

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
 Data File : VL032491.D
 Acq On : 10 Sep 2018 23:22
 Operator : SY/AP
 Sample : J4820-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRYDL

Quant Time: Sep 11 01:12:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	1551626	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3722270	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3442316	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2608553	10.21	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

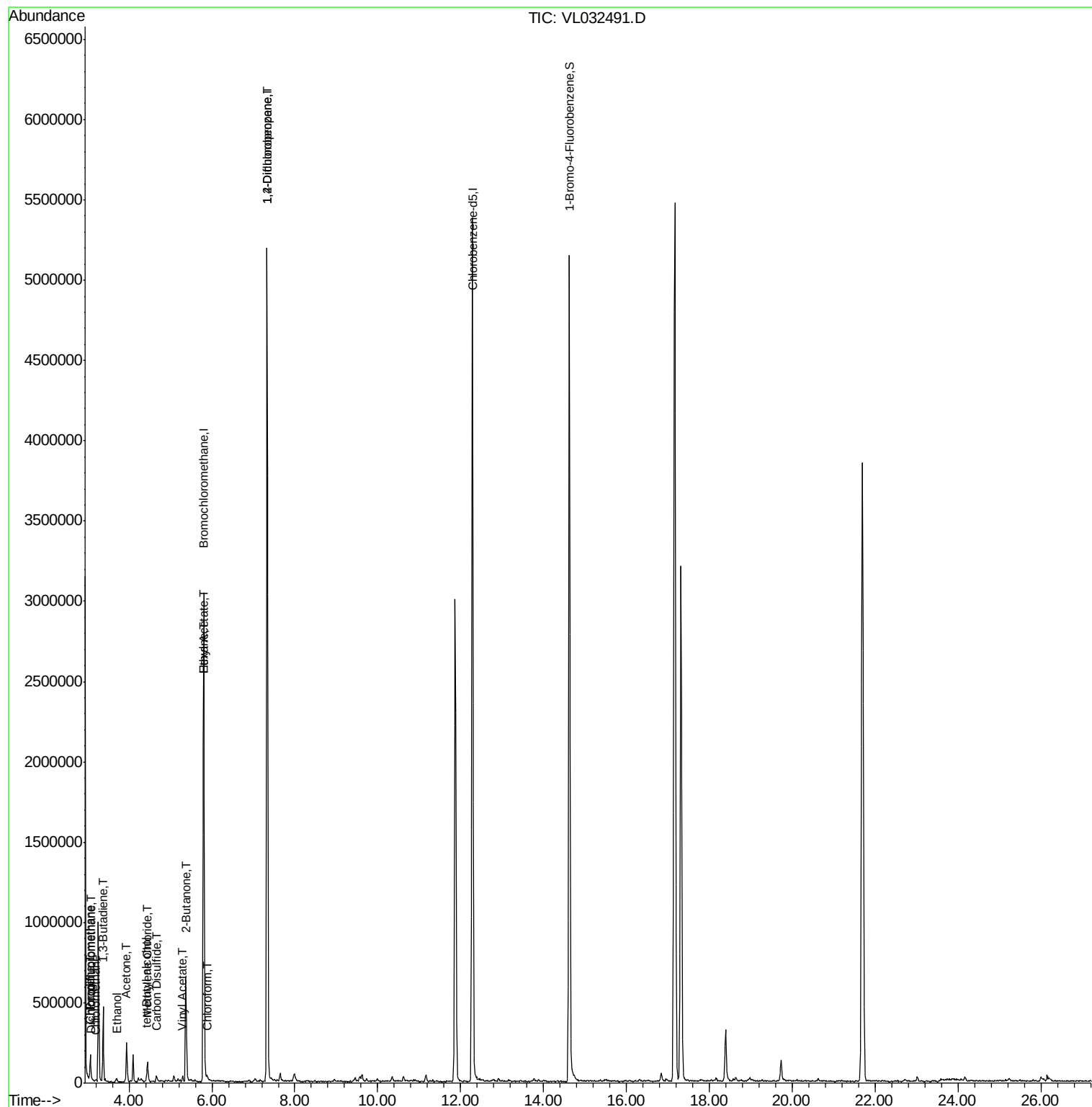
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	11284	0.057	ppbv	95
3) Chlorodifluoromethane	3.04	51	6705	0.048	ppbv #	88
4) Chloromethane	3.20	50	5494	0.065	ppbv #	75
9) Propene	3.07	41	53016	0.936	ppbv	99
13) Ethanol	3.70	45	14499	0.821	ppbv #	49
15) Acetone	3.94	43	239017	1.711	ppbv #	73
16) 1,3-Butadiene	3.37	39	100911	1.535	ppbv #	7
17) tert-Butyl alcohol	4.42	59	6356	0.296	ppbv #	100
20) Methylene Chloride	4.44	84	40667	0.763	ppbv	96
23) Vinyl Acetate	5.29	43	9009	0.039	ppbv #	1
25) Ethyl Acetate	5.82	43	26104	0.079	ppbv #	88
26) Hexane	5.82	57	27193	0.184	ppbv #	51
27) Carbon Disulfide	4.66	76	6360	0.047	ppbv #	39
29) Chloroform	5.89	83	7303	0.032	ppbv	84
34) 2-Butanone	5.37	43	796501	3.222	ppbv	99
39) 1,2-Dichloropropane	7.33	63	1001051	7.386	ppbv #	26

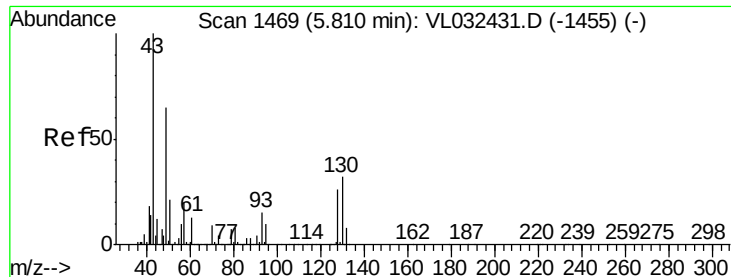
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

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MSVOA_L

ClientSampleId :

243-BERRYDL

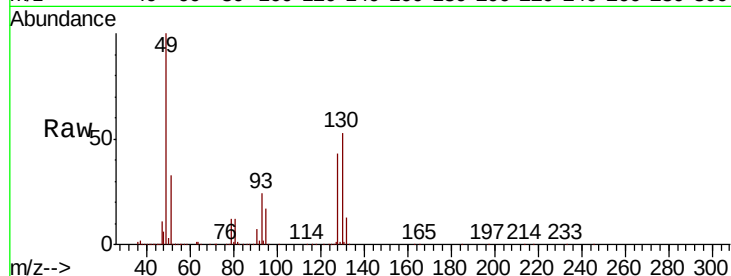
Tgt Ion: 49 Resp: 1551626

Ion Ratio Lower Upper

49 100

128 42.5 20.7 62.1

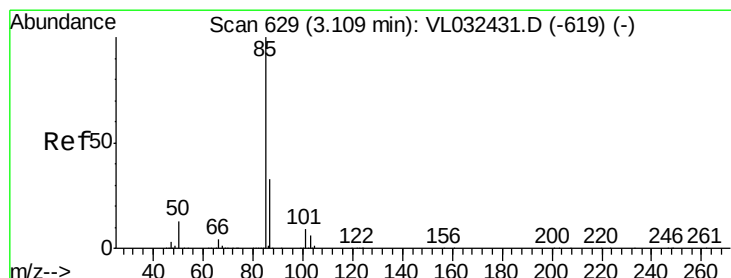
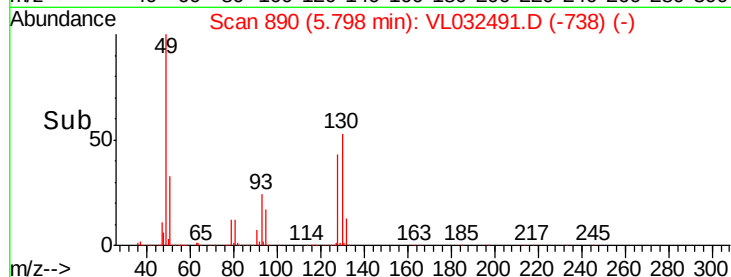
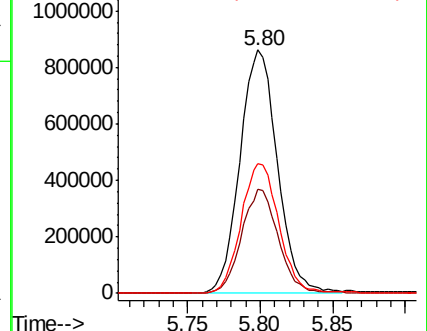
130 54.6 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.057 ppbv

