

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032250.D
 Acq On : 13 Jul 2018 18:02
 Operator : SY/AP
 Sample : J3753-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
 APPROVED

apatel
 7/16/2018 8:08:18 AM

Quant Time: Jul 14 03:33:48 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 18:02:14 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	1726429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3803726	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4308646	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3354632	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1,2-Trichlorotrifluoroet	4.62	101	24533m	0.162	ppbv	
13) Ethanol	3.71	45	1310129	50.187	ppbv	98
15) Acetone	3.97	43	745367	3.721	ppbv	100
17) tert-Butyl alcohol	4.44	59	88173	0.943	ppbv	95
18) 1,1-Dichloroethene	4.42	96	8803m	0.125	ppbv	
19) Isopropyl Alcohol	4.10	45	622005	4.728	ppbv #	98
20) Methylene Chloride	4.48	84	115940	1.708	ppbv	98
24) 1,1-Dichloroethane	5.16	63	310457	1.327	ppbv	98
26) Hexane	5.86	57	92084	0.509	ppbv #	49
32) 1,1,1-Trichloroethane	6.70	97	1429854	5.278	ppbv	99
34) 2-Butanone	5.41	43	124212	0.479	ppbv	97
44) 2,2,4-Trimethylpentane	8.08	57	104199	0.160	ppbv #	85
53) Toluene	10.04	91	140434	0.314	ppbv	98
69) p-Isopropyltoluene	17.91	119	143251	0.210	ppbv	96

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

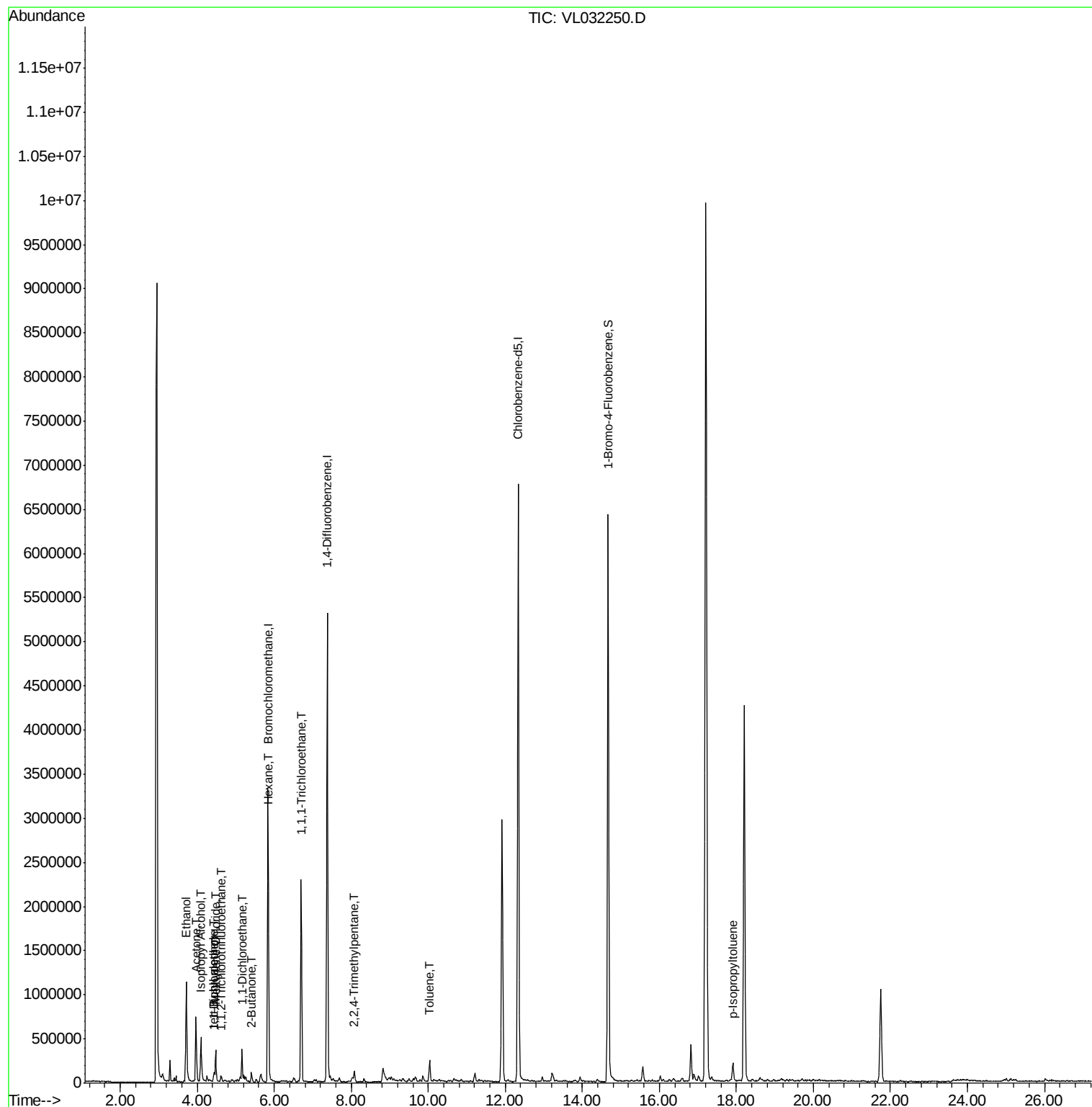
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
Data File : VL032250.D
Acq On : 13 Jul 2018 18:02
Operator : SY/AP
Sample : J3753-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

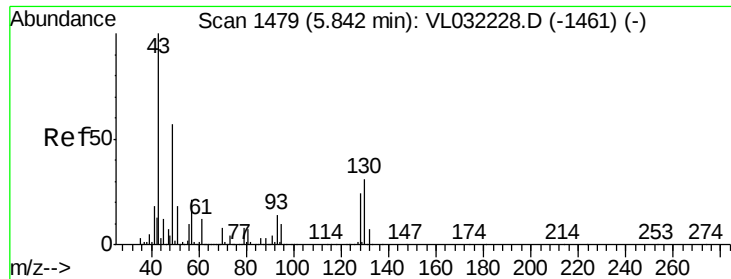
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Manual Integrations
APPROVED

apatel
7/16/2018 8:08:18 AM

Quant Time: Jul 14 03:33:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tgt Ion: 49 Resp: 1726429

