

Data File : VL032366.D
Acq On : 16 Aug 2018 1:10
Operator : SY/AP
Sample : J4457-02DL 10XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Quant Time: Aug 16 05:49:40 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	5.82	49	1985844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4241908	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4022004	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3221878	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	9075	Below Cal	#	84
3) Chlorodifluoromethane	3.05	51	9985	0.054	ppbv	96
4) Chloromethane	3.21	50	3955	0.036	ppbv	95
9) Propene	3.28	41	1493159	18.966	ppbv	97
10) Heptane	8.31	43	2807003	11.837	ppbv	99
13) Ethanol	3.69	45	227521	11.252	ppbv	99
15) Acetone	3.97	43	2998804	15.894	ppbv	# 64
16) 1,3-Butadiene	3.39	39	21242	0.273	ppbv	# 1
17) tert-Butyl alcohol	4.42	59	10684	0.337	ppbv	# 74
19) Isopropyl Alcohol	4.08	45	208656	1.642	ppbv	# 1
20) Methylene Chloride	4.46	84	19618	0.275	ppbv	# 93
21) Allyl Chloride	4.71	41	83987	0.705	ppbv	# 44
23) Vinyl Acetate	5.19	43	659250	2.023	ppbv	# 1
25) Ethyl Acetate	5.84	43	1977500	4.891	ppbv	# 77
26) Hexane	5.84	57	2738642	15.193	ppbv	# 44
27) Carbon Disulfide	4.67	76	67222	0.400	ppbv	95
30) Cyclohexane	7.31	84	2255652	16.428	ppbv	98
34) 2-Butanone	5.39	43	264512	0.916	ppbv	99
36) Benzene	7.06	78	884316	2.459	ppbv	98
39) 1,2-Dichloropropane	7.35	63	1134685	7.553	ppbv	# 24
41) Tetrahydrofuran	6.49	42	620926	4.006	ppbv	# 39
42) Bromodichloromethane	7.98	83	87312	0.306	ppbv	# 29
43) Methyl Methacrylate	8.29	69	6374	0.044	ppbv	# 1
44) 2,2,4-Trimethylpentane	8.06	57	104864	0.162	ppbv	# 1
50) 4-Methyl-2-Pentanone	8.95	43	15376	0.037	ppbv	# 39
51) 2-Hexanone	10.32	43	469035	1.602	ppbv	# 32
52) Tetrachloroethene	11.46	164	9774822	92.162	ppbv	89
53) Toluene	10.01	91	5704056	14.469	ppbv	100
57) Chlorobenzene	12.41	112	503506	1.663	ppbv	# 29
58) Ethyl Benzene	12.94	91	2163178	4.470	ppbv	96
59) m/p-Xylene	13.19	91	4926131	11.984	ppbv	100
60) o-Xylene	13.92	91	1725936	4.272	ppbv	99
61) Styrene	13.76	104	23812	0.084	ppbv	# 35
62) Isopropylbenzene	14.89	105	229994	0.400	ppbv	98
64) n-propylbenzene	15.79	120	86916	0.584	ppbv	87
65) tert-Butylbenzene	17.00	119	211796	0.431	ppbv	# 72
67) sec-Butylbenzene	17.53	105	64634	0.088	ppbv	95
69) p-Isopropyltoluene	17.89	119	34411	0.062	ppbv	# 47
70) n-Butylbenzene	18.80	91	45335	0.074	ppbv	# 1
71) 2-Chlorotoluene	15.55	91	18595	0.042	ppbv	78
72) 4-Ethyltoluene	16.07	105	754971	1.675	ppbv	99

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.22	105	718111	1.657	ppbv	97
74) 1,2,4-Trimethylbenzene	16.99	105	1883299	4.083	ppbv #	71
79) Naphthalene	22.50	128	5213	0.339	ppbv #	33
80) Naphthalene,2-methyl-	25.17	142	15773	0.171	ppbv #	87

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

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Operator : SY/AP

Sample : J4457-02DL 10XDUP

Misc : 400ml/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

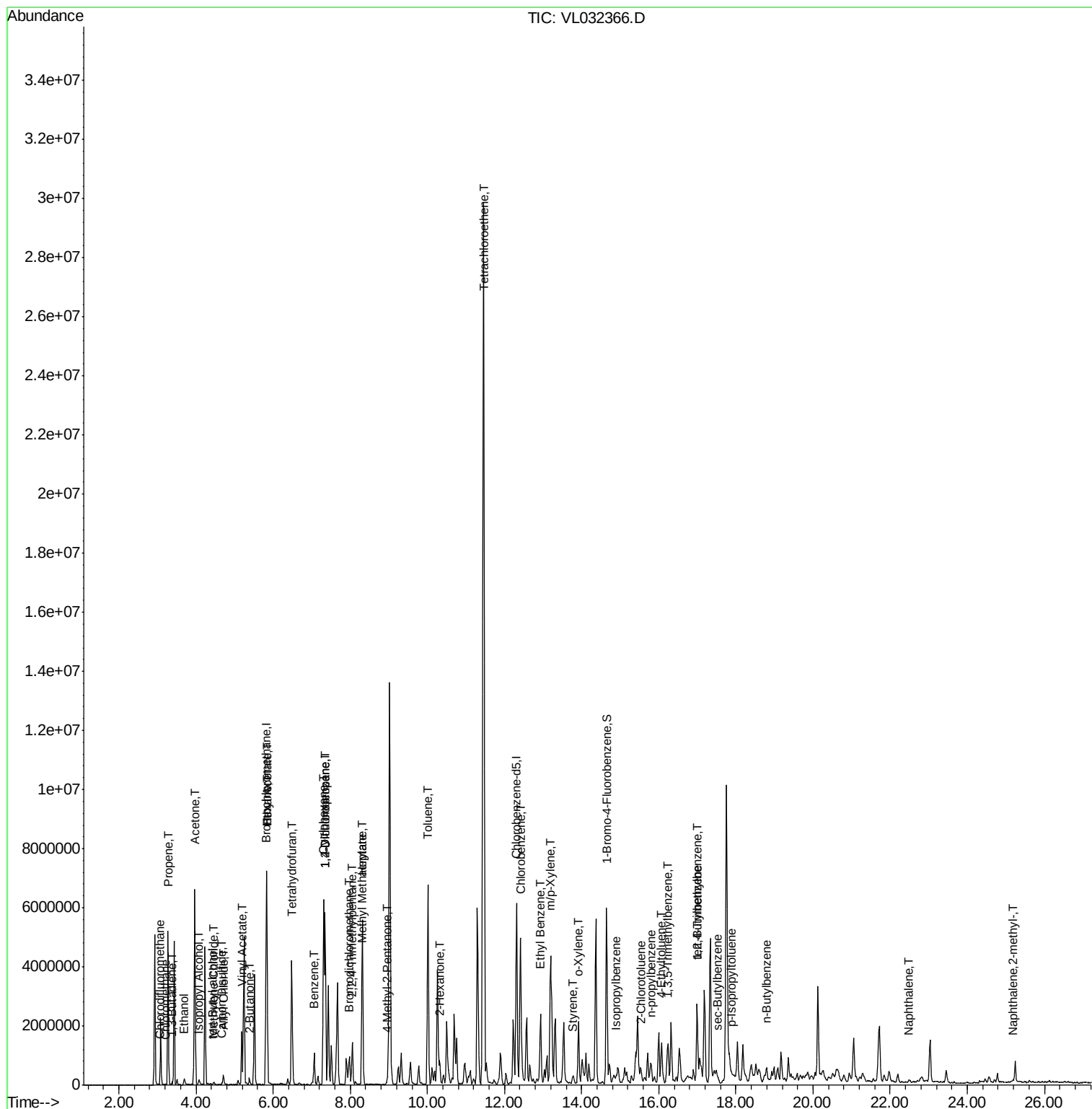
Quant Time: Aug 16 05:49:40 2018

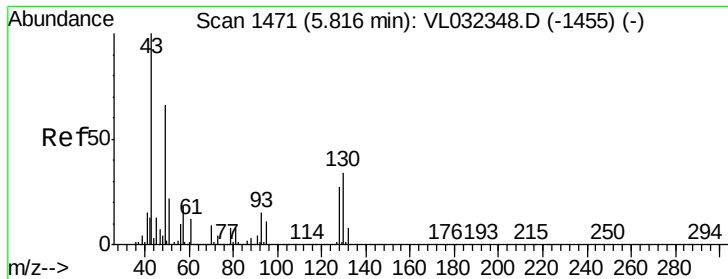
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

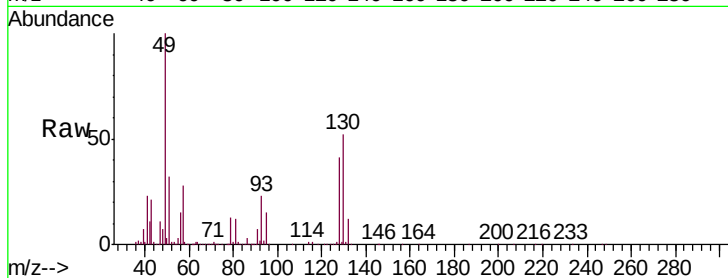
Tgt Ion: 49 Resp: 1985844

Ion Ratio Lower Upper

49 100

128 41.7 20.5 61.6

130 52.7 26.2 78.5

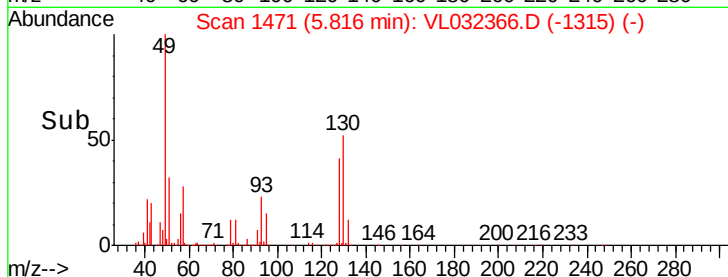


Abundance Ion 49.10 (48.80 to 49.80): VL0

1500000 Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



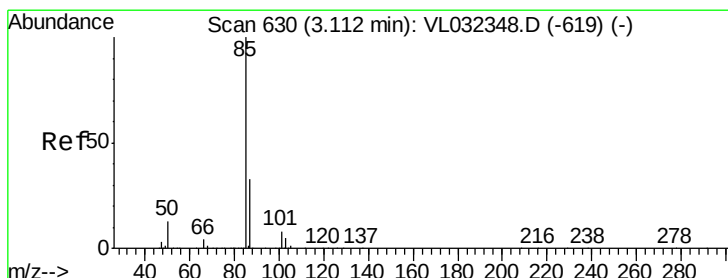
5.82

1000000

500000

0

5.75 5.80 5.85



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032366.D

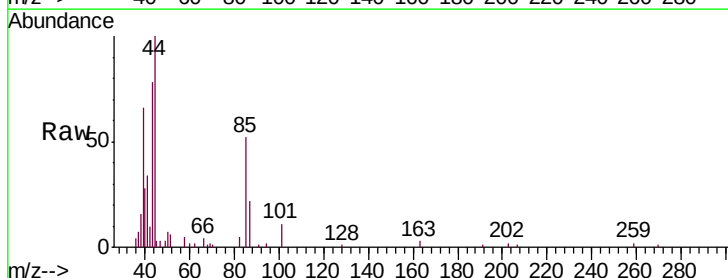
Acq: 16 Aug 2018 1:10

Tgt Ion: 85 Resp: 9075

Ion Ratio Lower Upper

85 100

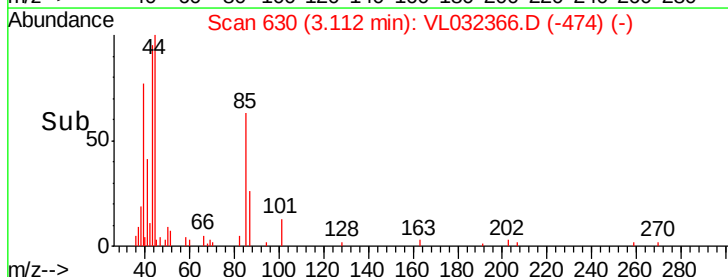
87 41.8 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.11

8000

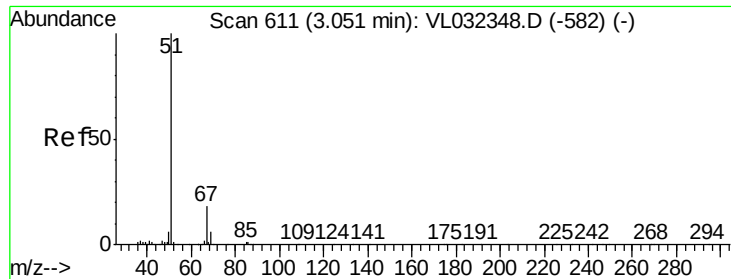
6000

4000

2000

0

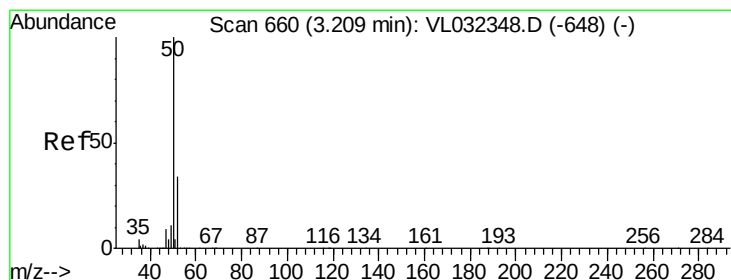
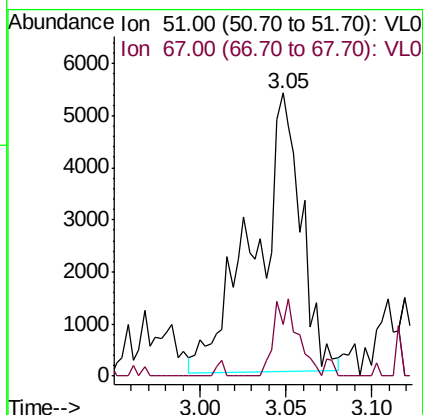
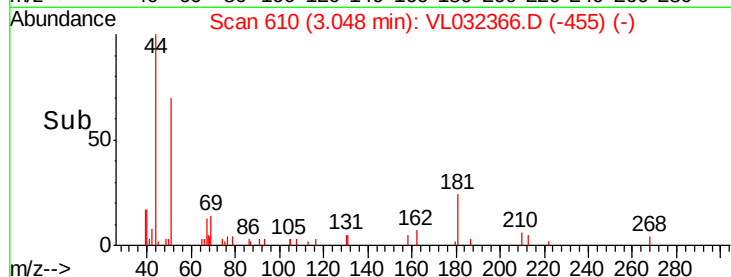
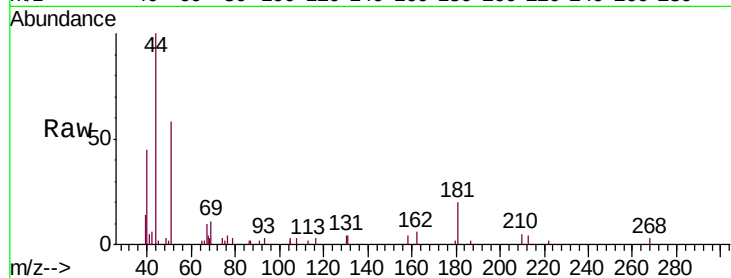
3.08 3.10 3.12 3.14



#3
Chlorodifluoromethane
Concen: 0.054 ppbv
RT: 3.05 min Scan# 610
Delta R.T. -0.00 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

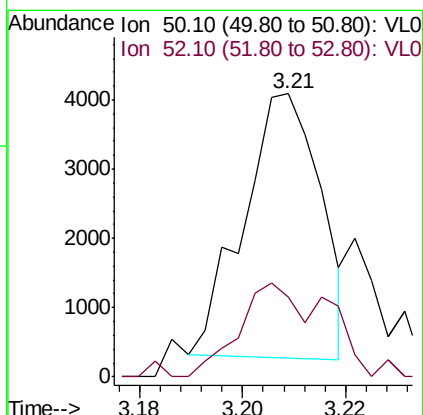
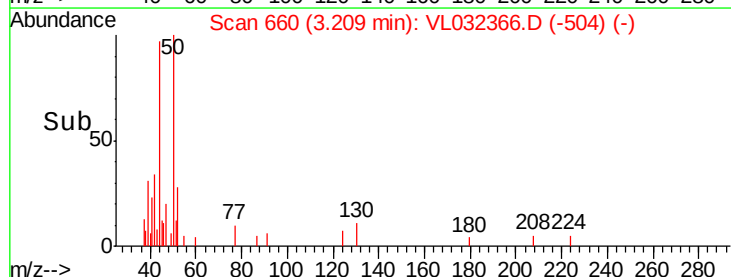
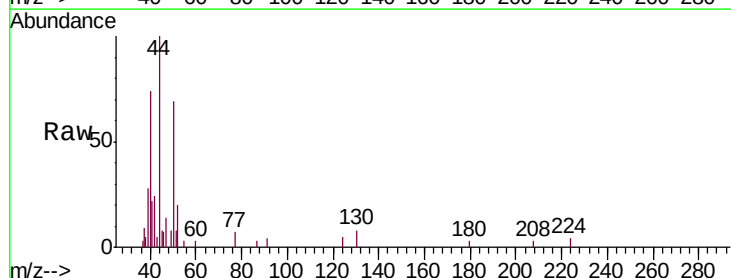
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDP

