

Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Time: Aug 16 05:48:48 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	1942944	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4107790	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4272019	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3957280	12.14	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	121.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.12	85	23417	Below Cal	91
3) Chlorodifluoromethane	3.04	51	68283	0.379 ppbv #	88
4) Chloromethane	3.21	50	38732	0.362 ppbv #	84
9) Propene	3.28	41	4216492	54.739 ppbv	96
10) Heptane	8.33	43	18803523	81.047 ppbv	93
11) Trichlorofluoromethane	4.05	101	104732	0.482 ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.61	101	17580	0.120 ppbv	98
13) Ethanol	3.70	45	2558909	129.344 ppbv	97
15) Acetone	3.94	43	5539621	30.009 ppbv #	71
16) 1,3-Butadiene	3.38	39	263240	3.454 ppbv #	3
17) tert-Butyl alcohol	4.42	59	191742	6.190 ppbv #	74
19) Isopropyl Alcohol	4.08	45	2138991	17.208 ppbv #	1
20) Methylene Chloride	4.46	84	177693	2.549 ppbv	91
21) Allyl Chloride	4.72	41	953865	8.187 ppbv #	35
23) Vinyl Acetate	5.20	43	6169291	19.354 ppbv #	1
25) Ethyl Acetate	5.85	43	13544507	34.238 ppbv #	78
26) Hexane	5.85	57	17106233	96.995 ppbv #	44
27) Carbon Disulfide	4.67	76	942308	5.724 ppbv	99
30) Cyclohexane	7.32	84	14925665	111.102 ppbv	90
31) cis-1,2-Dichloroethene	5.82	61	65970	0.382 ppbv #	31
34) 2-Butanone	5.38	43	3089294	11.050 ppbv	98
35) Carbon Tetrachloride	7.21	117	19159	0.079 ppbv	86
36) Benzene	7.07	78	9336251	26.808 ppbv	97
38) Trichloroethene	8.03	130	64344	0.527 ppbv #	78
39) 1,2-Dichloropropane	7.68	63	20360	0.140 ppbv #	1
41) Tetrahydrofuran	6.21	42	226118	1.507 ppbv	96
42) Bromodichloromethane	8.00	83	985433	3.562 ppbv #	26
43) Methyl Methacrylate	8.34	69	208498	1.503 ppbv #	1
44) 2,2,4-Trimethylpentane	8.07	57	1221166	1.945 ppbv #	1
47) 1,1,2-Trichloroethane	9.79	97	170932	1.068 ppbv #	55
50) 4-Methyl-2-Pentanone	8.95	43	185991	0.461 ppbv #	1
51) 2-Hexanone	10.29	43	22239113	78.435 ppbv #	35
57) Chlorobenzene	12.45	112	4239372	13.183 ppbv #	30
58) Ethyl Benzene	12.97	91	18936041	36.842 ppbv	89
59) m/p-Xylene	13.23	91	33657838	77.088 ppbv #	86
60) o-Xylene	13.95	91	16064378	37.434 ppbv	94
61) Styrene	13.78	104	644590	2.149 ppbv	99
62) Isopropylbenzene	14.92	105	2921178	4.782 ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.04	83	1896570	5.256 ppbv #	31
64) n-propylbenzene	15.81	120	1060042	6.705 ppbv	96
65) tert-Butylbenzene	17.01	119	2026414	3.883 ppbv #	64

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

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Sample : J4457-02
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ClientSampleId :
SS08-MIVI

Quant Time: Aug 16 05:48:48 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)
66) Benzyl Chloride	17.08	91	118895	0.385	ppbv #	1
67) sec-Butylbenzene	17.55	105	822780	1.060	ppbv	100
69) p-Isopropyltoluene	17.90	119	1258171	2.119	ppbv #	90
70) n-Butylbenzene	18.80	91	2100067	3.225	ppbv #	41
71) 2-Chlorotoluene	15.57	91	197206	0.417	ppbv	70
72) 4-Ethyltoluene	16.09	105	8035712	16.788	ppbv	99
73) 1,3,5-Trimethylbenzene	16.24	105	7529026	16.353	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	16225110	33.121	ppbv #	74
77) 1,2-Dichlorobenzene	18.08	146	14488	0.052	ppbv #	55
79) Naphthalene	22.50	128	388808	1.148	ppbv	99

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

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Acq On : 15 Aug 2018 23:15

Operator : SY/AP

Sample : J4457-02

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

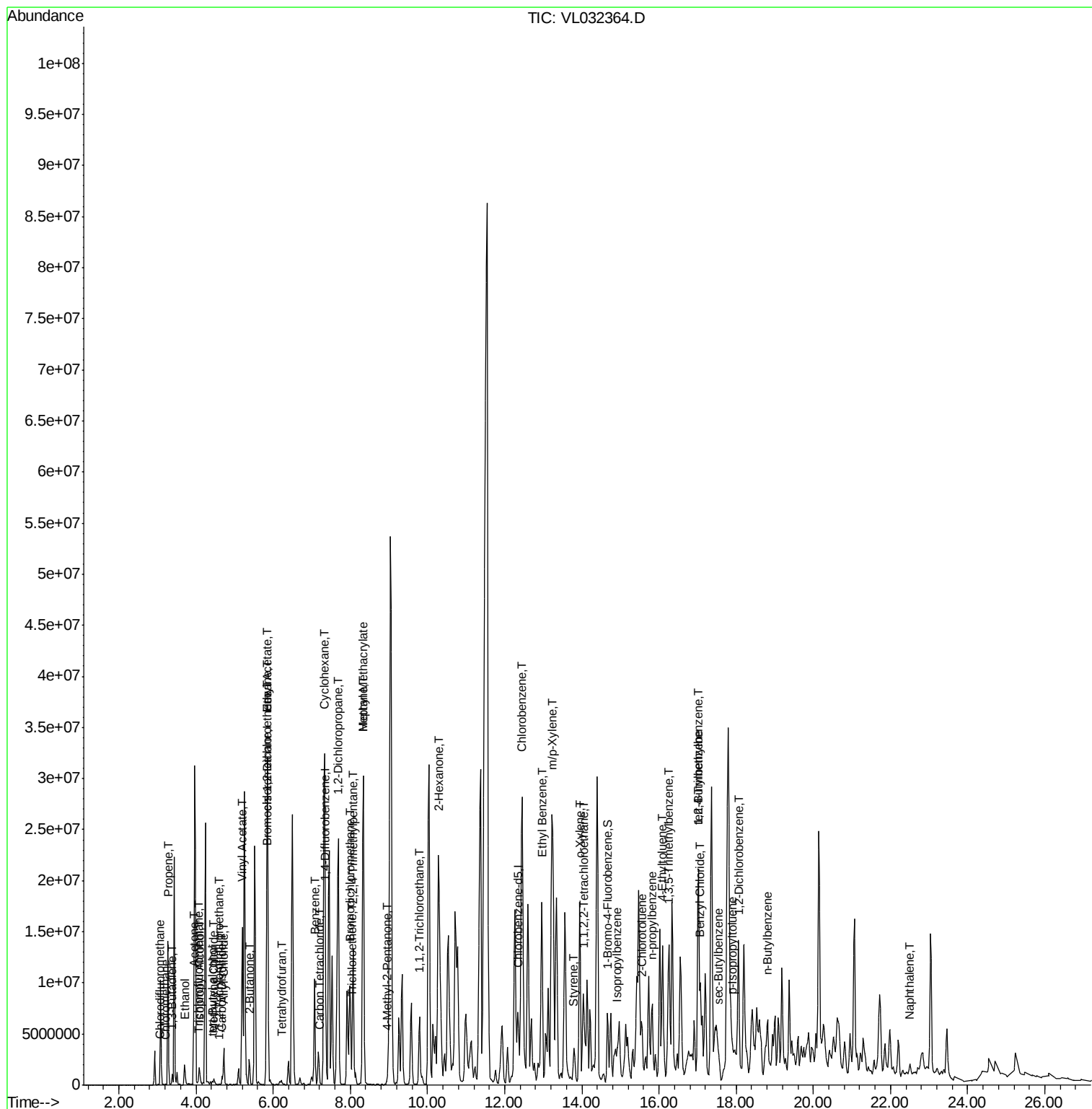
Quant Time: Aug 16 05:48:48 2018

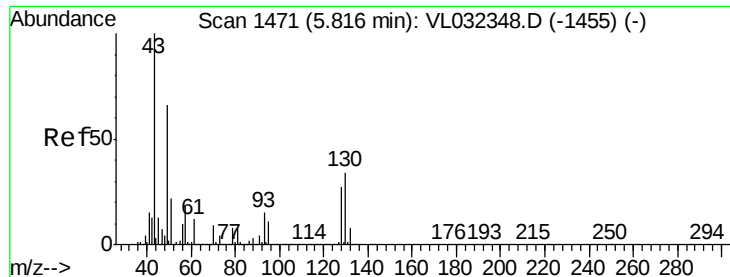
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081518AIR.M

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: 5.82 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

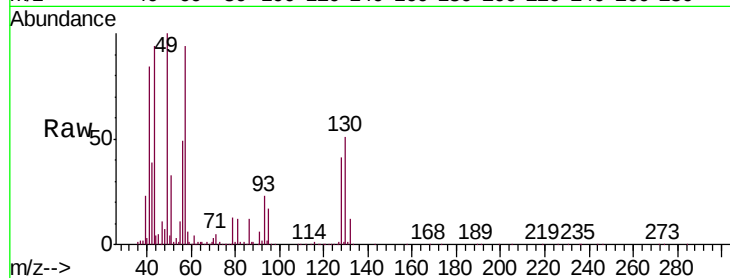
Tgt Ion: 49 Resp: 1942944

Ion Ratio Lower Upper

49 100

128 40.5 20.5 61.6

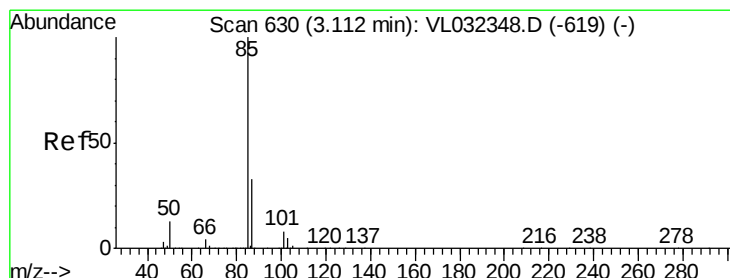
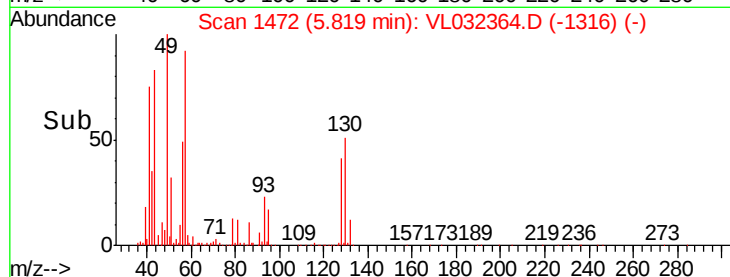
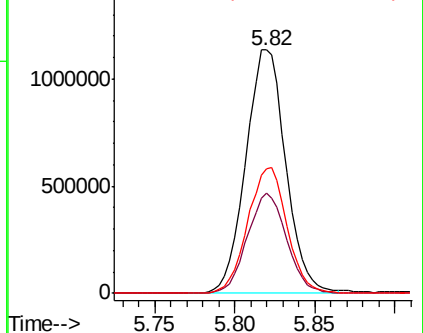
130 51.2 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL032364.D

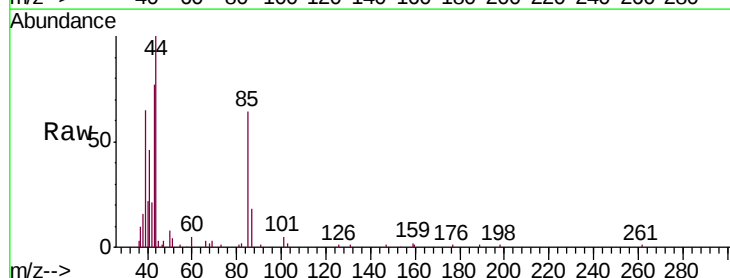
Acq: 15 Aug 2018 23:15

Tgt Ion: 85 Resp: 23417

Ion Ratio Lower Upper

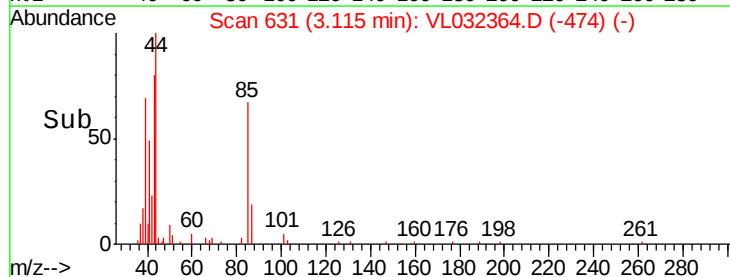
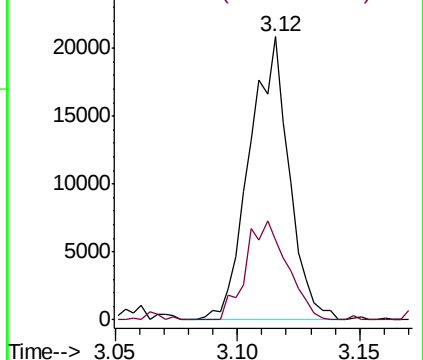
85 100

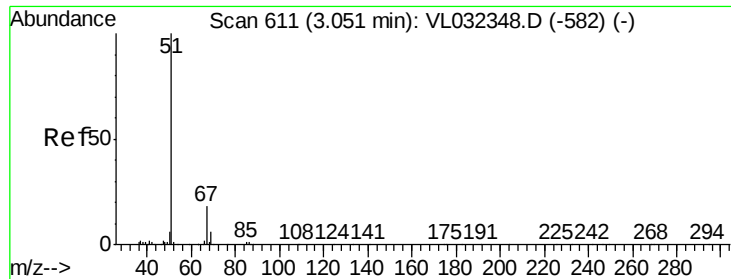
87 28.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

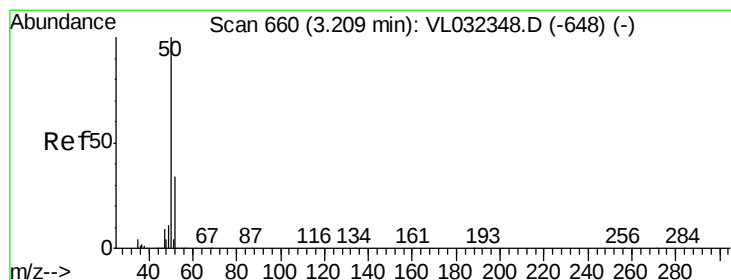
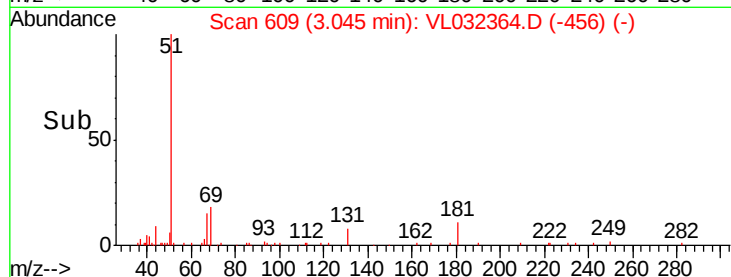
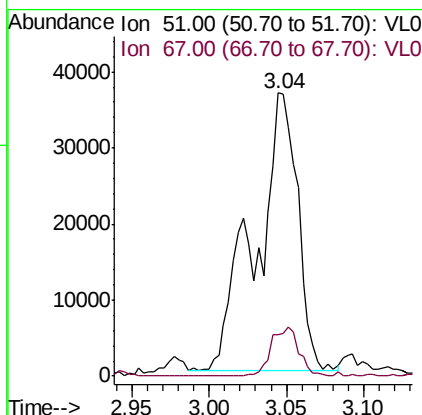
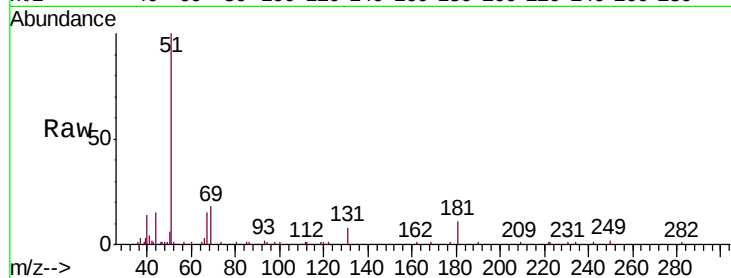




#3
 Chlorodifluoromethane
 Concen: 0.379 ppbv
 RT: 3.04 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

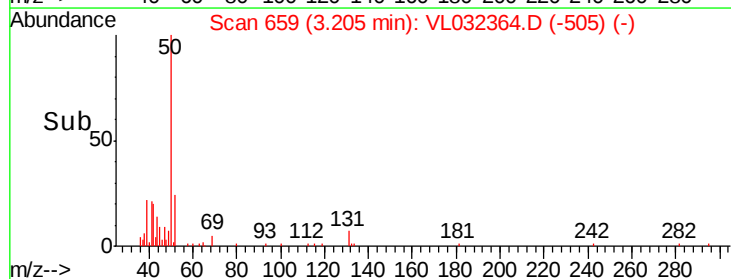
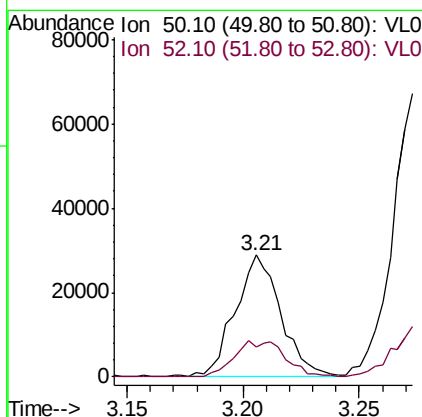
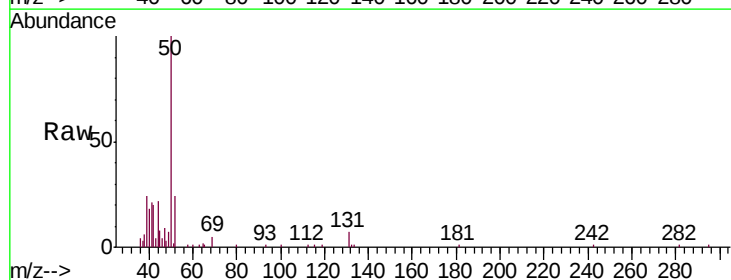
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

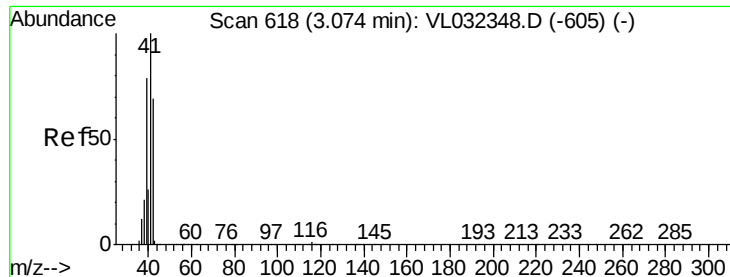
Tgt Ion: 51 Resp: 68283
 Ion Ratio Lower Upper
 51 100
 67 12.1 13.7 20.5#



#4
 Chloromethane
 Concen: 0.362 ppbv
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 50 Resp: 38732
 Ion Ratio Lower Upper
 50 100
 52 24.4 26.8 40.2#





#9

Propene

Concen: 54.739 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.20 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

