

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034443.D
 Acq On : 3 Dec 2019 1:55
 Operator : SY/AP
 Sample : K6097-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1ADL

Manual Integrations
 APPROVED

apatel
 12/4/2019 4:47:44 PM

Quant Time: Dec 03 04:30:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	745445	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1436569	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1398502	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1211647	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	9213m	0.223	ppbv	
13) Ethanol	3.60	45	78332	6.810	ppbv	92
15) Acetone	3.86	43	91181m	0.854	ppbv	
19) Isopropyl Alcohol	3.99	45	35660	0.521	ppbv #	96
20) Methylene Chloride	4.35	84	24136	0.638	ppbv	97
26) Hexane	5.71	57	20712	0.253	ppbv #	45
38) Trichloroethene	7.87	130	18028m	0.306	ppbv	
53) Toluene	9.86	91	27529m	0.169	ppbv	

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

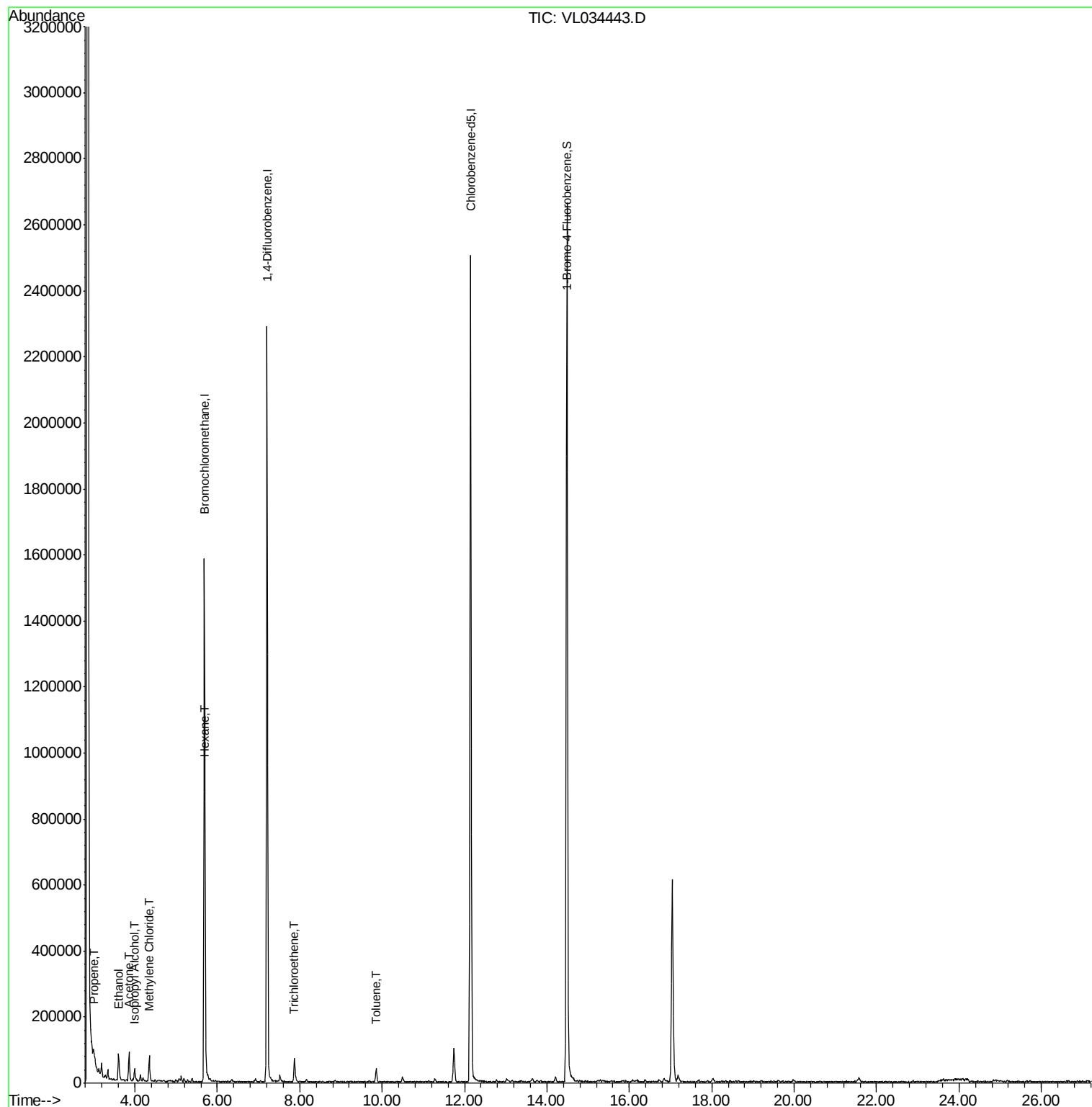
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
Data File : VL034443.D
Acq On : 3 Dec 2019 1:55
Operator : SY/AP
Sample : K6097-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