Ion Ratio Lower Upper

49 100

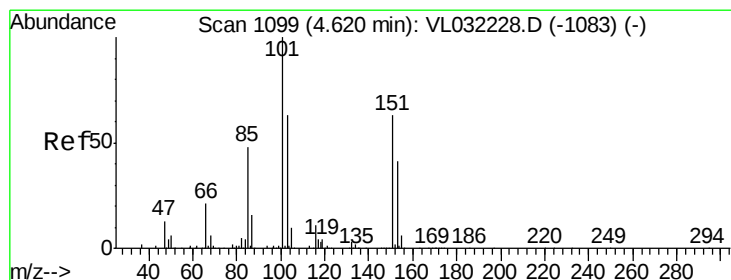
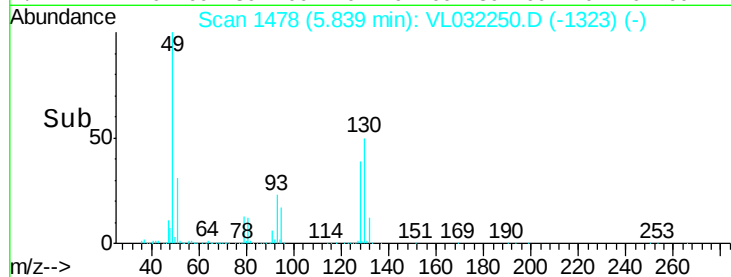
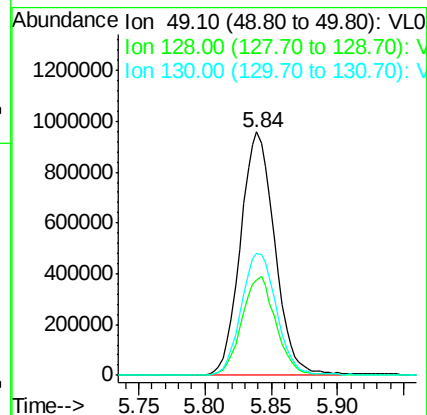
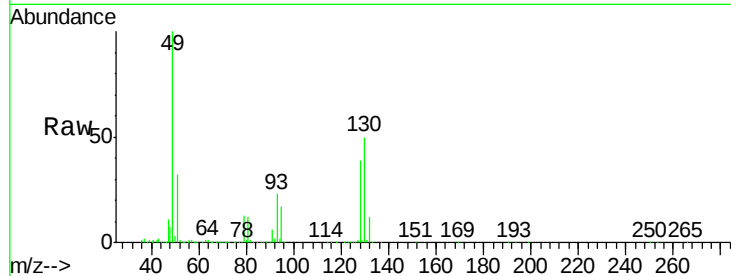
128 40.5 20.9 62.8

130 51.8 27.0 81.0

Manual Integrations
APPROVED

apatel

7/16/2018 8:08:18 AM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.162 ppbv m

RT: 4.62 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL032250.D

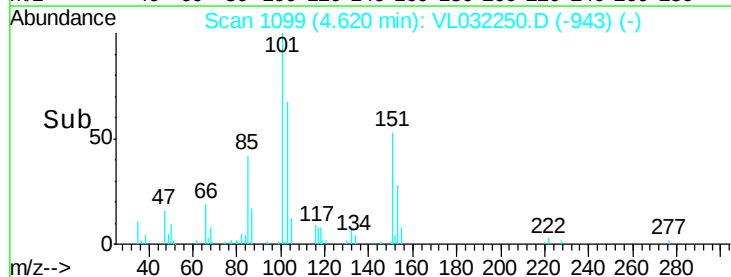
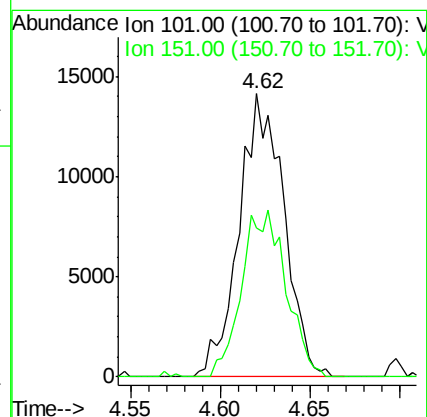
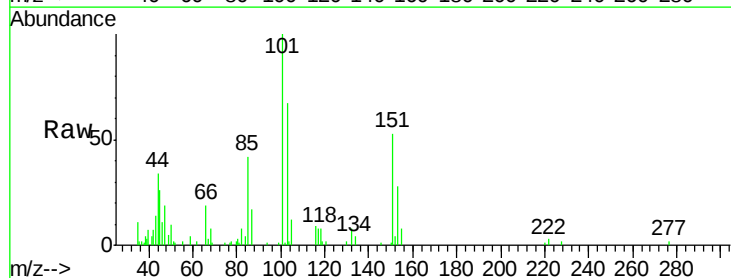
Acq: 13 Jul 2018 18:02

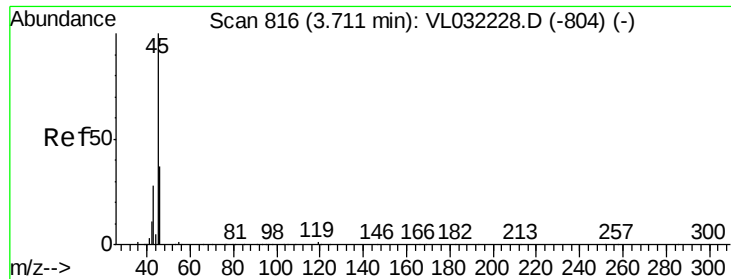
Tgt Ion: 101 Resp: 24533

Ion Ratio Lower Upper

101 100

151 58.2 52.2 78.2





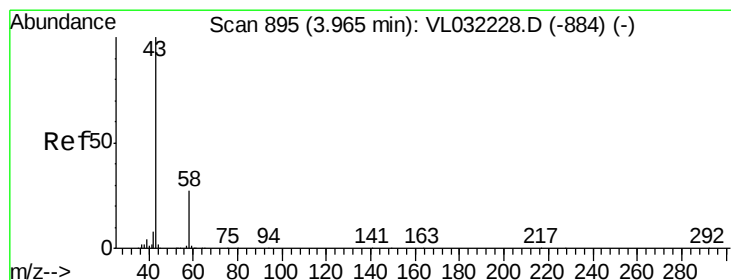
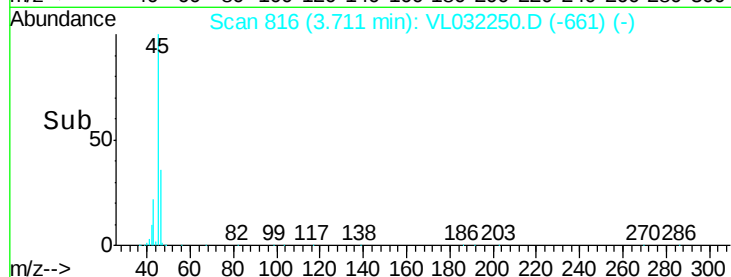
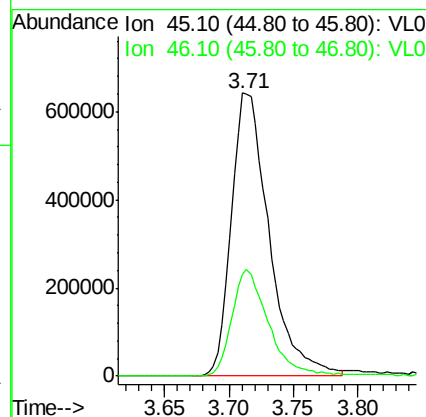
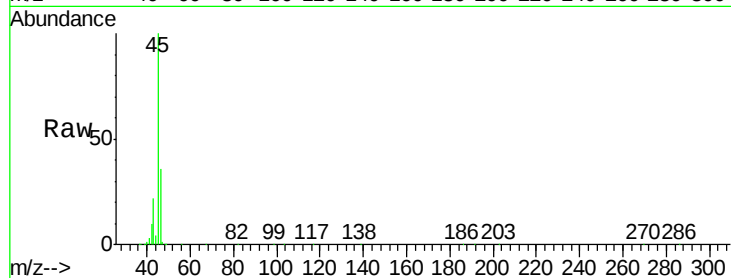
#13
Ethanol
Concen: 50.187 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.00 min
Lab File: VL032250.D
Acq: 13 Jul 2018 18:02

