

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032256.D
 Acq On : 13 Jul 2018 22:08
 Operator : SY/AP
 Sample : J3753-01DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

Quant Time: Jul 14 03:19:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 04:25:14 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1514705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3441808	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3942952	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3044221	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.13	85	75890	0.348 ppbv	92
3) Chlorodifluoromethane	3.07	51	109377	0.588 ppbv #	89
4) Chloromethane	3.22	50	33170	0.313 ppbv	98
7) Chloroethane	3.66	64	80707	2.246 ppbv	97
9) Propene	3.09	41	108689	1.370 ppbv	96
10) Heptane	8.33	43	149993	0.666 ppbv	95
11) Trichlorofluoromethane	4.07	101	88614	0.425 ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.62	101	196821	1.477 ppbv	99
13) Ethanol	3.74	45	7365240	321.580 ppbv	96
15) Acetone	3.96	43	5559597	31.630 ppbv	100
16) 1,3-Butadiene	3.40	39	91946	1.035 ppbv #	12
17) tert-Butyl alcohol	4.46	59	697391	8.498 ppbv	99
18) 1,1-Dichloroethene	4.42	96	70333	1.134 ppbv	92
19) Isopropyl Alcohol	4.12	45	4382834	37.975 ppbv #	99
20) Methylene Chloride	4.48	84	769661	12.921 ppbv	96
21) Allyl Chloride	4.46	41	147759	1.436 ppbv #	20
22) trans-1,2-Dichloroethene	5.04	96	53316	0.903 ppbv	97
23) Vinyl Acetate	5.22	43	538712	1.843 ppbv #	81
24) 1,1-Dichloroethane	5.17	63	2507463	12.216 ppbv	98
25) Ethyl Acetate	5.86	43	630405	1.812 ppbv #	87
26) Hexane	5.86	57	668483	4.213 ppbv #	52
29) Chloroform	5.93	83	28708	0.117 ppbv	88
30) Cyclohexane	7.33	84	63597	0.454 ppbv	98
31) cis-1,2-Dichloroethene	5.73	61	7518	0.047 ppbv	95
32) 1,1,1-Trichloroethane	6.70	97	9374088	39.439 ppbv	98
34) 2-Butanone	5.40	43	1101251	4.696 ppbv	98
35) Carbon Tetrachloride	7.22	117	10429	0.045 ppbv #	76
36) Benzene	7.10	78	70906	0.207 ppbv	97
37) 1,2-Dichloroethane	6.70	62	688916	3.679 ppbv #	1
38) Trichloroethene	8.04	130	21089	0.180 ppbv #	75
39) 1,2-Dichloropropane	7.38	63	956958	7.040 ppbv #	26
41) Tetrahydrofuran	6.24	42	52287	0.398 ppbv	96
43) Methyl Methacrylate	8.22	69	4544	0.034 ppbv #	1
44) 2,2,4-Trimethylpentane	8.08	57	1111073	1.889 ppbv	95
50) 4-Methyl-2-Pentanone	8.97	43	158101	0.390 ppbv	98
51) 2-Hexanone	10.37	43	43026	0.127 ppbv #	56
52) Tetrachloroethene	11.47	164	15621	0.124 ppbv #	83
53) Toluene	10.04	91	1493178	3.692 ppbv	98
57) Chlorobenzene	12.39	112	7654	0.023 ppbv #	46
58) Ethyl Benzene	12.96	91	420885	0.733 ppbv #	89
59) m/p-Xylene	13.22	91	1244856	2.635 ppbv	99

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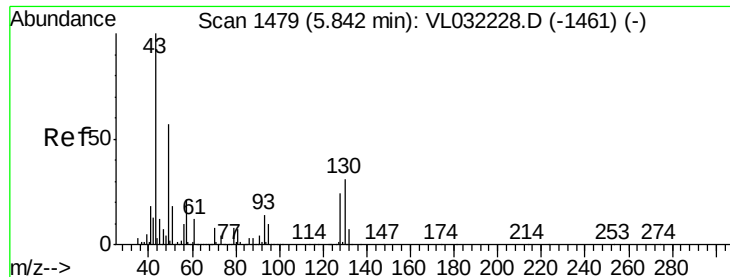
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

Quant Time: Jul 14 03:19:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 04:25:14 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) o-Xylene	13.94	91	478923	1.027	ppbv	99
61) Styrene	13.77	104	9731	0.028	ppbv #	27
62) Isopropylbenzene	14.92	105	25755	0.039	ppbv #	62
64) n-propylbenzene	15.81	120	11645	0.070	ppbv #	1
65) tert-Butylbenzene	17.02	119	23619	0.043	ppbv #	1
66) Benzyl Chloride	17.03	91	27748	0.100	ppbv #	67
67) sec-Butylbenzene	17.55	105	16527	0.021	ppbv #	60
69) p-Isopropyltoluene	17.91	119	2040679	3.276	ppbv	100
71) 2-Chlorotoluene	15.81	91	61470	0.119	ppbv #	46
72) 4-Ethyltoluene	16.09	105	165700	0.317	ppbv #	98
73) 1,3,5-Trimethylbenzene	16.25	105	140395	0.289	ppbv	91
74) 1,2,4-Trimethylbenzene	17.02	105	445439	0.896	ppbv #	72
75) 1,3-Dichlorobenzene	17.27	146	384164	1.295	ppbv #	46
76) 1,4-Dichlorobenzene	17.40	146	6280	0.022	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

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ClientSampleId :

EFFLUENTDUP

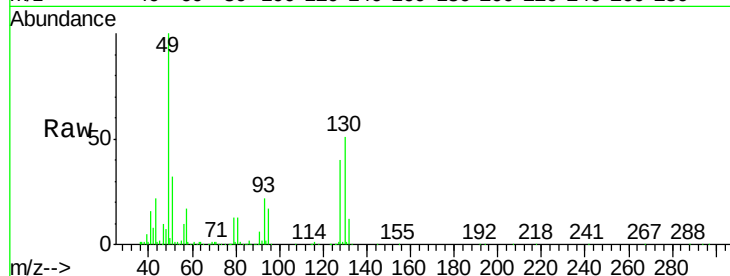
Tgt Ion: 49 Resp: 1514705

Ion Ratio Lower Upper

49 100

128 40.7 20.9 62.8

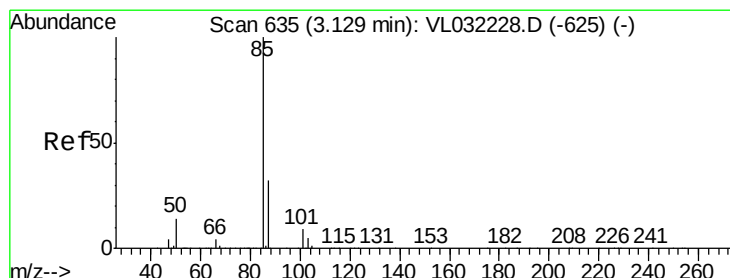
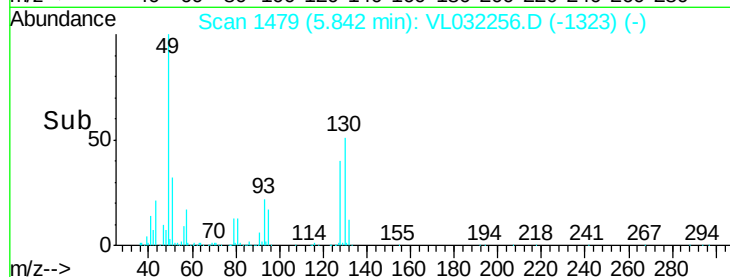
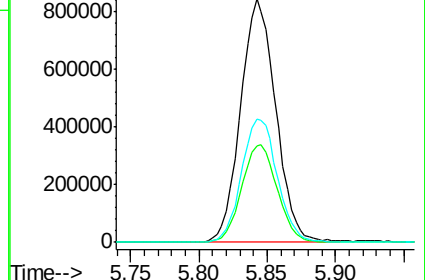
130 52.0 27.0 81.0



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: 0.348 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032256.D

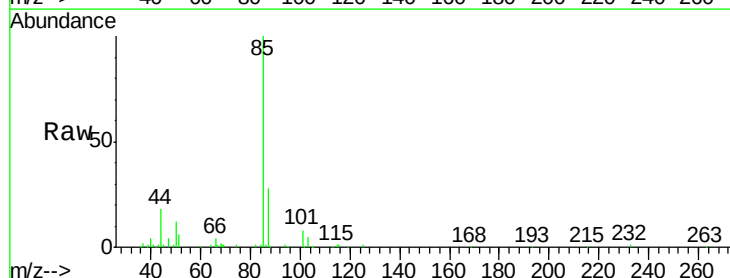
Acq: 13 Jul 2018 22:08

Tgt Ion: 85 Resp: 75890

Ion Ratio Lower Upper

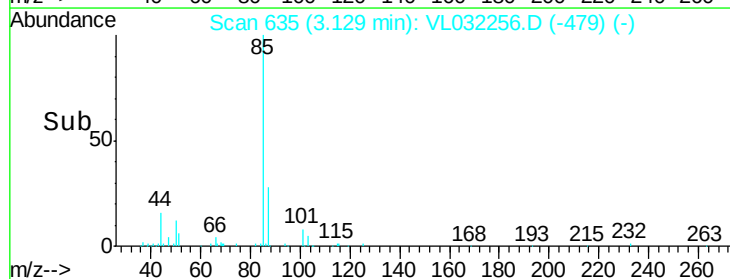
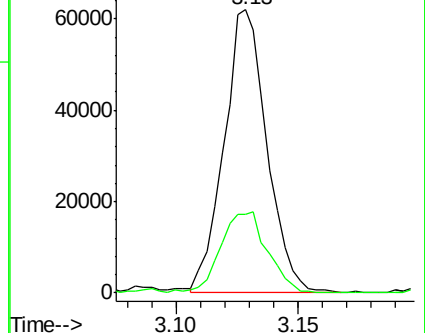
85 100

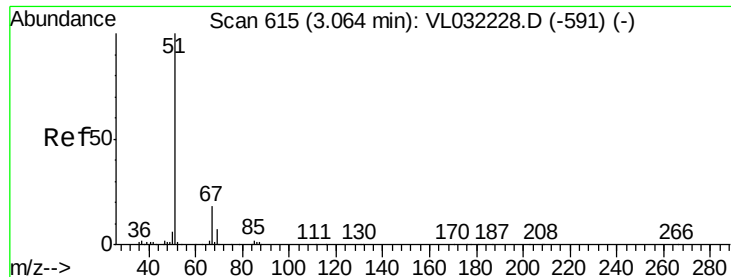
87 27.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.588 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

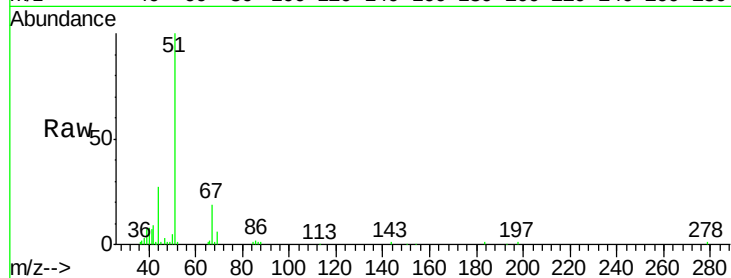
EFFLUENTDUP

Tgt Ion: 51 Resp: 109377

Ion Ratio Lower Upper

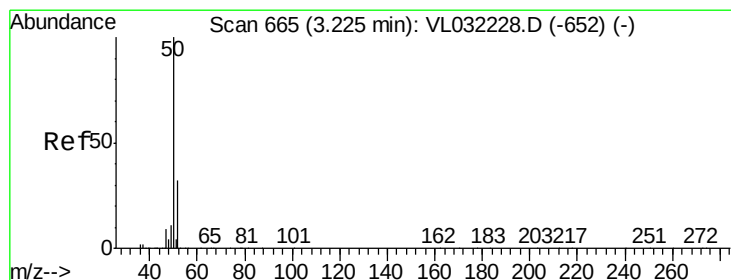
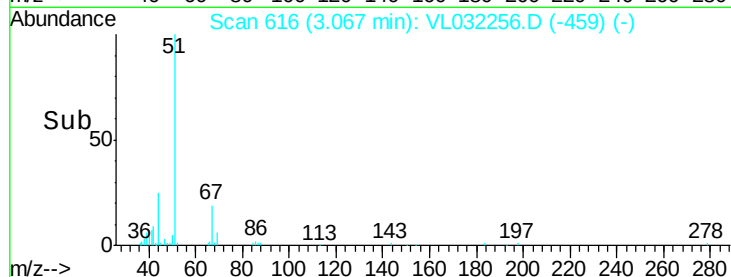
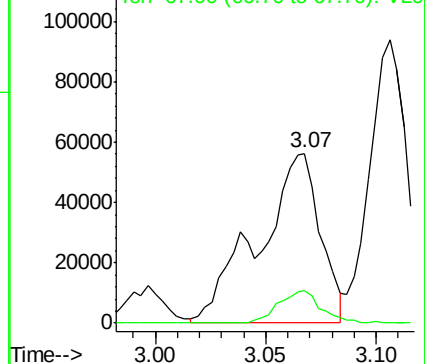
51 100

67 13.3 14.6 22.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.313 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032256.D

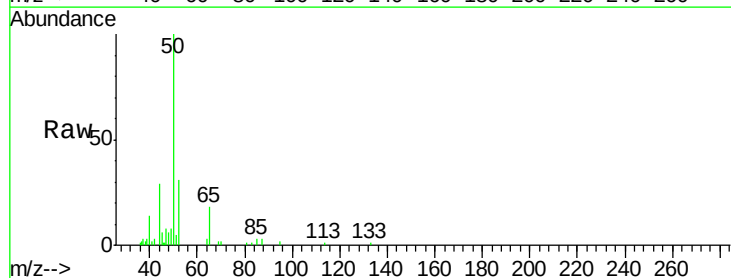
Acq: 13 Jul 2018 22:08

Tgt Ion: 50 Resp: 33170

Ion Ratio Lower Upper

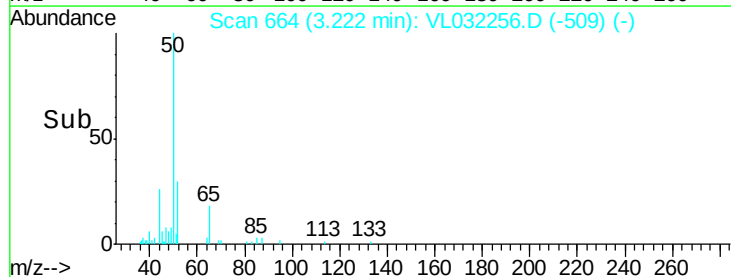
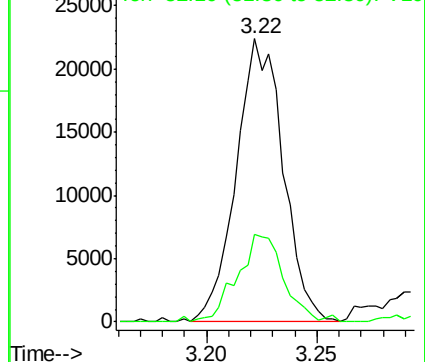
50 100

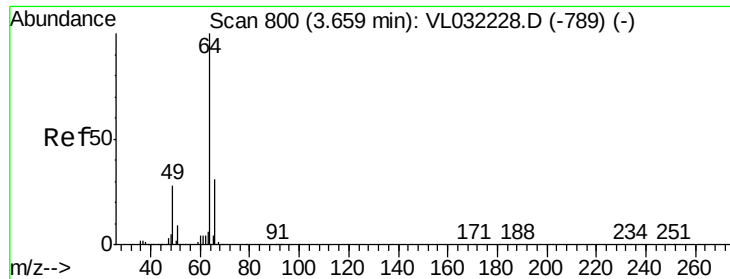
52 31.1 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 2.246 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

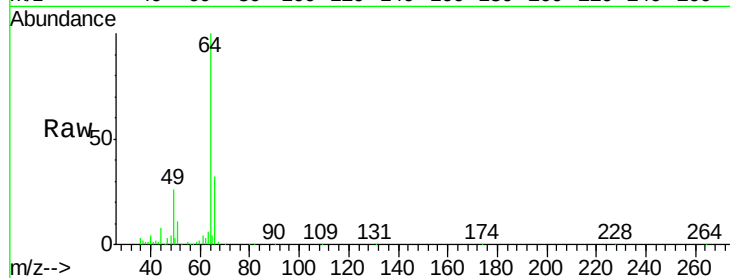
EFFLUENTDUP

Tgt Ion: 64 Resp: 80707

Ion Ratio Lower Upper

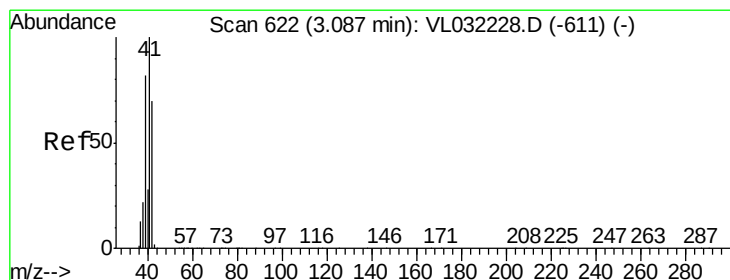
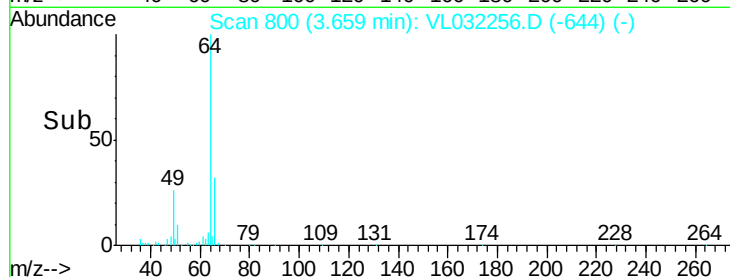
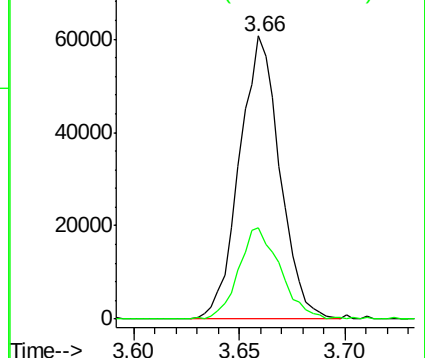
64 100

66 32.1 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 1.370 ppbv

RT: 3.09 min Scan# 623

Delta R.T. 0.00 min

Lab File: VL032256.D

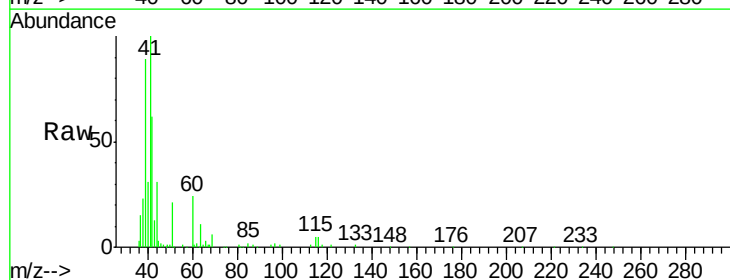
Acq: 13 Jul 2018 22:08

Tgt Ion: 41 Resp: 108689

Ion Ratio Lower Upper

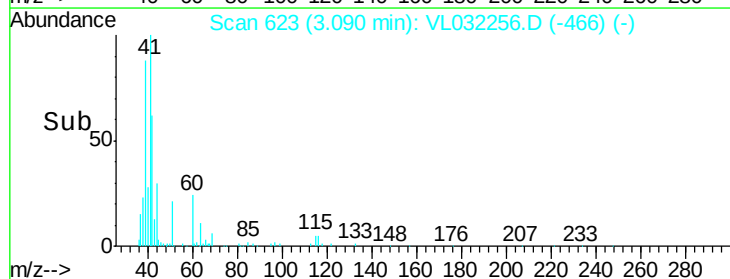
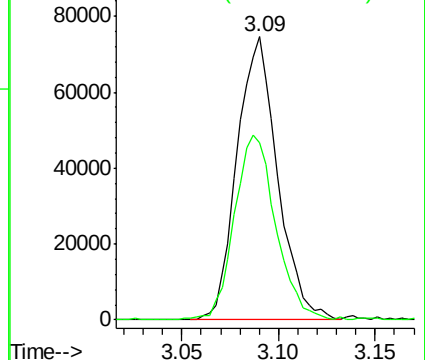
41 100