RT: 3.10 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL032491.D

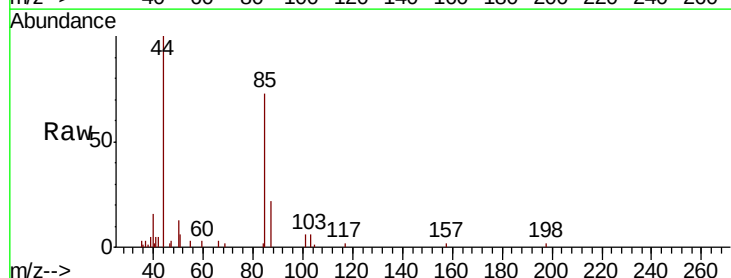
Acq: 10 Sep 2018 23:22

Tgt Ion: 85 Resp: 11284

Ion Ratio Lower Upper

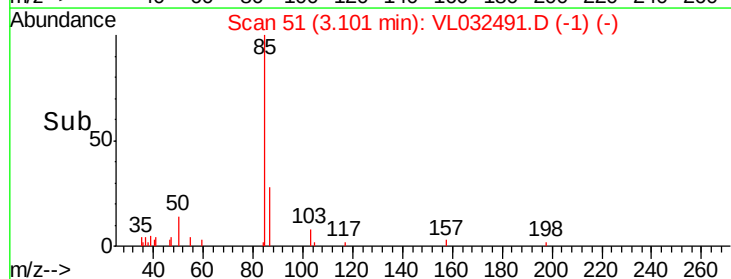
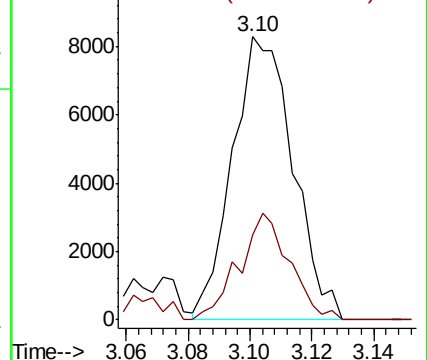
85 100

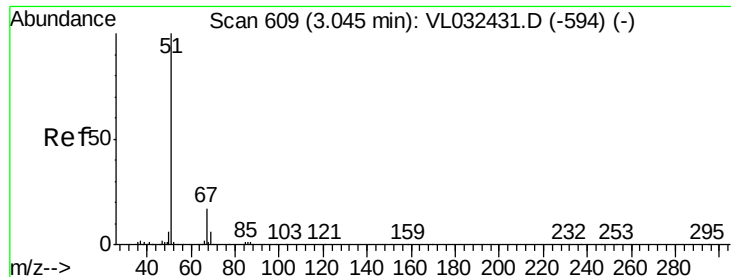
87 30.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

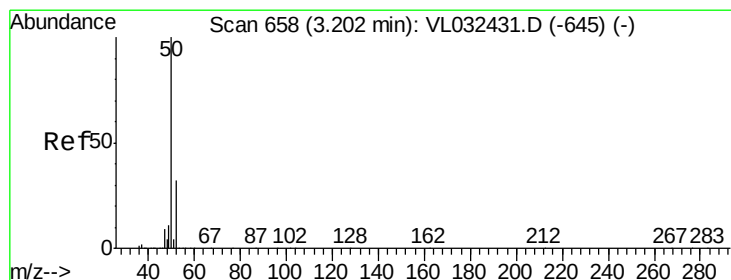
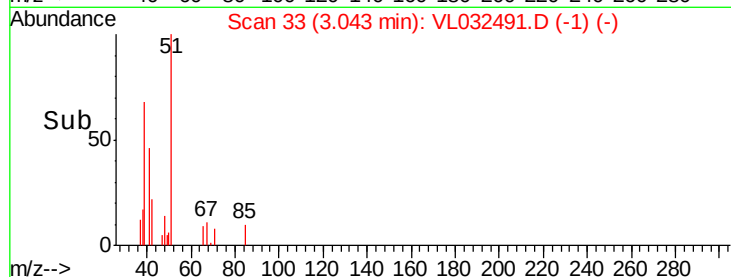
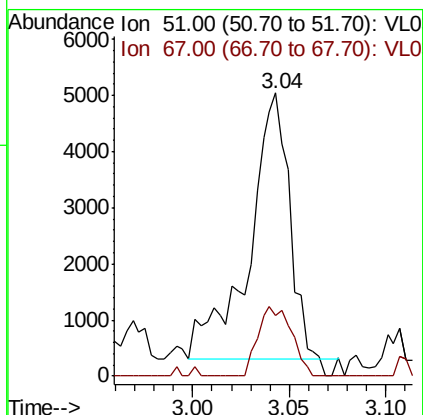
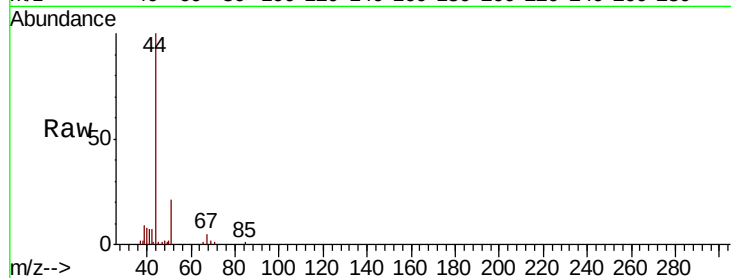




#3
 Chlorodifluoromethane
 Concen: 0.048 ppbv
 RT: 3.04 min Scan# 33
 Delta R.T. -0.00 min
 Lab File: VL032491.D
 Acq: 10 Sep 2018 23:22