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tgt Ion: 45 Resp: 1310129
Ion Ratio Lower Upper
45 100
46 37.4 15.5 61.9

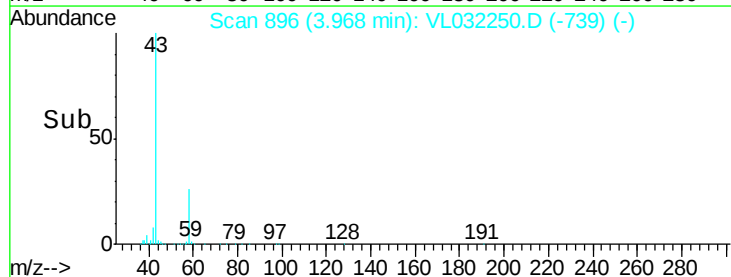
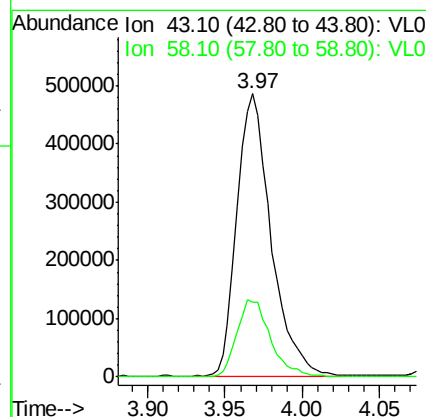
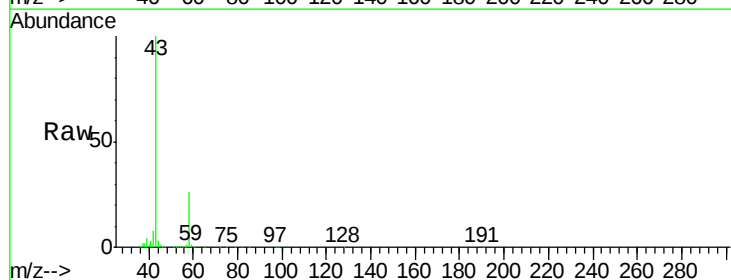
Manual Integrations
APPROVED

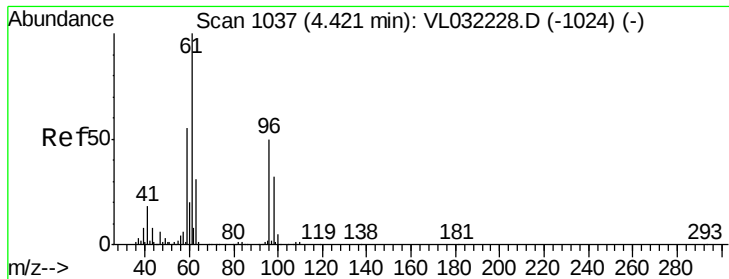
apatel
7/16/2018 8:08:18 AM



#15
Acetone
Concen: 3.721 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL032250.D
Acq: 13 Jul 2018 18:02

Tgt Ion: 43 Resp: 745367
Ion Ratio Lower Upper
43 100
58 27.1 21.5 32.3





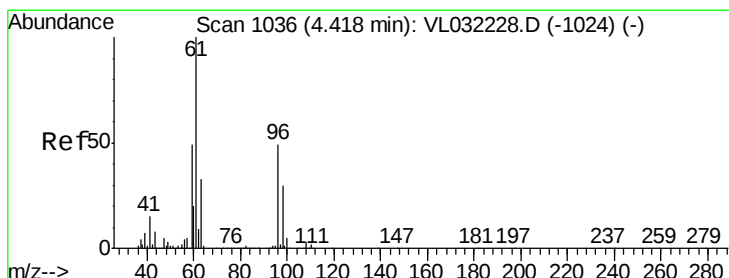
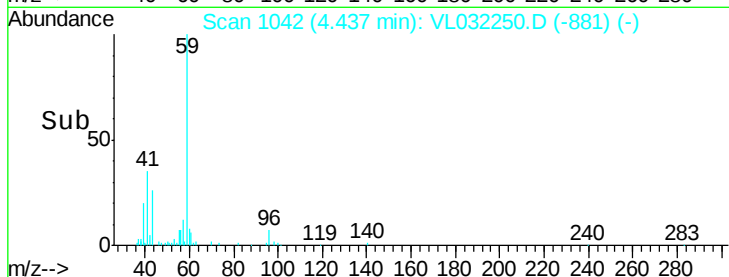
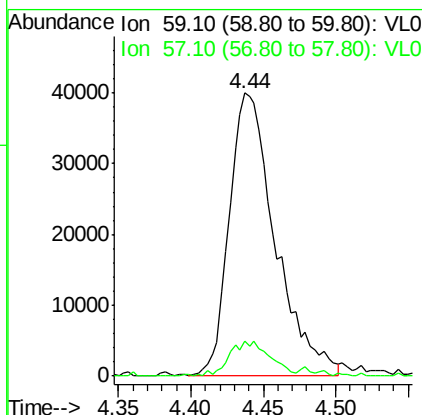
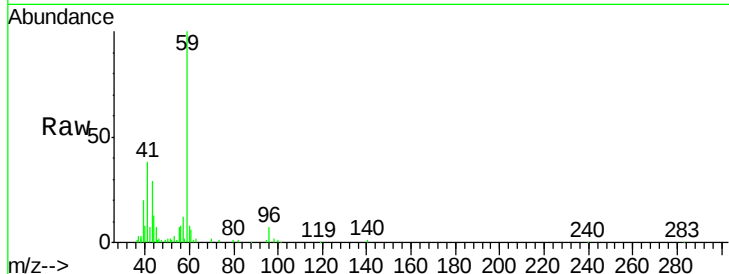
#17
 tert-Butyl alcohol
 Concen: 0.943 ppbv
 RT: 4.44 min Scan# 1042
 Delta R.T. 0.02 min
 Lab File: VL032250.D
 Acq: 13 Jul 2018 18:02

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Tgt Ion: 59 Resp: 88173
 Ion Ratio Lower Upper
 59 100
 57 12.3 8.4 12.6

