

Data File : VL032503.D
Acq On : 11 Sep 2018 11:43
Operator : SY/AP
Sample : 4820-07DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Quant Time: Sep 12 05:37:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1378472	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3105988	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3132355	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2437084	10.48	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

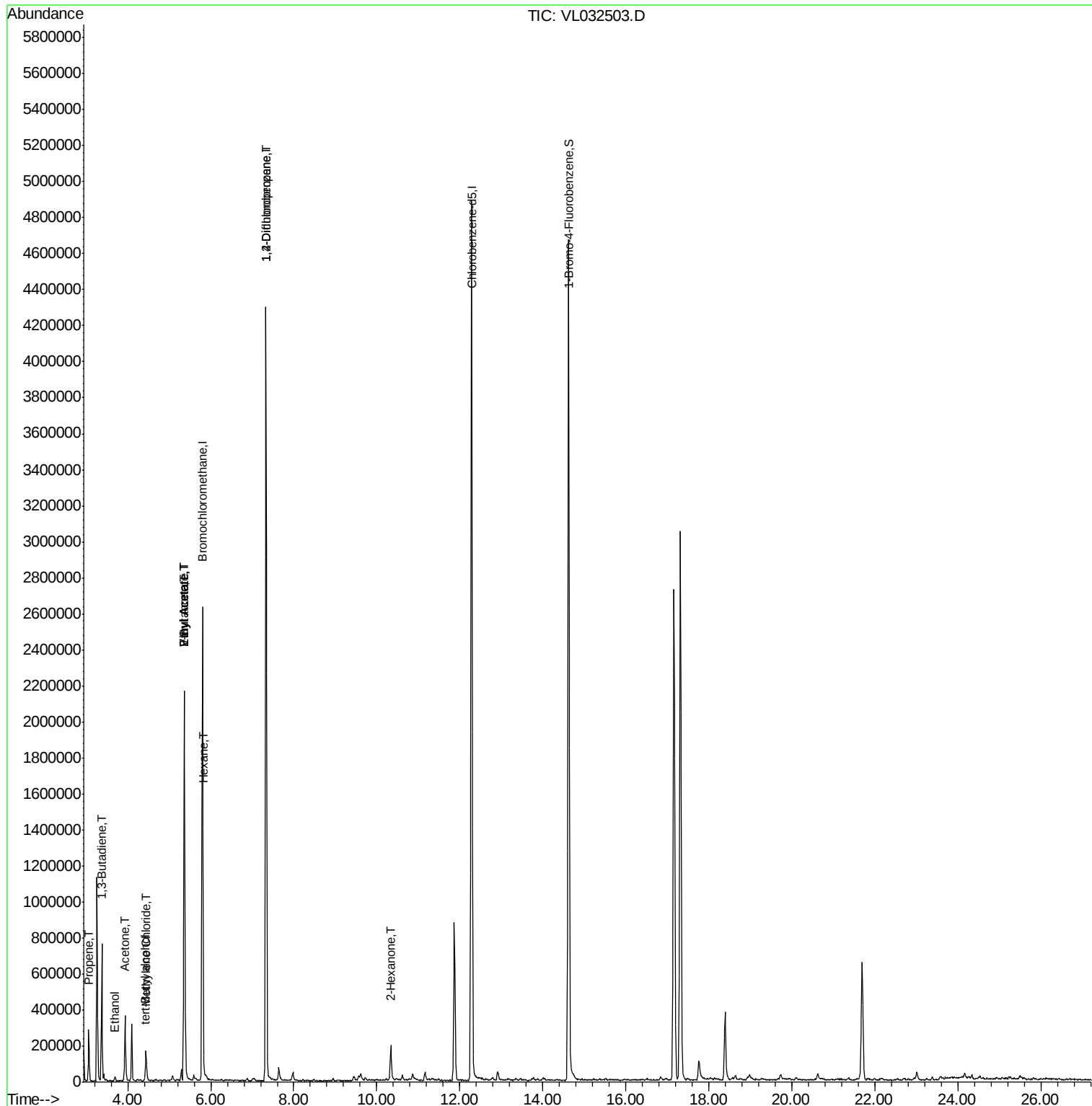
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.06	41	115406	2.293	ppbv	95
13) Ethanol	3.69	45	9481	0.604	ppbv #	39
15) Acetone	3.93	43	341253	2.749	ppbv #	73
16) 1,3-Butadiene	3.37	39	171384	2.934	ppbv #	6
17) tert-Butyl alcohol	4.42	59	6516	0.341	ppbv #	100
20) Methylene Chloride	4.44	84	50702	1.071	ppbv	87
23) Vinyl Acetate	5.36	43	2619362	12.730	ppbv #	88
25) Ethyl Acetate	5.36	43	2619362	8.935	ppbv #	76
26) Hexane	5.82	57	9175	0.070	ppbv #	1
34) 2-Butanone	5.36	43	2619362	12.696	ppbv	100
39) 1,2-Dichloropropane	7.33	63	841533	7.441	ppbv #	25
51) 2-Hexanone	10.34	43	155421	0.776	ppbv #	98