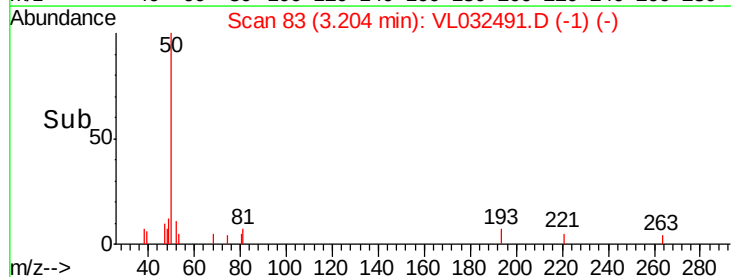
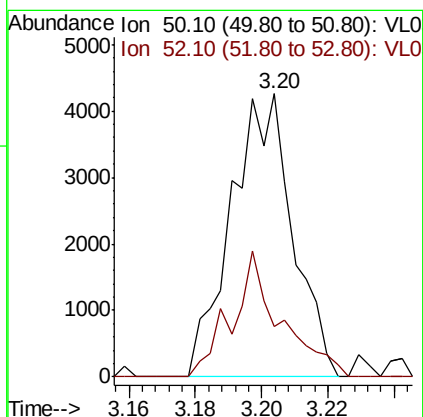
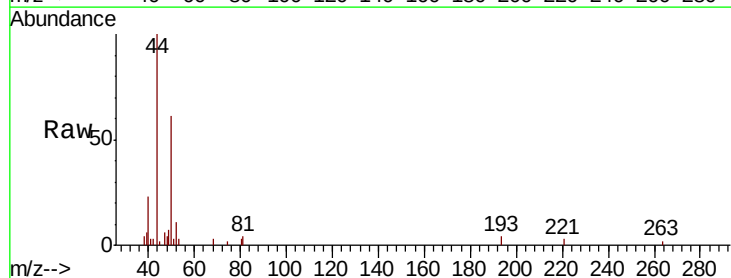
Instrument :
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 243-BERRYDL

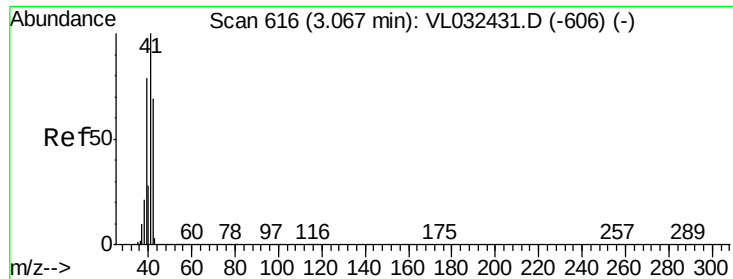
Tgt Ion: 51 Resp: 6705
 Ion Ratio Lower Upper
 51 100
 67 22.4 13.8 20.8#



#4
 Chloromethane
 Concen: 0.065 ppbv
 RT: 3.20 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VL032491.D
 Acq: 10 Sep 2018 23:22

Tgt Ion: 50 Resp: 5494
 Ion Ratio Lower Upper
 50 100
 52 17.9 25.6 38.4#





#9

Propene

Concen: 0.936 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

Instrument :

MSVOA_L

ClientSampleId :

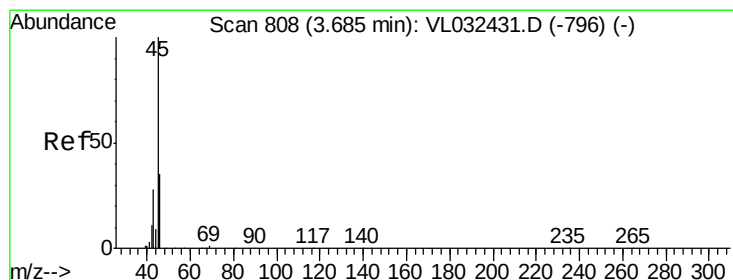
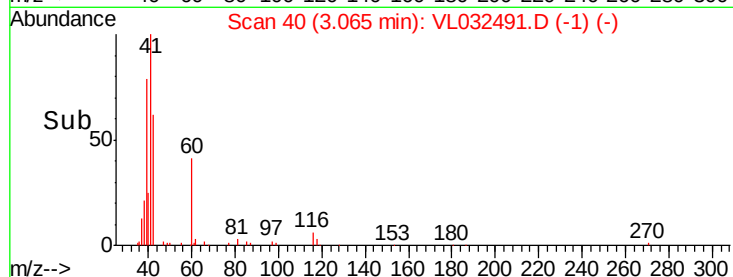
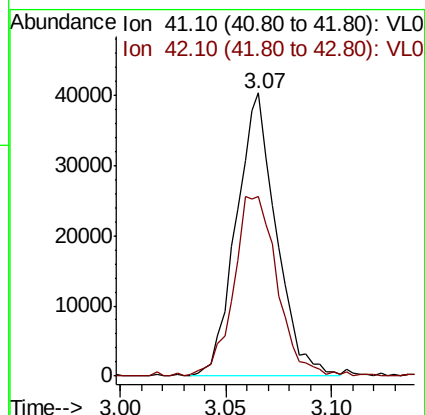
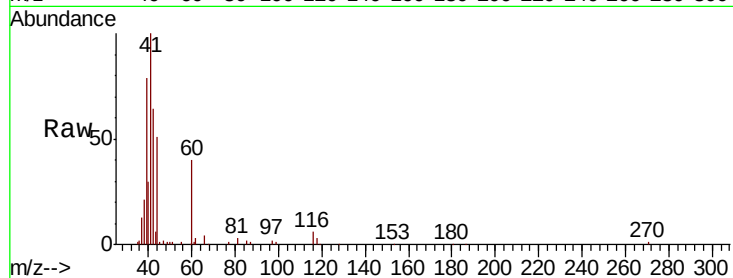
243-BERRYDL

Tgt Ion: 41 Resp: 53016

Ion Ratio Lower Upper

41 100

42 69.7 56.6 84.8



#13

Ethanol

Concen: 0.821 ppbv

RT: 3.70 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL032491.D

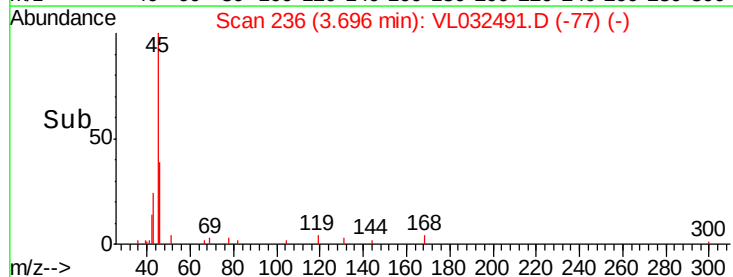
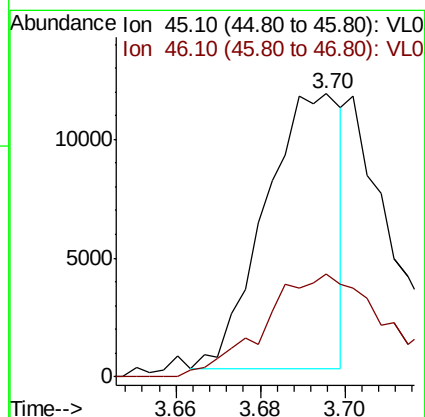
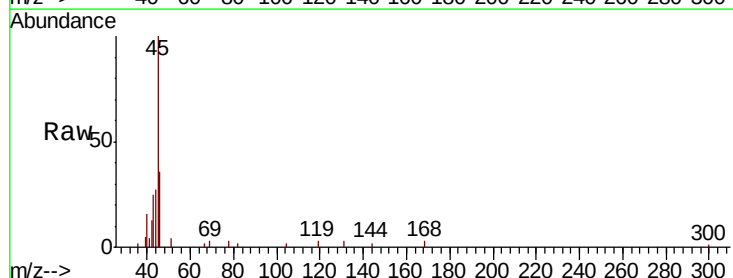
Acq: 10 Sep 2018 23:22

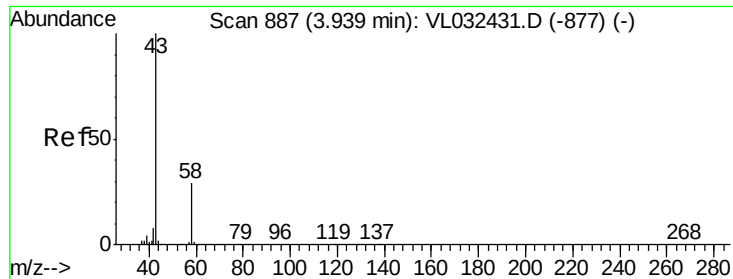
Tgt Ion: 45 Resp: 14499

Ion Ratio Lower Upper

45 100

46 65.5 14.2 56.8#





#15

Acetone

Concen: 1.711 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.00 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

