

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034777.D
 Acq On : 4 Mar 2020 2:04
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 3/4/2020 4:44:55 PM

Quant Time: Mar 04 06:08:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 05:54:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1142370	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2342737	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2417805	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1964779	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	432065	2.398 ppbv	95
3) Chlorodifluoromethane	2.97	51	270419	2.186 ppbv	98
4) Chloromethane	3.12	50	150686	2.195 ppbv	93
5) Vinyl Chloride	3.24	62	141159	2.092 ppbv	98
6) Bromomethane	3.46	94	83955	2.127 ppbv	93
7) Chloroethane	3.54	64	50934	2.041 ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	339217	2.131 ppbv	97
9) Propene	2.99	41	107892	2.098 ppbv	99
10) Heptane	8.16	43	278275	2.099 ppbv	98
11) Trichlorofluoromethane	3.94	101	350744	2.221 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	245449	2.214 ppbv	95
13) Ethanol	3.60	45	27581	1.702 ppbv	94
14) Bromoethene	3.73	108	99401	2.137 ppbv	96
15) Acetone	3.84	43	290296	2.227 ppbv	99
16) 1,3-Butadiene	3.31	39	130676	2.160 ppbv	99
17) tert-Butyl alcohol	4.30	59	156234	1.563 ppbv	98
18) 1,1-Dichloroethene	4.29	96	102528	2.059 ppbv	89
19) Isopropyl Alcohol	3.97	45	121775	1.566 ppbv #	93
20) Methylene Chloride	4.34	84	100185	2.075 ppbv	95
21) Allyl Chloride	4.41	41	181211	2.122 ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	102546	2.132 ppbv	98
23) Vinyl Acetate	5.08	43	400547	2.261 ppbv	98
24) 1,1-Dichloroethane	5.01	63	299545	2.124 ppbv	100
25) Ethyl Acetate	5.69	43	498658	2.160 ppbv	99
26) Hexane	5.70	57	221772m	2.090 ppbv	
27) Carbon Disulfide	4.56	76	258013	2.165 ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	325362	2.150 ppbv	98
29) Chloroform	5.76	83	355356	2.101 ppbv	98
30) Cyclohexane	7.16	84	167424	2.034 ppbv #	83
31) cis-1,2-Dichloroethene	5.56	61	217977	2.086 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	333844	2.105 ppbv	99
34) 2-Butanone	5.26	43	332591	2.248 ppbv	98
35) Carbon Tetrachloride	7.05	117	346122	2.204 ppbv	98
36) Benzene	6.92	78	432670	2.143 ppbv	98
37) 1,2-Dichloroethane	6.33	62	278543	2.168 ppbv	100
38) Trichloroethene	7.87	130	154521	1.982 ppbv	95
39) 1,2-Dichloropropane	7.65	63	165556	2.066 ppbv	92
40) 1,4-Dioxane	7.88	88	47756m	1.752 ppbv	
41) Tetrahydrofuran	6.08	42	171178	2.208 ppbv	98
42) Bromodichloromethane	7.83	83	357658	2.129 ppbv #	98
43) Methyl Methacrylate	8.05	69	184917	2.179 ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034777.D
 Acq On : 4 Mar 2020 2:04
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

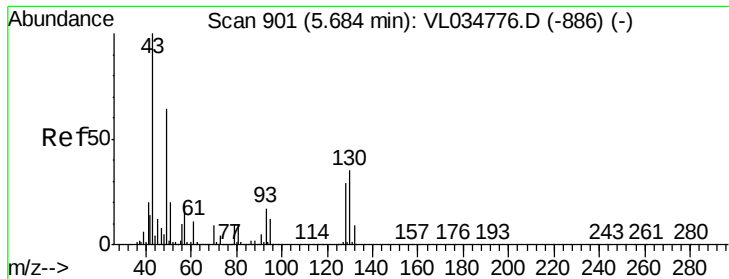
apatel
 3/4/2020 4:44:55 PM

Quant Time: Mar 04 06:08:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 05:54:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.90	57	769020	2.179	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	184720	2.005	ppbv	92
46) cis-1,3-Dichloropropene	8.74	75	226957	2.049	ppbv	95
47) 1,1,2-Trichloroethane	9.52	97	183926	2.225	ppbv	98
48) Dibromochloromethane	10.35	129	284601	2.205	ppbv	99
49) Bromoform	13.10	173	247736m	2.204	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	482948	2.301	ppbv	99
51) 2-Hexanone	10.18	43	385497	2.331	ppbv #	97
52) Tetrachloroethene	11.28	164	148421	1.995	ppbv	97
53) Toluene	9.85	91	470645	2.189	ppbv	99
54) 1,2-Dibromoethane	10.66	107	274775	2.226	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	226292	2.176	ppbv #	1
57) Chlorobenzene	12.20	112	393892	2.201	ppbv	97
58) Ethyl Benzene	12.76	91	657950	2.238	ppbv	98
59) m/p-Xylene	13.05	91	1134162m	4.445	ppbv	
60) o-Xylene	13.75	91	564462	2.220	ppbv	99
61) Styrene	13.58	104	356825	2.192	ppbv	99
62) Isopropylbenzene	14.73	105	847152	2.283	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.73	83	424324	2.142	ppbv	100
64) n-propylbenzene	15.62	120	209781	2.195	ppbv	84
65) tert-Butylbenzene	16.81	119	726400	2.263	ppbv	96
66) Benzyl Chloride	17.06	91	204758	1.759	ppbv	98
67) sec-Butylbenzene	17.36	105	1079139	2.332	ppbv	98
69) p-Isopropyltoluene	17.72	119	869406	2.282	ppbv	99
70) n-Butylbenzene	18.62	91	950487	2.288	ppbv	97
71) 2-Chlorotoluene	15.52	91	659608	2.290	ppbv	97
72) 4-Ethyltoluene	15.91	105	645881	2.277	ppbv	100
73) 1,3,5-Trimethylbenzene	16.06	105	613420	2.244	ppbv	90
74) 1,2,4-Trimethylbenzene	16.82	105	672747m	2.227	ppbv	
75) 1,3-Dichlorobenzene	17.07	146	381140	2.186	ppbv	97
76) 1,4-Dichlorobenzene	17.20	146	357532	2.055	ppbv	96
77) 1,2-Dichlorobenzene	17.89	146	375413	2.229	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	317545	2.188	ppbv	99
79) Naphthalene	22.30	128	480449	1.804	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	108575	1.322	ppbv	97
81) 1,2,4-Trichlorobenzene	22.01	180	308653m	1.938	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1142370

Ion Ratio Lower Upper

49 100

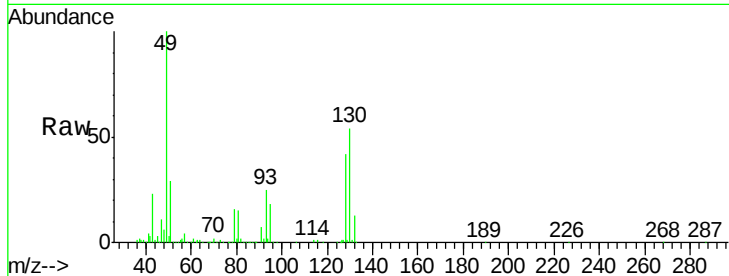
128 43.3 21.6 64.6

130 56.0 27.4 82.2

Manual Integrations
APPROVED

apatel

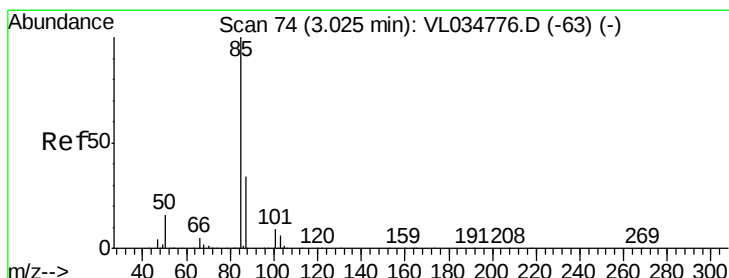
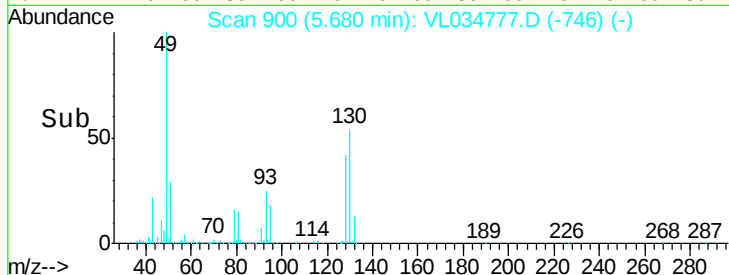
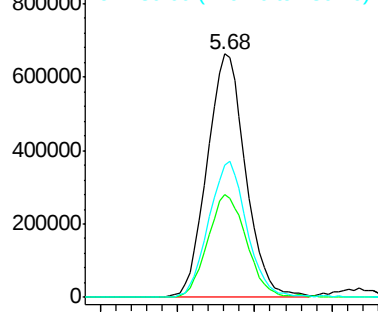
3/4/2020 4:44:55 PM



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



#2

Dichlorodifluoromethane

Concen: 2.398 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL034777.D

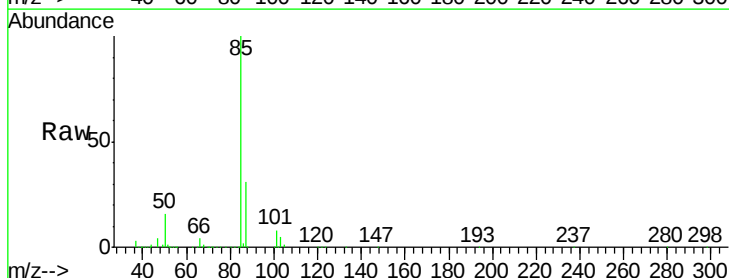
Acq: 4 Mar 2020 2:04

Tgt Ion: 85 Resp: 432065

Ion Ratio Lower Upper

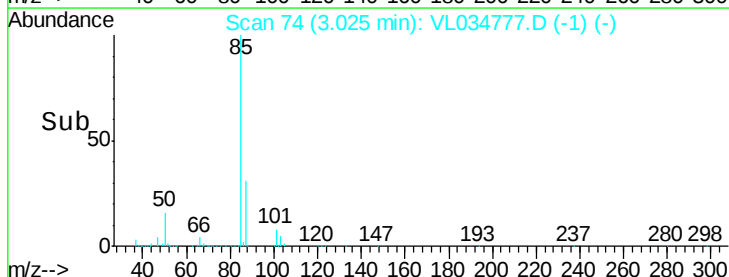
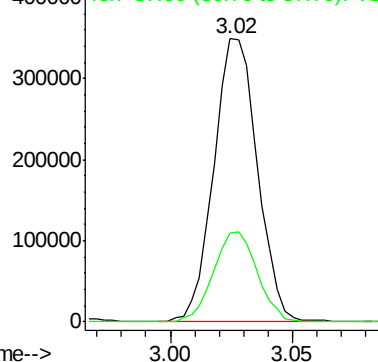
85 100

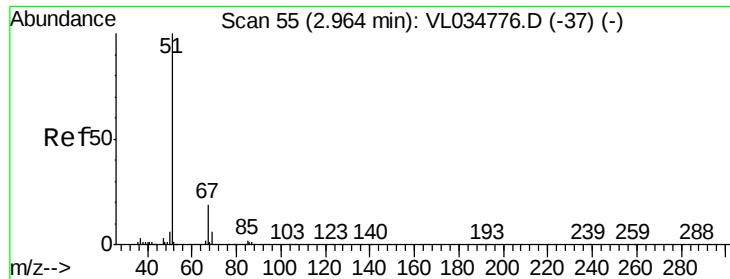
87 31.2 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.186 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 270419

Ion Ratio Lower Upper

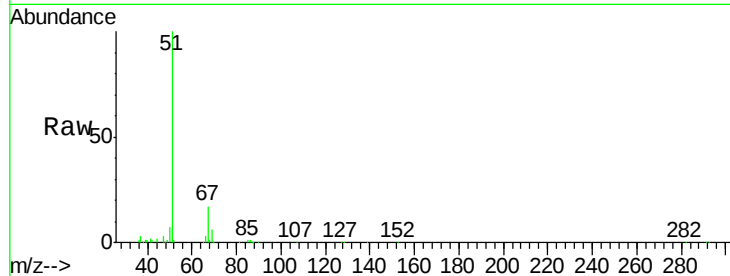
51 100

67 18.4 15.3 22.9

Manual Integrations
APPROVED

apatel

3/4/2020 4:44:55 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

250000

200000

150000

100000

50000

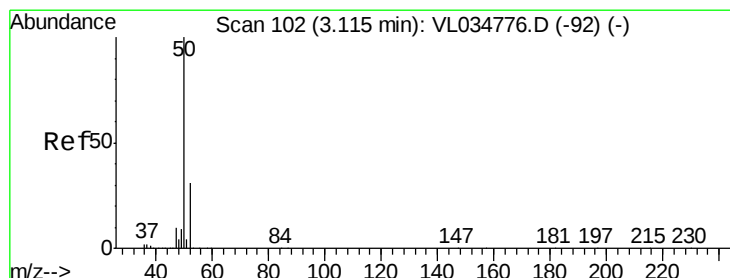
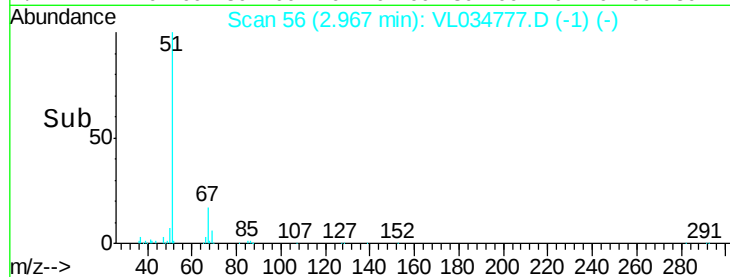
0

2.90

3.00

3.10

Time-->



#4

Chloromethane

Concen: 2.195 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.01 min

Lab File: VL034777.D

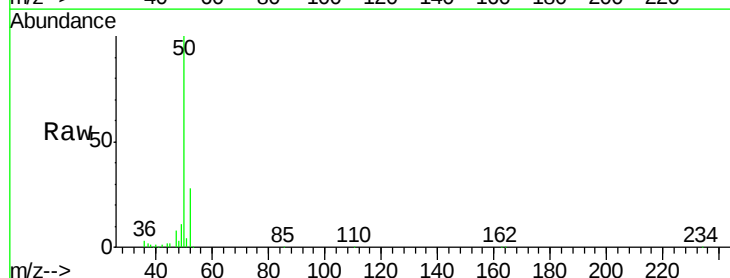
Acq: 4 Mar 2020 2:04

Tgt Ion: 50 Resp: 150686

Ion Ratio Lower Upper

50 100

52 27.2 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

120000

100000

80000

60000

40000

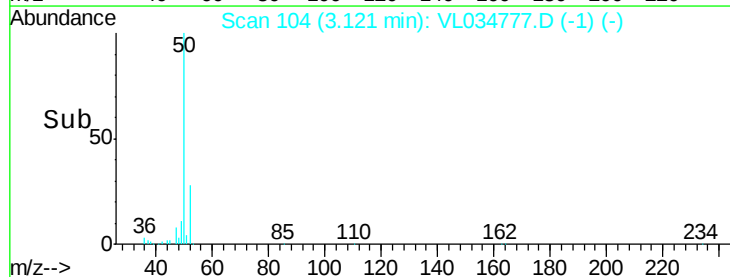
20000

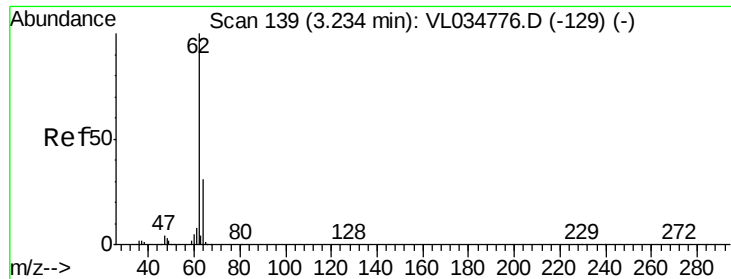
0

3.10

3.15

Time-->





#5

Vinyl Chloride

Concen: 2.092 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 141159

Ion Ratio Lower Upper

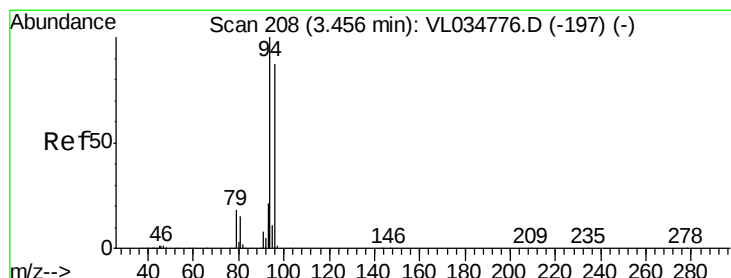
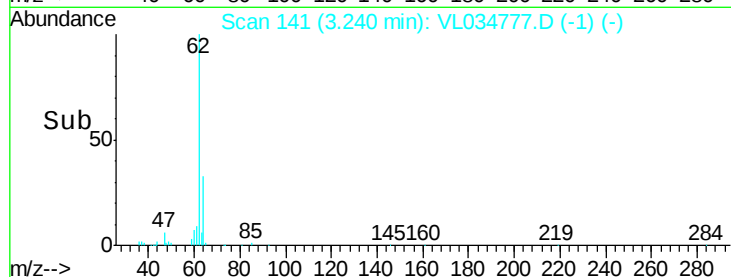
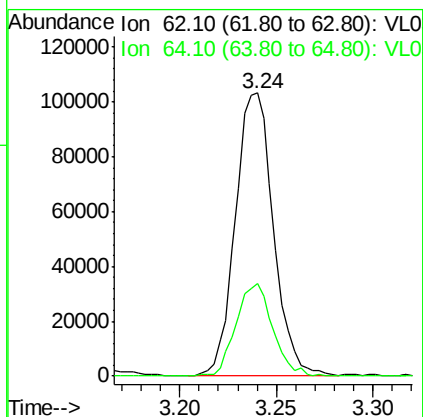
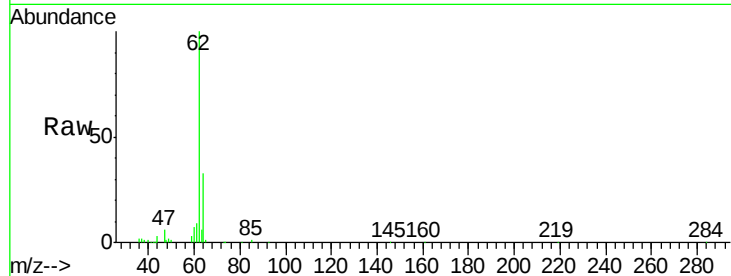
62 100