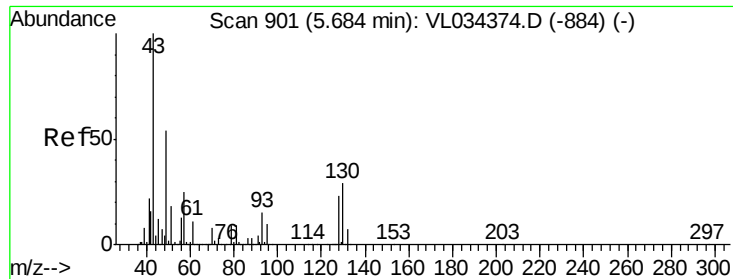
Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Manual Integrations
APPROVED

apatel
12/4/2019 4:47:44 PM

Quant Time: Dec 03 04:30:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034443.D

Acq: 3 Dec 2019 1:55

Instrument :

MSVOA_L

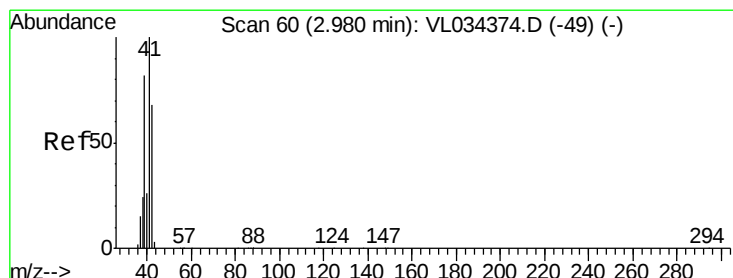
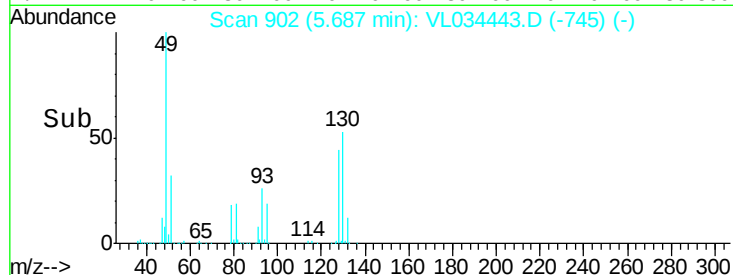
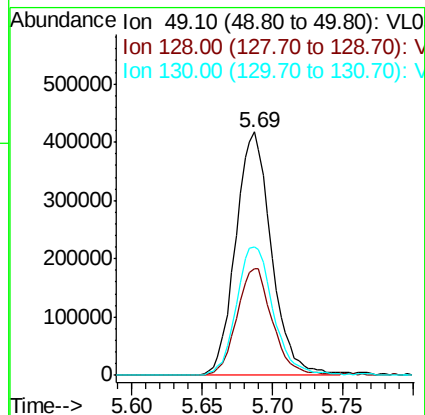
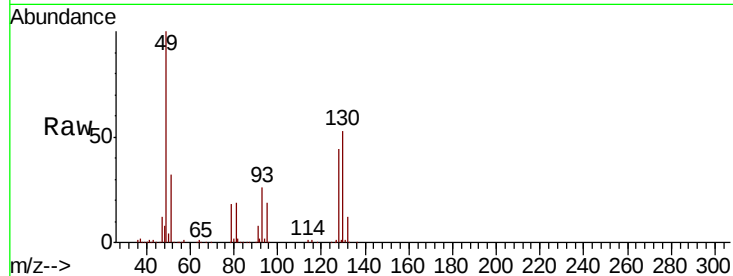
ClientSampleId :

IA-1ADL

Tot Ion:	49	Resp:	745445
Ion	Ratio	Lower	Upper
49	100		
128	44.0	21.8	65.3
130	54.8	28.0	84.0

