

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037401.D
 Acq On : 11 Aug 2021 22:35
 Operator : SY/AP
 Sample : M3157-10
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 OFFSITE-DDC-INTERMEDIATE-1

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:17:22 AM

Quant Time: Aug 12 04:15:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1175478	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3671905	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3273375	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2446602	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	31109	0.146	ppbv	89
3) Chlorodifluoromethane	2.99	51	80915m	0.370	ppbv	
4) Chloromethane	3.13	50	70229	0.872	ppbv	92
9) Propene	3.02	41	135935m	1.827	ppbv	
10) Heptane	8.12	43	266644	1.515	ppbv	99
11) Trichlorofluoromethane	3.95	101	37744m	0.211	ppbv	
13) Ethanol	3.60	45	2237589	249.125	ppbv	94
15) Acetone	3.84	43	2462460	21.988	ppbv #	65
17) tert-Butyl alcohol	4.30	59	343345	3.427	ppbv #	71
19) Isopropyl Alcohol	3.96	45	2080357	32.265	ppbv #	32
20) Methylene Chloride	4.34	84	398052	6.545	ppbv #	90
22) trans-1,2-Dichloroethene	4.88	96	18164m	0.334	ppbv	
25) Ethyl Acetate	5.66	43	7995578	27.885	ppbv #	88
27) Carbon Disulfide	4.55	76	37975	0.312	ppbv #	72
29) Chloroform	5.75	83	40724m	0.196	ppbv	
30) Cyclohexane	7.13	84	241328	2.008	ppbv	85
34) 2-Butanone	5.24	43	1135996	8.142	ppbv	100
35) Carbon Tetrachloride	7.01	117	11831m	0.058	ppbv	
36) Benzene	6.89	78	801765	2.751	ppbv	99
37) 1,2-Dichloroethane	6.30	62	36119m	0.242	ppbv	
38) Trichloroethene	7.83	130	5723m	0.046	ppbv	
43) Methyl Methacrylate	8.01	69	53618	0.529	ppbv #	4
44) 2,2,4-Trimethylpentane	7.86	57	214166	0.441	ppbv #	69
50) 4-Methyl-2-Pentanone	8.74	43	860017	4.718	ppbv	99
52) Tetrachloroethene	11.22	164	33615m	0.283	ppbv	
53) Toluene	9.80	91	8365480	24.755	ppbv	98
58) Ethyl Benzene	12.70	91	608822	1.393	ppbv	93
59) m/p-Xylene	12.96	91	1359380	3.614	ppbv	95
60) o-Xylene	13.69	91	525784	1.508	ppbv	98
61) Styrene	13.52	104	644787	3.569	ppbv	99
62) Isopropylbenzene	14.66	105	100504	0.205	ppbv	99
69) p-Isopropyltoluene	17.64	119	174640m	0.355	ppbv	
72) 4-Ethyltoluene	15.83	105	249708	0.612	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	211530m	0.559	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	693476	1.805	ppbv #	70
79) Naphthalene	22.19	128	32813m	0.157	ppbv	

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

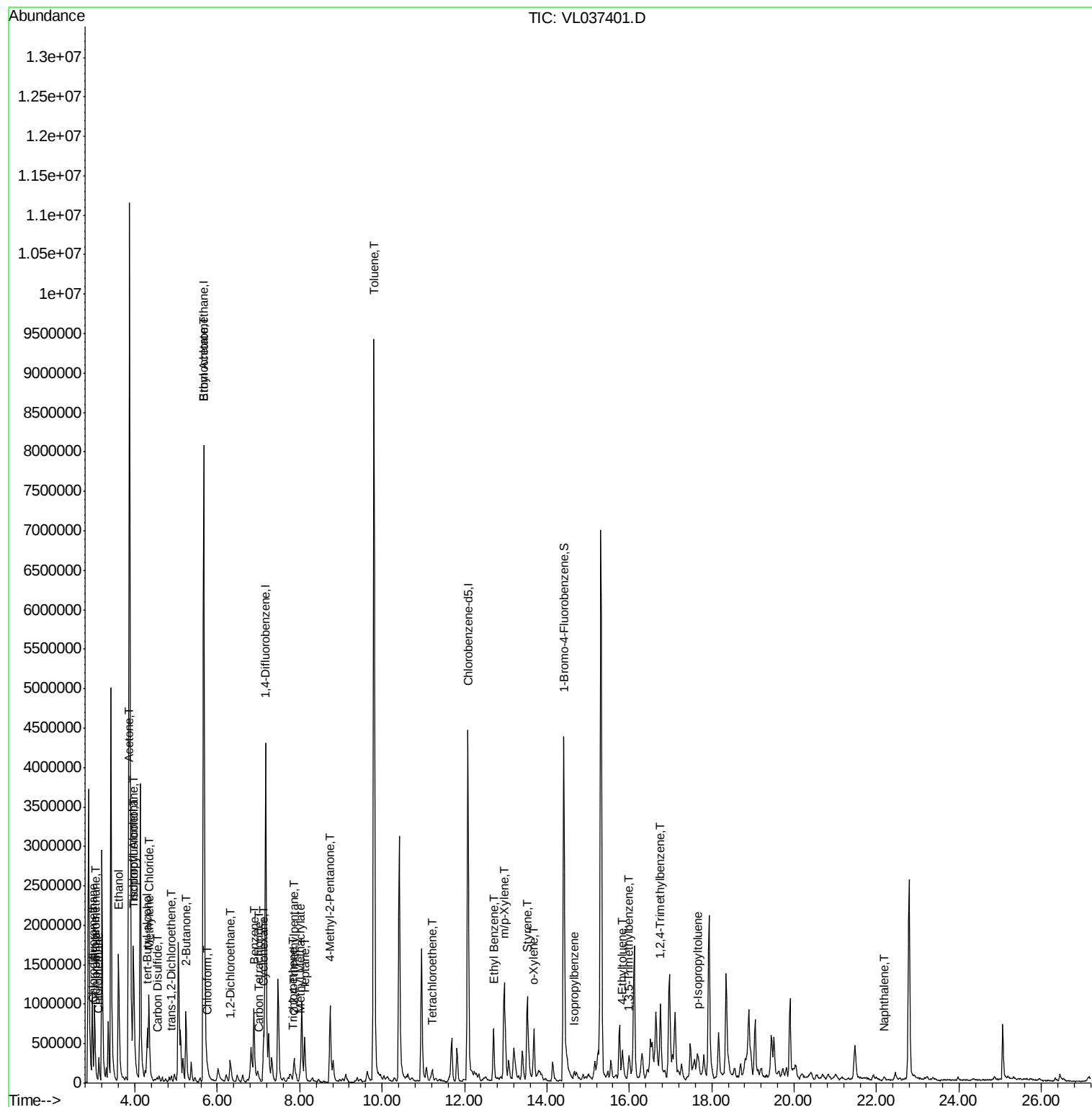
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037401.D
Acq On : 11 Aug 2021 22:35
Operator : SY/AP
Sample : M3157-10
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

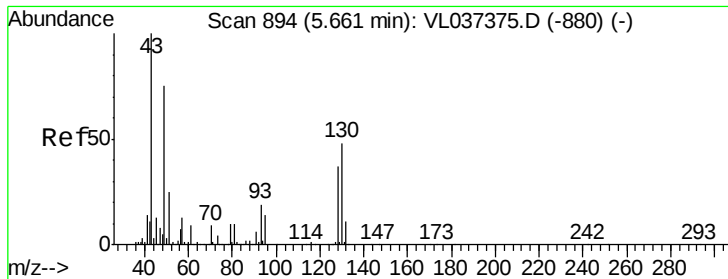
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM

Quant Time: Aug 12 04:15:46 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 49 Resp: 1175478

Ion Ratio Lower Upper

49 100

128 54.2 28.1 84.4

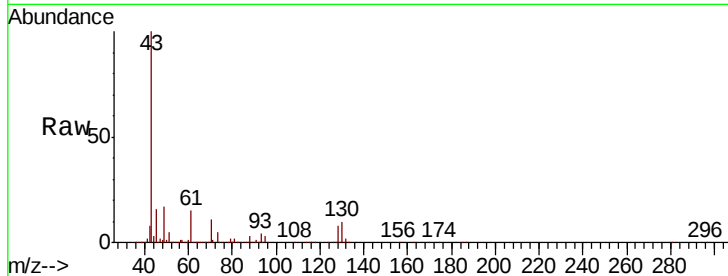
130 69.3 34.3 102.8

Manual Integrations

APPROVED

apatel

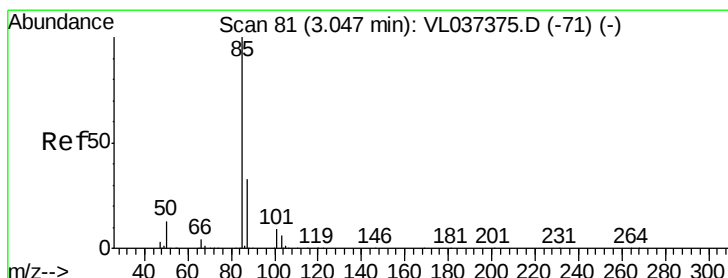
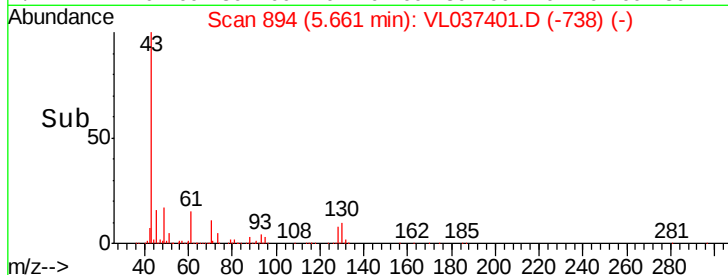
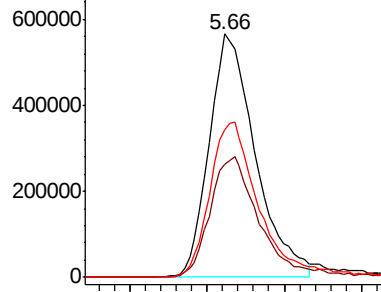
8/12/2021 10:17:22 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.146 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037401.D

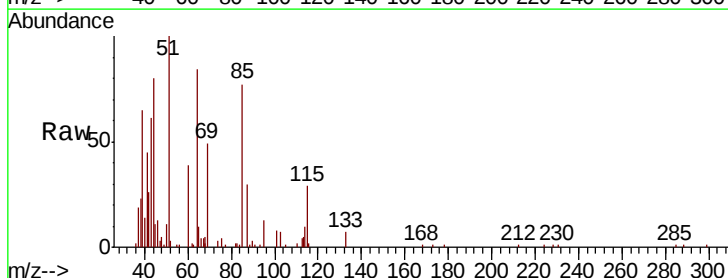
Acq: 11 Aug 2021 22:35

Tgt Ion: 85 Resp: 31109

Ion Ratio Lower Upper

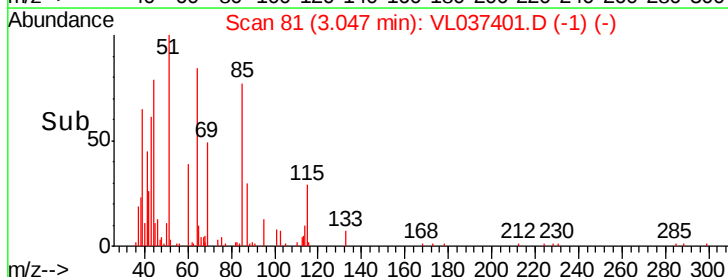
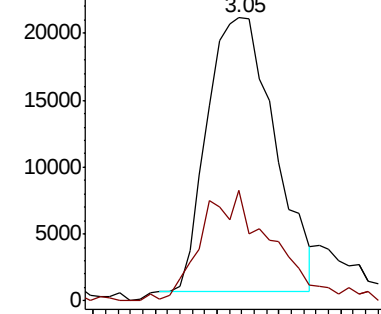
85 100

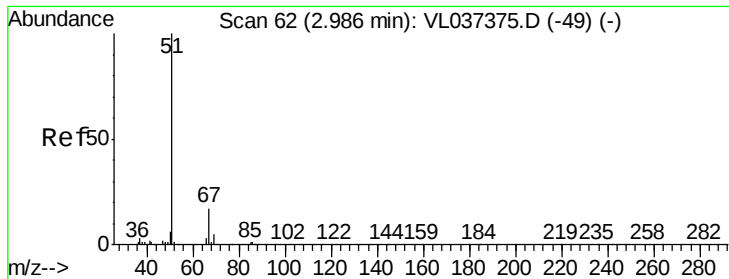
87 39.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

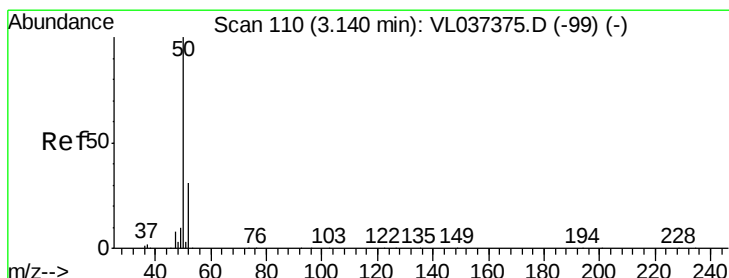
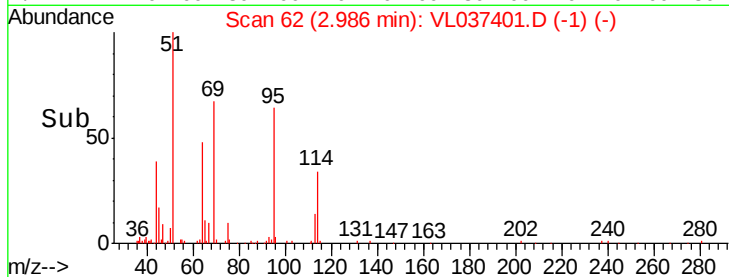
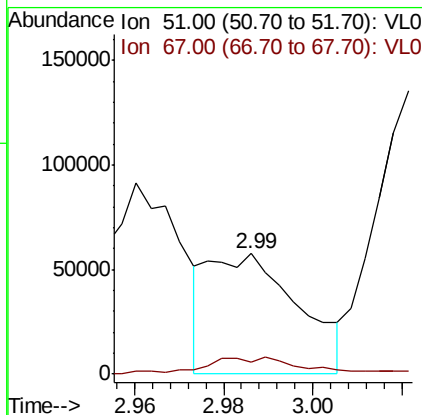
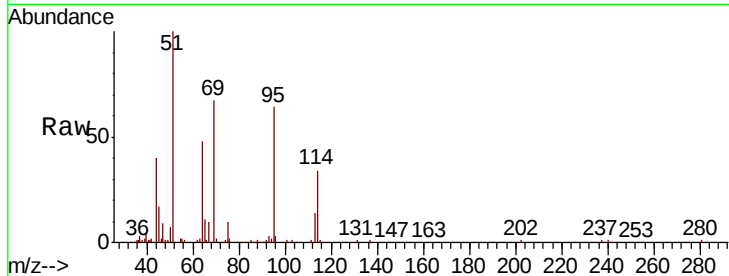
Chlorodifluoromethane
Concen: 0.370 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.2	14.3	21.5

