

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
 Data File : VL032239.D
 Acq On : 13 Jul 2018 6:16
 Operator : SY/AP
 Sample : J3753-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:19 PM

Quant Time: Jul 13 06:57:06 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	1871885	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4014923	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4749260	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3833430	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.66	64	10494m	0.24	ppbv	
9) Propene	3.09	41	17197m	0.18	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.62	101	27583	0.17	ppbv	94
13) Ethanol	3.71	45	1629052	57.56	ppbv	96
15) Acetone	3.96	43	832819	3.83	ppbv	99
17) tert-Butyl alcohol	4.43	59	104146m	1.03	ppbv	
19) Isopropyl Alcohol	4.09	45	755460	5.30	ppbv #	98
20) Methylene Chloride	4.48	84	89303	1.21	ppbv	97
24) 1,1-Dichloroethane	5.16	63	340372	1.34	ppbv	100
26) Hexane	5.86	57	56442	0.29	ppbv #	57
32) 1,1,1-Trichloroethane	6.70	97	1514765	5.16	ppbv	100
34) 2-Butanone	5.41	43	142620	0.52	ppbv	99
44) 2,2,4-Trimethylpentane	8.08	57	119948	0.17	ppbv	90
53) Toluene	10.03	91	166564	0.35	ppbv	96
59) m/p-Xylene	13.21	91	126288m	0.22	ppbv	
69) p-Isopropyltoluene	17.91	119	185337	0.25	ppbv	95

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

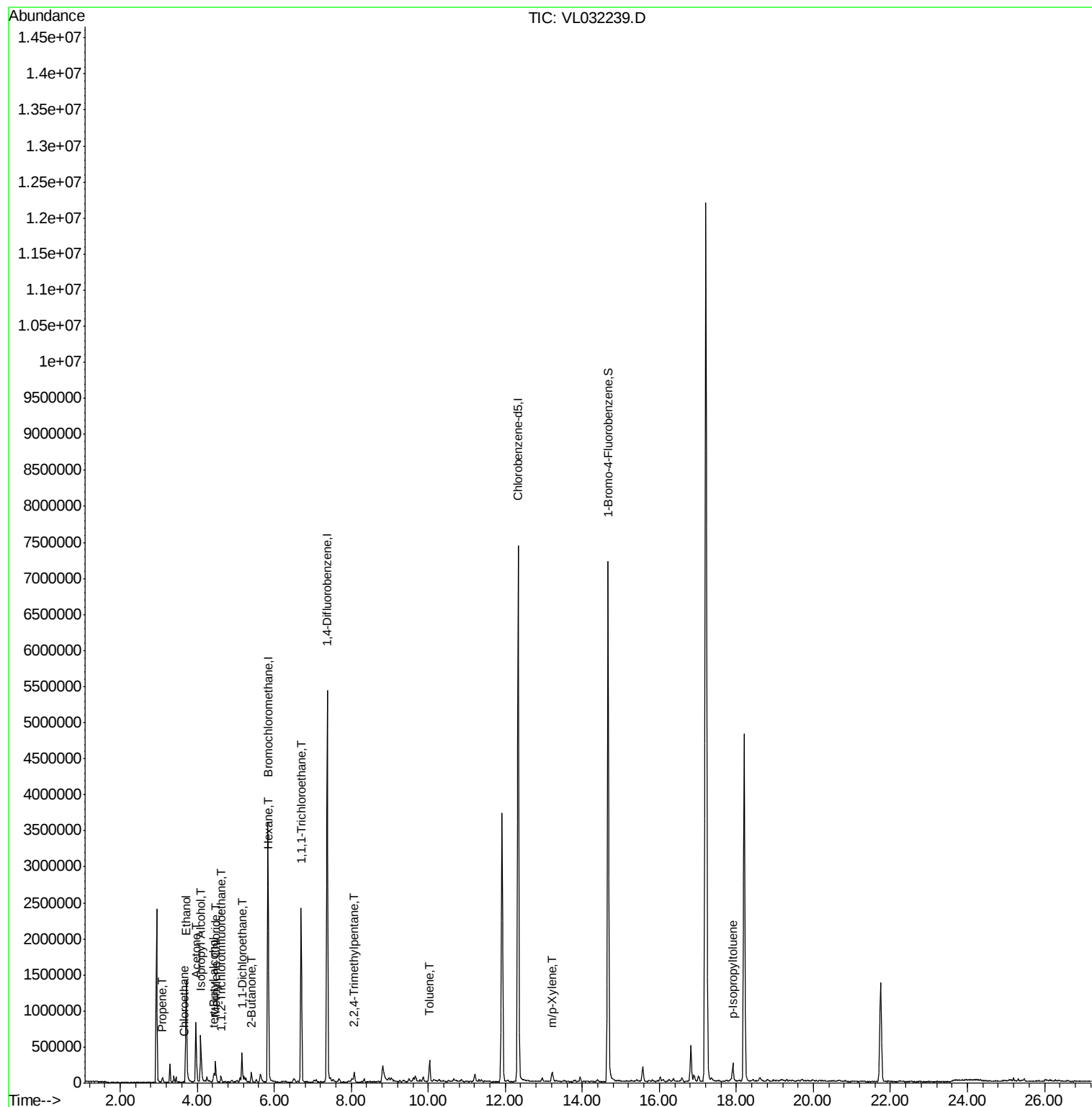
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
Data File : VL032239.D
Acq On : 13 Jul 2018 6:16
Operator : SY/AP
Sample : J3753-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

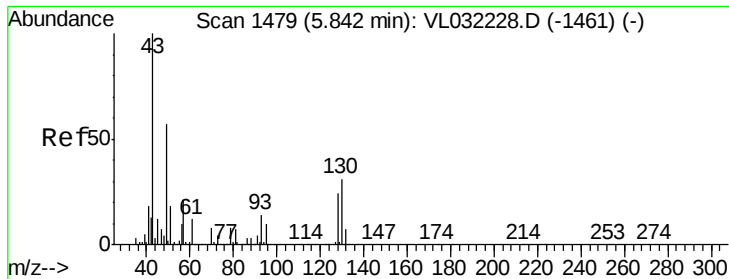
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
APPROVED

MMDadoda
7/13/2018 5:22:19 PM

Quant Time: Jul 13 06:57:06 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: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VL032239.D