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

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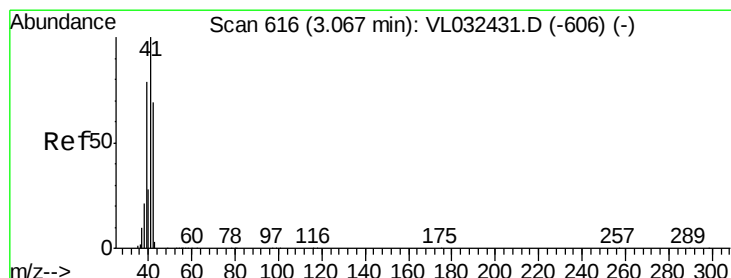
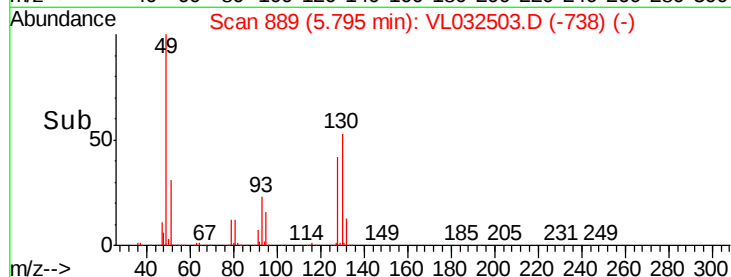
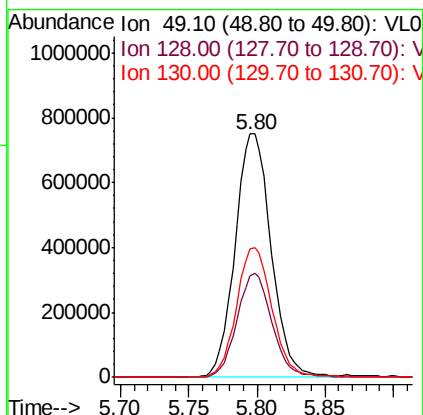
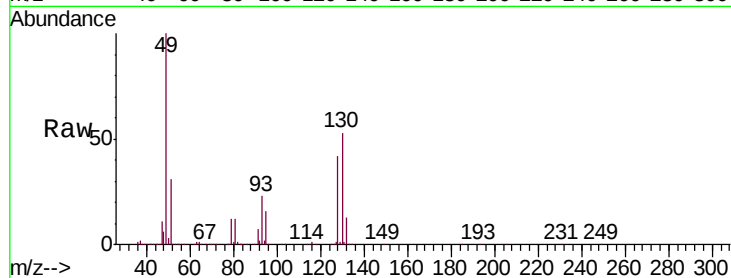




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.80 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

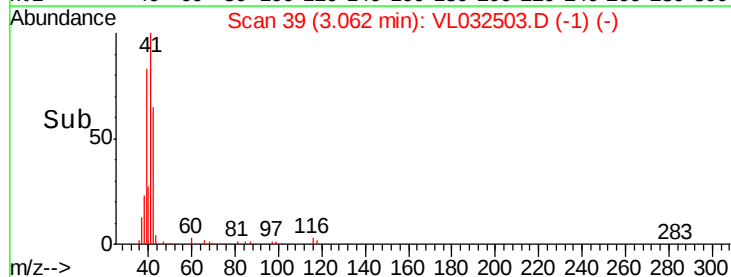
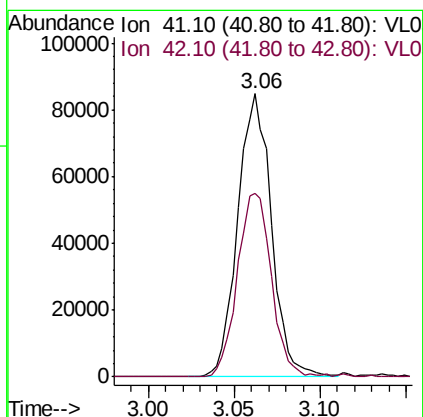
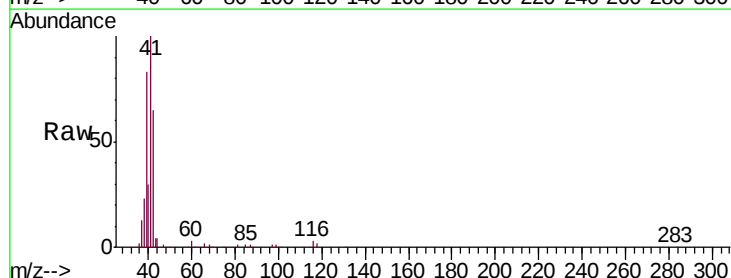
Instrument :
 MSVOA_L
 ClientSampleID :
 255-BERRYDL

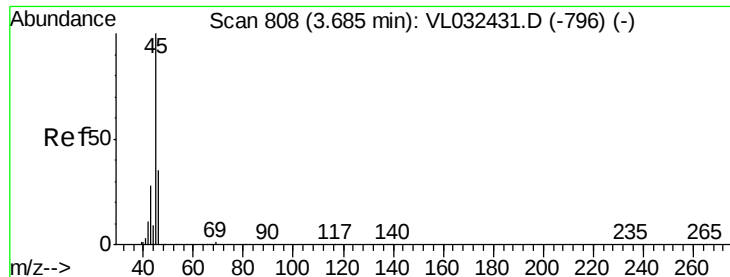
Tgt Ion: 49 Resp: 1378472
 Ion Ratio Lower Upper
 49 100
 128 41.8 20.7 62.1
 130 53.2 26.6 79.7