Manual Integrations
APPROVED

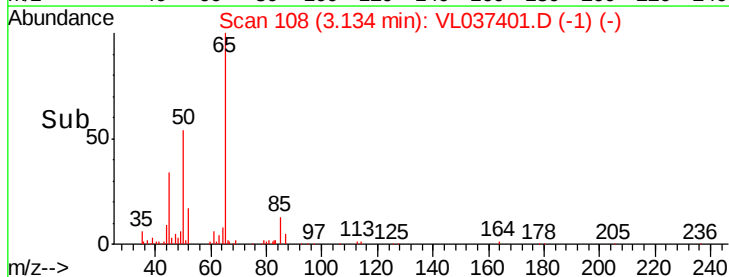
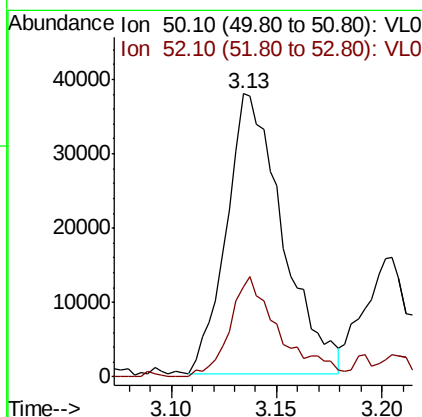
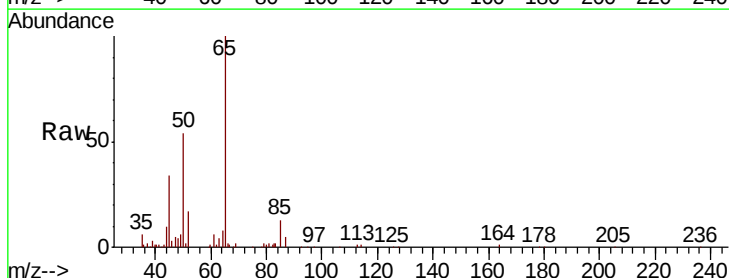
apatel
8/12/2021 10:17:22 AM

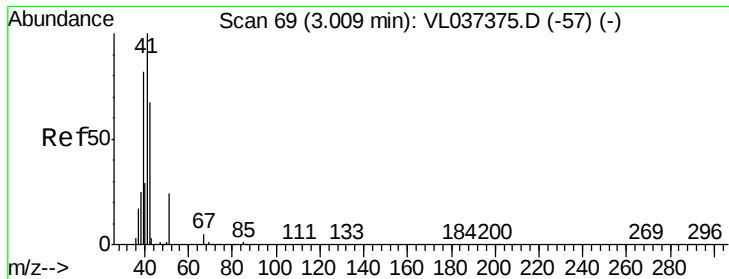


#4

Chloromethane
Concen: 0.872 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.7	25.0	37.4





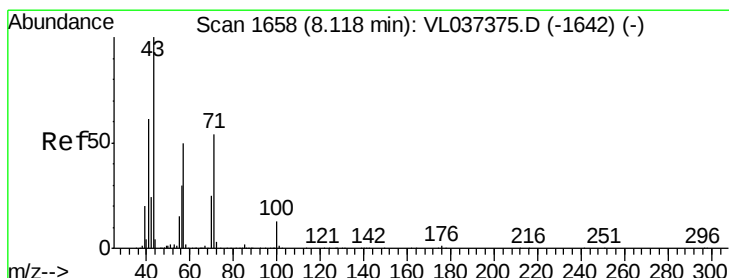
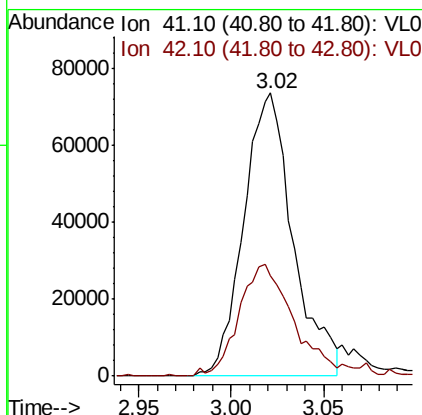
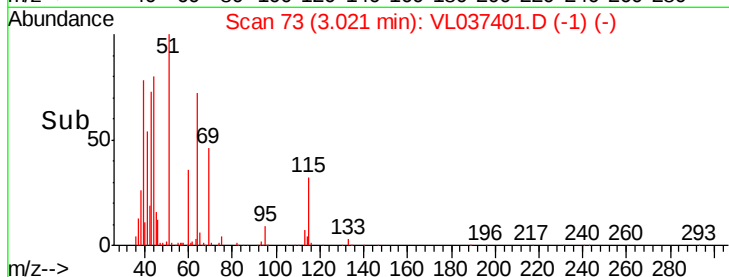
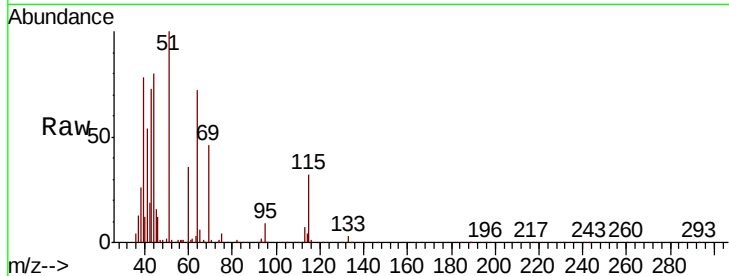
#9
 Propene
 Concen: 1.827 ppbv m
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 41 Resp: 135935
 Ion Ratio Lower Upper
 41 100
 42 515.7 55.5 83.3#

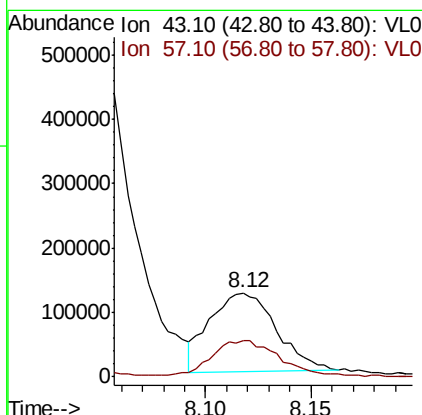
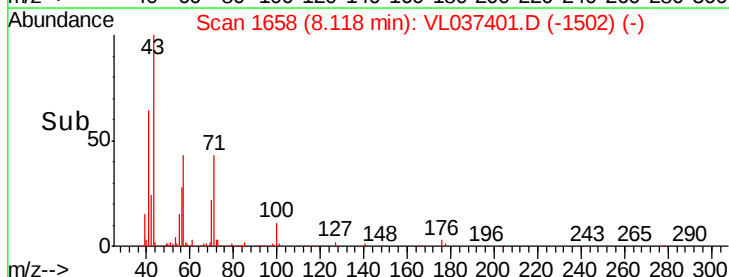
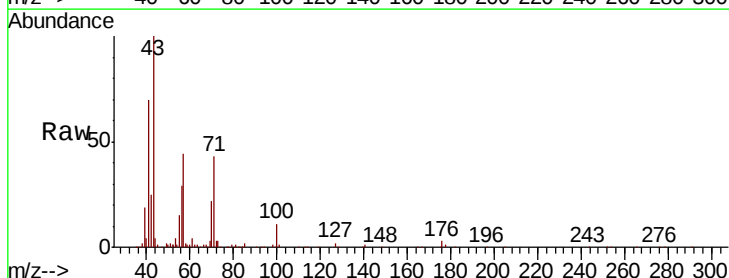
Manual Integrations
 APPROVED

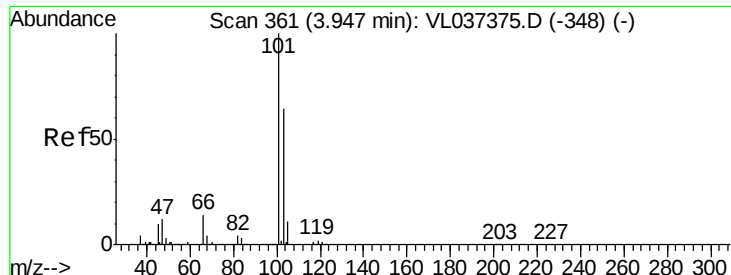
apatel
 8/12/2021 10:17:22 AM



#10
 Heptane
 Concen: 1.515 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Tgt Ion: 43 Resp: 266644
 Ion Ratio Lower Upper
 43 100
 57 49.6 40.2 60.2





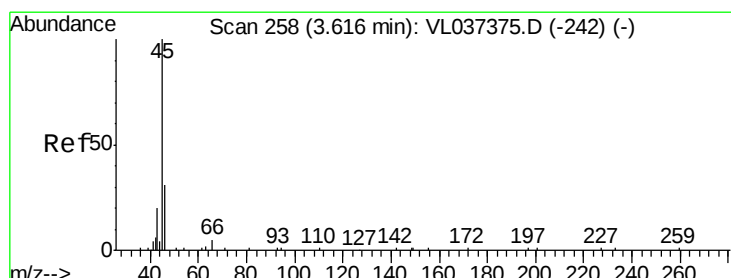
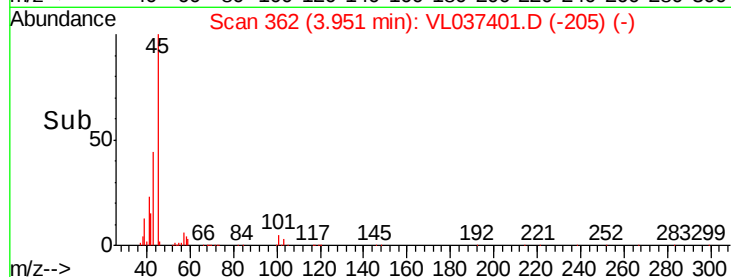
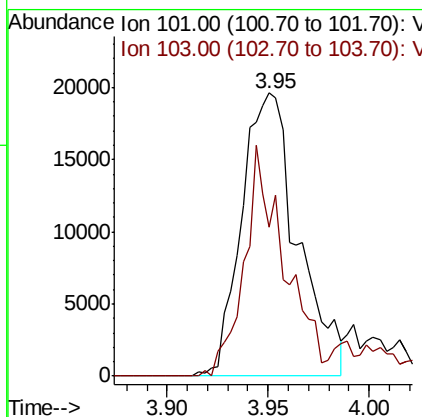
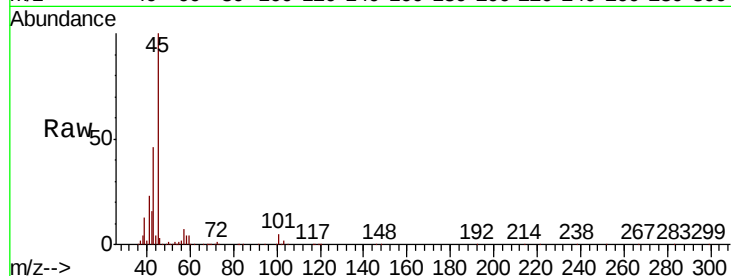
#11
 Trichlorofluoromethane
 Concen: 0.211 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 101 Resp: 37744
 Ion Ratio Lower Upper
 101 100
 103 52.5 51.2 76.8

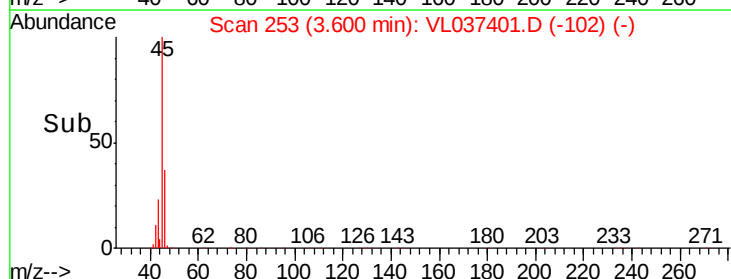
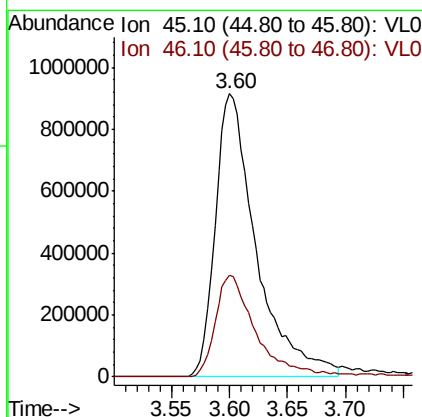
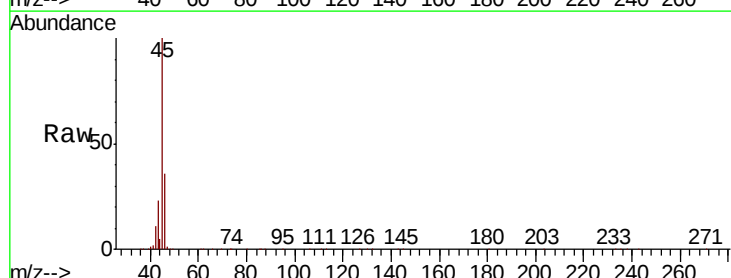
Manual Integrations
 APPROVED

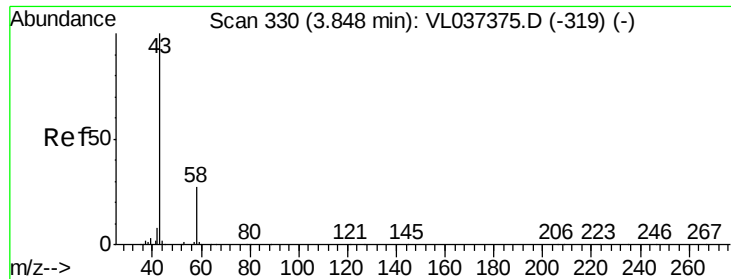
apatel
 8/12/2021 10:17:22 AM



#13
 Ethanol
 Concen: 249.125 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.02 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Tgt Ion: 45 Resp: 2237589
 Ion Ratio Lower Upper
 45 100
 46 35.6 15.8 63.4





