

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036170.D
 Acq On : 16 Dec 2020 17:21
 Operator : SY/AP
 Sample : L5041-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:56:01 PM

Quant Time: Dec 17 06:39:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1316062	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2766933	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2473153	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2116515	10.78	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Chloroethane	3.55	64	6846m	0.245	ppbv	
9) Propene	3.00	41	9807m	0.130	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	18580m	0.152	ppbv	
13) Ethanol	3.61	45	55738m	5.375	ppbv	
15) Acetone	3.84	43	93072	0.588	ppbv #	77
18) 1,1-Dichloroethene	4.28	96	12542m	0.231	ppbv	
19) Isopropyl Alcohol	3.97	45	150227m	1.554	ppbv	
20) Methylene Chloride	4.33	84	128208m	1.978	ppbv	
24) 1,1-Dichloroethane	4.99	63	211492	1.428	ppbv	97
26) Hexane	5.67	57	101311	0.712	ppbv #	39
32) 1,1,1-Trichloroethane	6.49	97	2100193	10.899	ppbv	98
38) Trichloroethene	7.82	130	4045m	0.046	ppbv	
52) Tetrachloroethene	11.22	164	5906m	0.070	ppbv	
53) Toluene	9.79	91	37618m	0.143	ppbv	

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

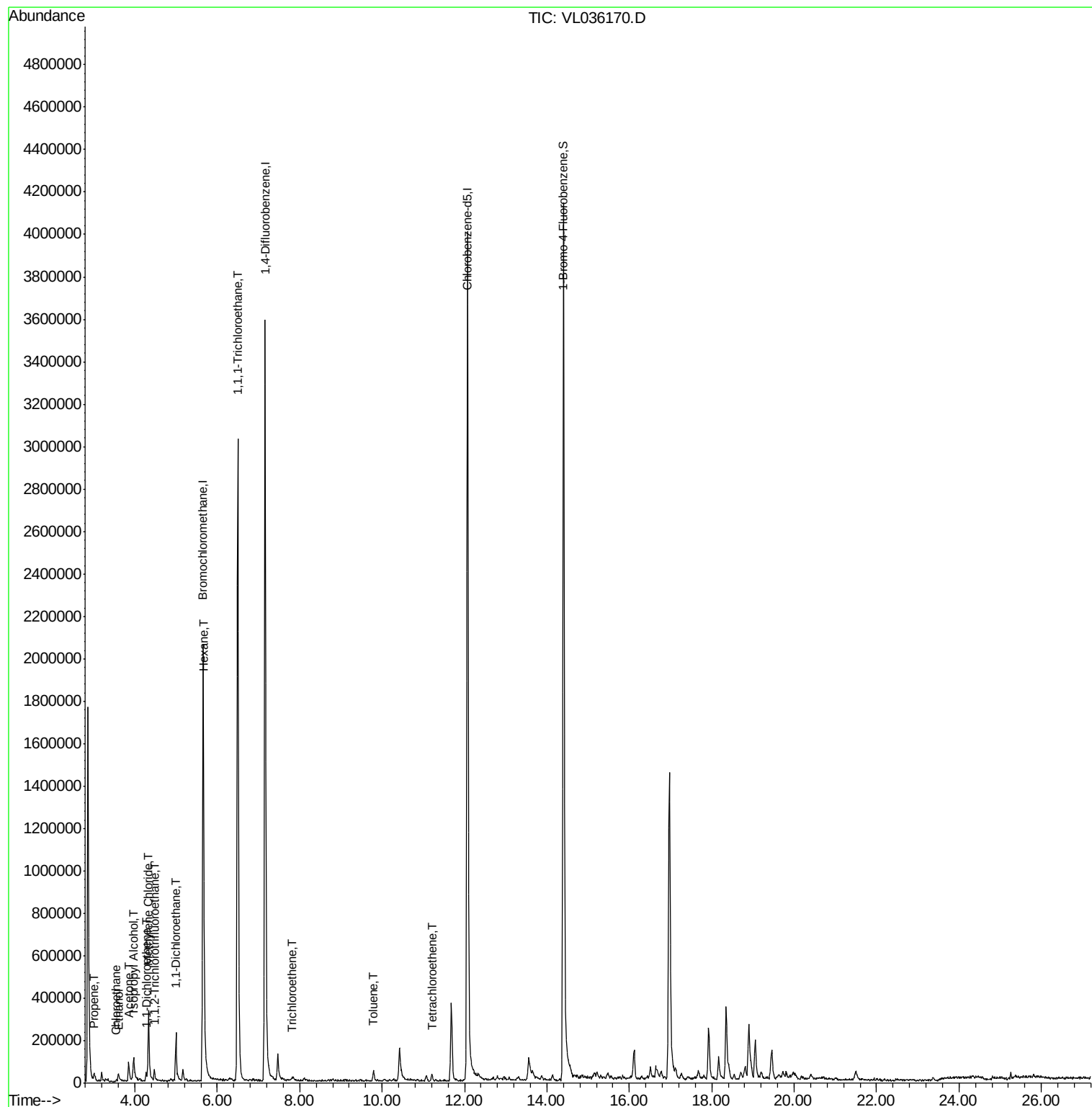
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036170.D
Acq On : 16 Dec 2020 17:21
Operator : SY/AP
Sample : L5041-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

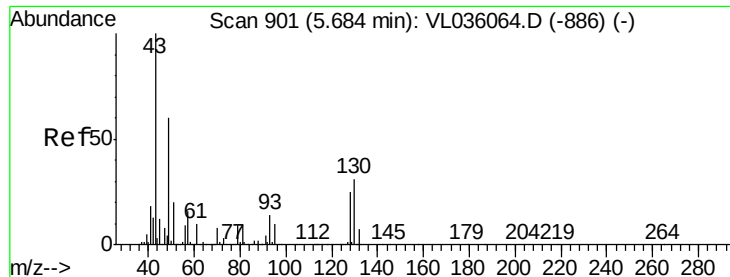
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:56:01 PM

Quant Time: Dec 17 06:39:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.04 min

