

Data File : VL032367.D
Acq On : 16 Aug 2018 1:51
Operator : SY/AP
Sample : J4457-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVI

Quant Time: Aug 16 05:50:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1551266	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.39	114	2297078	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.33	117	3745267	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3254576	11.39	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.19	85	172	Below Cal	99
3) Chlorodifluoromethane	3.24	51	88779	0.618 ppbv #	62
4) Chloromethane	3.21	50	138122	1.615 ppbv	95
7) Chloroethane	3.65	64	27919	0.977 ppbv #	76
9) Propene	3.06	41	17692276	287.675 ppbv	89
10) Heptane	8.37	43	29870052	161.254 ppbv #	81
11) Trichlorofluoromethane	4.06	101	35836	0.207 ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.35	101	6132	0.052 ppbv	89
13) Ethanol	3.70	45	1774945	112.370 ppbv	95
15) Acetone	3.83	43	94751	0.643 ppbv #	1
16) 1,3-Butadiene	3.41	39	20966125	344.550 ppbv #	5
17) tert-Butyl alcohol	4.42	59	153336	6.200 ppbv #	74
19) Isopropyl Alcohol	4.09	45	447848	4.512 ppbv #	95
20) Methylene Chloride	4.49	84	335865	6.034 ppbv #	95
21) Allyl Chloride	4.51	41	2179969	23.434 ppbv #	51
23) Vinyl Acetate	5.22	43	16086039	63.205 ppbv #	1
25) Ethyl Acetate	5.89	43	30350065	96.089 ppbv #	77
26) Hexane	5.64	57	207906	1.477 ppbv #	1
27) Carbon Disulfide	4.69	76	4456527	33.909 ppbv	99
29) Chloroform	5.93	83	256000	1.241 ppbv	96
30) Cyclohexane	7.36	84	31463432	293.338 ppbv #	82
31) cis-1,2-Dichloroethene	5.88	61	23766	0.173 ppbv #	27
34) 2-Butanone	5.40	43	17674436	113.053 ppbv #	86
35) Carbon Tetrachloride	7.23	117	12963	0.096 ppbv #	79
36) Benzene	7.10	78	20975647	107.707 ppbv #	79
37) 1,2-Dichloroethane	6.53	62	247059	2.091 ppbv #	86
39) 1,2-Dichloropropane	7.75	63	29959	0.368 ppbv #	1
41) Tetrahydrofuran	6.23	42	215591	2.569 ppbv #	67
42) Bromodichloromethane	8.02	83	2859853	18.486 ppbv #	27
43) Methyl Methacrylate	8.21	69	66812	0.861 ppbv #	1
44) 2,2,4-Trimethylpentane	8.10	57	2301263	6.553 ppbv #	1
47) 1,1,2-Trichloroethane	9.81	97	187266	2.092 ppbv #	49
50) 4-Methyl-2-Pentanone	8.97	43	167562	0.742 ppbv	95
51) 2-Hexanone	10.35	43	6246198	39.395 ppbv #	28
52) Tetrachloroethene	11.47	164	247983	4.318 ppbv	91
57) Chlorobenzene	12.44	112	3914409	13.884 ppbv #	30
58) Ethyl Benzene	12.96	91	17734442	39.357 ppbv #	86
59) m/p-Xylene	13.22	91	26712563	69.786 ppbv	90
60) o-Xylene	13.94	91	10593159	28.156 ppbv	97
61) Styrene	13.77	104	94694	0.360 ppbv #	91
62) Isopropylbenzene	14.91	105	1658760	3.097 ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Quantitation Report (Not Reviewed)

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Quant Time: Aug 16 05:50:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,1,2,2-Tetrachloroethane	14.04	83	1140315	3.604	ppbv #	25
64) n-propylbenzene	15.81	120	553497	3.993	ppbv	95
65) tert-Butylbenzene	17.00	119	463585	1.013	ppbv #	78
66) Benzyl Chloride	17.45	91	554828	2.048	ppbv #	67
67) sec-Butylbenzene	17.54	105	600521	0.883	ppbv	99
69) p-Isopropyltoluene	17.89	119	190263	0.365	ppbv #	55
70) n-Butylbenzene	18.79	91	358119	0.627	ppbv #	38
71) 2-Chlorotoluene	15.80	91	2714078	6.548	ppbv #	49
72) 4-Ethyltoluene	16.08	105	2997556	7.143	ppbv	99
73) 1,3,5-Trimethylbenzene	16.24	105	2291785	5.678	ppbv	98
74) 1,2,4-Trimethylbenzene	17.01	105	3871857	9.016	ppbv #	71
79) Naphthalene	22.49	128	131547	0.644	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	31022	0.362	ppbv	96

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

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Sample      : J4457-03
Misc       : 400ml/MSVOA_L
ALS Vial    : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVI

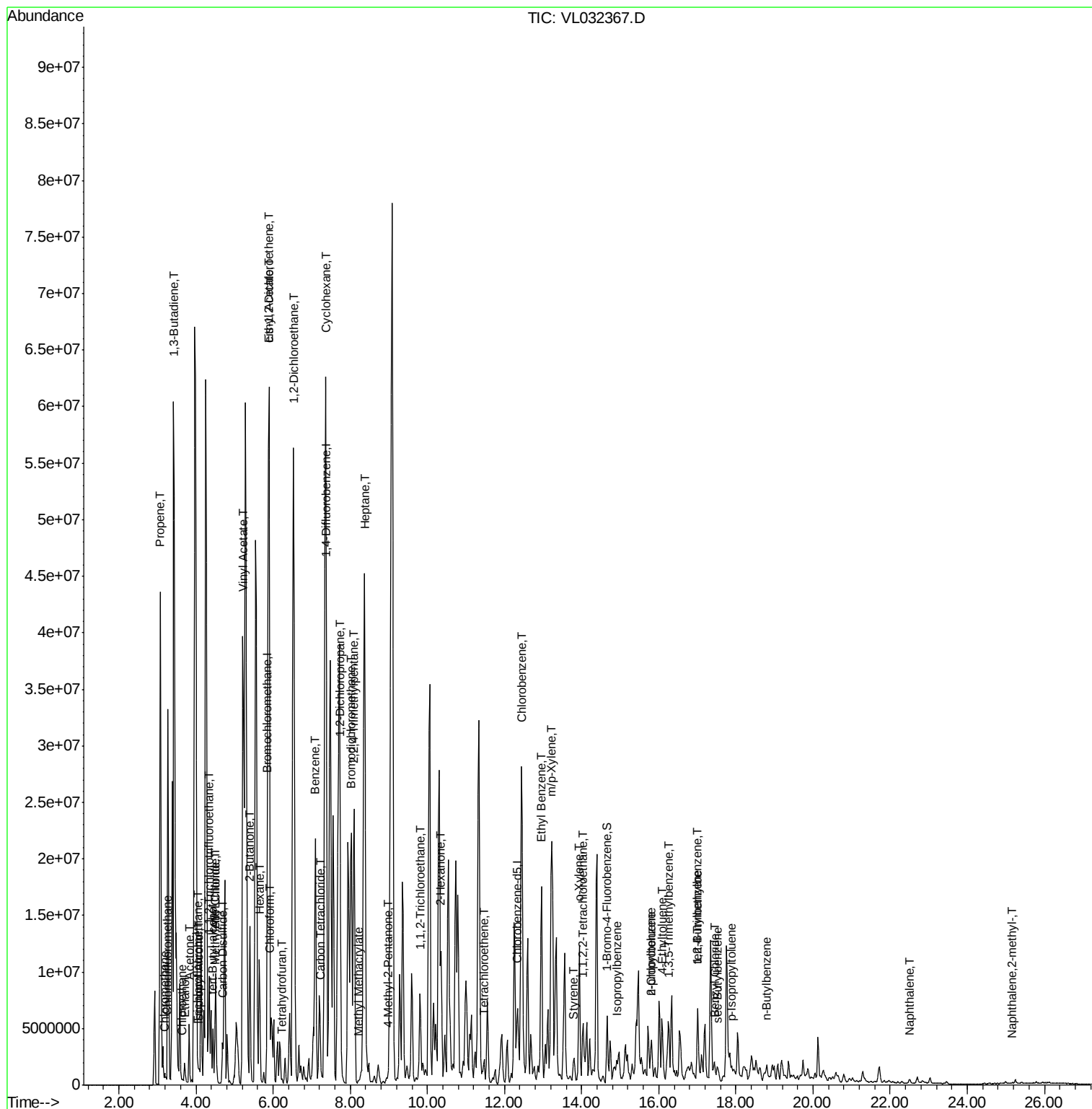
Quant Time: Aug 16 05:50:07 2018

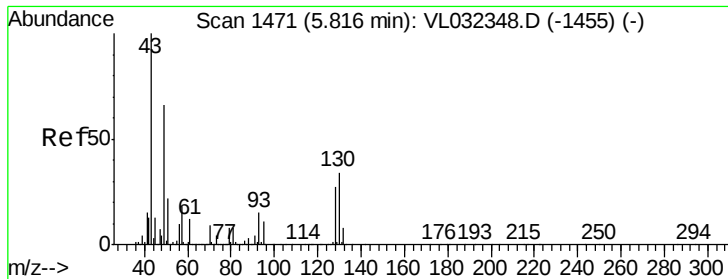
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081518AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

QLast Update : Wed Aug 15 14:58:02 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. 0.02 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

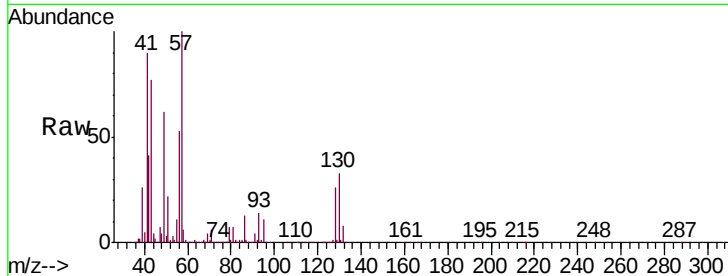
Tgt Ion: 49 Resp: 1551266

Ion Ratio Lower Upper

49 100

128 41.2 20.5 61.6

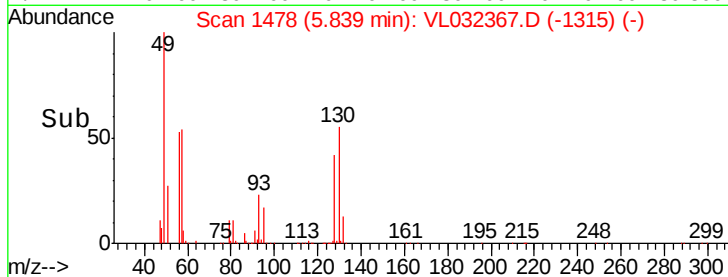
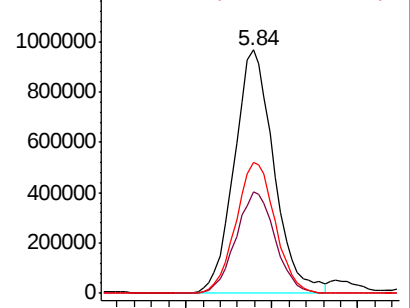
130 53.2 26.2 78.5



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: Below Cal

RT: 3.19 min Scan# 654

Delta R.T. 0.08 min

Lab File: VL032367.D

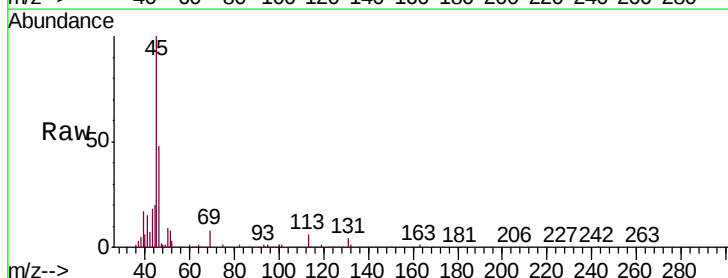
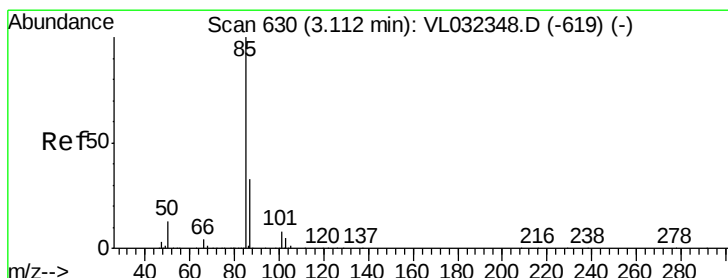
Acq: 16 Aug 2018 1:51

Tgt Ion: 85 Resp: 172

Ion Ratio Lower Upper

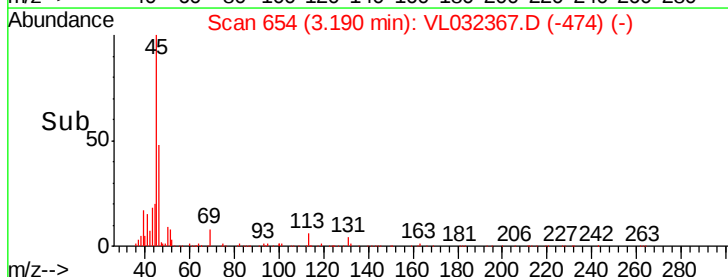
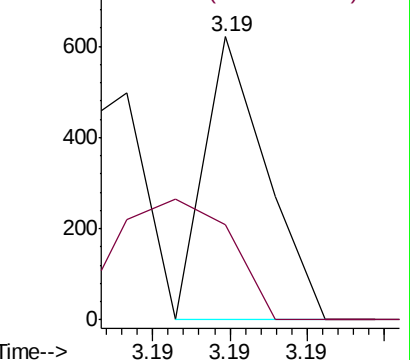
85 100

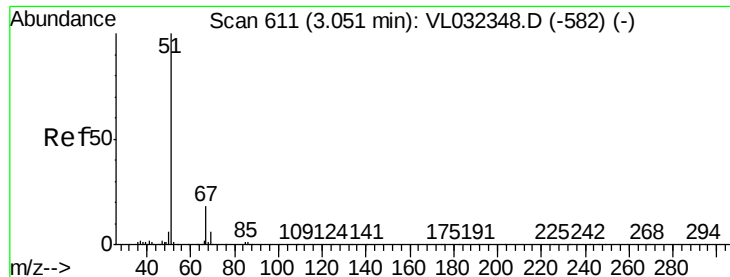
87 33.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

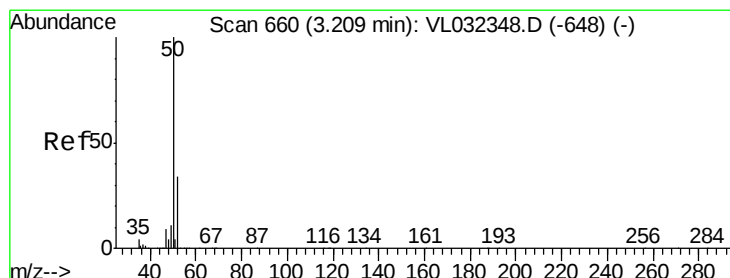
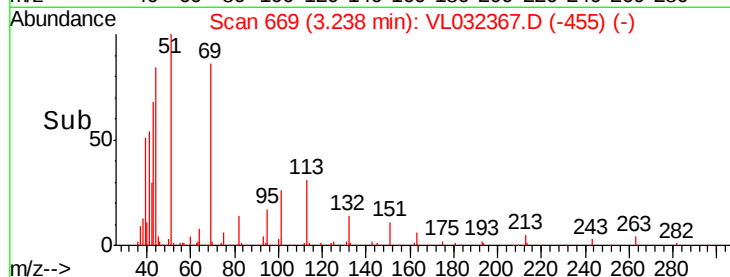
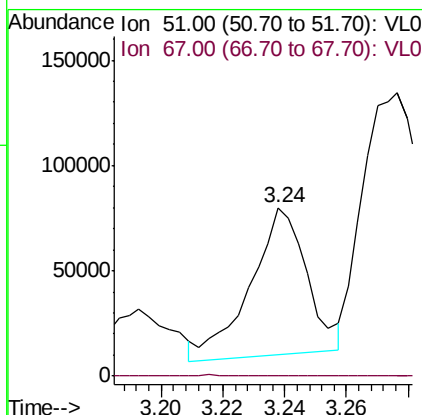
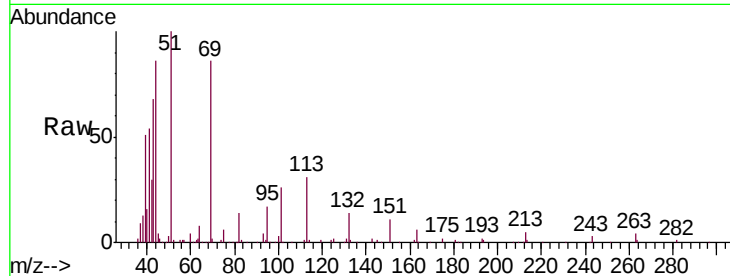




#3
 Chlorodifluoromethane
 Concen: 0.618 ppbv
 RT: 3.24 min Scan# 669
 Delta R.T. 0.19 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

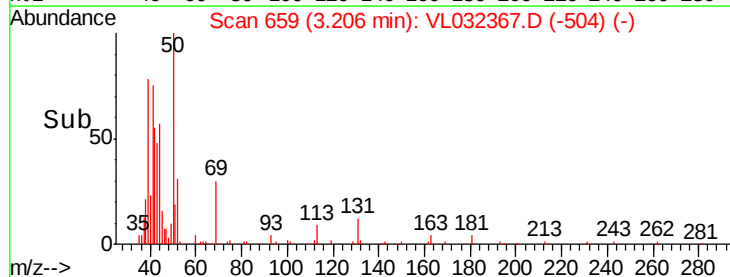
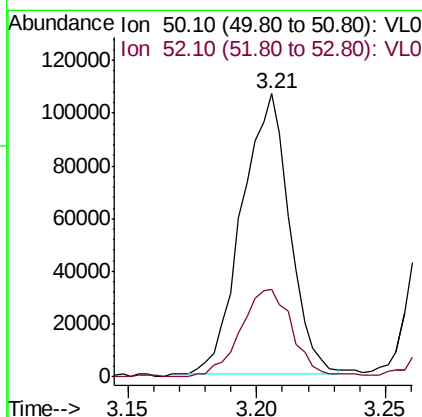
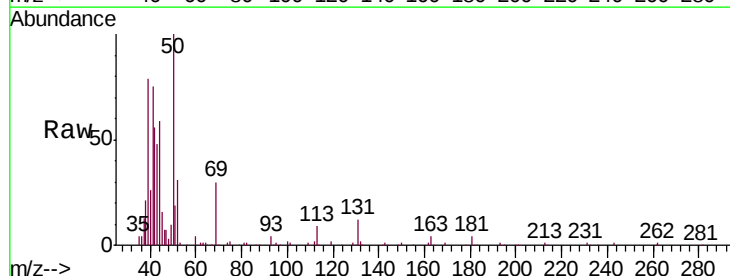
Instrument :
 MSVOA_L
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 SG06-MIVI

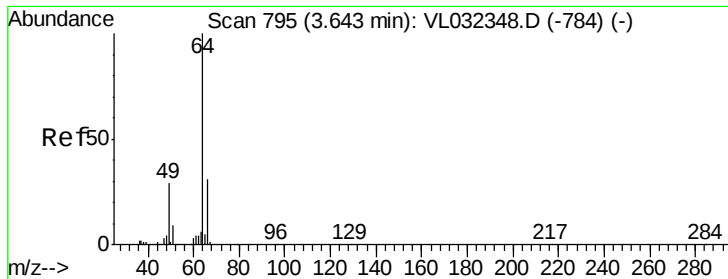
Tgt Ion: 51 Resp: 88779
 Ion Ratio Lower Upper
 51 100
 67 0.4 13.7 20.5#



#4
 Chloromethane
 Concen: 1.615 ppbv
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 50 Resp: 138122
 Ion Ratio Lower Upper
 50 100
 52 30.8 26.8 40.2