#15

Acetone

Concen: 21.988 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 43 Resp: 2462460

Ion Ratio Lower Upper

43 100

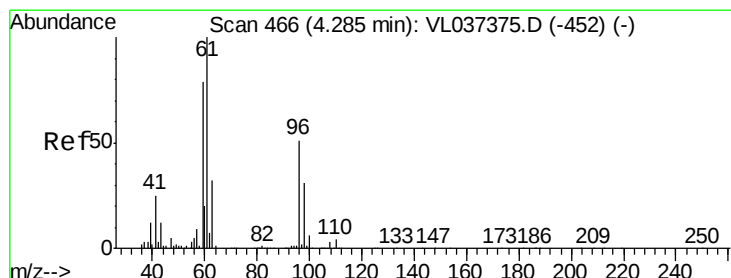
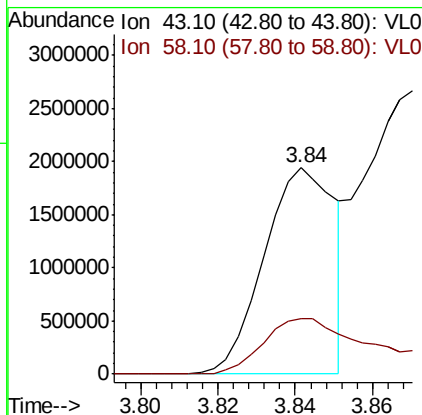
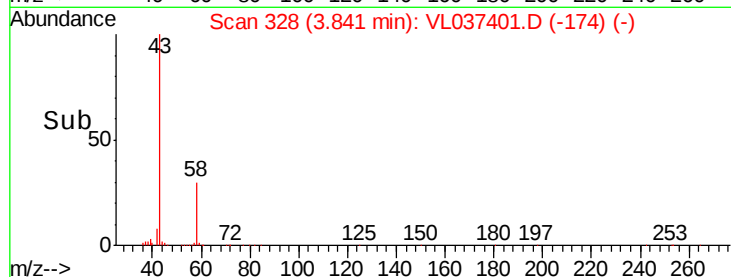
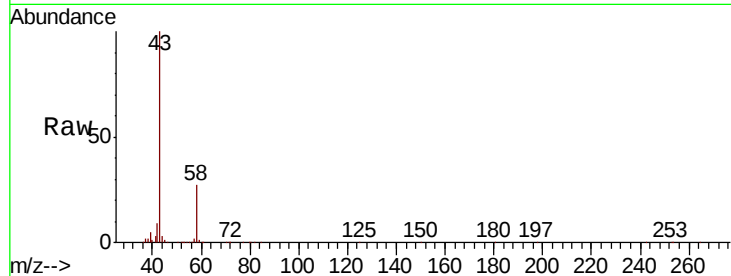
58 50.2 24.6 37.0#

Manual Integrations

APPROVED

apatel

8/12/2021 10:17:22 AM



#17

tert-Butyl alcohol

Concen: 3.427 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037401.D

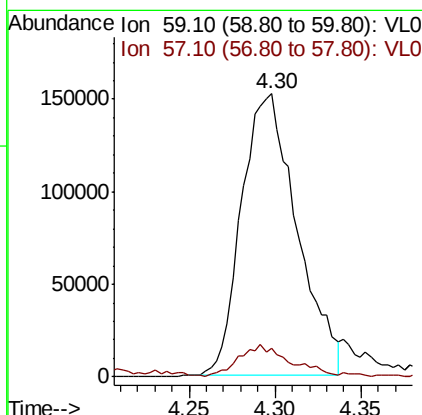
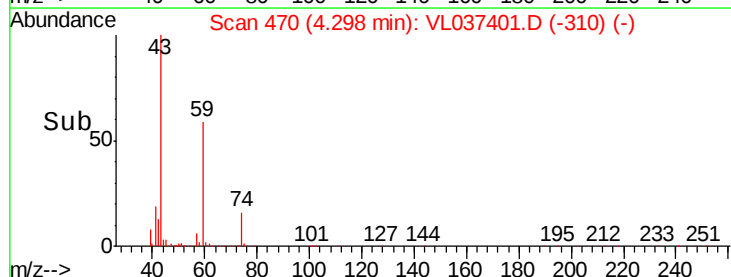
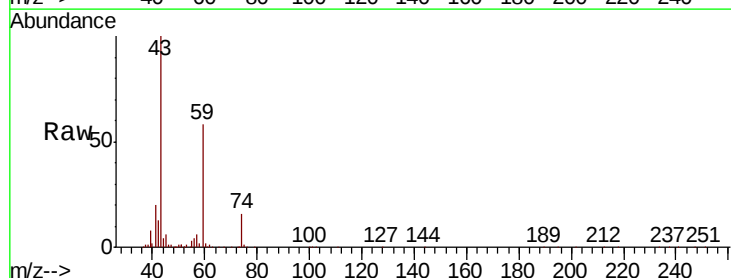
Acq: 11 Aug 2021 22:35

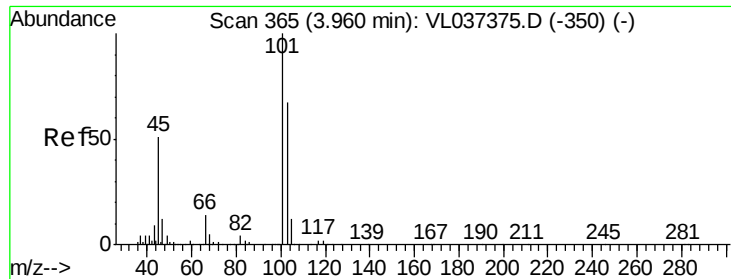
Tgt Ion: 59 Resp: 343345

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#





#19

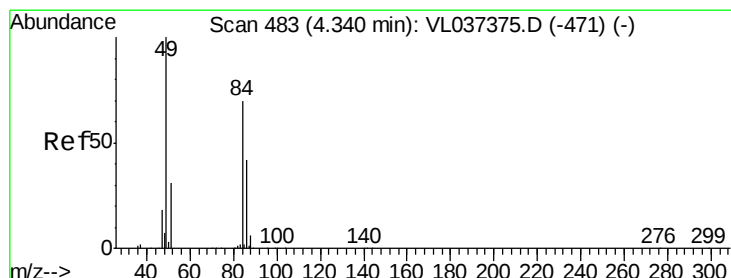
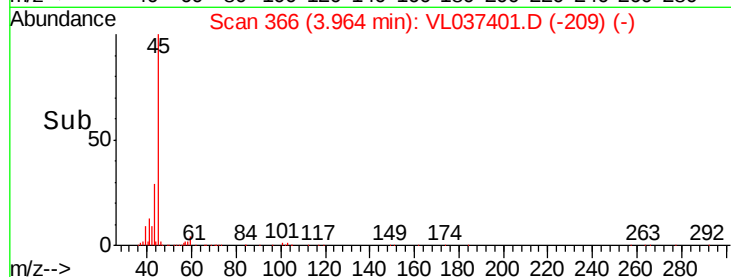
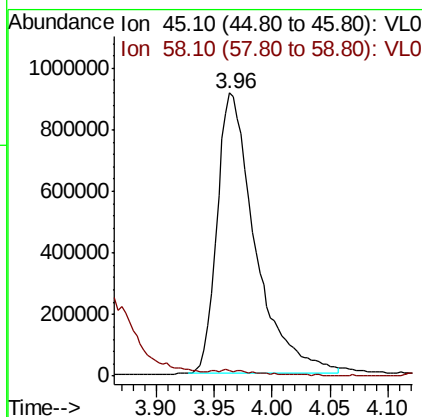
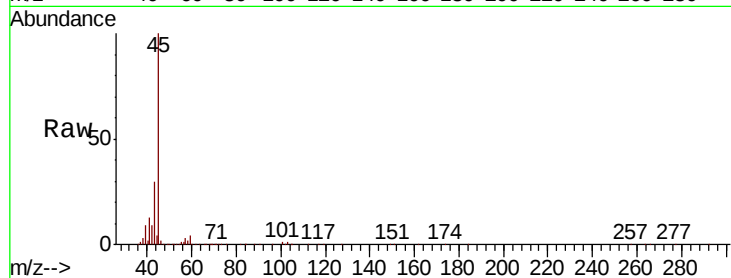
Isopropyl Alcohol
 Concen: 32.265 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 45 Resp: 2080357
 Ion Ratio Lower Upper
 45 100
 58 2.6 38.7 58.1#

Manual Integrations
 APPROVED

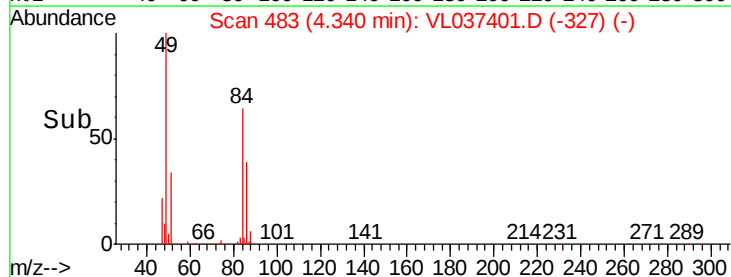
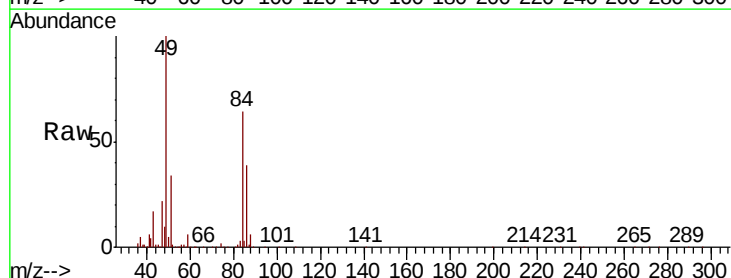
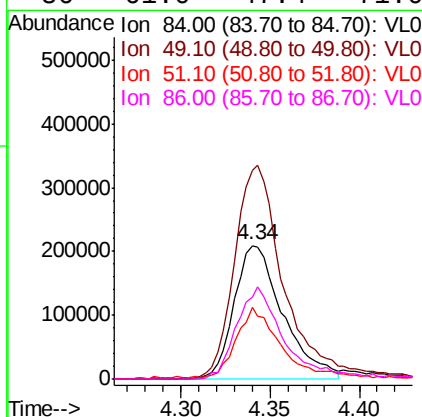
apatel
 8/12/2021 10:17:22 AM

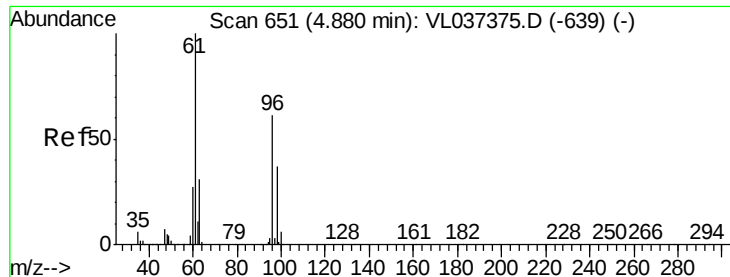


#20

Methylene Chloride
 Concen: 6.545 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Tgt Ion: 84 Resp: 398052
 Ion Ratio Lower Upper
 84 100
 49 156.0 113.8 170.6
 51 52.9 34.7 52.1#
 86 61.0 47.4 71.0





#22

trans-1,2-Dichloroethene

Concen: 0.334 ppbv m

RT: 4.88 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Instrument :

MSVOA_L

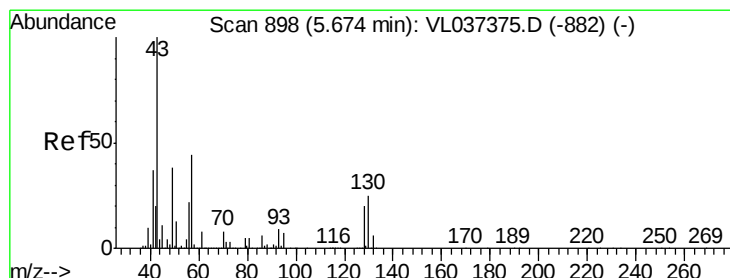
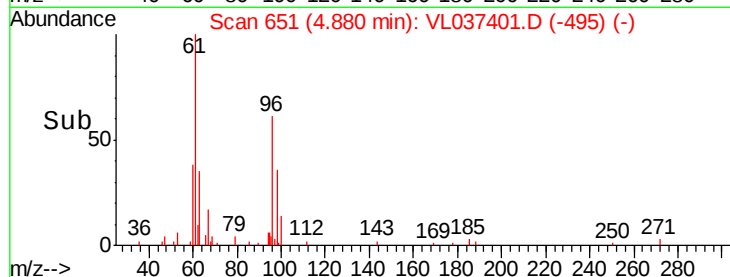
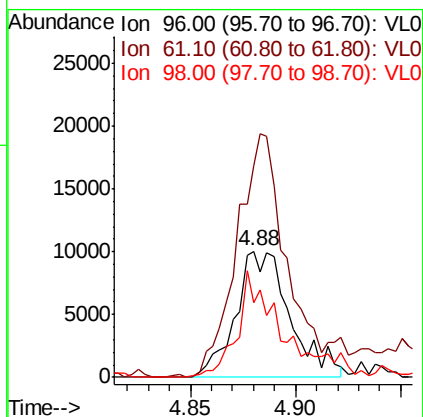
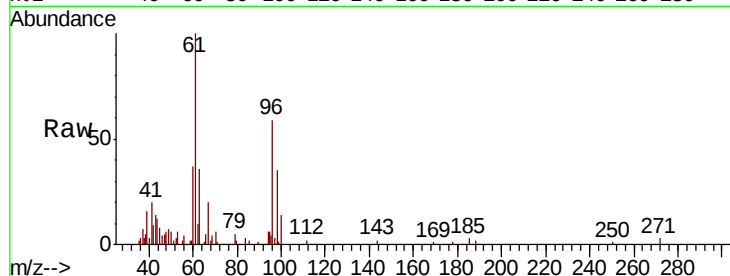
ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1

Tot Ion:	96	Resp:	18164
Ion Ratio	Lower	Upper	
96	100		
61	168.3	132.2	198.4
98	59.1	48.7	73.1