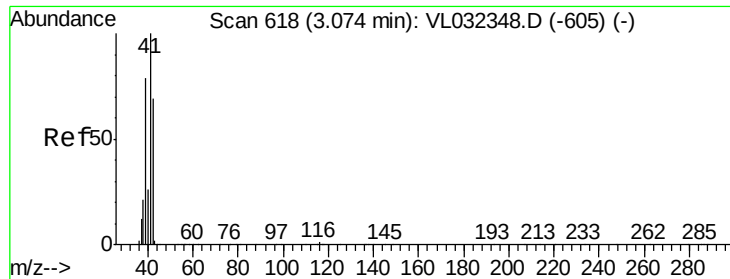
Tgt Ion: 51 Resp: 9985
Ion Ratio Lower Upper
51 100
67 15.4 13.7 20.5



#4
Chloromethane
Concen: 0.036 ppbv
RT: 3.21 min Scan# 660
Delta R.T. -0.00 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

Tgt Ion: 50 Resp: 3955
Ion Ratio Lower Upper
50 100
52 30.9 26.8 40.2





#9

Propene

Concen: 18.966 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.20 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

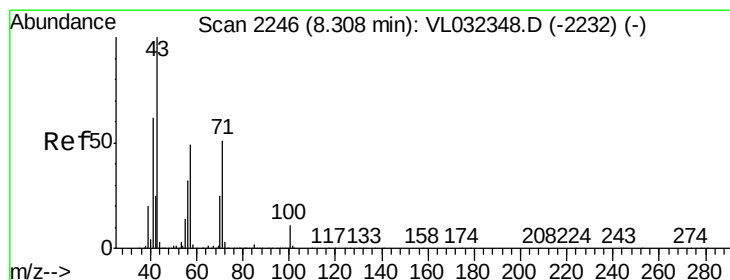
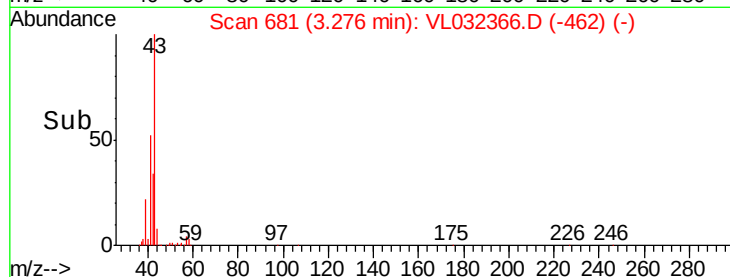
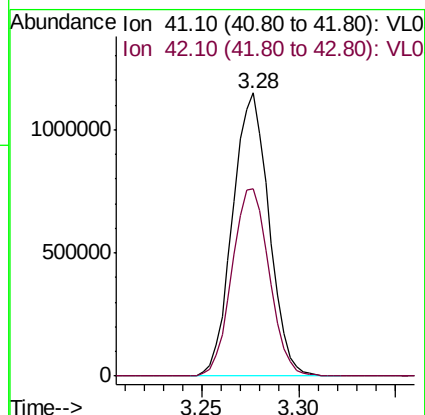
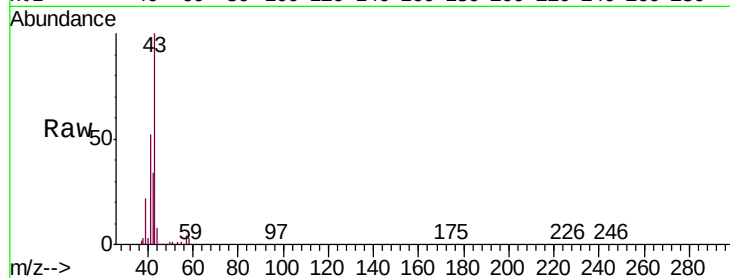
SS08-MIVIDLDP

Tgt Ion: 41 Resp: 1493159

Ion Ratio Lower Upper

41 100

42 67.7 55.9 83.9



#10

Heptane

Concen: 11.837 ppbv

RT: 8.31 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VL032366.D

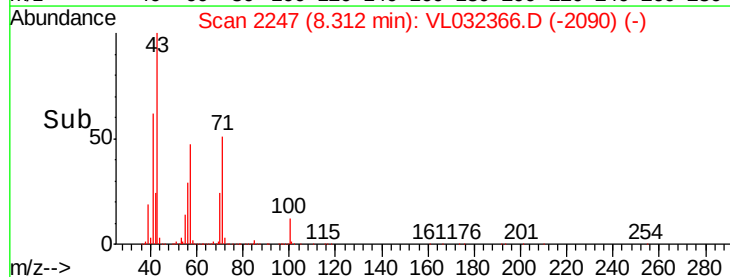
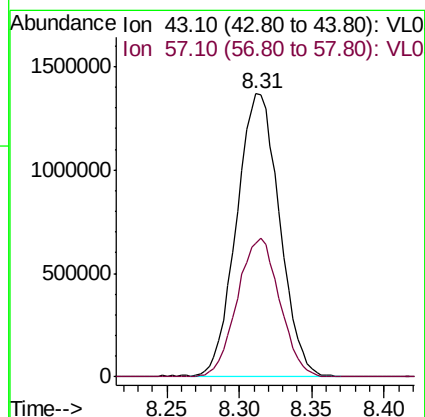
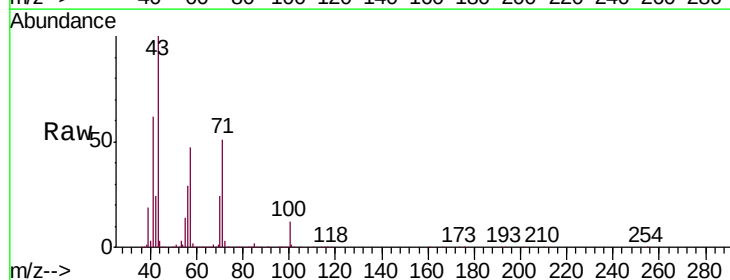
Acq: 16 Aug 2018 1:10

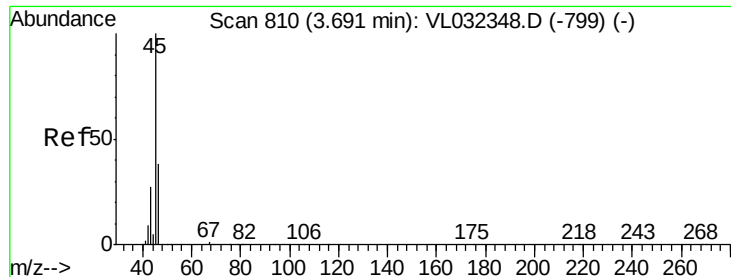
Tgt Ion: 43 Resp: 2807003

Ion Ratio Lower Upper

43 100

57 48.7 39.5 59.3

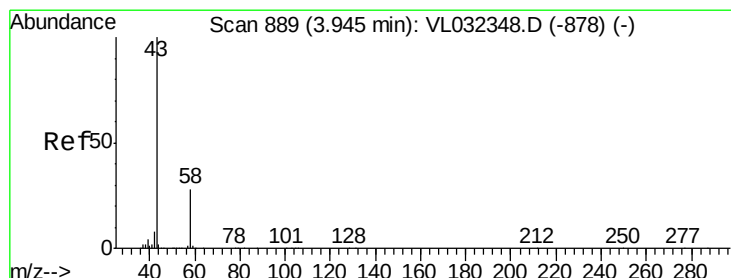
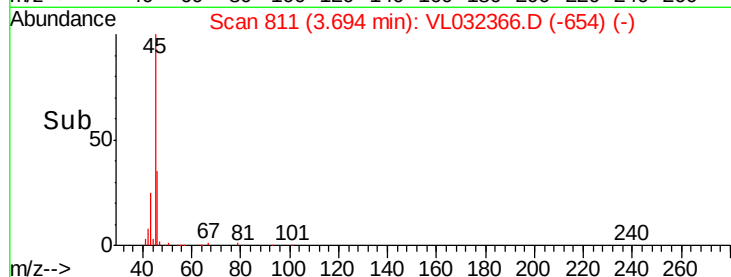
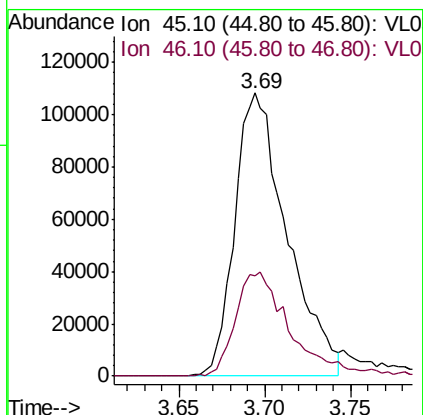
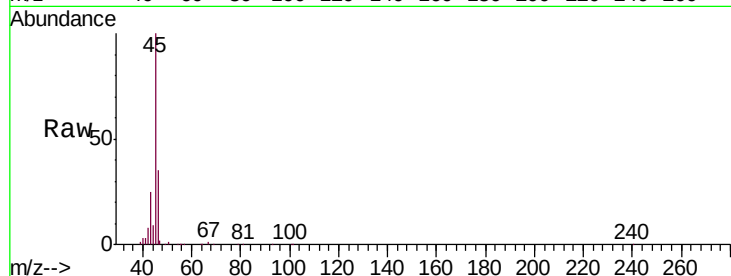




#13
Ethanol
Concen: 11.252 ppbv
RT: 3.69 min Scan# 811
Delta R.T. 0.00 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

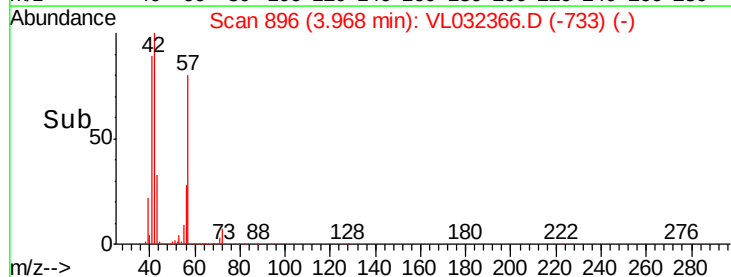
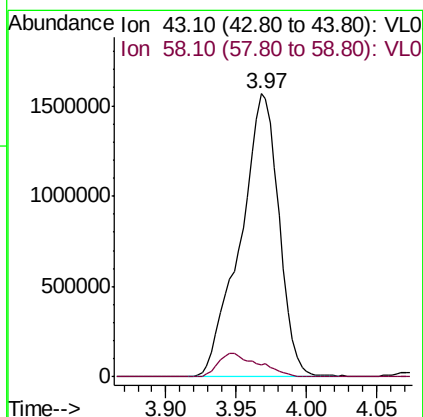
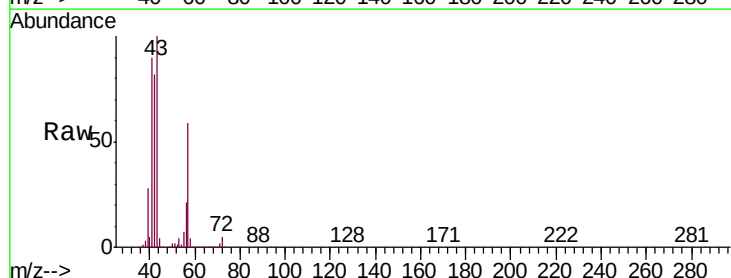
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

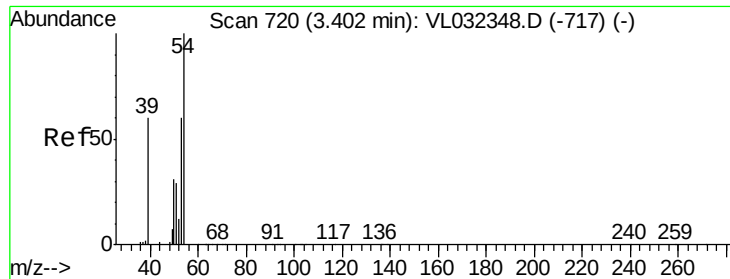
Tgt Ion: 45 Resp: 227521
Ion Ratio Lower Upper
45 100
46 39.4 15.6 62.4



#15
Acetone
Concen: 15.894 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.02 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

Tgt Ion: 43 Resp: 2998804
Ion Ratio Lower Upper
43 100
58 8.9 22.4 33.6#





#16

1,3-Butadiene

Concen: 0.273 ppbv

RT: 3.39 min Scan# 715

Delta R.T. -0.02 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

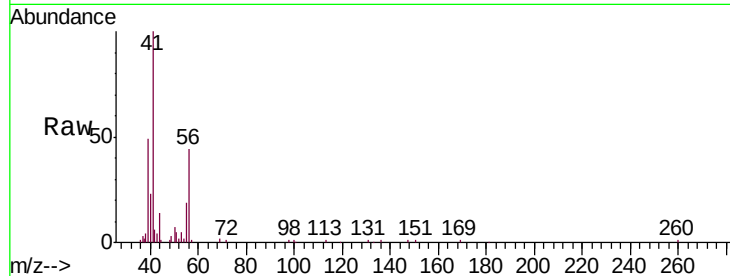
SS08-MIVIDLDUP

Tgt Ion: 39 Resp: 21242

Ion Ratio Lower Upper

39 100

54 0.0 85.5 128.3#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

300000

250000

200000

150000

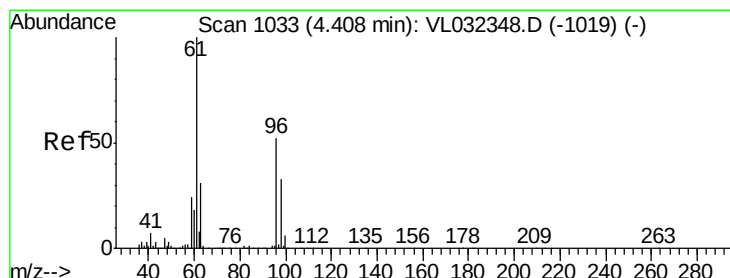
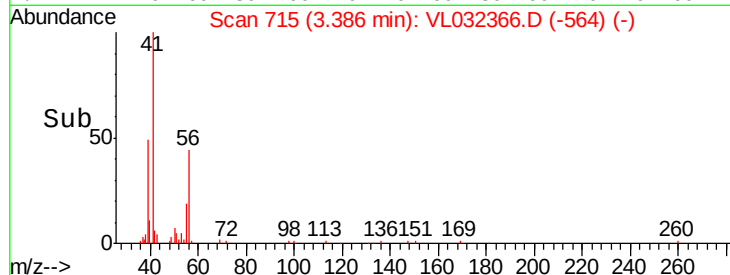
100000

50000

0

3.34 3.36 3.38 3.40

Time-->



#17

tert-Butyl alcohol

Concen: 0.337 ppbv

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VL032366.D

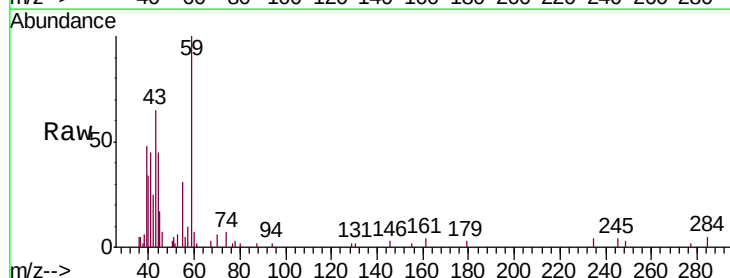
Acq: 16 Aug 2018 1:10

Tgt Ion: 59 Resp: 10684

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

10000

8000

6000

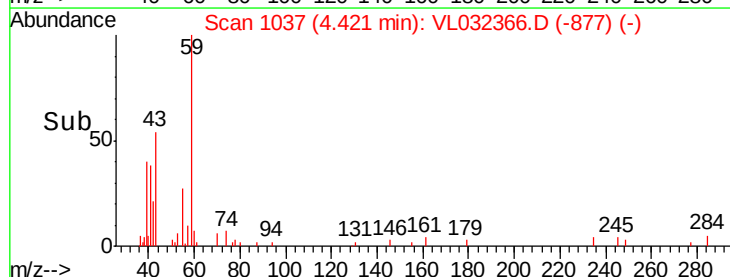
4000

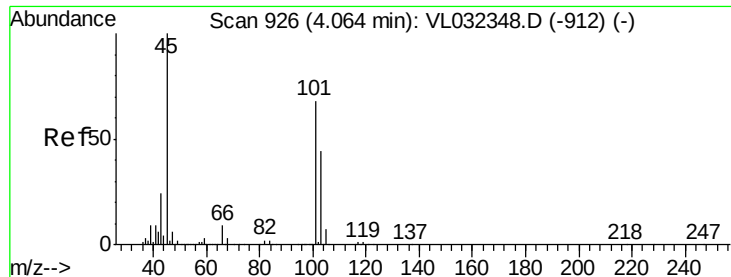
2000

0

4.38 4.40 4.42

Time-->





#19

Isopropyl Alcohol

Concen: 1.642 ppbv

RT: 4.08 min Scan# 930

Delta R.T. 0.01 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

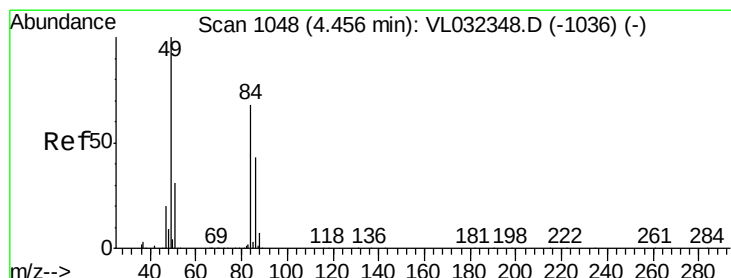
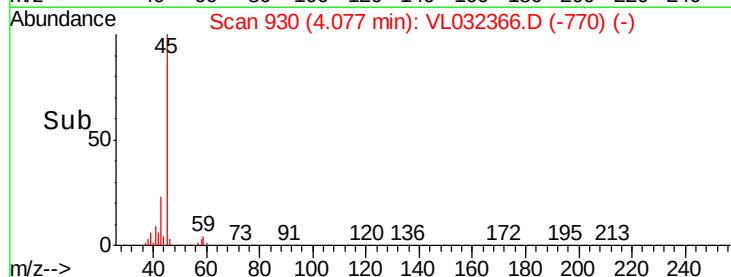
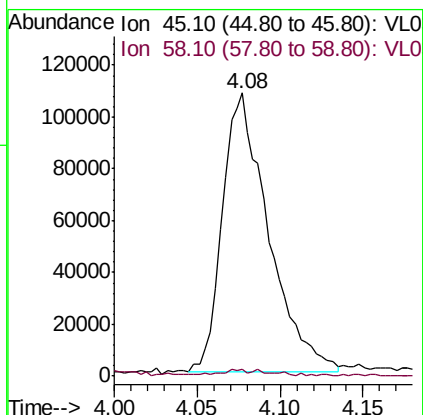
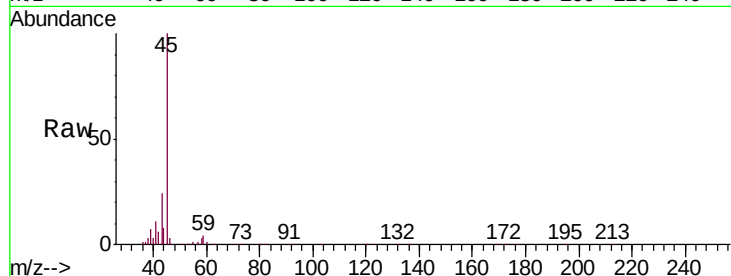
SS08-MIVIDLDUP