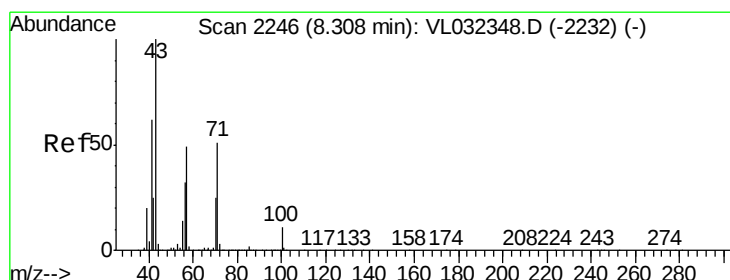
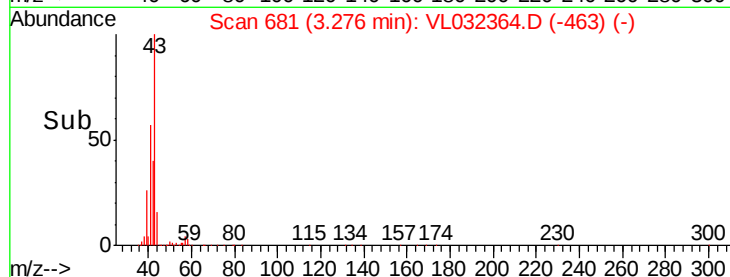
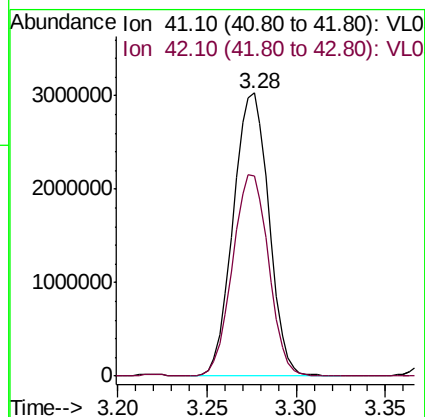
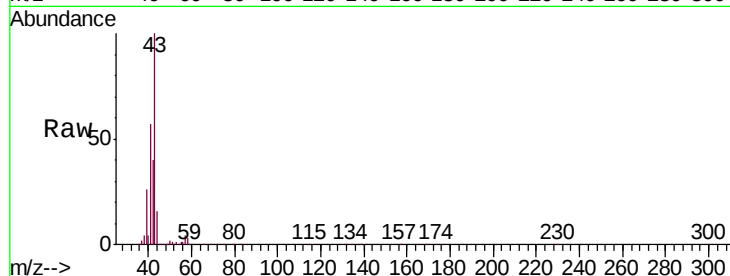
SS08-MIVI

Tgt Ion: 41 Resp: 4216492

Ion Ratio Lower Upper

41 100

42 72.8 55.9 83.9



#10

Heptane

Concen: 81.047 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. 0.03 min

Lab File: VL032364.D

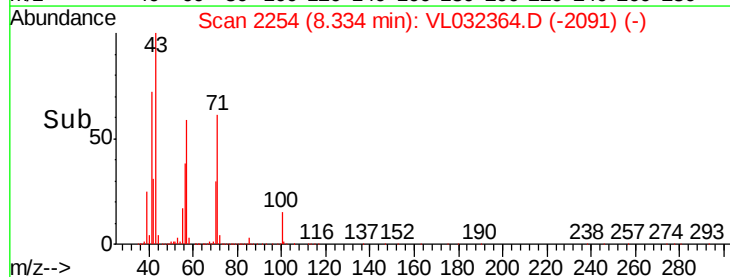
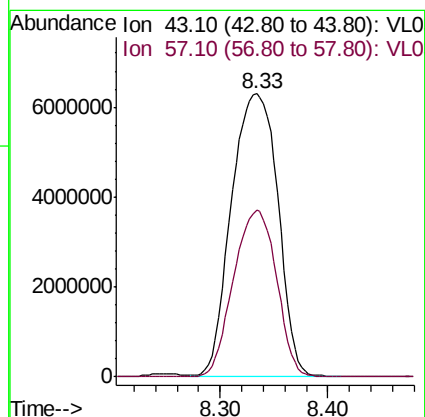
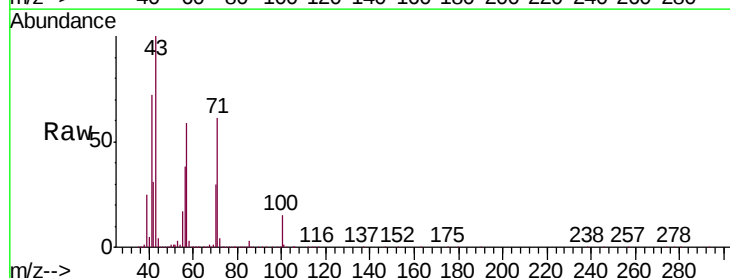
Acq: 15 Aug 2018 23:15

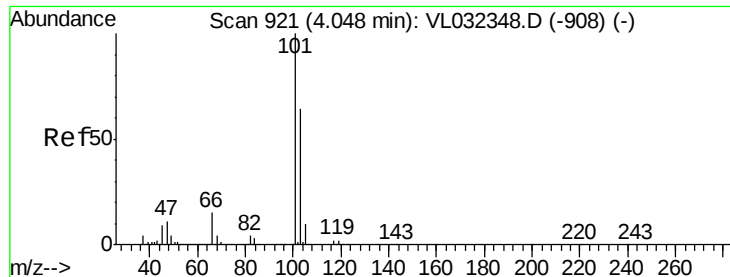
Tgt Ion: 43 Resp: 18803523

Ion Ratio Lower Upper

43 100

57 54.5 39.5 59.3





#11

Trichlorofluoromethane

Concen: 0.482 ppbv

RT: 4.05 min Scan# 923

Delta R.T. 0.01 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

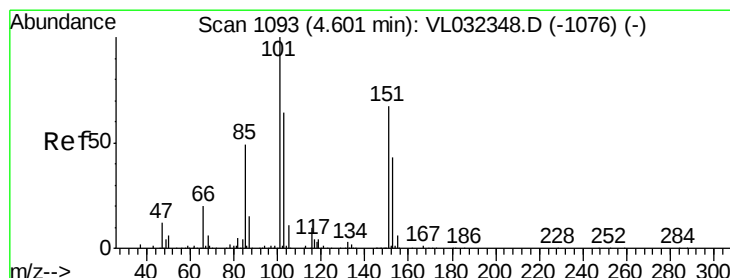
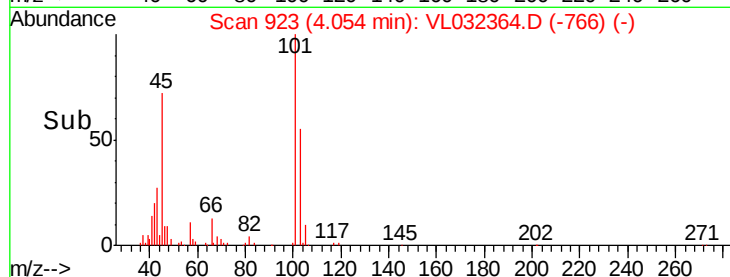
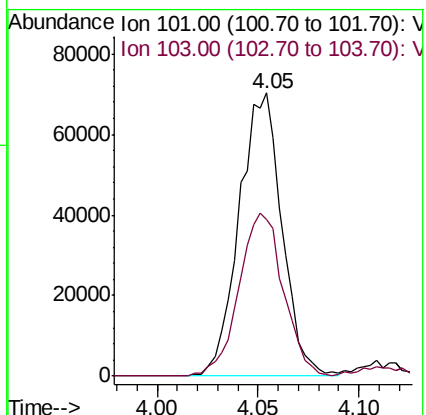
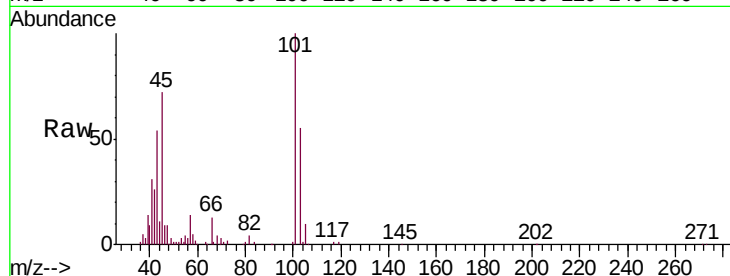
SS08-MIVI

Tgt Ion:101 Resp: 104732

Ion Ratio Lower Upper

101 100

103 55.0 51.4 77.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.120 ppbv

RT: 4.61 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VL032364.D

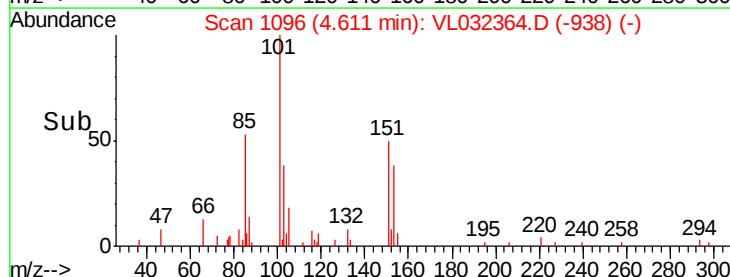
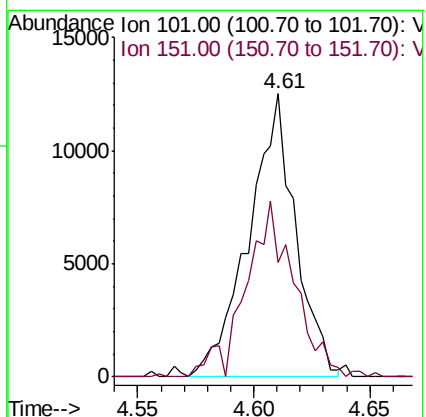
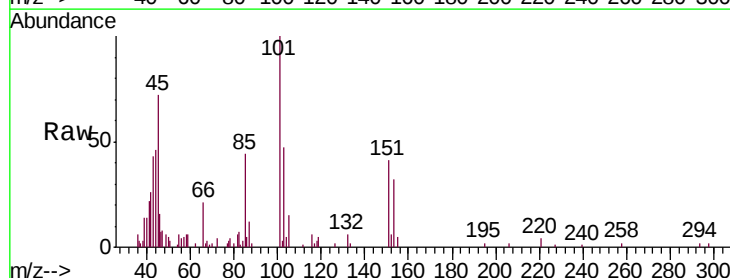
Acq: 15 Aug 2018 23:15

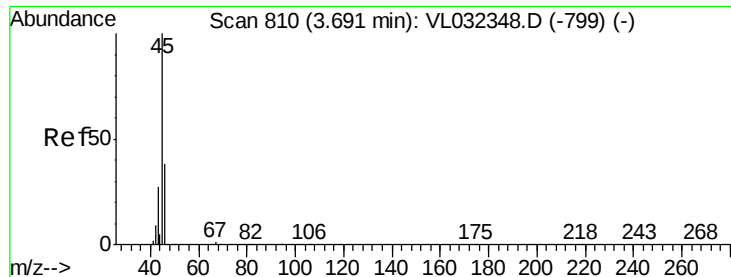
Tgt Ion:101 Resp: 17580

Ion Ratio Lower Upper

101 100

151 64.5 53.1 79.7





#13

Ethanol

Concen: 129.344 ppbv

RT: 3.70 min Scan# 814

Delta R.T. 0.01 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

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ClientSampleId :

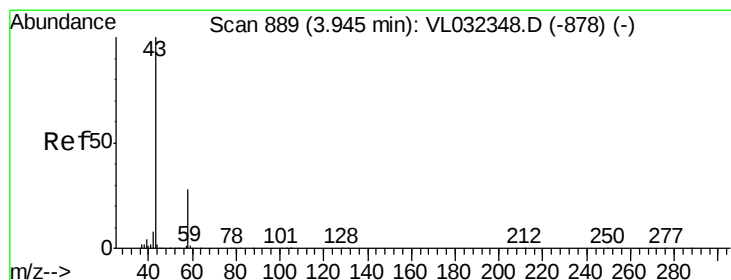
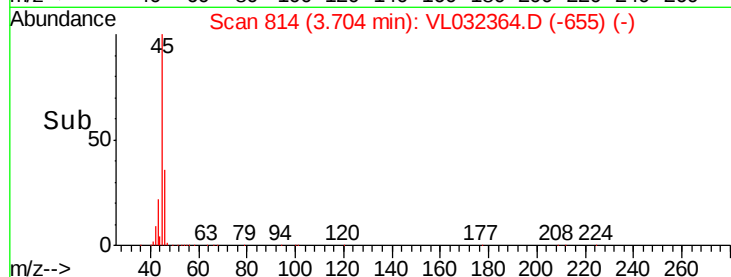
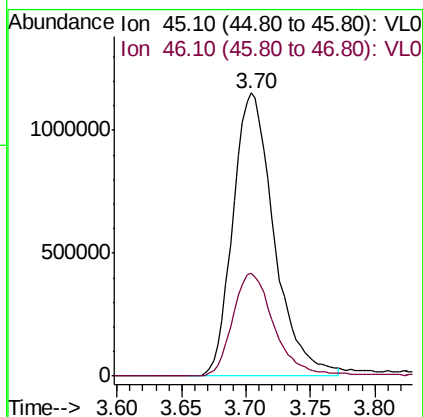
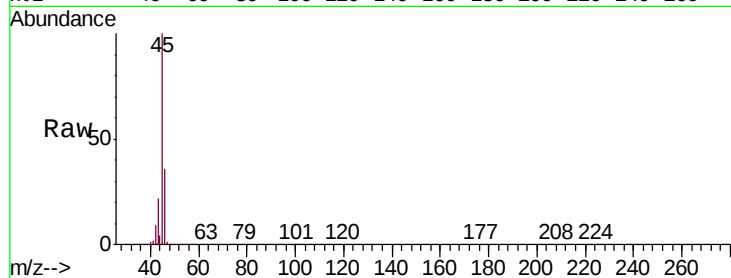
SS08-MIVI

Tgt Ion: 45 Resp: 2558909

Ion Ratio Lower Upper

45 100

46 37.3 15.6 62.4



#15

Acetone

Concen: 30.009 ppbv

RT: 3.94 min Scan# 887

Delta R.T. -0.01 min

Lab File: VL032364.D

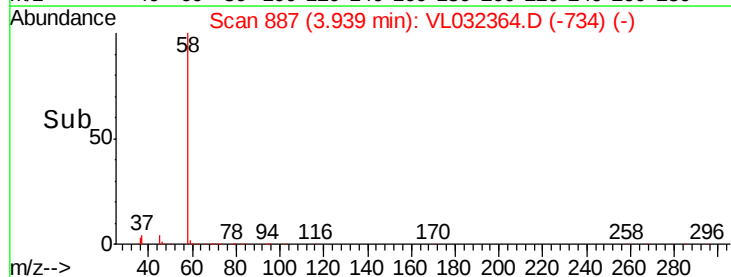
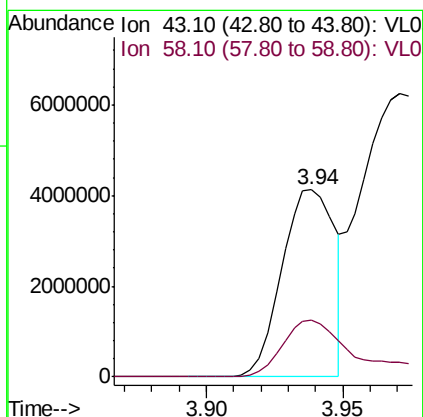
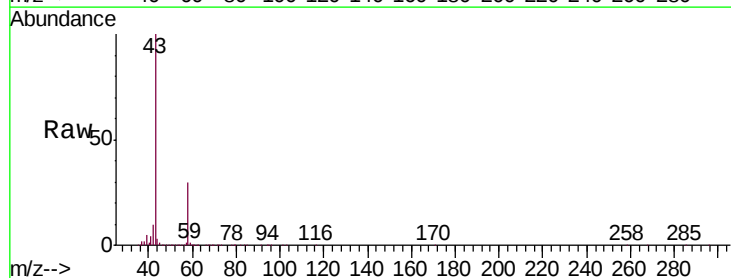
Acq: 15 Aug 2018 23:15

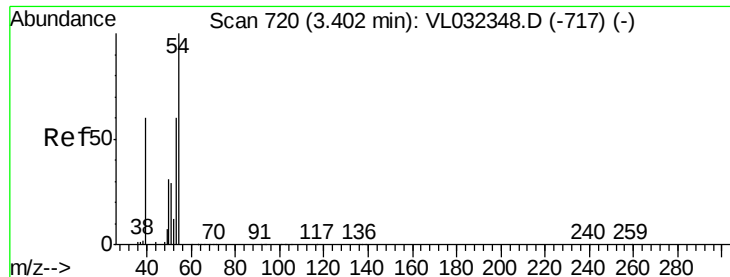
Tgt Ion: 43 Resp: 5539621

Ion Ratio Lower Upper

43 100

58 43.0 22.4 33.6#

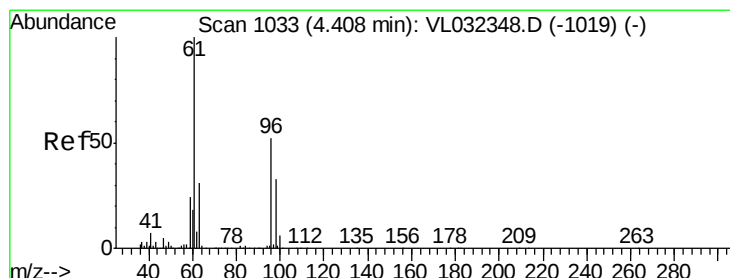
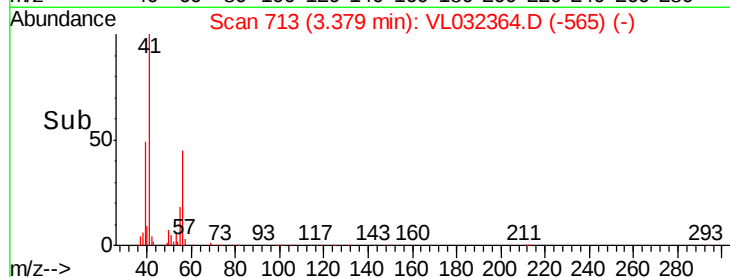
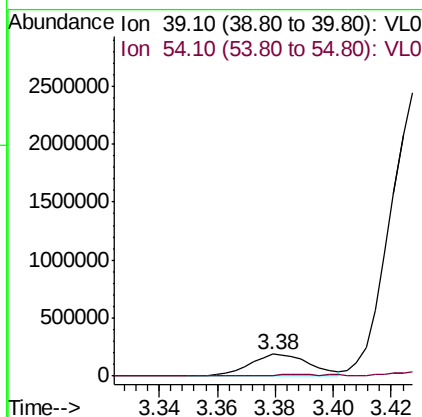
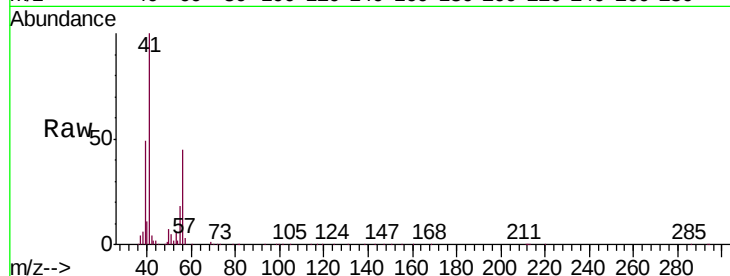




#16
 1,3-Butadiene
 Concen: 3.454 ppbv
 RT: 3.38 min Scan# 713
 Delta R.T. -0.02 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

