

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
 Data File : VL032490.D
 Acq On : 10 Sep 2018 22:43
 Operator : SY/AP
 Sample : J4820-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

Quant Time: Sep 11 01:12:06 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	1455555	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3478100	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3303228	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.62	95	2440183	9.95	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.10	85	89451	0.480	ppbv	98
3) Chlorodifluoromethane	3.04	51	65599	0.498	ppbv #	91
4) Chloromethane	3.20	50	42006	0.527	ppbv	92
7) Chloroethane	3.63	64	938	0.034	ppbv	97
8) Dichlorotetrafluoroethane	3.24	85	5460	0.033	ppbv	95
9) Propene	3.06	41	532523	10.019	ppbv	98
10) Heptane	8.29	43	18151	0.095	ppbv #	75
11) Trichlorofluoromethane	4.03	101	40031	0.238	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.58	101	8387	0.074	ppbv #	62
13) Ethanol	3.69	45	205818	12.423	ppbv	98
15) Acetone	3.93	43	2077987	15.853	ppbv #	67
16) 1,3-Butadiene	3.37	39	968492	15.702	ppbv #	6
17) tert-Butyl alcohol	4.41	59	34725	1.722	ppbv #	100
19) Isopropyl Alcohol	4.07	45	57418	0.668	ppbv #	93
20) Methylene Chloride	4.44	84	273770	5.478	ppbv	98
21) Allyl Chloride	4.44	41	4703	0.054	ppbv #	23
23) Vinyl Acetate	5.18	43	100634	0.463	ppbv #	75
25) Ethyl Acetate	5.81	43	247623	0.800	ppbv #	84
26) Hexane	5.82	57	294967	2.128	ppbv #	47
27) Carbon Disulfide	4.65	76	76100	0.595	ppbv #	81
29) Chloroform	5.89	83	140190	0.663	ppbv	91
30) Cyclohexane	7.29	84	6017	0.059	ppbv #	1
34) 2-Butanone	5.36	43	7727894	33.450	ppbv	96
35) Carbon Tetrachloride	7.17	117	11650	0.050	ppbv #	93
36) Benzene	7.05	78	107408	0.363	ppbv	98
38) Trichloroethene	8.00	130	52358	0.466	ppbv	95
39) 1,2-Dichloropropane	7.34	63	927362	7.323	ppbv #	27
44) 2,2,4-Trimethylpentane	8.04	57	87004	0.152	ppbv #	66
51) 2-Hexanone	10.32	43	570197	2.544	ppbv #	99
53) Toluene	9.99	91	70996	0.229	ppbv #	21
58) Ethyl Benzene	12.91	91	27944	0.071	ppbv	100
59) m/p-Xylene	13.19	91	31347	0.089	ppbv #	31
60) o-Xylene	13.89	91	37476	0.108	ppbv	74
61) Styrene	13.73	104	11905	0.053	ppbv #	25
62) Isopropylbenzene	14.87	105	15586	0.032	ppbv #	66
65) tert-Butylbenzene	17.17	119	318205	0.759	ppbv #	19
66) Benzyl Chloride	17.18	91	8420	0.036	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.20	105	22790	0.060	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.97	105	84792	0.205	ppbv #	75
80) Naphthalene,2-methyl-	25.15	142	6123	0.068	ppbv #	77

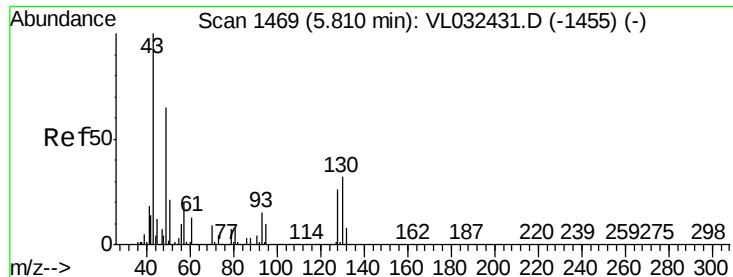
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032490.D
Acq On : 10 Sep 2018 22:43
Operator : SY/AP
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QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

243-BERRY

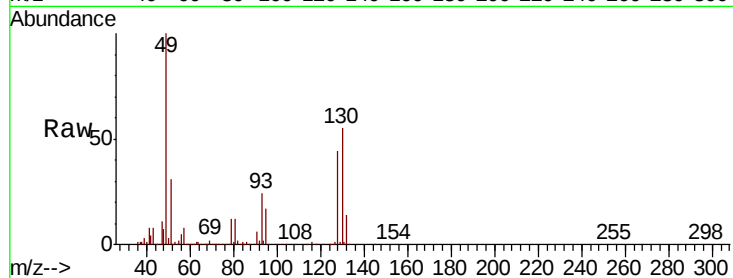
Tgt Ion: 49 Resp: 145555

Ion Ratio Lower Upper

49 100

128 43.3 20.7 62.1

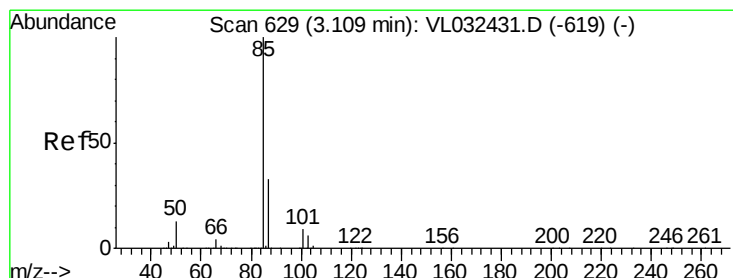
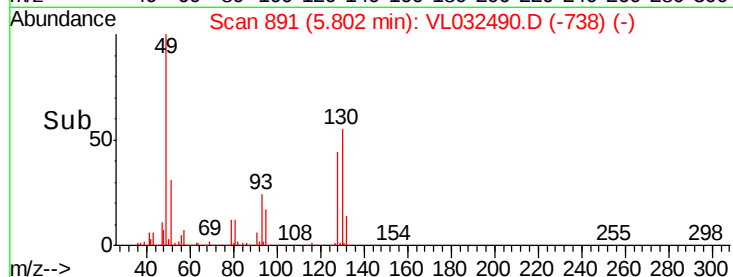
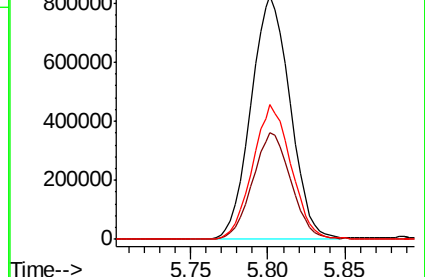
130 54.5 26.6 79.7



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: 0.480 ppbv

RT: 3.10 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL032490.D

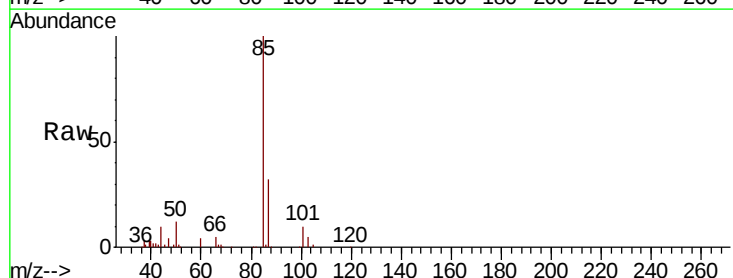
Acq: 10 Sep 2018 22:43

Tgt Ion: 85 Resp: 89451

Ion Ratio Lower Upper

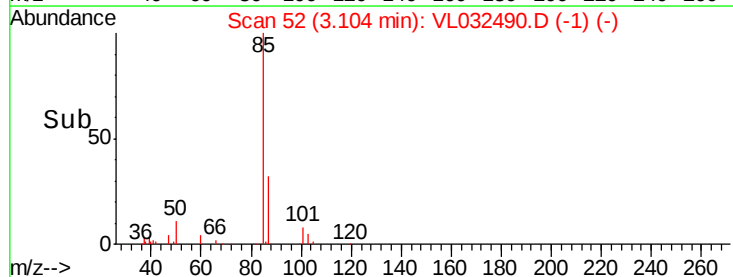
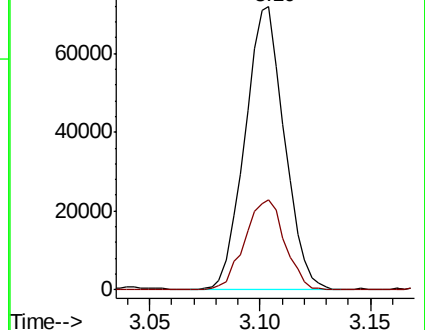
85 100

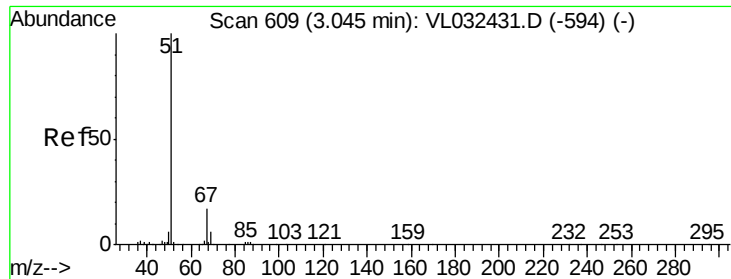
87 31.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.498 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

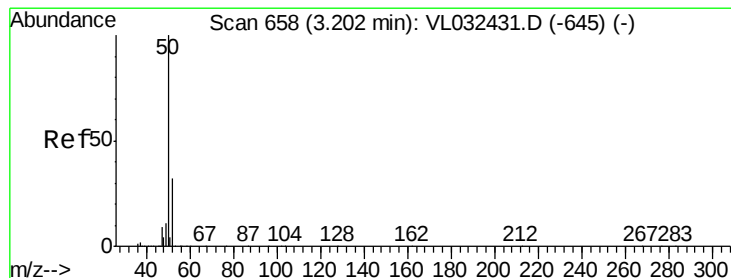
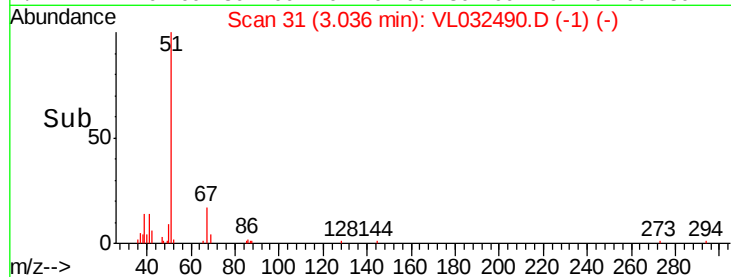
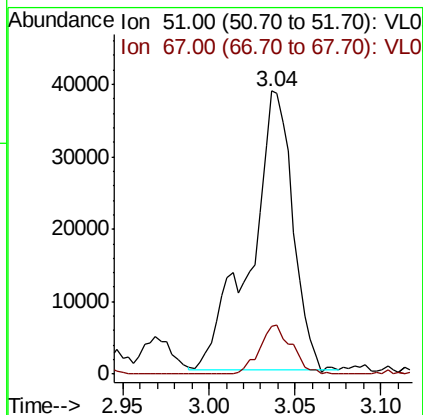
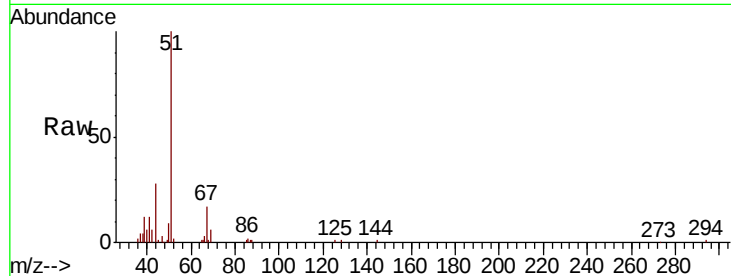
243-BERRY

Tgt Ion: 51 Resp: 65599

Ion Ratio Lower Upper

51 100

67 13.4 13.8 20.8#



#4

Chloromethane

Concen: 0.527 ppbv

RT: 3.20 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL032490.D

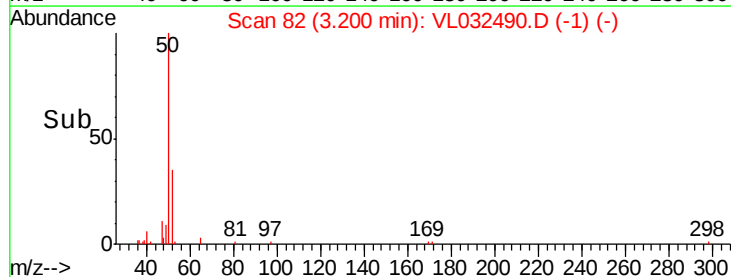
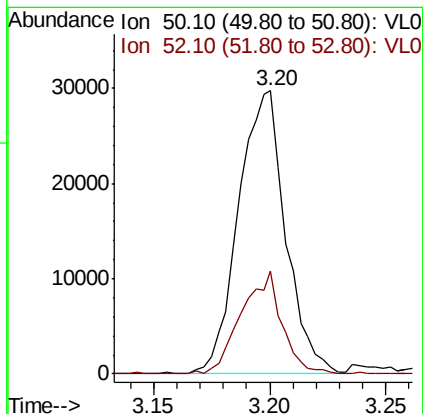
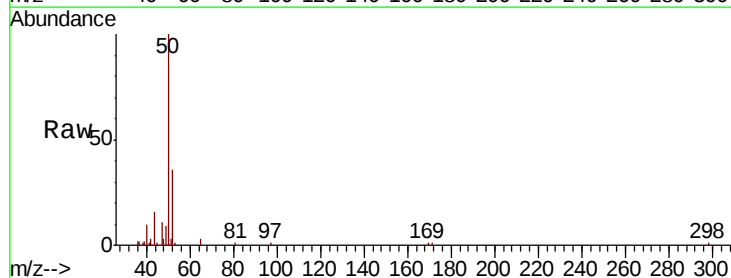
Acq: 10 Sep 2018 22:43