Instrument :

MSVOA_L

ClientSampleId :

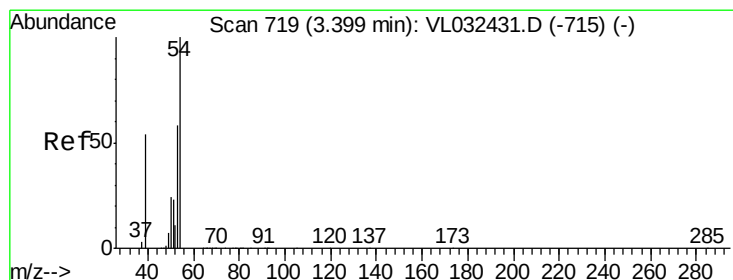
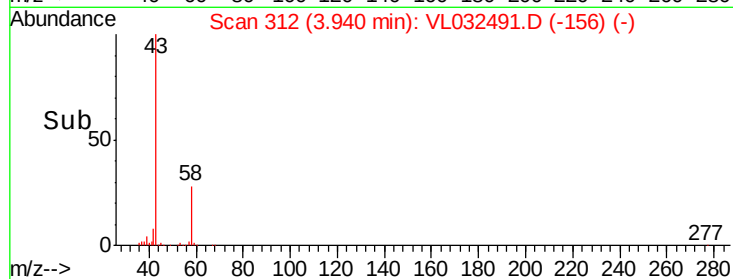
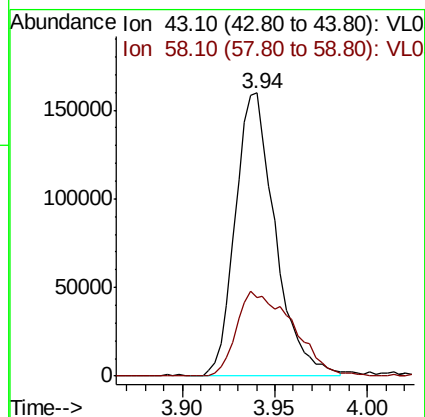
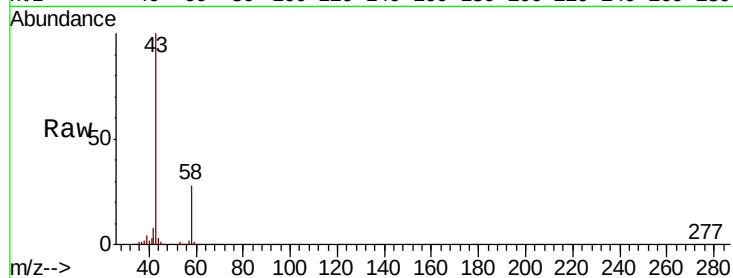
243-BERRYDL

Tgt Ion: 43 Resp: 239017

Ion Ratio Lower Upper

43 100

58 42.6 22.6 33.8#



#16

1,3-Butadiene

Concen: 1.535 ppbv

RT: 3.37 min Scan# 136

Delta R.T. -0.02 min

Lab File: VL032491.D

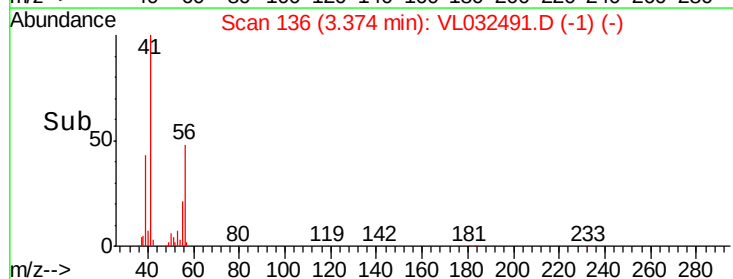
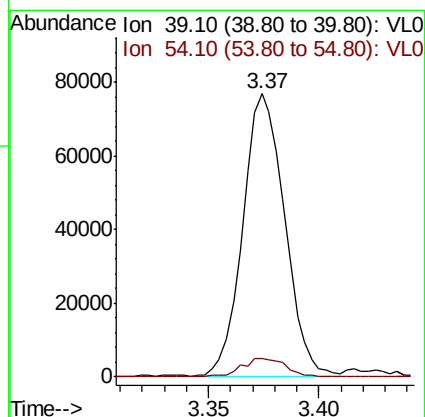
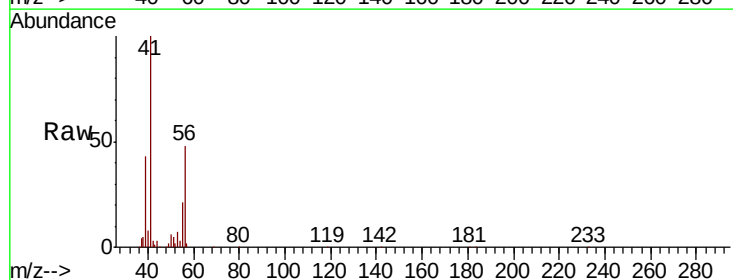
Acq: 10 Sep 2018 23:22

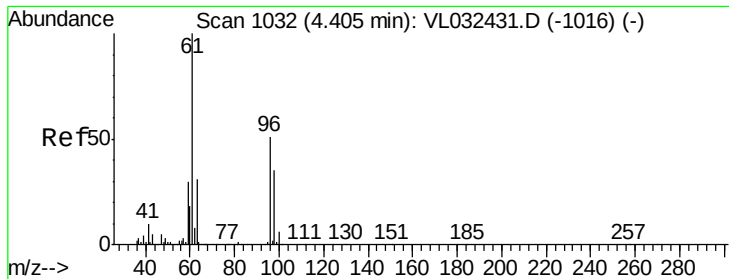
Tgt Ion: 39 Resp: 100911

Ion Ratio Lower Upper

39 100

54 7.3 80.8 121.2#





#17

tert-Butyl alcohol

Concen: 0.296 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

Instrument :

MSVOA_L

ClientSampleId :