Acq: 13 Jul 2018 6:16

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion: 49 Resp: 1871885

Ion Ratio Lower Upper

49 100

128 41.4 20.9 62.8

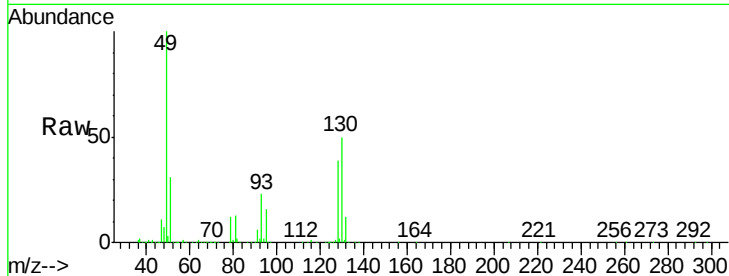
130 52.4 27.0 81.0

Manual Integrations

APPROVED

MMDadoda

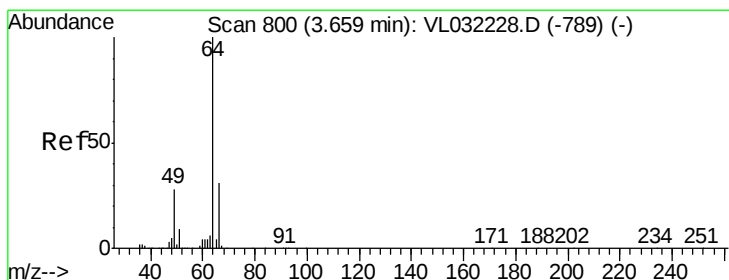
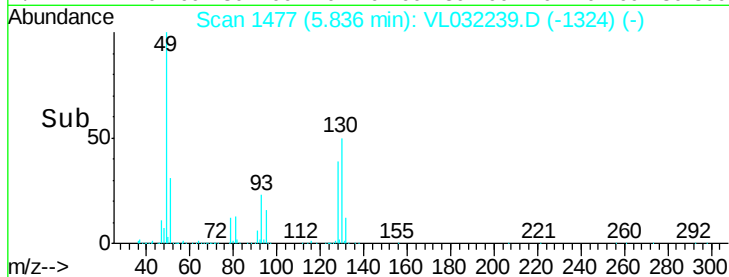
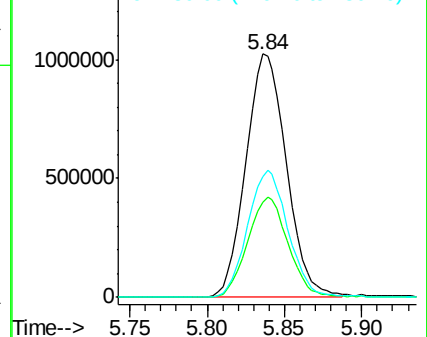
7/13/2018 5:22:19 PM



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



#7

Chloroethane

Concen: 0.24 ppbv m

RT: 3.66 min Scan# 801

Delta R.T. 0.00 min

Lab File: VL032239.D

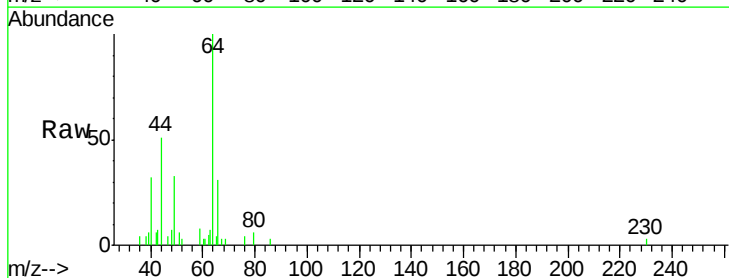
Acq: 13 Jul 2018 6:16

Tgt Ion: 64 Resp: 10494

Ion Ratio Lower Upper

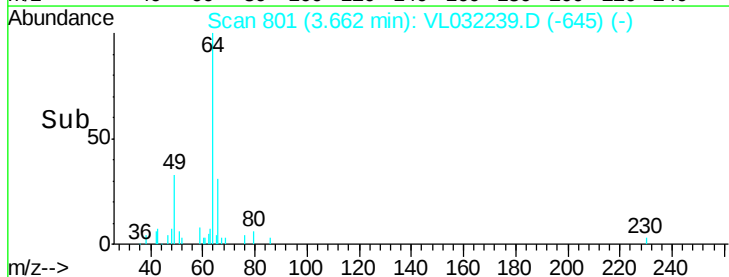
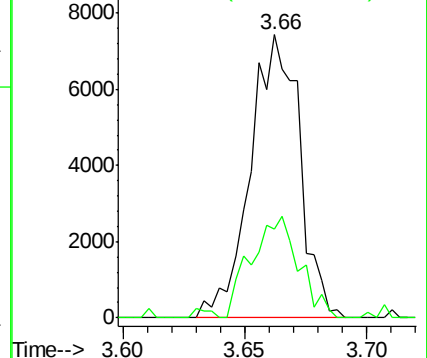
64 100

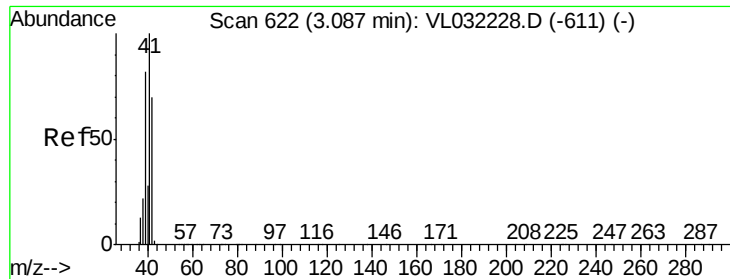
66 31.2 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

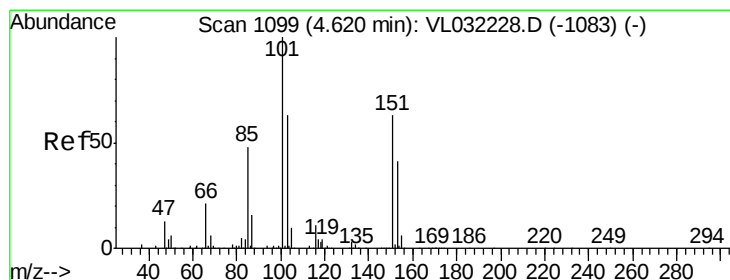
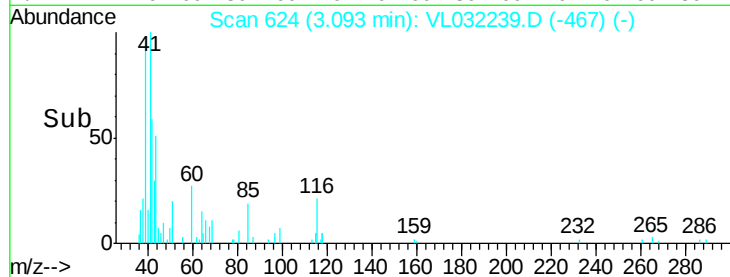
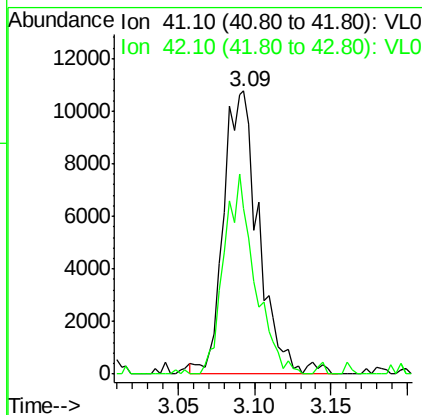
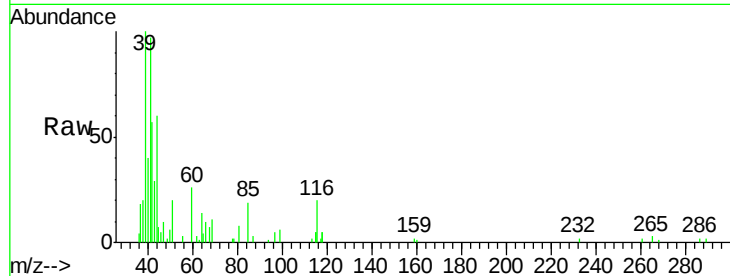
Concen: 0.18 ppbv m
RT: 3.09 min Scan# 624
Delta R.T. 0.01 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 41 Resp: 17197
Ion Ratio Lower Upper
41 100
42 62.4 56.2 84.4

