

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
 Data File : VL033643.D
 Acq On : 3 May 2019 1:03
 Operator : SY/AP
 Sample : K2628-09DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-9DL

Quant Time: May 03 02:31:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	912268	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2173245	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2284388	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1808319	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

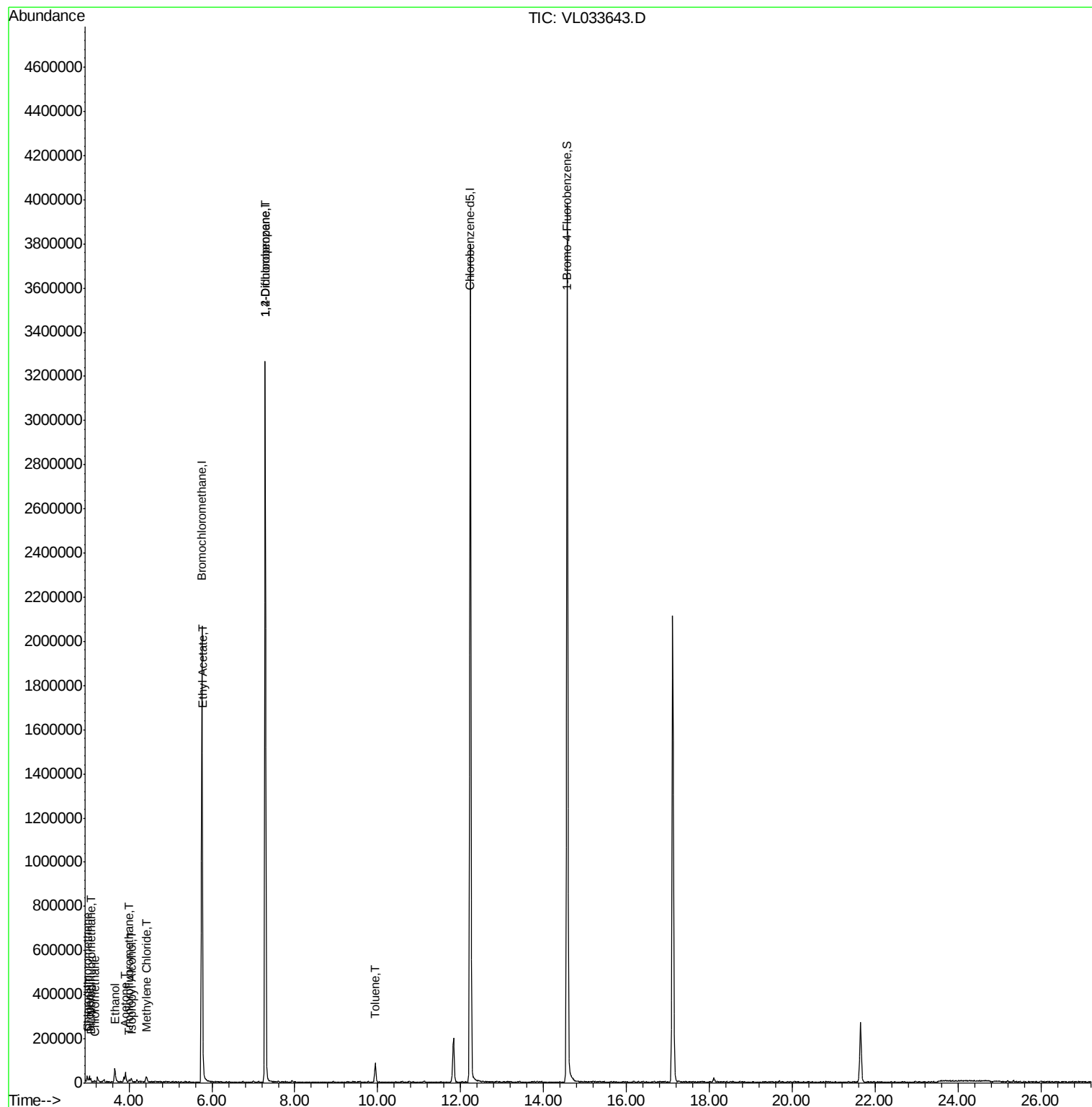
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	10316	0.075	ppbv	96
3) Chlorodifluoromethane	2.99	51	22013	0.202	ppbv #	74
4) Chloromethane	3.17	50	3062	0.052	ppbv	92
9) Propene	3.05	41	2999	0.096	ppbv #	66
11) Trichlorofluoromethane	4.00	101	2189	0.013	ppbv #	63
13) Ethanol	3.65	45	59634	4.211	ppbv	99
15) Acetone	3.91	43	43123	0.388	ppbv	96
19) Isopropyl Alcohol	4.05	45	11679	0.153	ppbv #	91
20) Methylene Chloride	4.41	84	5603	0.129	ppbv #	87
25) Ethyl Acetate	5.78	43	4222	0.020	ppbv #	85
39) 1,2-Dichloropropane	7.28	63	583819	8.361	ppbv #	24
53) Toluene	9.94	91	60670	0.260	ppbv	96

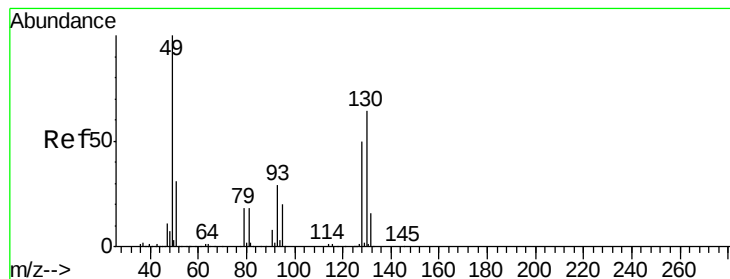
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
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QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033643.D

Acq: 3 May 2019 1:03

Instrument :

MSVOA_L

ClientSampleId :