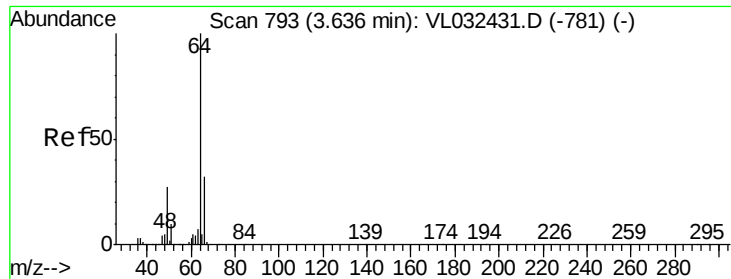
Tgt Ion: 50 Resp: 42006

Ion Ratio Lower Upper

50 100

52 36.3 25.6 38.4





#7

Chloroethane

Concen: 0.034 ppbv

RT: 3.63 min Scan# 217

Delta R.T. -0.00 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

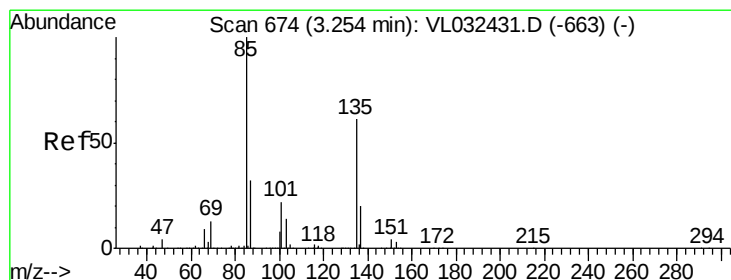
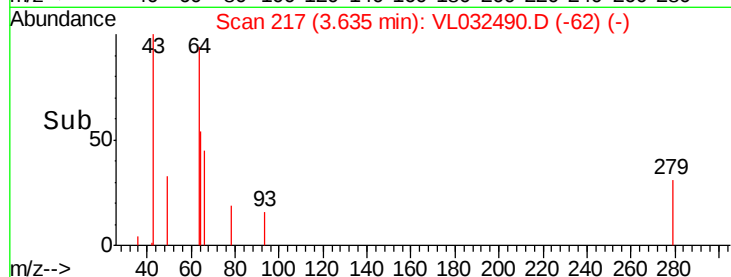
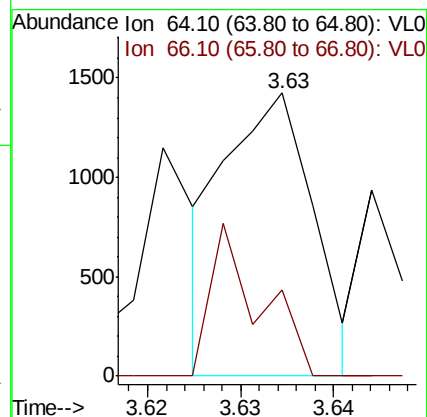
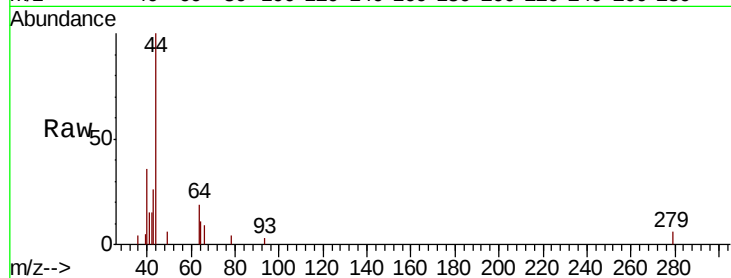
243-BERRY

Tgt Ion: 64 Resp: 938

Ion Ratio Lower Upper

64 100

66 30.3 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 0.033 ppbv

RT: 3.24 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL032490.D

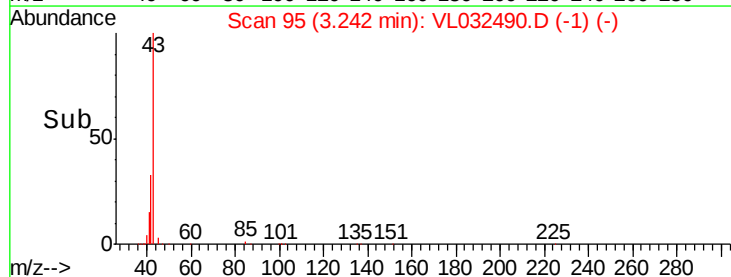
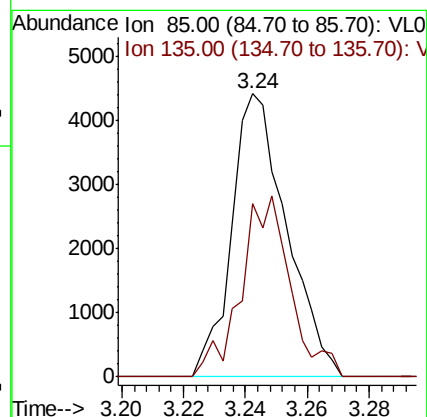
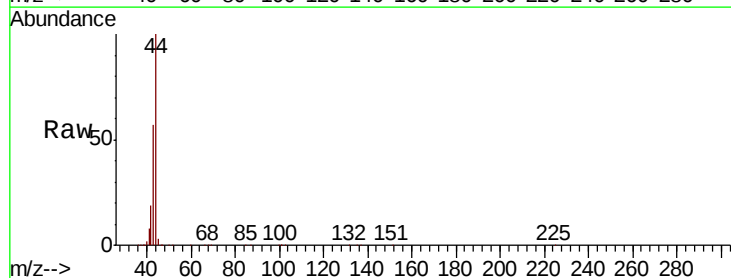
Acq: 10 Sep 2018 22:43

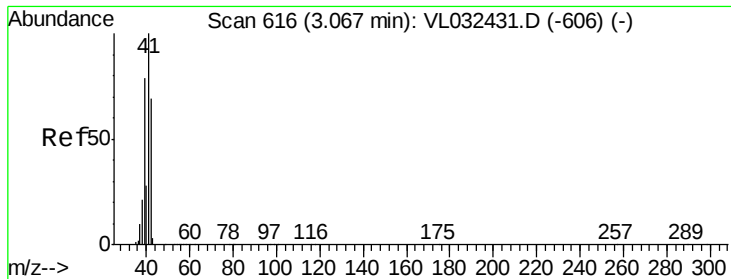
Tgt Ion: 85 Resp: 5460

Ion Ratio Lower Upper

85 100

135 57.2 48.6 72.8





#9

Propene

Concen: 10.019 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

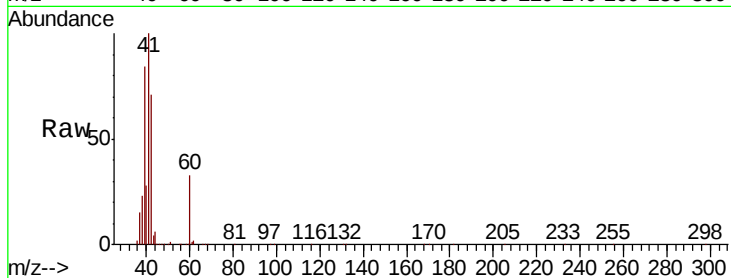
243-BERRY

Tgt Ion: 41 Resp: 532523

Ion Ratio Lower Upper

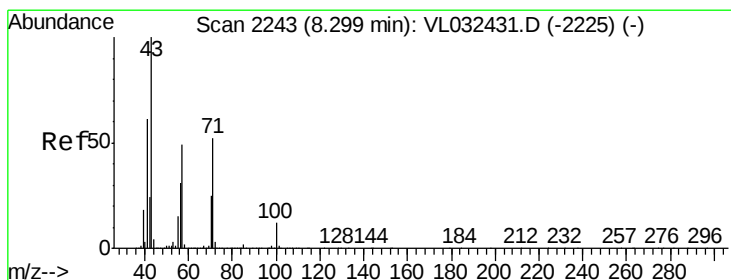
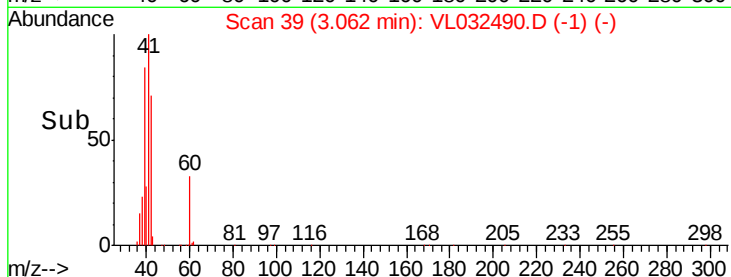
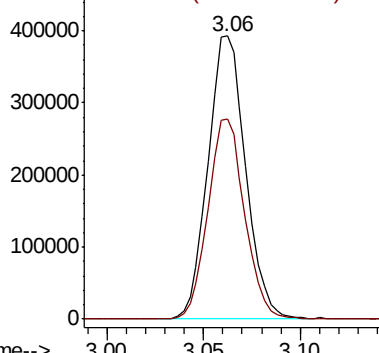
41 100

42 69.3 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.095 ppbv

RT: 8.29 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL032490.D

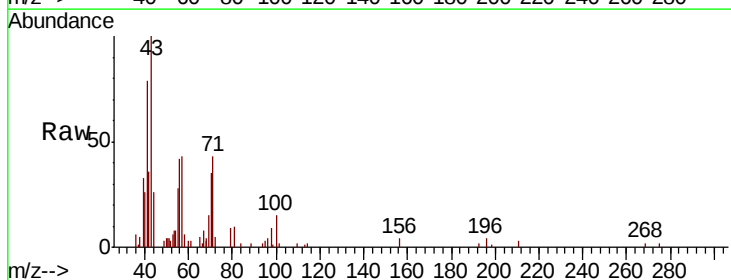
Acq: 10 Sep 2018 22:43

Tgt Ion: 43 Resp: 18151

Ion Ratio Lower Upper

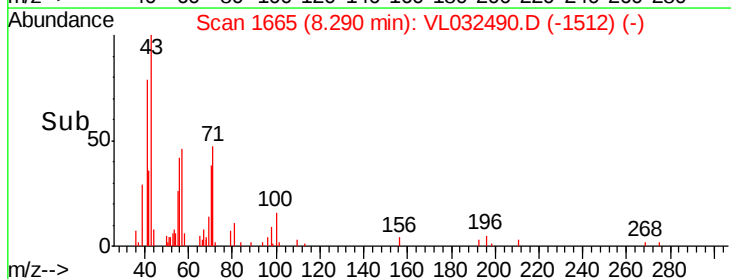
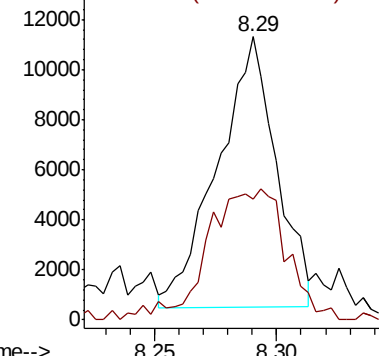
43 100

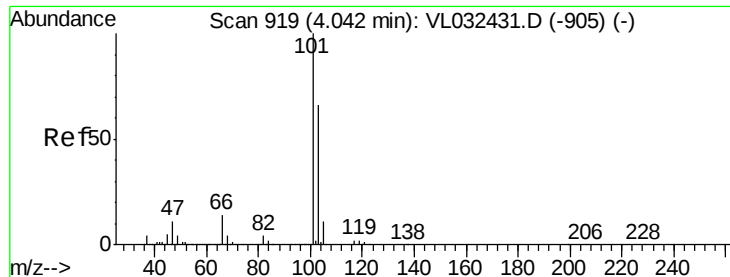
57 66.7 39.6 59.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.238 ppbv

RT: 4.03 min Scan# 341

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

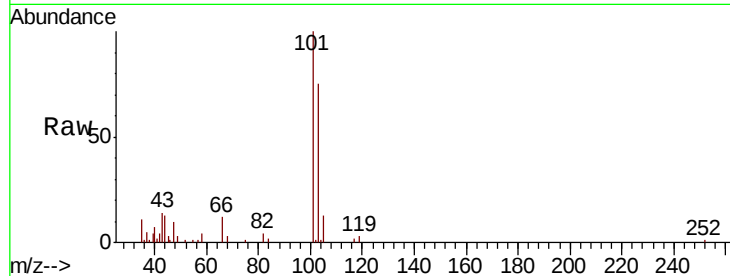
243-BERRY

Tgt Ion:101 Resp: 40031

Ion Ratio Lower Upper

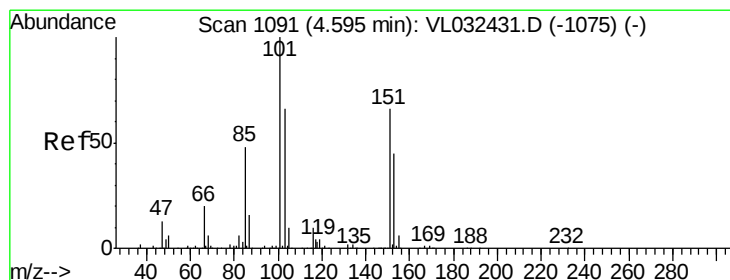
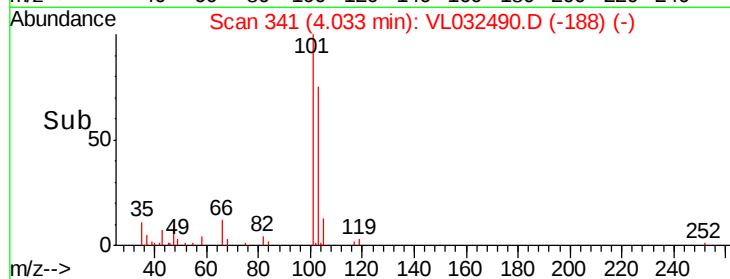
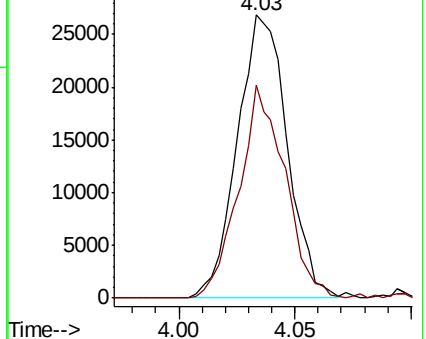
101 100

103 75.2 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.074 ppbv

RT: 4.58 min Scan# 512

Delta R.T. -0.01 min

Lab File: VL032490.D

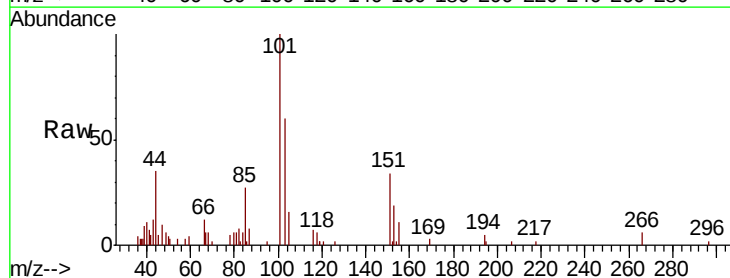
Acq: 10 Sep 2018 22:43

Tgt Ion:101 Resp: 8387

Ion Ratio Lower Upper

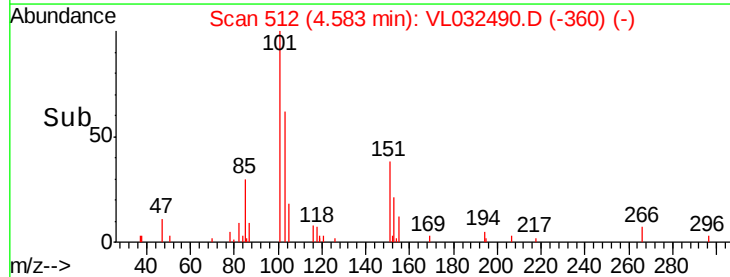
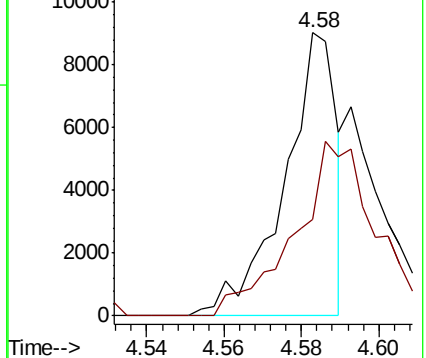
101 100

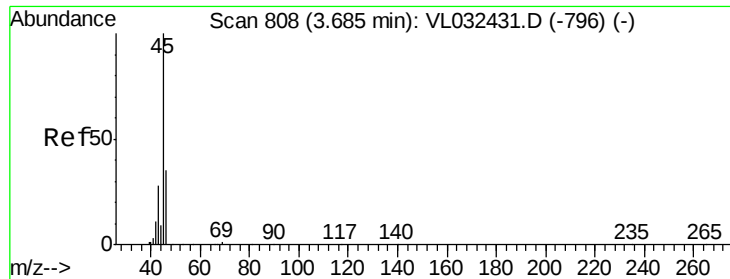
151 95.5 52.6 78.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 12.423 ppbv