Manual Integrations
APPROVED

MMDadoda
7/13/2018 5:22:19 PM

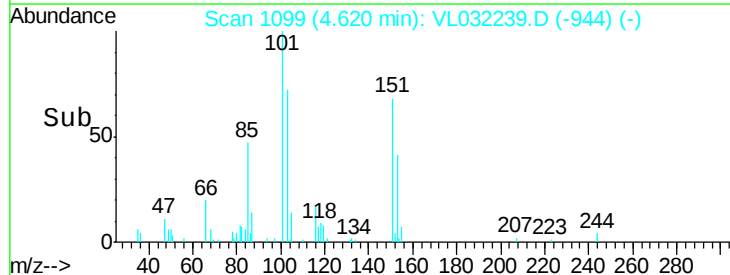
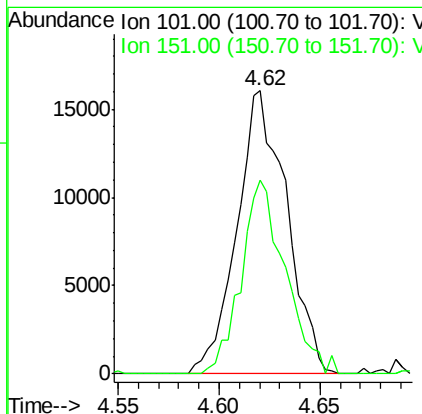
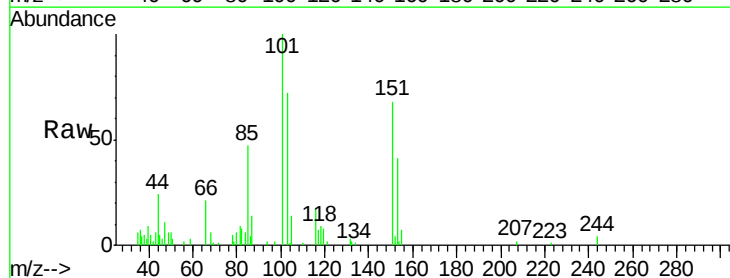


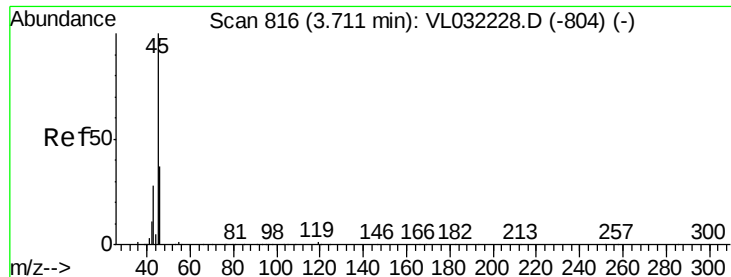
#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.17 ppbv
RT: 4.62 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Tgt Ion: 101 Resp: 27583
Ion Ratio Lower Upper
101 100
151 60.8 52.2 78.2





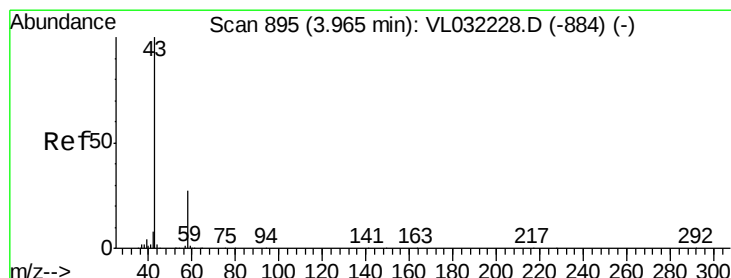
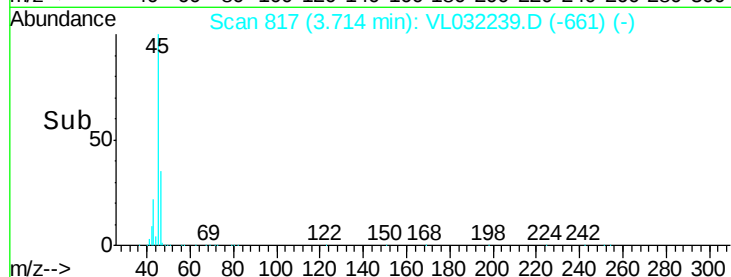
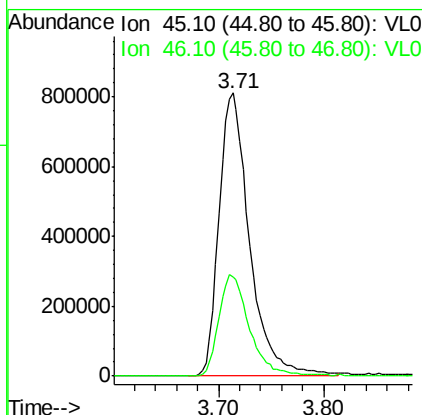
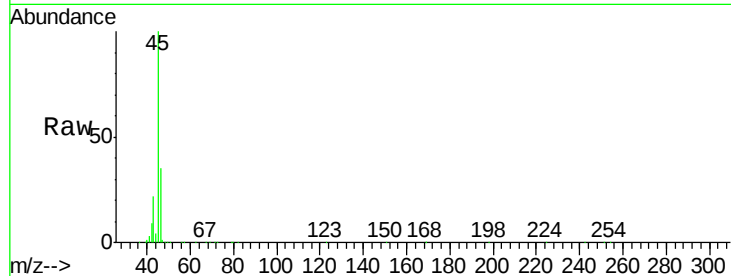
#13
Ethanol
Concen: 57.56 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 45 Resp: 1629052
Ion Ratio Lower Upper
45 100
46 36.6 15.5 61.9

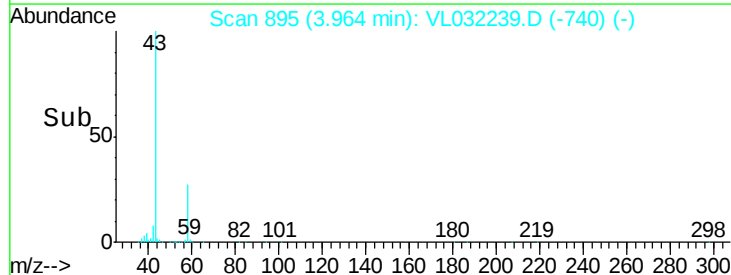
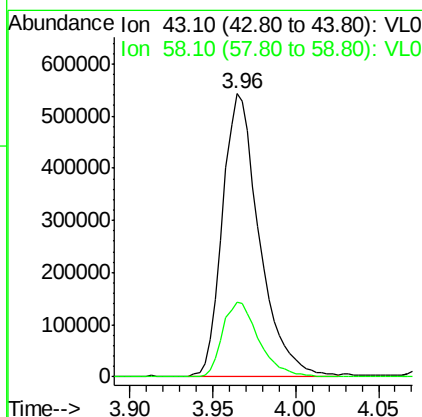
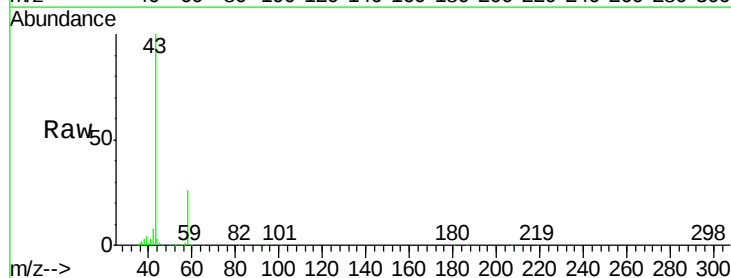
Manual Integrations
APPROVED