Manual Integrations
APPROVED

apatel
12/4/2019 4:47:44 PM



#9

Propene

Concen: 0.223 ppbv m

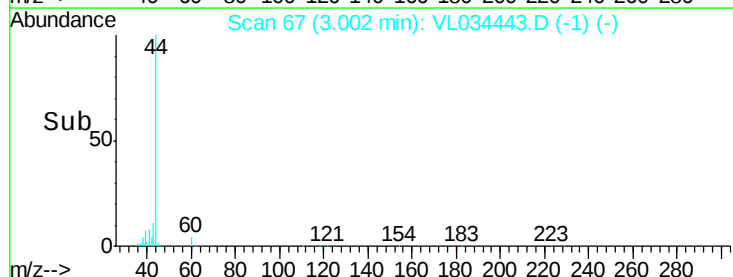
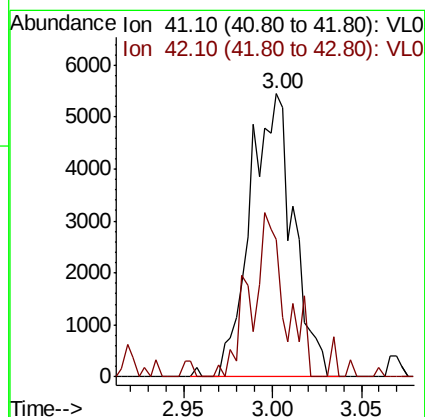
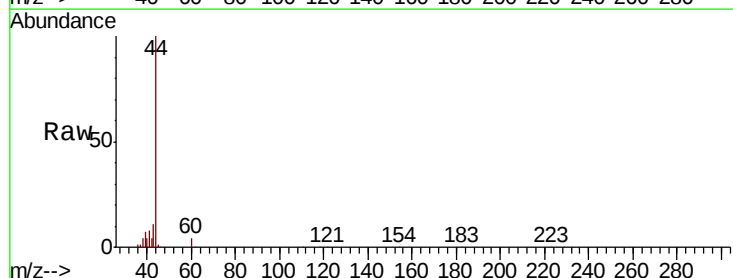
RT: 3.00 min Scan# 67

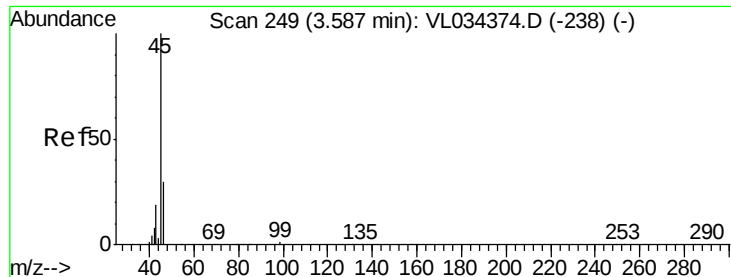
Delta R.T. 0.02 min

Lab File: VL034443.D

Acq: 3 Dec 2019 1:55

Tgt Ion:	41	Resp:	9213
Ion	Ratio	Lower	Upper
41	100		
42	45.1	54.6	82.0#





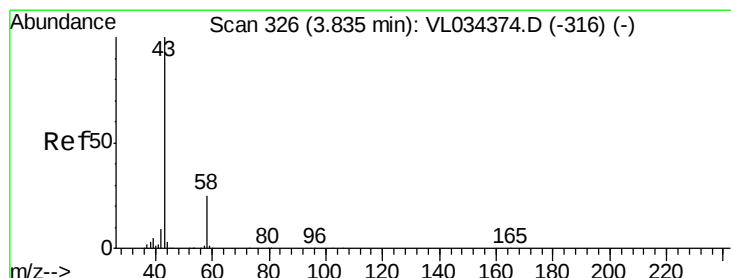
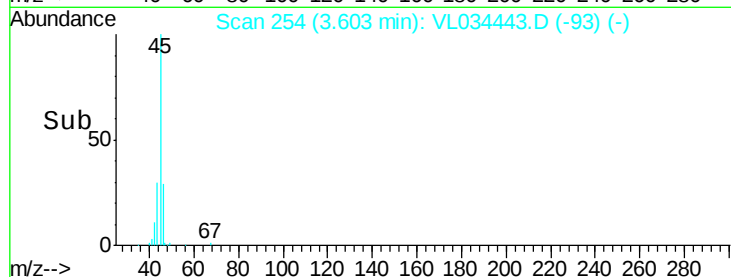
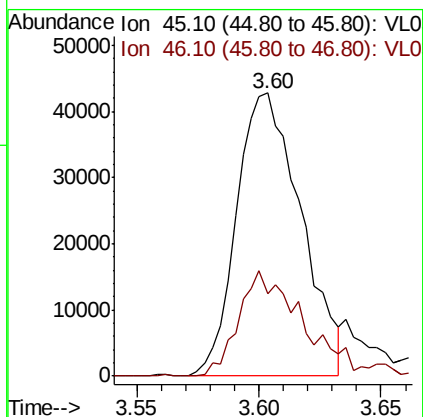
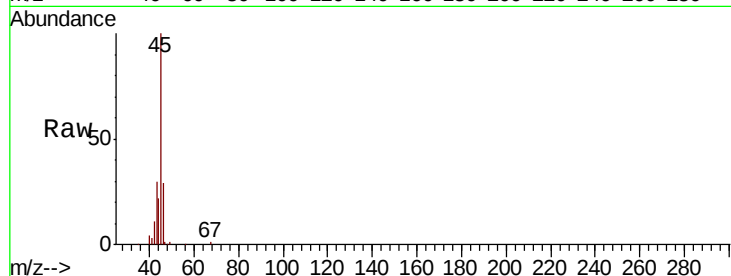
#13
Ethanol
Concen: 6.810 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.02 min
Lab File: VL034443.D
Acq: 3 Dec 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Tot Ion	45	Resp	78332
Ion Ratio	100	Lower	Upper
46	39.0	13.8	55.4

