

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033954.D
 Acq On : 25 Jun 2019 2:35
 Operator : SY/AP
 Sample : K3474-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

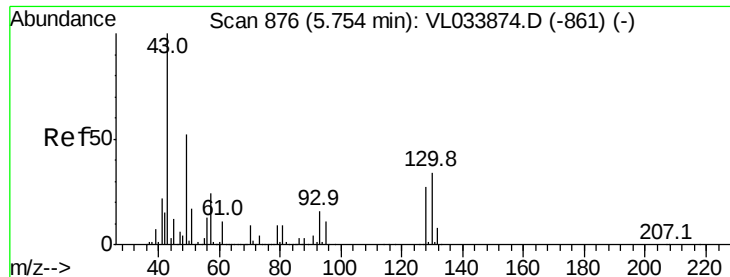
Quant Time: Jun 25 03:42:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	960782	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.26	114	2393592	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2467381	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.54	95	1929671	9.52	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	55576	0.356	ppbv	96
3) Chlorodifluoromethane	3.00	51	101579	0.898	ppbv #	88
4) Chloromethane	3.16	50	38098	0.591	ppbv	99
7) Chloroethane	3.59	64	844	0.036	ppbv #	85
9) Propene	3.03	41	79710	1.883	ppbv #	82
10) Heptane	8.21	43	5366	0.050	ppbv #	26
11) Trichlorofluoromethane	3.99	101	59881	0.298	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.53	101	5264	0.039	ppbv #	33
13) Ethanol	3.64	45	687037	49.894	ppbv	97
15) Acetone	3.89	43	995607	7.105	ppbv	93
16) 1,3-Butadiene	3.33	39	53729	1.007	ppbv #	15
17) tert-Butyl alcohol	4.35	59	43987	0.402	ppbv #	92
19) Isopropyl Alcohol	4.02	45	573121	7.160	ppbv	99
20) Methylene Chloride	4.39	84	42047	0.769	ppbv	91
23) Vinyl Acetate	5.13	43	49455	0.304	ppbv #	89
24) 1,1-Dichloroethane	5.07	63	5315	0.042	ppbv #	91
25) Ethyl Acetate	5.76	43	56940	0.267	ppbv #	89
26) Hexane	5.76	57	61545	0.633	ppbv #	47
30) Cyclohexane	7.22	84	2282	0.033	ppbv #	1
32) 1,1,1-Trichloroethane	6.60	97	103707	0.646	ppbv	97
34) 2-Butanone	5.31	43	133354	0.988	ppbv	99
36) Benzene	6.98	78	28876	0.158	ppbv	96
39) 1,2-Dichloropropane	7.26	63	574600	8.142	ppbv #	25
41) Tetrahydrofuran	6.14	42	71859	1.048	ppbv	98
44) 2,2,4-Trimethylpentane	7.97	57	52046	0.160	ppbv #	60
52) Tetrachloroethene	11.34	164	3606	0.056	ppbv #	54
53) Toluene	9.92	91	194586	0.962	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.81	131	12307	0.114	ppbv #	10
58) Ethyl Benzene	12.83	91	20140	0.072	ppbv	92
60) o-Xylene	13.81	91	15976	0.061	ppbv #	43
65) tert-Butylbenzene	17.10	119	180675	0.555	ppbv #	19
74) 1,2,4-Trimethylbenzene	16.89	105	10166	0.030	ppbv #	64
75) 1,3-Dichlorobenzene	17.14	146	57904	0.274	ppbv #	34

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

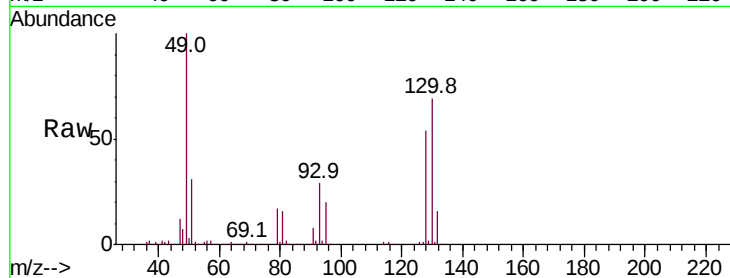
Tot Ion: 49 Resp: 960782

Ion Ratio Lower Upper

49 100

128 52.8 25.5 76.5

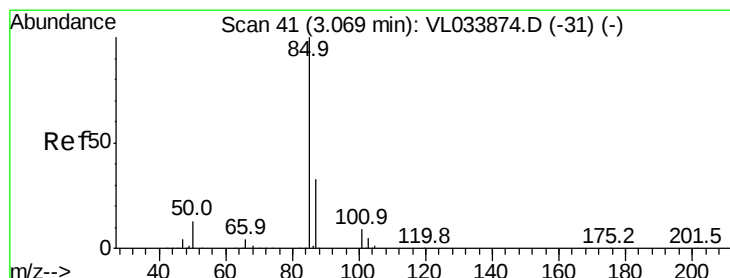
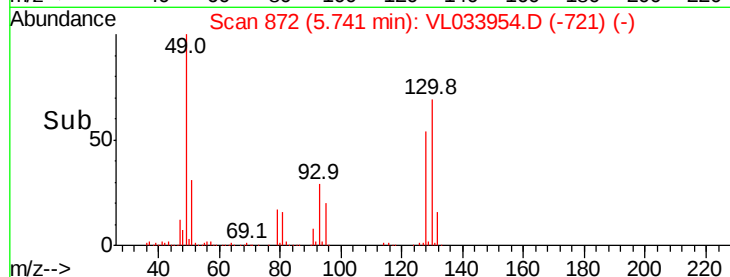
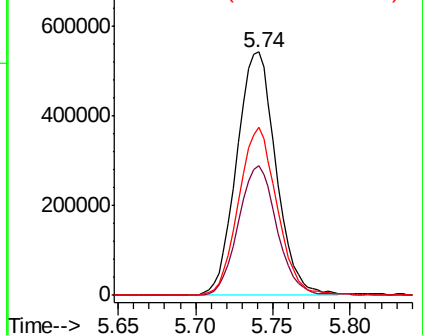
130 67.9 32.5 97.4



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: 0.356 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033954.D

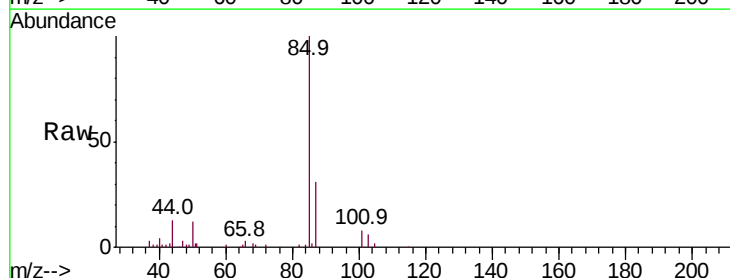
Acq: 25 Jun 2019 2:35

Tgt Ion: 85 Resp: 55576

Ion Ratio Lower Upper

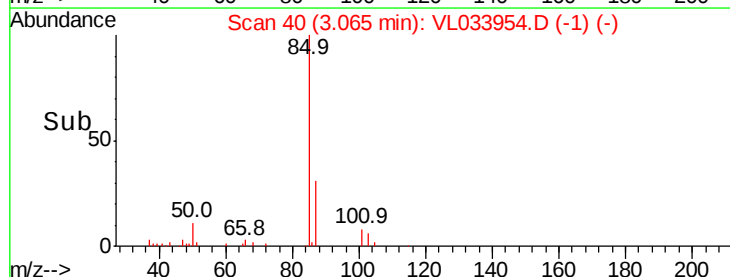
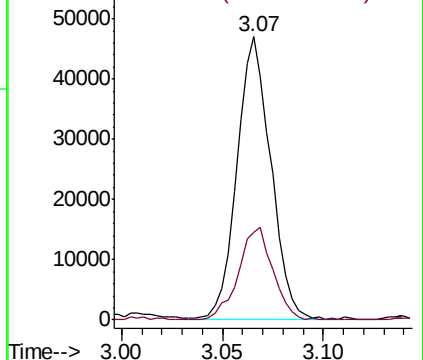
85 100

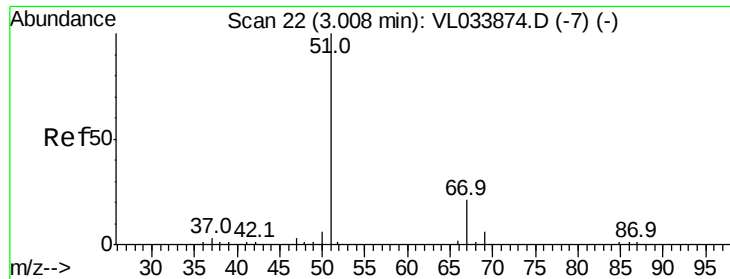
87 30.8 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

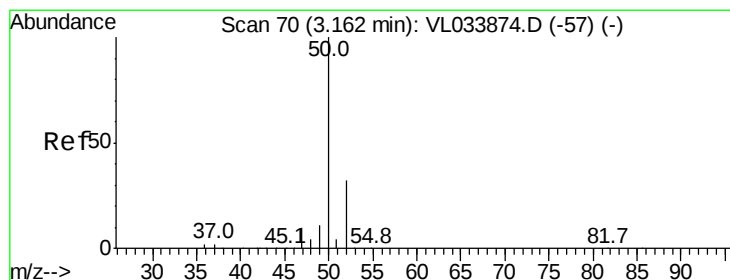
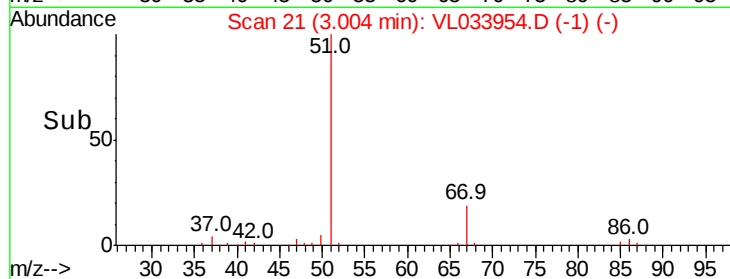
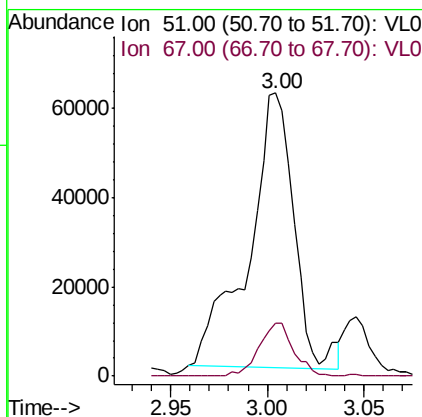
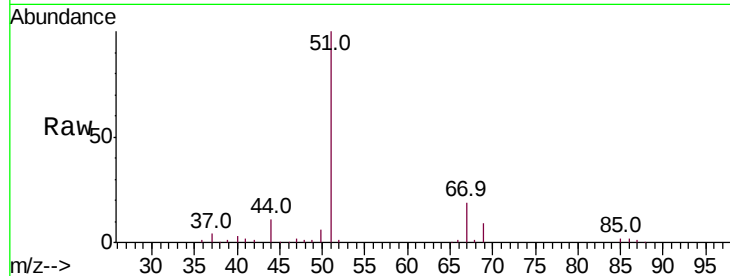




#3
Chlorodifluoromethane
Concen: 0.898 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033954.D
Acq: 25 Jun 2019 2:35

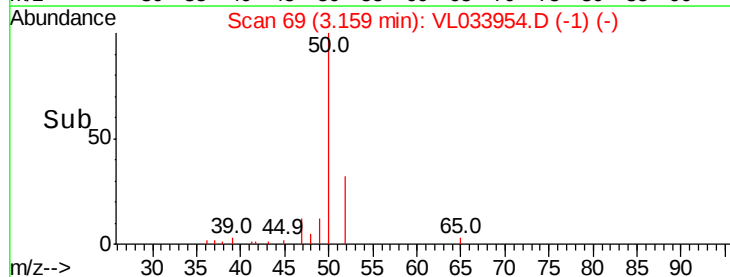
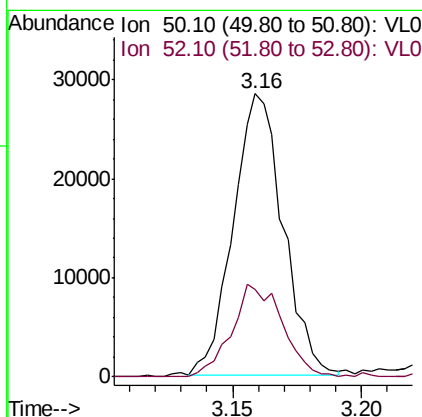
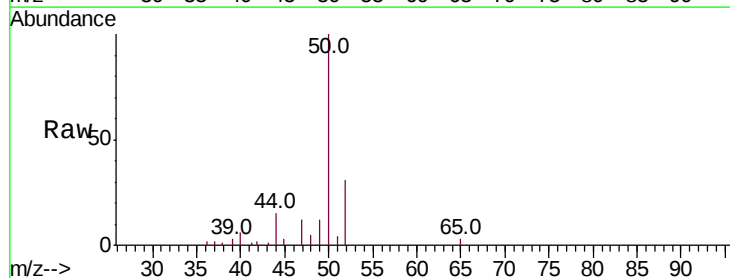
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