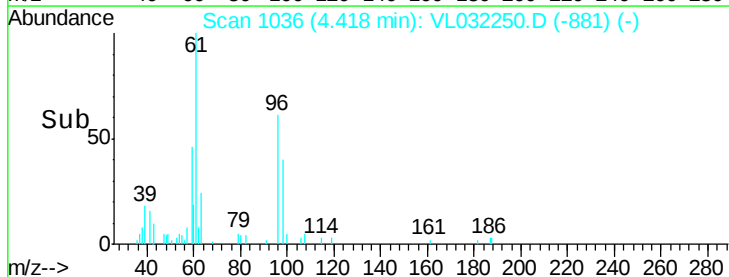
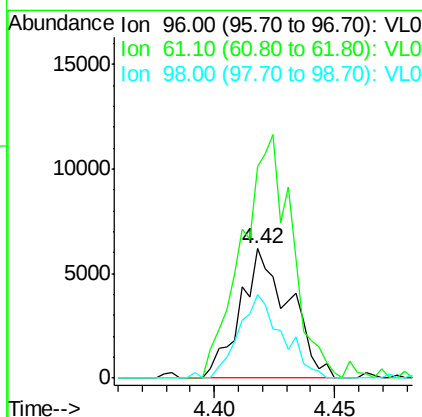
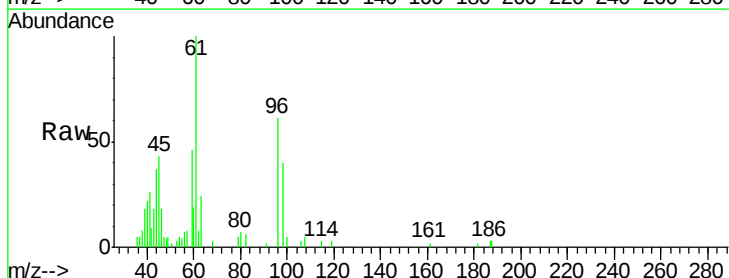
Manual Integrations
 APPROVED

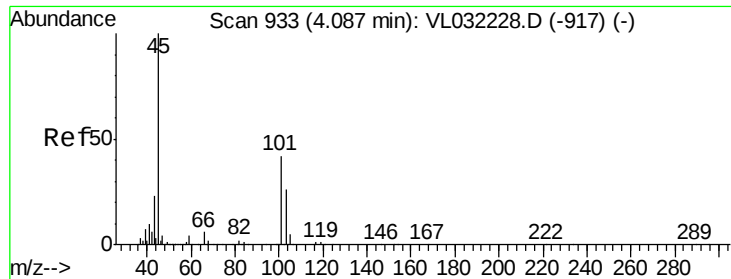
apatel
 7/16/2018 8:08:18 AM



#18
 1,1-Dichloroethene
 Concen: 0.125 ppbv m
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032250.D
 Acq: 13 Jul 2018 18:02

Tgt Ion: 96 Resp: 8803
 Ion Ratio Lower Upper
 96 100
 61 163.4 163.0 244.4
 98 64.6 48.5 72.7





#19

Isopropyl Alcohol

Concen: 4.728 ppbv

RT: 4.10 min Scan# 936

Delta R.T. 0.01 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tgt Ion: 45 Resp: 622005

Ion Ratio Lower Upper

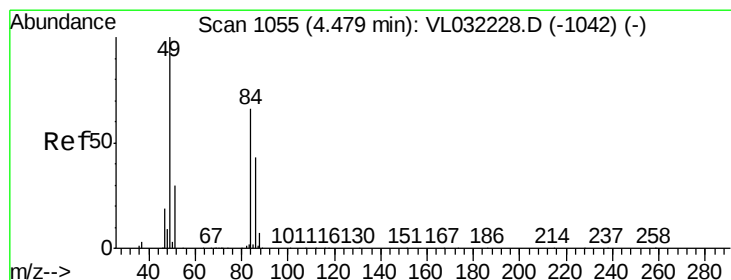
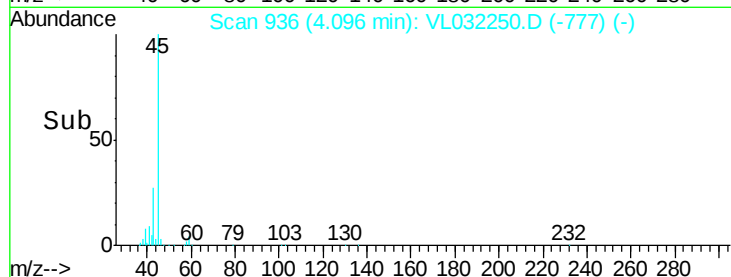
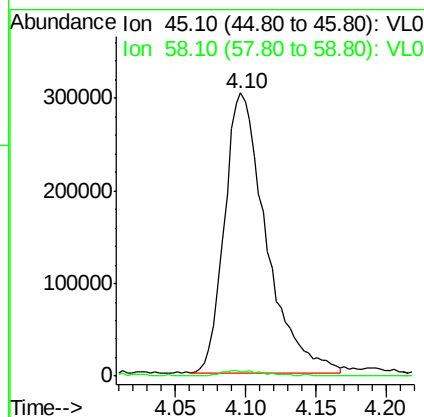
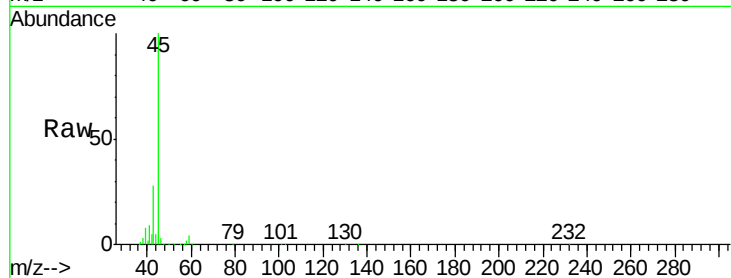
45 100

58 2.4 1.3 1.9#

Manual Integrations
APPROVED

apatel

7/16/2018 8:08:18 AM



#20

Methylene Chloride

Concen: 1.708 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

Tgt Ion: 84 Resp: 115940

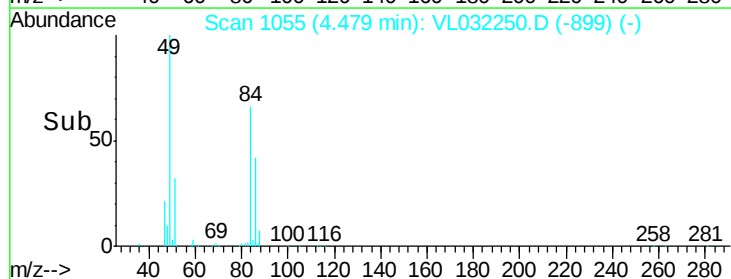
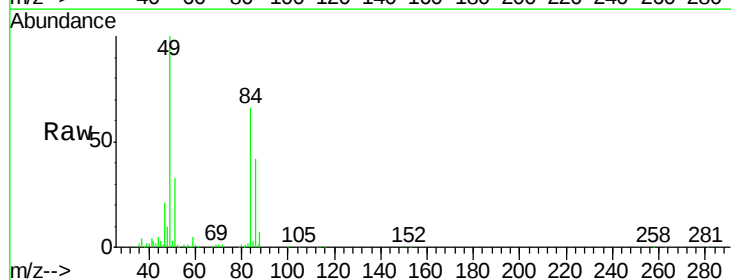
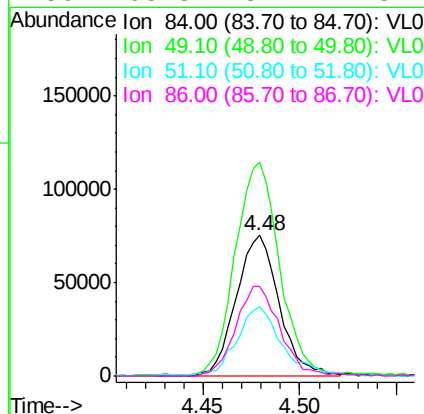
Ion Ratio Lower Upper