Tgt Ion: 45 Resp: 208656

Ion Ratio Lower Upper

45 100

58 127.9 1.4 2.0#



#20

Methylene Chloride

Concen: 0.275 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Tgt Ion: 84 Resp: 19618

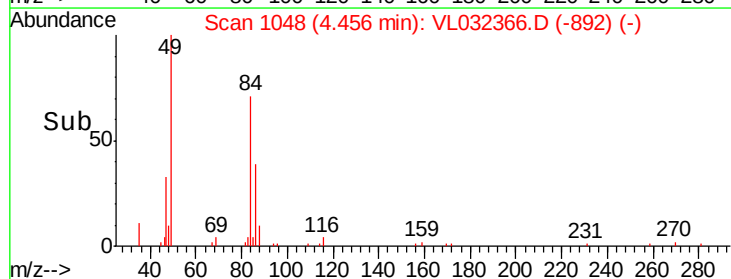
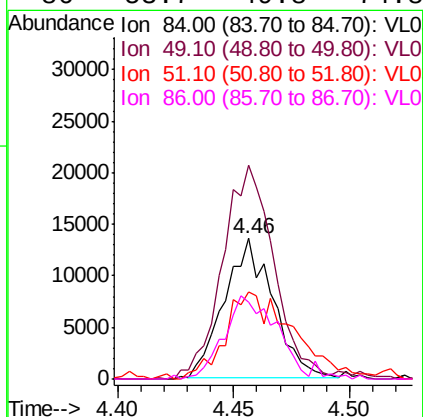
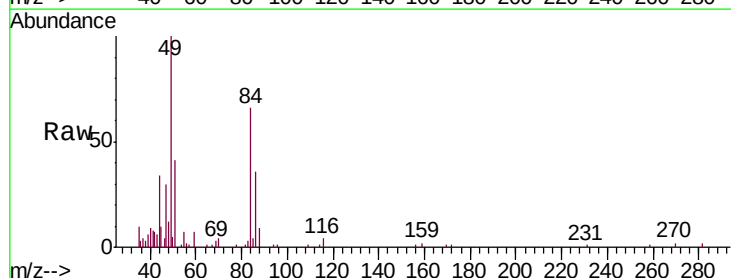
Ion Ratio Lower Upper

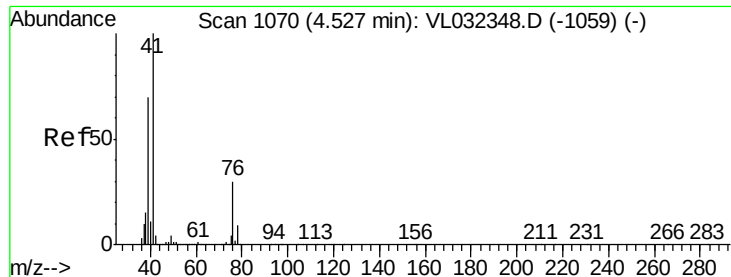
84 100

49 148.0 117.3 175.9

51 58.1 36.6 55.0#

86 53.7 49.8 74.8

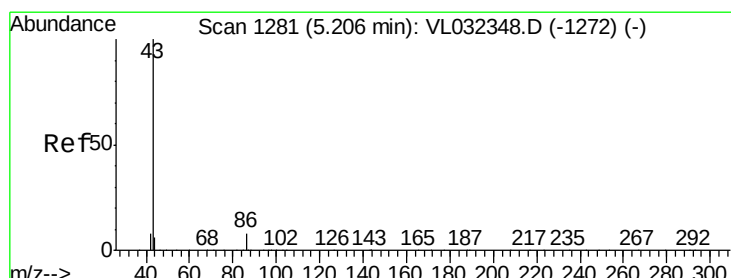
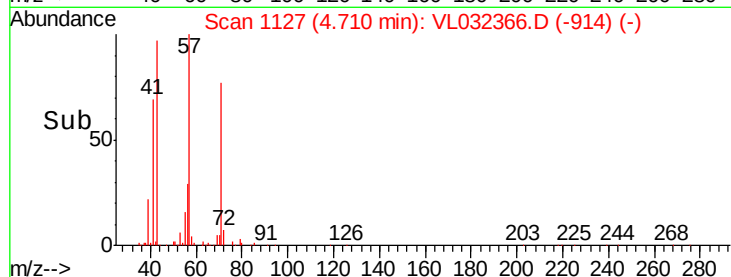
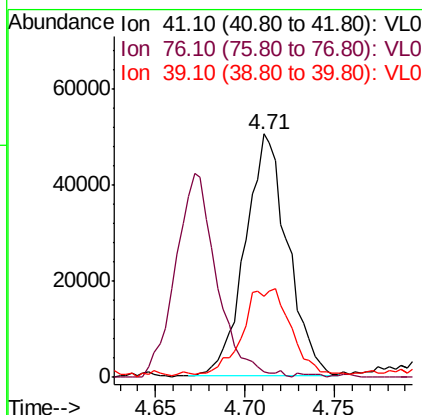
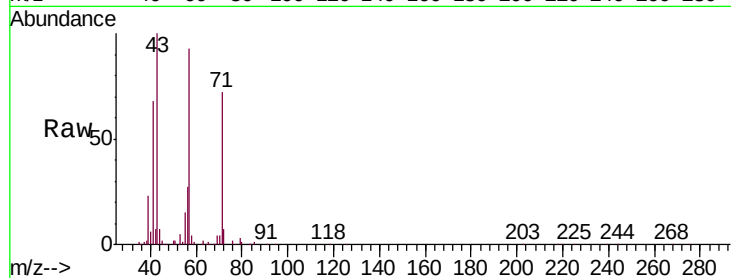




#21
 Allyl Chloride
 Concen: 0.705 ppbv
 RT: 4.71 min Scan# 1127
 Delta R.T. 0.18 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

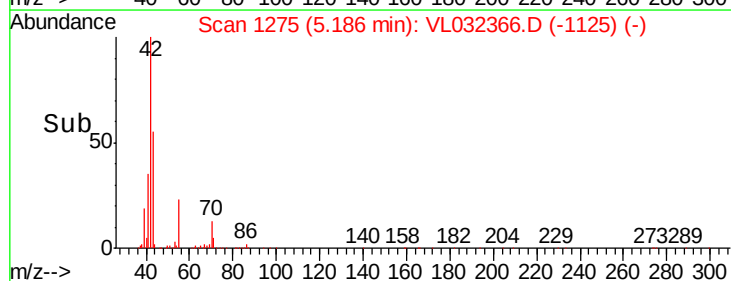
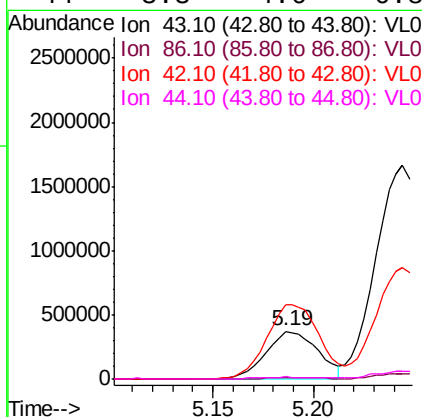
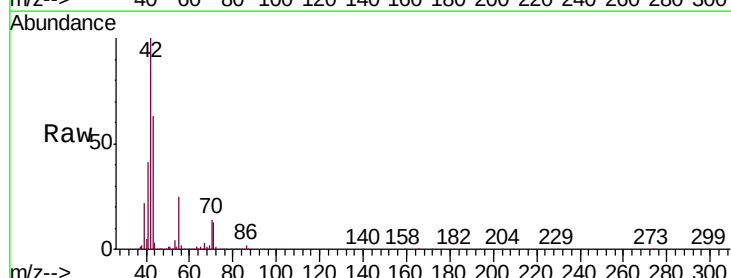
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDLDP

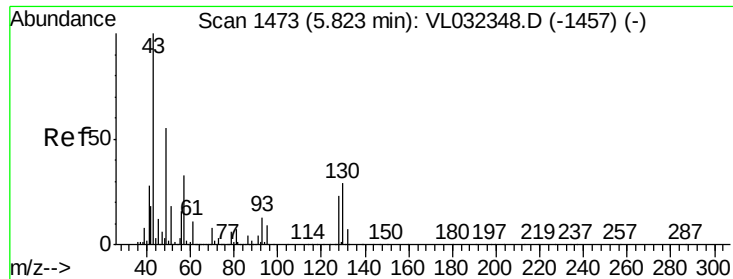
Tgt Ion: 41 Resp: 83987
 Ion Ratio Lower Upper
 41 100
 76 81.8 22.9 34.3#
 39 39.7 57.6 86.4#



#23
 Vinyl Acetate
 Concen: 2.023 ppbv
 RT: 5.19 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

Tgt Ion: 43 Resp: 659250
 Ion Ratio Lower Upper
 43 100
 86 3.3 5.5 8.3#
 42 157.9 7.0 10.6#
 44 3.3 4.6 6.8#

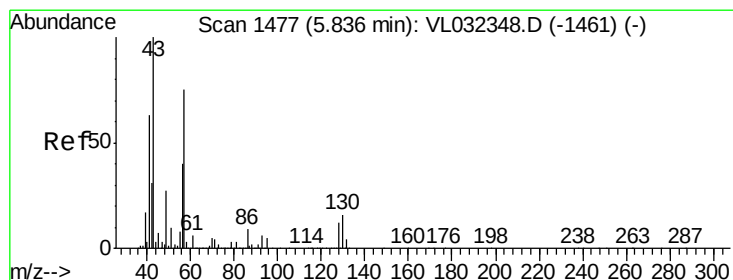
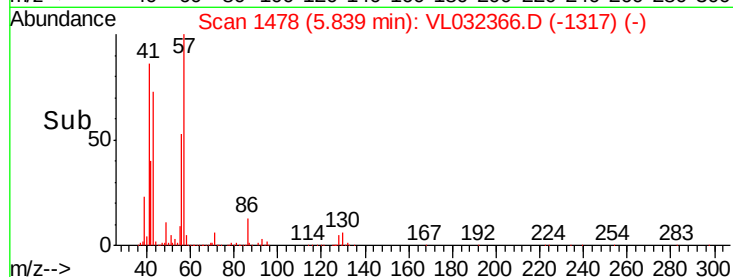
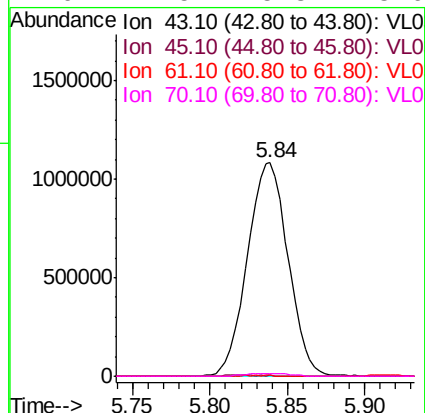
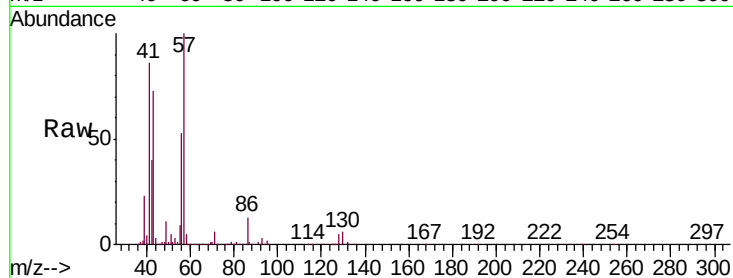




#25
Ethyl Acetate
Concen: 4.891 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.02 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

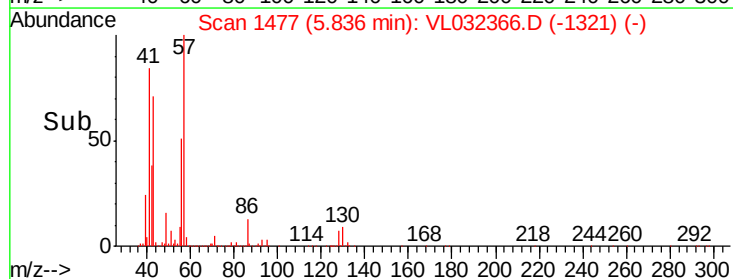
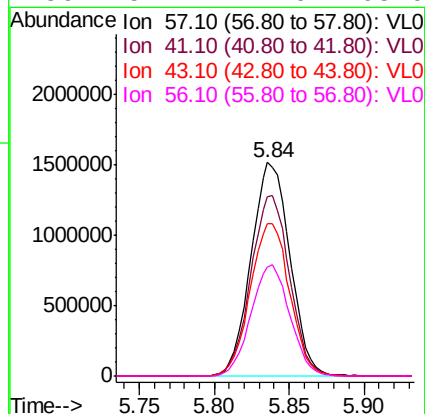
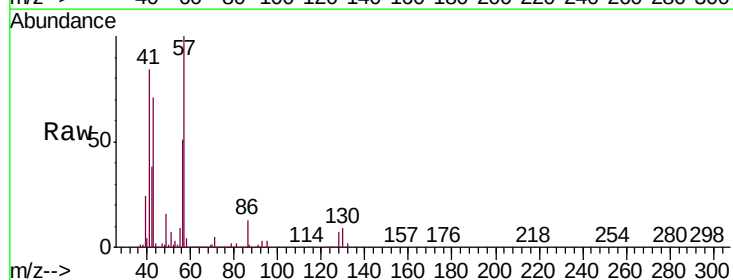
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

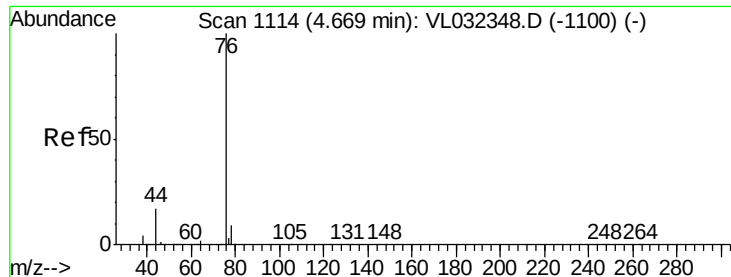
Tgt Ion:	43	Resp:	1977500
Ion	Ratio	Lower	Upper
43	100		
45	0.6	7.9	11.9#
61	0.4	7.4	11.2#
70	1.5	5.8	8.6#



#26
Hexane
Concen: 15.193 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

Tgt Ion:	57	Resp:	2738642
Ion	Ratio	Lower	Upper
57	100		
41	84.1	68.0	102.0
43	72.4	175.3	262.9#
56	52.2	42.0	63.0