#7

Chloroethane

Concen: 0.977 ppbv

RT: 3.65 min Scan# 798

Delta R.T. 0.01 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

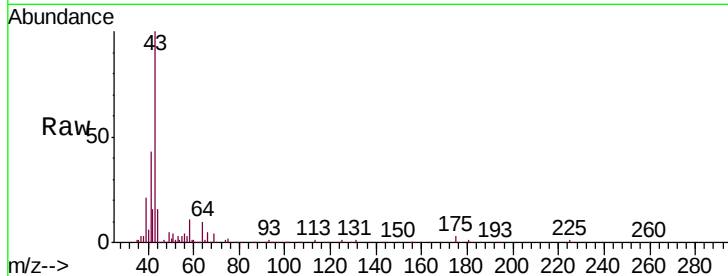
SG06-MIVI

Tgt Ion: 64 Resp: 27919

Ion Ratio Lower Upper

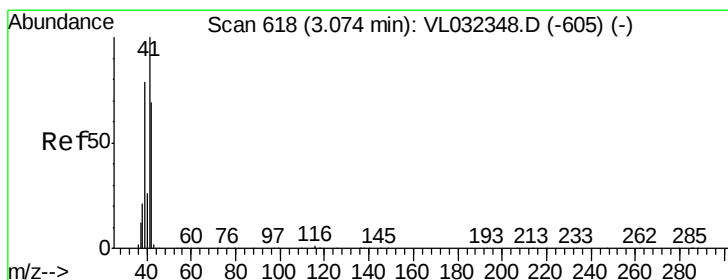
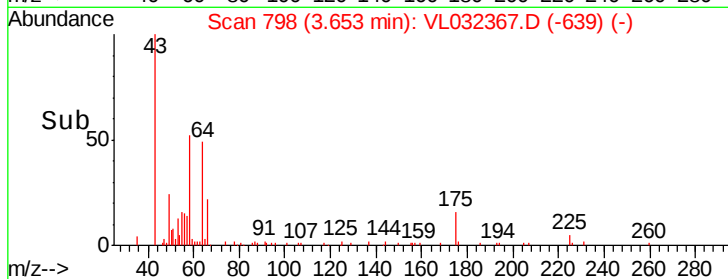
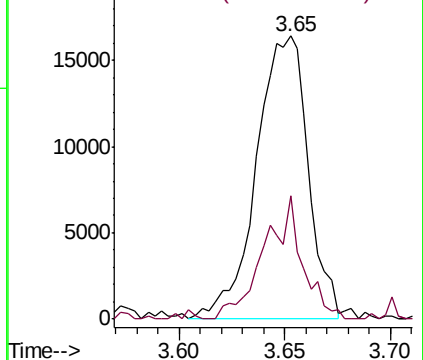
64 100

66 43.8 24.6 36.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 287.675 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.01 min

Lab File: VL032367.D

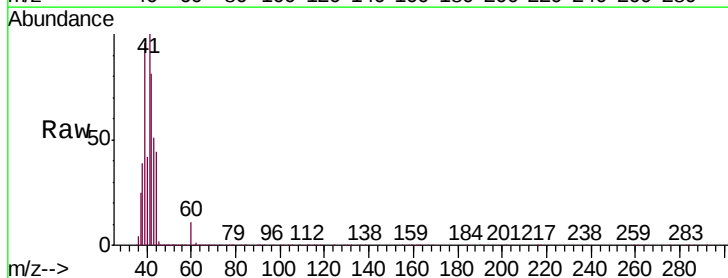
Acq: 16 Aug 2018 1:51

Tgt Ion: 41 Resp: 17692276

Ion Ratio Lower Upper

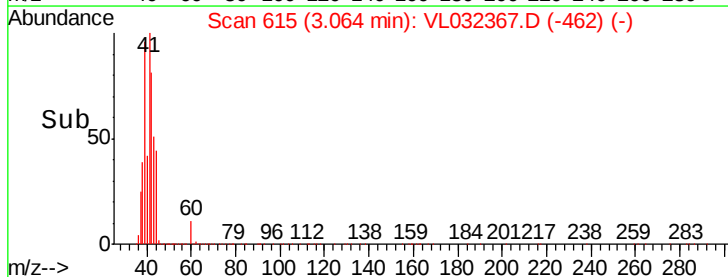
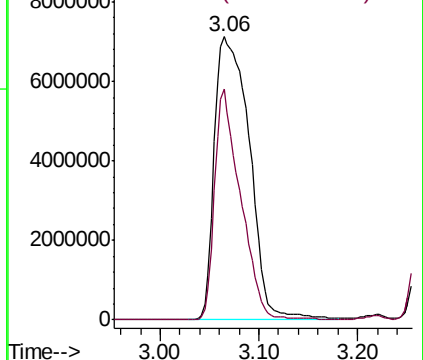
41 100

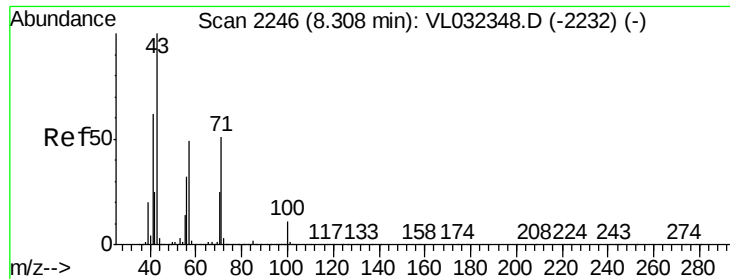
42 60.6 55.9 83.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 161.254 ppbv

RT: 8.37 min Scan# 2264

Delta R.T. 0.06 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

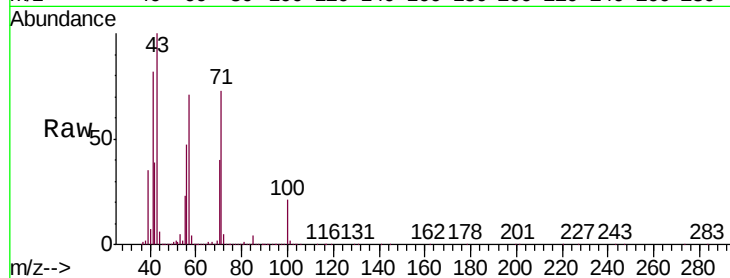
SG06-MIVI

Tgt Ion: 43 Resp:29870052

Ion Ratio Lower Upper

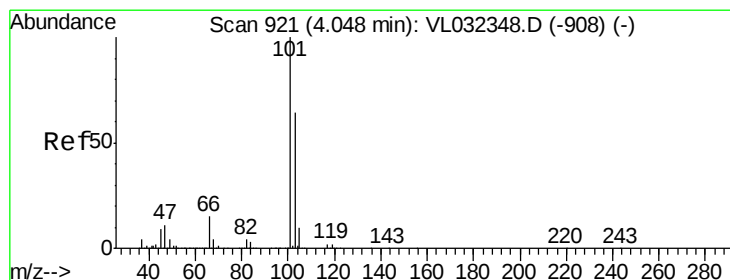
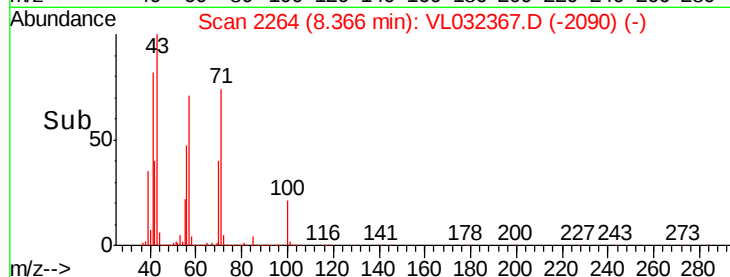
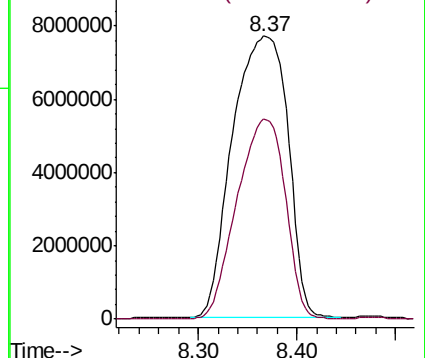
43 100

57 62.2 39.5 59.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.207 ppbv

RT: 4.06 min Scan# 926

Delta R.T. 0.02 min

Lab File: VL032367.D

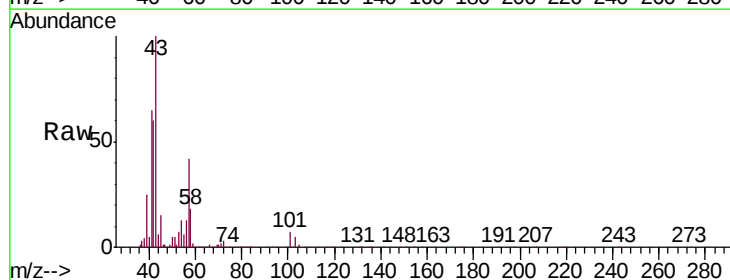
Acq: 16 Aug 2018 1:51

Tgt Ion:101 Resp: 35836

Ion Ratio Lower Upper

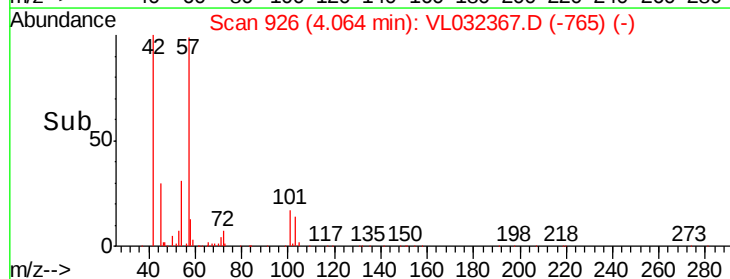
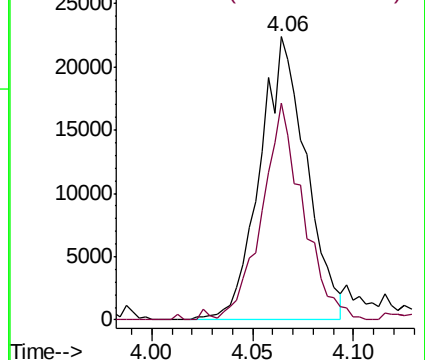
101 100

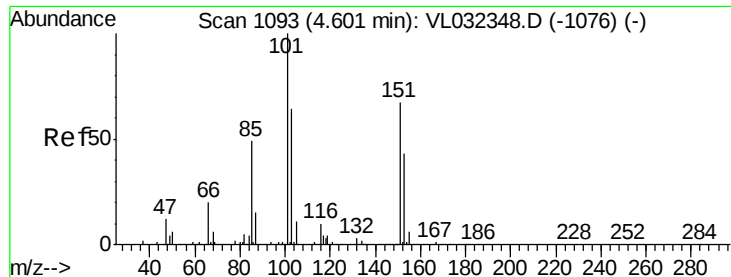
103 76.4 51.4 77.0



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: 0.052 ppbv

RT: 4.35 min Scan# 1016

Delta R.T. -0.25 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

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ClientSampleId :

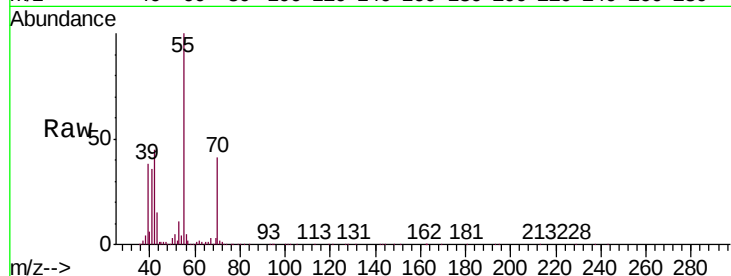
SG06-MIVI

Tgt Ion: 101 Resp: 6132

Ion Ratio Lower Upper

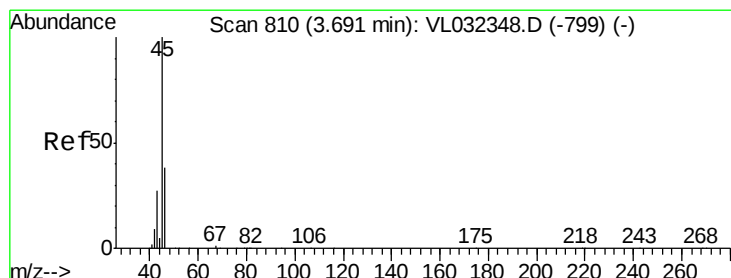
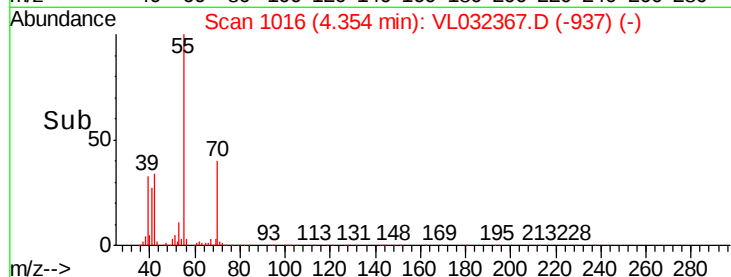
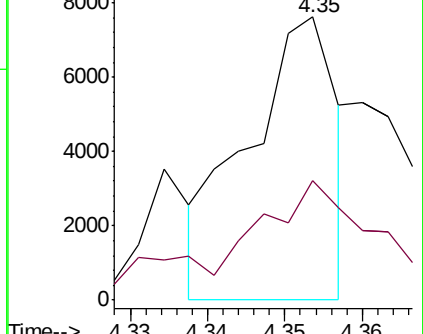
101 100

151 75.4 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 112.370 ppbv

RT: 3.70 min Scan# 814

Delta R.T. 0.01 min

Lab File: VL032367.D

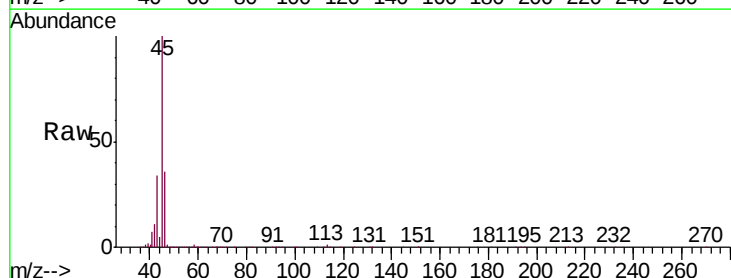
Acq: 16 Aug 2018 1:51

Tgt Ion: 45 Resp: 1774945

Ion Ratio Lower Upper

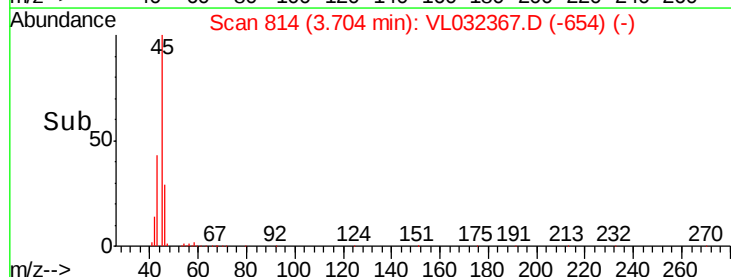
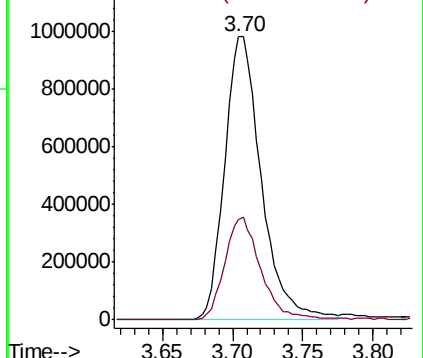
45 100

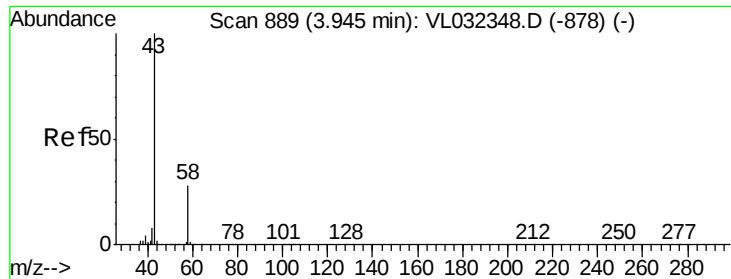
46 36.2 15.6 62.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.643 ppbv

RT: 3.83 min Scan# 852

Delta R.T. -0.12 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

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ClientSampleId :

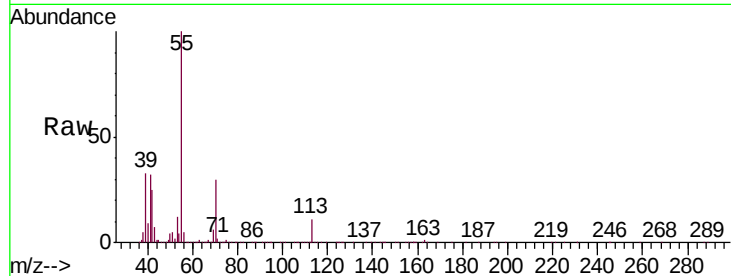
SG06-MIVI

Tgt Ion: 43 Resp: 94751

Ion Ratio Lower Upper

43 100

58 18941.0 22.4 33.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

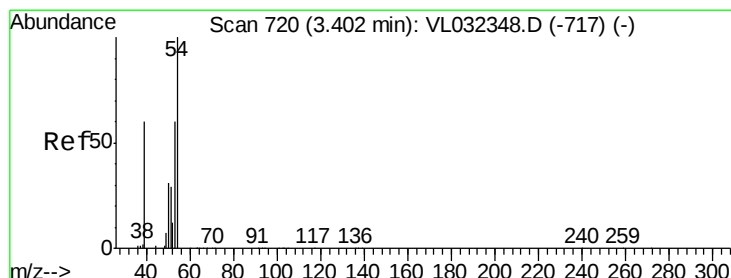
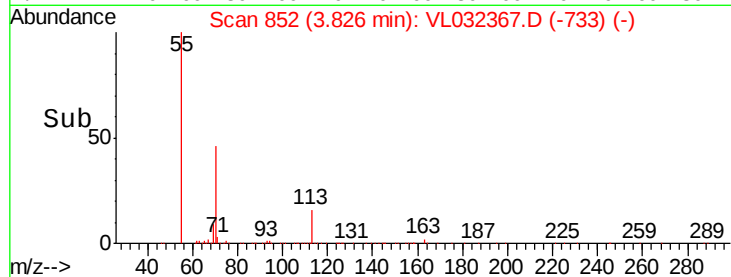
100000

50000

0

Time-->

3.80 3.85



#16

1,3-Butadiene

Concen: 344.550 ppbv

RT: 3.41 min Scan# 724

Delta R.T. 0.01 min

Lab File: VL032367.D

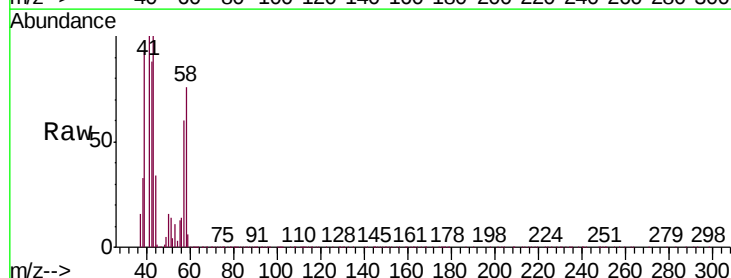
Acq: 16 Aug 2018 1:51

Tgt Ion: 39 Resp: 20966125

Ion Ratio Lower Upper

39 100

54 8.3 85.5 128.3#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.41

8000000

6000000

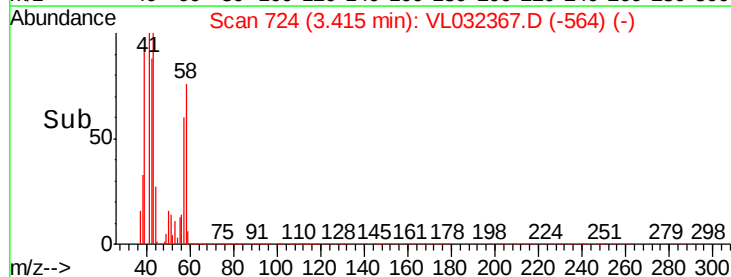
4000000

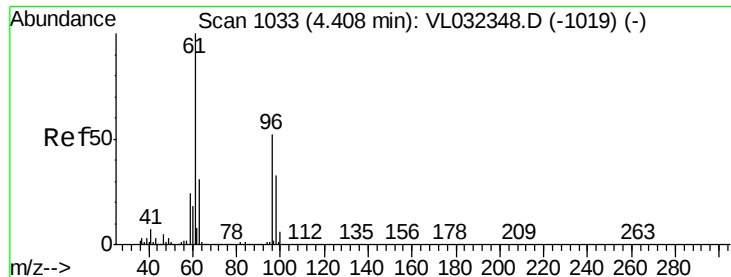
2000000

0

Time-->

3.40 3.45

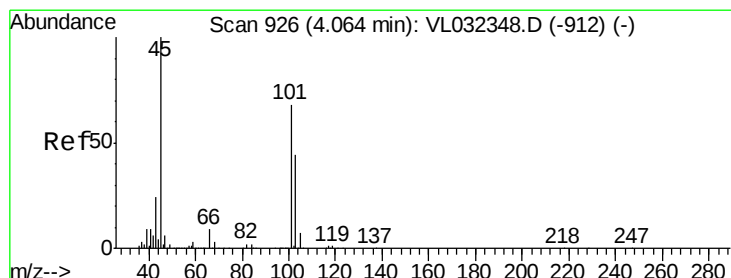
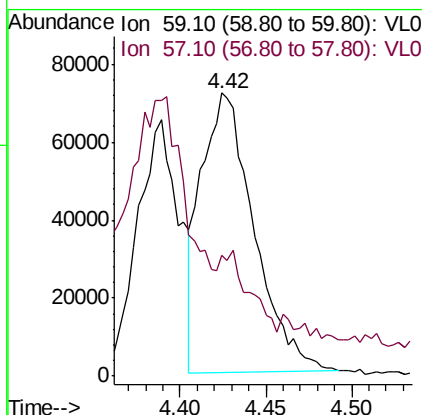
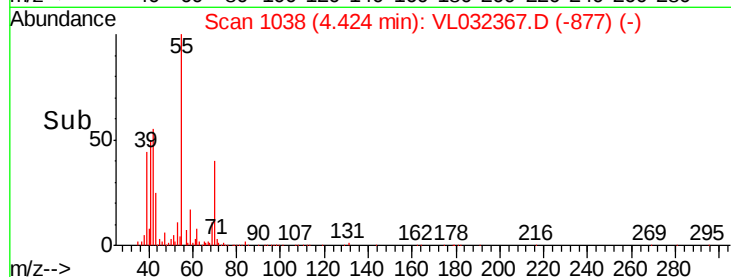
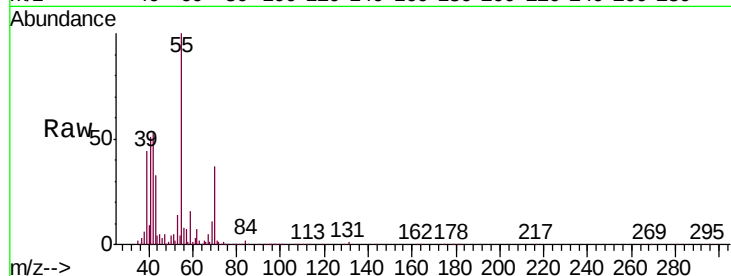




