

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
 Data File : VL033624.D
 Acq On : 2 May 2019 12:04
 Operator : SY/AP
 Sample : VL0502ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABL01

Quant Time: May 03 02:26:47 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	5.75	49	1092194	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2617012	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2650903	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2149725	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

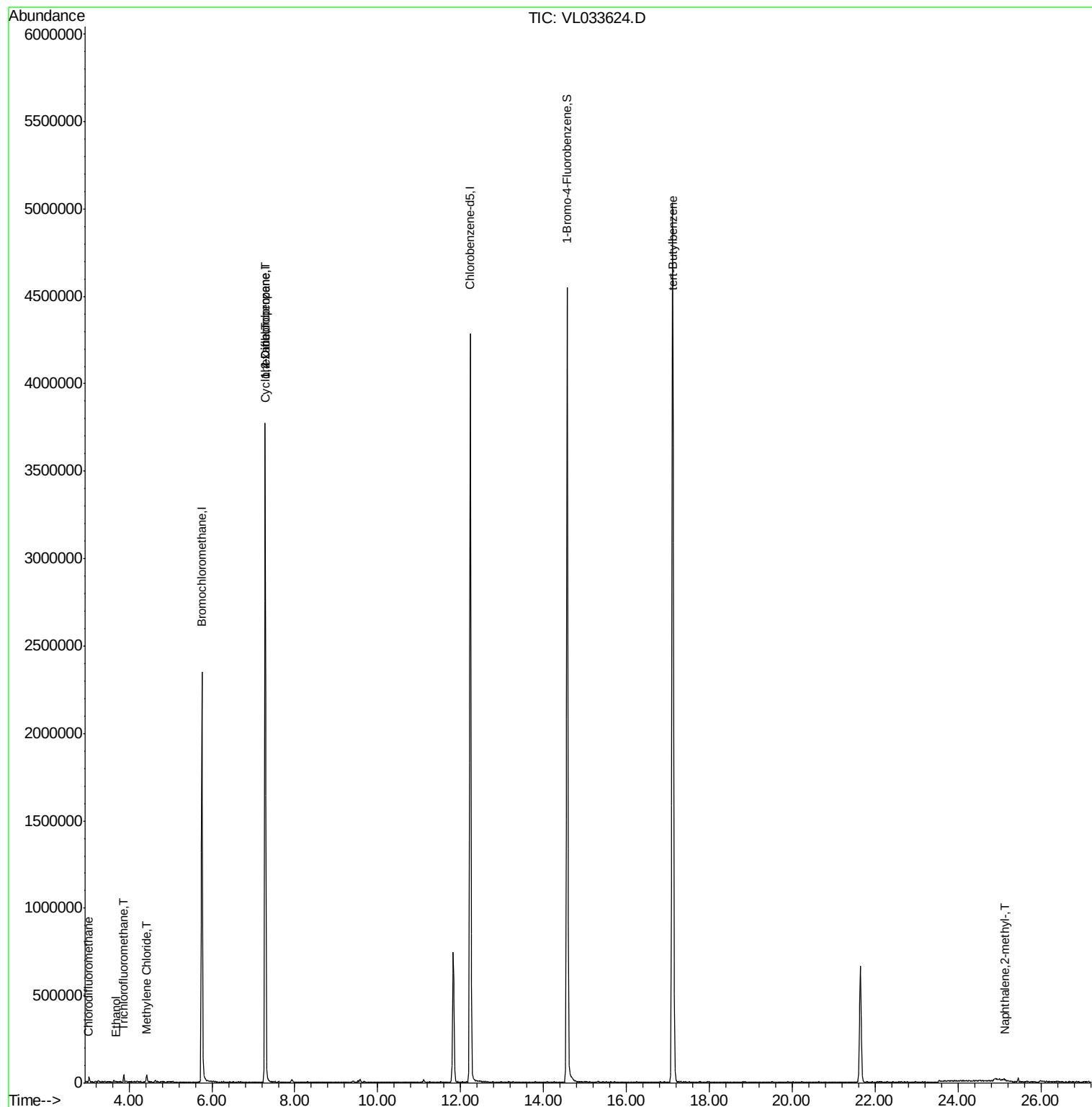
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	2032	0.016	ppbv	99
11) Trichlorofluoromethane	3.88	101	2670	0.014	ppbv	94
13) Ethanol	3.67	45	217	0.013	ppbv #	38
20) Methylene Chloride	4.40	84	999	0.019	ppbv #	64
30) Cyclohexane	7.27	84	4565	0.051	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	691509	8.224	ppbv #	23
65) tert-Butylbenzene	17.12	119	81702	0.246	ppbv #	27
80) Naphthalene,2-methyl-	25.12	142	2196	0.017	ppbv	87