A-9DL

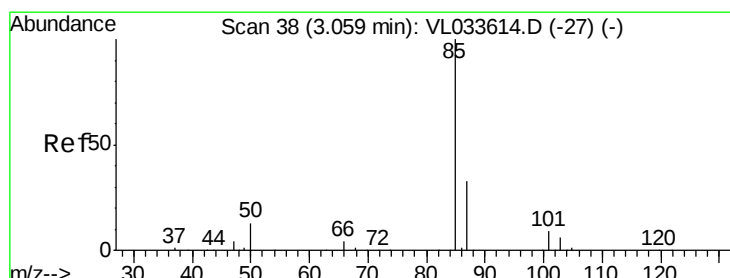
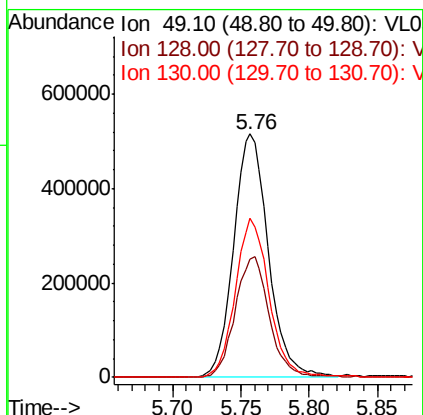
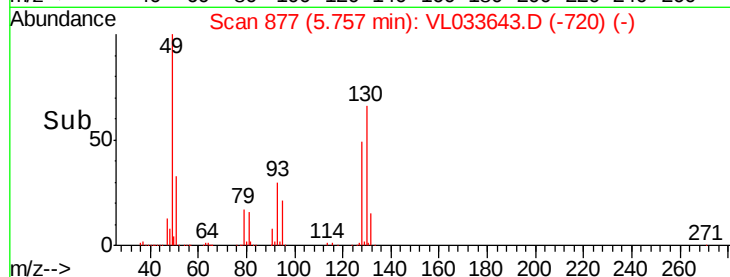
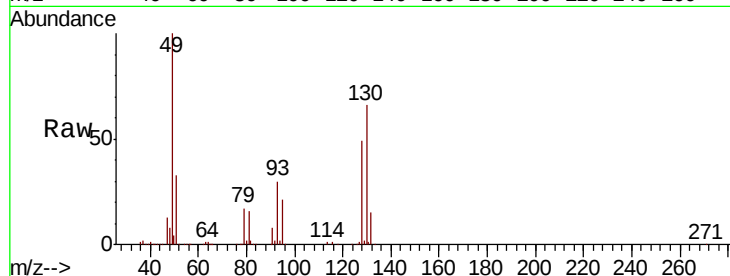
Tgt Ion: 49 Resp: 912268

Ion Ratio Lower Upper

49 100

128 49.0 25.0 75.0

130 63.8 31.9 95.9



#2

Dichlorodifluoromethane

Concen: 0.075 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.02 min

Lab File: VL033643.D

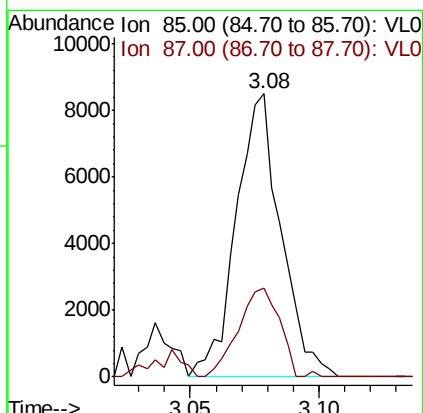
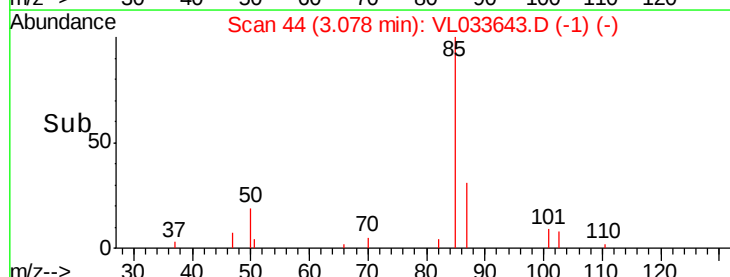
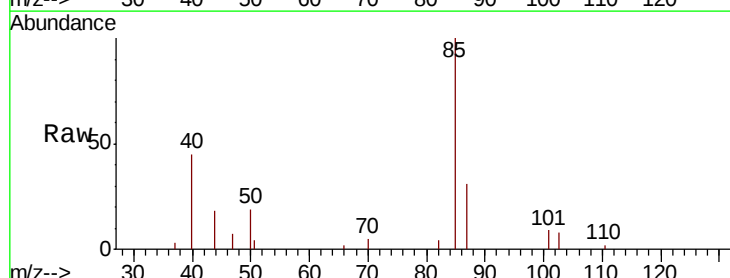
Acq: 3 May 2019 1:03

