

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
 Data File : VL032487.D
 Acq On : 10 Sep 2018 20:43
 Operator : SY/AP
 Sample : J4820-01DL 10X DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 239-BERRYDL

Quant Time: Sep 11 01:11:37 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	1578178	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3564447	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3390867	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2652731	10.54	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

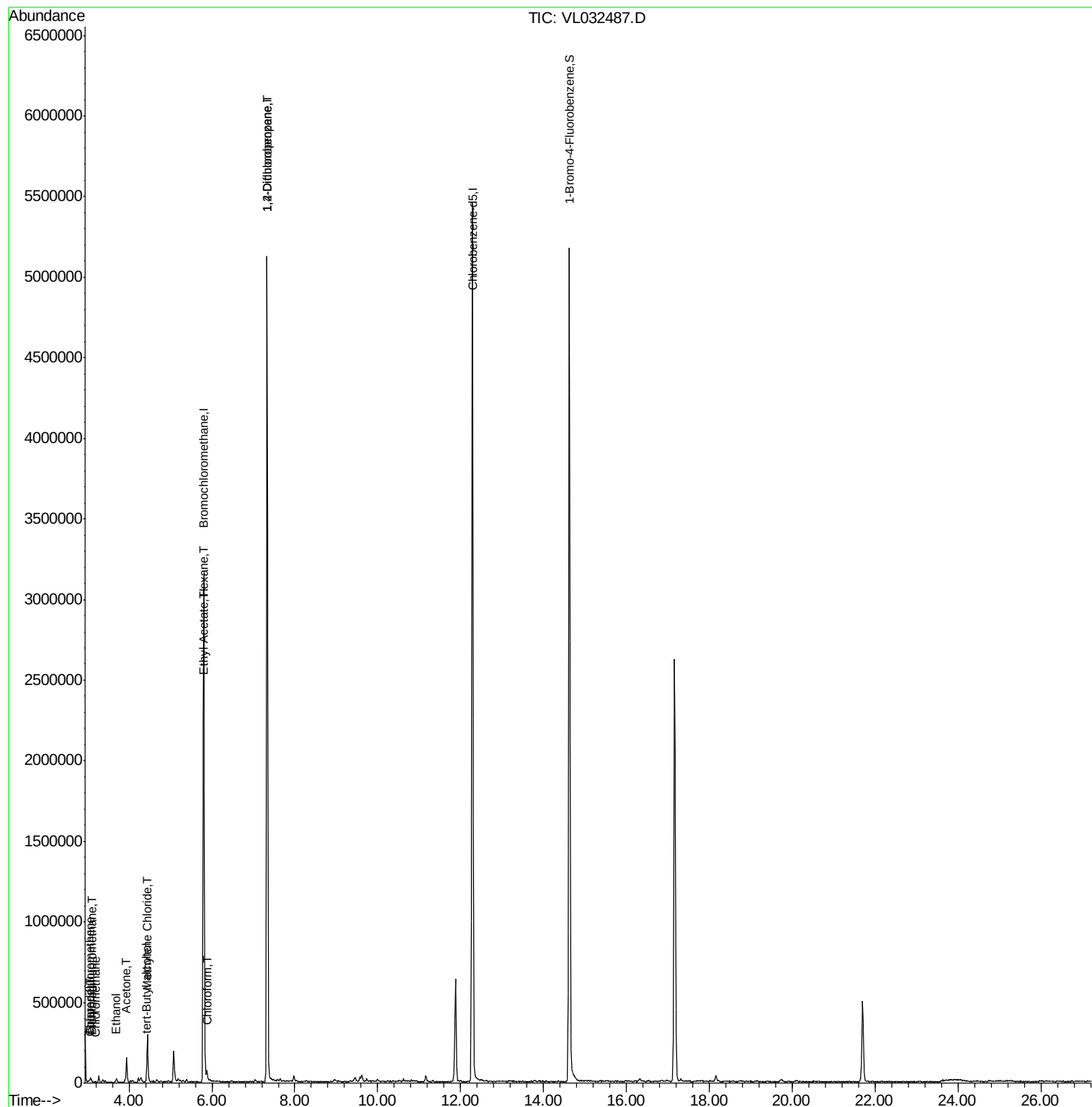
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	10881	0.054	ppbv	99
3) Chlorodifluoromethane	3.04	51	8796	0.062	ppbv	94
4) Chloromethane	3.20	50	5140	0.059	ppbv	90
9) Propene	3.07	41	3754	0.065	ppbv	96
13) Ethanol	3.68	45	6852	0.381	ppbv #	39
15) Acetone	3.94	43	150698	1.060	ppbv	98
17) tert-Butyl alcohol	4.41	59	1611	0.074	ppbv #	100
20) Methylene Chloride	4.44	84	99137	1.829	ppbv	97
25) Ethyl Acetate	5.82	43	48630	0.145	ppbv #	79
26) Hexane	5.81	57	64162	0.427	ppbv #	42
29) Chloroform	5.89	83	35300	0.154	ppbv	99
39) 1,2-Dichloropropane	7.33	63	977484	7.532	ppbv #	26

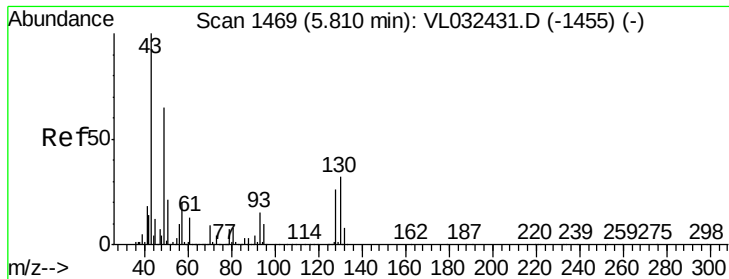
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 11 01:11:37 2018
Quant Method : Z:\V0ASRV\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