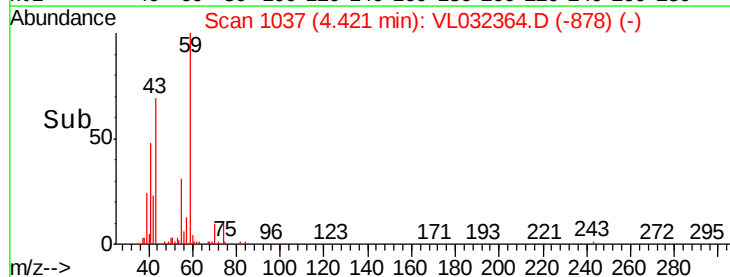
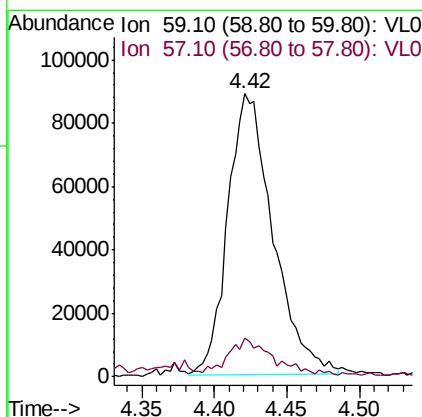
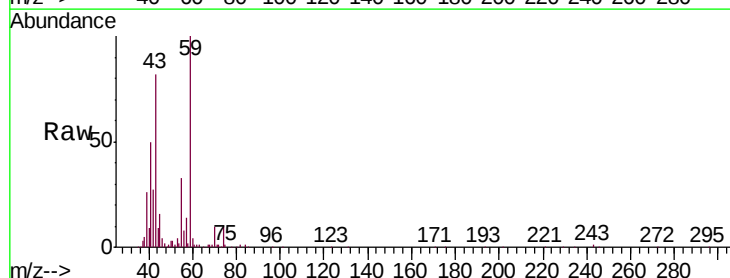
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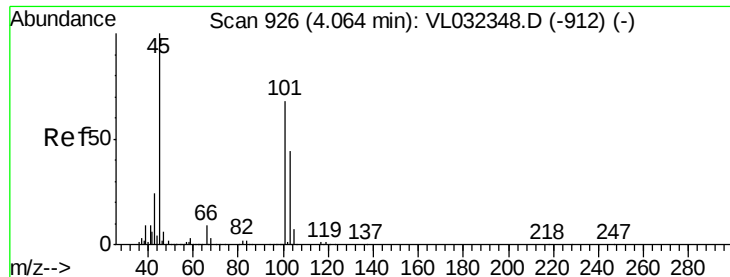
Tgt Ion: 39 Resp: 263240
 Ion Ratio Lower Upper
 39 100
 54 6.4 85.5 128.3#



#17
 tert-Butyl alcohol
 Concen: 6.190 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 59 Resp: 191742
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#





#19

Isopropyl Alcohol

Concen: 17.208 ppbv

RT: 4.08 min Scan# 932

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

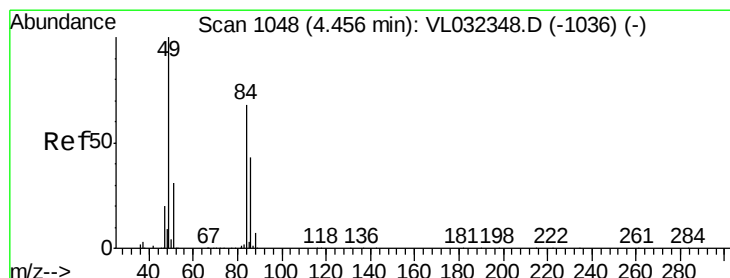
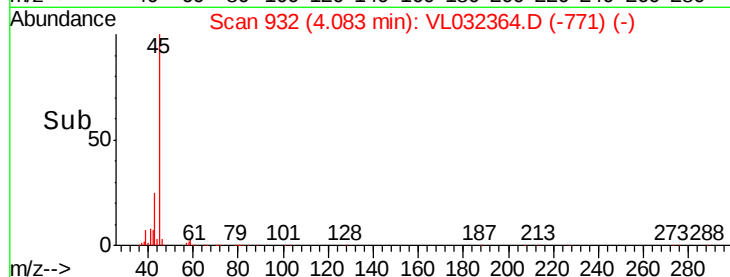
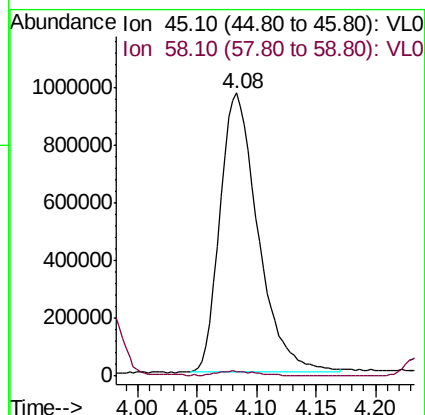
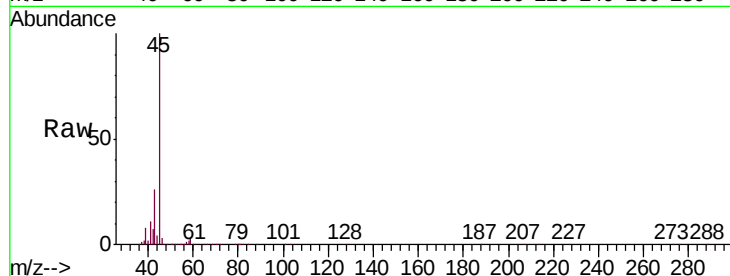
SS08-MIVI

Tgt Ion: 45 Resp: 2138991

Ion Ratio Lower Upper

45 100

58 111.5 1.4 2.0#



#20

Methylene Chloride

Concen: 2.549 ppbv

RT: 4.46 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Tgt Ion: 84 Resp: 177693

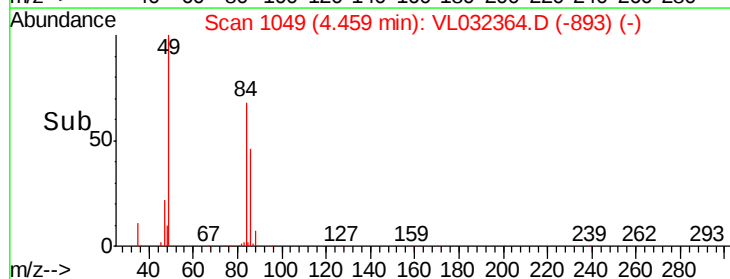
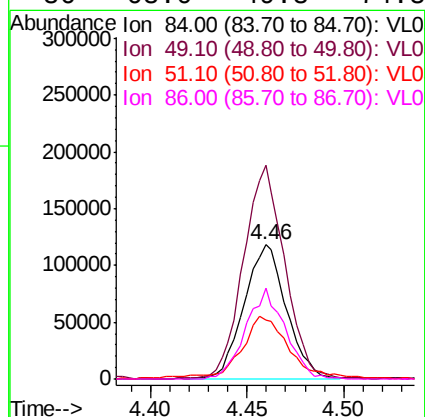
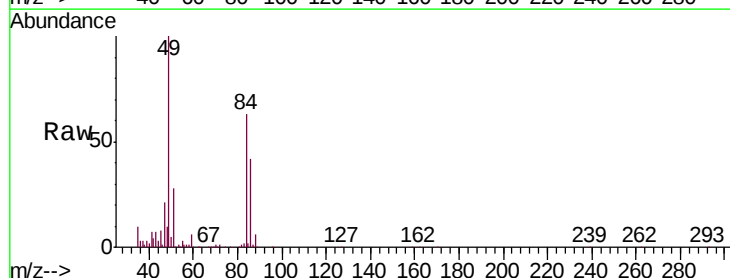
Ion Ratio Lower Upper

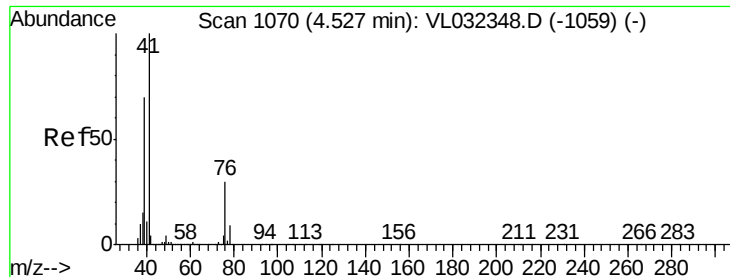
84 100

49 159.3 117.3 175.9

51 41.9 36.6 55.0

86 68.0 49.8 74.8

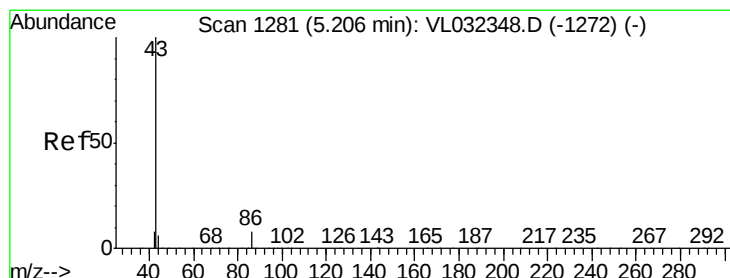
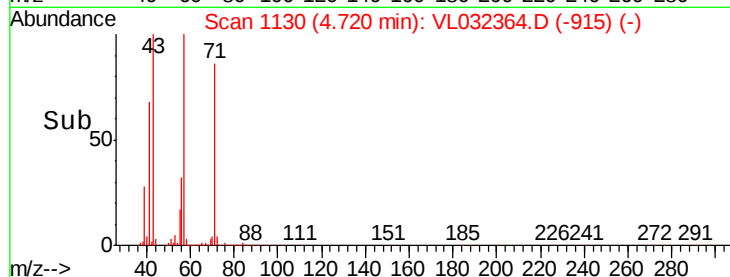
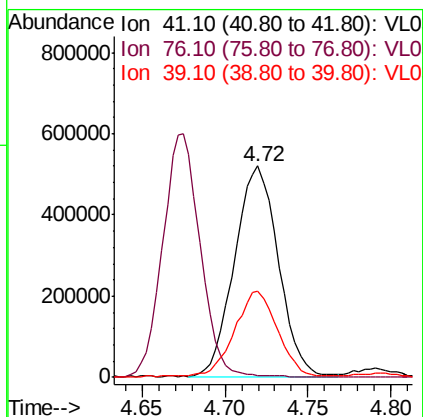
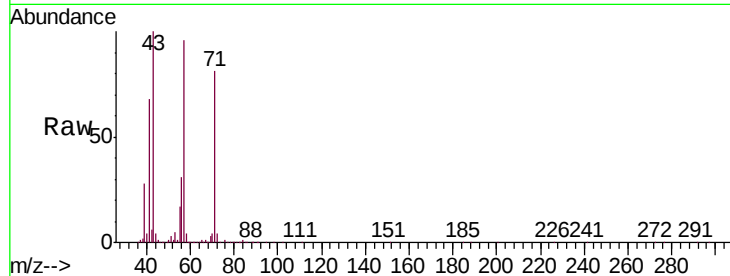




#21
 Allyl Chloride
 Concen: 8.187 ppbv
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.19 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

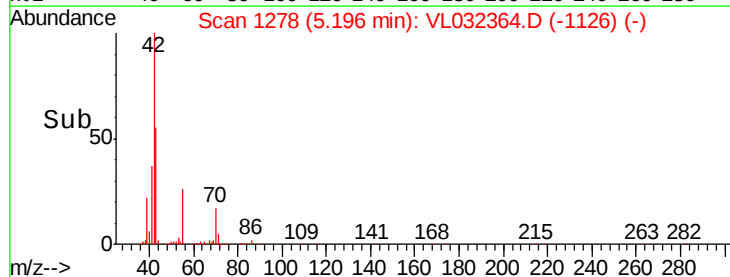
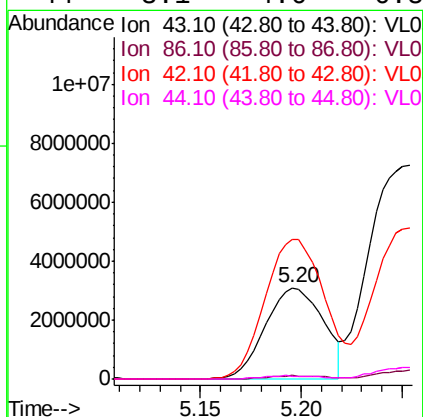
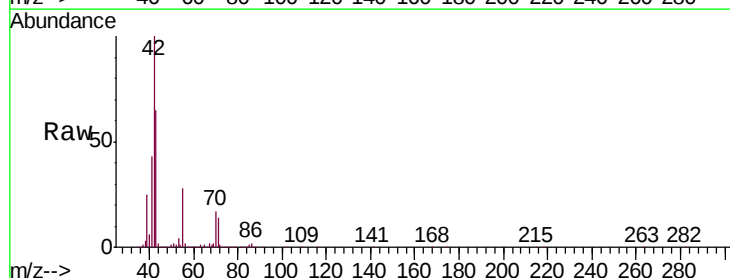
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

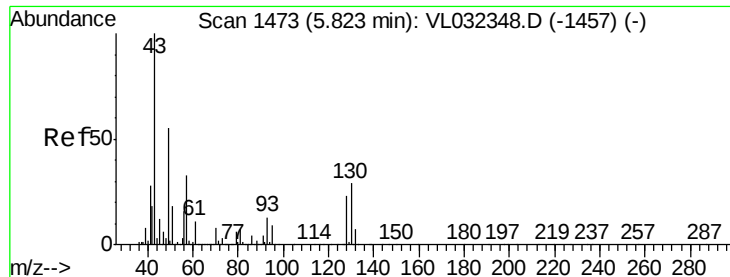
Tgt Ion: 41 Resp: 953865
 Ion Ratio Lower Upper
 41 100
 76 99.4 22.9 34.3#
 39 40.7 57.6 86.4#



#23
 Vinyl Acetate
 Concen: 19.354 ppbv
 RT: 5.20 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 43 Resp: 6169291
 Ion Ratio Lower Upper
 43 100
 86 3.6 5.5 8.3#
 42 154.1 7.0 10.6#
 44 3.1 4.6 6.8#

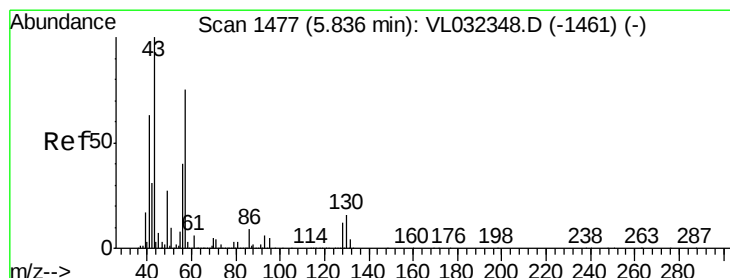
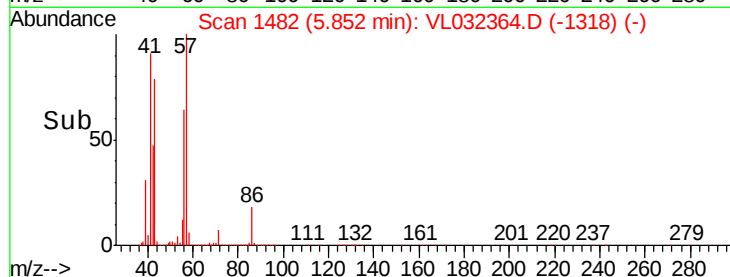
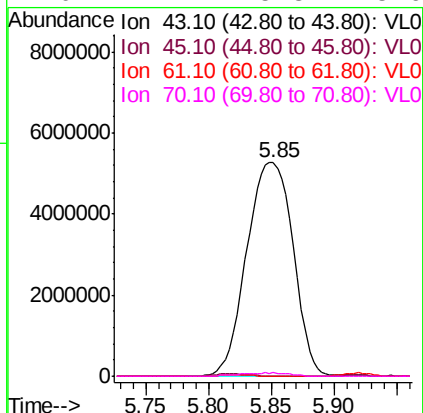
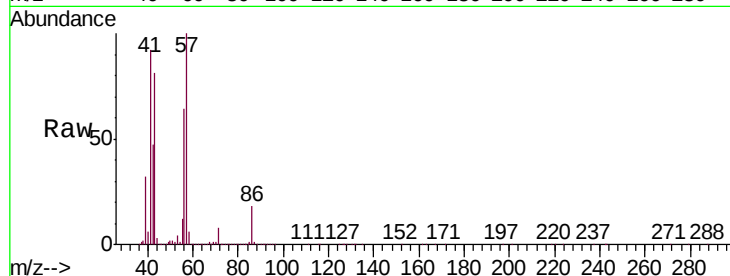




#25
Ethyl Acetate
Concen: 34.238 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.03 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

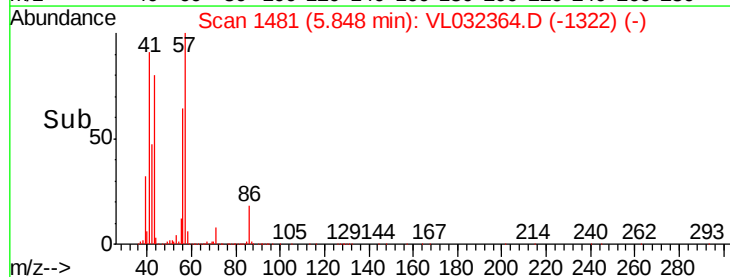
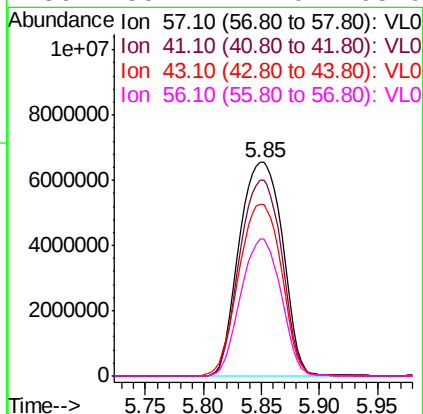
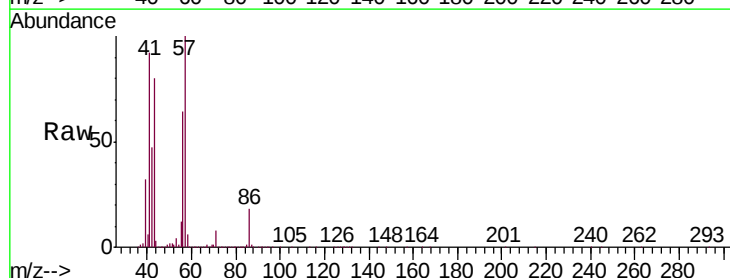
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

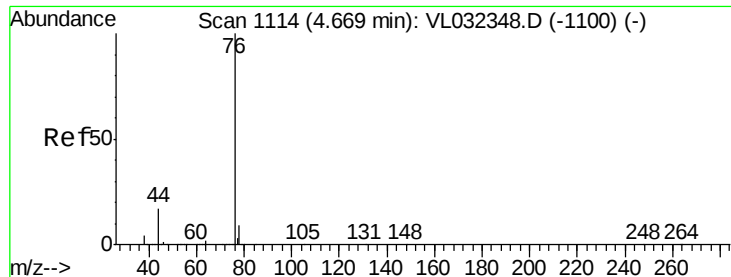
Tgt Ion: 43 Resp:13544507
Ion Ratio Lower Upper
43 100
45 0.9 7.9 11.9#
61 0.6 7.4 11.2#
70 1.7 5.8 8.6#



#26
Hexane
Concen: 96.995 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. 0.01 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

Tgt Ion: 57 Resp:17106233
Ion Ratio Lower Upper
57 100
41 89.1 68.0 102.0
43 79.6 175.3 262.9#
56 59.7 42.0 63.0