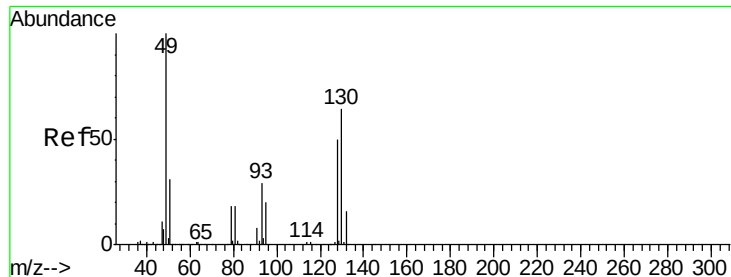
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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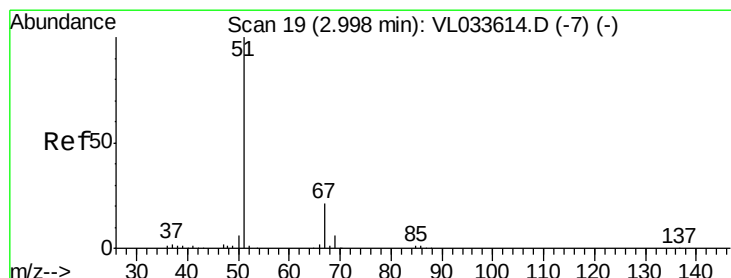
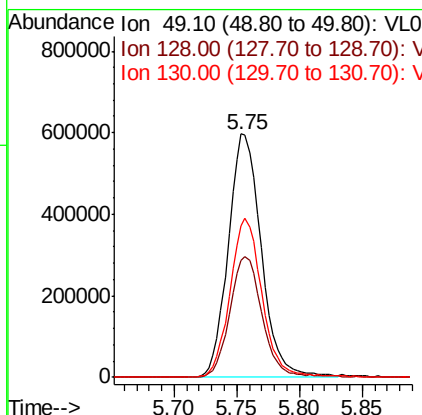
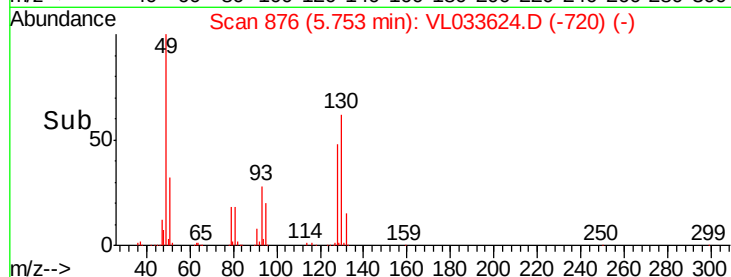
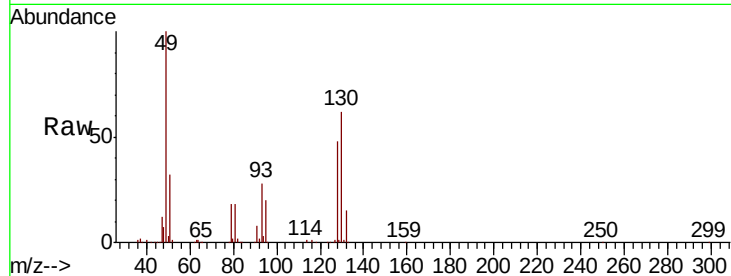




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VL033624.D
 Acq: 2 May 2019 12:04

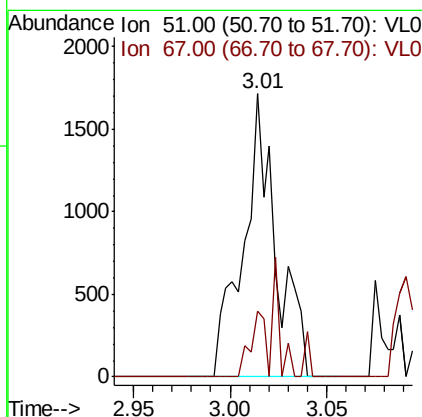
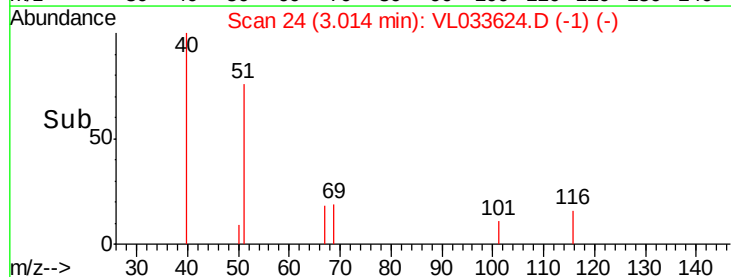
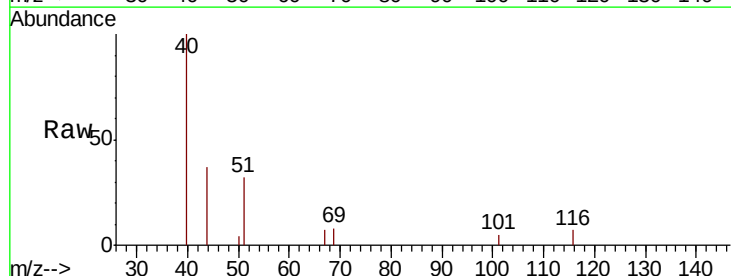
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABL01