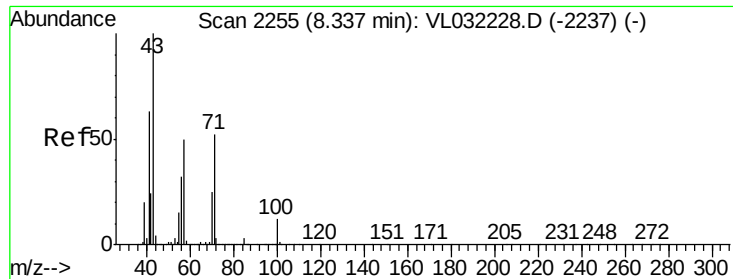
42 66.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.666 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

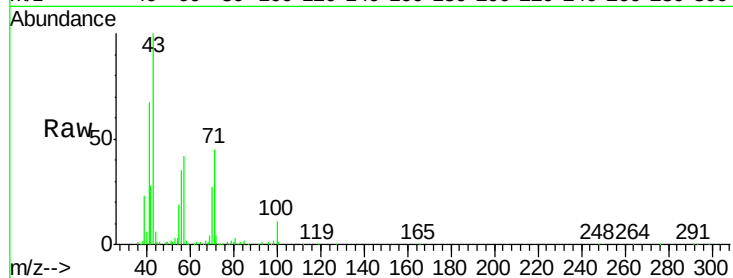
EFFLUENTDUP

Tgt Ion: 43 Resp: 149993

Ion Ratio Lower Upper

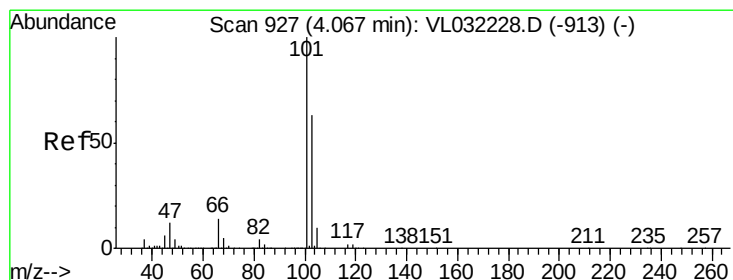
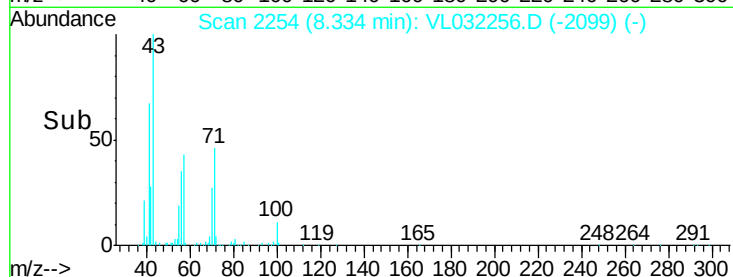
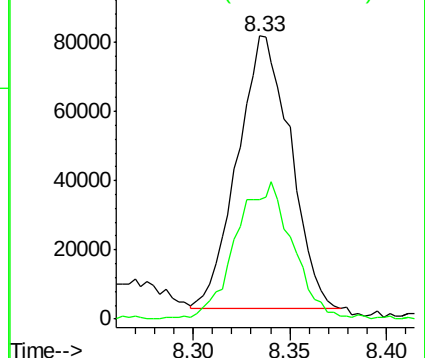
43 100

57 54.5 40.7 61.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.425 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL032256.D

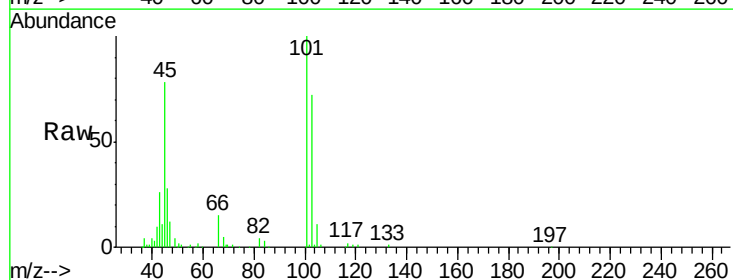
Acq: 13 Jul 2018 22:08

Tgt Ion: 101 Resp: 88614

Ion Ratio Lower Upper

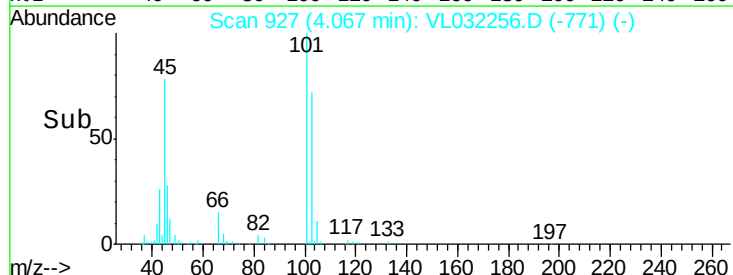
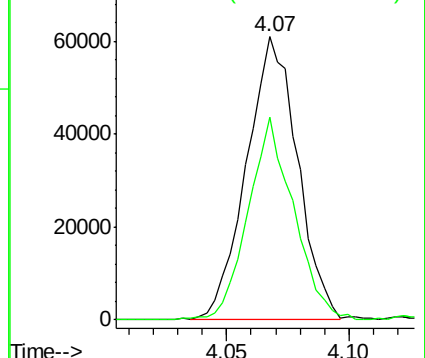
101 100

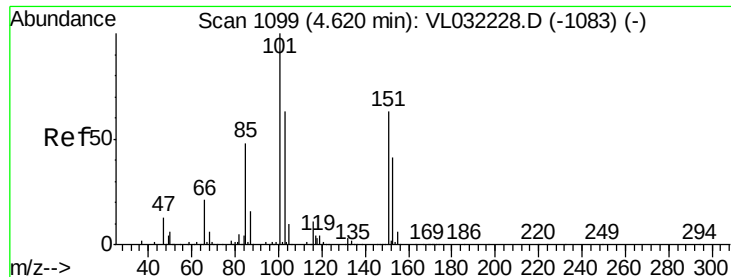
103 71.2 50.2 75.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.477 ppbv

RT: 4.62 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

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ClientSampleId :

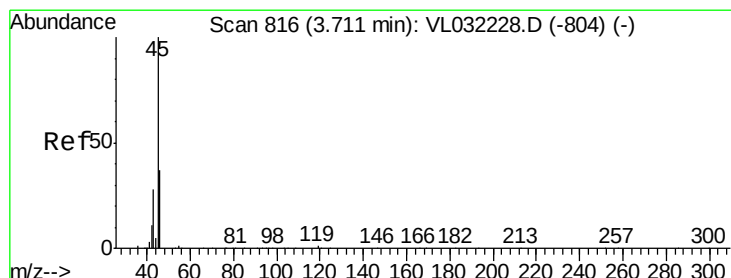
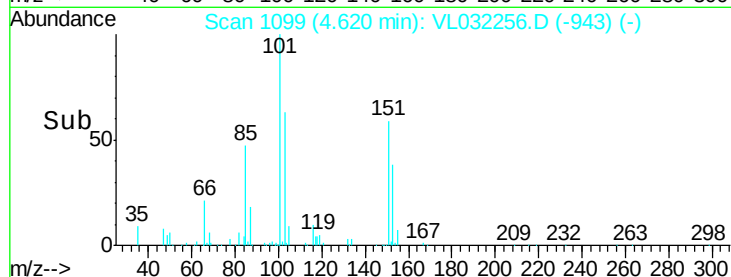
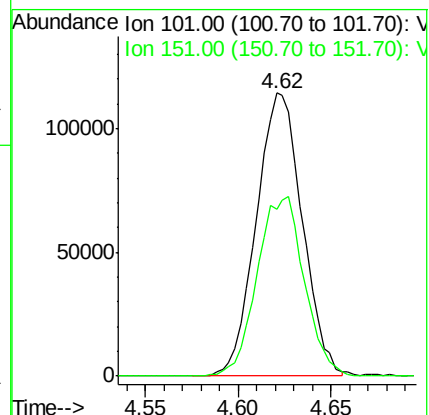
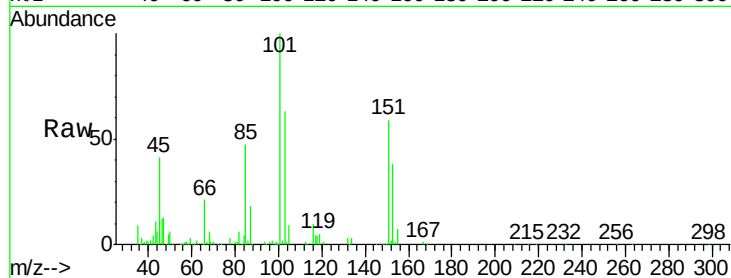
EFFLUENTDUP

Tgt Ion:101 Resp: 196821

Ion Ratio Lower Upper

101 100

151 64.7 52.2 78.2



#13

Ethanol

Concen: 321.580 ppbv

RT: 3.74 min Scan# 826

Delta R.T. 0.03 min

Lab File: VL032256.D

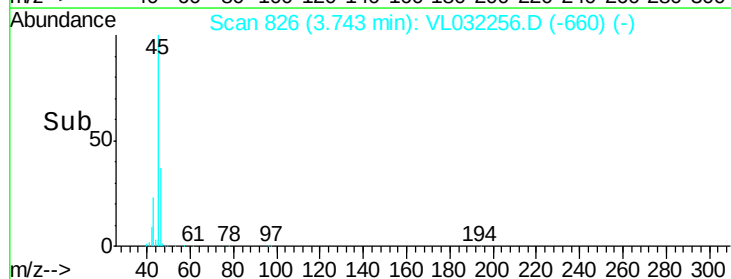
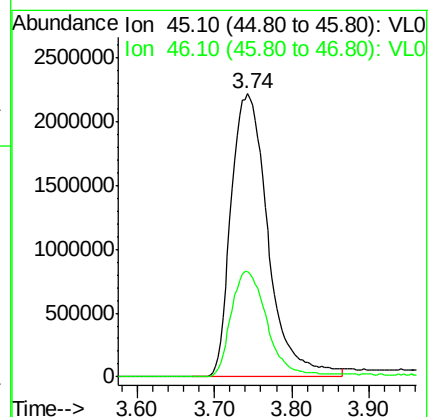
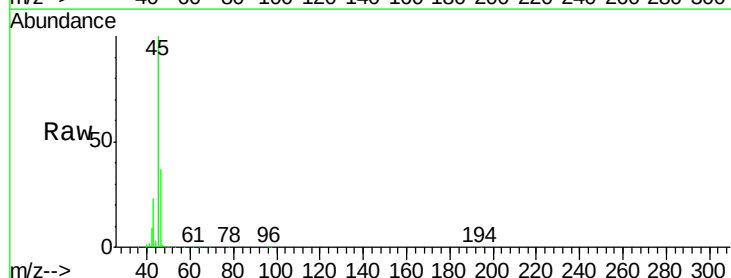
Acq: 13 Jul 2018 22:08

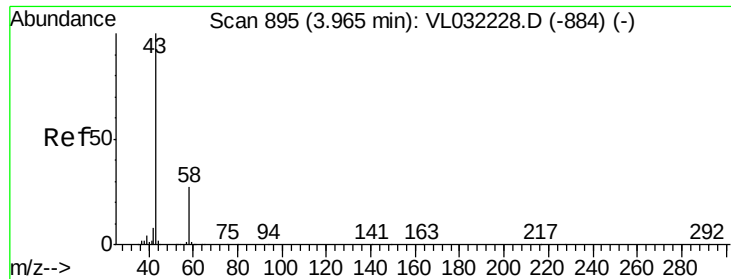
Tgt Ion: 45 Resp: 7365240

Ion Ratio Lower Upper

45 100

46 36.6 15.5 61.9





#15

Acetone

Concen: 31.630 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

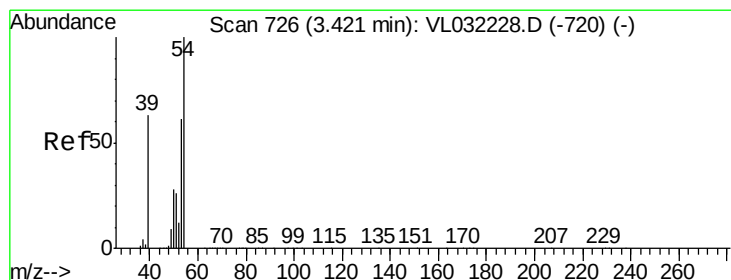
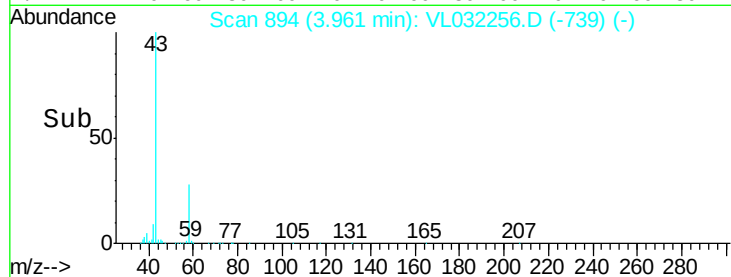
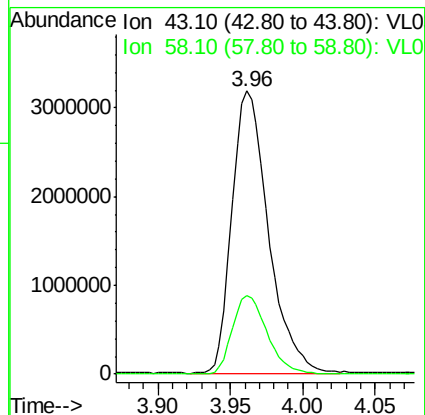
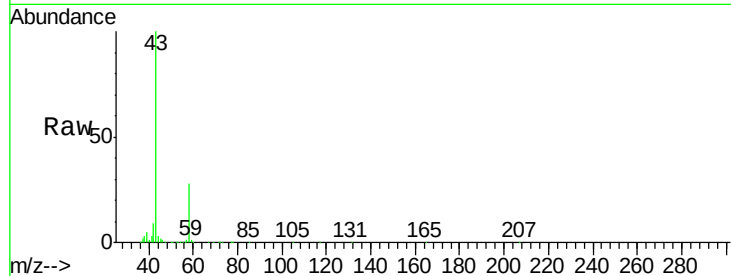
EFFLUENTDUP

Tgt Ion: 43 Resp: 5559597

Ion Ratio Lower Upper

43 100

58 26.8 21.5 32.3



#16

1,3-Butadiene

Concen: 1.035 ppbv

RT: 3.40 min Scan# 719

Delta R.T. -0.02 min

Lab File: VL032256.D

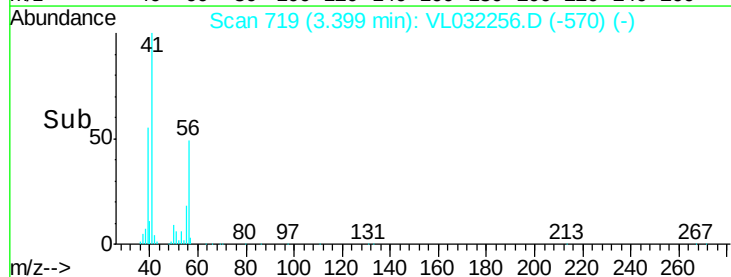
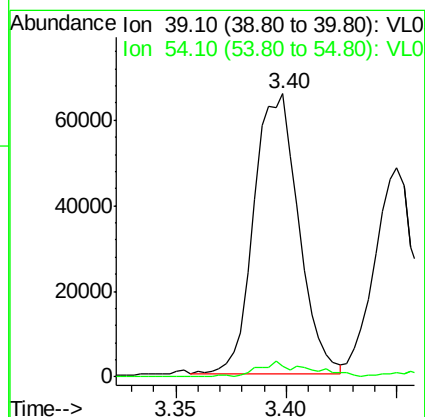
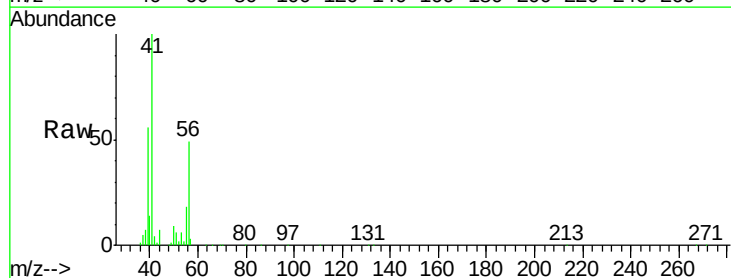
Acq: 13 Jul 2018 22:08

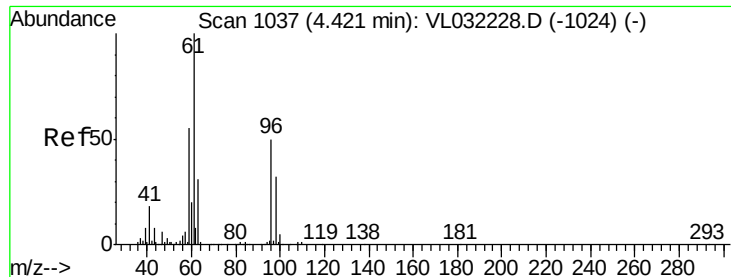
Tgt Ion: 39 Resp: 91946

Ion Ratio Lower Upper

39 100

54 6.2 70.0 105.0#

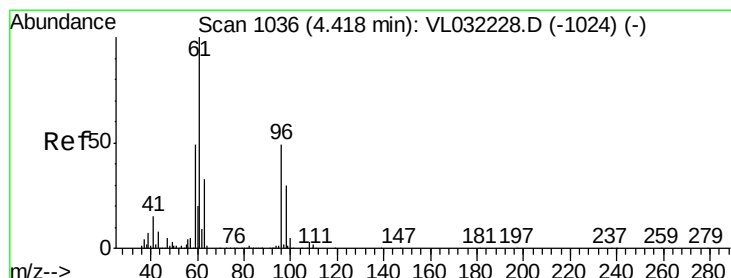
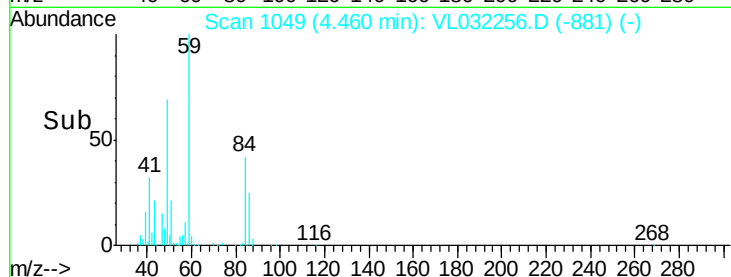
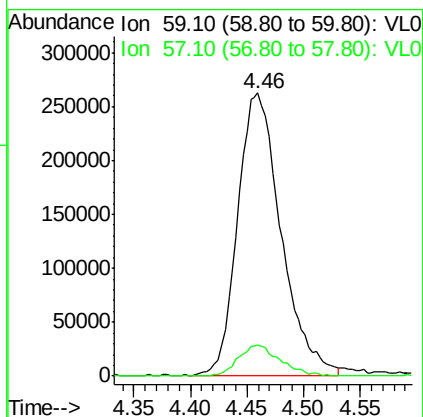
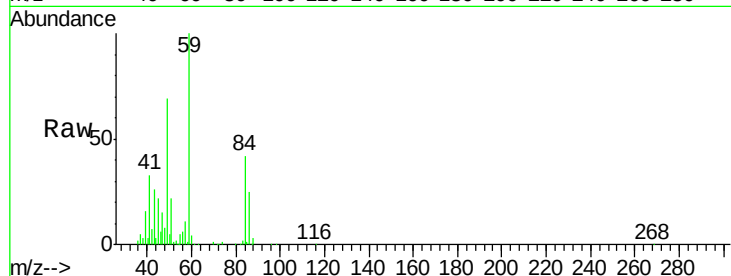




#17
 tert-Butyl alcohol
 Concen: 8.498 ppbv
 RT: 4.46 min Scan# 1049
 Delta R.T. 0.04 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

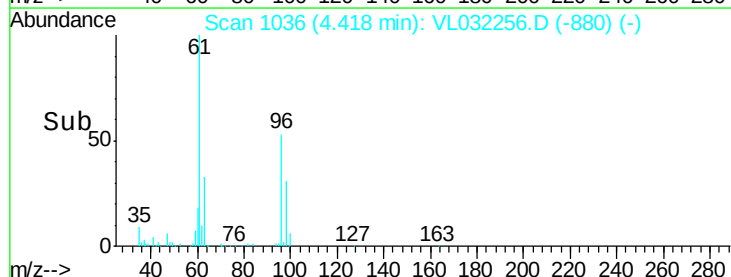
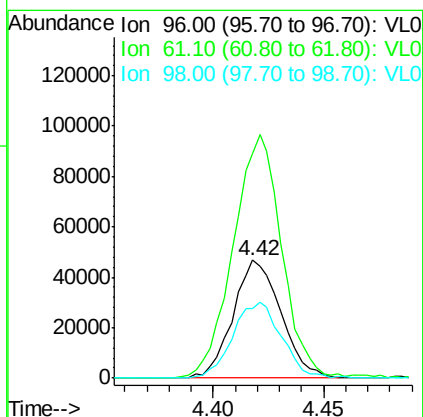
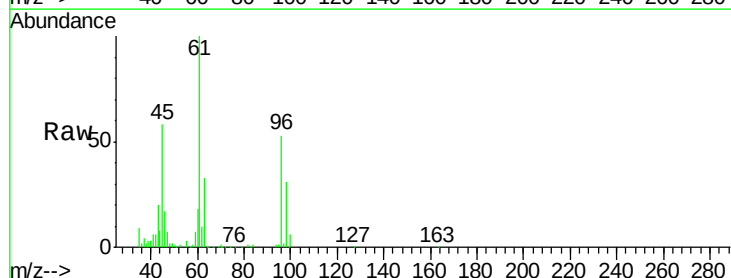
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