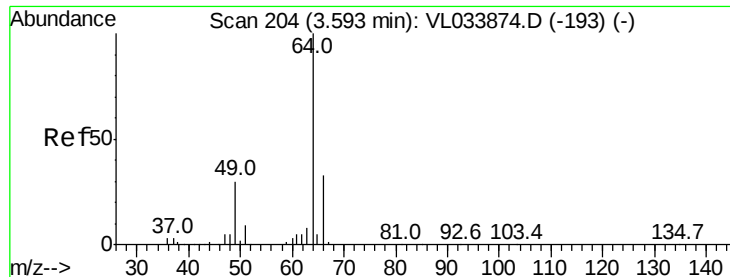
Tot Ion: 51 Resp: 101579
Ion Ratio Lower Upper
51 100
67 14.8 16.4 24.6#



#4
Chloromethane
Concen: 0.591 ppbv
RT: 3.16 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL033954.D
Acq: 25 Jun 2019 2:35

Tgt Ion: 50 Resp: 38098
Ion Ratio Lower Upper
50 100
52 31.2 25.4 38.0





#7

Chloroethane

Concen: 0.036 ppbv

RT: 3.59 min Scan# 202

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

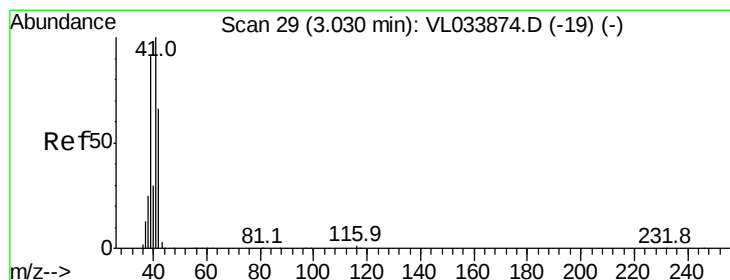
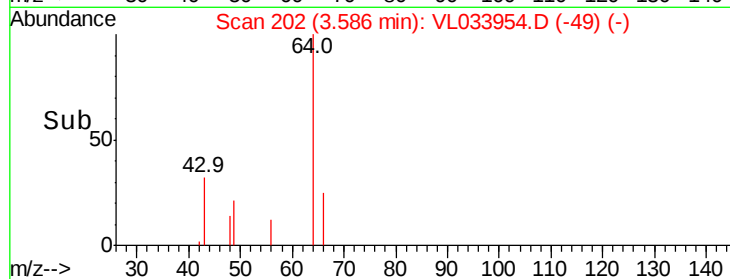
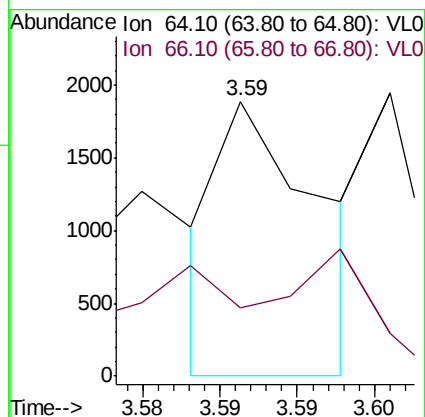
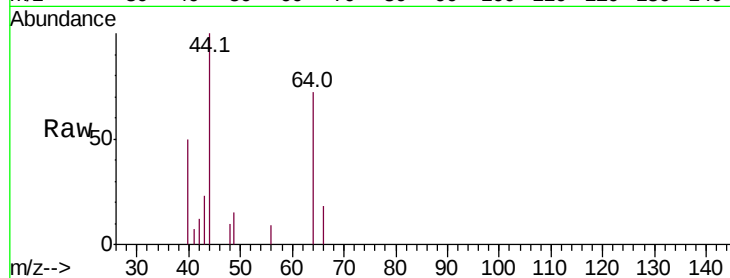
EFFLUENT

Tot Ion: 64 Resp: 844

Ion Ratio Lower Upper

64 100

66 25.1 26.7 40.1#



#9

Propene

Concen: 1.883 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033954.D

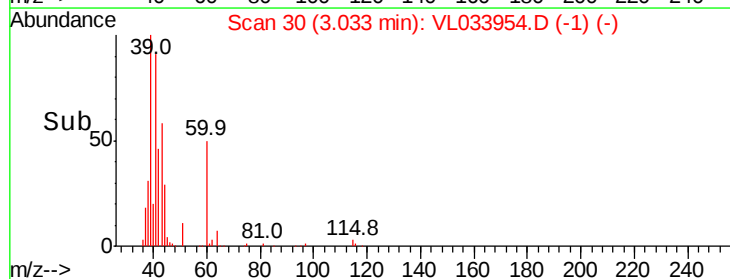
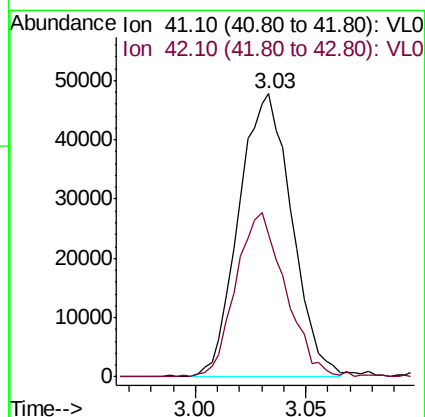
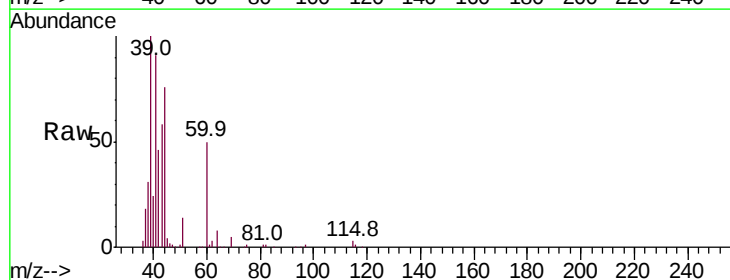
Acq: 25 Jun 2019 2:35

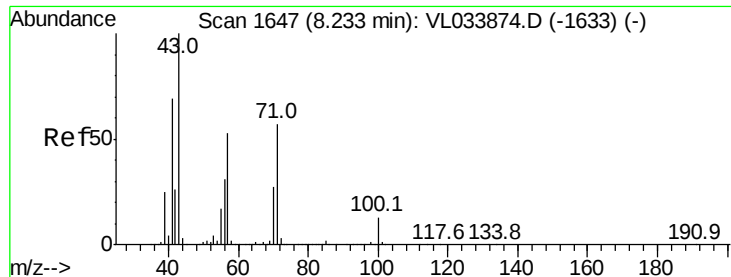
Tgt Ion: 41 Resp: 79710

Ion Ratio Lower Upper

41 100

42 55.3 56.3 84.5#

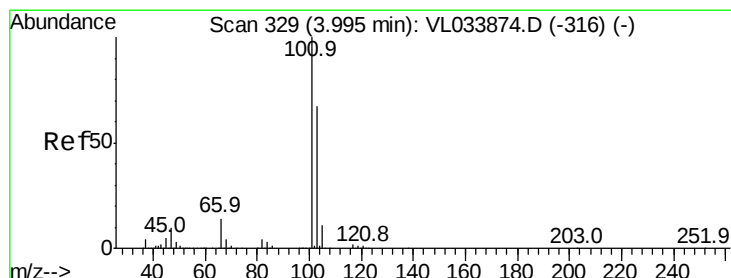
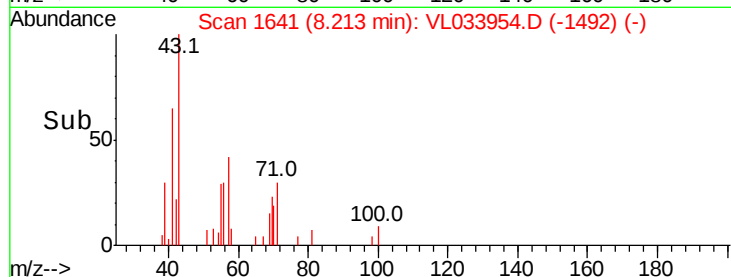
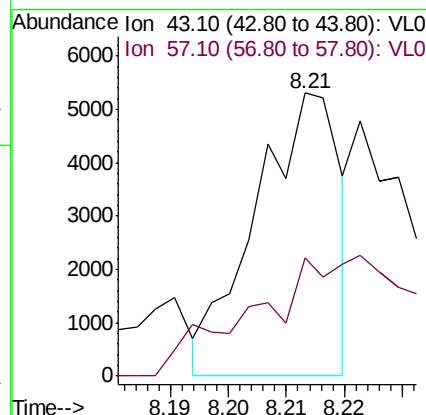
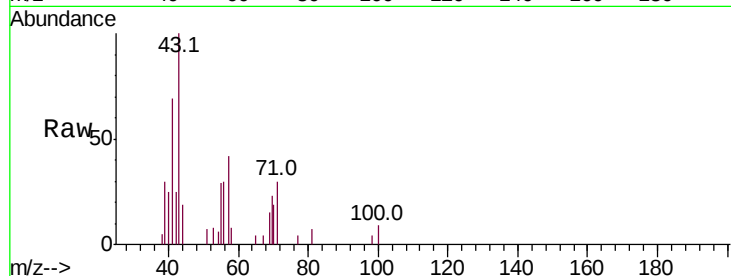




#10
 Heptane
 Concen: 0.050 ppbv
 RT: 8.21 min Scan# 1641
 Delta R.T. -0.02 min
 Lab File: VL033954.D
 Acq: 25 Jun 2019 2:35

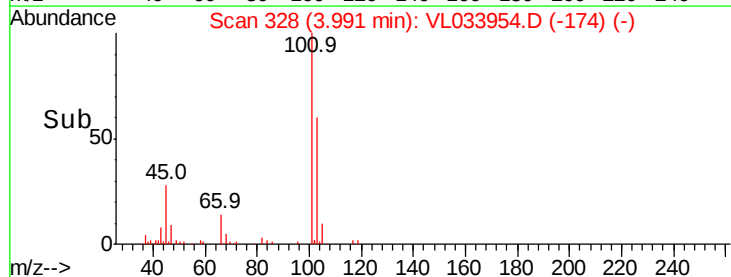
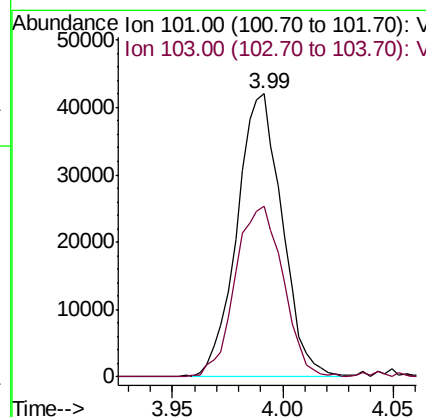
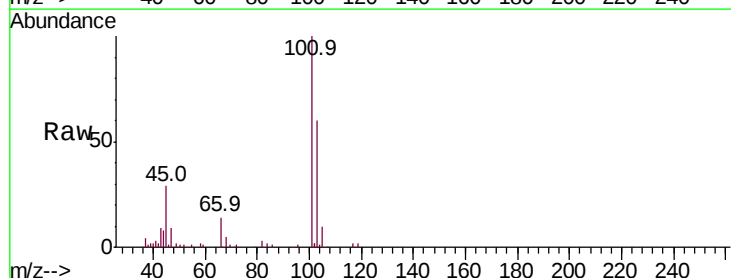
Instrument :
 MSVOA_L
 ClientSampled :
 EFFLUENT

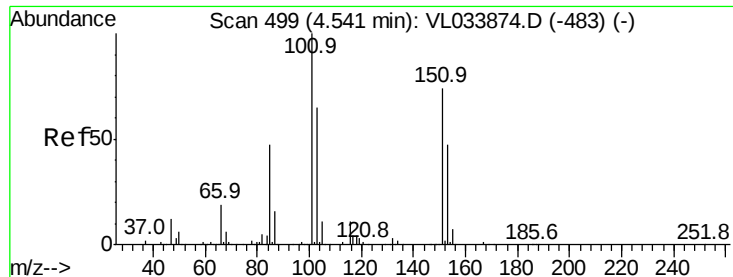
Tot Ion: 43 Resp: 5366
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.7 62.5#



#11
 Trichlorofluoromethane
 Concen: 0.298 ppbv
 RT: 3.99 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VL033954.D
 Acq: 25 Jun 2019 2:35

Tgt Ion: 101 Resp: 59881
 Ion Ratio Lower Upper
 101 100
 103 60.1 53.6 80.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.039 ppbv