#27

Carbon Disulfide

Concen: 0.400 ppbv

RT: 4.67 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

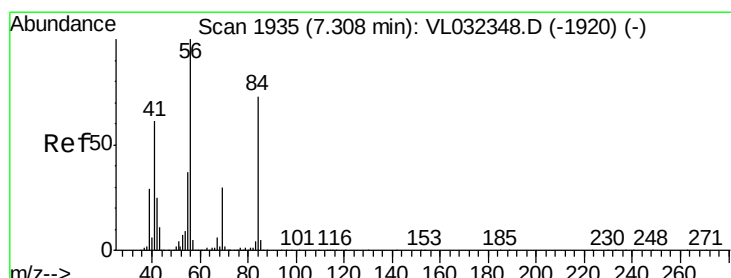
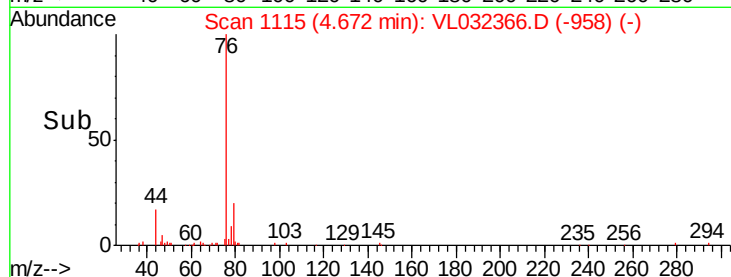
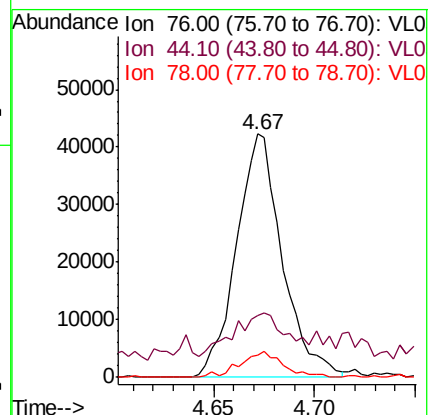
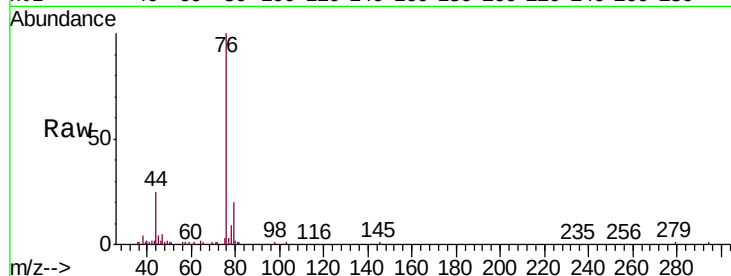
Tgt Ion: 76 Resp: 67222

Ion Ratio Lower Upper

76 100

44 20.9 14.4 21.6

78 10.2 7.4 11.0



#30

Cyclohexane

Concen: 16.428 ppbv

RT: 7.31 min Scan# 1935

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

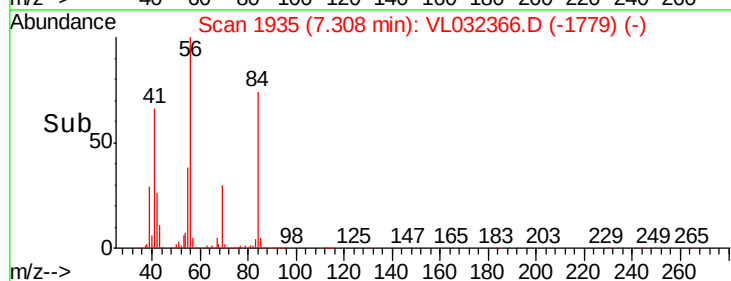
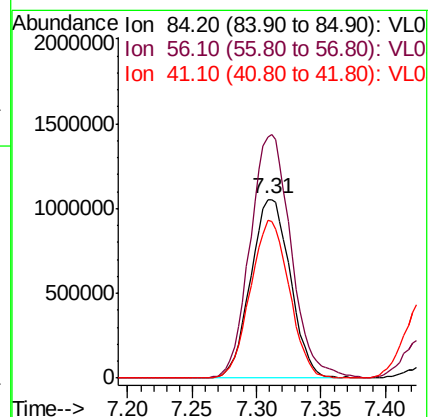
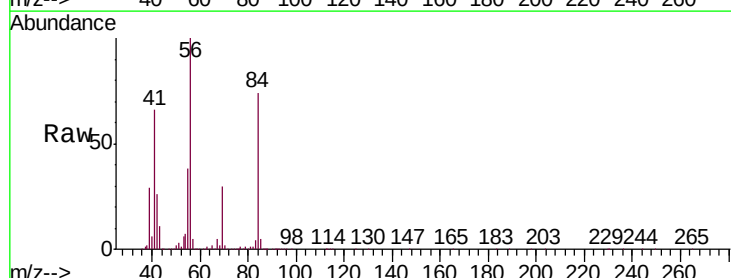
Tgt Ion: 84 Resp: 2255652

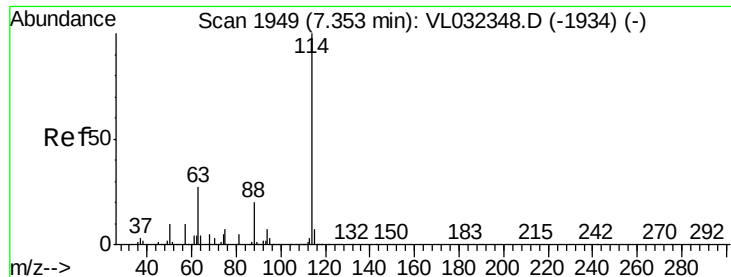
Ion Ratio Lower Upper

84 100

56 141.0 115.7 173.5

41 86.4 67.9 101.9

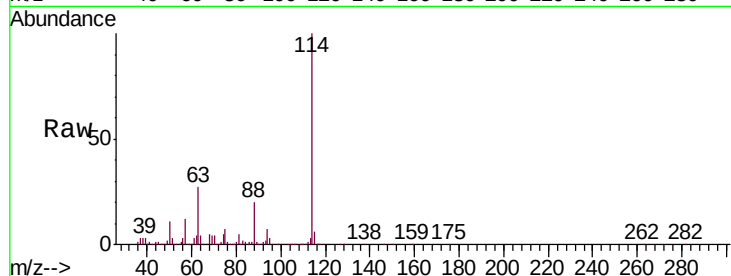




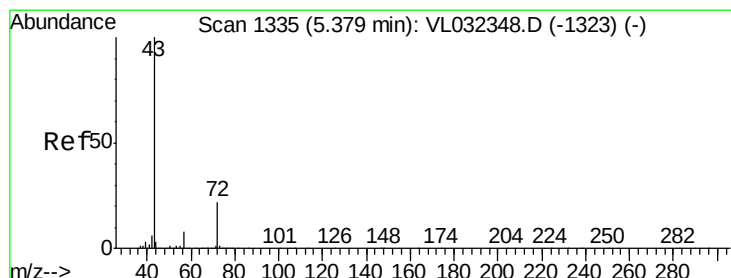
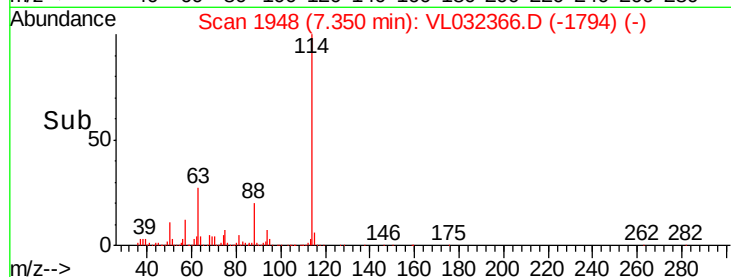
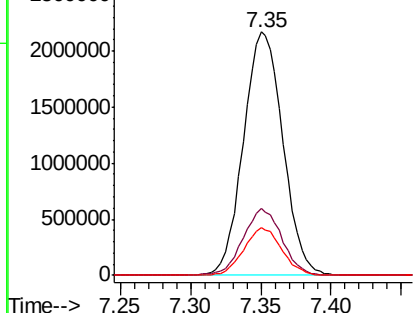
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDLDP

Tgt Ion: 114 Resp: 4241908
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.0 33.0
 88 18.7 15.3 22.9

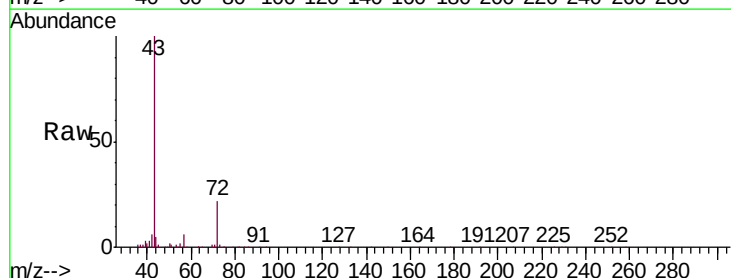


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

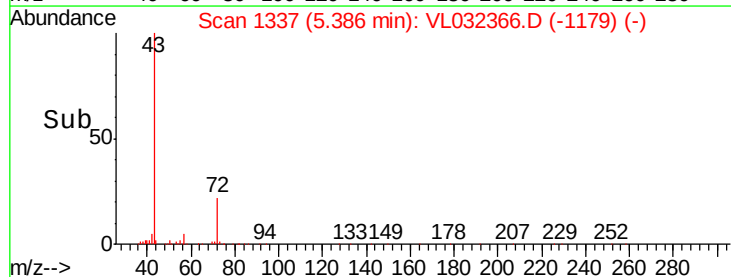
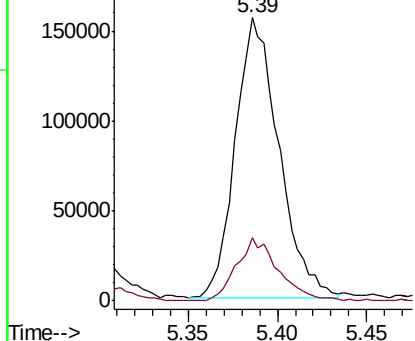


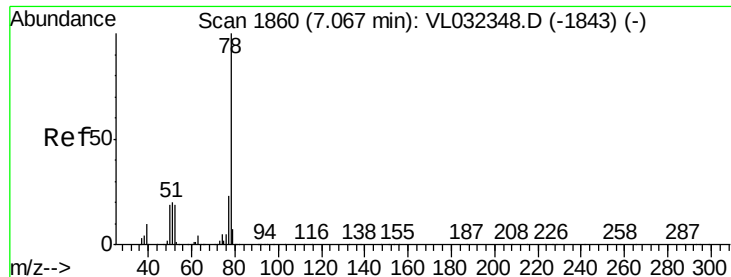
#34
 2-Butanone
 Concen: 0.916 ppbv
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

Tgt Ion: 43 Resp: 264512
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 2.459 ppbv

RT: 7.06 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

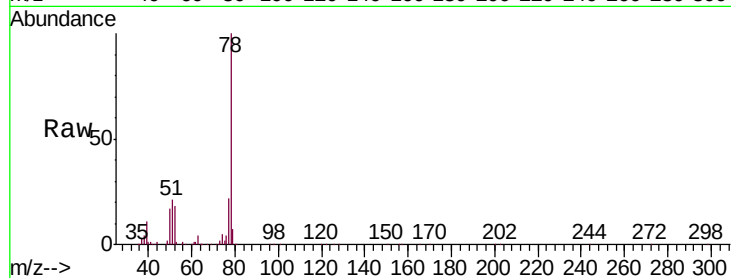
Tgt Ion: 78 Resp: 884316

Ion Ratio Lower Upper

78 100

77 21.8 18.0 27.0

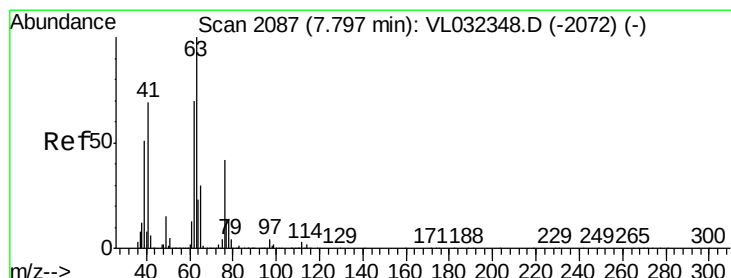
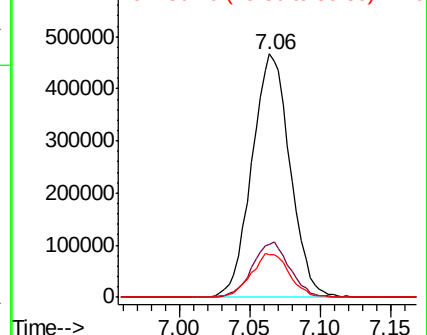
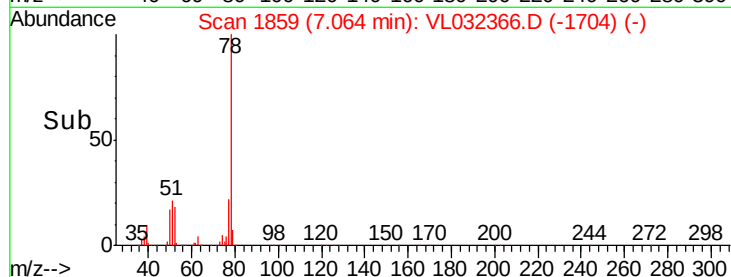
50 17.2 15.1 22.7



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



#39

1,2-Dichloropropane

Concen: 7.553 ppbv

RT: 7.35 min Scan# 1948

Delta R.T. -0.45 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

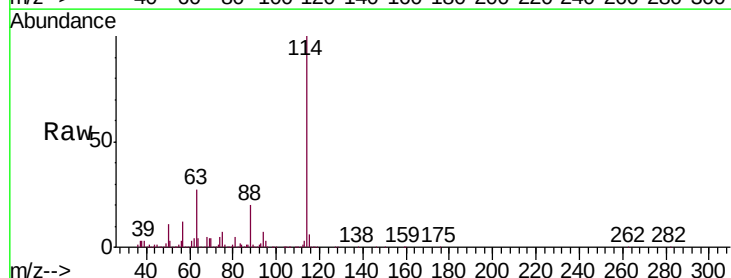
Tgt Ion: 63 Resp: 1134685

Ion Ratio Lower Upper

63 100

41 0.0 55.5 83.3#

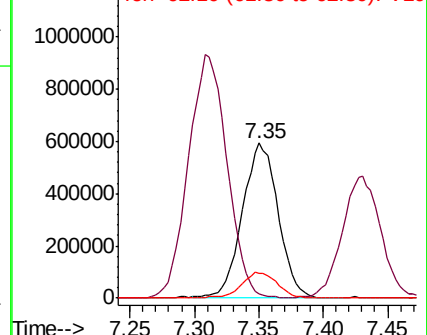
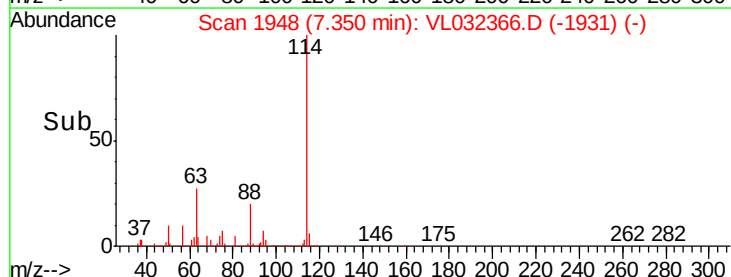
62 15.7 56.3 84.5#

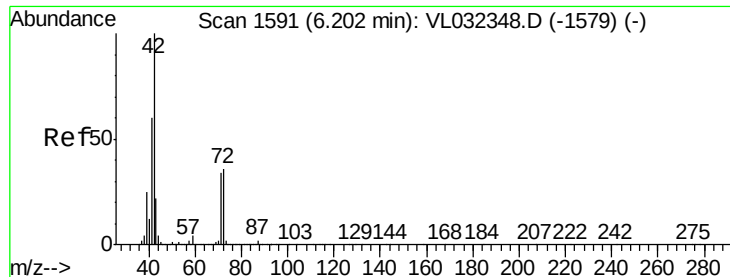


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 4.006 ppbv

RT: 6.49 min Scan# 1679

Delta R.T. 0.28 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

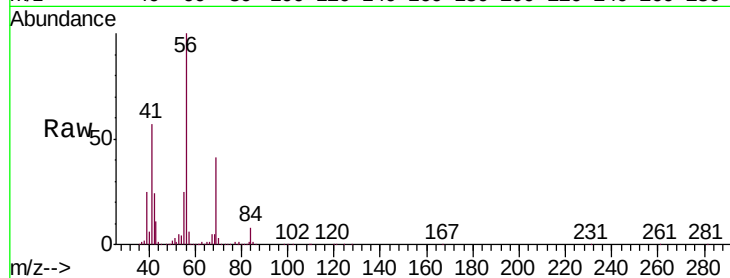
Tgt Ion: 42 Resp: 620926

Ion Ratio Lower Upper

42 100

72 0.1 29.8 44.6#

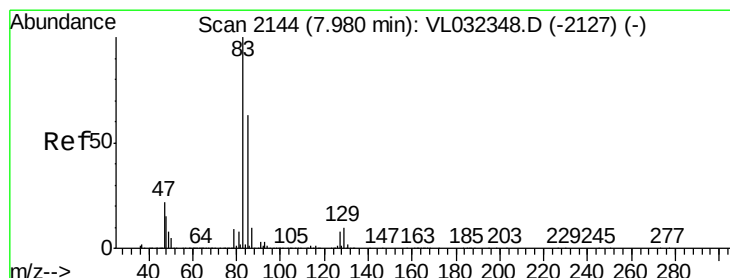
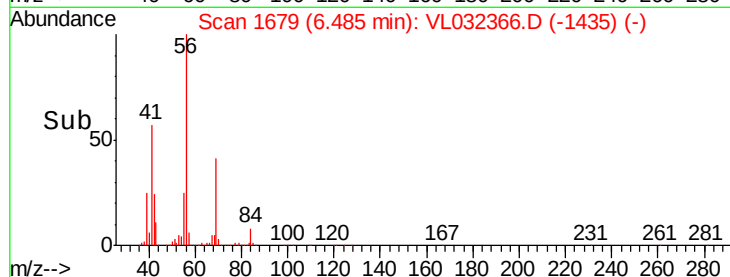
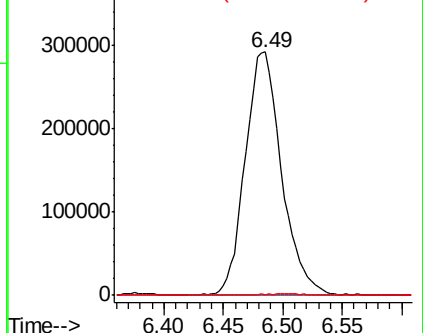
71 0.9 28.2 42.2#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.306 ppbv

