

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032254.D
 Acq On : 13 Jul 2018 20:46
 Operator : SY/AP
 Sample : J3753-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
 APPROVED

apatel
 7/16/2018 8:08:32 AM

Quant Time: Jul 14 04:01:21 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 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	1562932	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3597406	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4001187	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3144497	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds						Qvalue
9) Propene	3.09	41	20750	0.253	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.62	101	80793	0.588	ppbv	99
13) Ethanol	3.71	45	1528457	64.676	ppbv	96
15) Acetone	3.97	43	844435	4.656	ppbv	99
17) tert-Butyl alcohol	4.43	59	117491m	1.387	ppbv	
18) 1,1-Dichloroethene	4.42	96	17964m	0.281	ppbv	
19) Isopropyl Alcohol	4.09	45	791677	6.648	ppbv	99
20) Methylene Chloride	4.48	84	58247	0.948	ppbv	88
24) 1,1-Dichloroethane	5.16	63	296796	1.401	ppbv	98
26) Hexane	5.86	57	59200	0.362	ppbv #	57
32) 1,1,1-Trichloroethane	6.70	97	3246116	13.236	ppbv	99
34) 2-Butanone	5.41	43	144534	0.590	ppbv	98
44) 2,2,4-Trimethylpentane	8.08	57	131860m	0.214	ppbv	
53) Toluene	10.04	91	186830	0.442	ppbv	98
59) m/p-Xylene	13.21	91	138041m	0.288	ppbv	
69) p-Isopropyltoluene	17.92	119	101879	0.161	ppbv	94
75) 1,3-Dichlorobenzene	17.26	146	121568	0.404	ppbv	95

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

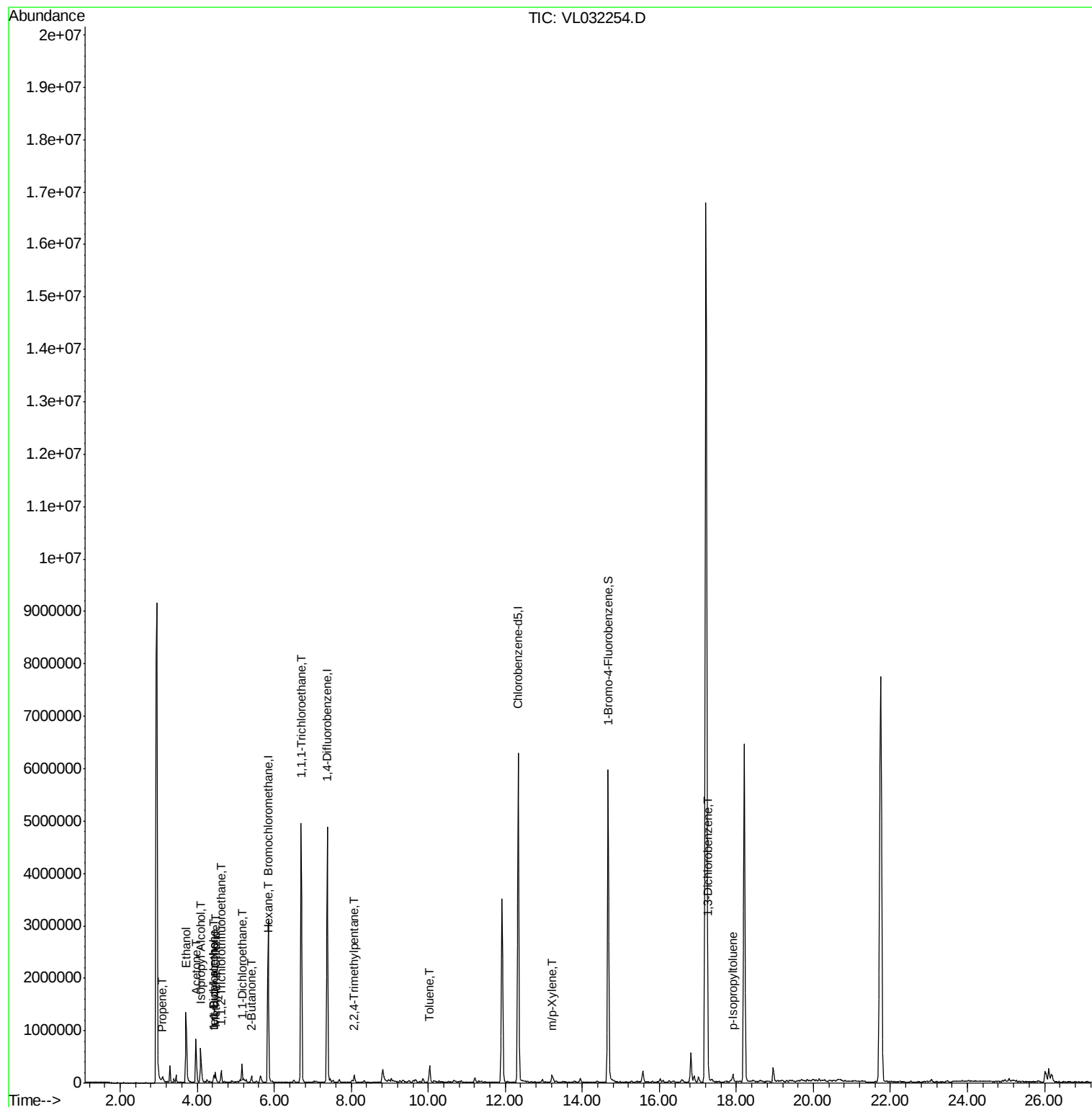
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
Data File : VL032254.D
Acq On : 13 Jul 2018 20:46
Operator : SY/AP
Sample : J3753-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

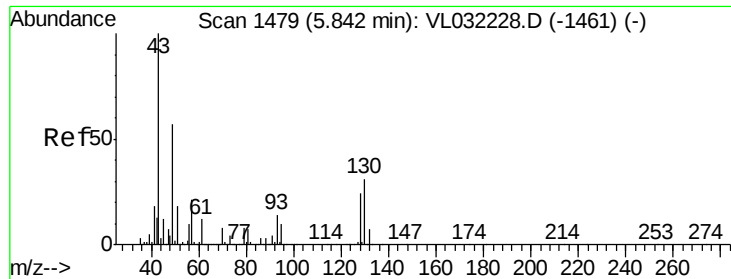
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
APPROVED

apatel
7/16/2018 8:08:32 AM

Quant Time: Jul 14 04:01:21 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: VL032254.D

Acq: 13 Jul 2018 20:46

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 49 Resp: 1562932

Ion Ratio Lower Upper

49 100

128 43.1 20.9 62.8

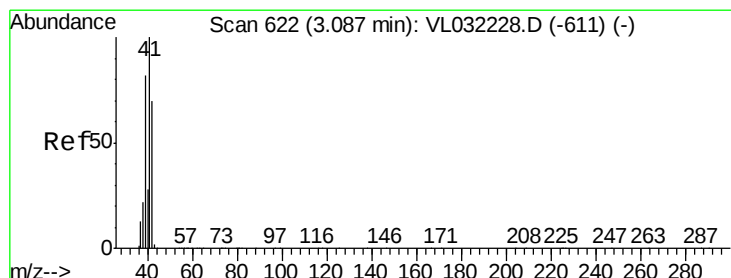
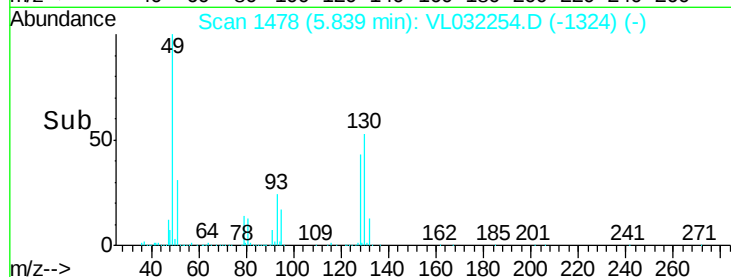
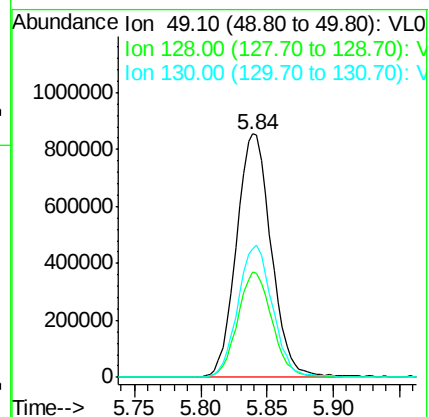
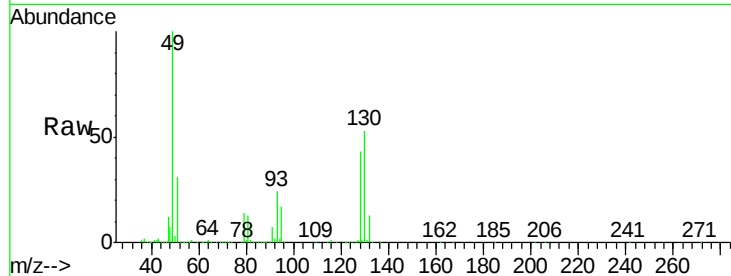
130 54.3 27.0 81.0