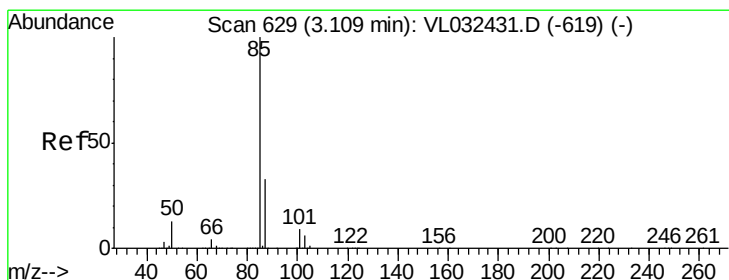
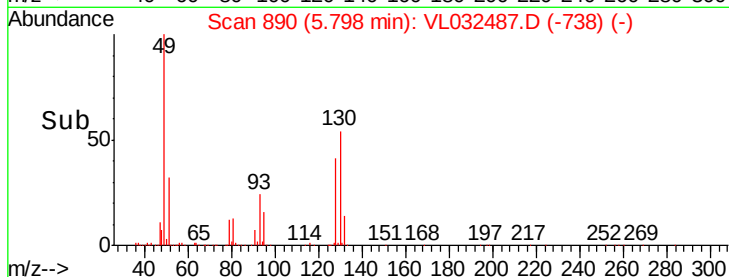
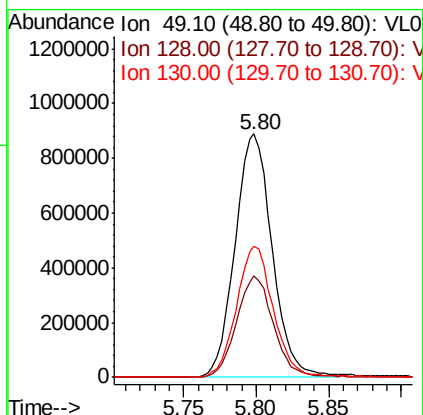
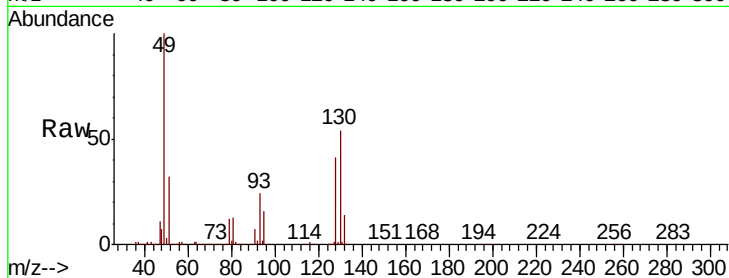




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.80 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VL032487.D
 Acq: 10 Sep 2018 20:43

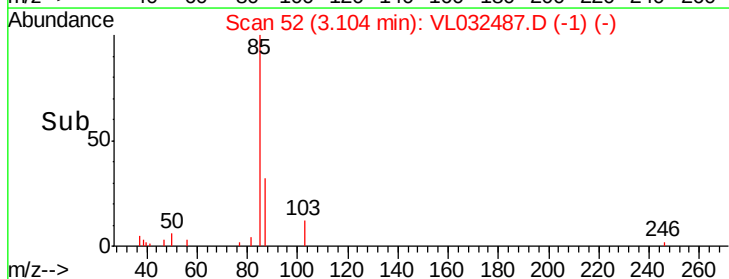
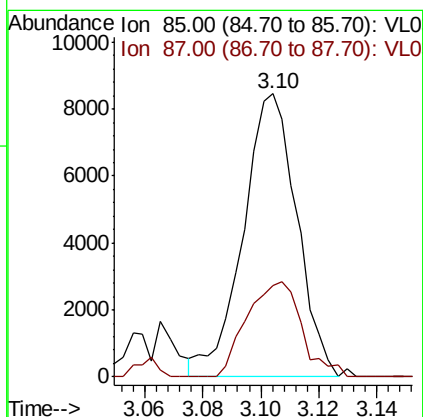
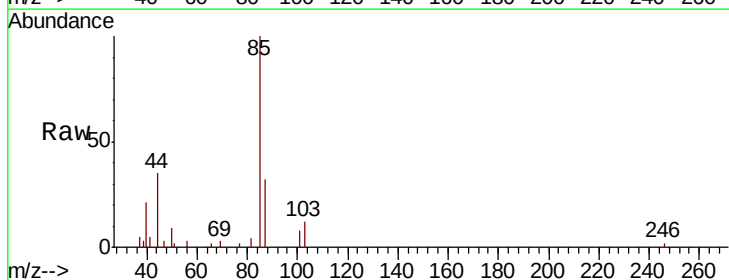
Instrument :
 MSVOA_L
 ClientSampleId :
 239-BERRYDL

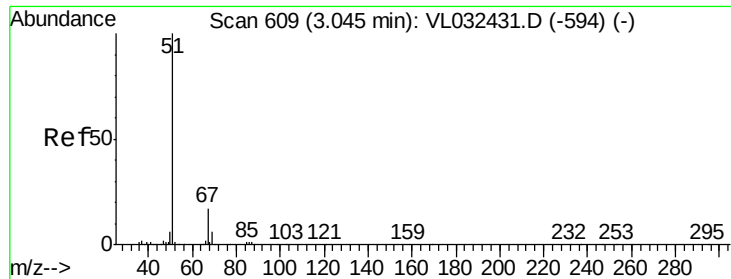
Tgt Ion: 49 Resp: 1578178
 Ion Ratio Lower Upper
 49 100
 128 42.0 20.7 62.1
 130 54.1 26.6 79.7



#2
 Dichlorodifluoromethane
 Concen: 0.054 ppbv
 RT: 3.10 min Scan# 52
 Delta R.T. -0.01 min
 Lab File: VL032487.D
 Acq: 10 Sep 2018 20:43

Tgt Ion: 85 Resp: 10881
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.062 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032487.D

Acq: 10 Sep 2018 20:43

Instrument :

MSVOA_L

ClientSampleId :