#17
 tert-Butyl alcohol
 Concen: 6.200 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. 0.02 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

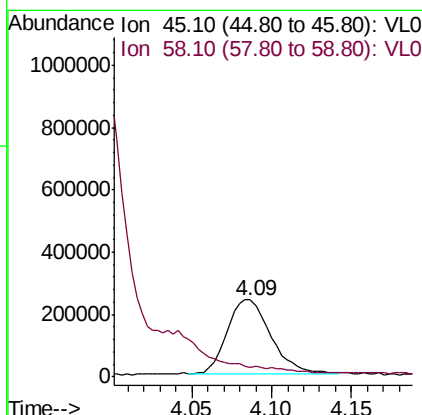
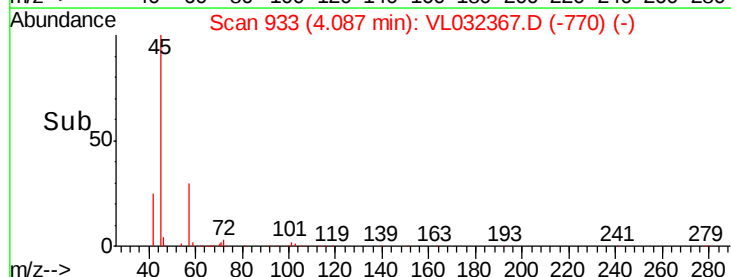
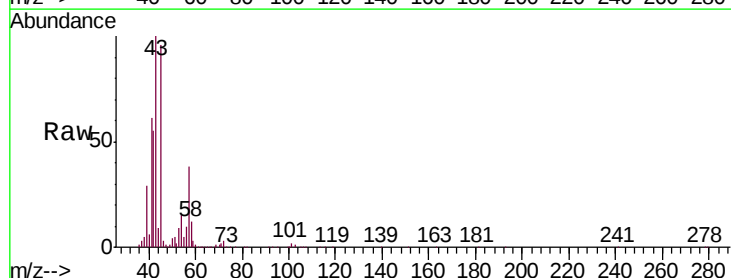
Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVI

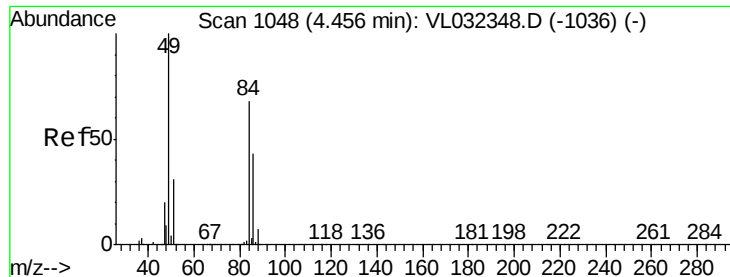
Tgt Ion: 59 Resp: 153336
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#



#19
 Isopropyl Alcohol
 Concen: 4.512 ppbv
 RT: 4.09 min Scan# 933
 Delta R.T. 0.02 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 45 Resp: 447848
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.0#

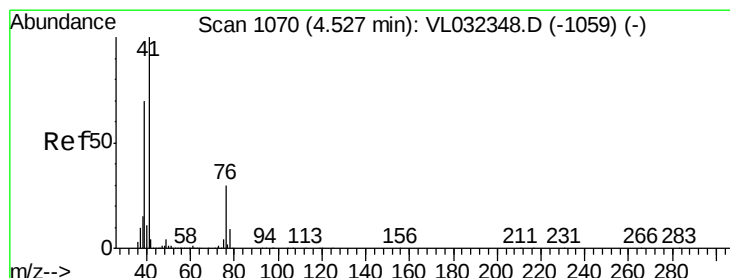
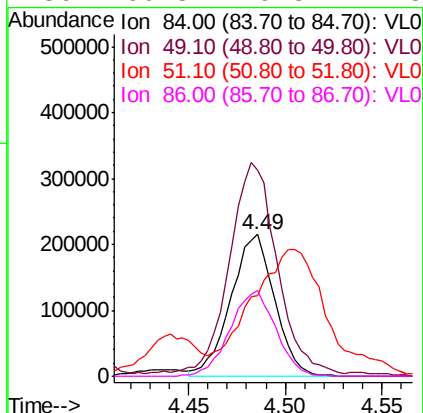
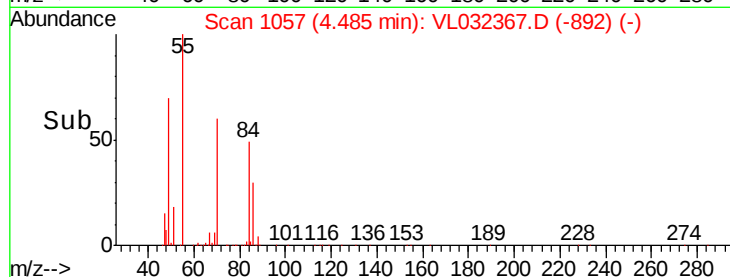
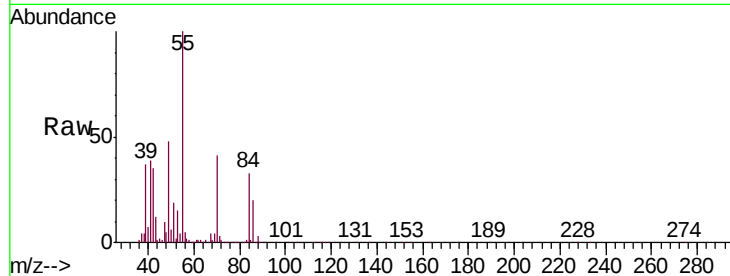




#20
Methylene Chloride
Concen: 6.034 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. 0.03 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

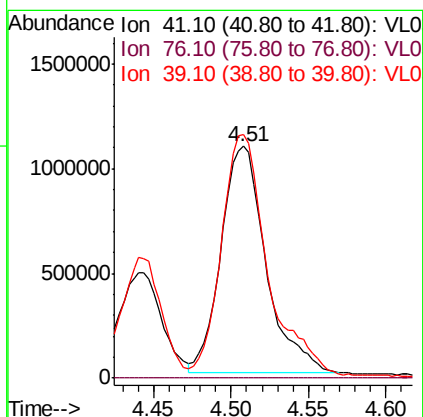
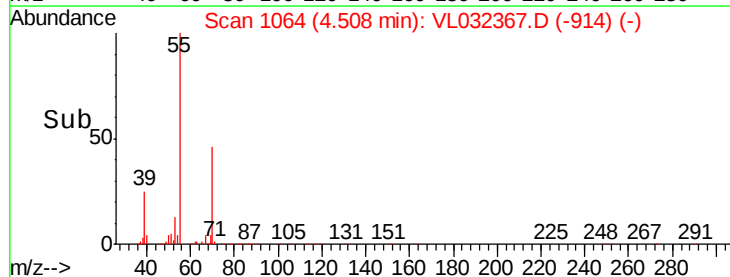
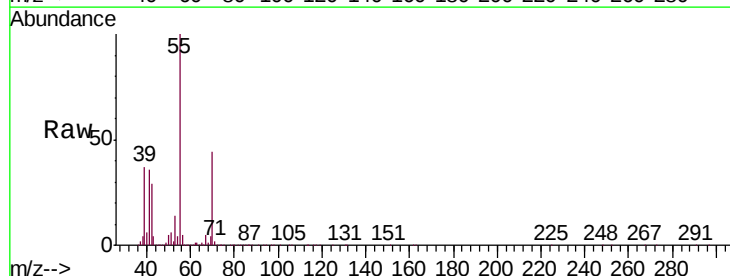
Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVI

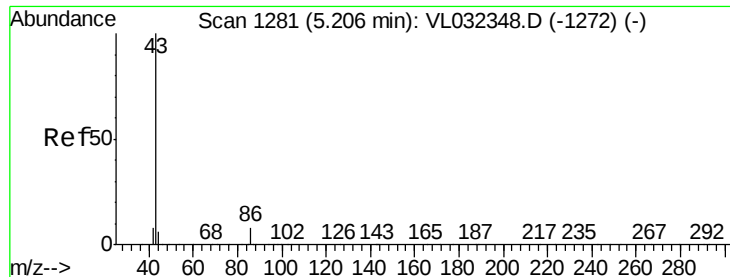
Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.8	117.3	175.9
51	34.3	36.6	55.0#
86	60.8	49.8	74.8



#21
Allyl Chloride
Concen: 23.434 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.02 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

Tgt Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	110.8	57.6	86.4#

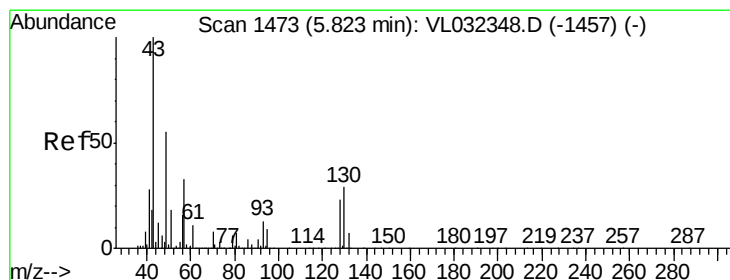
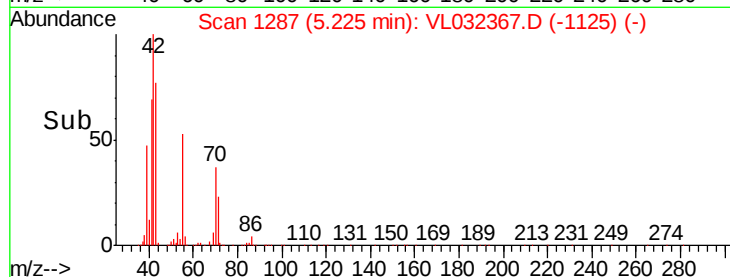
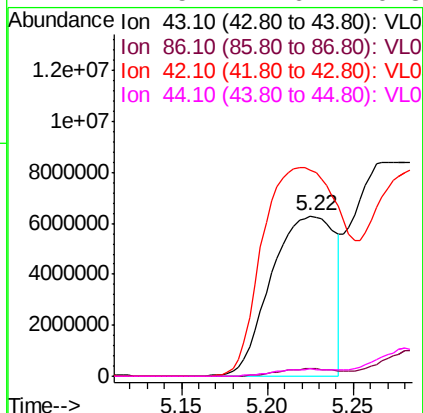
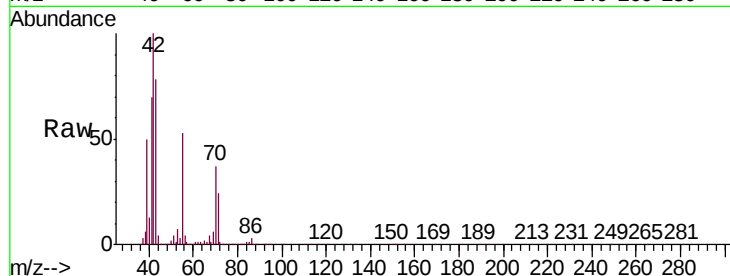




#23
 Vinyl Acetate
 Concen: 63.205 ppbv
 RT: 5.22 min Scan# 1287
 Delta R.T. 0.02 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

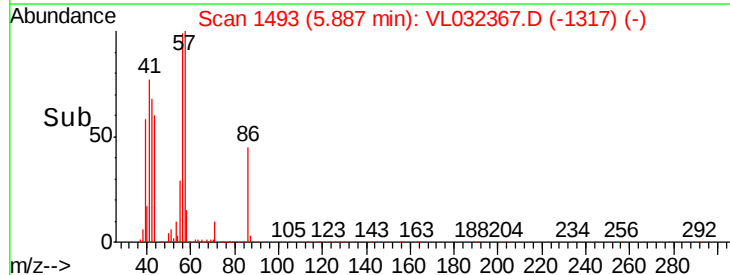
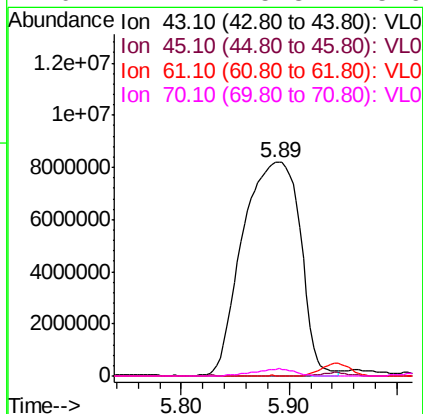
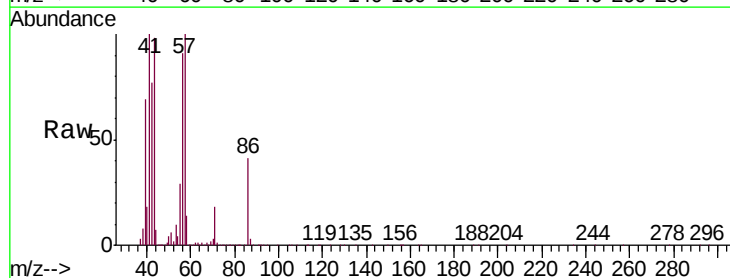
Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVI

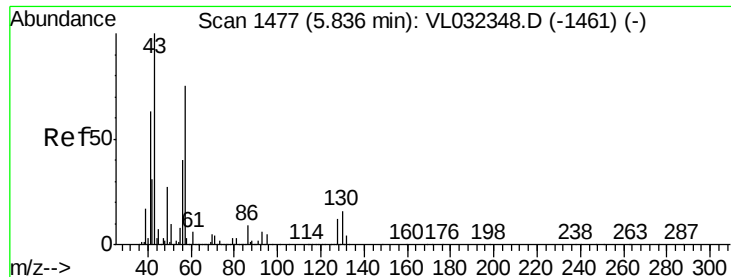
Tgt Ion: 43 Resp:16086039
 Ion Ratio Lower Upper
 43 100
 86 4.5 5.5 8.3#
 42 129.0 7.0 10.6#
 44 4.5 4.6 6.8#



#25
 Ethyl Acetate
 Concen: 96.089 ppbv
 RT: 5.89 min Scan# 1493
 Delta R.T. 0.06 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 43 Resp:30350065
 Ion Ratio Lower Upper
 43 100
 45 0.1 7.9 11.9#
 61 0.2 7.4 11.2#
 70 2.4 5.8 8.6#





#26

Hexane

Concen: 1.477 ppbv

RT: 5.64 min Scan# 1417

Delta R.T. -0.19 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

Tgt Ion: 57 Resp: 207906

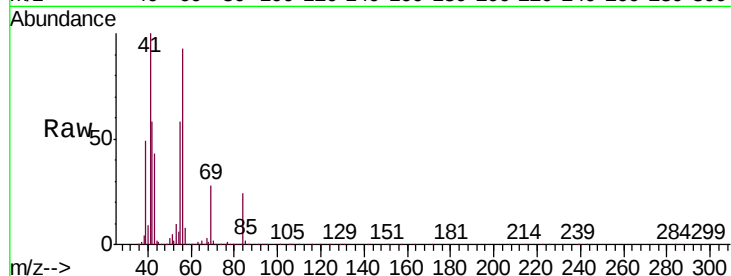
Ion Ratio Lower Upper

57 100

41 2517.5 68.0 102.0#

43 998.3 175.3 262.9#

56 2535.8 42.0 63.0#

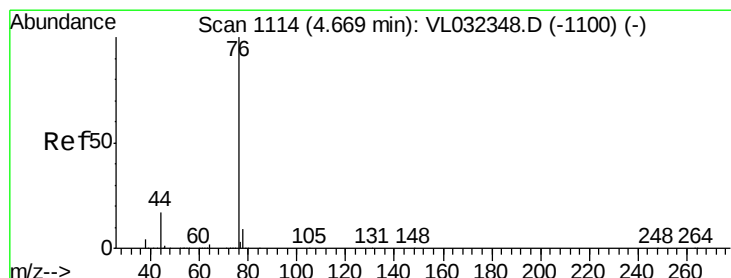
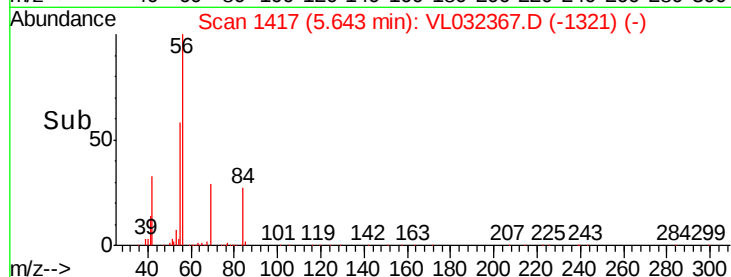
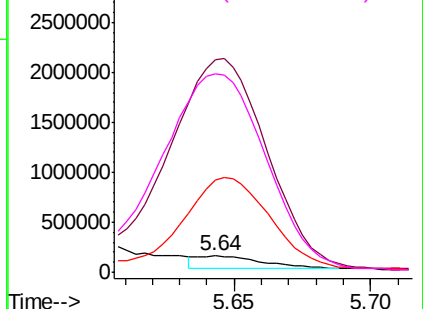


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 33.909 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.02 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

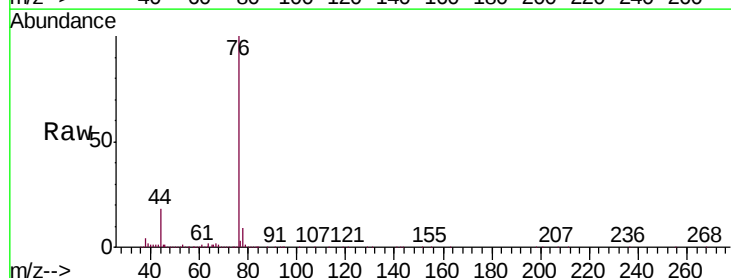
Tgt Ion: 76 Resp: 4456527

Ion Ratio Lower Upper

76 100

44 18.8 14.4 21.6

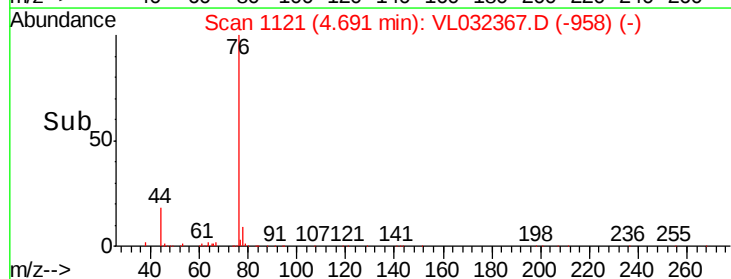
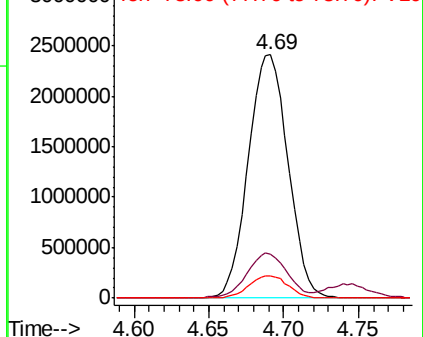
78 9.3 7.4 11.0