Manual Integrations

APPROVED

apatel

7/16/2018 8:08:32 AM



#9

Propene

Concen: 0.253 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032254.D

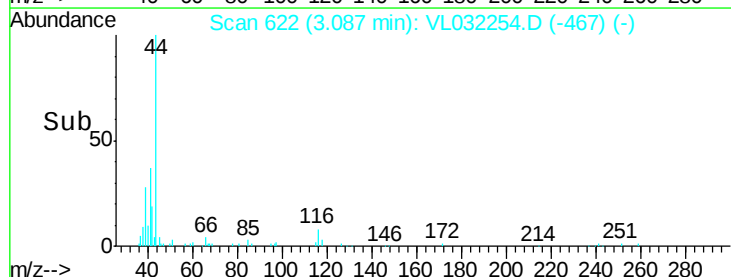
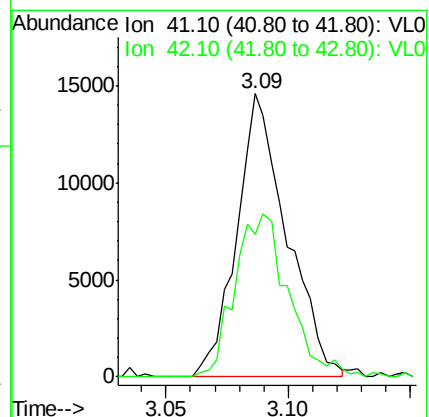
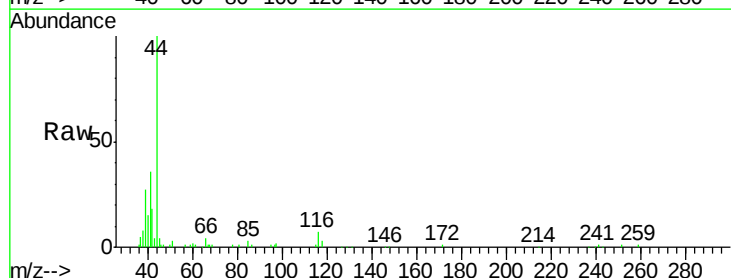
Acq: 13 Jul 2018 20:46

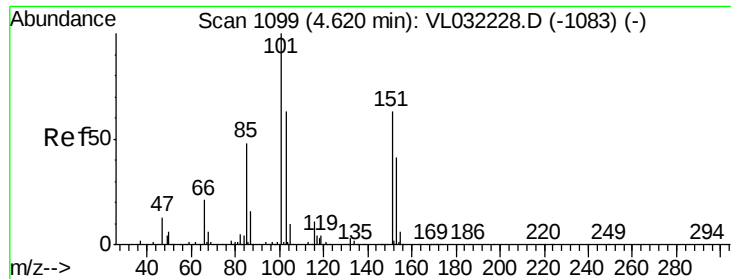
Tgt Ion: 41 Resp: 20750

Ion Ratio Lower Upper

41 100

42 61.8 56.2 84.4





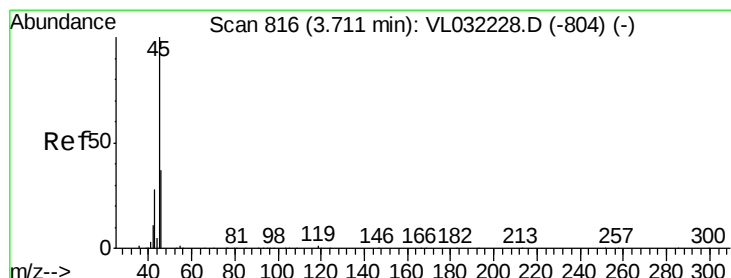
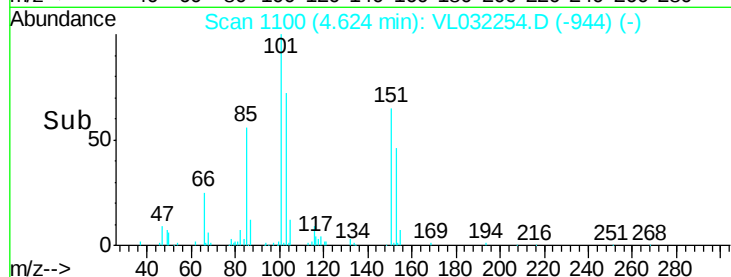
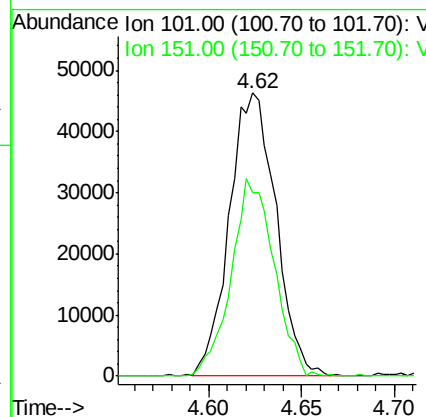
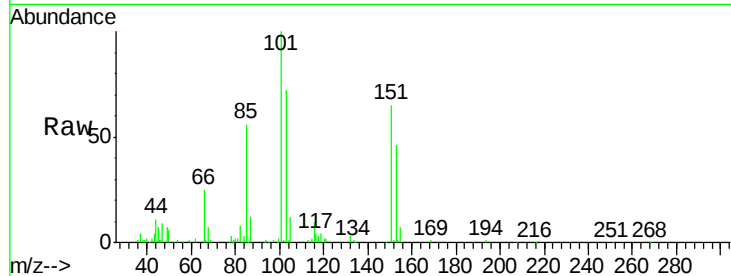
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.588 ppbv
 RT: 4.62 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VL032254.D
 Acq: 13 Jul 2018 20:46

Instrument :
 MSVOA_L
 ClientSampleID :
 INFLUENTDL

Tgt Ion: 101 Resp: 80793
 Ion Ratio Lower Upper
 101 100
 151 64.1 52.2 78.2

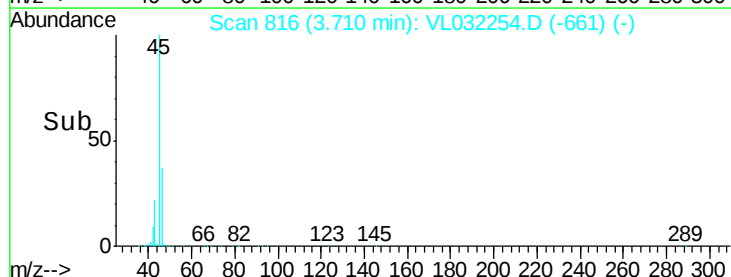
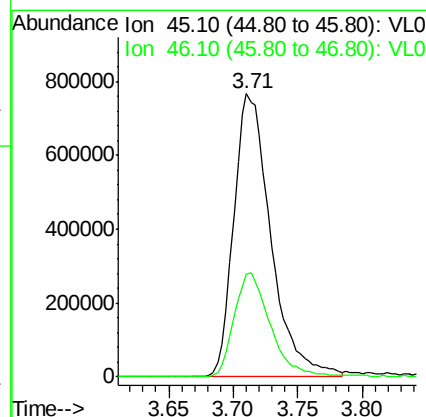
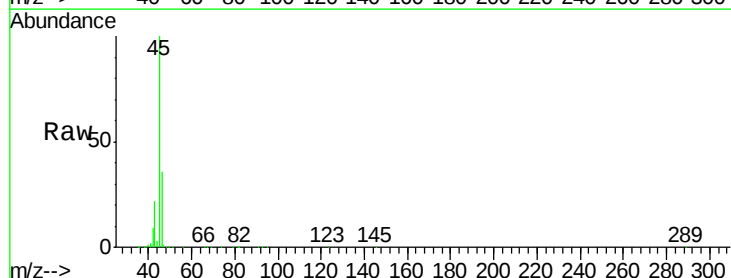
Manual Integrations
 APPROVED