Lab File: VL036170.D

Acq: 16 Dec 2020 17:21

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 49 Resp: 1316062

Ion Ratio Lower Upper

49 100

128 37.2 21.1 63.1

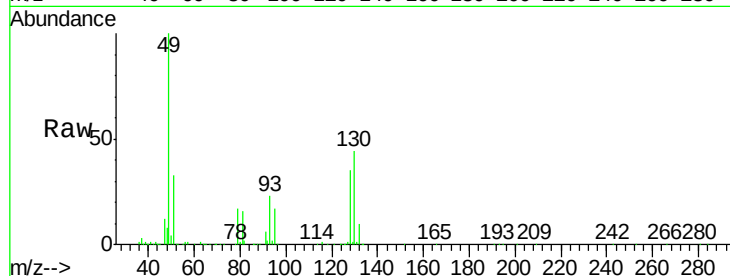
130 47.5 27.1 81.3

Manual Integrations

APPROVED

MMDadoda

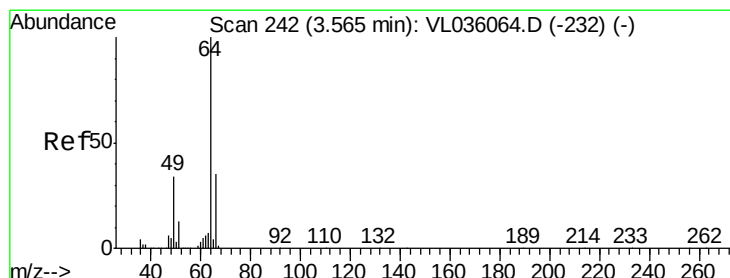
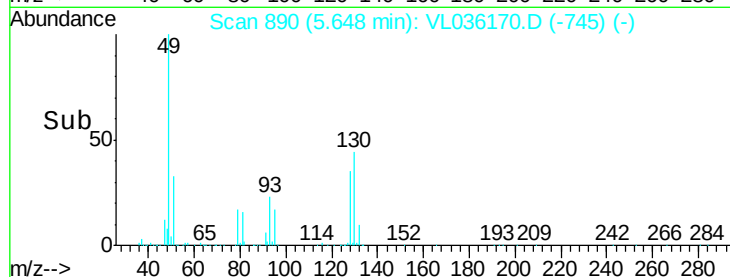
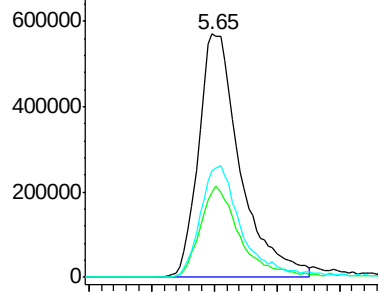
12/17/2020 3:56:01 PM



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: 0.245 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. -0.02 min

Lab File: VL036170.D

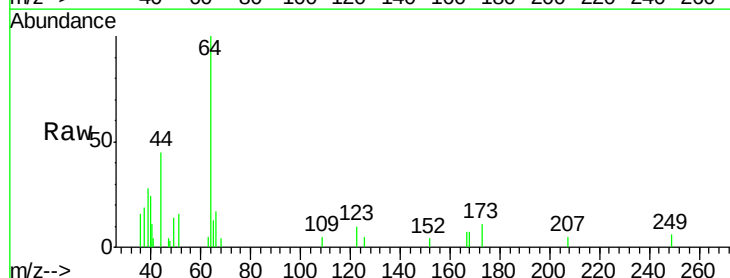
Acq: 16 Dec 2020 17:21

Tgt Ion: 64 Resp: 6846

Ion Ratio Lower Upper

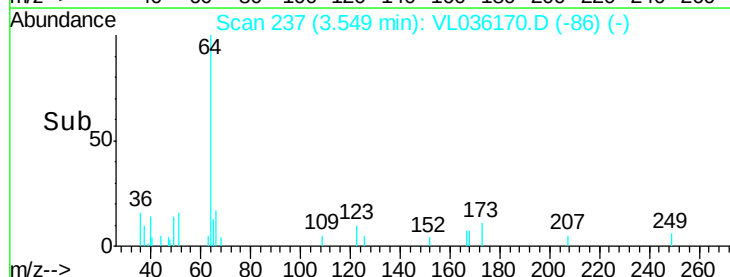
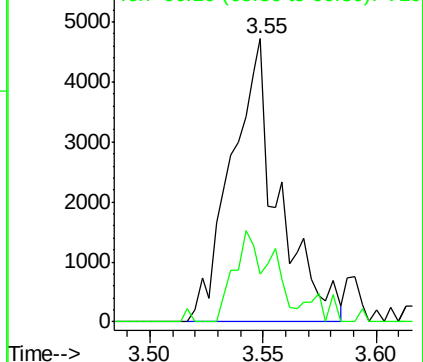
64 100

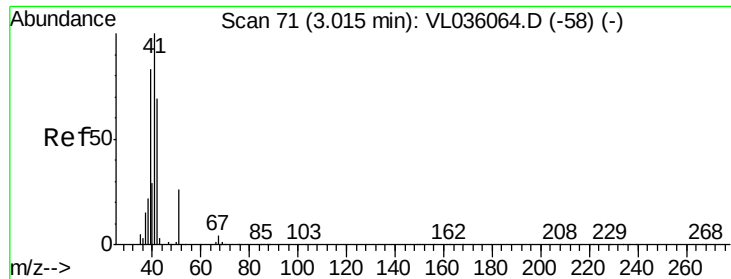
66 17.0 27.7 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 0.130 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036170.D

Acq: 16 Dec 2020 17:21

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 41 Resp: 9807

Ion Ratio Lower Upper

41 100

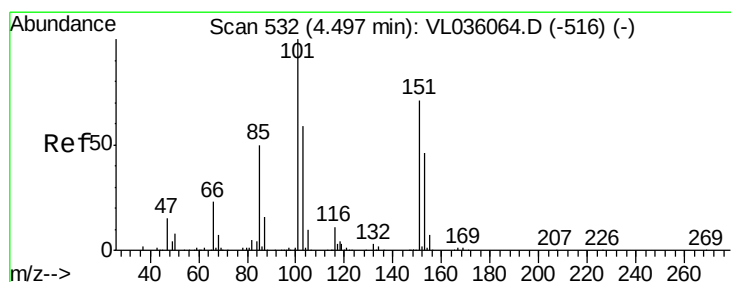
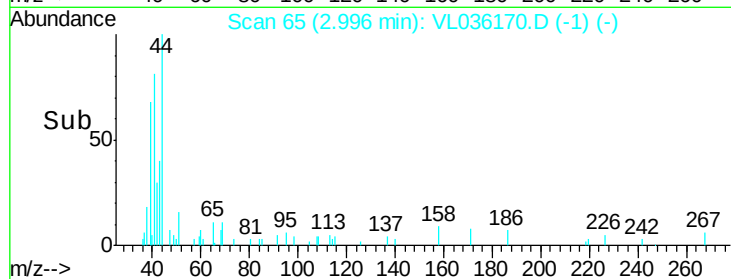
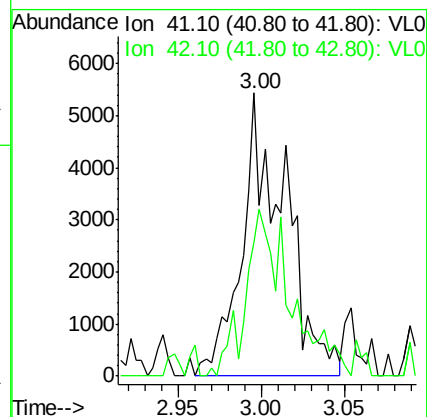
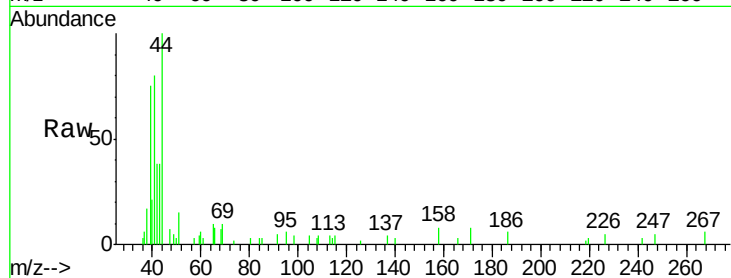
42 64.0 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