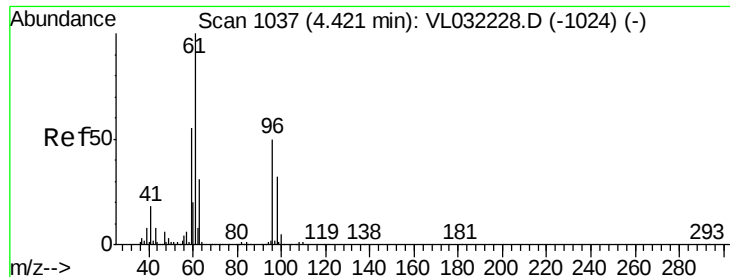
MMDadoda
7/13/2018 5:22:19 PM



#15
Acetone
Concen: 3.83 ppbv
RT: 3.96 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Tgt Ion: 43 Resp: 832819
Ion Ratio Lower Upper
43 100
58 26.4 21.5 32.3





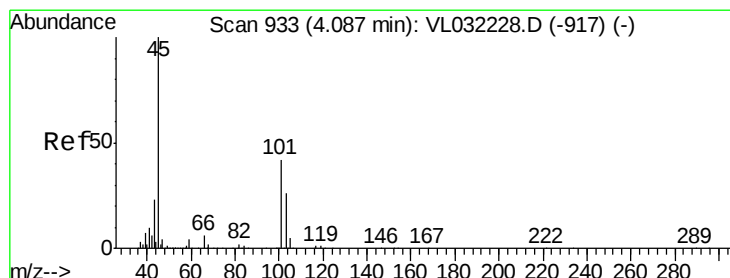
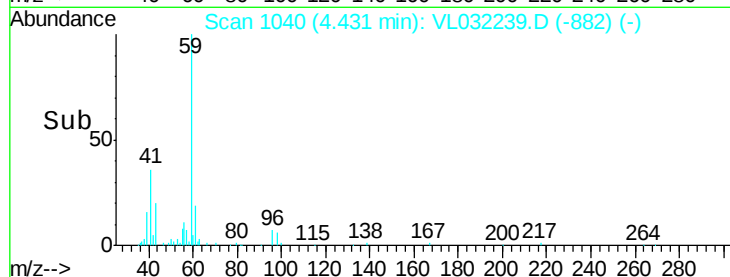
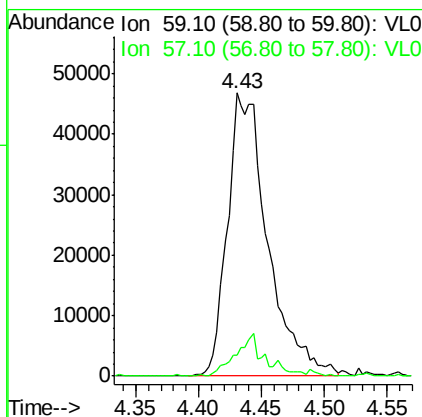
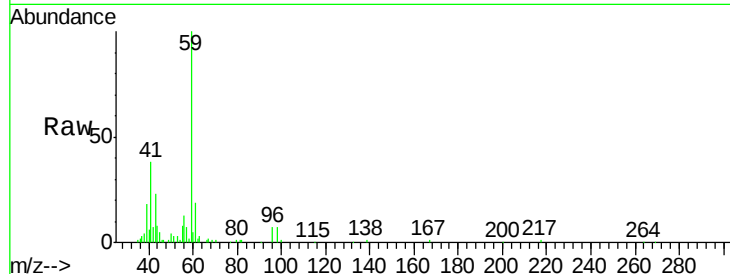
#17
 tert-Butyl alcohol
 Concen: 1.03 ppbv m
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Instrument :
 MSVOA_L
 ClientSampleID :
 INFLUENTDL

Tot Ion: 59 Resp: 104146
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

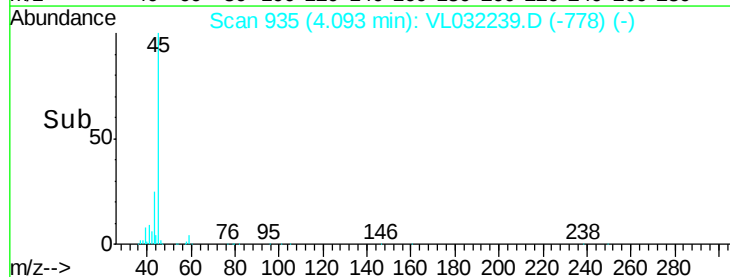
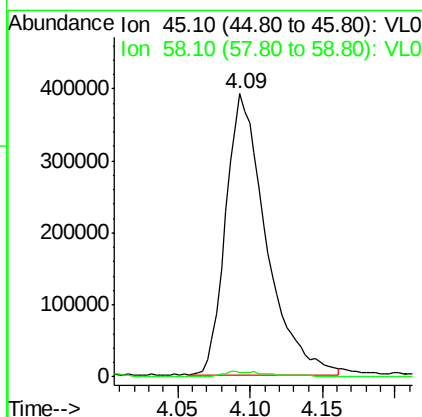
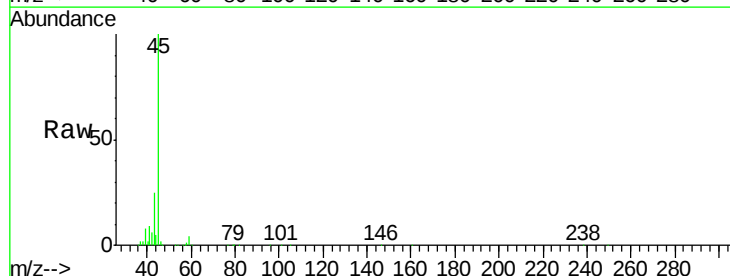
Manual Integrations
 APPROVED

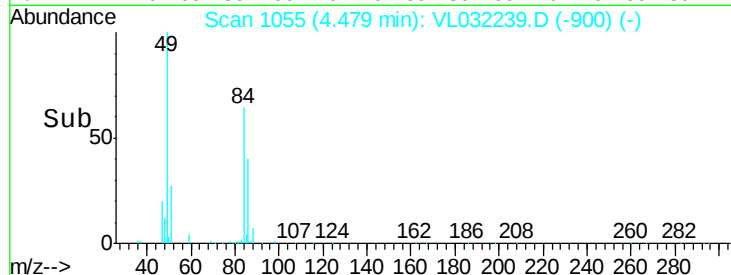
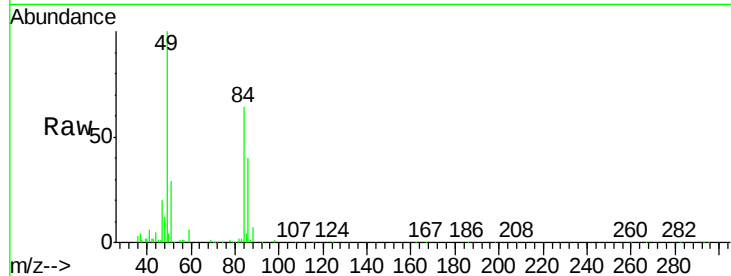
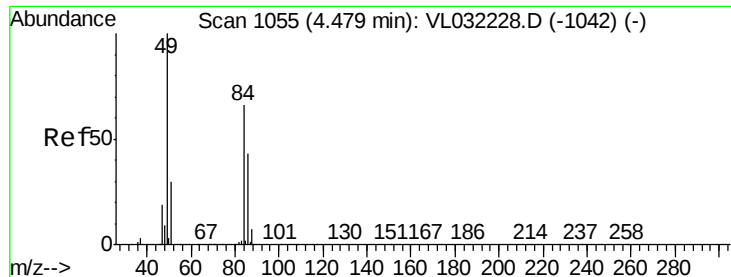
MMDadoda
 7/13/2018 5:22:19 PM