#9
 Propene
 Concen: 2.293 ppbv
 RT: 3.06 min Scan# 39
 Delta R.T. -0.01 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 41 Resp: 115406
 Ion Ratio Lower Upper
 41 100
 42 66.3 56.6 84.8

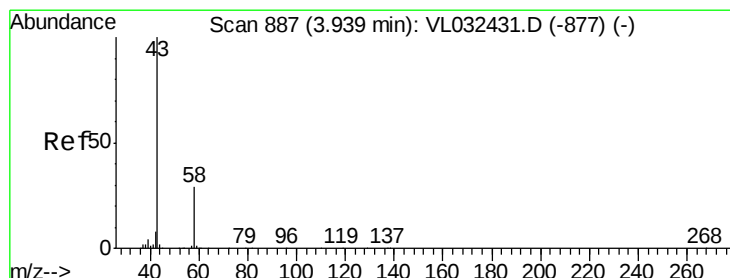
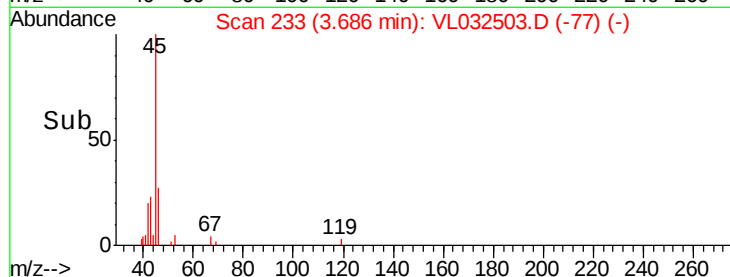
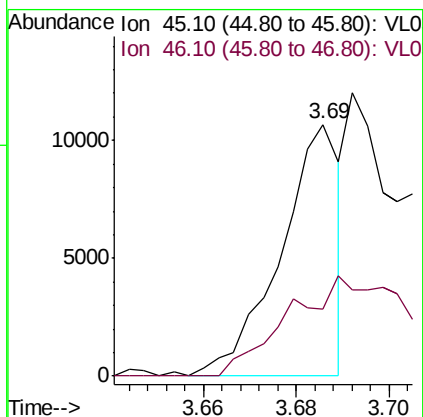
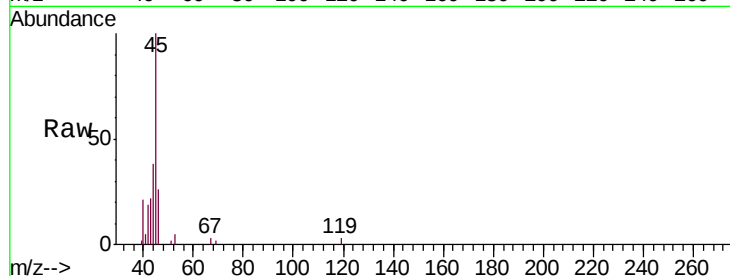




#13
Ethanol
Concen: 0.604 ppbv
RT: 3.69 min Scan# 233
Delta R.T. 0.00 min
Lab File: VL032503.D
Acq: 11 Sep 2018 11:43

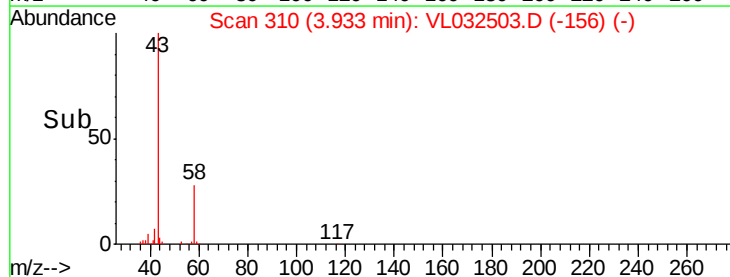
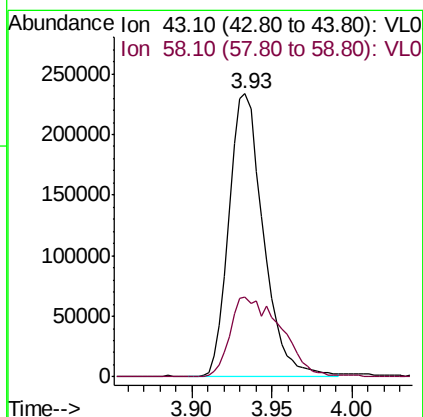
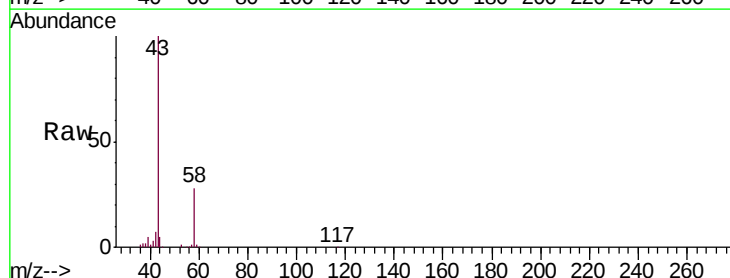
Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