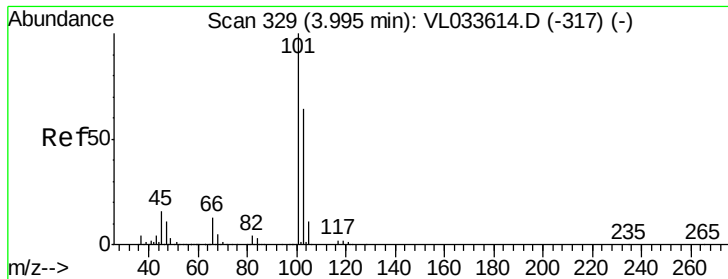
Tgt Ion: 49 Resp: 1092194
 Ion Ratio Lower Upper
 49 100
 128 48.7 25.0 75.0
 130 63.8 31.9 95.9



#3
 Chlorodifluoromethane
 Concen: 0.016 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. 0.02 min
 Lab File: VL033624.D
 Acq: 2 May 2019 12:04

Tgt Ion: 51 Resp: 2032
 Ion Ratio Lower Upper
 51 100
 67 19.2 15.6 23.4





#11

Trichlorofluoromethane

Concen: 0.014 ppbv

RT: 3.88 min Scan# 293

Delta R.T. -0.12 min

Lab File: VL033624.D

Acq: 2 May 2019 12:04

Instrument :

MSVOA_L

ClientSampleId :

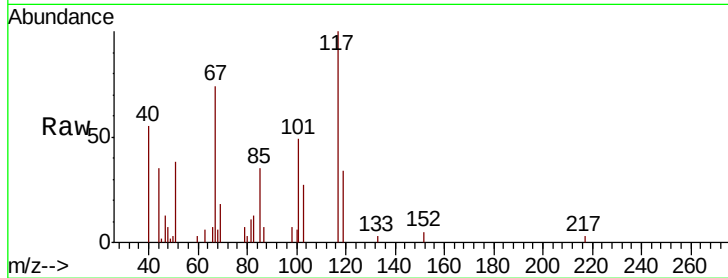
VL0502ABL01

Tgt Ion: 101 Resp: 2670

Ion Ratio Lower Upper

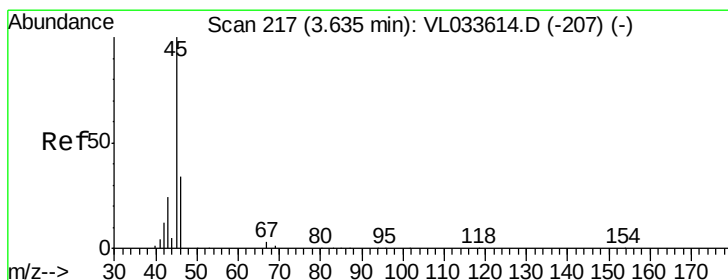
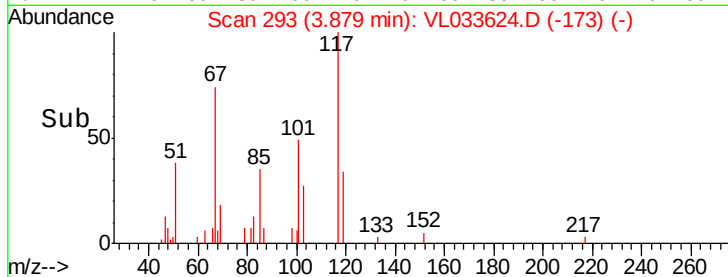
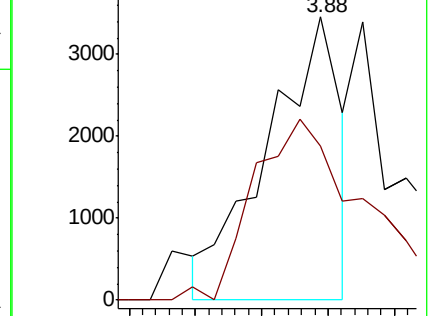
101 100