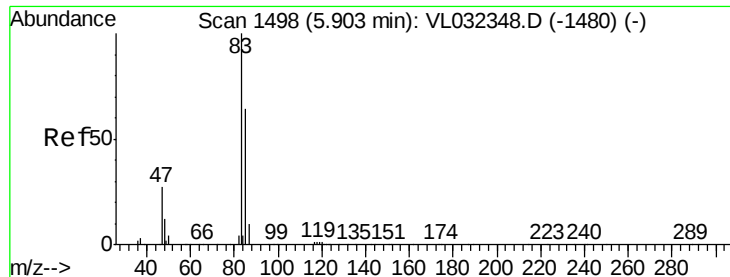


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 1.241 ppbv

RT: 5.93 min Scan# 1507

Delta R.T. 0.03 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

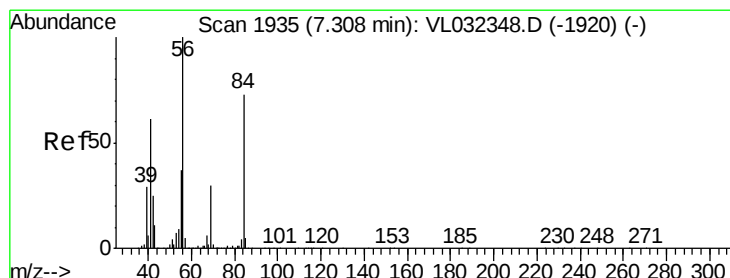
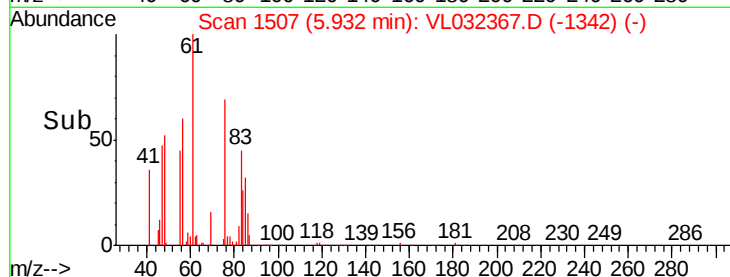
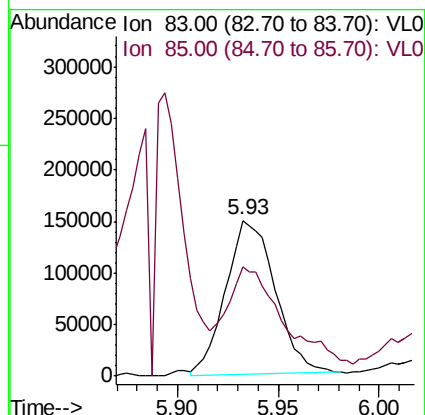
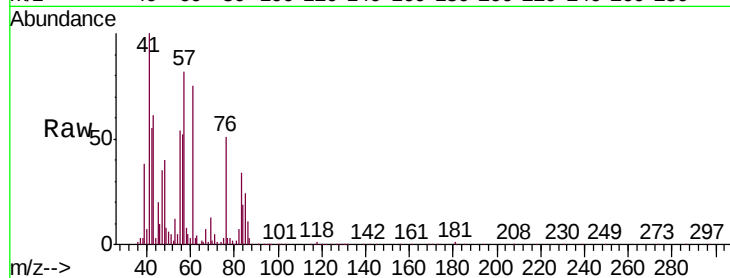
SG06-MIVI

Tgt Ion: 83 Resp: 256000

Ion Ratio Lower Upper

83 100

85 61.6 51.6 77.4



#30

Cyclohexane

Concen: 293.338 ppbv

RT: 7.36 min Scan# 1952

Delta R.T. 0.05 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

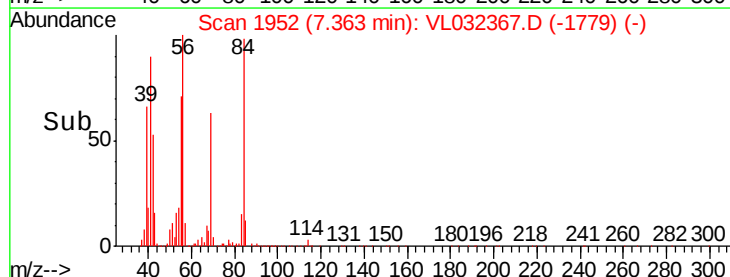
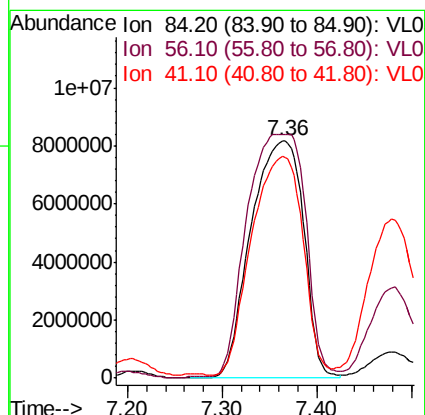
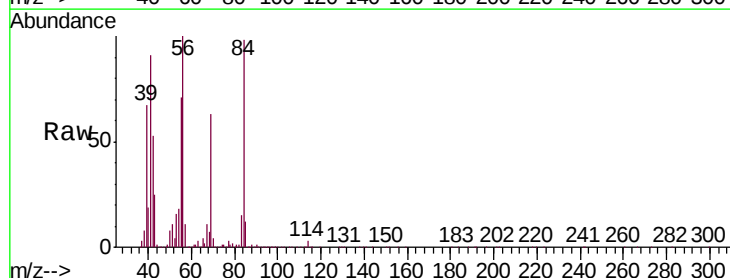
Tgt Ion: 84 Resp: 31463432

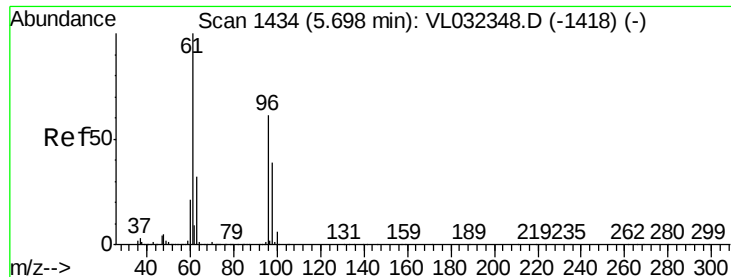
Ion Ratio Lower Upper

84 100

56 114.2 115.7 173.5#

41 91.4 67.9 101.9

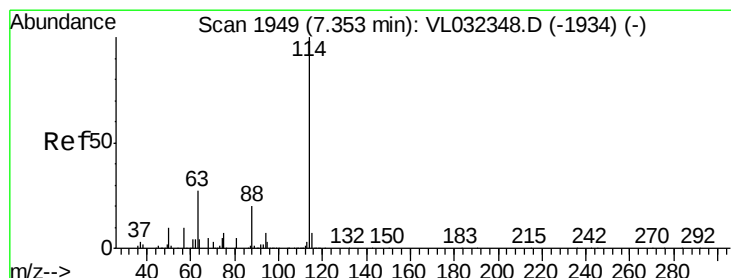
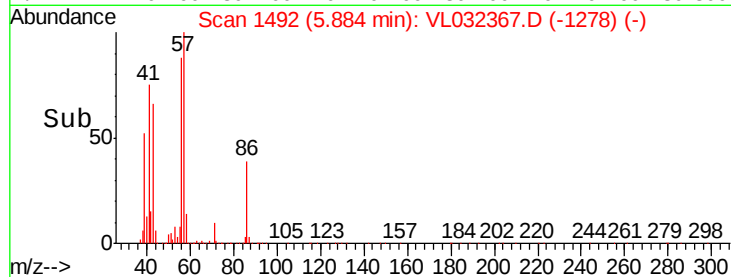
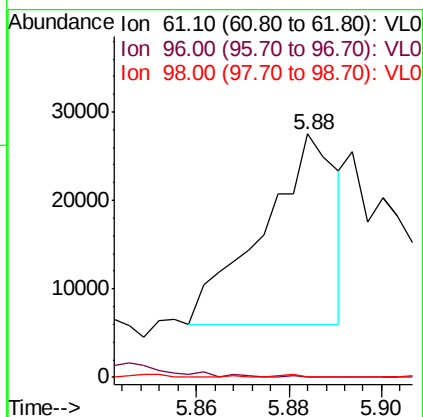
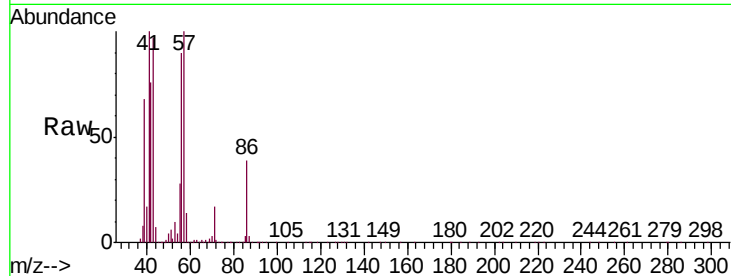




#31
 cis-1,2-Dichloroethene
 Concen: 0.173 ppbv
 RT: 5.88 min Scan# 1492
 Delta R.T. 0.19 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

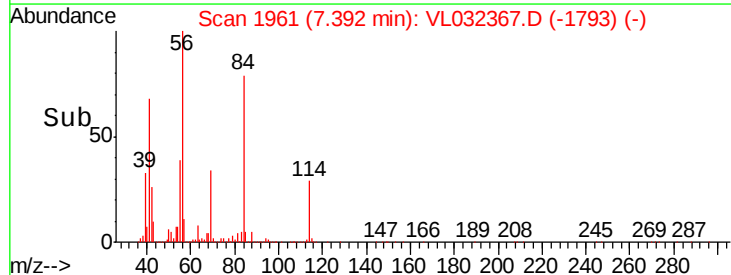
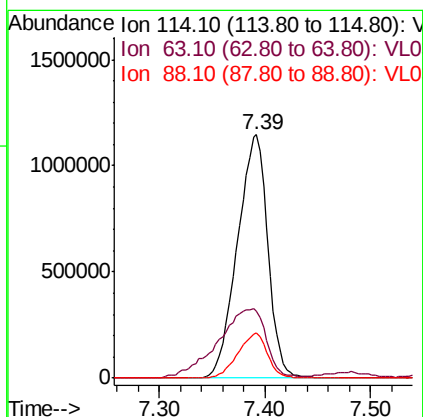
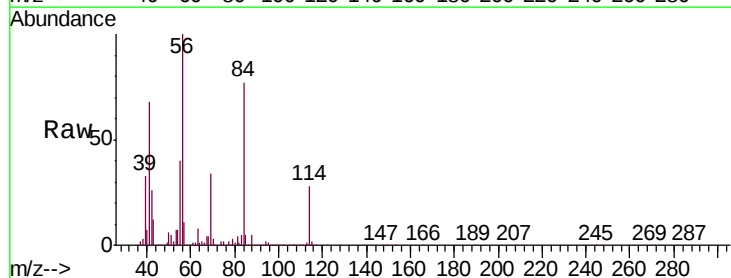
Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVI

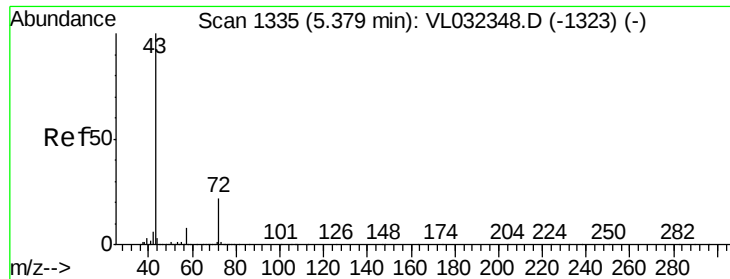
Tgt Ion: 61 Resp: 23766
 Ion Ratio Lower Upper
 61 100
 96 0.0 48.5 72.7#
 98 0.0 31.0 46.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.39 min Scan# 1961
 Delta R.T. 0.04 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 114 Resp: 2297078
 Ion Ratio Lower Upper
 114 100
 63 45.2 22.0 33.0#
 88 18.0 15.3 22.9

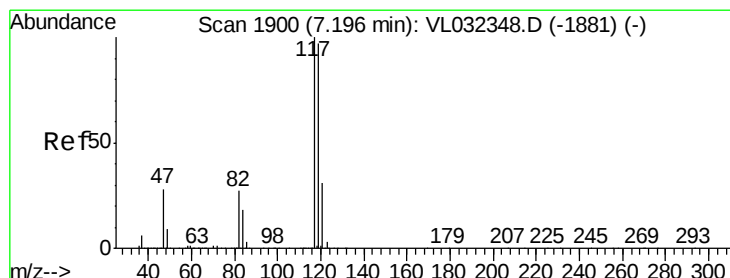
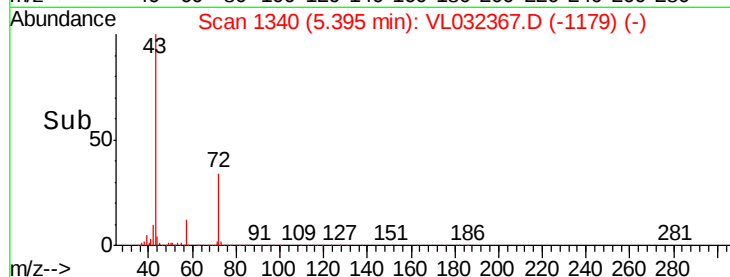
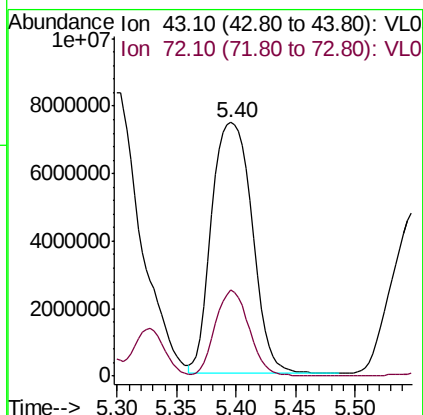
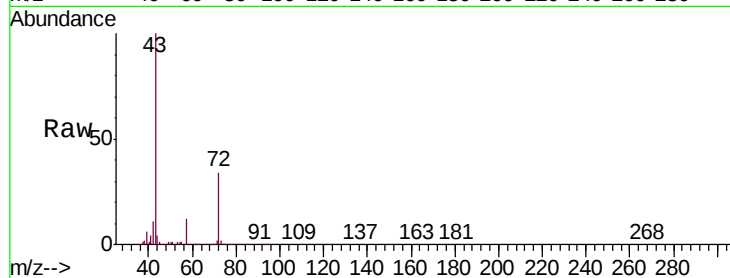




#34
2-Butanone
Concen: 113.053 ppbv
RT: 5.40 min Scan# 1340
Delta R.T. 0.02 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

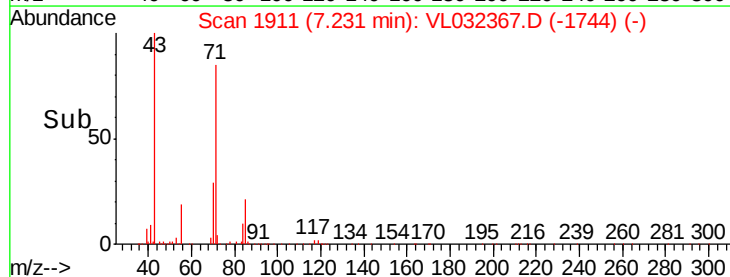
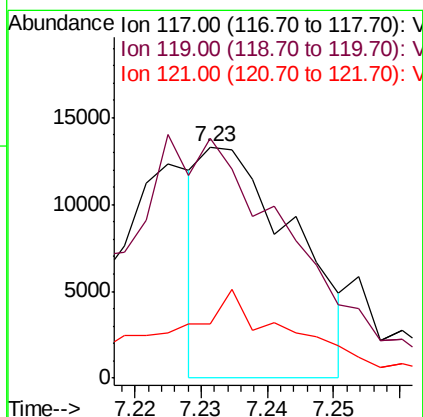
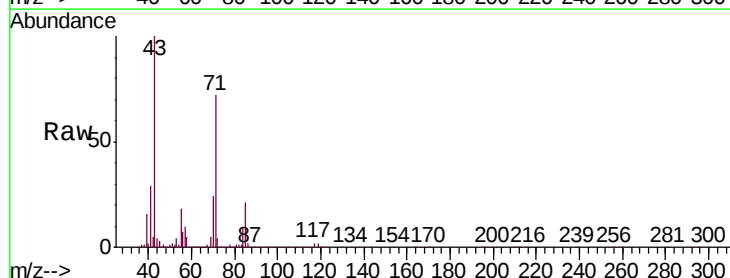
Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVI

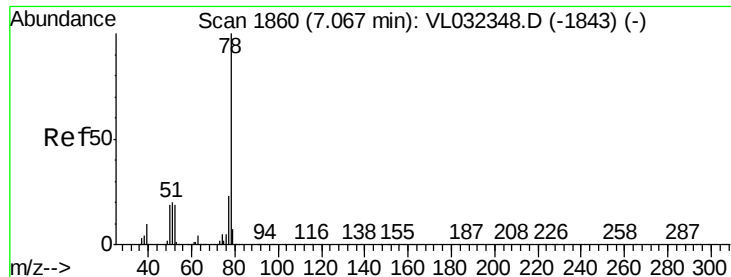
Tgt Ion: 43 Resp:17674436
Ion Ratio Lower Upper
43 100
72 29.1 17.9 26.9#



#35
Carbon Tetrachloride
Concen: 0.096 ppbv
RT: 7.23 min Scan# 1911
Delta R.T. 0.04 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

Tgt Ion:117 Resp: 12963
Ion Ratio Lower Upper
117 100
119 114.0 77.2 115.8
121 15.5 25.1 37.7#





#36

Benzene

Concen: 107.707 ppbv

RT: 7.10 min Scan# 1869

Delta R.T. 0.03 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

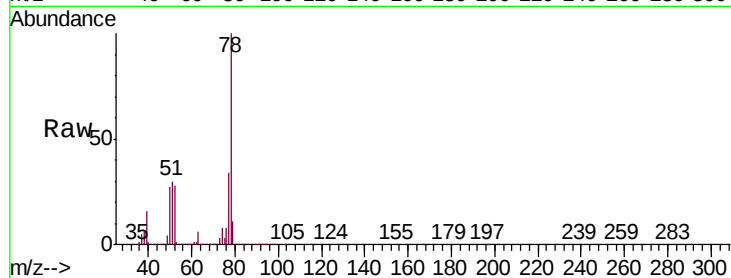
Tgt Ion: 78 Resp:20975647

Ion Ratio Lower Upper

78 100

77 33.5 18.0 27.0#

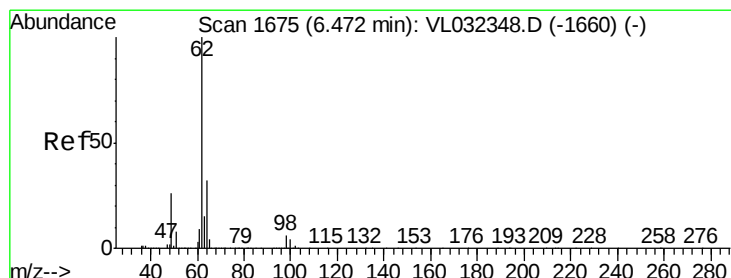
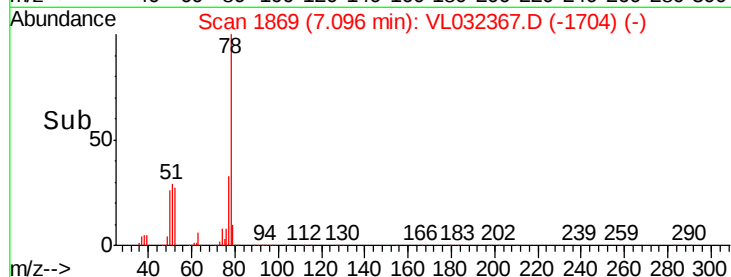
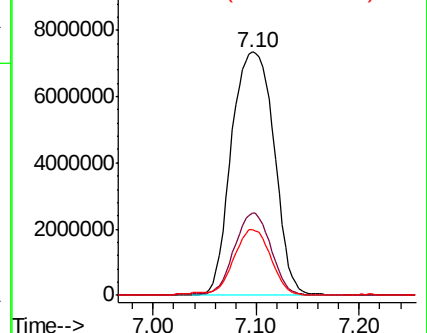
50 26.8 15.1 22.7#