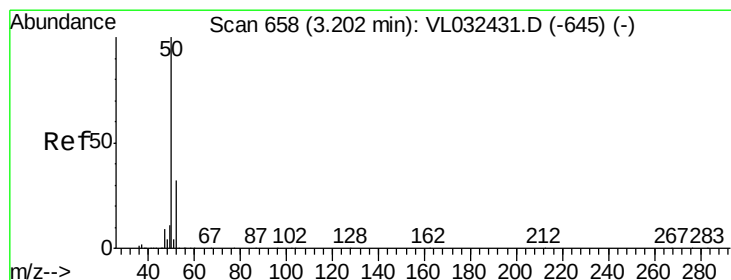
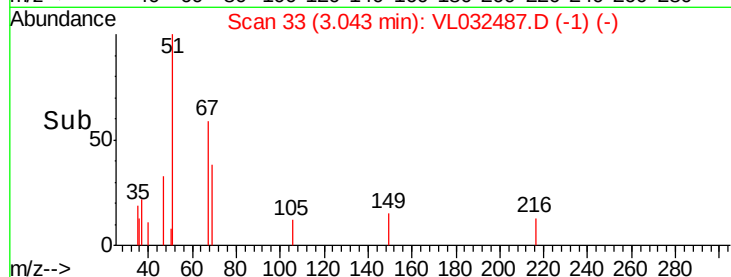
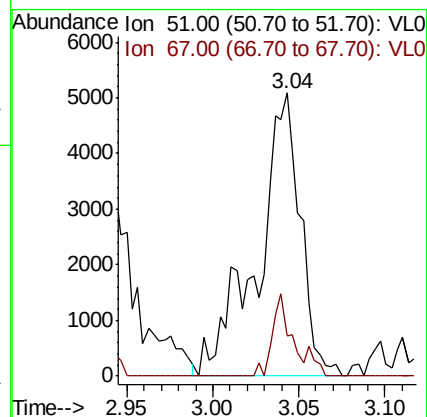
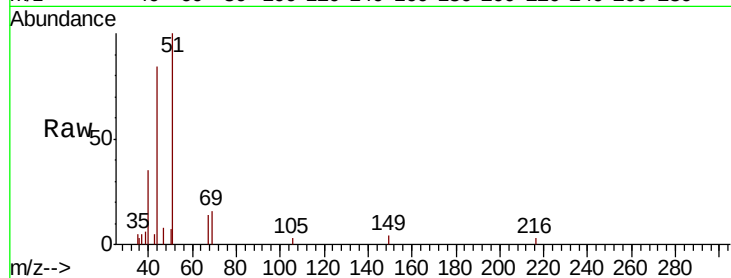
239-BERRYDL

Tgt Ion: 51 Resp: 8796

Ion Ratio Lower Upper

51 100

67 14.5 13.8 20.8



#4

Chloromethane

Concen: 0.059 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL032487.D

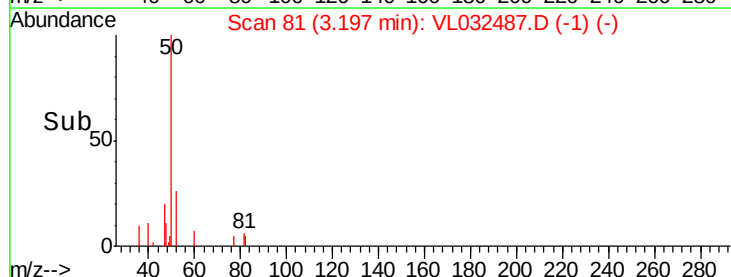
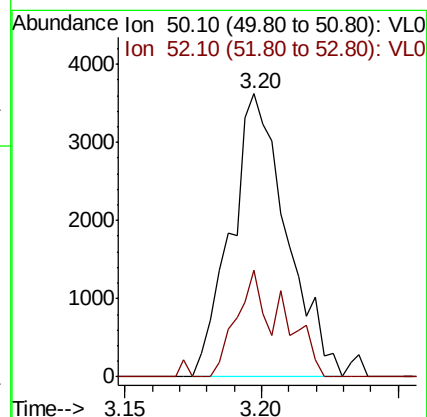
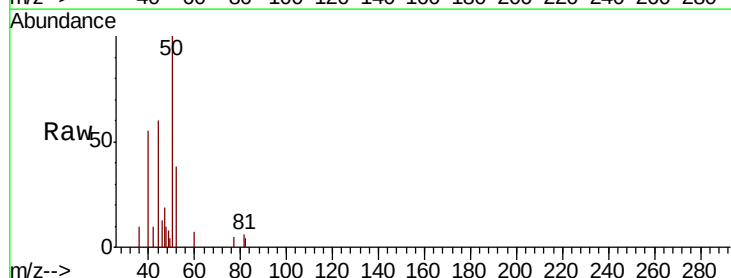
Acq: 10 Sep 2018 20:43

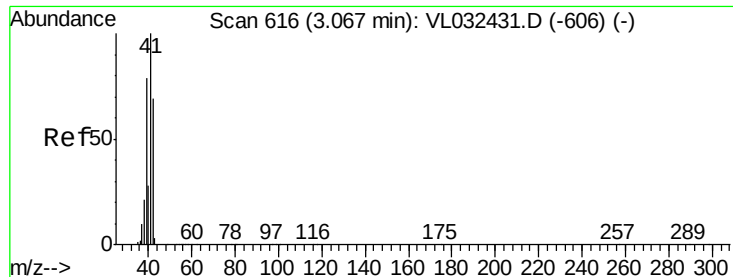
Tgt Ion: 50 Resp: 5140

Ion Ratio Lower Upper

50 100

52 37.7 25.6 38.4





#9

Propene

Concen: 0.065 ppbv

RT: 3.07 min Scan# 42

Delta R.T. 0.00 min

Lab File: VL032487.D

Acq: 10 Sep 2018 20:43

Instrument :

MSVOA_L

ClientSampleId :