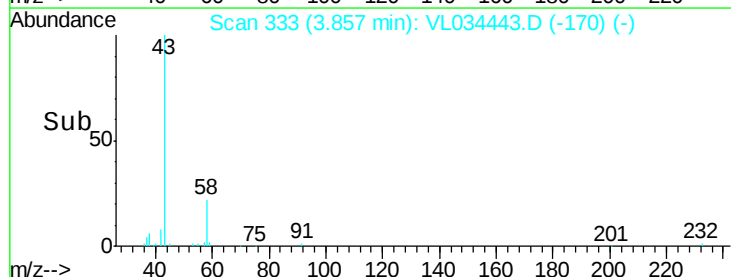
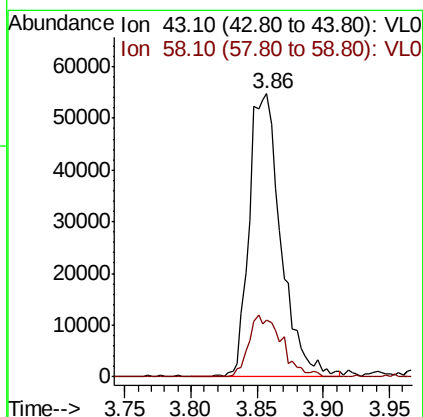
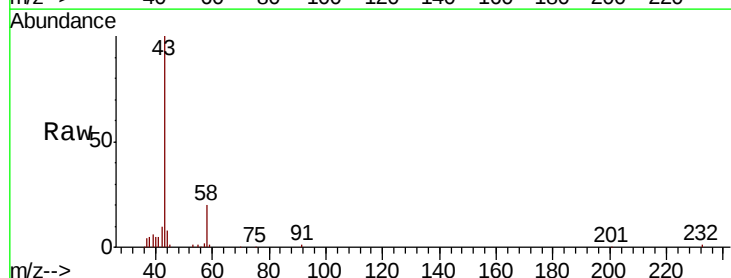
Manual Integrations
APPROVED

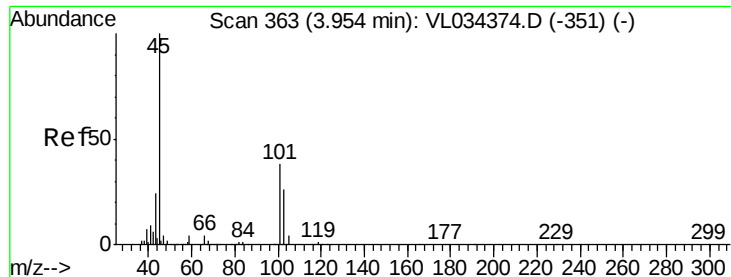
apatel
12/4/2019 4:47:44 PM



#15
Acetone
Concen: 0.854 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL034443.D
Acq: 3 Dec 2019 1:55

Tgt Ion	43	Resp	91181
Ion Ratio	100	Lower	Upper
58	22.6	20.2	30.4





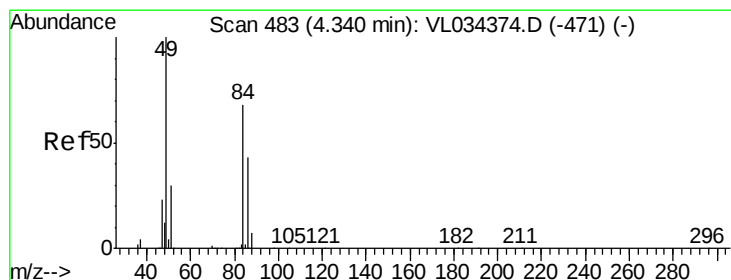
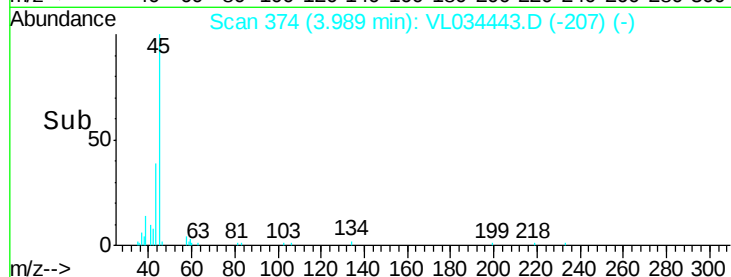
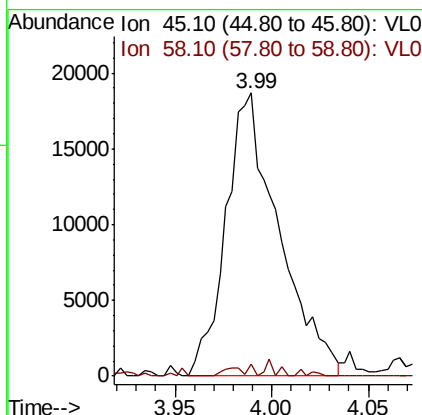
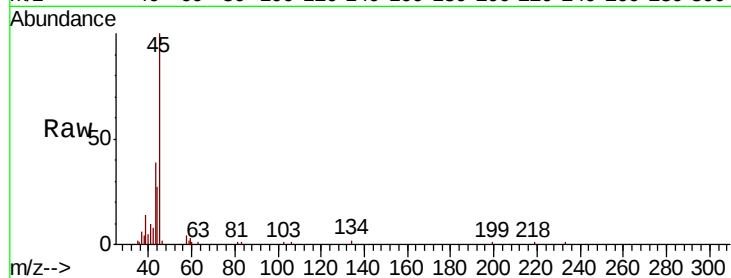
#19
Isopropyl Alcohol
Concen: 0.521 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL034443.D
Acq: 3 Dec 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Tot Ion: 45 Resp: 35660
Ion Ratio Lower Upper
45 100
58 3.1 1.3 1.9#