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM



#25

Ethyl Acetate

Concen: 27.885 ppbv

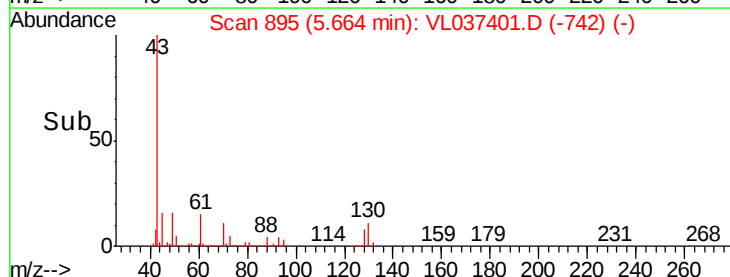
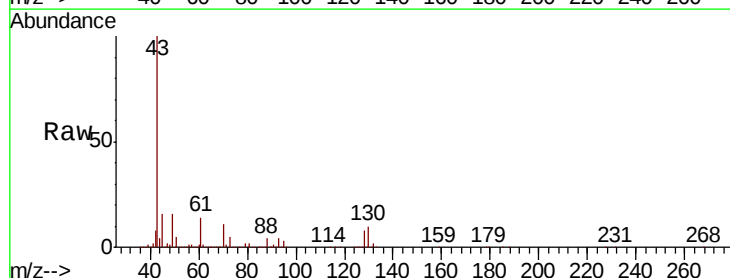
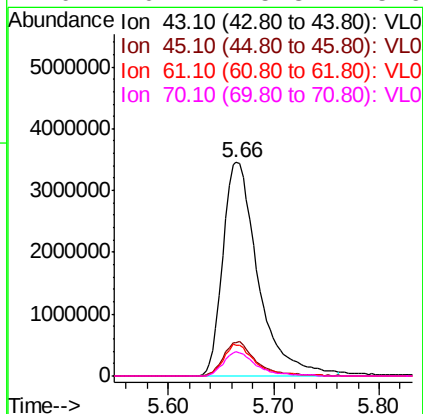
RT: 5.66 min Scan# 895

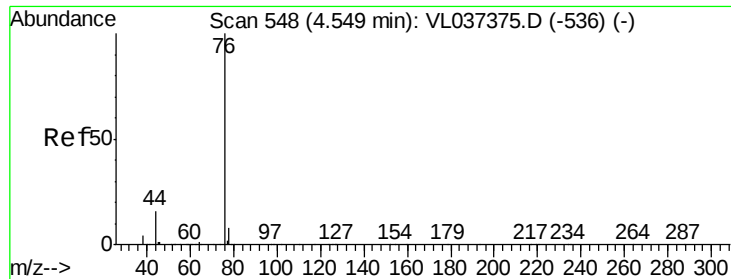
Delta R.T. -0.01 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Tgt Ion:	43	Resp:	7995578
Ion Ratio	Lower	Upper	
43	100		
45	15.3	8.0	12.0#
61	13.7	7.7	11.5#
70	10.7	5.8	8.6#





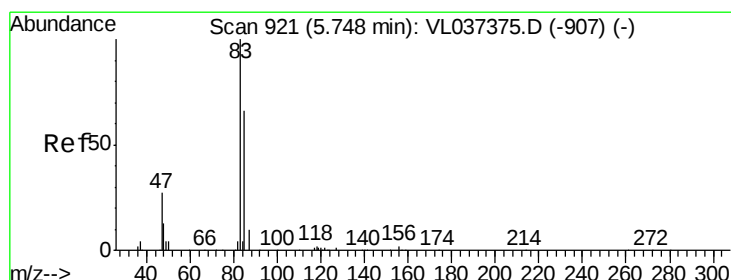
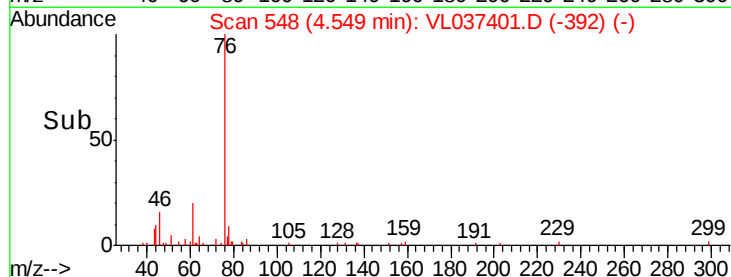
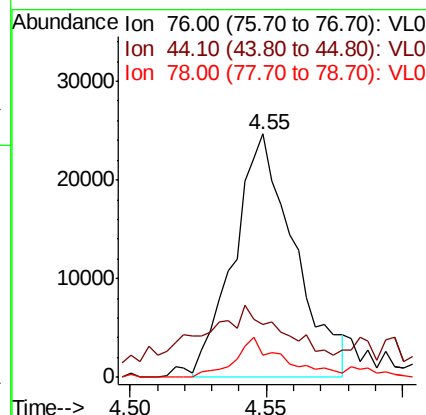
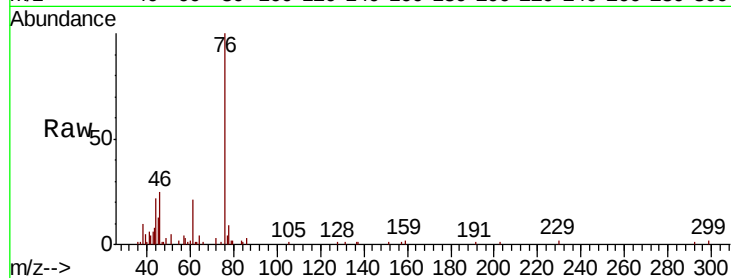
#27
Carbon Disulfide
Concen: 0.312 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Tot Ion	Ratio	Lower	Upper
76	100		
44	31.8	13.7	20.5#
78	15.6	7.7	11.5#

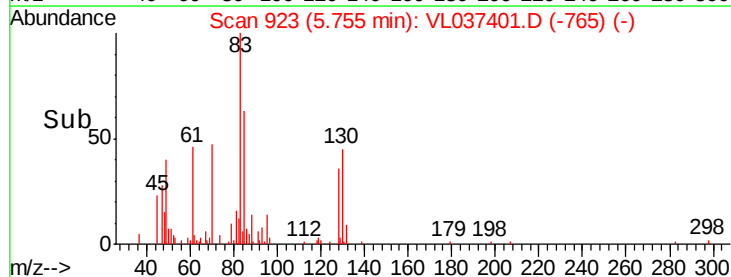
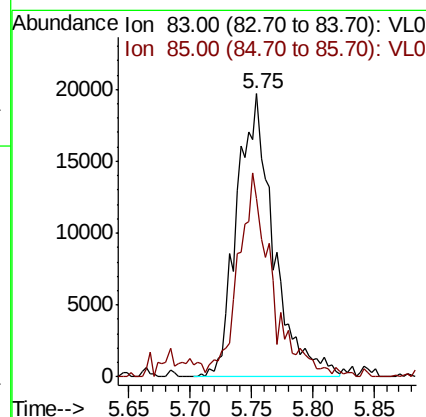
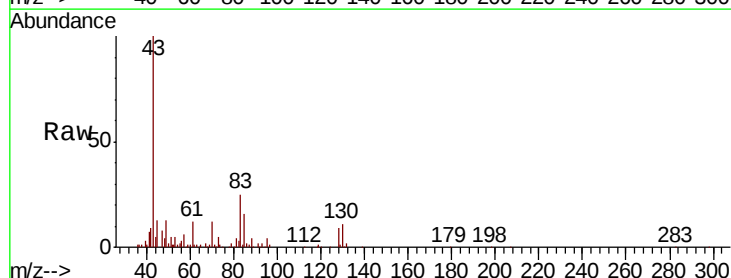
Manual Integrations
APPROVED

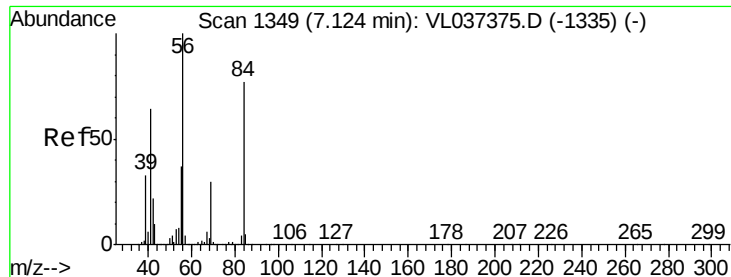
apatel
8/12/2021 10:17:22 AM



#29
Chloroform
Concen: 0.196 ppbv m
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.8	79.2





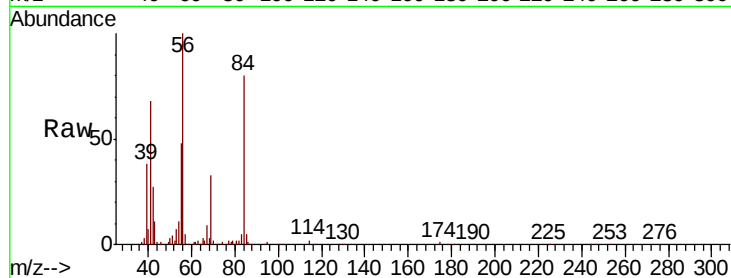
#30
Cvclohexane
Concen: 2.008 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

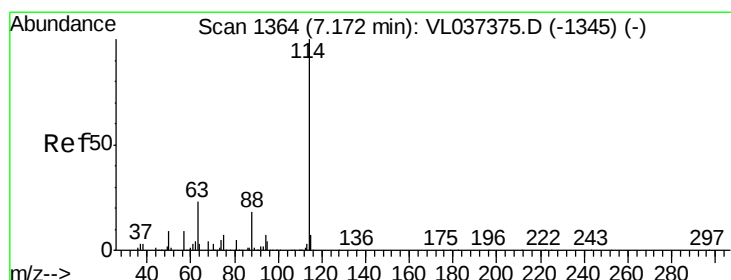
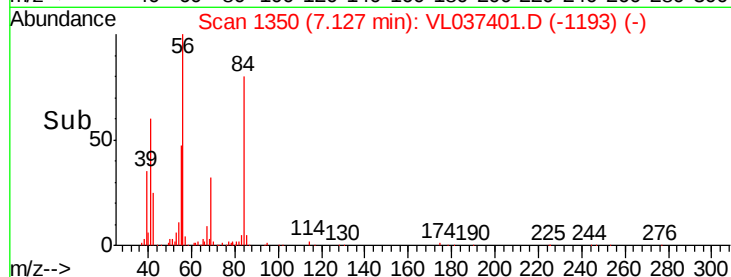
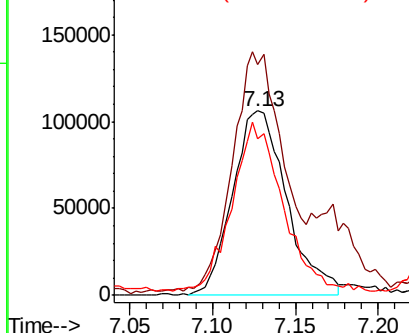
Tot Ion	Ratio	Lower	Upper
84	100		
56	163.2	109.4	164.0
41	85.9	66.2	99.2

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM

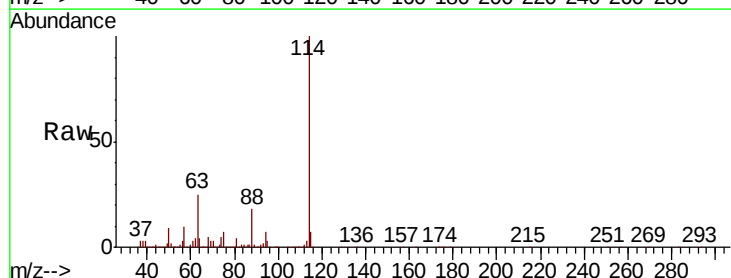


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

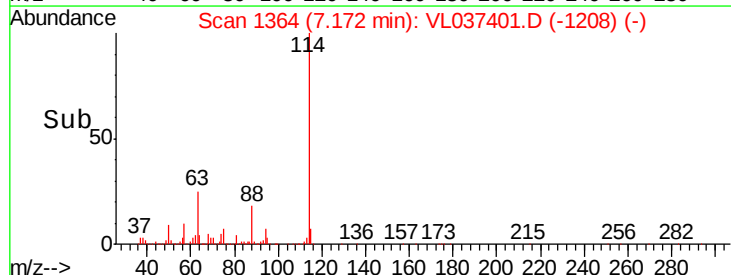
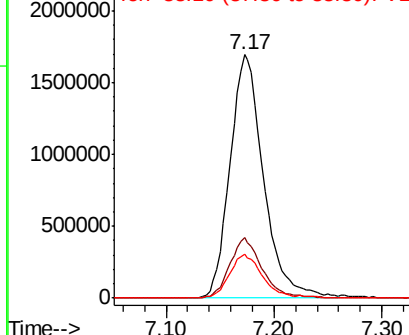


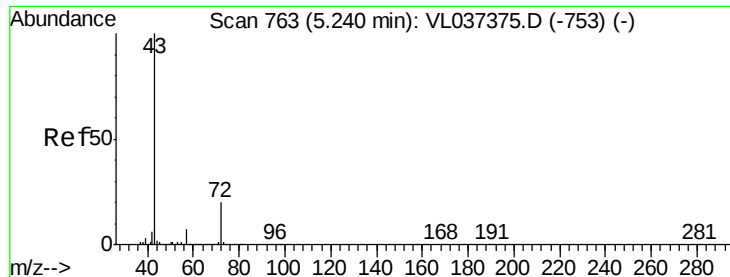
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.5	29.3
88	18.0	14.3	21.5