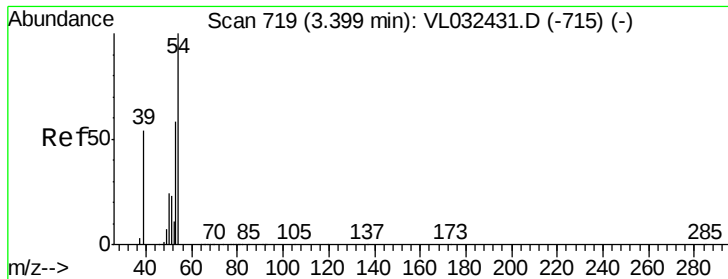
Tgt Ion: 45 Resp: 9481
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.8#



#15
Acetone
Concen: 2.749 ppbv
RT: 3.93 min Scan# 310
Delta R.T. -0.01 min
Lab File: VL032503.D
Acq: 11 Sep 2018 11:43

Tgt Ion: 43 Resp: 341253
Ion Ratio Lower Upper
43 100
58 42.5 22.6 33.8#

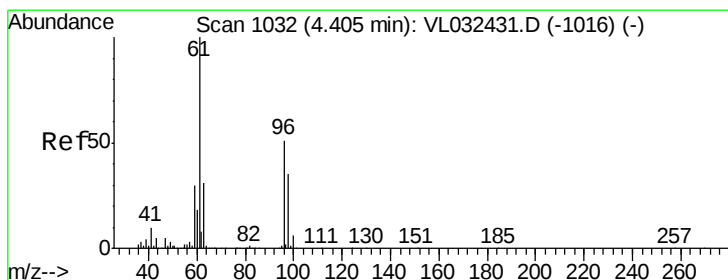
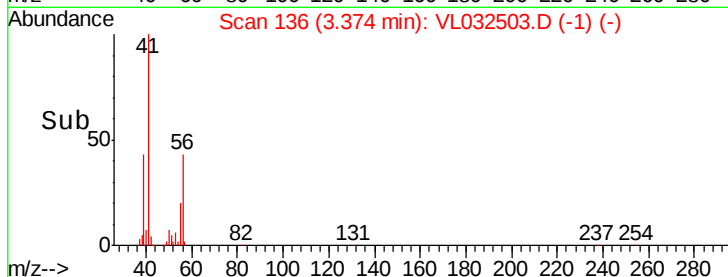
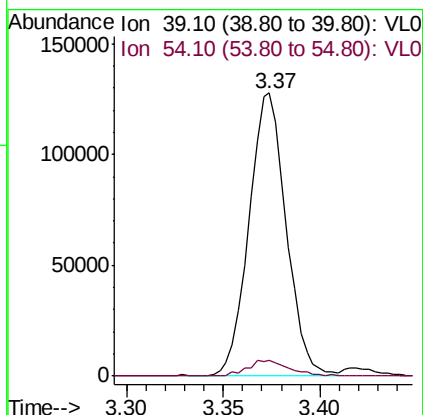
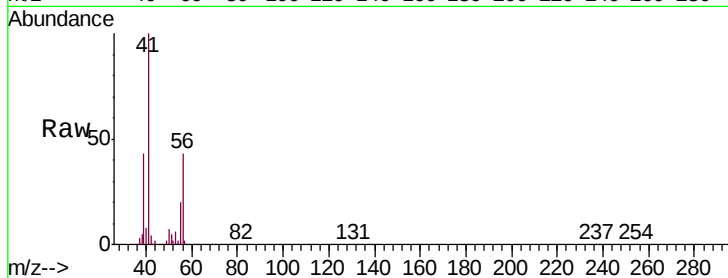




#16
 1,3-Butadiene
 Concen: 2.934 ppbv
 RT: 3.37 min Scan# 136
 Delta R.T. -0.02 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

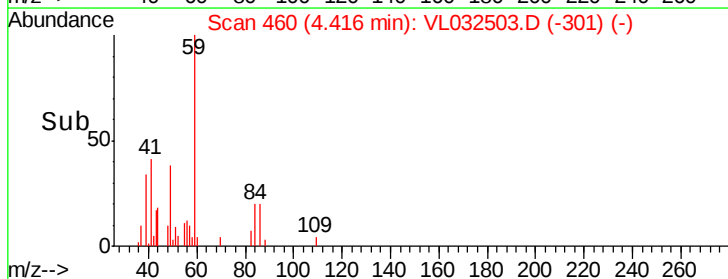
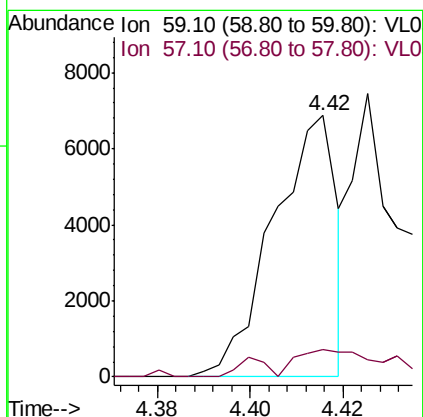
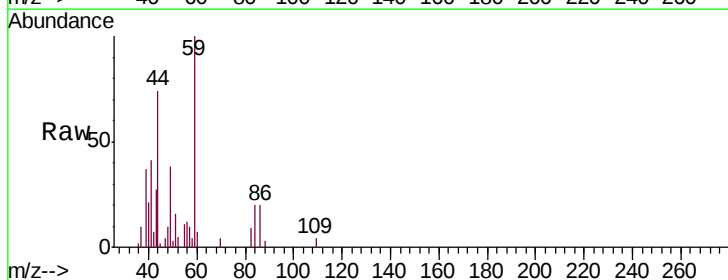
Instrument :
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 ClientSampleId :
 255-BERRYDL