RT: 3.69 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

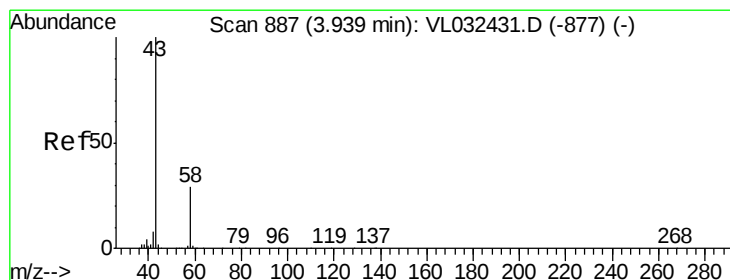
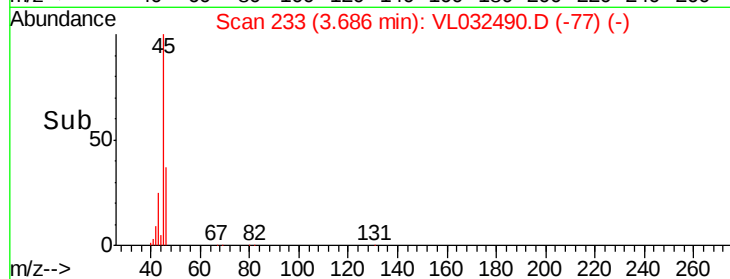
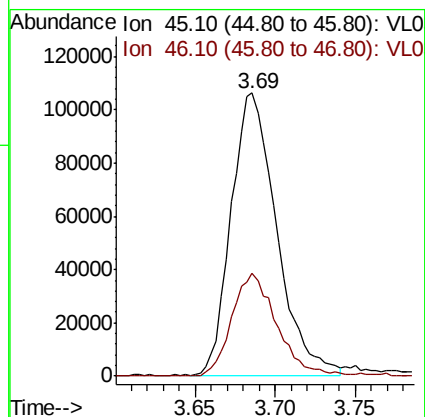
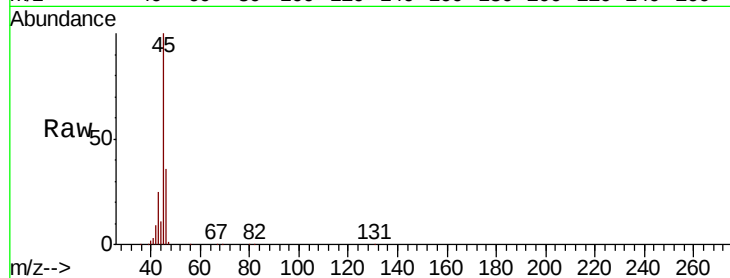
243-BERRY

Tgt Ion: 45 Resp: 205818

Ion Ratio Lower Upper

45 100

46 36.7 14.2 56.8



#15

Acetone

Concen: 15.853 ppbv

RT: 3.93 min Scan# 308

Delta R.T. -0.01 min

Lab File: VL032490.D

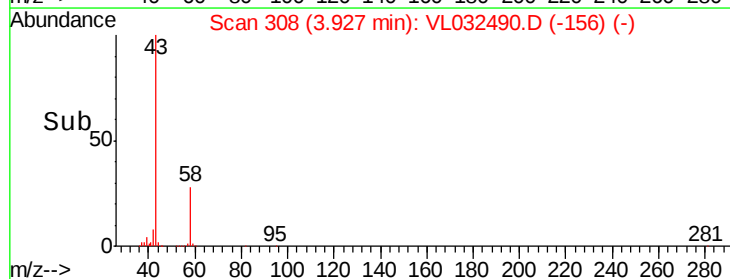
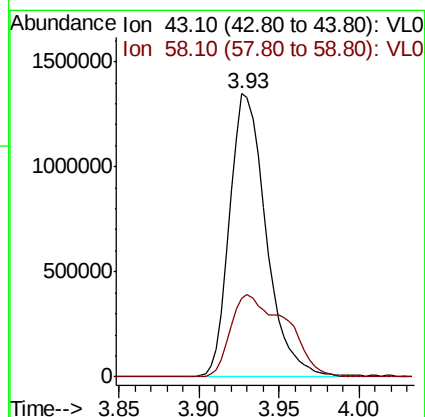
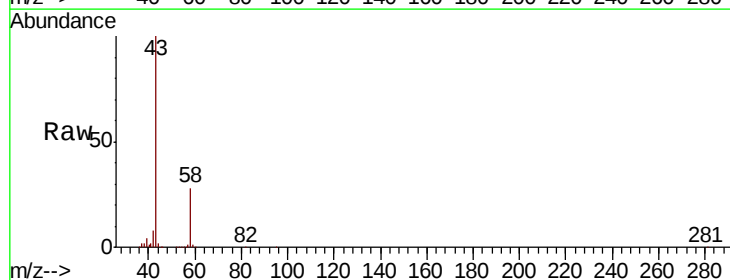
Acq: 10 Sep 2018 22:43

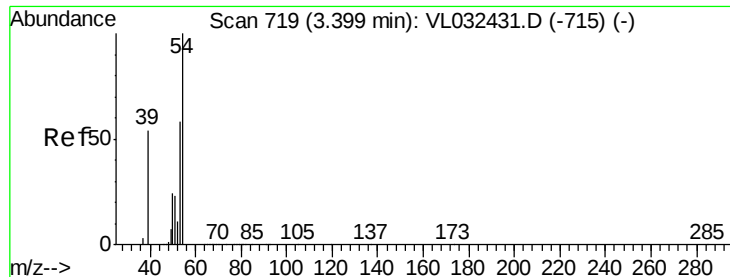
Tgt Ion: 43 Resp: 2077987

Ion Ratio Lower Upper

43 100

58 45.4 22.6 33.8#

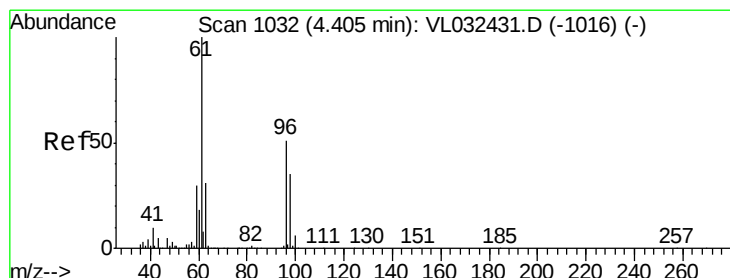
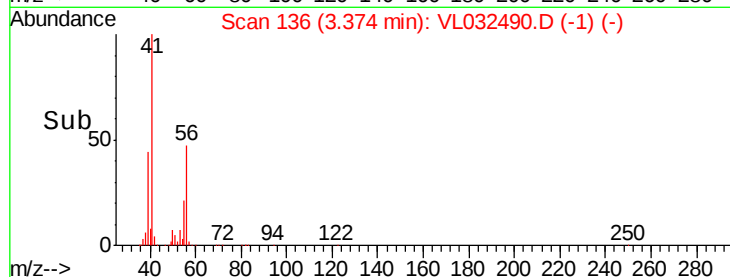
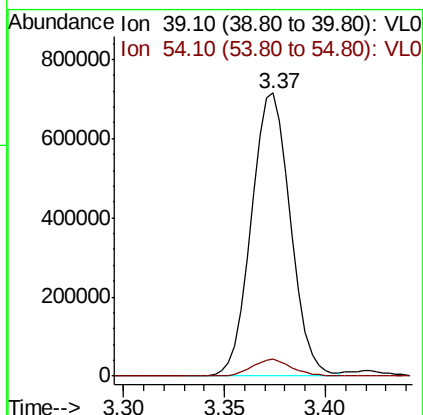
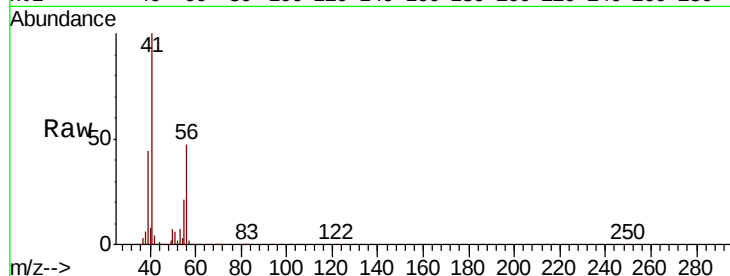




#16
 1,3-Butadiene
 Concen: 15.702 ppbv
 RT: 3.37 min Scan# 136
 Delta R.T. -0.02 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

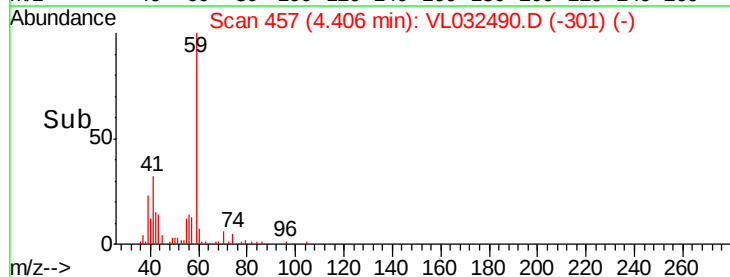
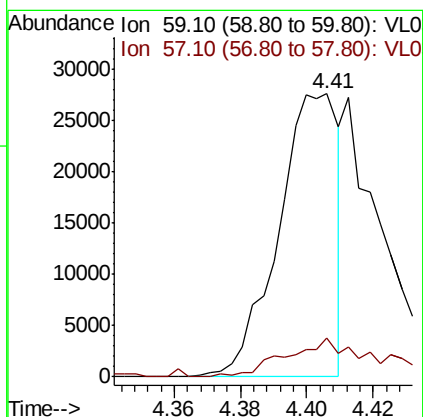
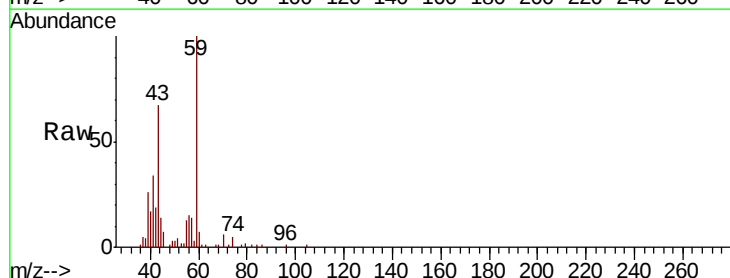
Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

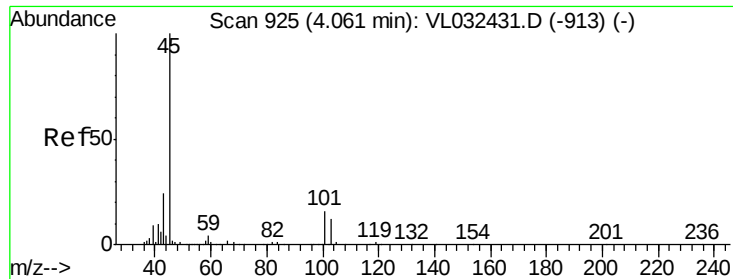
Tgt Ion: 39 Resp: 968492
 Ion Ratio Lower Upper
 39 100
 54 6.3 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 1.722 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

Tgt Ion: 59 Resp: 34725
 Ion Ratio Lower Upper
 59 100
 57 21.3 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 0.668 ppbv

RT: 4.07 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

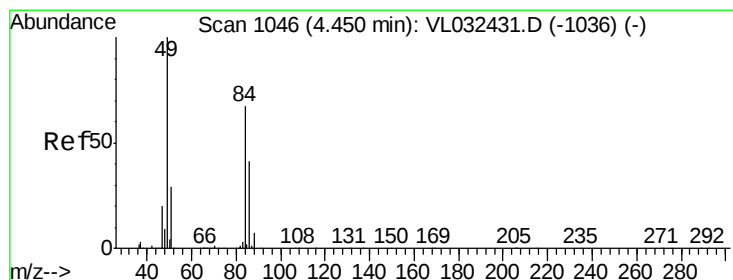
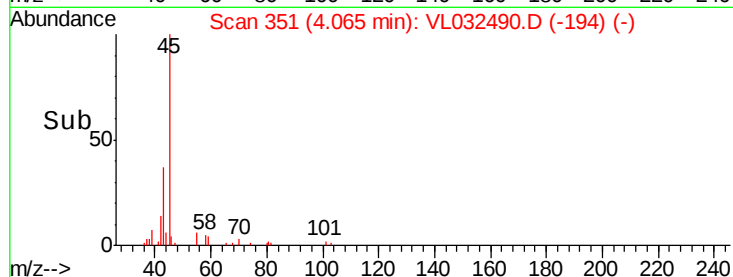
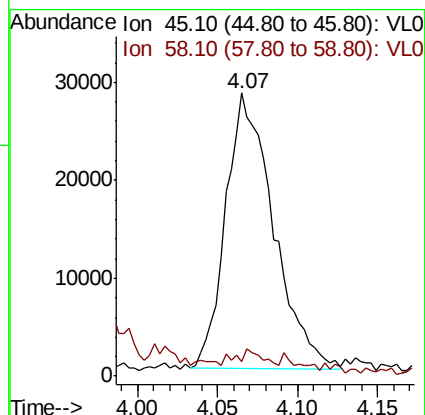
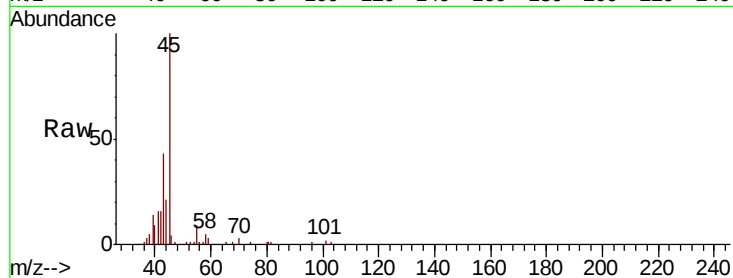
243-BERRY

Tgt Ion: 45 Resp: 57418

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 5.478 ppbv

RT: 4.44 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Tgt Ion: 84 Resp: 273770

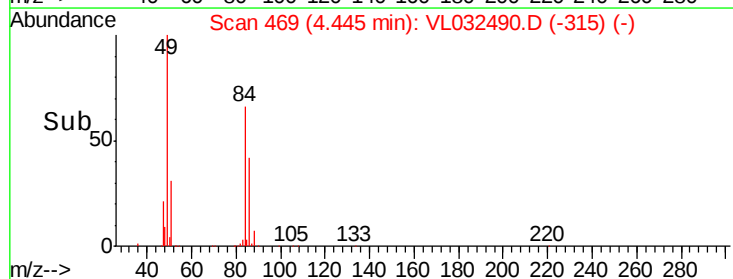
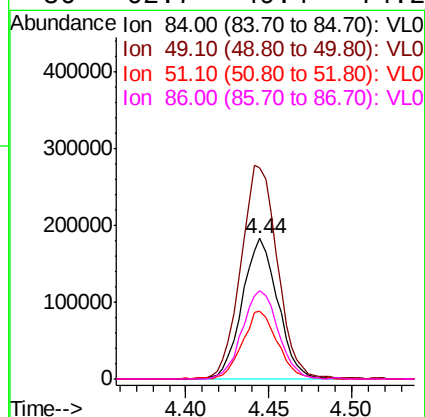
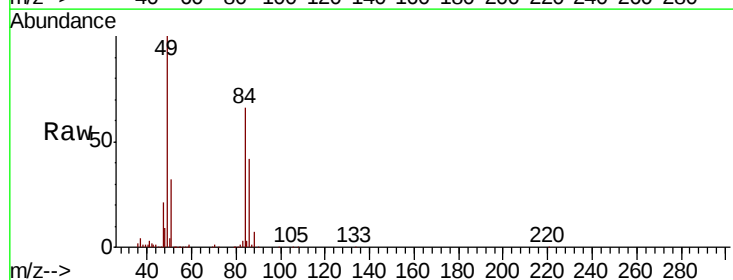
Ion Ratio Lower Upper