RT: 7.98 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

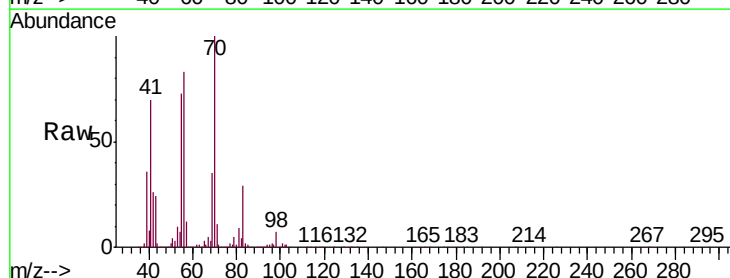
Tgt Ion: 83 Resp: 87312

Ion Ratio Lower Upper

83 100

85 3.5 50.4 75.6#

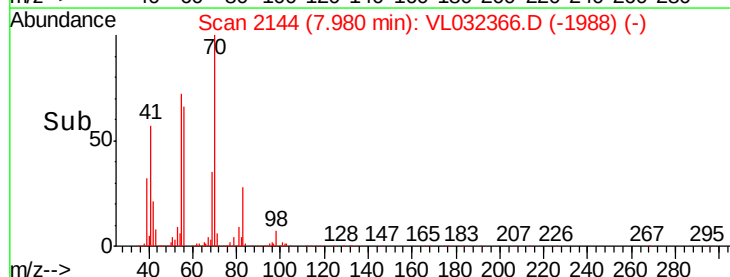
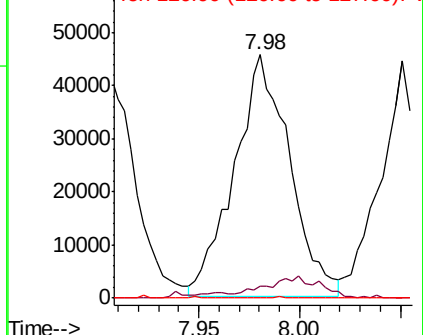
127 0.0 6.1 9.1#

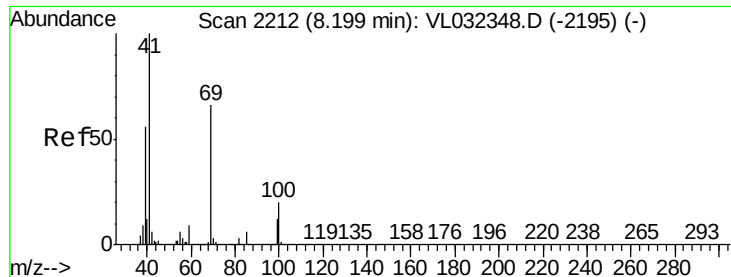


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.044 ppbv

RT: 8.29 min Scan# 2240

Delta R.T. 0.09 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

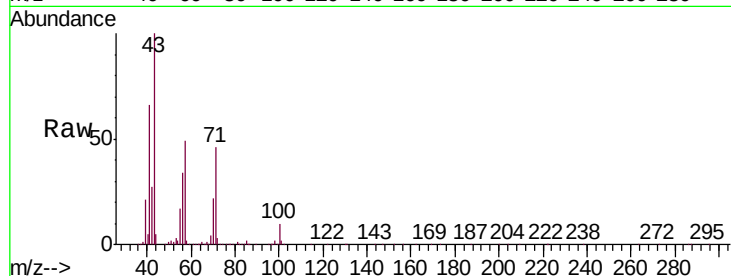
Tgt Ion: 69 Resp: 6374

Ion Ratio Lower Upper

69 100

41 0.0 118.6 177.8#

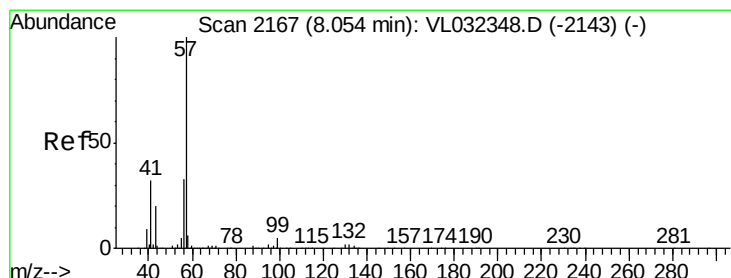
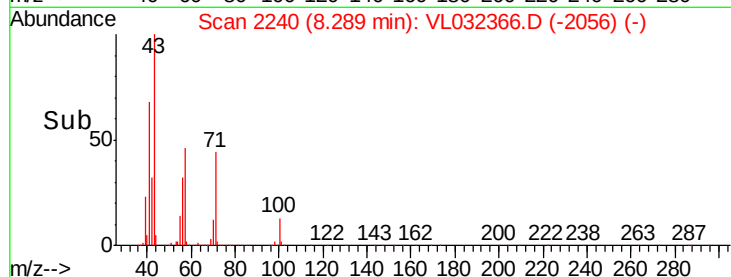
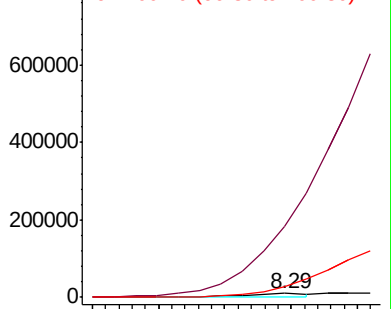
100 0.0 23.4 35.2#



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: 0.162 ppbv

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

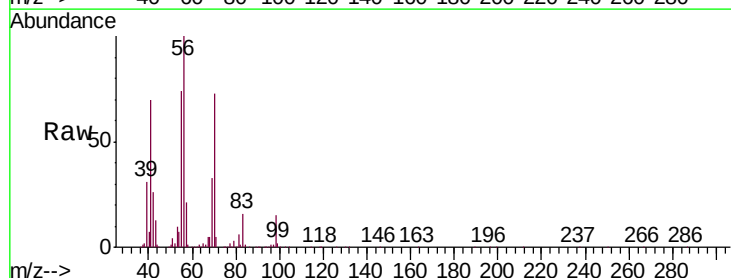
Tgt Ion: 57 Resp: 104864

Ion Ratio Lower Upper

57 100

41 367.5 24.3 36.5#

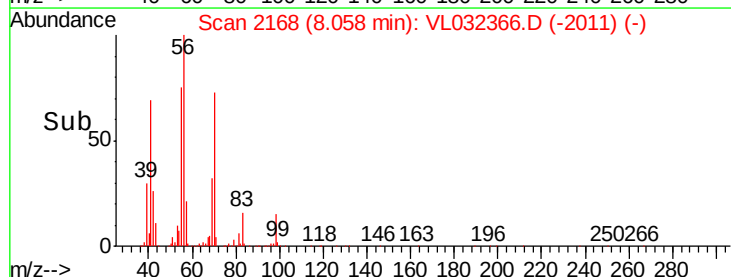
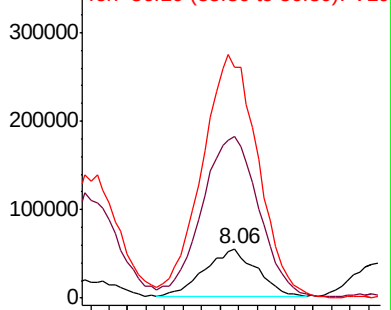
56 548.6 25.7 38.5#

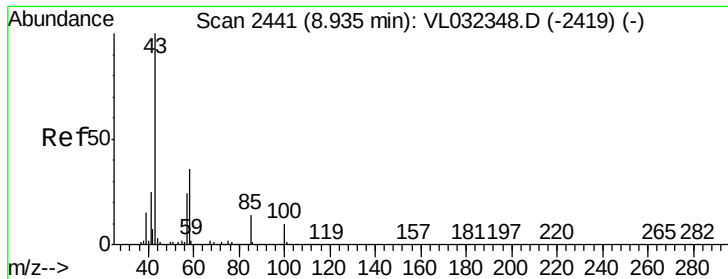


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

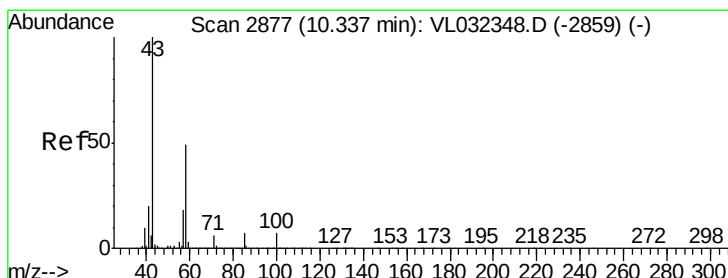
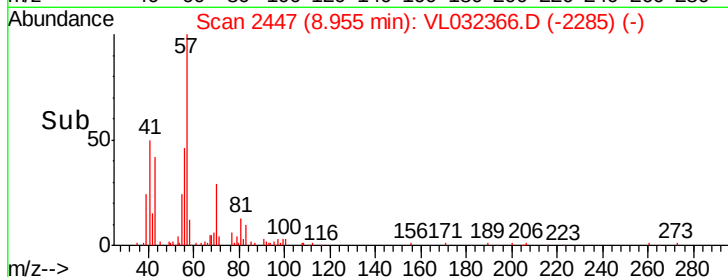
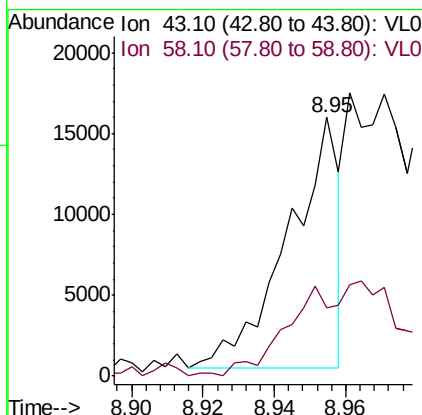
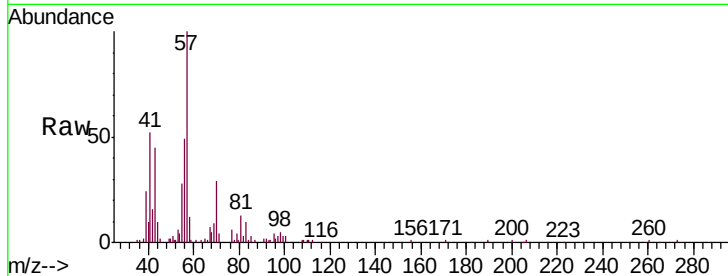




#50
 4-Methyl-2-Pentanone
 Concen: 0.037 ppbv
 RT: 8.95 min Scan# 2447
 Delta R.T. 0.02 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

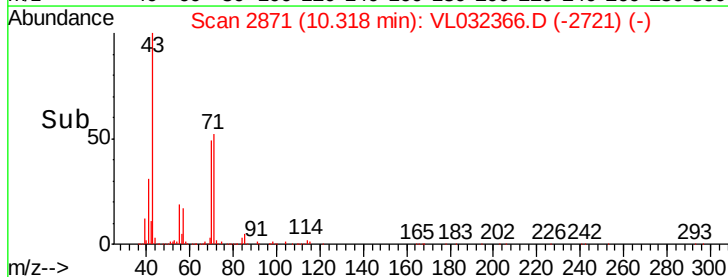
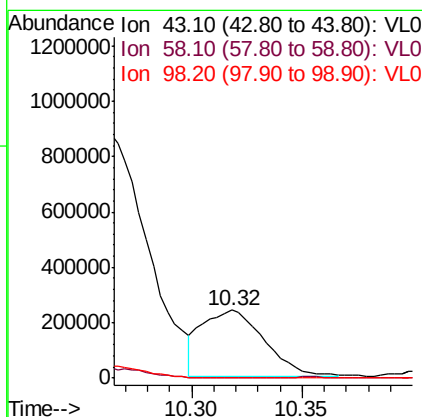
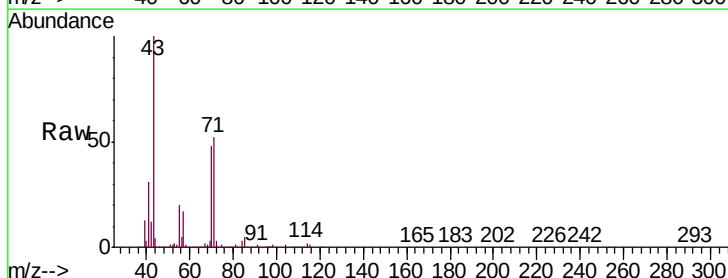
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDLDP

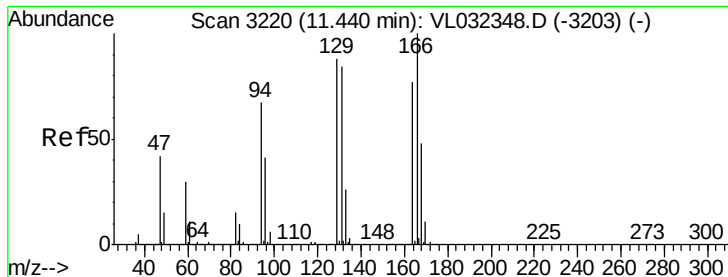
Tgt Ion: 43 Resp: 15376
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.9 43.3#



#51
 2-Hexanone
 Concen: 1.602 ppbv
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.02 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

Tgt Ion: 43 Resp: 469035
 Ion Ratio Lower Upper
 43 100
 58 2.2 39.5 59.3#
 98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 92.162 ppbv

RT: 11.46 min Scan# 3226

Delta R.T. 0.02 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

Tgt Ion:164 Resp: 9774822

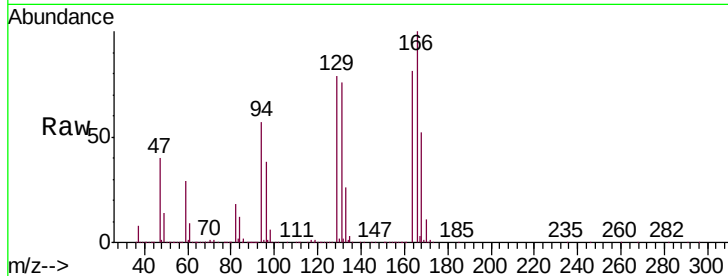
Ion Ratio Lower Upper

164 100

166 123.7 103.5 155.3

129 98.2 90.9 136.3

131 94.0 86.7 130.1



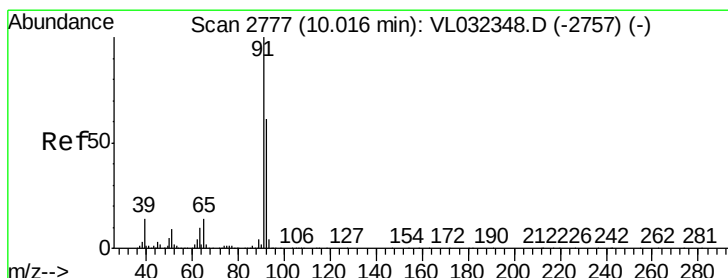
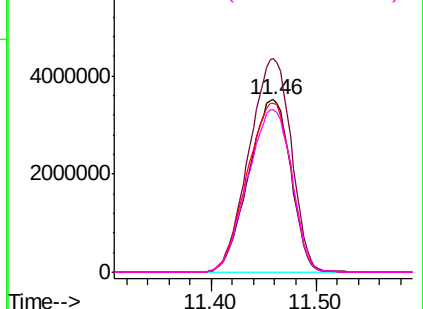
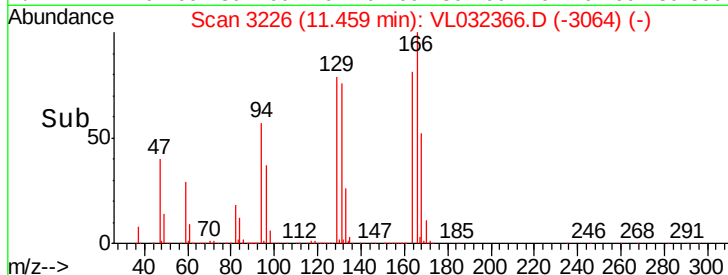
Abundance

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



#53

Toluene

Concen: 14.469 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032366.D

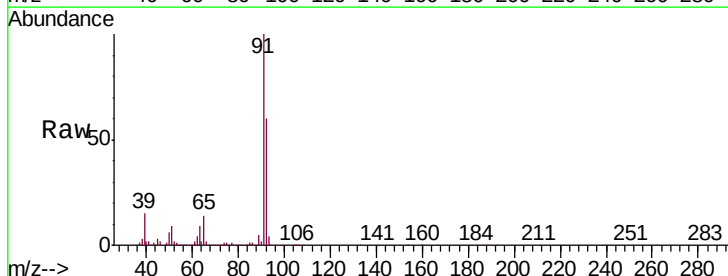
Acq: 16 Aug 2018 1:10

Tgt Ion: 91 Resp: 5704056

Ion Ratio Lower Upper

91 100

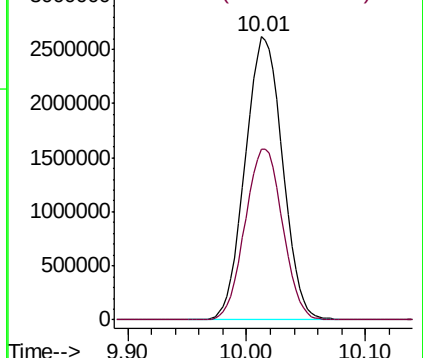
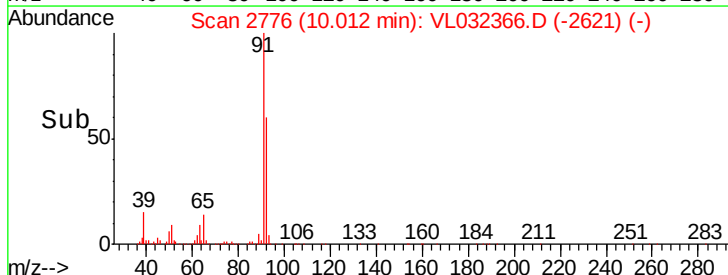
92 60.9 48.7 73.1