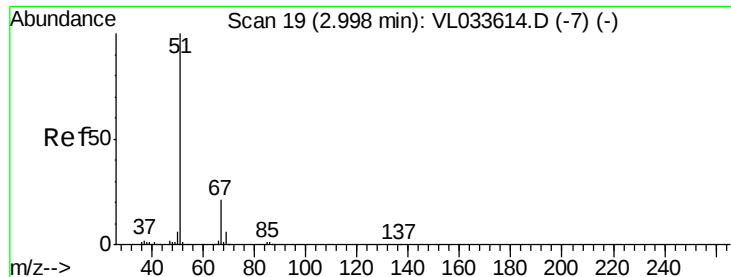
Tgt Ion: 85 Resp: 10316

Ion Ratio Lower Upper

85 100

87 31.4 26.8 40.2

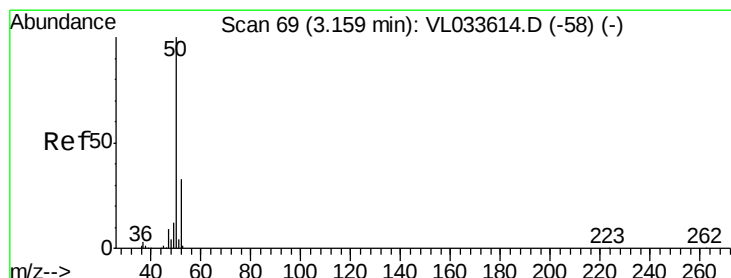
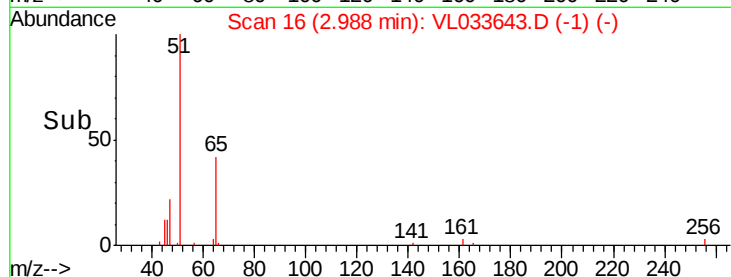
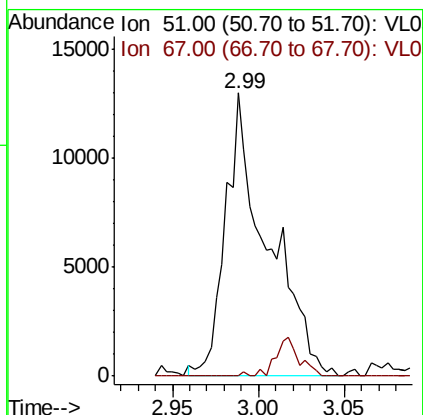
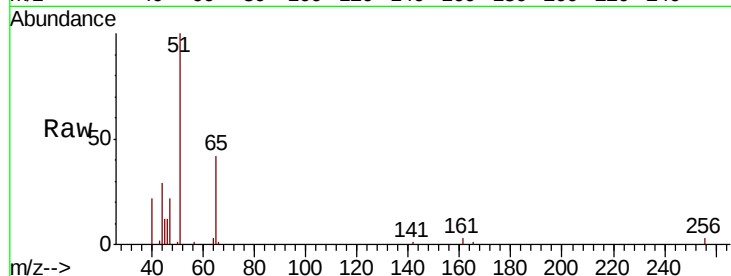




#3
 Chlorodifluoromethane
 Concen: 0.202 ppbv
 RT: 2.99 min Scan# 16
 Delta R.T. -0.01 min
 Lab File: VL033643.D
 Acq: 3 May 2019 1:03

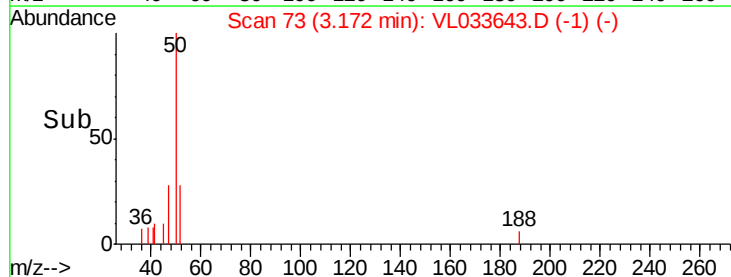
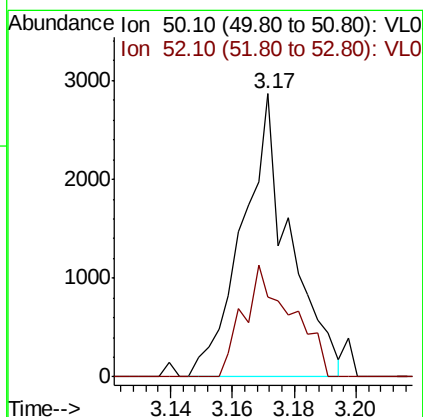
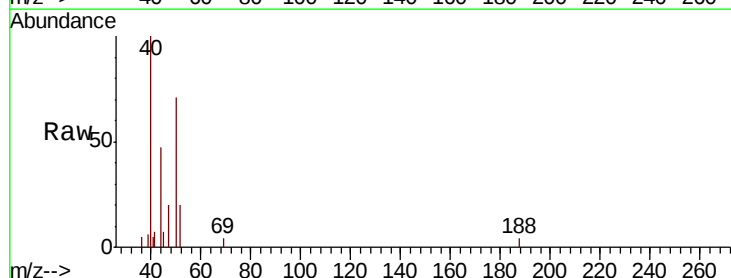
Instrument :
 MSVOA_L
 ClientSampleID :
 A-9DL

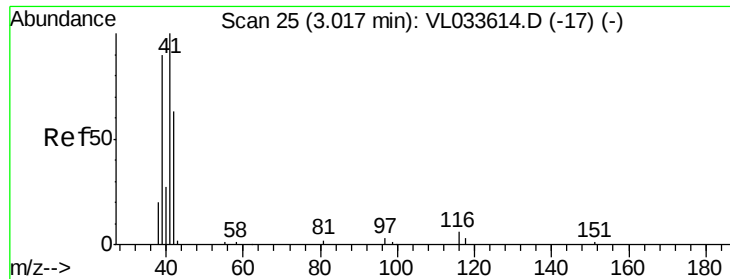
Tgt Ion: 51 Resp: 22013
 Ion Ratio Lower Upper
 51 100
 67 7.6 15.6 23.4#



#4
 Chloromethane
 Concen: 0.052 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL033643.D
 Acq: 3 May 2019 1:03

Tgt Ion: 50 Resp: 3062
 Ion Ratio Lower Upper
 50 100
 52 28.3 26.0 39.0





#9

Propene

Concen: 0.096 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.03 min

Lab File: VL033643.D

Acq: 3 May 2019 1:03

Instrument :

MSVOA_L

ClientSampleId :

