

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
 Data File : VL032493.D
 Acq On : 11 Sep 2018 00:41
 Operator : SY/AP
 Sample : 4820-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL

Quant Time: Sep 11 01:12:56 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	1508561	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3560374	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3493938	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2727508	10.51	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

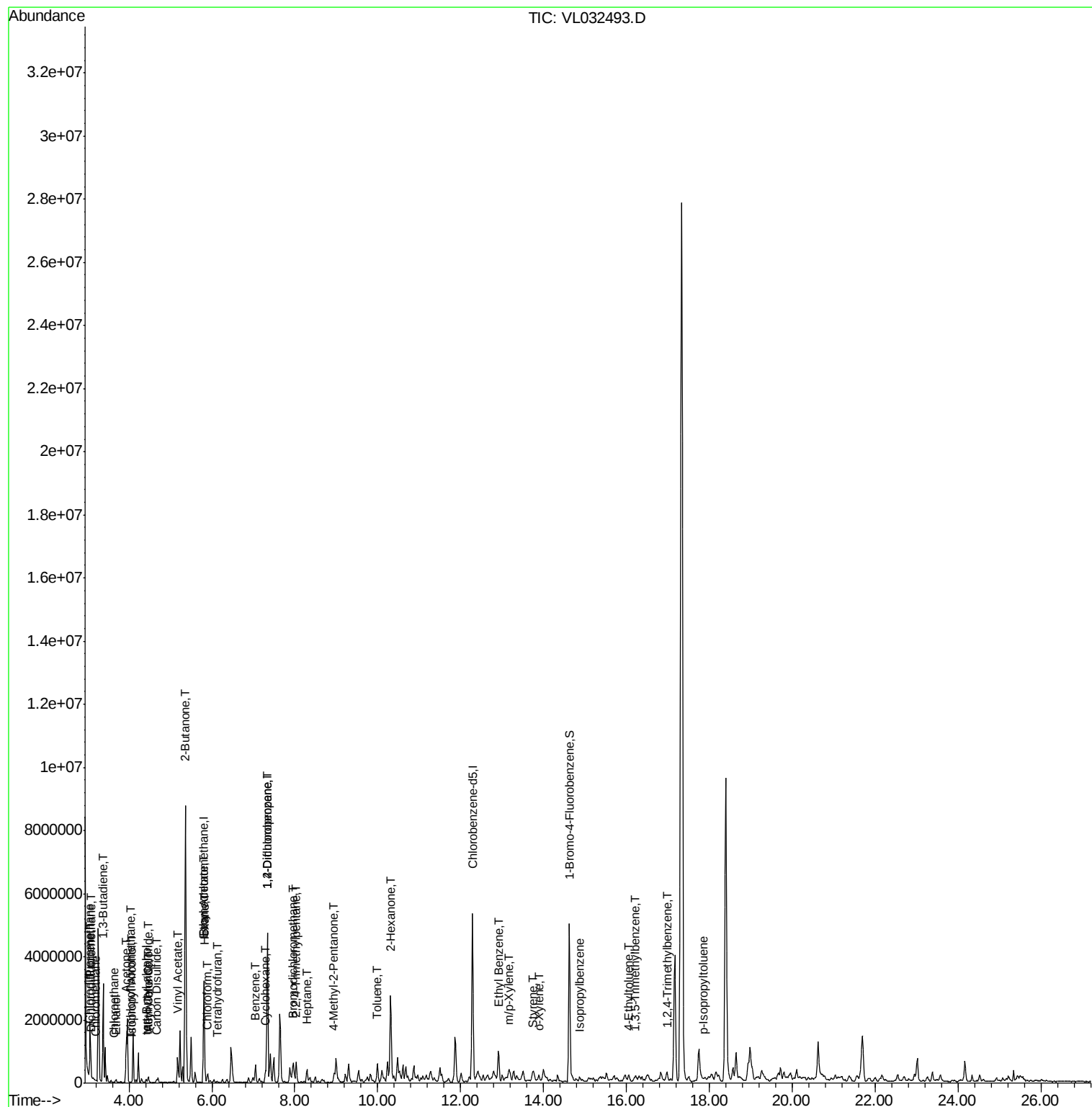
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	10750	0.056	ppbv #	79
3) Chlorodifluoromethane	3.04	51	7182	0.053	ppbv #	75
4) Chloromethane	3.20	50	4492	0.054	ppbv #	84
7) Chloroethane	3.63	64	1044	0.037	ppbv #	72
9) Propene	3.06	41	749070	13.598	ppbv	96
10) Heptane	8.29	43	174774	0.884	ppbv	97
11) Trichlorofluoromethane	4.04	101	5968	0.034	ppbv	85
13) Ethanol	3.69	45	100500	5.853	ppbv	95
15) Acetone	3.93	43	1381441	10.169	ppbv #	60
16) 1,3-Butadiene	3.37	39	729150	11.406	ppbv #	9
17) tert-Butyl alcohol	4.40	59	33885	1.621	ppbv #	100
19) Isopropyl Alcohol	4.06	45	3158	0.035	ppbv #	93
20) Methylene Chloride	4.44	84	28946	0.559	ppbv #	93
21) Allyl Chloride	4.47	41	21103	0.234	ppbv #	26
23) Vinyl Acetate	5.17	43	361206	1.604	ppbv #	1
25) Ethyl Acetate	5.82	43	168628	0.526	ppbv #	78
26) Hexane	5.82	57	229473	1.597	ppbv #	13
27) Carbon Disulfide	4.66	76	32505	0.245	ppbv #	69
29) Chloroform	5.89	83	167819	0.766	ppbv	98
30) Cyclohexane	7.29	84	120454	1.145	ppbv #	85
34) 2-Butanone	5.36	43	11055958	46.750	ppbv	94
36) Benzene	7.05	78	429428	1.417	ppbv	94
39) 1,2-Dichloropropane	7.34	63	928895	7.165	ppbv #	25
41) Tetrahydrofuran	6.12	42	4674	0.036	ppbv #	68
42) Bromodichloromethane	7.96	83	72121	0.282	ppbv #	36
44) 2,2,4-Trimethylpentane	8.04	57	257295	0.439	ppbv #	3
50) 4-Methyl-2-Pentanone	8.93	43	16353	0.046	ppbv #	63
51) 2-Hexanone	10.31	43	2484030	10.825	ppbv #	96
53) Toluene	9.99	91	322435	1.018	ppbv	97
58) Ethyl Benzene	12.91	91	151702	0.363	ppbv	95
59) m/p-Xylene	13.17	91	151109	0.405	ppbv #	49
60) o-Xylene	13.90	91	42808	0.117	ppbv #	3
61) Styrene	13.72	104	51568	0.218	ppbv #	43
62) Isopropylbenzene	14.87	105	115513	0.224	ppbv	100
69) p-Isopropyltoluene	17.85	119	18605	0.036	ppbv #	83
72) 4-Ethyltoluene	16.05	105	39462	0.099	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.20	105	54154	0.135	ppbv	90
74) 1,2,4-Trimethylbenzene	16.97	105	90456	0.207	ppbv #	69

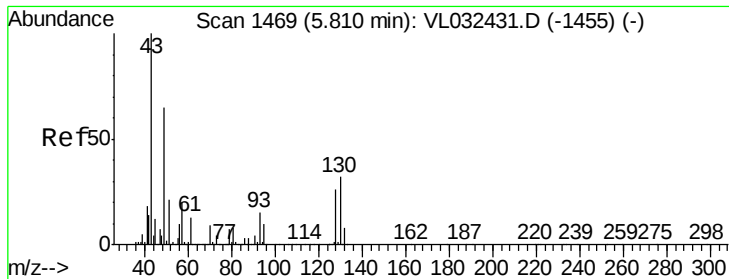
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 892

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

245-BERRYDL

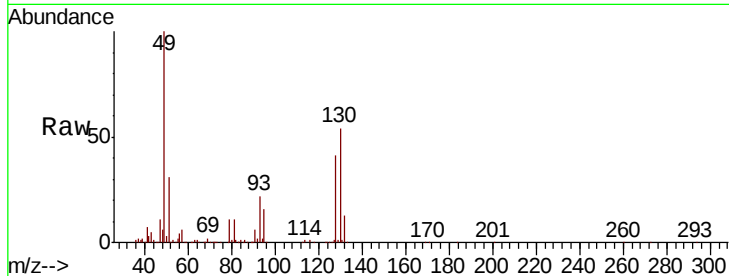
Tgt Ion: 49 Resp: 1508561

Ion Ratio Lower Upper

49 100

128 42.4 20.7 62.1

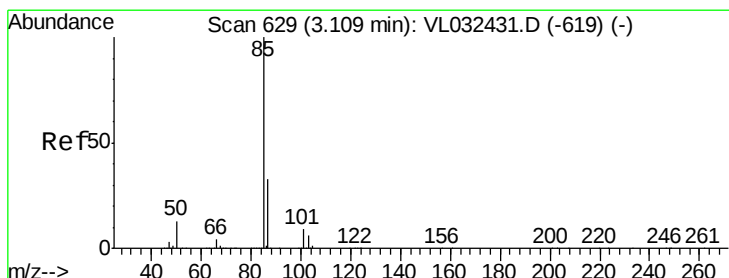
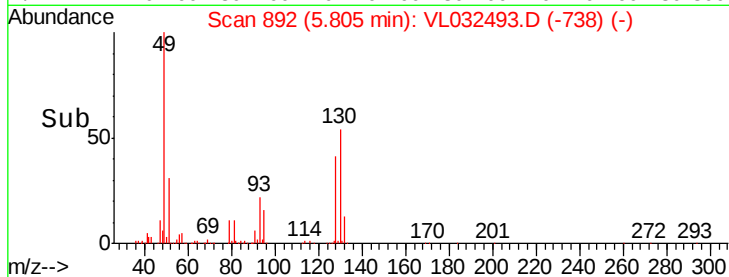
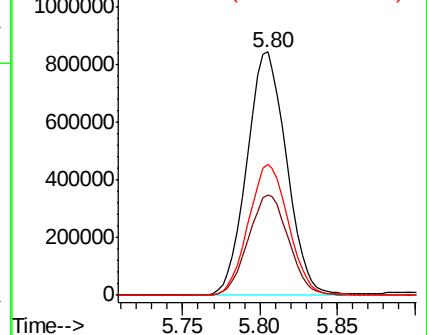
130 54.8 26.6 79.7



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: 0.056 ppbv

RT: 3.10 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL032493.D

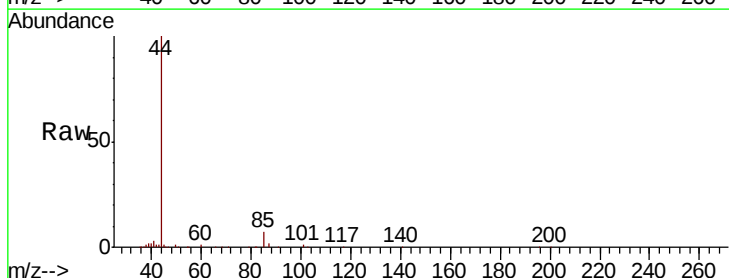
Acq: 11 Sep 2018 00:41

Tgt Ion: 85 Resp: 10750

Ion Ratio Lower Upper

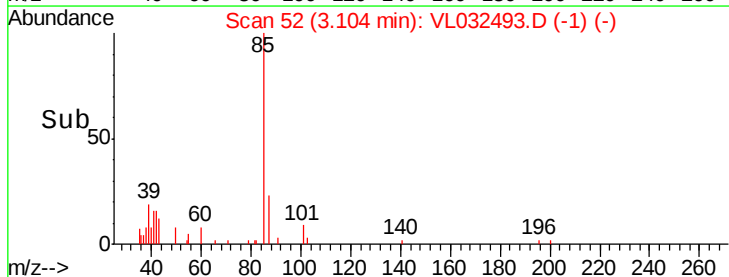
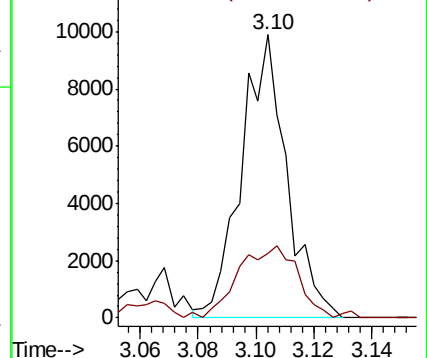
85 100

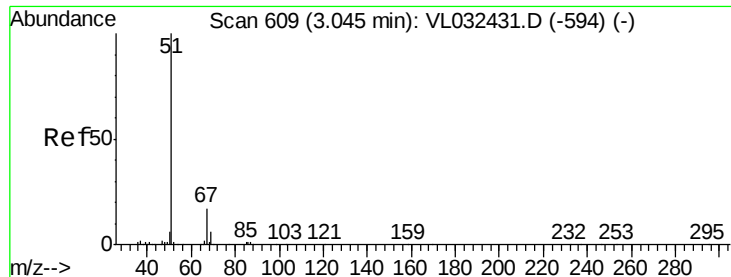
87 21.2 26.2 39.4#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.053 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

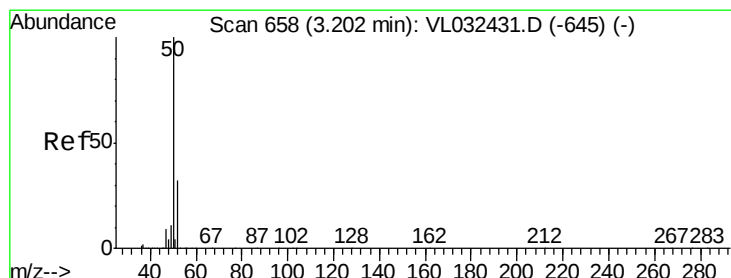
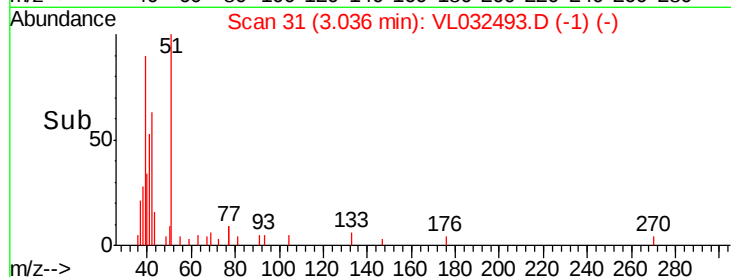
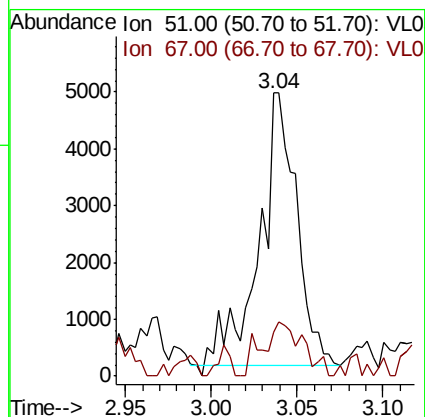
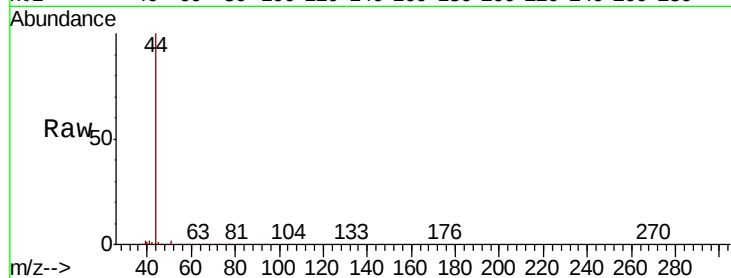
245-BERRYDL