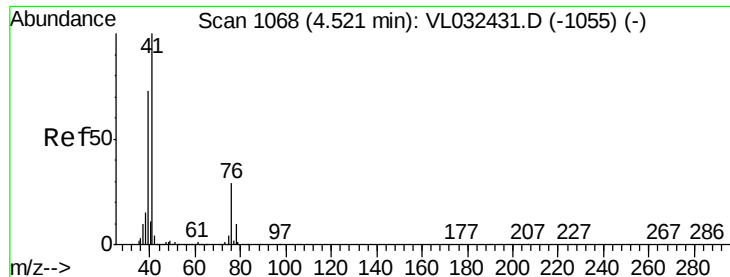
84 100

49 150.1 119.1 178.7

51 47.8 35.2 52.8

86 62.7 49.4 74.2

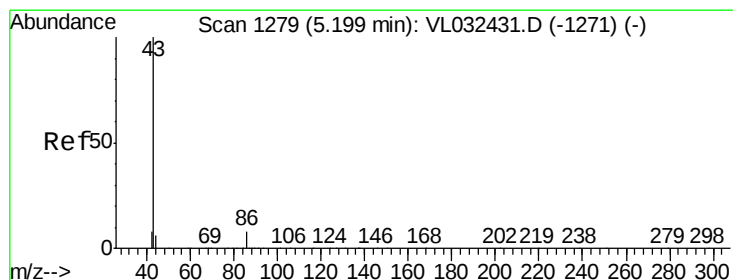
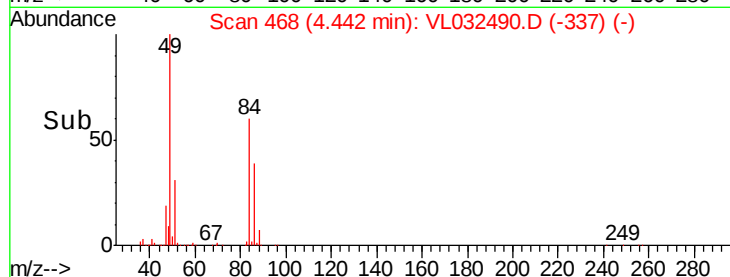
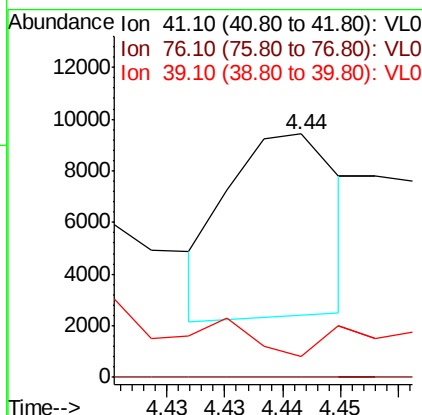
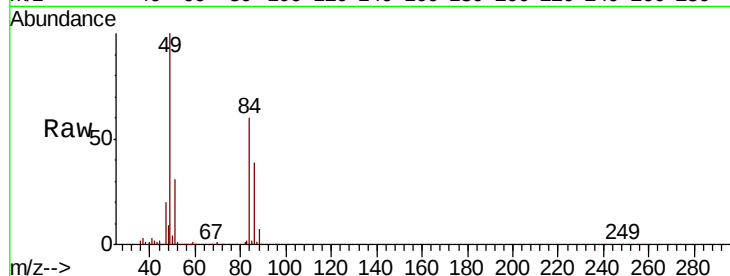




#21
 Allyl Chloride
 Concen: 0.054 ppbv
 RT: 4.44 min Scan# 468
 Delta R.T. -0.08 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

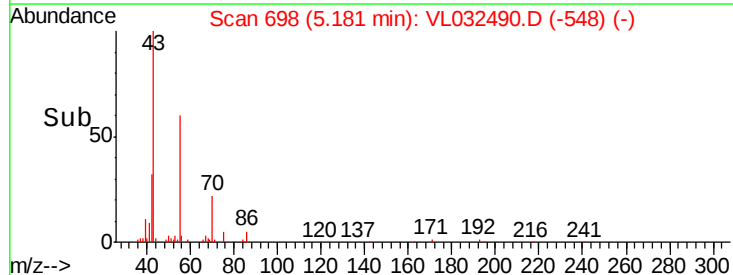
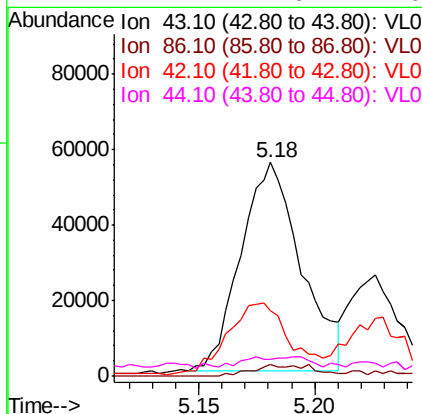
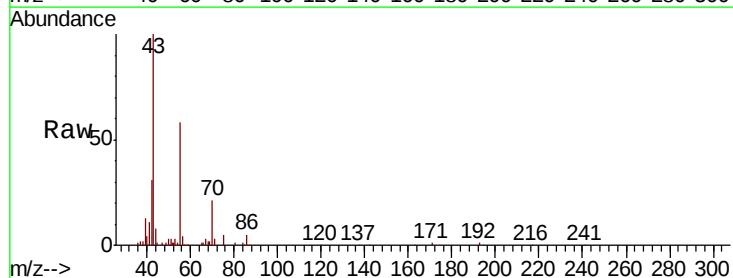
Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

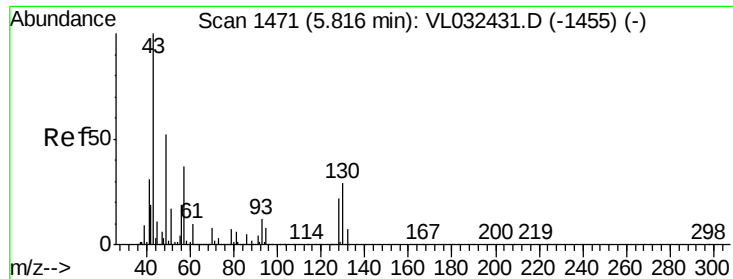
Tgt Ion: 41 Resp: 4703
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.6 35.4#
 39 0.0 57.7 86.5#



#23
 Vinyl Acetate
 Concen: 0.463 ppbv
 RT: 5.18 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

Tgt Ion: 43 Resp: 100634
 Ion Ratio Lower Upper
 43 100
 86 5.3 5.9 8.9#
 42 28.4 6.9 10.3#
 44 4.1 4.6 7.0#

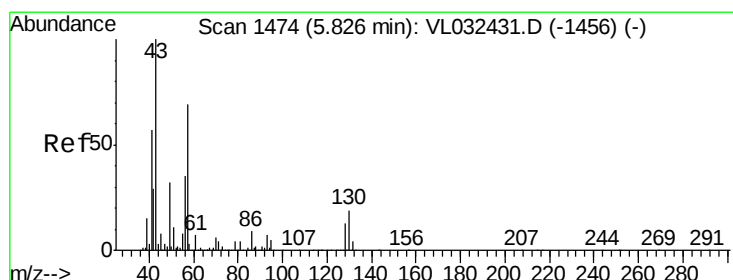
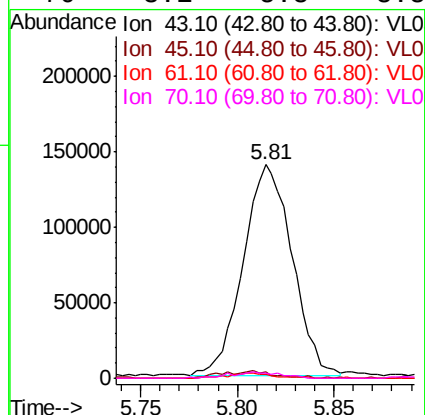
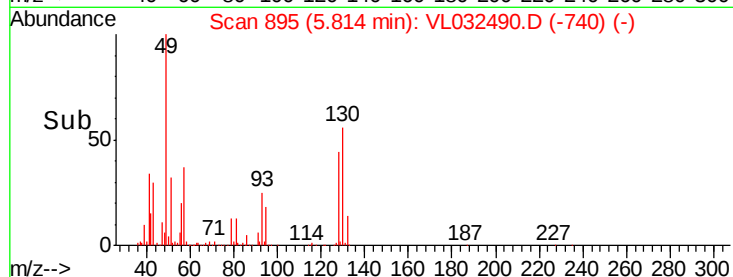
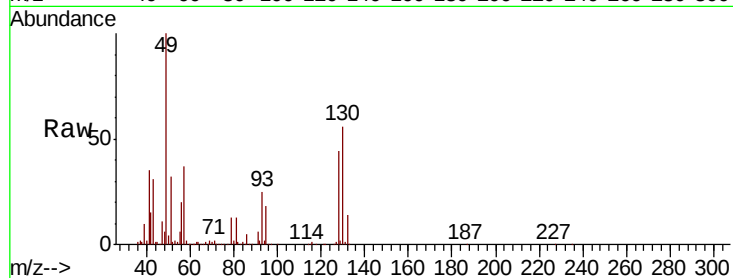




#25
Ethyl Acetate
Concen: 0.800 ppbv
RT: 5.81 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

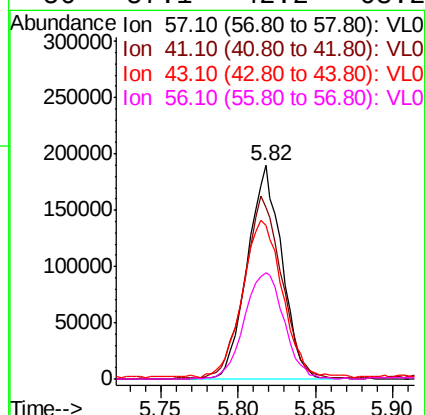
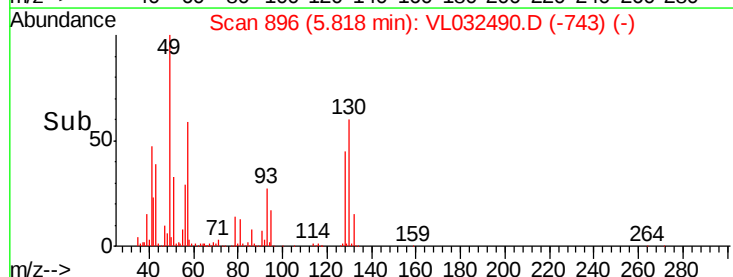
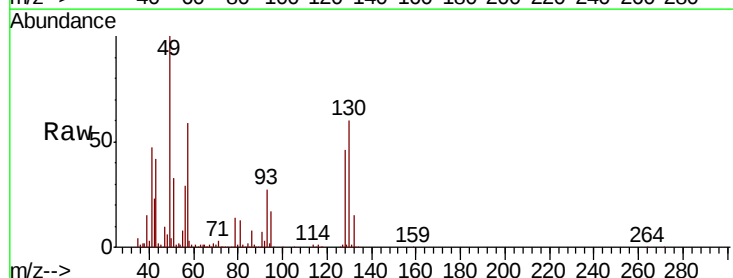
Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

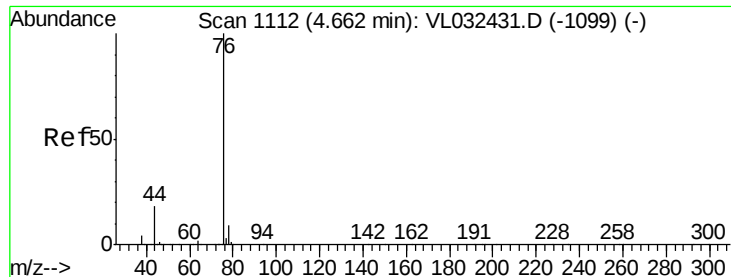
Tgt Ion:	43	Resp:	247623
Ion	Ratio	Lower	Upper
43	100		
45	4.3	8.0	12.0#
61	2.3	7.6	11.4#
70	3.1	5.8	8.8#



#26
Hexane
Concen: 2.128 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

Tgt Ion:	57	Resp:	294967
Ion	Ratio	Lower	Upper
57	100		
41	93.9	69.0	103.4
43	84.7	172.1	258.1#
56	57.1	42.2	63.2





#27

Carbon Disulfide

Concen: 0.595 ppbv

RT: 4.65 min Scan# 534

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

243-BERRY

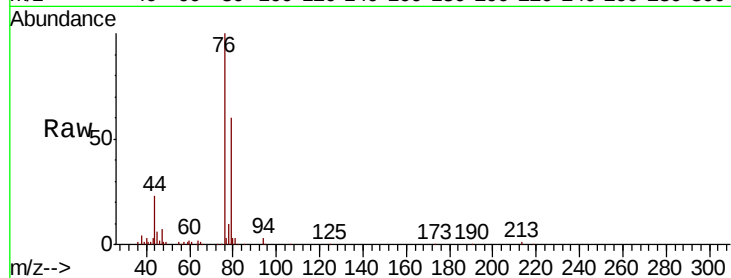
Tgt Ion: 76 Resp: 76100

Ion Ratio Lower Upper

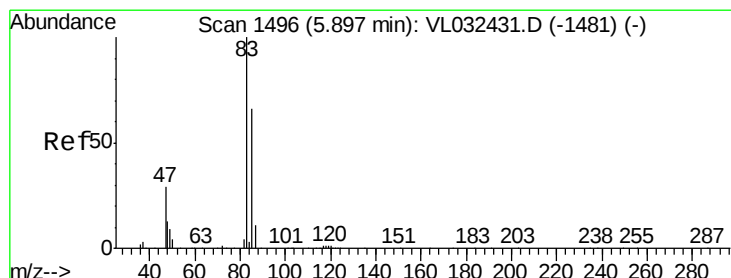
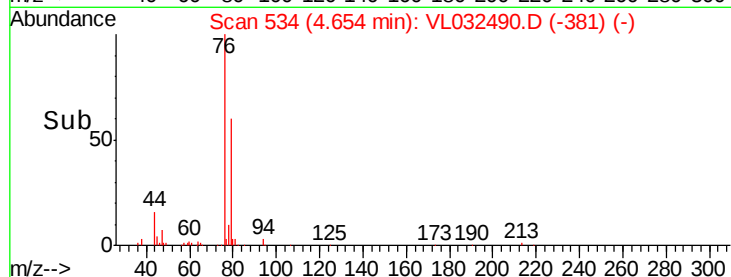
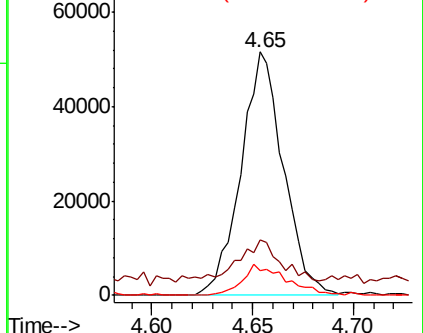
76 100