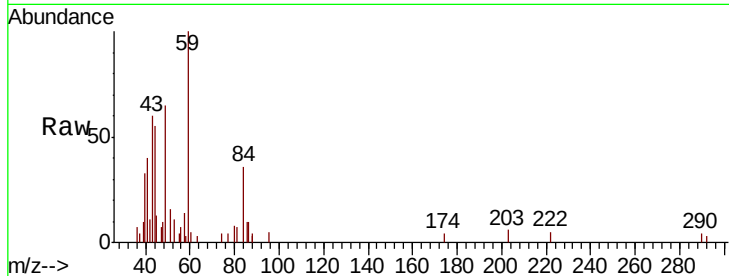
243-BERRYDL

Tgt Ion: 59 Resp: 6356

Ion Ratio Lower Upper

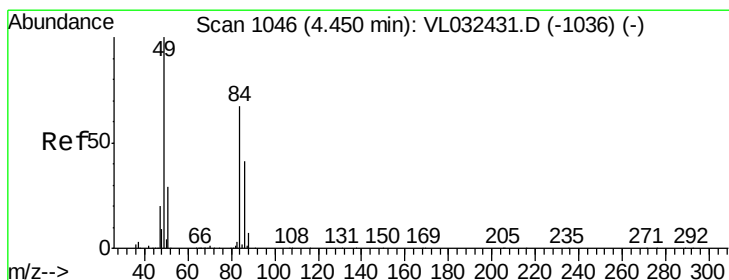
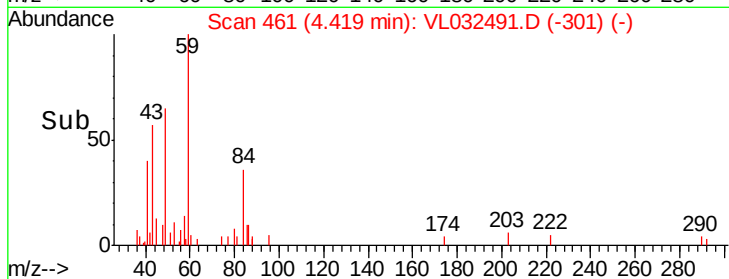
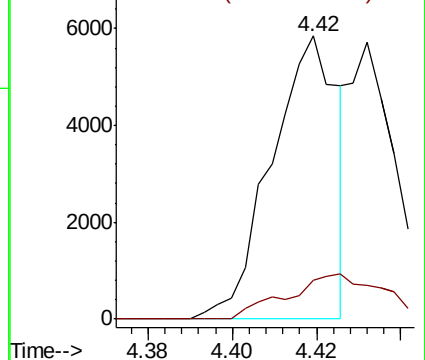
59 100

57 23.4 0.0 0.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#20

Methylene Chloride

Concen: 0.763 ppbv

RT: 4.44 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

Tgt Ion: 84 Resp: 40667

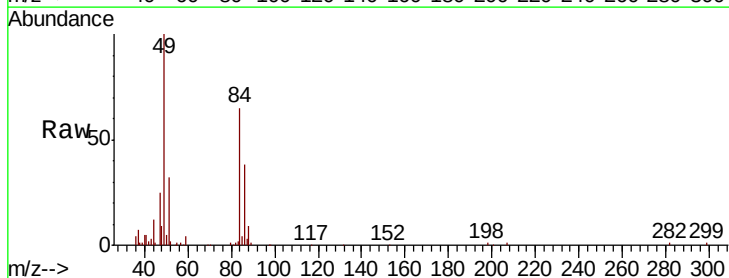
Ion Ratio Lower Upper

84 100

49 151.6 119.1 178.7

51 49.1 35.2 52.8

86 58.5 49.4 74.2

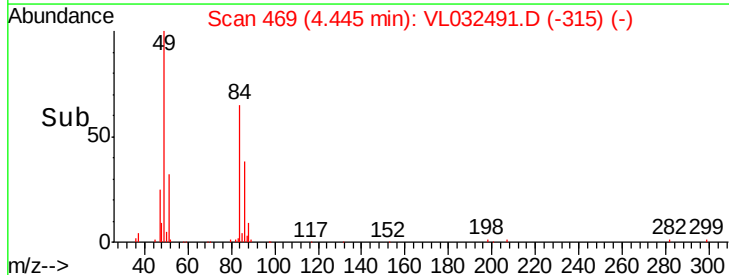
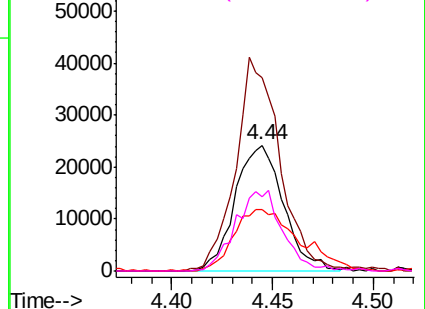


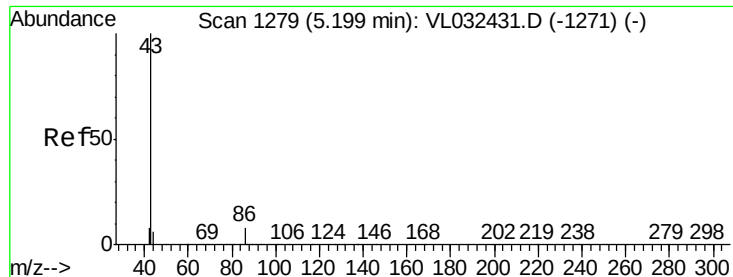
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

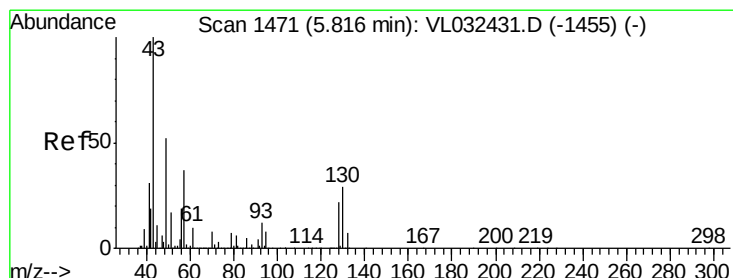
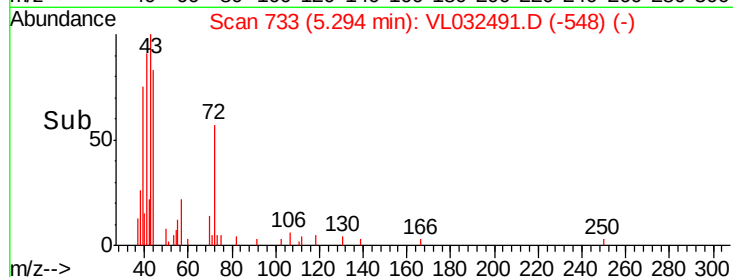
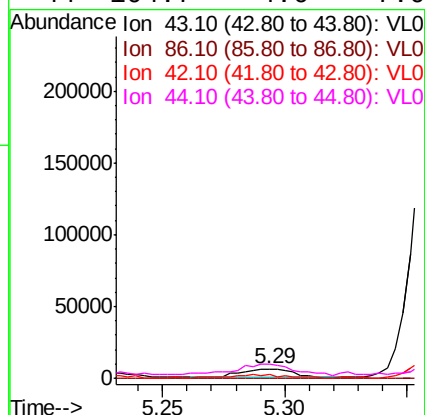
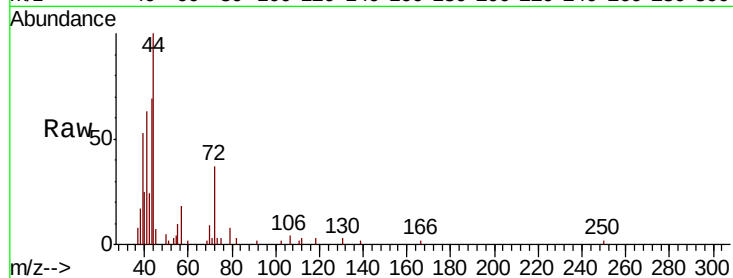




#23
 Vinyl Acetate
 Concen: 0.039 ppbv
 RT: 5.29 min Scan# 733
 Delta R.T. 0.09 min
 Lab File: VL032491.D
 Acq: 10 Sep 2018 23:22