103 59.1 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: 0.013 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.04 min

Lab File: VL033624.D

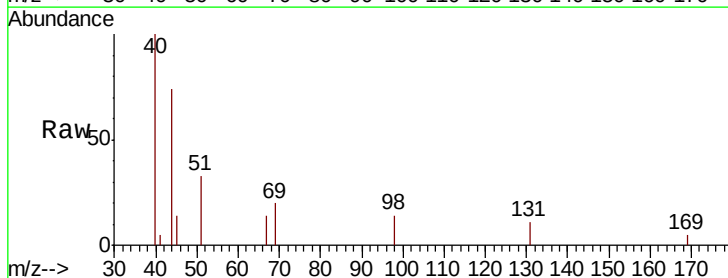
Acq: 2 May 2019 12:04

Tgt Ion: 45 Resp: 217

Ion Ratio Lower Upper

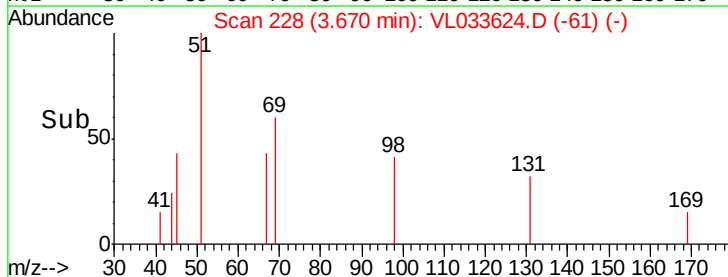
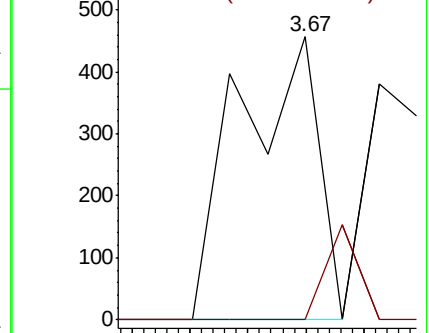
45 100

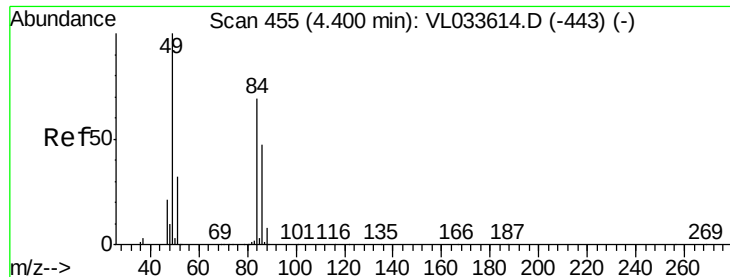
46 0.0 14.6 58.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

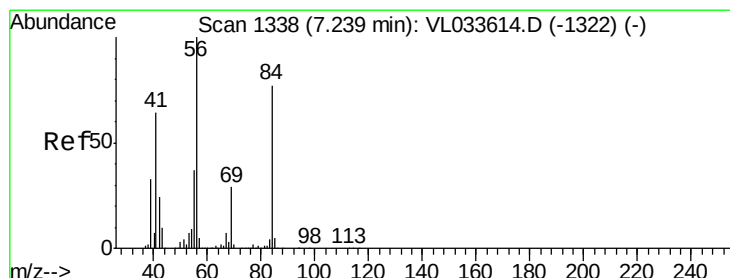
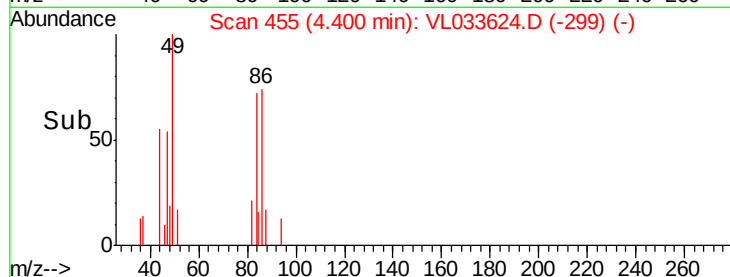
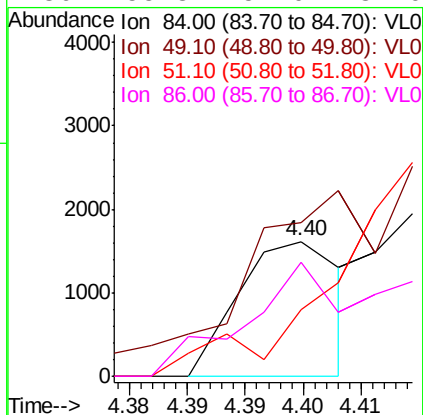
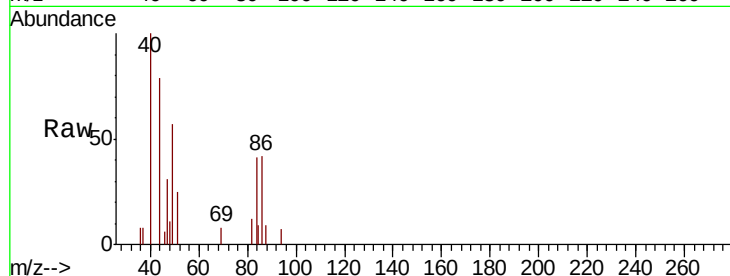