#19
 Isopropyl Alcohol
 Concen: 5.30 ppbv
 RT: 4.09 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Tgt Ion: 45 Resp: 755460
 Ion Ratio Lower Upper
 45 100
 58 2.3 1.3 1.9#





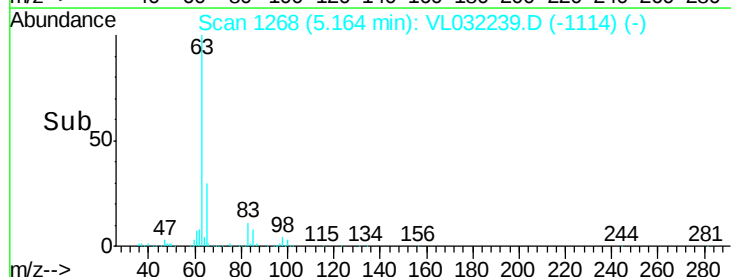
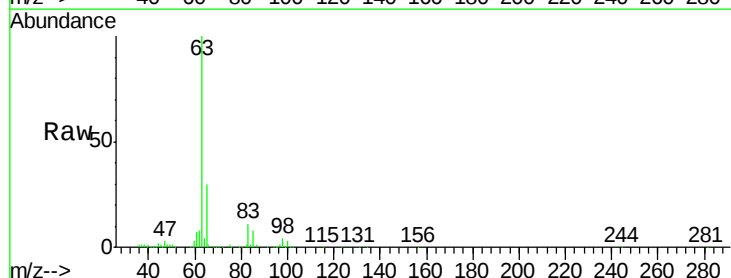
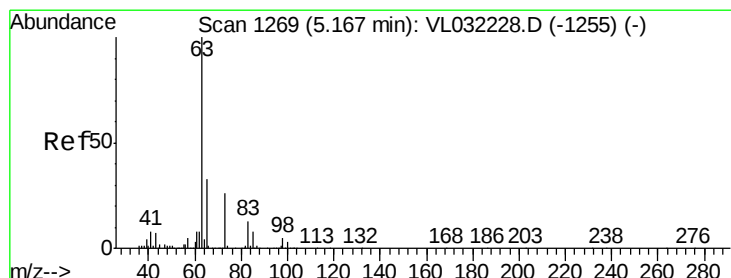
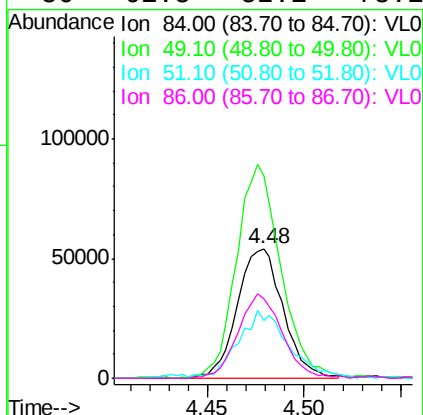
#20
Methvlene Chloride
Concen: 1.21 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Tot Ion	Ratio	Lower	Upper
84	100		
49	156.0	121.8	182.6
51	43.6	36.3	54.5
86	61.8	52.1	78.1

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

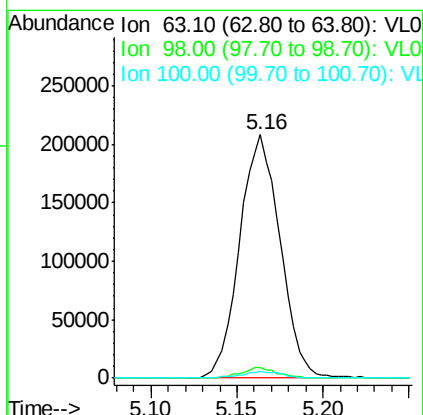
Manual Integrations
APPROVED

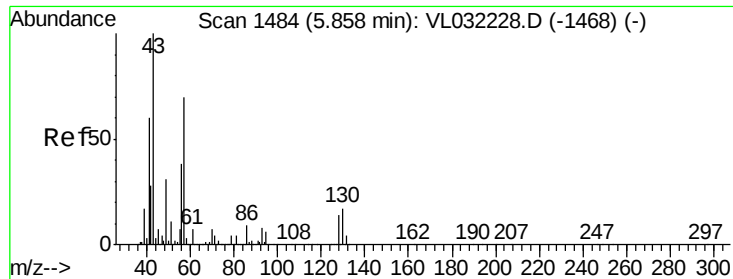
MMDadoda
7/13/2018 5:22:19 PM



#24
1,1-Dichloroethane
Concen: 1.34 ppbv
RT: 5.16 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	2.9	1.5	4.4





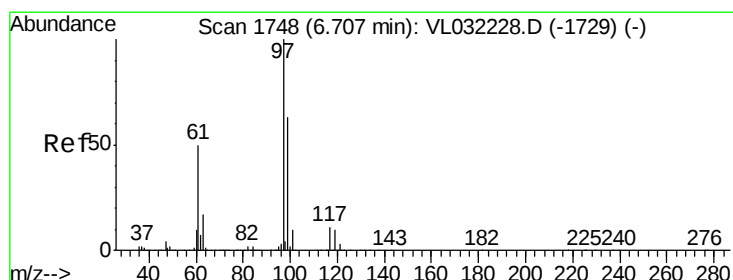
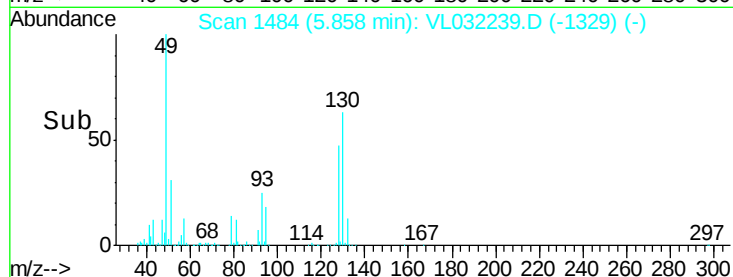
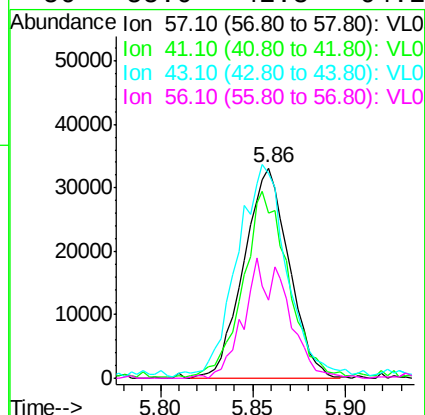
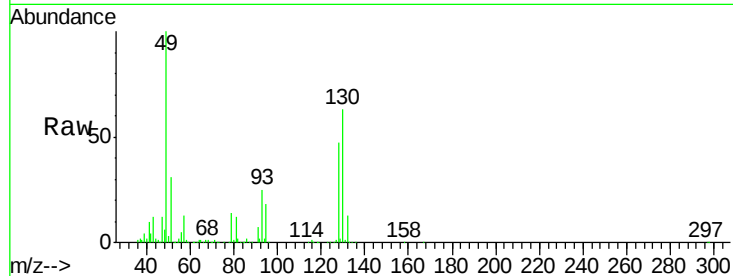
#26
Hexane
Concen: 0.29 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	88.8	68.7	103.1
43	110.7	176.2	264.2#
56	55.0	42.8	64.2