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



#37

1,2-Dichloroethane

Concen: 2.091 ppbv

RT: 6.53 min Scan# 1692

Delta R.T. 0.05 min

Lab File: VL032367.D

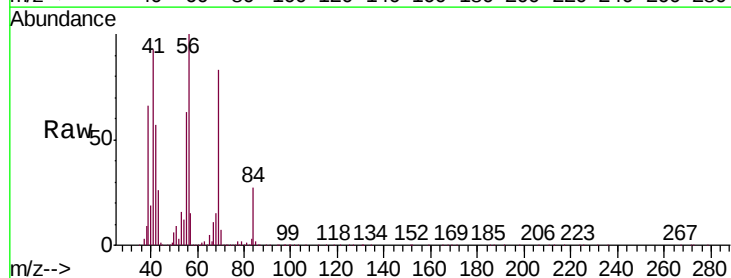
Acq: 16 Aug 2018 1:51

Tgt Ion: 62 Resp: 247059

Ion Ratio Lower Upper

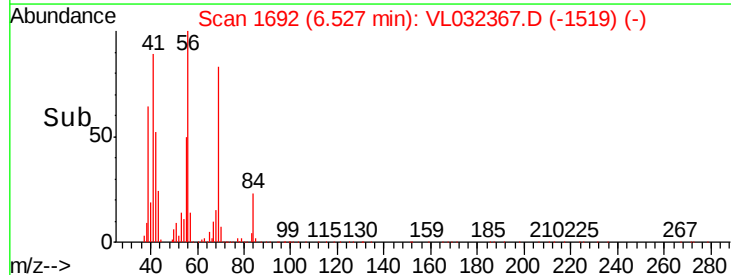
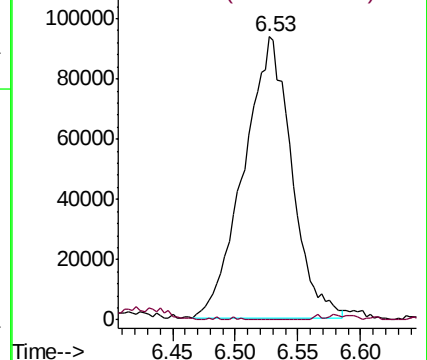
62 100

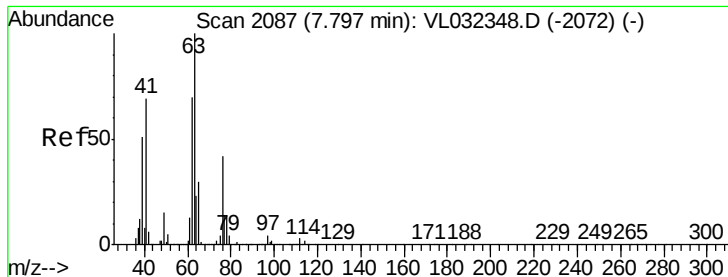
98 1.6 5.0 7.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

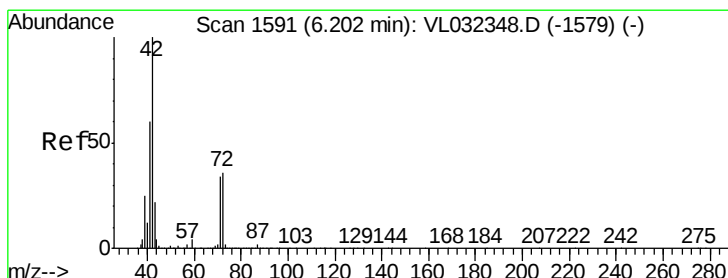
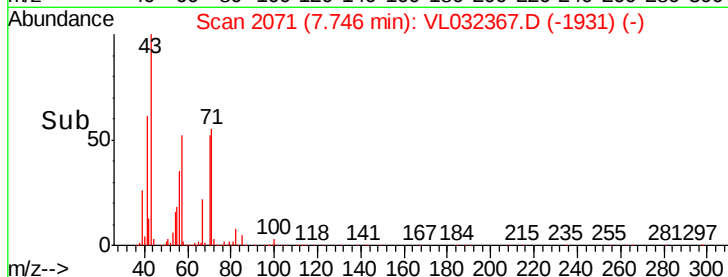
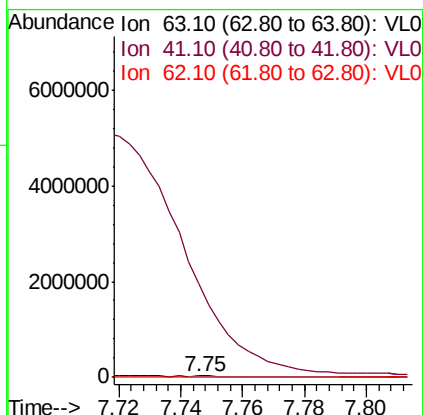
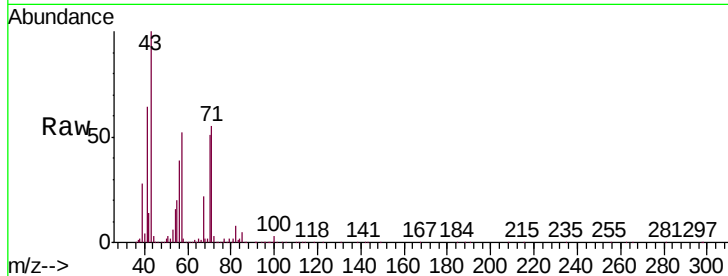




#39
 1,2-Dichloropropane
 Concen: 0.368 ppbv
 RT: 7.75 min Scan# 2071
 Delta R.T. -0.05 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

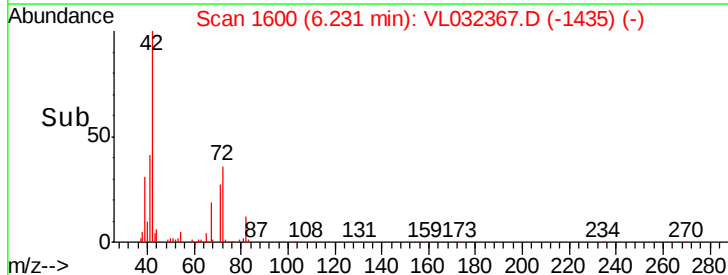
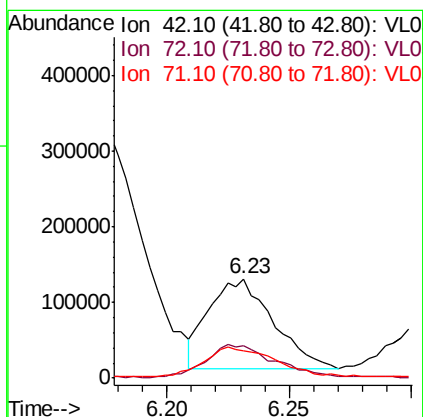
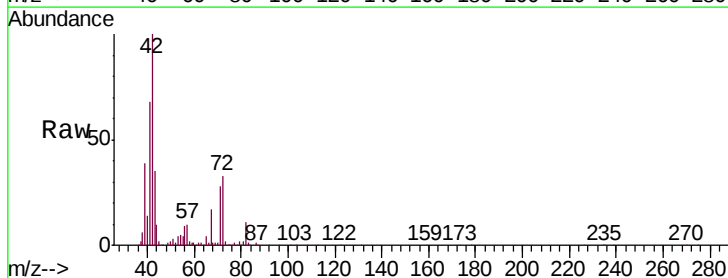
Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVI

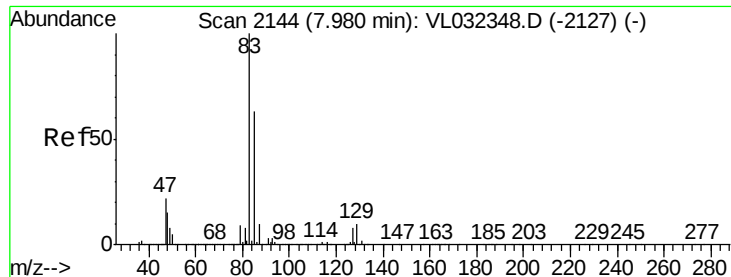
Tgt Ion: 63 Resp: 29959
 Ion Ratio Lower Upper
 63 100
 41 8498.7 55.5 83.3#
 62 42.0 56.3 84.5#



#41
 Tetrahydrofuran
 Concen: 2.569 ppbv
 RT: 6.23 min Scan# 1600
 Delta R.T. 0.03 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 42 Resp: 215591
 Ion Ratio Lower Upper
 42 100
 72 41.2 29.8 44.6
 71 0.0 28.2 42.2#





#42

Bromodichloromethane

Concen: 18.486 ppbv

RT: 8.02 min Scan# 2157

Delta R.T. 0.04 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

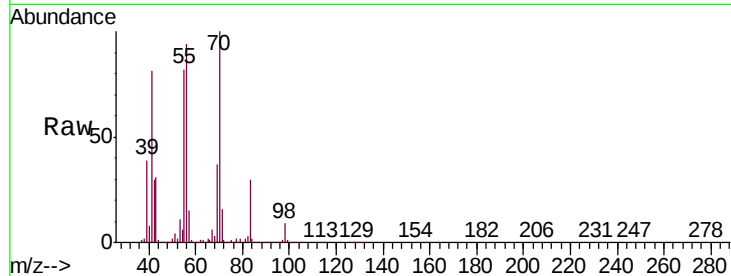
Tgt Ion: 83 Resp: 2859853

Ion Ratio Lower Upper

83 100

85 1.4 50.4 75.6#

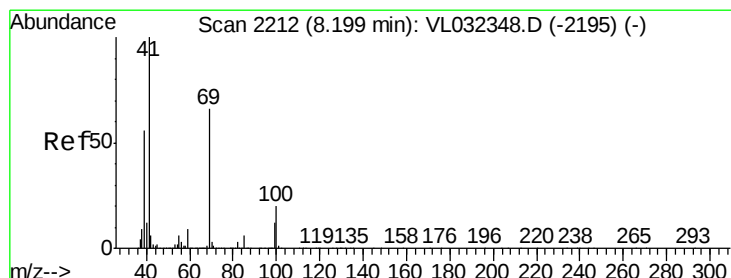
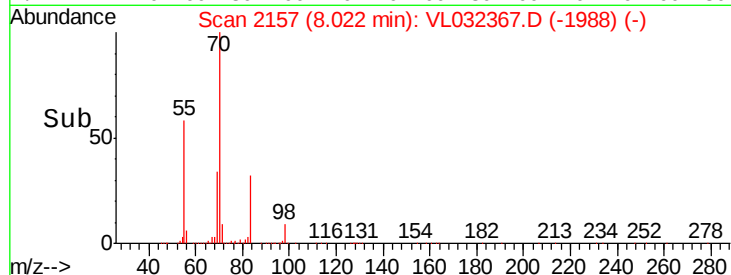
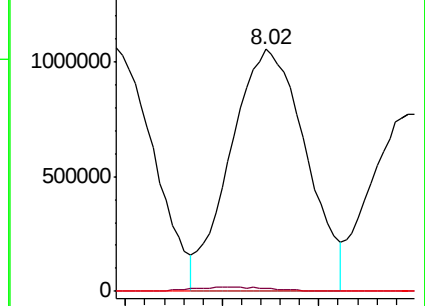
127 0.1 6.1 9.1#



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): VL0



#43

Methyl Methacrylate

Concen: 0.861 ppbv

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

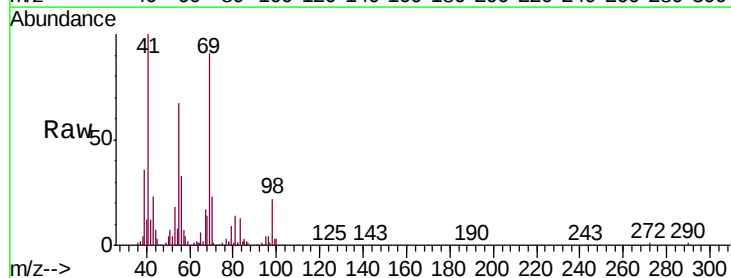
Tgt Ion: 69 Resp: 66812

Ion Ratio Lower Upper

69 100

41 0.0 118.6 177.8#

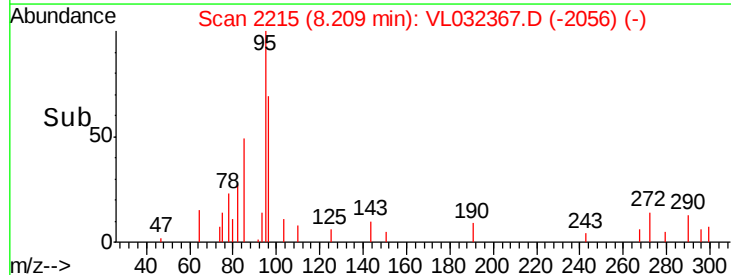
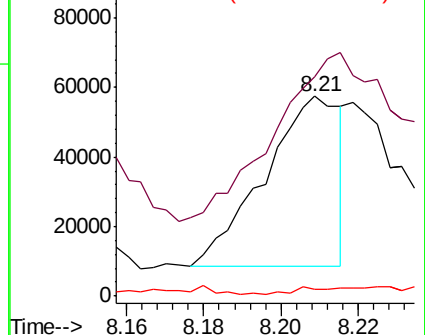
100 0.0 23.4 35.2#

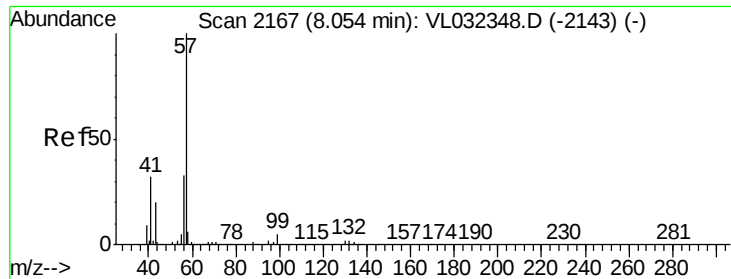


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 6.553 ppbv

RT: 8.10 min Scan# 2180

Delta R.T. 0.04 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

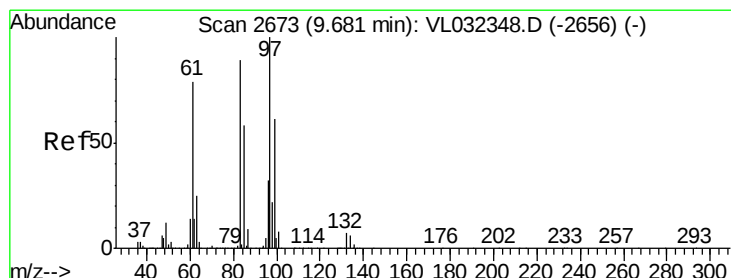
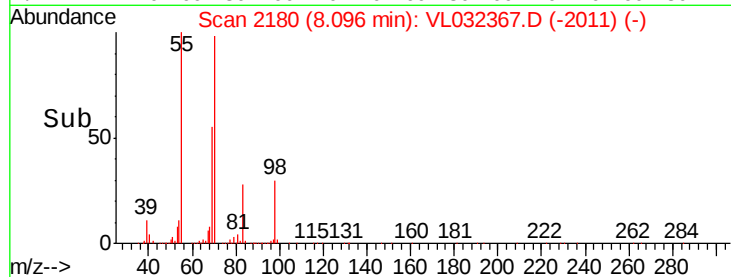
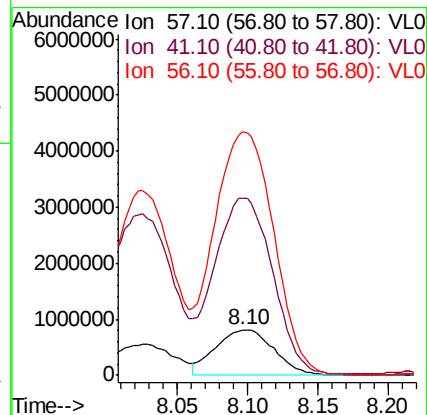
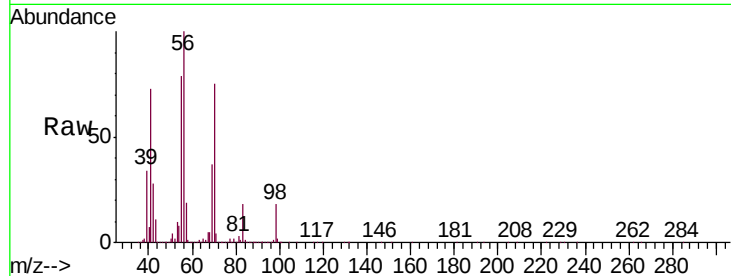
Tgt Ion: 57 Resp: 2301263

Ion Ratio Lower Upper

57 100

41 401.9 24.3 36.5#

56 561.3 25.7 38.5#



#47

1,1,2-Trichloroethane

Concen: 2.092 ppbv

RT: 9.81 min Scan# 2713

Delta R.T. 0.13 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Tgt Ion: 97 Resp: 187266

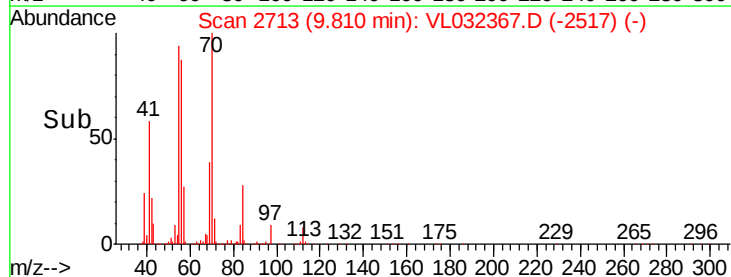
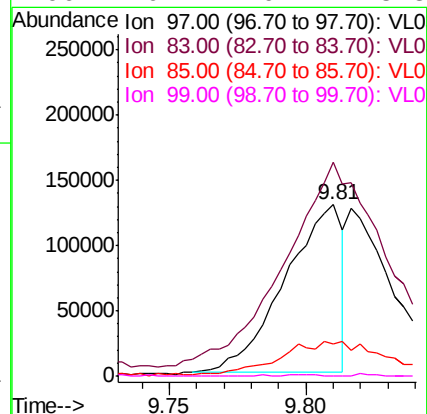
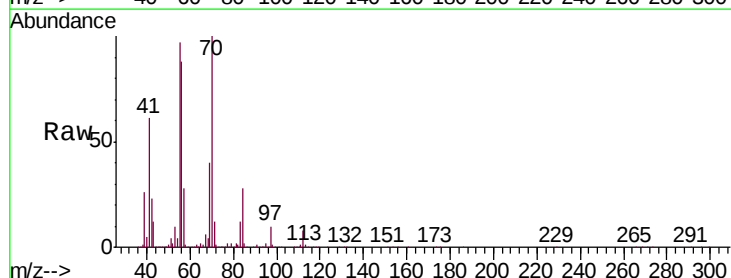
Ion Ratio Lower Upper

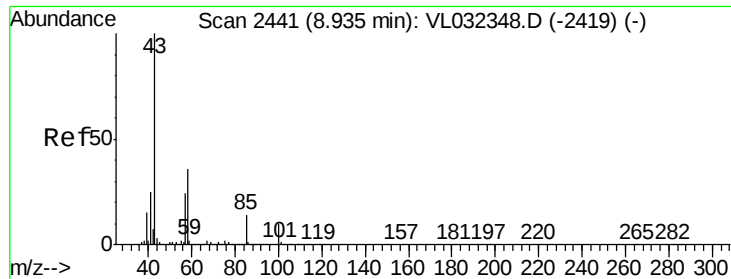
97 100

83 117.2 71.2 106.8#

85 18.3 46.6 69.8#

99 0.2 49.2 73.8#

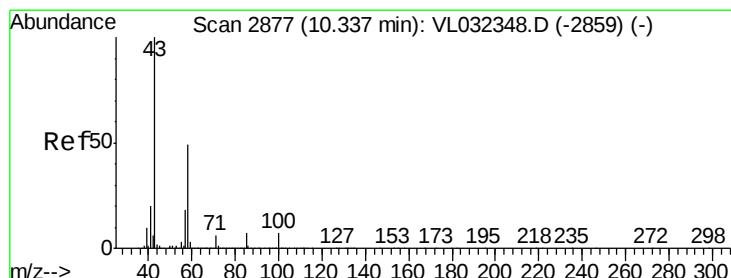
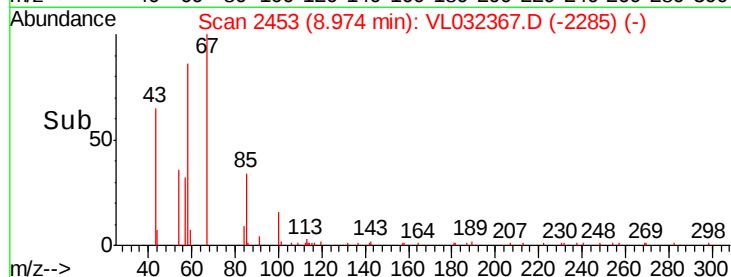
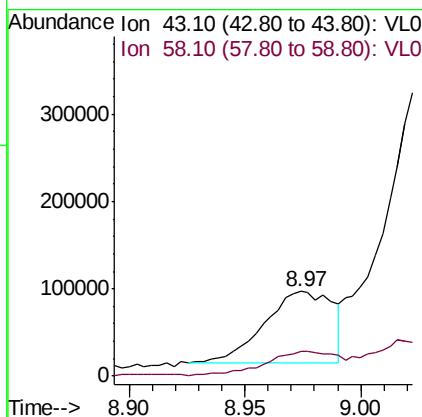
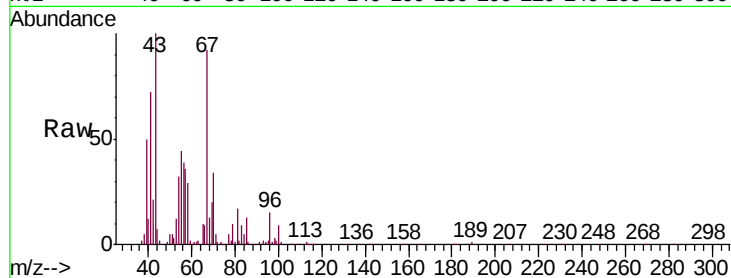