12/17/2020 3:56:01 PM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.152 ppbv m

RT: 4.47 min Scan# 524

Delta R.T. -0.03 min

Lab File: VL036170.D

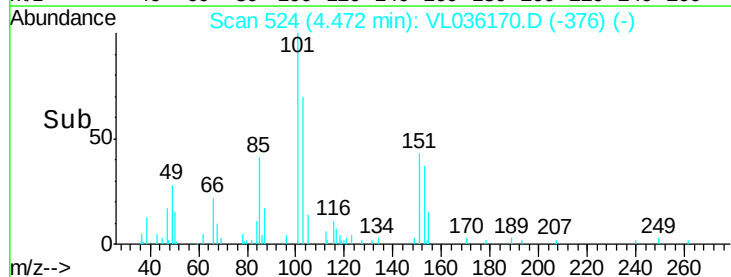
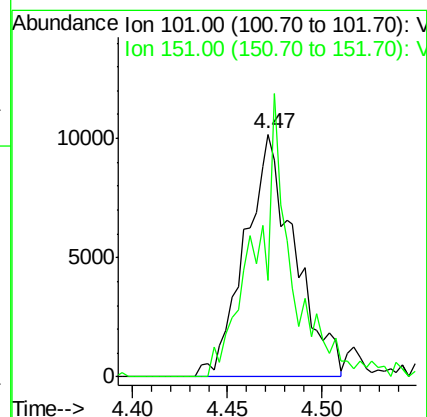
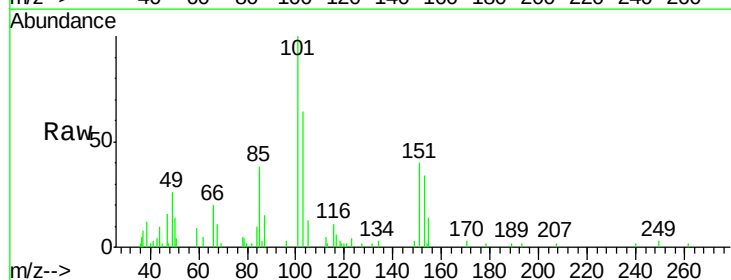
Acq: 16 Dec 2020 17:21

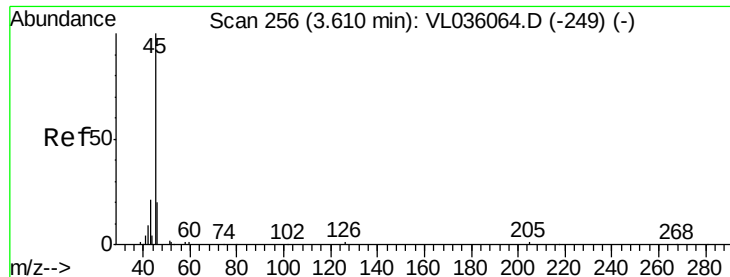
Tgt Ion: 101 Resp: 18580

Ion Ratio Lower Upper

101 100

151 85.7 59.3 88.9





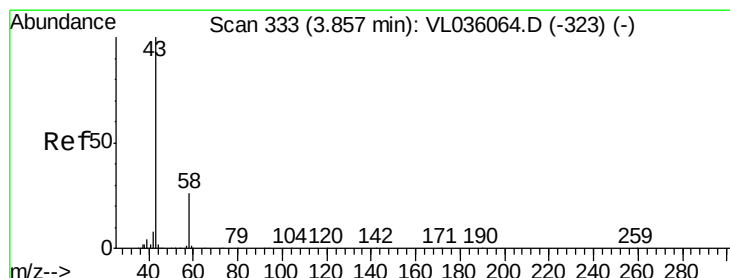
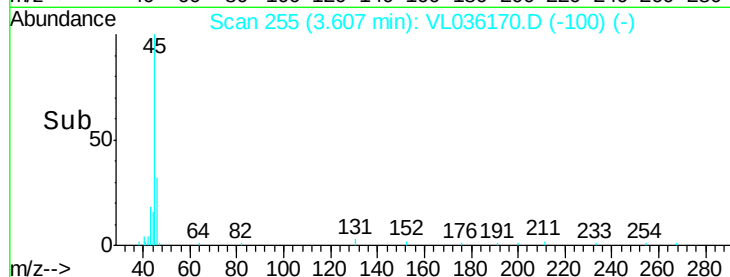
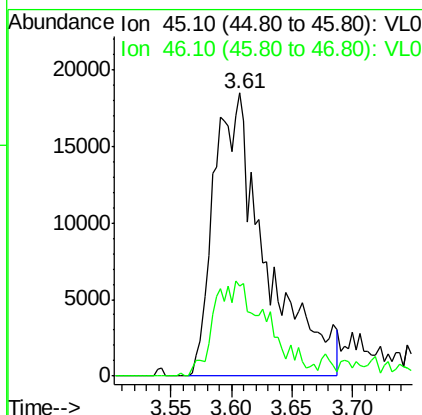
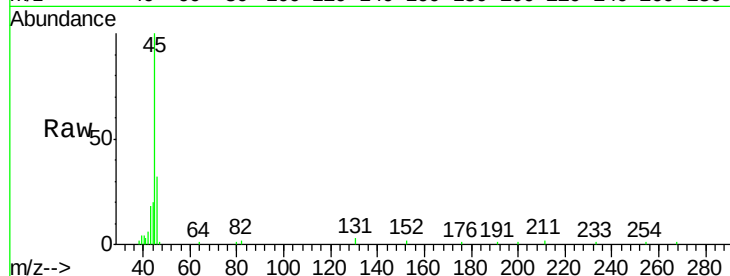
#13
Ethanol
Concen: 5.375 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 45 Resp: 55738
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#