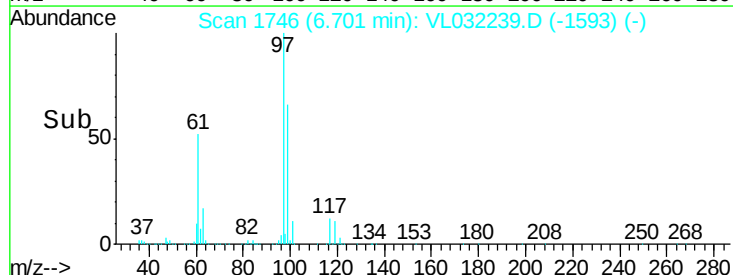
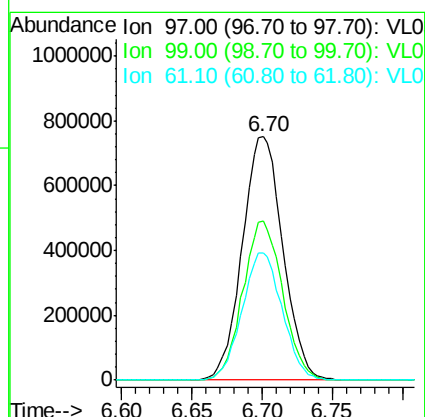
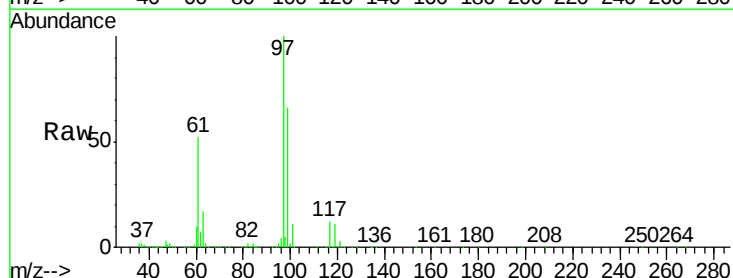
Manual Integrations
APPROVED

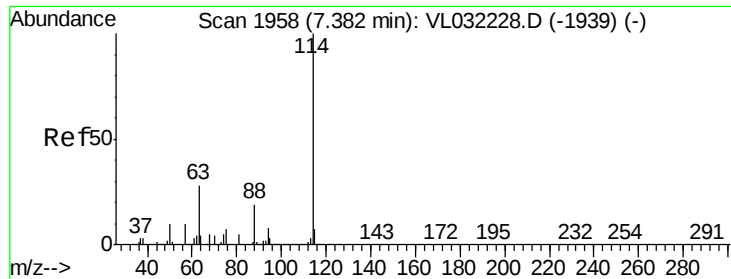
MMDadoda
7/13/2018 5:22:19 PM



#32
1,1,1-Trichloroethane
Concen: 5.16 ppbv
RT: 6.70 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	51.7	41.3	61.9





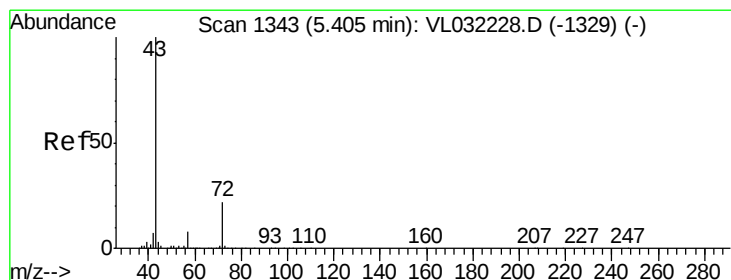
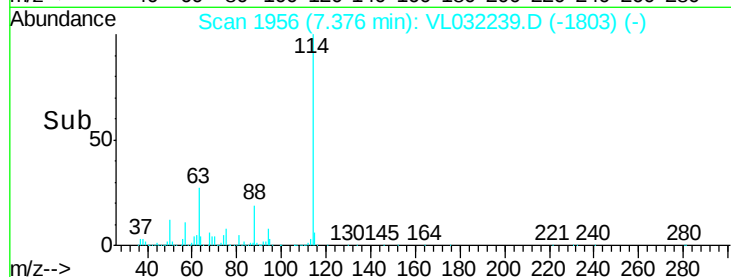
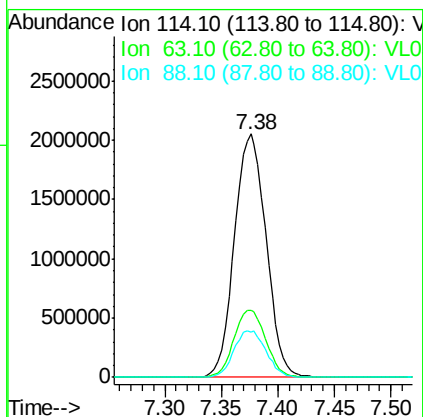
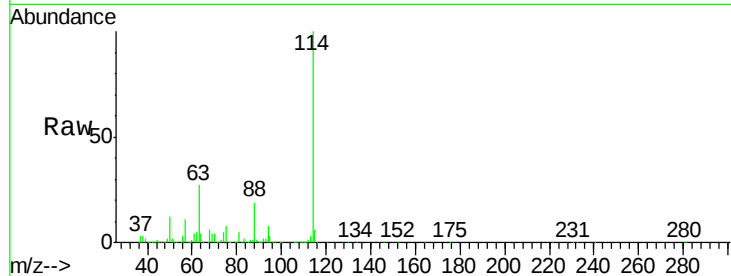
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.5	33.7
88	19.5	15.4	23.0

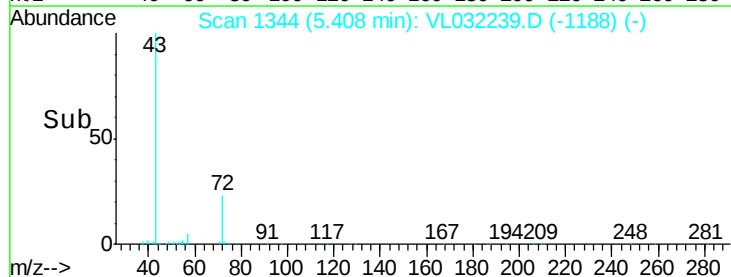
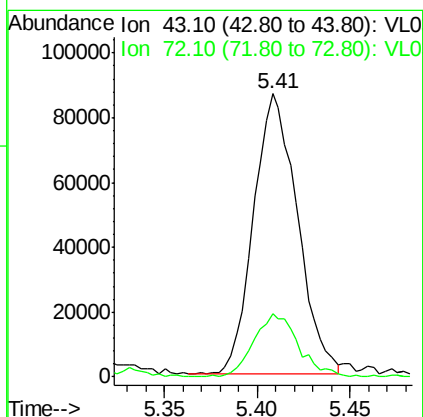
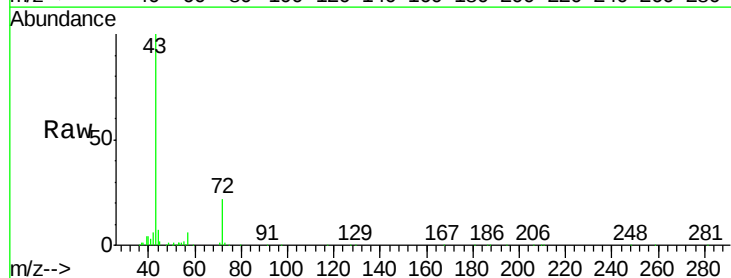
Manual Integrations
 APPROVED