#20
Methylene Chloride
Concen: 0.019 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033624.D
Acq: 2 May 2019 12:04

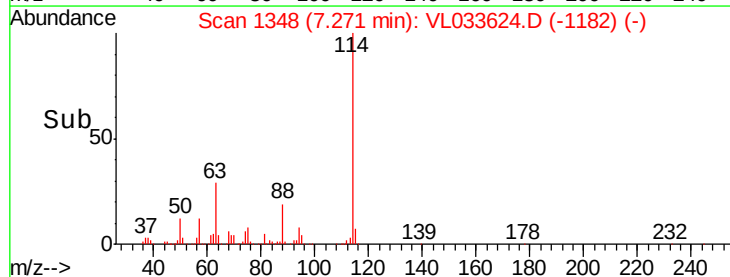
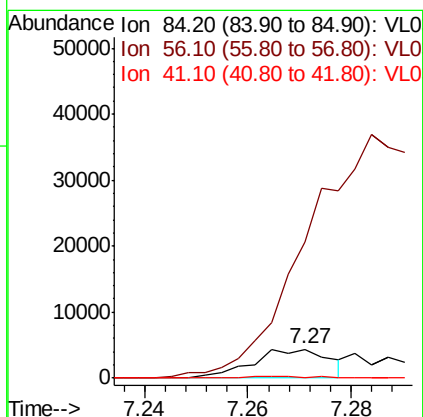
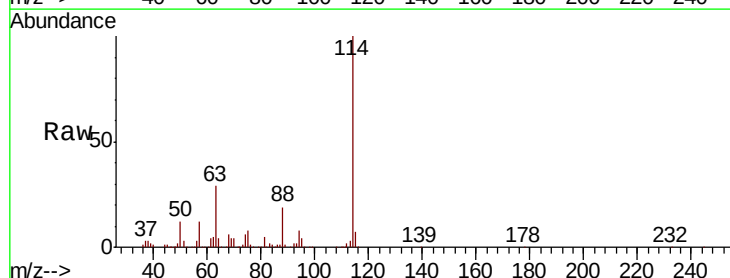
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABL01

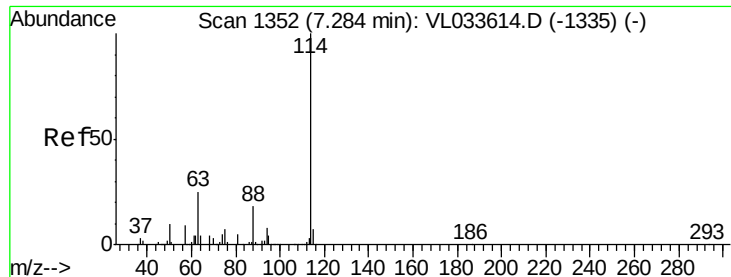
Tgt Ion: 84 Resp: 999
Ion Ratio Lower Upper
84 100
49 82.6 116.2 174.2#
51 31.9 37.0 55.6#
86 55.3 54.0 81.0



#30
Cyclohexane
Concen: 0.051 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.03 min
Lab File: VL033624.D
Acq: 2 May 2019 12:04

Tgt Ion: 84 Resp: 4565
Ion Ratio Lower Upper
84 100
56 0.0 108.4 162.6#
41 3.7 67.0 100.4#