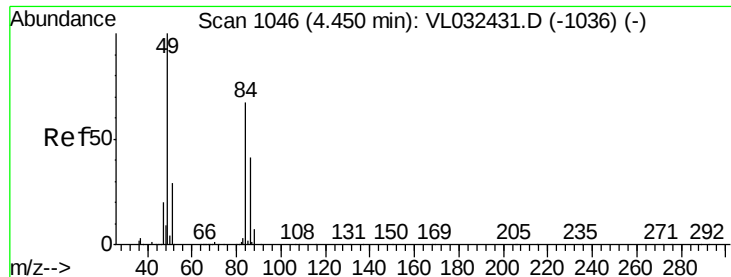
Tgt Ion: 39 Resp: 171384
 Ion Ratio Lower Upper
 39 100
 54 6.3 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 0.341 ppbv
 RT: 4.42 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 59 Resp: 6516
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

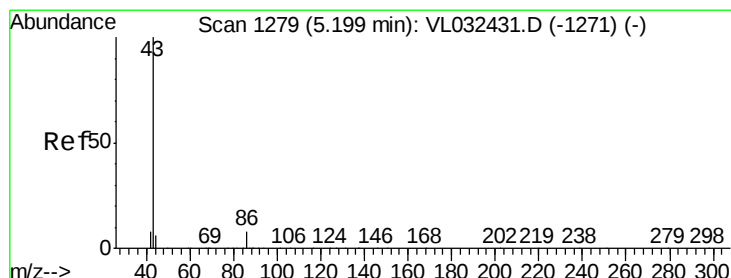
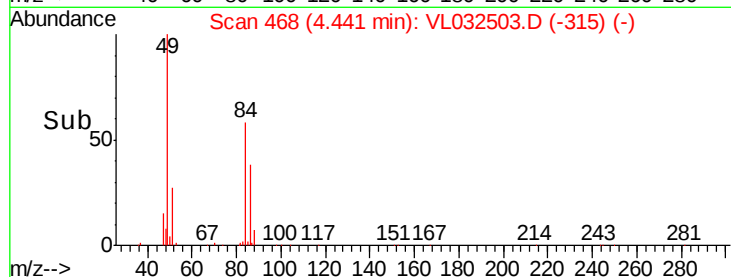
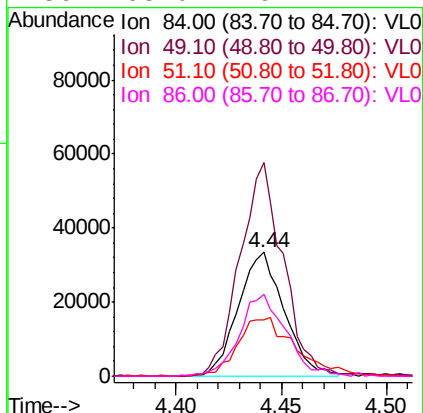
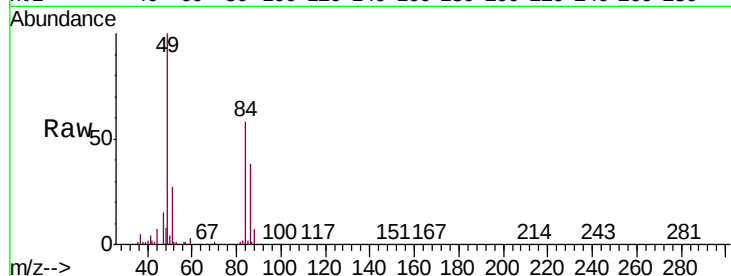




#20
Methylene Chloride
Concen: 1.071 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032503.D
Acq: 11 Sep 2018 11:43

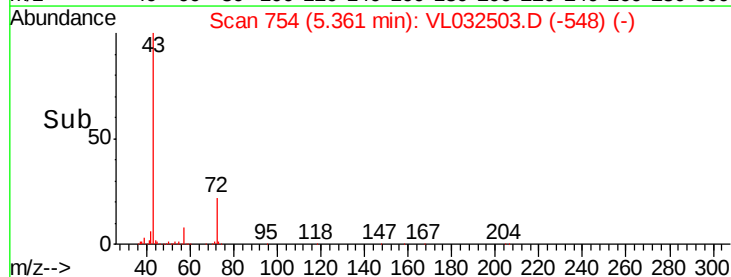
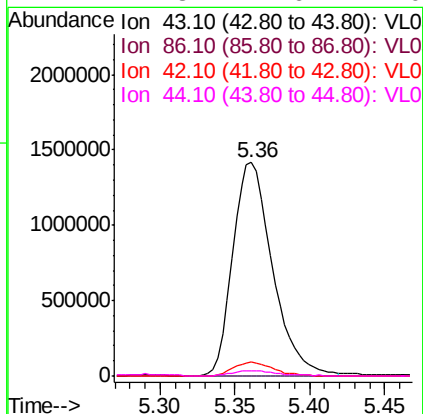
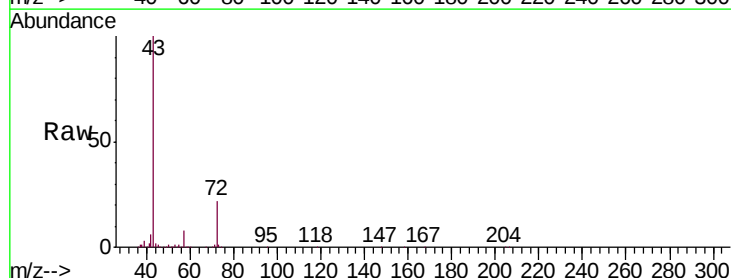
Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