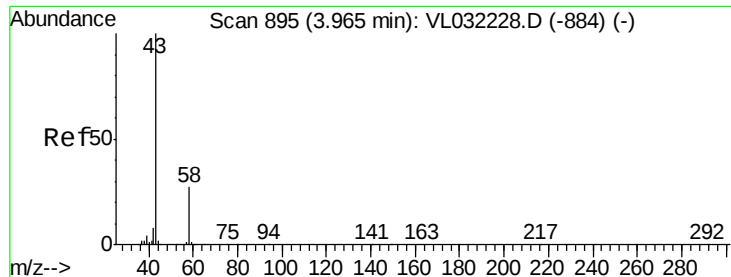
apatel
 7/16/2018 8:08:32 AM



#13
 Ethanol
 Concen: 64.676 ppbv
 RT: 3.71 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: VL032254.D
 Acq: 13 Jul 2018 20:46

Tgt Ion: 45 Resp: 1528457
 Ion Ratio Lower Upper
 45 100
 46 36.5 15.5 61.9





#15

Acetone

Concen: 4.656 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032254.D

Acq: 13 Jul 2018 20:46

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 43 Resp: 844435

Ion Ratio Lower Upper

43 100

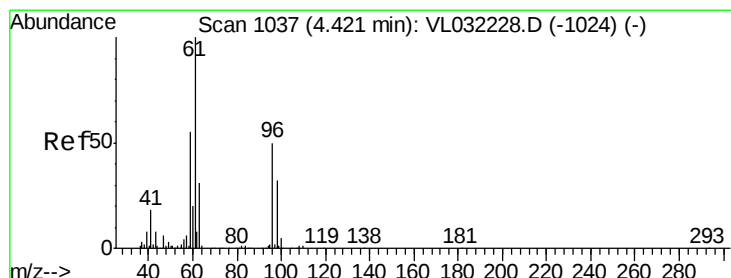
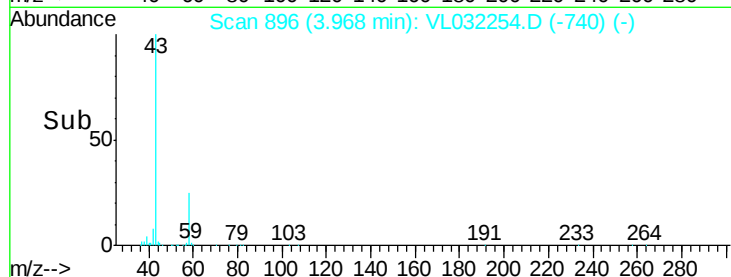
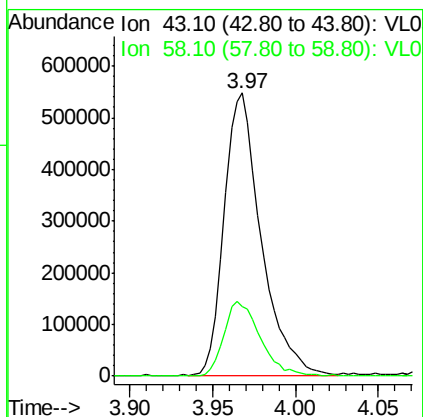
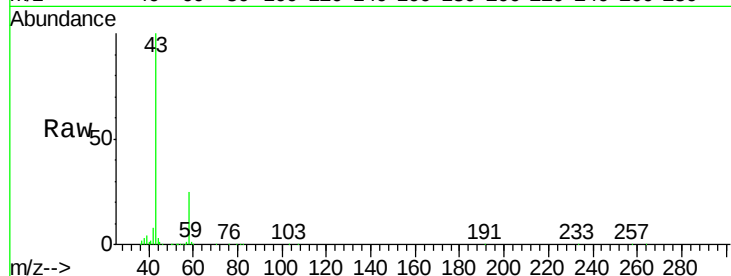
58 26.5 21.5 32.3

Manual Integrations

APPROVED

apatel

7/16/2018 8:08:32 AM



#17

tert-Butyl alcohol

Concen: 1.387 ppbv m

RT: 4.43 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VL032254.D

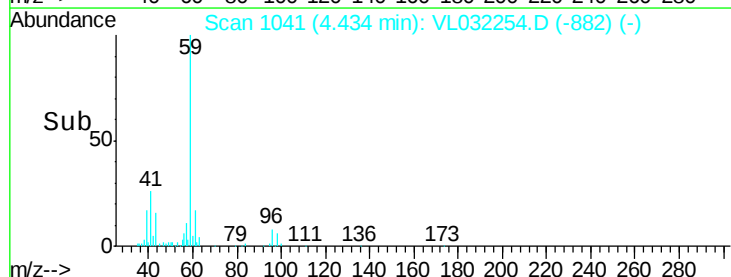
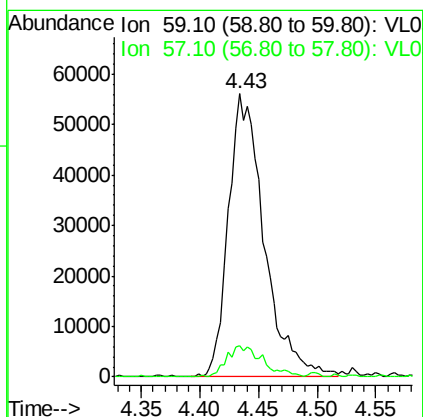
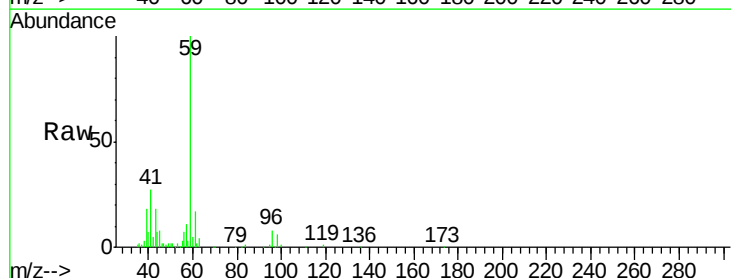
Acq: 13 Jul 2018 20:46

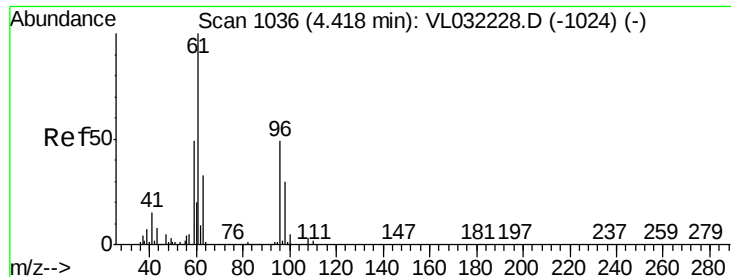
Tgt Ion: 59 Resp: 117491

Ion Ratio Lower Upper

59 100

57 11.6 8.4 12.6





#18

1,1-Dichloroethene

Concen: 0.281 ppbv m

RT: 4.42 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VL032254.D

Acq: 13 Jul 2018 20:46

Instrument :