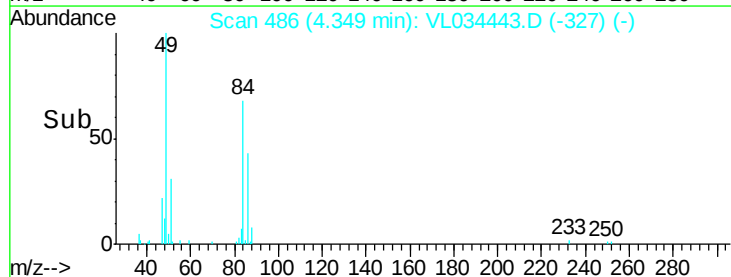
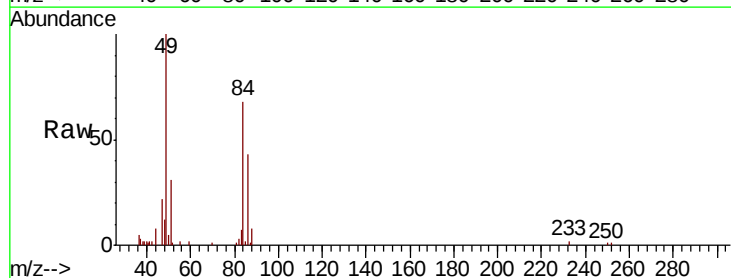
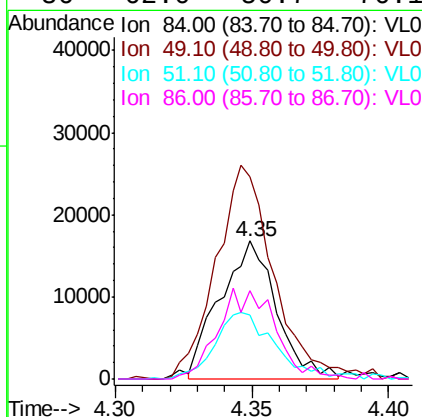
Manual Integrations
APPROVED

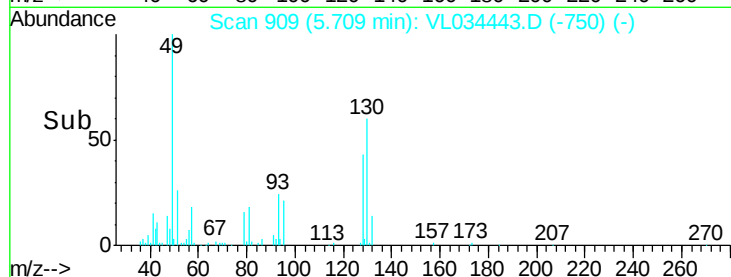
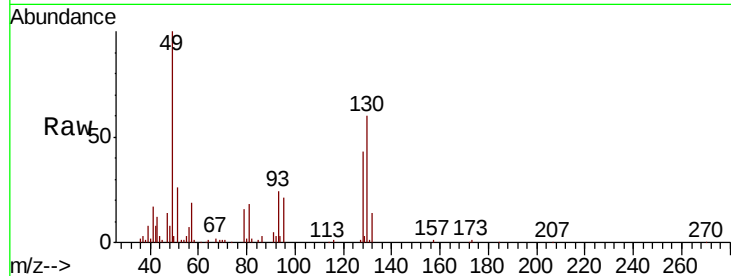
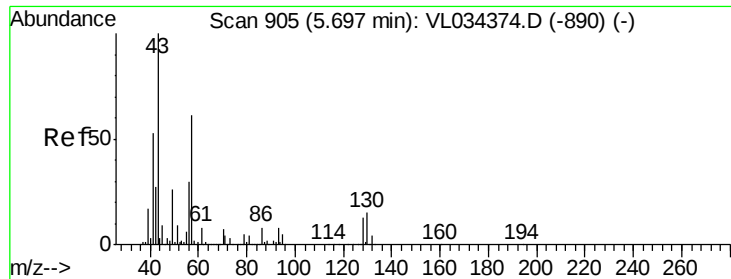
apatel
12/4/2019 4:47:44 PM