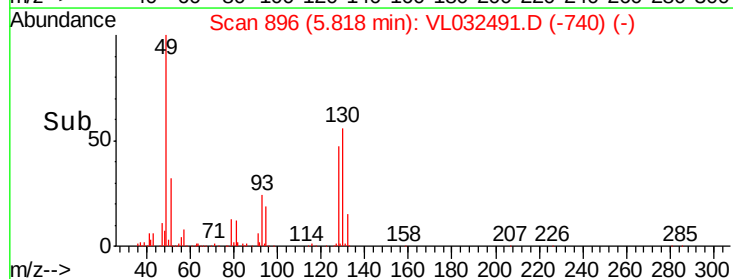
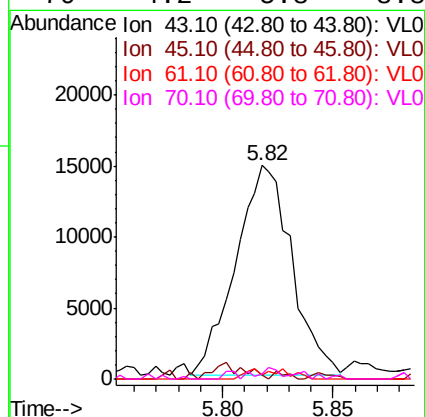
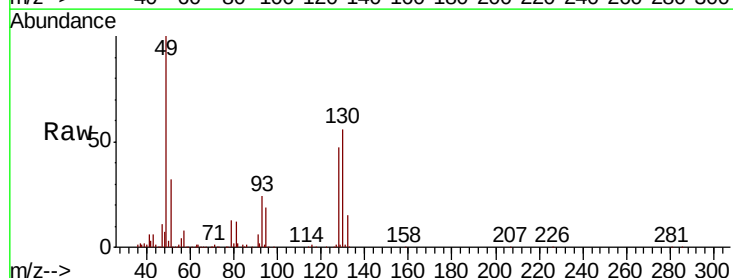
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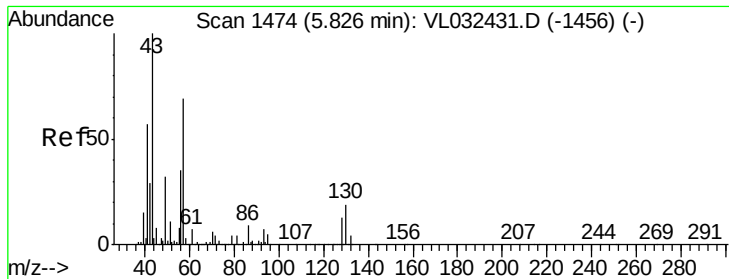
Tgt Ion:	43	Resp:	9009
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	37.2	6.9	10.3#
44	104.7	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 0.079 ppbv
 RT: 5.82 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL032491.D
 Acq: 10 Sep 2018 23:22

Tgt Ion:	43	Resp:	26104
Ion	Ratio	Lower	Upper
43	100		
45	6.4	8.0	12.0#
61	3.2	7.6	11.4#
70	4.2	5.8	8.8#

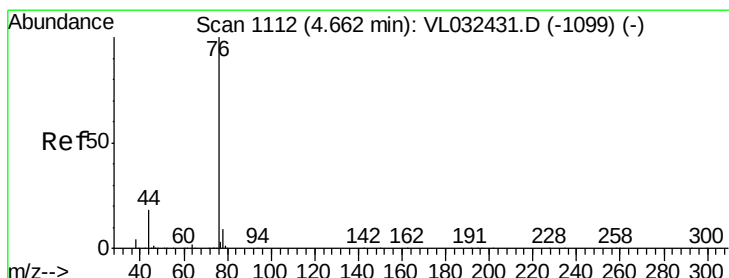
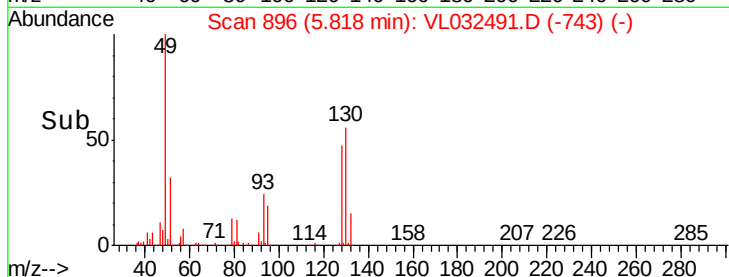
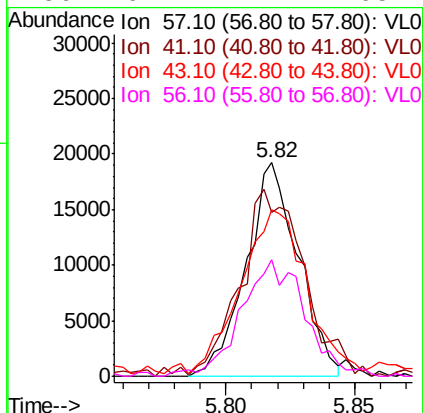
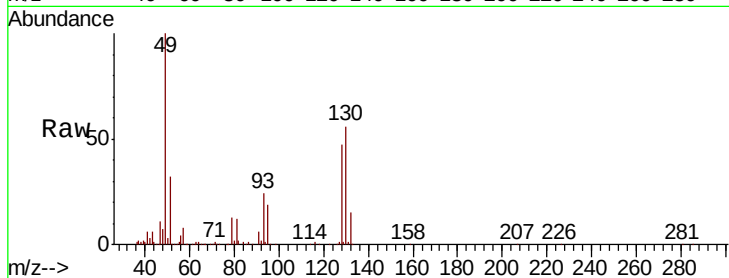




#26
Hexane
Concen: 0.184 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032491.D
Acq: 10 Sep 2018 23:22

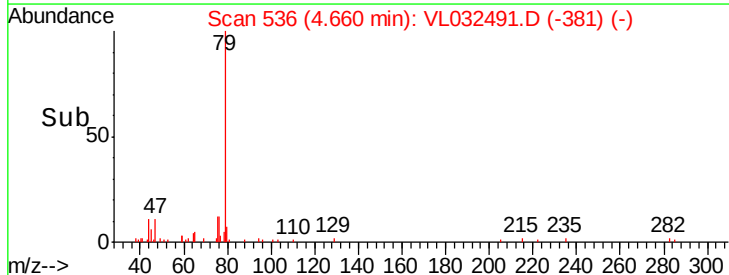
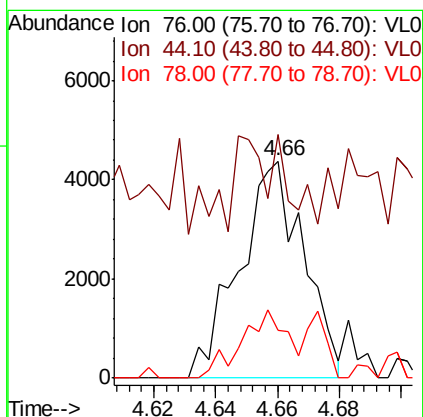
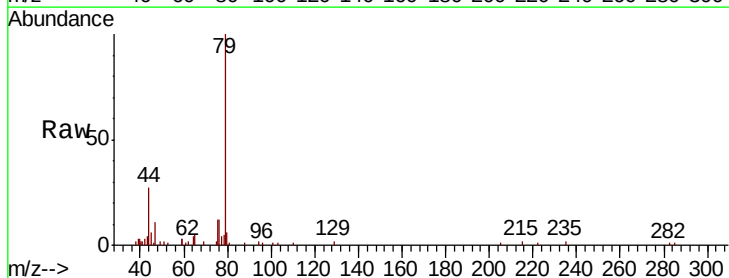
Instrument :
MSVOA_L
ClientSampleId :
243-BERRYDL

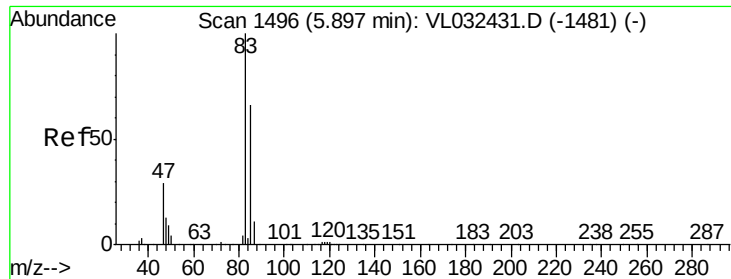
Tgt Ion: 57 Resp: 27193
Ion Ratio Lower Upper
57 100
41 109.9 69.0 103.4#
43 112.4 172.1 258.1#
56 67.4 42.2 63.2#