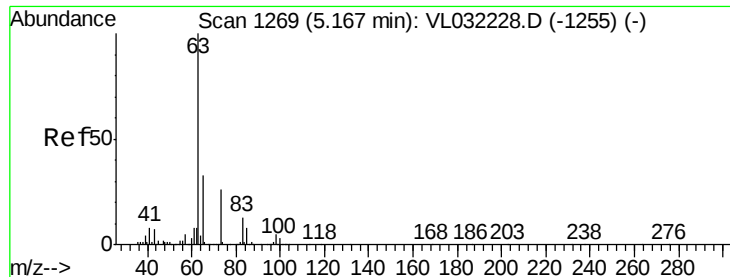
84 100

49 151.1 121.8 182.6

51 48.3 36.3 54.5

86 63.8 52.1 78.1





#24

1,1-Dichloroethane

Concen: 1.327 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

Instrument :

MSVOA_L

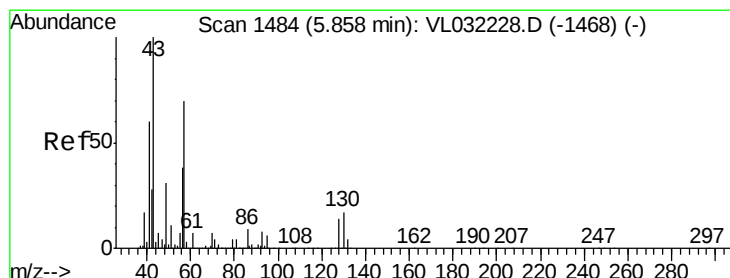
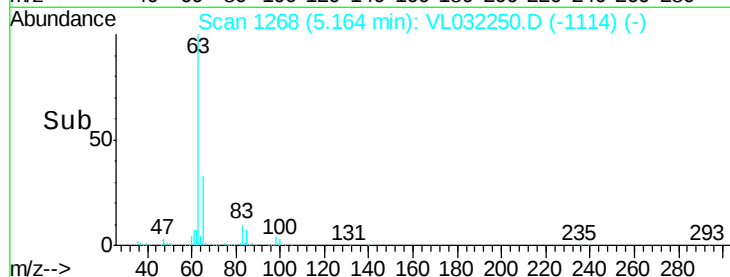
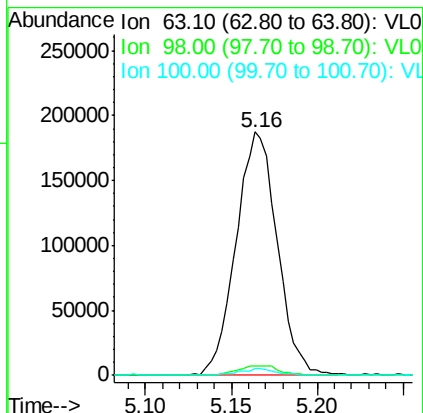
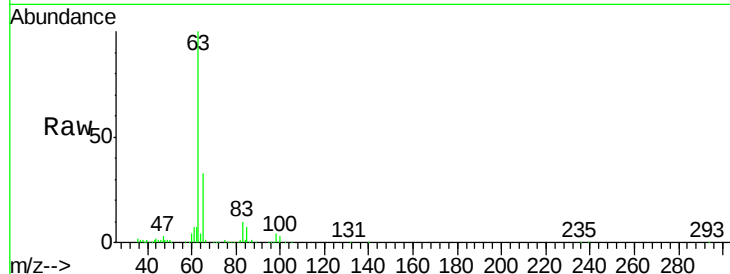
ClientSampleId :

EFFLUENTDL

Tgt Ion:	63	Resp:	310457
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.4	7.1
100	2.7	1.5	4.4

Manual Integrations
APPROVED

apatel
7/16/2018 8:08:18 AM



#26

Hexane

Concen: 0.509 ppbv

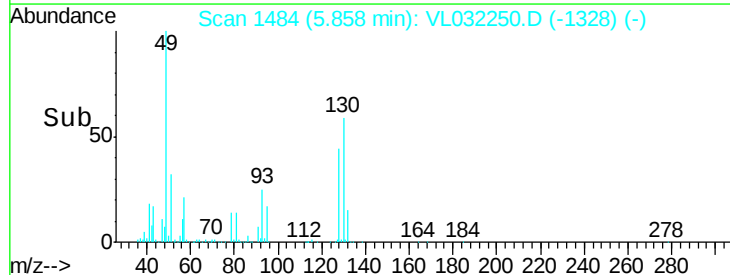
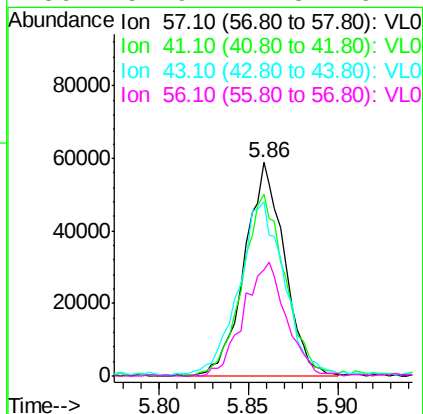
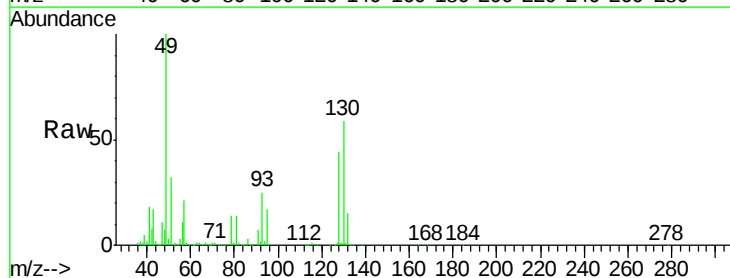
RT: 5.86 min Scan# 1484

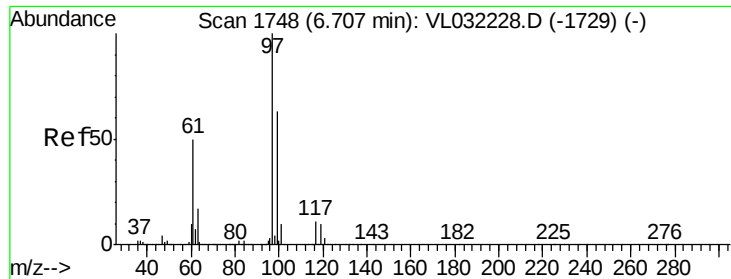
Delta R.T. -0.00 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