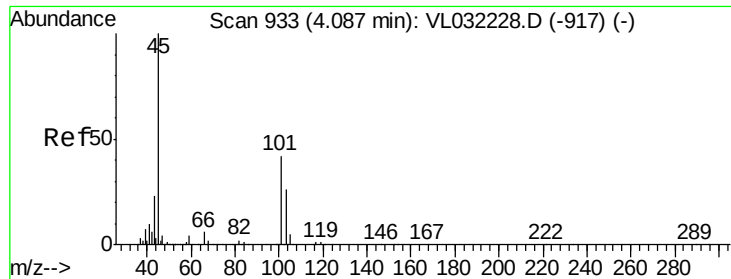
Tgt Ion: 59 Resp: 697391
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 1.134 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

Tgt Ion: 96 Resp: 70333
 Ion Ratio Lower Upper
 96 100
 61 188.2 163.0 244.4
 98 58.4 48.5 72.7





#19

Isopropyl Alcohol

Concen: 37.975 ppbv

RT: 4.12 min Scan# 944

Delta R.T. 0.04 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

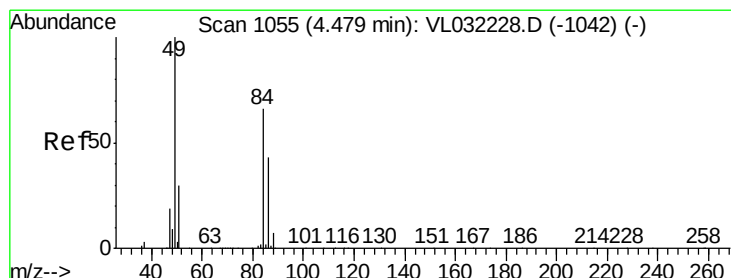
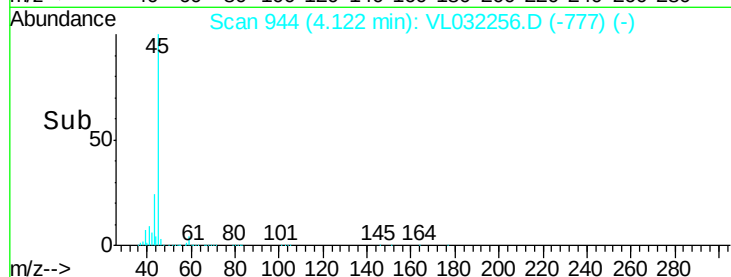
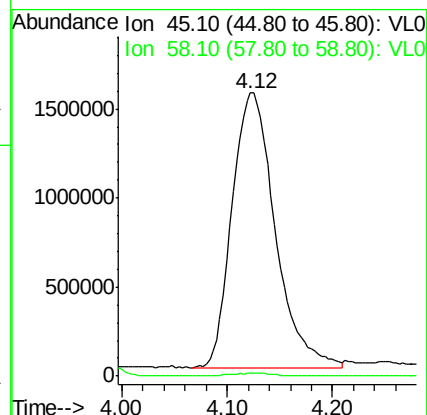
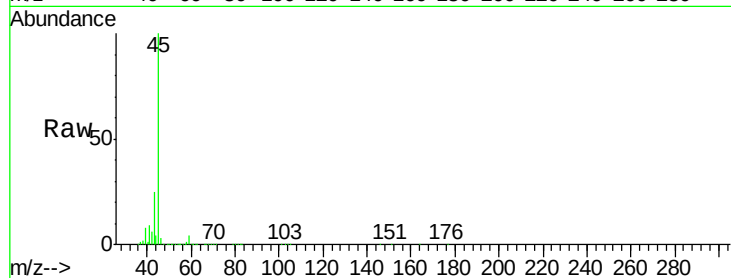
EFFLUENTDUP

Tgt Ion: 45 Resp: 4382834

Ion Ratio Lower Upper

45 100

58 1.1 1.3 1.9#



#20

Methylene Chloride

Concen: 12.921 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Tgt Ion: 84 Resp: 769661

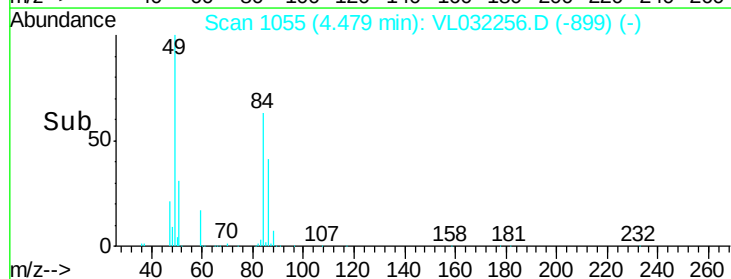
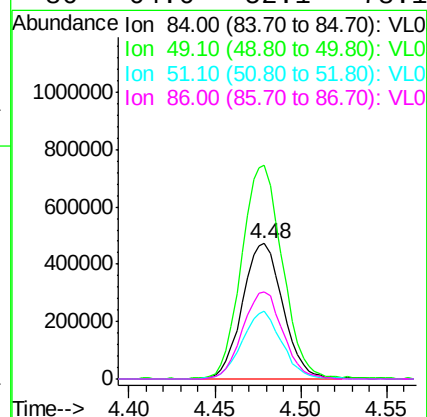
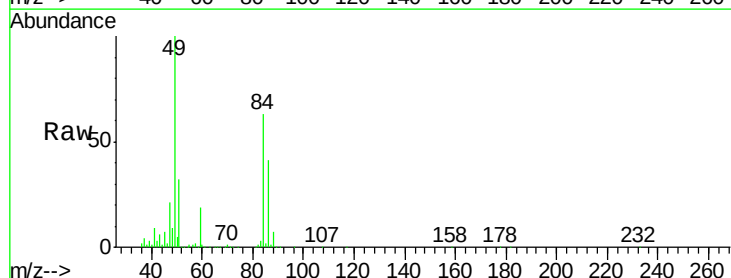
Ion Ratio Lower Upper

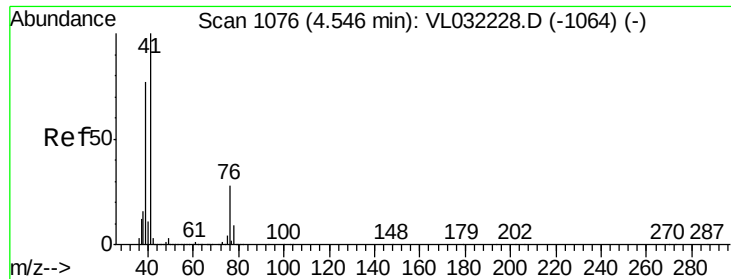
84 100

49 157.7 121.8 182.6

51 49.7 36.3 54.5

86 64.6 52.1 78.1

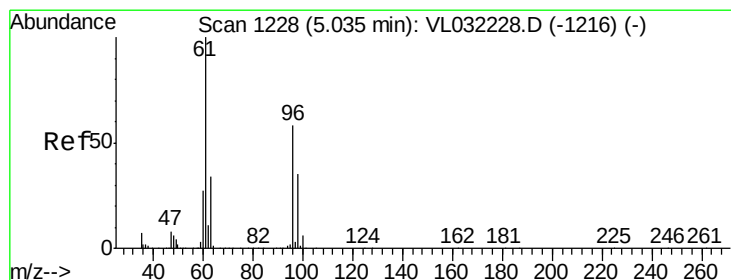
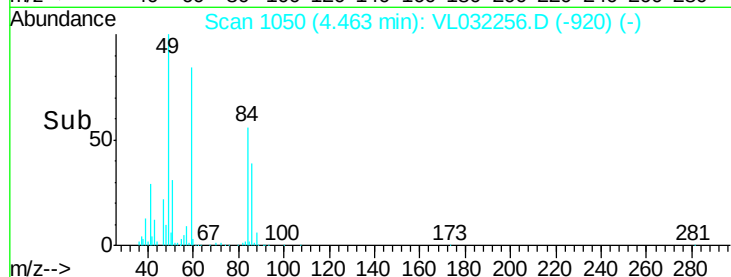
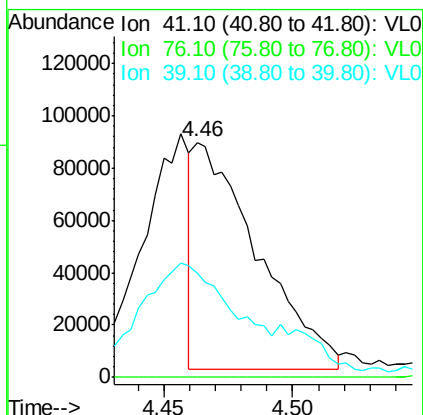
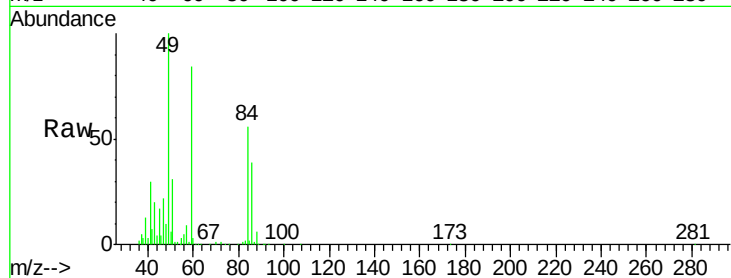




#21
 Allyl Chloride
 Concen: 1.436 ppbv
 RT: 4.46 min Scan# 1050
 Delta R.T. -0.08 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

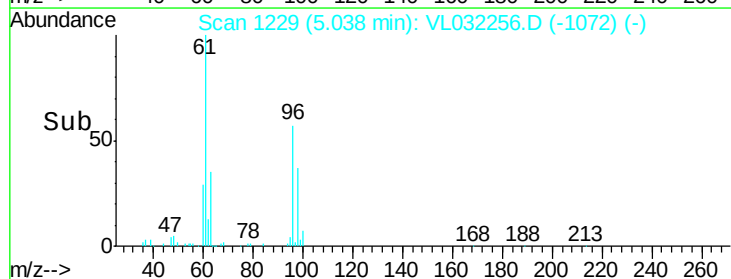
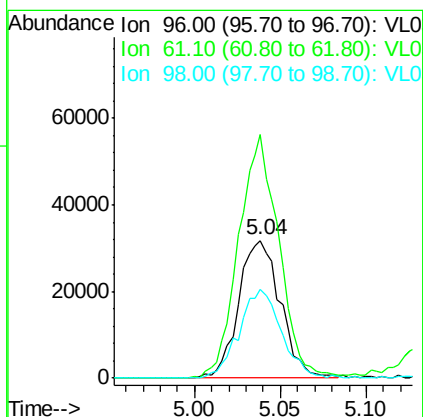
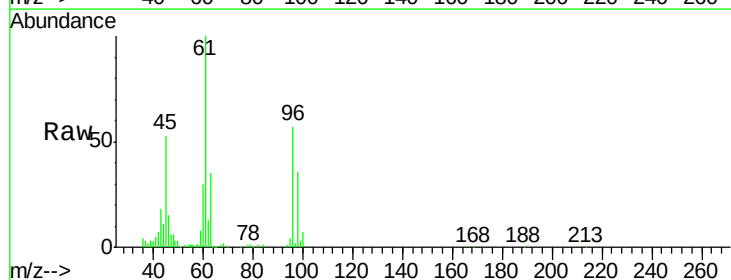
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

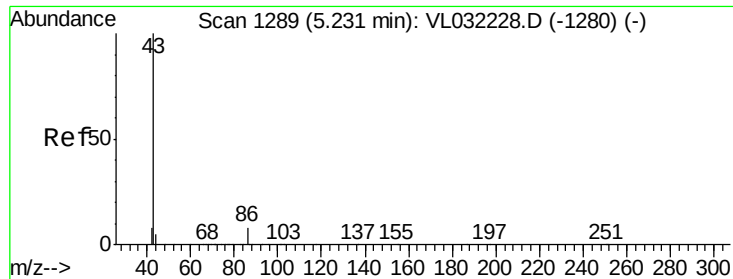
Tgt Ion: 41 Resp: 147759
 Ion Ratio Lower Upper
 41 100
 76 0.2 22.9 34.3#
 39 0.0 62.3 93.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.903 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

Tgt Ion: 96 Resp: 53316
 Ion Ratio Lower Upper
 96 100
 61 176.7 139.1 208.7
 98 64.4 48.4 72.6





#23

Vinyl Acetate

Concen: 1.843 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

Tgt Ion: 43 Resp: 538712

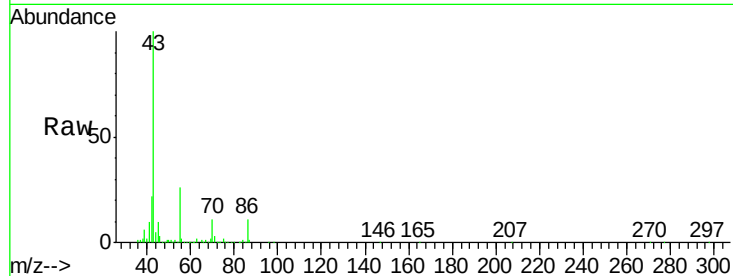
Ion Ratio Lower Upper

43 100

86 10.5 5.9 8.9#

42 21.3 7.0 10.6#

44 2.9 4.2 6.2#

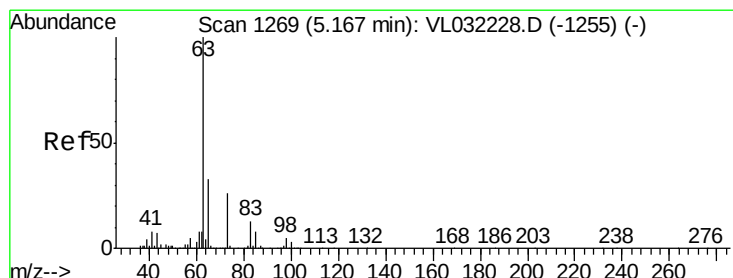
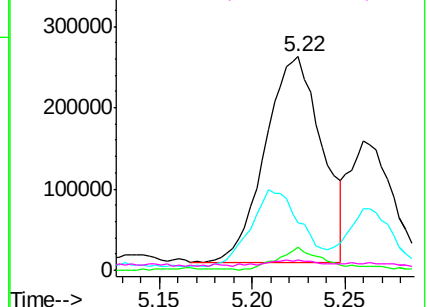
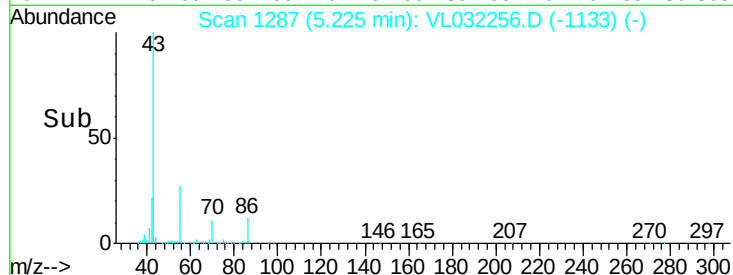


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 12.216 ppbv

RT: 5.17 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

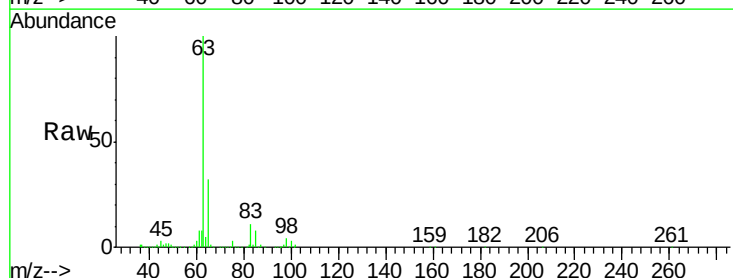
Tgt Ion: 63 Resp: 2507463

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.1

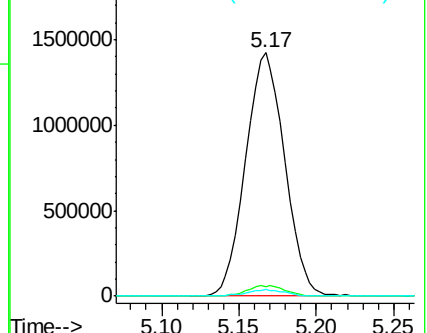
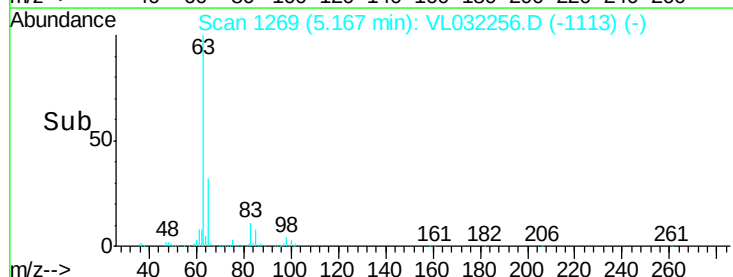
100 2.6 1.5 4.4

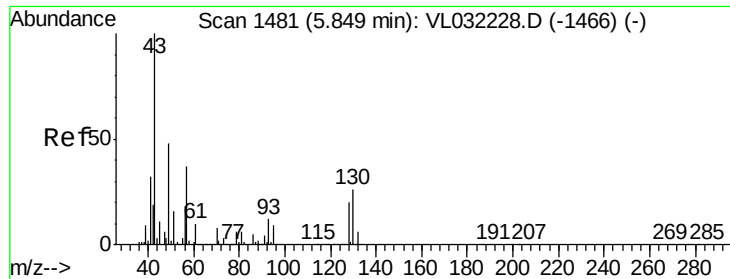


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

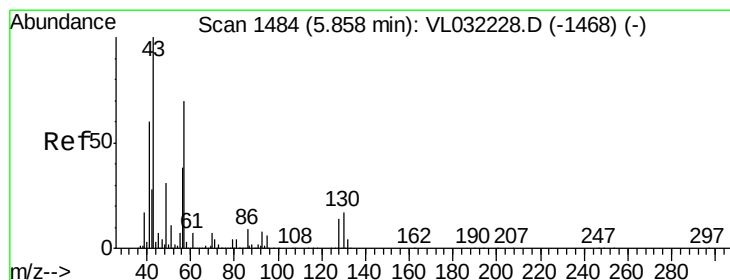
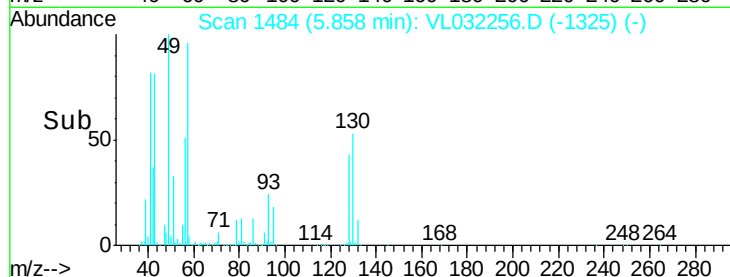
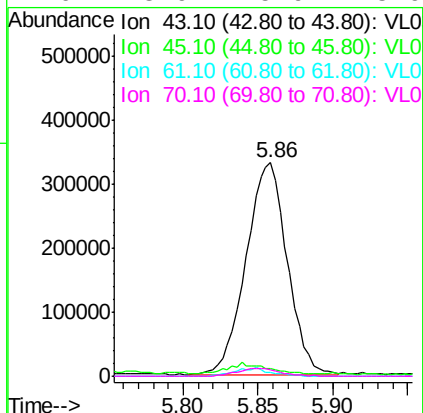
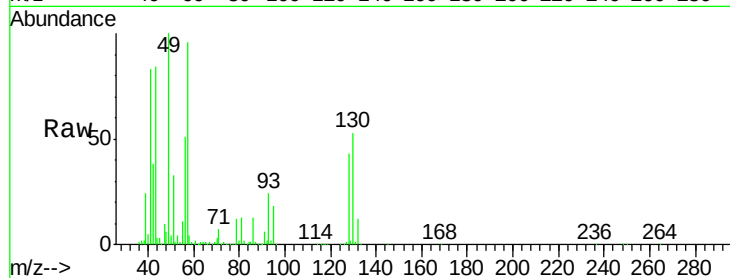