RT: 4.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

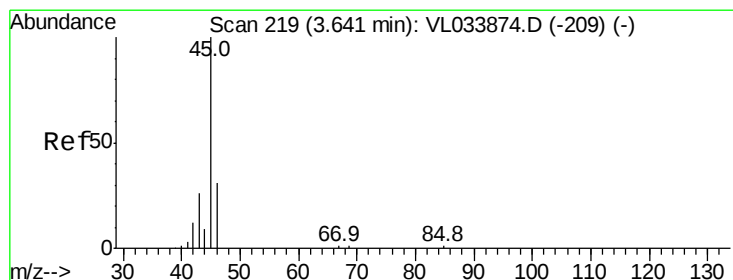
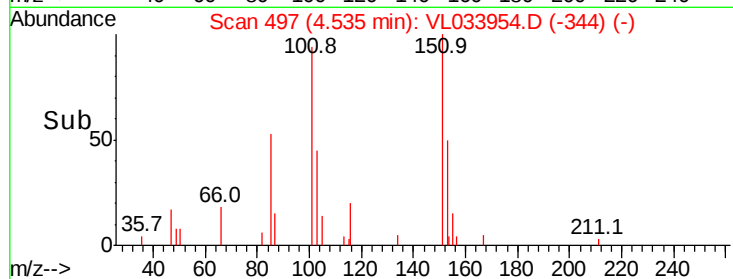
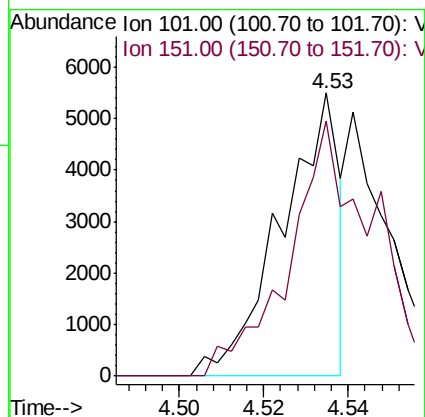
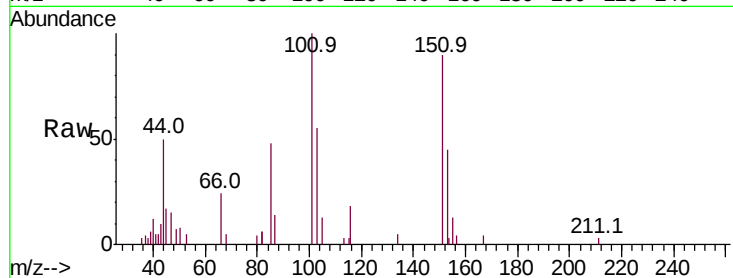
EFFLUENT

Tot Ion:101 Resp: 5264

Ion Ratio Lower Upper

101 100

151 129.5 58.6 87.8#



#13

Ethanol

Concen: 49.894 ppbv

RT: 3.64 min Scan# 219

Delta R.T. -0.00 min

Lab File: VL033954.D

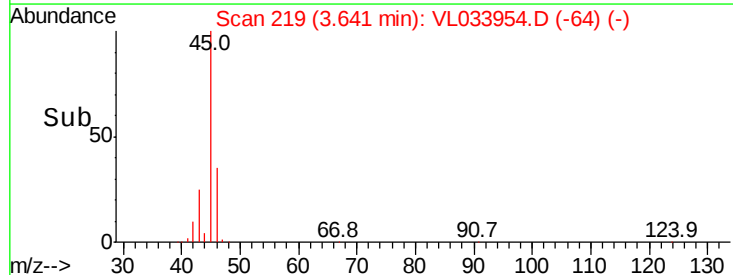
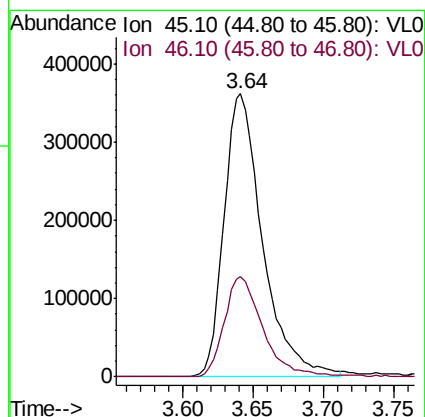
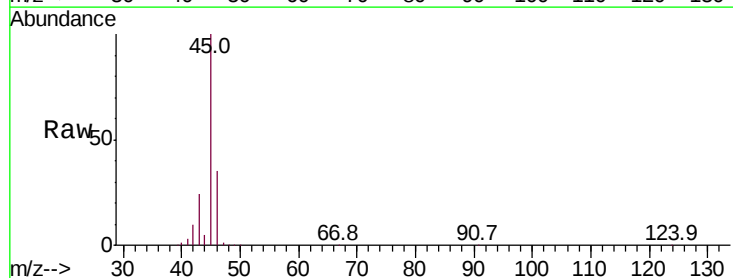
Acq: 25 Jun 2019 2:35

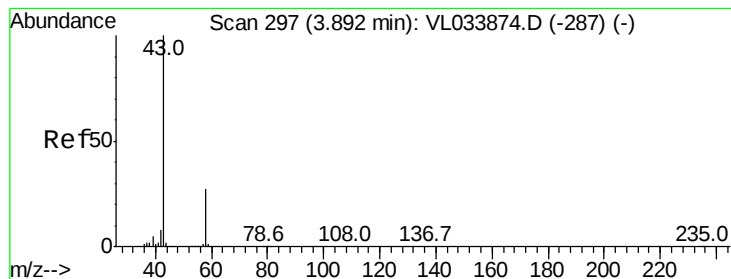
Tgt Ion: 45 Resp: 687037

Ion Ratio Lower Upper

45 100

46 36.4 15.3 61.1





#15

Acetone

Concen: 7.105 ppbv

RT: 3.89 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

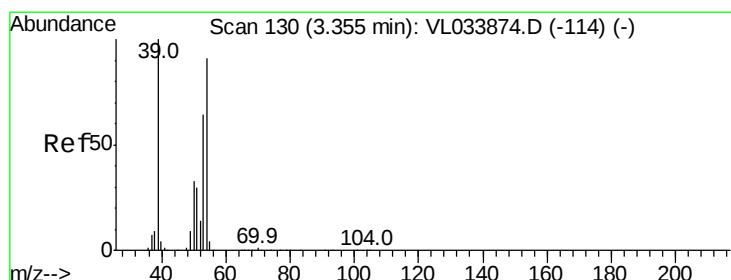
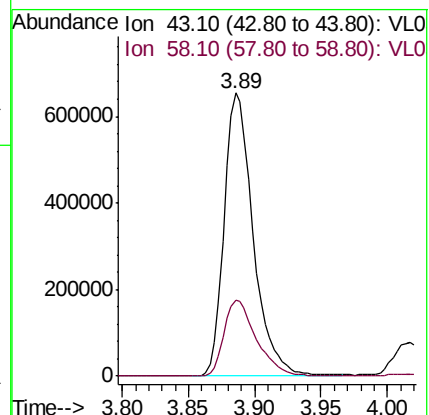
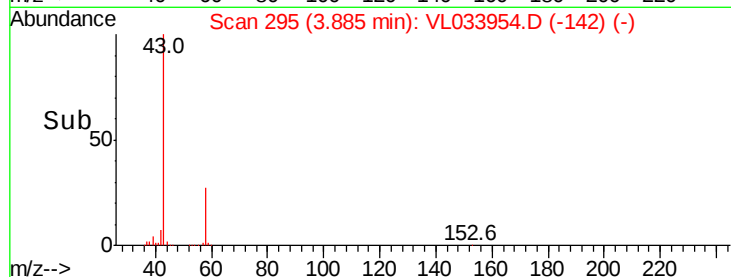
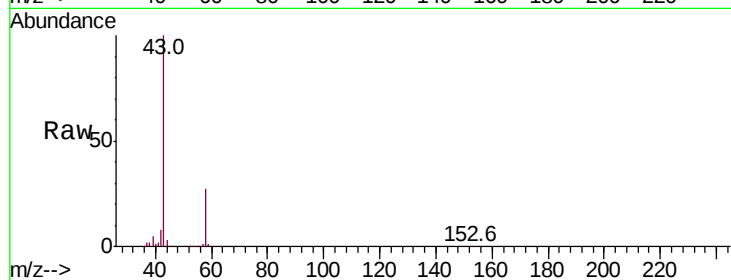
EFFLUENT

Tot Ion: 43 Resp: 995607

Ion Ratio Lower Upper

43 100

58 30.1 21.3 31.9



#16

1,3-Butadiene

Concen: 1.007 ppbv

RT: 3.33 min Scan# 121

Delta R.T. -0.03 min

Lab File: VL033954.D

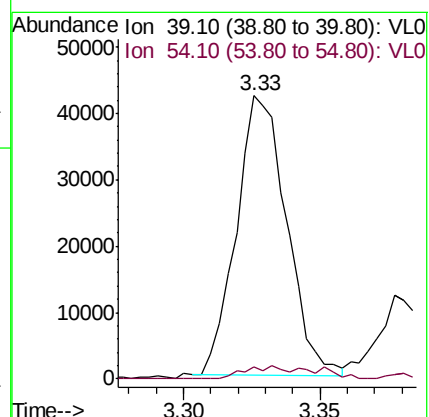
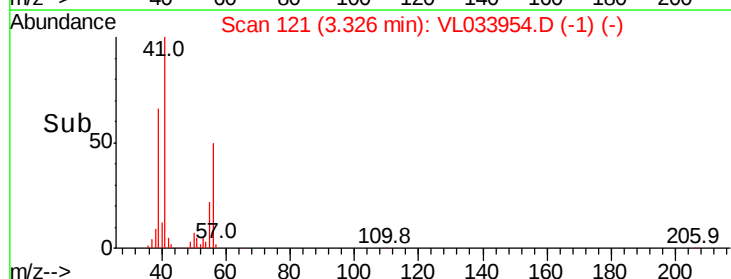
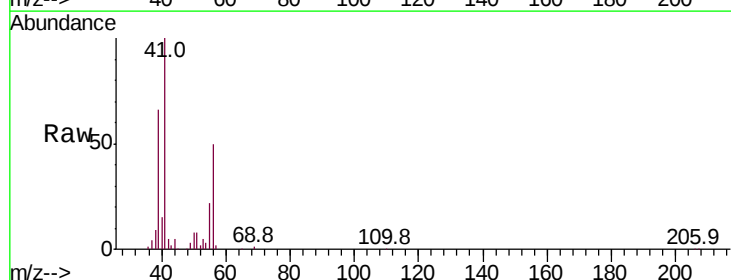
Acq: 25 Jun 2019 2:35

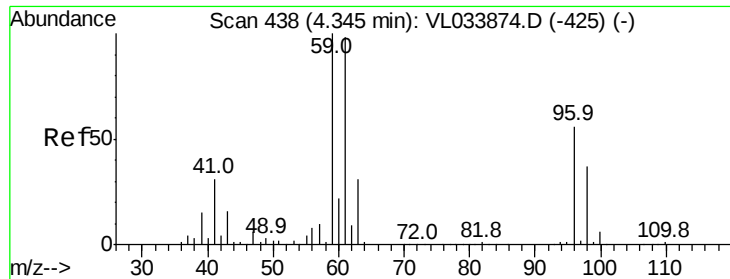
Tgt Ion: 39 Resp: 53729

Ion Ratio Lower Upper

39 100

54 7.5 68.6 103.0#





#17

tert-Butyl alcohol

Concen: 0.402 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

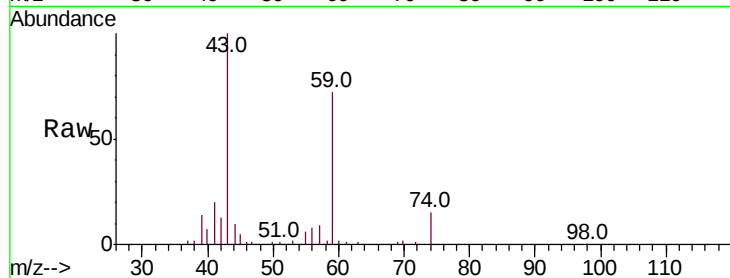
EFFLUENT

Tot Ion: 59 Resp: 43987

Ion Ratio Lower Upper

59 100

57 13.4 8.4 12.6#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

30000

25000

20000

15000

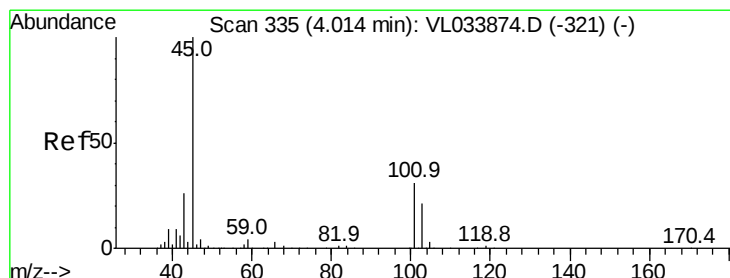
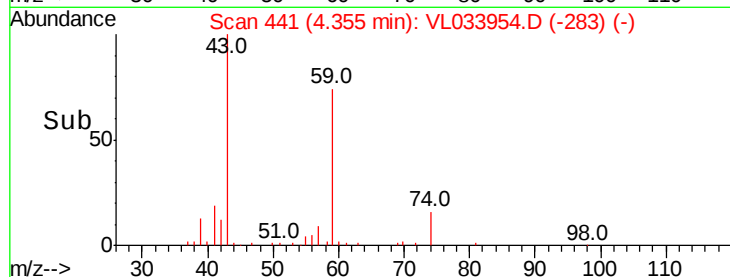
10000