Tgt Ion:	57	Resp:	92084
Ion	Ratio	Lower	Upper
57	100		
41	91.6	68.7	103.1
43	92.4	176.2	264.2#
56	57.9	42.8	64.2





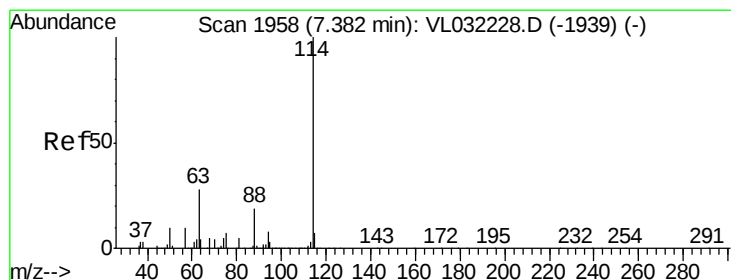
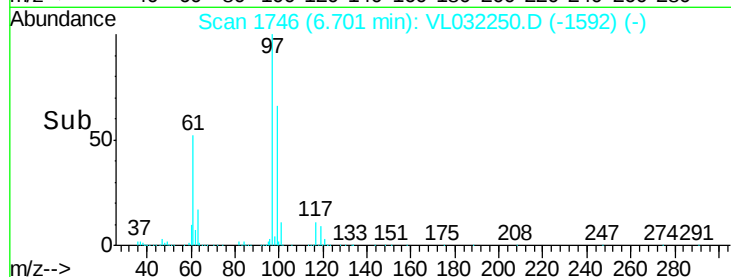
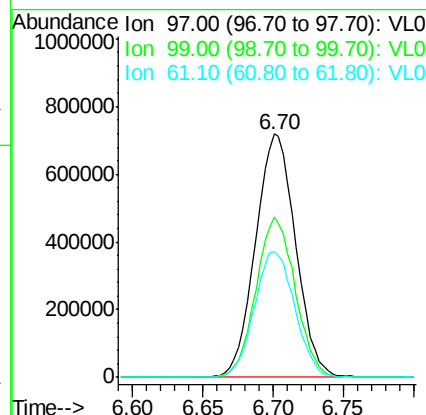
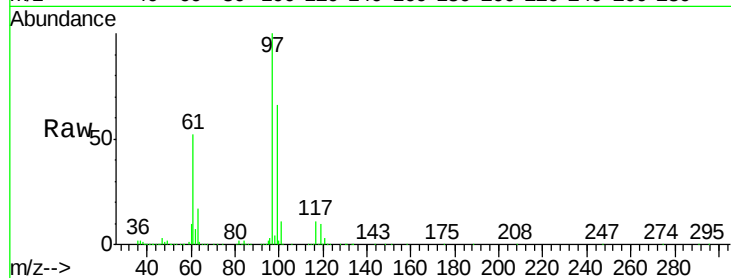
#32
 1,1,1-Trichloroethane
 Concen: 5.278 ppbv
 RT: 6.70 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: VL032250.D
 Acq: 13 Jul 2018 18:02

Instrument :
 MSVOA_L
 ClientSampleID :
 EFFLUENTDL

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	52.1	41.3	61.9

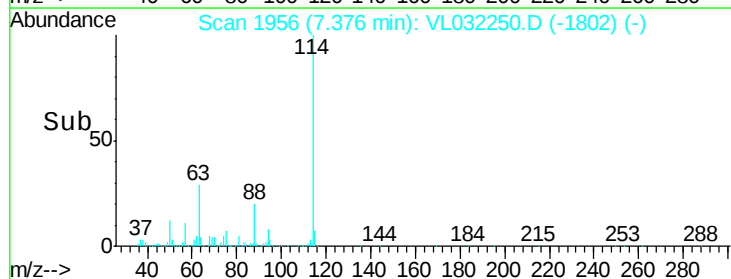
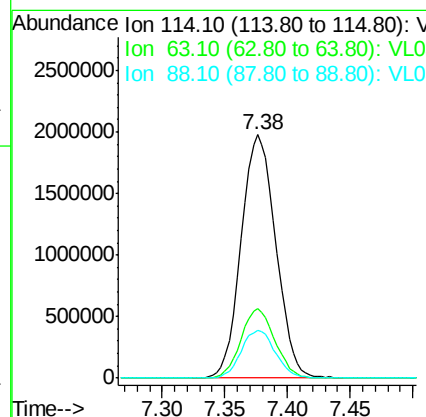
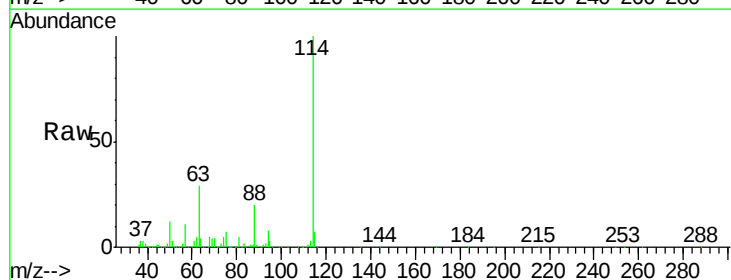
Manual Integrations
 APPROVED

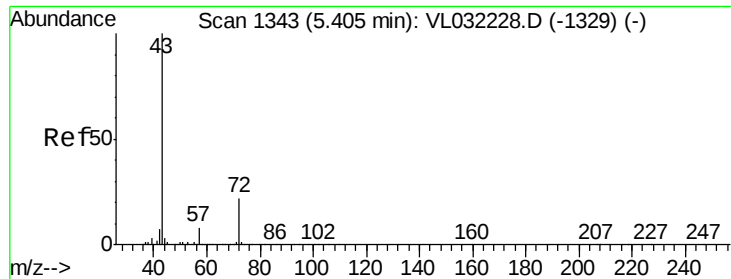
apatel
 7/16/2018 8:08:18 AM



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: VL032250.D
 Acq: 13 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.5	33.7
88	19.5	15.4	23.0