#25
Ethyl Acetate
Concen: 1.812 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.01 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

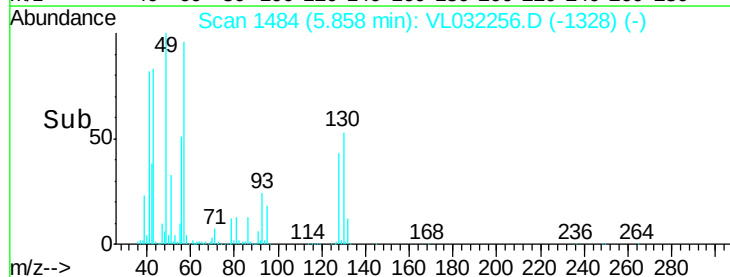
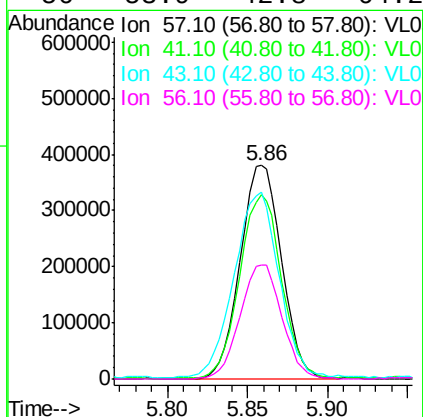
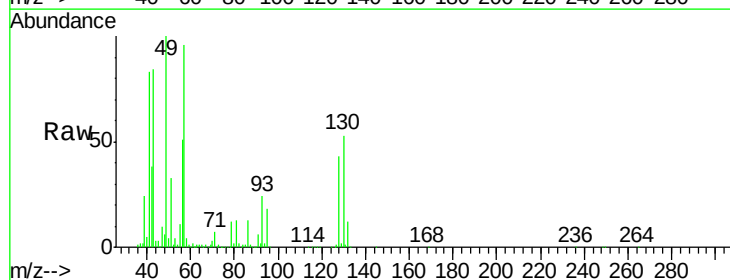
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

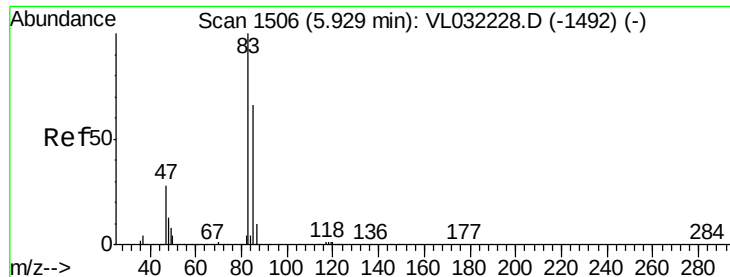
Tgt Ion:	43	Resp:	630405
Ion	Ratio	Lower	Upper
43	100		
45	5.9	8.0	12.0#
61	3.7	7.7	11.5#
70	3.9	5.9	8.9#



#26
Hexane
Concen: 4.213 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

Tgt Ion:	57	Resp:	668483
Ion	Ratio	Lower	Upper
57	100		
41	87.7	68.7	103.1
43	95.6	176.2	264.2#
56	53.9	42.8	64.2

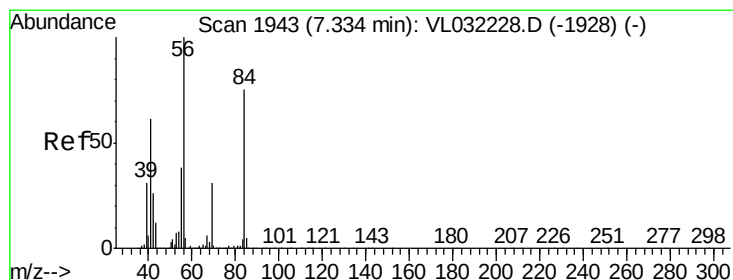
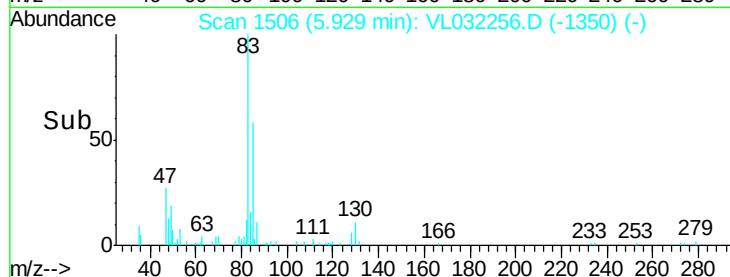
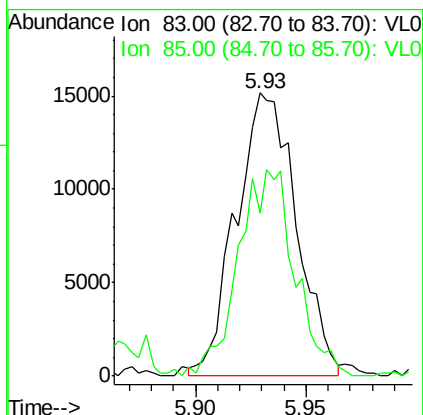
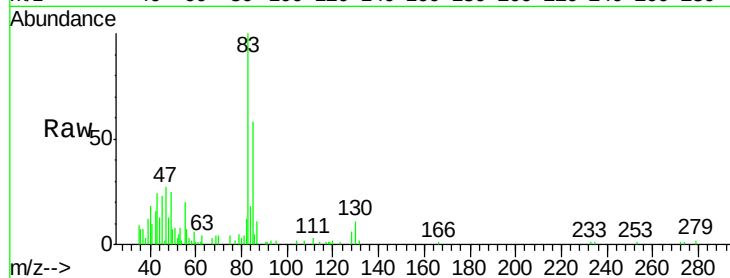




#29
Chloroform
Concen: 0.117 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

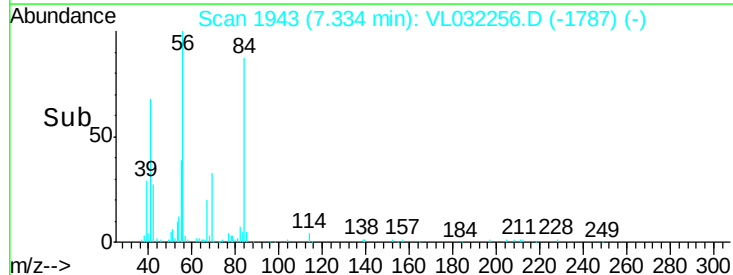
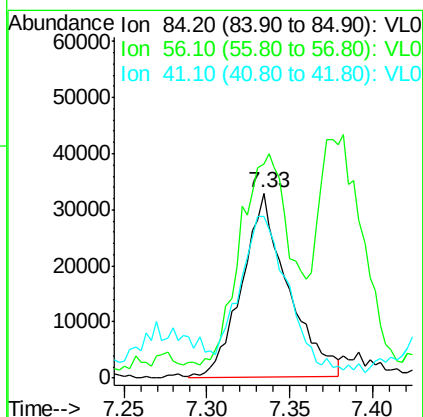
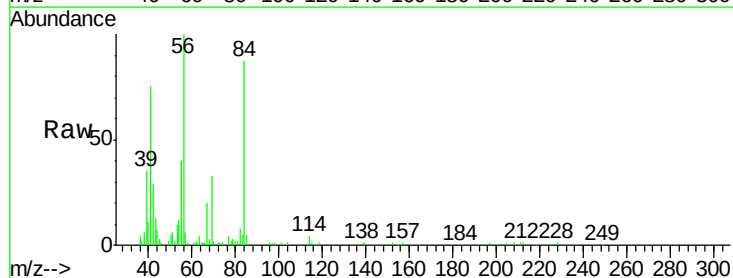
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

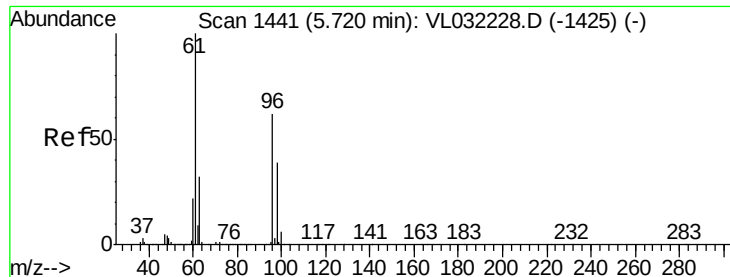
Tgt Ion: 83 Resp: 28708
Ion Ratio Lower Upper
83 100
85 56.3 52.7 79.1



#30
Cyclohexane
Concen: 0.454 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

Tgt Ion: 84 Resp: 63597
Ion Ratio Lower Upper
84 100
56 141.6 112.6 168.8
41 88.7 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 0.047 ppbv

RT: 5.73 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

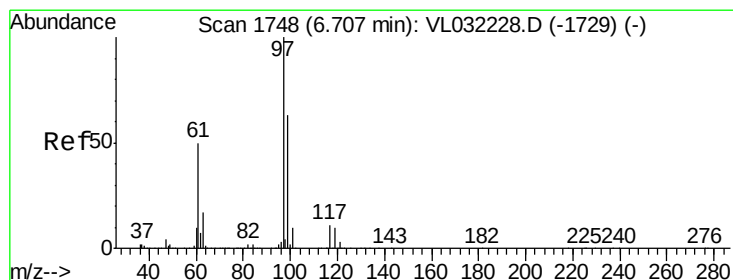
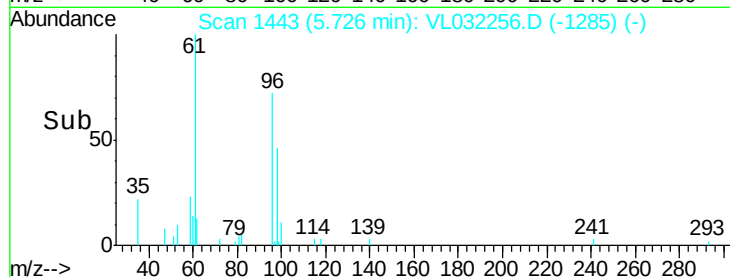
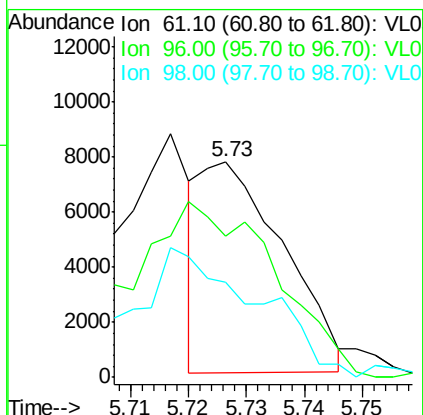
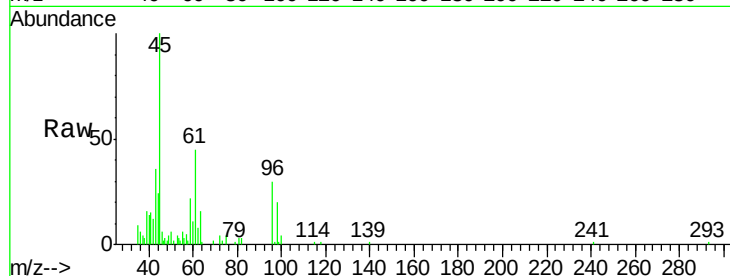
Tgt Ion: 61 Resp: 7518

Ion Ratio Lower Upper

61 100

96 60.1 49.8 74.8

98 43.9 31.4 47.2



#32

1,1,1-Trichloroethane

Concen: 39.439 ppbv

RT: 6.70 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

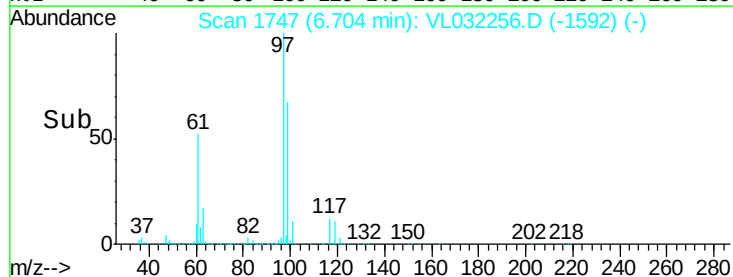
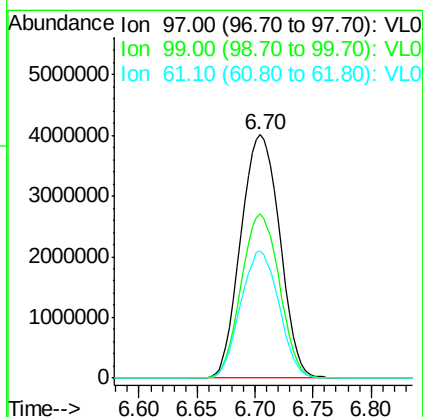
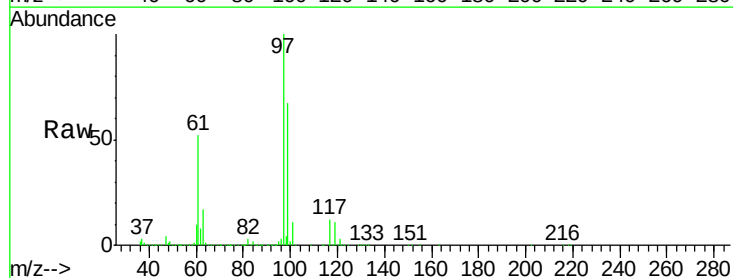
Tgt Ion: 97 Resp: 9374088

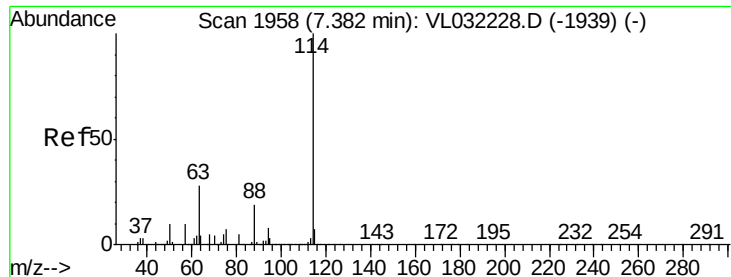
Ion Ratio Lower Upper

97 100

99 66.1 51.2 76.8

61 51.4 41.3 61.9

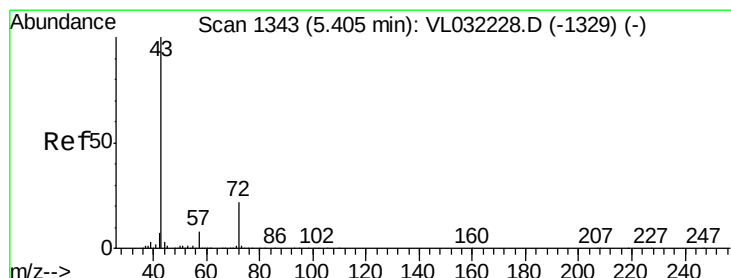
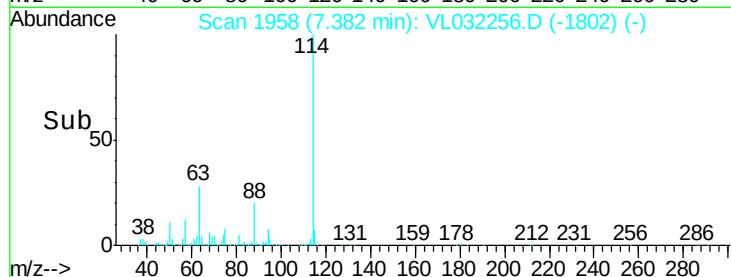
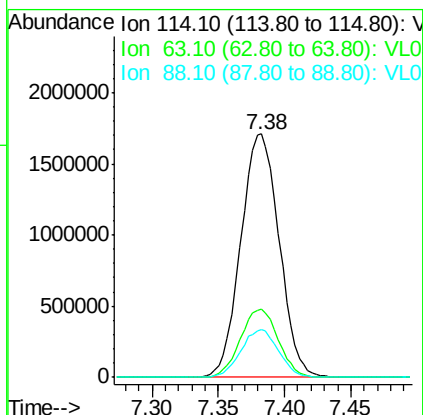
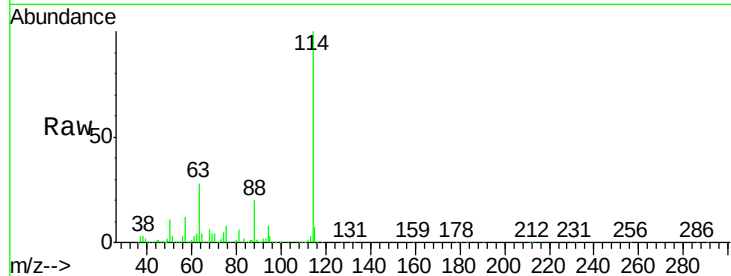




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

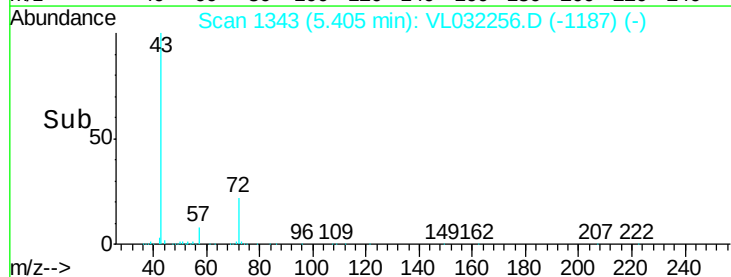
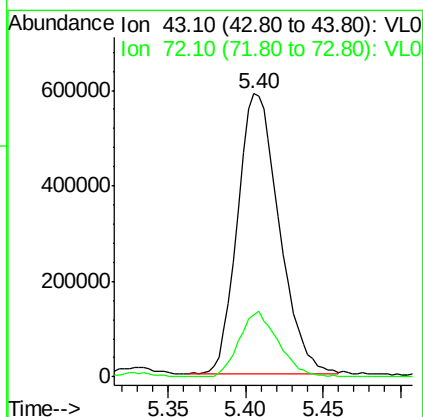
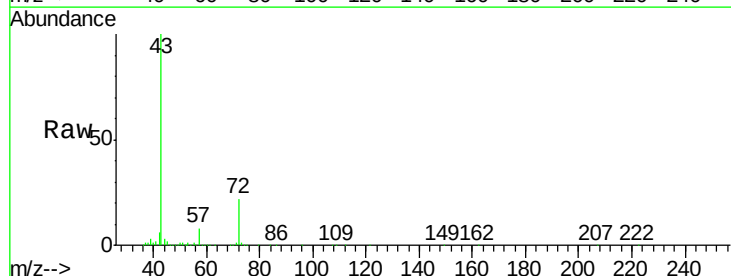
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

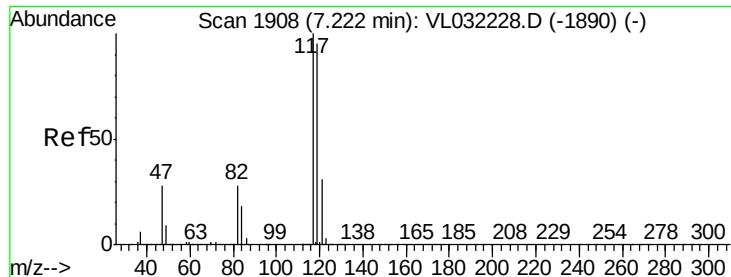
Tgt Ion:114 Resp: 3441808
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.5 33.7
 88 19.3 15.4 23.0



#34
 2-Butanone
 Concen: 4.696 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

Tgt Ion: 43 Resp: 1101251
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.1 27.1