#27

Carbon Disulfide

Concen: 5.724 ppbv

RT: 4.67 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

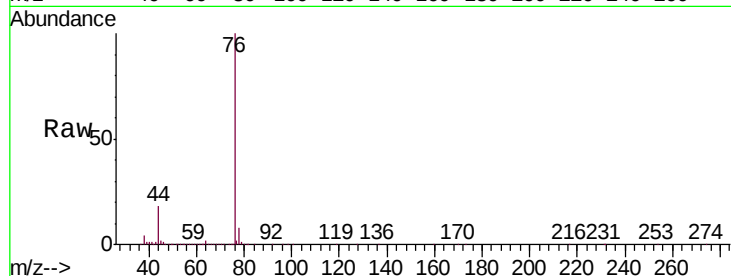
Tgt Ion: 76 Resp: 942308

Ion Ratio Lower Upper

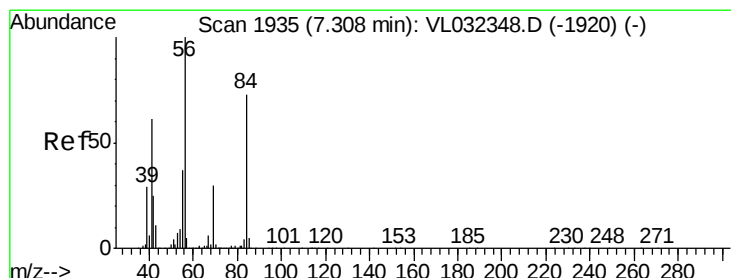
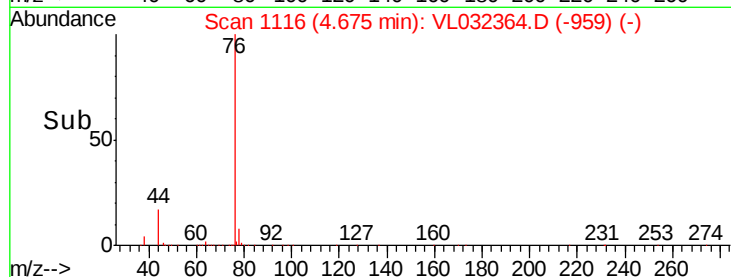
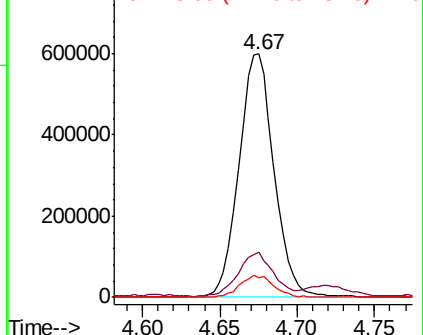
76 100

44 18.3 14.4 21.6

78 8.9 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



#30

Cyclohexane

Concen: 111.102 ppbv

RT: 7.32 min Scan# 1940

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

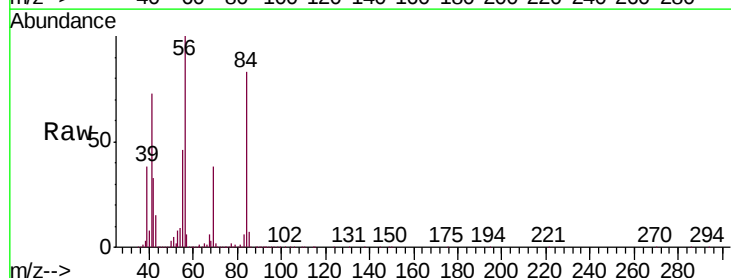
Tgt Ion: 84 Resp: 14925665

Ion Ratio Lower Upper

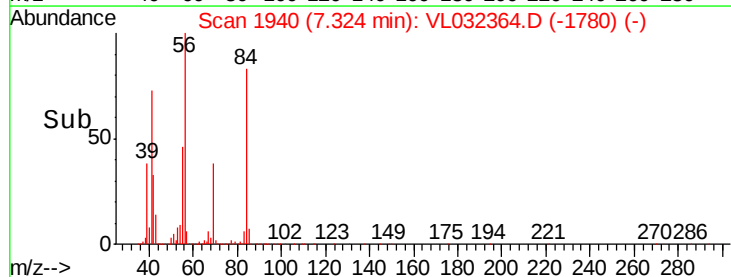
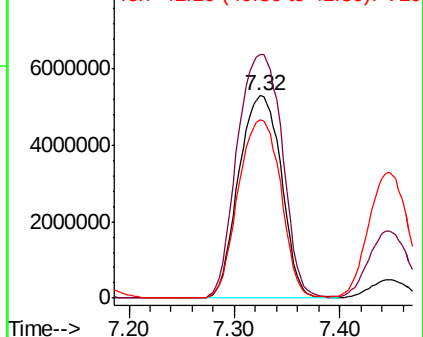
84 100

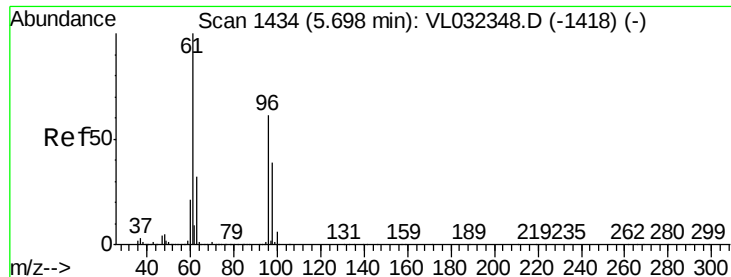
56 126.9 115.7 173.5

41 87.5 67.9 101.9



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

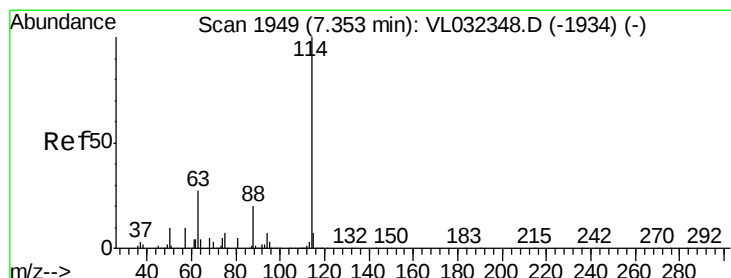
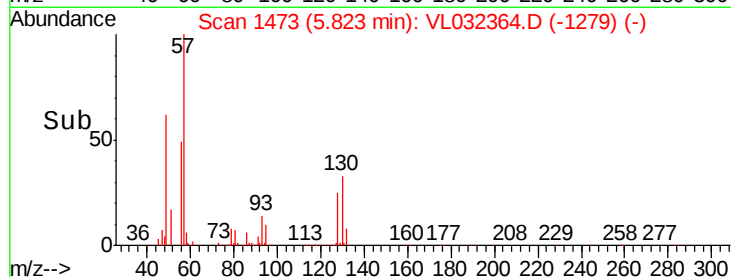
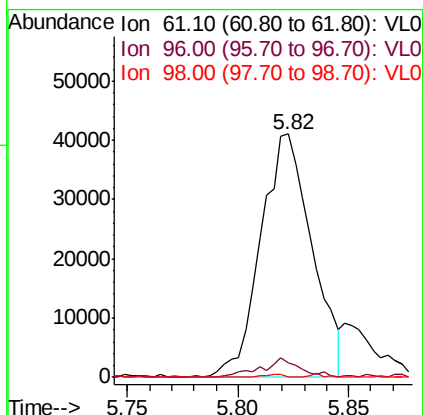
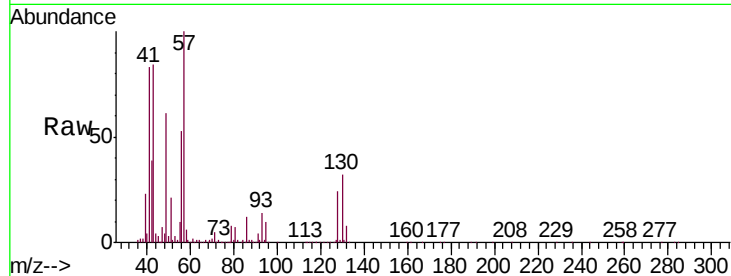




#31
 cis-1,2-Dichloroethene
 Concen: 0.382 ppbv
 RT: 5.82 min Scan# 1473
 Delta R.T. 0.13 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

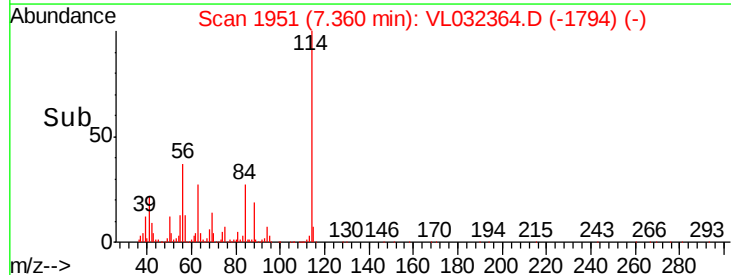
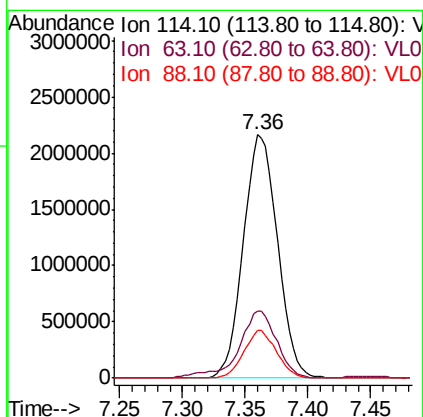
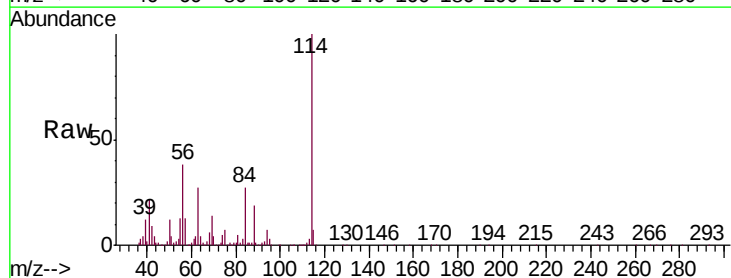
Instrument :
 MSVOA_L
 ClientSampled :
 SS08-MIVI

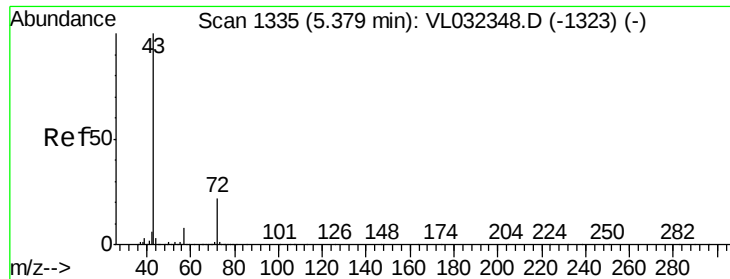
Tgt Ion	Ratio	Lower	Upper
61	100		
96	6.1	48.5	72.7#
98	0.0	31.0	46.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.6	22.0	33.0
88	18.9	15.3	22.9

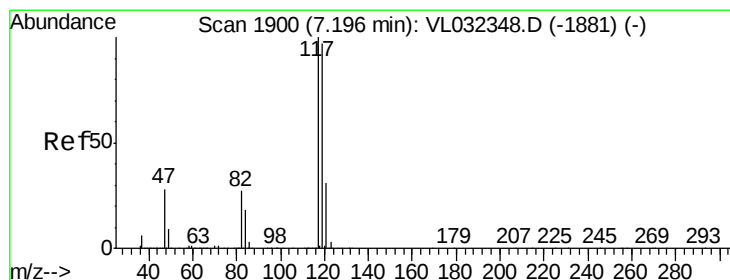
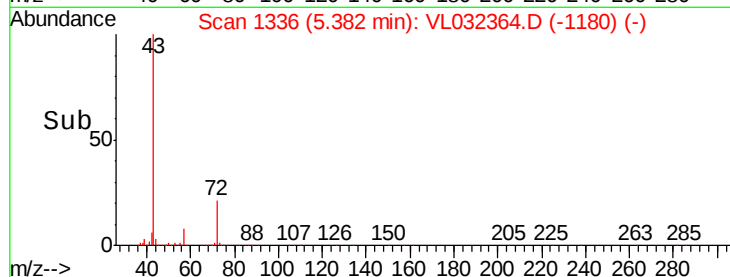
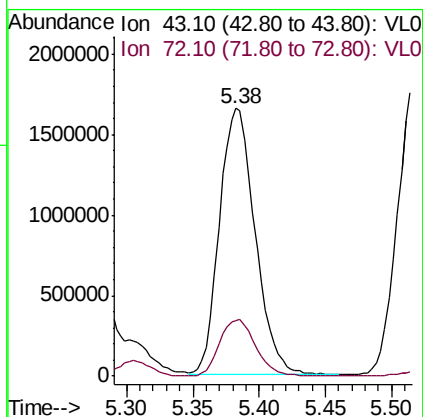
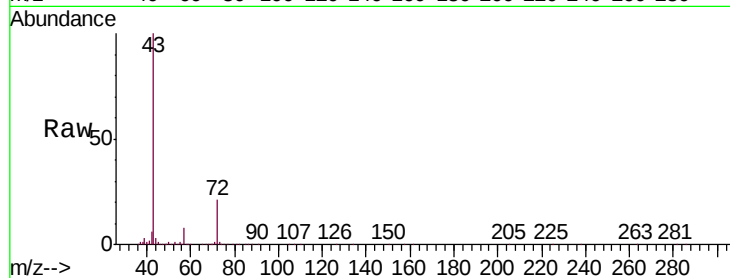




#34
2-Butanone
Concen: 11.050 ppbv
RT: 5.38 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

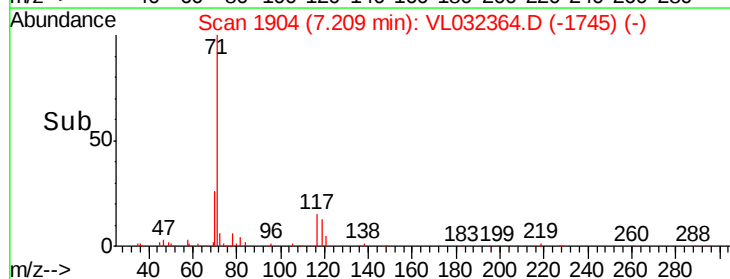
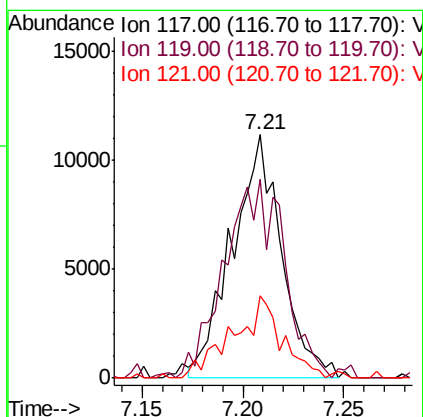
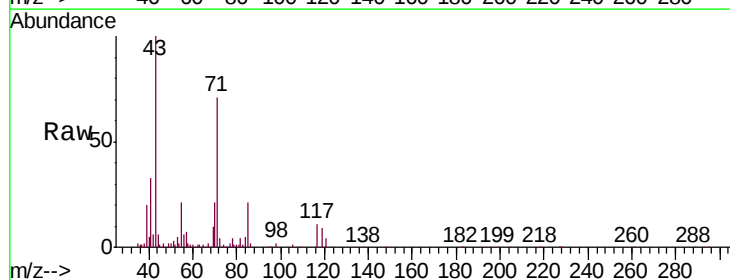
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

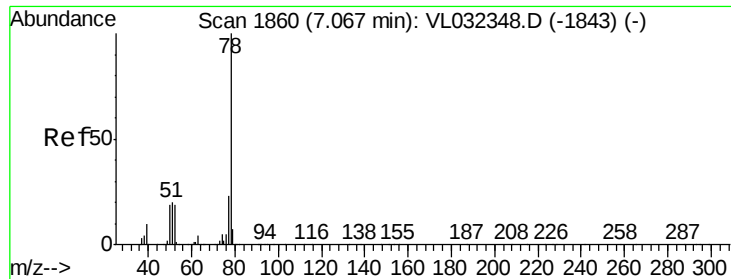
Tgt Ion: 43 Resp: 3089294
Ion Ratio Lower Upper
43 100
72 21.6 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.079 ppbv
RT: 7.21 min Scan# 1904
Delta R.T. 0.01 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

Tgt Ion: 117 Resp: 19159
Ion Ratio Lower Upper
117 100
119 78.2 77.2 115.8
121 31.0 25.1 37.7





#36

Benzene

Concen: 26.808 ppbv

RT: 7.07 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

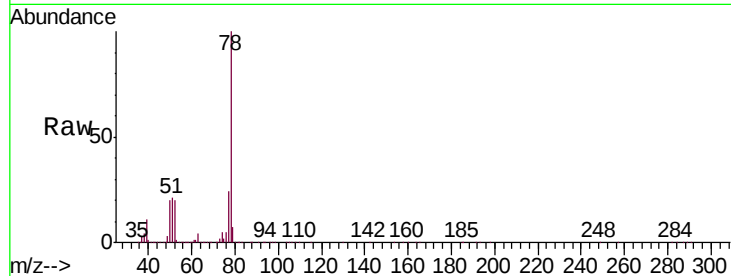
MSVOA_L

ClientSampleId :

SS08-MIVI

Tgt Ion: 78 Resp: 9336251

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.0	27.0
50	19.7	15.1	22.7

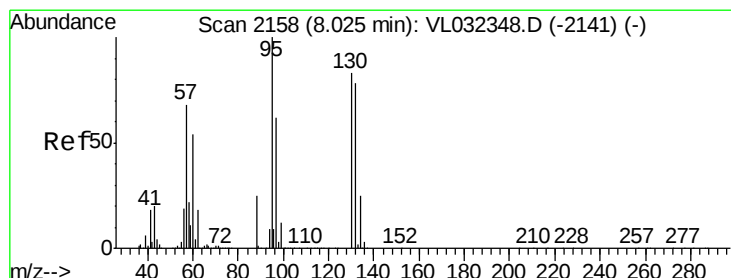
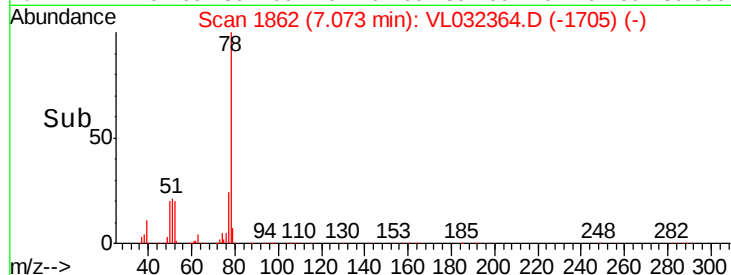
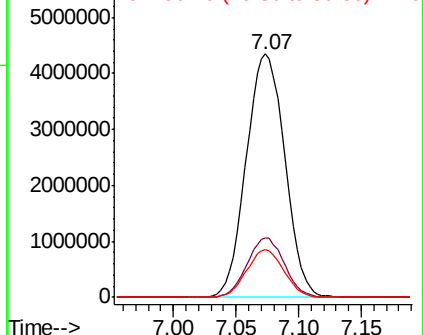


Abundance

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



#38

Trichloroethene

Concen: 0.527 ppbv

RT: 8.03 min Scan# 2161

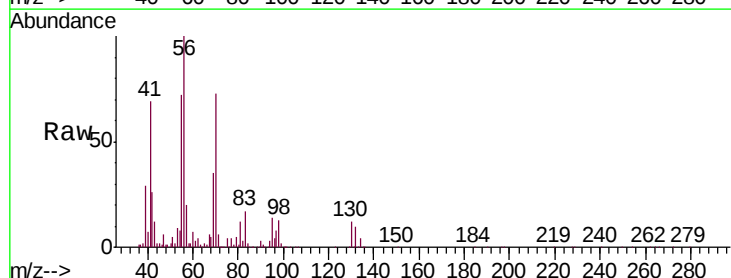
Delta R.T. 0.01 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Tgt Ion: 130 Resp: 64344

Ion	Ratio	Lower	Upper
130	100		
95	107.2	96.6	144.8
132	85.5	75.5	113.3
97	28.3	59.8	89.6



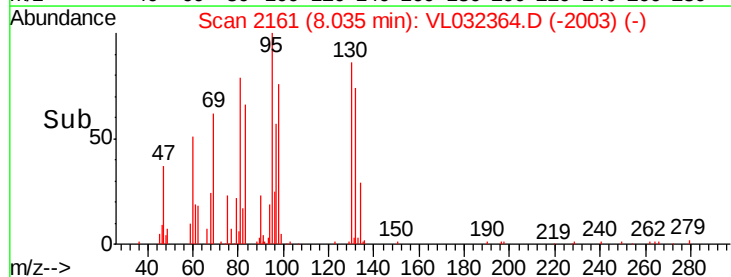
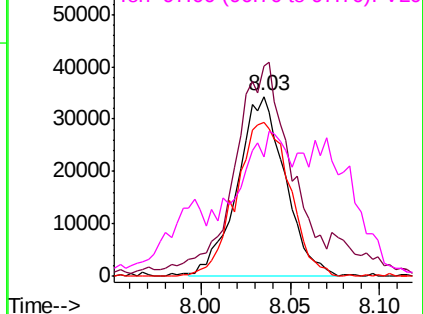
Abundance