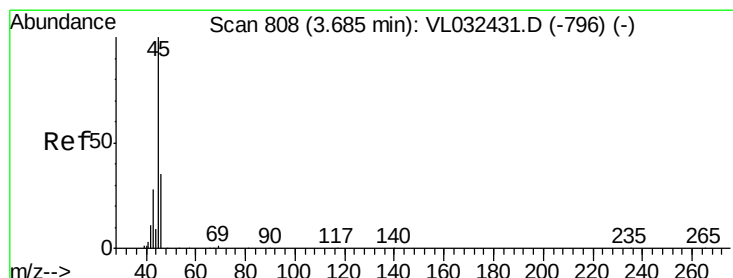
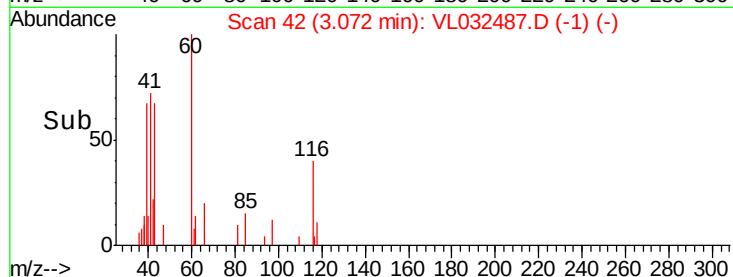
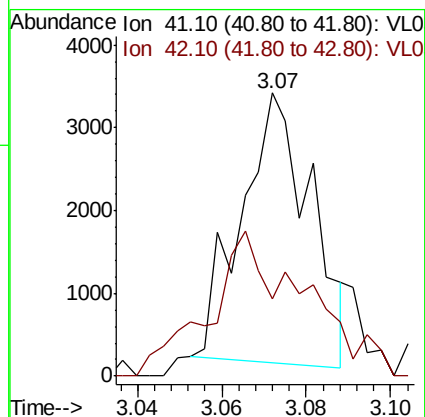
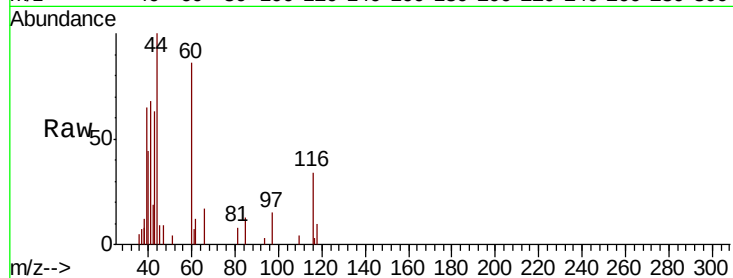
239-BERRYDL

Tgt Ion: 41 Resp: 3754

Ion Ratio Lower Upper

41 100

42 73.7 56.6 84.8



#13

Ethanol

Concen: 0.381 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032487.D

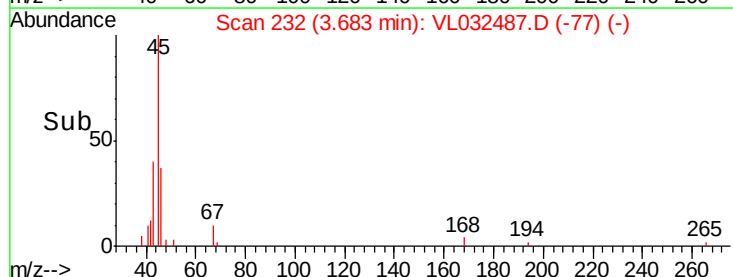
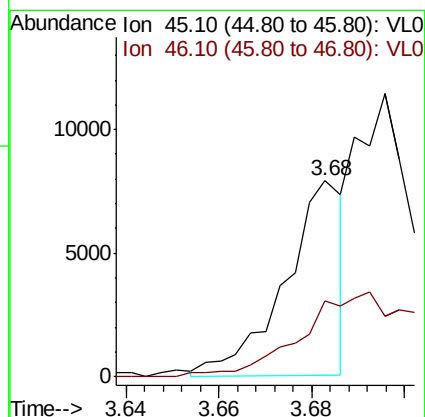
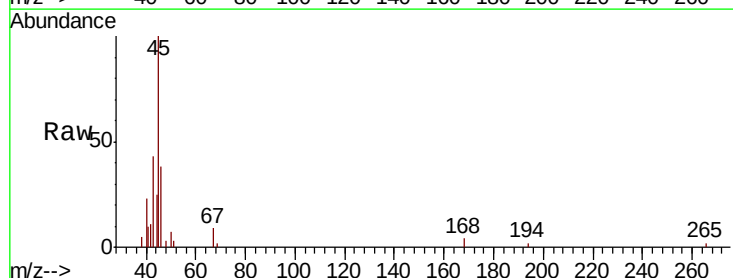
Acq: 10 Sep 2018 20:43

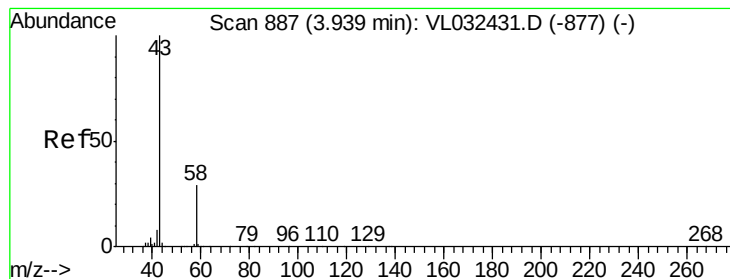
Tgt Ion: 45 Resp: 6852

Ion Ratio Lower Upper

45 100

46 0.0 14.2 56.8#





#15

Acetone

Concen: 1.060 ppbv

RT: 3.94 min Scan# 311

Delta R.T. -0.00 min

Lab File: VL032487.D

Acq: 10 Sep 2018 20:43

Instrument :

MSVOA_L

ClientSampleId :

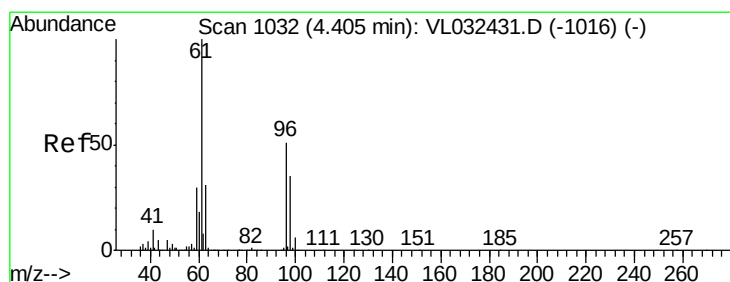
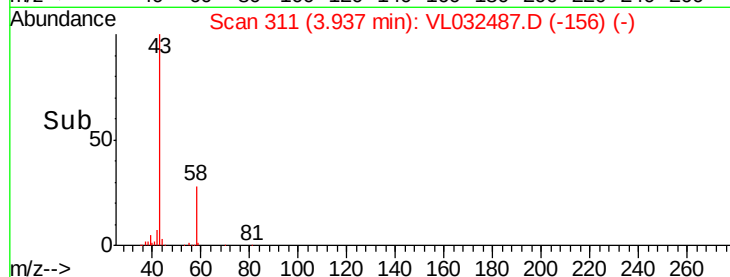
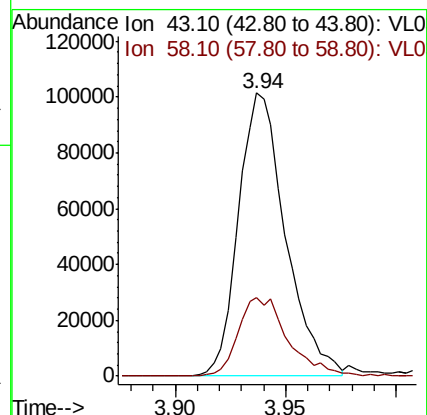
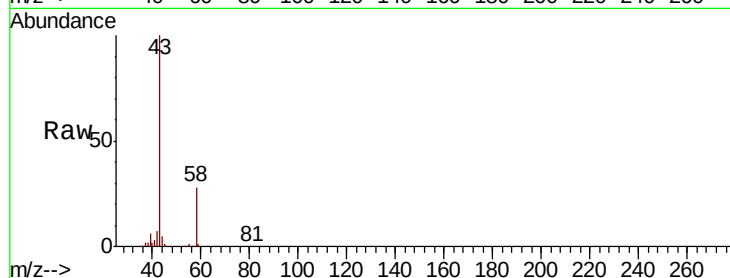
239-BERRYDL