Tgt Ion: 51 Resp: 7182

Ion Ratio Lower Upper

51 100

67 28.2 13.8 20.8#



#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.20 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL032493.D

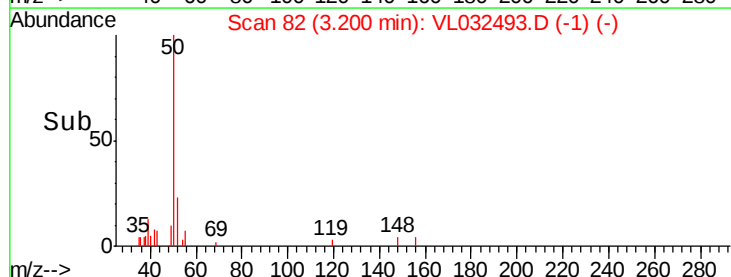
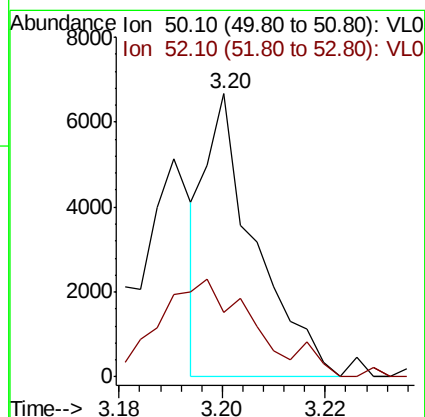
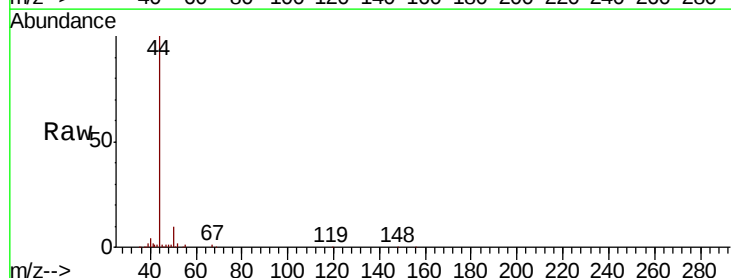
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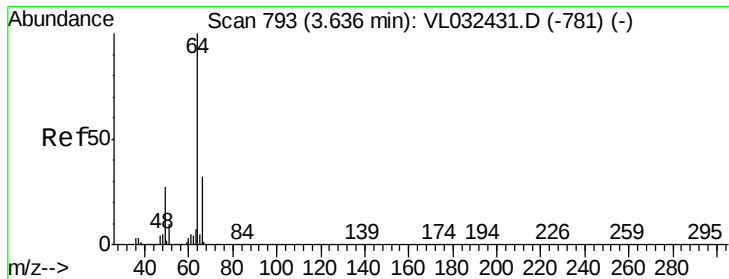
Tgt Ion: 50 Resp: 4492

Ion Ratio Lower Upper

50 100

52 22.9 25.6 38.4#





#7

Chloroethane

Concen: 0.037 ppbv

RT: 3.63 min Scan# 217

Delta R.T. -0.00 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

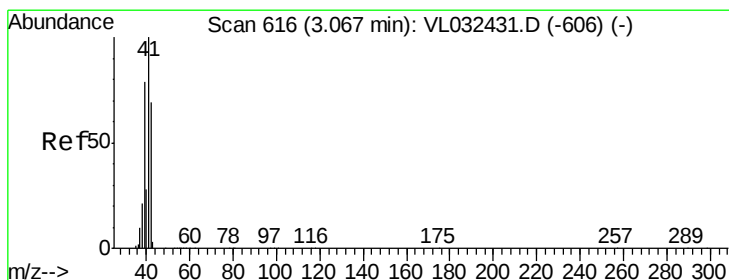
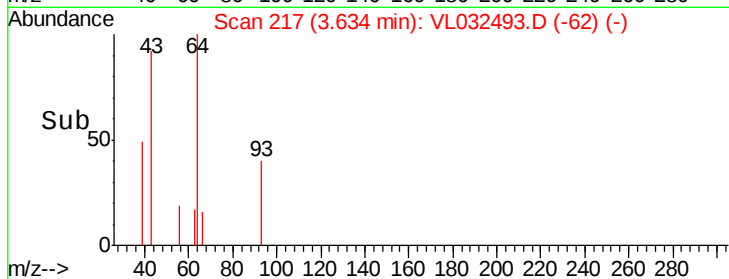
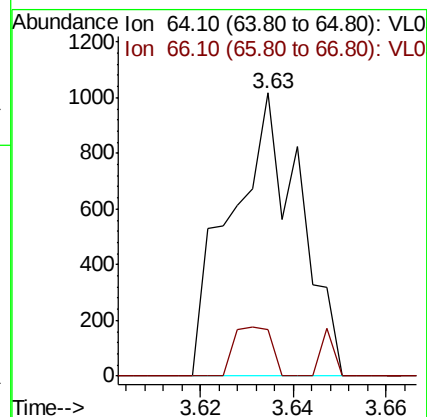
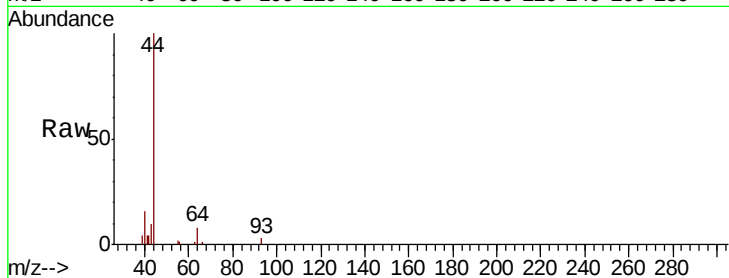
245-BERRYDL

Tgt Ion: 64 Resp: 1044

Ion Ratio Lower Upper

64 100

66 16.4 25.8 38.6#



#9

Propene

Concen: 13.598 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032493.D

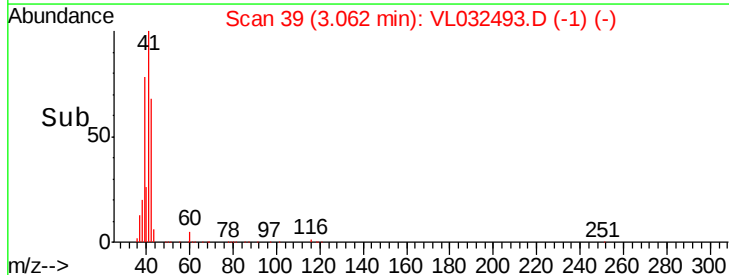
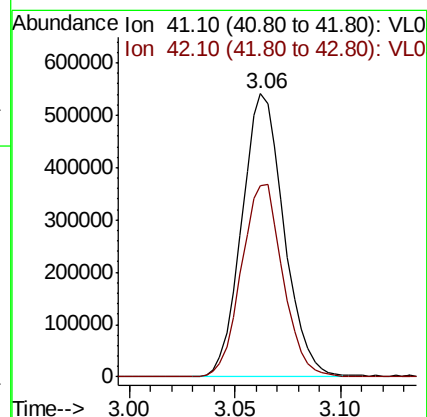
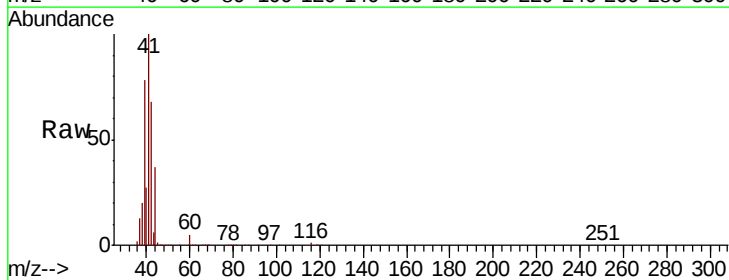
Acq: 11 Sep 2018 00:41

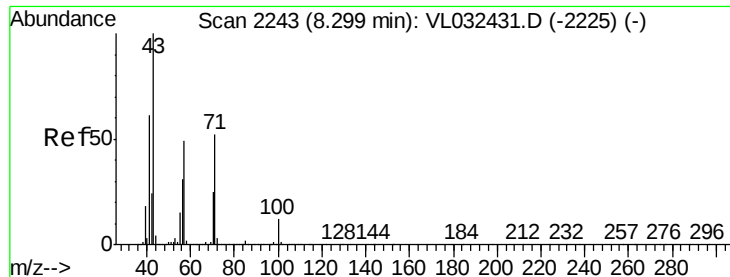
Tgt Ion: 41 Resp: 749070

Ion Ratio Lower Upper

41 100

42 67.2 56.6 84.8





#10

Heptane

Concen: 0.884 ppbv

RT: 8.29 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

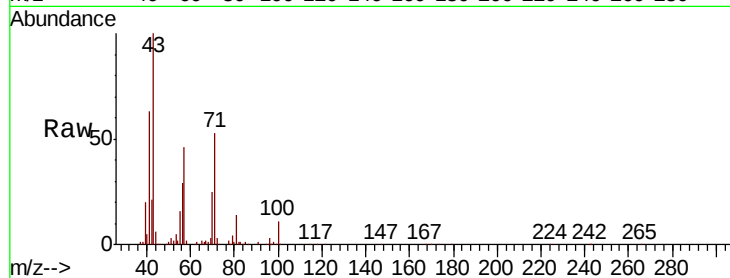
245-BERRYDL

Tgt Ion: 43 Resp: 174774

Ion Ratio Lower Upper

43 100

57 51.7 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.29

100000

80000

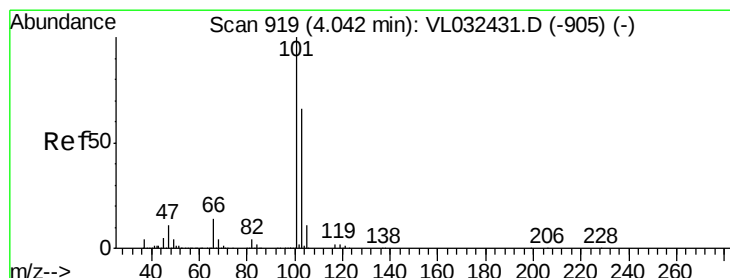
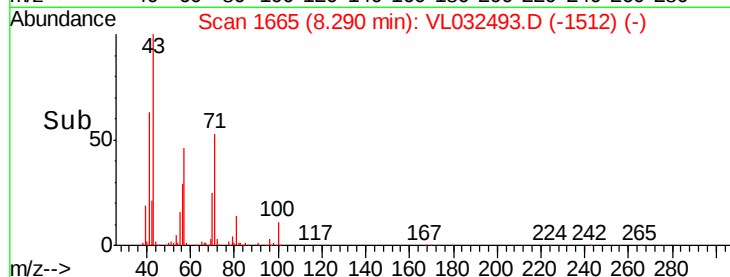
60000

40000

20000

0

Time-->



#11

Trichlorofluoromethane

Concen: 0.034 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.00 min

Lab File: VL032493.D

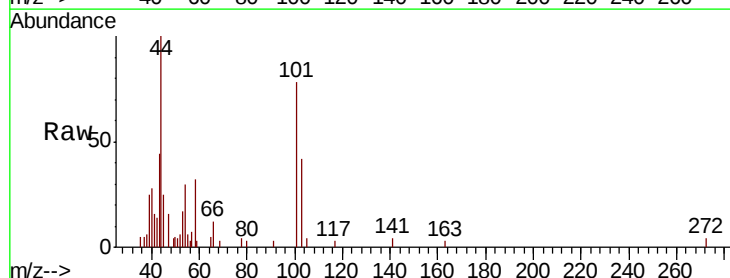
Acq: 11 Sep 2018 00:41

Tgt Ion: 101 Resp: 5968

Ion Ratio Lower Upper

101 100

103 53.8 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

5000

4000

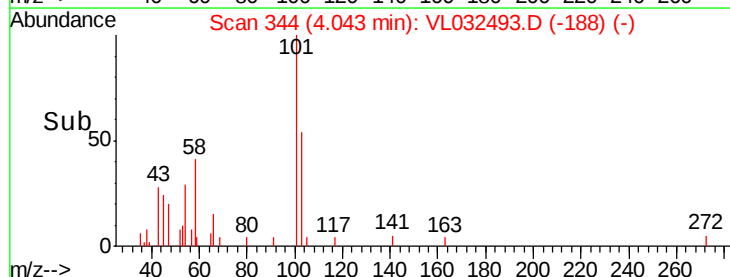
3000

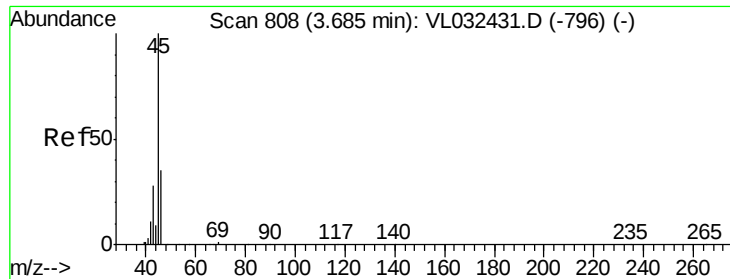
2000

1000

0

Time-->





#13

Ethanol

Concen: 5.853 ppbv

RT: 3.69 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

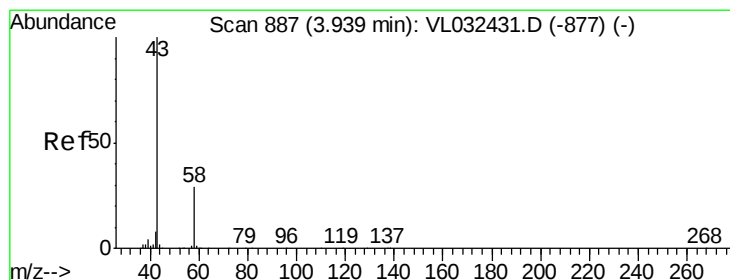
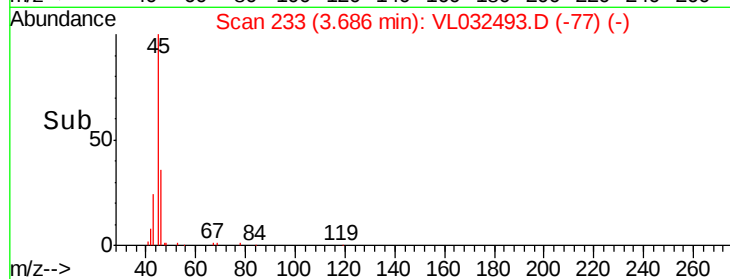
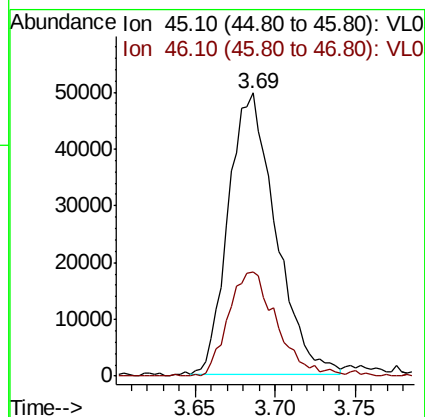
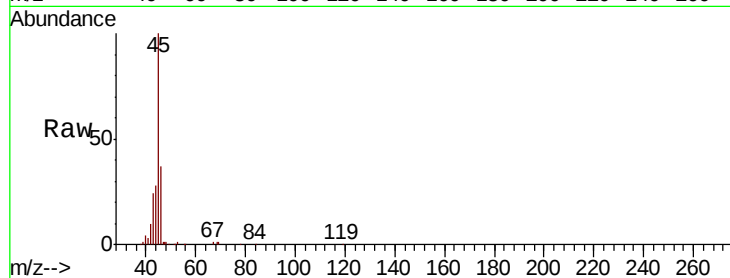
245-BERRYDL