64 32.8 25.1 37.7

Manual Integrations
APPROVED

apatel

3/4/2020 4:44:55 PM



#6

Bromomethane

Concen: 2.127 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL034777.D

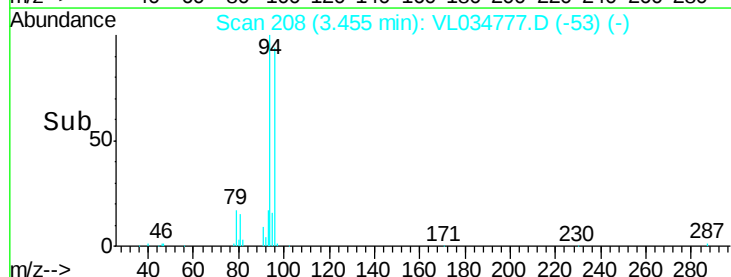
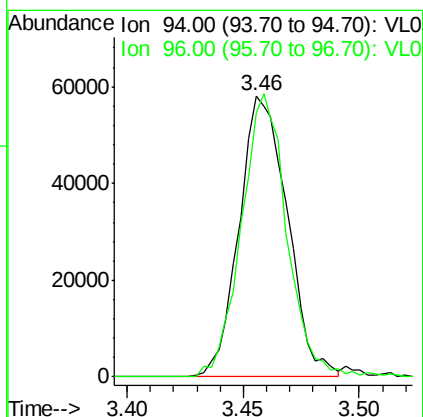
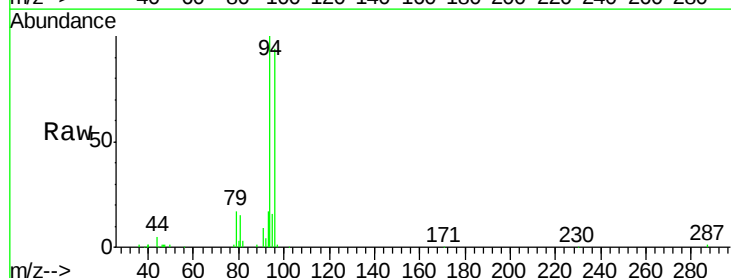
Acq: 4 Mar 2020 2:04

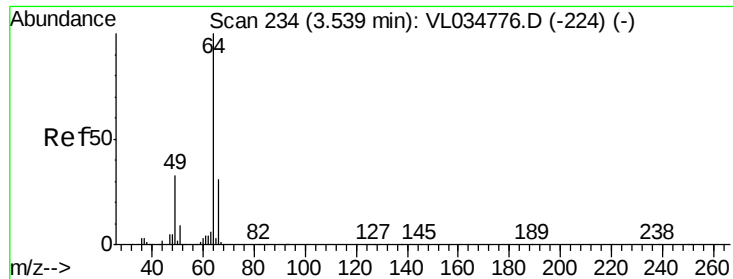
Tgt Ion: 94 Resp: 83955

Ion Ratio Lower Upper

94 100

96 94.2 70.0 105.0





#7

Chloroethane

Concen: 2.041 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 50934

Ion Ratio Lower Upper

64 100

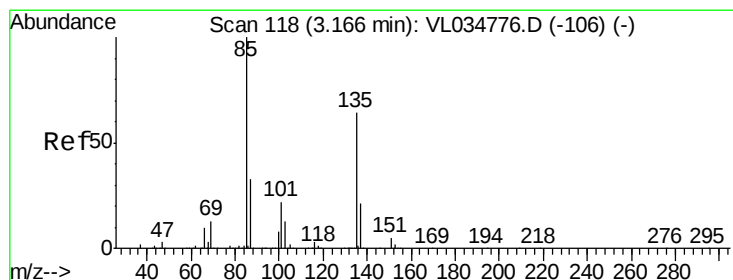
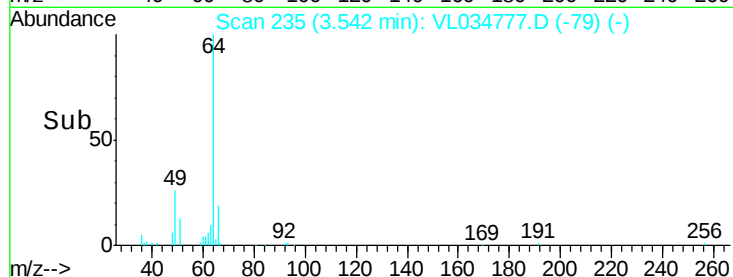
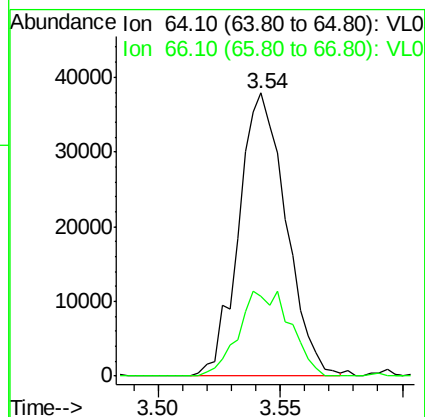
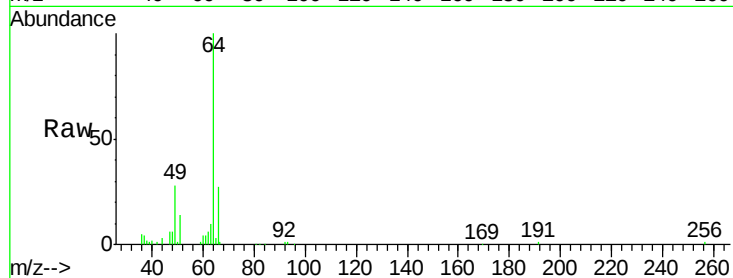
66 28.4 24.8 37.2

Manual Integrations

APPROVED

apatel

3/4/2020 4:44:55 PM



#8

Dichlorotetrafluoroethane

Concen: 2.131 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL034777.D

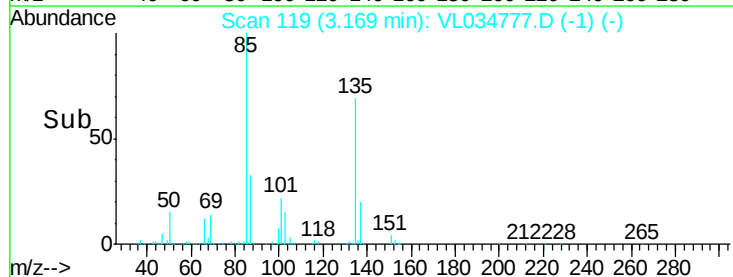
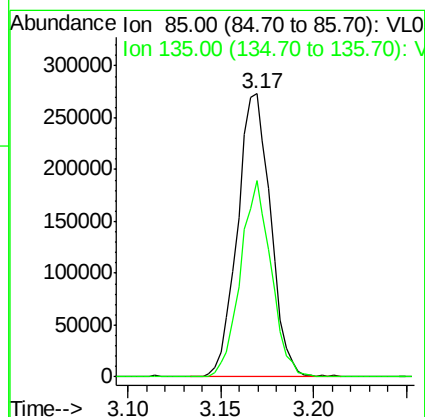
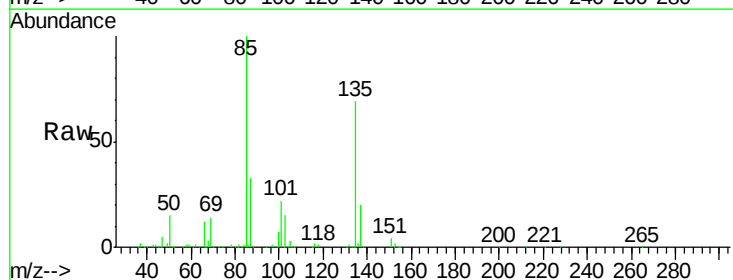
Acq: 4 Mar 2020 2:04

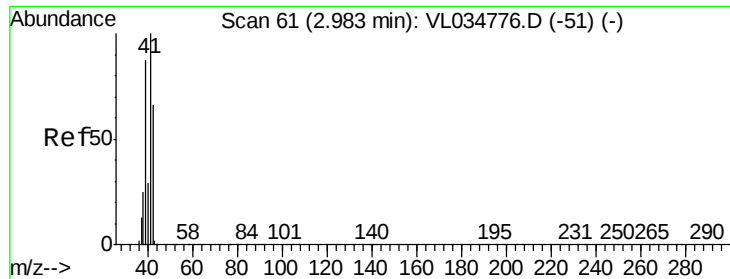
Tgt Ion: 85 Resp: 339217

Ion Ratio Lower Upper

85 100

135 64.3 49.4 74.2





#9

Propene

Concen: 2.098 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 107892

Ion Ratio Lower Upper

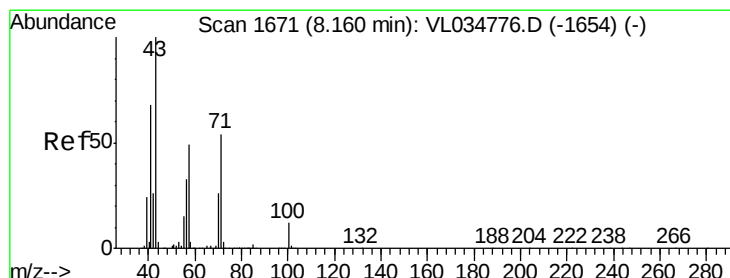
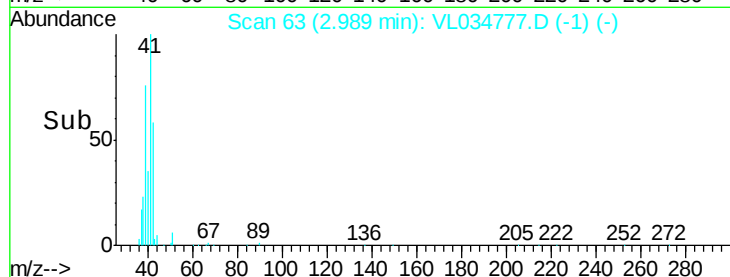
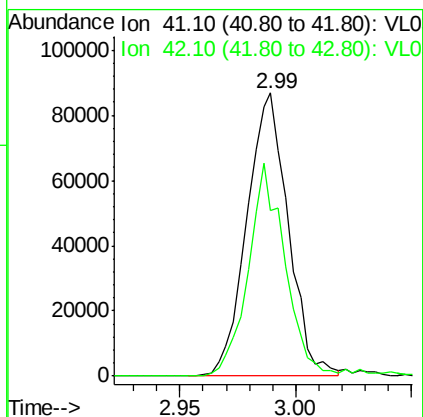
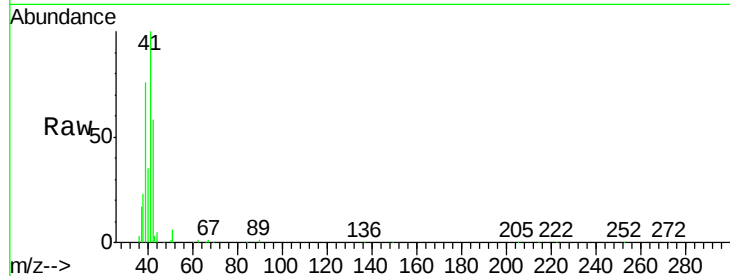
41 100

42 68.6 55.6 83.4

Manual Integrations
APPROVED

apatel

3/4/2020 4:44:55 PM



#10

Heptane

Concen: 2.099 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VL034777.D

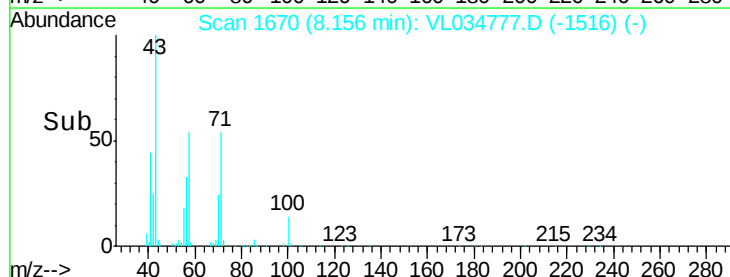
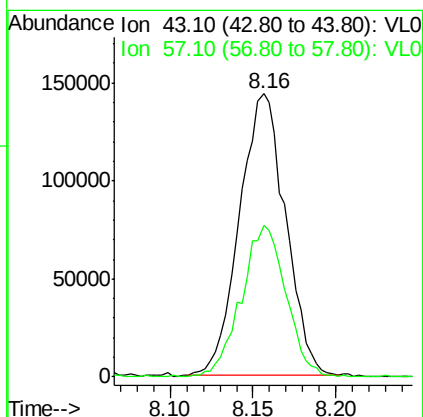
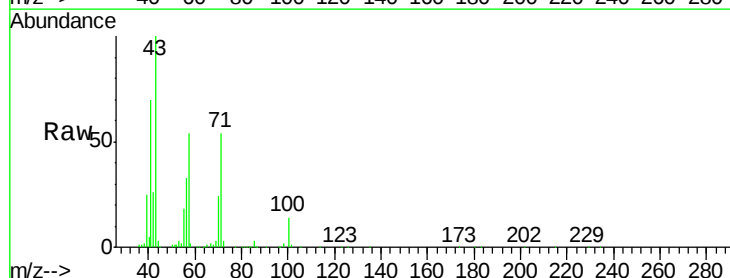
Acq: 4 Mar 2020 2:04

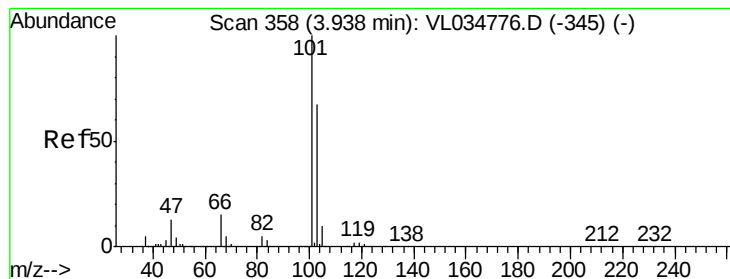
Tgt Ion: 43 Resp: 278275

Ion Ratio Lower Upper

43 100

57 52.2 40.5 60.7





#11

Trichlorofluoromethane

Concen: 2.221 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 350744

Ion Ratio Lower Upper

101 100

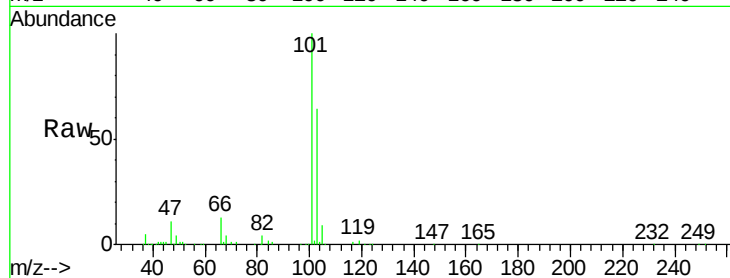
103 64.1 53.6 80.4

Manual Integrations

APPROVED

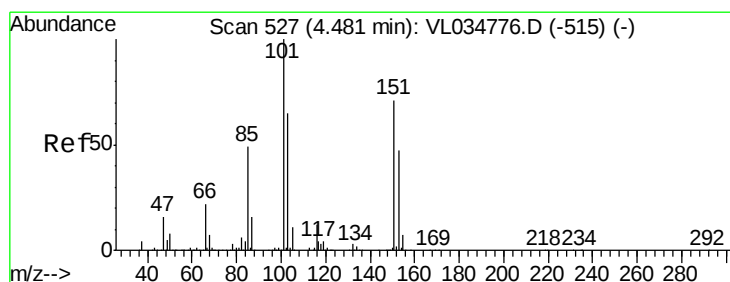
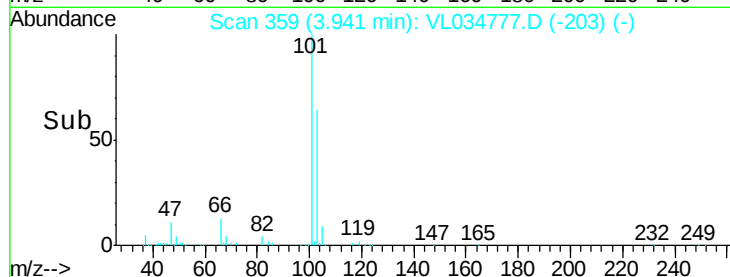
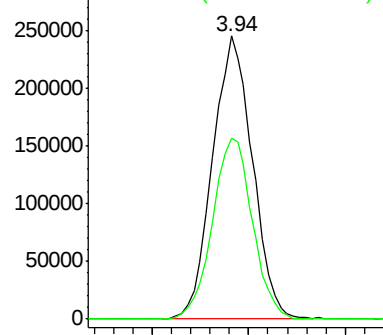
apatel

3/4/2020 4:44:55 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.214 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL034777.D

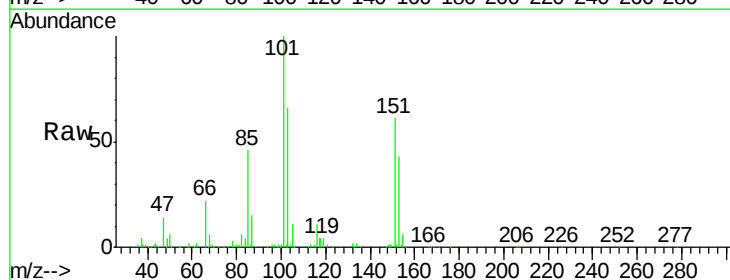
Acq: 4 Mar 2020 2:04

Tgt Ion:101 Resp: 245449

Ion Ratio Lower Upper

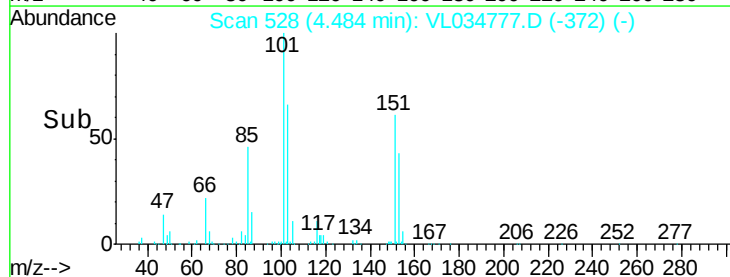
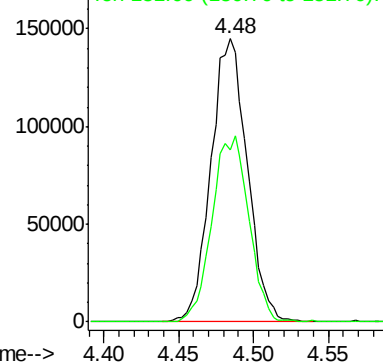
101 100

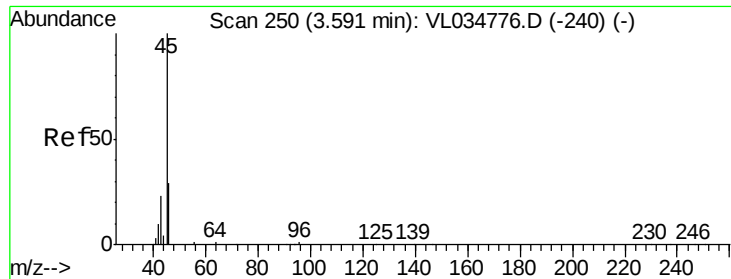
151 66.4 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.702 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 27581