44 27.6 14.0 21.0#

78 13.3 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.663 ppbv

RT: 5.89 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL032490.D

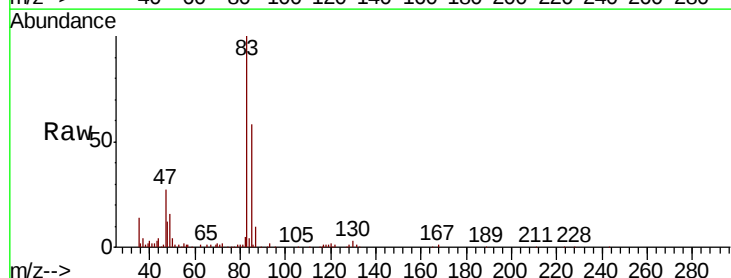
Acq: 10 Sep 2018 22:43

Tgt Ion: 83 Resp: 140190

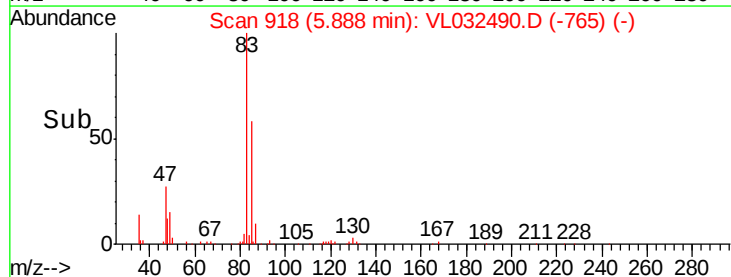
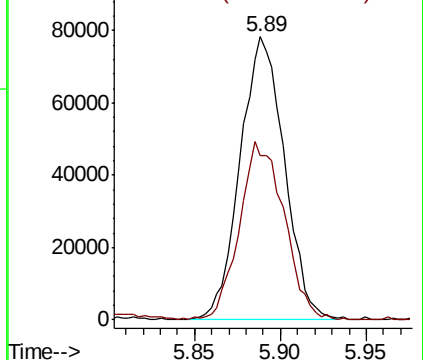
Ion Ratio Lower Upper

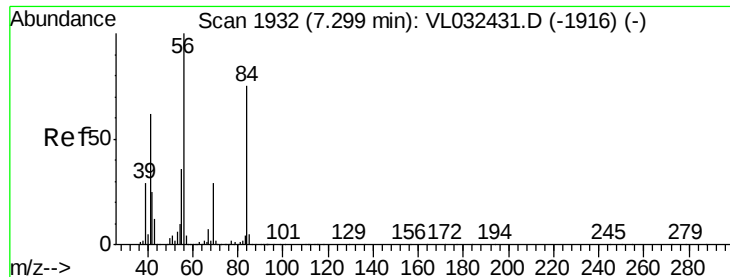
83 100

85 58.2 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

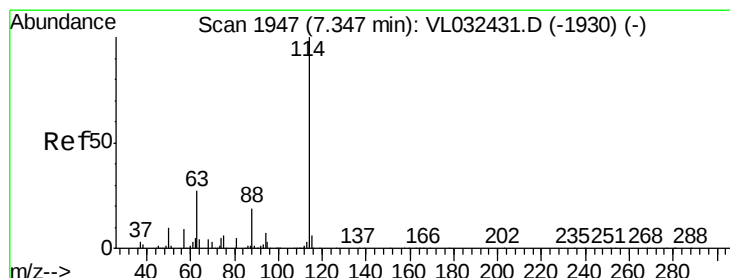
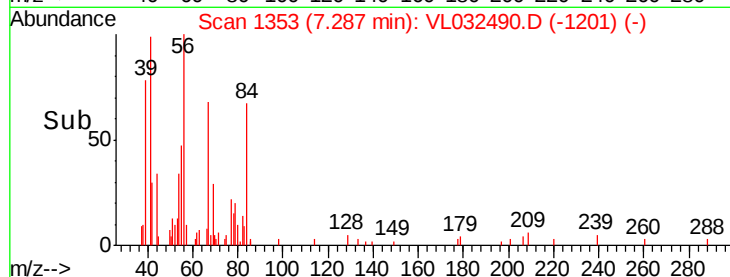
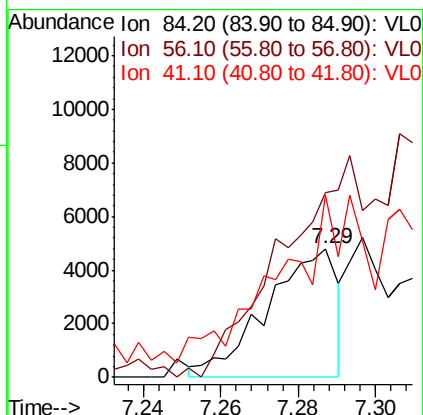
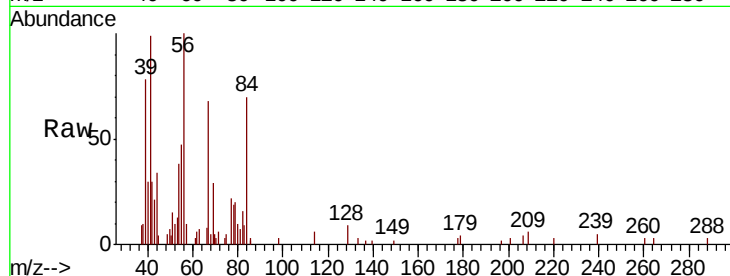




#30
Cyclohexane
Concen: 0.059 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

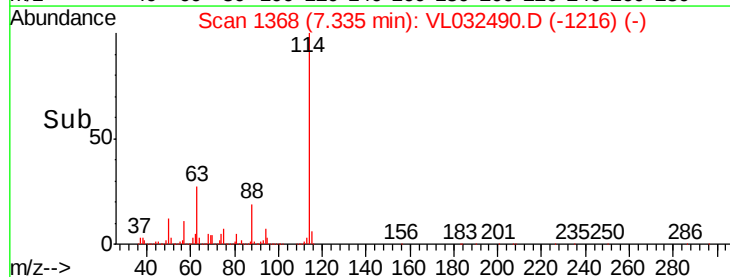
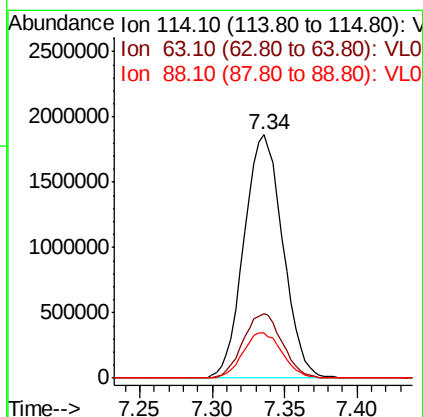
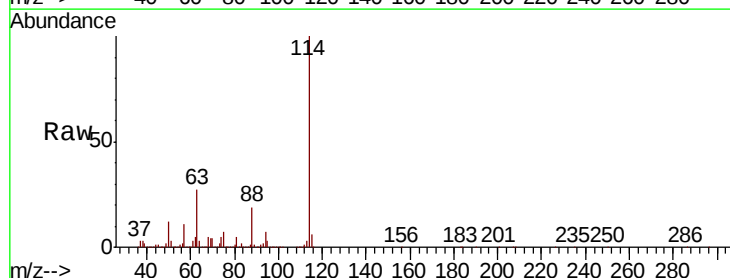
Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

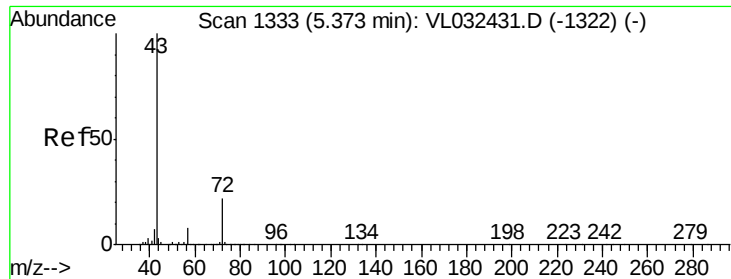
Tgt Ion: 84 Resp: 6017
Ion Ratio Lower Upper
84 100
56 0.0 113.5 170.3#
41 0.0 68.1 102.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

Tgt Ion: 114 Resp: 3478100
Ion Ratio Lower Upper
114 100
63 26.7 22.2 33.4
88 18.8 15.0 22.4

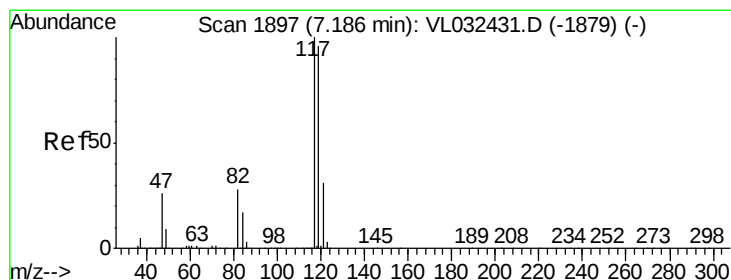
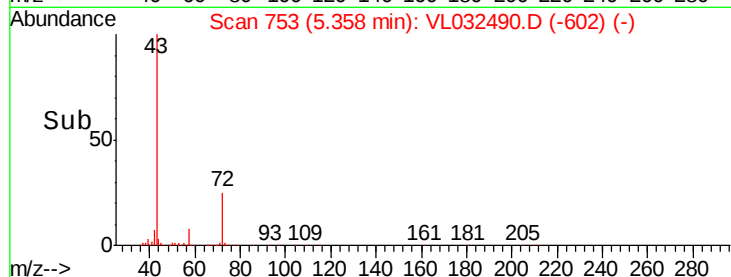
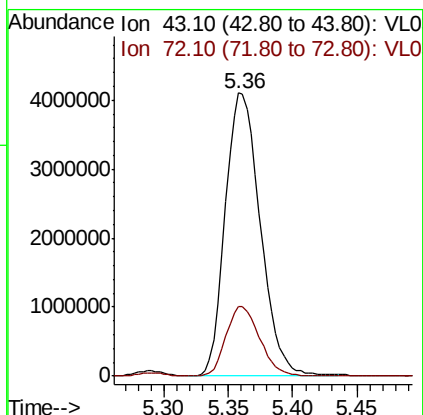
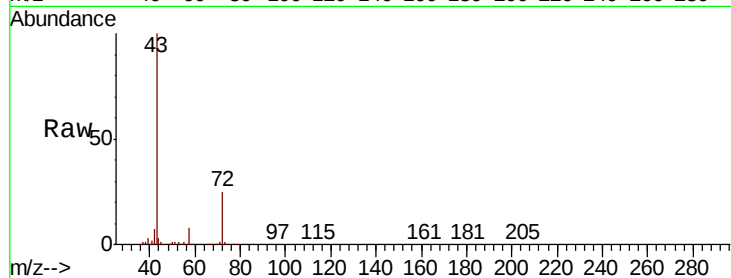




#34
2-Butanone
Concen: 33.450 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

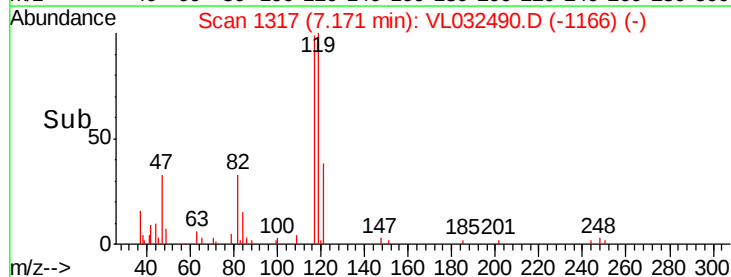
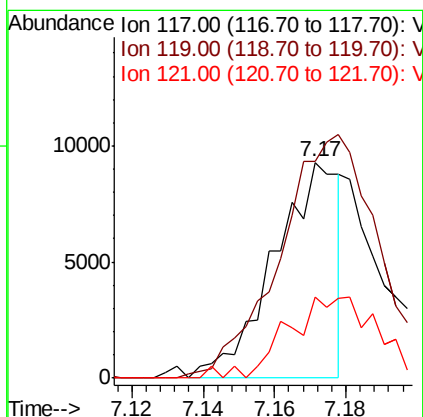
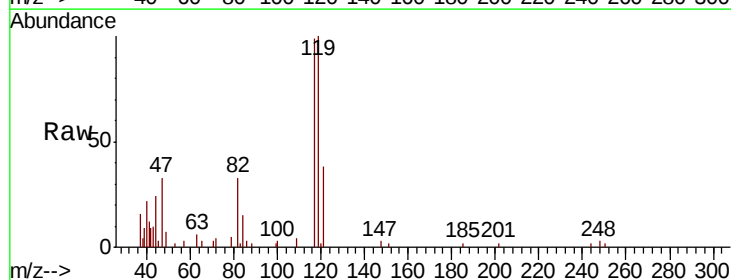
Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

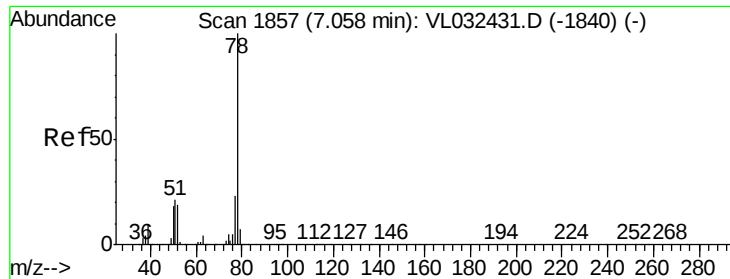
Tgt Ion: 43 Resp: 7727894
Ion Ratio Lower Upper
43 100
72 23.9 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.050 ppbv
RT: 7.17 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

Tgt Ion: 117 Resp: 11650
Ion Ratio Lower Upper
117 100
119 100.5 76.6 115.0
121 37.9 24.6 36.8#





#36

Benzene

Concen: 0.363 ppbv

RT: 7.05 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

243-BERRY

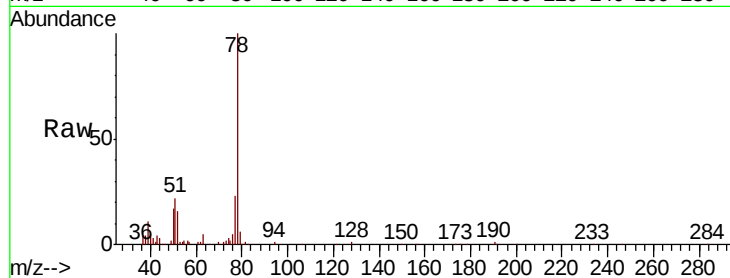
Tgt Ion: 78 Resp: 107408

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

50 16.0 14.4 21.6

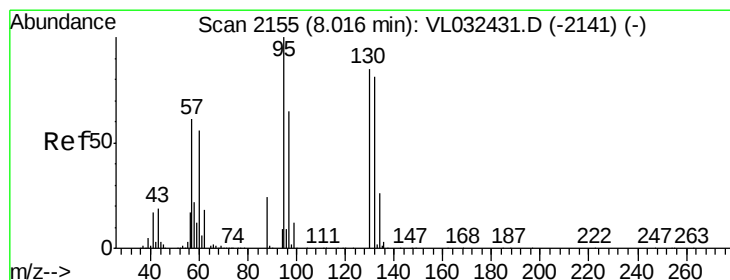
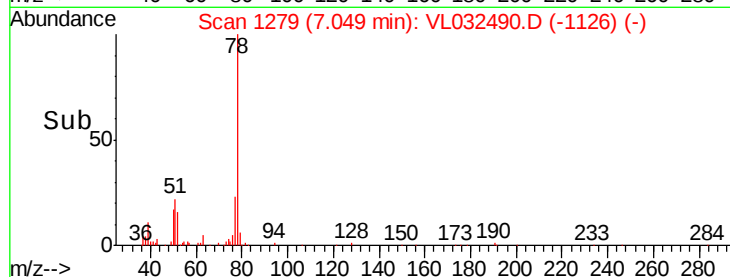
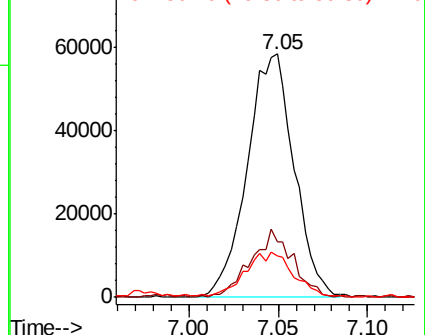


Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 0.466 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Tgt Ion: 130 Resp: 52358

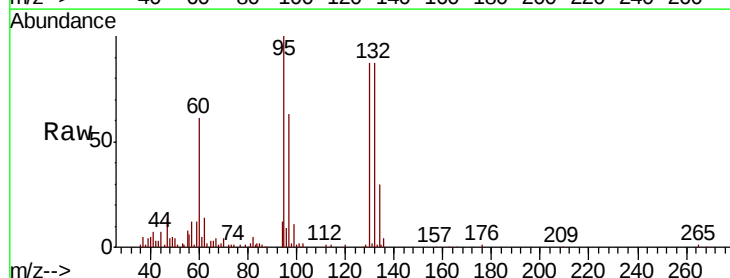
Ion Ratio Lower Upper

130 100

95 111.9 94.2 141.4

132 99.1 76.2 114.4

97 72.0 60.8 91.2



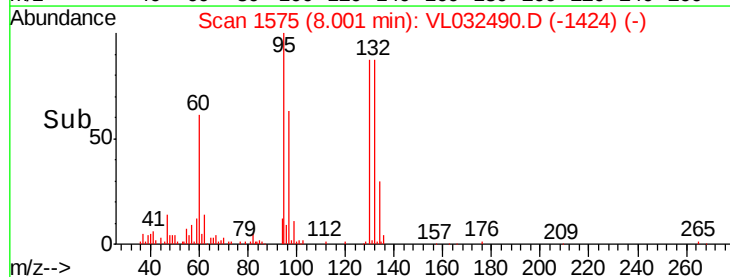
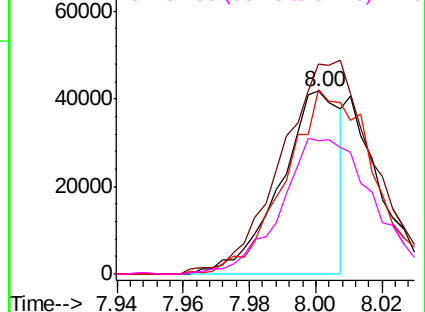
Abundance

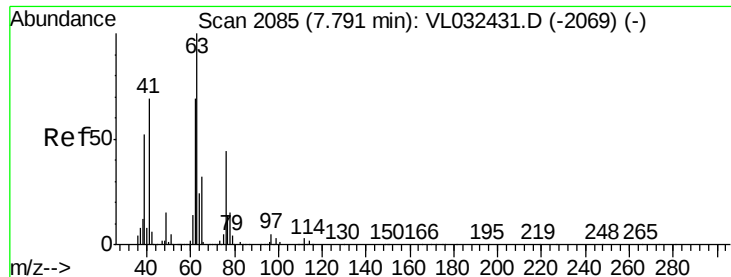
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

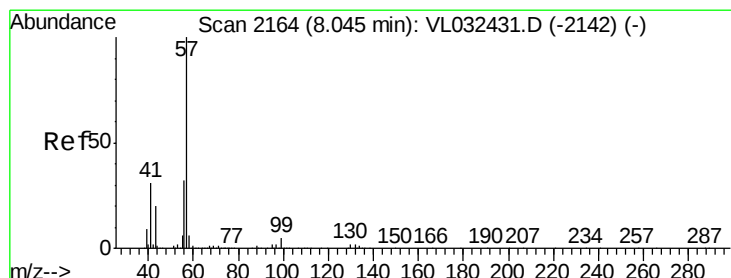
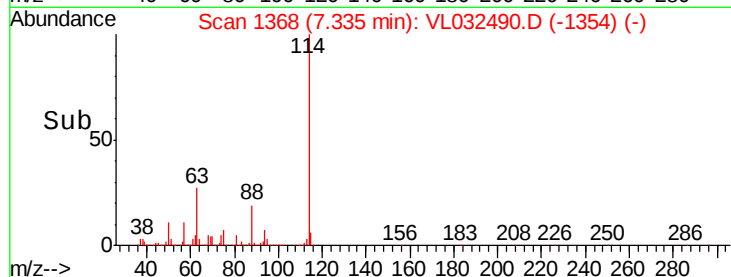
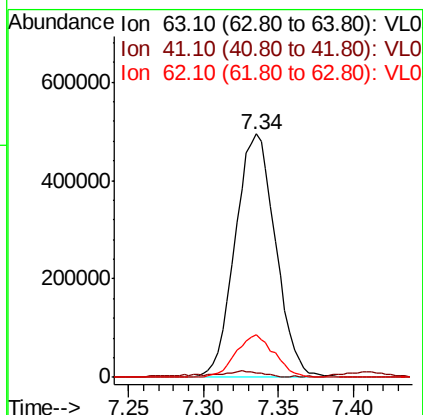
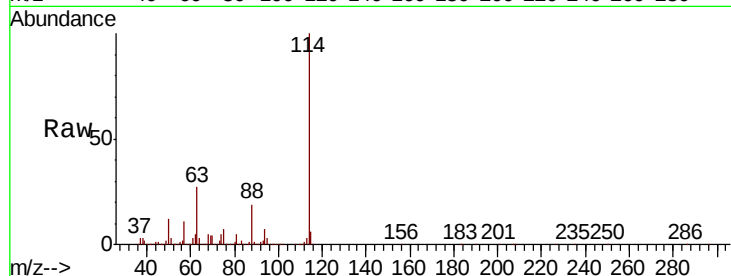




#39
 1,2-Dichloropropane
 Concen: 7.323 ppbv
 RT: 7.34 min Scan# 1368
 Delta R.T. -0.46 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

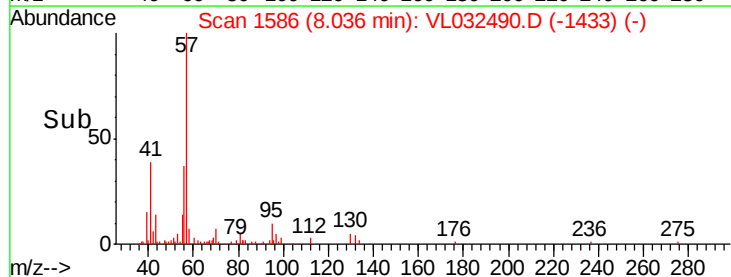
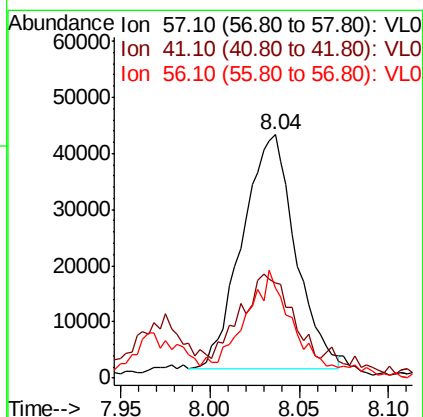
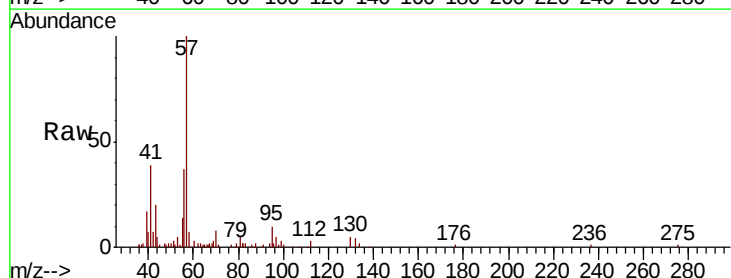
Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

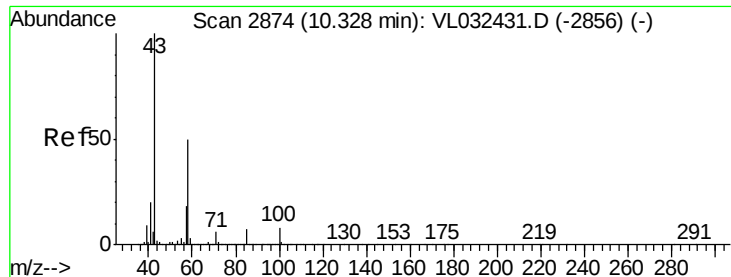
Tgt Ion	Ratio	Lower	Upper
63	100		
41	1.1	55.4	83.0#
62	17.7	55.4	83.0#



#44
 2,2,4-Trimethylpentane
 Concen: 0.152 ppbv
 RT: 8.04 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	53.1	24.4	36.6#
56	46.7	25.7	38.5#

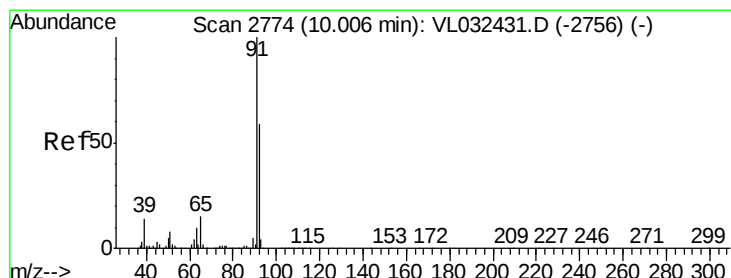
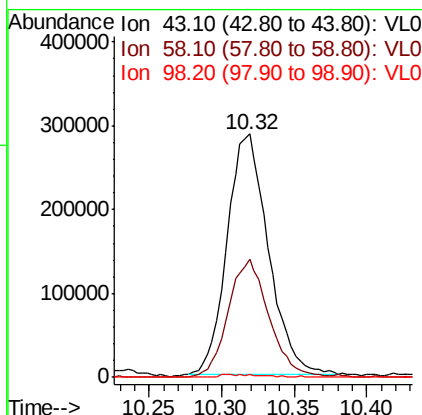
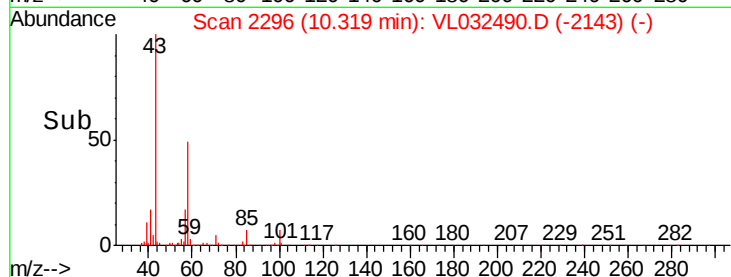
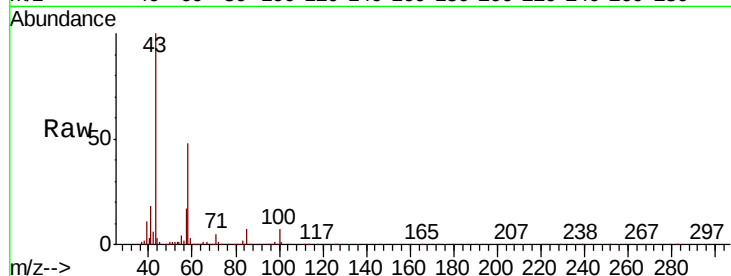




#51
2-Hexanone
Concen: 2.544 ppbv
RT: 10.32 min Scan# 2296
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

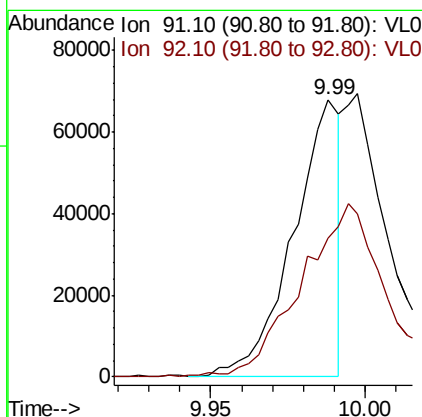
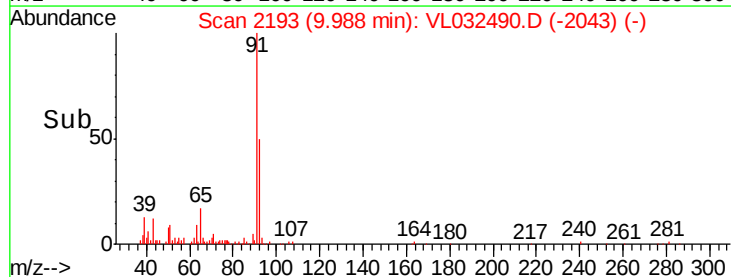
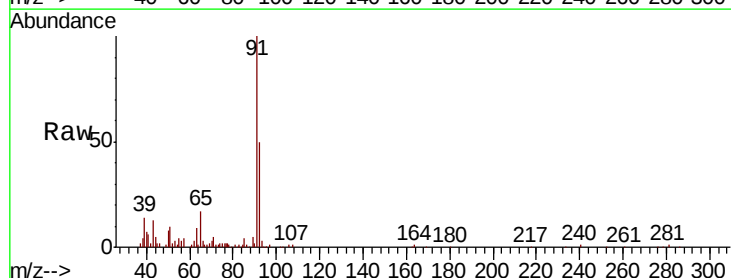
Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

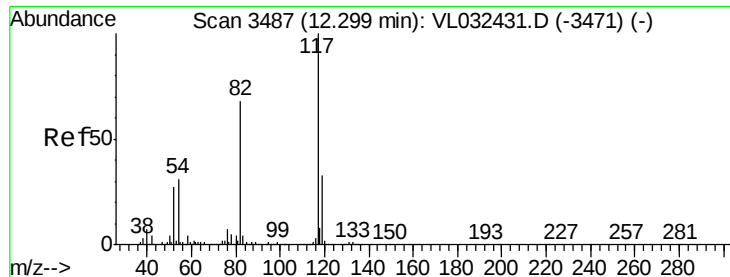
Tgt Ion: 43 Resp: 570197
Ion Ratio Lower Upper
43 100
58 48.6 39.2 58.8
98 1.5 0.4 0.6#



#53
Toluene
Concen: 0.229 ppbv
RT: 9.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