Tgt Ion: 45 Resp: 100500

Ion Ratio Lower Upper

45 100

46 38.3 14.2 56.8



#15

Acetone

Concen: 10.169 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032493.D

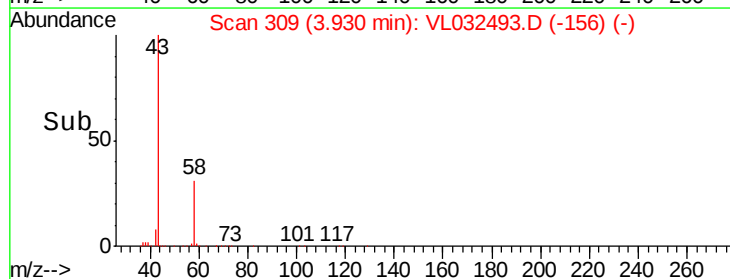
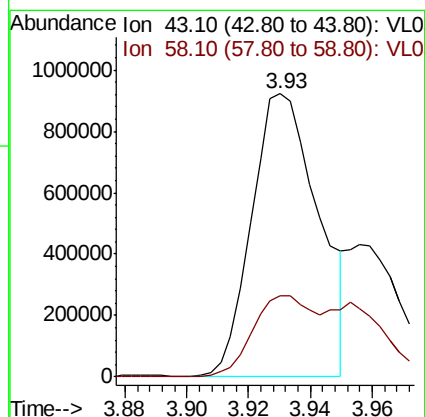
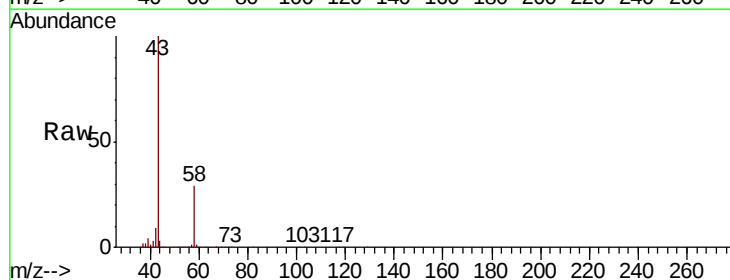
Acq: 11 Sep 2018 00:41

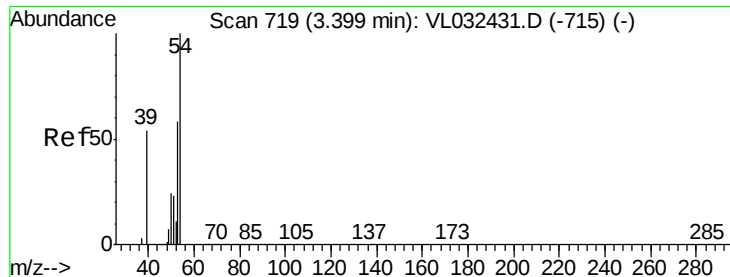
Tgt Ion: 43 Resp: 1381441

Ion Ratio Lower Upper

43 100

58 49.1 22.6 33.8#

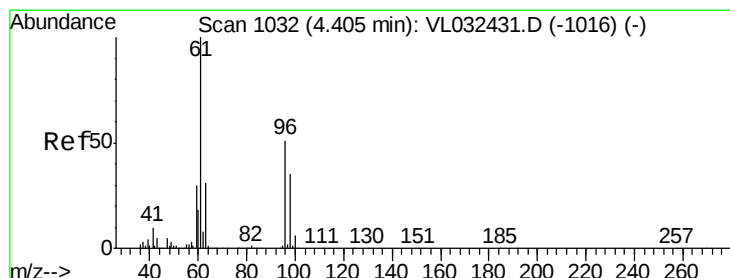
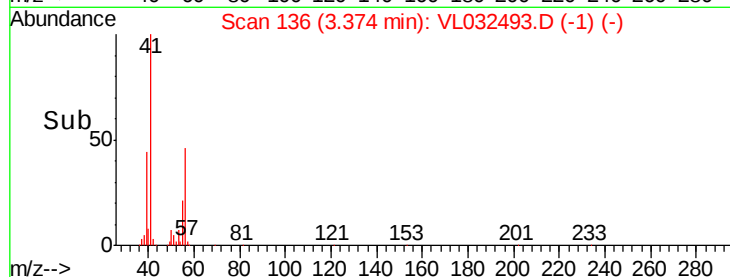
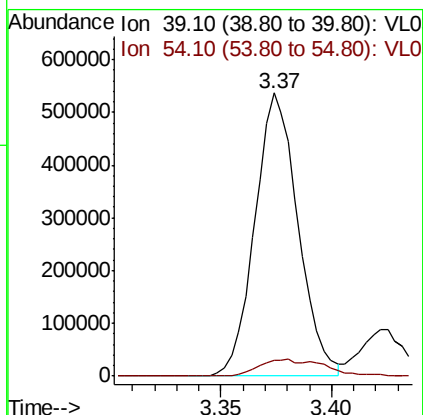
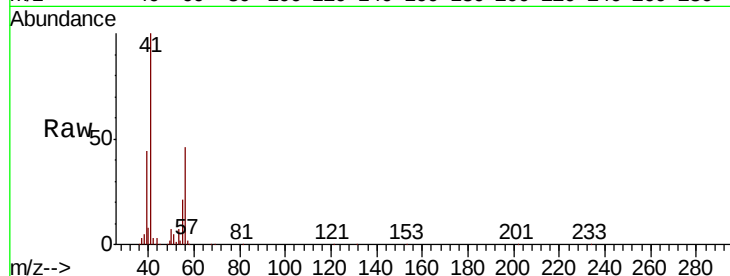




#16
 1,3-Butadiene
 Concen: 11.406 ppbv
 RT: 3.37 min Scan# 136
 Delta R.T. -0.02 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

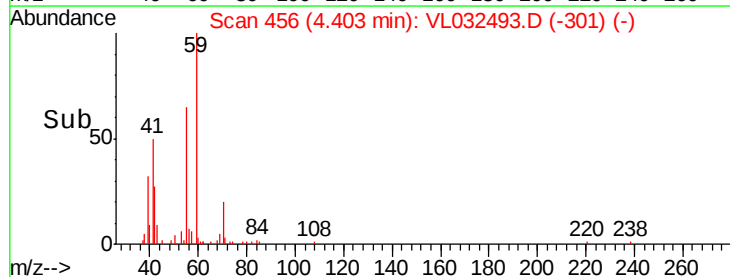
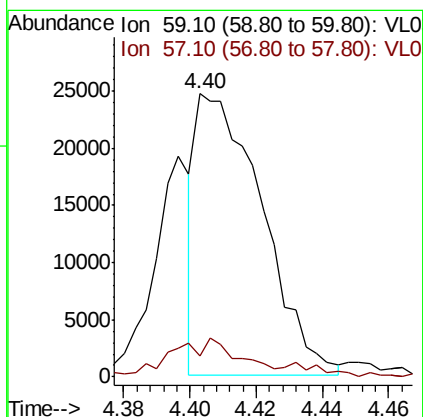
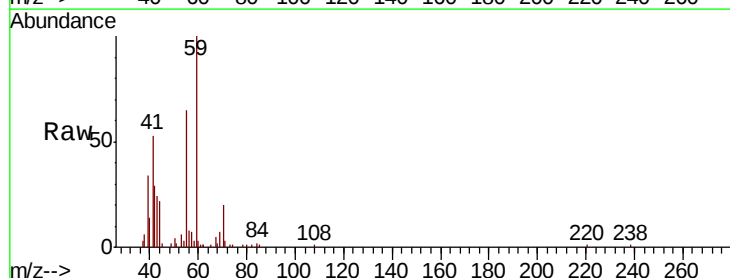
Instrument :
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 245-BERRYDL

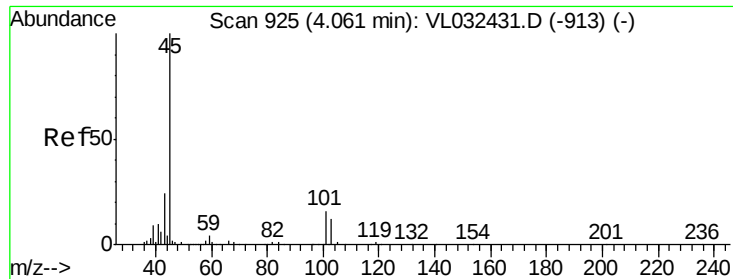
Tgt Ion: 39 Resp: 729150
 Ion Ratio Lower Upper
 39 100
 54 9.2 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 1.621 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

Tgt Ion: 59 Resp: 33885
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

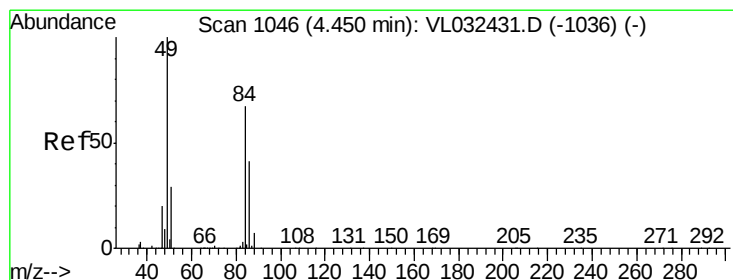
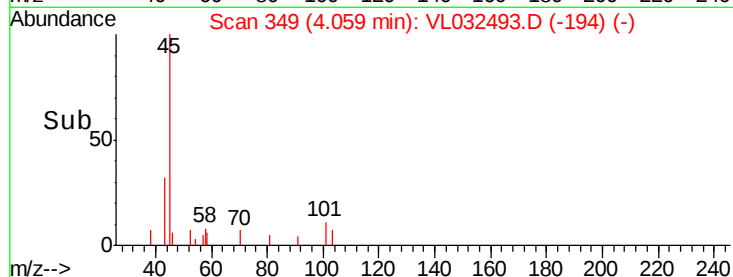
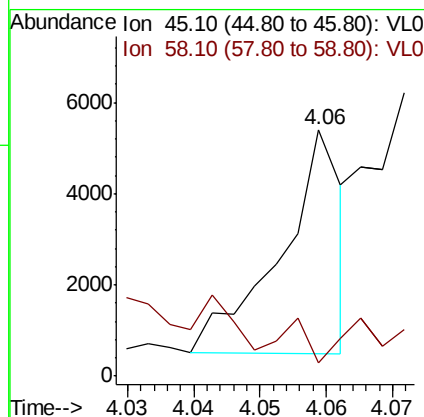
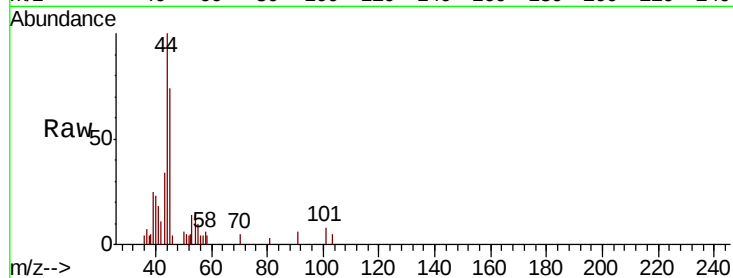




#19
Isopropyl Alcohol
Concen: 0.035 ppbv
RT: 4.06 min Scan# 349
Delta R.T. -0.00 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

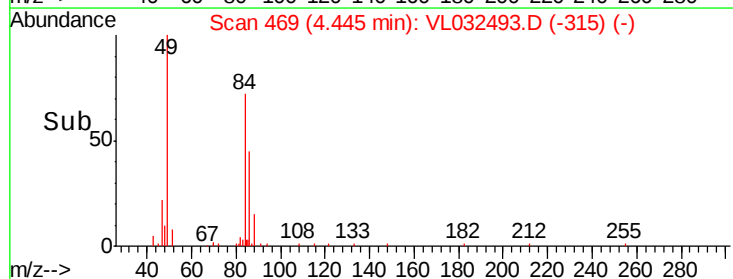
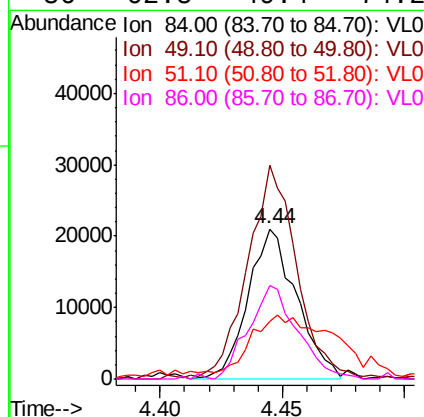
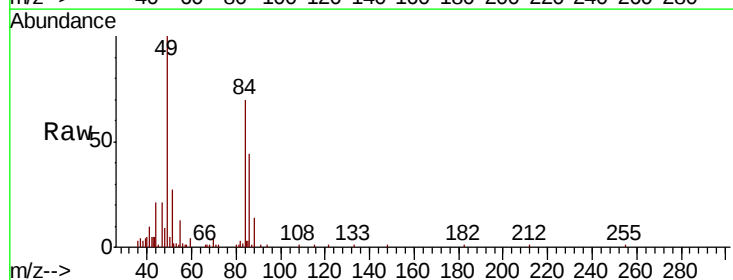
Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL

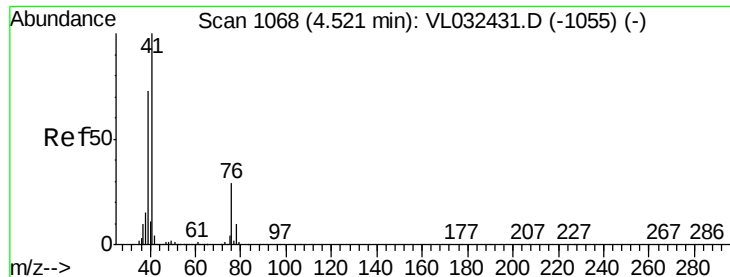
Tgt Ion: 45 Resp: 3158
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#



#20
Methylene Chloride
Concen: 0.559 ppbv
RT: 4.44 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

Tgt Ion: 84 Resp: 28946
Ion Ratio Lower Upper
84 100
49 140.0 119.1 178.7
51 33.1 35.2 52.8#
86 62.5 49.4 74.2