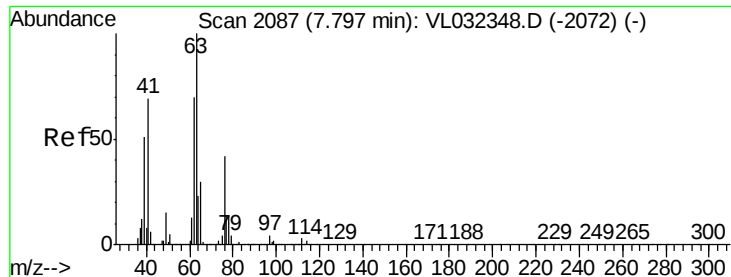
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

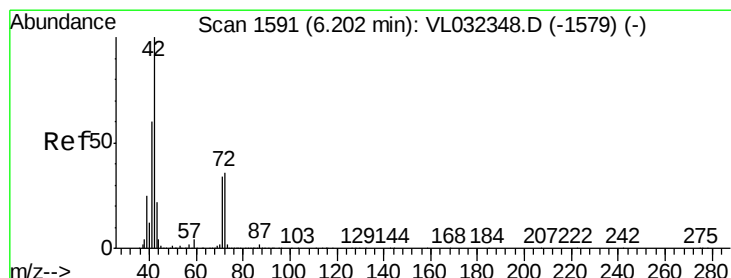
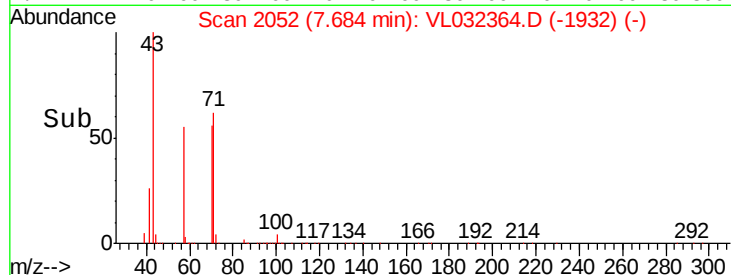
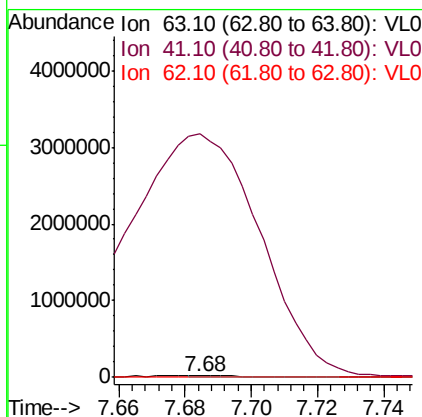
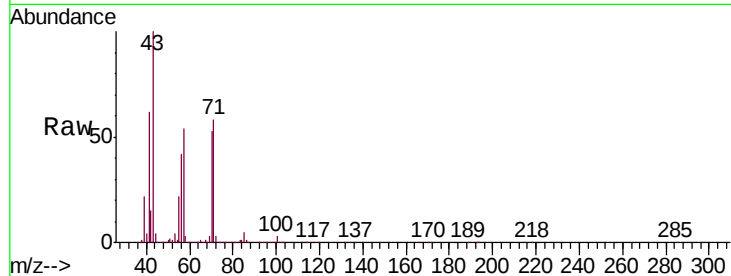




#39
 1,2-Dichloropropane
 Concen: 0.140 ppbv
 RT: 7.68 min Scan# 2052
 Delta R.T. -0.11 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

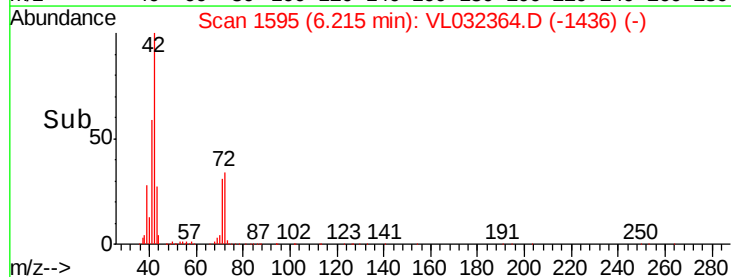
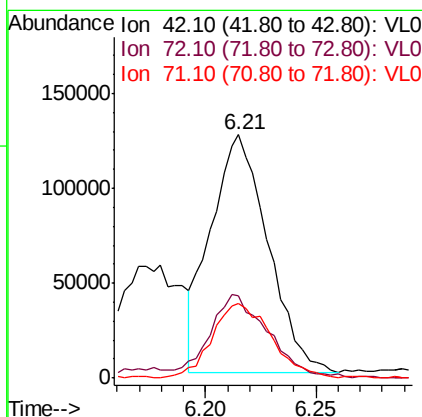
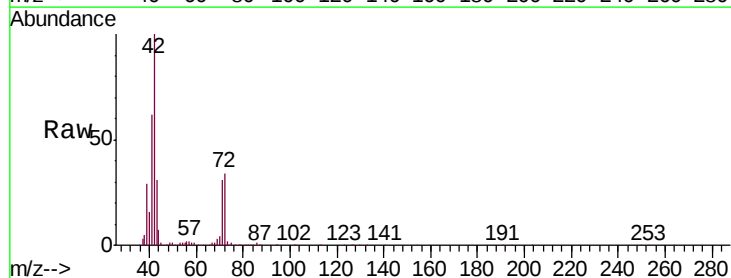
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

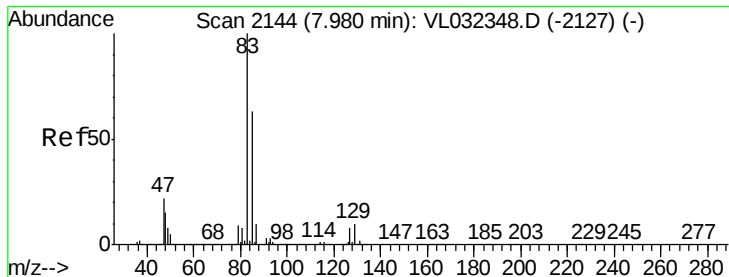
Tgt Ion: 63 Resp: 20360
 Ion Ratio Lower Upper
 63 100
 41 16608.2 55.5 83.3#
 62 39.8 56.3 84.5#



#41
 Tetrahydrofuran
 Concen: 1.507 ppbv
 RT: 6.21 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 42 Resp: 226118
 Ion Ratio Lower Upper
 42 100
 72 40.7 29.8 44.6
 71 33.6 28.2 42.2





#42

Bromodichloromethane

Concen: 3.562 ppbv

RT: 8.00 min Scan# 2149

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

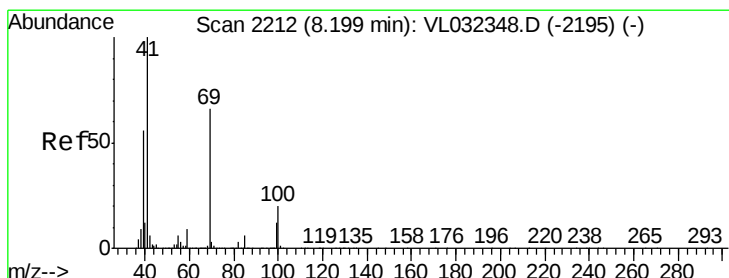
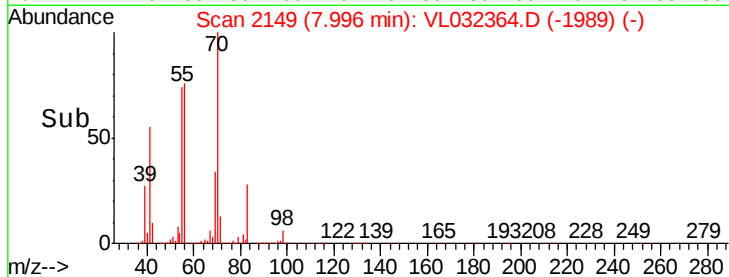
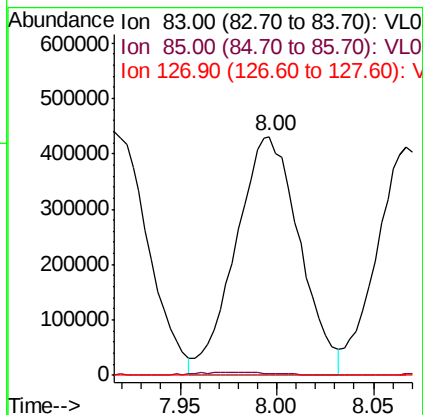
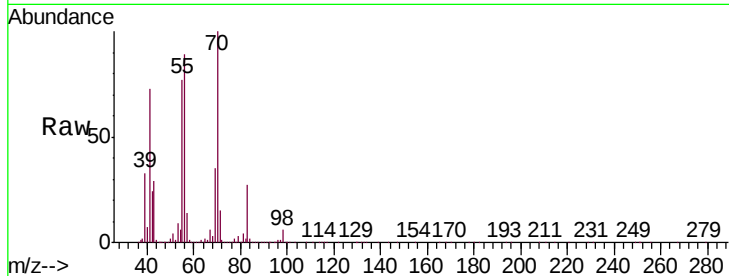
Tgt Ion: 83 Resp: 985433

Ion Ratio Lower Upper

83 100

85 0.3 50.4 75.6#

127 0.0 6.1 9.1#



#43

Methyl Methacrylate

Concen: 1.503 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. 0.14 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

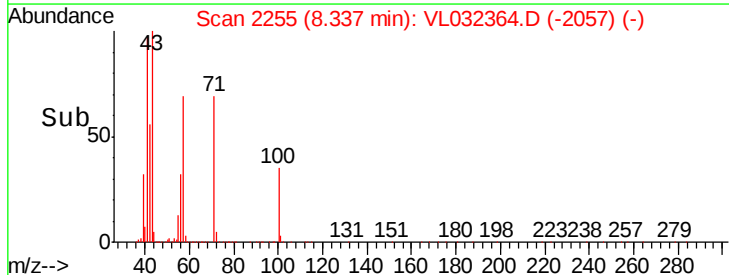
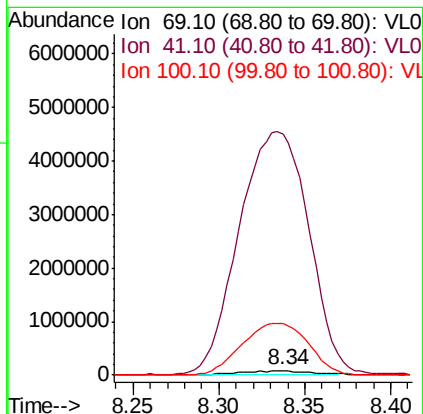
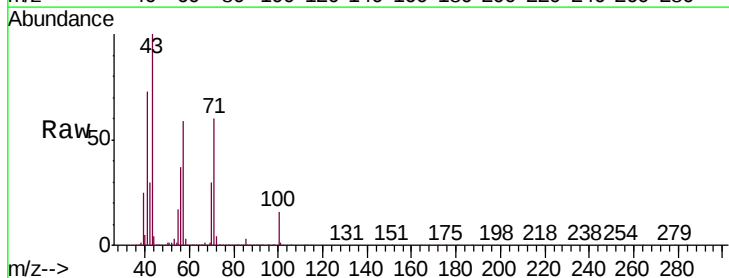
Tgt Ion: 69 Resp: 208498

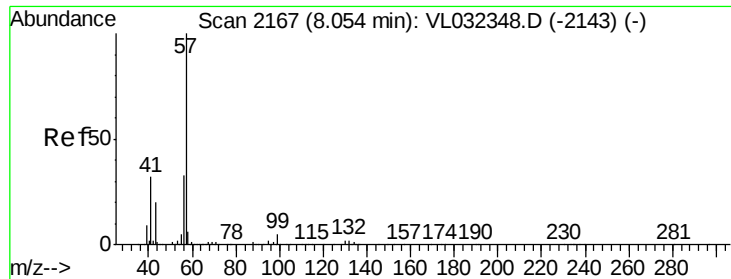
Ion Ratio Lower Upper

69 100

41 6164.0 118.6 177.8#

100 1258.2 23.4 35.2#

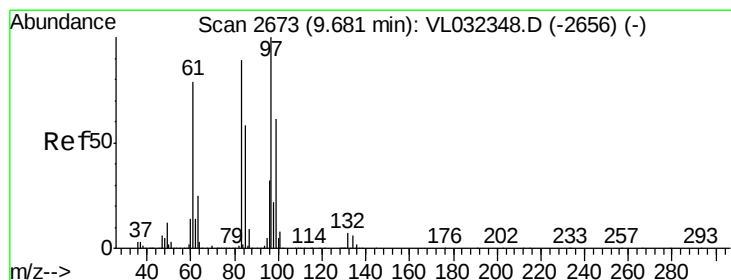
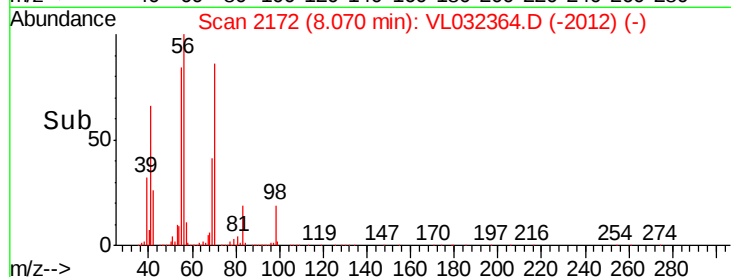
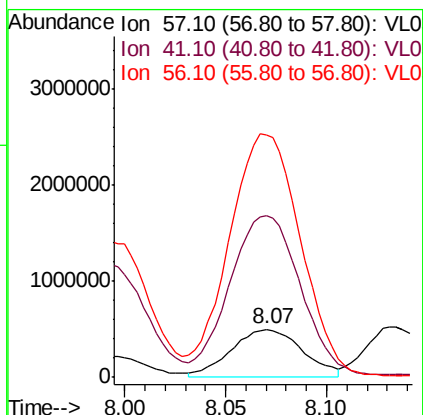
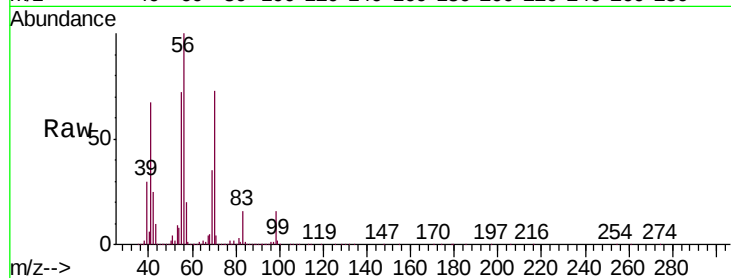




#44
 2,2,4-Trimethylpentane
 Concen: 1.945 ppbv
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.02 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

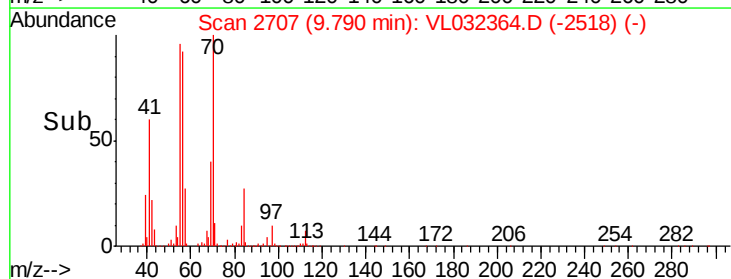
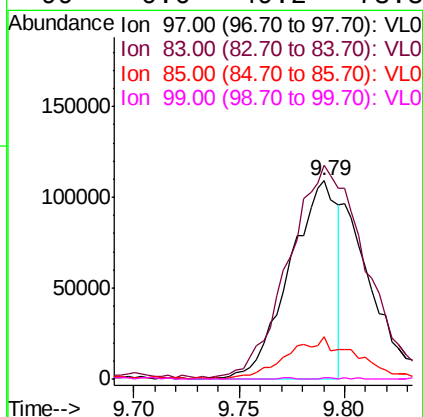
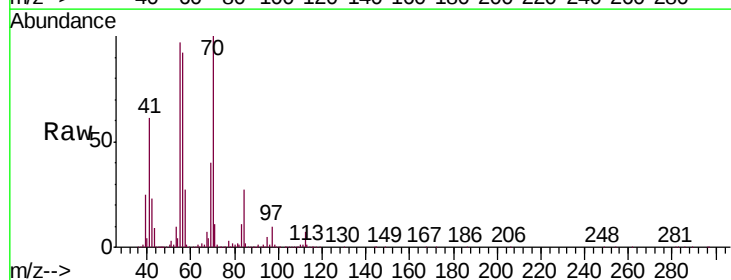
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

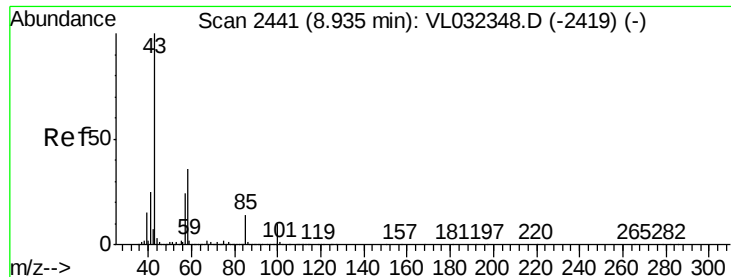
Tgt Ion: 57 Resp: 1221166
 Ion Ratio Lower Upper
 57 100
 41 339.3 24.3 36.5#
 56 517.8 25.7 38.5#



#47
 1,1,2-Trichloroethane
 Concen: 1.068 ppbv
 RT: 9.79 min Scan# 2707
 Delta R.T. 0.11 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 97 Resp: 170932
 Ion Ratio Lower Upper
 97 100
 83 106.9 71.2 106.8#
 85 21.7 46.6 69.8#
 99 0.6 49.2 73.8#

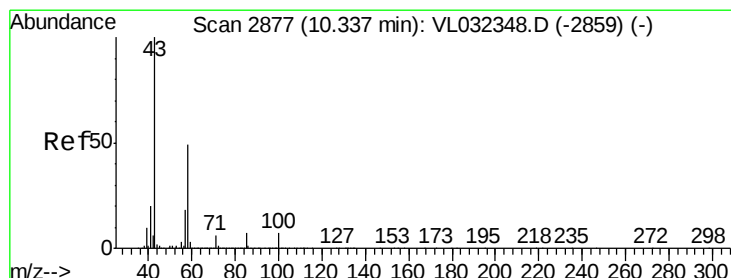
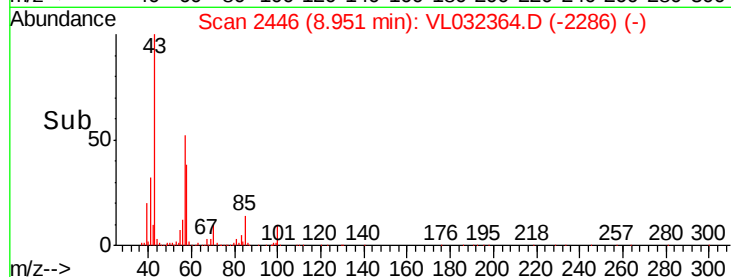
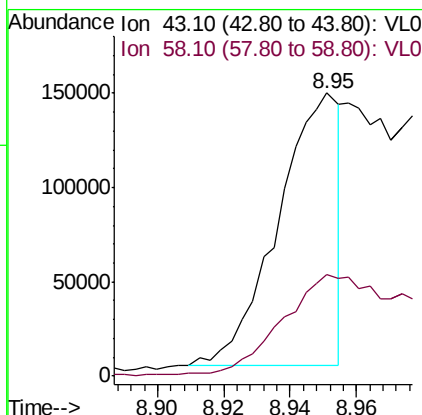
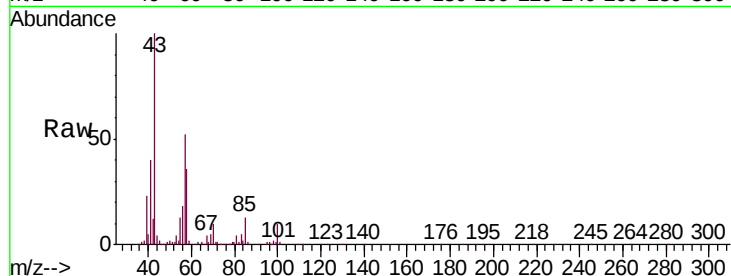