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





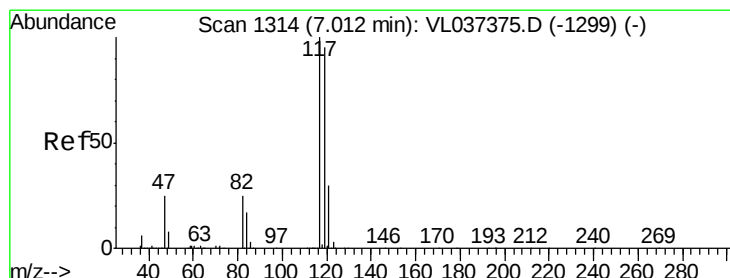
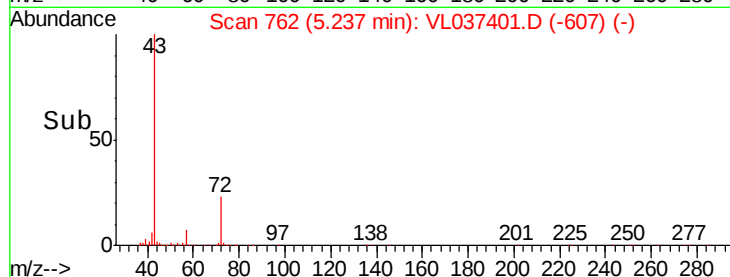
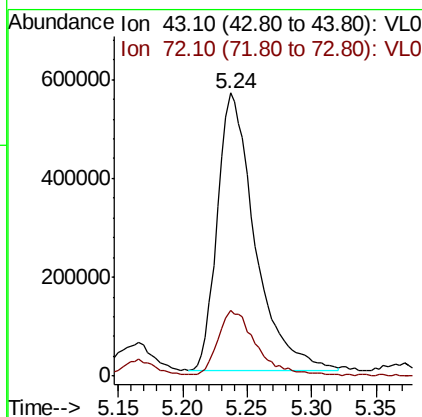
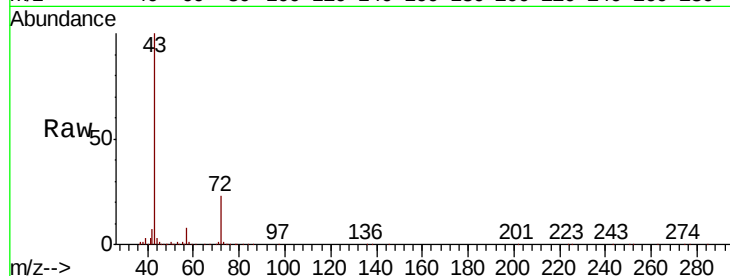
#34
2-Butanone
Concen: 8.142 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 43 Resp: 1135996
Ion Ratio Lower Upper
43 100
72 24.7 19.6 29.4

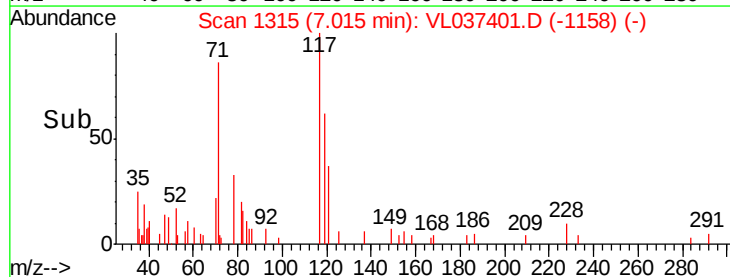
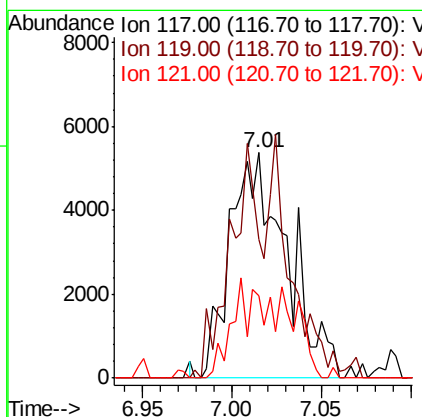
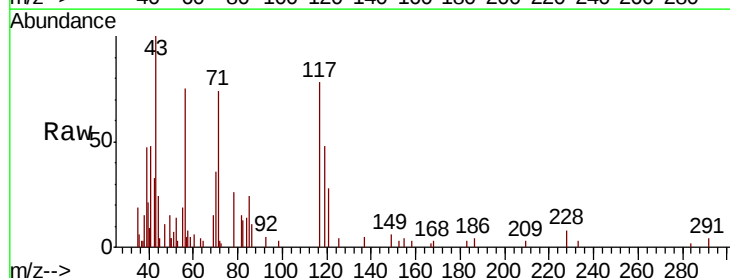
Manual Integrations
APPROVED

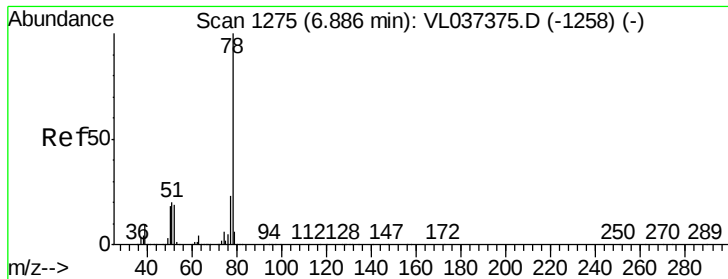
apatel
8/12/2021 10:17:22 AM



#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion: 117 Resp: 11831
Ion Ratio Lower Upper
117 100
119 61.6 76.1 114.1#
121 36.6 24.4 36.6





#36

Benzene

Concen: 2.751 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Instrument :

MSVOA_L

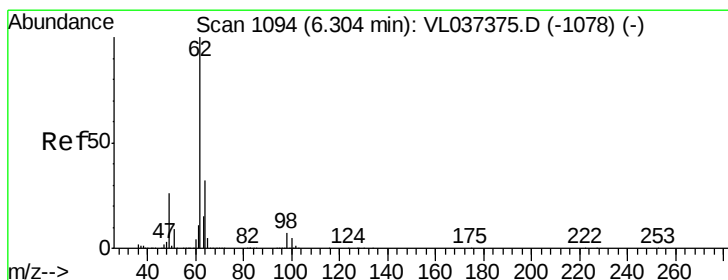
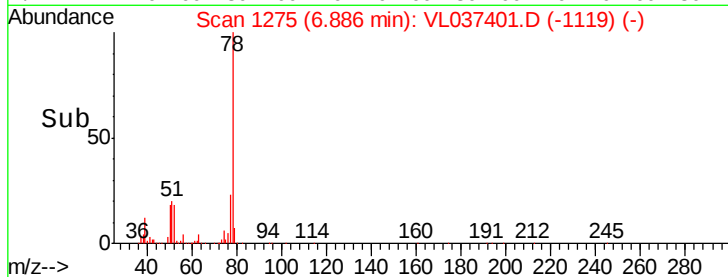
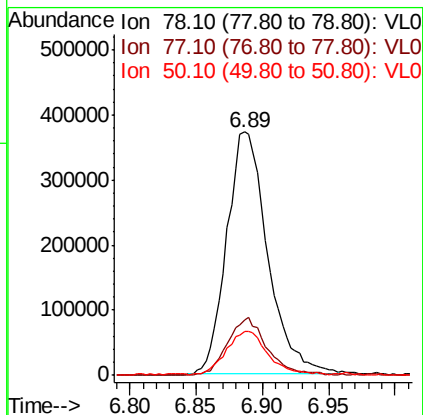
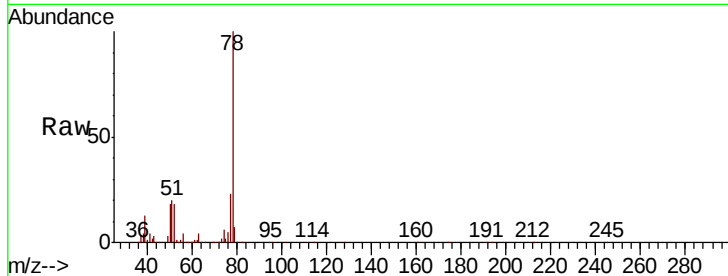
ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1

Tot Ion:	78	Resp:	801765
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	28.0
50	17.7	14.3	21.5

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM



#37

1,2-Dichloroethane

Concen: 0.242 ppbv m

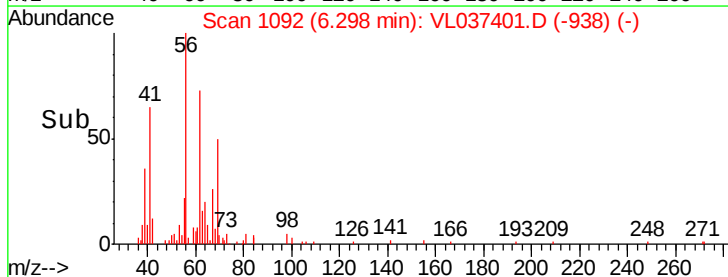
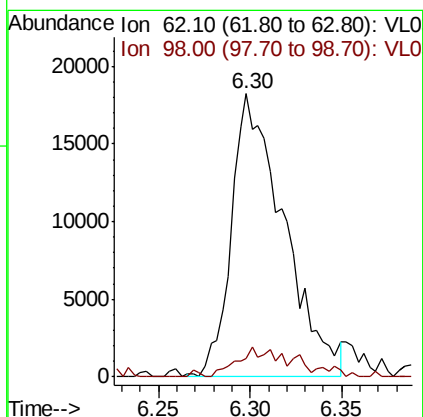
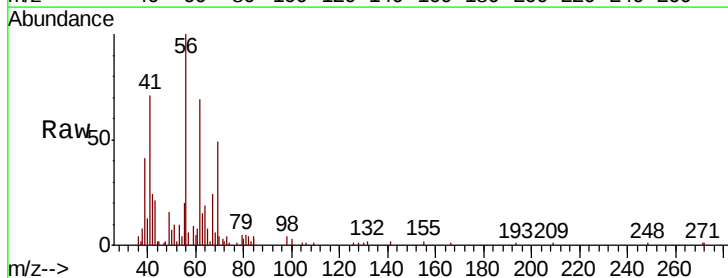
RT: 6.30 min Scan# 1092

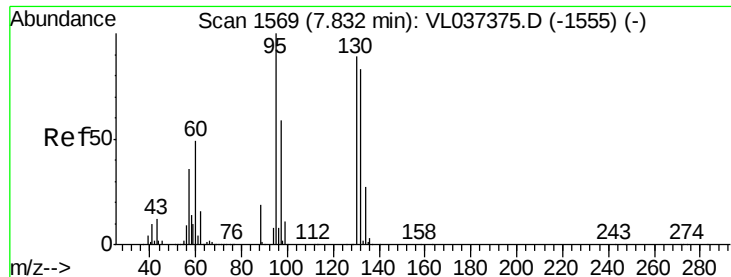
Delta R.T. -0.01 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Tgt Ion:	62	Resp:	36119
Ion	Ratio	Lower	Upper
62	100		
98	11.5	5.8	8.8#





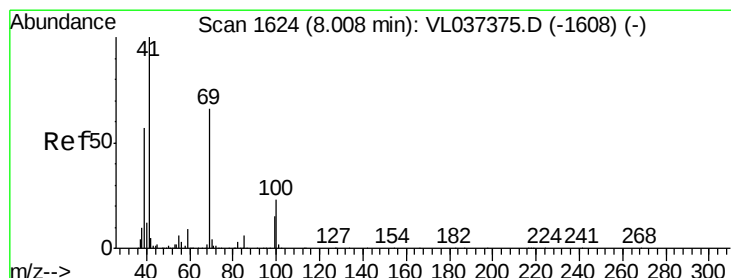
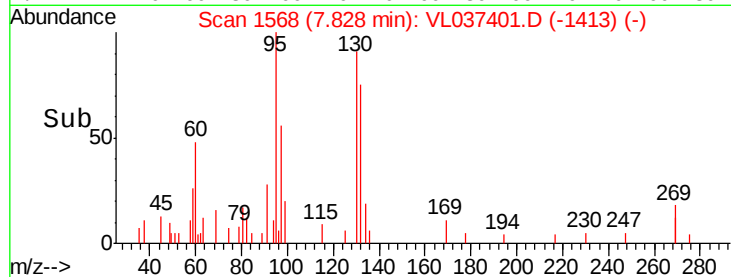
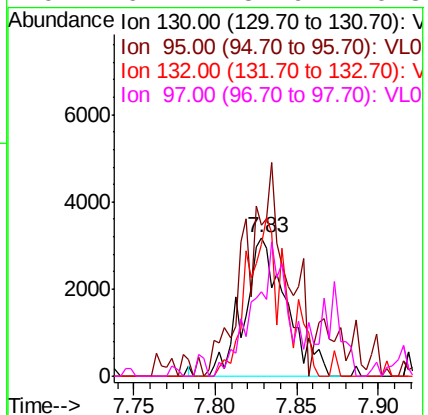
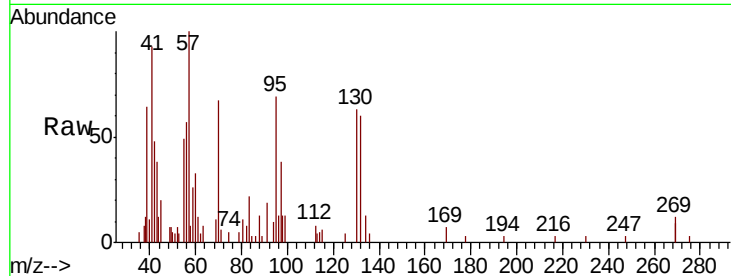
#38
 Trichloroethene
 Concen: 0.046 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Tot Ion	Ratio	Lower	Upper
130	100		
95	109.5	89.5	134.3
132	95.0	74.2	111.4
97	61.1	52.9	79.3

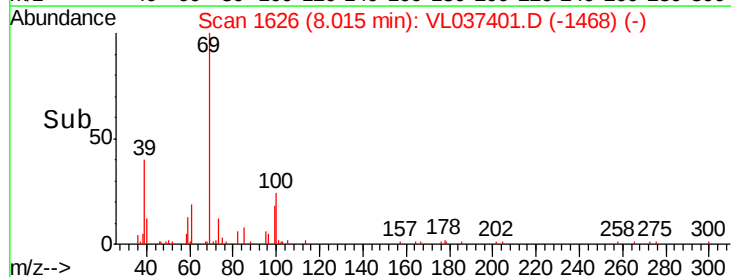
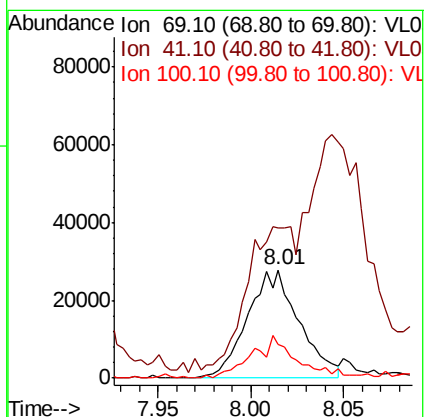
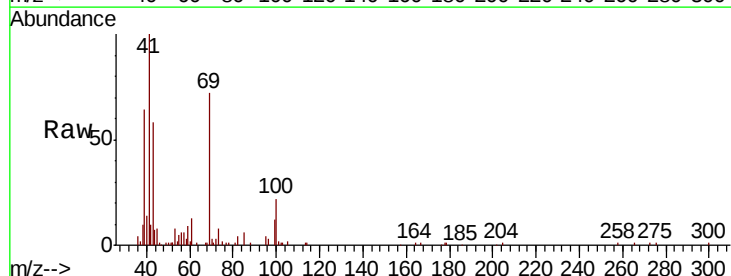
Manual Integrations
 APPROVED