#21

Allyl Chloride

Concen: 0.234 ppbv

RT: 4.47 min Scan# 476

Delta R.T. -0.05 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

245-BERRYDL

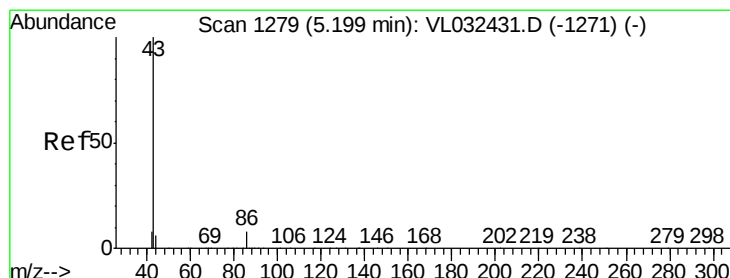
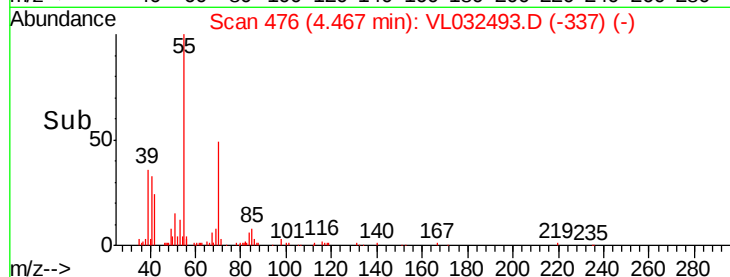
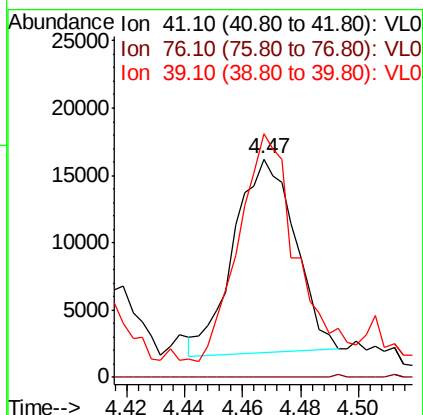
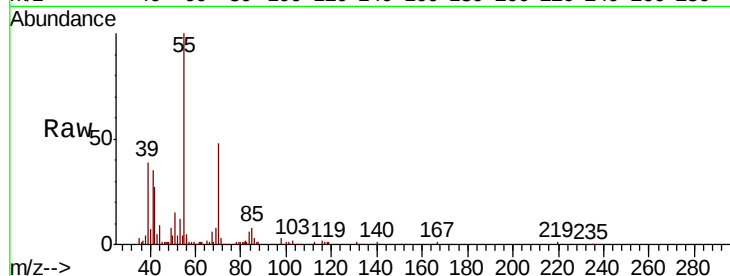
Tgt Ion: 41 Resp: 21103

Ion Ratio Lower Upper

41 100

76 0.0 23.6 35.4#

39 139.9 57.7 86.5#



#23

Vinyl Acetate

Concen: 1.604 ppbv

RT: 5.17 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Tgt Ion: 43 Resp: 361206

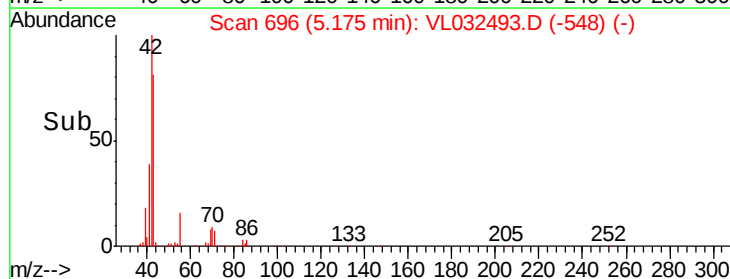
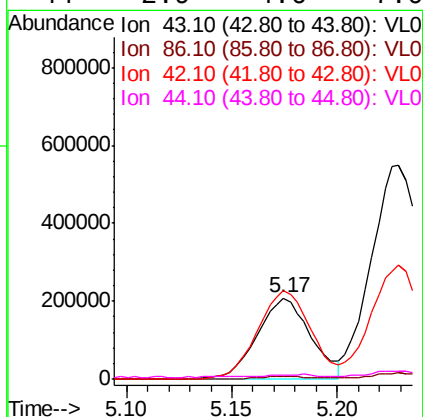
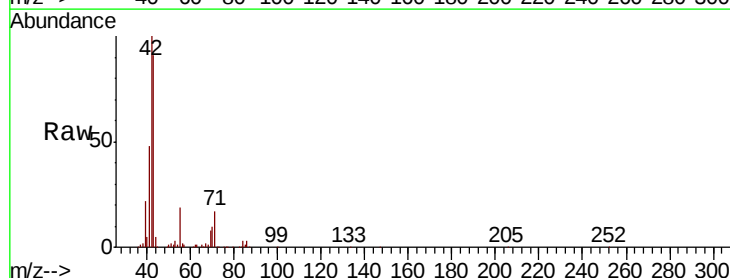
Ion Ratio Lower Upper

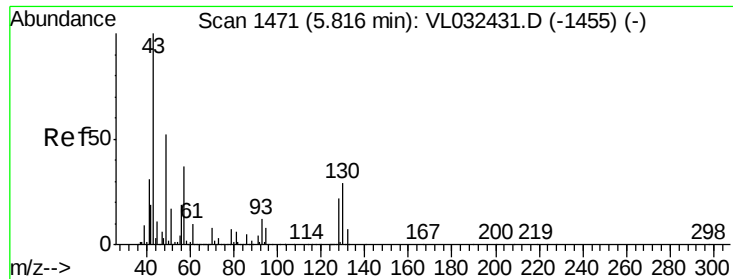
43 100

86 3.5 5.9 8.9#

42 109.9 6.9 10.3#

44 2.9 4.6 7.0#

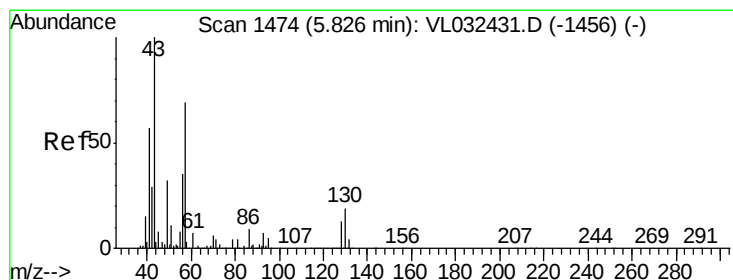
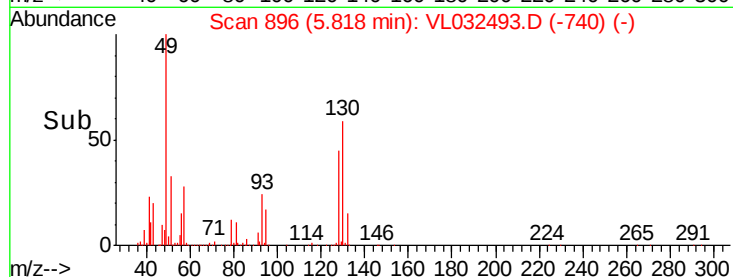
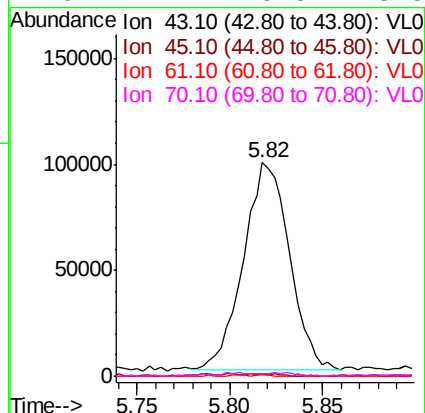
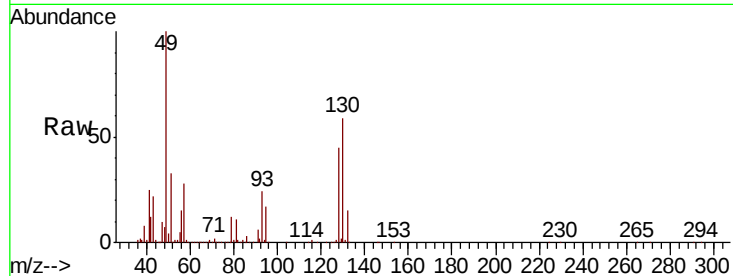




#25
Ethyl Acetate
Concen: 0.526 ppbv
RT: 5.82 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

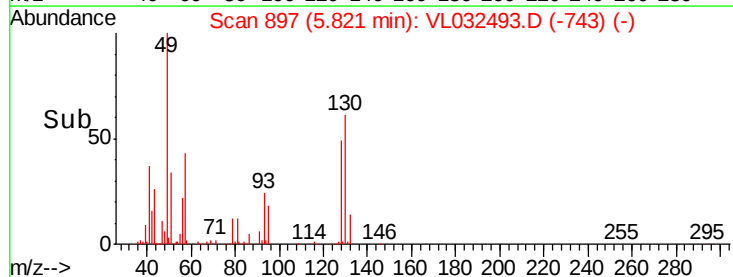
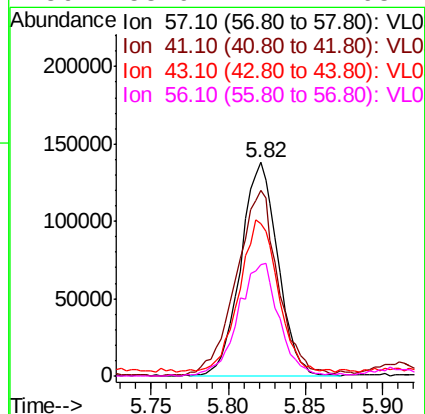
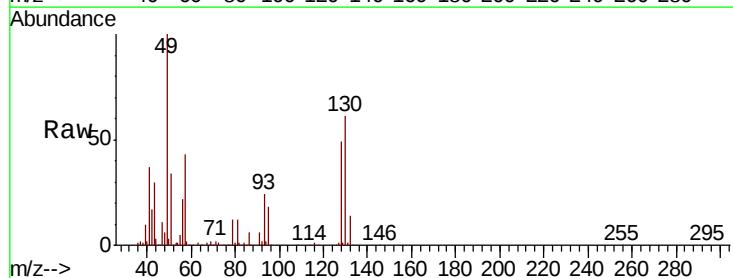
Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL

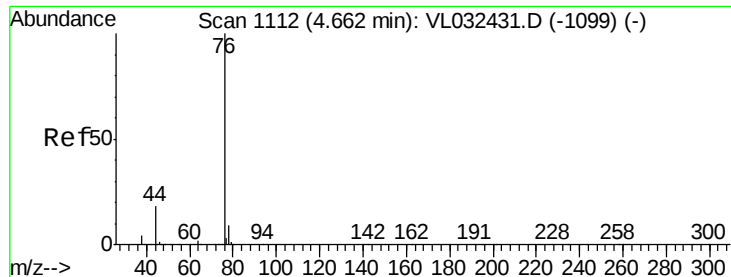
Tgt Ion:	43	Resp:	168628
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.7	7.6	11.4#
70	2.7	5.8	8.8#



#26
Hexane
Concen: 1.597 ppbv
RT: 5.82 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

Tgt Ion:	57	Resp:	229473
Ion	Ratio	Lower	Upper
57	100		
41	99.8	69.0	103.4
43	0.0	172.1	258.1#
56	58.9	42.2	63.2





#27

Carbon Disulfide

Concen: 0.245 ppbv

RT: 4.66 min Scan# 536

Delta R.T. -0.00 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

245-BERRYDL

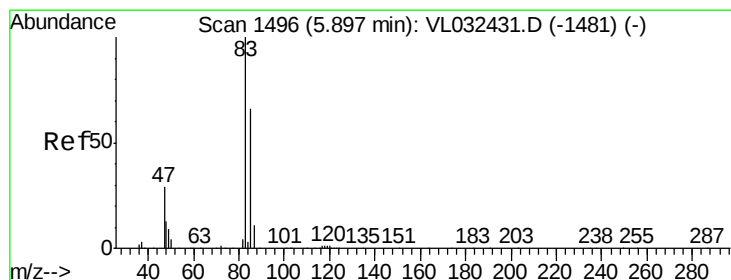
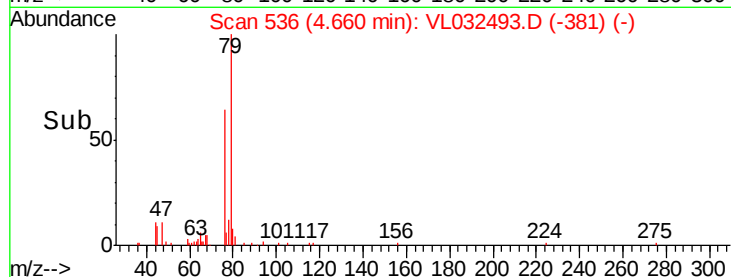
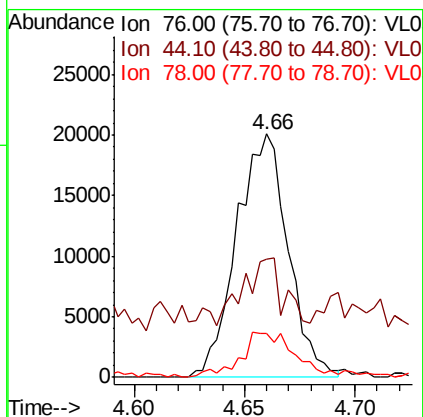
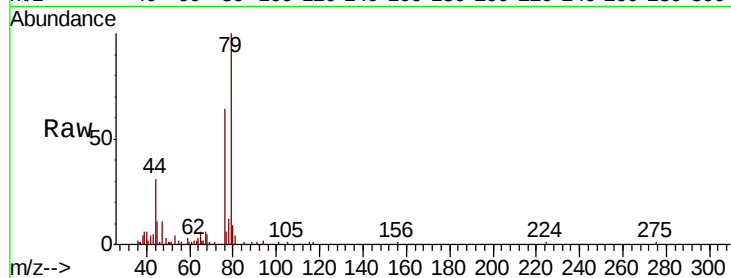
Tgt Ion: 76 Resp: 32505

Ion Ratio Lower Upper

76 100

44 31.6 14.0 21.0#

78 20.5 7.5 11.3#



#29

Chloroform

Concen: 0.766 ppbv

RT: 5.89 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL032493.D

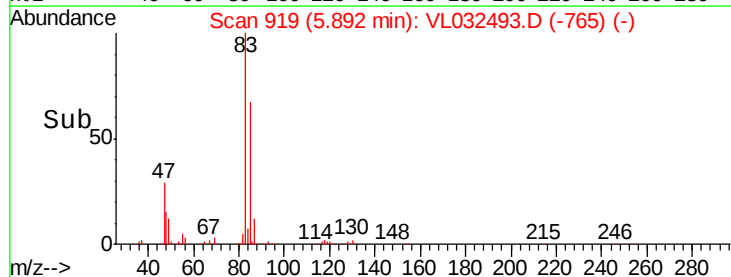
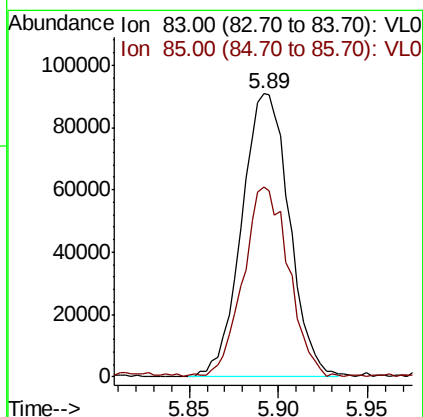
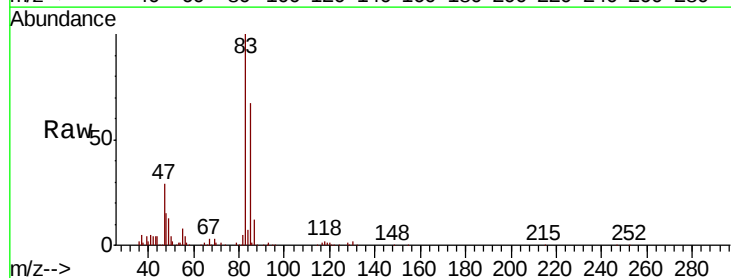
Acq: 11 Sep 2018 00:41