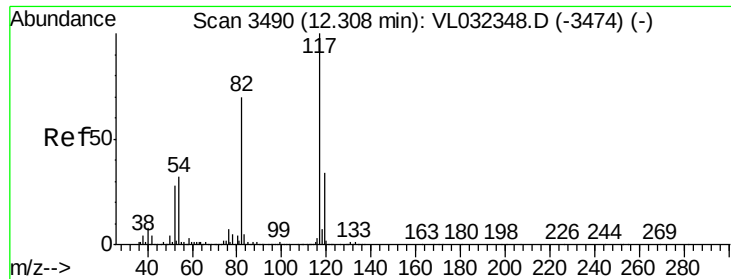


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

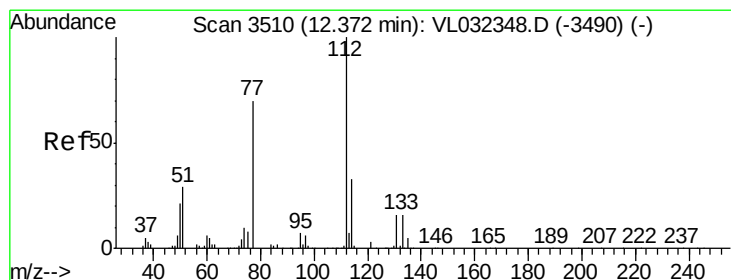
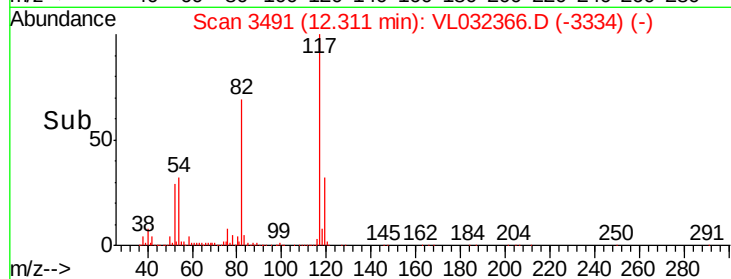
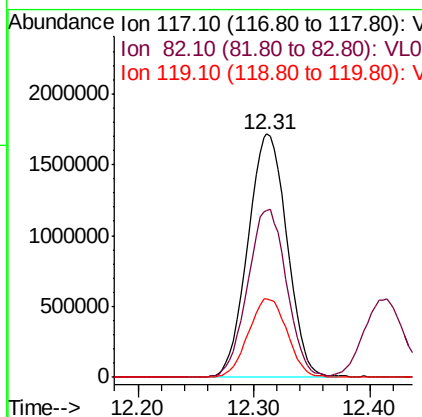
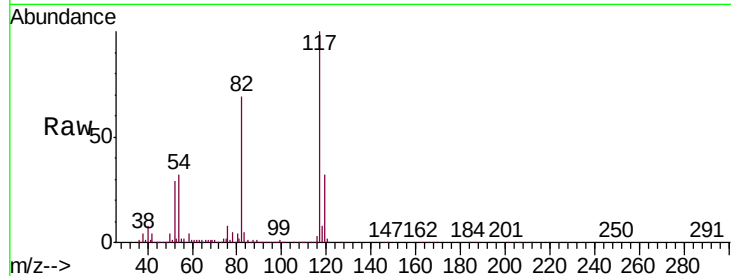




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

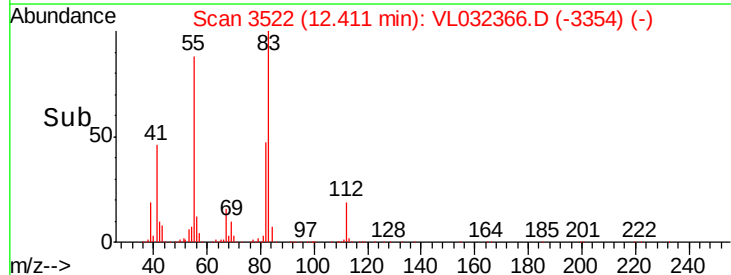
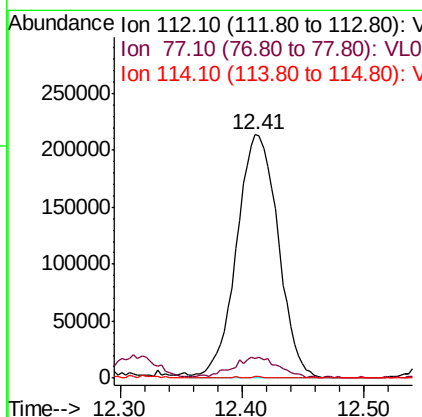
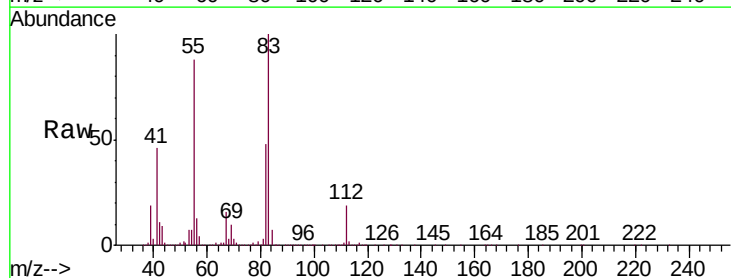
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

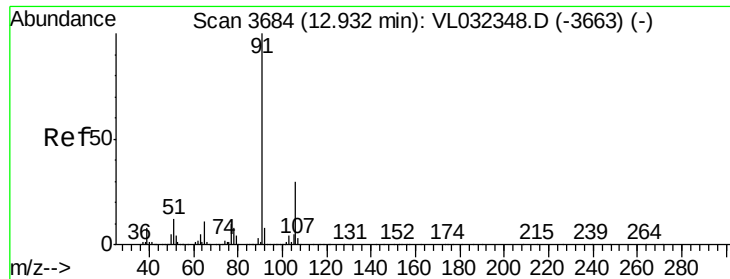
Tgt Ion:117 Resp: 4022004
Ion Ratio Lower Upper
117 100
82 68.9 55.1 82.7
119 32.4 46.0 69.0#



#57
Chlorobenzene
Concen: 1.663 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. 0.04 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

Tgt Ion:112 Resp: 503506
Ion Ratio Lower Upper
112 100
77 7.2 56.6 84.8#
114 0.6 29.4 36.0#





#58

Ethyl Benzene

Concen: 4.470 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

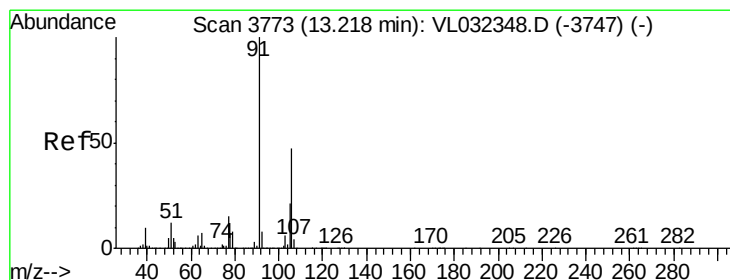
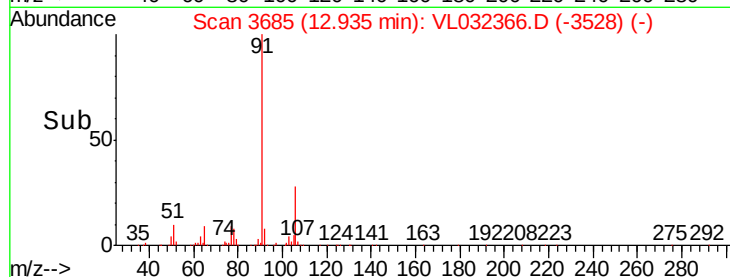
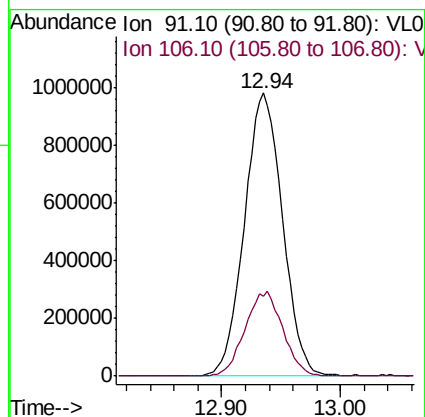
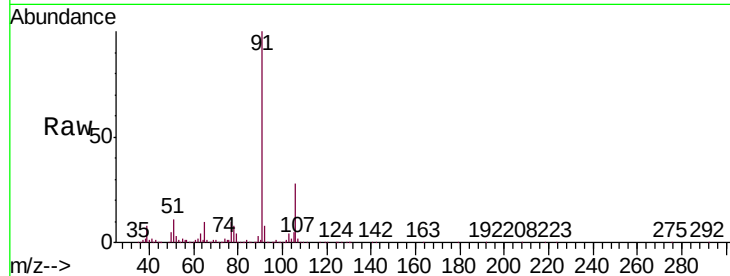
SS08-MIVIDLDP

Tgt Ion: 91 Resp: 2163178

Ion Ratio Lower Upper

91 100

106 28.4 24.3 36.5



#59

m/p-Xylene

Concen: 11.984 ppbv

RT: 13.19 min Scan# 3764

Delta R.T. -0.03 min

Lab File: VL032366.D

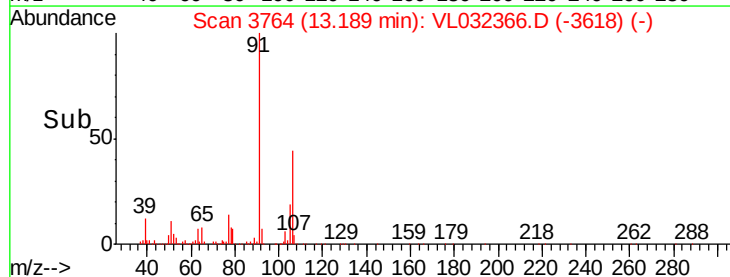
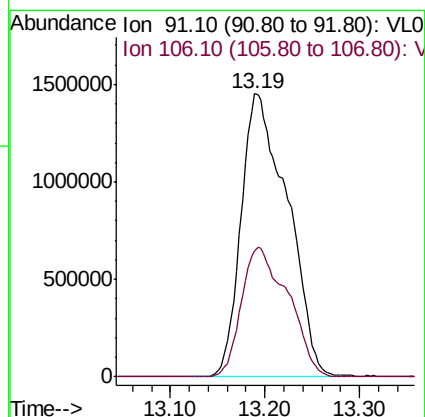
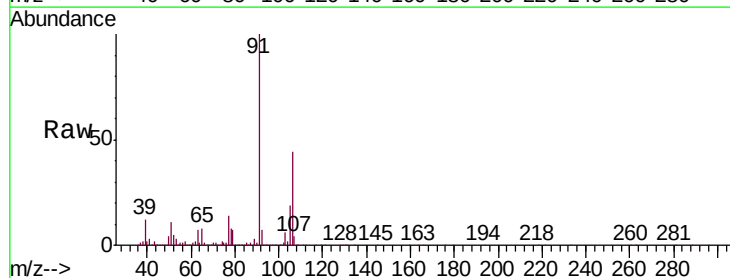
Acq: 16 Aug 2018 1:10

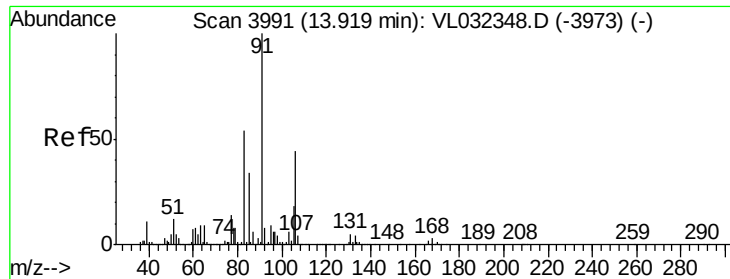
Tgt Ion: 91 Resp: 4926131

Ion Ratio Lower Upper

91 100

106 46.3 37.0 55.4

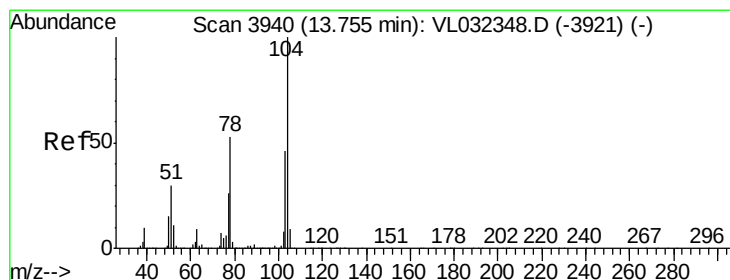
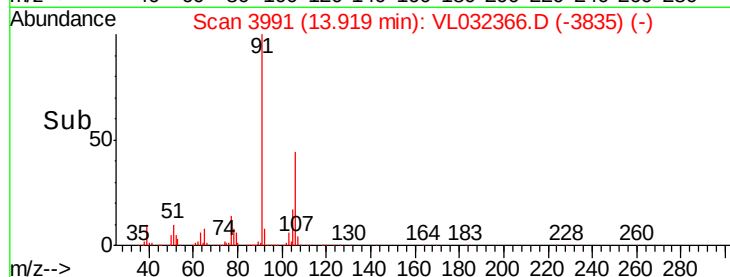
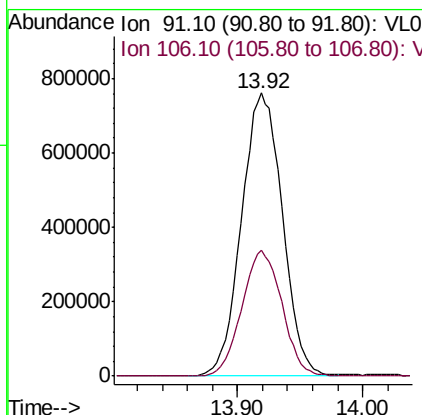
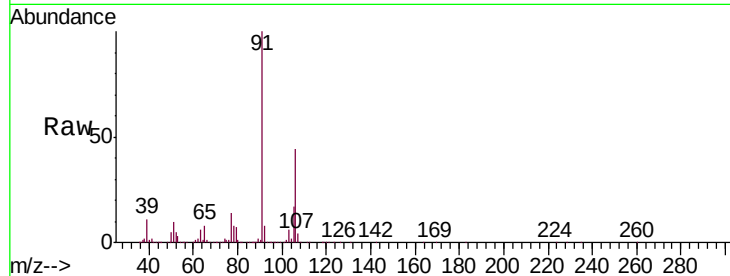




#60
o-Xylene
Concen: 4.272 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. -0.00 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

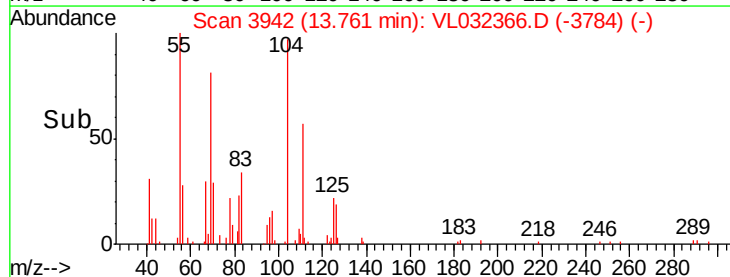
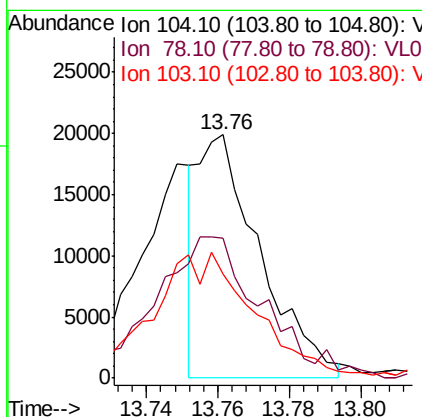
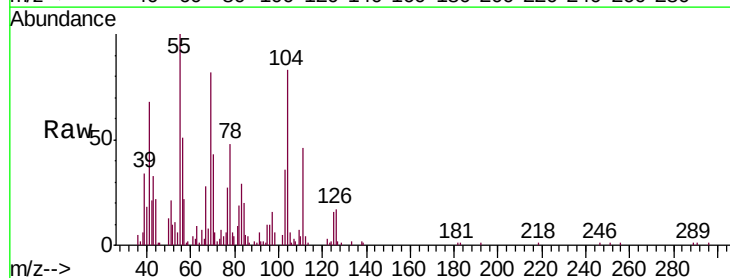
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