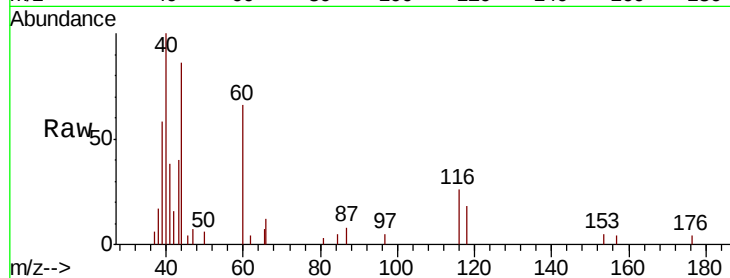
A-9DL

Tgt Ion: 41 Resp: 2999

Ion Ratio Lower Upper

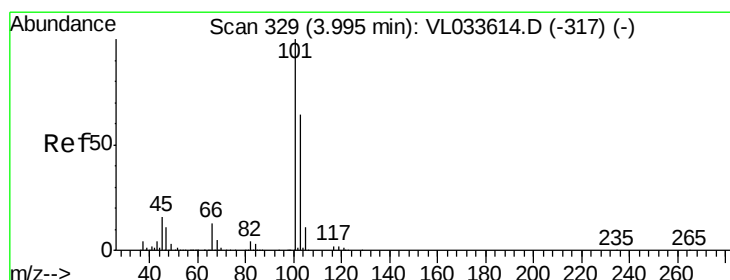
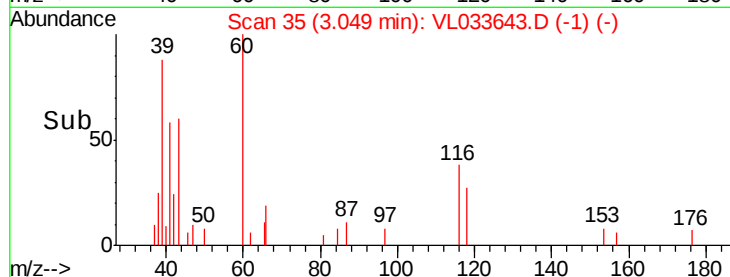
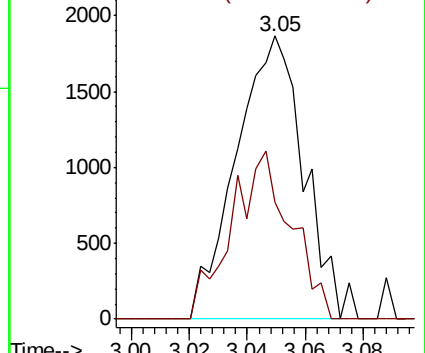
41 100

42 52.4 66.0 99.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.013 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL033643.D

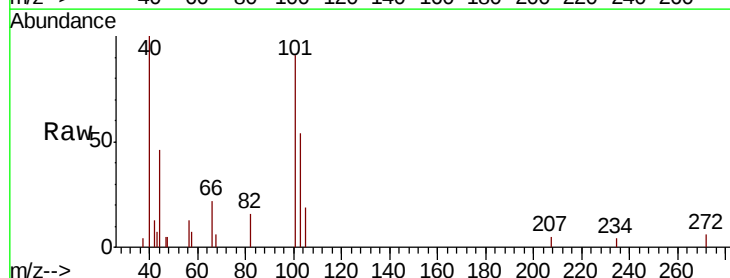
Acq: 3 May 2019 1:03

Tgt Ion: 101 Resp: 2189

Ion Ratio Lower Upper

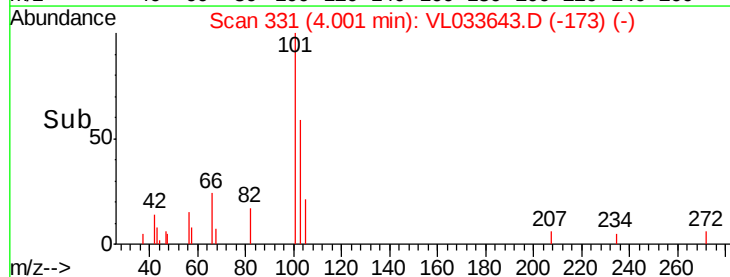
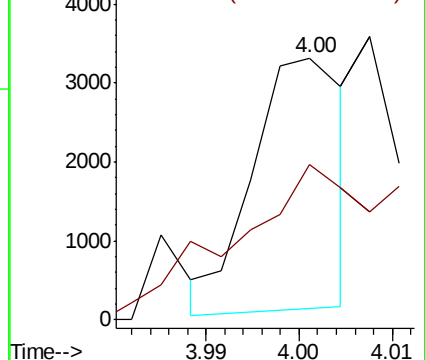
101 100

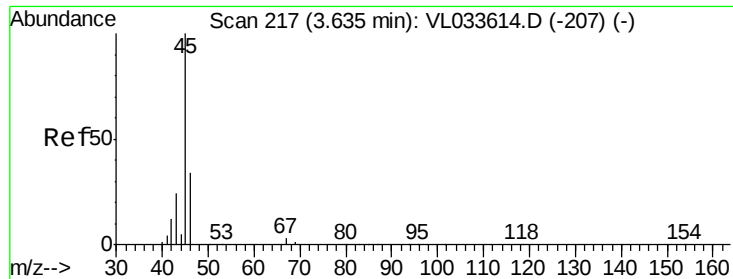
103 34.8 51.2 76.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 4.211 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.02 min

Lab File: VL033643.D

Acq: 3 May 2019 1:03

Instrument :

MSVOA_L

ClientSampleId :

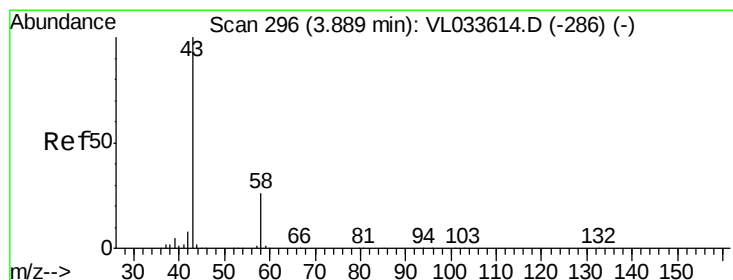
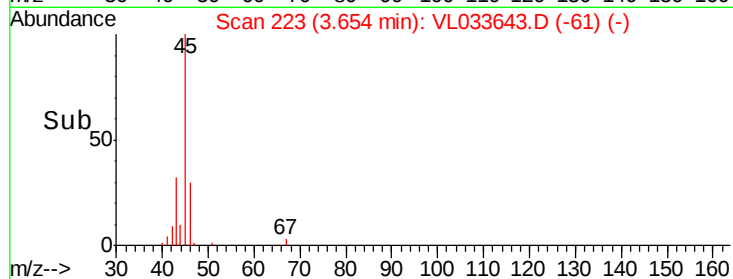
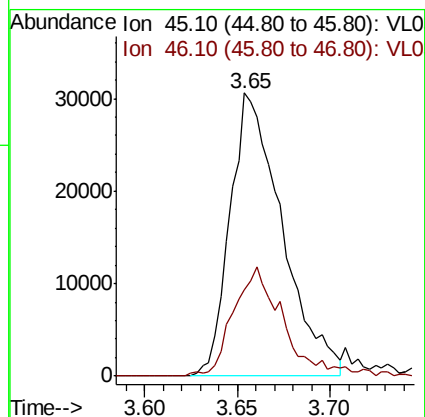
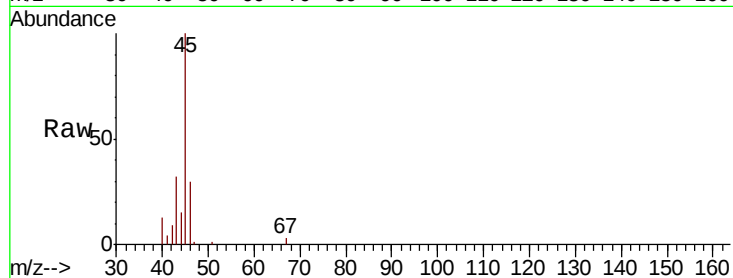
A-9DL