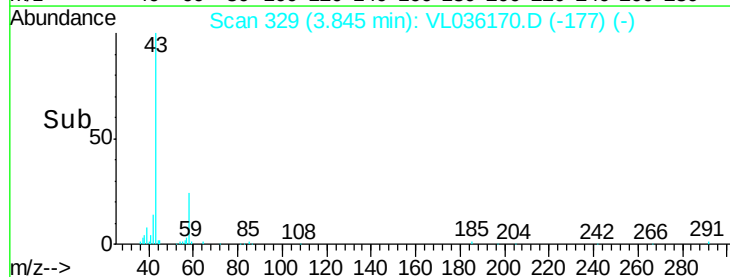
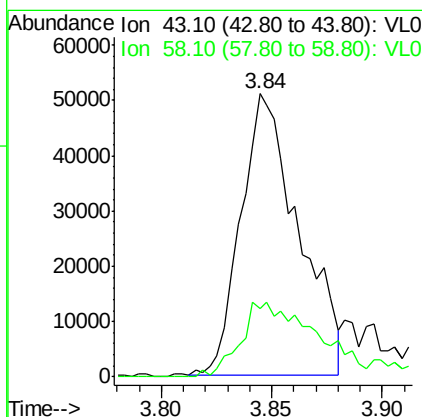
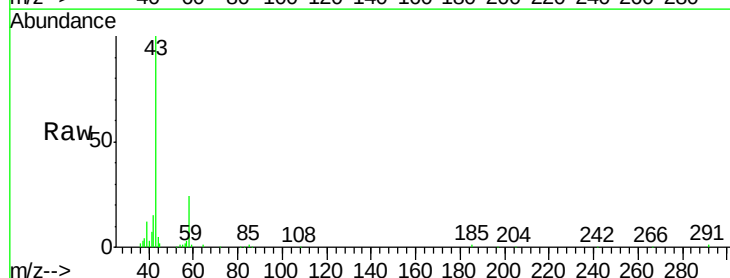
Manual Integrations
APPROVED

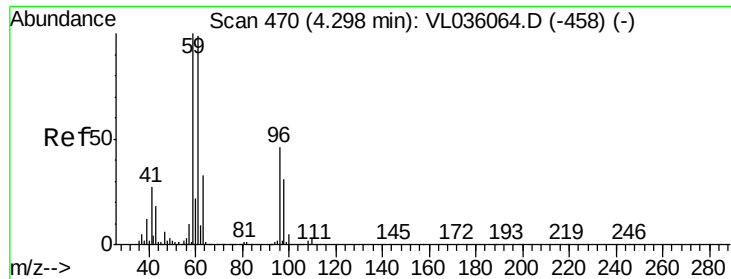
MMDadoda
12/17/2020 3:56:01 PM



#15
Acetone
Concen: 0.588 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Tgt Ion: 43 Resp: 93072
Ion Ratio Lower Upper
43 100
58 37.7 20.9 31.3#





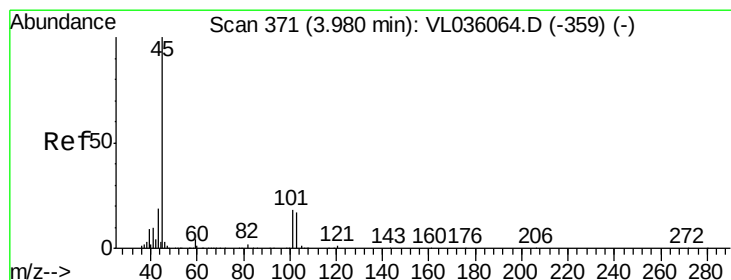
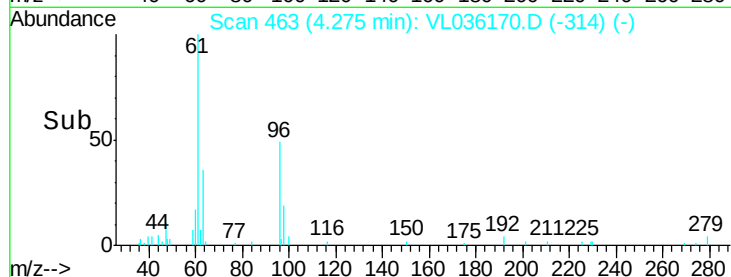
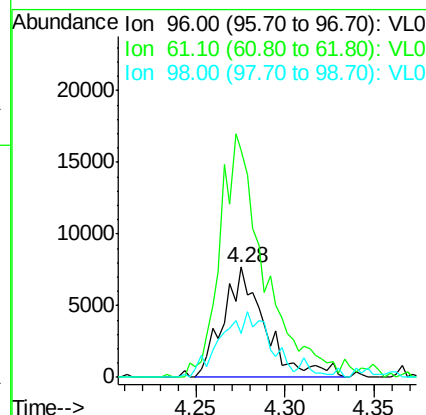
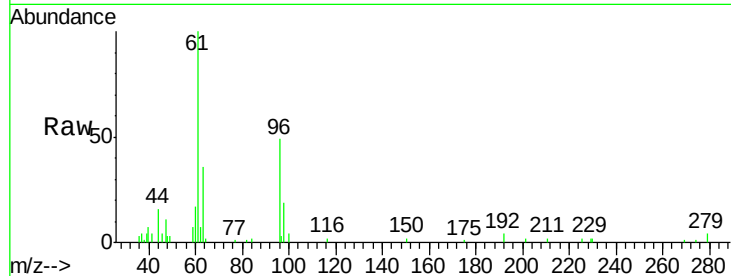
#18
 1,1-Dichloroethene
 Concen: 0.231 ppbv m
 RT: 4.28 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: VL036170.D
 Acq: 16 Dec 2020 17:21

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tgt Ion	Ratio	Lower	Upper
96	100		
61	205.4	171.4	257.2
98	39.8	54.2	81.2#

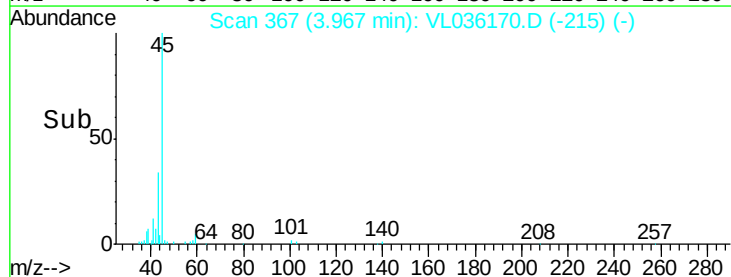
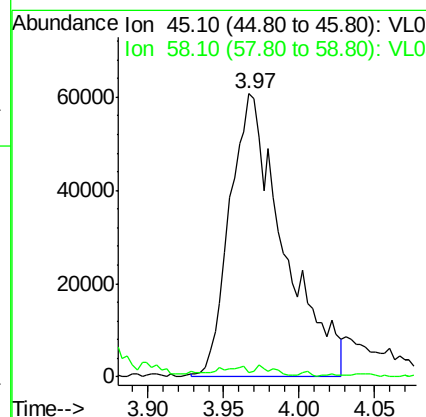
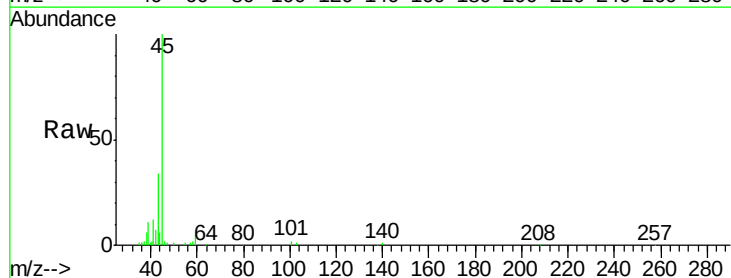
Manual Integrations
 APPROVED