MSVOA_L

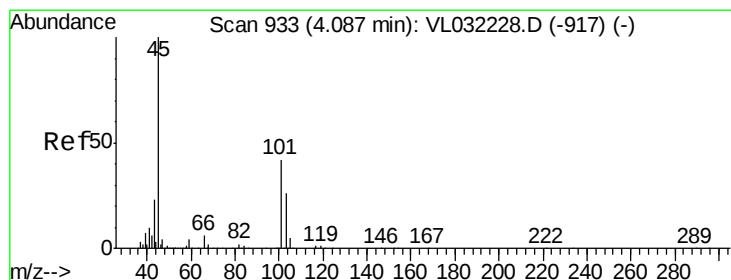
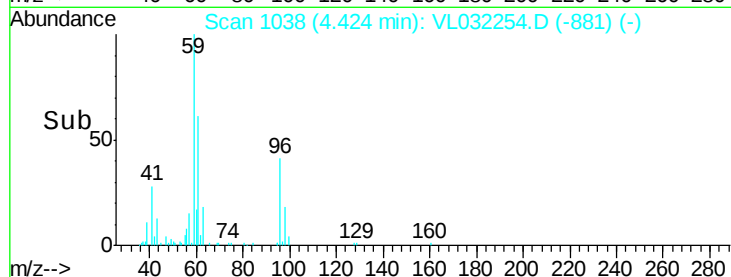
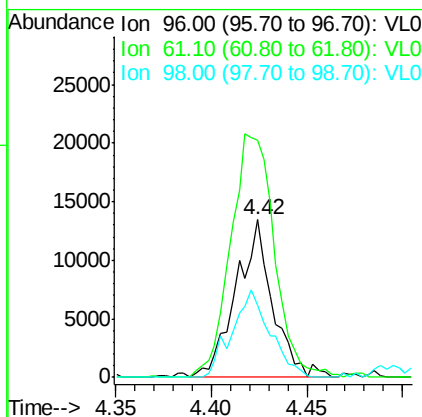
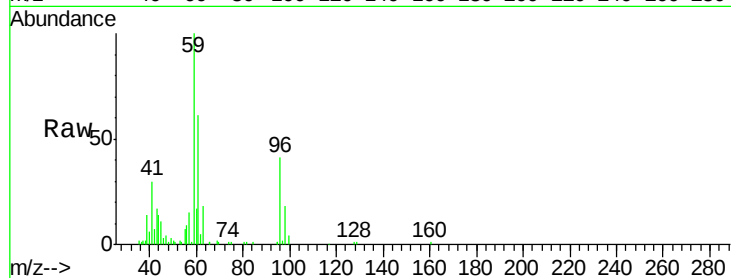
ClientSampled :

INFLUENTDL

Tgt Ion:	96	Resp:	17964
Ion Ratio	Lower	Upper	
96	100		
61	150.4	163.0	244.4#
98	45.5	48.5	72.7#

Manual Integrations
APPROVED

apatel
7/16/2018 8:08:32 AM



#19

Isopropyl Alcohol

Concen: 6.648 ppbv

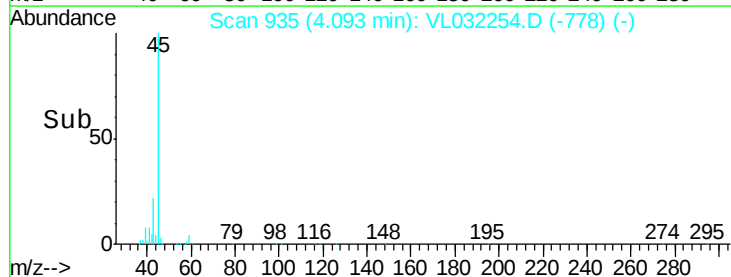
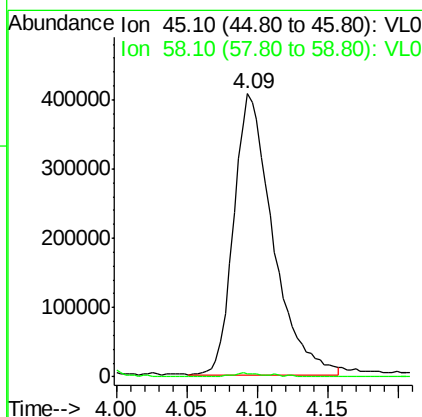
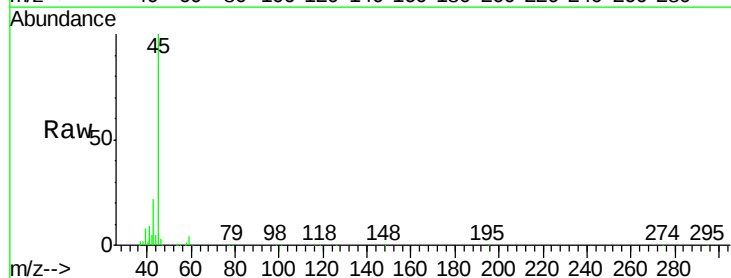
RT: 4.09 min Scan# 935

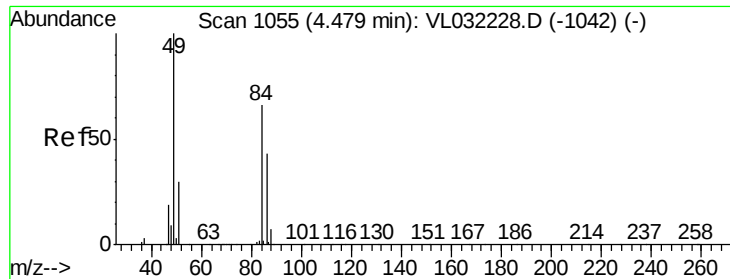
Delta R.T. 0.01 min

Lab File: VL032254.D

Acq: 13 Jul 2018 20:46

Tgt Ion:	45	Resp:	791677
Ion Ratio	Lower	Upper	
45	100		
58	1.3	1.3	1.9





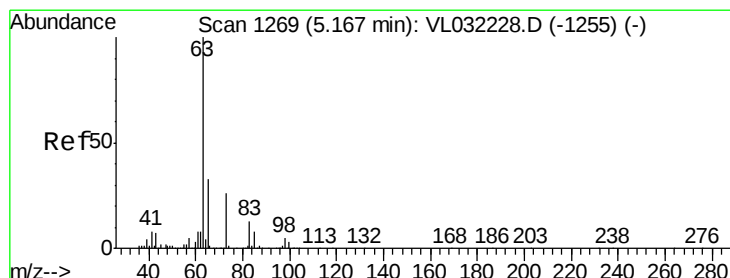
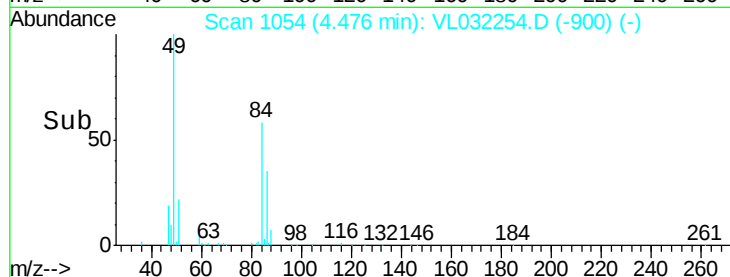
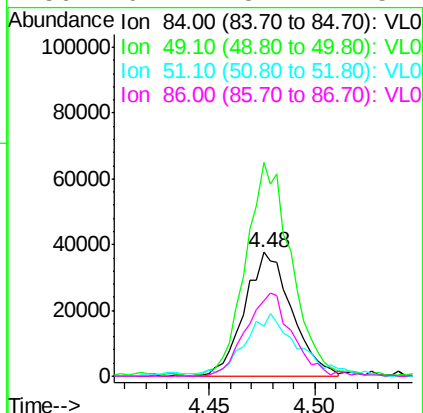
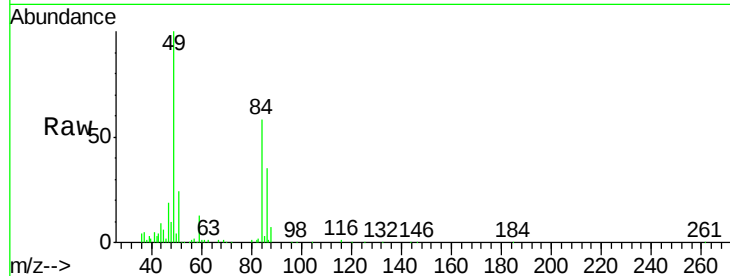
#20
Methylene Chloride
Concen: 0.948 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL032254.D
Acq: 13 Jul 2018 20:46

Instrument :
MSVOA_L
ClientSampleID :
INFLUENTDL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	172.9	121.8	182.6
51	38.6	36.3	54.5
86	61.1	52.1	78.1

