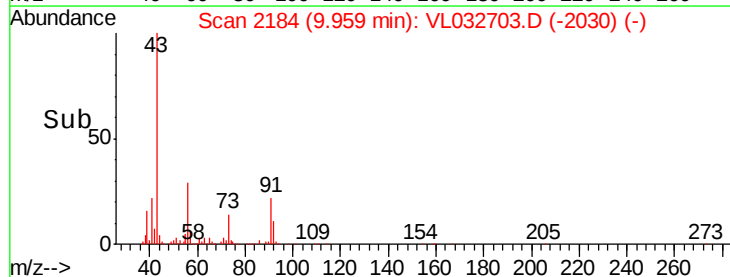
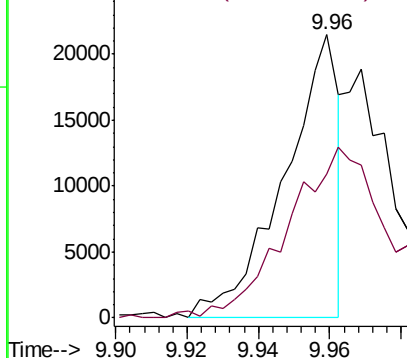


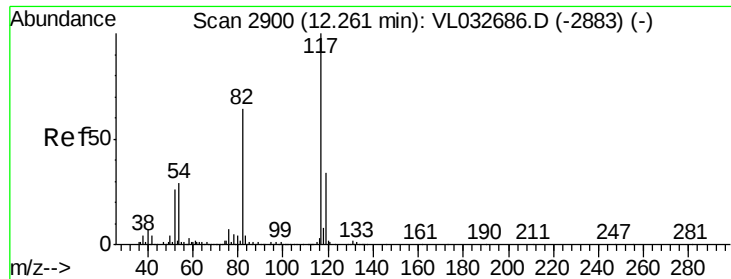
#53
Toluene
Concen: 0.073 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	111.5	48.4	72.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

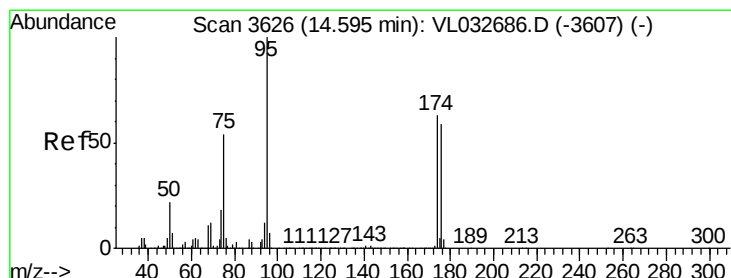
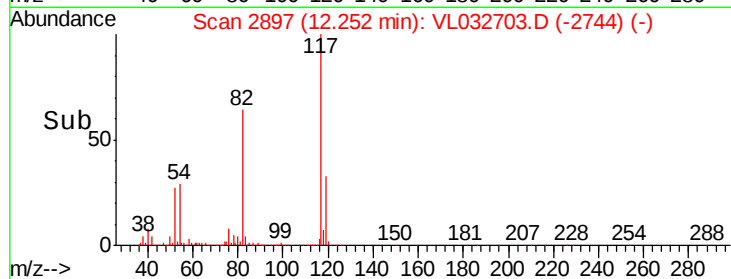
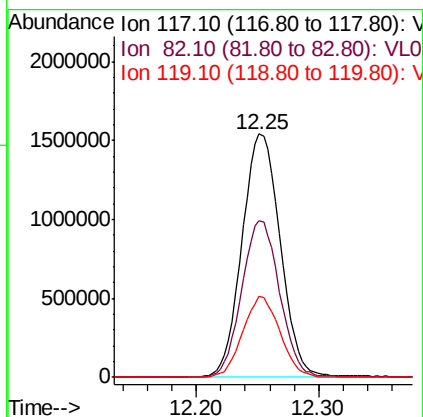
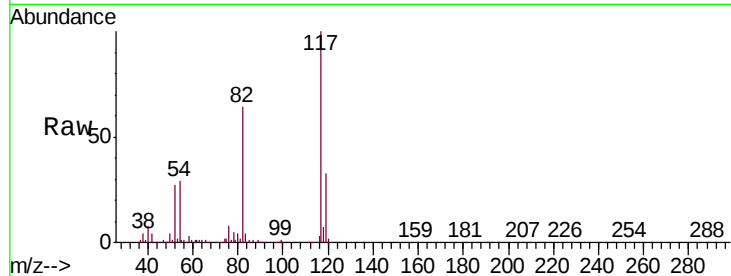




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DDL

Tgt Ion: 117 Resp: 3340988
Ion Ratio Lower Upper
117 100
82 64.1 52.7 79.1
119 32.5 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.191 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032703.D
Acq: 30 Oct 2018 18:06

Tgt Ion: 95 Resp: 2535034
Ion Ratio Lower Upper
95 100
174 63.5 46.0 69.0
175 4.8 3.4 5.0