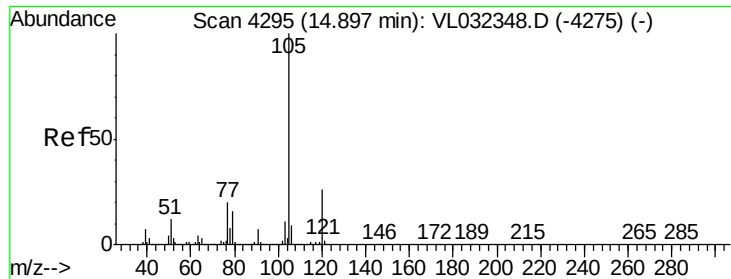
Tgt Ion: 91 Resp: 1725936
Ion Ratio Lower Upper
91 100
106 43.6 22.3 66.8



#61
Styrene
Concen: 0.084 ppbv
RT: 13.76 min Scan# 3942
Delta R.T. 0.01 min
Lab File: VL032366.D
Acq: 16 Aug 2018 1:10

Tgt Ion: 104 Resp: 23812
Ion Ratio Lower Upper
104 100
78 103.9 42.6 64.0#
103 87.2 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.400 ppbv

RT: 14.89 min Scan# 4294

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

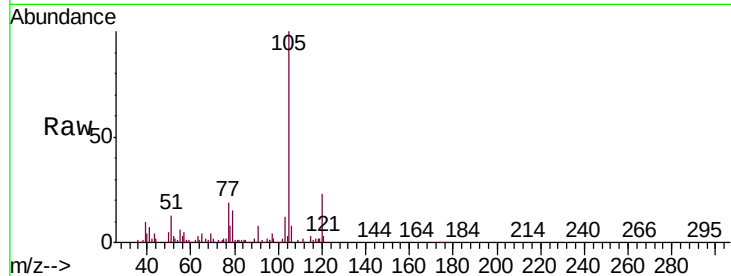
SS08-MIVIDLDUP

Tgt Ion:105 Resp: 229994

Ion Ratio Lower Upper

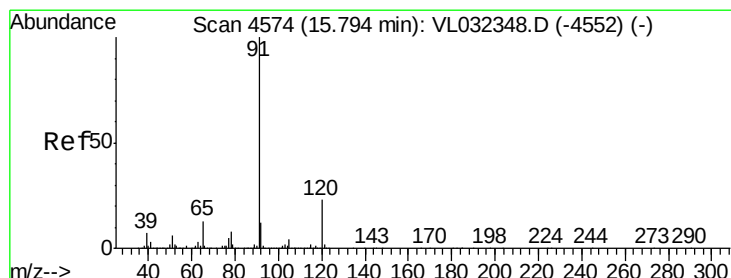
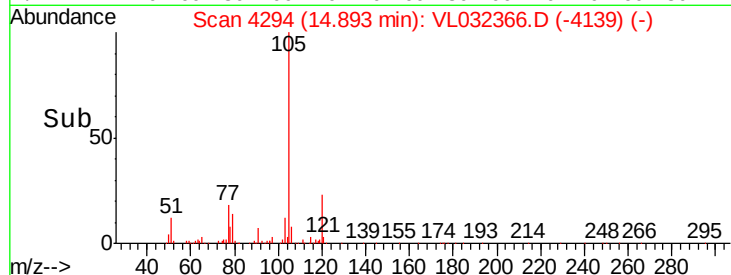
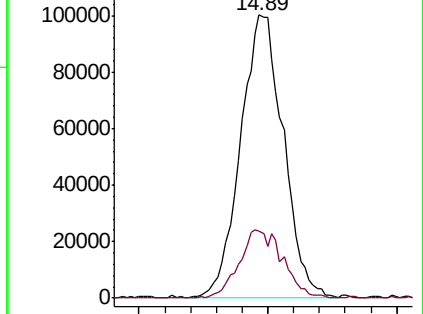
105 100

120 24.7 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.584 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL032366.D

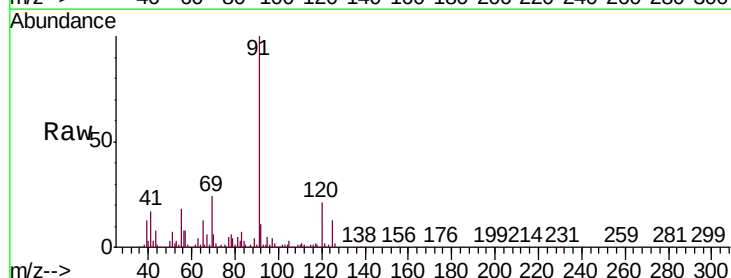
Acq: 16 Aug 2018 1:10

Tgt Ion:120 Resp: 86916

Ion Ratio Lower Upper

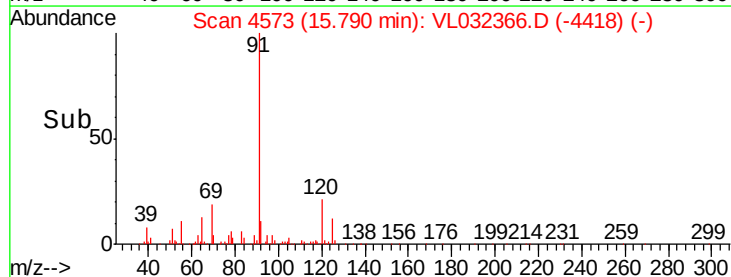
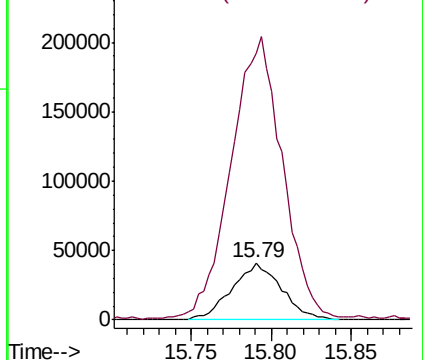
120 100

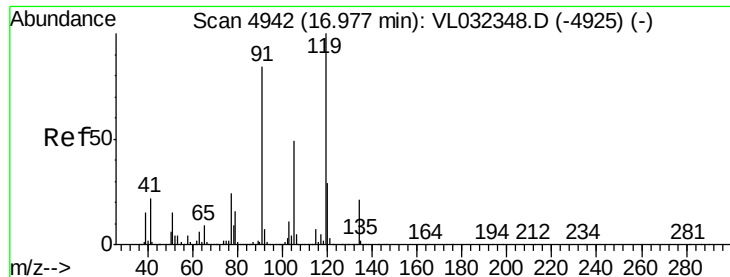
91 513.4 382.2 573.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.431 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.02 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDUP

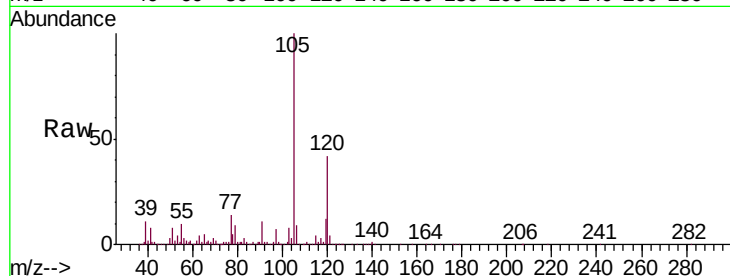
Tgt Ion:119 Resp: 211796

Ion Ratio Lower Upper

119 100

91 106.8 67.4 101.0#

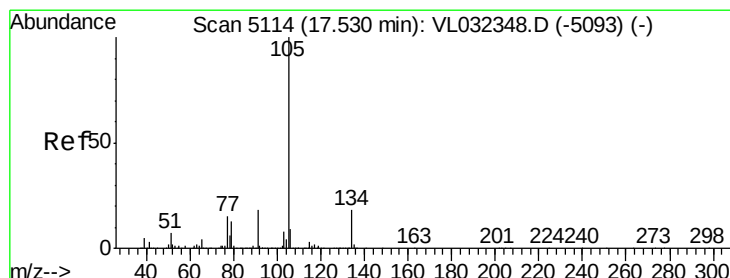
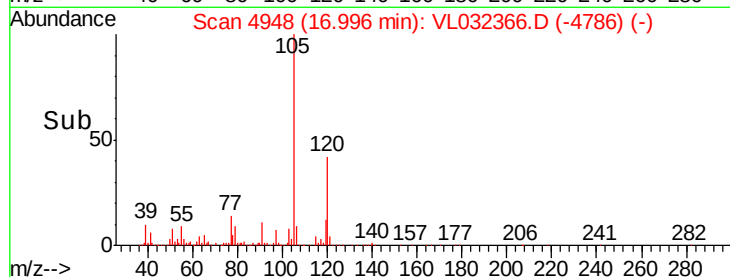
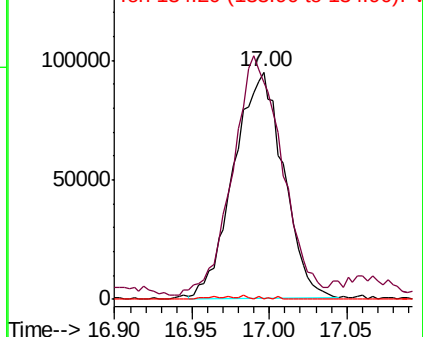
134 1.3 15.8 23.6#



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



#67

sec-Butylbenzene

Concen: 0.088 ppbv

RT: 17.53 min Scan# 5113

Delta R.T. -0.00 min

Lab File: VL032366.D

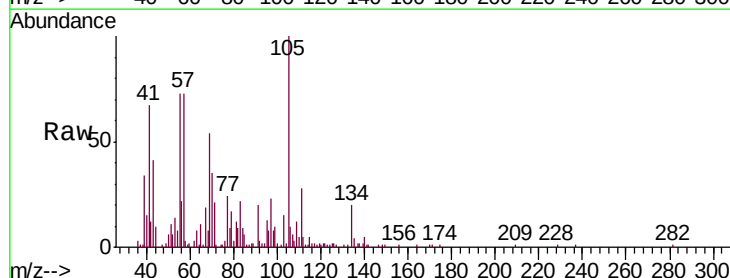
Acq: 16 Aug 2018 1:10

Tgt Ion:105 Resp: 64634

Ion Ratio Lower Upper

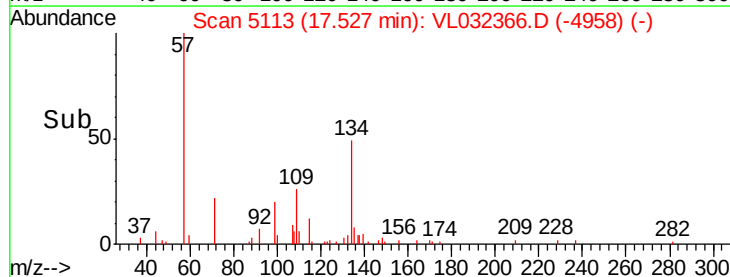
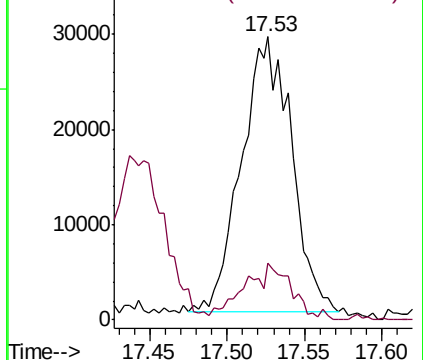
105 100

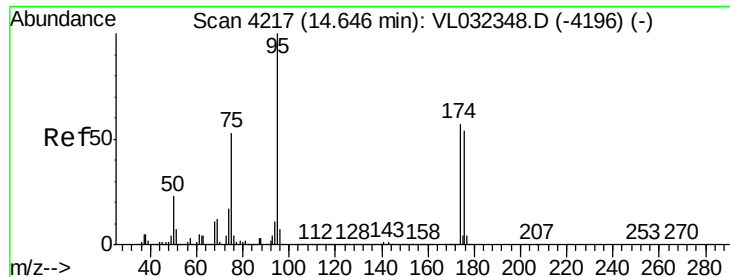
134 20.2 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

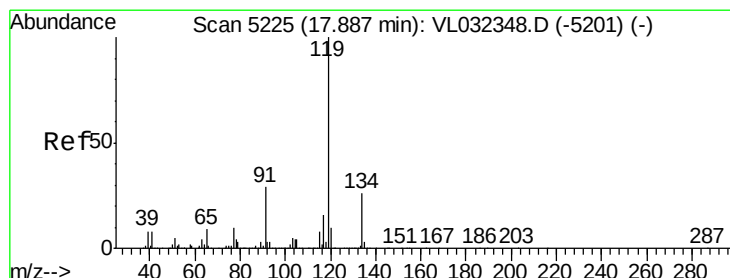
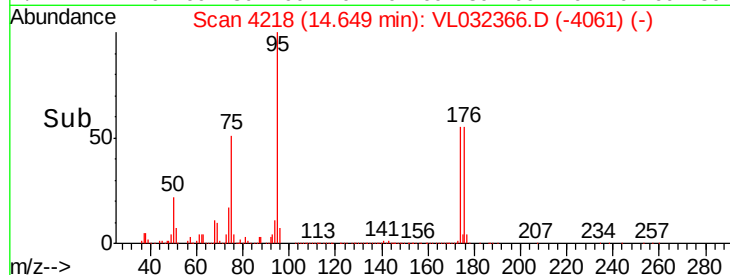
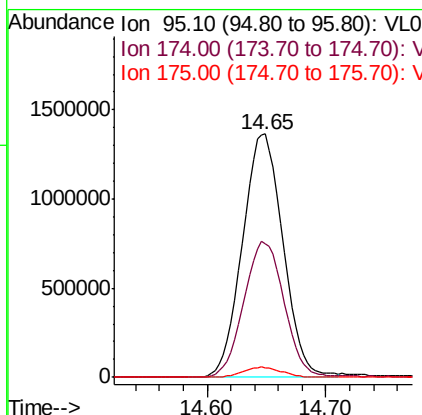
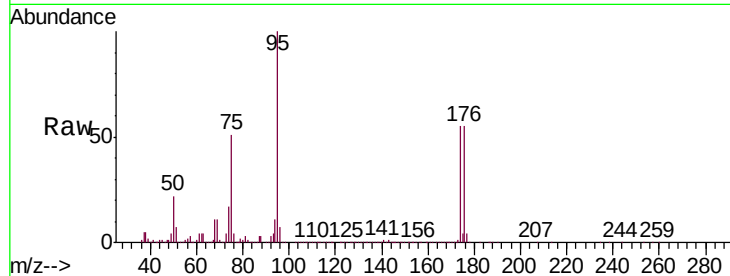




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.500 ppbv
 RT: 14.65 min Scan# 4218
 Delta R.T. 0.00 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

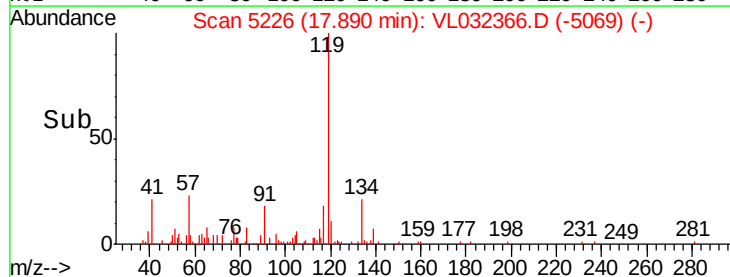
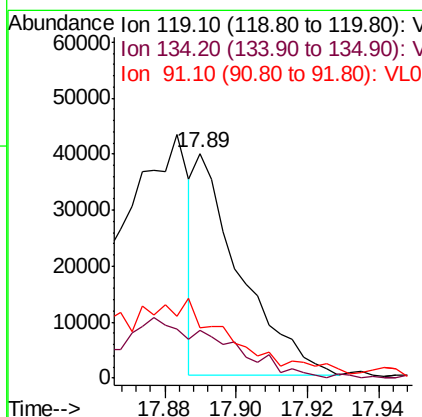
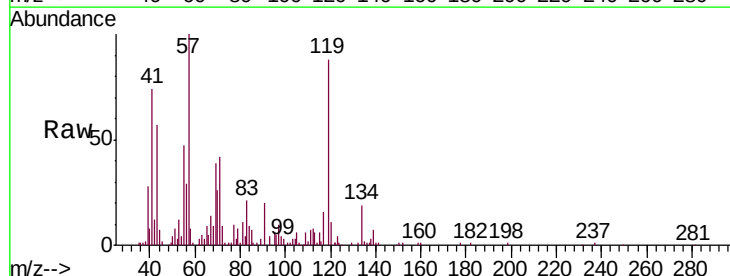
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDLDP

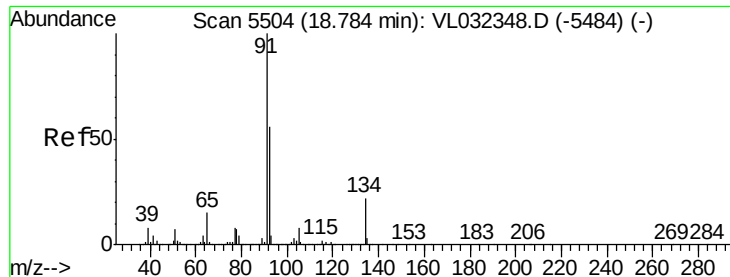
Tgt Ion: 95 Resp: 3221878
 Ion Ratio Lower Upper
 95 100
 174 56.3 46.2 69.4
 175 4.1 3.4 5.0



#69
 p-Isopropyltoluene
 Concen: 0.062 ppbv
 RT: 17.89 min Scan# 5226
 Delta R.T. 0.00 min
 Lab File: VL032366.D
 Acq: 16 Aug 2018 1:10