Tgt Ion: 43 Resp: 150698

Ion Ratio Lower Upper

43 100

58 29.5 22.6 33.8



#17

tert-Butyl alcohol

Concen: 0.074 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL032487.D

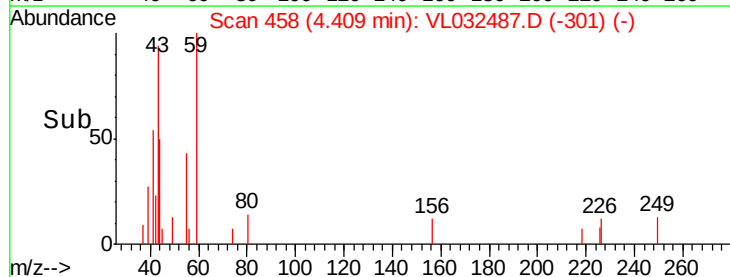
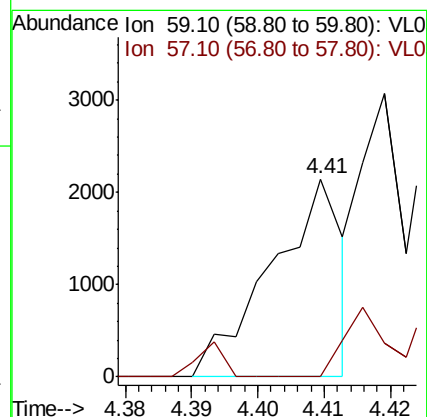
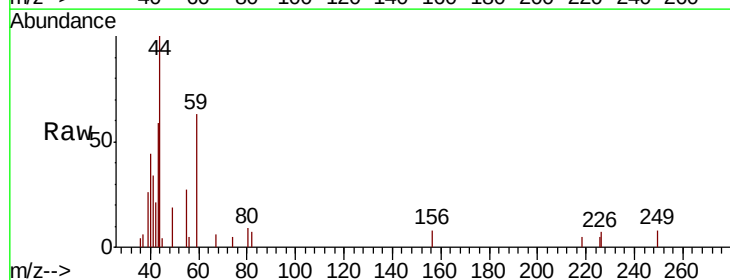
Acq: 10 Sep 2018 20:43

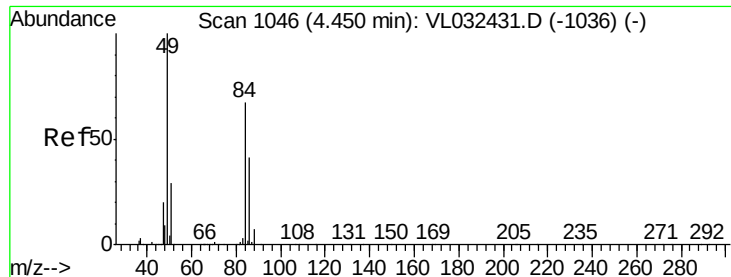
Tgt Ion: 59 Resp: 1611

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0

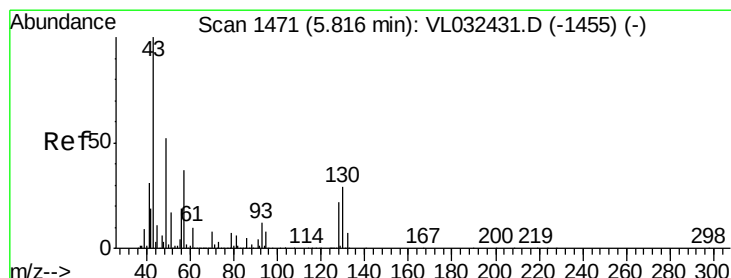
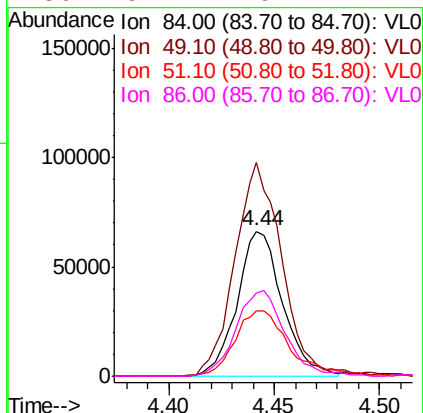
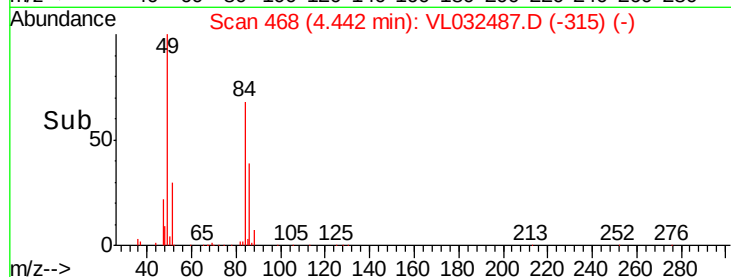
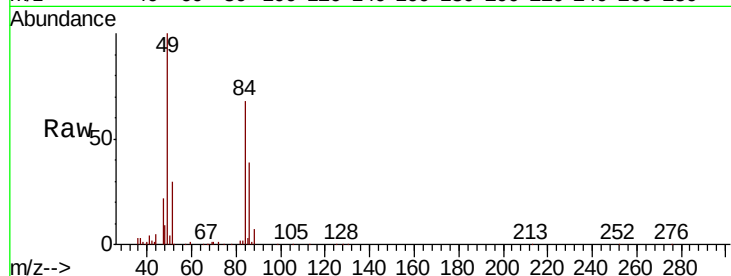