#20
Methylene Chloride
Concen: 0.638 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL034443.D
Acq: 3 Dec 2019 1:55

Tgt Ion: 84 Resp: 24136
Ion Ratio Lower Upper
84 100
49 141.4 116.8 175.2
51 43.5 35.6 53.4
86 62.0 50.7 76.1





#26

Hexane

Concen: 0.253 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.01 min

Lab File: VL034443.D

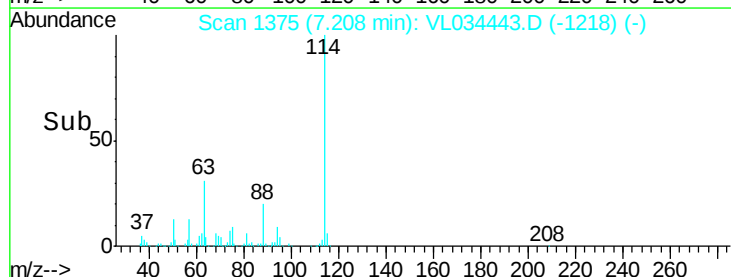
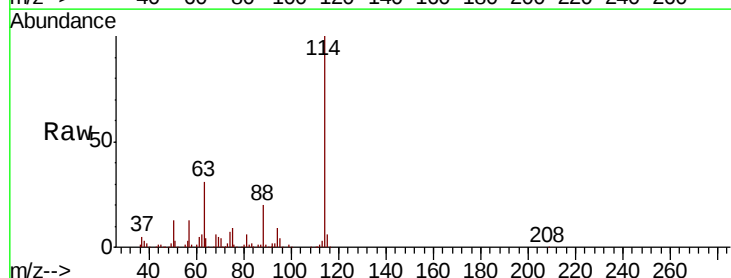
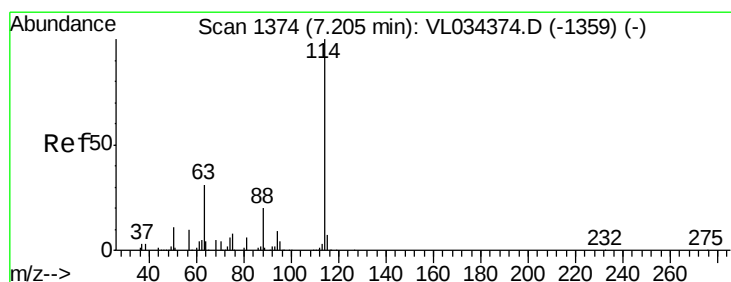
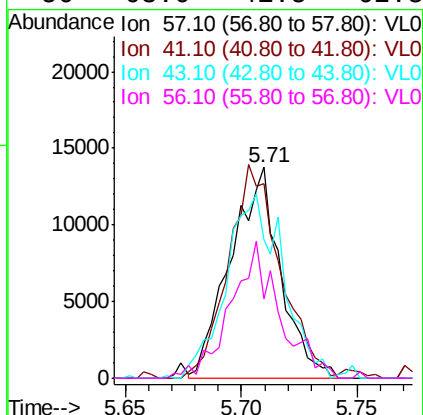
Acq: 3 Dec 2019 1:55

Tot Ion:	57	Resp:	20712
Ion Ratio	Lower	Upper	
57	100		
41	107.4	75.0	112.4
43	99.7	186.6	279.8#
56	63.0	41.5	62.3#

Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Manual Integrations
APPROVED