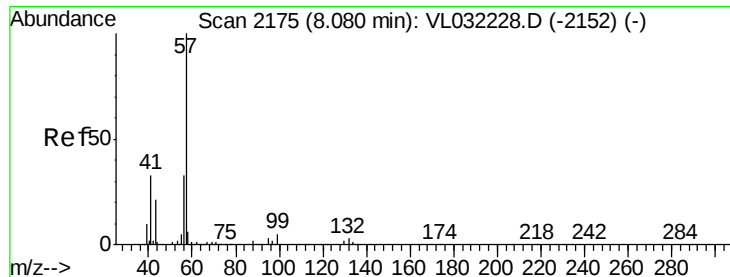
MMDadoda
 7/13/2018 5:22:19 PM



#34
 2-Butanone
 Concen: 0.52 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.1	27.1





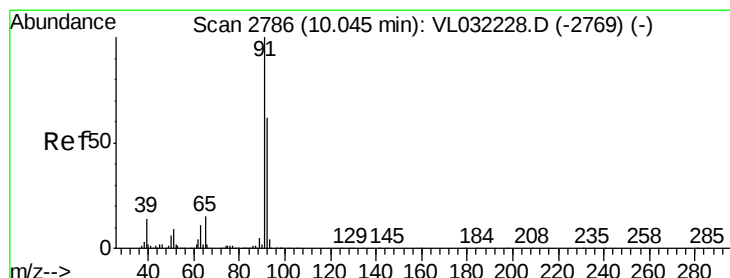
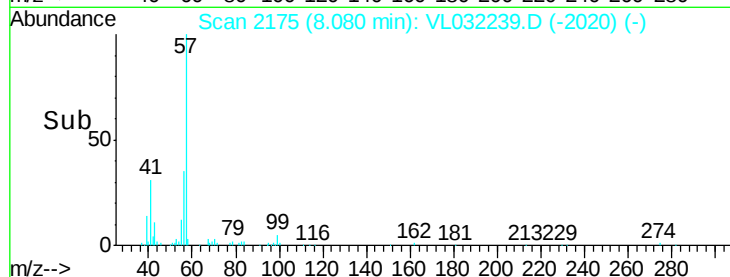
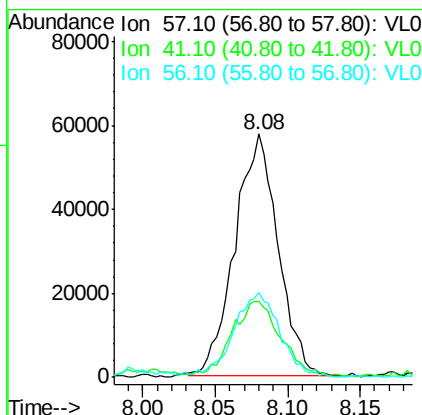
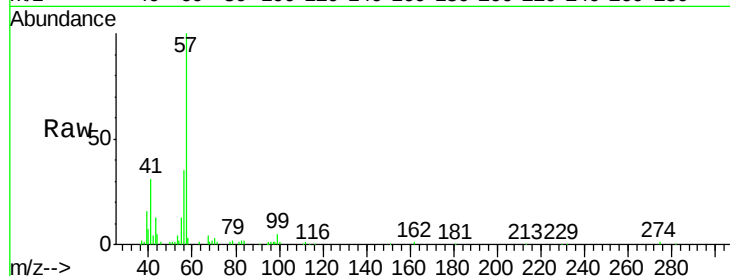
#44
 2,2,4-Trimethylpentane
 Concen: 0.17 ppbv
 RT: 8.08 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	36.0	24.7	37.1
56	37.9	25.4	38.0

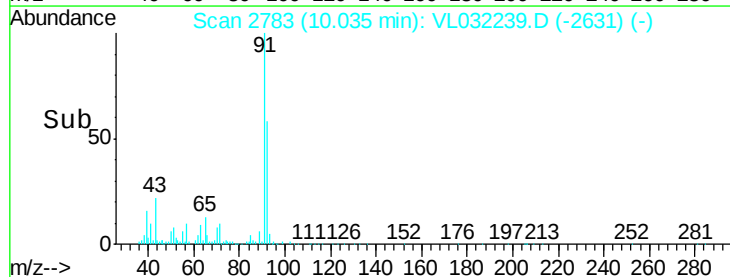
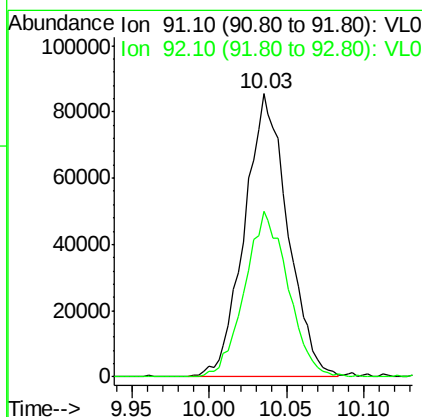
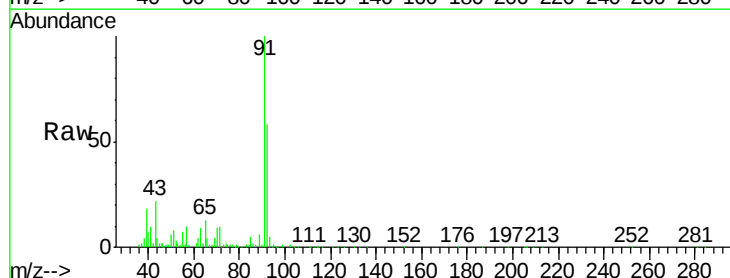
Manual Integrations
 APPROVED

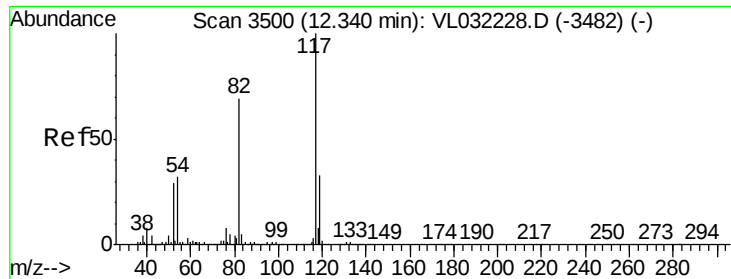
MMDadoda
 7/13/2018 5:22:19 PM



#53
 Toluene
 Concen: 0.35 ppbv
 RT: 10.03 min Scan# 2783
 Delta R.T. -0.01 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	49.0	73.4