Tgt Ion: 45 Resp: 59634

Ion Ratio Lower Upper

45 100

46 37.2 14.6 58.2



#15

Acetone

Concen: 0.388 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL033643.D

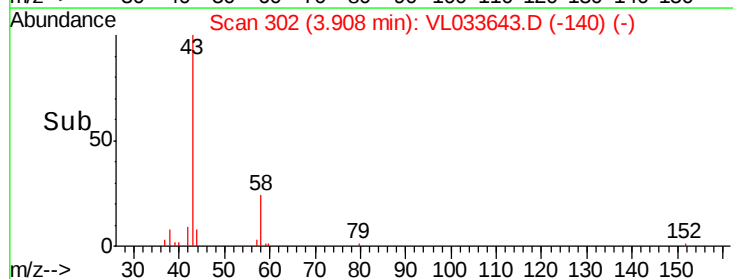
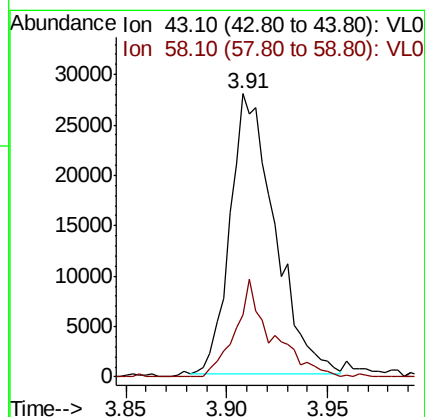
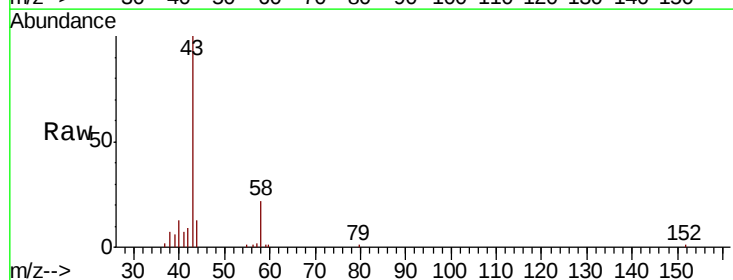
Acq: 3 May 2019 1:03

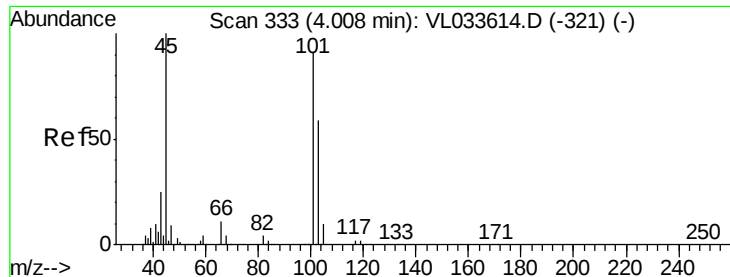
Tgt Ion: 43 Resp: 43123

Ion Ratio Lower Upper

43 100

58 28.6 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.153 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.04 min

Lab File: VL033643.D

Acq: 3 May 2019 1:03

Instrument :

MSVOA_L

ClientSampleId :

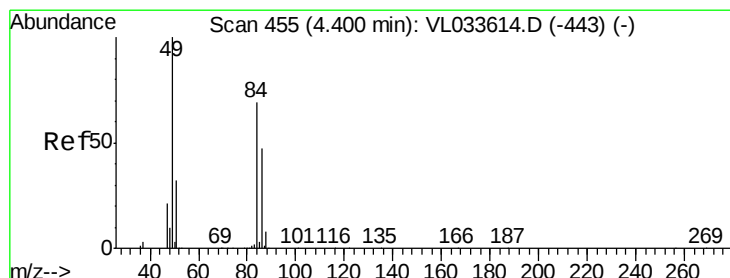
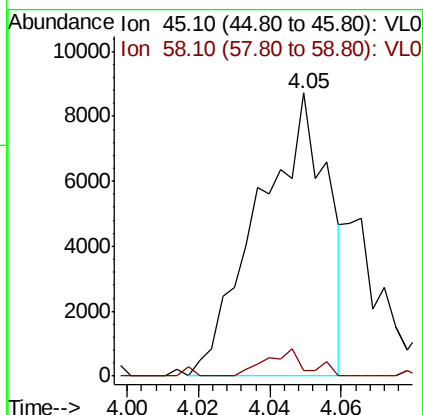
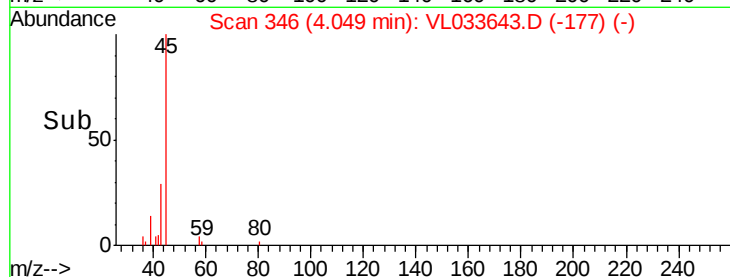
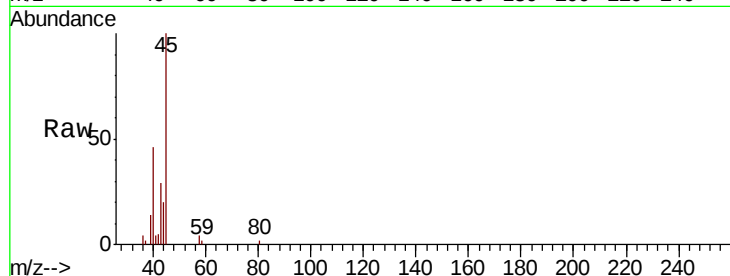
A-9DL