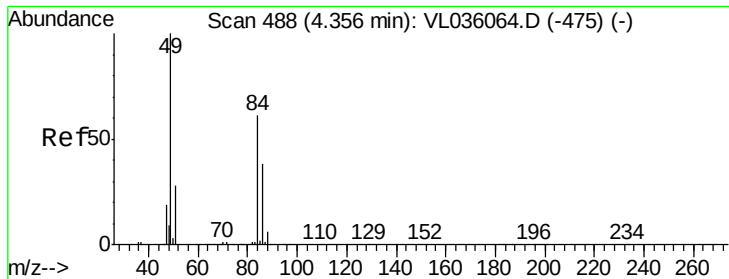
MMDadoda
 12/17/2020 3:56:01 PM



#19
 Isopropyl Alcohol
 Concen: 1.554 ppbv m
 RT: 3.97 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VL036170.D
 Acq: 16 Dec 2020 17:21

Tgt Ion	Ratio	Lower	Upper
45	100		
58	3.2	0.0	0.0#





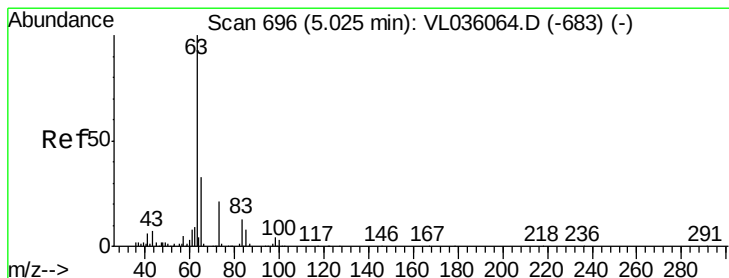
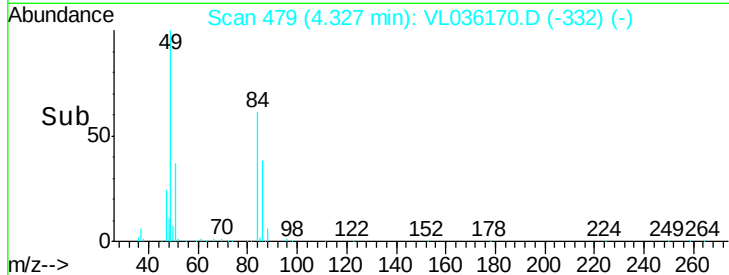
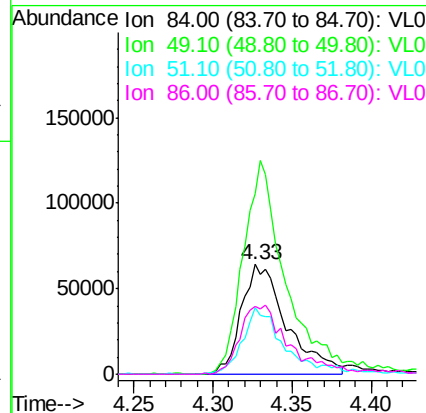
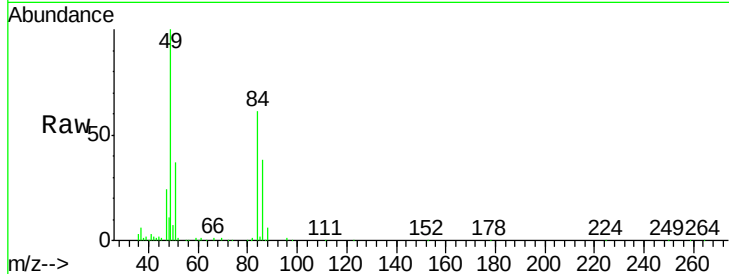
#20
Methylene Chloride
Concen: 1.978 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.03 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	164.5	128208	133.0	199.4
51	60.8		38.9	58.3#
86	62.5		48.8	73.2

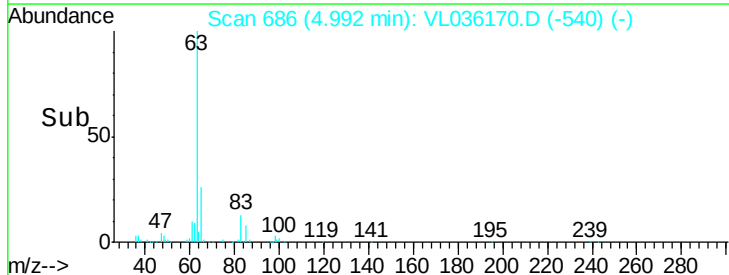
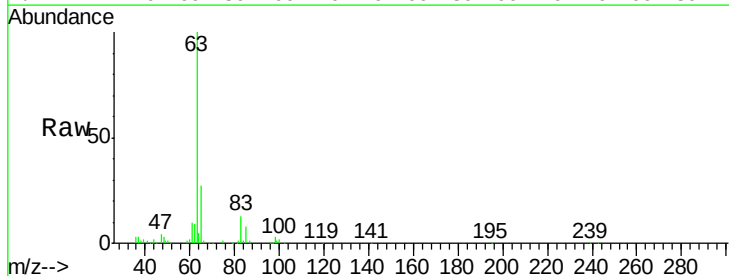
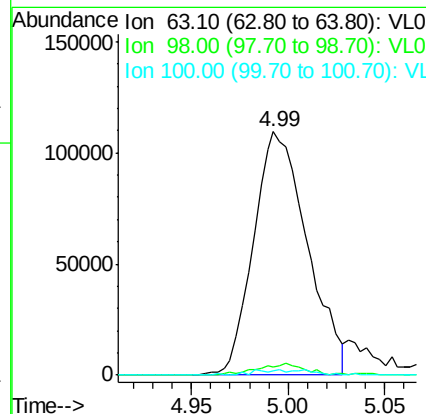
Manual Integrations
APPROVED

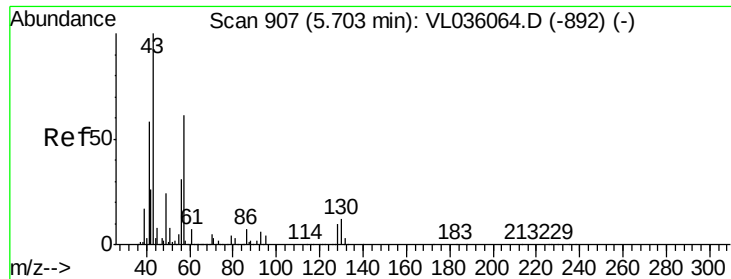
MMDadoda
12/17/2020 3:56:01 PM



#24
1,1-Dichloroethane
Concen: 1.428 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.03 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	211492		
98	3.4		2.2	6.6
100	2.0		1.5	4.4