Tgt Ion: 119 Resp: 34411
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.4 30.6#
 91 0.0 23.6 35.4#





#70

n-Butylbenzene

Concen: 0.074 ppbv

RT: 18.80 min Scan# 5508

Delta R.T. 0.01 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

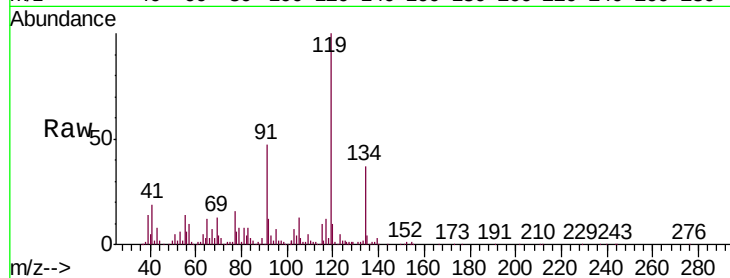
Tgt Ion: 91 Resp: 45335

Ion Ratio Lower Upper

91 100

92 0.0 43.9 65.9#

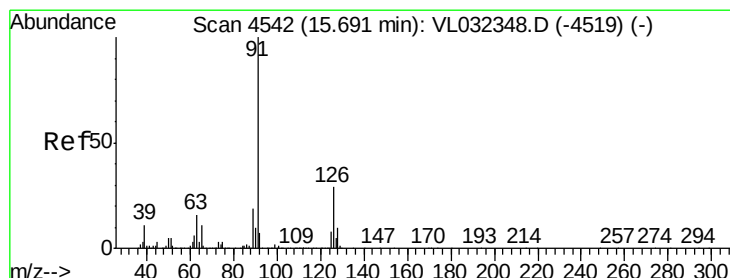
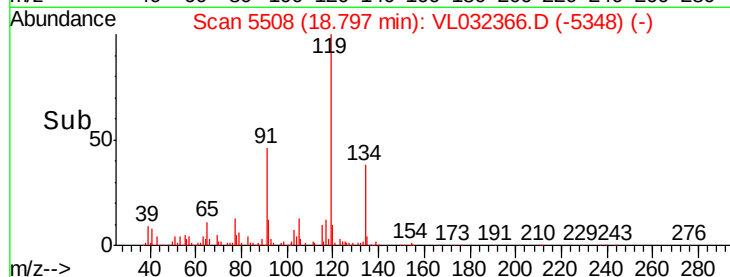
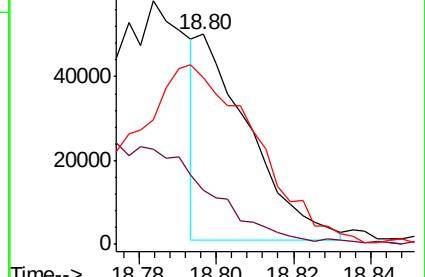
134 301.6 17.3 25.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.042 ppbv

RT: 15.55 min Scan# 4498

Delta R.T. -0.14 min

Lab File: VL032366.D

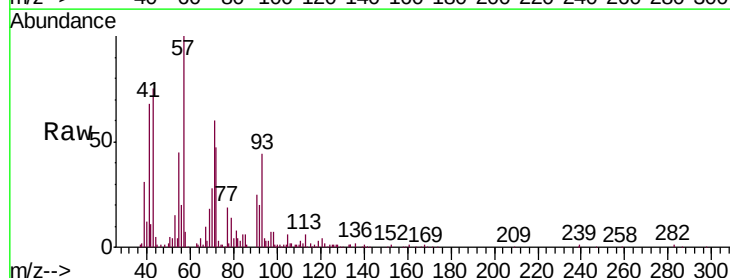
Acq: 16 Aug 2018 1:10

Tgt Ion: 91 Resp: 18595

Ion Ratio Lower Upper

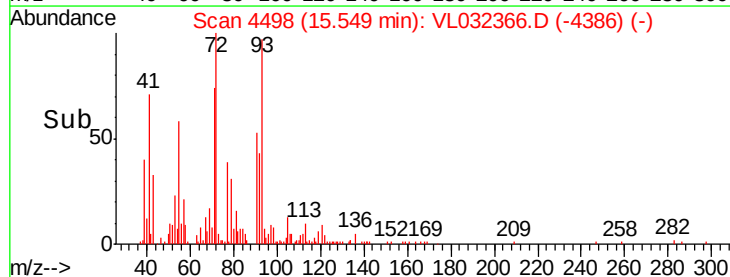
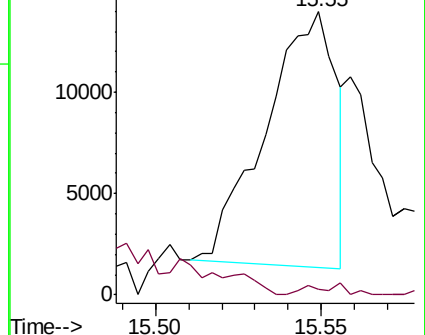
91 100

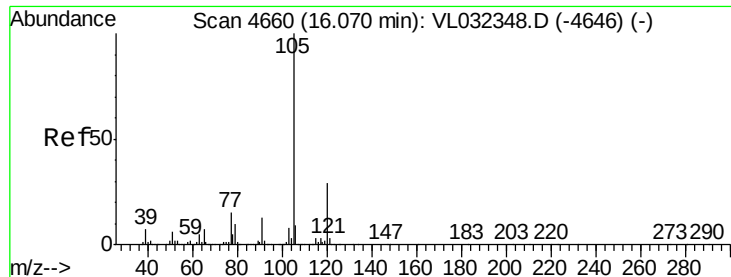
126 41.5 11.8 47.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 1.675 ppbv

RT: 16.07 min Scan# 4660

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

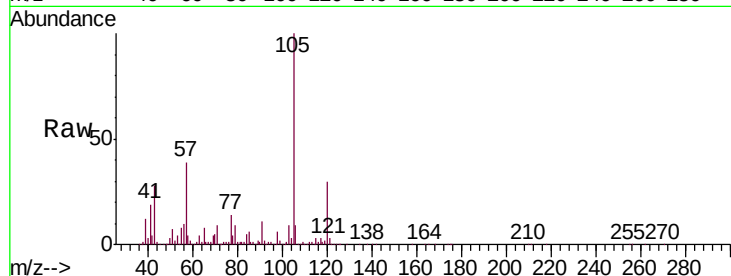
Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

Tgt Ion:	105	Resp:	754971
Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.4	35.0
91	12.2	10.0	15.0
77	13.6	11.3	16.9

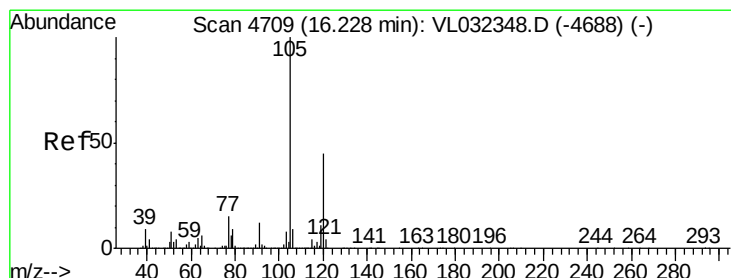
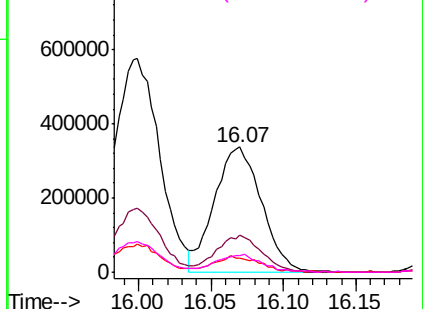
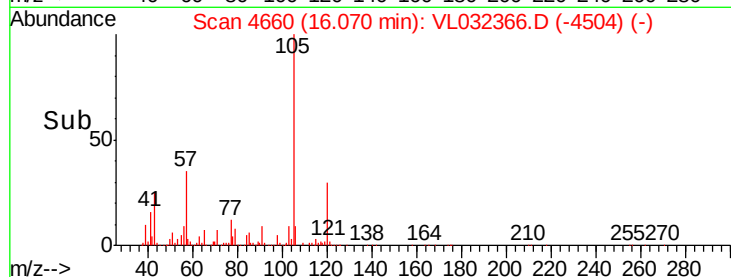


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 1.657 ppbv

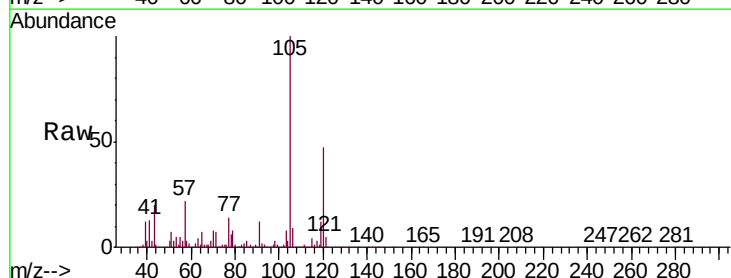
RT: 16.22 min Scan# 4708

Delta R.T. -0.00 min

Lab File: VL032366.D

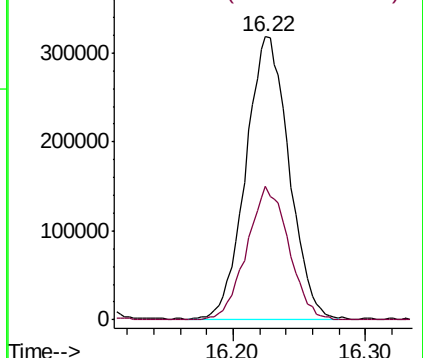
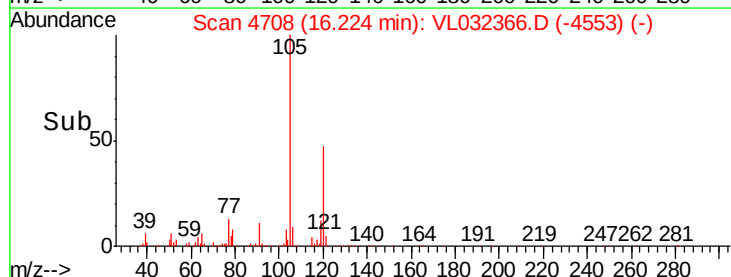
Acq: 16 Aug 2018 1:10

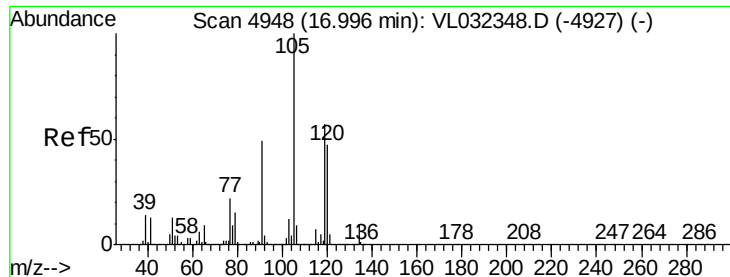
Tgt Ion:	105	Resp:	718111
Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.3	54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 4.083 ppbv

RT: 16.99 min Scan# 4947

Delta R.T. -0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

Tgt Ion:105 Resp: 1883299

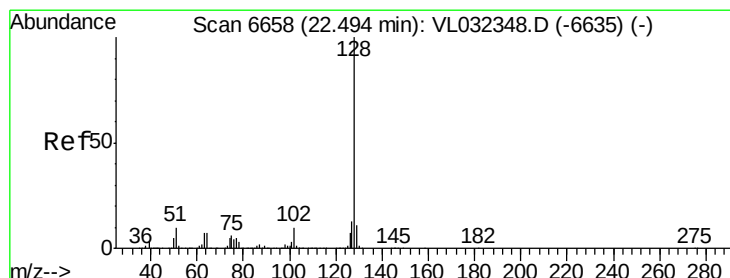
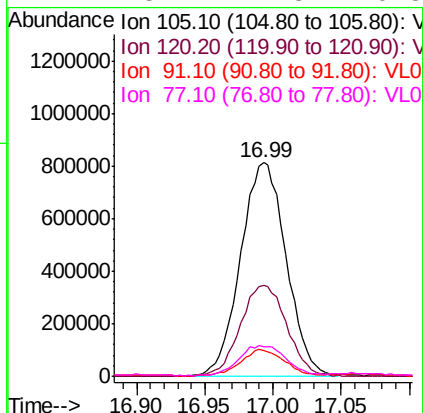
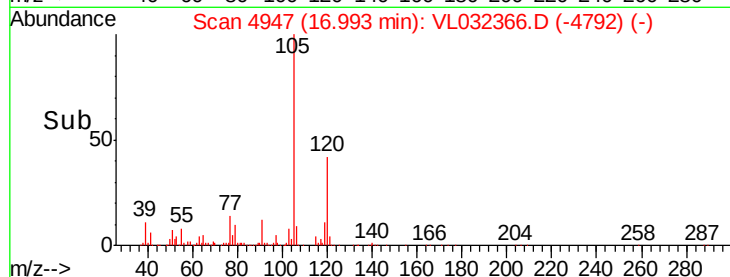
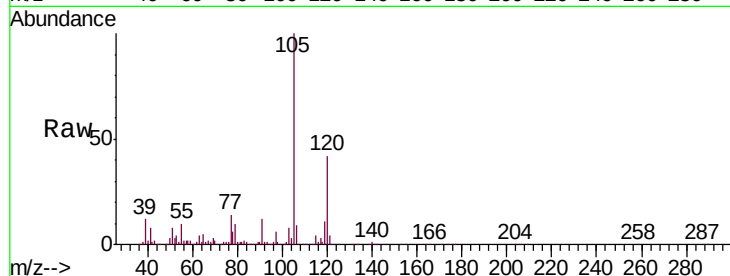
Ion Ratio Lower Upper

105 100

120 42.3 37.6 56.4

91 11.6 39.9 59.9#

77 13.7 17.8 26.8#



#79

Naphthalene

Concen: 0.339 ppbv

RT: 22.50 min Scan# 6659

Delta R.T. 0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

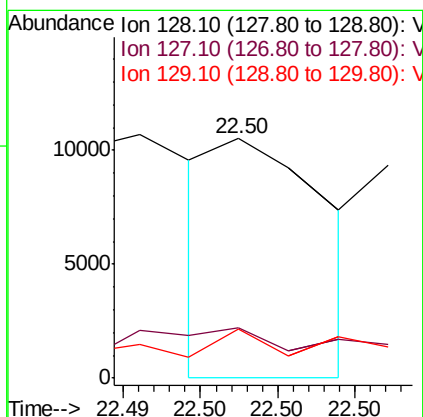
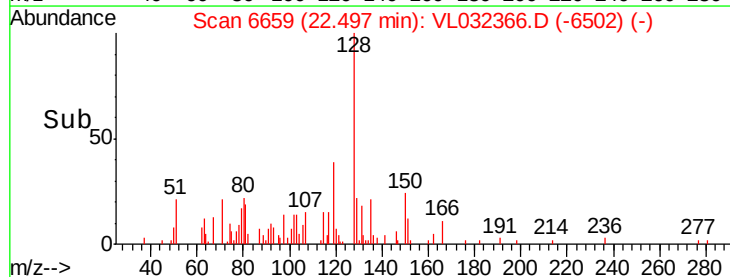
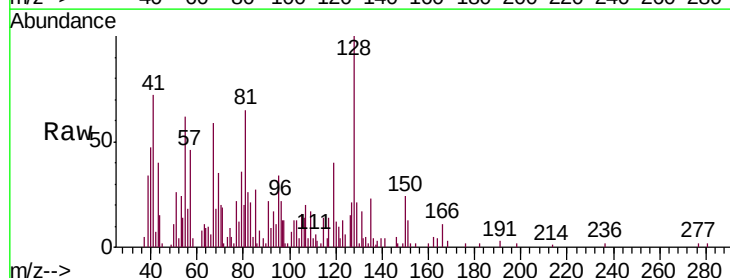
Tgt Ion:128 Resp: 5213

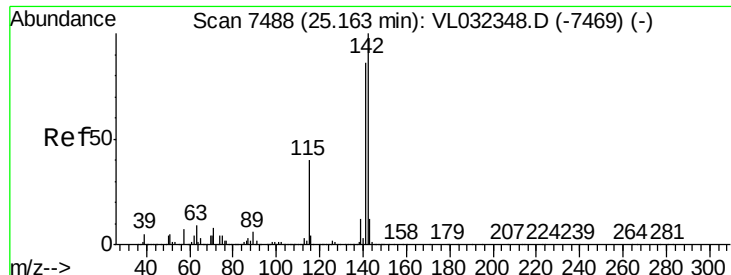
Ion Ratio Lower Upper

128 100

127 21.8 10.3 15.5#

129 56.1 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 0.171 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032366.D

Acq: 16 Aug 2018 1:10

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDUP

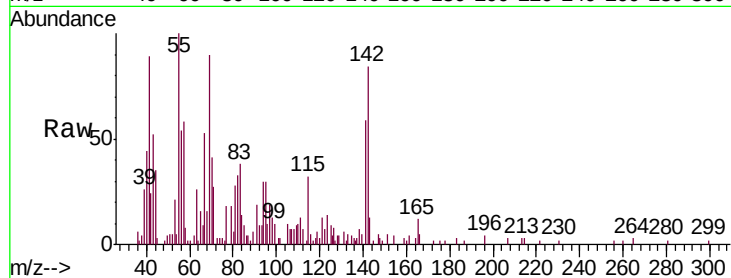
Tgt Ion:142 Resp: 15773

Ion Ratio Lower Upper

142 100

141 86.9 66.7 100.1

115 57.8 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