Ion Ratio Lower Upper

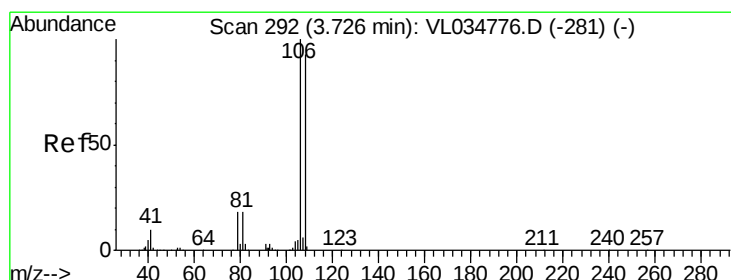
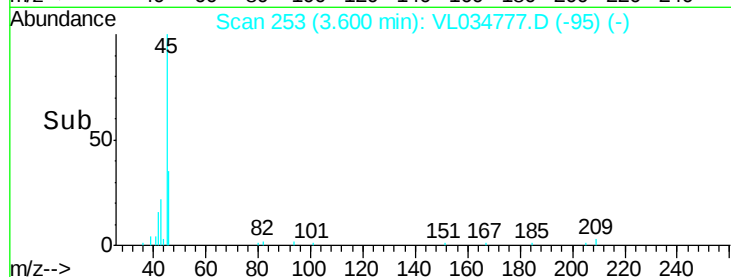
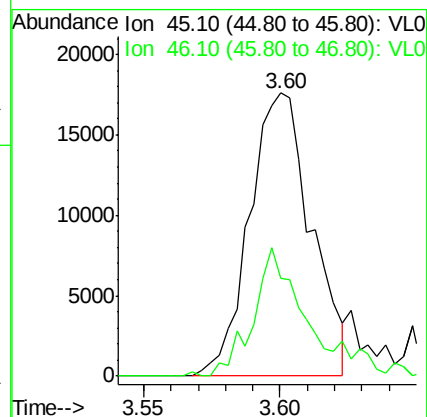
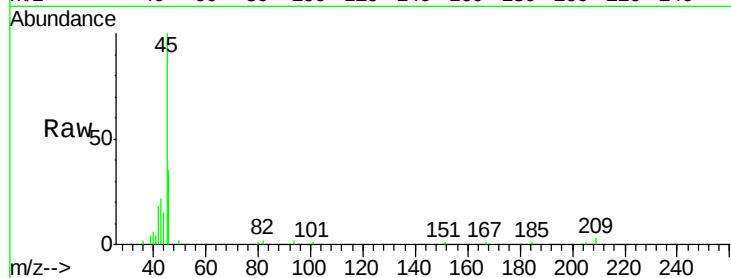
45 100

46 40.6 14.7 58.9

Manual Integrations
APPROVED

apatel

3/4/2020 4:44:55 PM



#14

Bromoethene

Concen: 2.137 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

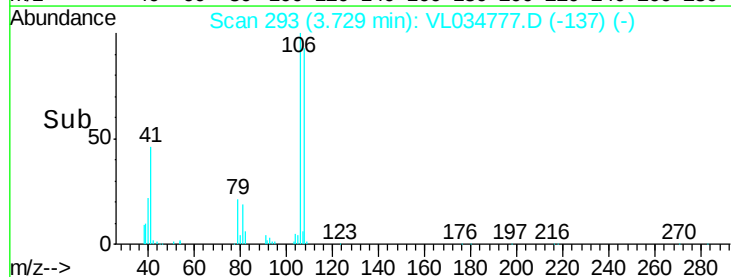
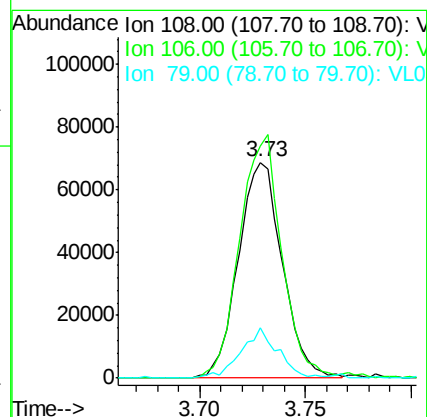
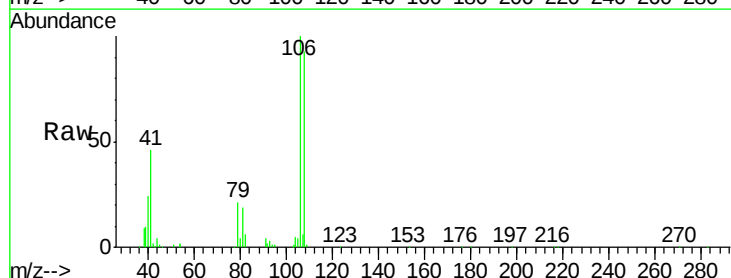
Tgt Ion: 108 Resp: 99401

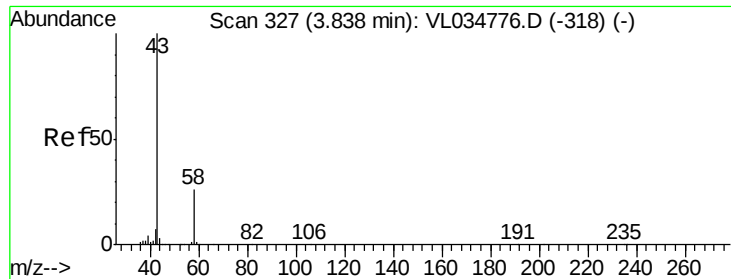
Ion Ratio Lower Upper

108 100

106 109.4 83.5 125.3

79 20.4 15.6 23.4





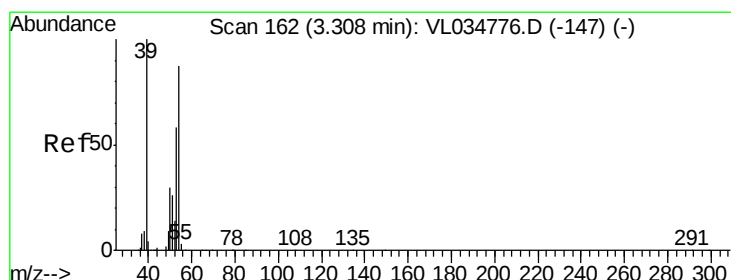
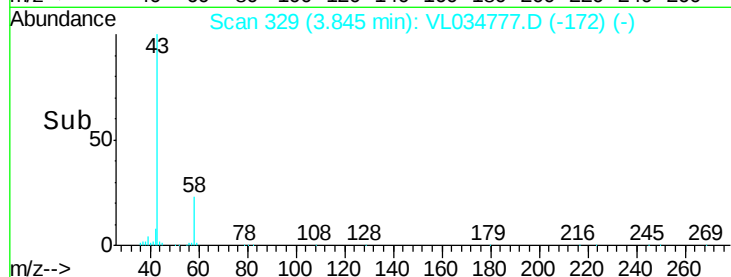
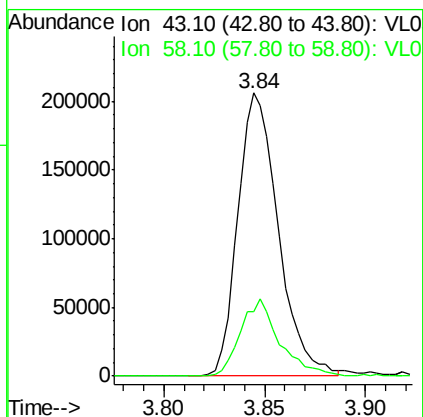
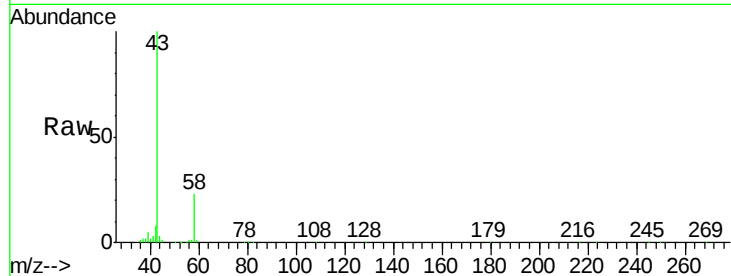
#15
Acetone
Concen: 2.227 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.0	31.6

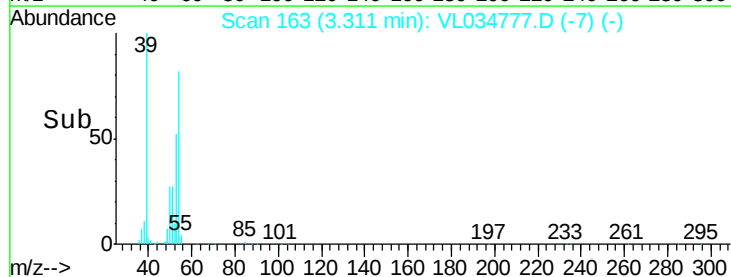
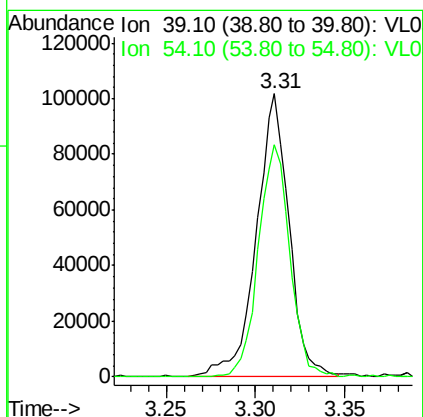
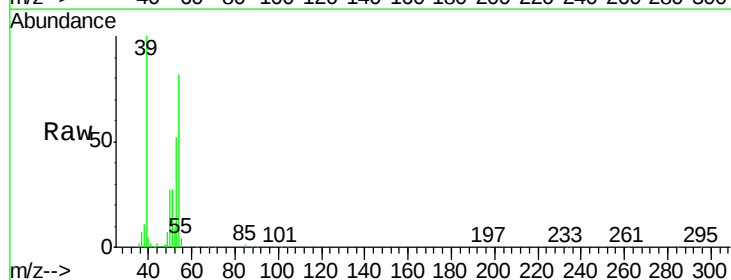
Manual Integrations
APPROVED

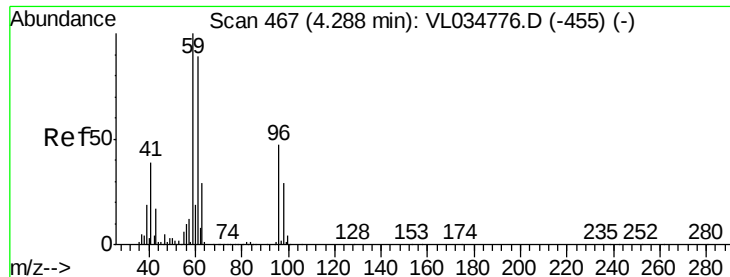
apatel
3/4/2020 4:44:55 PM



#16
1,3-Butadiene
Concen: 2.160 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
39	100		
54	79.2	64.2	96.2





#17

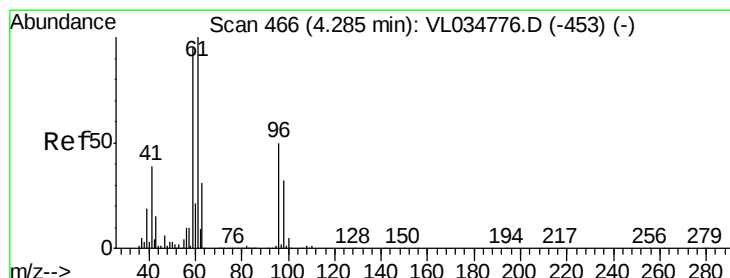
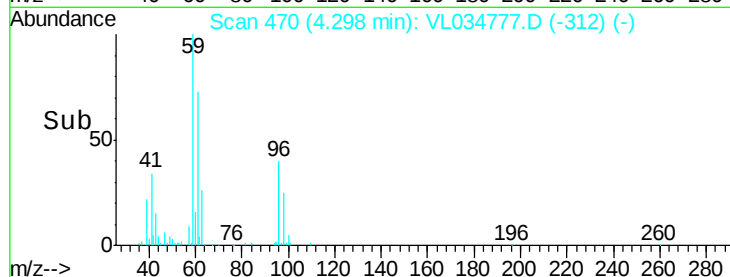
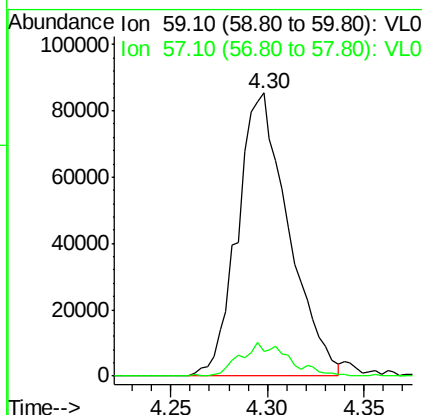
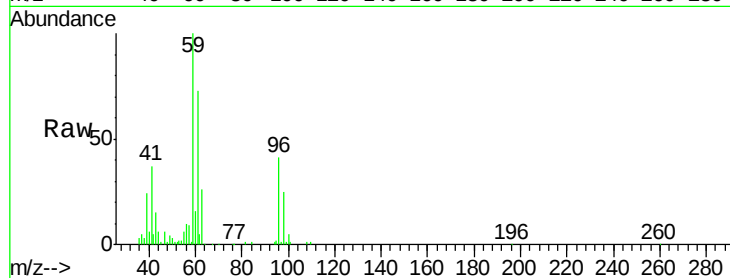
tert-Butyl alcohol
Concen: 1.563 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59.10 (58.80 to 59.80): VL0	Resp	156234
Ion Ratio	Lower	Upper	
59	100		
57	11.4	8.6	13.0

Manual Integrations
APPROVED

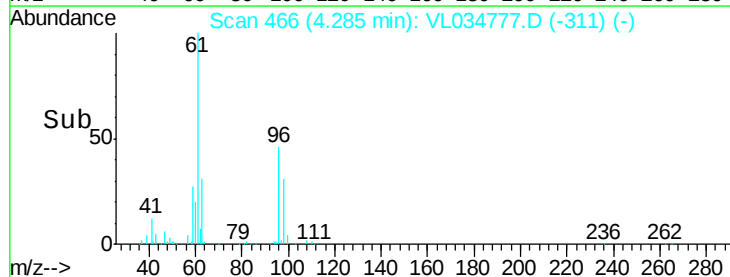
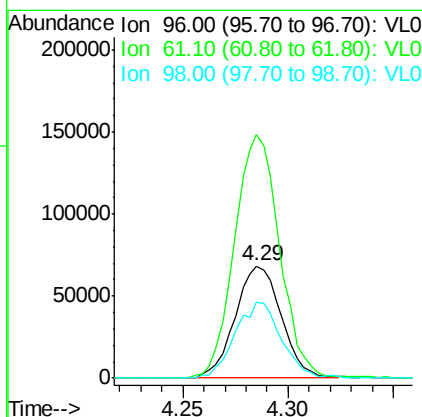
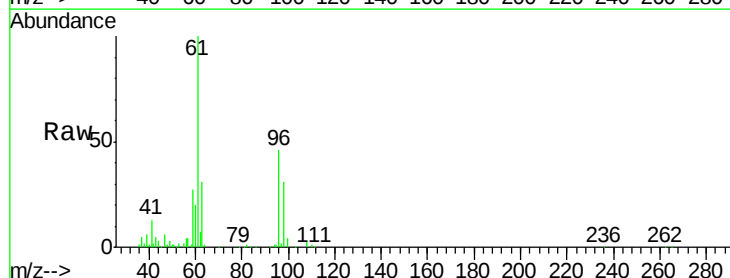
apatel
3/4/2020 4:44:55 PM

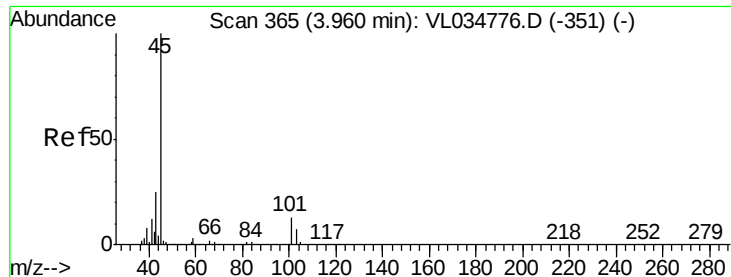


#18

1,1-Dichloroethene
Concen: 2.059 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	96.00 (95.70 to 96.70): VL0	Resp	102528
Ion Ratio	Lower	Upper	
96	100		
61	218.8	159.5	239.3
98	68.1	51.1	76.7





#19

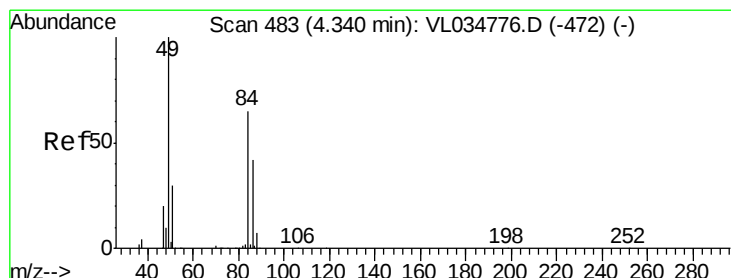
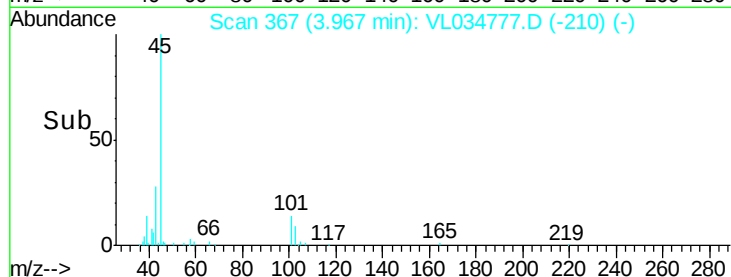
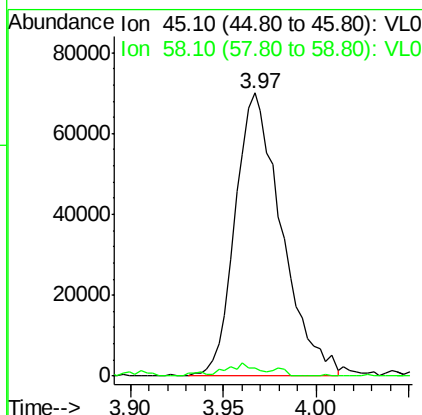
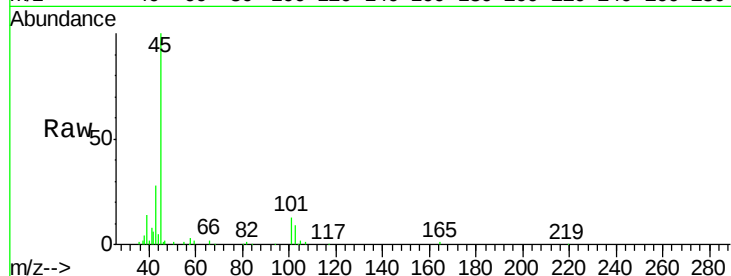
Isopropyl Alcohol
 Concen: 1.566 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	4.9	1.8	2.8#

Manual Integrations
 APPROVED

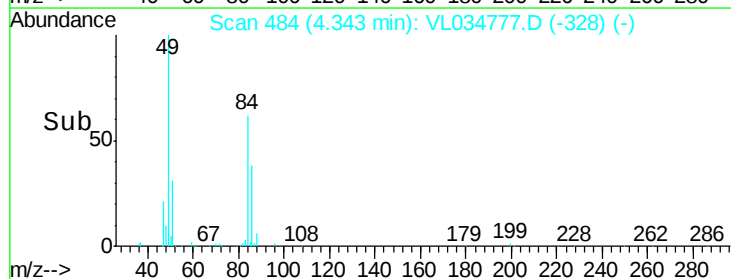
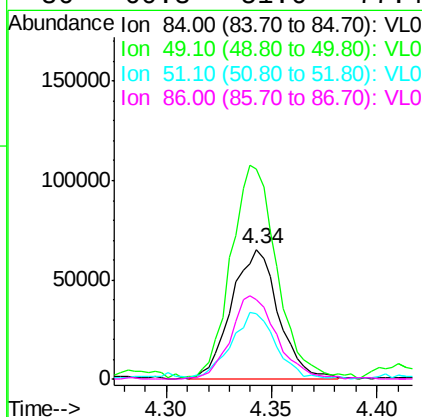
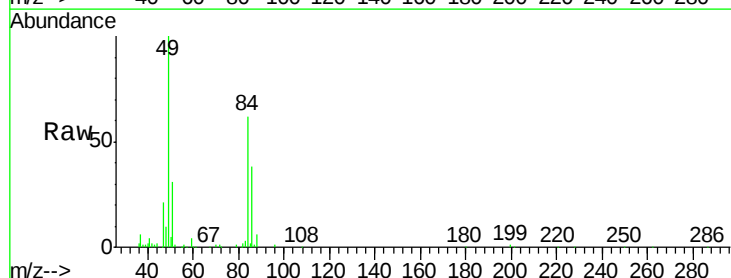
apatel
 3/4/2020 4:44:55 PM