#26

Hexane

Concen: 0.712 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.03 min

Lab File: VL036170.D

Acq: 16 Dec 2020 17:21

Instrument :

MSVOA_L

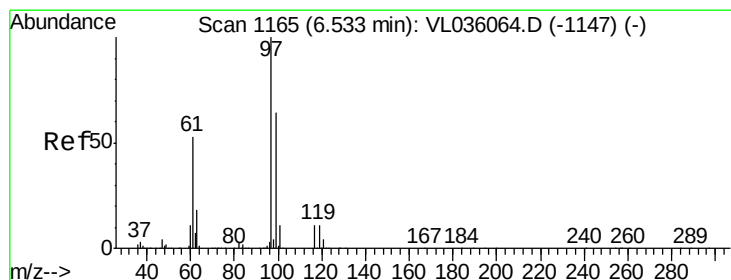
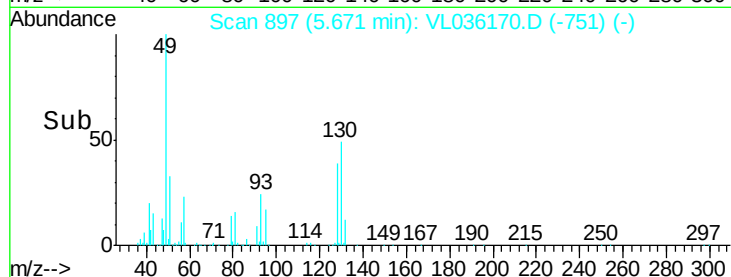
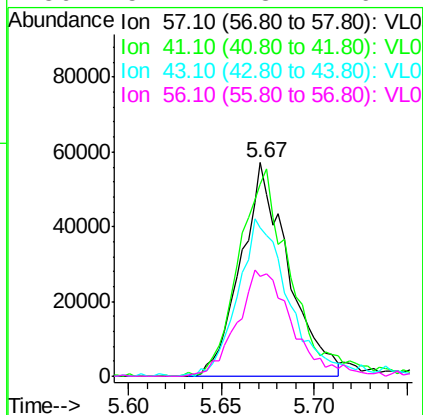
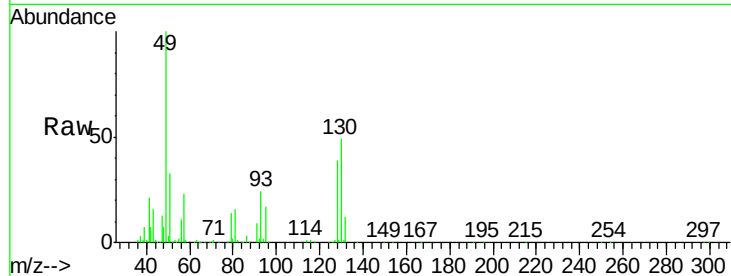
ClientSampleId :

INFLUENTDL

Tgt Ion	Ratio	Lower	Upper
57	100		
41	109.8	82.9	124.3
43	83.9	199.9	299.9#
56	57.4	43.1	64.7

Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:56:01 PM



#32

1,1,1-Trichloroethane

Concen: 10.899 ppbv

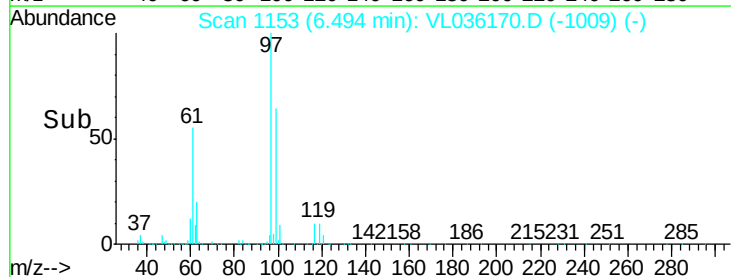
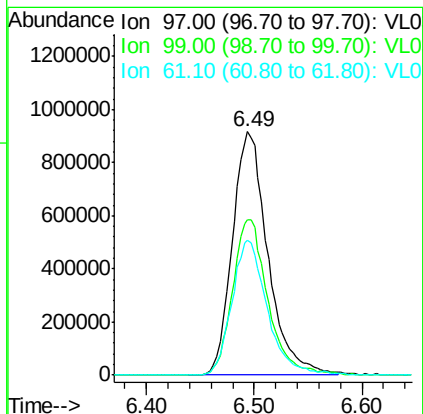
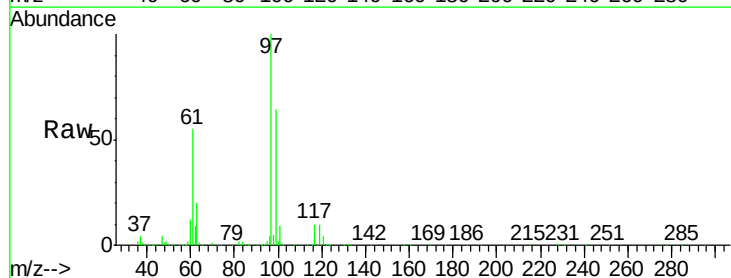
RT: 6.49 min Scan# 1153

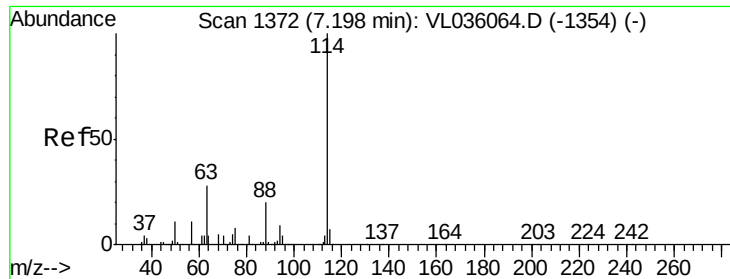
Delta R.T. -0.04 min

Lab File: VL036170.D

Acq: 16 Dec 2020 17:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.4	78.6
61	55.6	43.4	65.0