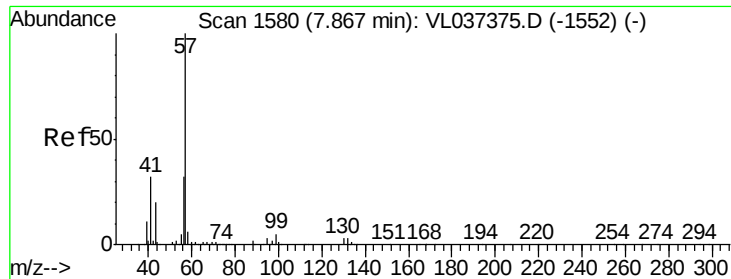
apatel
 8/12/2021 10:17:22 AM



#43
 Methyl Methacrylate
 Concen: 0.529 ppbv
 RT: 8.01 min Scan# 1626
 Delta R.T. 0.01 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.8	179.6#
100	36.2	27.7	41.5





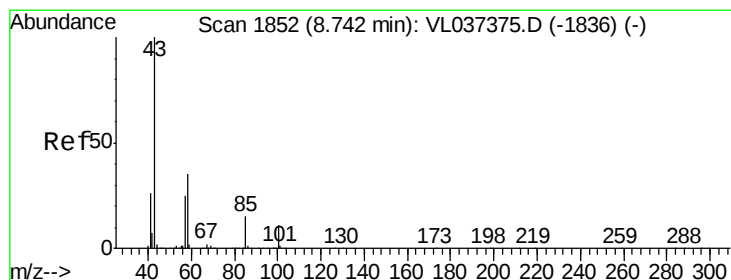
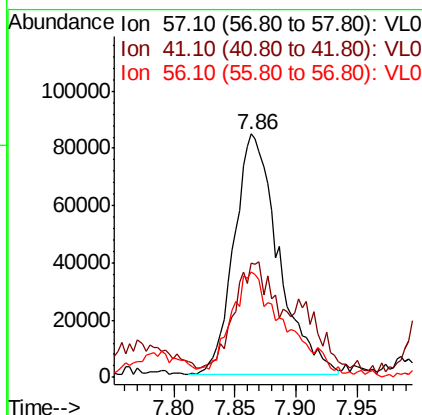
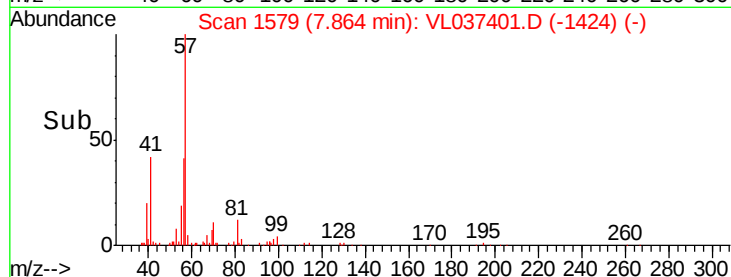
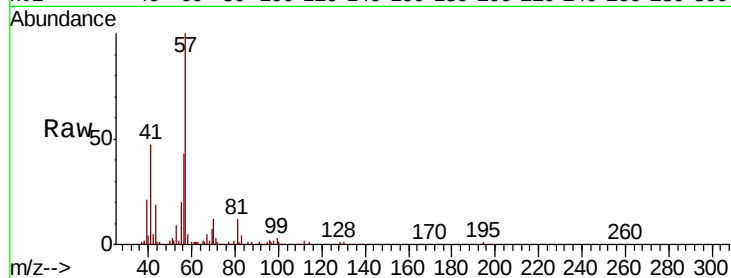
#44
 2,2,4-Trimethylpentane
 Concen: 0.441 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	45.4	26.1	39.1#
56	53.6	25.1	37.7#

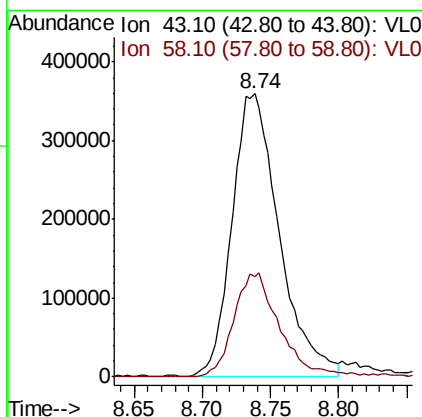
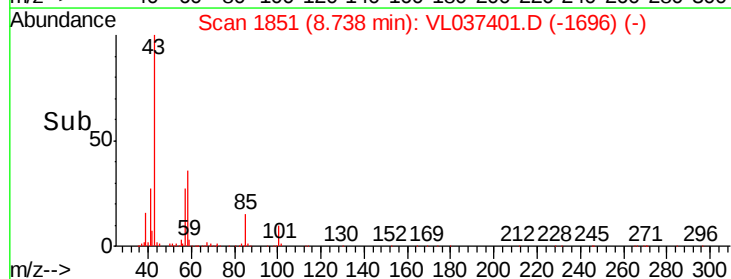
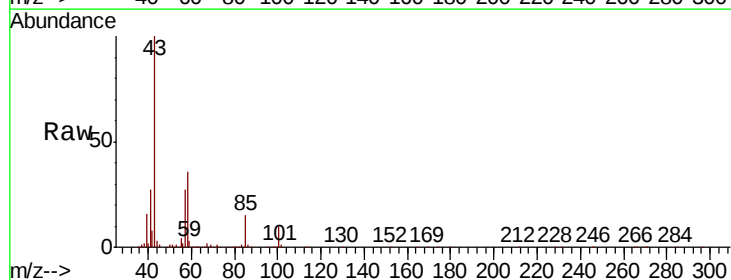
Manual Integrations
 APPROVED

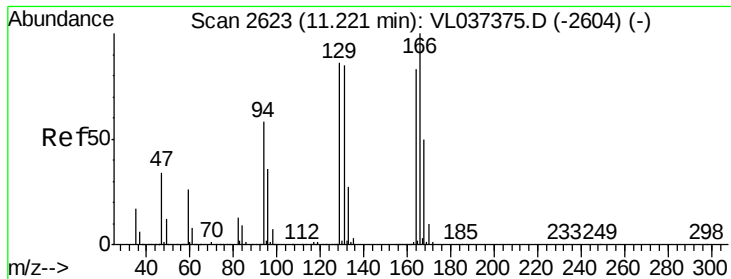
apatel
 8/12/2021 10:17:22 AM



#50
 4-Methyl-2-Pentanone
 Concen: 4.718 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.4	44.2





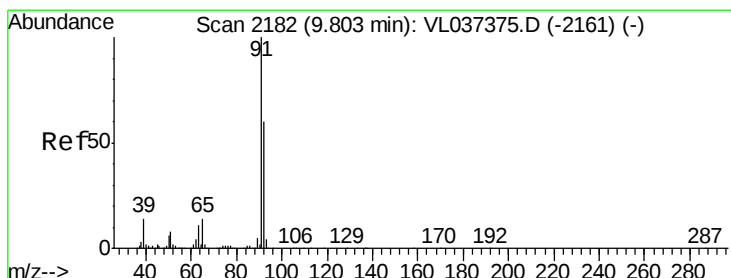
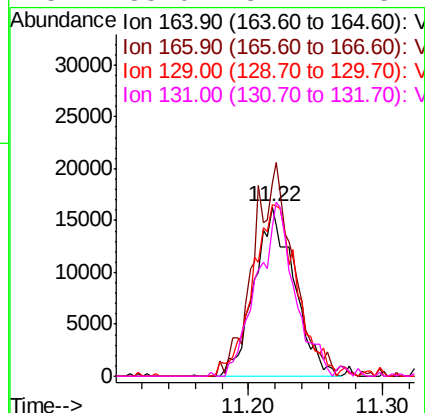
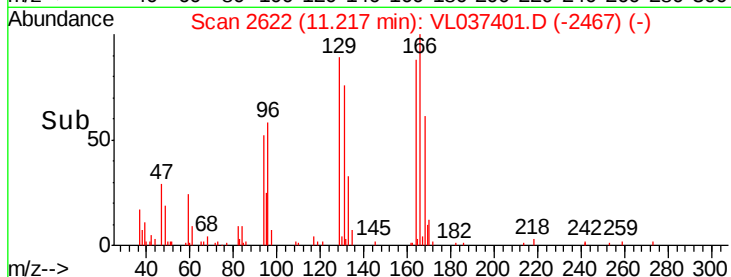
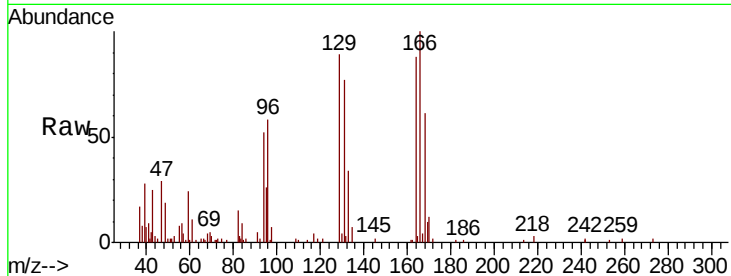
#52
Tetrachloroethene
Concen: 0.283 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Tot Ion:	164	Resp:	33615
Ion	Ratio	Lower	Upper
164	100		
166	113.7	96.5	144.7
129	100.9	83.2	124.8
131	88.0	82.2	123.2

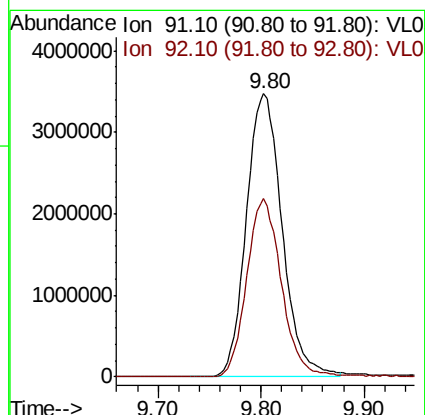
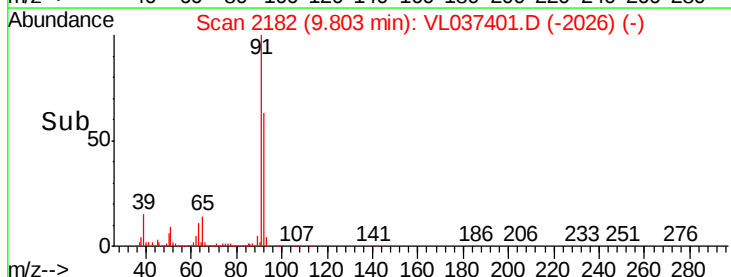
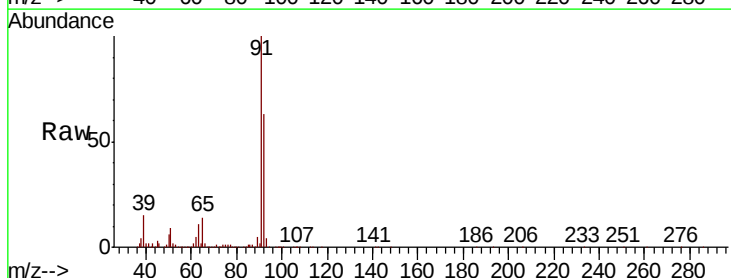
Manual Integrations
APPROVED

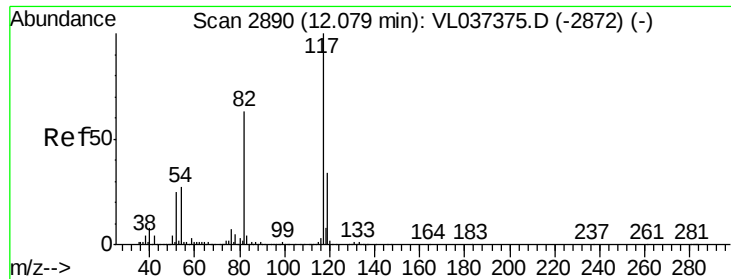
apatel
8/12/2021 10:17:22 AM



#53
Toluene
Concen: 24.755 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion:	91	Resp:	8365480
Ion	Ratio	Lower	Upper
91	100		
92	61.6	48.1	72.1





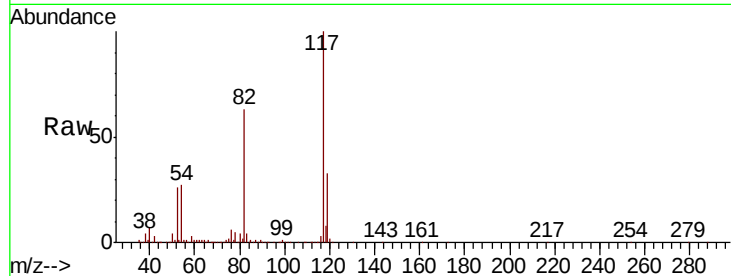
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

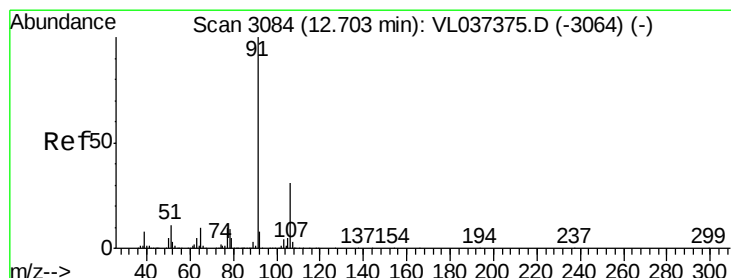
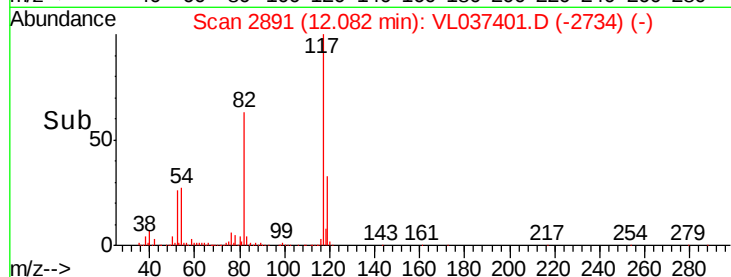
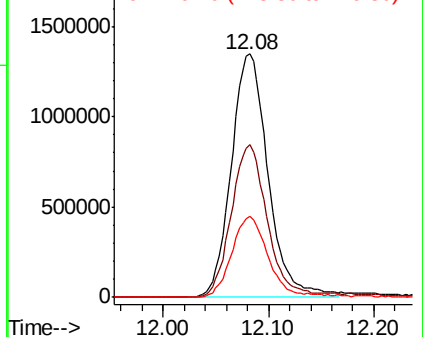
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	52.6	78.8
119	33.8	46.7	70.1#