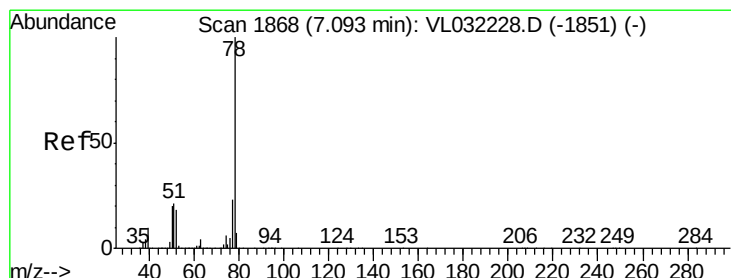
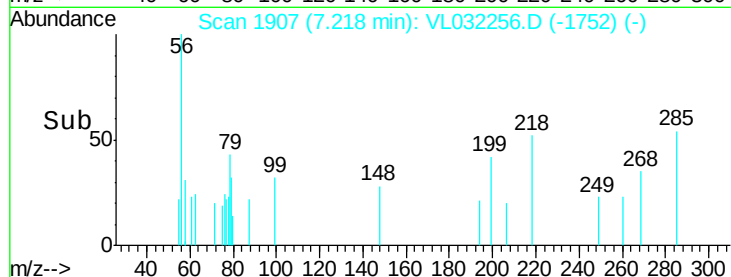
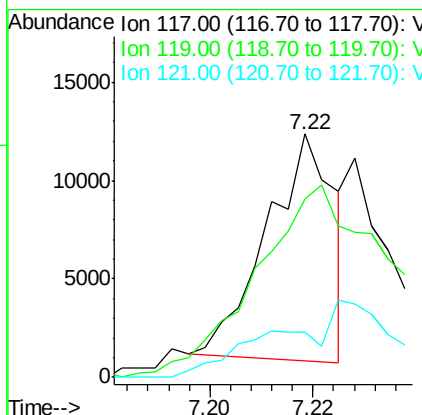
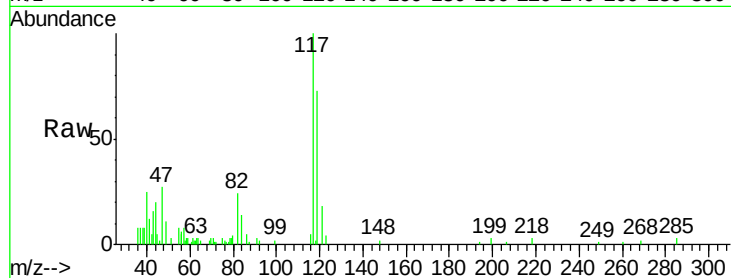




#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.22 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

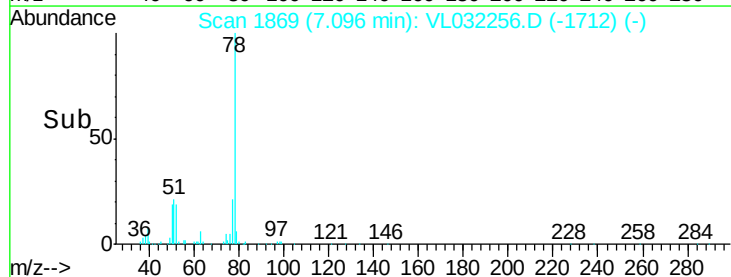
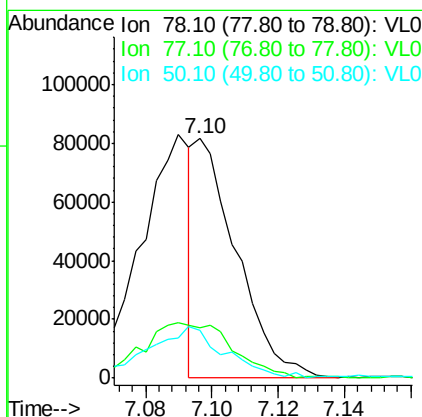
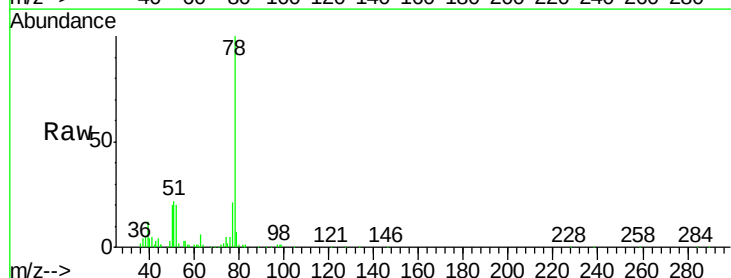
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

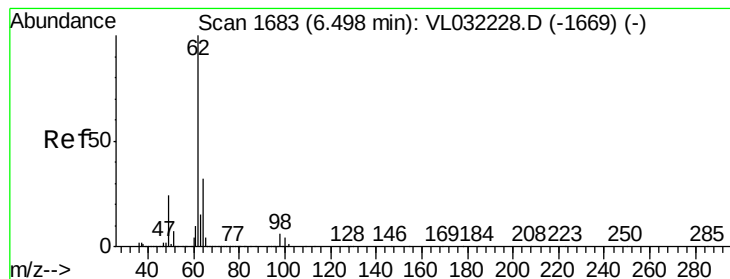
Tgt Ion:117 Resp: 10429
Ion Ratio Lower Upper
117 100
119 72.1 75.7 113.5#
121 17.2 24.6 37.0#



#36
Benzene
Concen: 0.207 ppbv
RT: 7.10 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

Tgt Ion: 78 Resp: 70906
Ion Ratio Lower Upper
78 100
77 20.4 18.0 27.0
50 18.8 15.8 23.8





#37

1,2-Dichloroethane

Concen: 3.679 ppbv

RT: 6.70 min Scan# 1747

Delta R.T. 0.21 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

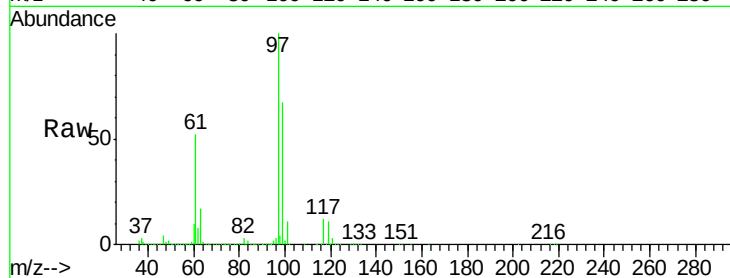
EFFLUENTDUP

Tgt Ion: 62 Resp: 688916

Ion Ratio Lower Upper

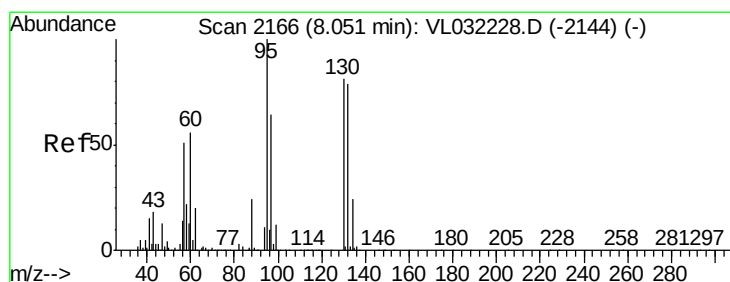
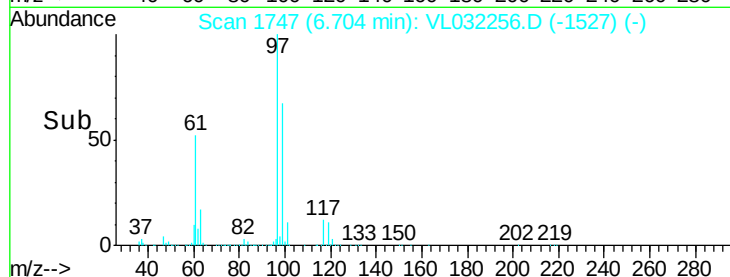
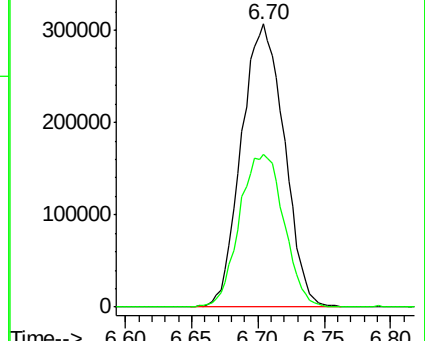
62 100

98 56.0 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.180 ppbv

RT: 8.04 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Tgt Ion: 130 Resp: 21089

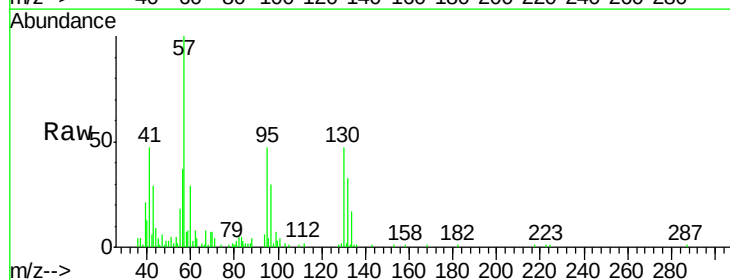
Ion Ratio Lower Upper

130 100

95 95.8 98.3 147.5#

132 70.6 78.1 117.1#

97 58.1 62.6 94.0#

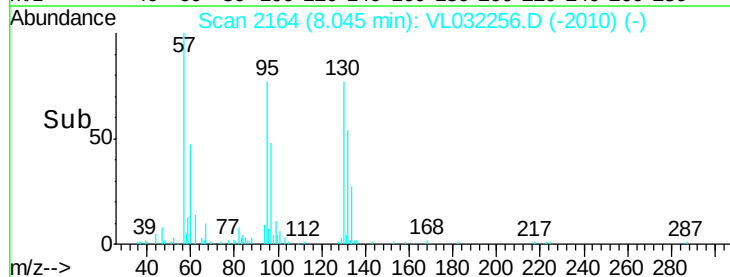
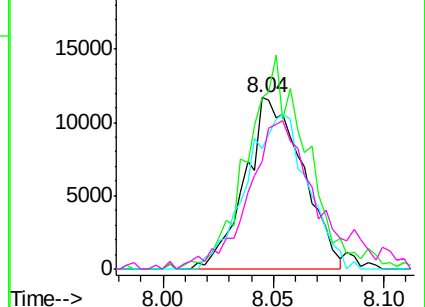


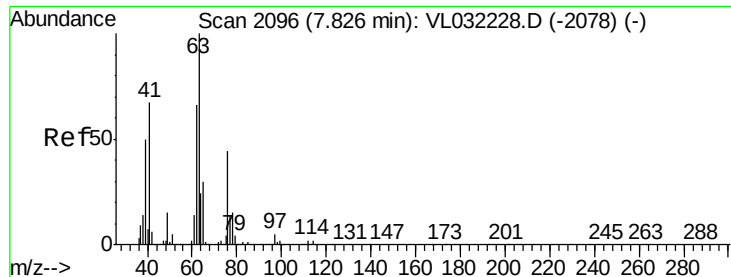
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.040 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.44 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

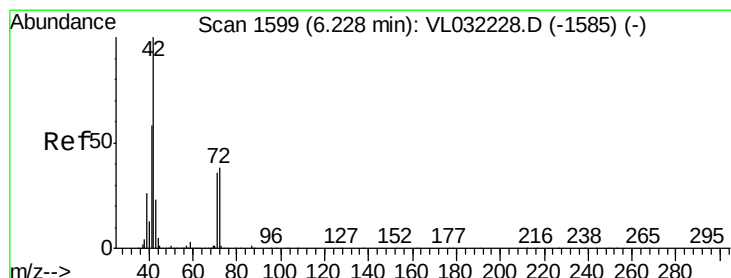
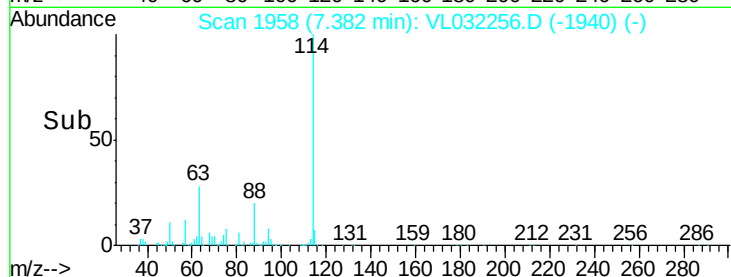
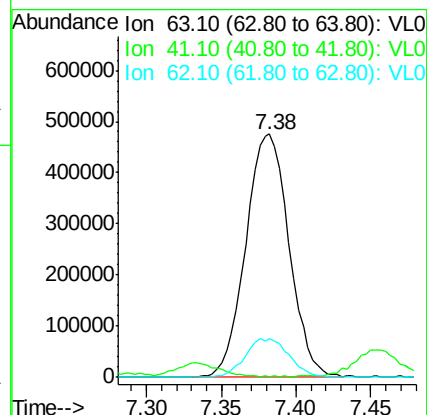
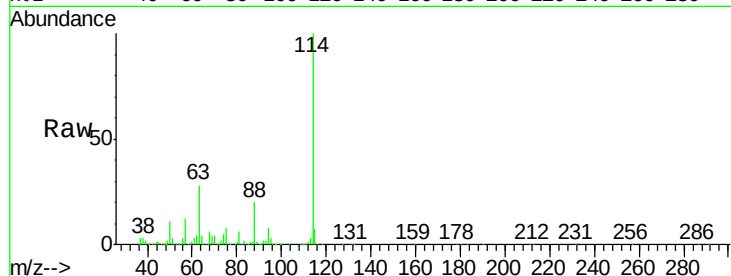
Tgt Ion: 63 Resp: 956958

Ion Ratio Lower Upper

63 100

41 0.0 53.8 80.6#

62 15.8 53.1 79.7#



#41

Tetrahydrofuran

Concen: 0.398 ppbv

RT: 6.24 min Scan# 1603

Delta R.T. 0.01 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

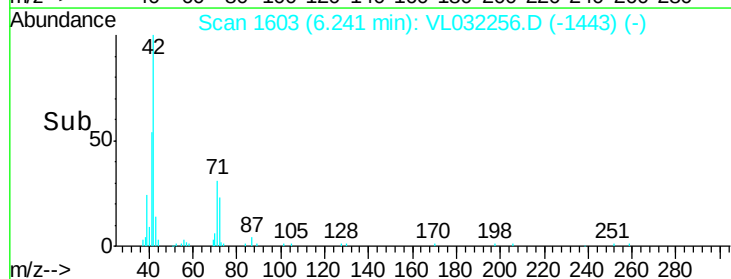
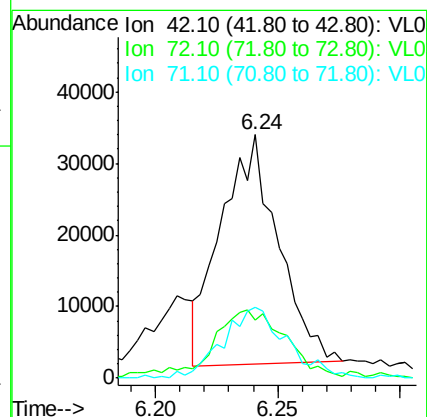
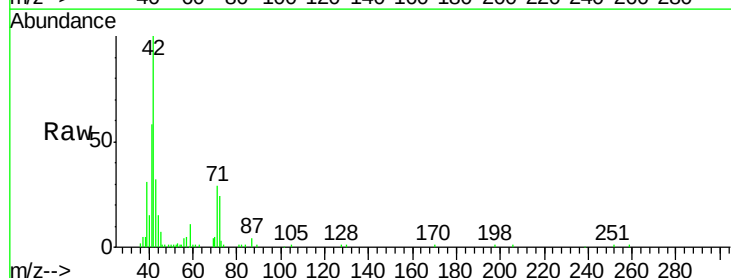
Tgt Ion: 42 Resp: 52287

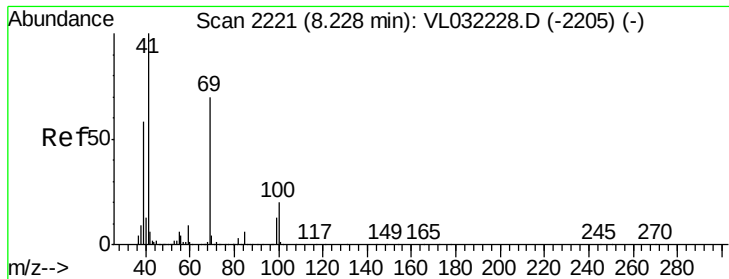
Ion Ratio Lower Upper

42 100

72 40.4 30.6 45.8

71 35.0 29.7 44.5

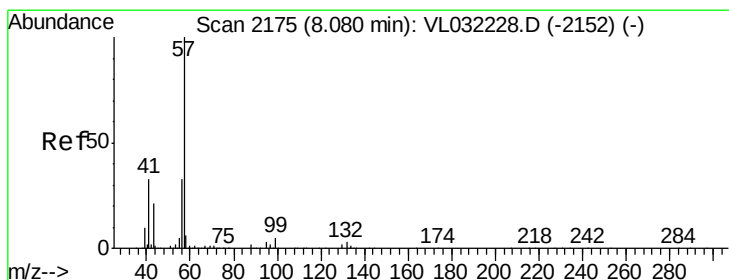
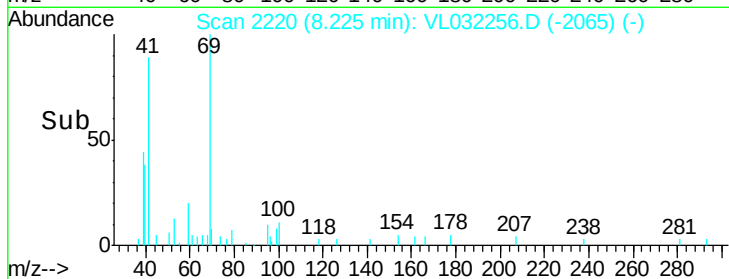
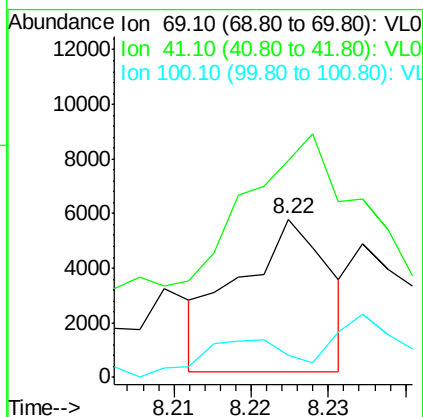
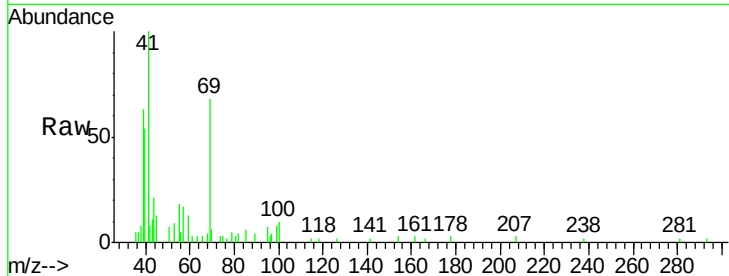




#43
Methyl Methacrylate
Concen: 0.034 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. -0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

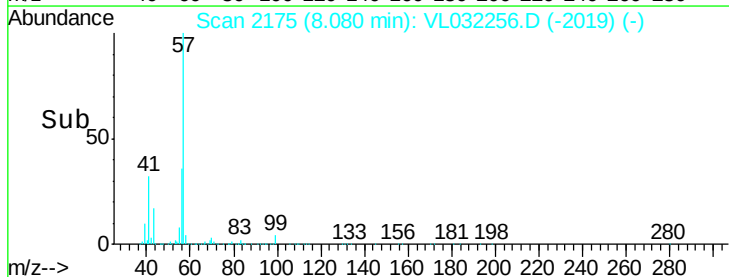
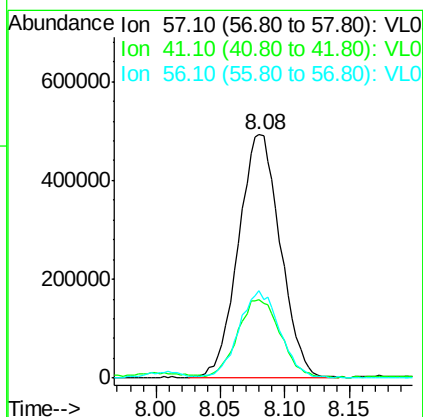
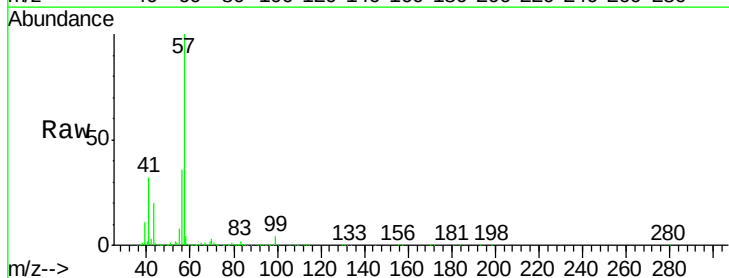
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

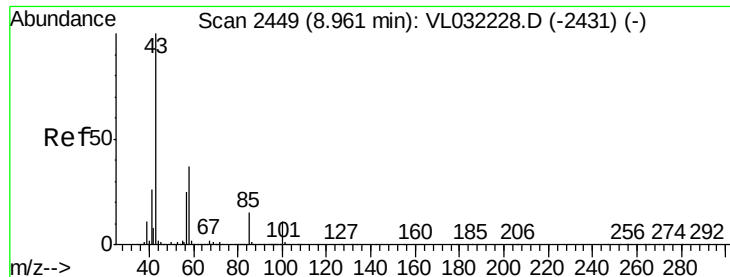
Tgt Ion: 69 Resp: 4544
Ion Ratio Lower Upper
69 100
41 0.0 116.3 174.5#
100 0.0 23.8 35.8#