5000

0

4.30 4.35 4.40

Time-->



#19

Isopropyl Alcohol

Concen: 7.160 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL033954.D

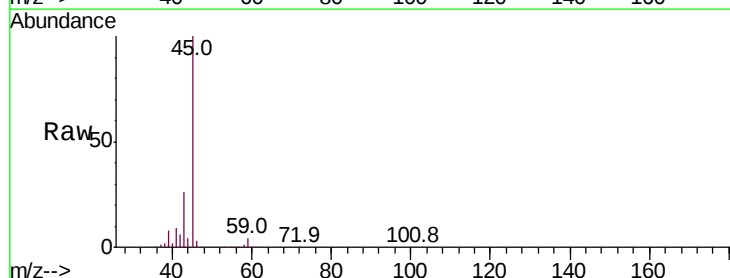
Acq: 25 Jun 2019 2:35

Tgt Ion: 45 Resp: 573121

Ion Ratio Lower Upper

45 100

58 2.4 1.8 2.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

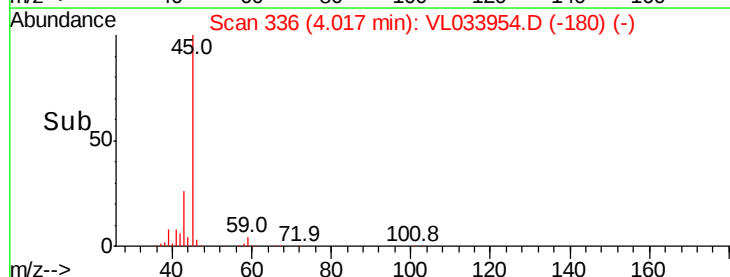
200000

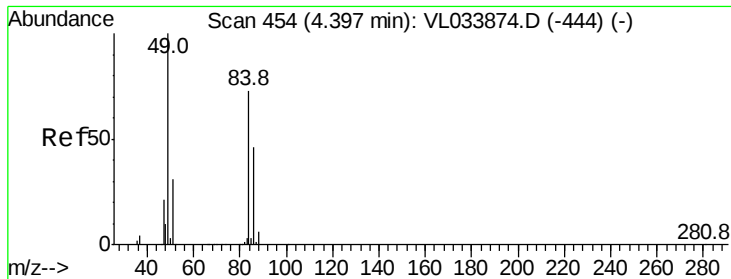
100000

0

3.95 4.00 4.05 4.10

Time-->





#20

Methvlene Chloride

Concen: 0.769 ppbv

RT: 4.39 min Scan# 452

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion: 84 Resp: 42047

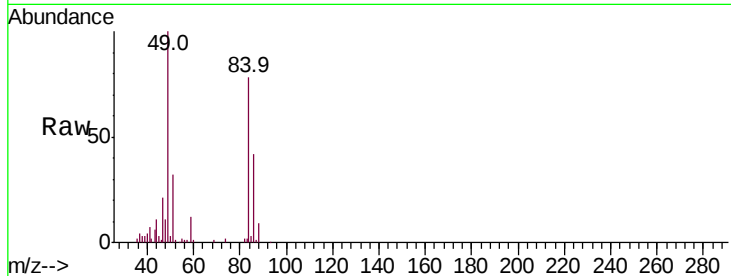
Ion Ratio Lower Upper

84 100

49 127.1 110.0 165.0

51 39.4 34.6 51.8

86 53.8 50.6 75.8

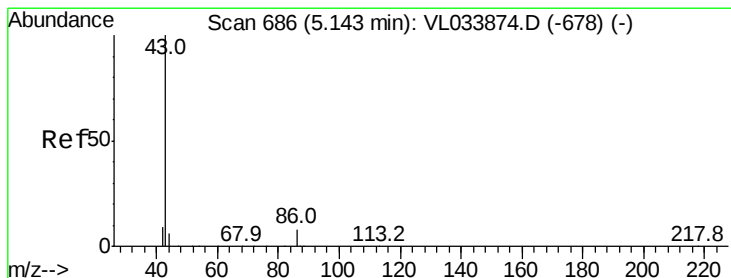
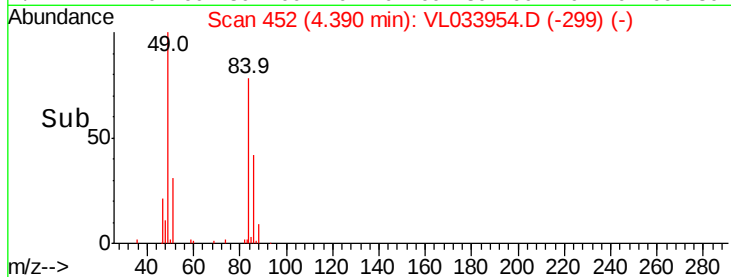
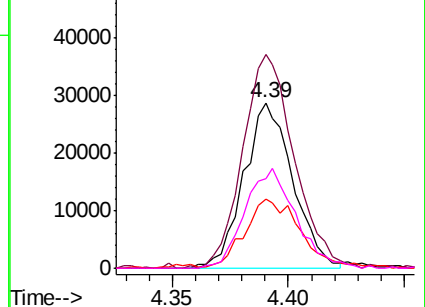


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23

Vinyl Acetate

Concen: 0.304 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Tgt Ion: 43 Resp: 49455

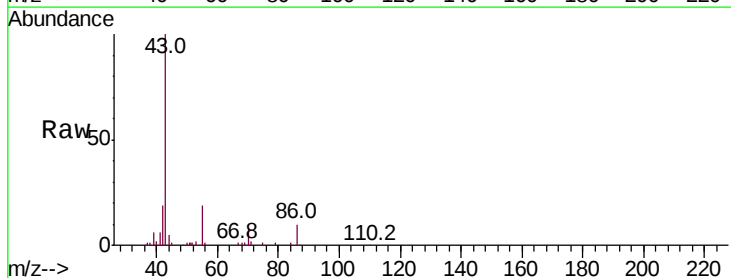
Ion Ratio Lower Upper

43 100

86 8.2 5.8 8.8

42 16.1 7.8 11.8#

44 1.6 4.2 6.4#

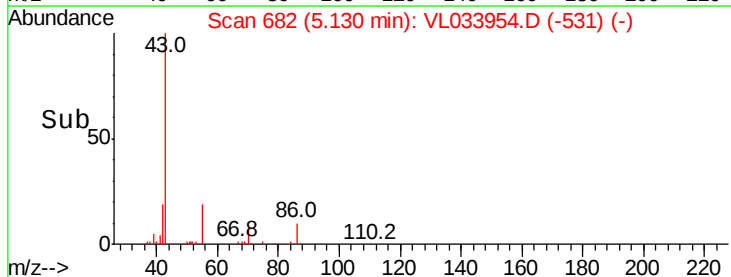
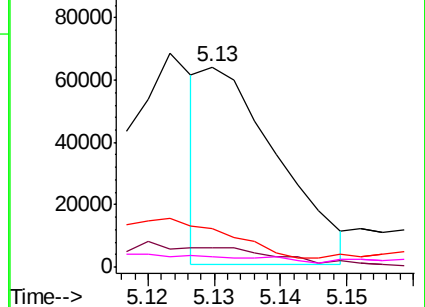


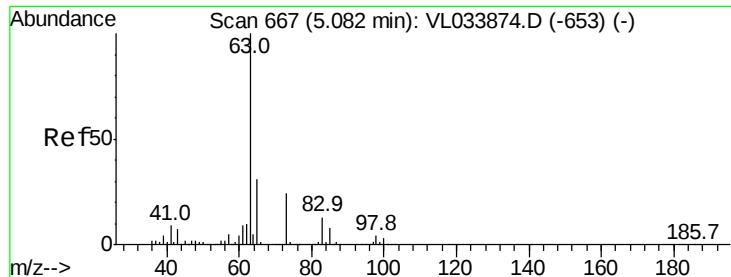
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.042 ppbv

RT: 5.07 min Scan# 662

Delta R.T. -0.02 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

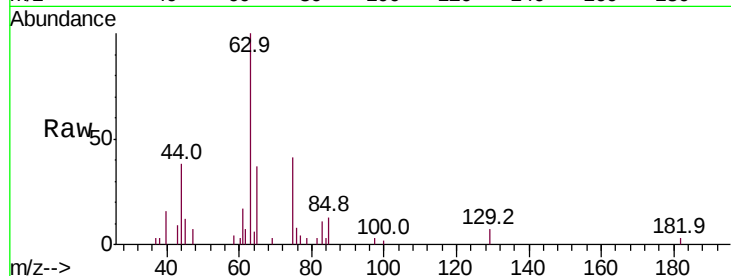
Tot Ion: 63 Resp: 5315

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

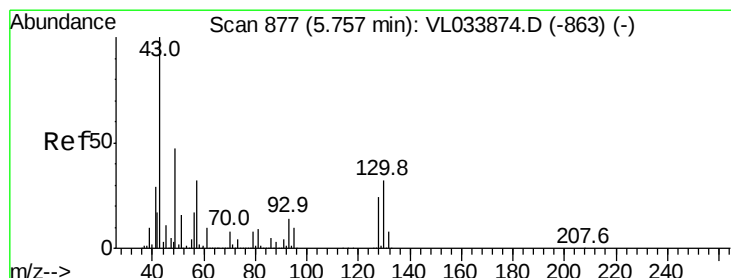
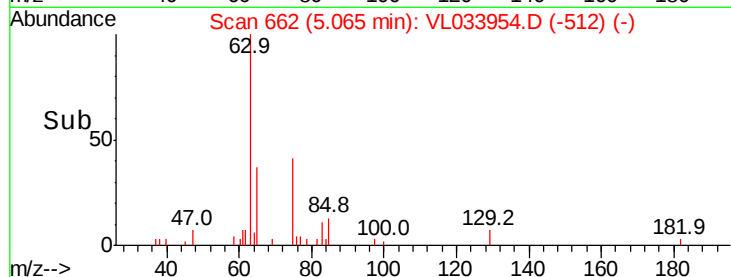
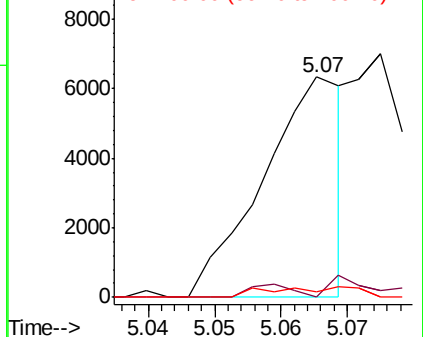
100 2.5 1.3 3.8



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: 0.267 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Tgt Ion: 43 Resp: 56940

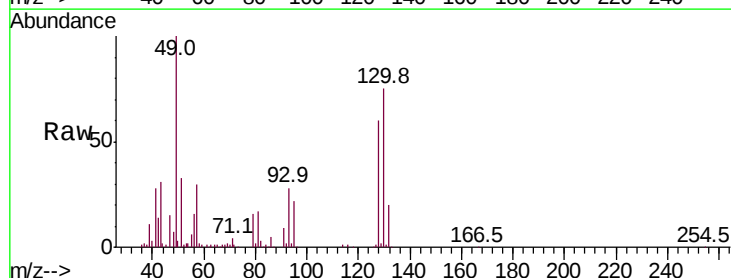
Ion Ratio Lower Upper

43 100

45 8.4 7.9 11.9

61 3.0 7.8 11.6#

70 3.5 5.8 8.6#

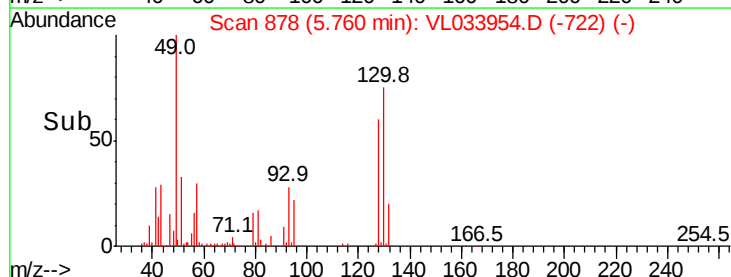
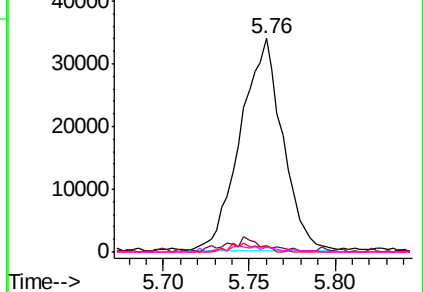