#50
 4-Methyl-2-Pentanone
 Concen: 0.742 ppbv
 RT: 8.97 min Scan# 2453
 Delta R.T. 0.04 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

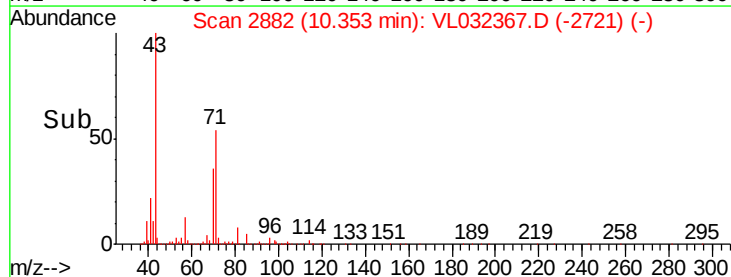
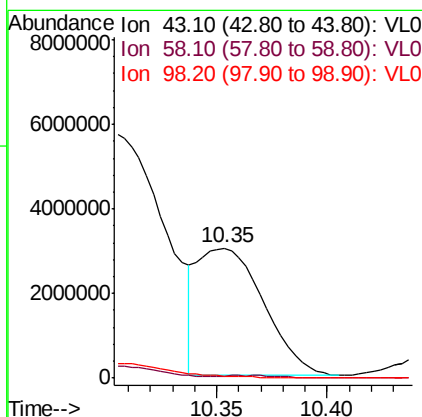
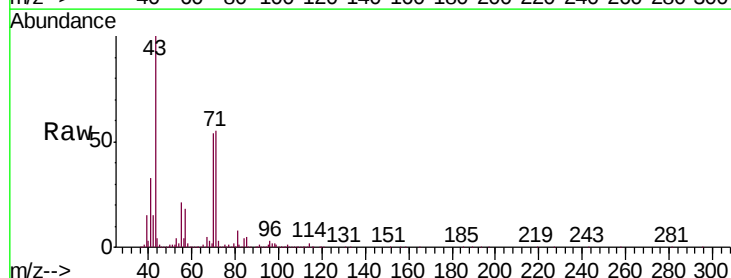
Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVI

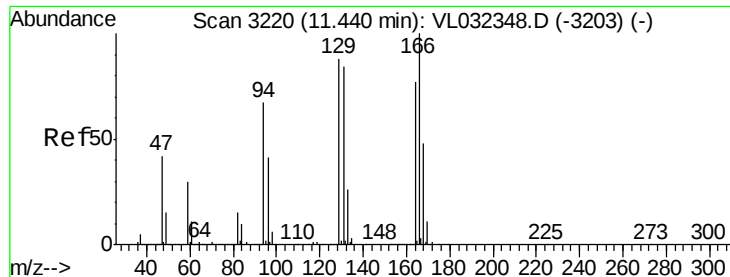
Tgt Ion: 43 Resp: 167562
 Ion Ratio Lower Upper
 43 100
 58 39.0 28.9 43.3



#51
 2-Hexanone
 Concen: 39.395 ppbv
 RT: 10.35 min Scan# 2882
 Delta R.T. 0.02 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 43 Resp: 6246198
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.5 59.3#
 98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 4.318 ppbv

RT: 11.47 min Scan# 3229

Delta R.T. 0.03 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

Tgt Ion:164 Resp: 247983

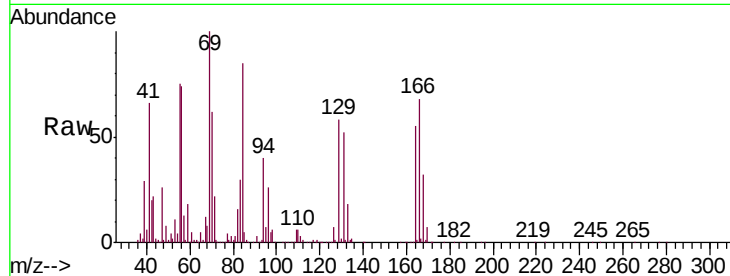
Ion Ratio Lower Upper

164 100

166 122.4 103.5 155.3

129 103.7 90.9 136.3

131 94.2 86.7 130.1

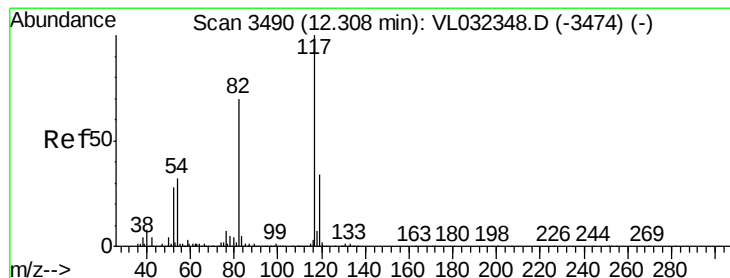
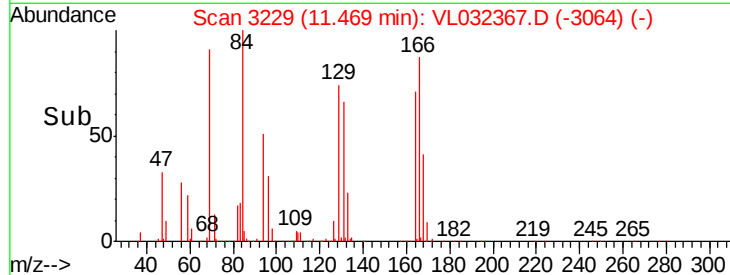
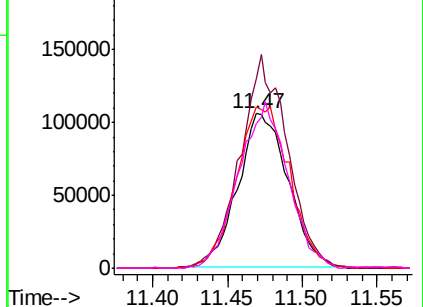


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3497

Delta R.T. 0.02 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

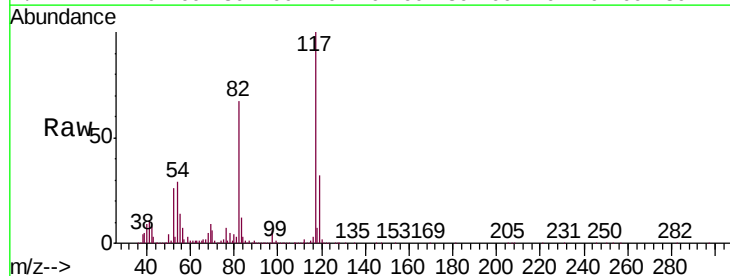
Tgt Ion:117 Resp: 3745267

Ion Ratio Lower Upper

117 100

82 73.1 55.1 82.7

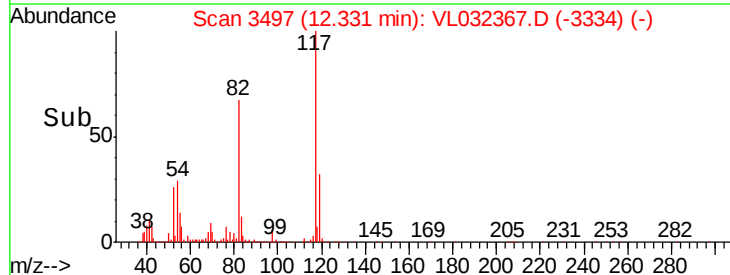
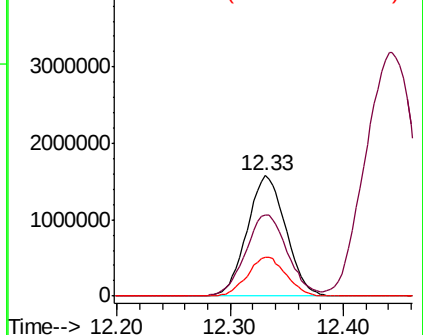
119 32.4 46.0 69.0#

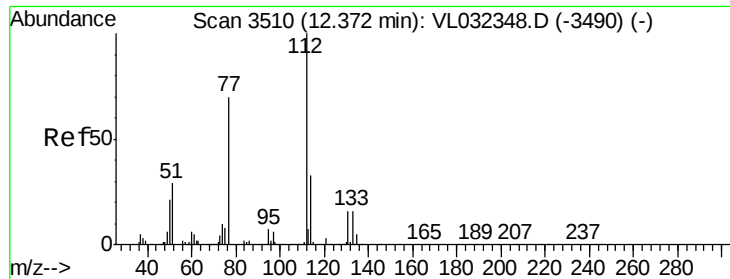


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#57

Chlorobenzene

Concen: 13.884 ppbv

RT: 12.44 min Scan# 3531

Delta R.T. 0.07 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

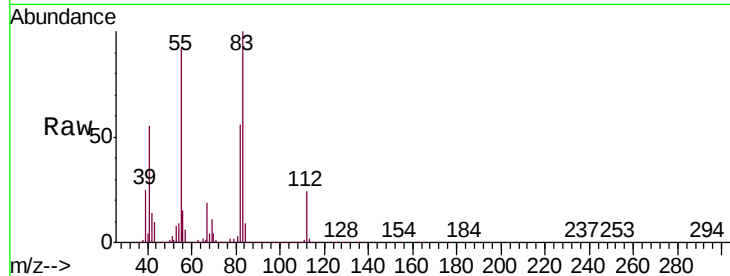
Tgt Ion:112 Resp: 3914409

Ion Ratio Lower Upper

112 100

77 8.6 56.6 84.8#

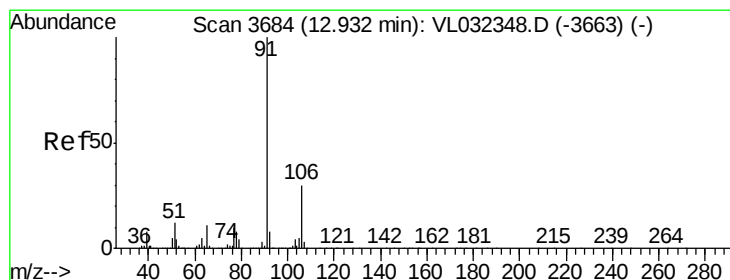
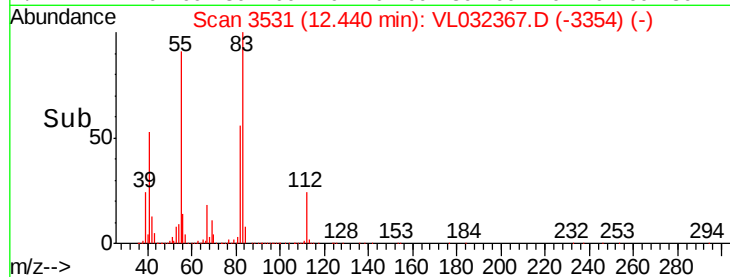
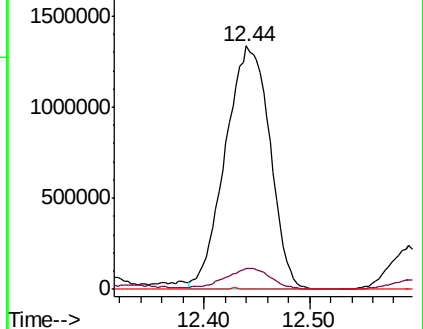
114 0.3 29.4 36.0#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 39.357 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. 0.03 min

Lab File: VL032367.D

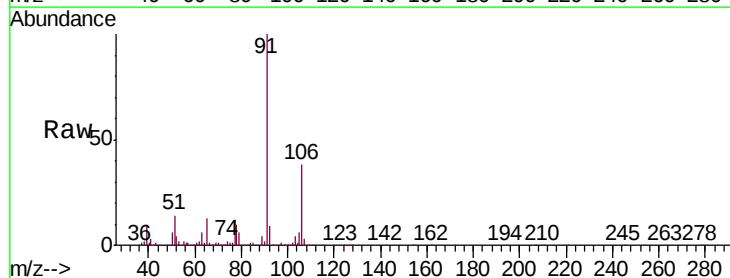
Acq: 16 Aug 2018 1:51

Tgt Ion: 91 Resp:17734442

Ion Ratio Lower Upper

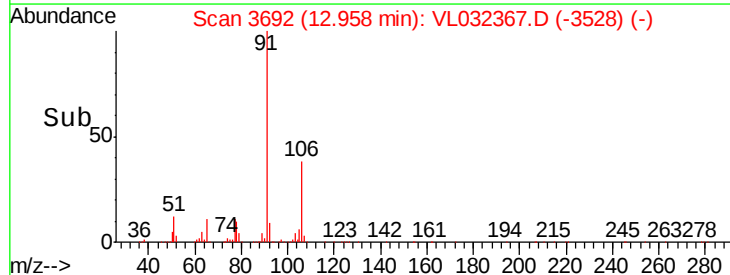
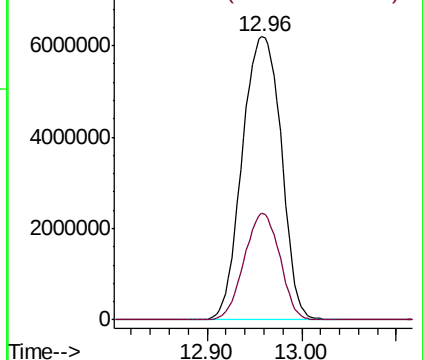
91 100

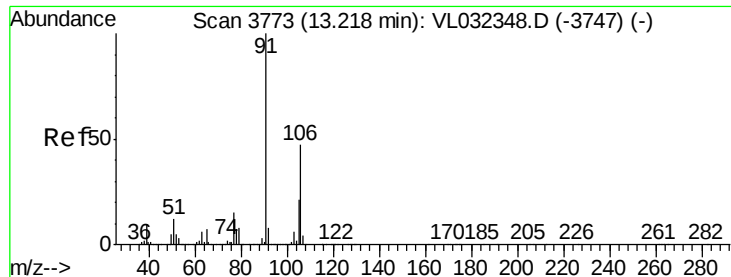
106 37.9 24.3 36.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

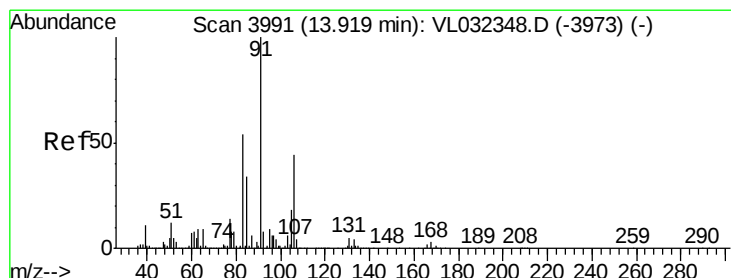
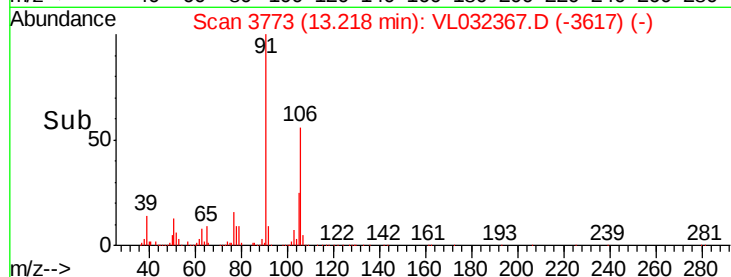
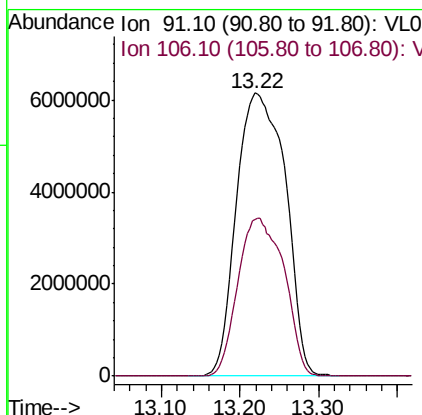
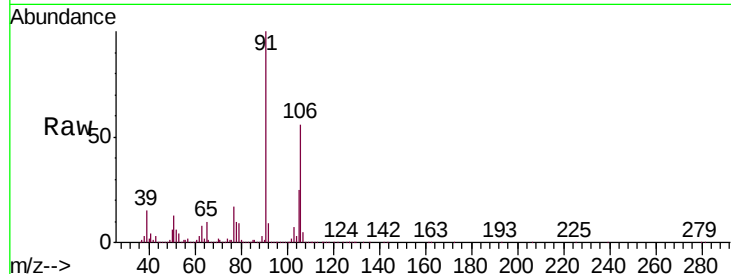




#59
m/p-Xylene
Concen: 69.786 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

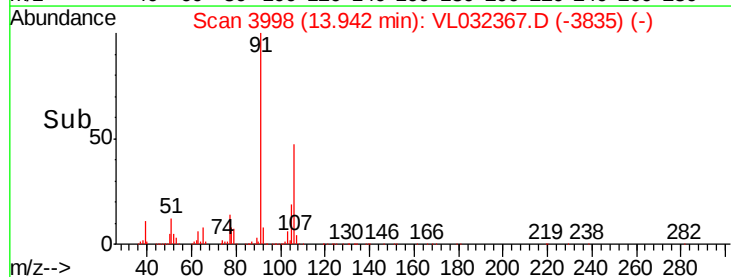
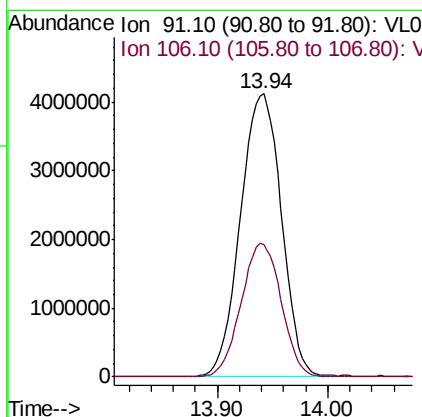
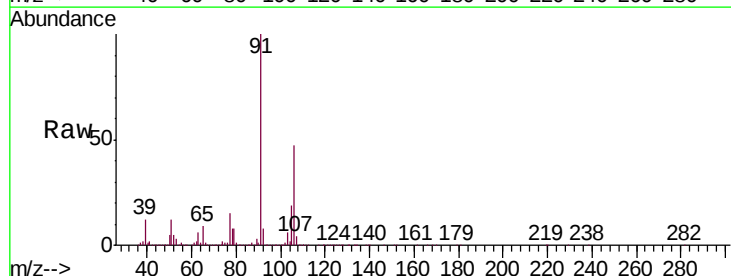
Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVI

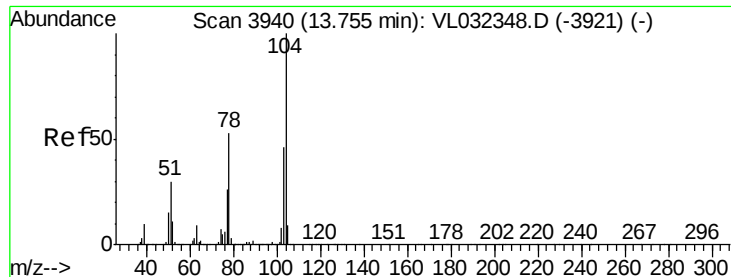
Tgt Ion: 91 Resp:26712563
Ion Ratio Lower Upper
91 100
106 53.0 37.0 55.4



#60
o-Xylene
Concen: 28.156 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. 0.02 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