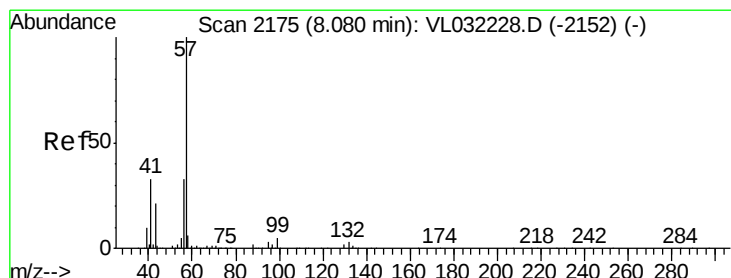
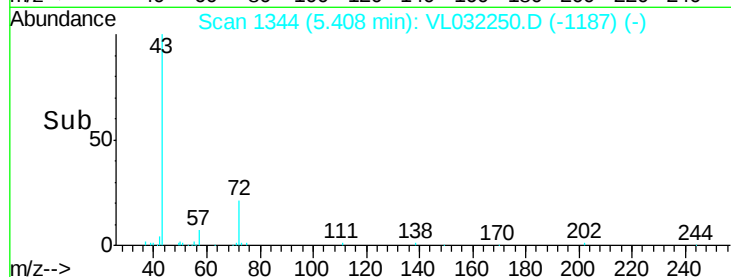
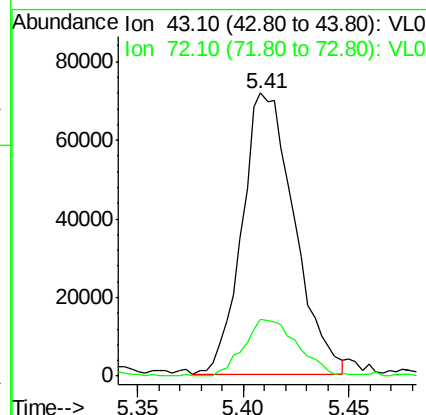
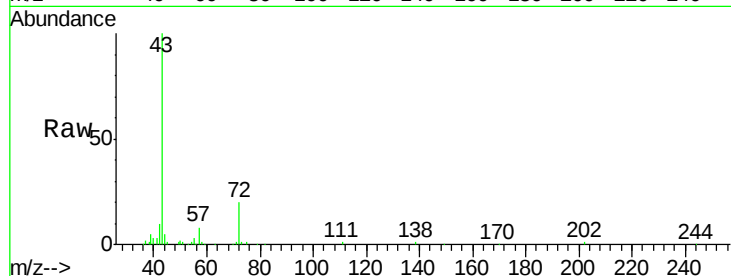
#34
2-Butanone
Concen: 0.479 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032250.D
Acq: 13 Jul 2018 18:02

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tgt Ion: 43 Resp: 124212
Ion Ratio Lower Upper
43 100
72 21.1 18.1 27.1

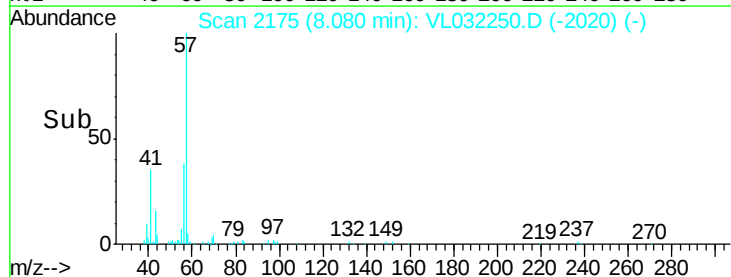
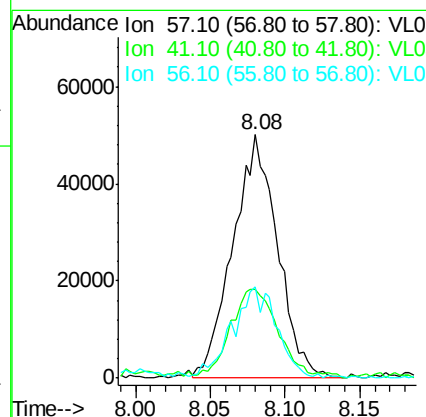
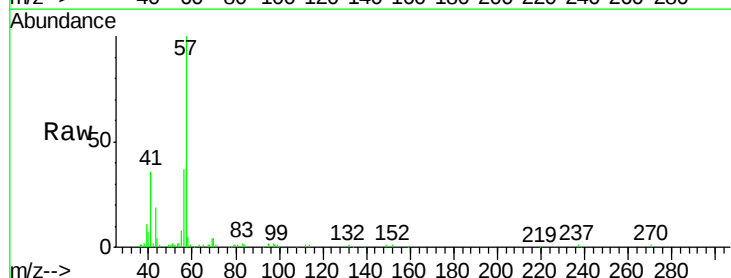
Manual Integrations
APPROVED

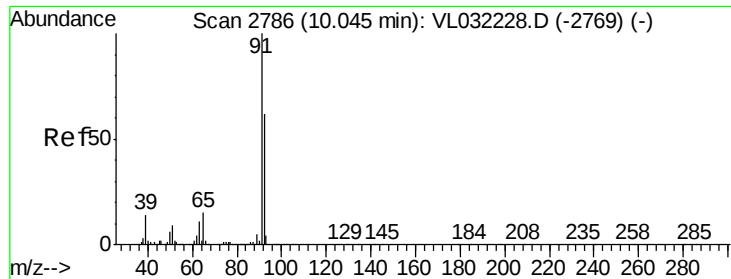
apatel
7/16/2018 8:08:18 AM



#44
2,2,4-Trimethylpentane
Concen: 0.160 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032250.D
Acq: 13 Jul 2018 18:02

Tgt Ion: 57 Resp: 104199
Ion Ratio Lower Upper
57 100
41 40.8 24.7 37.1#
56 38.4 25.4 38.0#





#53

Toluene

Concen: 0.314 ppbv

RT: 10.04 min Scan# 2784

Delta R.T. -0.01 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tgt Ion: 91 Resp: 140434

Ion Ratio Lower Upper

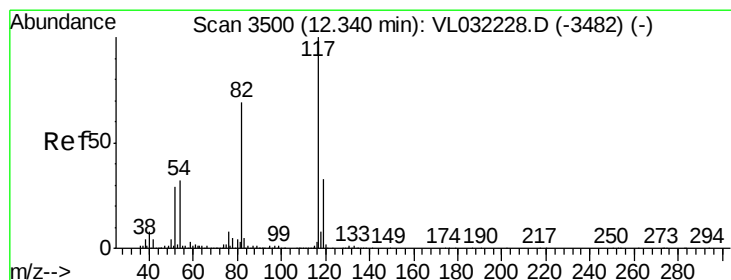
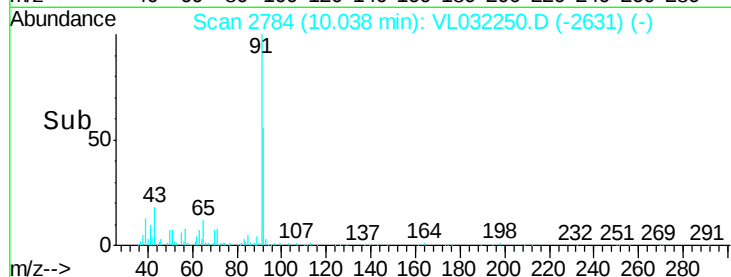
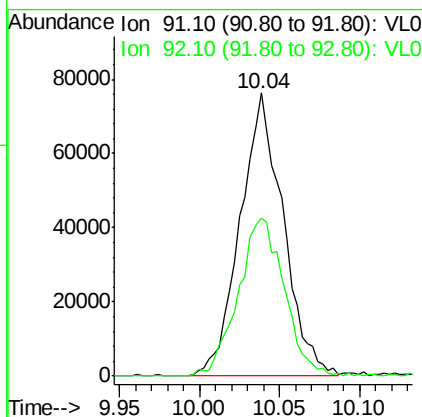
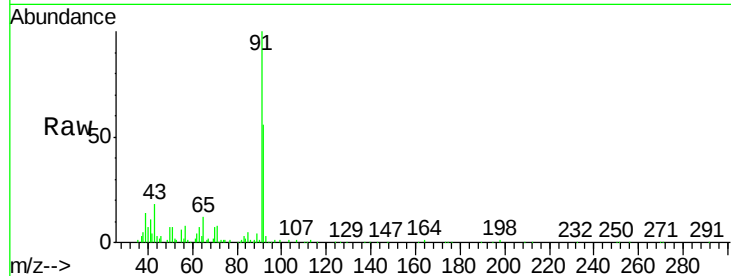
91 100