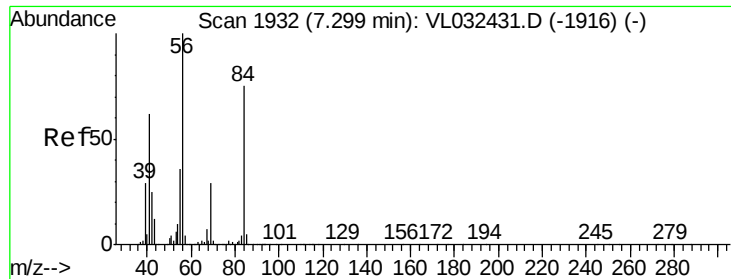
Tgt Ion: 83 Resp: 167819

Ion Ratio Lower Upper

83 100

85 67.0 52.5 78.7

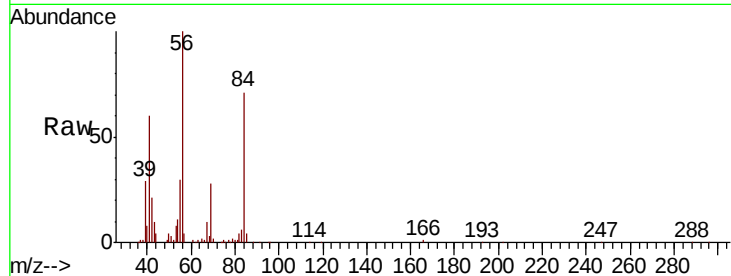




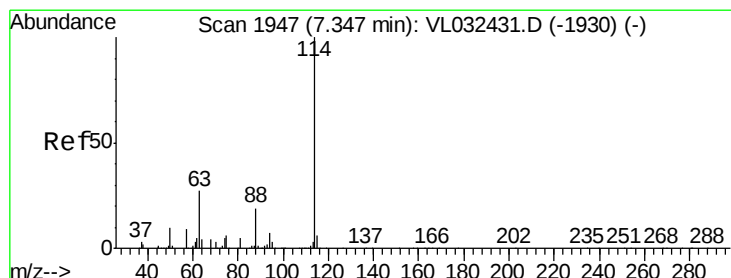
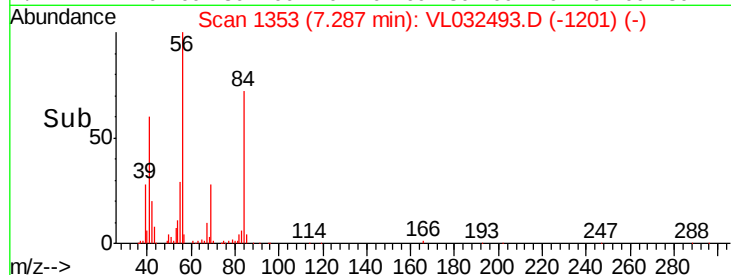
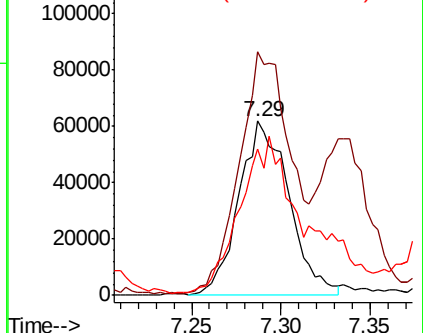
#30
Cyclohexane
Concen: 1.145 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL

Tgt Ion: 84 Resp: 120454
Ion Ratio Lower Upper
84 100
56 139.4 113.5 170.3
41 118.0 68.1 102.1#

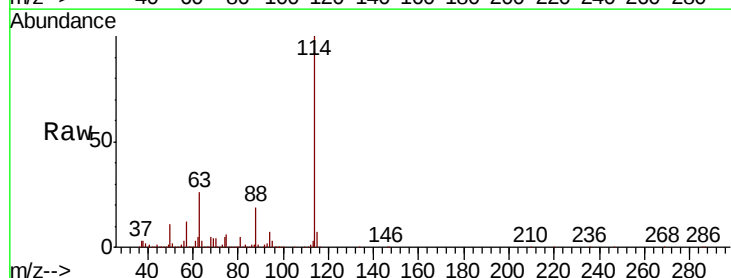


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

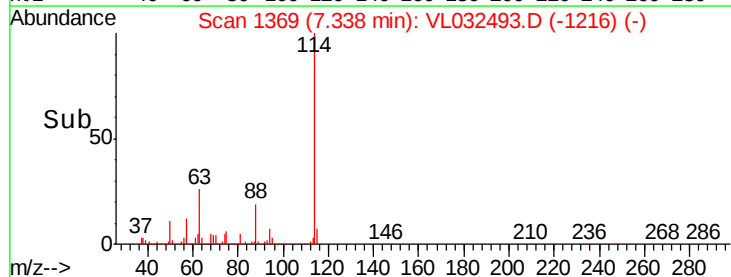
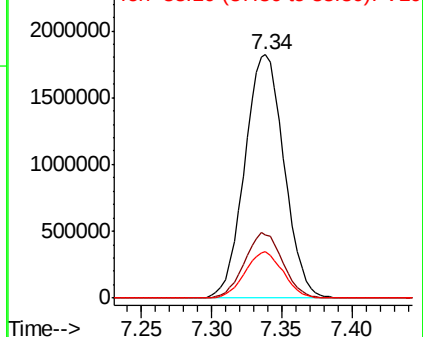


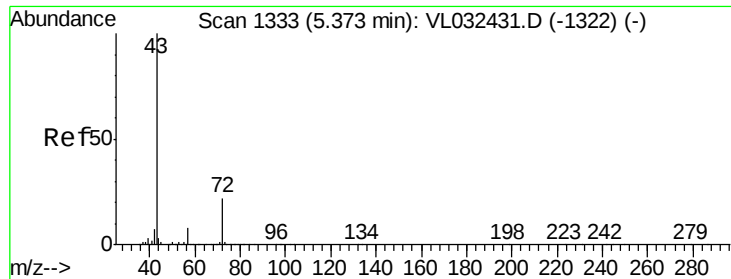
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

Tgt Ion: 114 Resp: 3560374
Ion Ratio Lower Upper
114 100
63 26.4 22.2 33.4
88 18.6 15.0 22.4



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

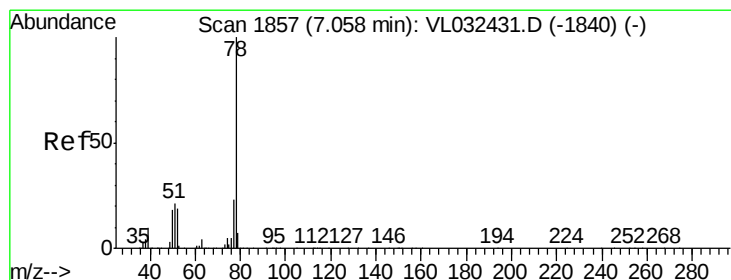
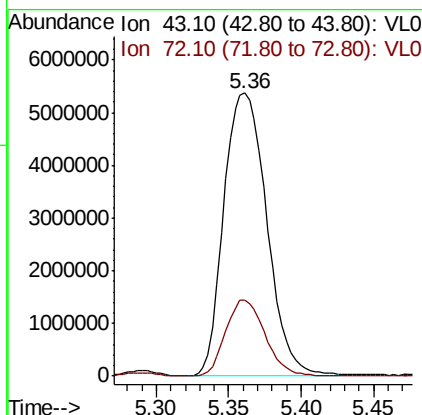
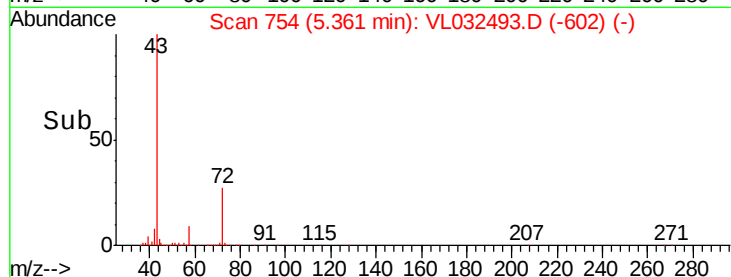
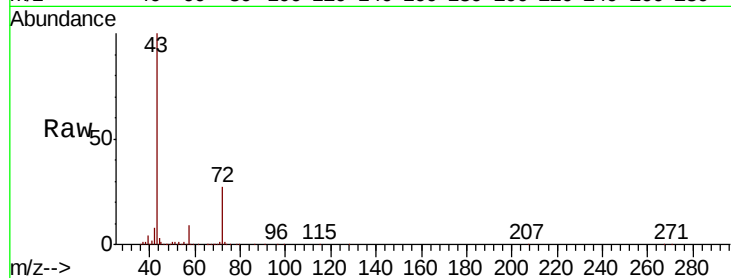




#34
 2-Butanone
 Concen: 46.750 ppbv
 RT: 5.36 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

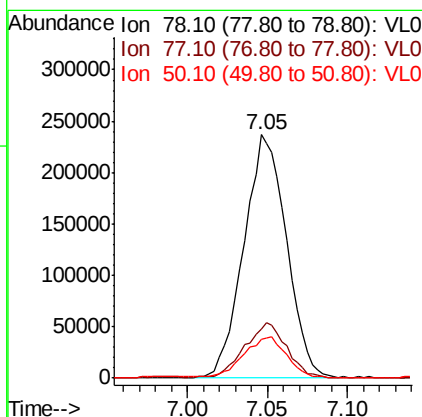
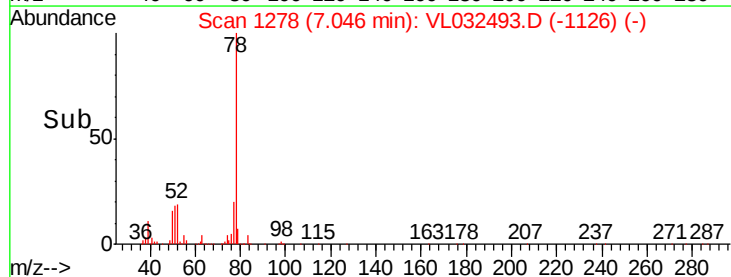
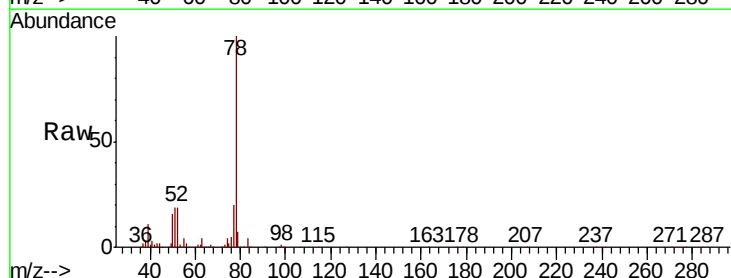
Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL

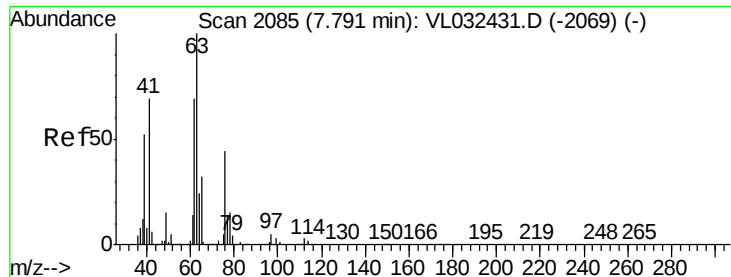
Tgt Ion: 43 Resp: 11055958
 Ion Ratio Lower Upper
 43 100
 72 24.8 17.8 26.6



#36
 Benzene
 Concen: 1.417 ppbv
 RT: 7.05 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

Tgt Ion: 78 Resp: 429428
 Ion Ratio Lower Upper
 78 100
 77 19.8 18.4 27.6
 50 15.6 14.4 21.6

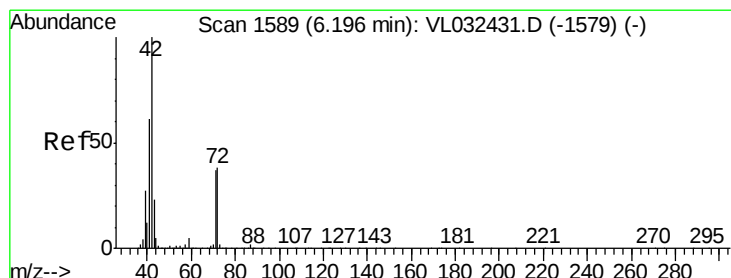
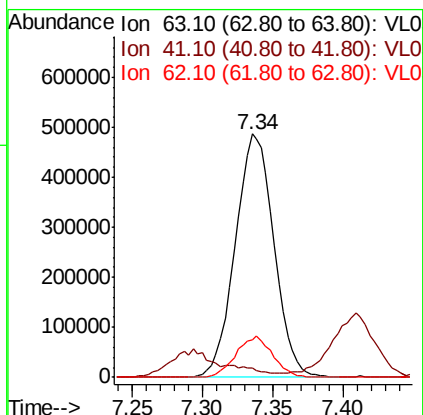
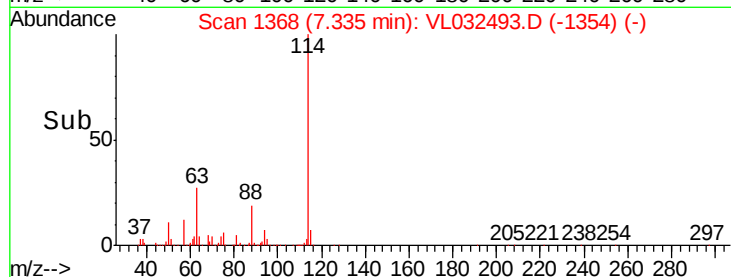
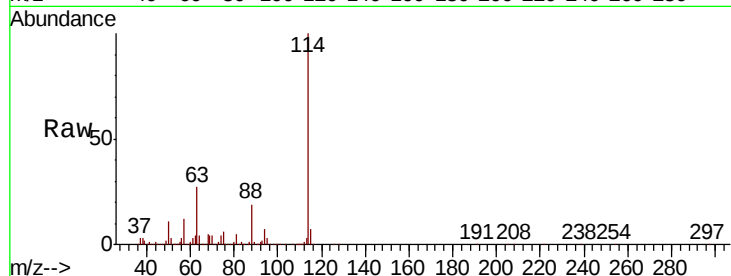