#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 4.66 min Scan# 536
Delta R.T. -0.00 min
Lab File: VL032491.D
Acq: 10 Sep 2018 23:22

Tgt Ion: 76 Resp: 6360
Ion Ratio Lower Upper
76 100
44 37.8 14.0 21.0#
78 42.0 7.5 11.3#





#29

Chloroform

Concen: 0.032 ppbv

RT: 5.89 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

Instrument :

MSVOA_L

ClientSampleId :

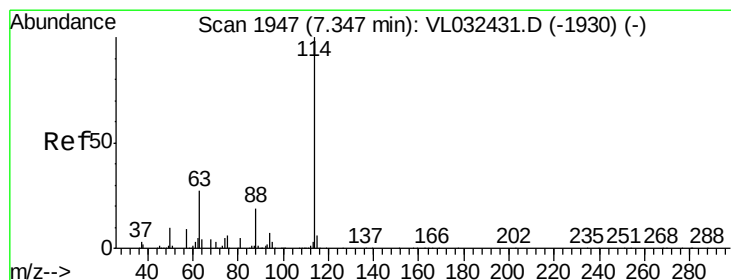
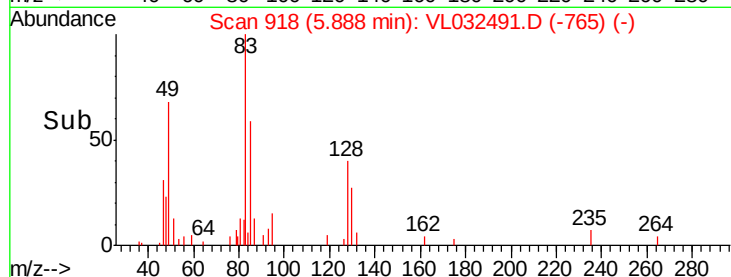
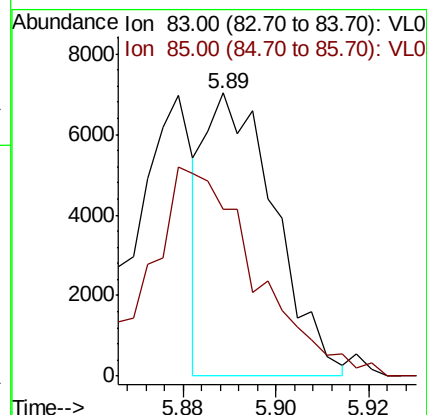
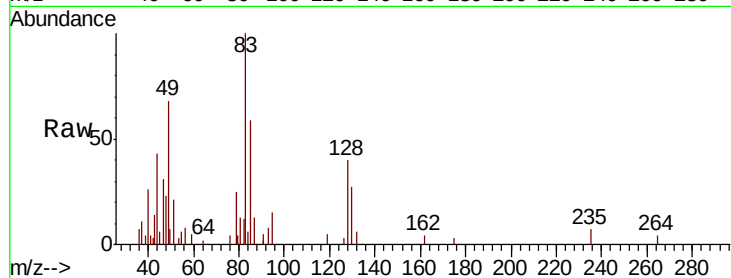
243-BERRYDL

Tgt Ion: 83 Resp: 7303

Ion Ratio Lower Upper

83 100

85 53.1 52.5 78.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL032491.D

Acq: 10 Sep 2018 23:22

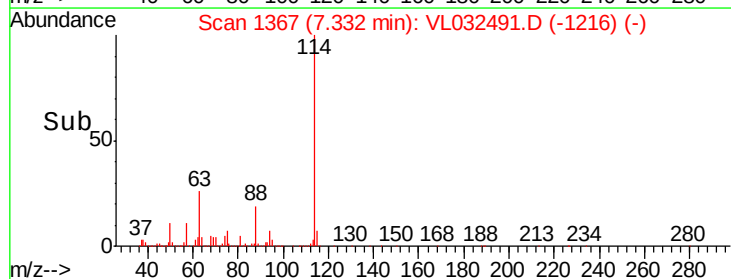
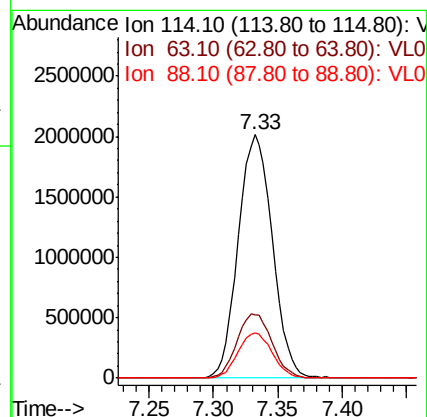
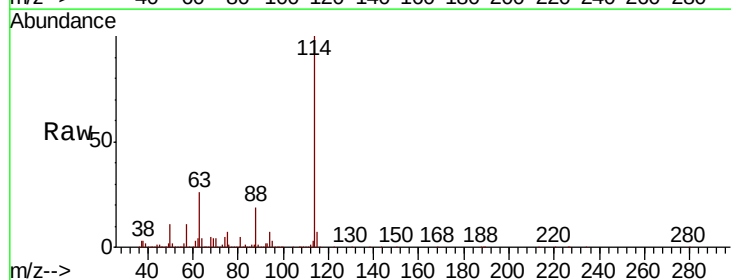
Tgt Ion: 114 Resp: 3722270

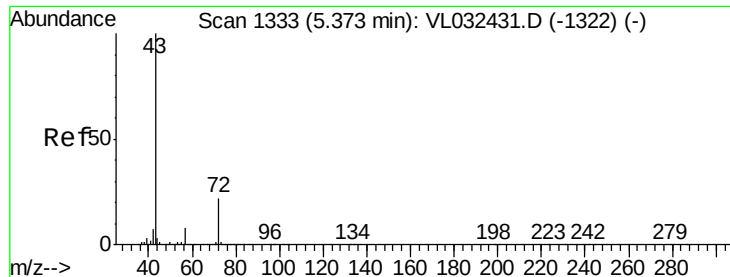
Ion Ratio Lower Upper

114 100

63 27.0 22.2 33.4

88 18.7 15.0 22.4

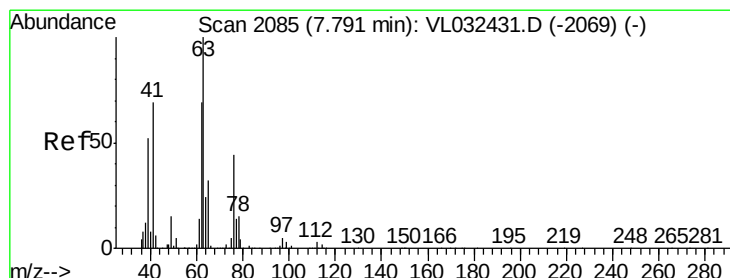
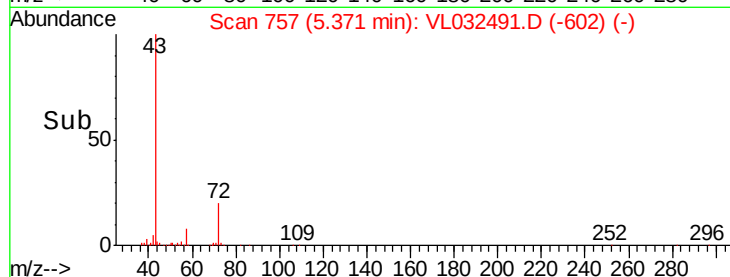
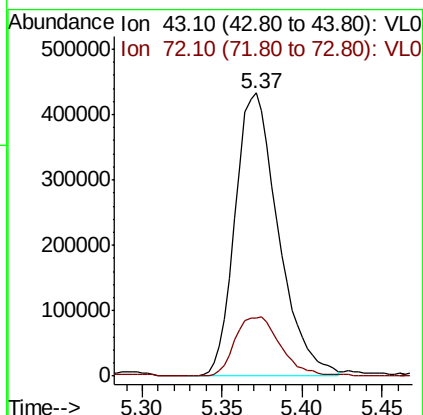
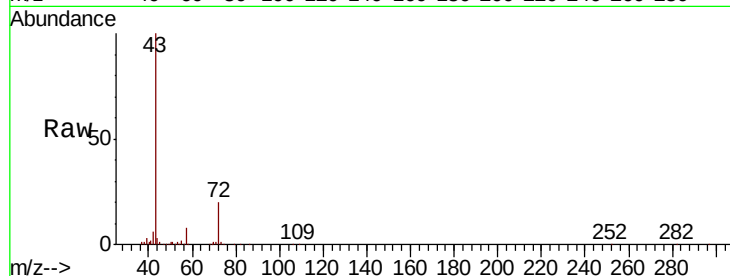