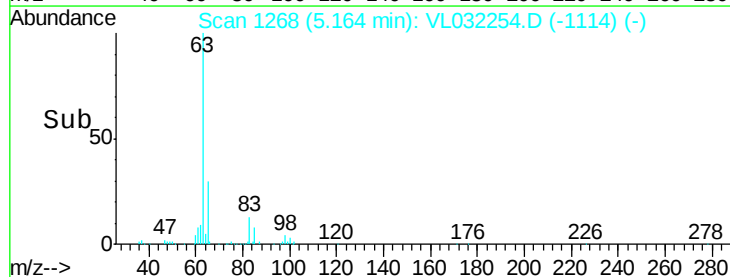
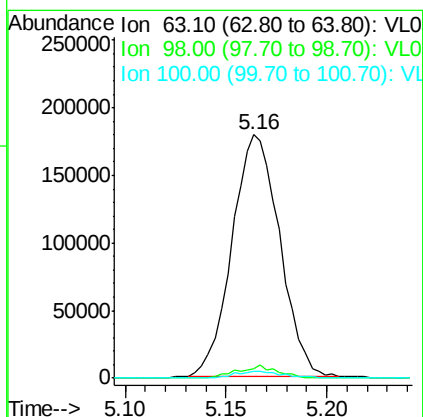
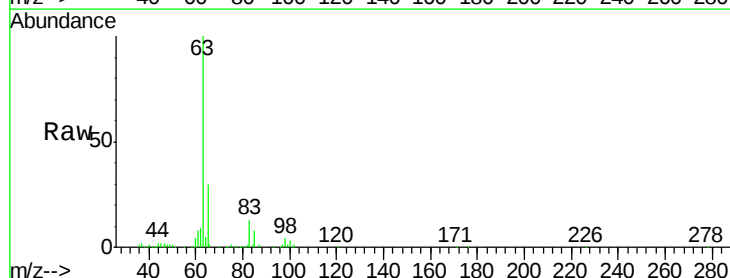
Manual Integrations
APPROVED

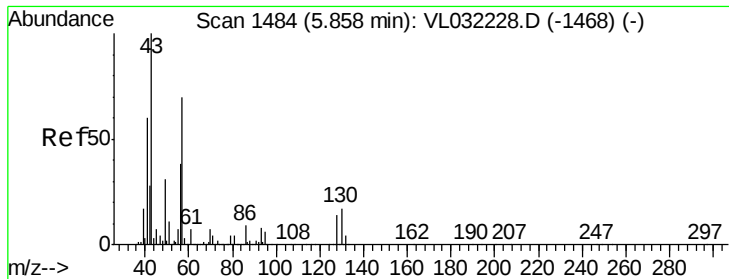
apatel
7/16/2018 8:08:32 AM



#24
1,1-Dichloroethane
Concen: 1.401 ppbv
RT: 5.16 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032254.D
Acq: 13 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.4	7.1
100	2.6	1.5	4.4





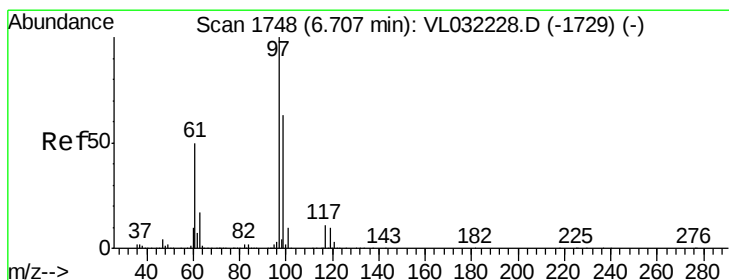
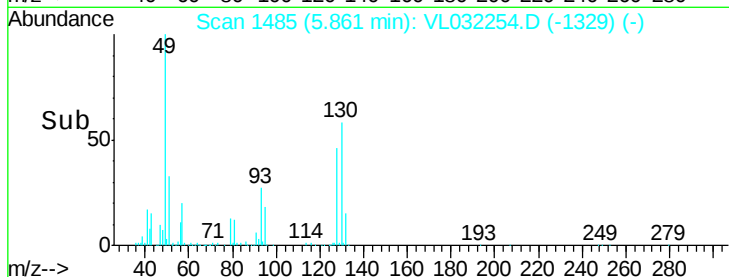
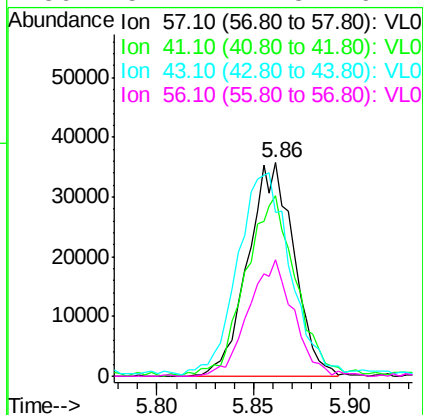
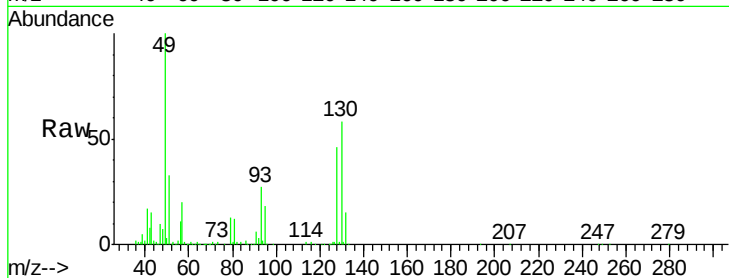
#26
Hexane
Concen: 0.362 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VL032254.D
Acq: 13 Jul 2018 20:46

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.0	68.7	103.1
43	110.0	176.2	264.2#
56	54.1	42.8	64.2

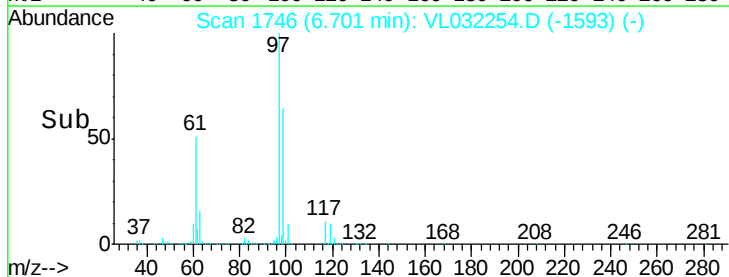
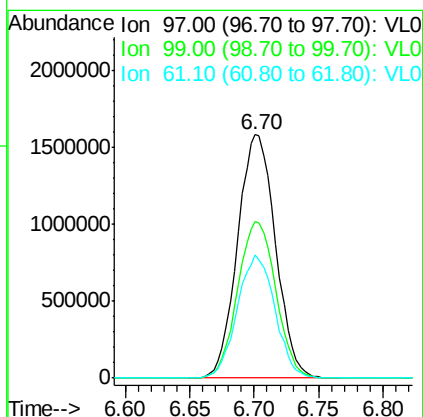
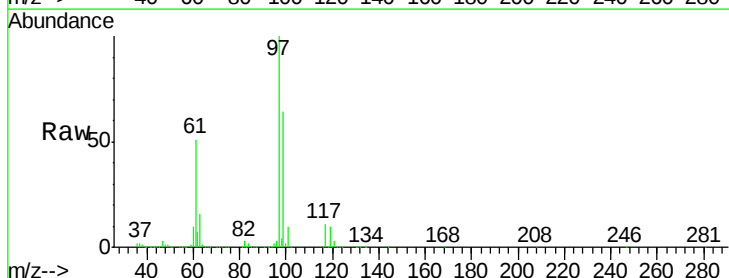
Manual Integrations
APPROVED

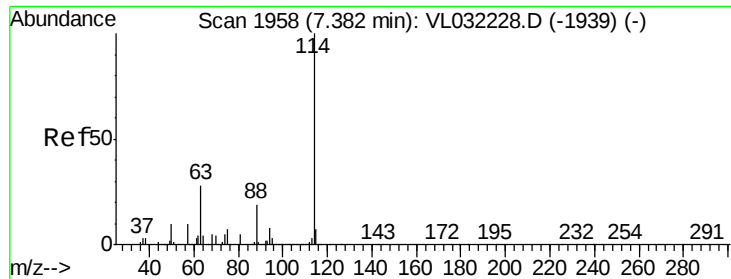
apatel
7/16/2018 8:08:32 AM



#32
1,1,1-Trichloroethane
Concen: 13.236 ppbv
RT: 6.70 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VL032254.D
Acq: 13 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	50.2	41.3	61.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.38 min Scan# 1956