Tgt Ion: 91 Resp:10593159
Ion Ratio Lower Upper
91 100
106 46.3 22.3 66.8





#61

Styrene

Concen: 0.360 ppbv

RT: 13.77 min Scan# 3945

Delta R.T. 0.02 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

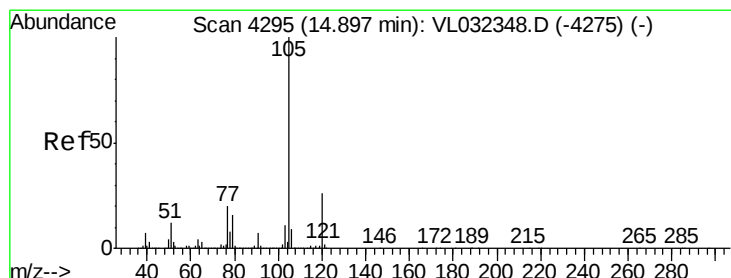
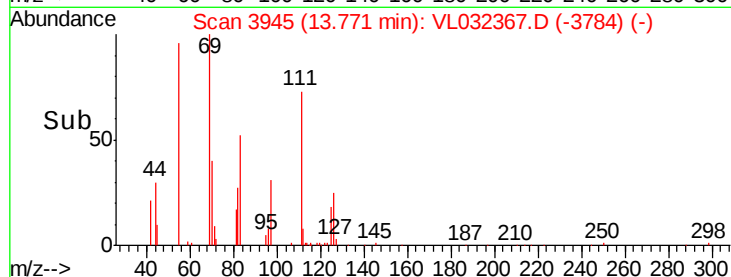
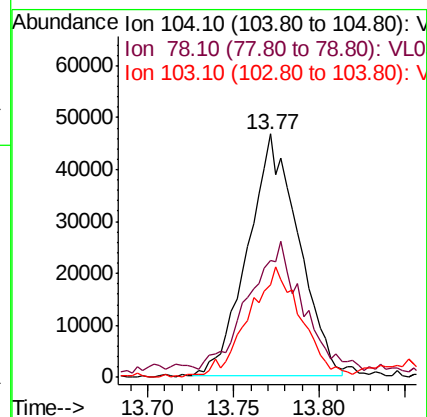
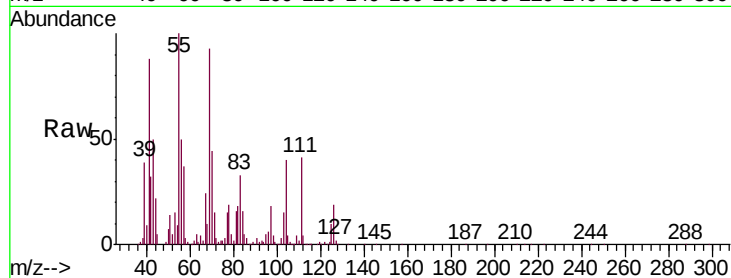
Tgt Ion:104 Resp: 94694

Ion Ratio Lower Upper

104 100

78 65.0 42.6 64.0#

103 48.3 38.0 57.0



#62

Isopropylbenzene

Concen: 3.097 ppbv

RT: 14.91 min Scan# 4299

Delta R.T. 0.01 min

Lab File: VL032367.D

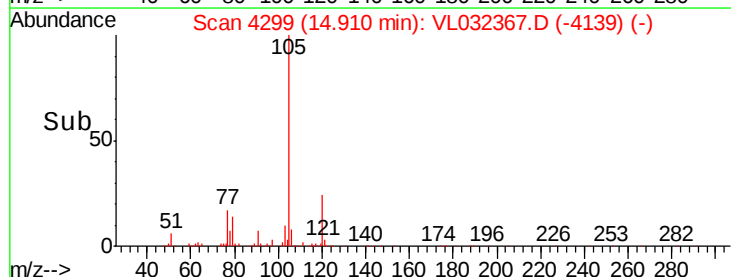
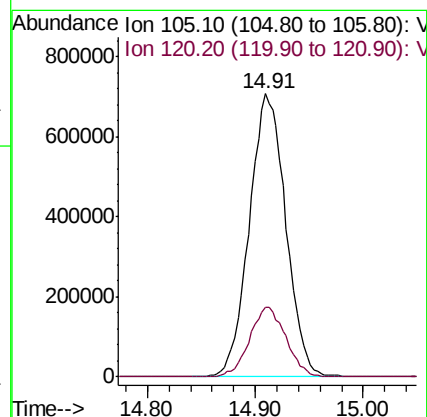
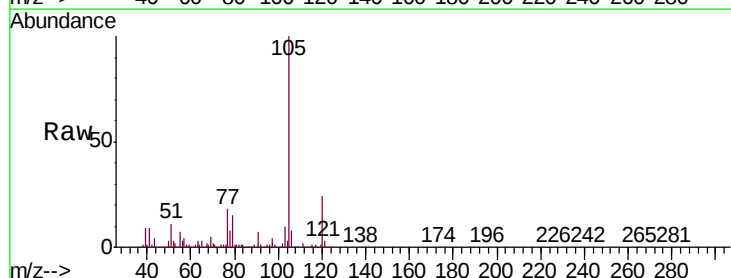
Acq: 16 Aug 2018 1:51

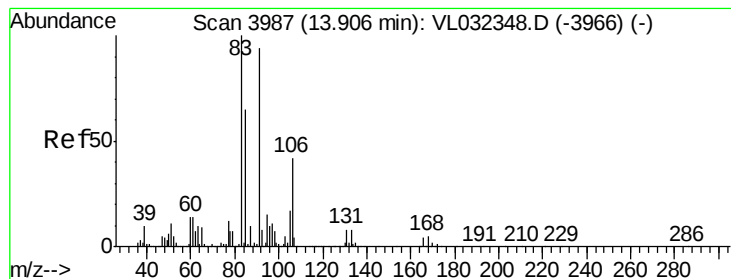
Tgt Ion:105 Resp: 1658760

Ion Ratio Lower Upper

105 100

120 24.6 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 3.604 ppbv

RT: 14.04 min Scan# 4028

Delta R.T. 0.13 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

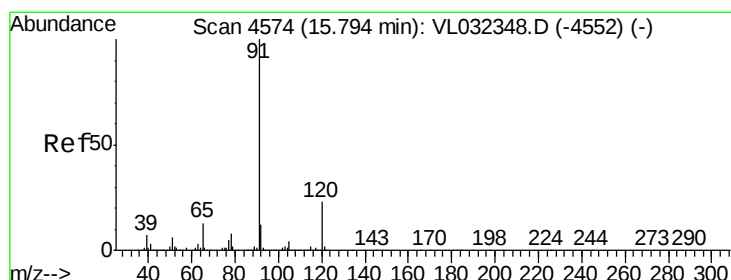
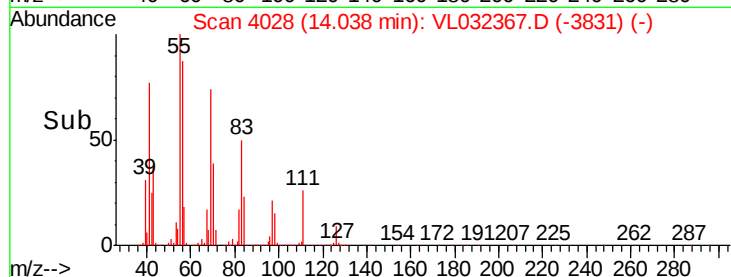
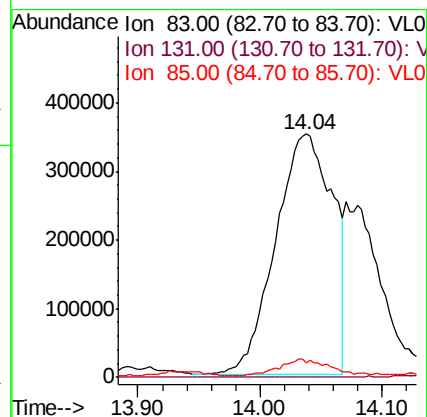
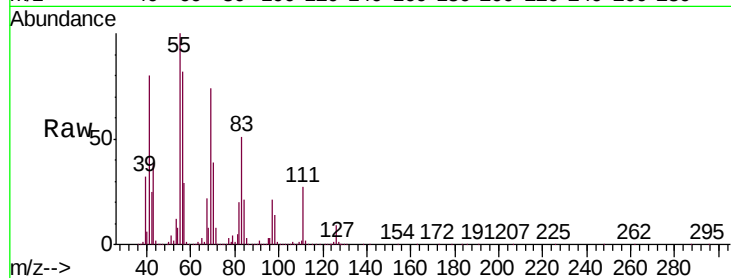
Tgt Ion: 83 Resp: 1140315

Ion Ratio Lower Upper

83 100

131 0.1 4.3 12.8#

85 0.0 32.4 97.2#



#64

n-propylbenzene

Concen: 3.993 ppbv

RT: 15.81 min Scan# 4578

Delta R.T. 0.01 min

Lab File: VL032367.D

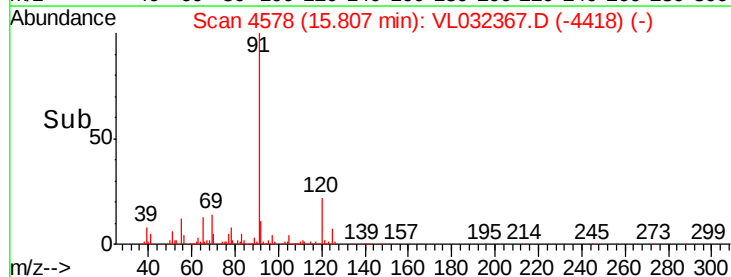
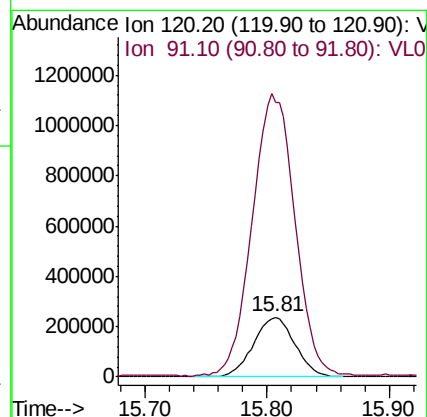
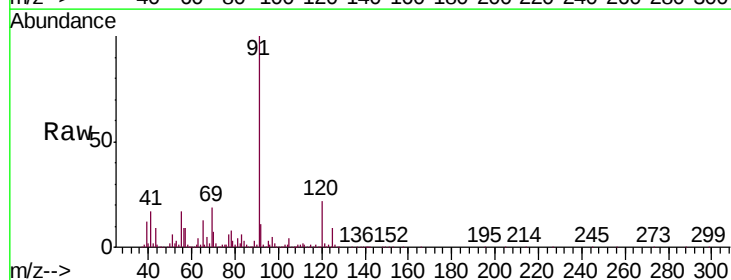
Acq: 16 Aug 2018 1:51

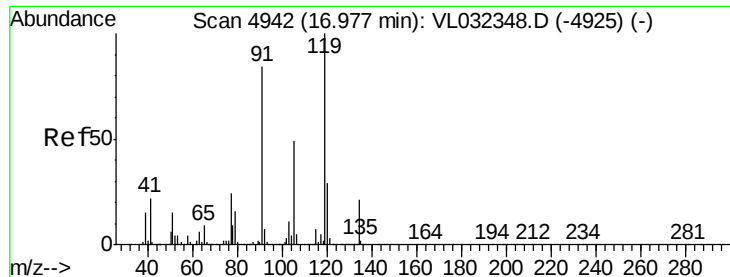
Tgt Ion: 120 Resp: 553497

Ion Ratio Lower Upper

120 100

91 490.5 382.2 573.2





#65

tert-Butylbenzene

Concen: 1.013 ppbv

RT: 17.00 min Scan# 4950

Delta R.T. 0.03 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampled :

SG06-MIVI

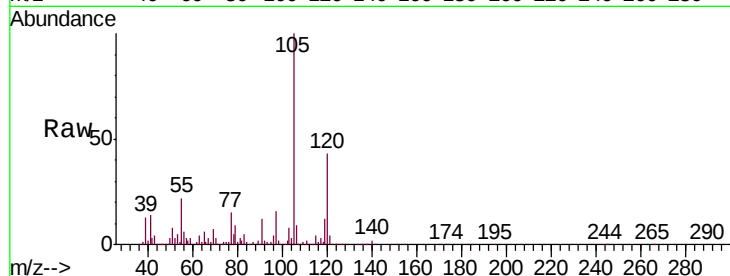
Tgt Ion: 119 Resp: 463585

Ion Ratio Lower Upper

119 100

91 100.2 67.4 101.0

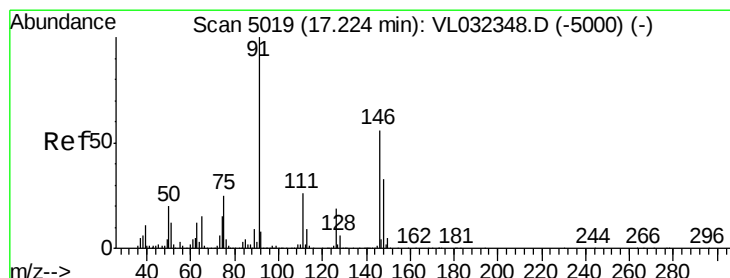
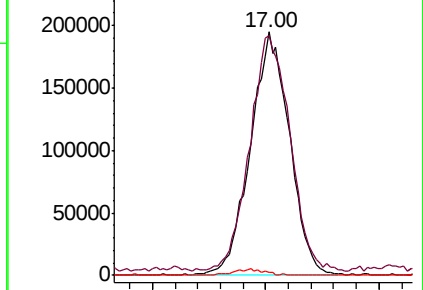
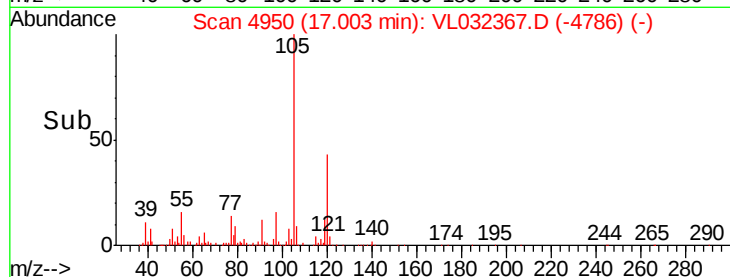
134 2.2 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.048 ppbv

RT: 17.45 min Scan# 5089

Delta R.T. 0.23 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

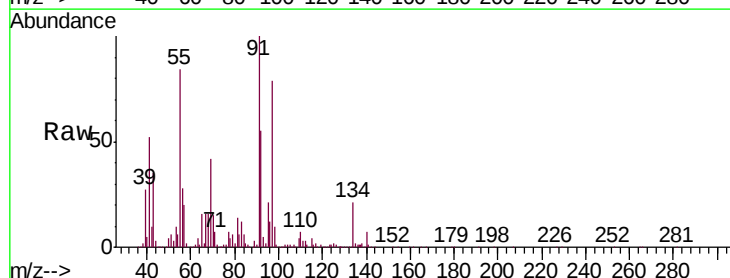
Tgt Ion: 91 Resp: 554828

Ion Ratio Lower Upper

91 100

126 1.2 14.2 21.4#

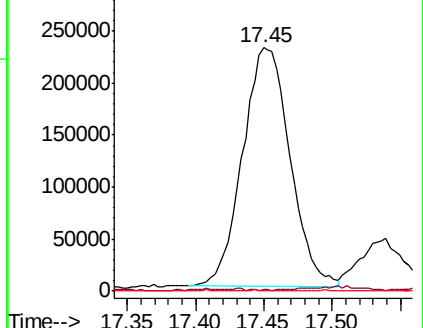
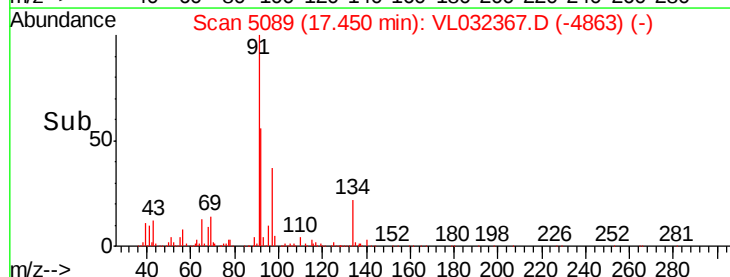
128 0.3 4.5 6.7#

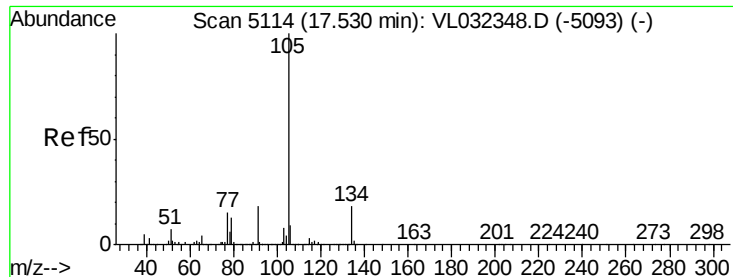


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.883 ppbv

RT: 17.54 min Scan# 5116

Delta R.T. 0.01 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

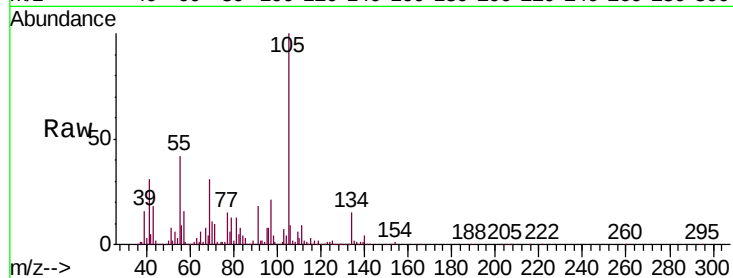
SG06-MIVI

Tgt Ion: 105 Resp: 600521

Ion Ratio Lower Upper

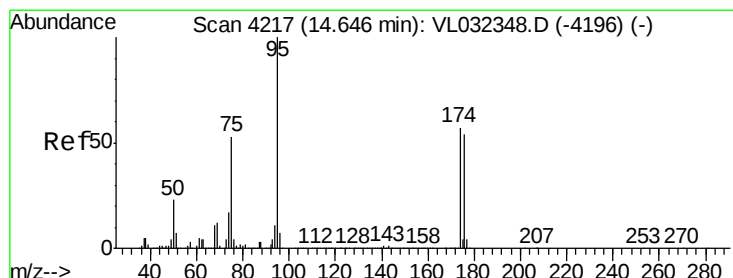
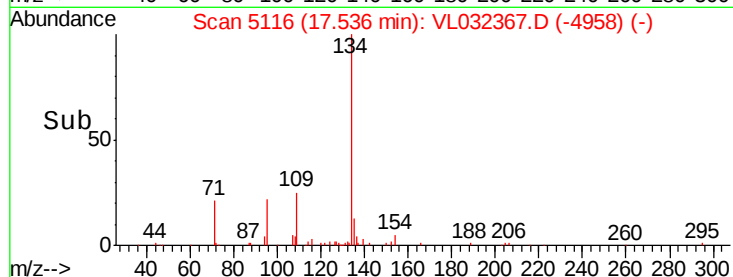
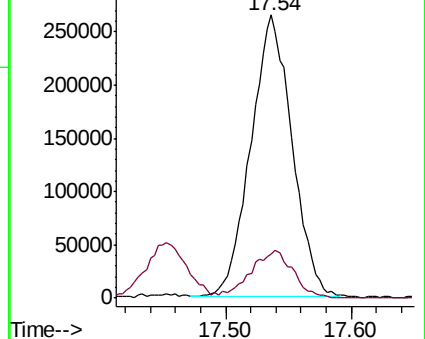
105 100

134 17.7 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.390 ppbv

RT: 14.66 min Scan# 4222

Delta R.T. 0.02 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

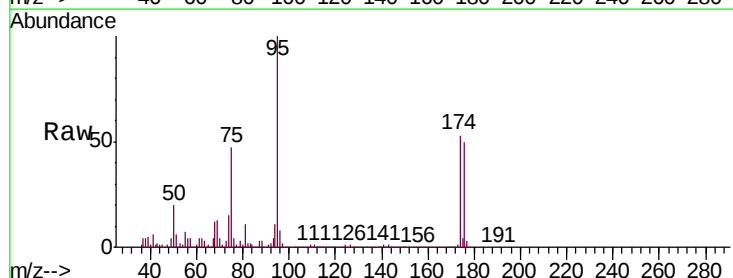
Tgt Ion: 95 Resp: 3254576

Ion Ratio Lower Upper

95 100

174 51.5 46.2 69.4

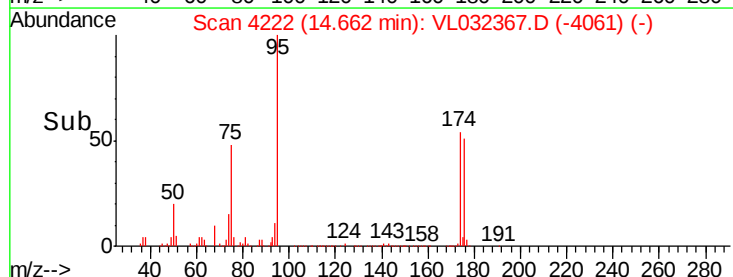
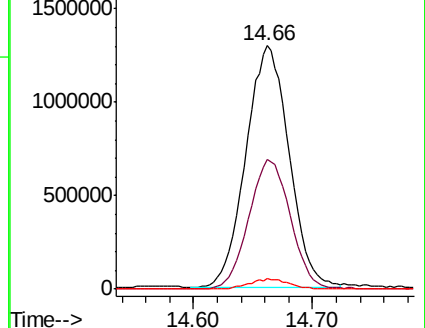
175 3.8 3.4 5.0