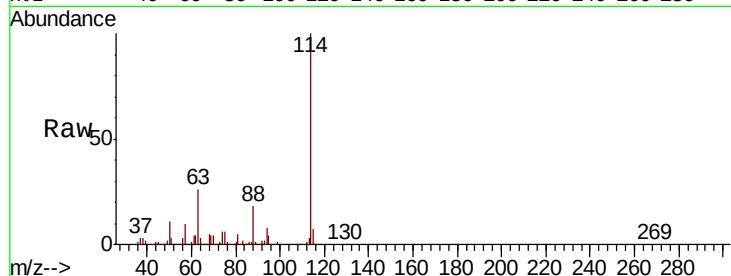




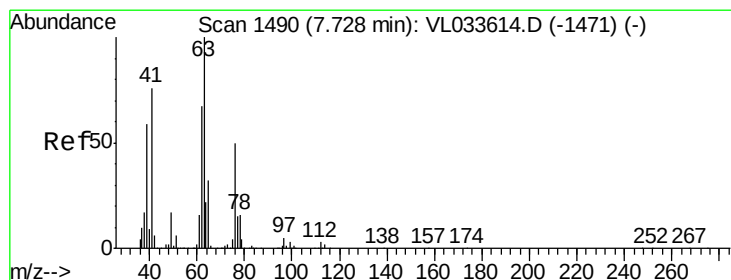
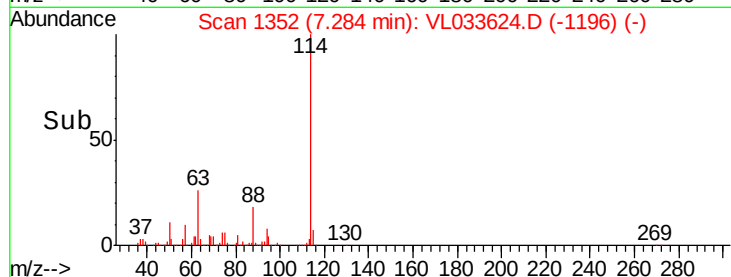
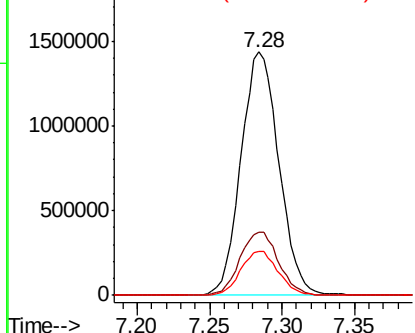
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VL033624.D
 Acq: 2 May 2019 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABL01

Tgt Ion:114 Resp: 2617012
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.1 31.7
 88 18.0 14.2 21.4

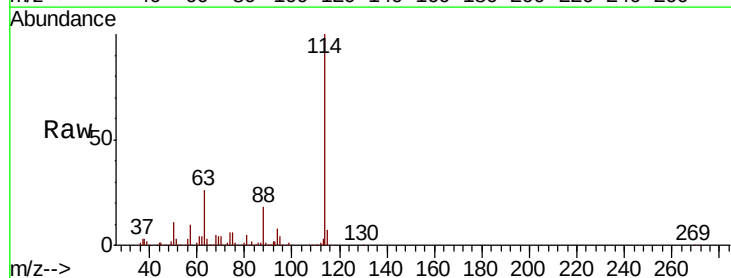


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

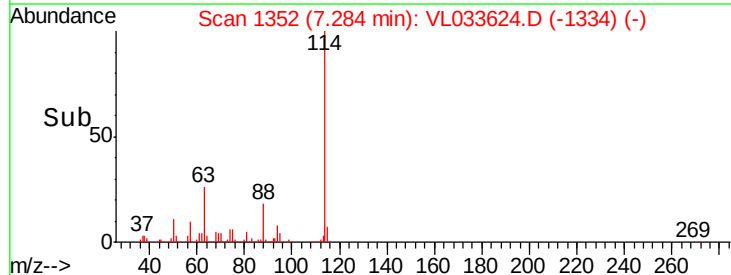
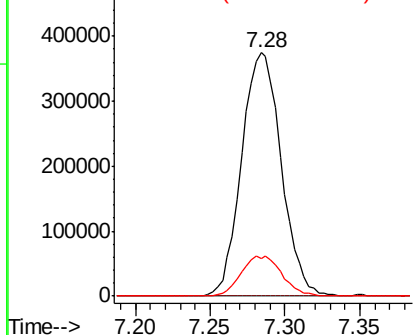


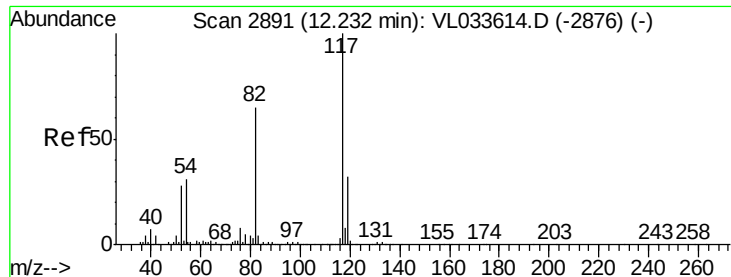
#39
 1,2-Dichloropropane
 Concen: 8.224 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.44 min
 Lab File: VL033624.D
 Acq: 2 May 2019 12:04