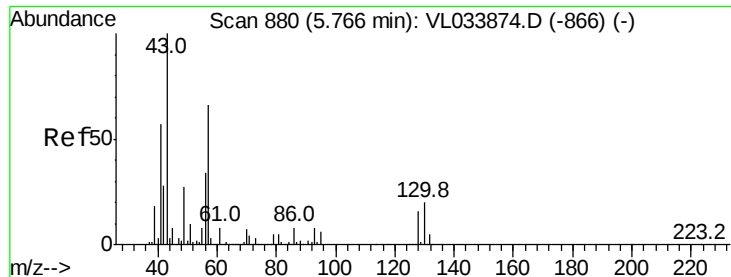
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

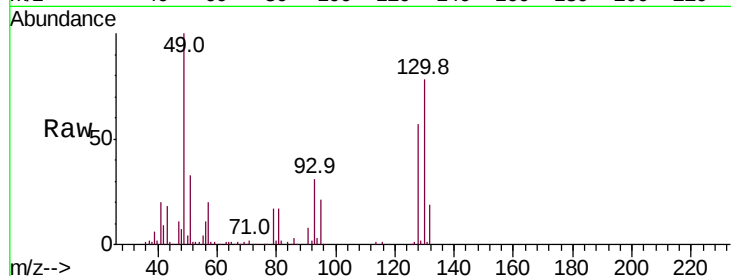




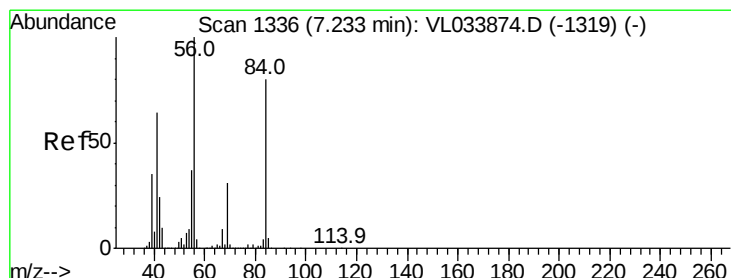
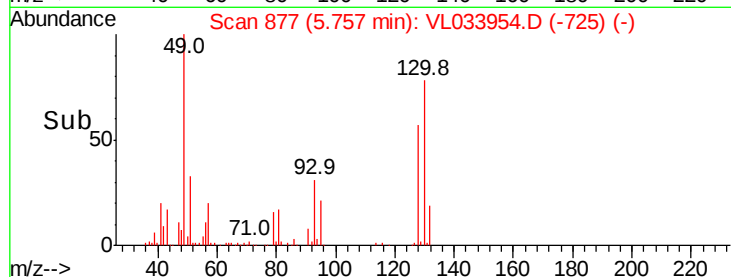
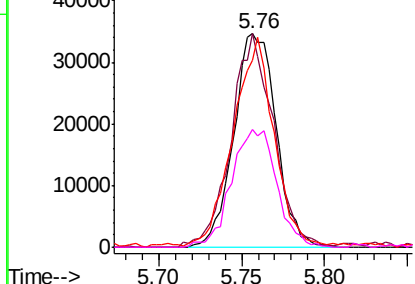
#26
Hexane
Concen: 0.633 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033954.D
Acq: 25 Jun 2019 2:35

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion: 57 Resp: 61545
Ion Ratio Lower Upper
57 100
41 102.2 71.4 107.2
43 98.0 183.7 275.5#
56 58.5 42.7 64.1

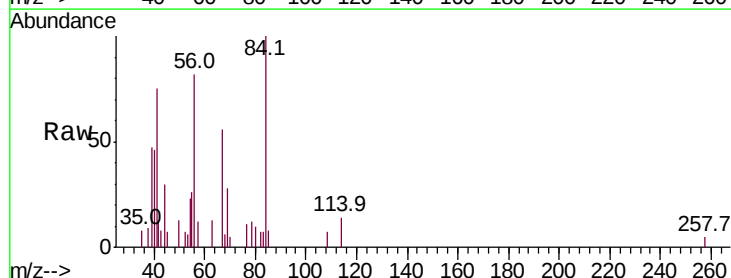


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

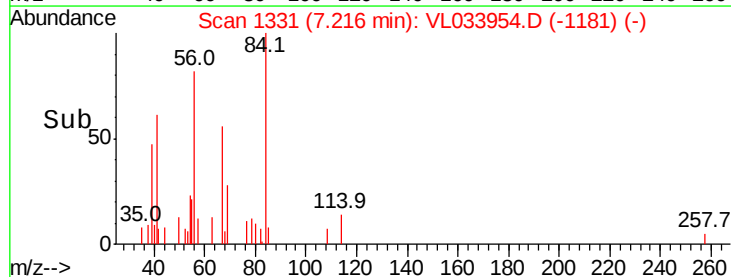
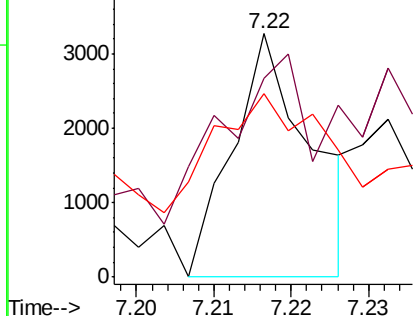


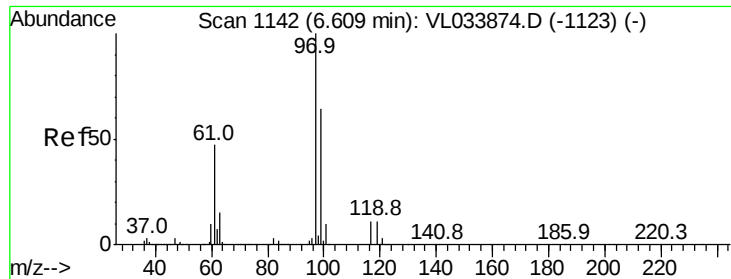
#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VL033954.D
Acq: 25 Jun 2019 2:35

Tgt Ion: 84 Resp: 2282
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 275.5 65.7 98.5#



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





#32

1,1,1-Trichloroethane

Concen: 0.646 ppbv

RT: 6.60 min Scan# 1138

Delta R.T. -0.01 min

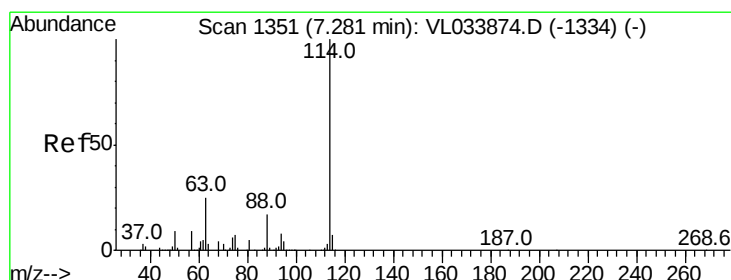
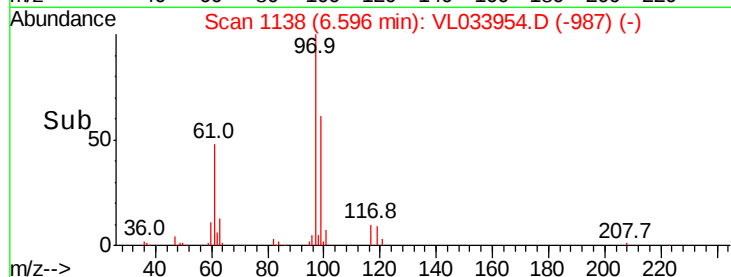
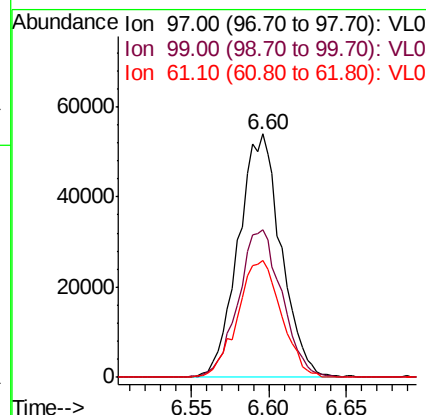
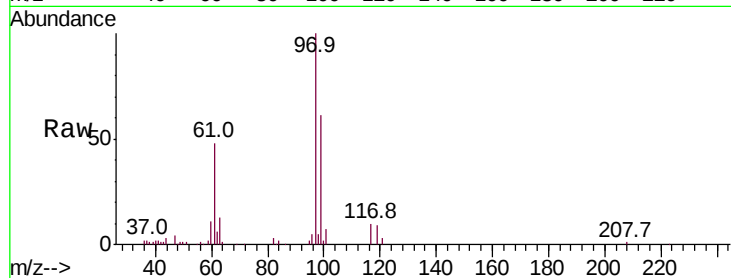
Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion: 97 Resp: 103707

Ion	Ratio	Lower	Upper
97	100		
99	61.7	51.7	77.5
61	49.1	37.7	56.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.26 min Scan# 1346

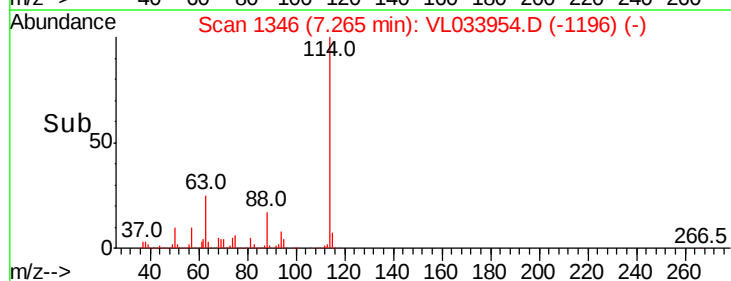
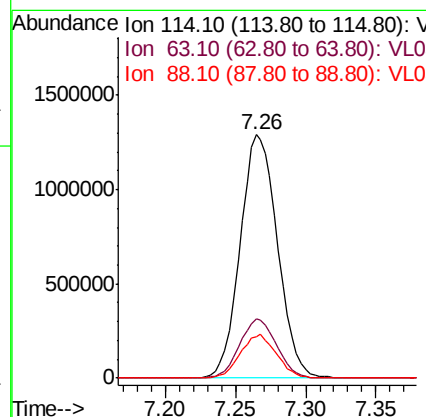
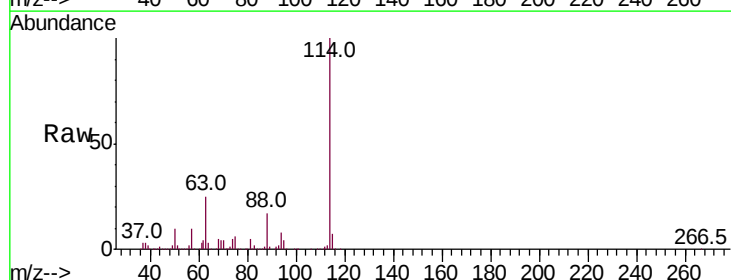
Delta R.T. -0.02 min

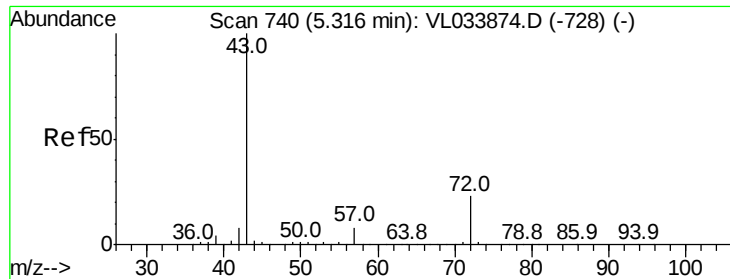
Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Tgt Ion: 114 Resp: 2393592

Ion	Ratio	Lower	Upper
114	100		
63	24.2	21.1	31.7
88	17.4	14.2	21.4





#34

2-Butanone

Concen: 0.988 ppbv

RT: 5.31 min Scan# 739

Delta R.T. -0.00 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

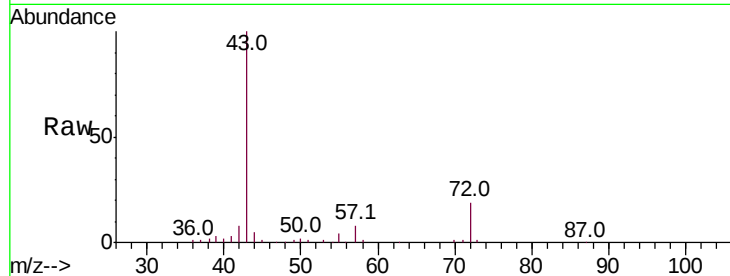
EFFLUENT

Tot Ion: 43 Resp: 133354

Ion Ratio Lower Upper

43 100

72 22.0 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

80000

60000

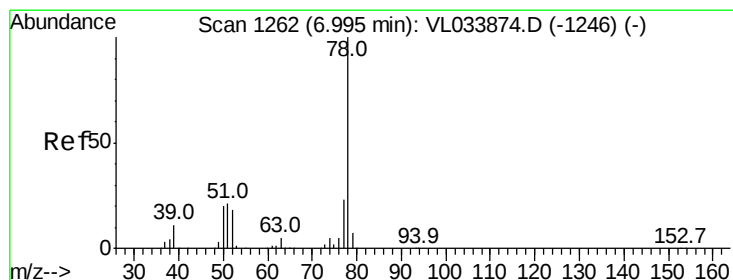
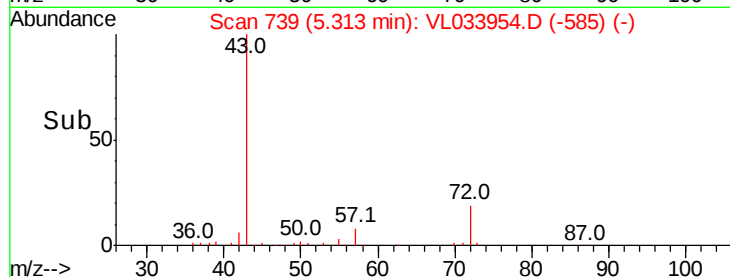
40000