#20
Methylene Chloride
Concen: 1.829 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032487.D
Acq: 10 Sep 2018 20:43

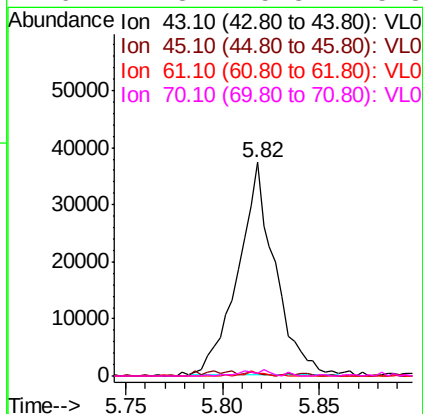
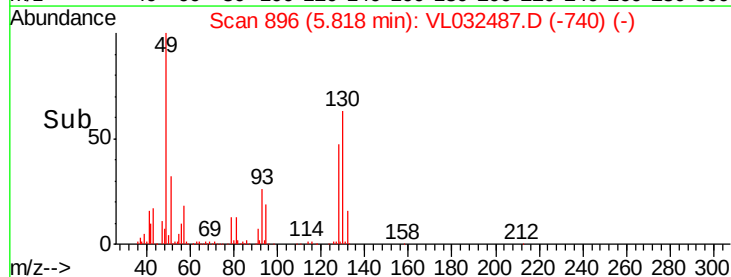
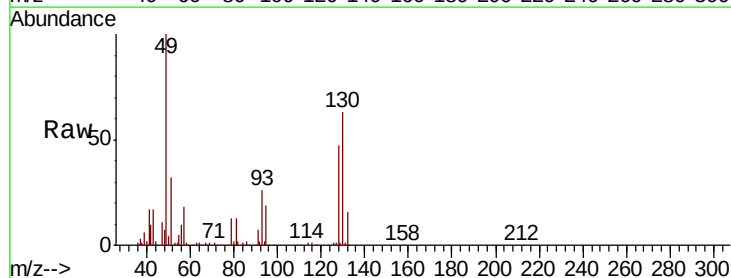
Instrument :
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ClientSampleId :
239-BERRYDL

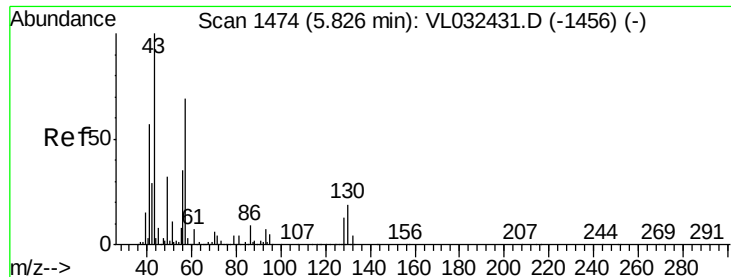
Tgt Ion:	84	Resp:	99137
Ion	Ratio	Lower	Upper
84	100		
49	146.6	119.1	178.7
51	44.7	35.2	52.8
86	57.7	49.4	74.2



#25
Ethyl Acetate
Concen: 0.145 ppbv
RT: 5.82 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL032487.D
Acq: 10 Sep 2018 20:43

Tgt Ion:	43	Resp:	48630
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.0	12.0#
61	1.1	7.6	11.4#
70	2.8	5.8	8.8#

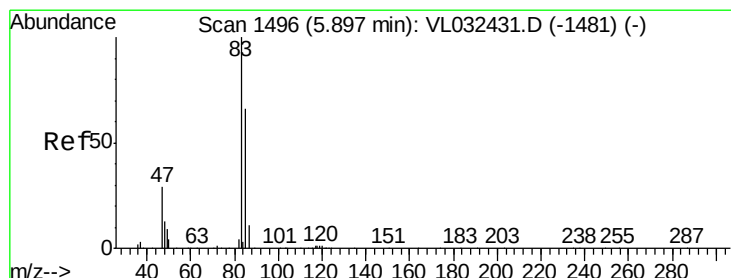
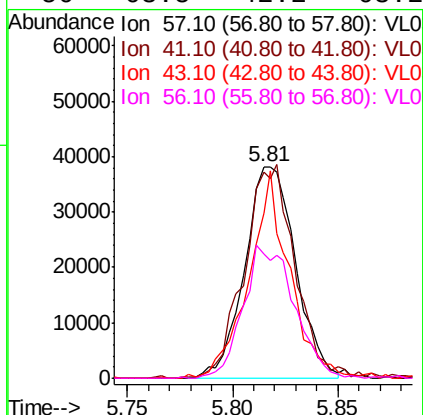
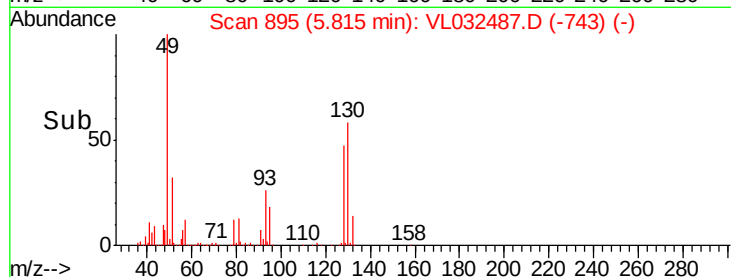
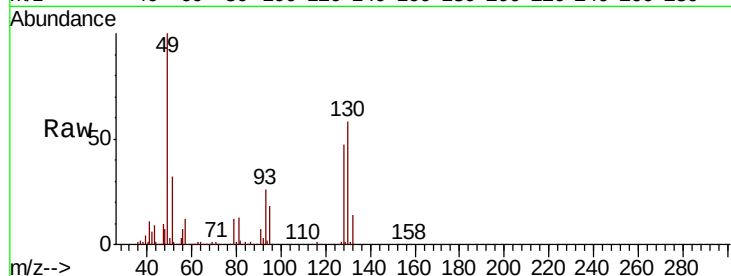