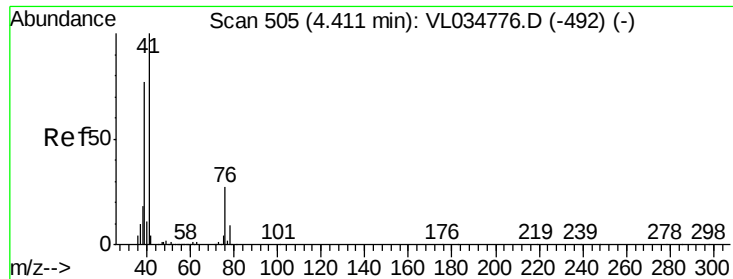


#20

Methylene Chloride
 Concen: 2.075 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.5	123.2	184.8
51	49.4	37.4	56.2
86	60.3	51.6	77.4





#21

Allvl Chloride

Concen: 2.122 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

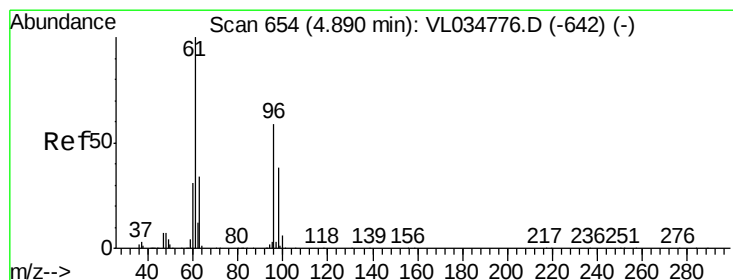
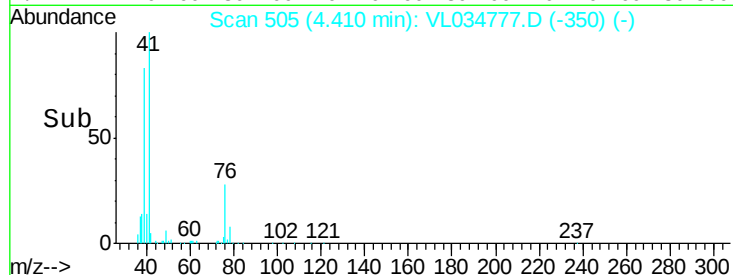
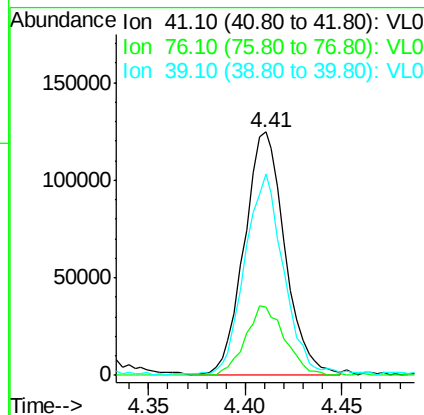
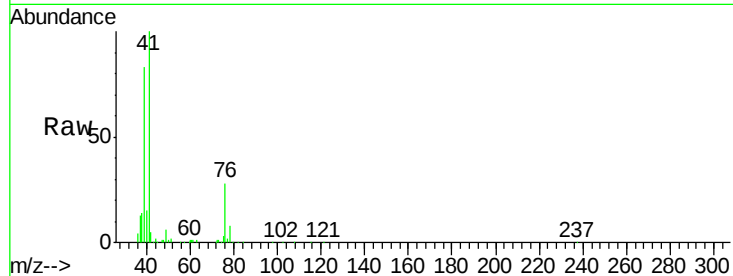
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	181211
Ion Ratio		Lower	Upper
41	100		
76	28.2	22.5	33.7
39	81.1	65.0	97.6

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



#22

trans-1,2-Dichloroethene

Concen: 2.132 ppbv

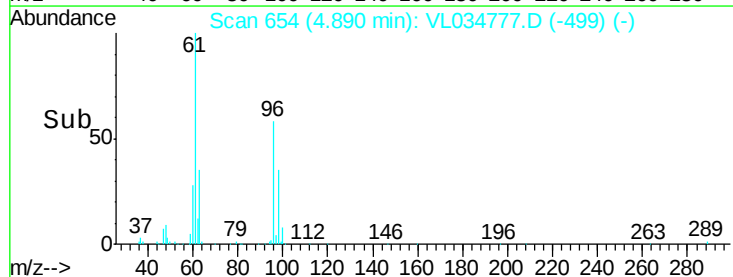
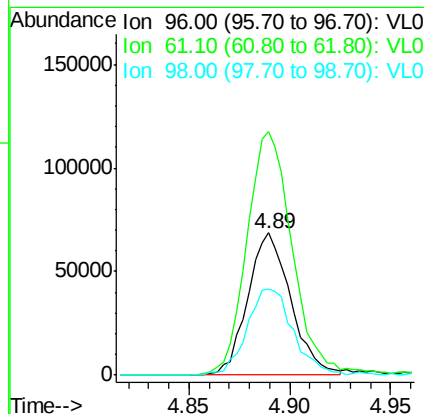
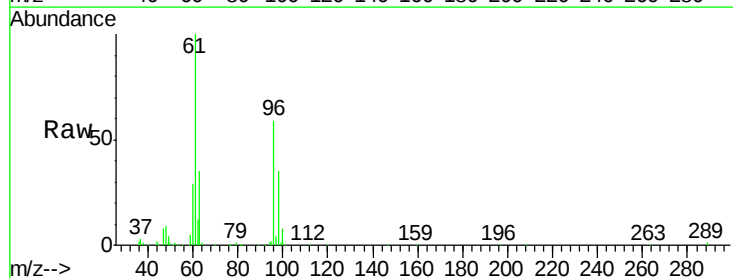
RT: 4.89 min Scan# 654

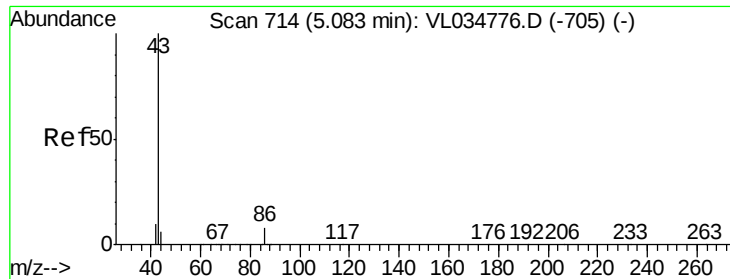
Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion:	96	Resp:	102546
Ion Ratio		Lower	Upper
96	100		
61	170.7	135.2	202.8
98	59.9	50.8	76.2





#23

Vinyl Acetate

Concen: 2.261 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

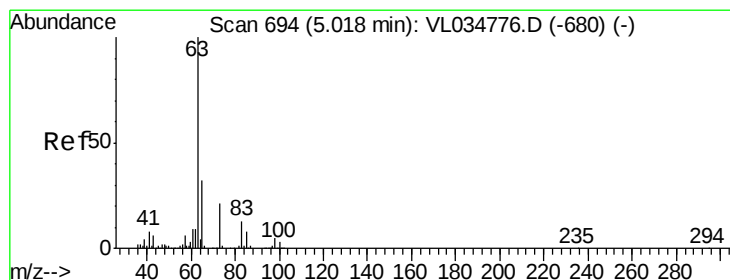
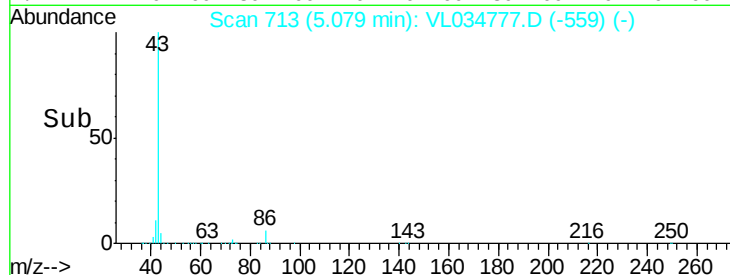
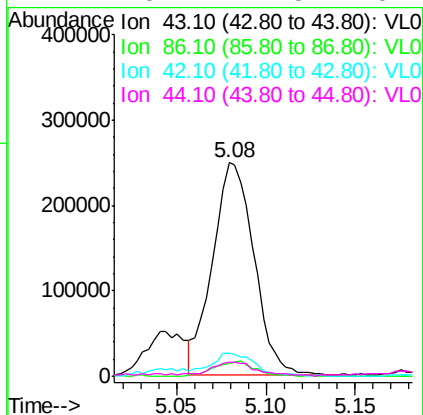
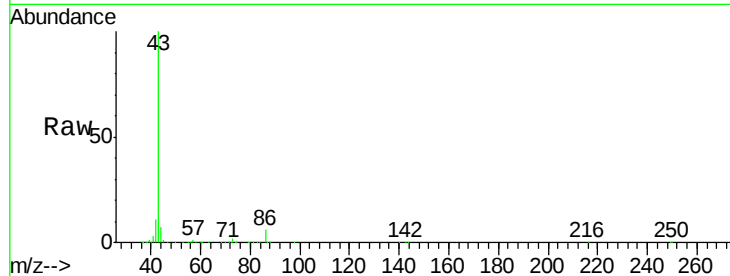
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
43	100	400547		
86	6.1		5.9	8.9
42	10.9		8.2	12.2
44	6.1		4.5	6.7

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



#24

1,1-Dichloroethane

Concen: 2.124 ppbv

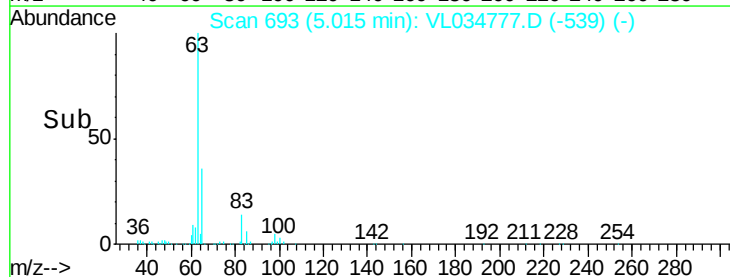
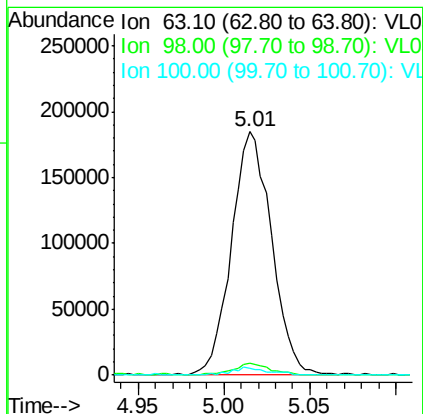
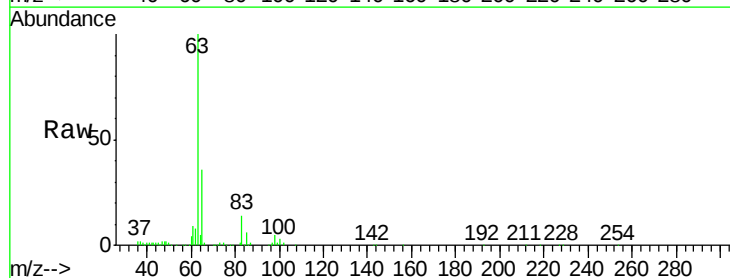
RT: 5.01 min Scan# 693

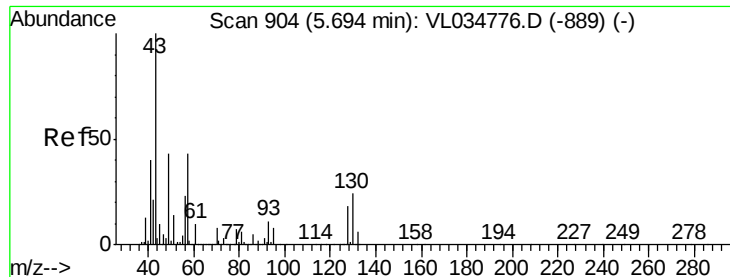
Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	299545		
98	4.7		2.3	6.8
100	2.8		1.5	4.4





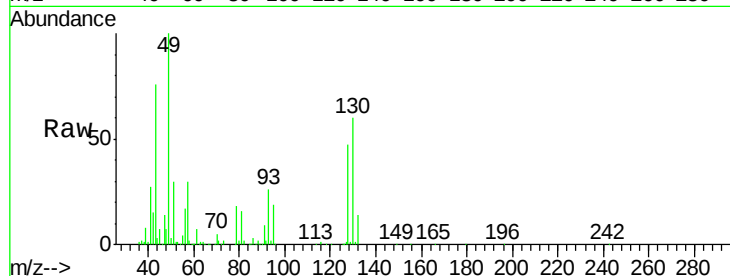
#25
Ethyl Acetate
Concen: 2.160 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

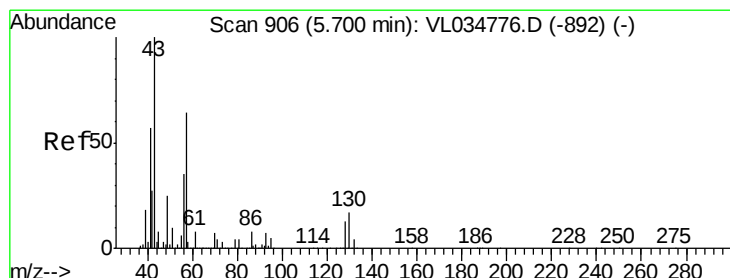
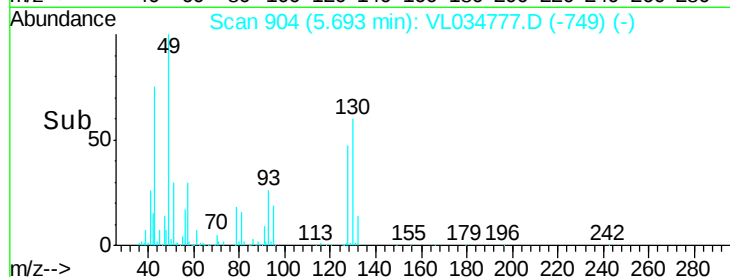
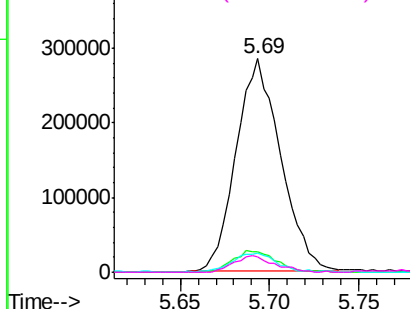
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.2	7.5	11.3
70	7.0	6.0	9.0

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



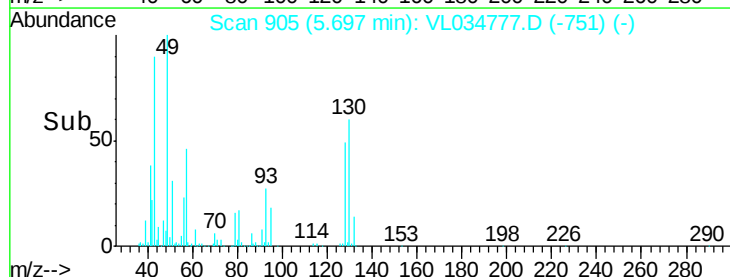
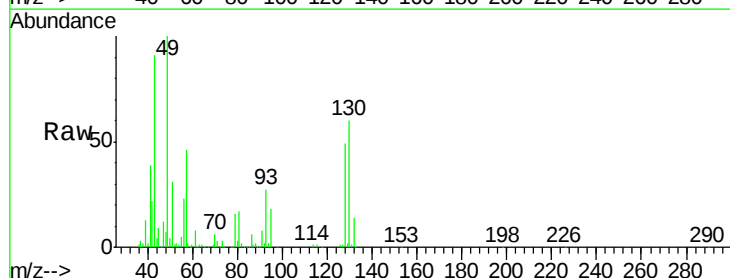
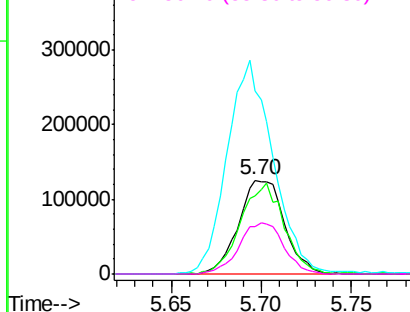
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

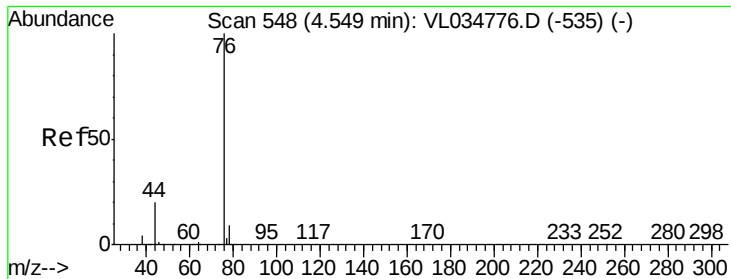


#26
Hexane
Concen: 2.090 ppbv m
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.3	72.0	108.0
43	231.6	179.1	268.7
56	53.9	42.6	63.8

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 2.165 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

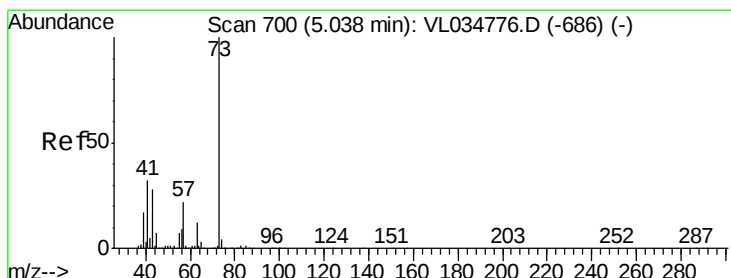
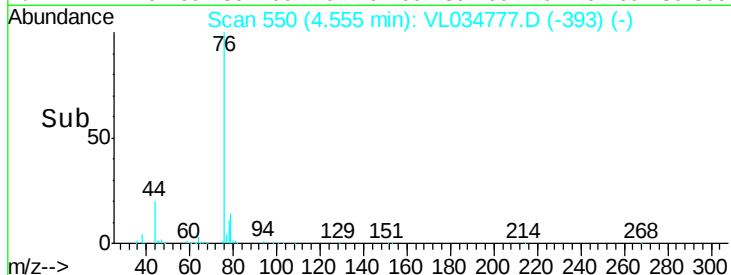
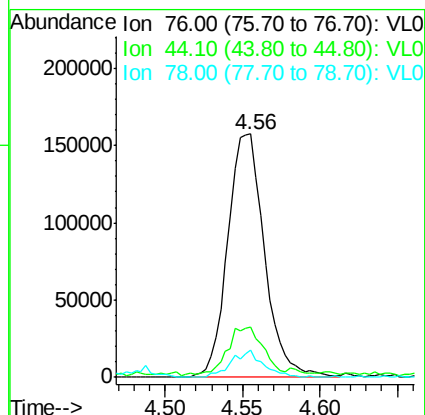
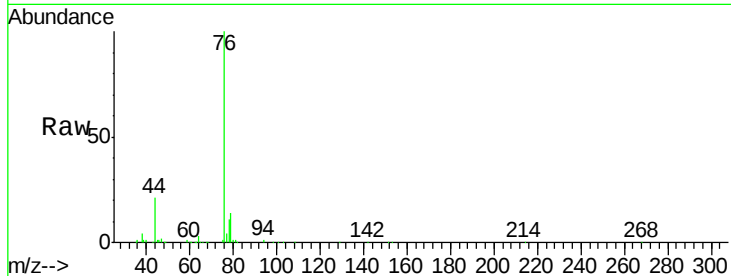
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.9	16.1	24.1
78	9.7	7.5	11.3