#50
 4-Methyl-2-Pentanone
 Concen: 0.461 ppbv
 RT: 8.95 min Scan# 2446
 Delta R.T. 0.02 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

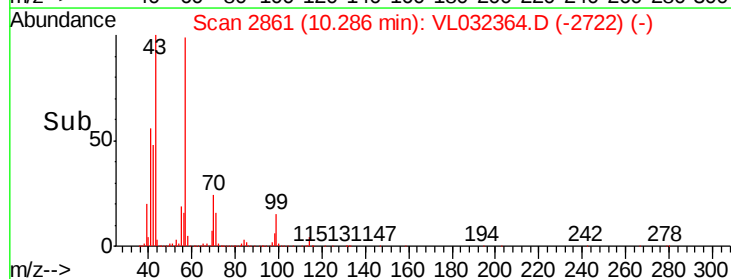
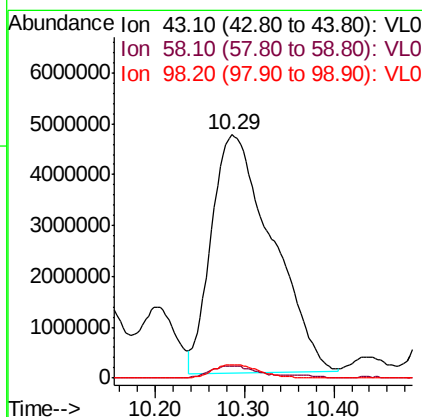
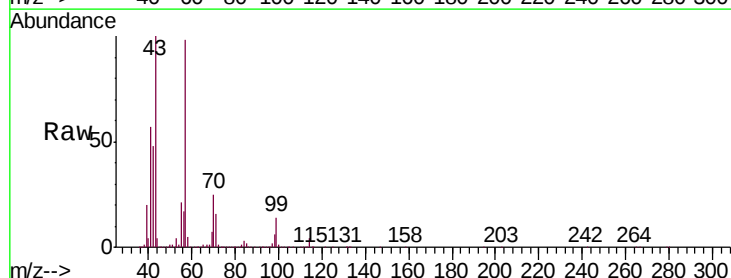
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

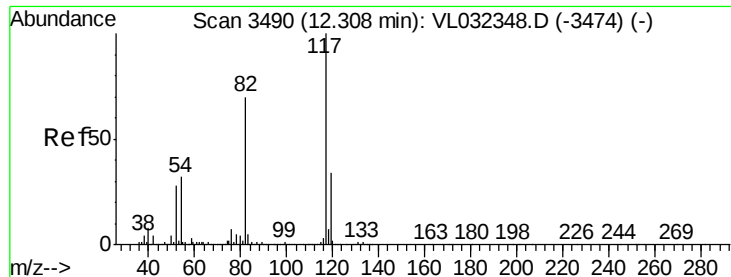
Tgt Ion: 43 Resp: 185991
 Ion Ratio Lower Upper
 43 100
 58 96.6 28.9 43.3#



#51
 2-Hexanone
 Concen: 78.435 ppbv
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.05 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 43 Resp: 22239113
 Ion Ratio Lower Upper
 43 100
 58 4.4 39.5 59.3#
 98 4.4 0.3 0.5#

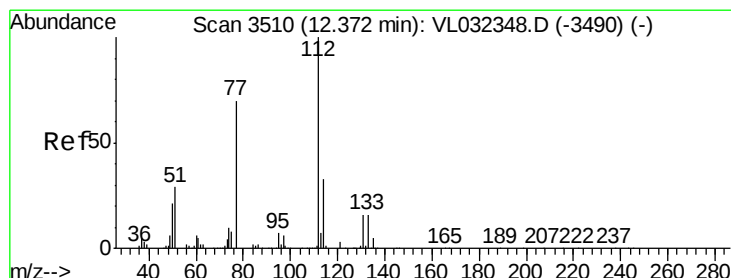
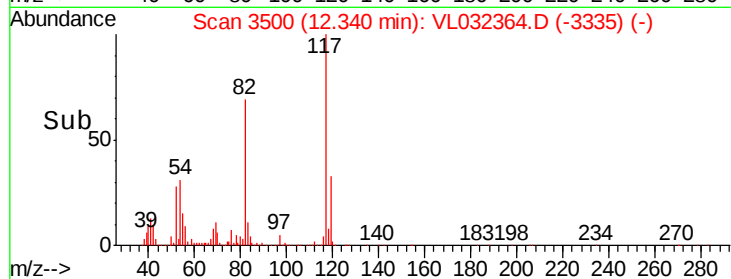
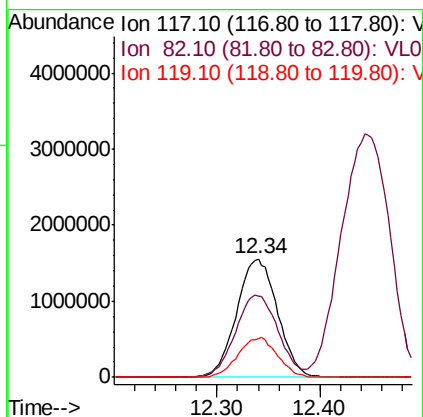
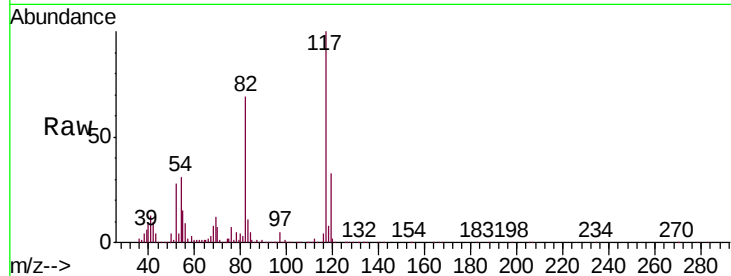




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. 0.03 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

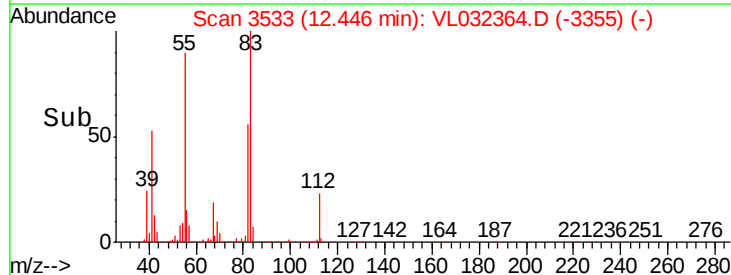
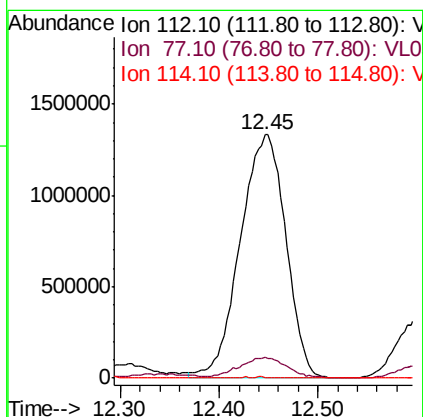
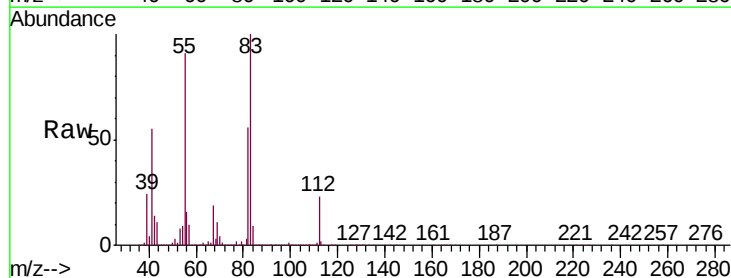
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

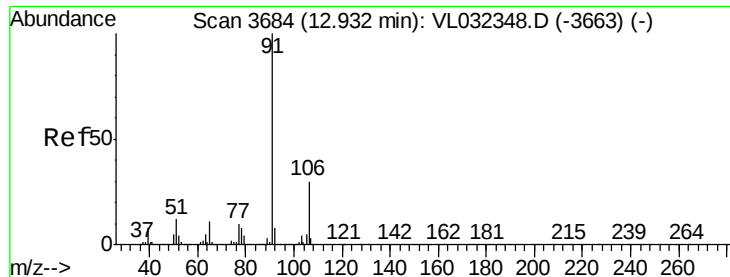
Tgt Ion:117 Resp: 4272019
Ion Ratio Lower Upper
117 100
82 72.8 55.1 82.7
119 32.7 46.0 69.0#



#57
Chlorobenzene
Concen: 13.183 ppbv
RT: 12.45 min Scan# 3533
Delta R.T. 0.07 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

Tgt Ion:112 Resp: 4239372
Ion Ratio Lower Upper
112 100
77 8.2 56.6 84.8#
114 0.4 29.4 36.0#





#58

Ethyl Benzene

Concen: 36.842 ppbv

RT: 12.97 min Scan# 3695

Delta R.T. 0.04 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

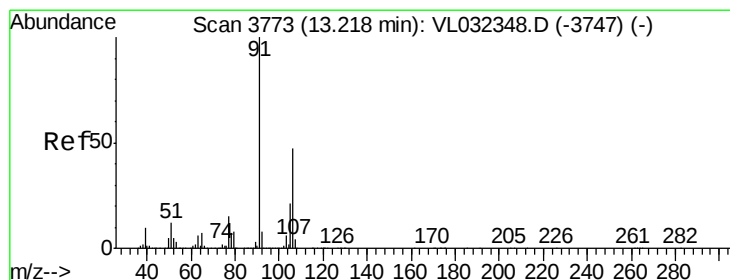
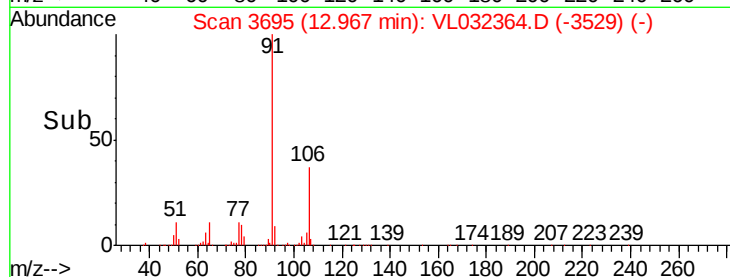
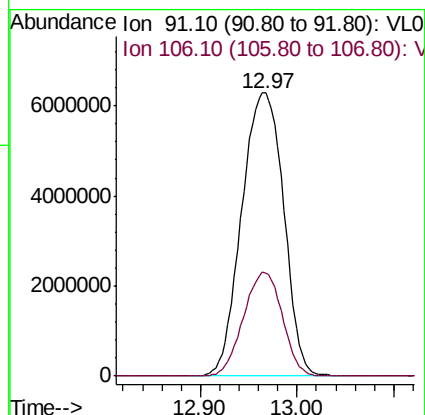
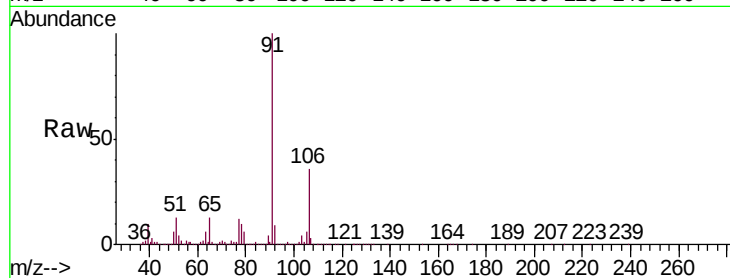
SS08-MIVI

Tgt Ion: 91 Resp:18936041

Ion Ratio Lower Upper

91 100

106 36.5 24.3 36.5



#59

m/p-Xylene

Concen: 77.088 ppbv

RT: 13.23 min Scan# 3776

Delta R.T. 0.01 min

Lab File: VL032364.D

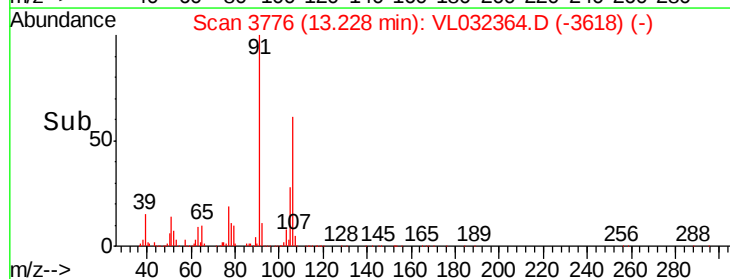
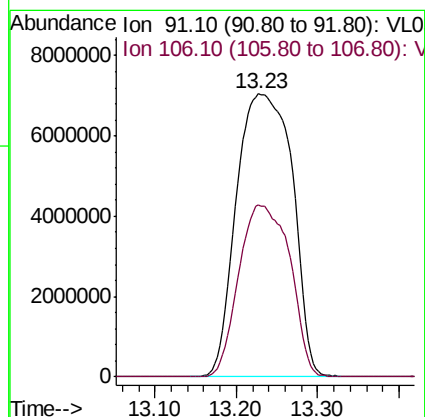
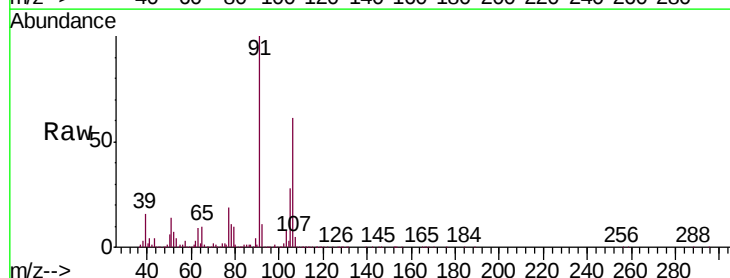
Acq: 15 Aug 2018 23:15

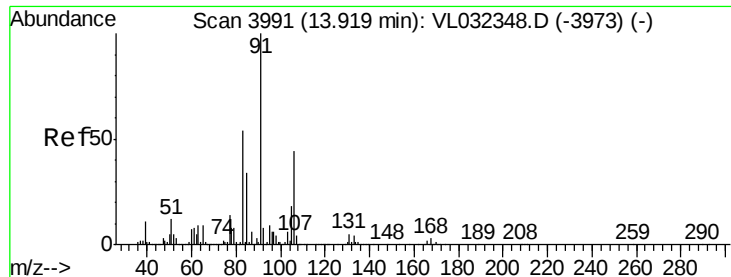
Tgt Ion: 91 Resp:33657838

Ion Ratio Lower Upper

91 100

106 55.6 37.0 55.4#

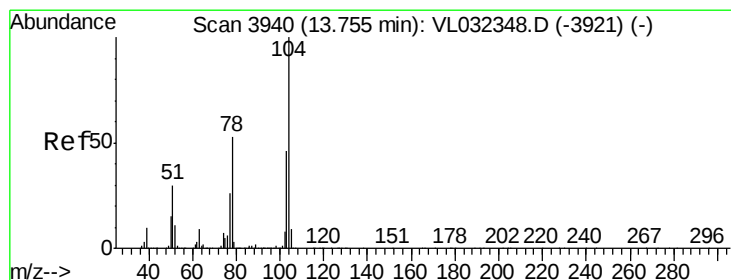
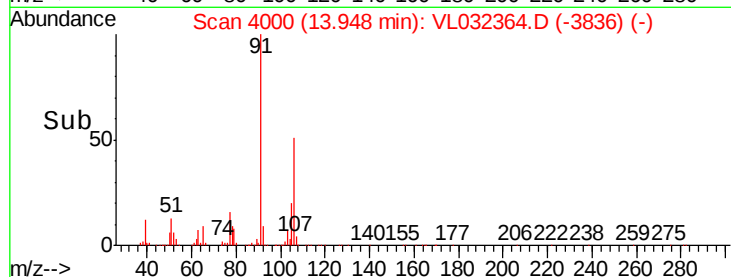
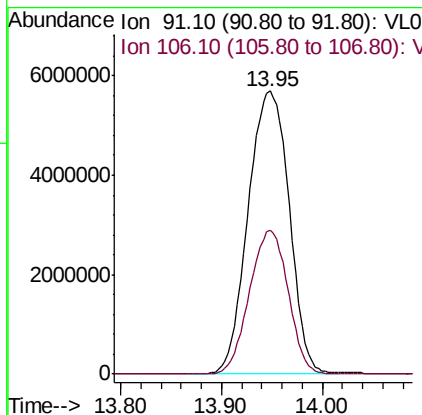
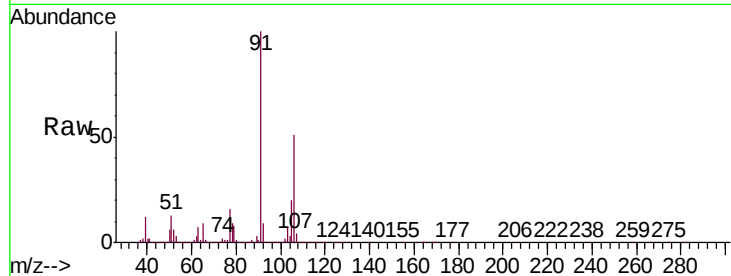




#60
o-Xylene
Concen: 37.434 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. 0.03 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

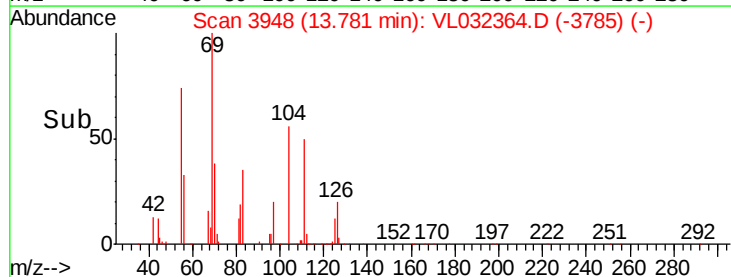
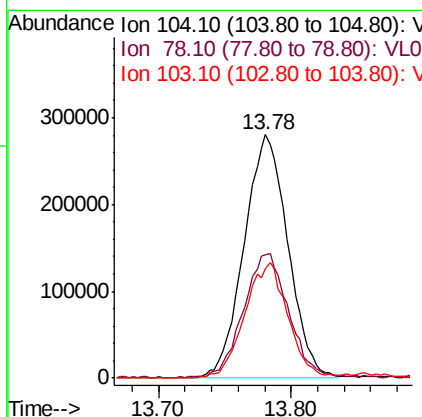
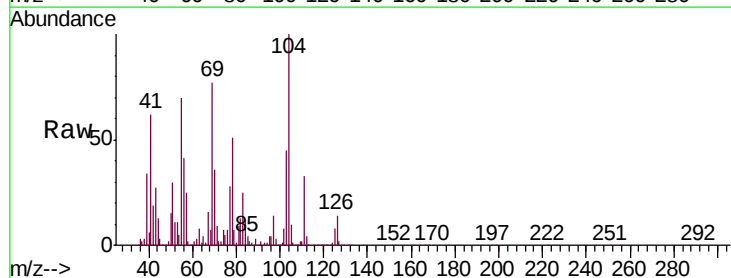
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

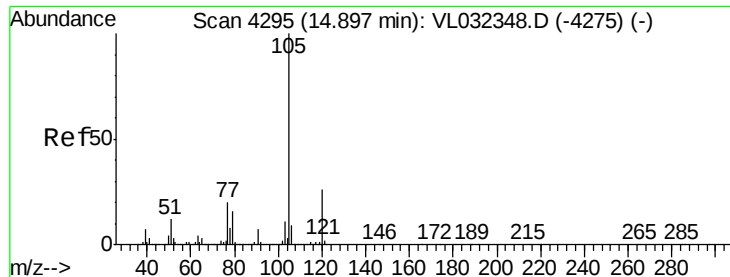
Tgt Ion: 91 Resp: 16064378
Ion Ratio Lower Upper
91 100
106 48.1 22.3 66.8