Tgt Ion: 45 Resp: 11679

Ion Ratio Lower Upper

45 100

58 5.5 1.8 2.6#



#20

Methylene Chloride

Concen: 0.129 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.01 min

Lab File: VL033643.D

Acq: 3 May 2019 1:03

Tgt Ion: 84 Resp: 5603

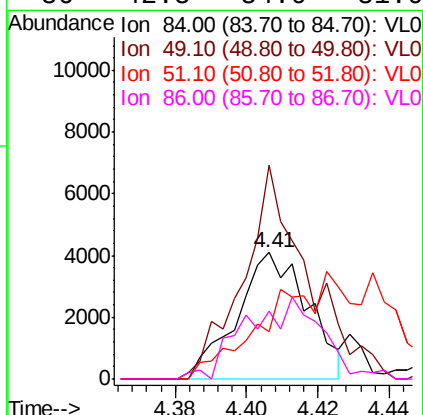
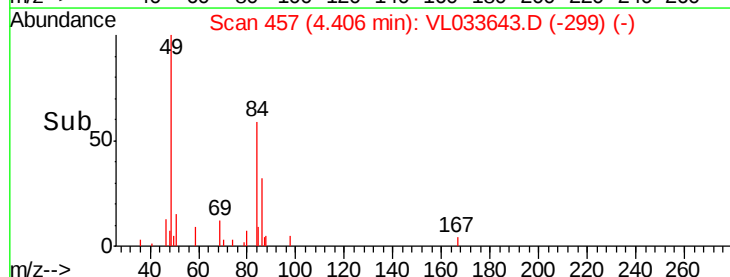
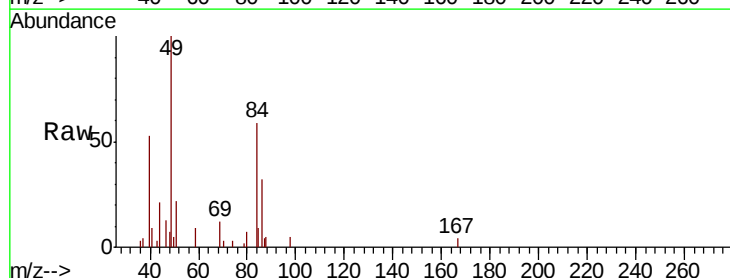
Ion Ratio Lower Upper

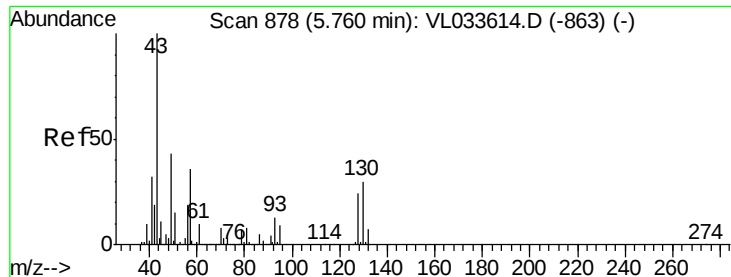
84 100

49 141.8 116.2 174.2

51 32.1 37.0 55.6#

86 42.5 54.0 81.0#

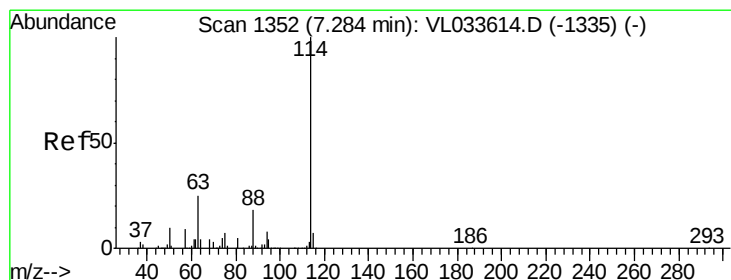
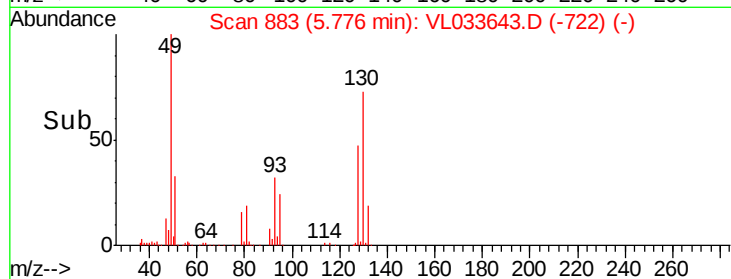
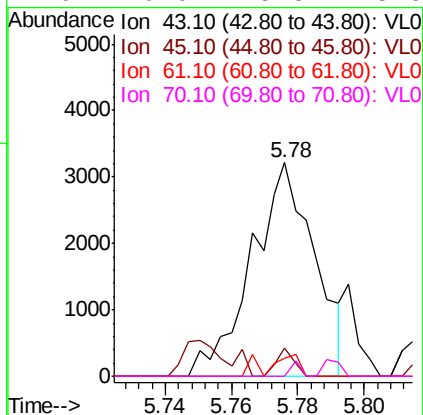
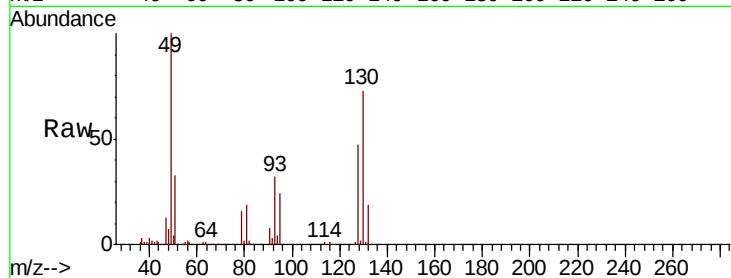