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



#28

Methyl tert-Butyl Ether

Concen: 2.150 ppbv

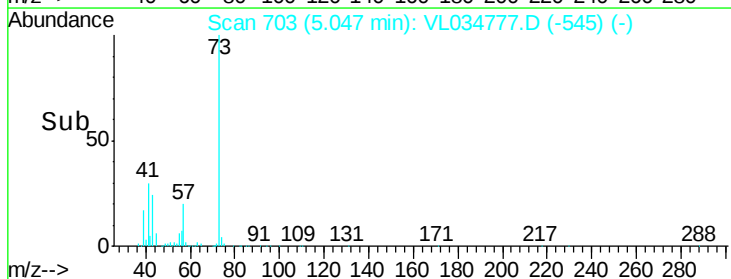
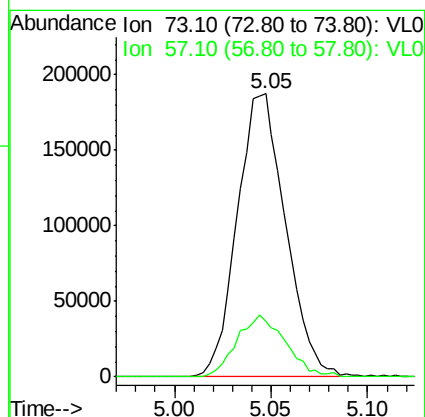
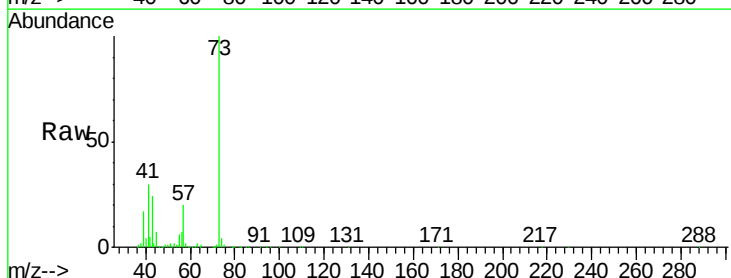
RT: 5.05 min Scan# 703

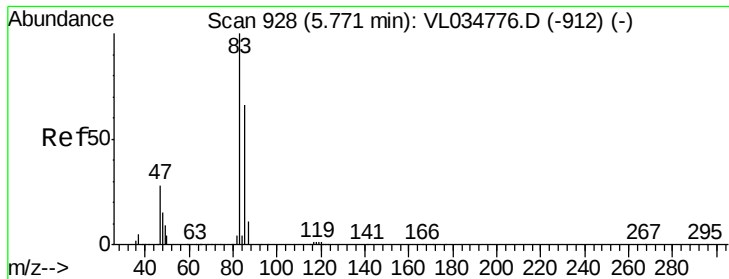
Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7





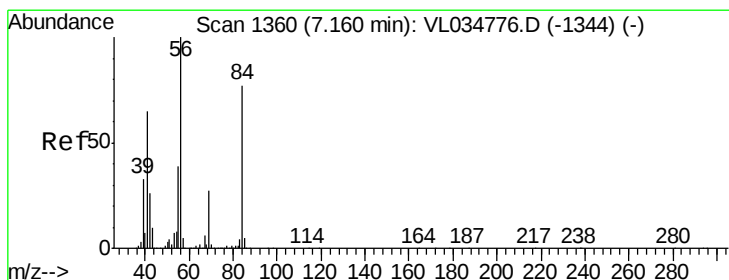
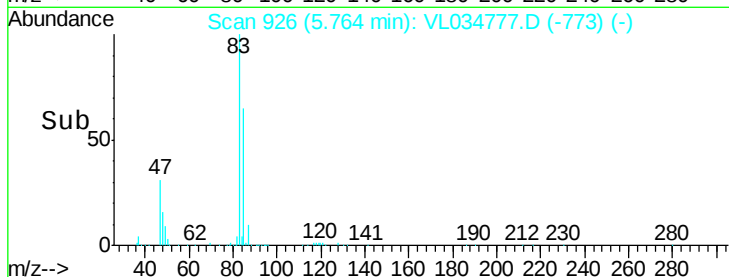
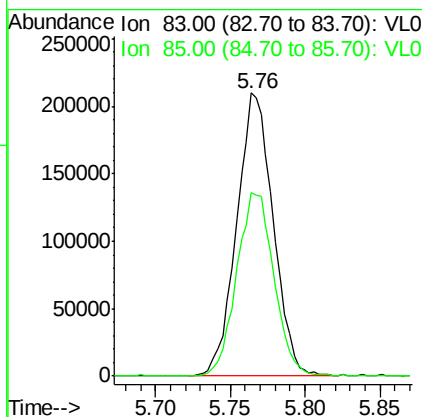
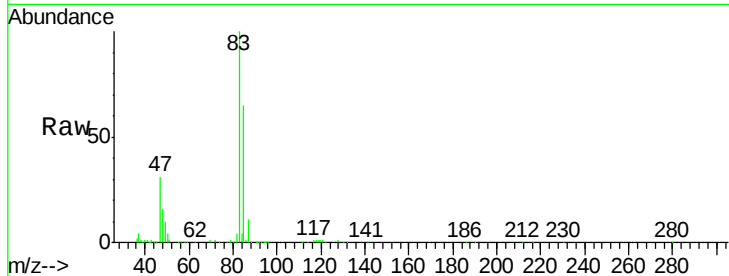
#29
Chloroform
Concen: 2.101 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	355356
Ion Ratio	100	Lower	Upper
85	64.8	53.0	79.4

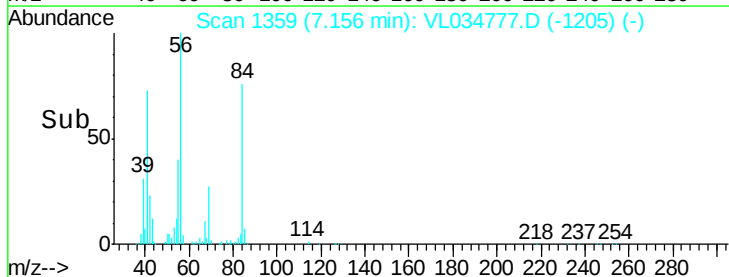
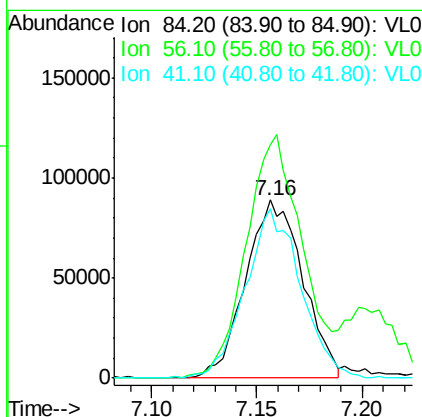
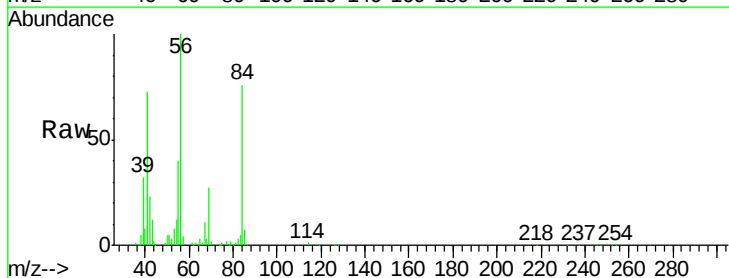
Manual Integrations
APPROVED

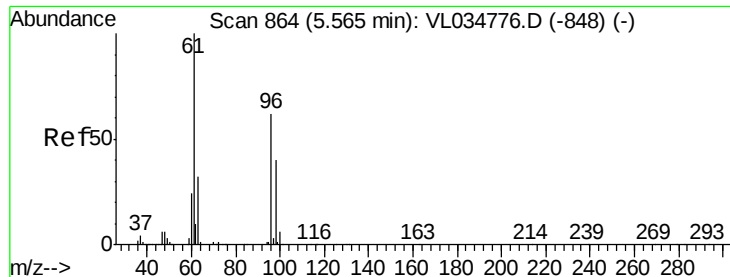
apatel
3/4/2020 4:44:55 PM



#30
Cyclohexane
Concen: 2.034 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	84	Resp	167424
Ion Ratio	100	Lower	Upper
56	171.7	113.2	169.8#
41	92.8	70.2	105.4





#31

cis-1,2-Dichloroethene

Concen: 2.086 ppbv

RT: 5.56 min Scan# 863

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

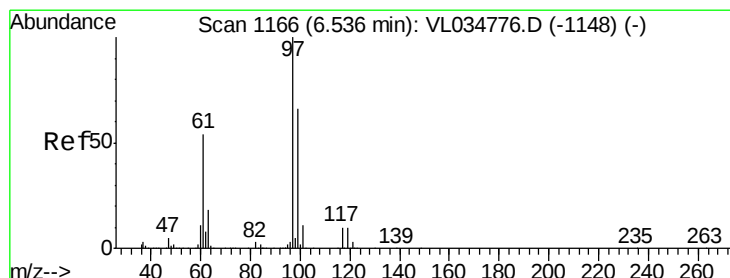
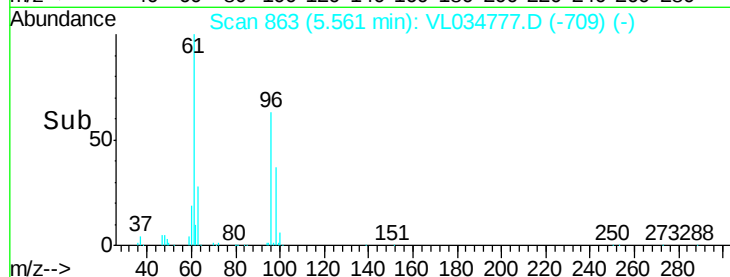
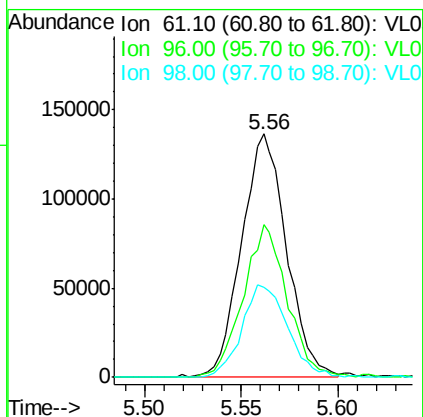
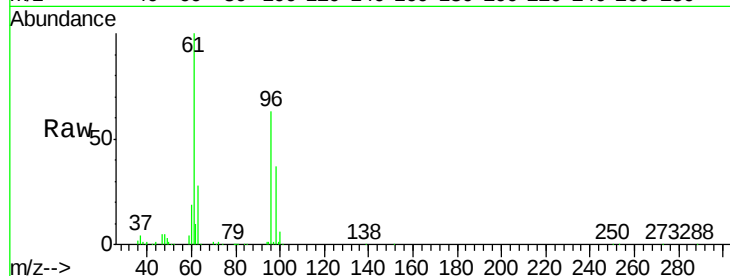
ClientSampleId :

VSTDIC002

Tot Ion:	61	Resp:	217977
Ion Ratio		Lower	Upper
61	100		
96	62.9	49.7	74.5
98	37.2	31.9	47.9

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



#32

1,1,1-Trichloroethane

Concen: 2.105 ppbv

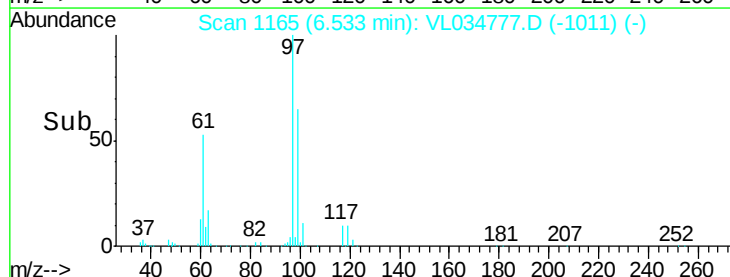
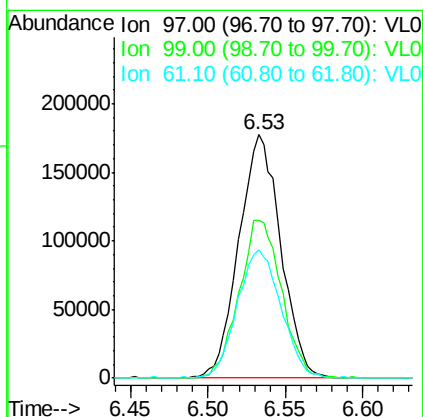
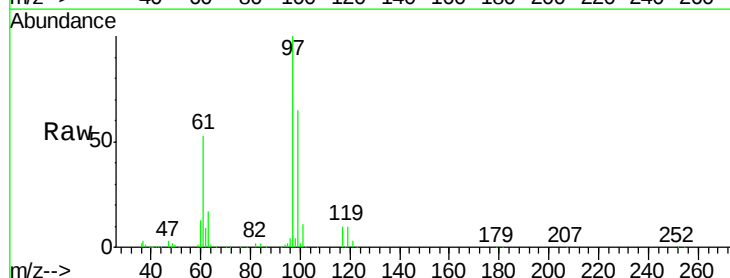
RT: 6.53 min Scan# 1165

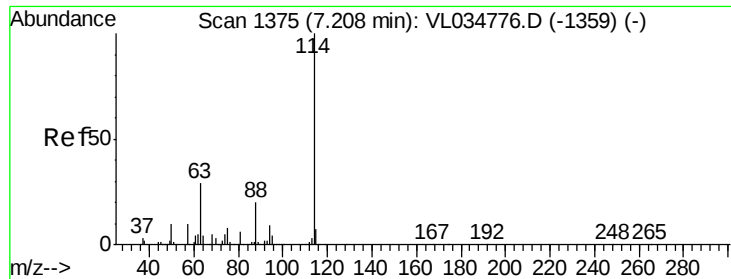
Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion:	97	Resp:	333844
Ion Ratio		Lower	Upper
97	100		
99	65.7	51.7	77.5
61	55.3	43.4	65.0





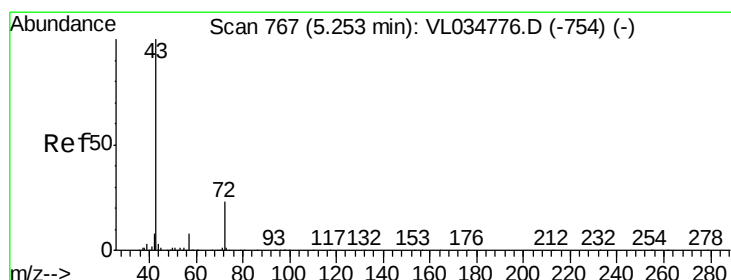
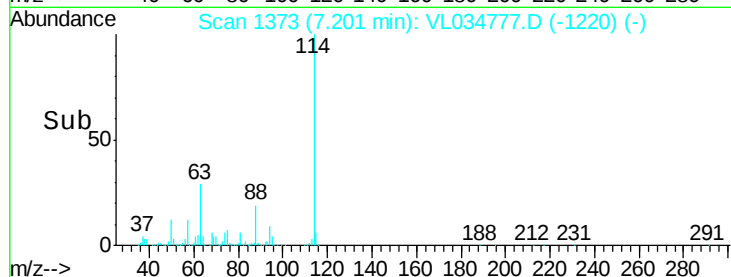
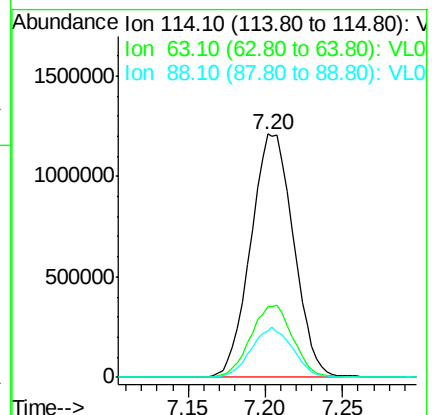
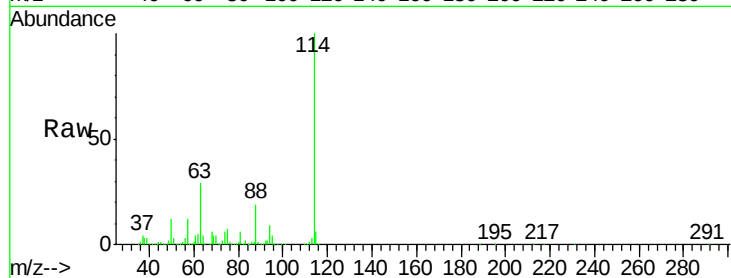
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	23.6	35.4
88	19.8	15.8	23.8

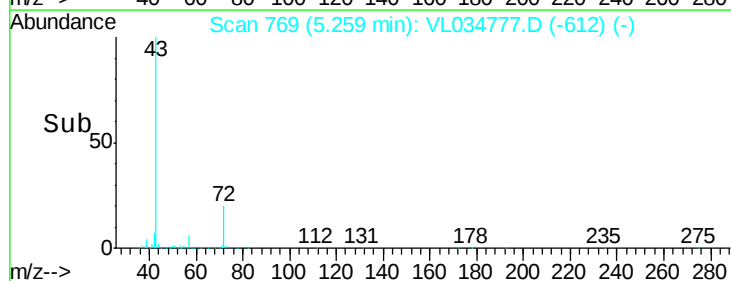
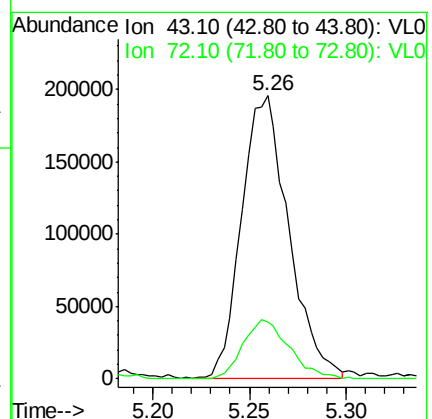
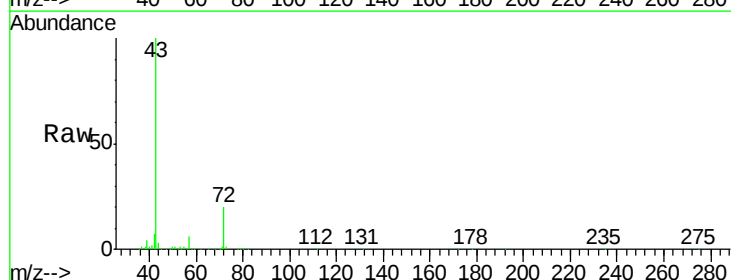
Manual Integrations
 APPROVED