Delta R.T. -0.01 min

Lab File: VL032254.D

Acq: 13 Jul 2018 20:46

Instrument :

MSVOA_L

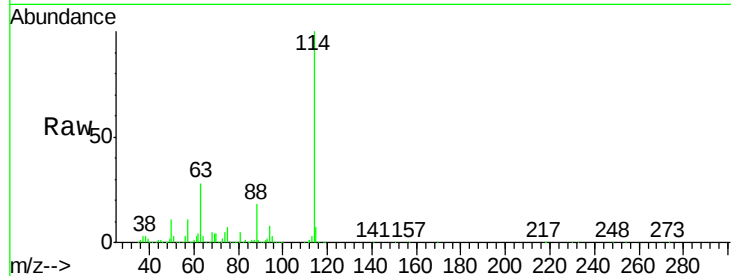
ClientSampleId :

INFLUENTDL

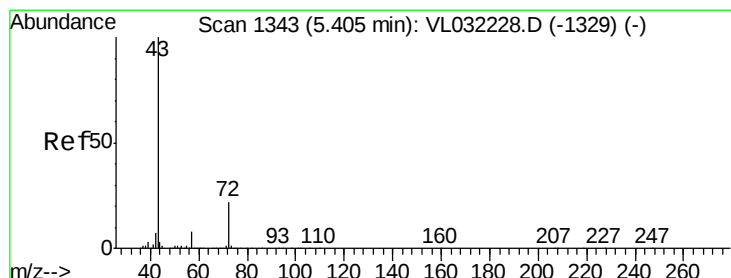
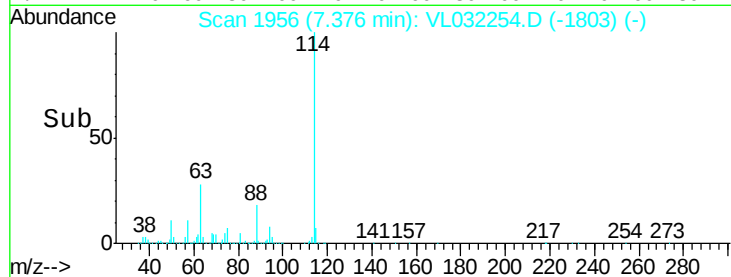
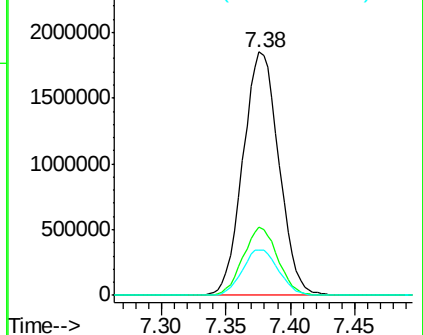
Tgt Ion:	114	Resp:	3597406
Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.5	33.7
88	19.0	15.4	23.0

Manual Integrations
APPROVED

apatel
7/16/2018 8:08:32 AM



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



#34

2-Butanone

Concen: 0.590 ppbv

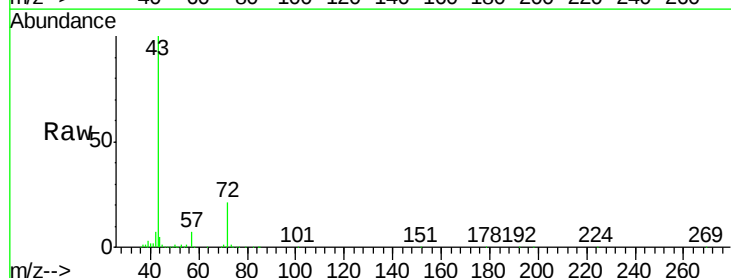
RT: 5.41 min Scan# 1345

Delta R.T. 0.01 min

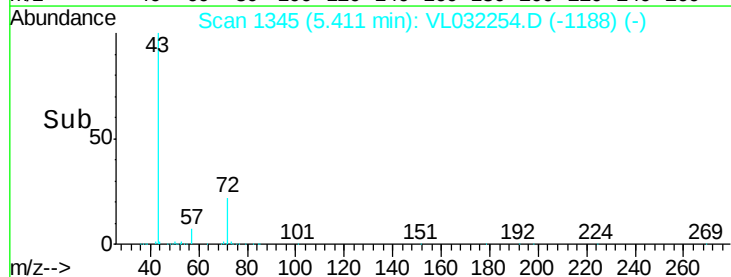
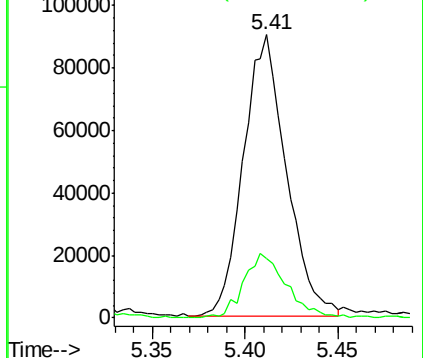
Lab File: VL032254.D

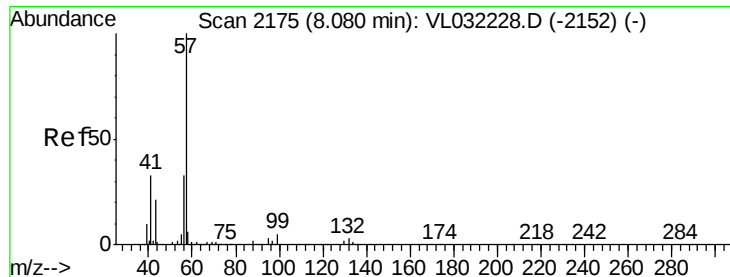
Acq: 13 Jul 2018 20:46

Tgt Ion:	43	Resp:	144534
Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.1	27.1



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





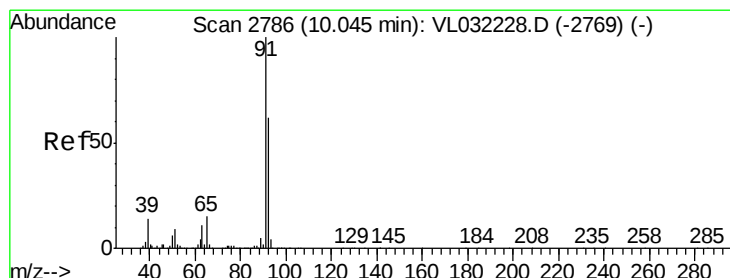
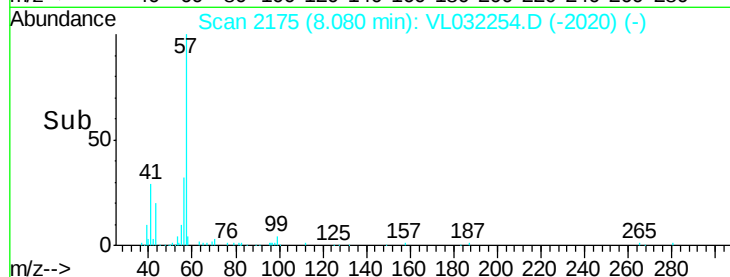
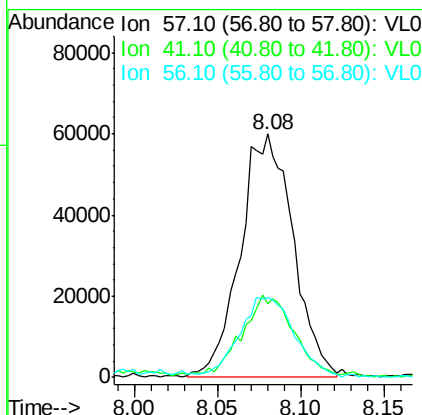
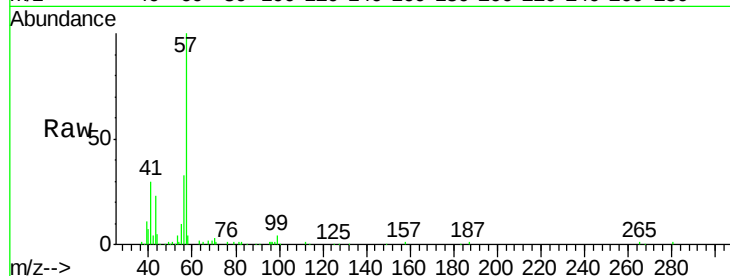
#44
 2,2,4-Trimethylpentane
 Concen: 0.214 ppbv m
 RT: 8.08 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VL032254.D
 Acq: 13 Jul 2018 20:46