Tgt Ion: 63 Resp: 691509
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.9 91.3#
 62 15.6 53.3 79.9#



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

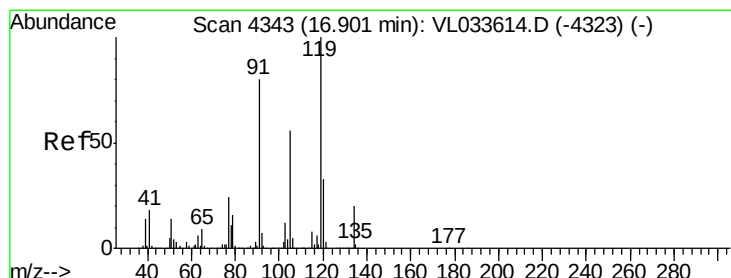
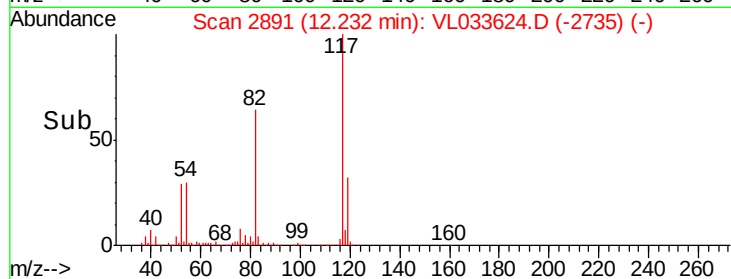
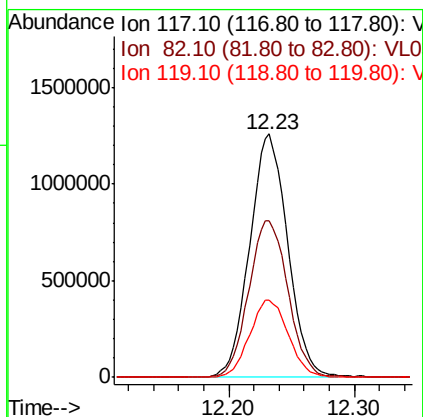
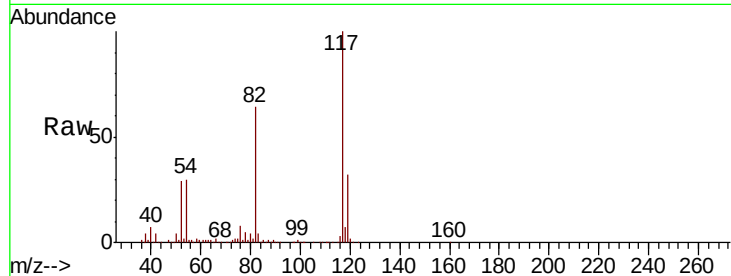




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL033624.D
Acq: 2 May 2019 12:04

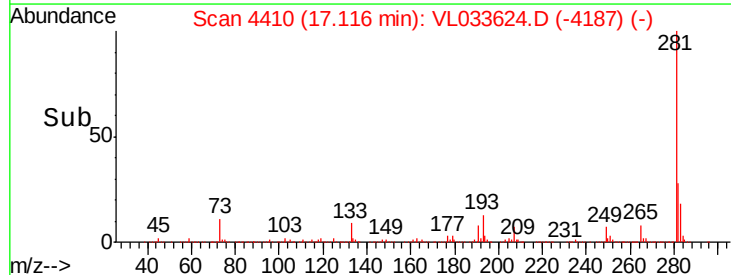
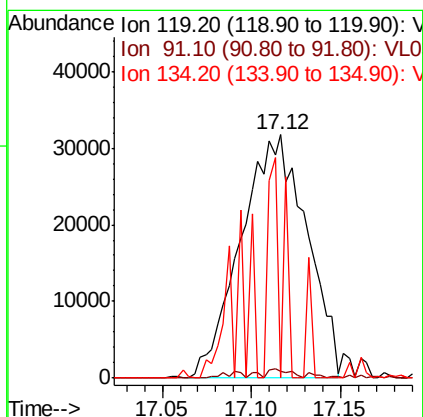
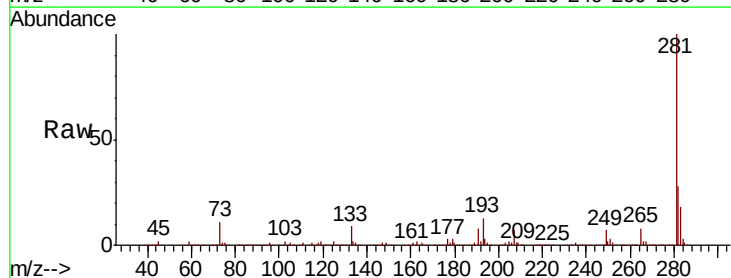
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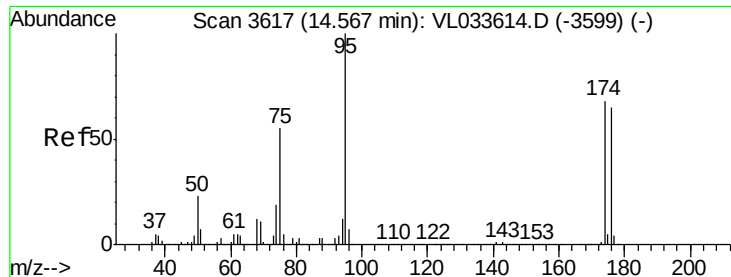
Tgt Ion:117 Resp: 2650903
Ion Ratio Lower Upper
117 100
82 67.2 52.6 78.8
119 32.7 28.3 42.5