apatel
12/4/2019 4:47:44 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

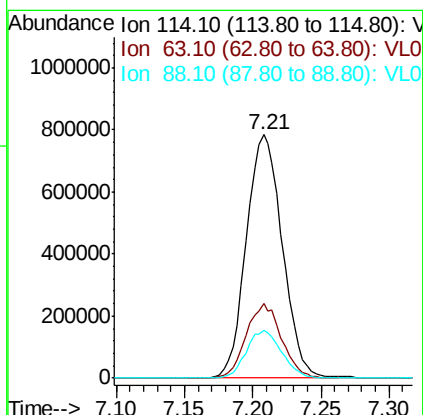
RT: 7.21 min Scan# 1375

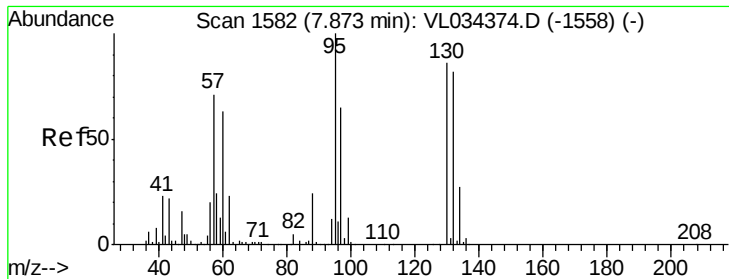
Delta R.T. 0.00 min

Lab File: VL034443.D

Acq: 3 Dec 2019 1:55

Tgt Ion:	114	Resp:	1436569
Ion Ratio	Lower	Upper	
114	100		
63	30.0	24.2	36.4
88	19.4	15.9	23.9





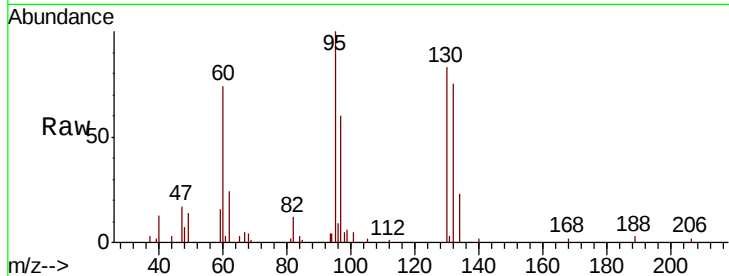
#38
 Trichloroethene
 Concen: 0.306 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VL034443.D
 Acq: 3 Dec 2019 1:55

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1ADL

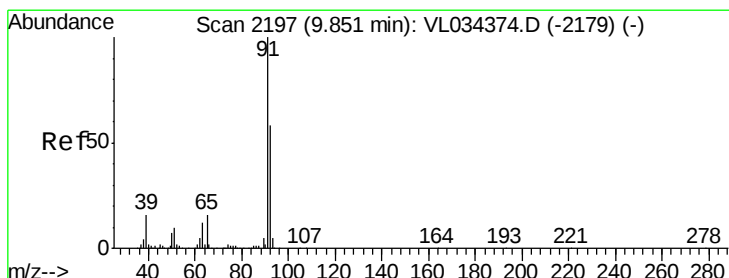
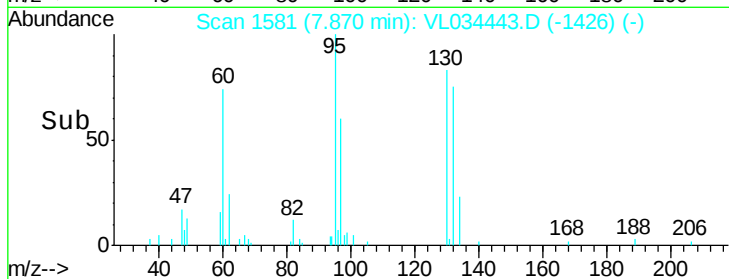
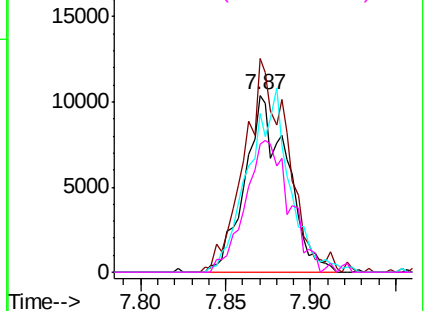
Tot Ion:	130	Resp:	18028
Ion Ratio	Lower	Upper	
130	100		
95	120.9	93.4	140.0
132	90.1	76.4	114.6
97	72.5	61.1	91.7