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM

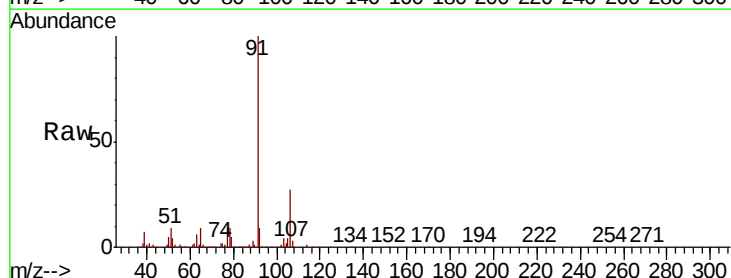


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

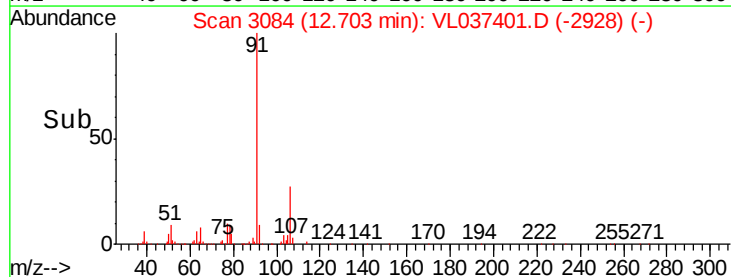
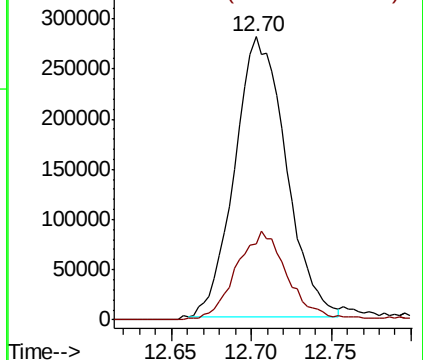


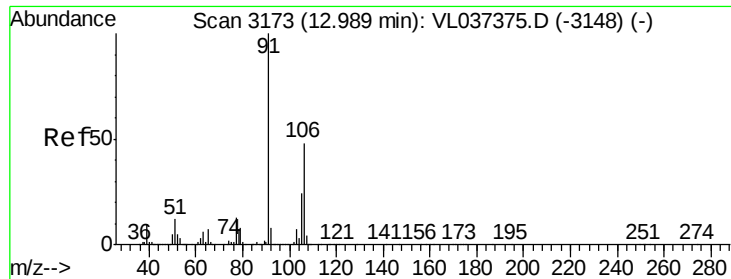
#58
Ethyl Benzene
Concen: 1.393 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.7	24.6	36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





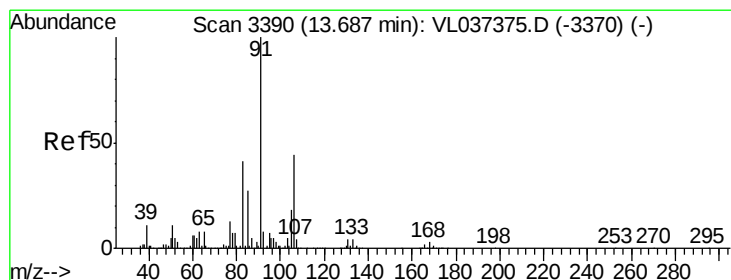
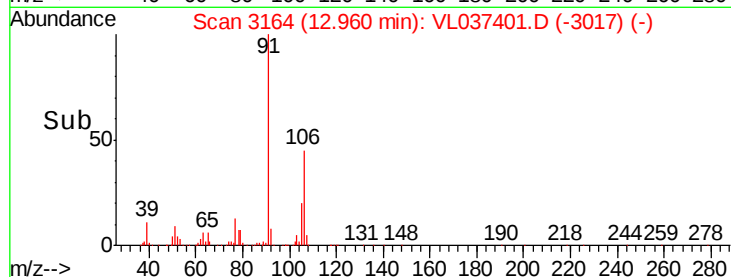
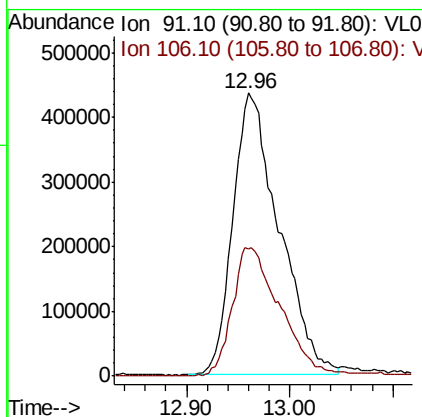
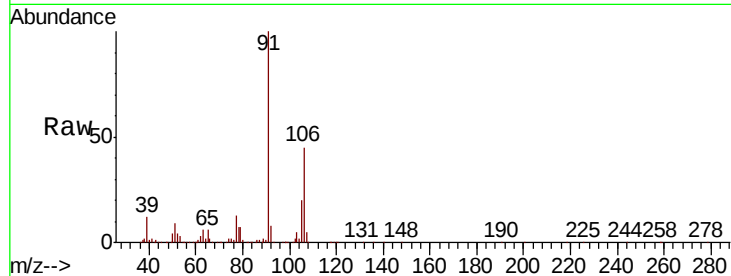
#59
m/p-Xylene
Concen: 3.614 ppbv
RT: 12.96 min Scan# 3164
Delta R.T. -0.03 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 91 Resp: 1359380
Ion Ratio Lower Upper
91 100
106 49.0 36.6 55.0

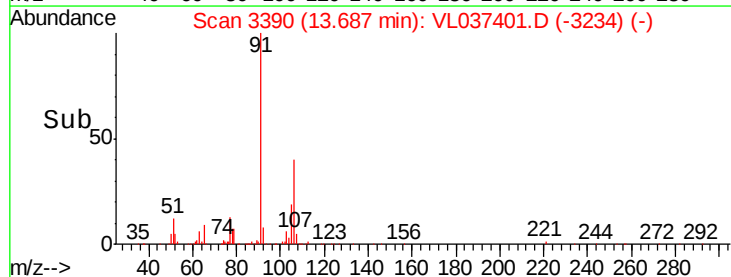
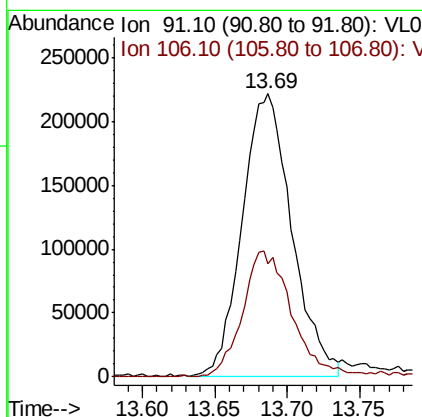
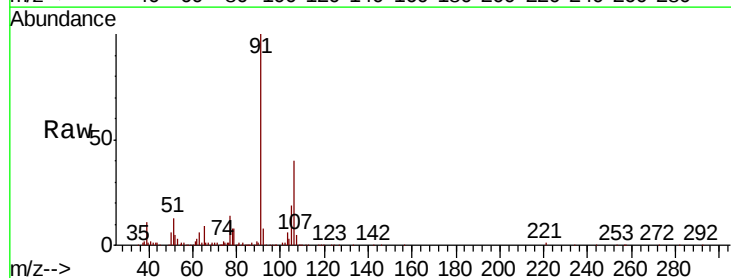
Manual Integrations
APPROVED

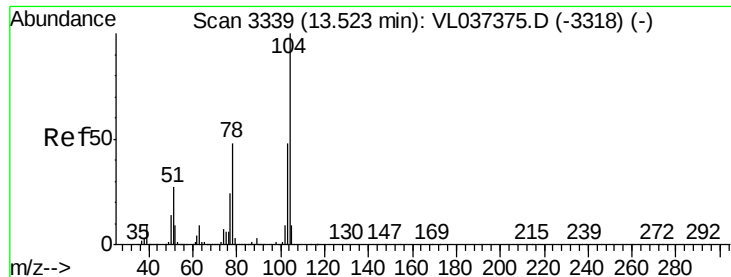
apatel
8/12/2021 10:17:22 AM



#60
o-Xylene
Concen: 1.508 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion: 91 Resp: 525784
Ion Ratio Lower Upper
91 100
106 45.3 23.2 69.6





#61

Stvrene

Concen: 3.569 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Instrument :

MSVOA_L

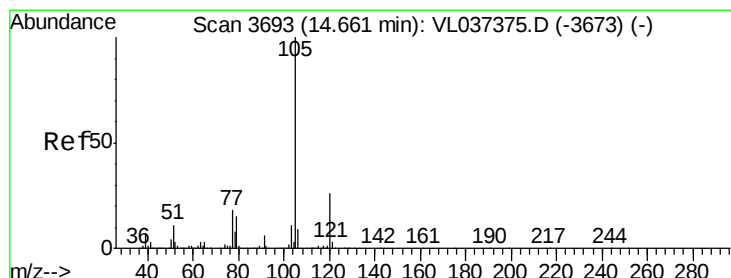
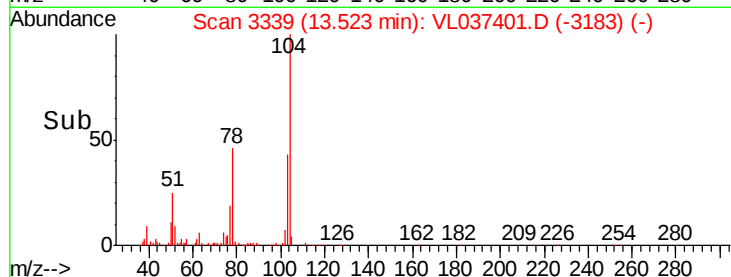
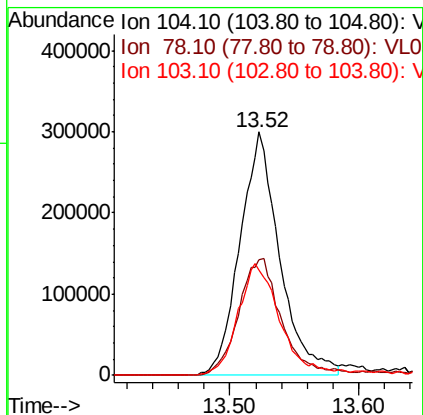
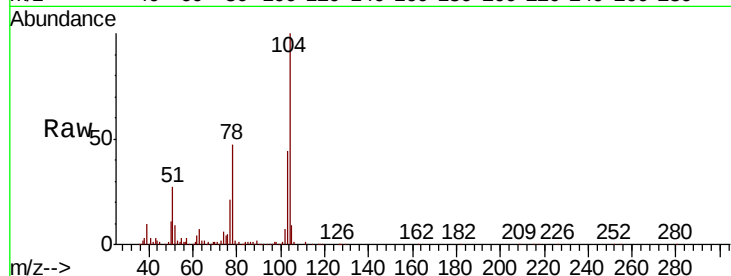
ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1

Tot Ion:	104	Resp:	644787
Ion Ratio		Lower	Upper
104	100		
78	53.1	41.4	62.0
103	50.3	40.6	61.0

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM



#62

Isopropylbenzene

Concen: 0.205 ppbv

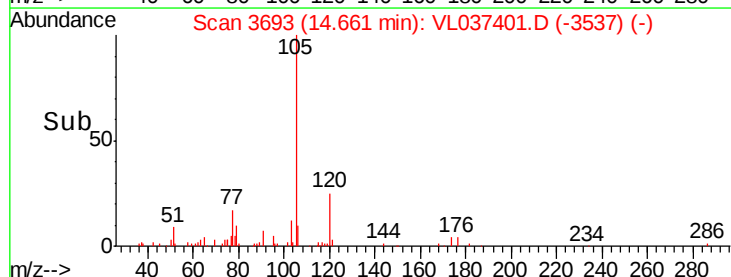
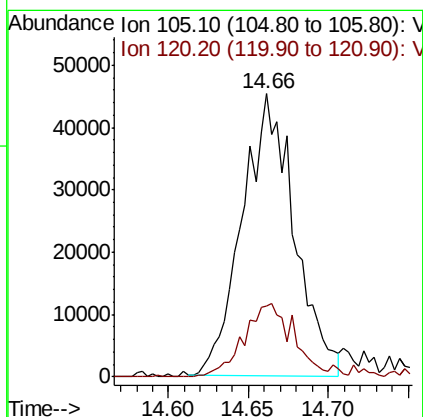
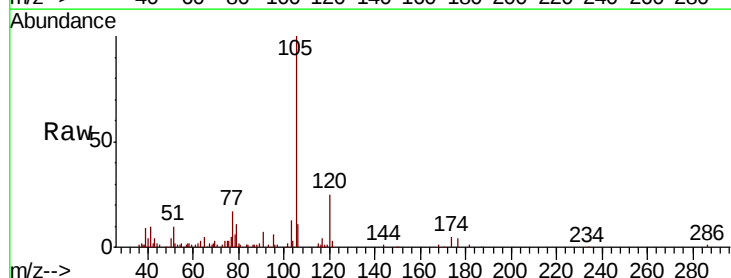
RT: 14.66 min Scan# 3693

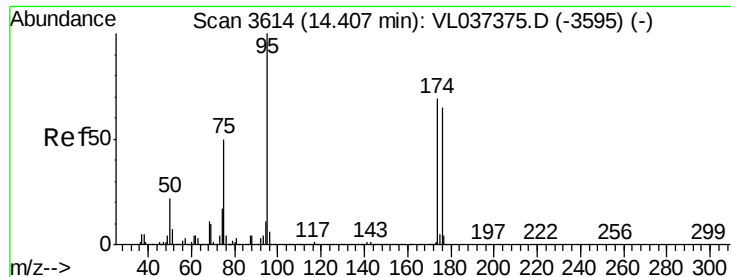
Delta R.T. 0.00 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Tgt Ion:	105	Resp:	100504
Ion Ratio		Lower	Upper
105	100		
120	27.4	21.4	32.0