#61
Styrene
Concen: 2.149 ppbv
RT: 13.78 min Scan# 3948
Delta R.T. 0.03 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

Tgt Ion: 104 Resp: 644590
Ion Ratio Lower Upper
104 100
78 52.6 42.6 64.0
103 46.4 38.0 57.0





#62

Isopropylbenzene

Concen: 4.782 ppbv

RT: 14.92 min Scan# 4301

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampled :

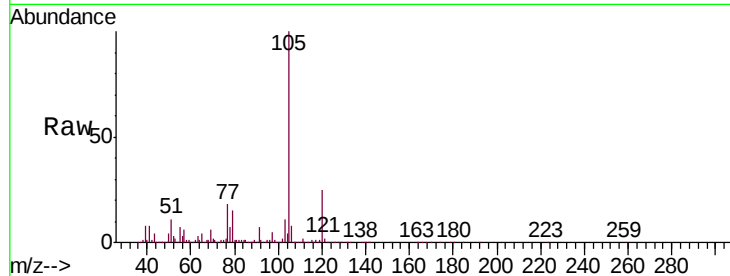
SS08-MIVI

Tgt Ion:105 Resp: 2921178

Ion Ratio Lower Upper

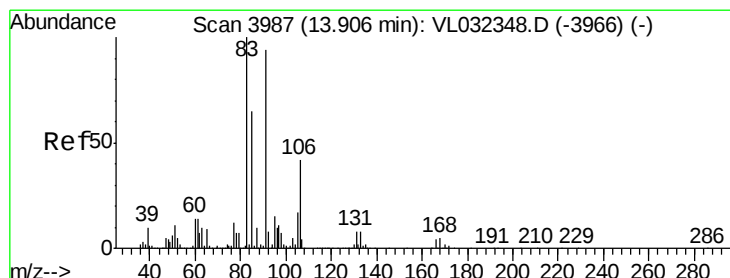
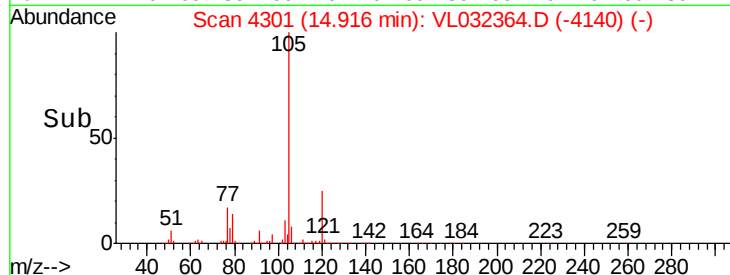
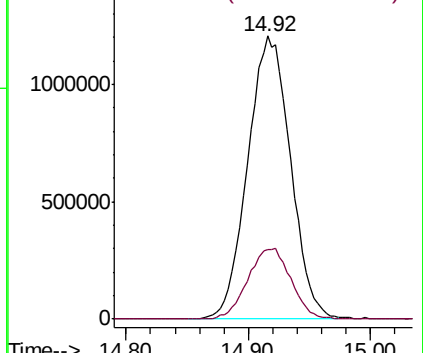
105 100

120 25.4 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 5.256 ppbv

RT: 14.04 min Scan# 4029

Delta R.T. 0.13 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

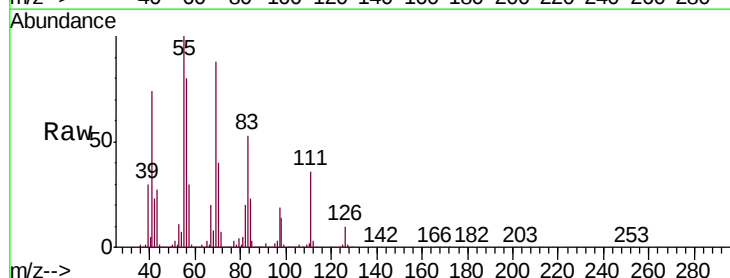
Tgt Ion: 83 Resp: 1896570

Ion Ratio Lower Upper

83 100

131 0.1 4.3 12.8#

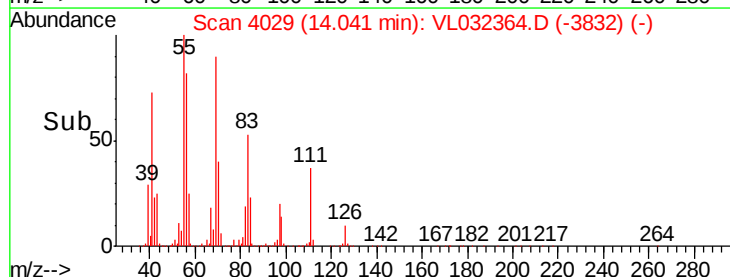
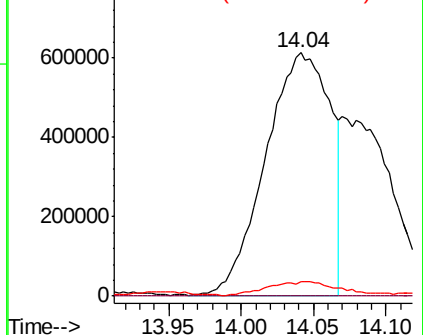
85 6.1 32.4 97.2#

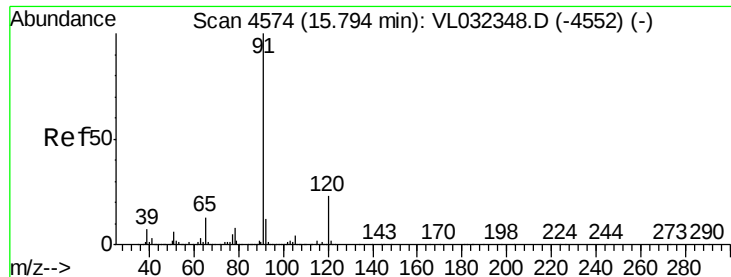


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 6.705 ppbv

RT: 15.81 min Scan# 4580

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

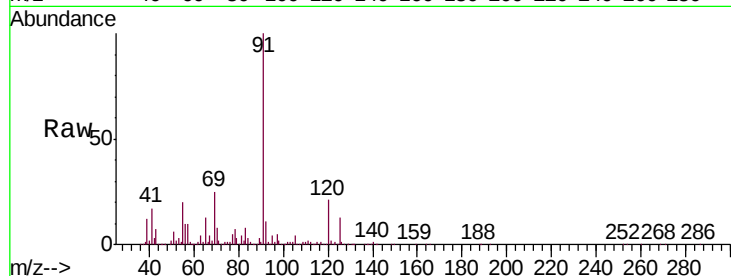
SS08-MIVI

Tgt Ion:120 Resp: 1060042

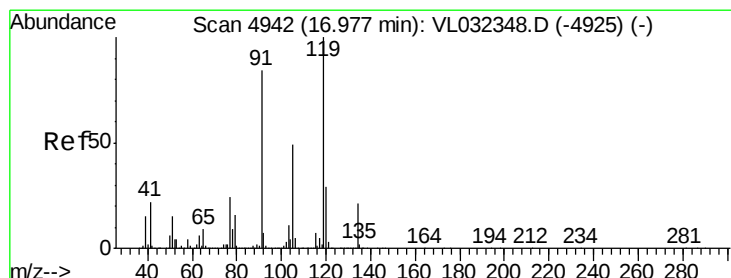
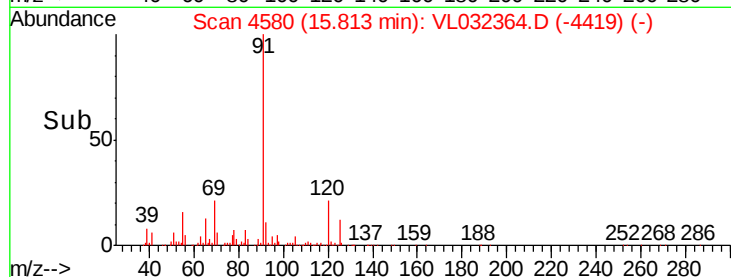
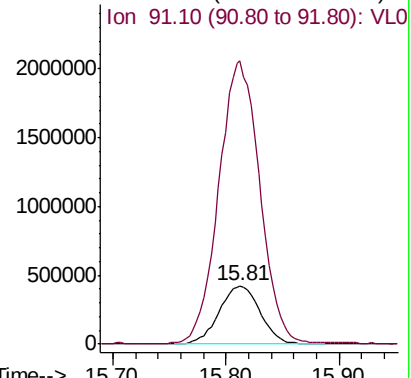
Ion Ratio Lower Upper

120 100

91 487.1 382.2 573.2



Abundance Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 3.883 ppbv

RT: 17.01 min Scan# 4953

Delta R.T. 0.04 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

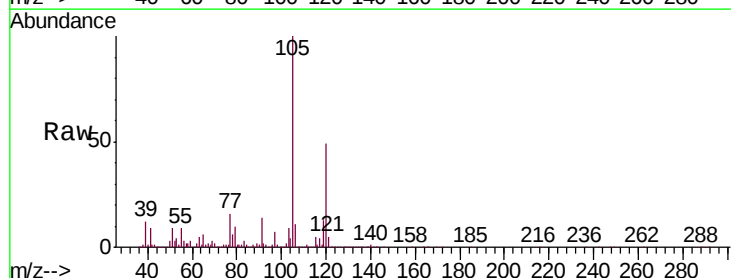
Tgt Ion:119 Resp: 2026414

Ion Ratio Lower Upper

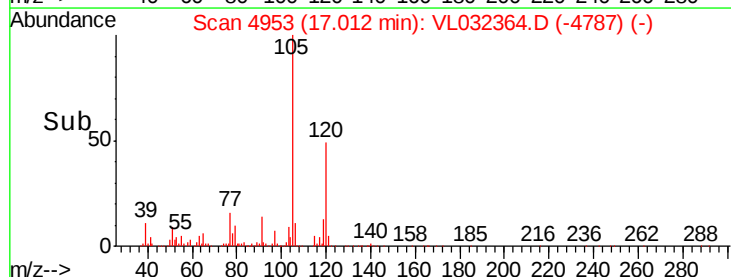
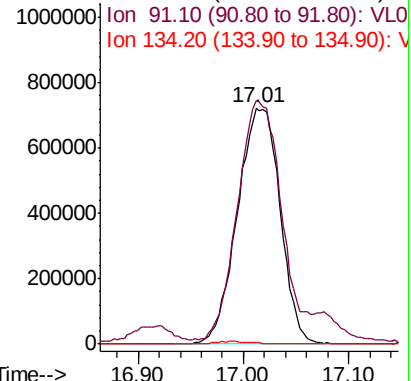
119 100

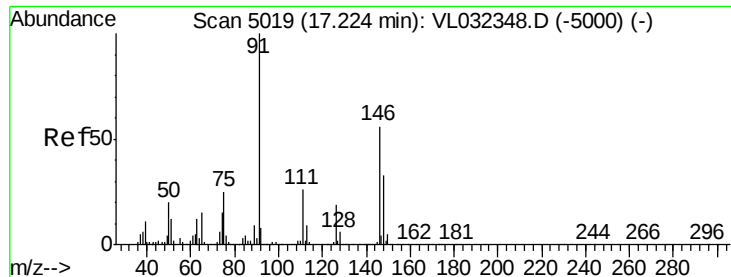
91 115.6 67.4 101.0#

134 1.1 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

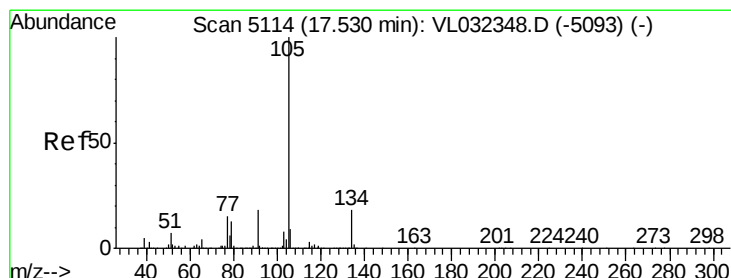
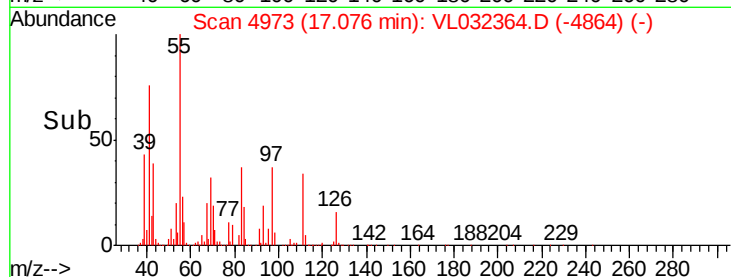
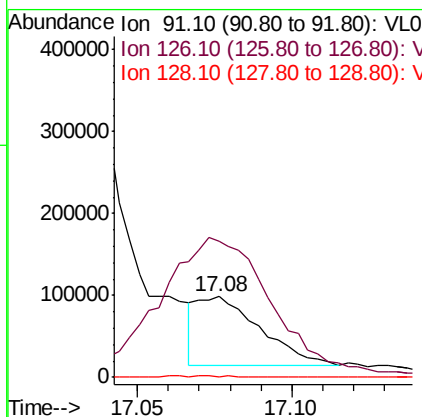
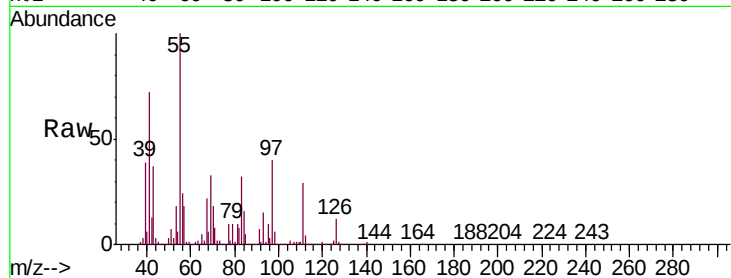




#66
Benzyl Chloride
Concen: 0.385 ppbv
RT: 17.08 min Scan# 4973
Delta R.T. -0.15 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

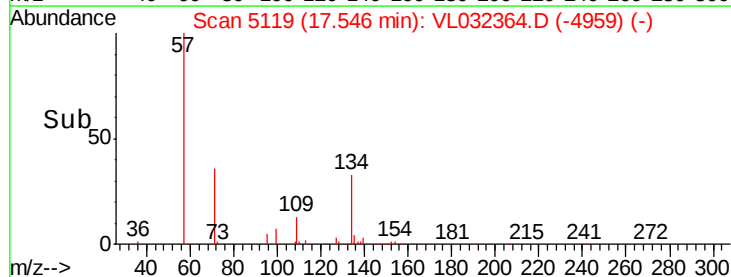
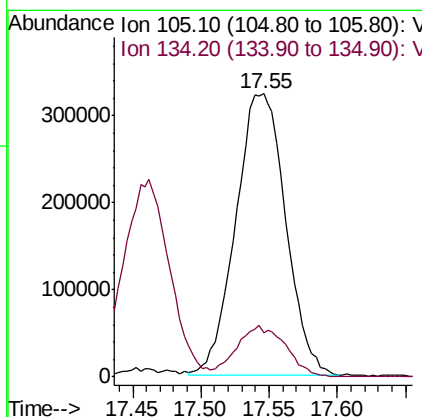
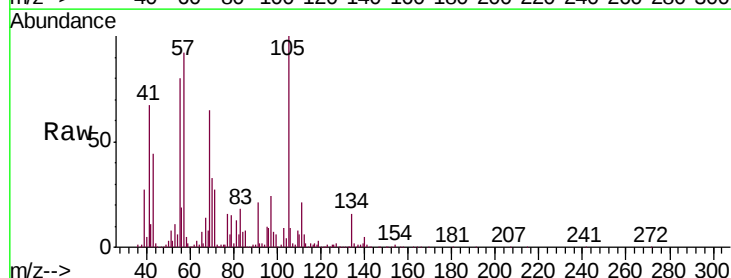
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

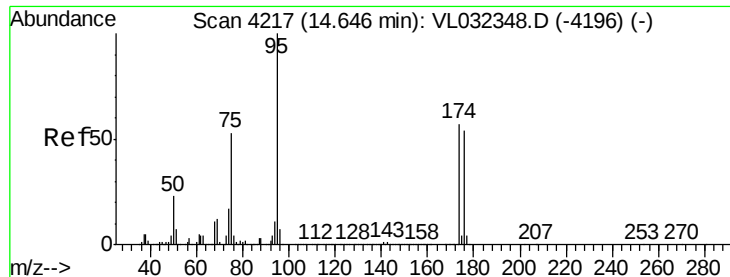
Tgt Ion: 91 Resp: 118895
Ion Ratio Lower Upper
91 100
126 367.6 14.2 21.4#
128 3.4 4.5 6.7#



#67
sec-Butylbenzene
Concen: 1.060 ppbv
RT: 17.55 min Scan# 5119
Delta R.T. 0.02 min
Lab File: VL032364.D
Acq: 15 Aug 2018 23:15

Tgt Ion: 105 Resp: 822780
Ion Ratio Lower Upper
105 100
134 18.1 14.4 21.6

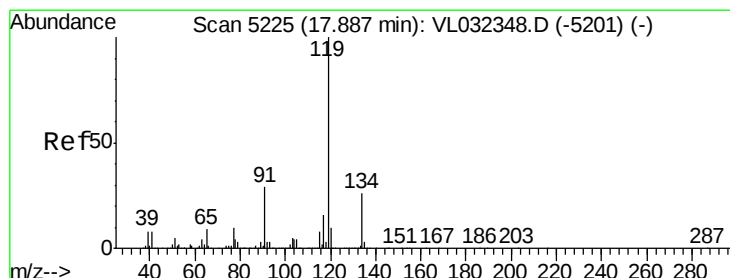
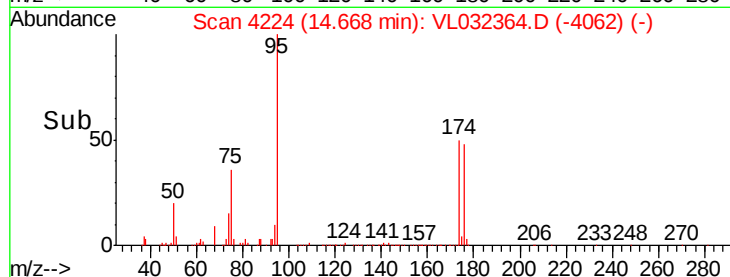
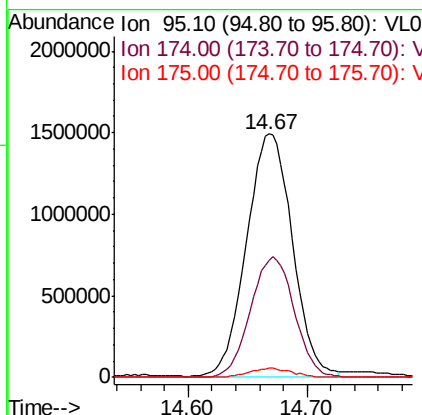
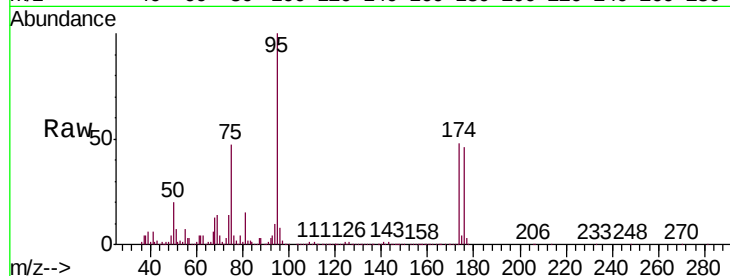




#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.142 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. 0.02 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