20000

0

5.25 5.30 5.35

Time-->



#36

Benzene

Concen: 0.158 ppbv

RT: 6.98 min Scan# 1257

Delta R.T. -0.02 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

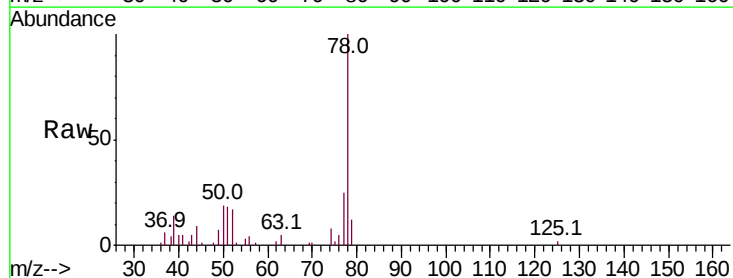
Tgt Ion: 78 Resp: 28876

Ion Ratio Lower Upper

78 100

77 25.0 18.2 27.2

50 18.2 15.9 23.9



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

20000

15000

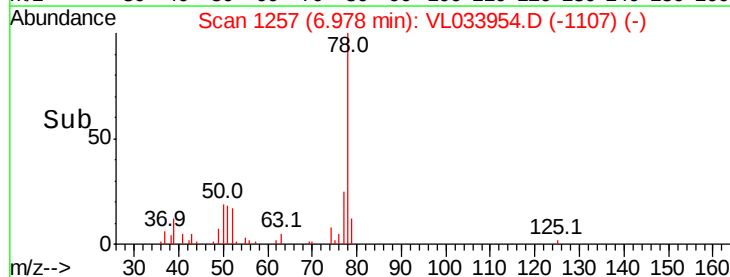
10000

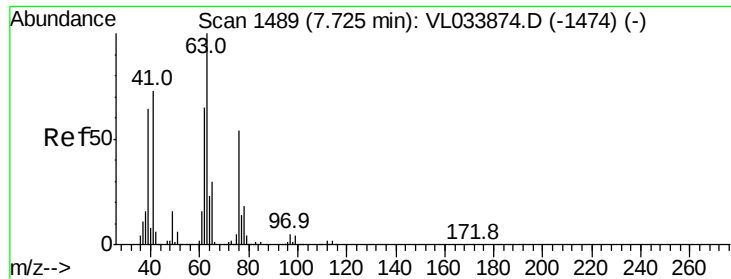
5000

0

6.95 7.00

Time-->





#39

1,2-Dichloropropane

Concen: 8.142 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. -0.46 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

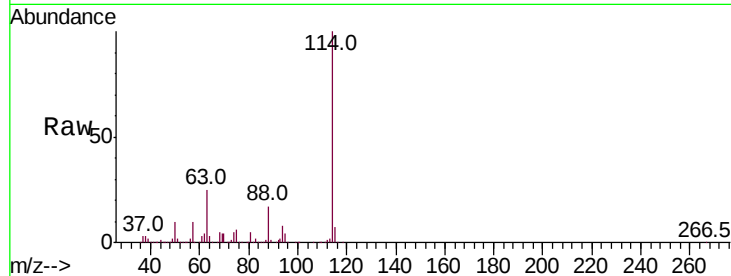
Tot Ion: 63 Resp: 574600

Ion Ratio Lower Upper

63 100

41 0.0 58.7 88.1#

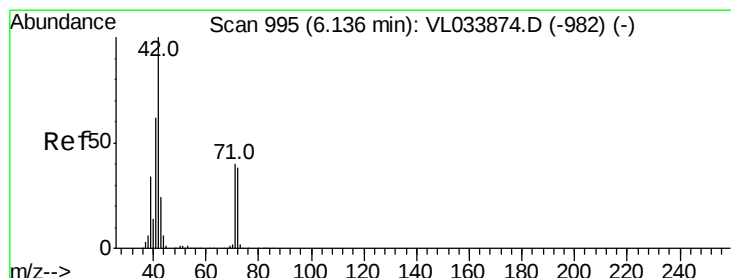
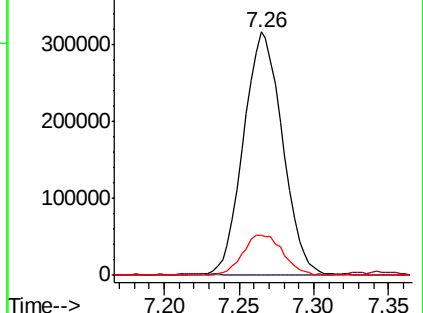
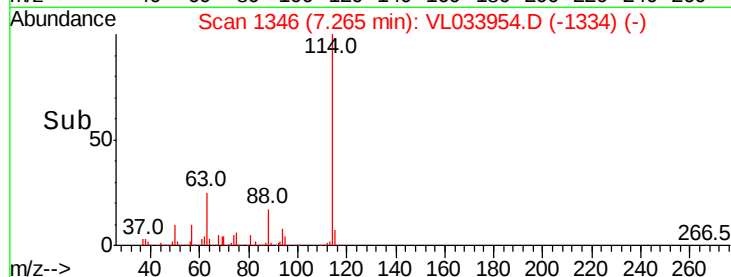
62 16.3 51.9 77.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.048 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.00 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

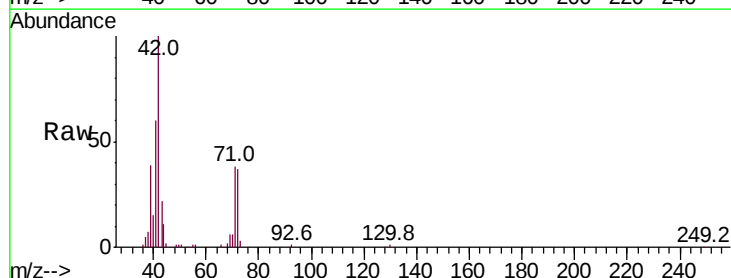
Tgt Ion: 42 Resp: 71859

Ion Ratio Lower Upper

42 100

72 40.9 32.2 48.4

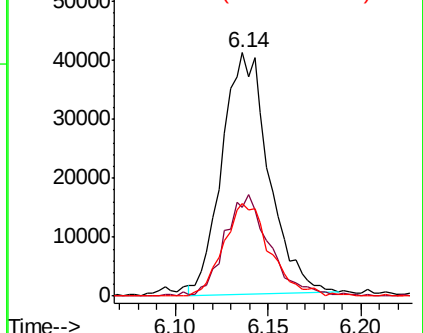
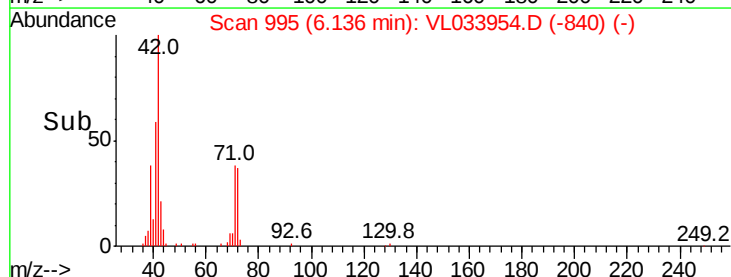
71 38.2 31.7 47.5

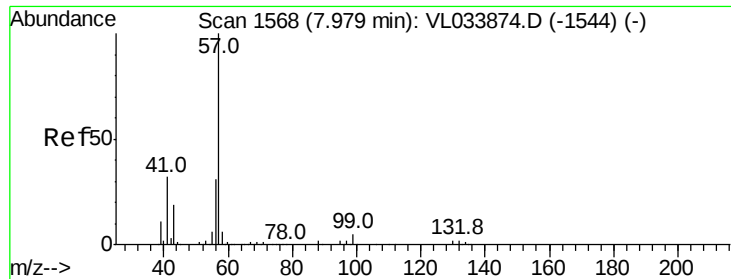


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.160 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

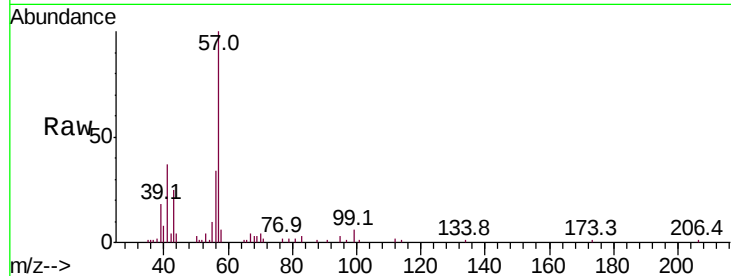
Tot Ion: 57 Resp: 52046

Ion Ratio Lower Upper

57 100

41 65.2 26.1 39.1#

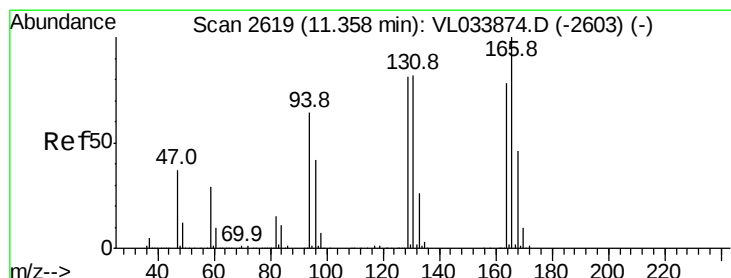
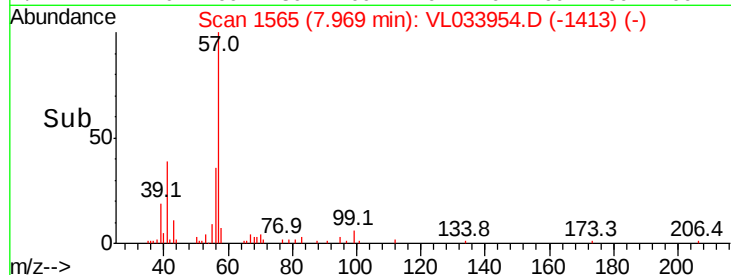
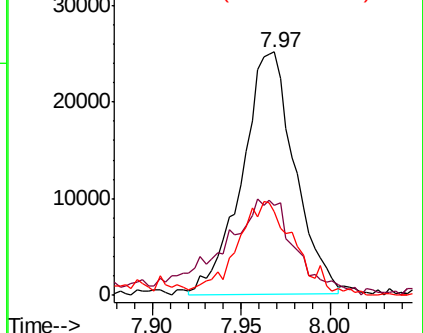
56 42.7 24.6 36.8#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 0.056 ppbv

RT: 11.34 min Scan# 2612

Delta R.T. -0.02 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Tgt Ion:164 Resp: 3606

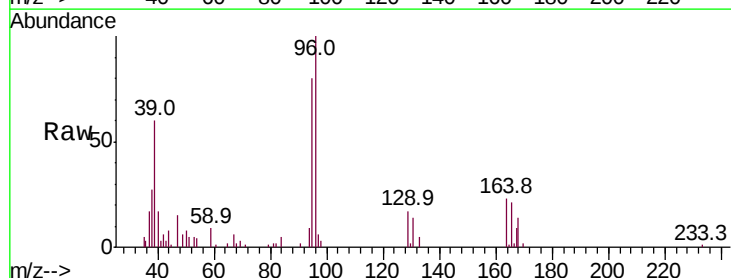
Ion Ratio Lower Upper

164 100

166 73.0 103.1 154.7#

129 56.3 83.9 125.9#

131 61.9 85.1 127.7#

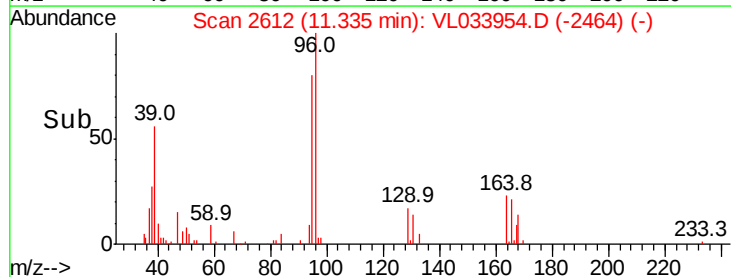
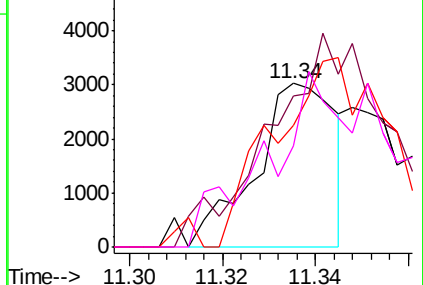