#39
 1,2-Dichloropropane
 Concen: 7.165 ppbv
 RT: 7.34 min Scan# 1368
 Delta R.T. -0.46 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

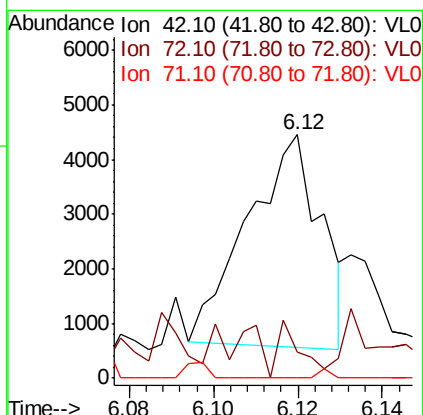
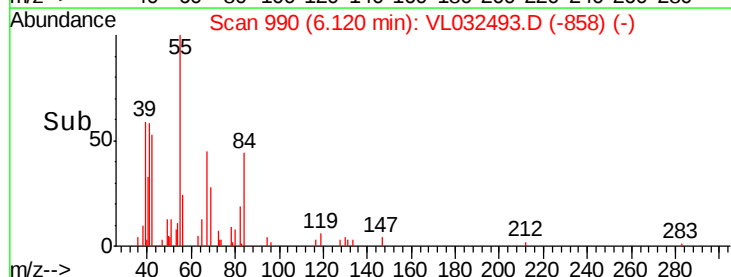
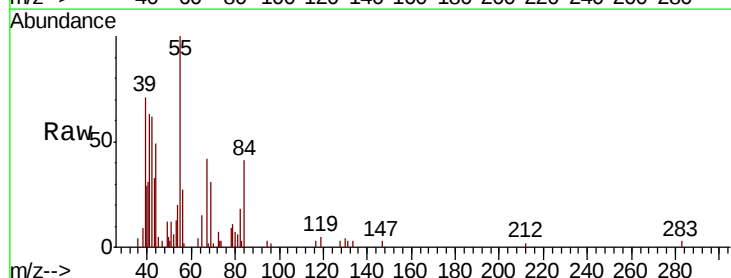
Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL

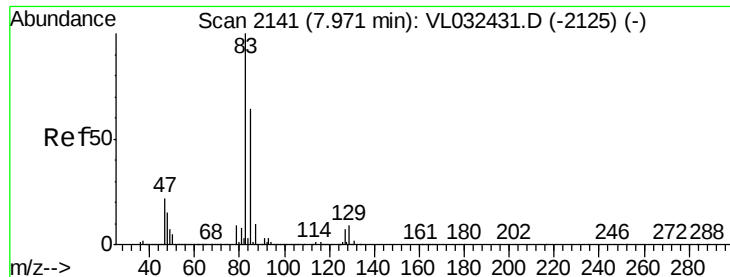
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	15.6	55.4	83.0#



#41
 Tetrahydrofuran
 Concen: 0.036 ppbv
 RT: 6.12 min Scan# 990
 Delta R.T. -0.08 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.5	29.5	44.3
71	0.0	28.3	42.5#





#42

Bromodichloromethane

Concen: 0.282 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

245-BERRYDL

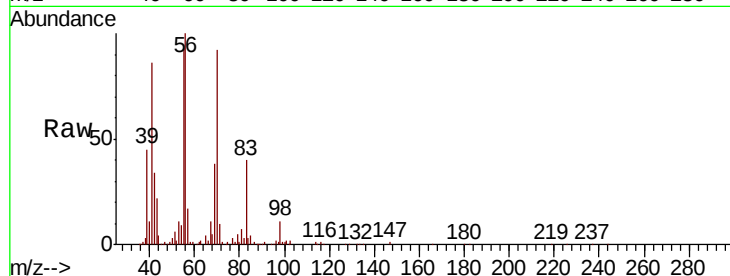
Tgt Ion: 83 Resp: 72121

Ion Ratio Lower Upper

83 100

85 9.3 51.1 76.7#

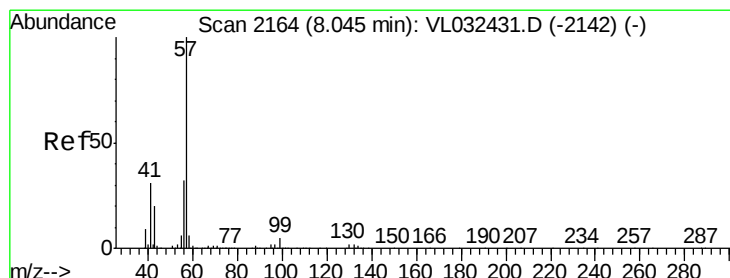
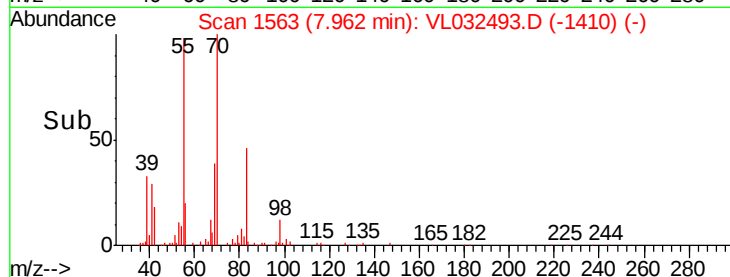
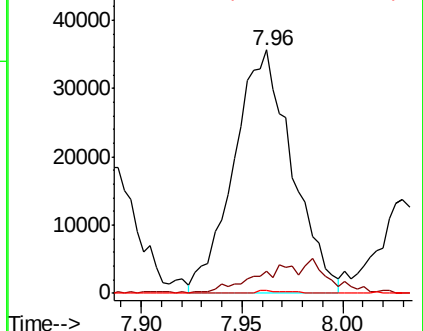
127 1.2 5.8 8.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



#44

2,2,4-Trimethylpentane

Concen: 0.439 ppbv

RT: 8.04 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

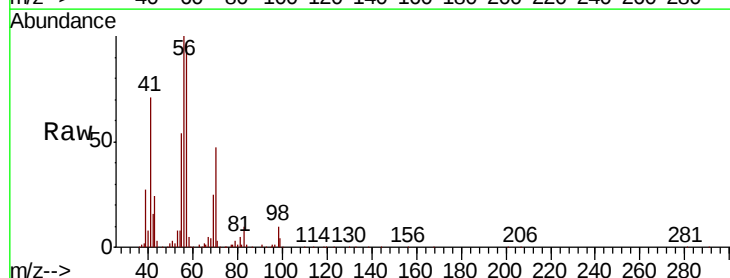
Tgt Ion: 57 Resp: 257295

Ion Ratio Lower Upper

57 100

41 74.2 24.4 36.6#

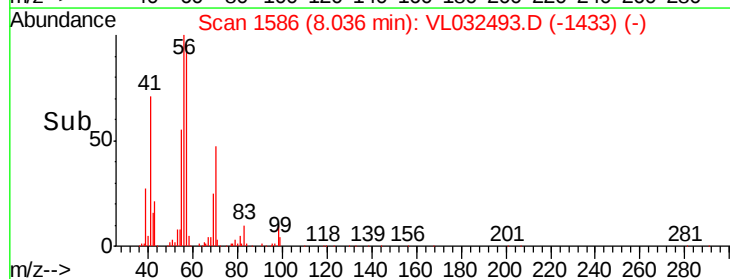
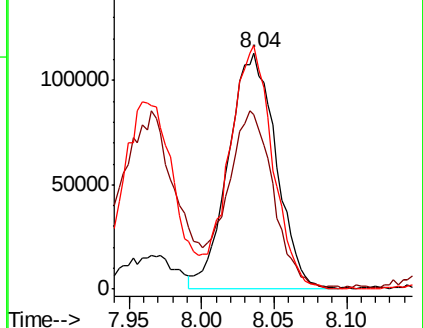
56 95.0 25.7 38.5#

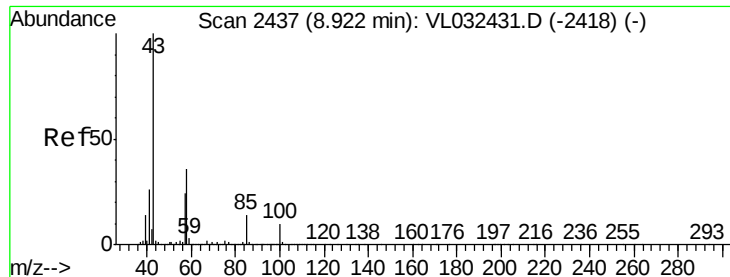


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

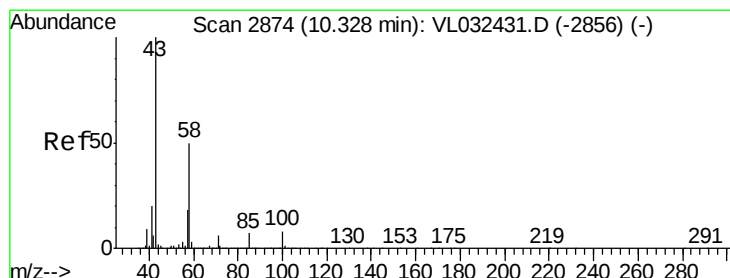
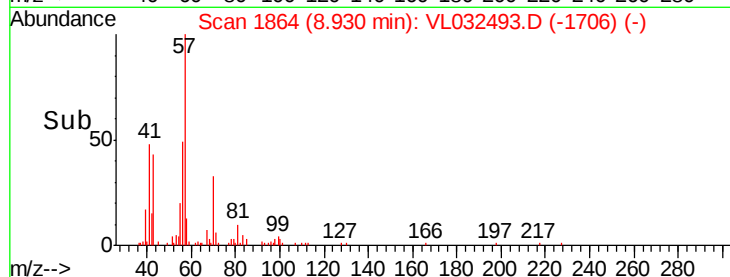
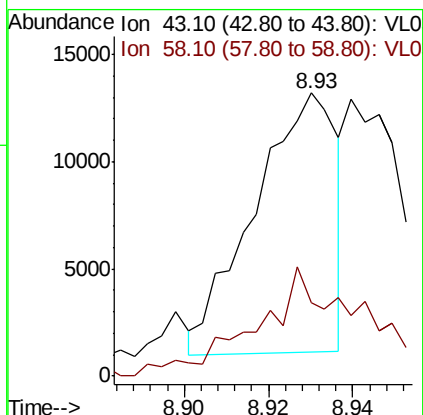
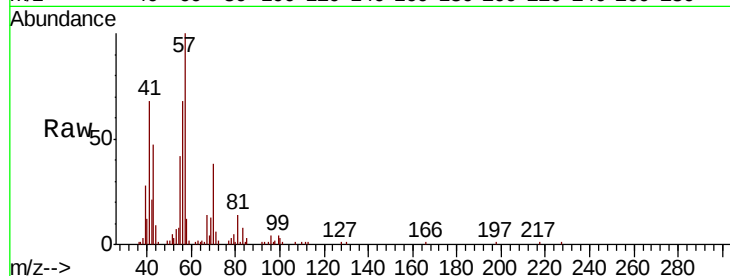




#50
4-Methyl-2-Pentanone
Concen: 0.046 ppbv
RT: 8.93 min Scan# 1864
Delta R.T. 0.01 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

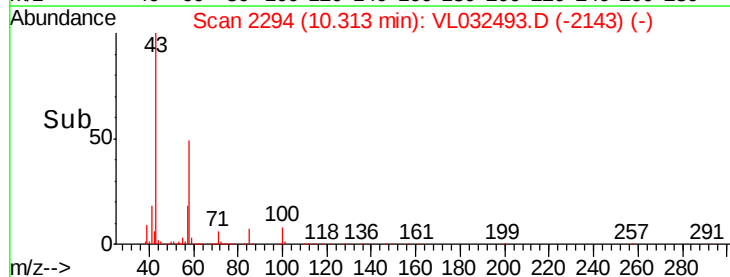
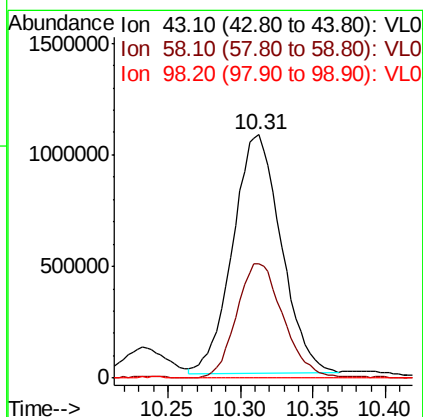
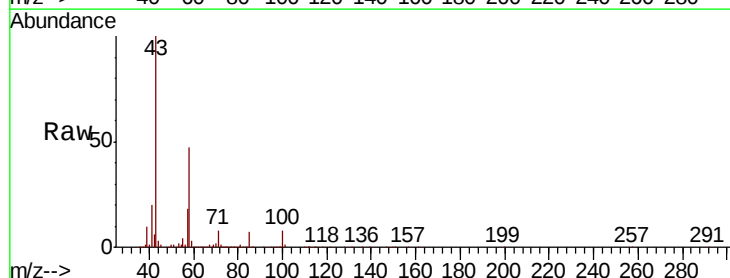
Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL

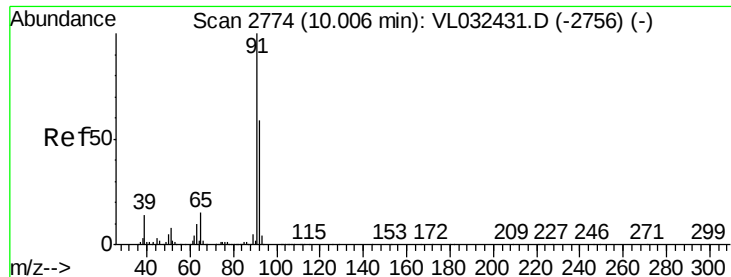
Tgt Ion: 43 Resp: 16353
Ion Ratio Lower Upper
43 100
58 58.1 29.0 43.4#



#51
2-Hexanone
Concen: 10.825 ppbv
RT: 10.31 min Scan# 2294
Delta R.T. -0.01 min
Lab File: VL032493.D
Acq: 11 Sep 2018 00:41

Tgt Ion: 43 Resp: 2484030
Ion Ratio Lower Upper
43 100
58 46.4 39.2 58.8
98 0.3 0.4 0.6#