#34
 2-Butanone
 Concen: 3.222 ppbv
 RT: 5.37 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: VL032491.D
 Acq: 10 Sep 2018 23:22

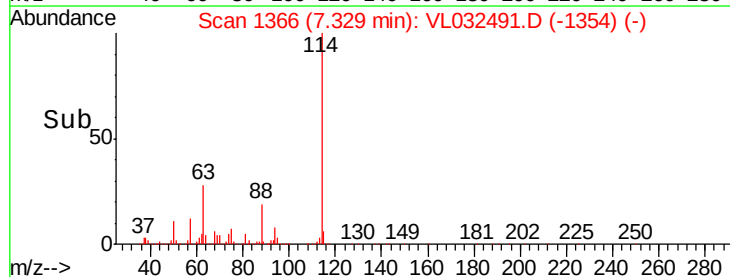
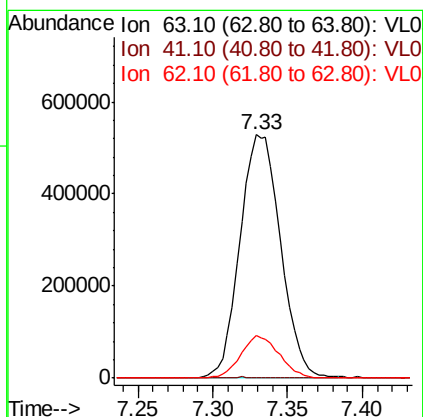
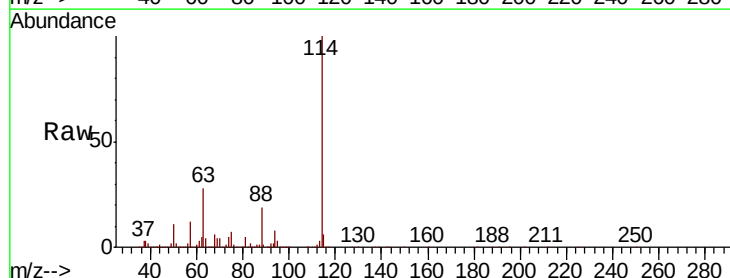
Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRYDL

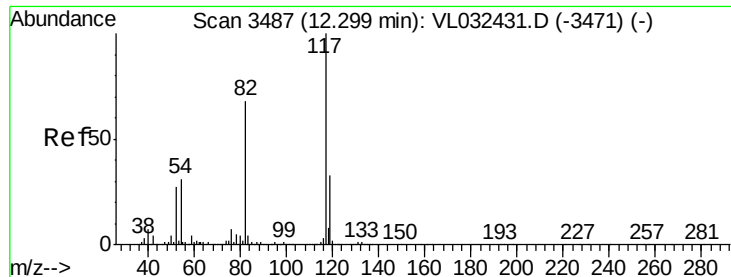
Tgt Ion: 43 Resp: 796501
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.8 26.6



#39
 1,2-Dichloropropane
 Concen: 7.386 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.46 min
 Lab File: VL032491.D
 Acq: 10 Sep 2018 23:22

Tgt Ion: 63 Resp: 1001051
 Ion Ratio Lower Upper
 63 100
 41 0.2 55.4 83.0#
 62 17.4 55.4 83.0#

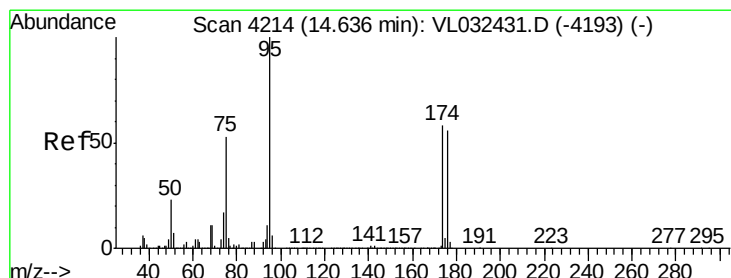
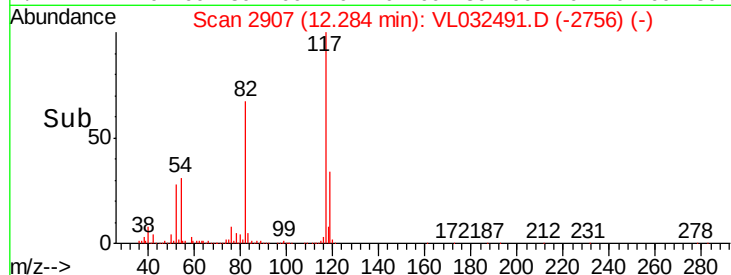
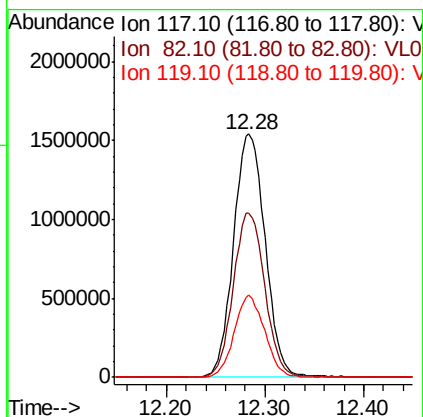
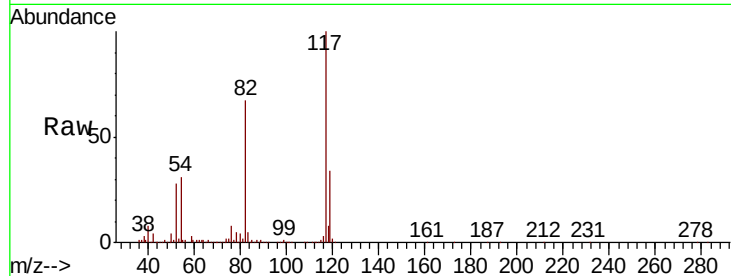




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032491.D
Acq: 10 Sep 2018 23:22

Instrument :
MSVOA_L
ClientSampleId :
243-BERRYDL

Tgt Ion: 117 Resp: 3442316
Ion Ratio Lower Upper
117 100
82 67.5 53.0 79.6
119 32.6 45.9 68.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.207 ppbv
RT: 14.62 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL032491.D
Acq: 10 Sep 2018 23:22

Tgt Ion: 95 Resp: 2608553
Ion Ratio Lower Upper
95 100
174 57.4 46.3 69.5
175 4.0 3.4 5.0