Tgt Ion: 91 Resp: 70996
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1#

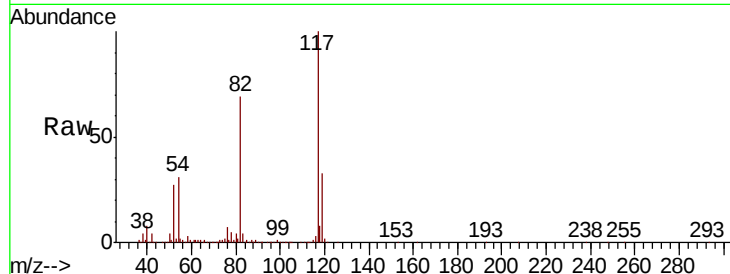




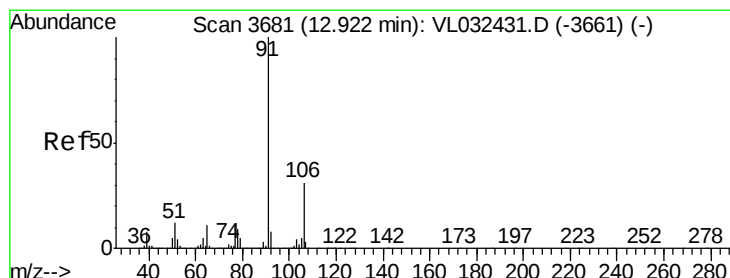
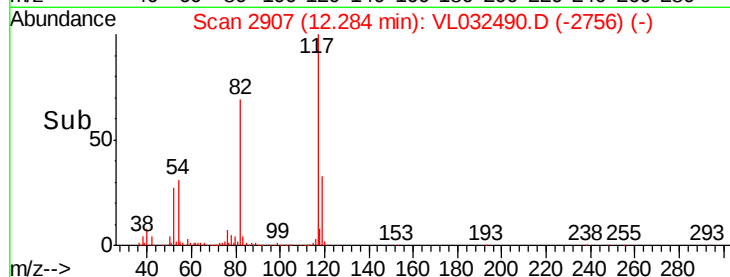
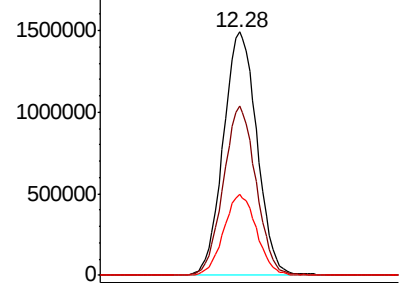
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

Tgt Ion: 117 Resp: 3303228
Ion Ratio Lower Upper
117 100
82 67.9 53.0 79.6
119 32.6 45.9 68.9#

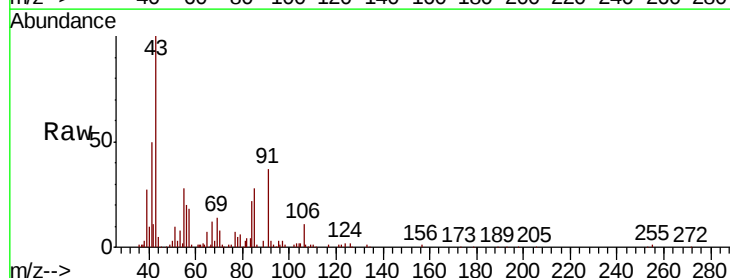


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

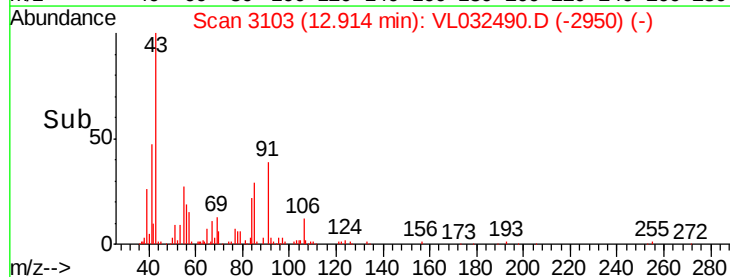
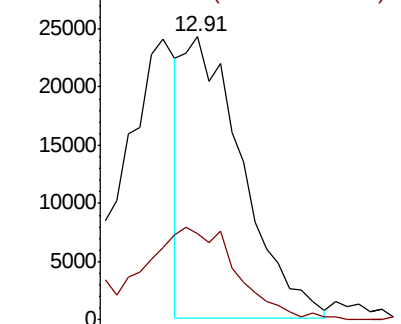


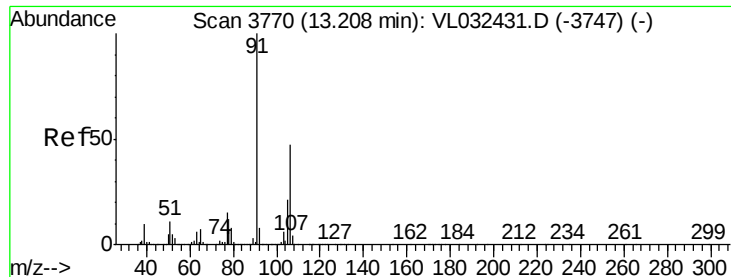
#58
Ethyl Benzene
Concen: 0.071 ppbv
RT: 12.91 min Scan# 3103
Delta R.T. -0.01 min
Lab File: VL032490.D
Acq: 10 Sep 2018 22:43

Tgt Ion: 91 Resp: 27944
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.089 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

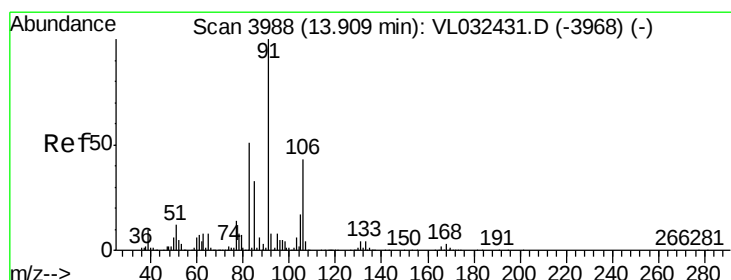
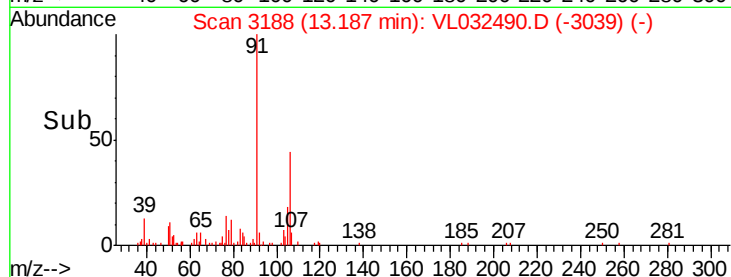
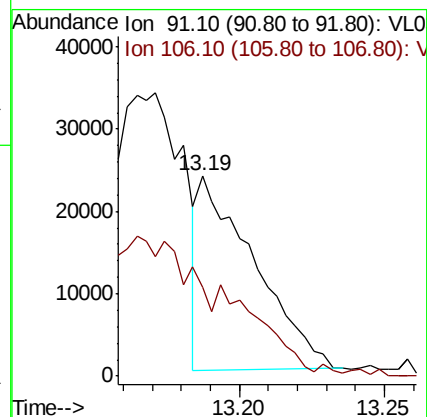
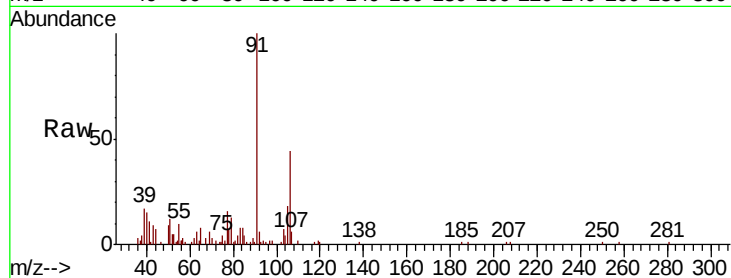
243-BERRY

Tgt Ion: 91 Resp: 31347

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



#60

o-Xylene

Concen: 0.108 ppbv

RT: 13.89 min Scan# 3408

Delta R.T. -0.01 min

Lab File: VL032490.D

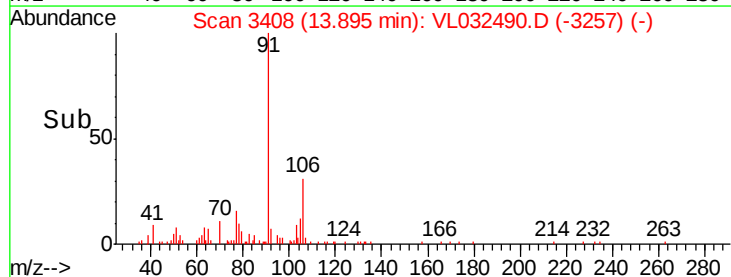
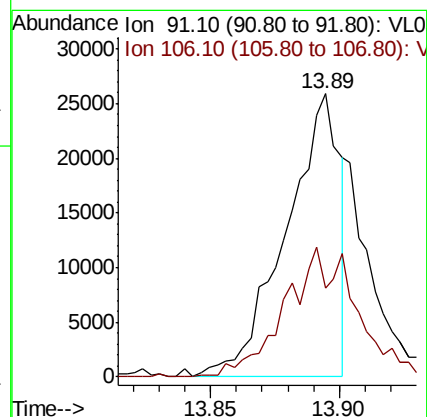
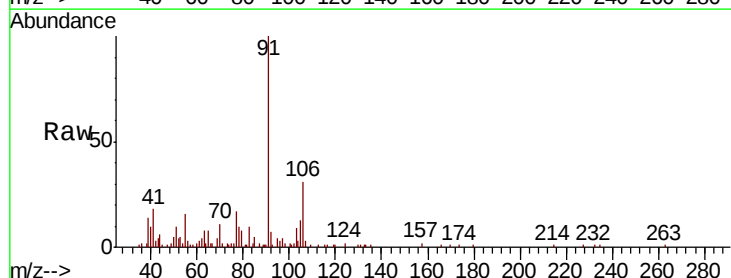
Acq: 10 Sep 2018 22:43

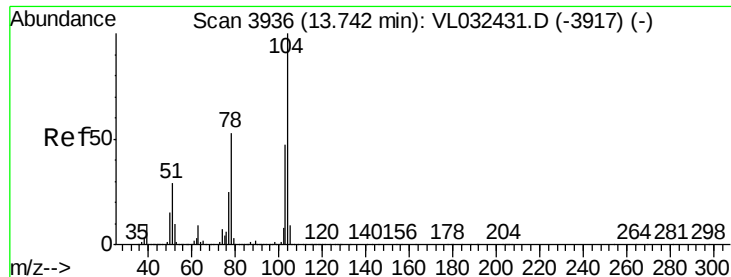
Tgt Ion: 91 Resp: 37476

Ion Ratio Lower Upper

91 100

106 60.7 21.9 65.7





#61

Styrene

Concen: 0.053 ppbv

RT: 13.73 min Scan# 3358

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Instrument :

MSVOA_L

ClientSampleId :

243-BERRY

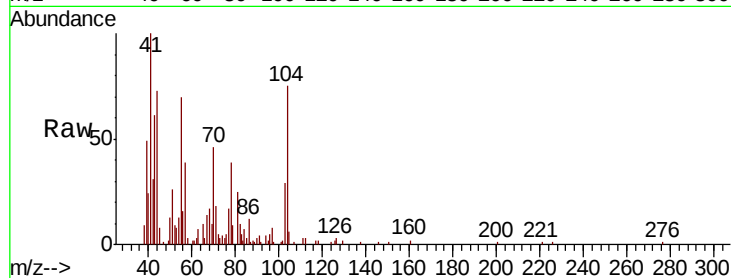
Tgt Ion:104 Resp: 11905

Ion Ratio Lower Upper

104 100

78 115.4 41.8 62.8#

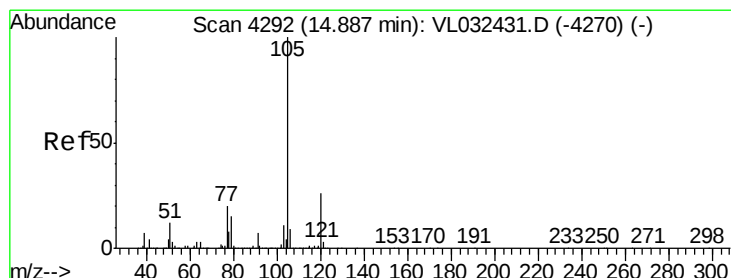
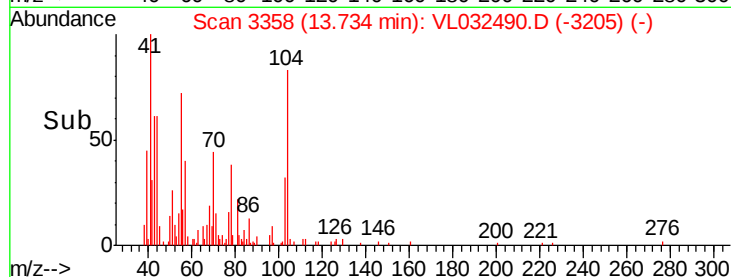
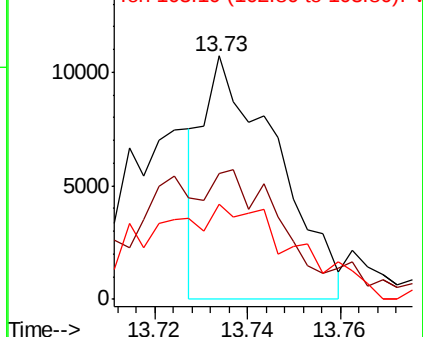
103 87.4 38.0 57.0#



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: 0.032 ppbv

RT: 14.87 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL032490.D

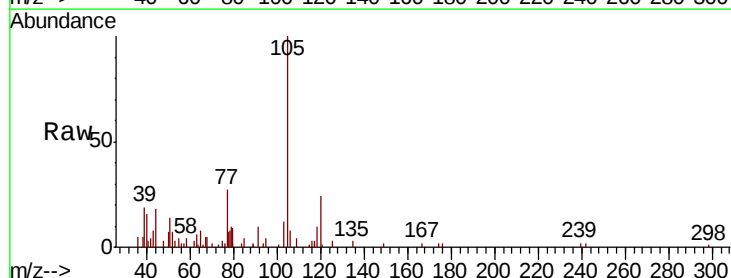
Acq: 10 Sep 2018 22:43

Tgt Ion:105 Resp: 15586

Ion Ratio Lower Upper

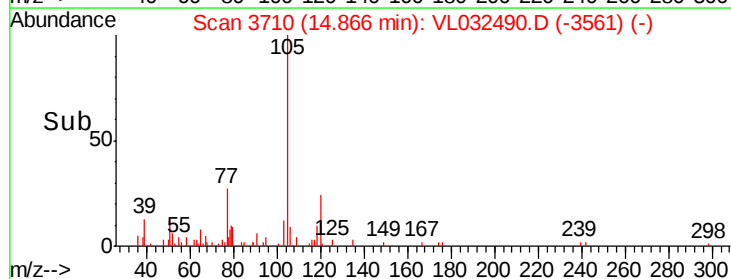
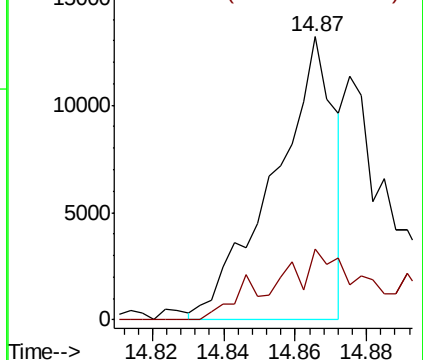
105 100