92 60.0 49.0 73.4

Manual Integrations
APPROVED

apatel

7/16/2018 8:08:18 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3498

Delta R.T. -0.01 min

Lab File: VL032250.D

Acq: 13 Jul 2018 18:02

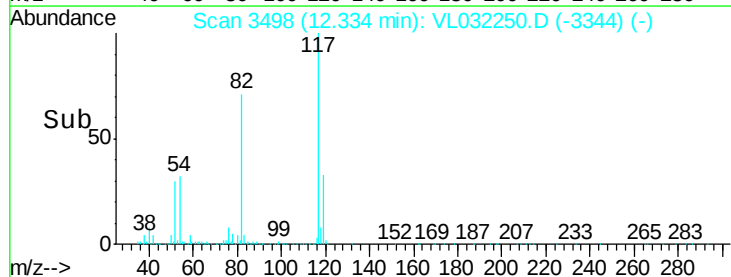
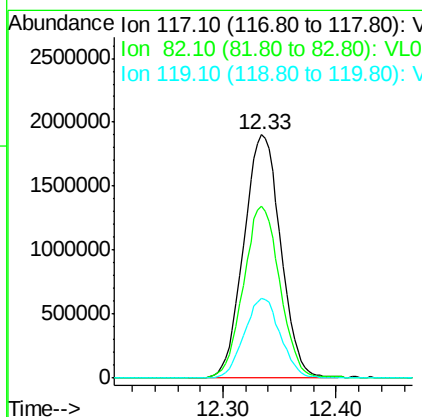
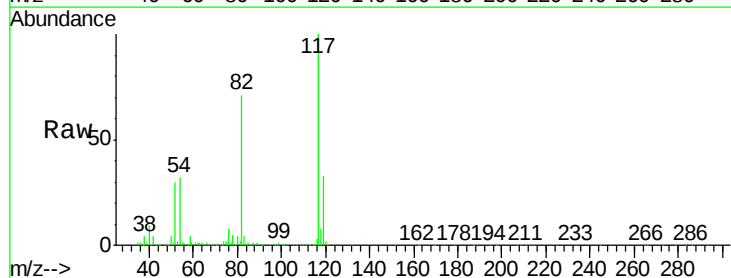
Tgt Ion: 117 Resp: 4308646

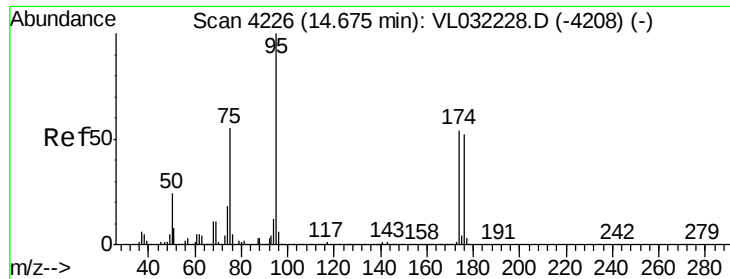
Ion Ratio Lower Upper

117 100

82 70.1 53.2 79.8

119 32.2 43.9 65.9#





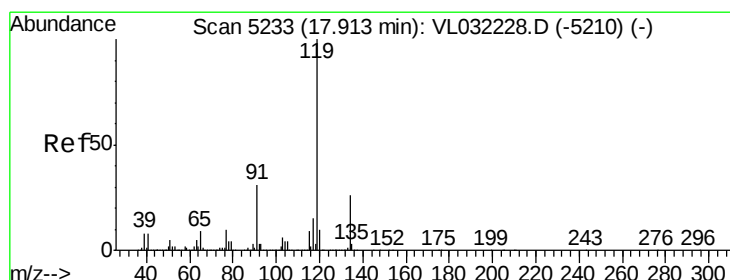
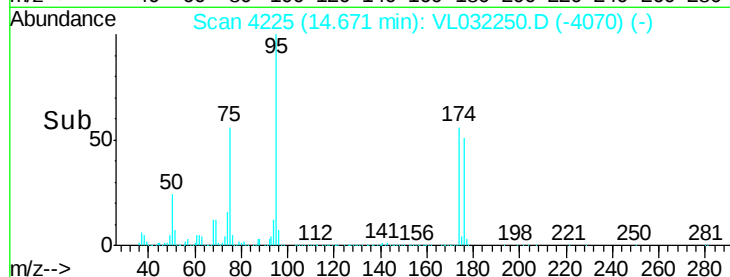
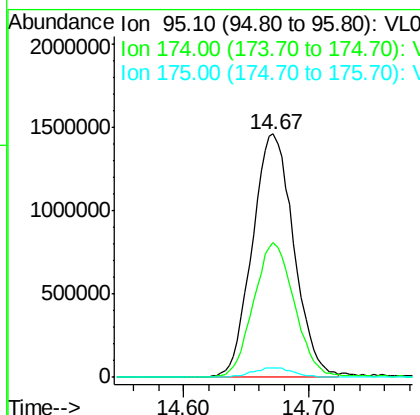
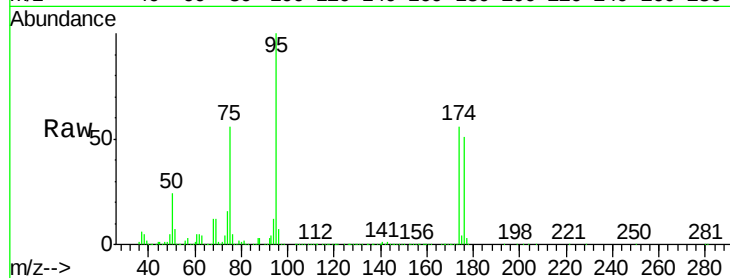
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.058 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.00 min
 Lab File: VL032250.D
 Acq: 13 Jul 2018 18:02

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Tgt Ion: 95 Resp: 3354632
 Ion Ratio Lower Upper
 95 100
 174 55.6 44.6 67.0
 175 3.9 3.3 4.9

Manual Integrations
 APPROVED

apatel
 7/16/2018 8:08:18 AM



#69
 p-Isopropyltoluene
 Concen: 0.210 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.01 min
 Lab File: VL032250.D
 Acq: 13 Jul 2018 18:02

Tgt Ion: 119 Resp: 143251
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.1 30.1
 91 33.3 24.2 36.2