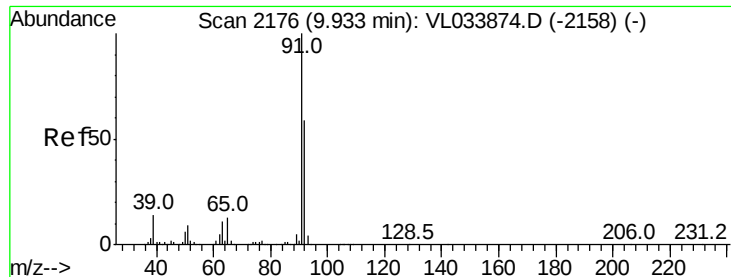
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.962 ppbv

RT: 9.92 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

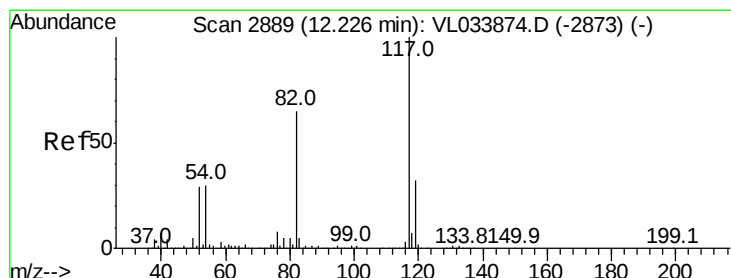
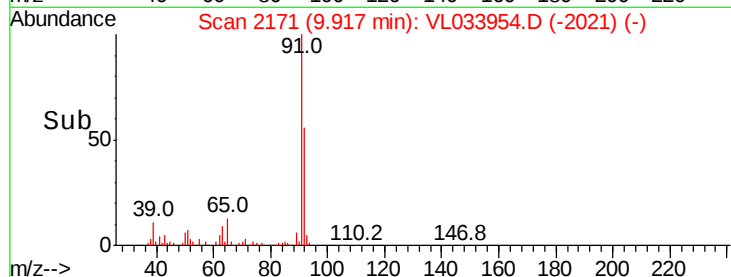
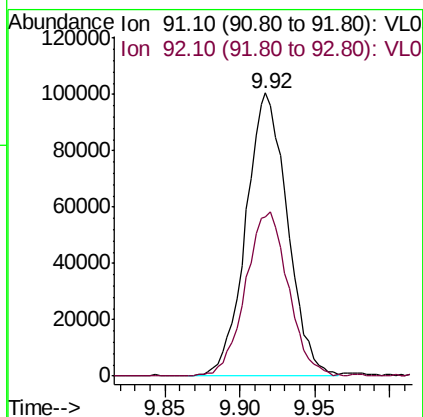
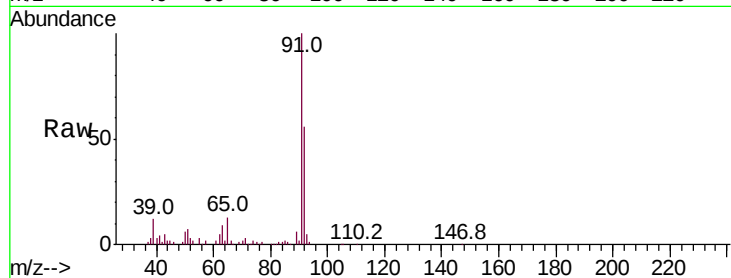
EFFLUENT

Tot Ion: 91 Resp: 194586

Ion Ratio Lower Upper

91 100

92 59.8 47.0 70.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

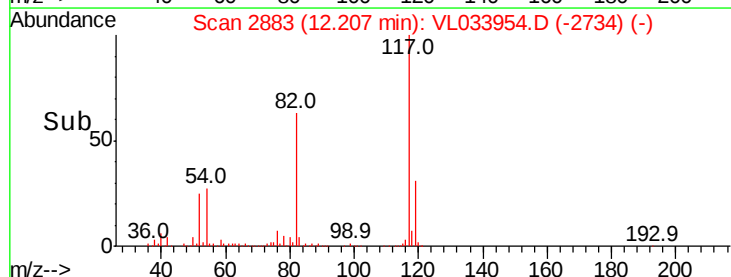
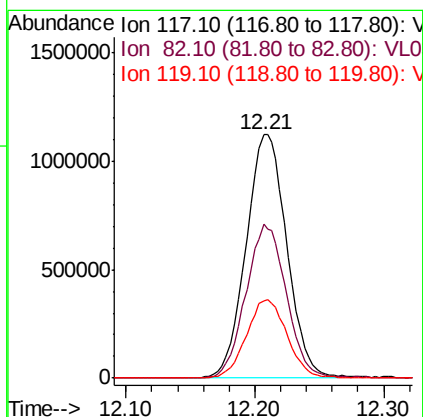
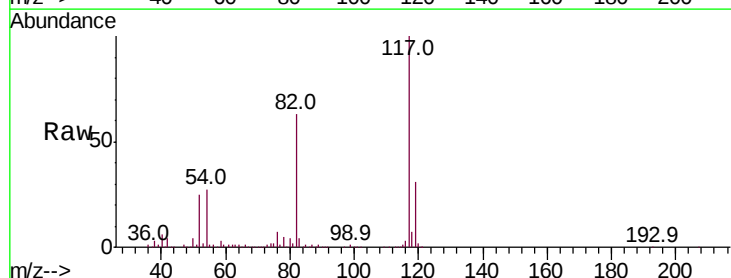
Tgt Ion: 117 Resp: 2467381

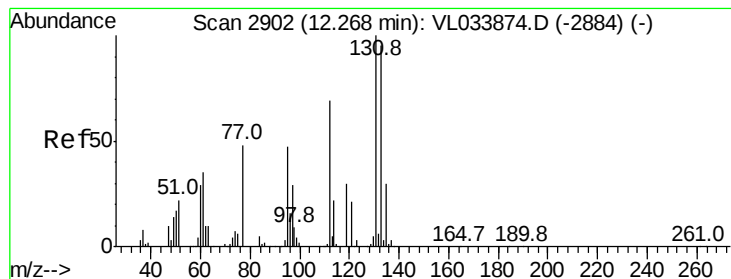
Ion Ratio Lower Upper

117 100

82 63.3 50.2 75.2

119 32.5 24.8 37.2





#56

1,1,1,2-Tetrachloroethane

Concen: 0.114 ppbv

RT: 11.81 min Scan# 2760

Delta R.T. -0.46 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

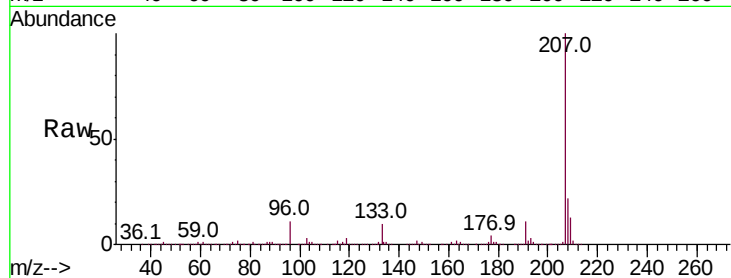
Tot Ion:131 Resp: 12307

Ion Ratio Lower Upper

131 100

133 0.0 76.5 114.7#

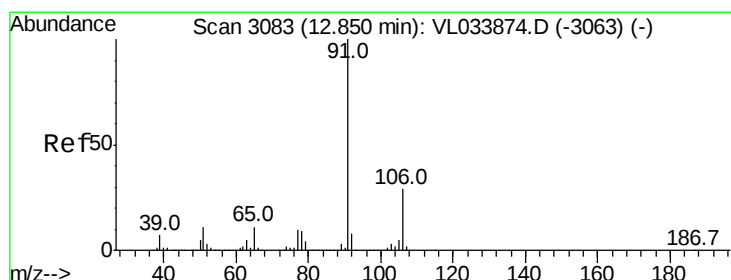
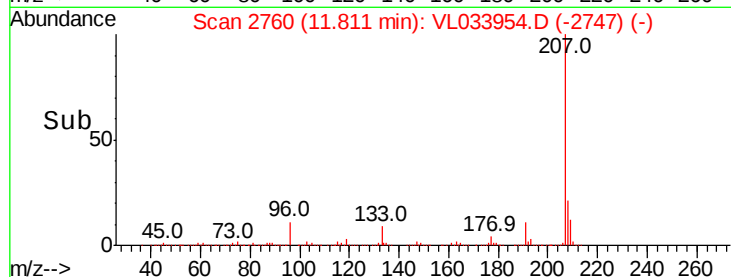
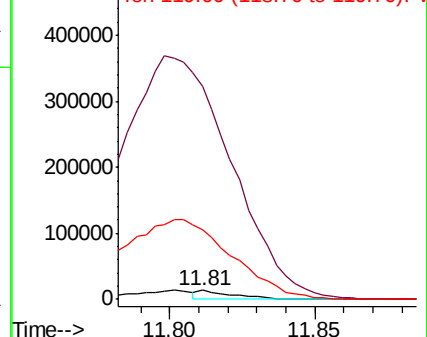
119 0.0 42.6 64.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#58

Ethyl Benzene

Concen: 0.072 ppbv

RT: 12.83 min Scan# 3077

Delta R.T. -0.02 min

Lab File: VL033954.D

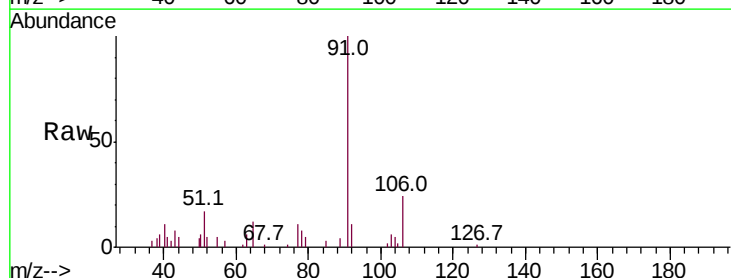
Acq: 25 Jun 2019 2:35

Tgt Ion: 91 Resp: 20140

Ion Ratio Lower Upper

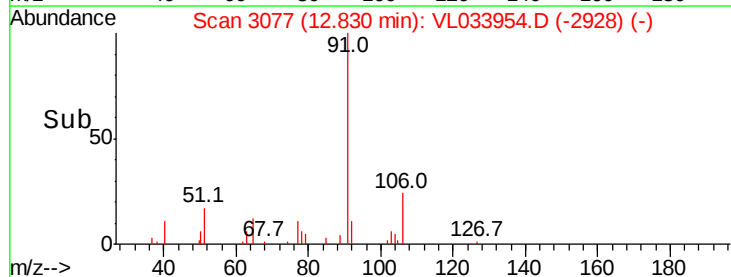
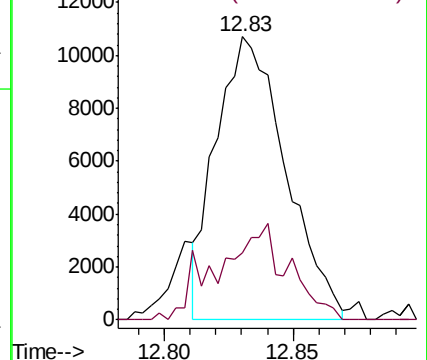
91 100

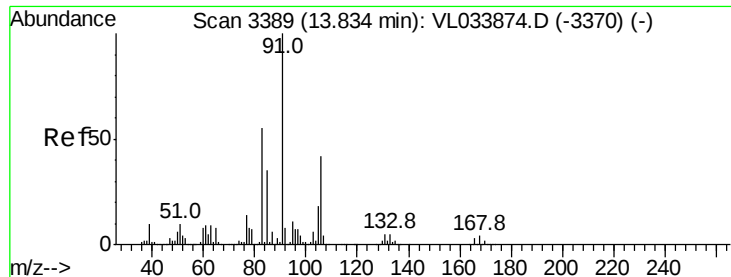
106 24.7 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.061 ppbv