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.7	37.1#
56	35.1	25.4	38.0

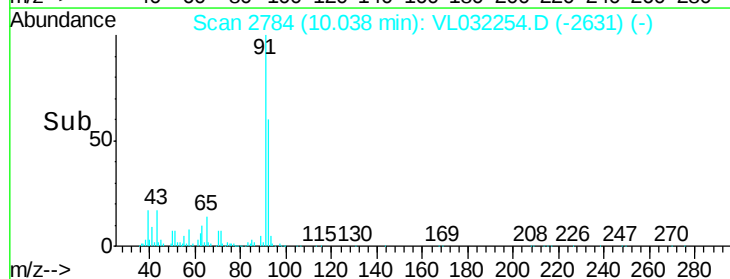
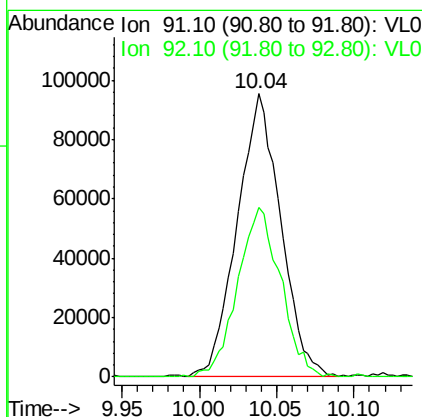
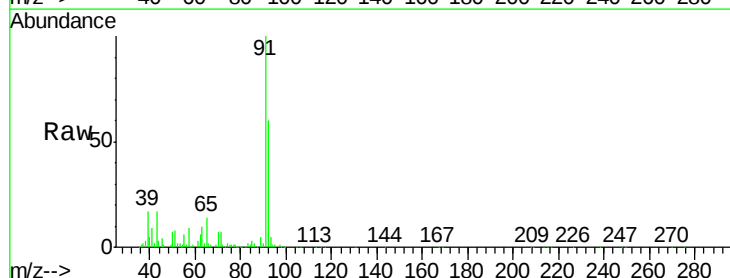
Manual Integrations
 APPROVED

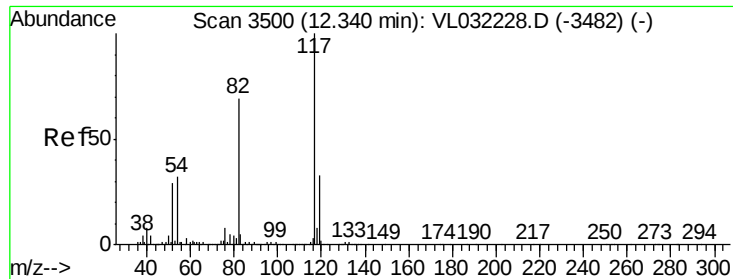
apatel
 7/16/2018 8:08:32 AM



#53
 Toluene
 Concen: 0.442 ppbv
 RT: 10.04 min Scan# 2784
 Delta R.T. -0.01 min
 Lab File: VL032254.D
 Acq: 13 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	49.0	73.4





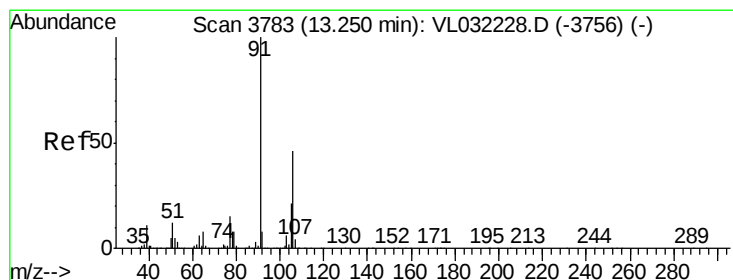
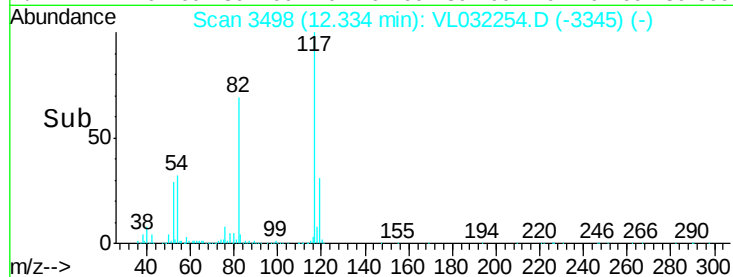
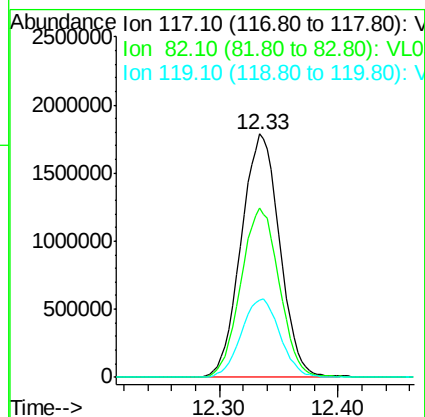
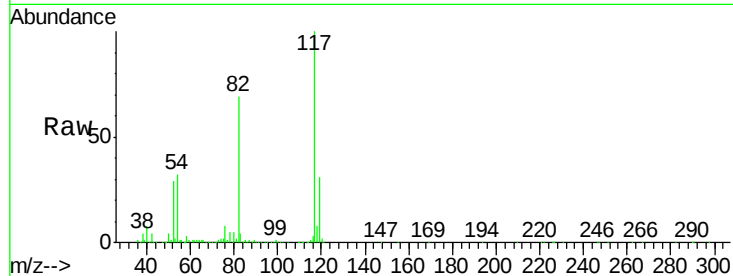
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032254.D
Acq: 13 Jul 2018 20:46

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 117 Resp: 4001187
Ion Ratio Lower Upper
117 100
82 69.9 53.2 79.8
119 32.7 43.9 65.9#

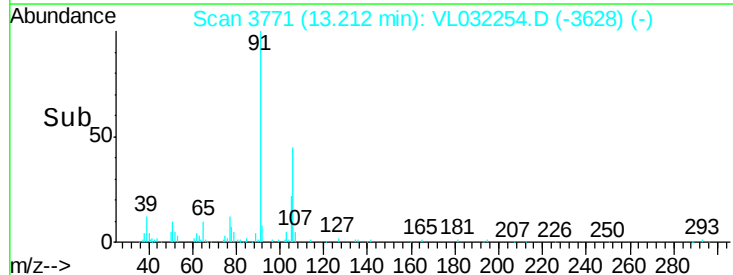
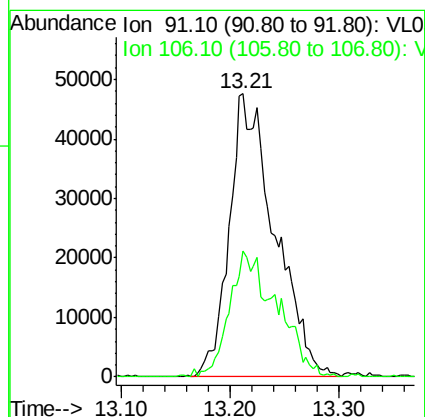
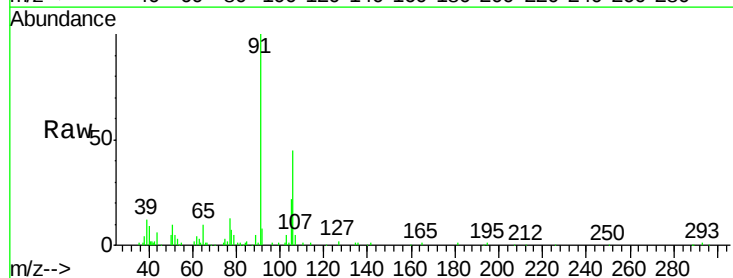
Manual Integrations
APPROVED