#26
Hexane
Concen: 0.427 ppbv
RT: 5.81 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL032487.D
Acq: 10 Sep 2018 20:43

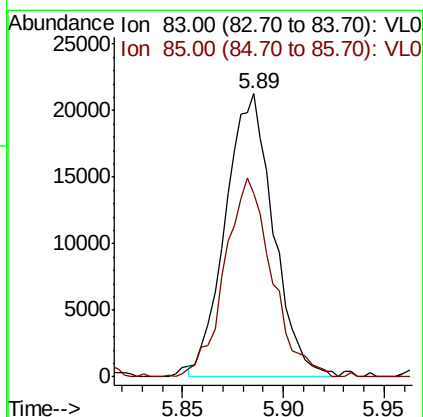
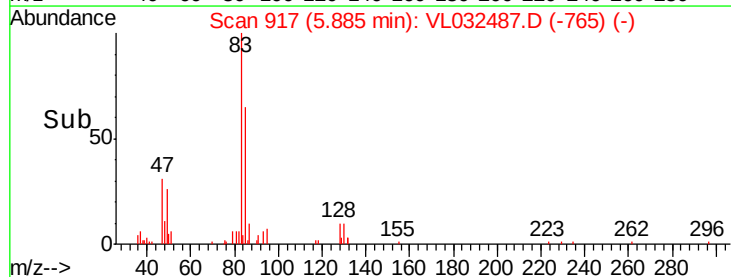
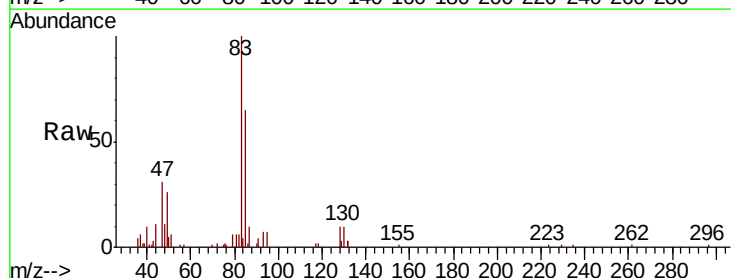
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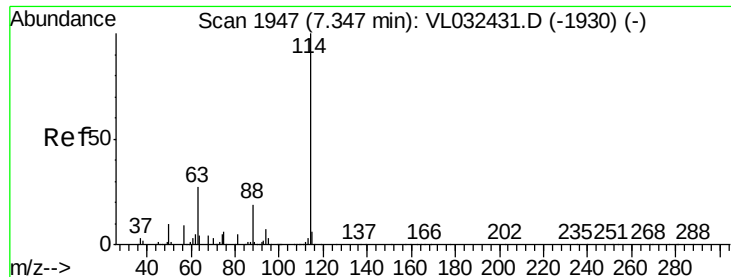
Tgt Ion: 57 Resp: 64162
Ion Ratio Lower Upper
57 100
41 100.5 69.0 103.4
43 79.0 172.1 258.1#
56 63.5 42.2 63.2#



#29
Chloroform
Concen: 0.154 ppbv
RT: 5.89 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL032487.D
Acq: 10 Sep 2018 20:43

Tgt Ion: 83 Resp: 35300
Ion Ratio Lower Upper
83 100
85 64.9 52.5 78.7

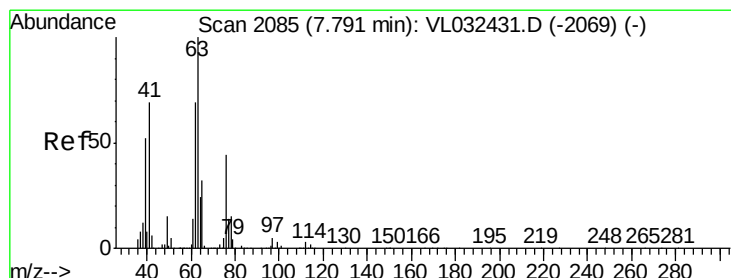
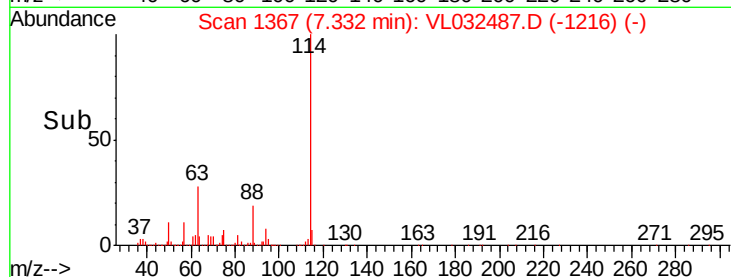
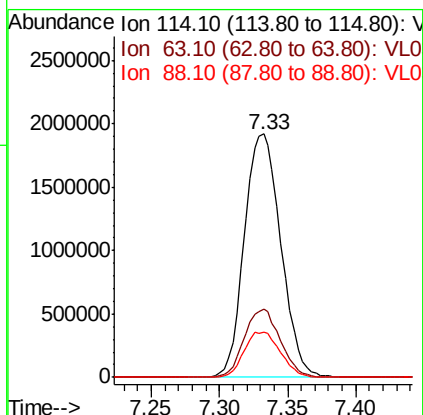
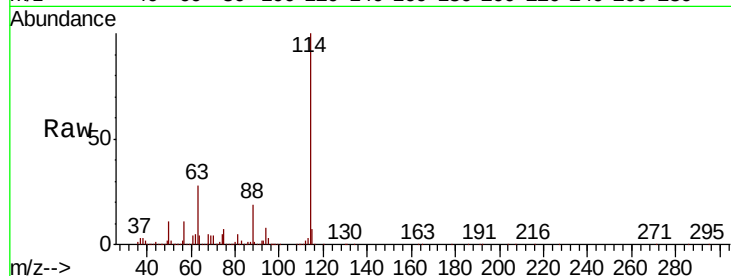




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL032487.D
 Acq: 10 Sep 2018 20:43