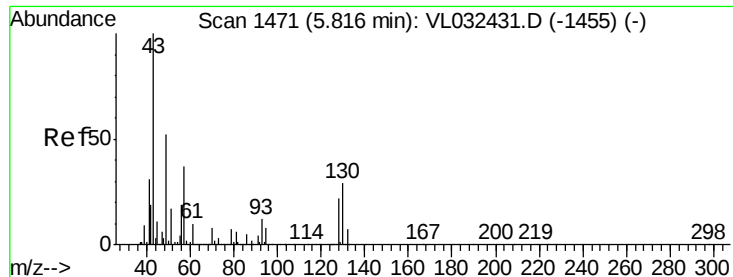
Tgt Ion:	84	Resp:	50702
Ion	Ratio	Lower	Upper
84	100		
49	172.6	119.1	178.7
51	44.7	35.2	52.8
86	68.0	49.4	74.2



#23
Vinyl Acetate
Concen: 12.730 ppbv
RT: 5.36 min Scan# 754
Delta R.T. 0.16 min
Lab File: VL032503.D
Acq: 11 Sep 2018 11:43

Tgt Ion:	43	Resp:	2619362
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	6.5	6.9	10.3#
44	2.3	4.6	7.0#



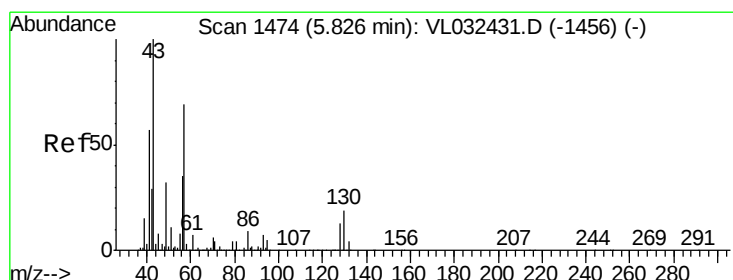
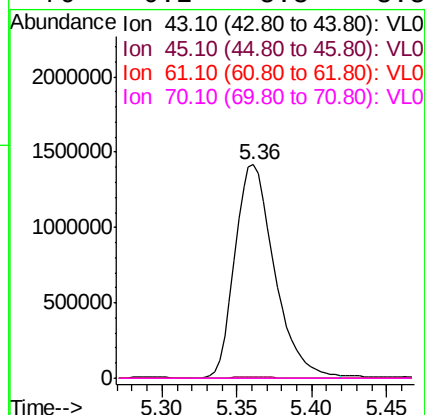
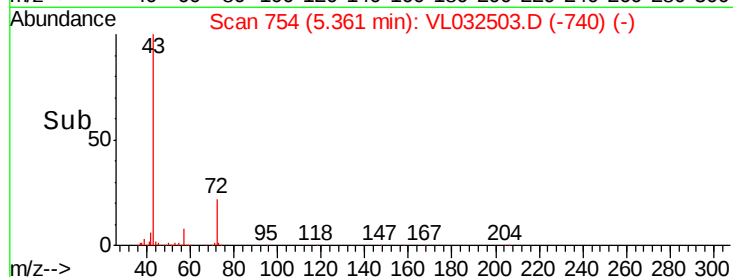
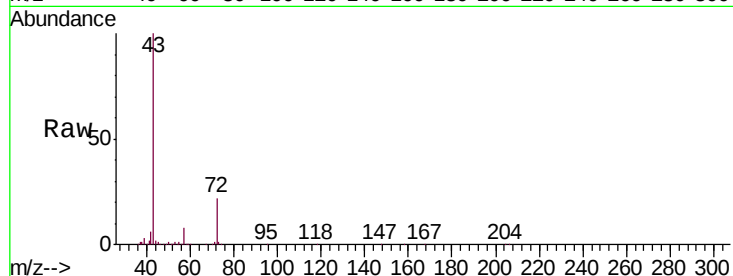


#25
Ethyl Acetate
Concen: 8.935 ppbv
RT: 5.36 min Scan# 754
Delta R.T. -0.46 min
Lab File: VL032503.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 43 Resp: 2619362