RT: 13.81 min Scan# 3382

Delta R.T. -0.02 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

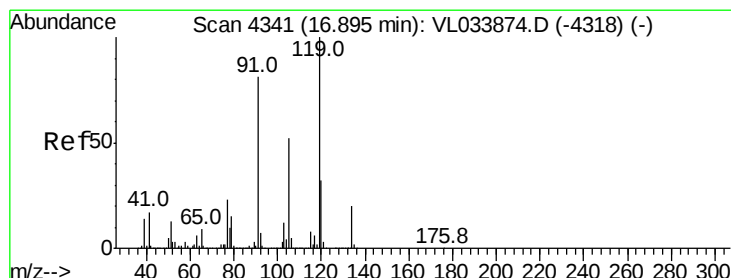
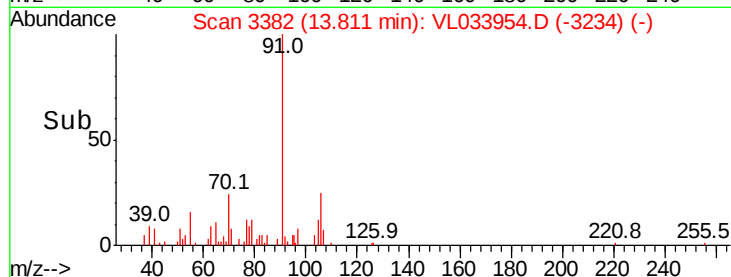
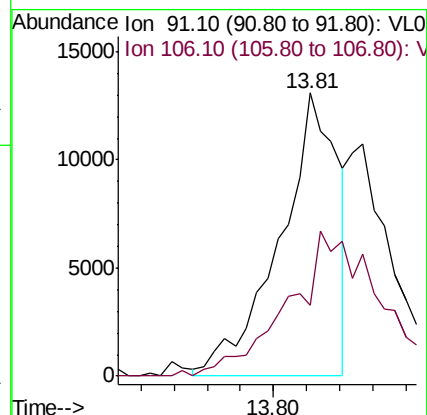
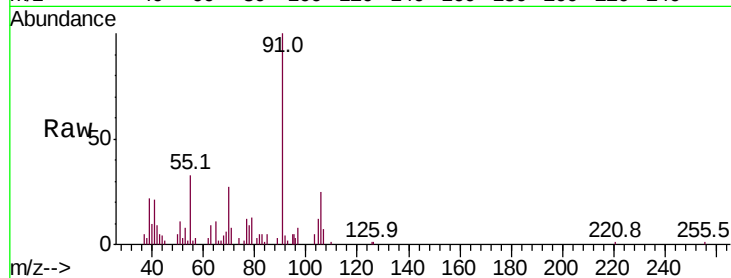
EFFLUENT

Tot Ion: 91 Resp: 15976

Ion Ratio Lower Upper

91 100

106 80.1 21.7 65.1#



#65

tert-Butylbenzene

Concen: 0.555 ppbv

RT: 17.10 min Scan# 4405

Delta R.T. 0.21 min

Lab File: VL033954.D

Acq: 25 Jun 2019 2:35

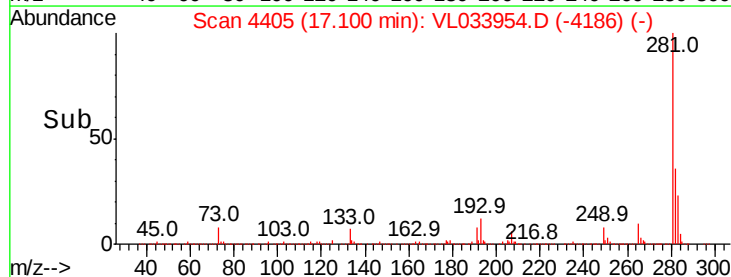
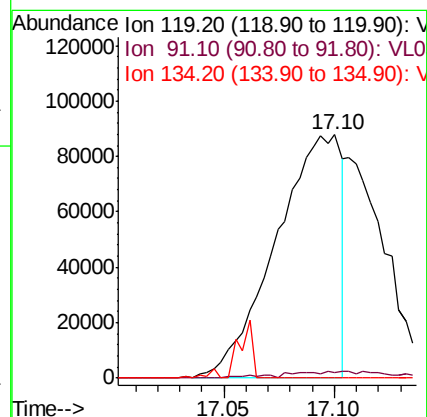
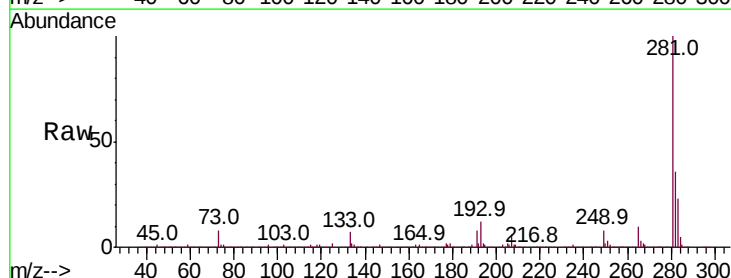
Tgt Ion: 119 Resp: 180675

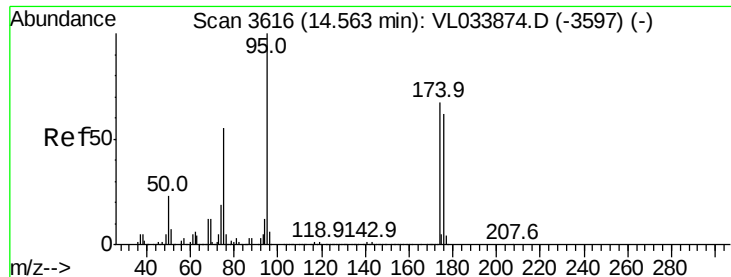
Ion Ratio Lower Upper

119 100

91 0.1 66.6 100.0#

134 5.4 15.5 23.3#

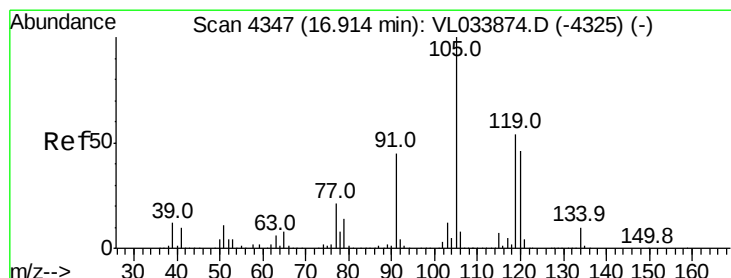
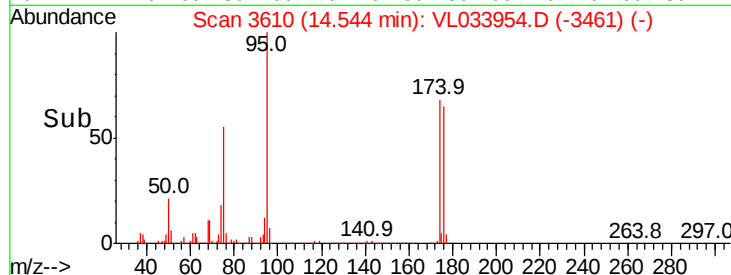
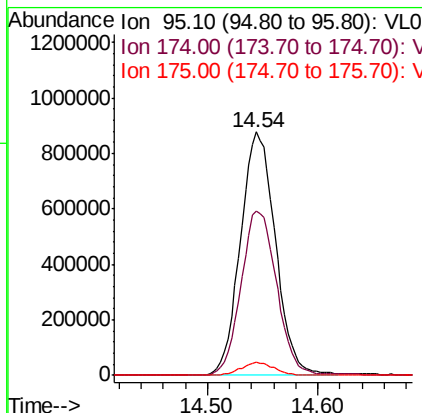
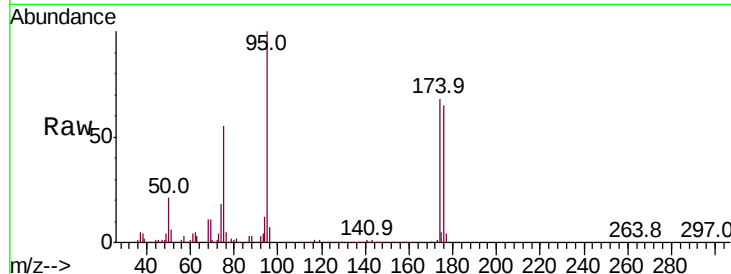




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.521 ppbv
 RT: 14.54 min Scan# 3610
 Delta R.T. -0.02 min
 Lab File: VL033954.D
 Acq: 25 Jun 2019 2:35

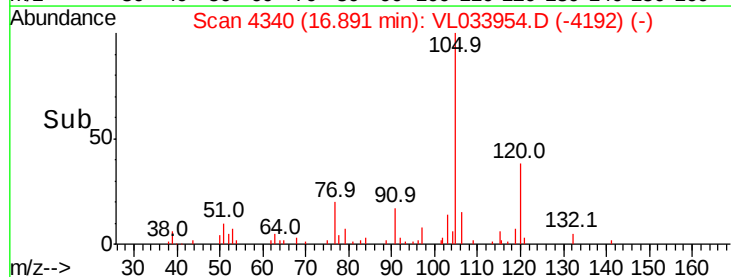
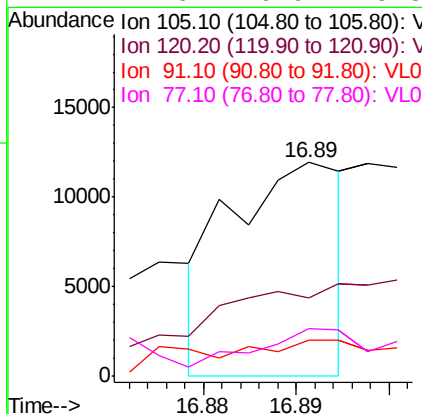
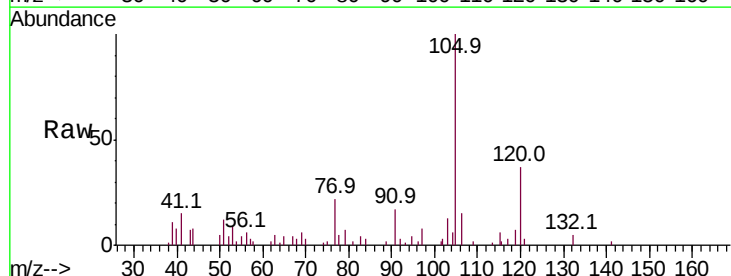
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

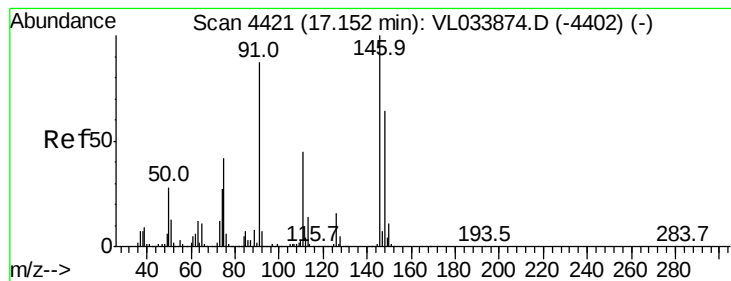
Tot Ion: 95 Resp: 1929671
 Ion Ratio Lower Upper
 95 100
 174 69.7 54.0 81.0
 175 5.0 3.8 5.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.030 ppbv
 RT: 16.89 min Scan# 4340
 Delta R.T. -0.02 min
 Lab File: VL033954.D
 Acq: 25 Jun 2019 2:35

Tgt Ion: 105 Resp: 10166
 Ion Ratio Lower Upper
 105 100
 120 38.1 36.7 55.1
 91 8.2 35.8 53.8#
 77 41.6 16.9 25.3#





#75

1,3-Dichlorobenzene

Concen: 0.274 ppbv

RT: 17.14 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL033954.D

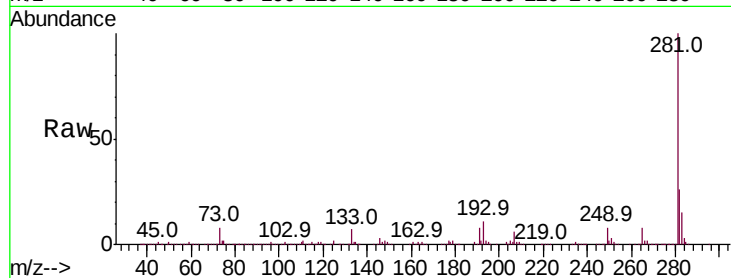
Acq: 25 Jun 2019 2:35

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT



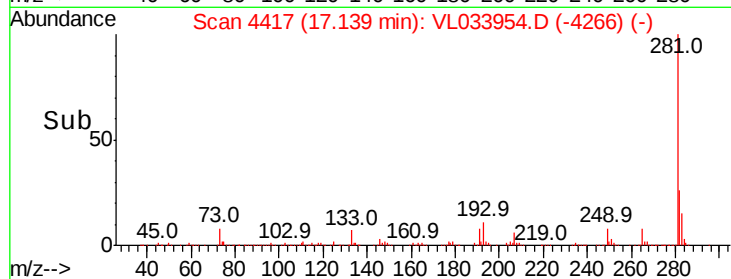
Tot Ion:146 Resp: 57904

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.3#

148 114.1 32.2 96.6#



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