#44
2,2,4-Trimethylpentane
Concen: 1.889 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

Tgt Ion: 57 Resp: 1111073
Ion Ratio Lower Upper
57 100
41 32.8 24.7 37.1
56 35.2 25.4 38.0

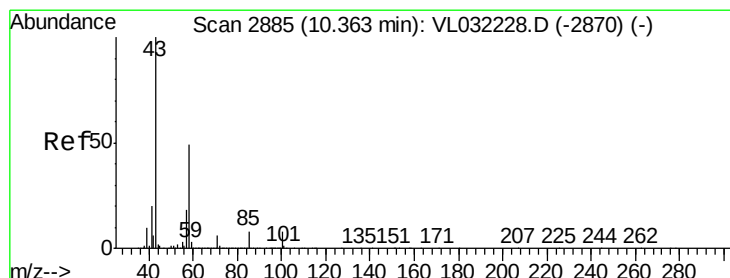
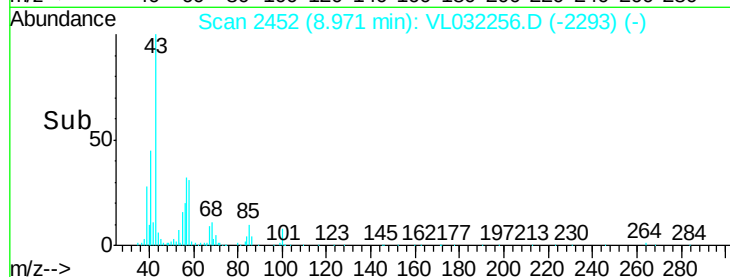
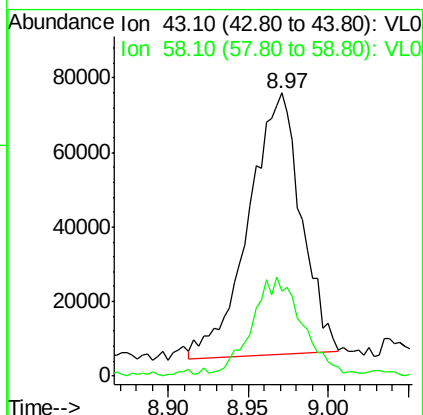
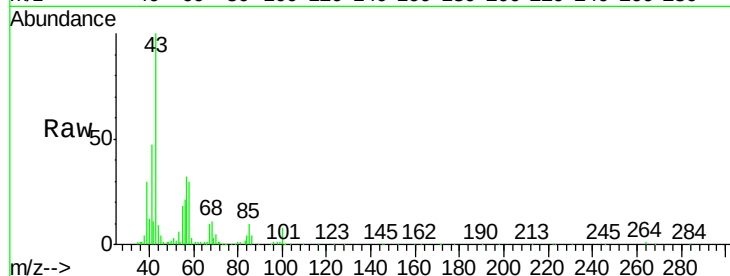




#50
 4-Methyl-2-Pentanone
 Concen: 0.390 ppbv
 RT: 8.97 min Scan# 2452
 Delta R.T. 0.01 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

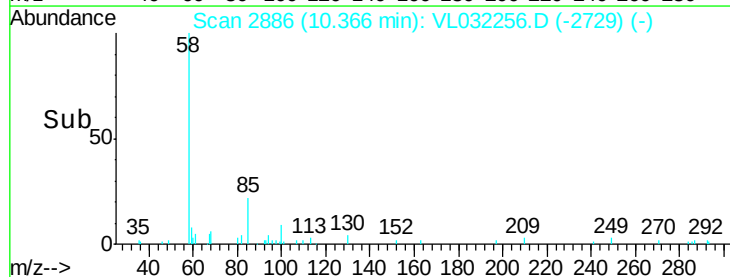
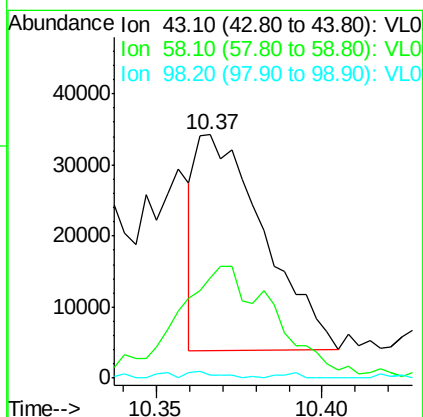
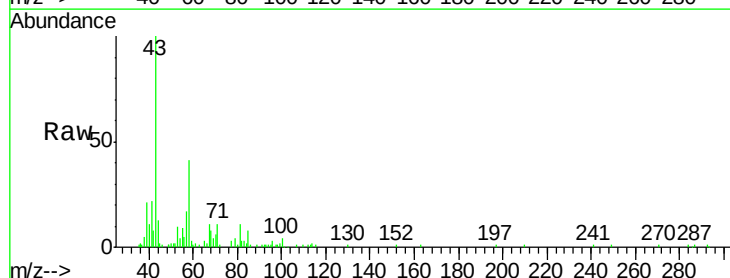
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

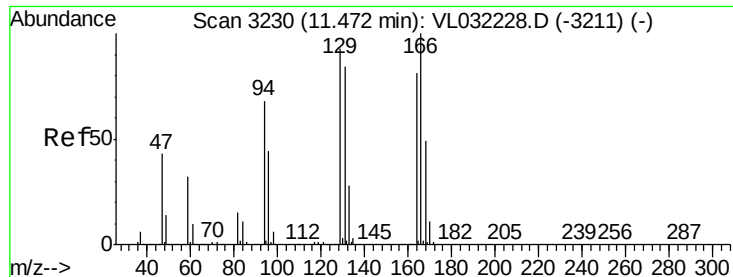
Tgt Ion: 43 Resp: 158101
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.5 44.3



#51
 2-Hexanone
 Concen: 0.127 ppbv
 RT: 10.37 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

Tgt Ion: 43 Resp: 43026
 Ion Ratio Lower Upper
 43 100
 58 80.5 39.9 59.9#
 98 2.1 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.124 ppbv

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

Tgt Ion:164 Resp: 15621

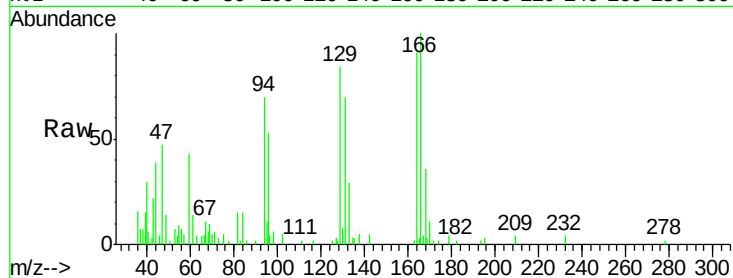
Ion Ratio Lower Upper

164 100

166 110.5 99.3 148.9

129 101.1 92.0 138.0

131 75.1 83.8 125.8#

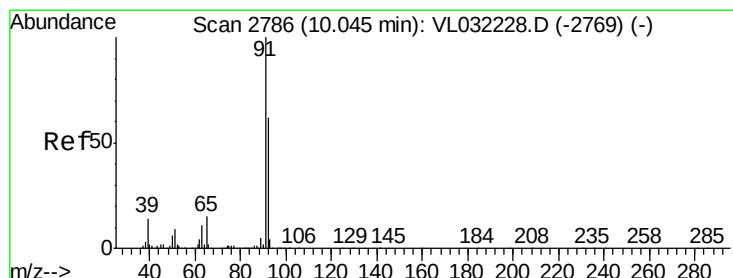
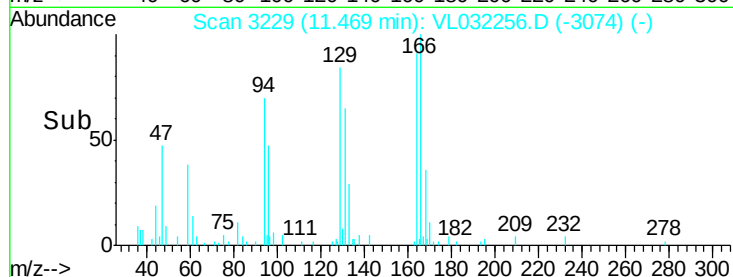
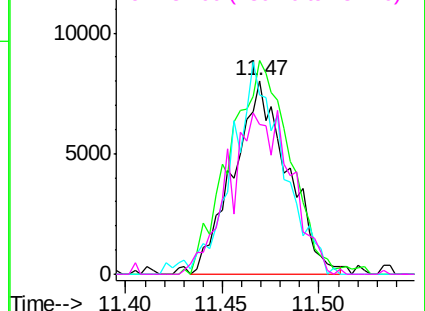


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.692 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032256.D

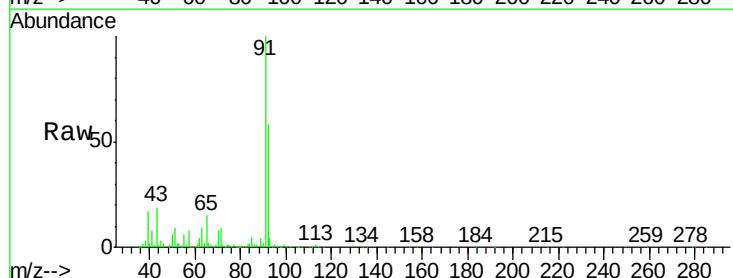
Acq: 13 Jul 2018 22:08

Tgt Ion: 91 Resp: 1493178

Ion Ratio Lower Upper

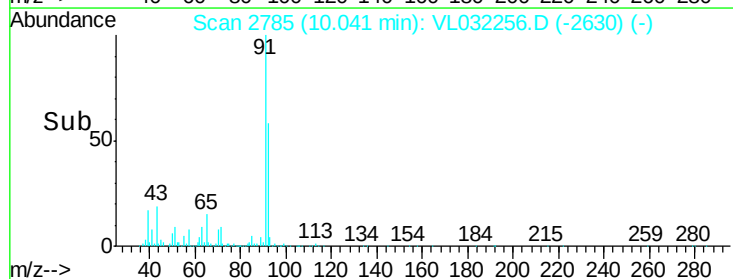
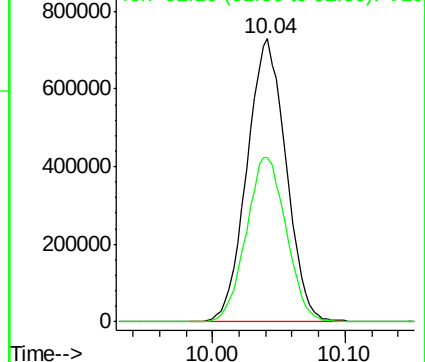
91 100

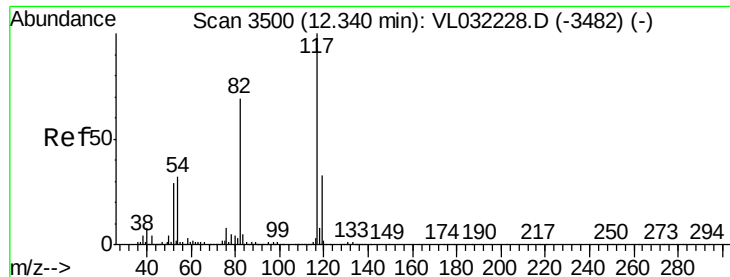
92 59.5 49.0 73.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

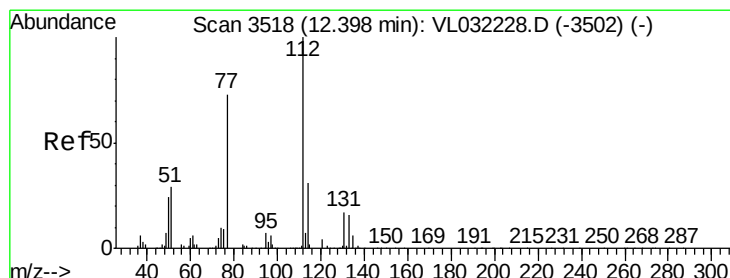
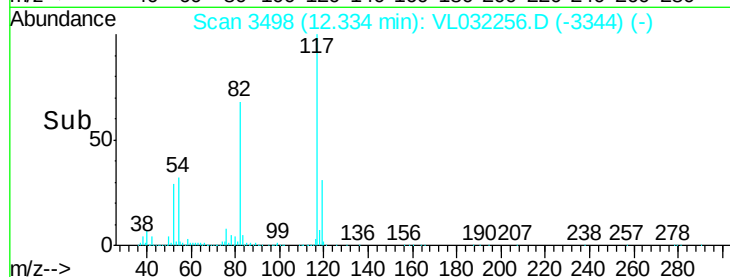
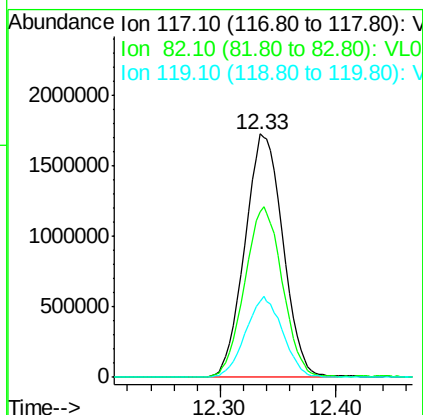
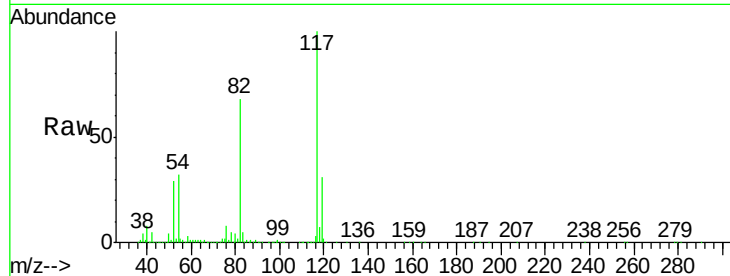




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

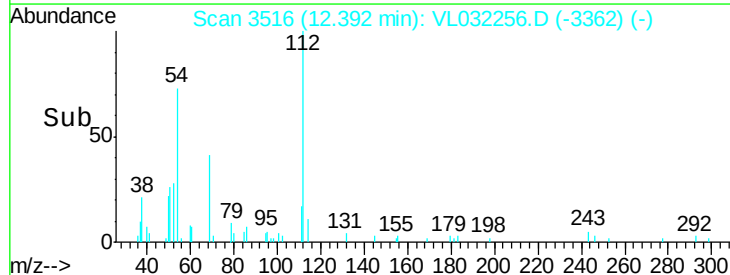
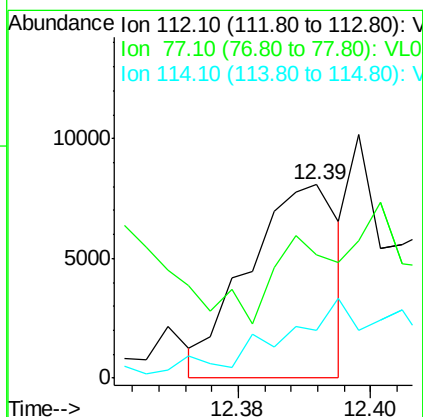
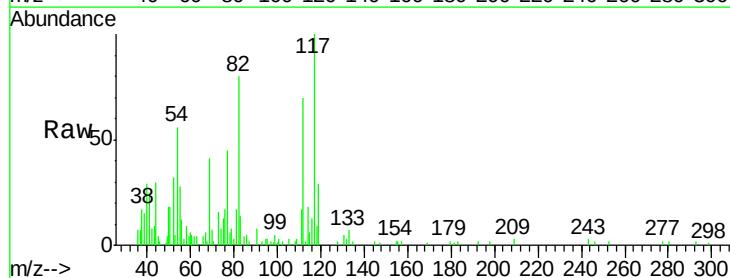
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

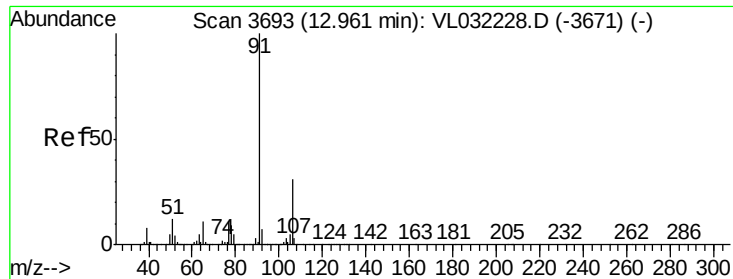
Tgt Ion:117 Resp: 3942952
Ion Ratio Lower Upper
117 100
82 69.6 53.2 79.8
119 32.4 43.9 65.9#



#57
Chlorobenzene
Concen: 0.023 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. -0.01 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

Tgt Ion:112 Resp: 7654
Ion Ratio Lower Upper
112 100
77 18.8 58.8 88.2#
114 15.8 27.9 34.1#





#58

Ethyl Benzene

Concen: 0.733 ppbv

RT: 12.96 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

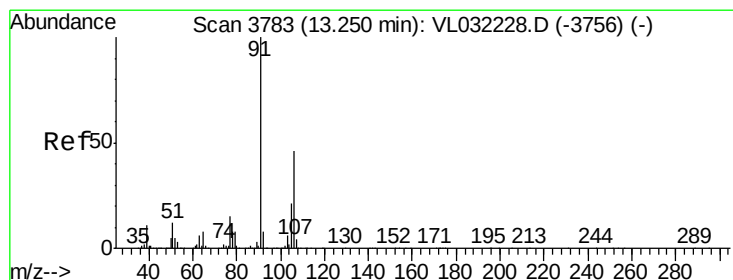
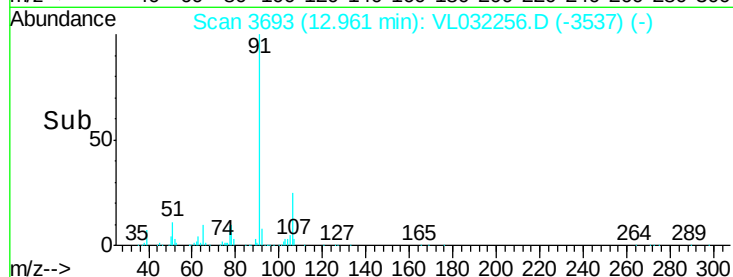
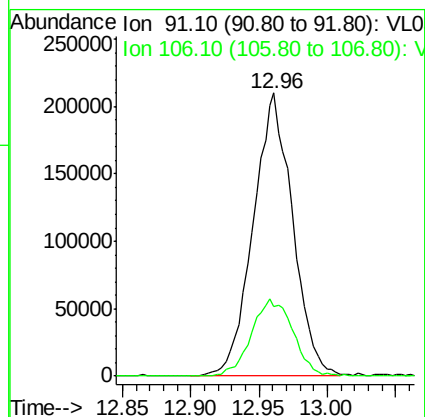
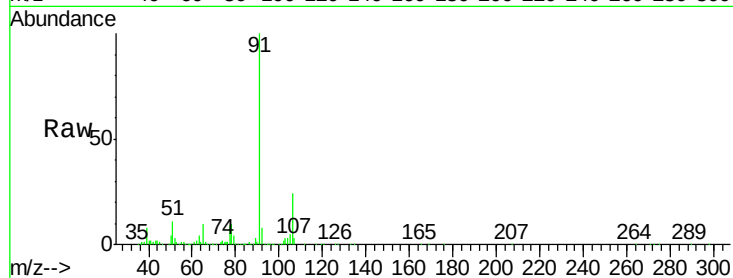
EFFLUENTDUP

Tgt Ion: 91 Resp: 420885

Ion Ratio Lower Upper

91 100

106 24.4 24.5 36.7#



#59

m/p-Xylene

Concen: 2.635 ppbv

RT: 13.22 min Scan# 3773

Delta R.T. -0.03 min

Lab File: VL032256.D

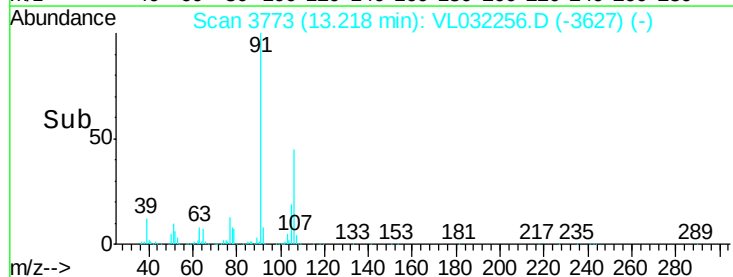
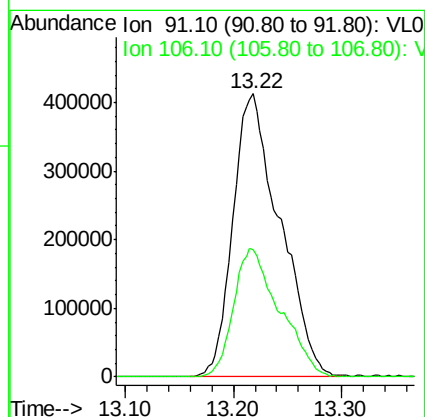
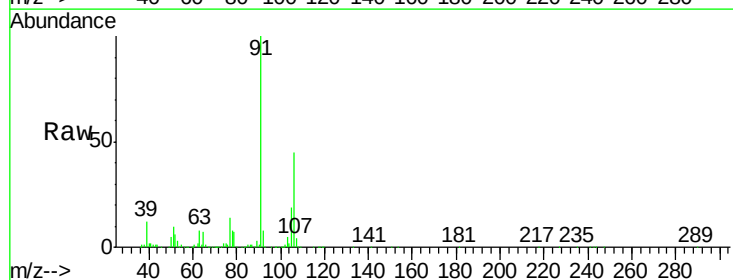
Acq: 13 Jul 2018 22:08