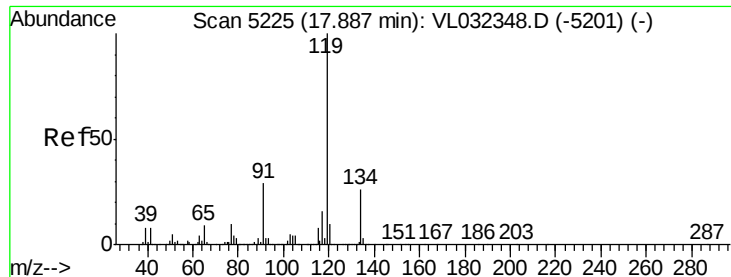


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

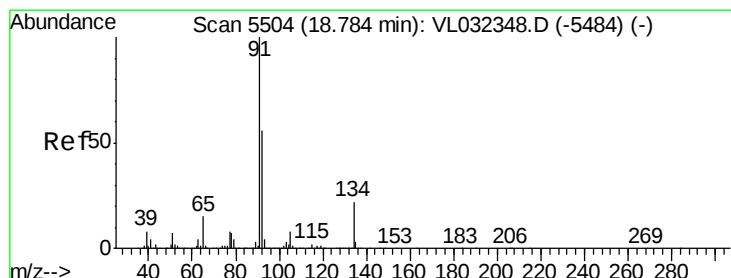
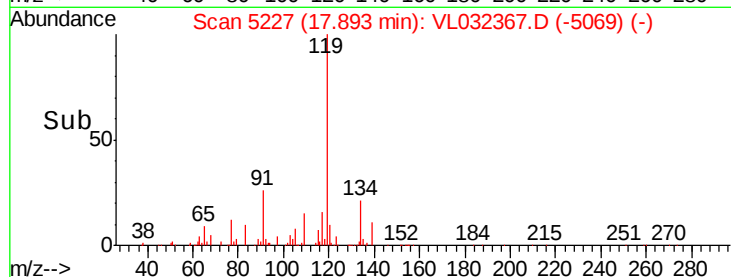
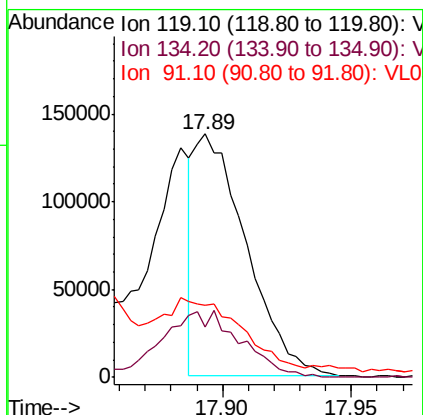
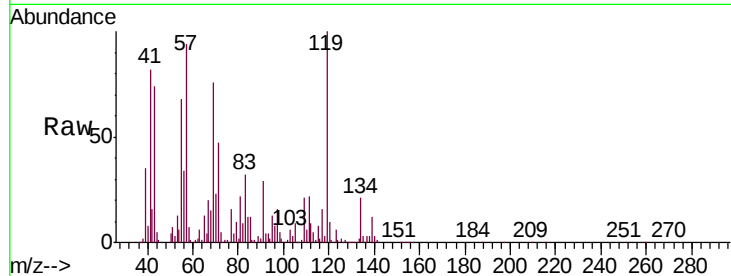




#69
p-Isopropyltoluene
Concen: 0.365 ppbv
RT: 17.89 min Scan# 5227
Delta R.T. 0.01 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

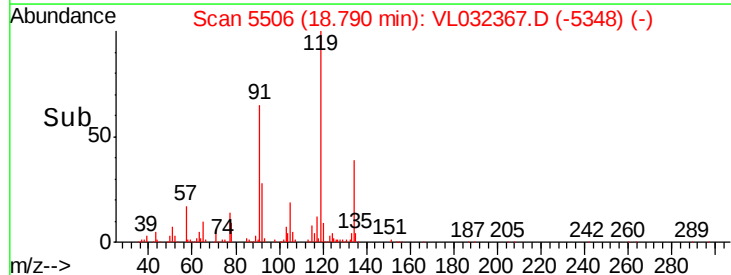
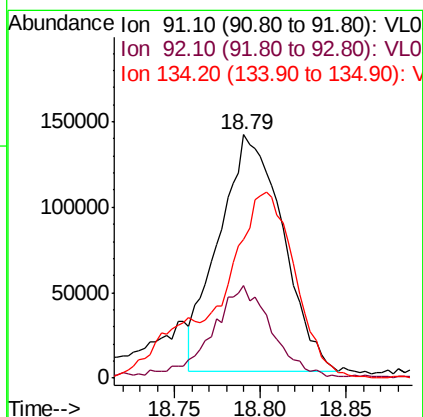
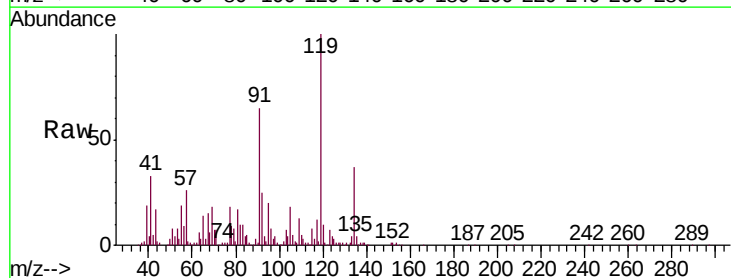
Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVI

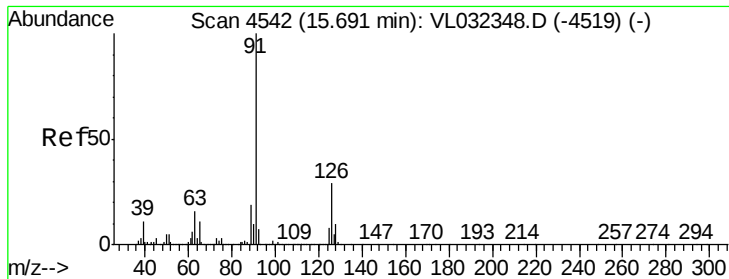
Tgt Ion	Ratio	Lower	Upper
119	100		
134	42.4	20.4	30.6#
91	0.0	23.6	35.4#



#70
n-Butylbenzene
Concen: 0.627 ppbv
RT: 18.79 min Scan# 5506
Delta R.T. 0.01 min
Lab File: VL032367.D
Acq: 16 Aug 2018 1:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	36.9	43.9	65.9#
134	96.2	17.3	25.9#

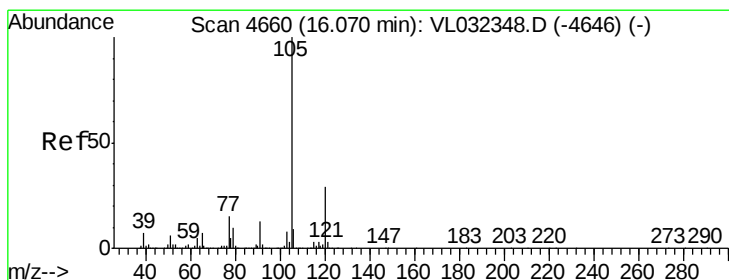
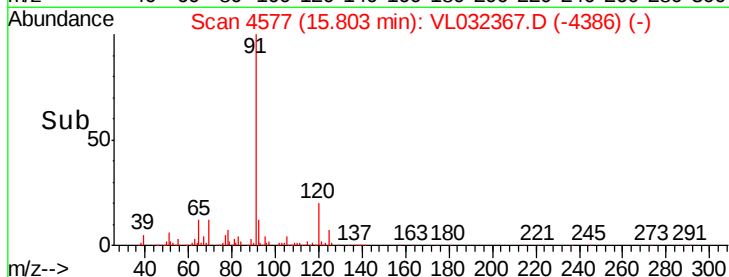
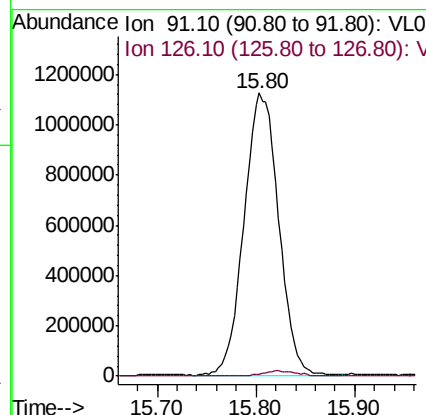
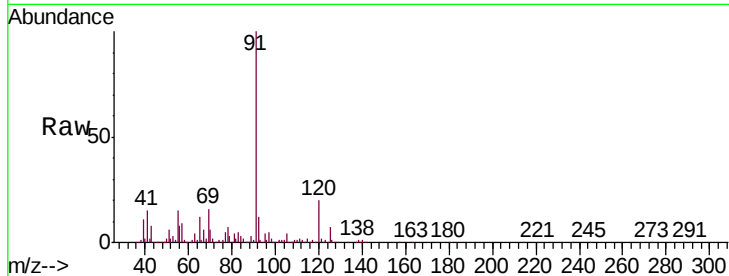




#71
 2-Chlorotoluene
 Concen: 6.548 ppbv
 RT: 15.80 min Scan# 4577
 Delta R.T. 0.11 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

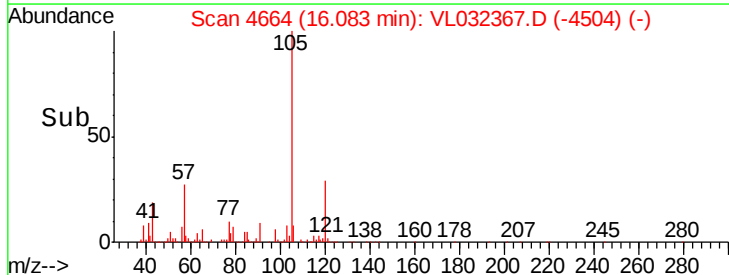
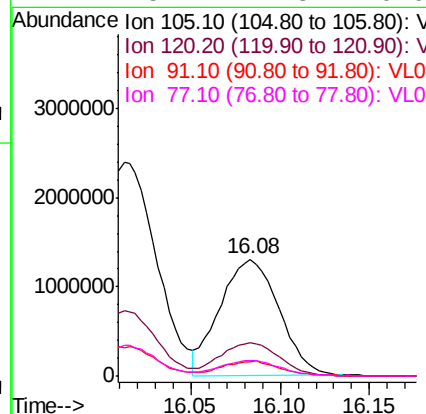
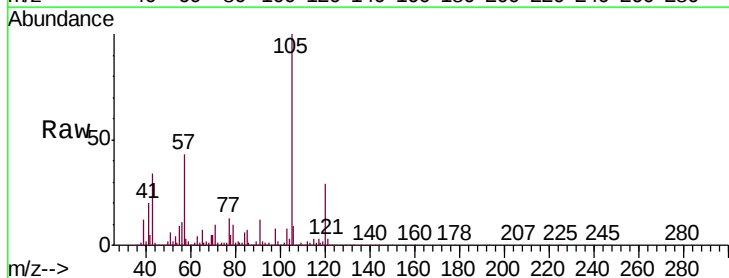
Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVI

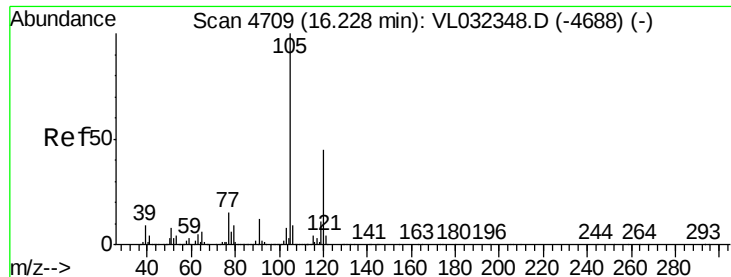
Tgt Ion: 91 Resp: 2714078
 Ion Ratio Lower Upper
 91 100
 126 2.0 11.8 47.2#



#72
 4-Ethyltoluene
 Concen: 7.143 ppbv
 RT: 16.08 min Scan# 4664
 Delta R.T. 0.01 min
 Lab File: VL032367.D
 Acq: 16 Aug 2018 1:51

Tgt Ion: 105 Resp: 2997556
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.4 35.0
 91 12.2 10.0 15.0
 77 13.4 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 5.678 ppbv

RT: 16.24 min Scan# 4713

Delta R.T. 0.01 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampled :

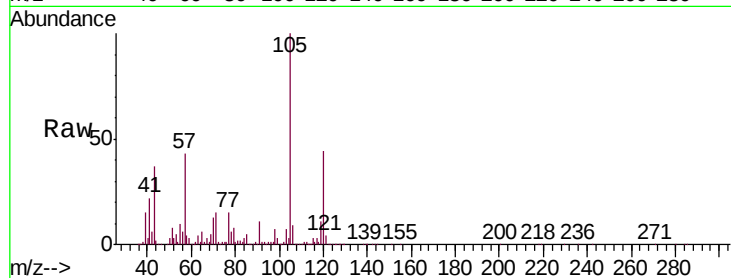
SG06-MIVI

Tgt Ion:105 Resp: 2291785

Ion Ratio Lower Upper

105 100

120 44.3 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.24

1000000

800000

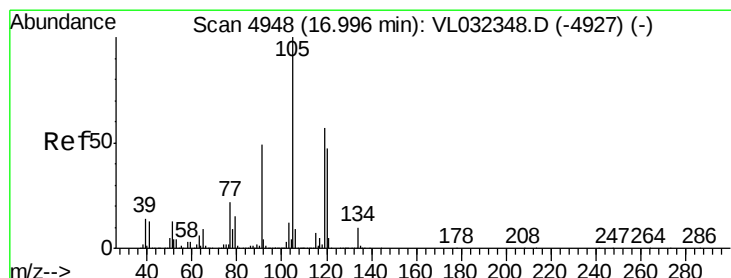
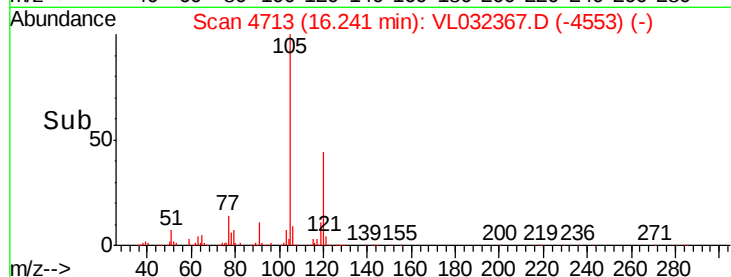
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.016 ppbv

RT: 17.01 min Scan# 4951

Delta R.T. 0.01 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Tgt Ion:105 Resp: 3871857

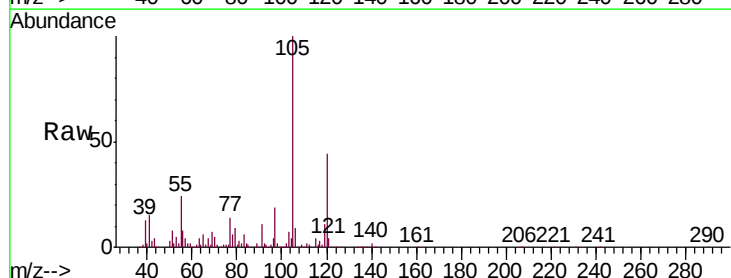
Ion Ratio Lower Upper

105 100

120 43.9 37.6 56.4

91 10.8 39.9 59.9#

77 13.7 17.8 26.8#



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

2500000

2000000

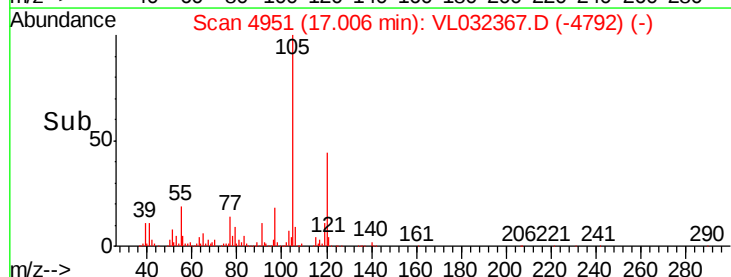
1500000

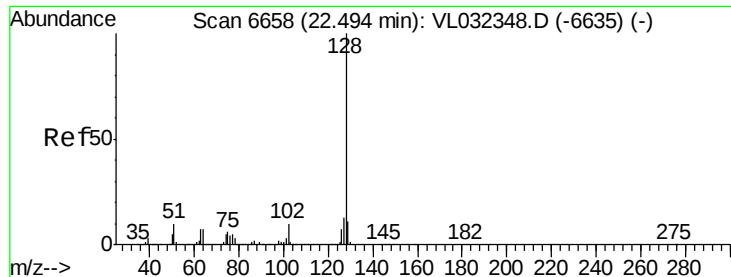
1000000

500000

0

Time-->





#79

Naphthalene

Concen: 0.644 ppbv

RT: 22.49 min Scan# 6658

Delta R.T. 0.00 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVI

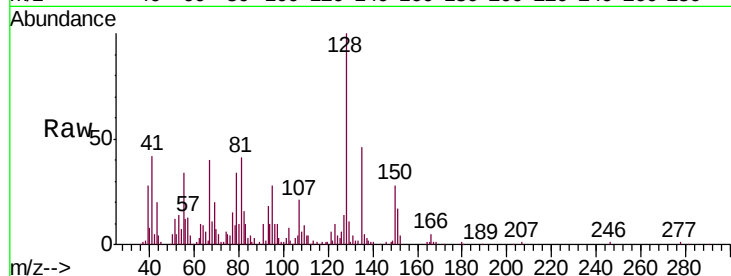
Tgt Ion:128 Resp: 131547

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

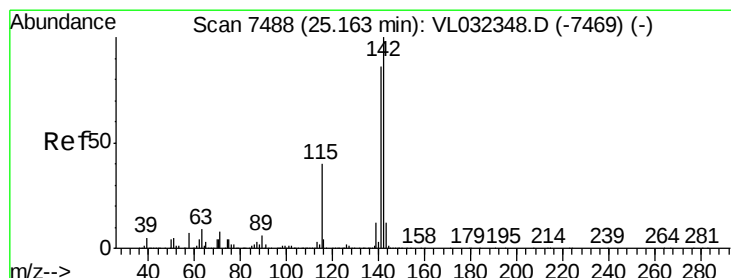
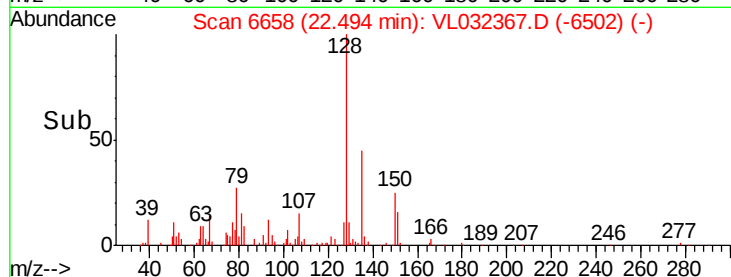
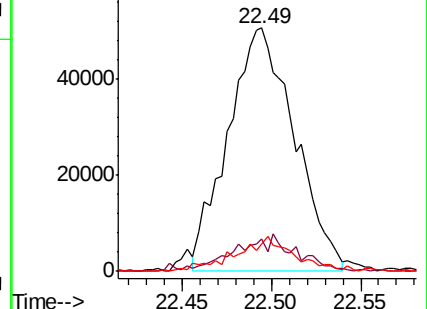
129 11.1 8.6 13.0



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.362 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032367.D

Acq: 16 Aug 2018 1:51

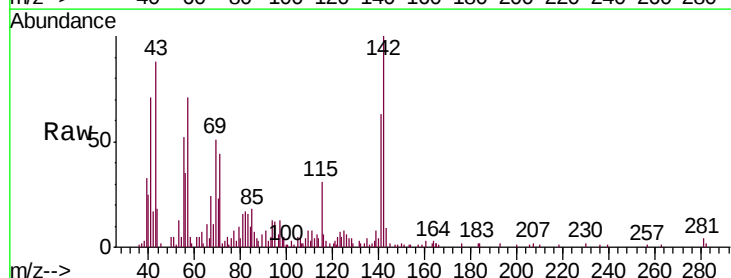
Tgt Ion:142 Resp: 31022

Ion Ratio Lower Upper

142 100

141 86.0 66.7 100.1

115 42.1 31.0 46.6



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