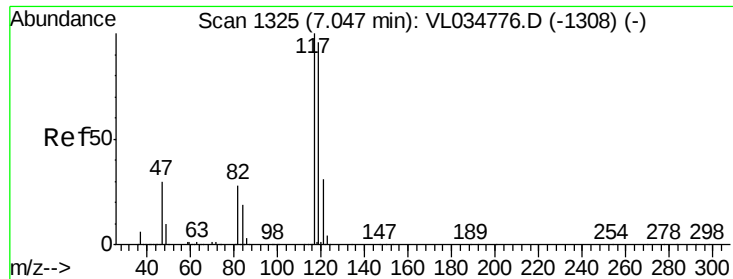
apatel
 3/4/2020 4:44:55 PM



#34
 2-Butanone
 Concen: 2.248 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.5	26.3





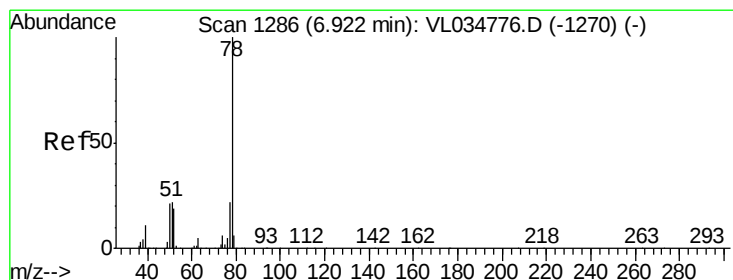
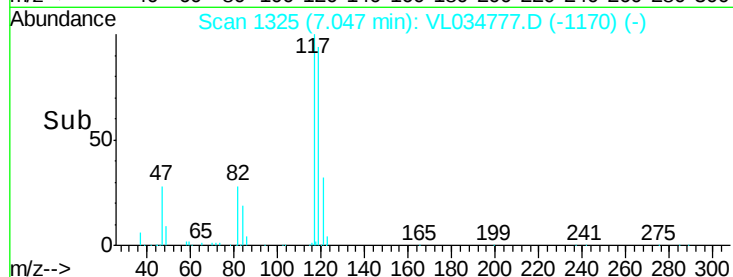
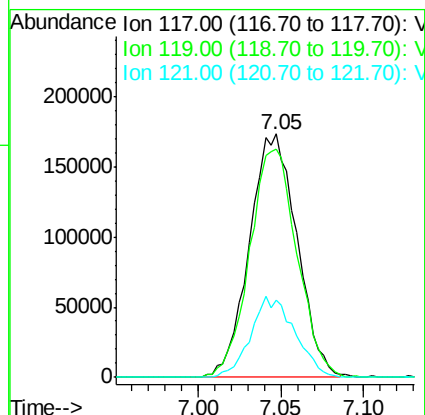
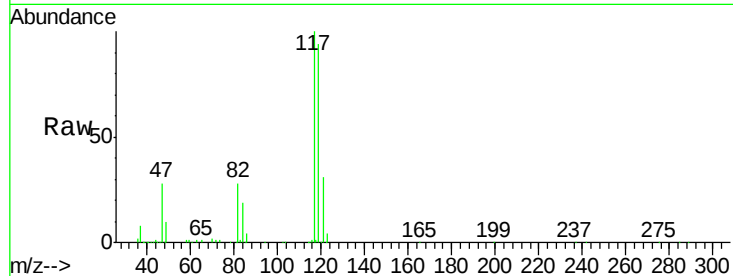
#35
Carbon Tetrachloride
Concen: 2.204 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.8	115.2
121	31.5	24.6	37.0

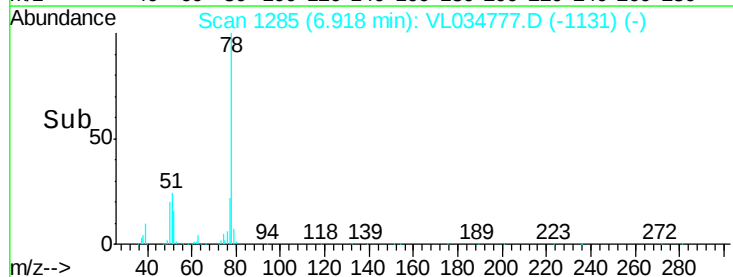
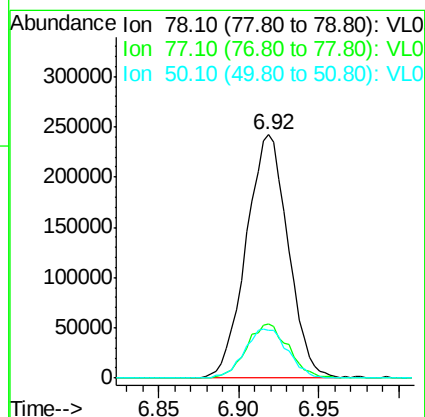
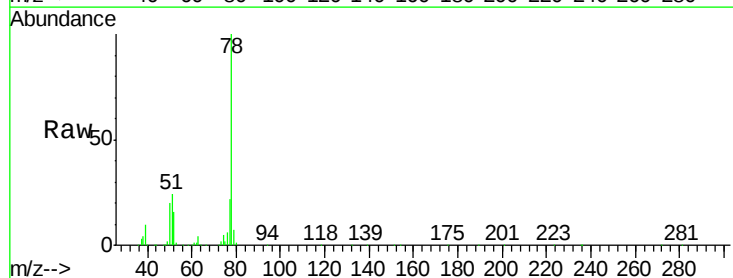
Manual Integrations
APPROVED

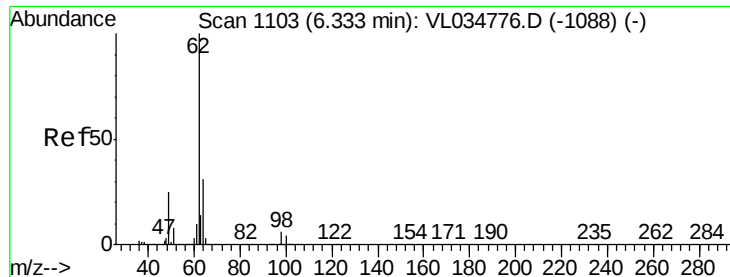
apatel
3/4/2020 4:44:55 PM



#36
Benzene
Concen: 2.143 ppbv
RT: 6.92 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.0	27.0
50	19.5	16.9	25.3





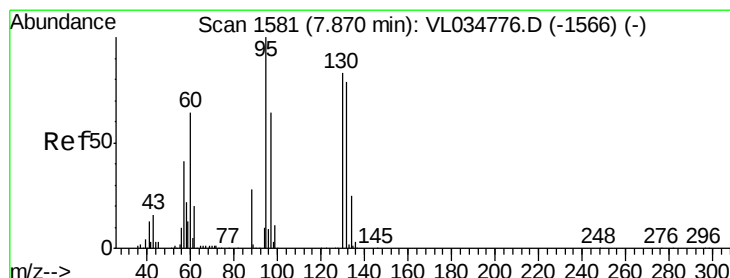
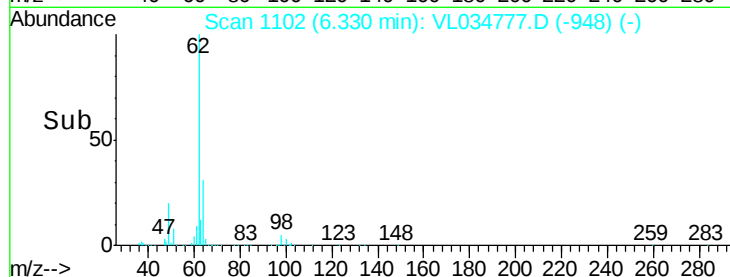
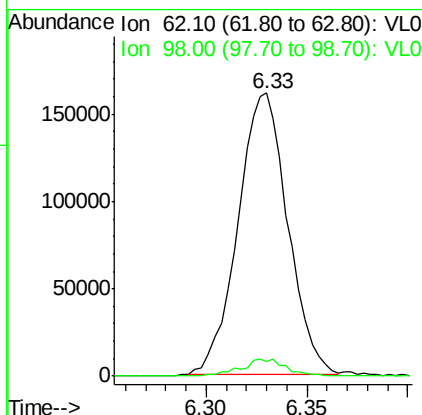
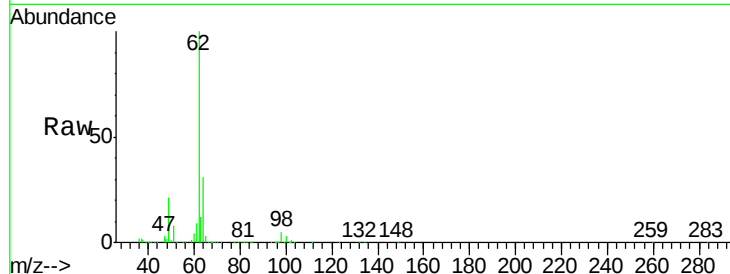
#37
 1,2-Dichloroethane
 Concen: 2.168 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	278543		
98	5.5	4.4	6.6	

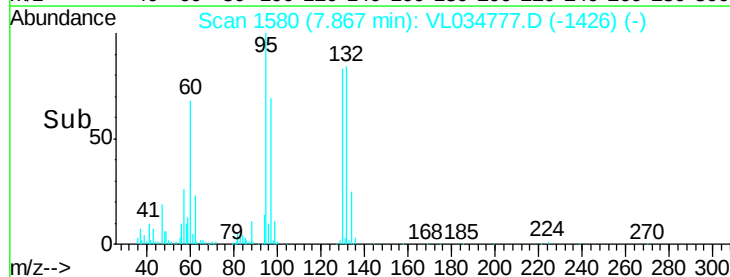
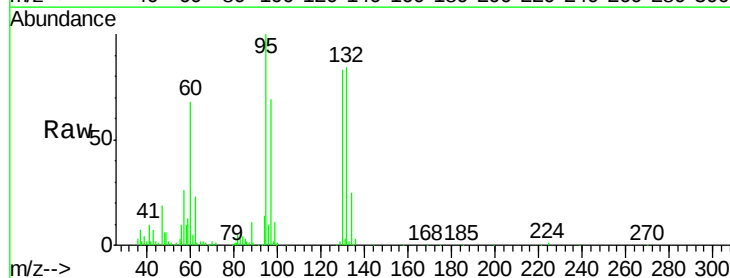
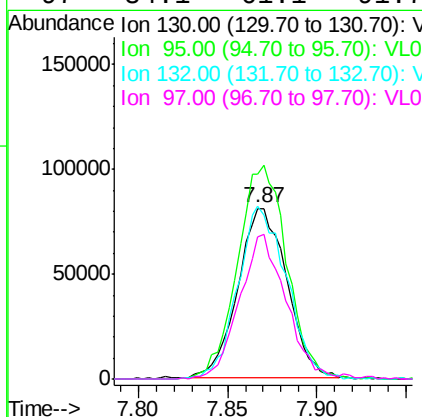
Manual Integrations
 APPROVED

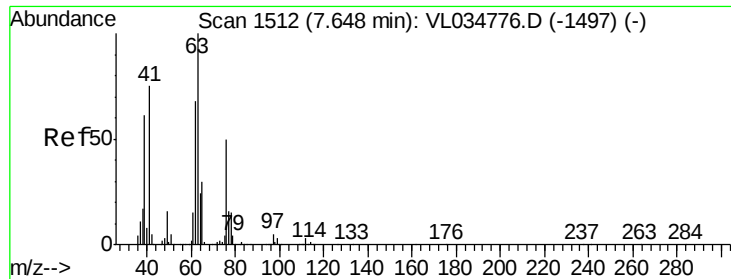
apatel
 3/4/2020 4:44:55 PM



#38
 Trichloroethene
 Concen: 1.982 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	154521		
95	120.7	95.8	143.8	
132	101.3	76.1	114.1	
97	84.1	61.1	91.7	





#39

1,2-Dichloropropane

Concen: 2.066 ppbv

RT: 7.65 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

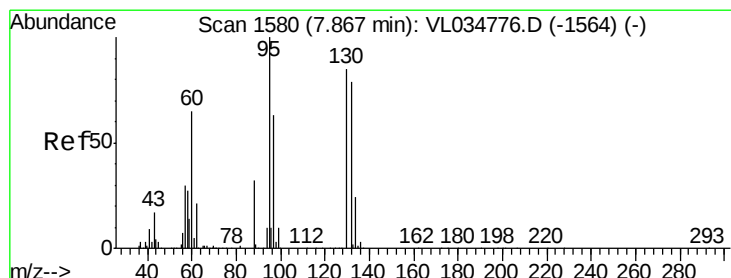
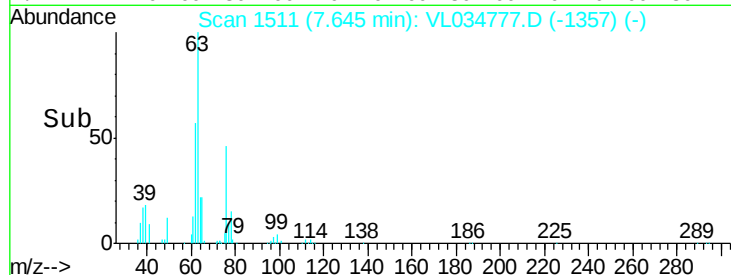
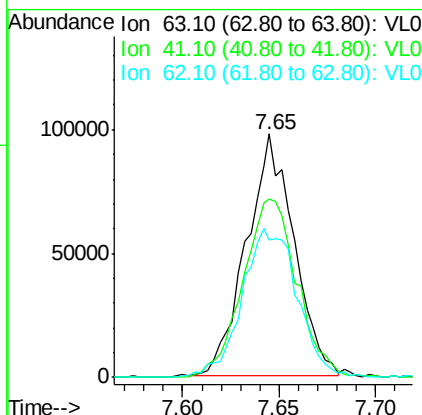
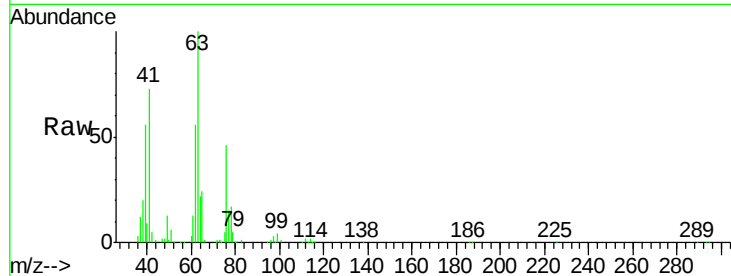
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	165556
Ion Ratio	Lower	Upper	
63	100		
41	73.6	60.3	90.5
62	56.2	54.5	81.7

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



#40

1,4-Dioxane

Concen: 1.752 ppbv m

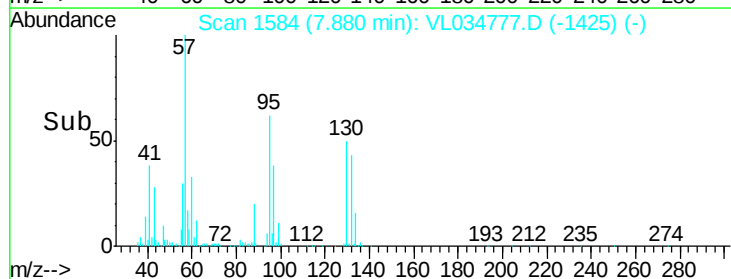
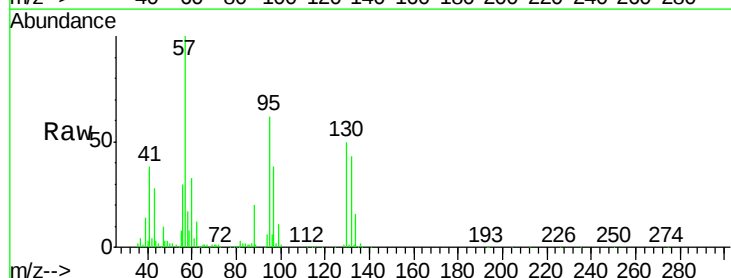
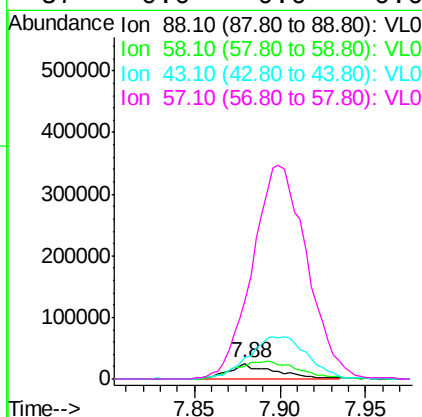
RT: 7.88 min Scan# 1584

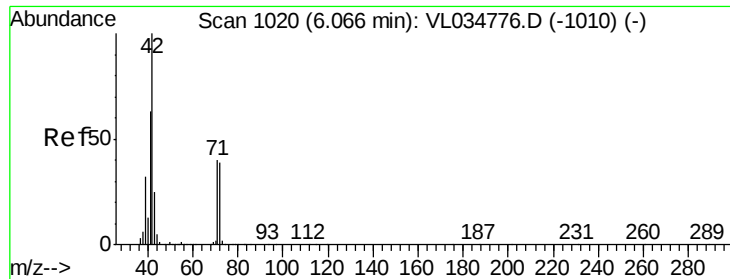
Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion:	88	Resp:	47756
Ion Ratio	Lower	Upper	
88	100		
58	0.0	110.6	166.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





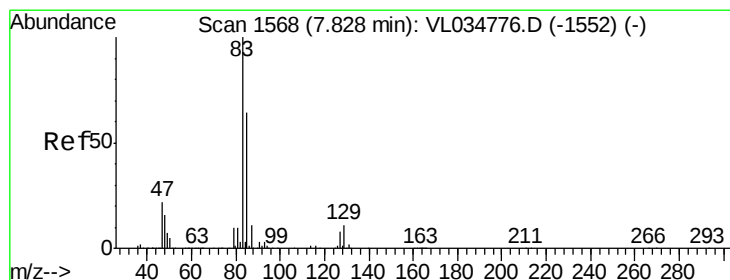
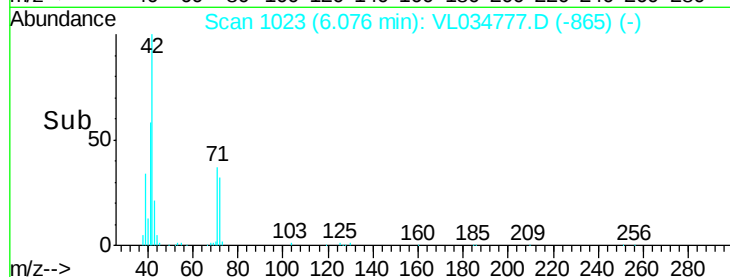
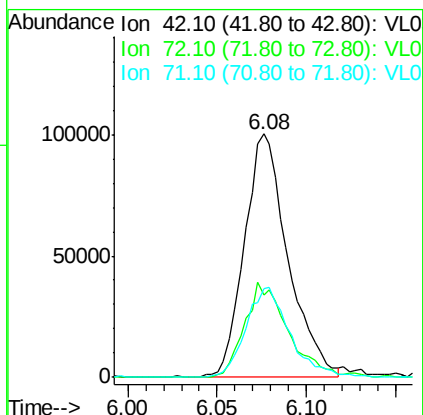
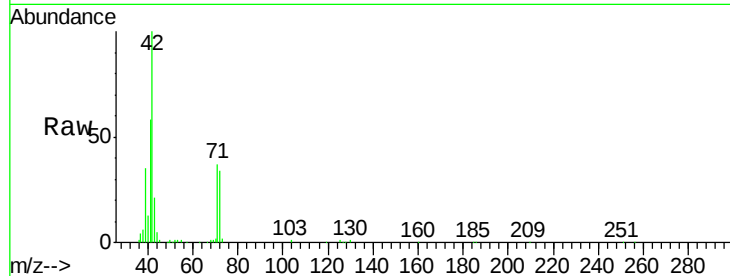
#41
Tetrahydrofuran
Concen: 2.208 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion:	42	Resp:	171178
Ion Ratio		Lower	Upper
42	100		
72	39.4	32.0	48.0
71	37.4	31.3	46.9