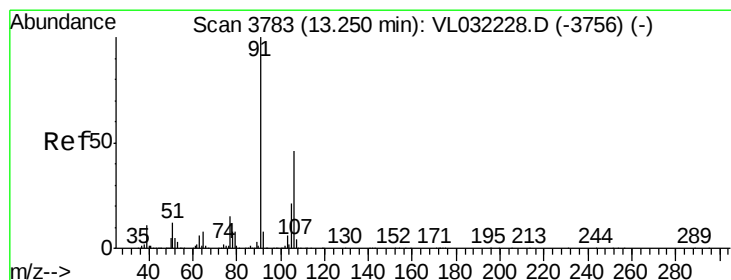
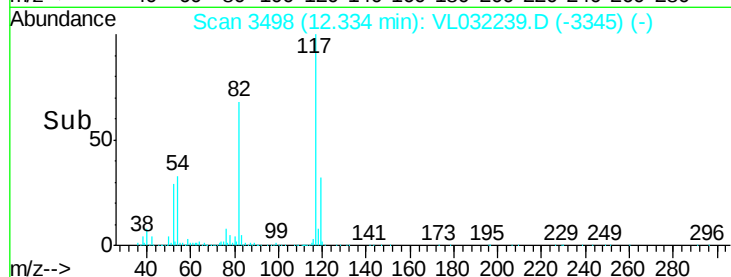
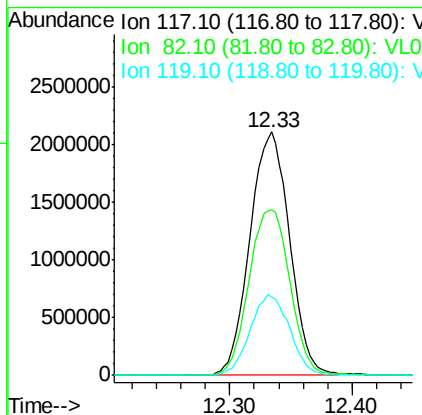
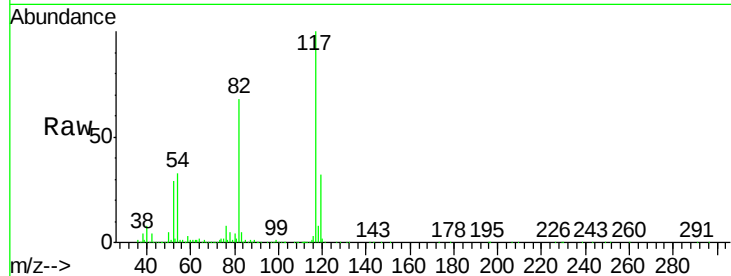
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.2	79.8
119	33.1	43.9	65.9

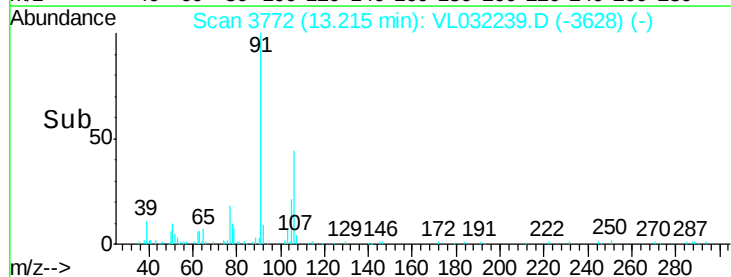
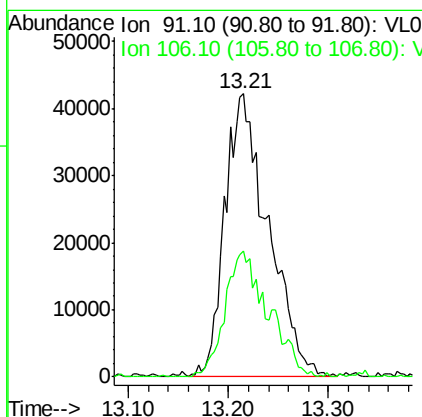
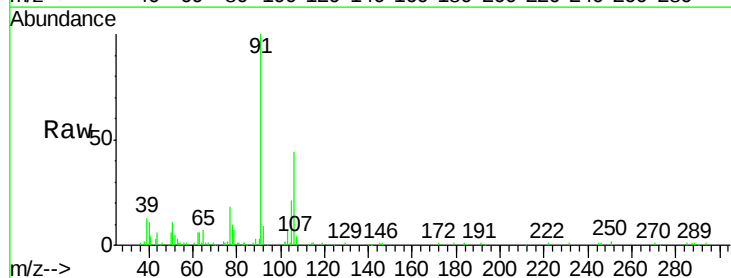
Manual Integrations
APPROVED

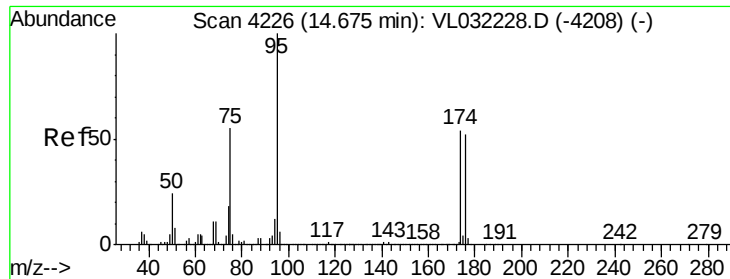
MMDadoda
7/13/2018 5:22:19 PM



#59
m/p-Xylene
Concen: 0.22 ppbv m
RT: 13.21 min Scan# 3772
Delta R.T. -0.04 min
Lab File: VL032239.D
Acq: 13 Jul 2018 6:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6





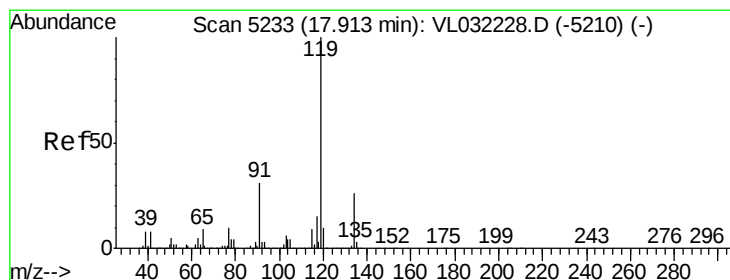
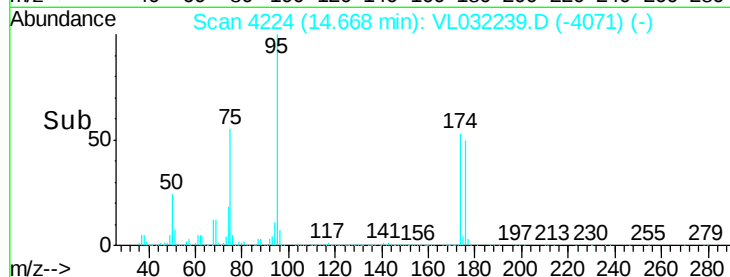
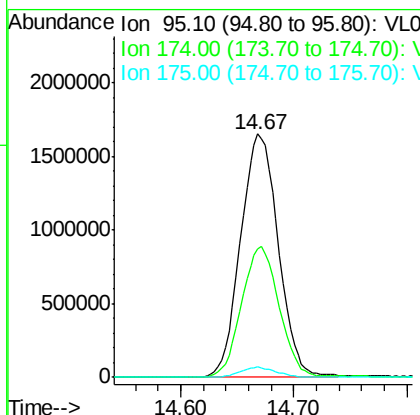
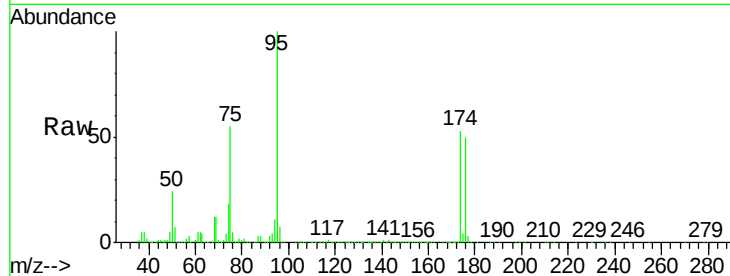
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.43 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.01 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion: 95 Resp: 3833430
 Ion Ratio Lower Upper
 95 100
 174 54.7 44.6 67.0
 175 4.1 3.3 4.9

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:19 PM



#69
 p-Isopropyltoluene
 Concen: 0.25 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.01 min
 Lab File: VL032239.D
 Acq: 13 Jul 2018 6:16

Tgt Ion: 119 Resp: 185337
 Ion Ratio Lower Upper
 119 100
 134 23.7 20.1 30.1
 91 33.9 24.2 36.2