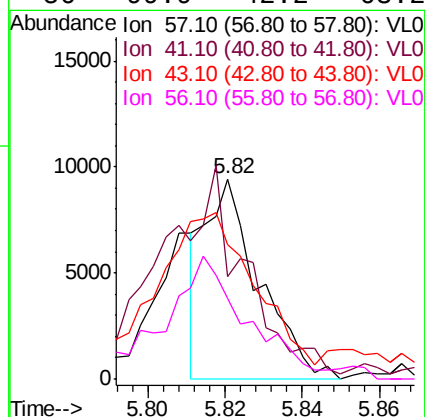
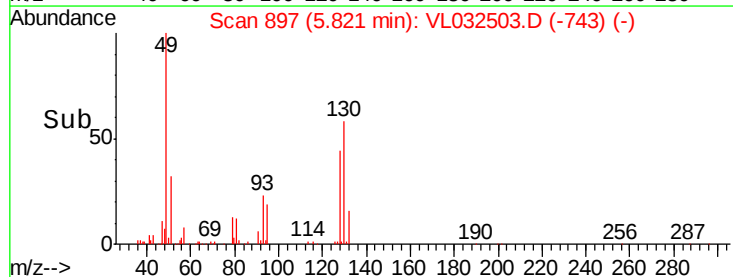
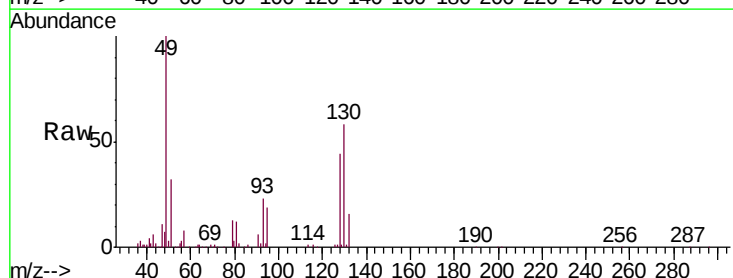
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.0	12.0#
61	0.0	7.6	11.4#
70	0.2	5.8	8.8#

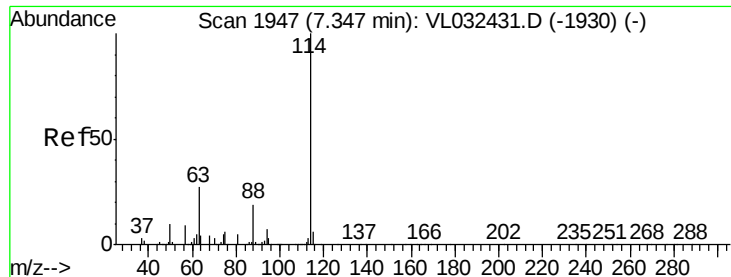


#26
Hexane
Concen: 0.070 ppbv
RT: 5.82 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL032503.D
Acq: 11 Sep 2018 11:43

Tgt Ion: 57 Resp: 9175

Ion	Ratio	Lower	Upper
57	100		
41	186.6	69.0	103.4#
43	0.0	172.1	258.1#
56	99.9	42.2	63.2#

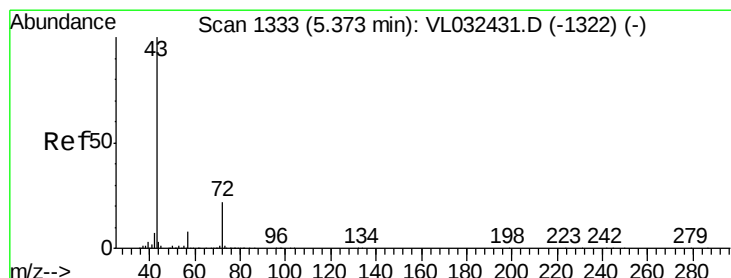
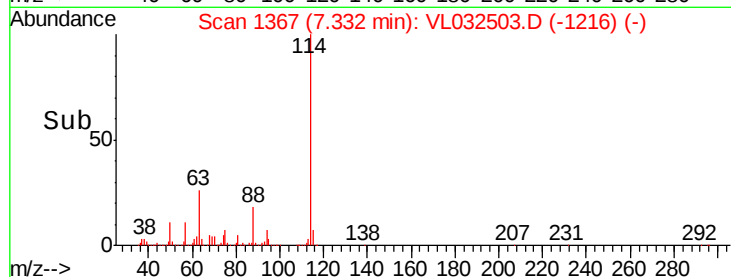
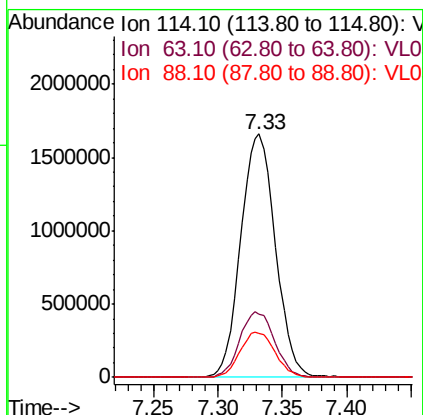
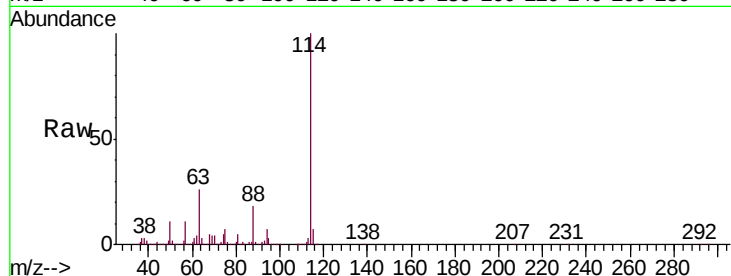