#53

Toluene

Concen: 1.018 ppbv

RT: 9.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

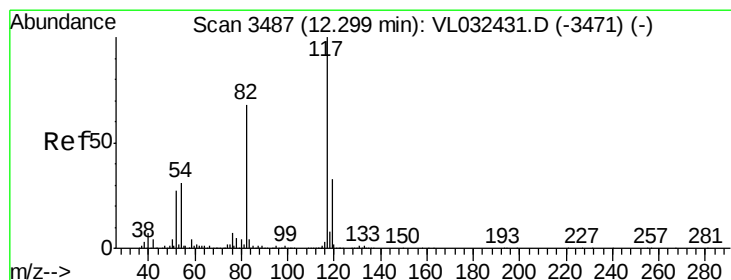
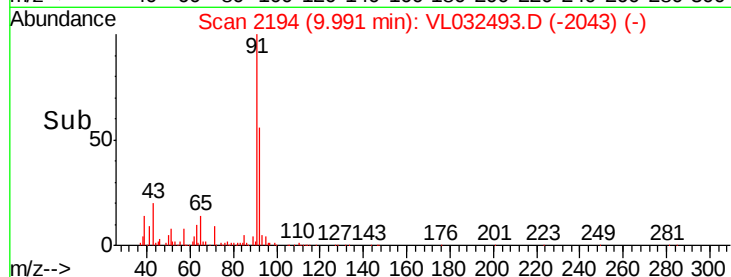
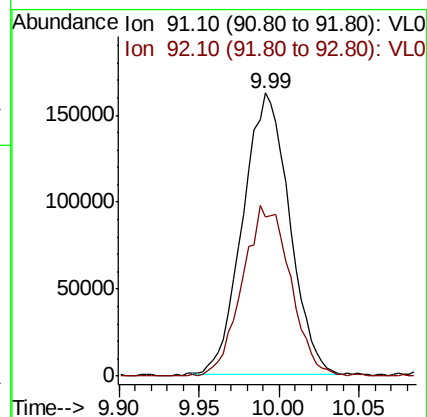
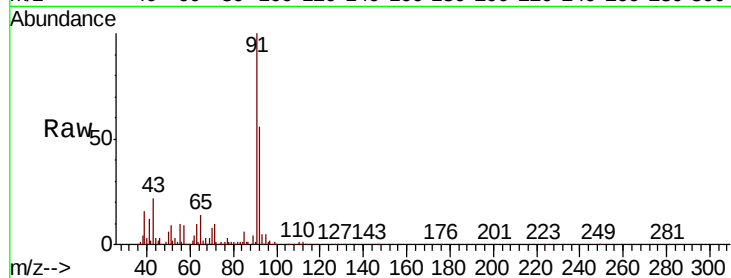
245-BERRYDL

Tgt Ion: 91 Resp: 322435

Ion Ratio Lower Upper

91 100

92 62.7 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

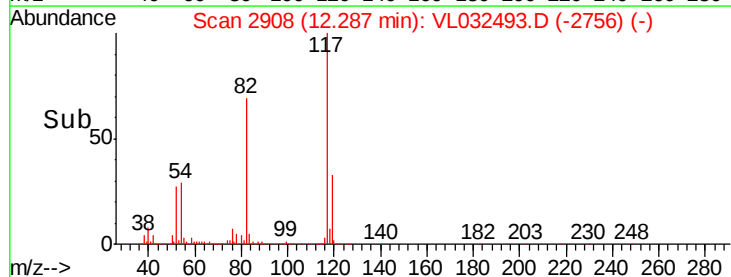
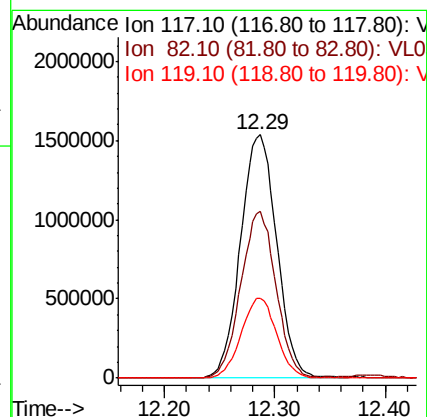
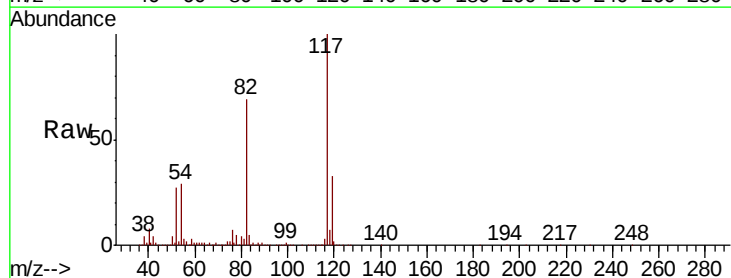
Tgt Ion: 117 Resp: 3493938

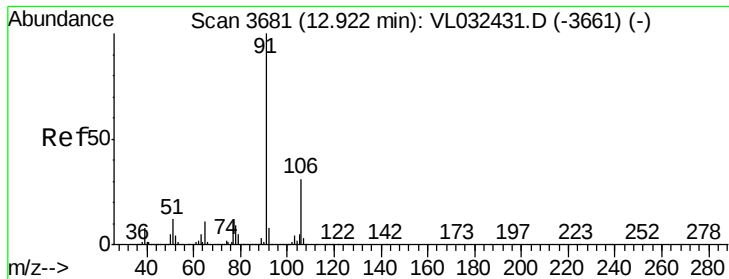
Ion Ratio Lower Upper

117 100

82 66.9 53.0 79.6

119 32.6 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.363 ppbv

RT: 12.91 min Scan# 3101

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

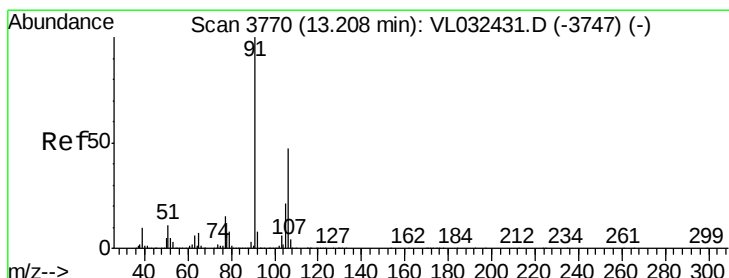
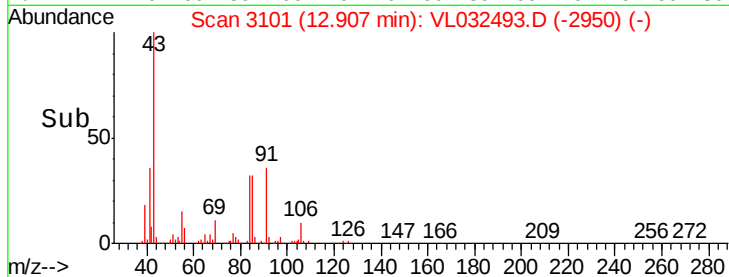
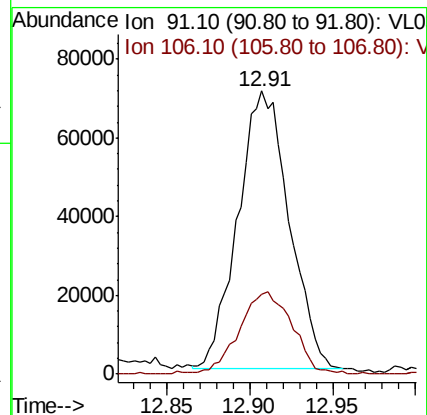
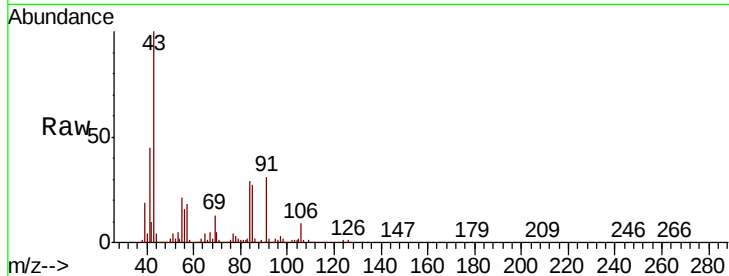
245-BERRYDL

Tgt Ion: 91 Resp: 151702

Ion Ratio Lower Upper

91 100

106 28.0 24.8 37.2



#59

m/p-Xylene

Concen: 0.405 ppbv

RT: 13.17 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VL032493.D

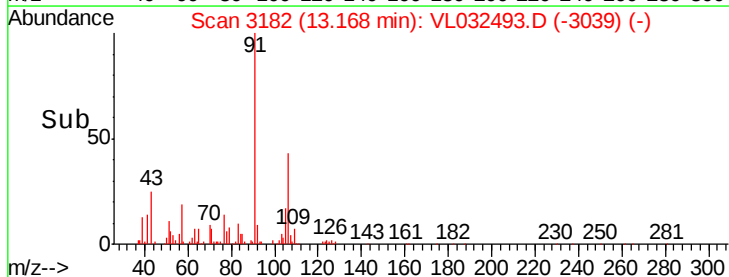
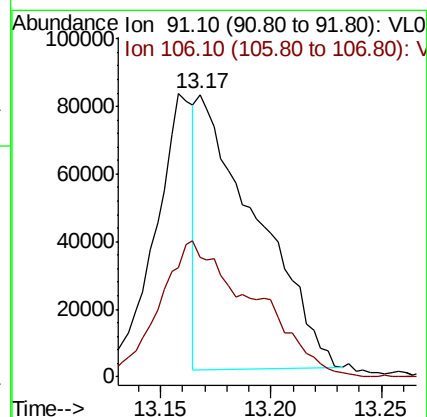
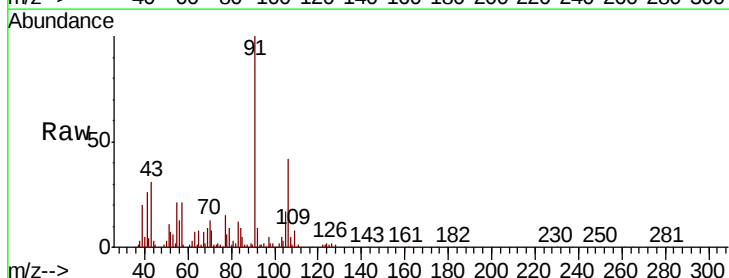
Acq: 11 Sep 2018 00:41

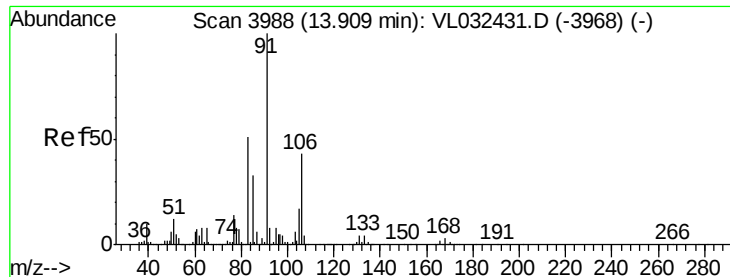
Tgt Ion: 91 Resp: 151109

Ion Ratio Lower Upper

91 100

106 79.6 36.6 55.0#





#60

o-Xylene

Concen: 0.117 ppbv

RT: 13.90 min Scan# 3409

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

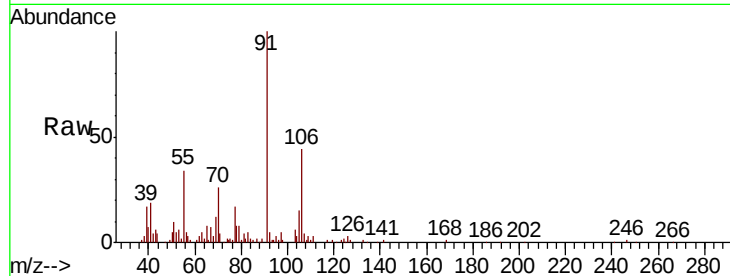
245-BERRYDL

Tgt Ion: 91 Resp: 42808

Ion Ratio Lower Upper

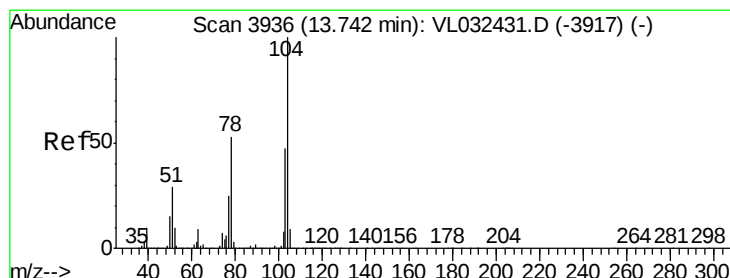
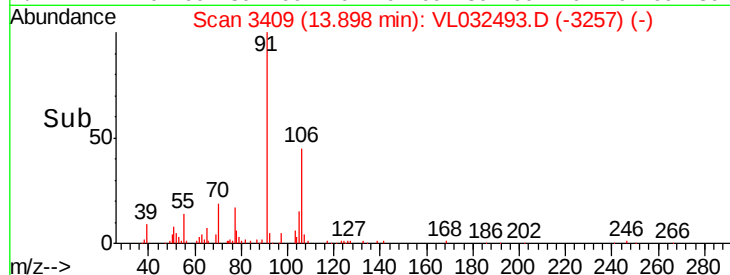
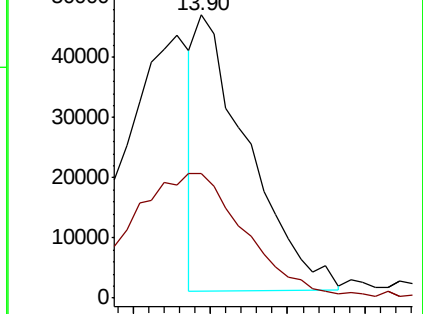
91 100

106 106.4 21.9 65.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.218 ppbv

RT: 13.72 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

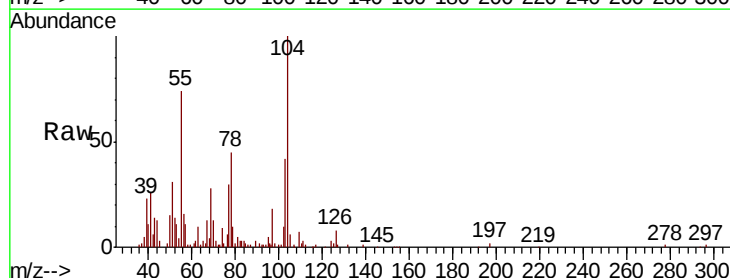
Tgt Ion: 104 Resp: 51568

Ion Ratio Lower Upper

104 100

78 94.3 41.8 62.8#

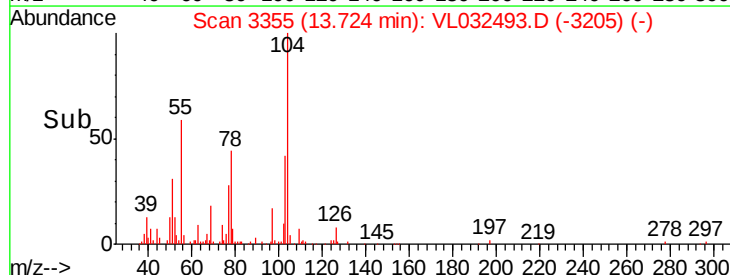
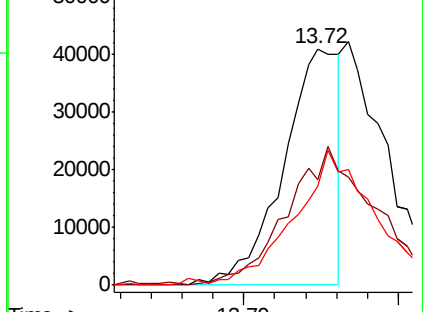
103 84.2 38.0 57.0#