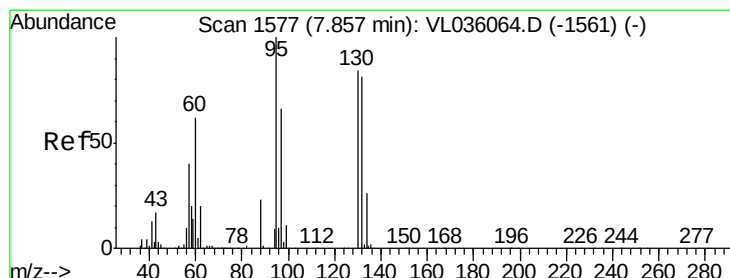
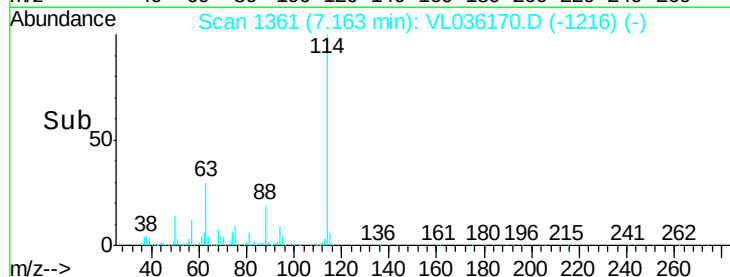
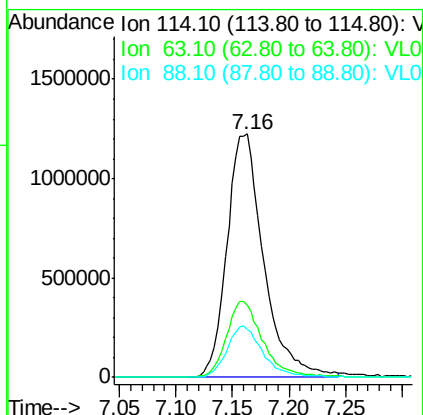
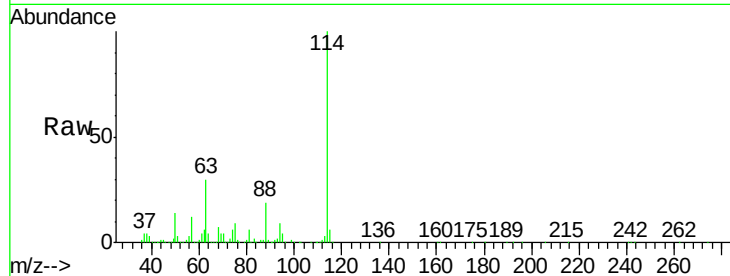
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.04 min
 Lab File: VL036170.D
 Acq: 16 Dec 2020 17:21

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tgt Ion:114 Resp: 2766933
 Ion Ratio Lower Upper
 114 100
 63 31.5 23.6 35.4
 88 20.9 15.8 23.6

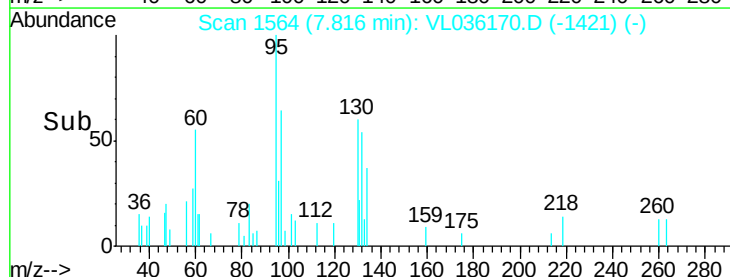
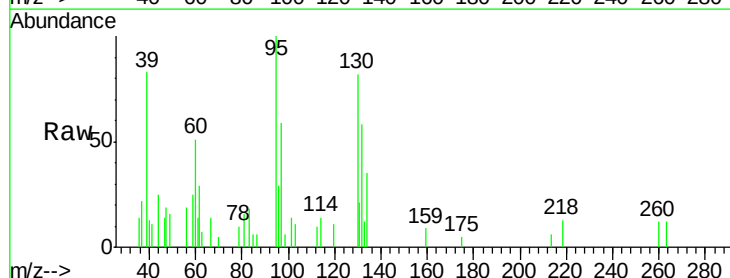
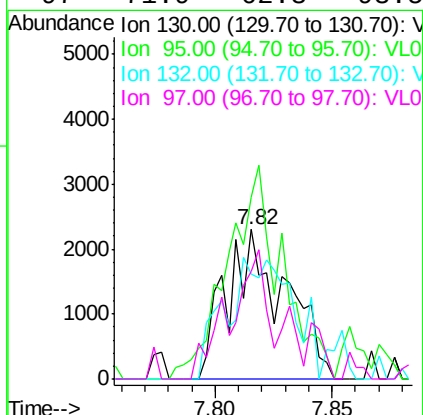
Manual Integrations
 APPROVED

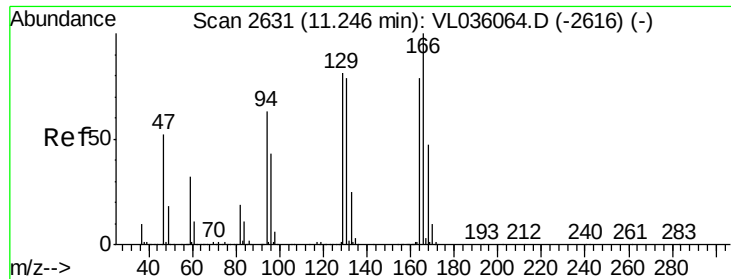
MMDadoda
 12/17/2020 3:56:01 PM



#38
 Trichloroethene
 Concen: 0.046 ppbv m
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.04 min
 Lab File: VL036170.D
 Acq: 16 Dec 2020 17:21

Tgt Ion:130 Resp: 4045
 Ion Ratio Lower Upper
 130 100
 95 121.8 95.2 142.8
 132 70.6 76.9 115.3#
 97 71.9 62.3 93.5





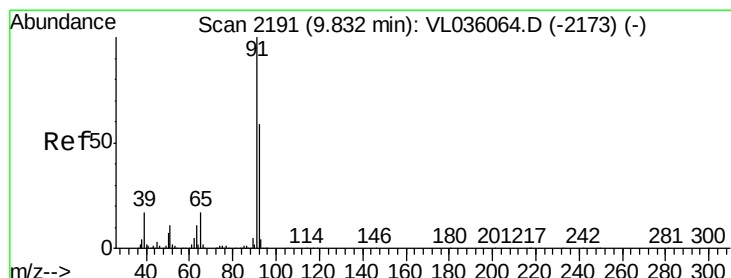
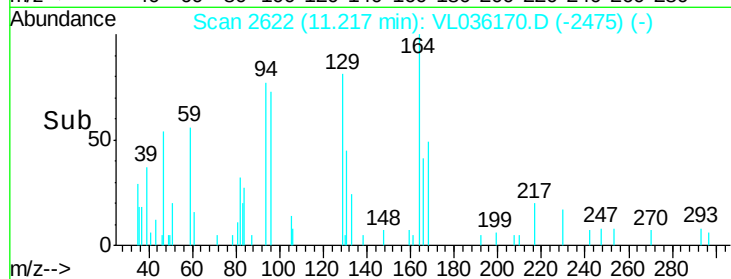
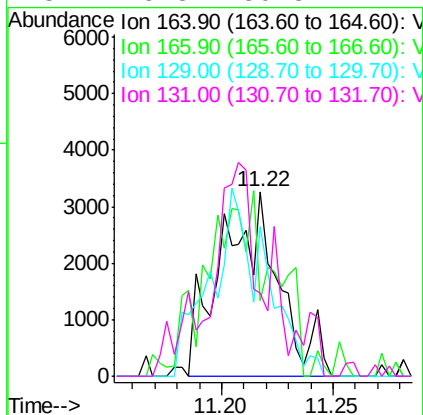
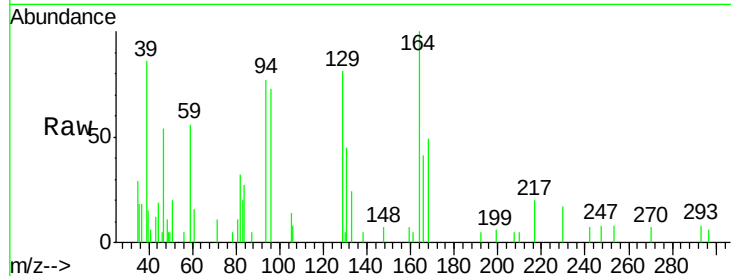
#52
Tetrachloroethene
Concen: 0.070 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.03 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion	Ratio	Lower	Upper
164	100		
166	41.2	101.9	152.9#
129	81.2	82.1	123.1#
131	45.3	80.8	121.2#