#25
Ethyl Acetate
Concen: 0.020 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.02 min
Lab File: VL033643.D
Acq: 3 May 2019 1:03

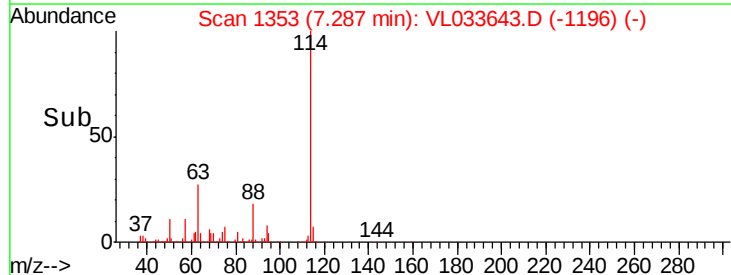
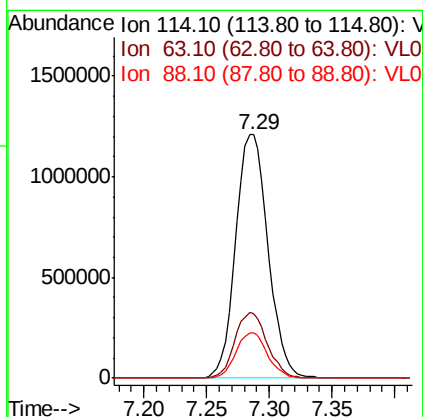
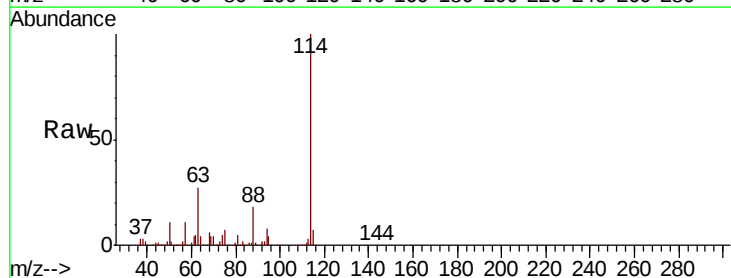
Instrument :
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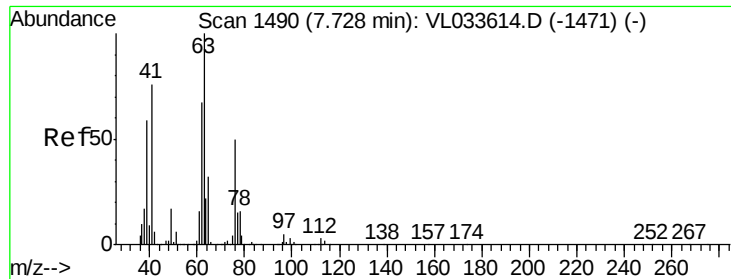
Tgt Ion:	43	Resp:	4222
Ion	Ratio	Lower	Upper
43	100		
45	15.2	8.1	12.1#
61	5.2	7.5	11.3#
70	0.0	5.8	8.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033643.D
Acq: 3 May 2019 1:03

Tgt Ion:	114	Resp:	2173245
Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.1	31.7
88	18.2	14.2	21.4

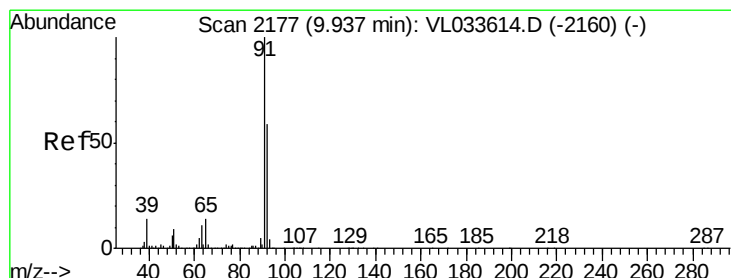
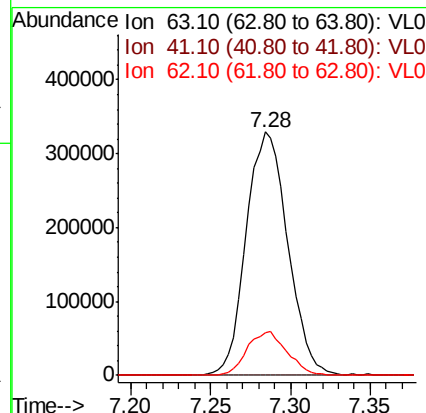
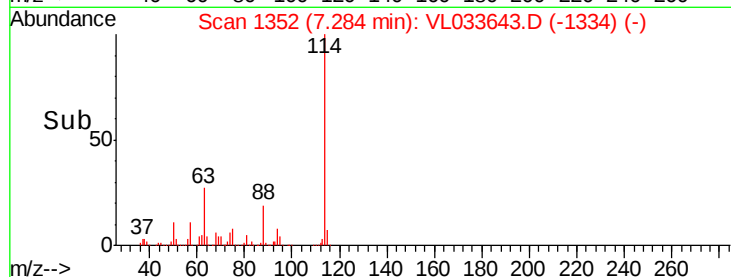
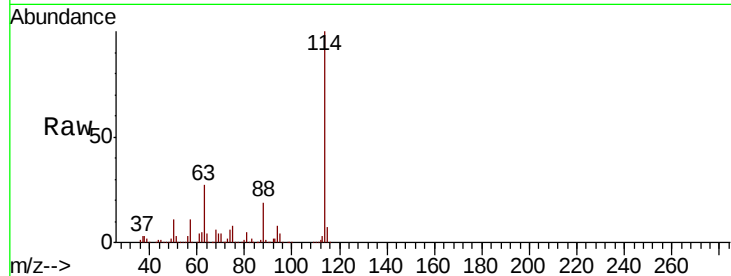