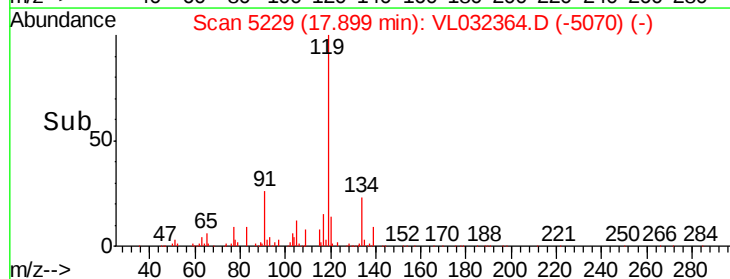
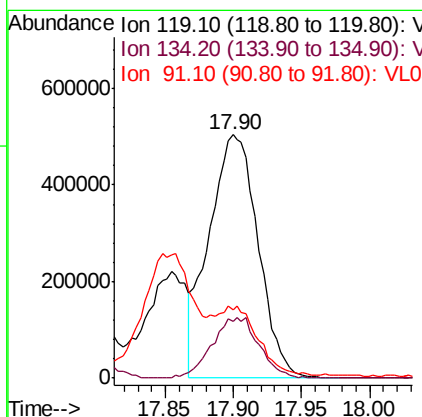
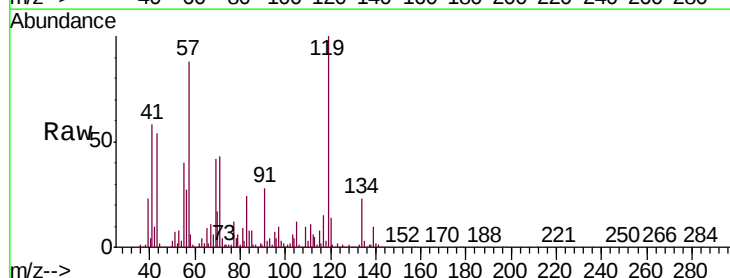
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

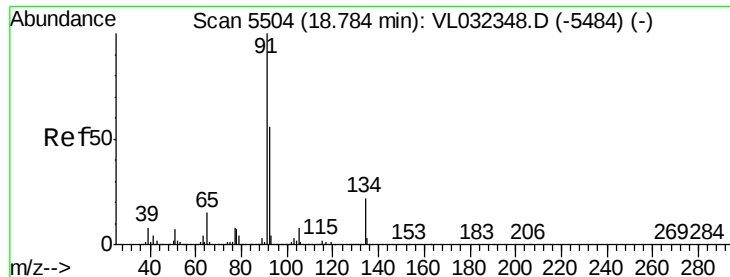
Tgt Ion: 95 Resp: 3957280
 Ion Ratio Lower Upper
 95 100
 174 47.9 46.2 69.4
 175 3.6 3.4 5.0



#69
 p-Isopropyltoluene
 Concen: 2.119 ppbv
 RT: 17.90 min Scan# 5229
 Delta R.T. 0.01 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion: 119 Resp: 1258171
 Ion Ratio Lower Upper
 119 100
 134 23.8 20.4 30.6
 91 21.4 23.6 35.4#





#70

n-Butylbenzene

Concen: 3.225 ppbv

RT: 18.80 min Scan# 5510

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

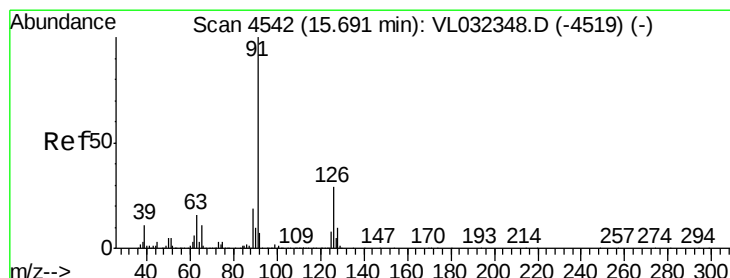
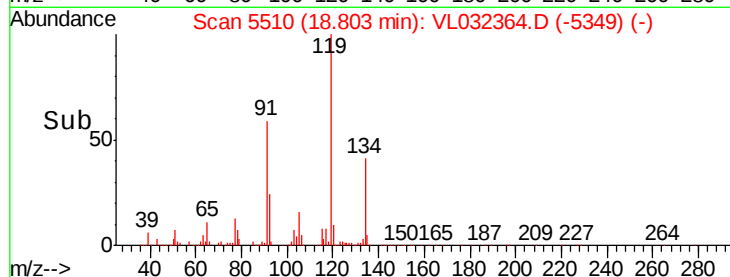
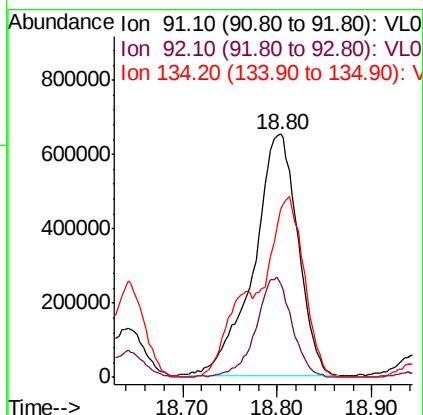
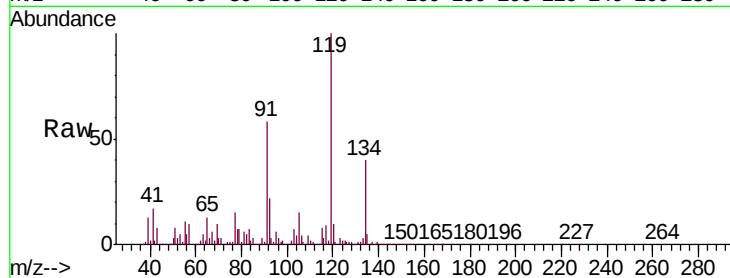
Tgt Ion: 91 Resp: 2100067

Ion Ratio Lower Upper

91 100

92 33.5 43.9 65.9#

134 84.1 17.3 25.9#



#71

2-Chlorotoluene

Concen: 0.417 ppbv

RT: 15.57 min Scan# 4503

Delta R.T. -0.13 min

Lab File: VL032364.D

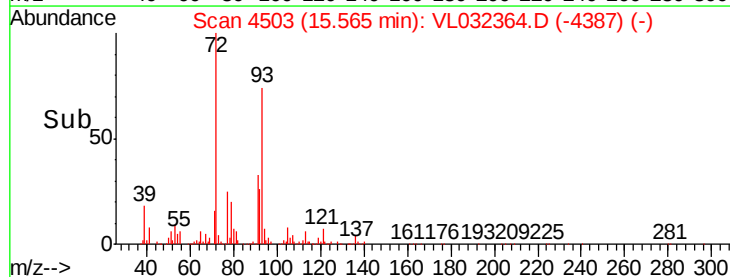
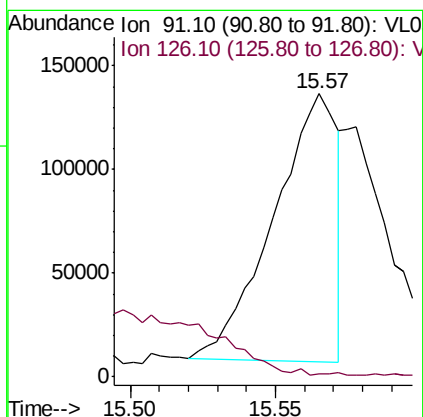
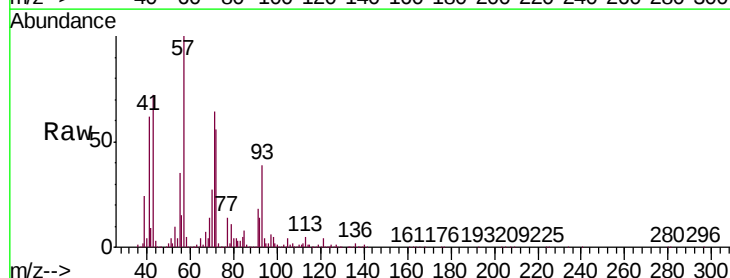
Acq: 15 Aug 2018 23:15

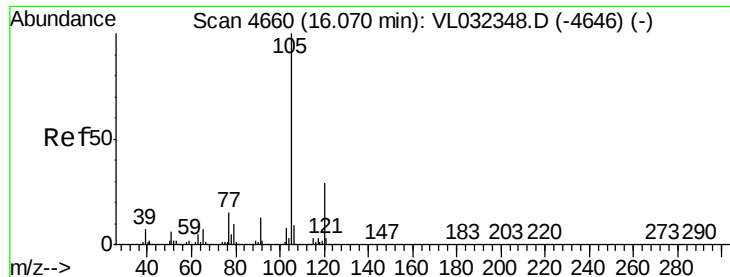
Tgt Ion: 91 Resp: 197206

Ion Ratio Lower Upper

91 100

126 45.5 11.8 47.2





#72

4-Ethyltoluene

Concen: 16.788 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. 0.02 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

Tgt Ion:105 Resp: 8035712

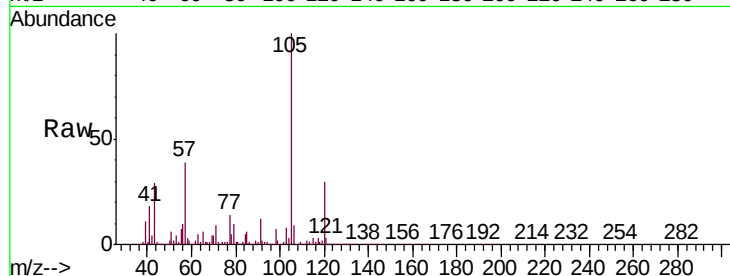
Ion Ratio Lower Upper

105 100

120 30.2 23.4 35.0

91 12.8 10.0 15.0

77 14.3 11.3 16.9

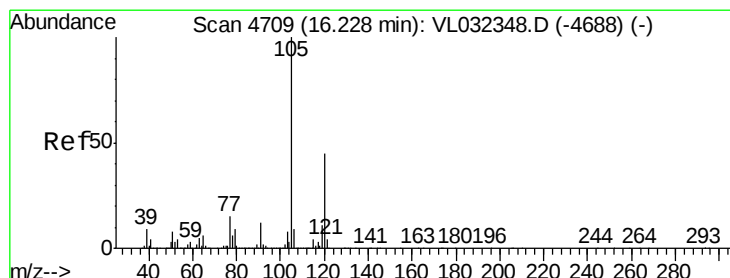
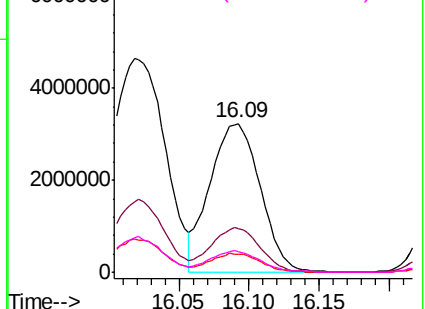
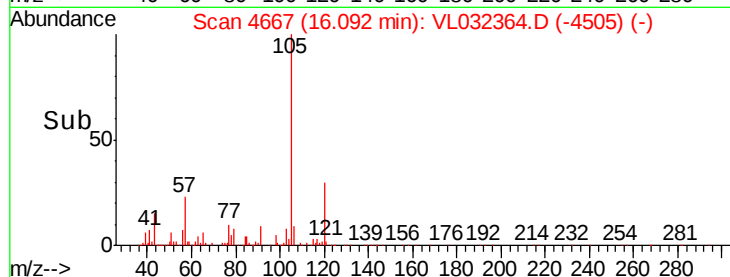


Abundance Ion 105.10 (104.80 to 105.80): V

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: 16.353 ppbv

RT: 16.24 min Scan# 4714

Delta R.T. 0.02 min

Lab File: VL032364.D

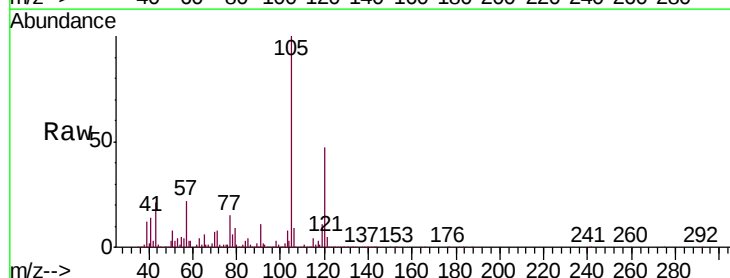
Acq: 15 Aug 2018 23:15

Tgt Ion:105 Resp: 7529026

Ion Ratio Lower Upper

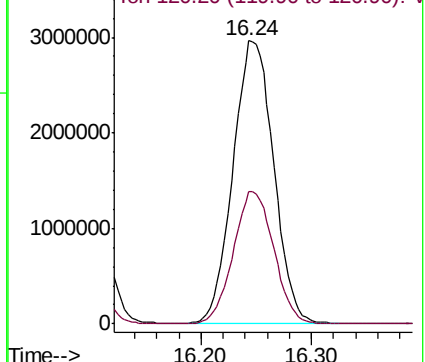
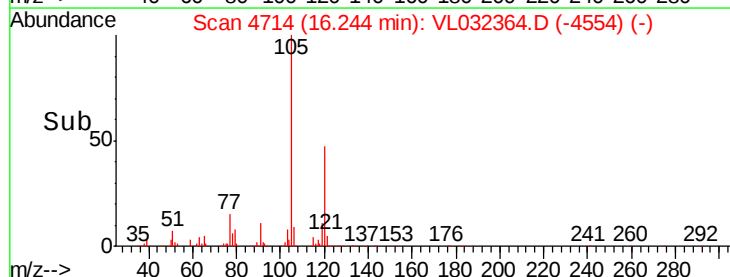
105 100

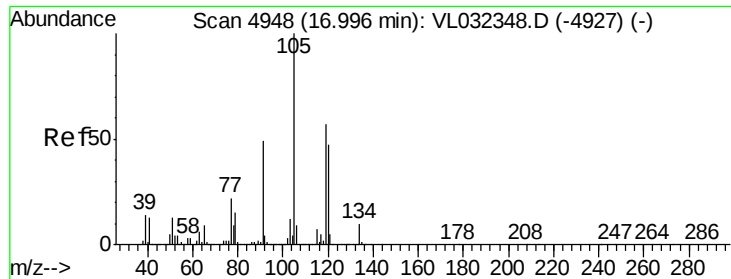
120 46.9 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

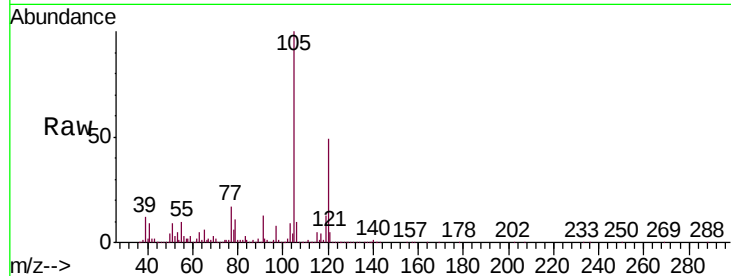




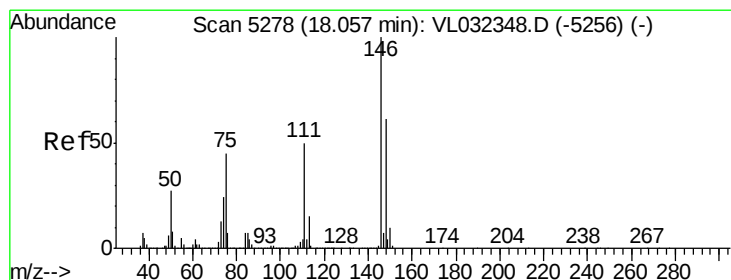
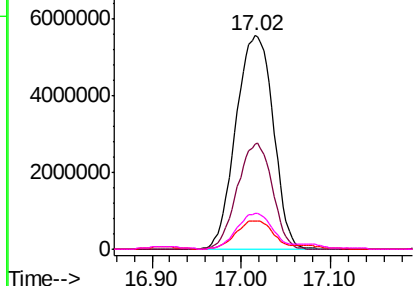
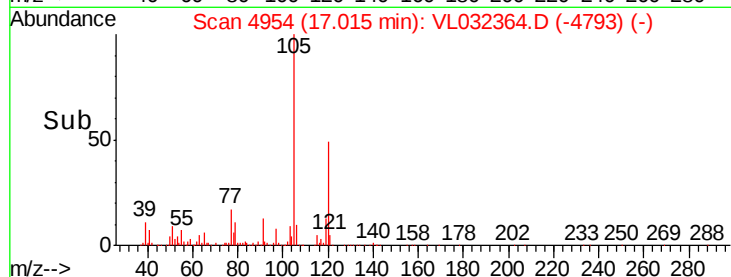
#74
 1,2,4-Trimethylbenzene
 Concen: 33.121 ppbv
 RT: 17.02 min Scan# 4954
 Delta R.T. 0.02 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

Tgt Ion:105 Resp:16225110
 Ion Ratio Lower Upper
 105 100
 120 49.1 37.6 56.4
 91 13.0 39.9 59.9#
 77 16.3 17.8 26.8#

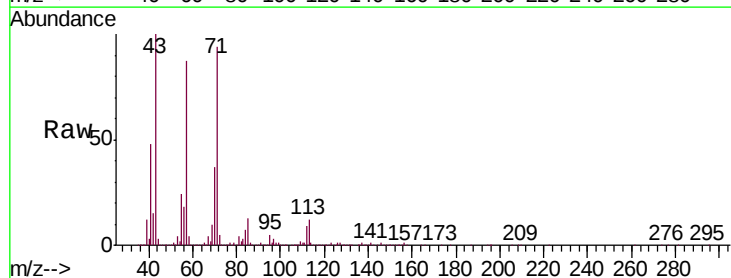


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

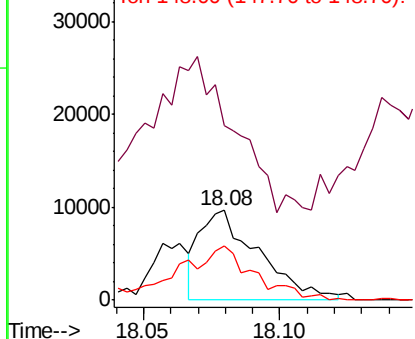
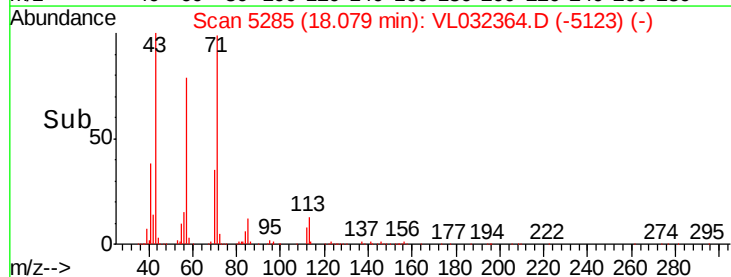


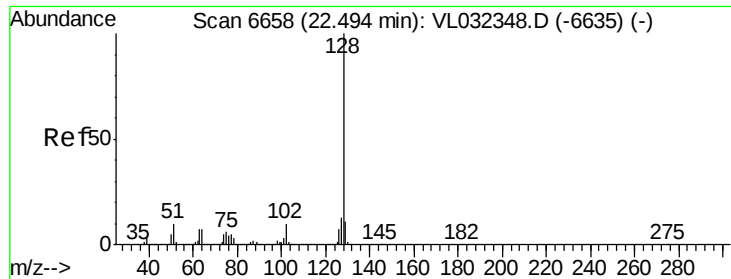
#77
 1,2-Dichlorobenzene
 Concen: 0.052 ppbv
 RT: 18.08 min Scan# 5285
 Delta R.T. 0.02 min
 Lab File: VL032364.D
 Acq: 15 Aug 2018 23:15

Tgt Ion:146 Resp: 14488
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.2 75.6#
 148 81.4 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 1.148 ppbv

RT: 22.50 min Scan# 6660

Delta R.T. 0.01 min

Lab File: VL032364.D

Acq: 15 Aug 2018 23:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

Tgt Ion:128 Resp: 388808

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.2 8.6 13.0