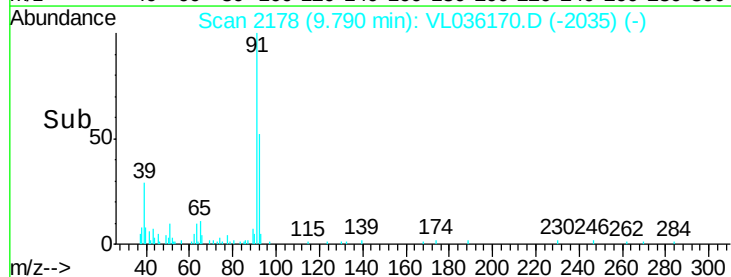
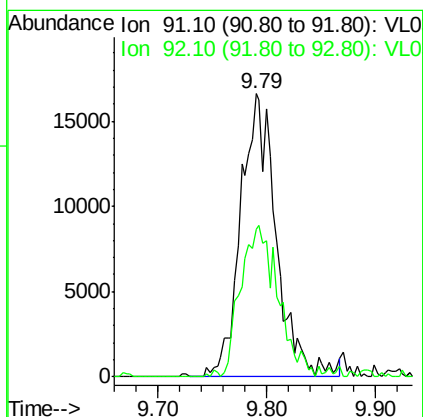
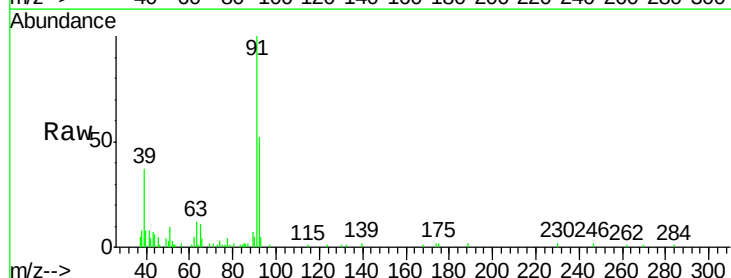
Manual Integrations
APPROVED

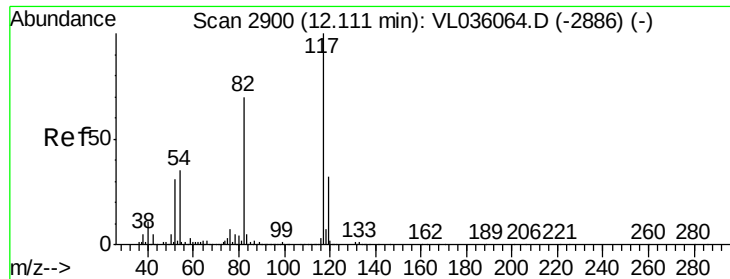
MMDadoda
12/17/2020 3:56:01 PM



#53
Toluene
Concen: 0.143 ppbv m
RT: 9.79 min Scan# 2178
Delta R.T. -0.04 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#





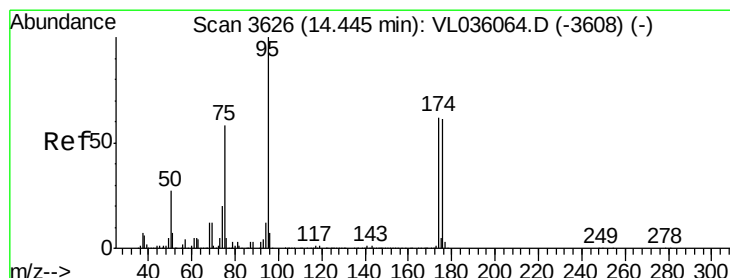
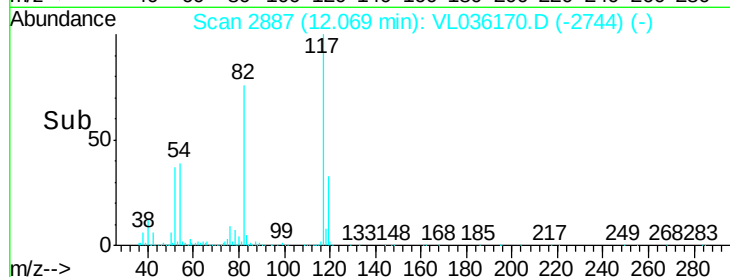
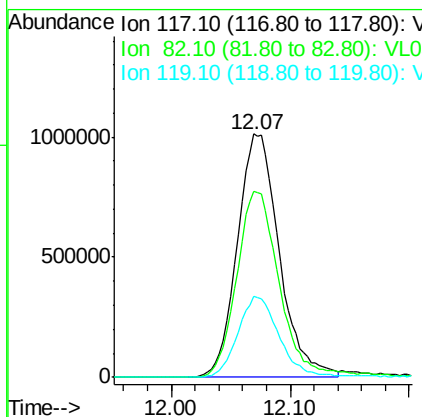
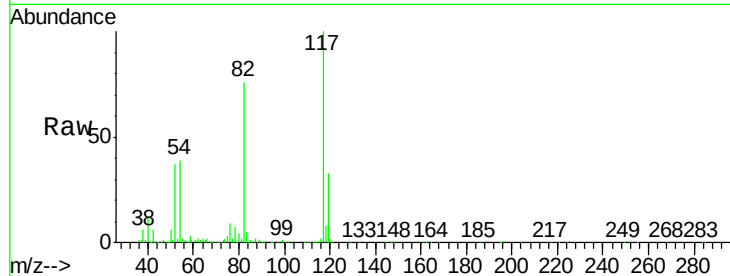
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 117 Resp: 2473153
Ion Ratio Lower Upper
117 100
82 78.9 0.0 0.0#
119 33.9 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:56:01 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.778 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036170.D
Acq: 16 Dec 2020 17:21

Tgt Ion: 95 Resp: 2116515
Ion Ratio Lower Upper
95 100
174 56.8 50.7 76.1
175 4.2 4.0 6.0