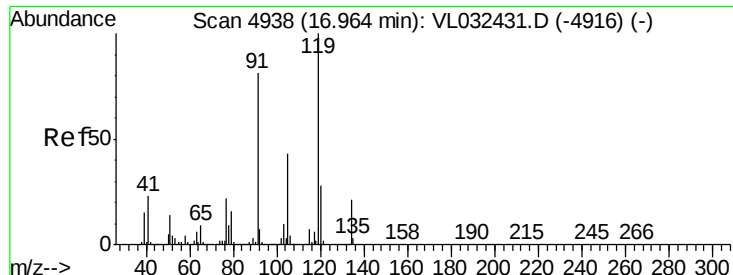
120 43.1 20.6 31.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

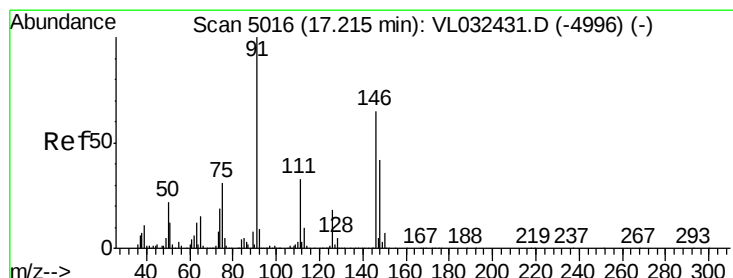
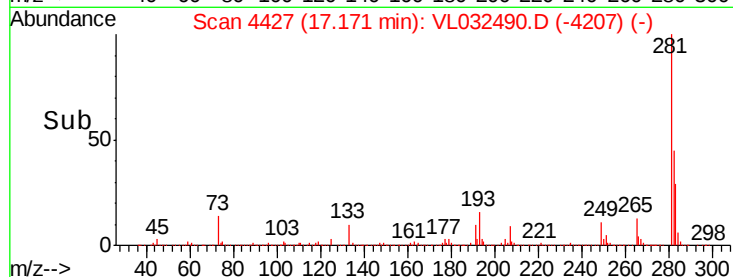
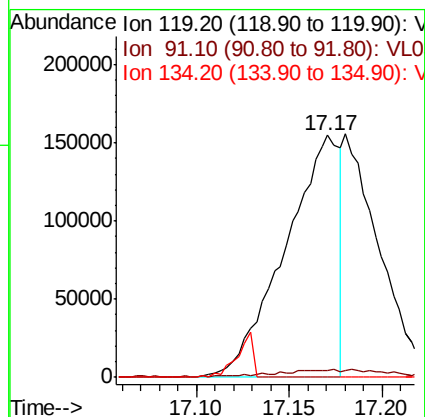
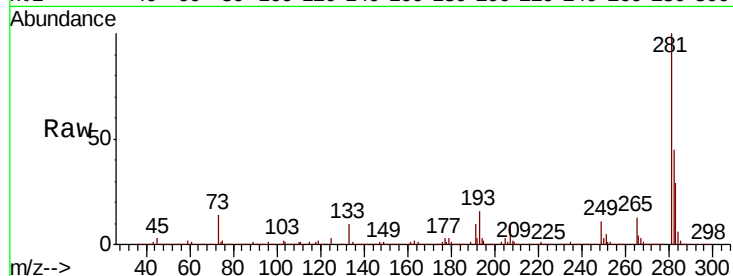




#65
 tert-Butylbenzene
 Concen: 0.759 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.21 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

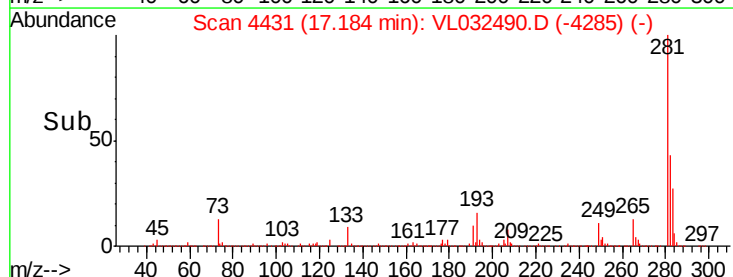
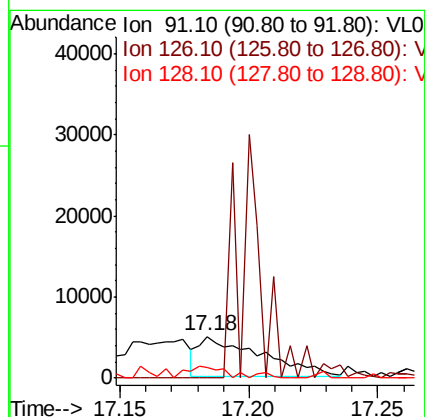
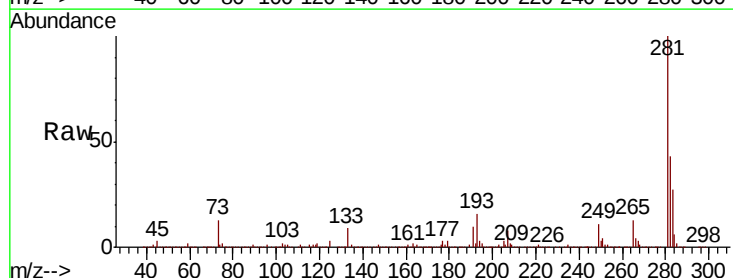
Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

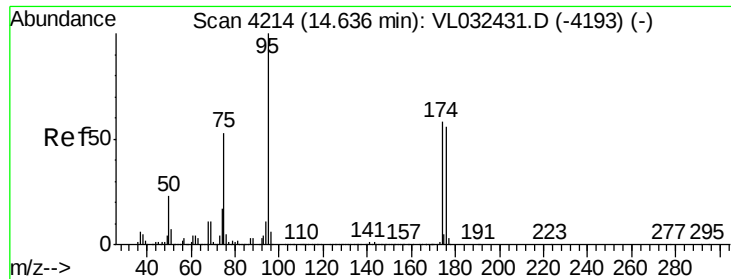
Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.5	99.7#
134	5.4	16.0	24.0#



#66
 Benzyl Chloride
 Concen: 0.036 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. -0.03 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	177.5	13.8	20.8#
128	0.0	4.4	6.6#

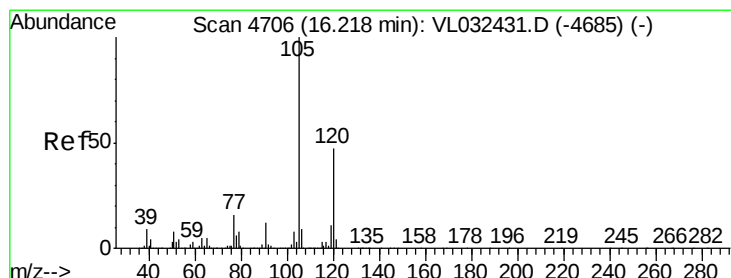
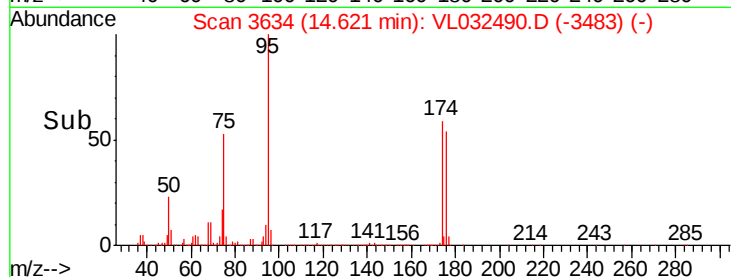
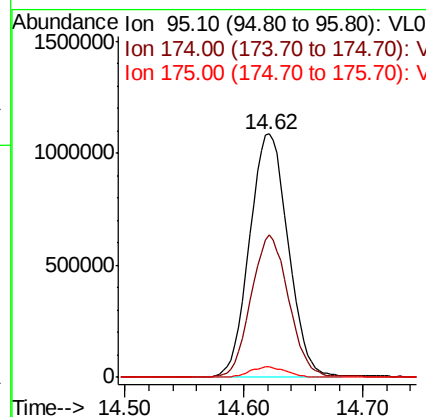
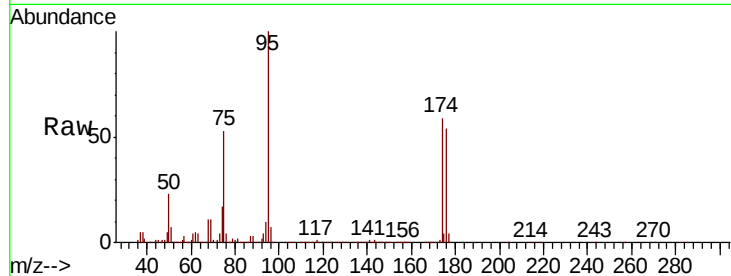




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.950 ppbv
 RT: 14.62 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

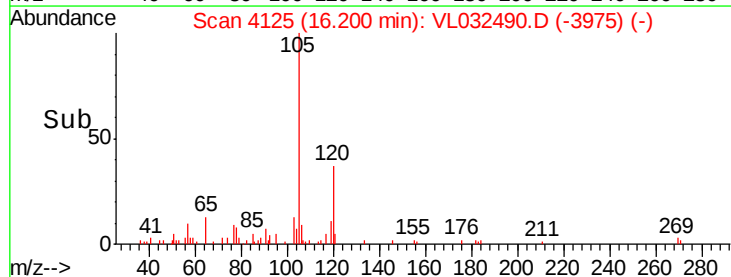
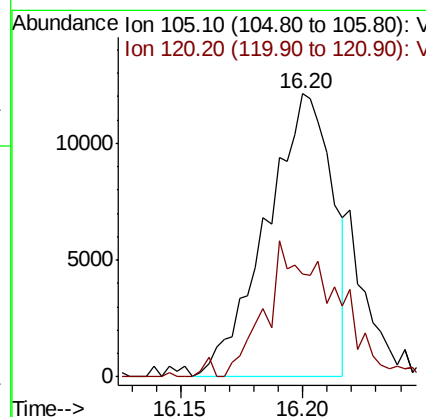
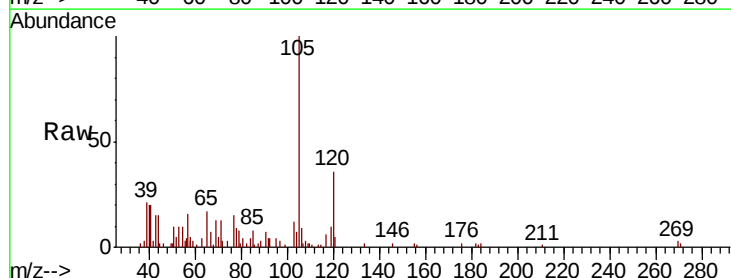
Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

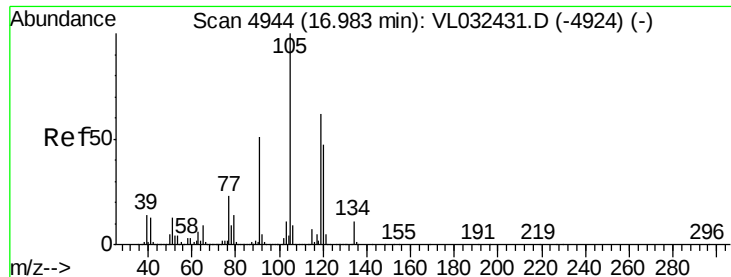
Tgt Ion: 95 Resp: 2440183
 Ion Ratio Lower Upper
 95 100
 174 57.8 46.3 69.5
 175 4.2 3.4 5.0



#73
 1,3,5-Trimethylbenzene
 Concen: 0.060 ppbv
 RT: 16.20 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: VL032490.D
 Acq: 10 Sep 2018 22:43

Tgt Ion: 105 Resp: 22790
 Ion Ratio Lower Upper
 105 100
 120 36.1 37.9 56.9#





#74

1,2,4-Trimethylbenzene

Concen: 0.205 ppbv

RT: 16.97 min Scan# 4363

Delta R.T. -0.02 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

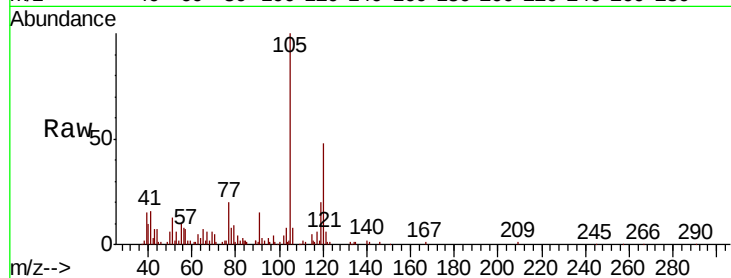
Instrument :

MSVOA_L

ClientSampleId :

243-BERRY

Tgt Ion:	105	Resp:	84792
Ion Ratio	Lower	Upper	
105	100		
120	47.9	37.8	56.8
91	13.5	41.4	62.0#
77	18.5	18.6	28.0#

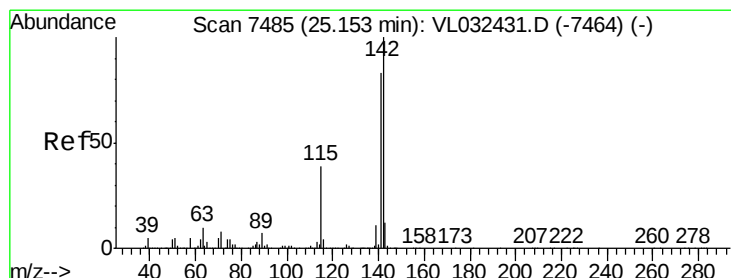
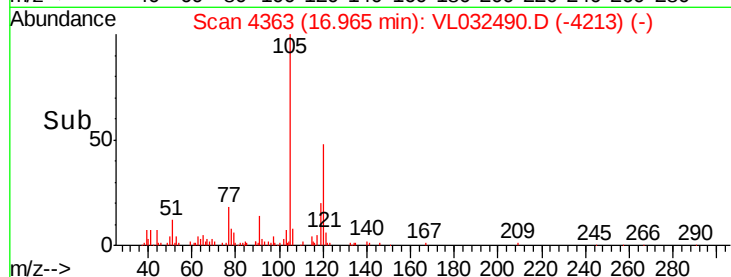
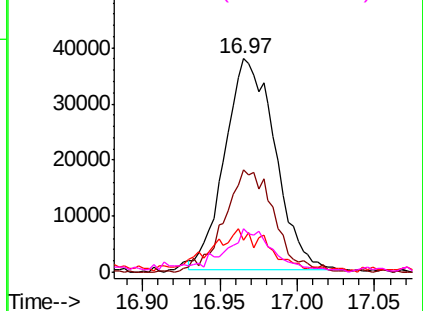


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#80

Naphthalene, 2-methyl-

Concen: 0.068 ppbv

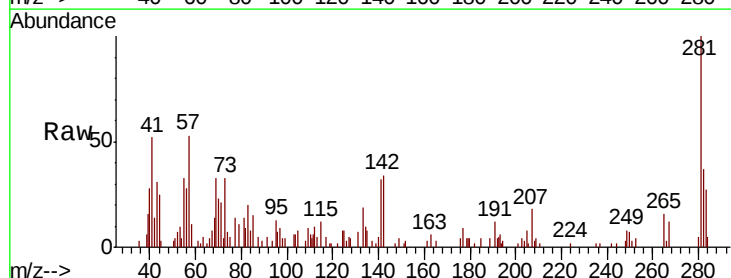
RT: 25.15 min Scan# 6908

Delta R.T. -0.01 min

Lab File: VL032490.D

Acq: 10 Sep 2018 22:43

Tgt Ion:	142	Resp:	6123
Ion Ratio	Lower	Upper	
142	100		
141	95.5	67.0	100.6
115	66.1	31.3	46.9#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