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

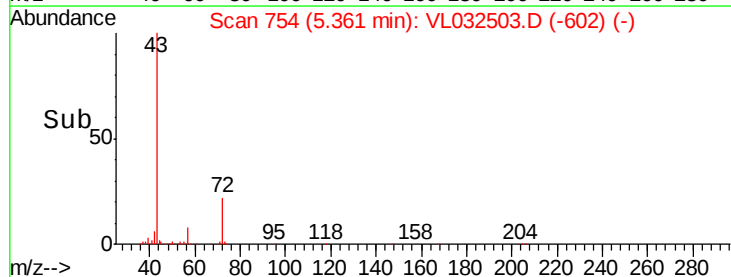
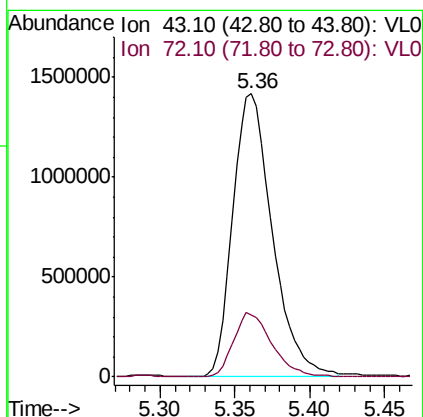
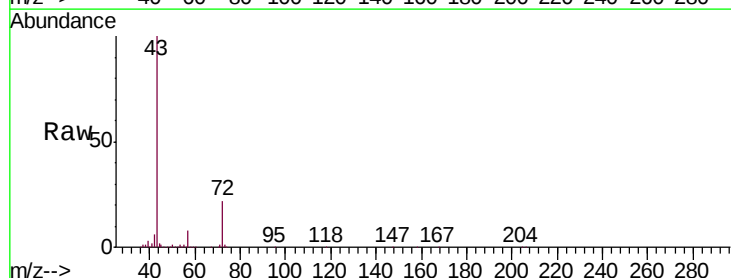
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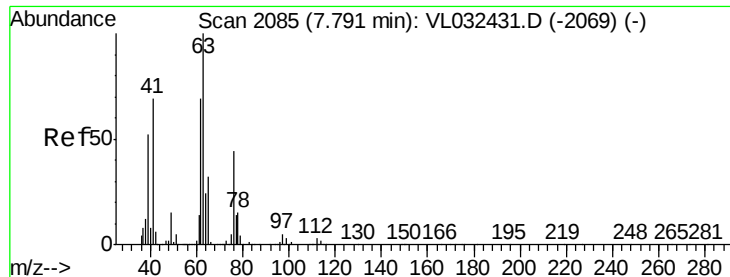
Tgt Ion: 114 Resp: 3105988
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.2 33.4
 88 18.8 15.0 22.4



#34
 2-Butanone
 Concen: 12.696 ppbv
 RT: 5.36 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 43 Resp: 2619362
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6

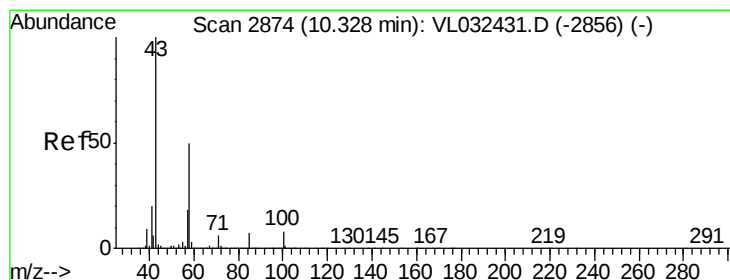
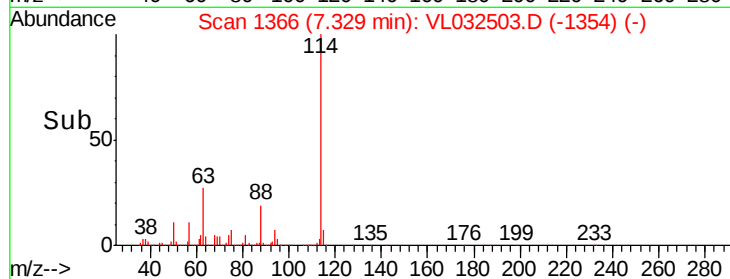
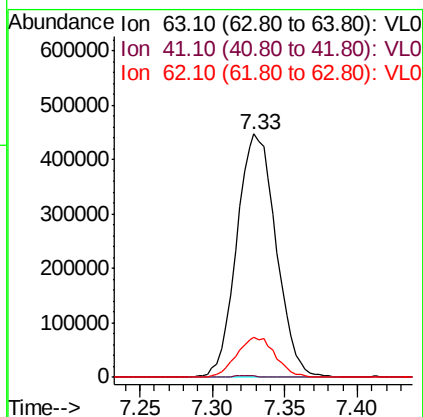
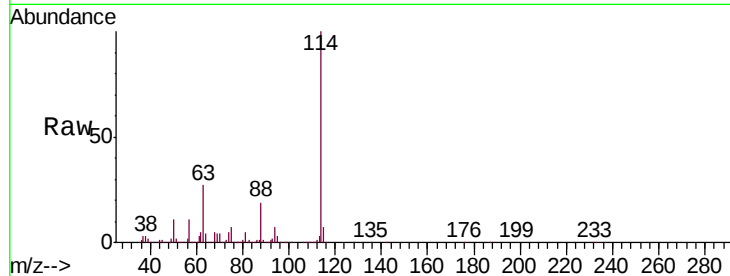




#39
 1,2-Dichloropropane
 Concen: 7.441 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.46 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_L
 ClientSampleId :
 255-BERRYDL

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.4	55.4	83.0#
62	16.4	55.4	83.0#



#51
 2-Hexanone
 Concen: 0.776 ppbv
 RT: 10.34 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: VL032503.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.7	39.2	58.8
98	2.1	0.4	0.6#