Manual Integrations
 APPROVED

apatel
 12/4/2019 4:47:44 PM

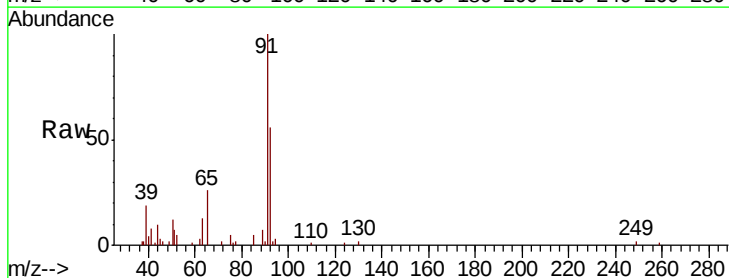


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

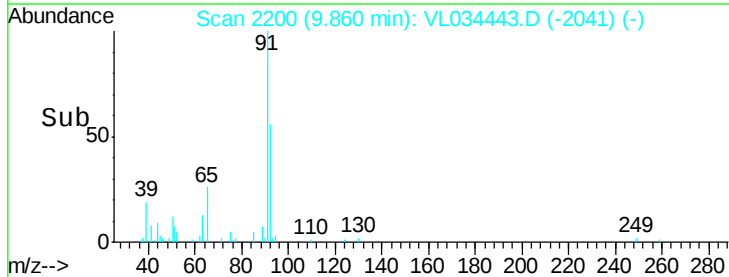
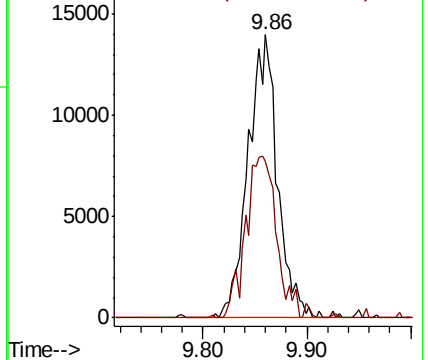


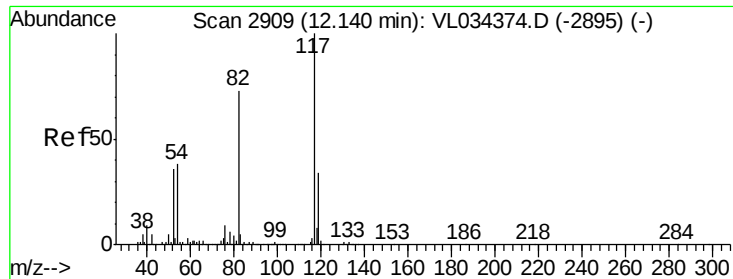
#53
 Toluene
 Concen: 0.169 ppbv m
 RT: 9.86 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VL034443.D
 Acq: 3 Dec 2019 1:55

Tgt Ion:	91	Resp:	27529
Ion Ratio	Lower	Upper	
91	100		
92	0.0	47.9	71.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





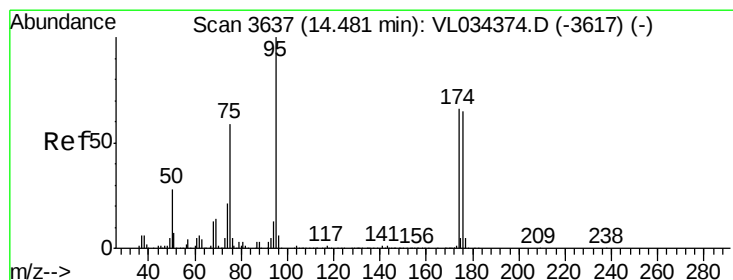
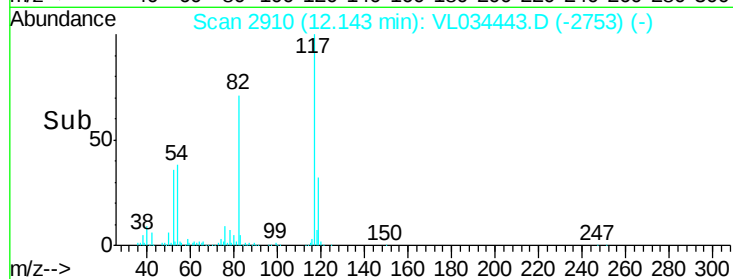
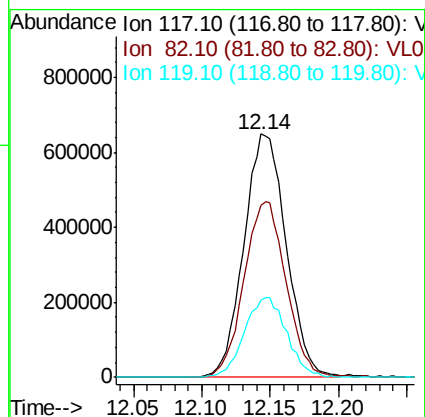
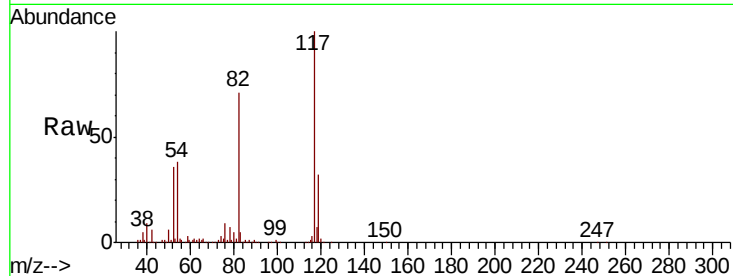
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034443.D
Acq: 3 Dec 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.2	57.5	86.3
119	32.7	25.4	38.2

Manual Integrations
APPROVED

apatel
12/4/2019 4:47:44 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.298 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034443.D
Acq: 3 Dec 2019 1:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.2	78.2
175	4.7	3.8	5.8