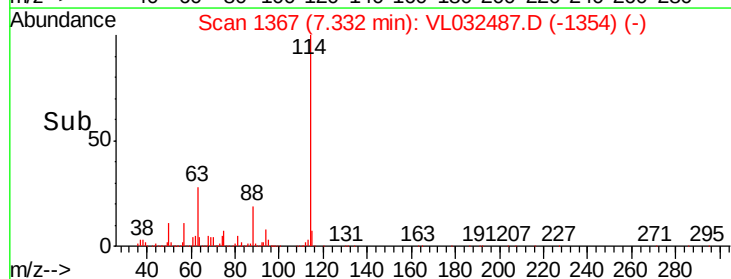
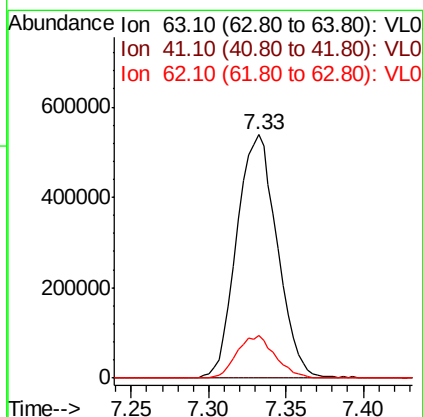
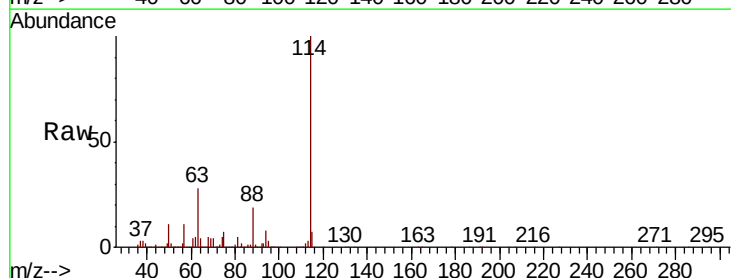
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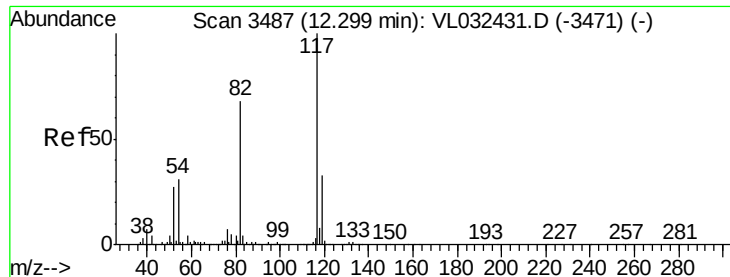
Tgt Ion: 114 Resp: 3564447
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.2 33.4
 88 18.7 15.0 22.4



#39
 1,2-Dichloropropane
 Concen: 7.532 ppbv
 RT: 7.33 min Scan# 1367
 Delta R.T. -0.46 min
 Lab File: VL032487.D
 Acq: 10 Sep 2018 20:43

Tgt Ion: 63 Resp: 977484
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.4 83.0#
 62 17.7 55.4 83.0#

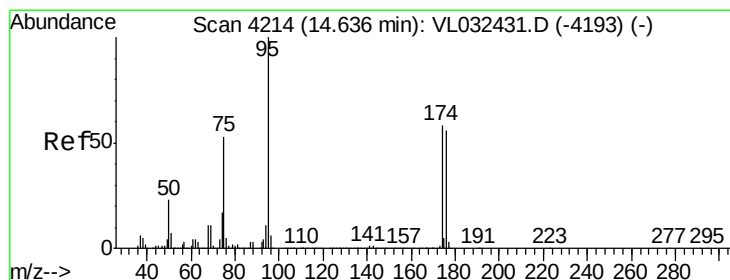
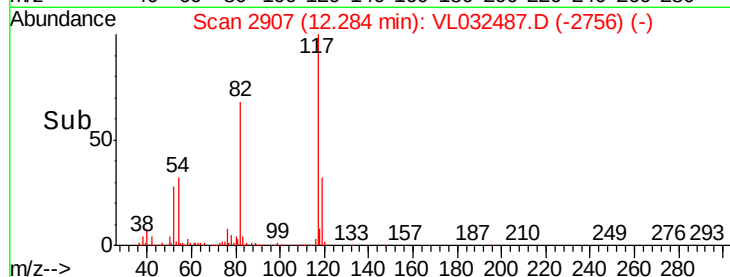
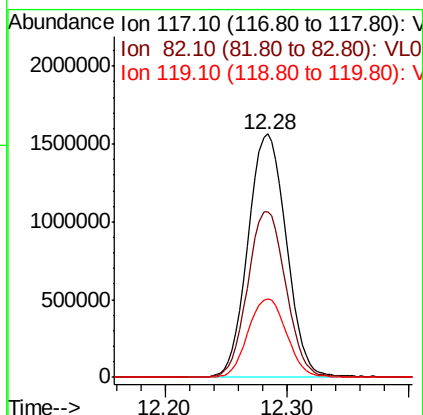
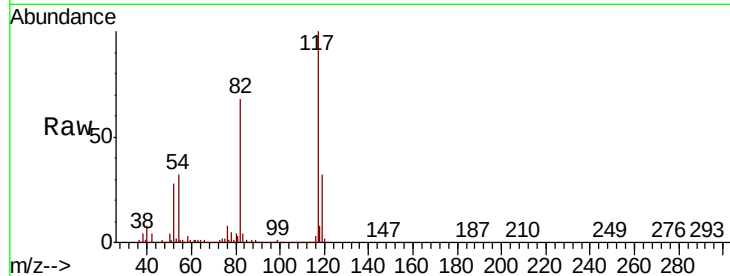




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032487.D
Acq: 10 Sep 2018 20:43

Instrument :
MSVOA_L
ClientSampleId :
239-BERRYDL

Tgt Ion: 117 Resp: 3390867
Ion Ratio Lower Upper
117 100
82 68.4 53.0 79.6
119 32.9 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.537 ppbv
RT: 14.62 min Scan# 3633
Delta R.T. -0.02 min
Lab File: VL032487.D
Acq: 10 Sep 2018 20:43

Tgt Ion: 95 Resp: 2652731
Ion Ratio Lower Upper
95 100
174 58.1 46.3 69.5
175 4.1 3.4 5.0