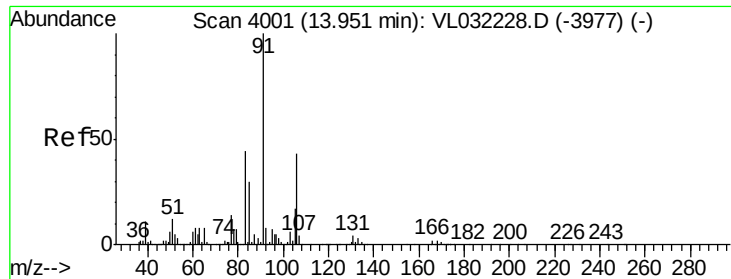
Tgt Ion: 91 Resp: 1244856

Ion Ratio Lower Upper

91 100

106 44.9 36.4 54.6

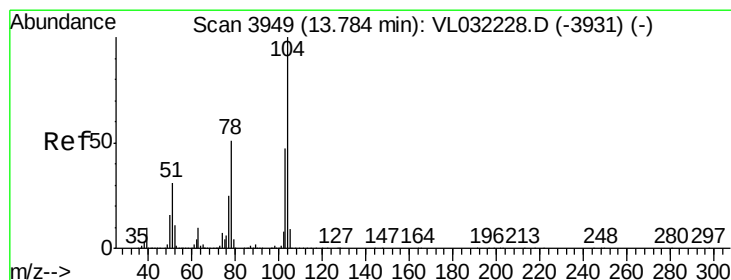
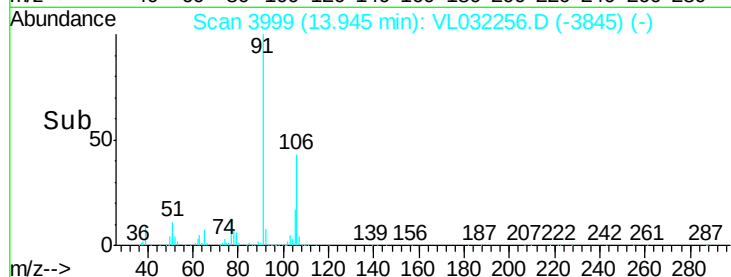
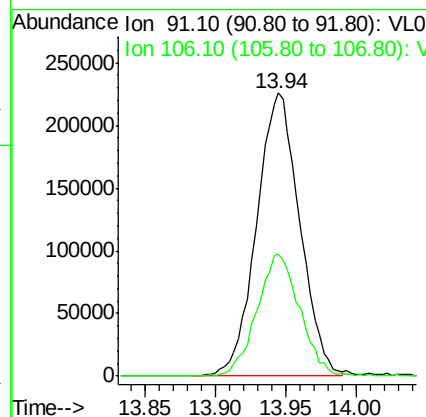
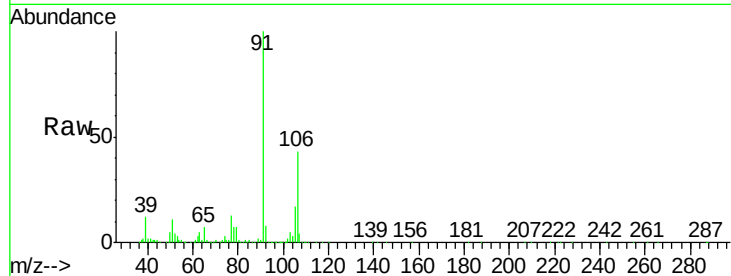




#60
o-Xylene
Concen: 1.027 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.01 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

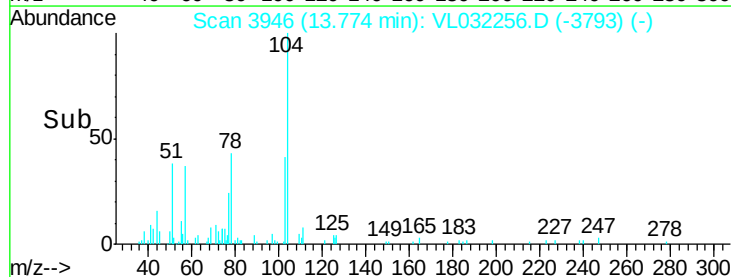
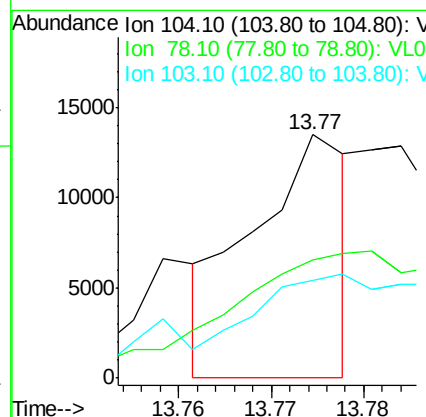
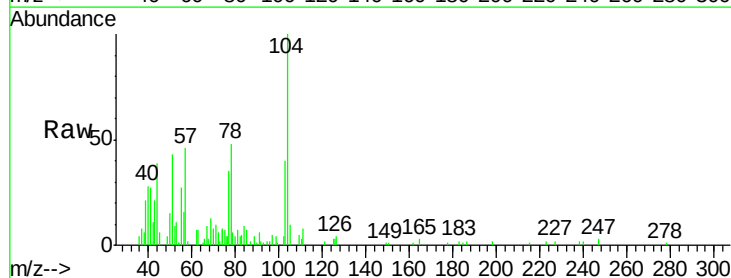
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

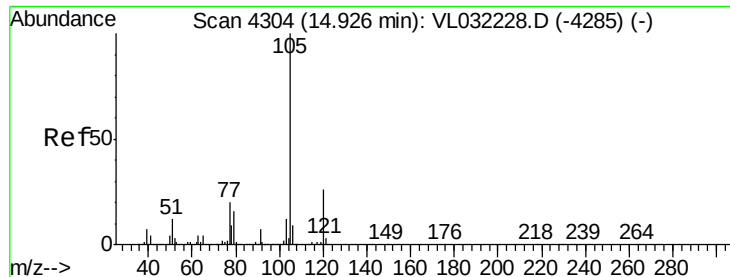
Tgt Ion: 91 Resp: 478923
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.5



#61
Styrene
Concen: 0.028 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL032256.D
Acq: 13 Jul 2018 22:08

Tgt Ion: 104 Resp: 9731
Ion Ratio Lower Upper
104 100
78 0.0 43.4 65.0#
103 0.0 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.039 ppbv

RT: 14.92 min Scan# 4302

Delta R.T. -0.01 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

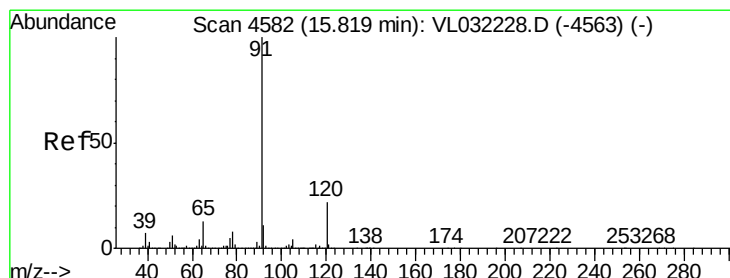
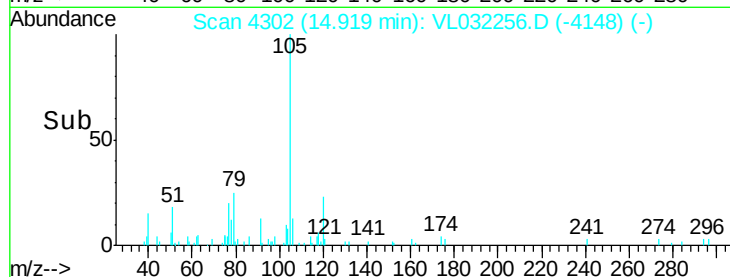
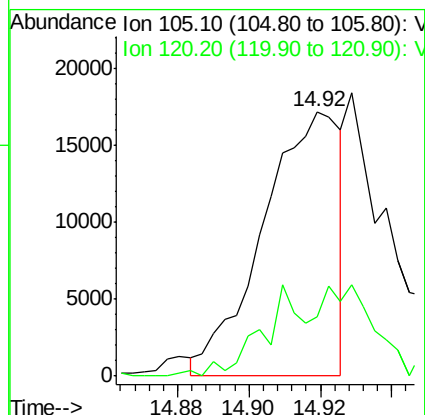
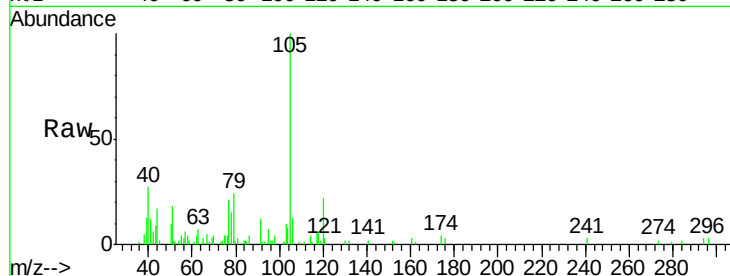
EFFLUENTDUP

Tgt Ion:105 Resp: 25755

Ion Ratio Lower Upper

105 100

120 44.1 20.2 30.2#



#64

n-propylbenzene

Concen: 0.070 ppbv

RT: 15.81 min Scan# 4579

Delta R.T. -0.01 min

Lab File: VL032256.D

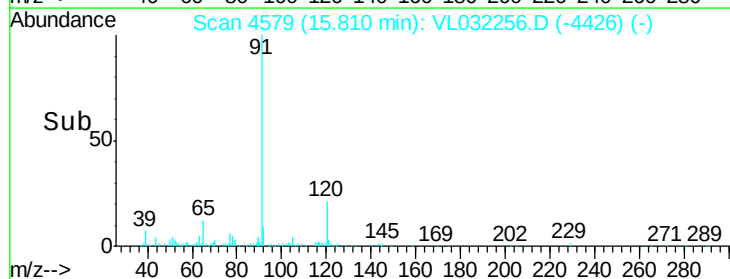
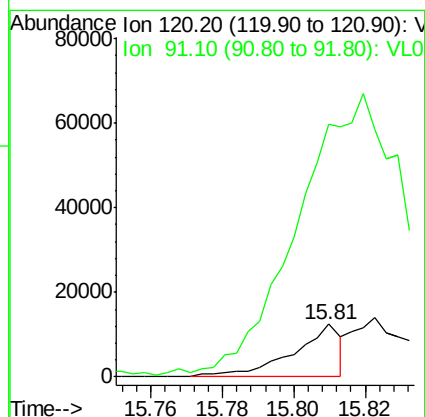
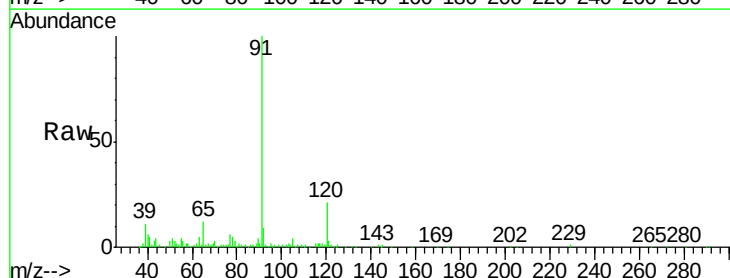
Acq: 13 Jul 2018 22:08

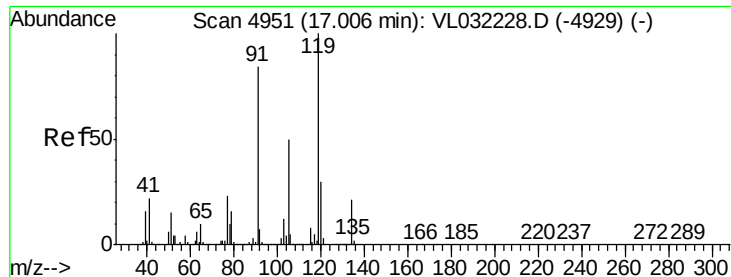
Tgt Ion:120 Resp: 11645

Ion Ratio Lower Upper

120 100

91 0.0 385.0 577.4#





#65

tert-Butylbenzene

Concen: 0.043 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. 0.02 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

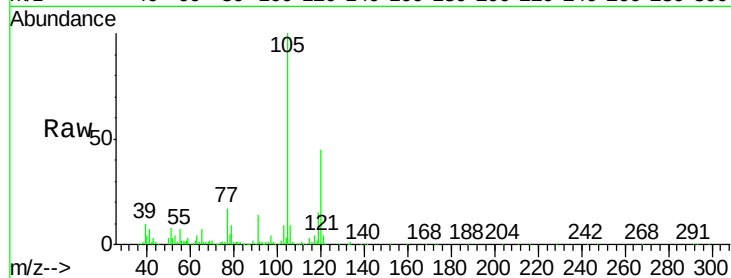
Tgt Ion: 119 Resp: 23619

Ion Ratio Lower Upper

119 100

91 273.6 68.6 102.8#

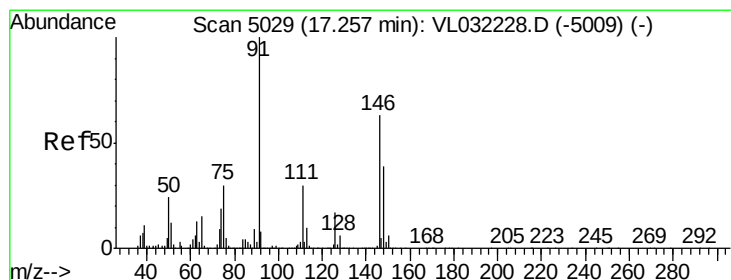
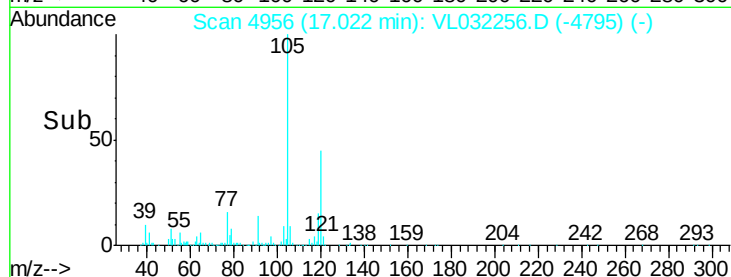
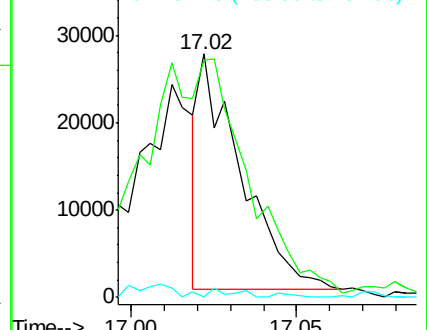
134 0.0 15.4 23.2#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.100 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. -0.23 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

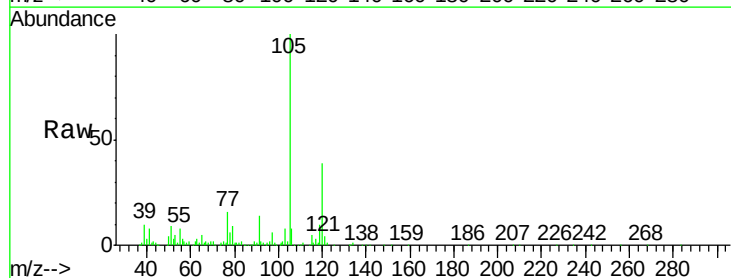
Tgt Ion: 91 Resp: 27748

Ion Ratio Lower Upper

91 100

126 0.0 13.4 20.0#

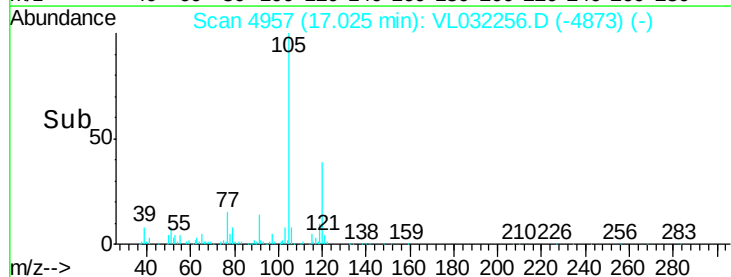
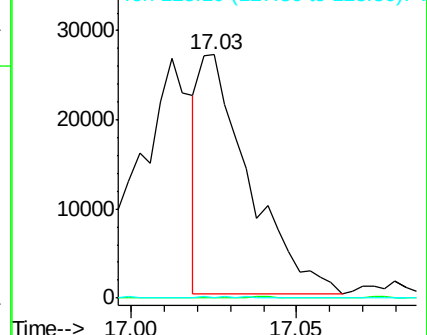
128 0.3 4.5 6.7#

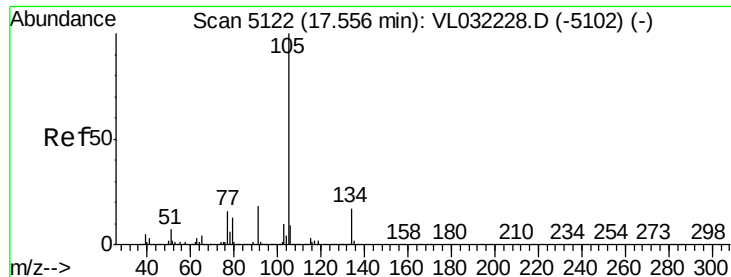


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.021 ppbv

RT: 17.55 min Scan# 5121

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

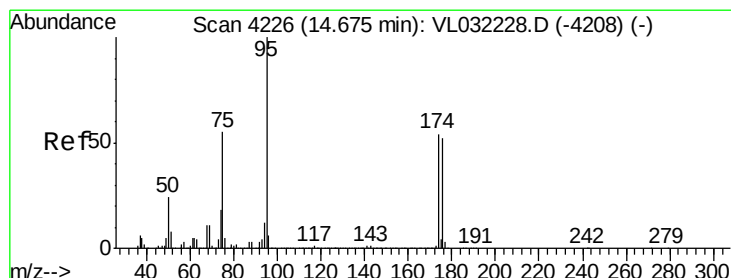
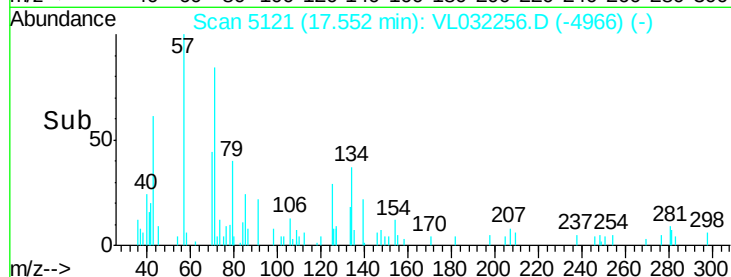
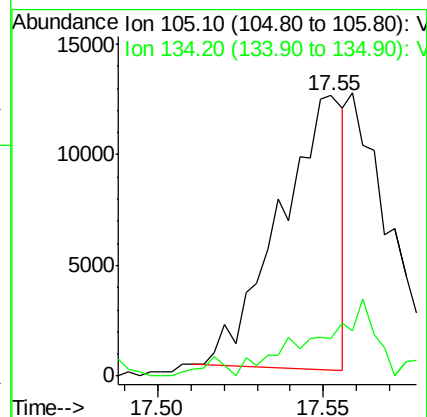
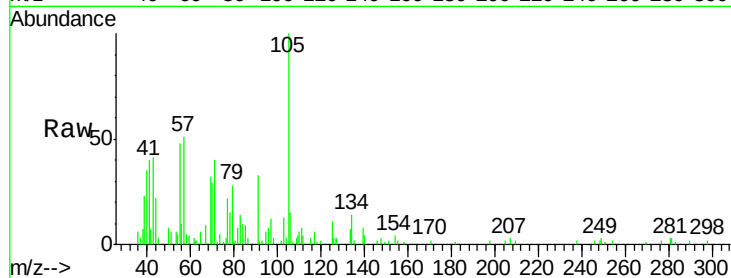
EFFLUENTDUP