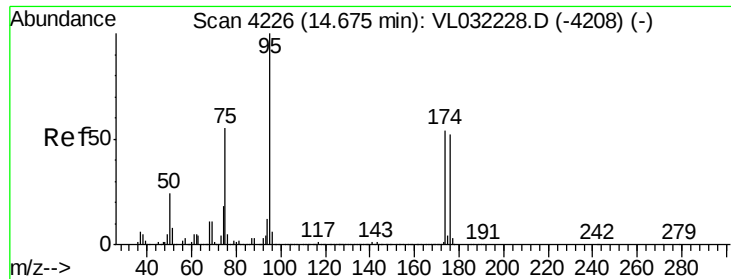
apatel
7/16/2018 8:08:32 AM



#59
m/p-Xylene
Concen: 0.288 ppbv m
RT: 13.21 min Scan# 3771
Delta R.T. -0.04 min
Lab File: VL032254.D
Acq: 13 Jul 2018 20:46

Tgt Ion: 91 Resp: 138041
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





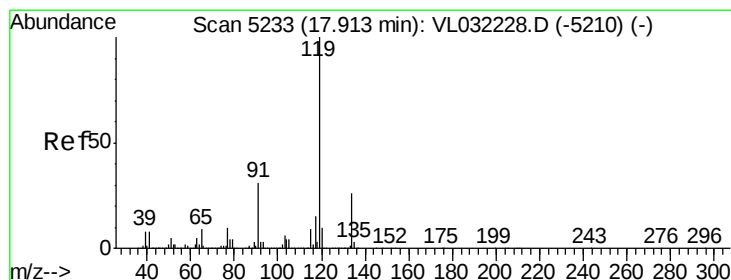
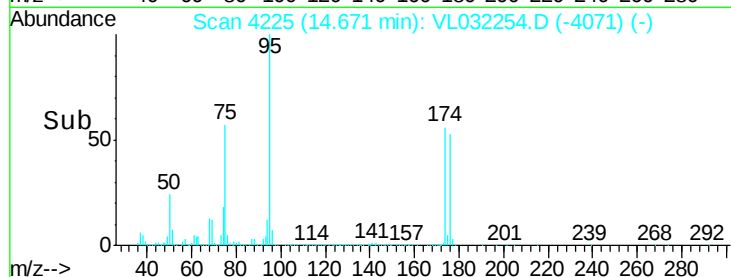
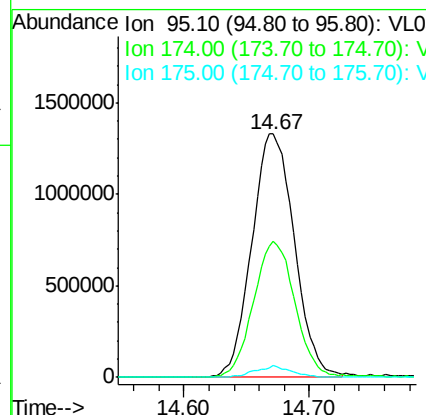
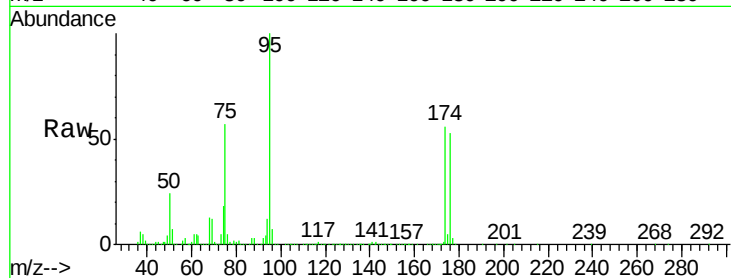
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.152 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.00 min
 Lab File: VL032254.D
 Acq: 13 Jul 2018 20:46

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tgt Ion: 95 Resp: 3144497
 Ion Ratio Lower Upper
 95 100
 174 55.3 44.6 67.0
 175 4.0 3.3 4.9

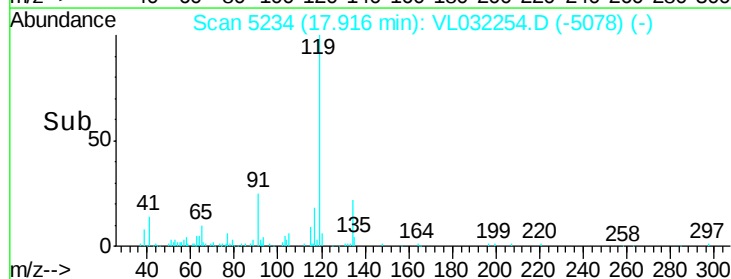
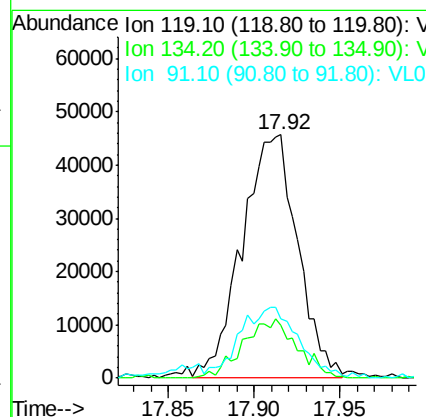
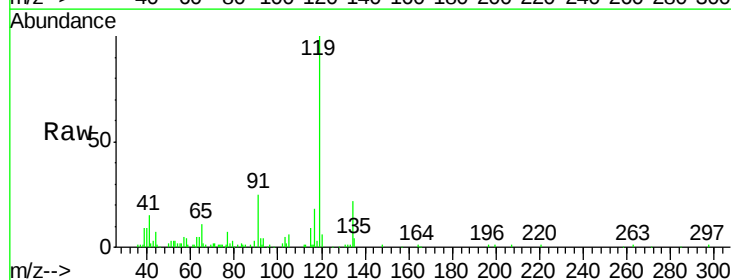
Manual Integrations
 APPROVED

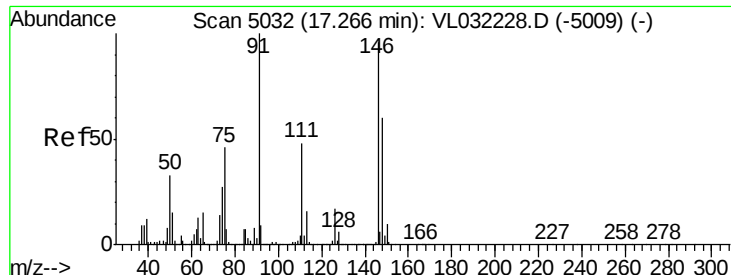
apatel
 7/16/2018 8:08:32 AM



#69
 p-Isopropyltoluene
 Concen: 0.161 ppbv
 RT: 17.92 min Scan# 5234
 Delta R.T. 0.00 min
 Lab File: VL032254.D
 Acq: 13 Jul 2018 20:46

Tgt Ion: 119 Resp: 101879
 Ion Ratio Lower Upper
 119 100
 134 24.0 20.1 30.1
 91 35.1 24.2 36.2





#75

1,3-Dichlorobenzene

Concen: 0.404 ppbv

RT: 17.26 min Scan# 5031

Delta R.T. -0.00 min

Lab File: VL032254.D

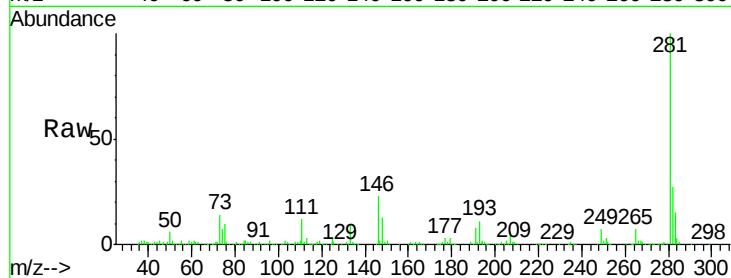
Acq: 13 Jul 2018 20:46

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL



Tgt Ion:	146	Resp:	121568
Ion Ratio	Lower	Upper	
146	100		
111	53.9	24.9	74.7
148	66.4	31.9	95.5

Manual Integrations
APPROVED

apatel
7/16/2018 8:08:32 AM