#65
tert-Butylbenzene
Concen: 0.246 ppbv
RT: 17.12 min Scan# 4410
Delta R.T. 0.22 min
Lab File: VL033624.D
Acq: 2 May 2019 12:04

Tgt Ion:119 Resp: 81702
Ion Ratio Lower Upper
119 100
91 2.8 66.1 99.1#
134 22.8 15.6 23.4

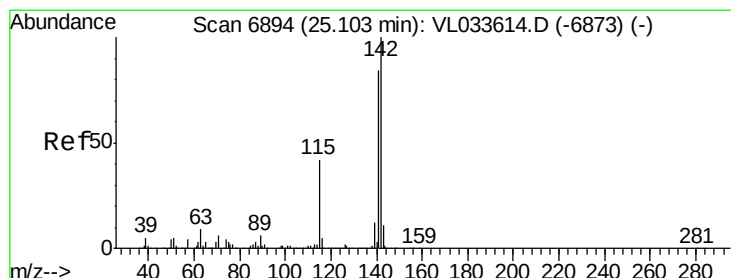
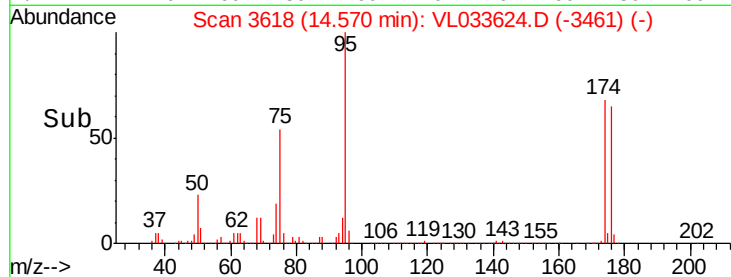
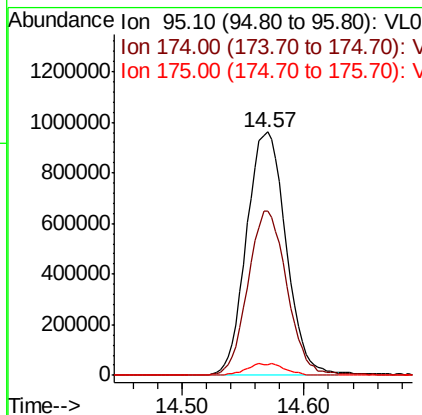
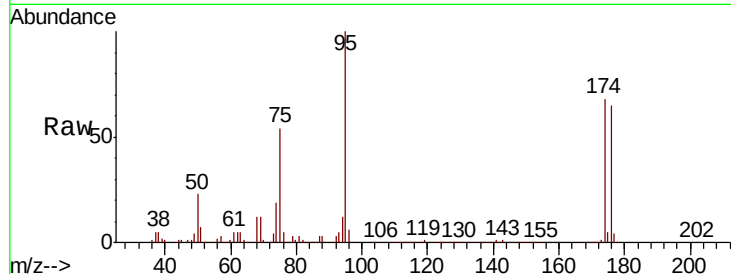




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.652 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL033624.D
 Acq: 2 May 2019 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABL01

Tgt Ion: 95 Resp: 2149725
 Ion Ratio Lower Upper
 95 100
 174 67.5 53.9 80.9
 175 4.8 4.0 6.0



#80
 Naphthalene, 2-methyl-
 Concen: 0.017 ppbv
 RT: 25.12 min Scan# 6900
 Delta R.T. 0.02 min
 Lab File: VL033624.D
 Acq: 2 May 2019 12:04

Tgt Ion: 142 Resp: 2196
 Ion Ratio Lower Upper
 142 100
 141 69.4 67.3 100.9
 115 38.8 33.8 50.8