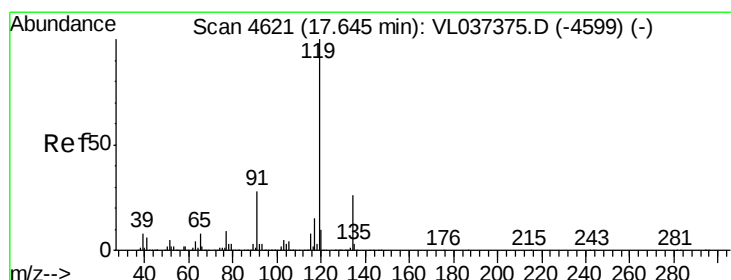
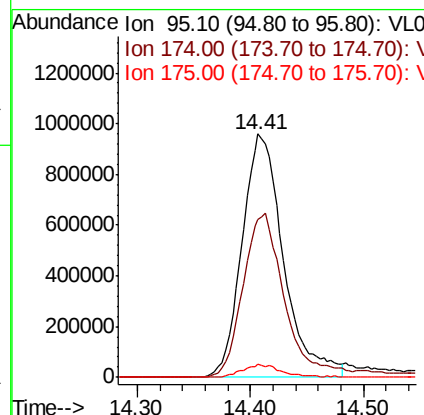
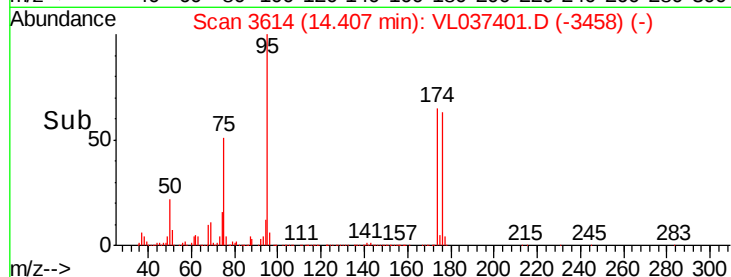
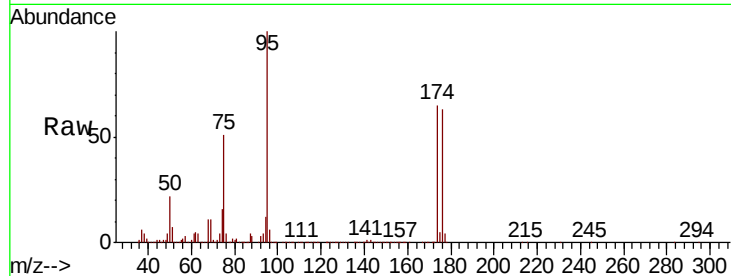
#68
1-Bromo-4-Fluorobenzene
Concen: 10.022 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

Tot Ion: 95 Resp: 2446602
Ion Ratio Lower Upper
95 100
174 71.6 58.3 87.5
175 5.1 4.3 6.5

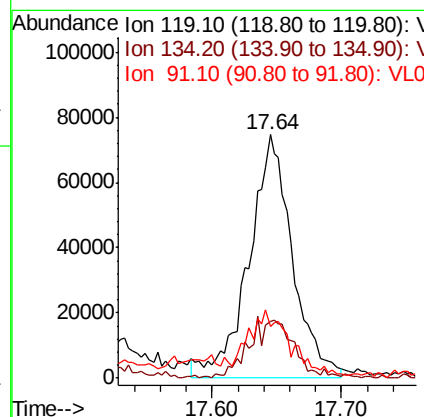
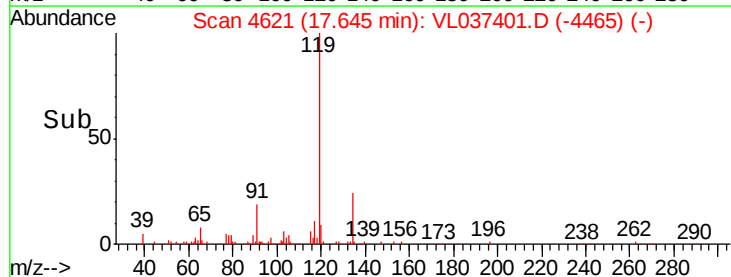
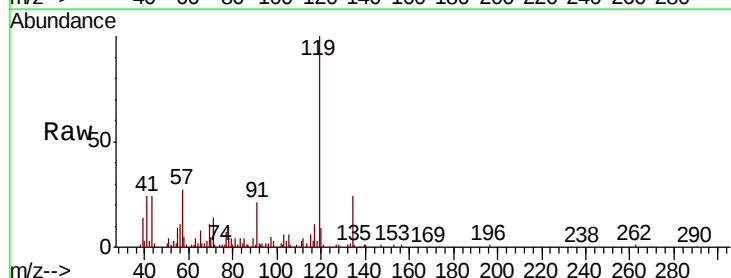
Manual Integrations
APPROVED

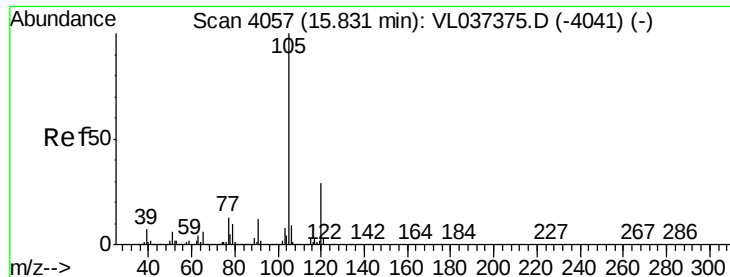
apatel
8/12/2021 10:17:22 AM



#69
p-Isopropyltoluene
Concen: 0.355 ppbv m
RT: 17.64 min Scan# 4621
Delta R.T. -0.00 min
Lab File: VL037401.D
Acq: 11 Aug 2021 22:35

Tgt Ion: 119 Resp: 174640
Ion Ratio Lower Upper
119 100
134 25.4 20.5 30.7
91 26.9 22.5 33.7





#72

4-Ethyltoluene

Concen: 0.612 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.00 min

Lab File: VL037401.D

Acq: 11 Aug 2021 22:35

Instrument :

MSVOA_L

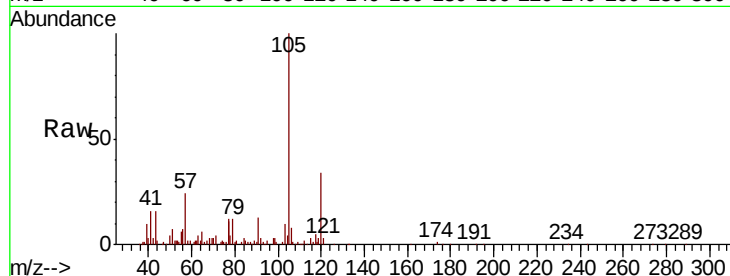
ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1

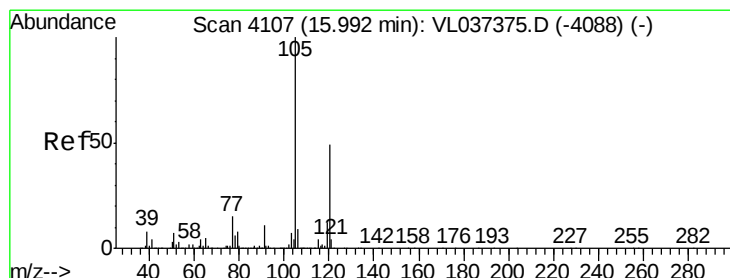
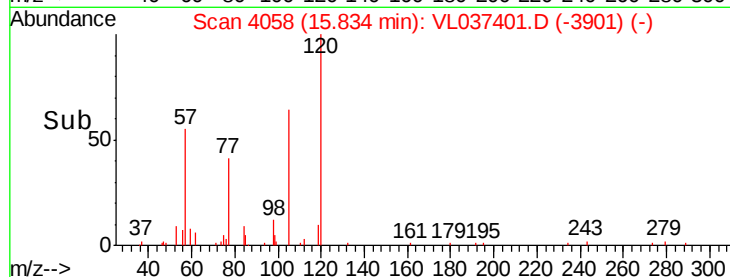
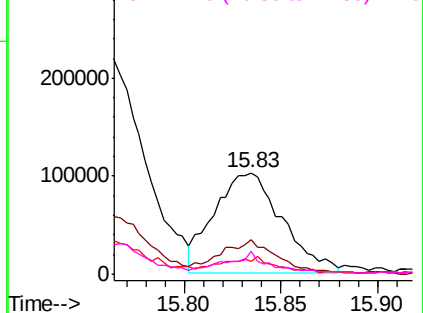
Tot Ion	Ratio	Resp	Lower	Upper
105	100	249708		
120	31.5	24.5	36.7	
91	12.7	9.9	14.9	
77	14.6	10.8	16.2	

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:22 AM



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.559 ppbv m

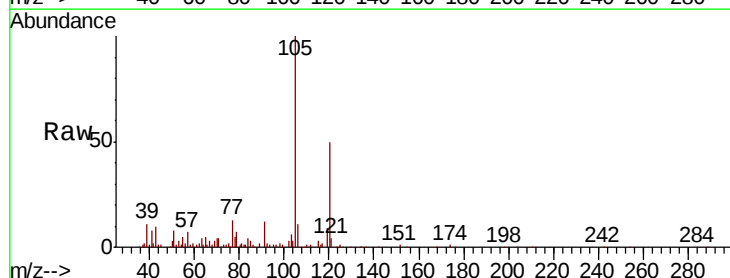
RT: 15.99 min Scan# 4106

Delta R.T. -0.00 min

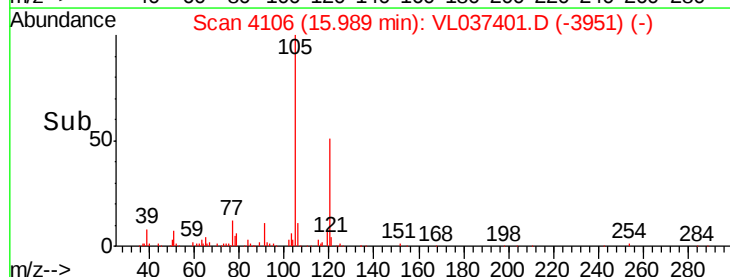
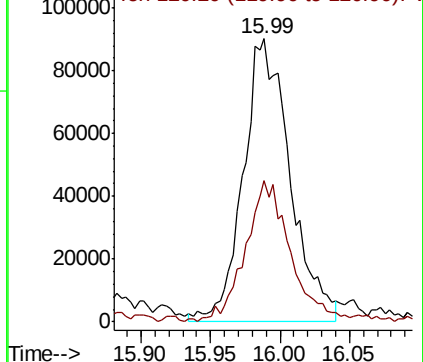
Lab File: VL037401.D

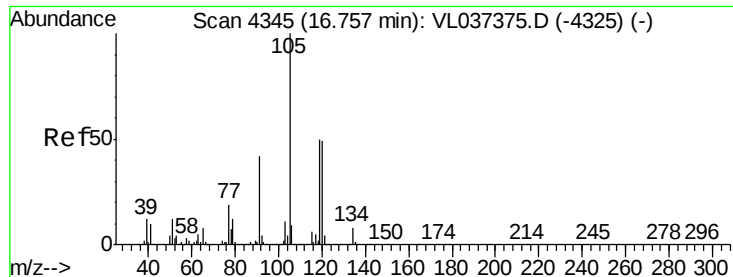
Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211530		
120	49.9	38.9	58.3	



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





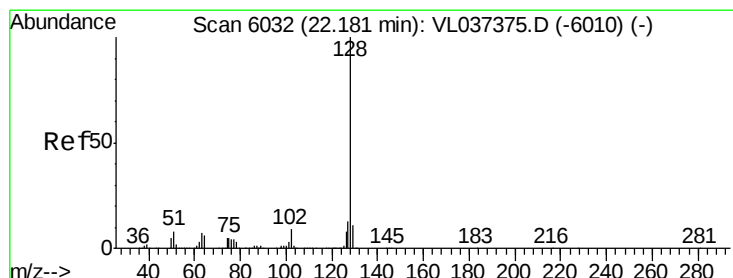
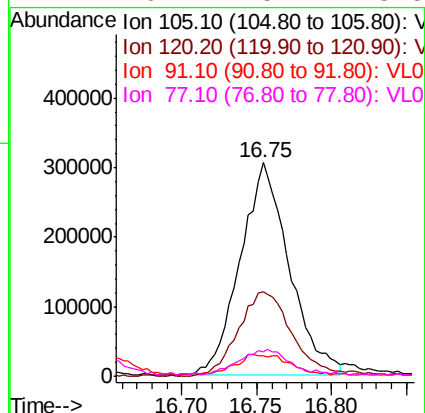
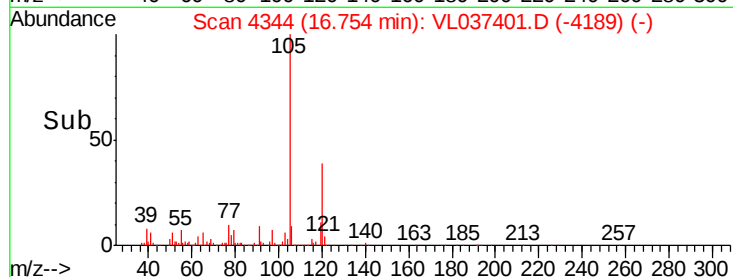
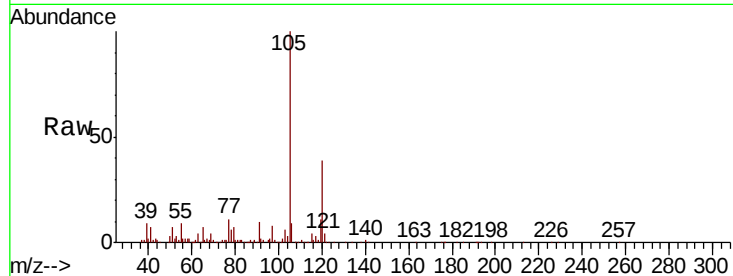
#74
 1,2,4-Trimethylbenzene
 Concen: 1.805 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Tot Ion	Ratio	Resp	Lower	Upper
105	100	693476		
120	39.6	39.0	58.4	
91	8.7	34.4	51.6#	
77	10.7	15.7	23.5#	

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:17:22 AM



#79
 Naphthalene
 Concen: 0.157 ppbv m
 RT: 22.19 min Scan# 6035
 Delta R.T. 0.01 min
 Lab File: VL037401.D
 Acq: 11 Aug 2021 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	32813		
127	8.1	10.6	15.8#	
129	17.6	9.0	13.4#	