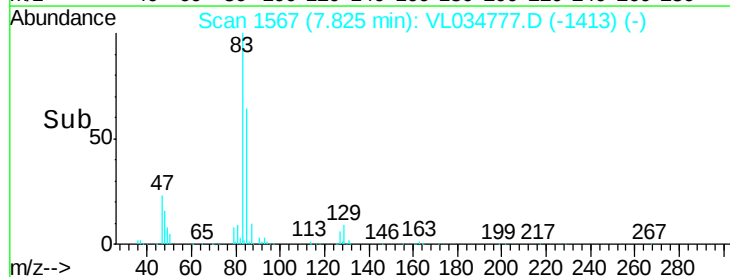
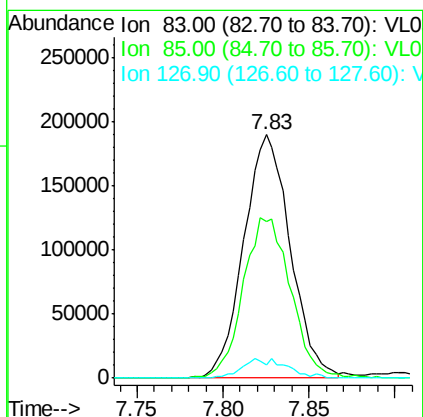
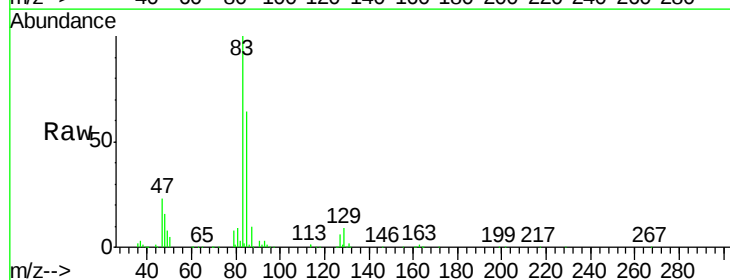
Manual Integrations
APPROVED

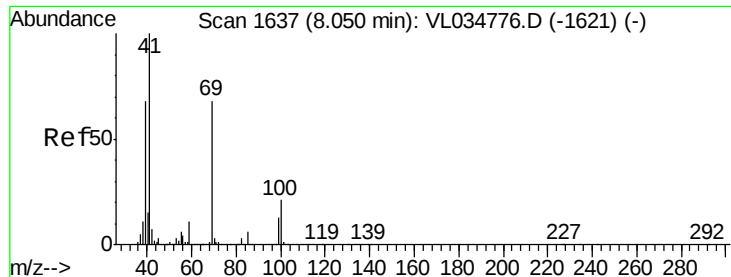
apatel
3/4/2020 4:44:55 PM



#42
Bromodichloromethane
Concen: 2.129 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion:	83	Resp:	357658
Ion Ratio		Lower	Upper
83	100		
85	64.4	50.8	76.2
127	5.6	6.5	9.7#





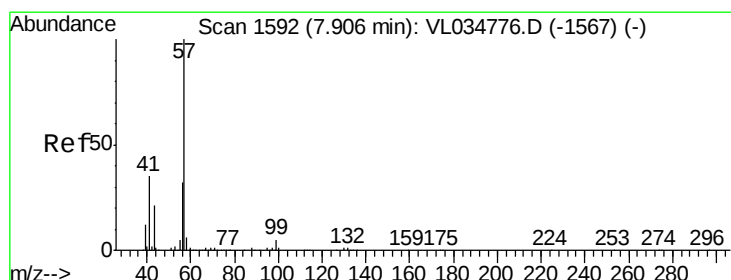
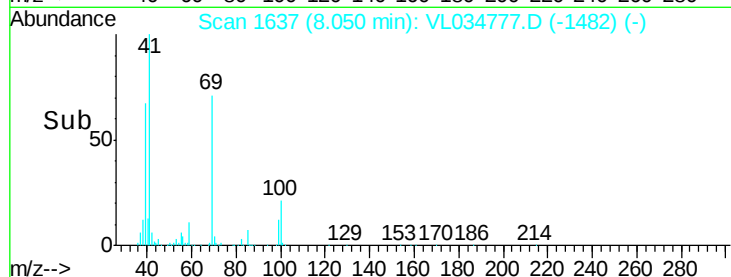
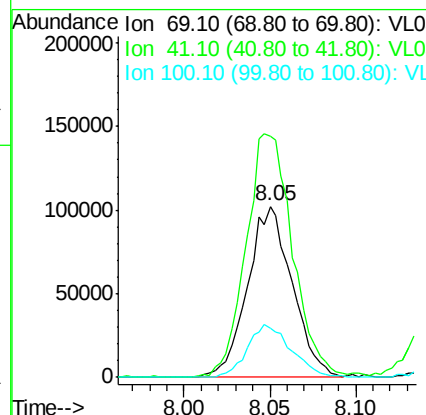
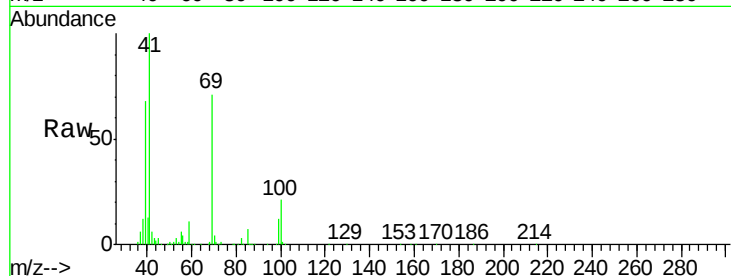
#43
Methvl Methacrylate
Concen: 2.179 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.7	121.6	182.4
100	30.4	23.8	35.8

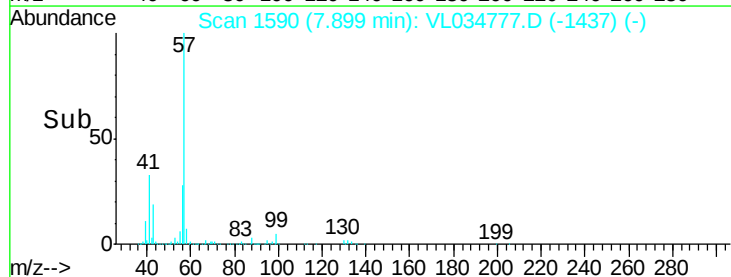
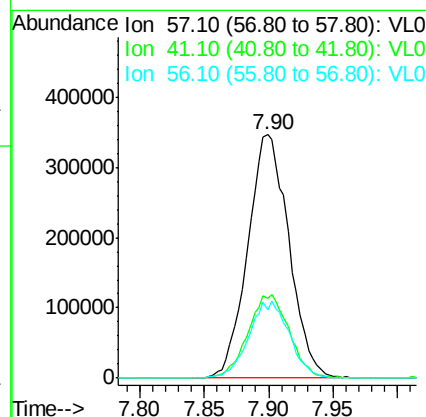
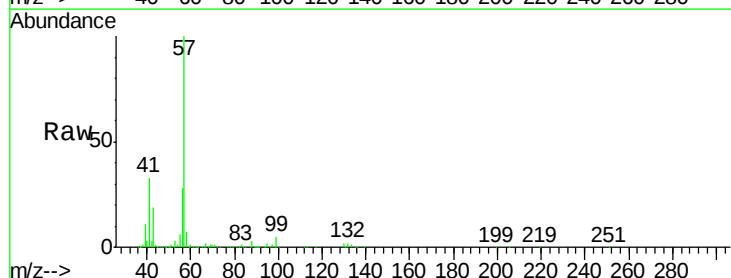
Manual Integrations
APPROVED

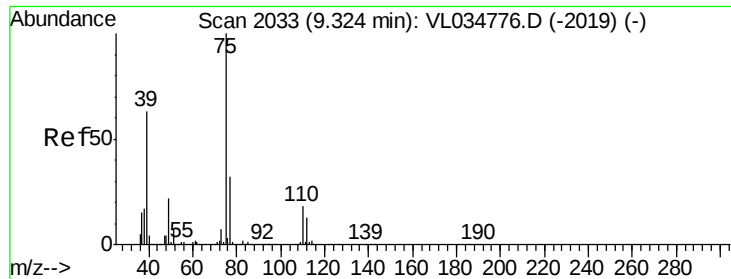
apatel
3/4/2020 4:44:55 PM



#44
2,2,4-Trimethylpentane
Concen: 2.179 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.7	27.4	41.0
56	31.3	25.0	37.6





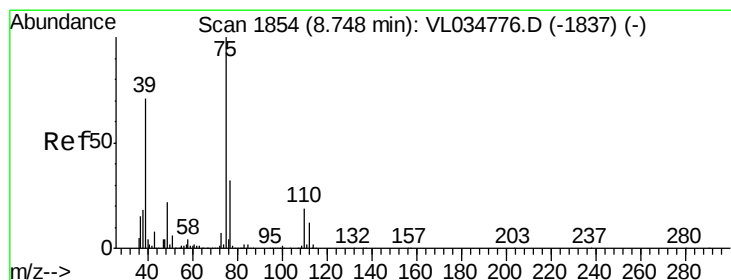
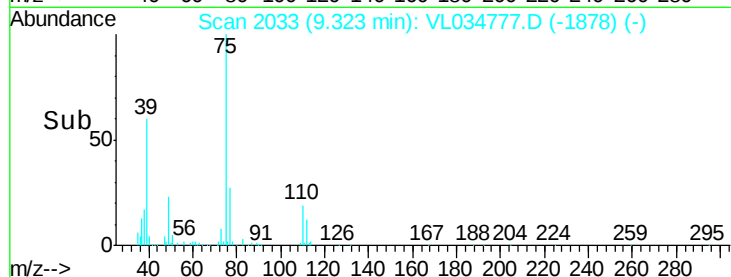
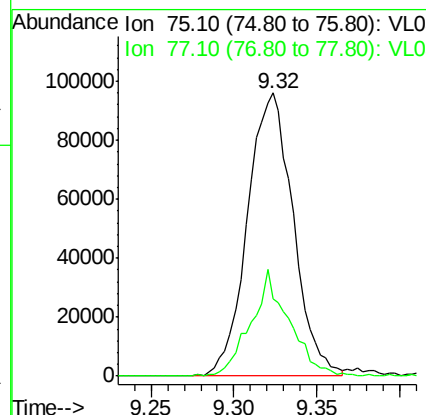
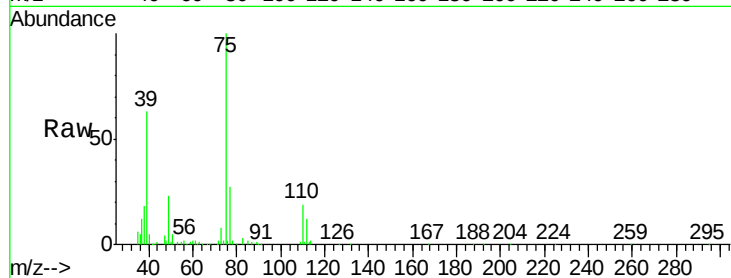
#45
t-1,3-Dichloropropene
Concen: 2.005 ppbv
RT: 9.32 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 184720
Ion Ratio Lower Upper
75 100
77 27.3 25.6 38.4

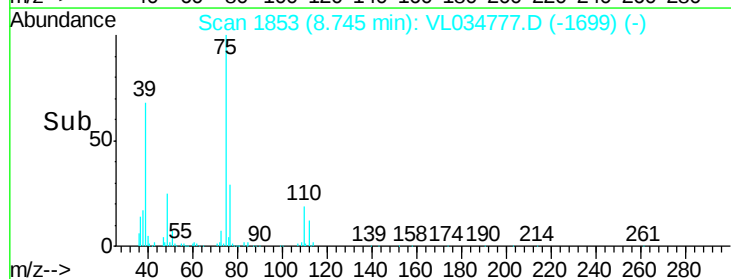
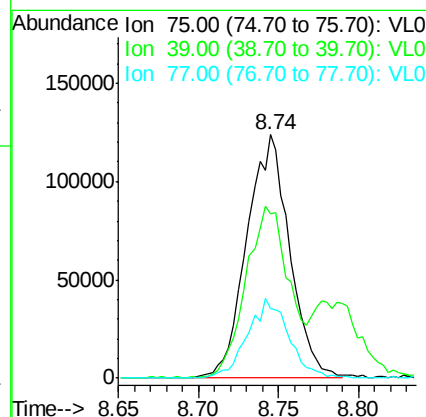
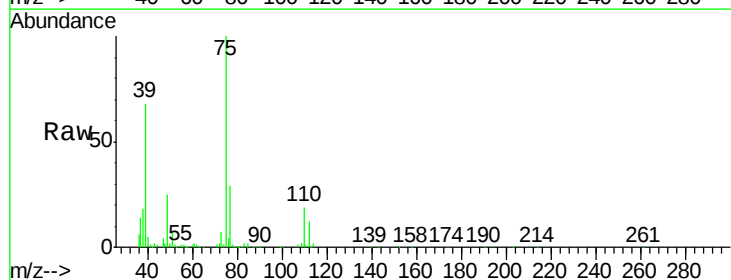
Manual Integrations
APPROVED

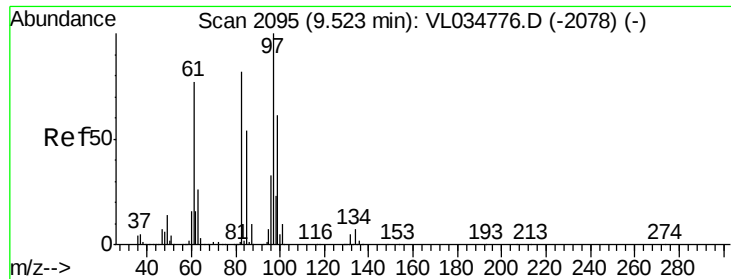
apatel
3/4/2020 4:44:55 PM



#46
cis-1,3-Dichloropropene
Concen: 2.049 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion: 75 Resp: 226957
Ion Ratio Lower Upper
75 100
39 67.2 56.9 85.3
77 28.8 25.7 38.5





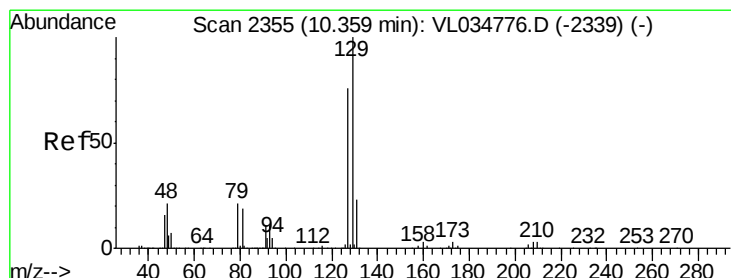
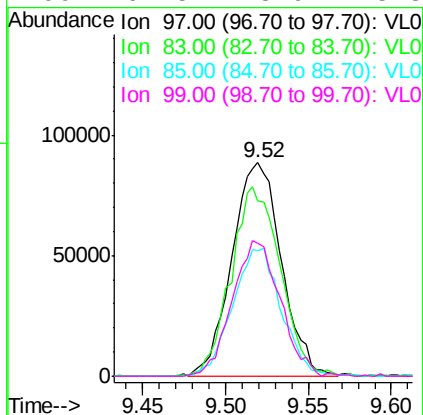
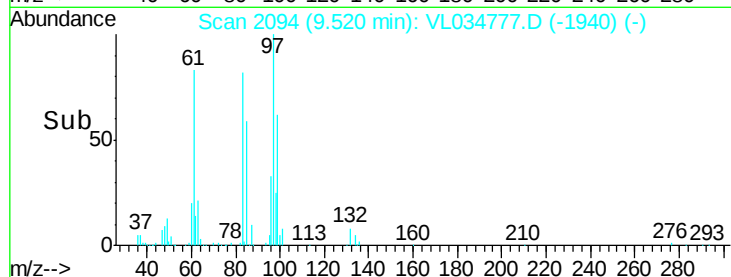
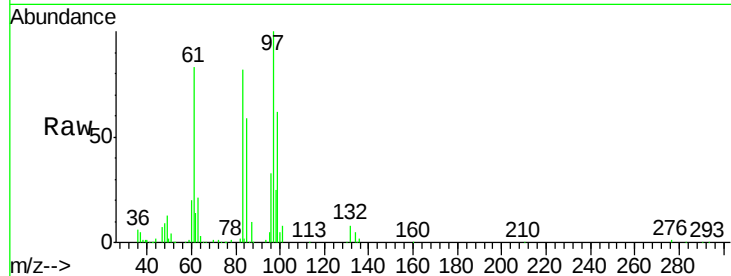
#47
 1,1,2-Trichloroethane
 Concen: 2.225 ppbv
 RT: 9.52 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183926		
83	81.1	65.2	97.8		
85	57.9	43.6	65.4		
99	61.5	48.9	73.3		

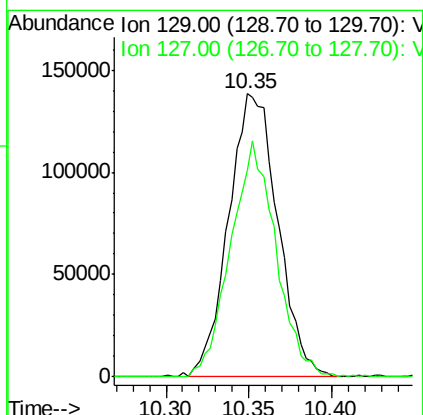
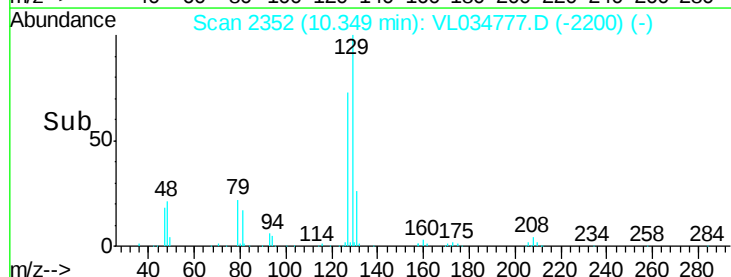
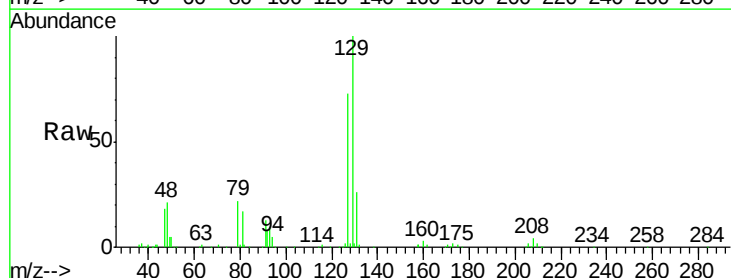
Manual Integrations
 APPROVED