#39
 1,2-Dichloropropane
 Concen: 8.361 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.44 min
 Lab File: VL033643.D
 Acq: 3 May 2019 1:03

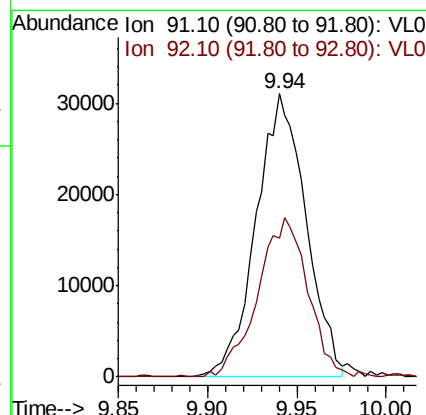
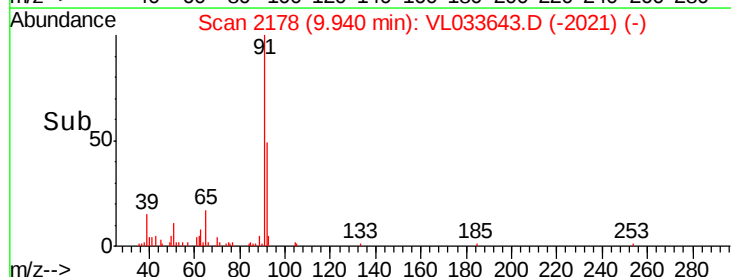
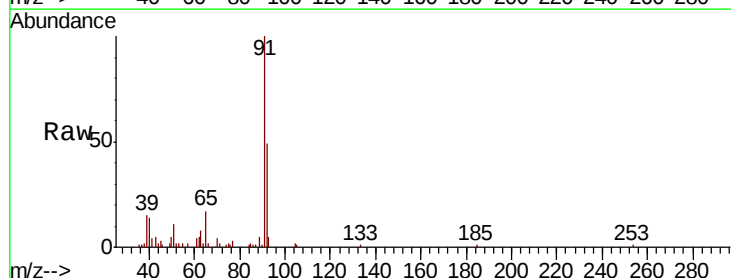
Instrument :
 MSVOA_L
 ClientSampleId :
 A-9DL

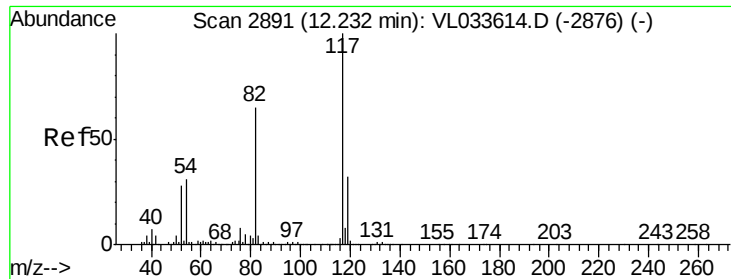
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.9	91.3#
62	17.4	53.3	79.9#



#53
 Toluene
 Concen: 0.260 ppbv
 RT: 9.94 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VL033643.D
 Acq: 3 May 2019 1:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	47.8	71.6

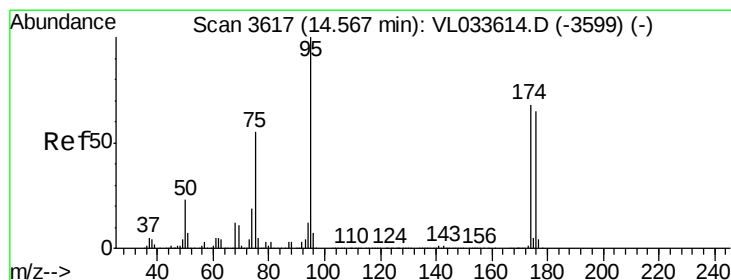
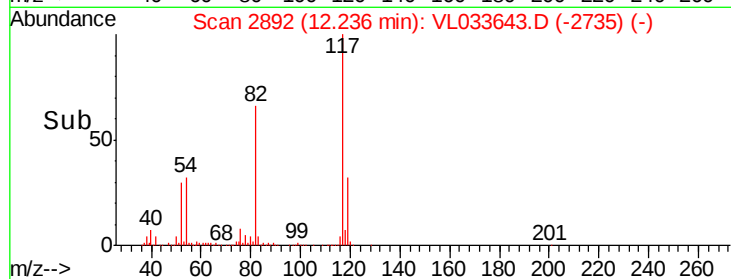
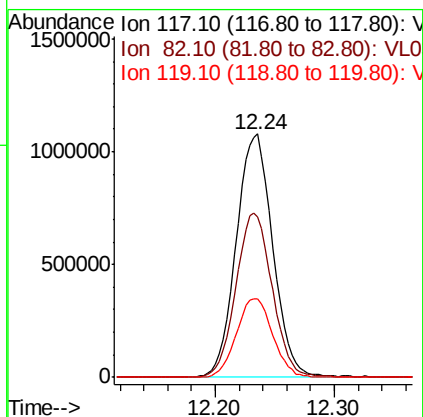
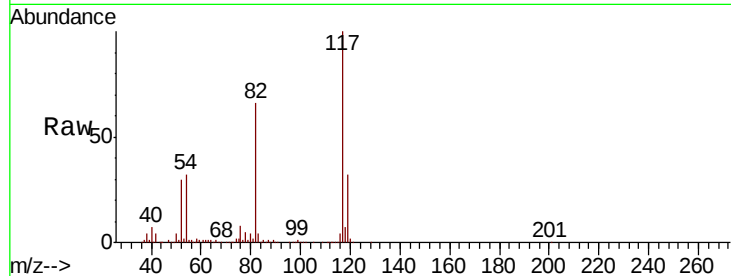




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033643.D
Acq: 3 May 2019 1:03

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 117 Resp: 2284388
Ion Ratio Lower Upper
117 100
82 67.9 52.6 78.8
119 32.4 28.3 42.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.398 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033643.D
Acq: 3 May 2019 1:03

Tgt Ion: 95 Resp: 1808319
Ion Ratio Lower Upper
95 100
174 66.5 53.9 80.9
175 4.8 4.0 6.0