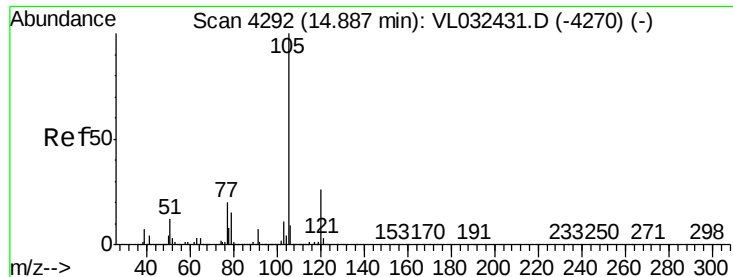


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.224 ppbv

RT: 14.87 min Scan# 3712

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

Instrument :

MSVOA_L

ClientSampleId :

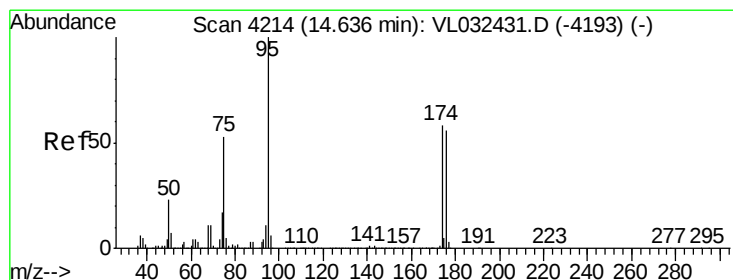
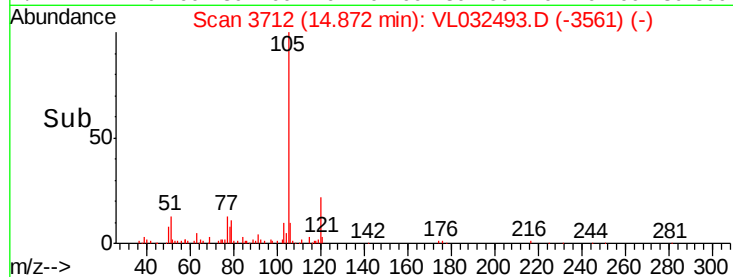
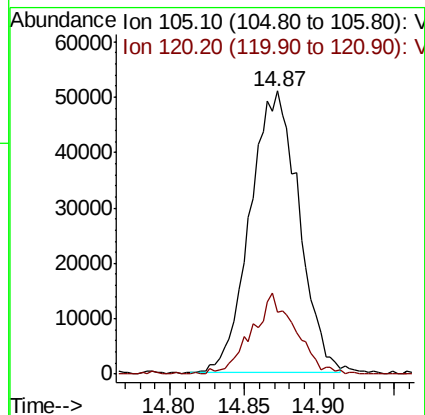
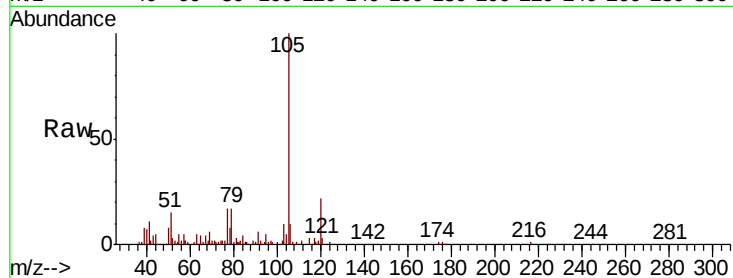
245-BERRYDL

Tgt Ion: 105 Resp: 115513

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.515 ppbv

RT: 14.62 min Scan# 3634

Delta R.T. -0.01 min

Lab File: VL032493.D

Acq: 11 Sep 2018 00:41

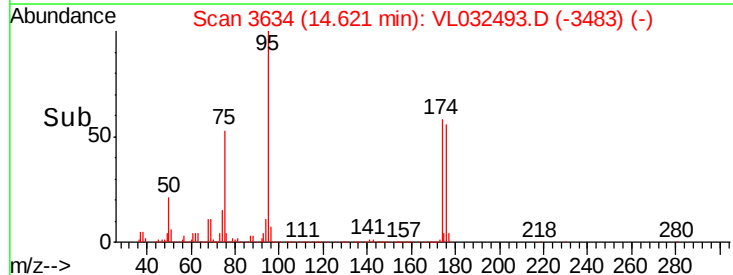
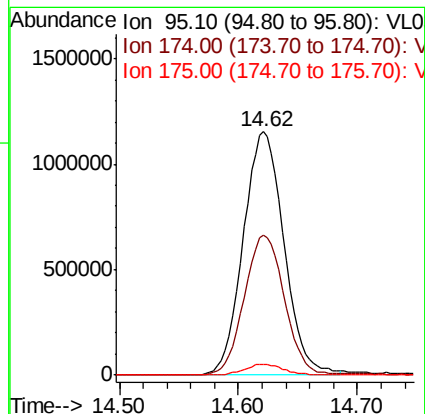
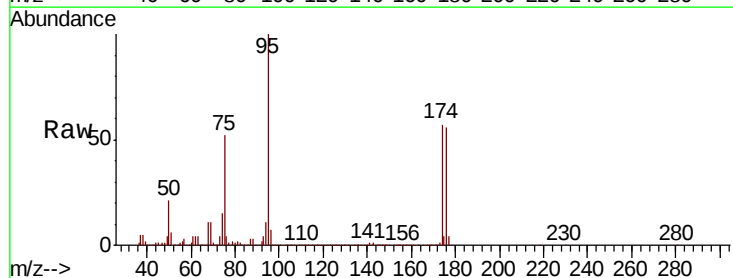
Tgt Ion: 95 Resp: 2727508

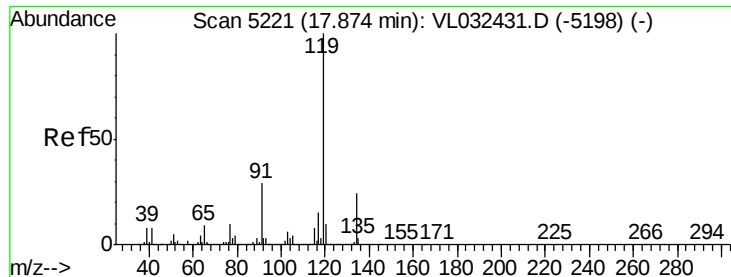
Ion Ratio Lower Upper

95 100

174 57.7 46.3 69.5

175 4.3 3.4 5.0

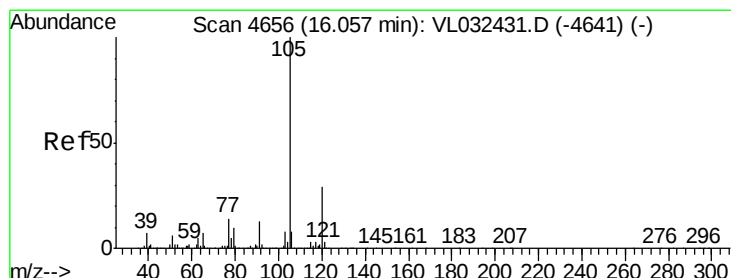
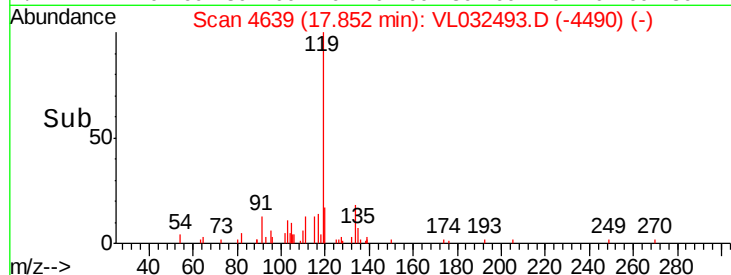
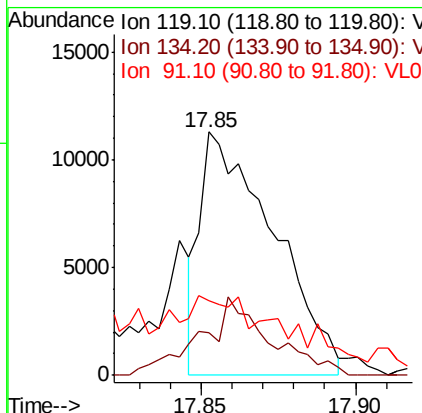
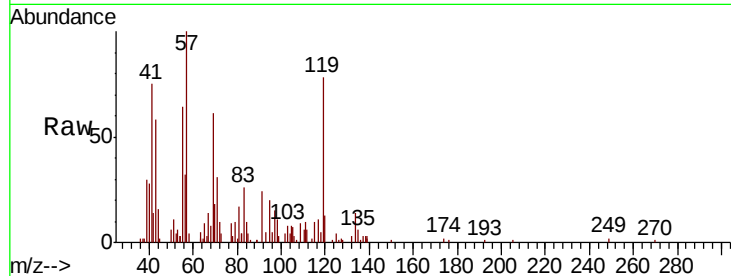




#69
 p-Isopropyltoluene
 Concen: 0.036 ppbv
 RT: 17.85 min Scan# 4639
 Delta R.T. -0.02 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

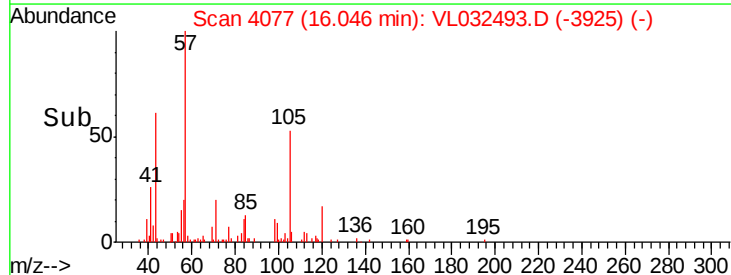
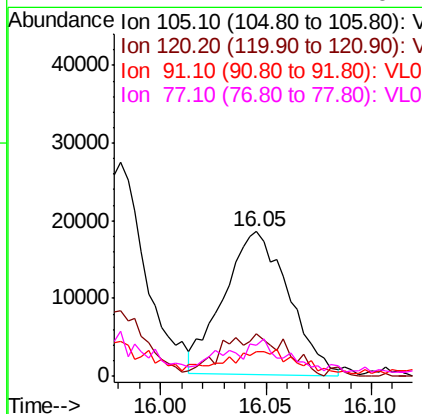
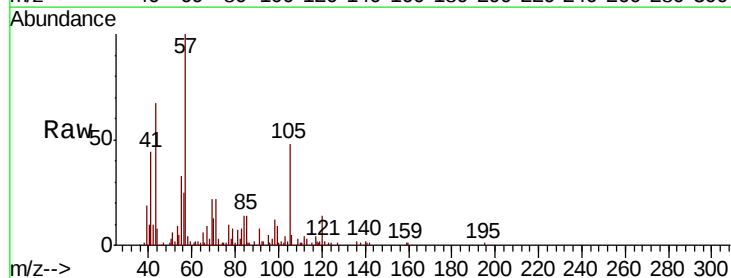
Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL

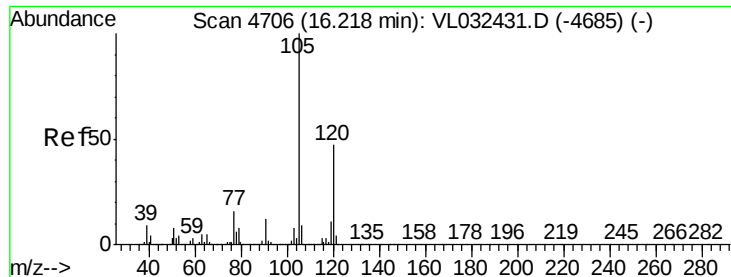
Tgt Ion:119 Resp: 18605
 Ion Ratio Lower Upper
 119 100
 134 30.6 20.4 30.6
 91 42.1 23.4 35.2#



#72
 4-Ethyltoluene
 Concen: 0.099 ppbv
 RT: 16.05 min Scan# 4077
 Delta R.T. -0.01 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

Tgt Ion:105 Resp: 39462
 Ion Ratio Lower Upper
 105 100
 120 31.2 23.5 35.3
 91 15.7 10.2 15.2#
 77 22.2 11.1 16.7#

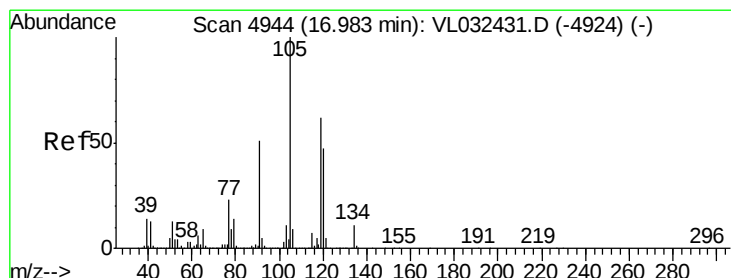
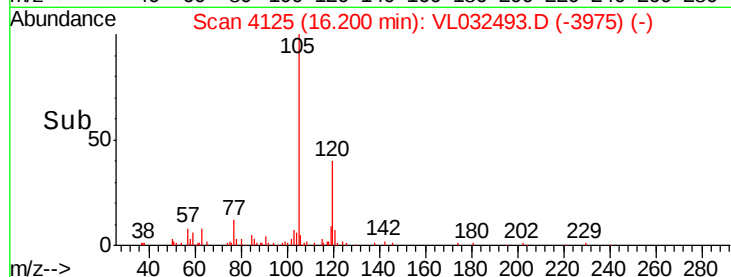
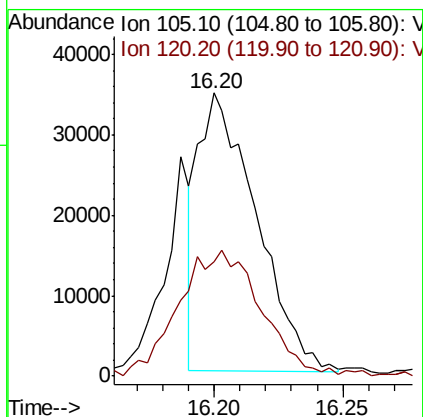
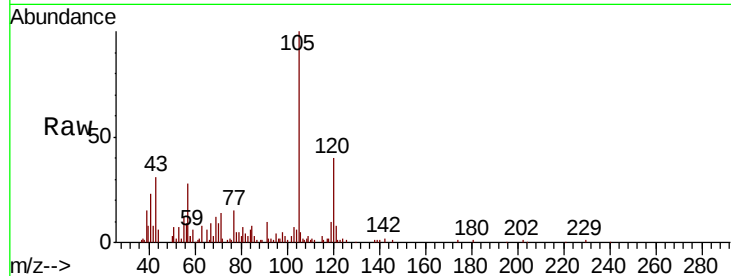




#73
 1,3,5-Trimethylbenzene
 Concen: 0.135 ppbv
 RT: 16.20 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL

Tgt Ion:105 Resp: 54154
 Ion Ratio Lower Upper
 105 100
 120 40.4 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 0.207 ppbv
 RT: 16.97 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: VL032493.D
 Acq: 11 Sep 2018 00:41

Tgt Ion:105 Resp: 90456
 Ion Ratio Lower Upper
 105 100
 120 43.0 37.8 56.8
 91 10.4 41.4 62.0#
 77 14.9 18.6 28.0#