Tgt Ion: 105 Resp: 16527

Ion Ratio Lower Upper

105 100

134 0.0 14.2 21.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.974 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

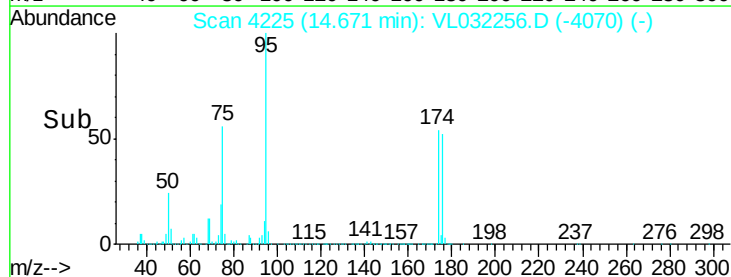
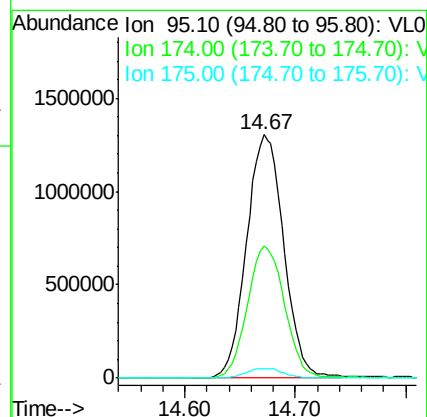
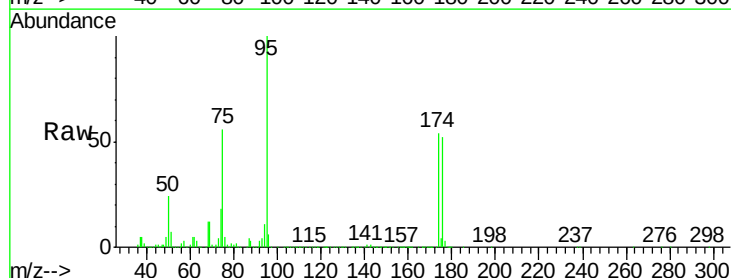
Tgt Ion: 95 Resp: 3044221

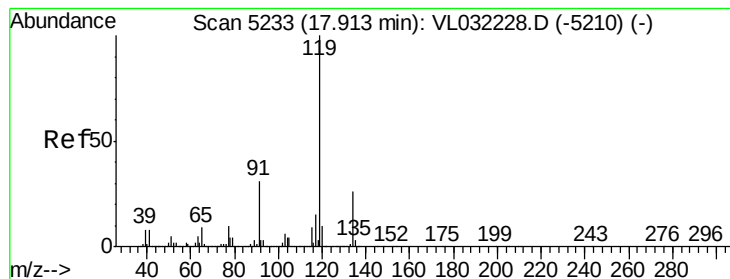
Ion Ratio Lower Upper

95 100

174 54.8 44.6 67.0

175 4.0 3.3 4.9





#69

p-Isopropyltoluene

Concen: 3.276 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. -0.00 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

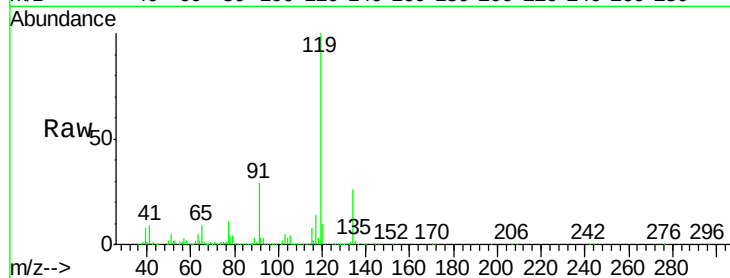
Tgt Ion:119 Resp: 2040679

Ion Ratio Lower Upper

119 100

134 25.4 20.1 30.1

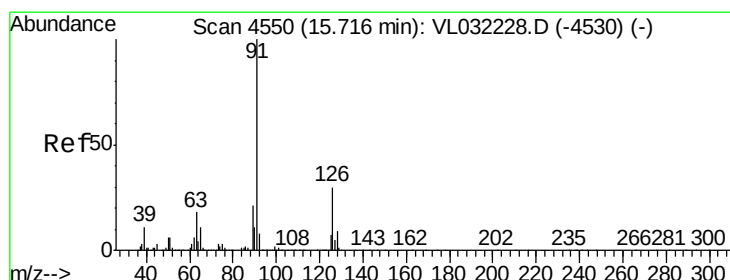
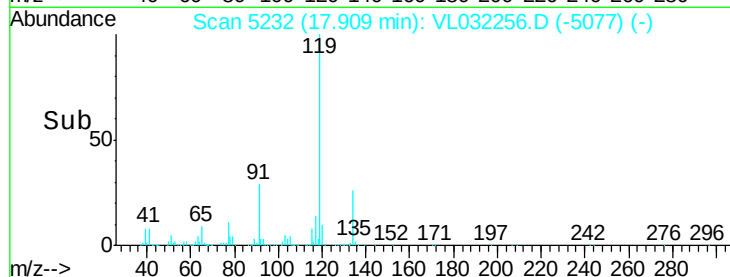
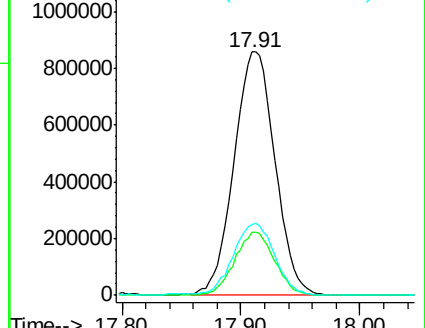
91 30.3 24.2 36.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0



#71

2-Chlorotoluene

Concen: 0.119 ppbv

RT: 15.81 min Scan# 4579

Delta R.T. 0.09 min

Lab File: VL032256.D

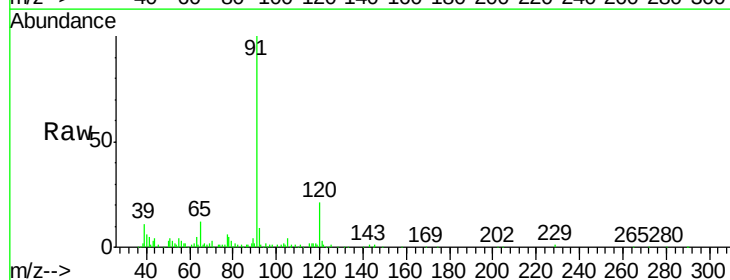
Acq: 13 Jul 2018 22:08

Tgt Ion: 91 Resp: 61470

Ion Ratio Lower Upper

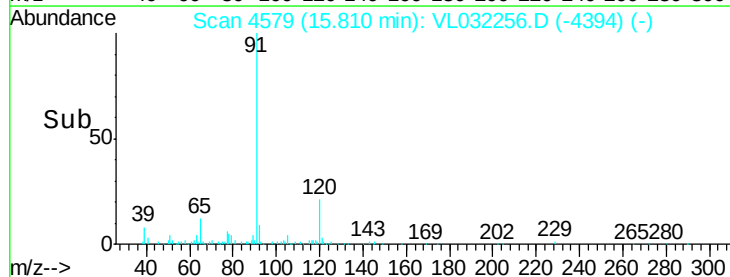
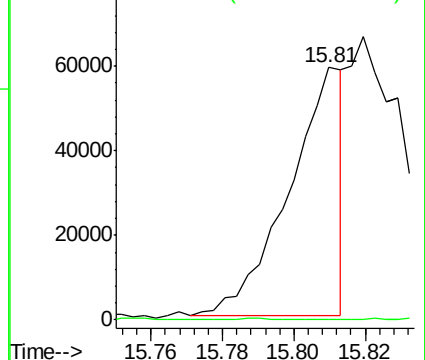
91 100

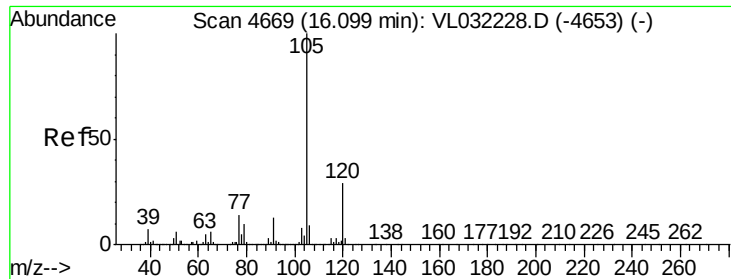
126 0.3 11.7 46.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.317 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.01 min

Lab File: VL032256.D

Acq: 13 Jul 2018 22:08

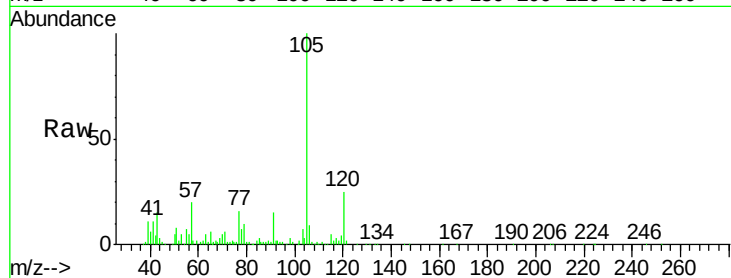
Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

Tgt Ion:	105	Resp:	165700
Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.3	34.9
91	15.6	10.3	15.5#
77	14.7	11.5	17.3

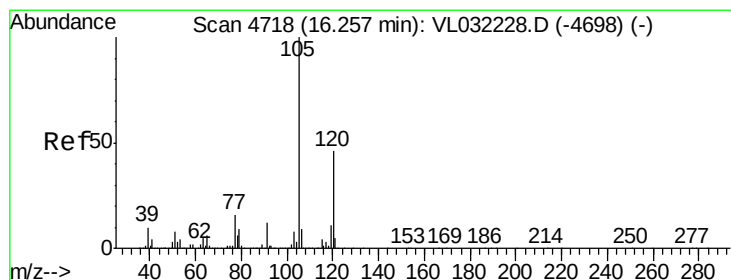
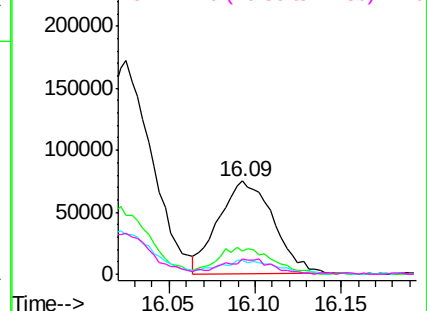
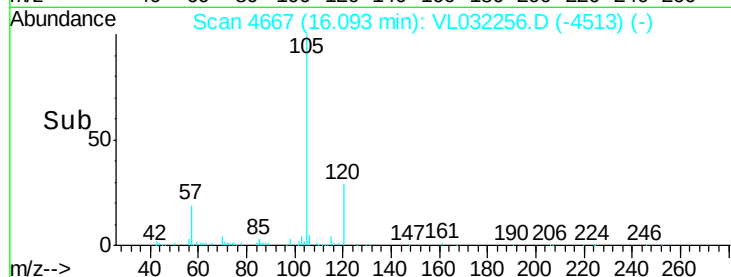


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.289 ppbv

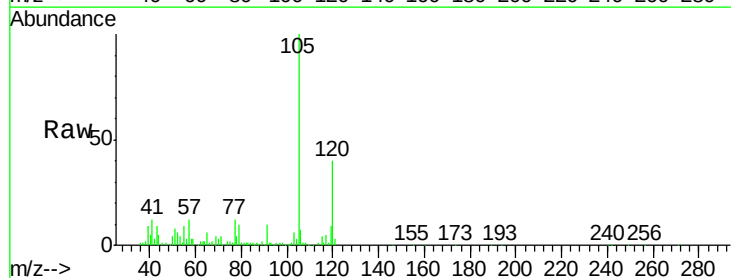
RT: 16.25 min Scan# 4716

Delta R.T. -0.01 min

Lab File: VL032256.D

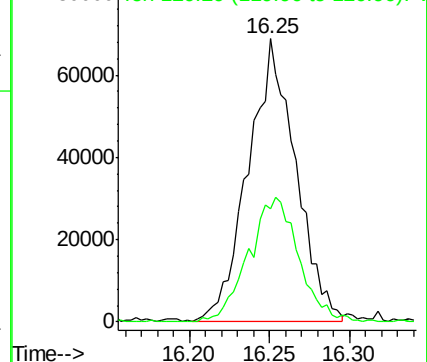
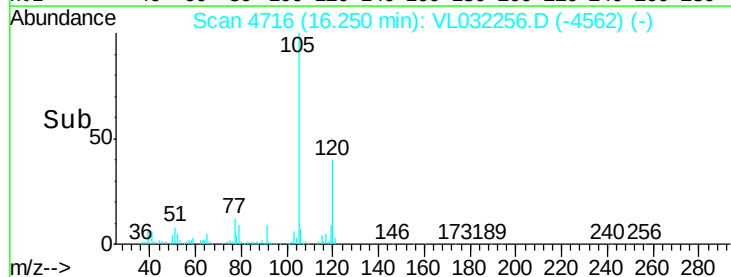
Acq: 13 Jul 2018 22:08

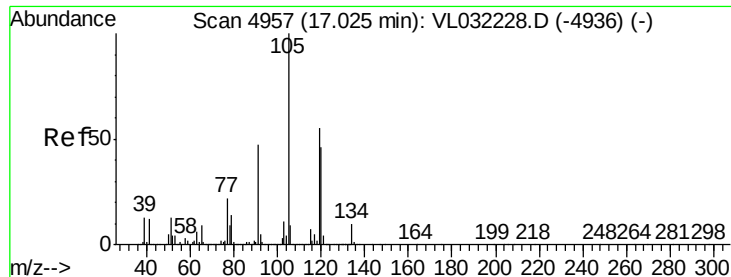
Tgt Ion:	105	Resp:	140395
Ion	Ratio	Lower	Upper
105	100		
120	39.9	36.6	54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

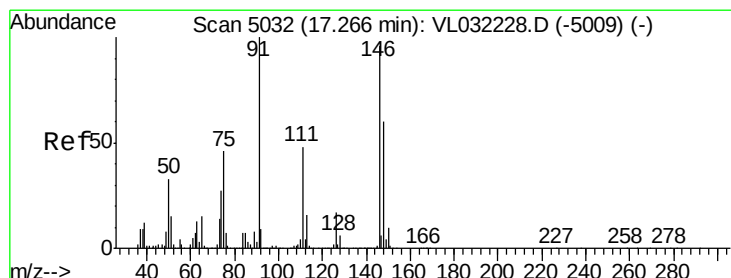
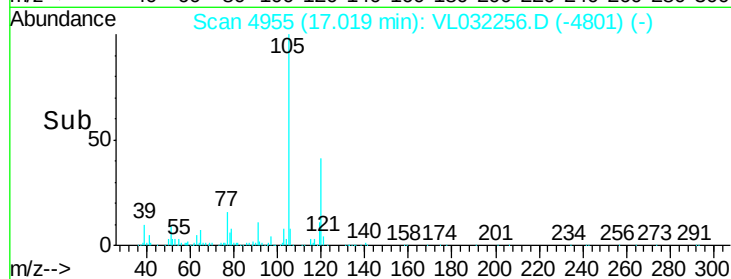
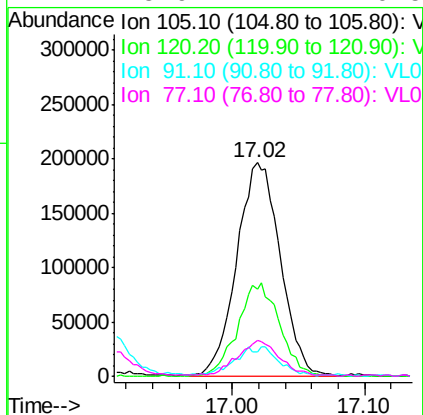
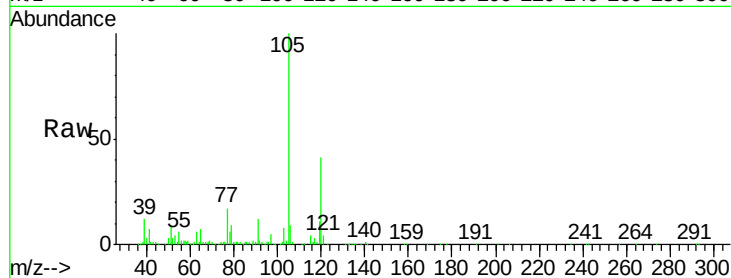




#74
 1,2,4-Trimethylbenzene
 Concen: 0.896 ppbv
 RT: 17.02 min Scan# 4957
 Delta R.T. -0.01 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

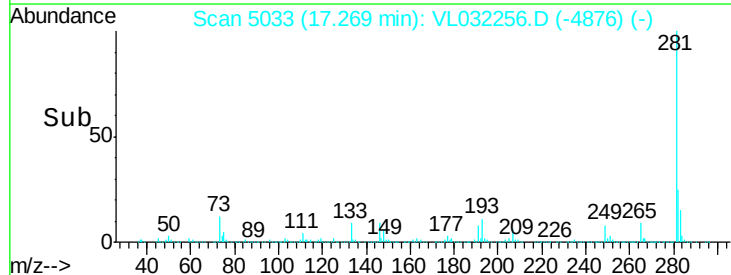
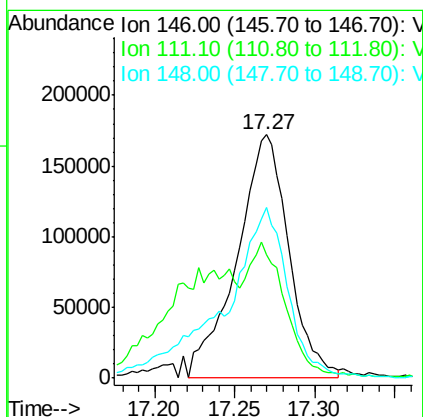
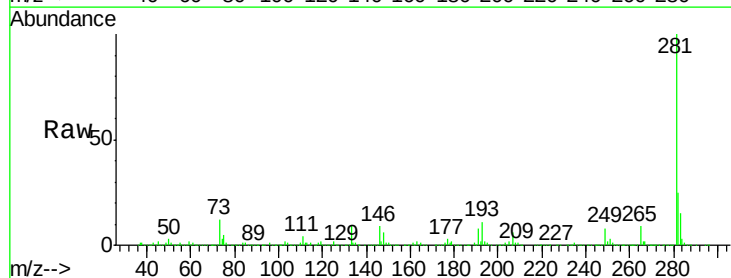
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

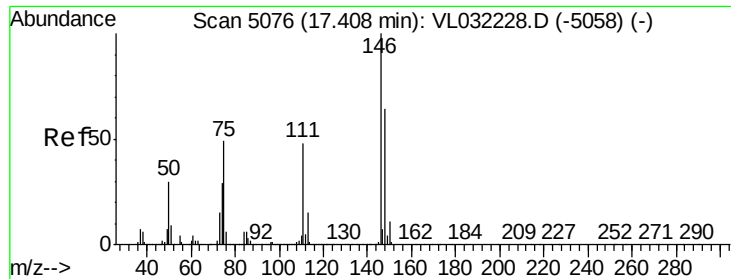
Tgt Ion:	105	Resp:	445439
Ion	Ratio	Lower	Upper
105	100		
120	40.8	37.0	55.4
91	10.9	38.2	57.2#
77	15.9	17.7	26.5#



#75
 1,3-Dichlorobenzene
 Concen: 1.295 ppbv
 RT: 17.27 min Scan# 5033
 Delta R.T. 0.00 min
 Lab File: VL032256.D
 Acq: 13 Jul 2018 22:08

Tgt Ion:	146	Resp:	384164
Ion	Ratio	Lower	Upper
146	100		
111	105.9	24.9	74.7#
148	88.3	31.9	95.5





#76

1,4-Dichlorobenzene

Concen: 0.022 ppbv

RT: 17.40 min Scan# 5075

Delta R.T. -0.00 min

Lab File: VL032256.D

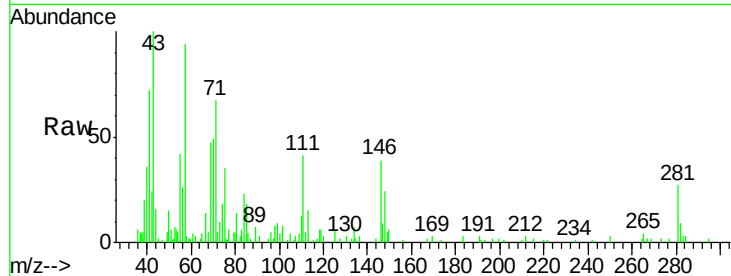
Acq: 13 Jul 2018 22:08

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP



Tgt Ion:	146	Resp:	6280
Ion	Ratio	Lower	Upper
146	100		
111	202.1	24.6	73.6#
148	0.0	32.3	96.9#