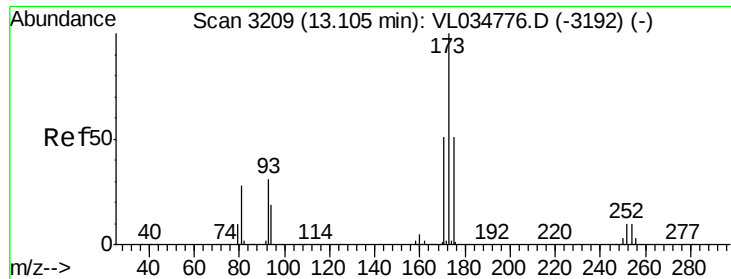
apatel
 3/4/2020 4:44:55 PM



#48
 Dibromochloromethane
 Concen: 2.205 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		284601		
127	76.9	39.0	117.0		





#49

Bromoform

Concen: 2.204 ppbv m

RT: 13.10 min Scan# 3209

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

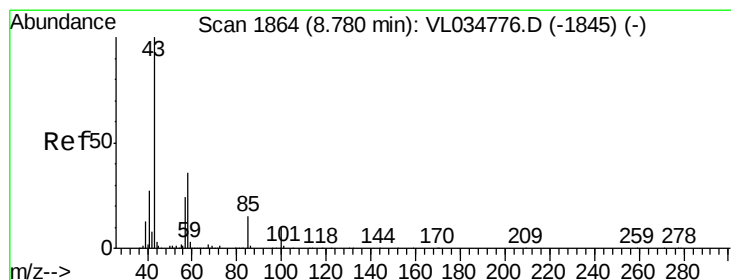
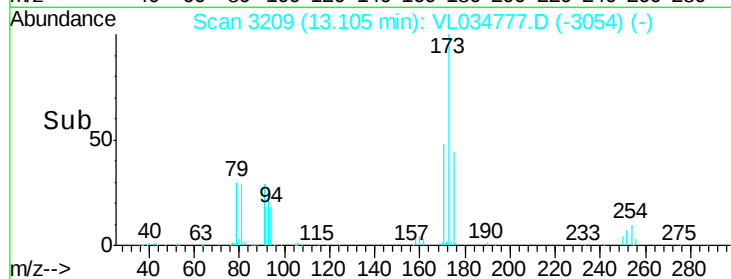
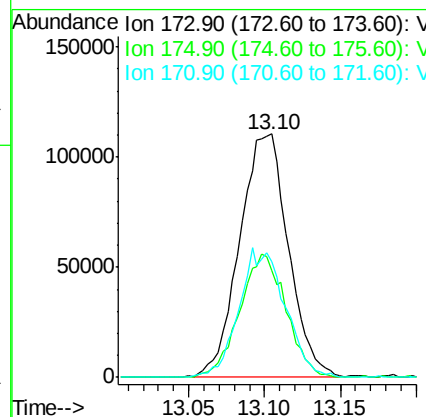
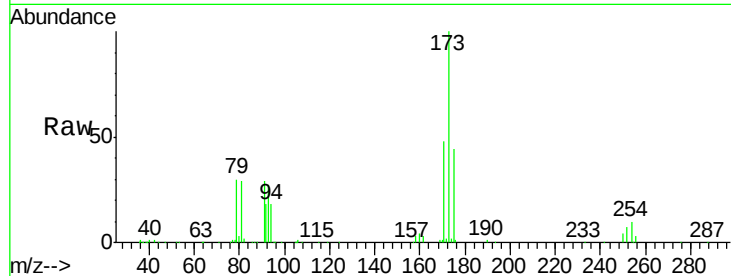
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	247736
Ion Ratio	Lower	Upper	
173	100		
175	48.1	39.8	59.6
171	50.3	41.0	61.4

Manual Integrations
APPROVED

apatel
3/4/2020 4:44:55 PM



#50

4-Methyl-2-Pentanone

Concen: 2.301 ppbv

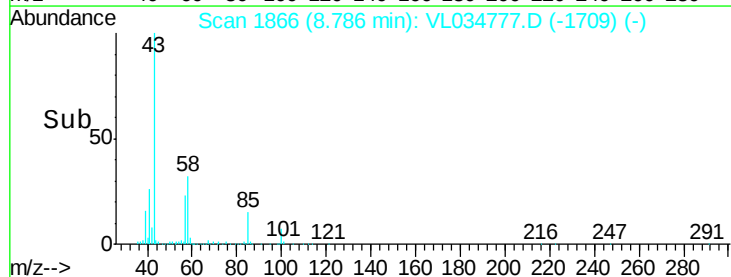
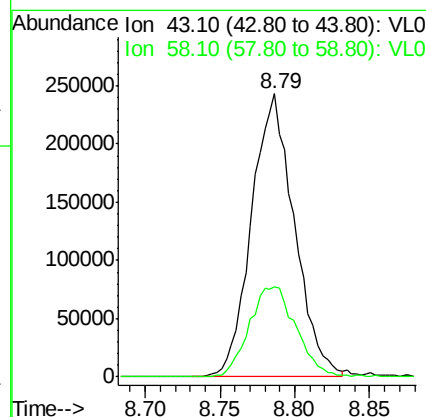
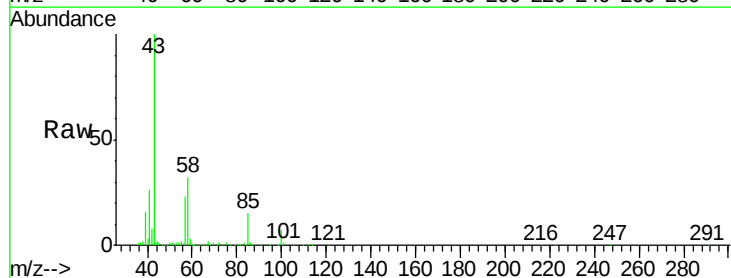
RT: 8.79 min Scan# 1866

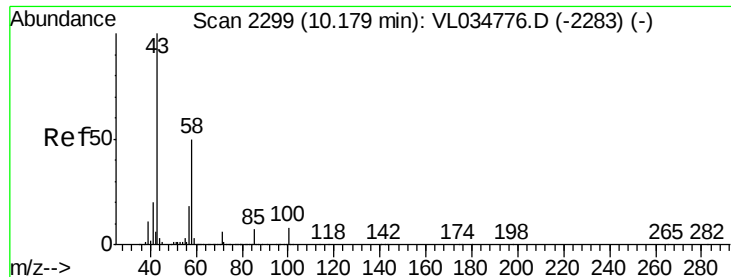
Delta R.T. 0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion:	43	Resp:	482948
Ion Ratio	Lower	Upper	
43	100		
58	35.3	28.7	43.1





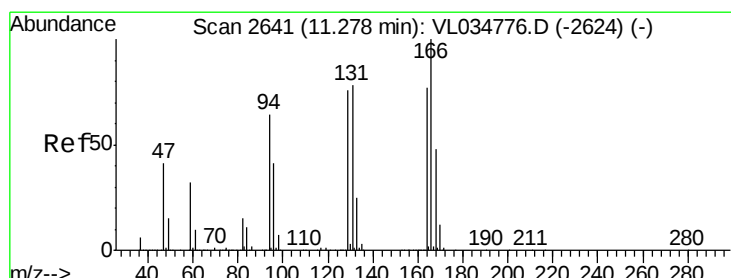
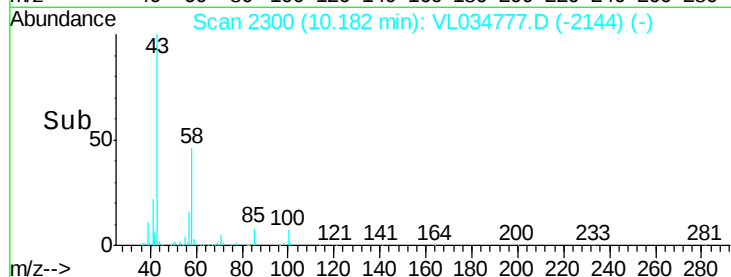
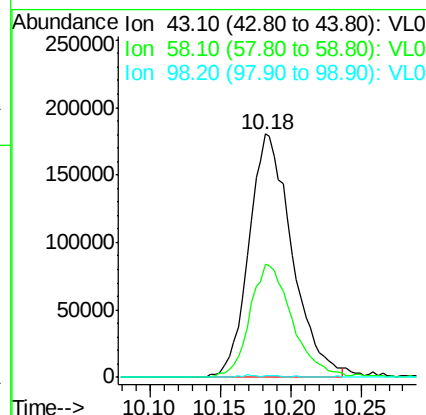
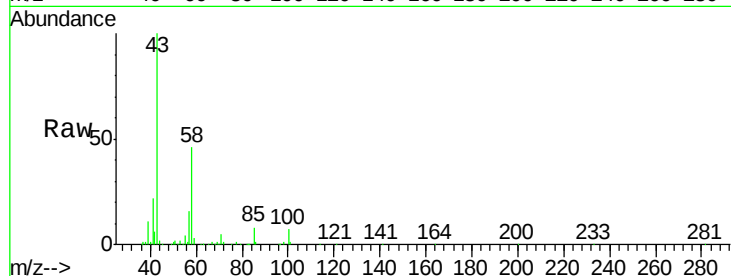
#51
2-Hexanone
Concen: 2.331 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.2	38.6	58.0
98	0.9	0.2	0.4

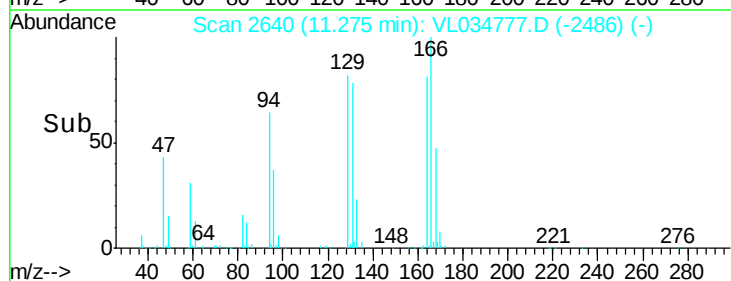
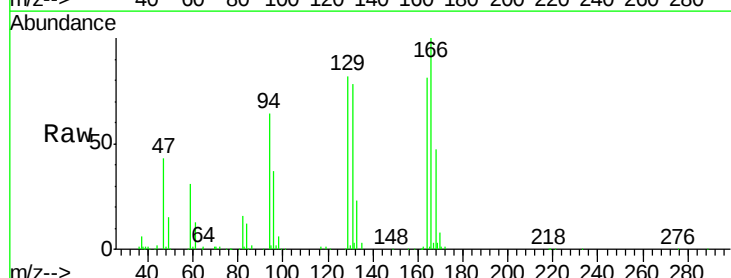
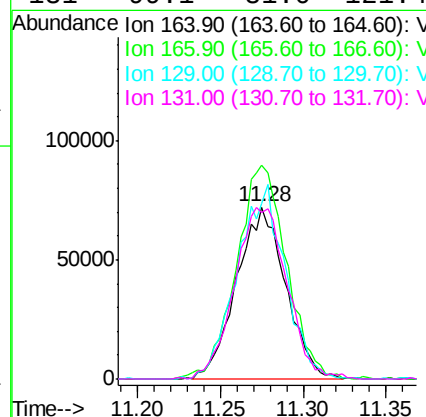
Manual Integrations
APPROVED

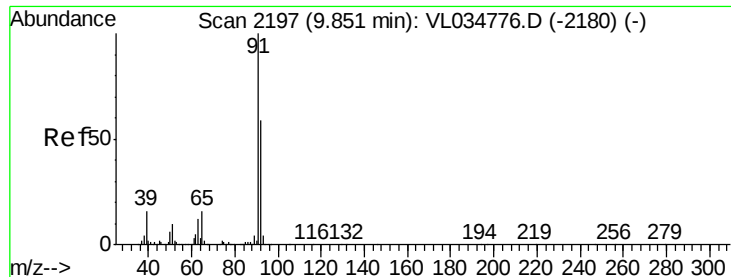
apatel
3/4/2020 4:44:55 PM



#52
Tetrachloroethene
Concen: 1.995 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	103.3	154.9
129	101.0	79.0	118.4
131	99.1	81.0	121.4





#53

Toluene

Concen: 2.189 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 470645

Ion Ratio Lower Upper

91 100

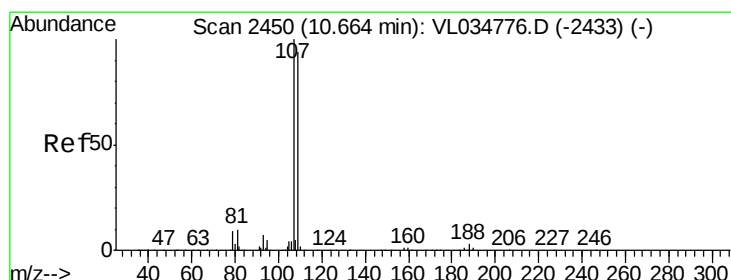
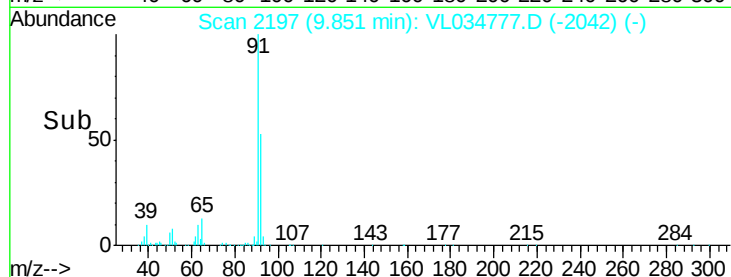
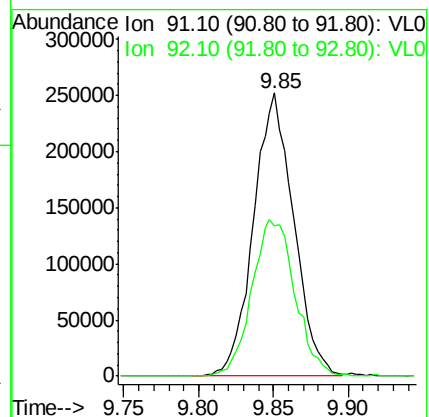
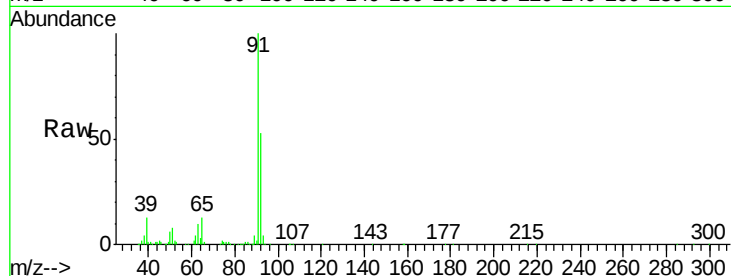
92 59.6 48.2 72.2

Manual Integrations

APPROVED

apatel

3/4/2020 4:44:55 PM



#54

1,2-Dibromoethane

Concen: 2.226 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034777.D

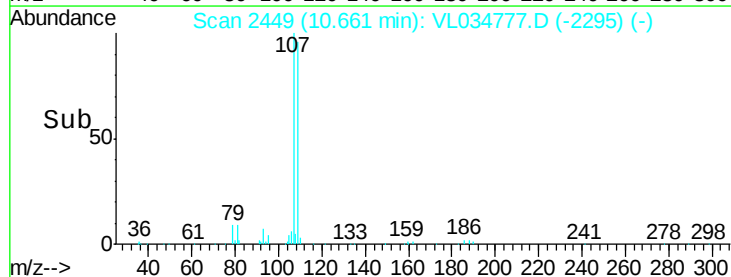
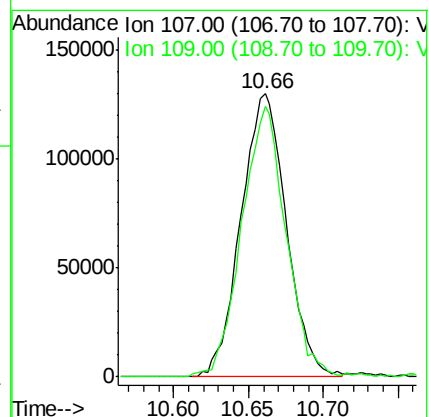
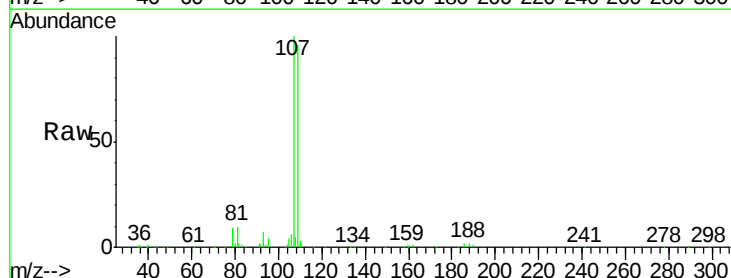
Acq: 4 Mar 2020 2:04

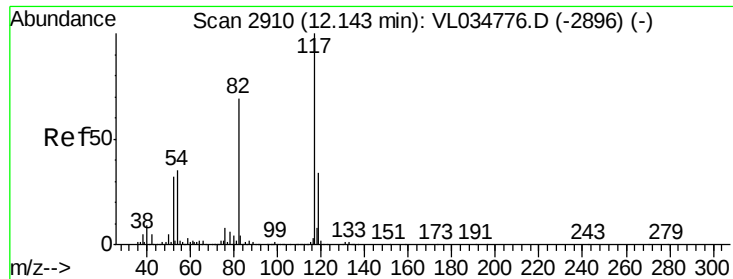
Tgt Ion: 107 Resp: 274775

Ion Ratio Lower Upper

107 100

109 95.0 75.0 112.6





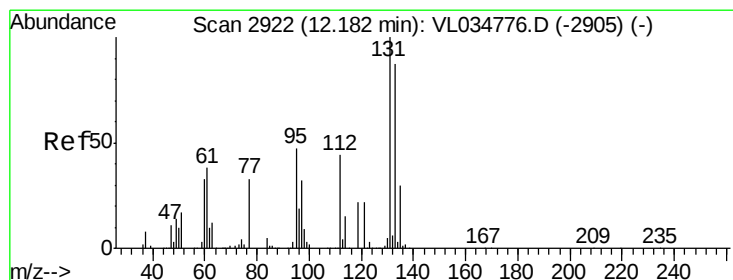
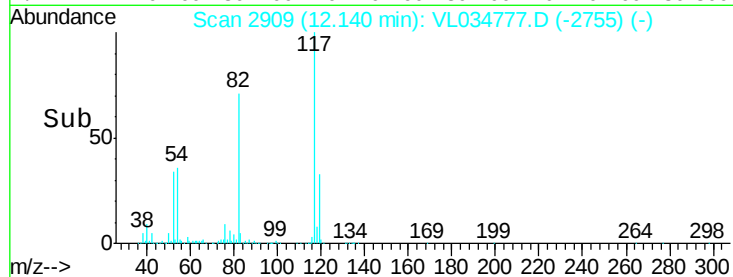
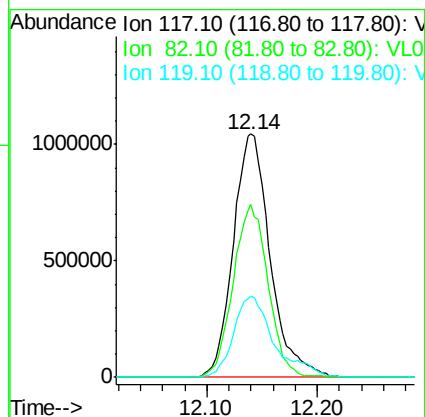
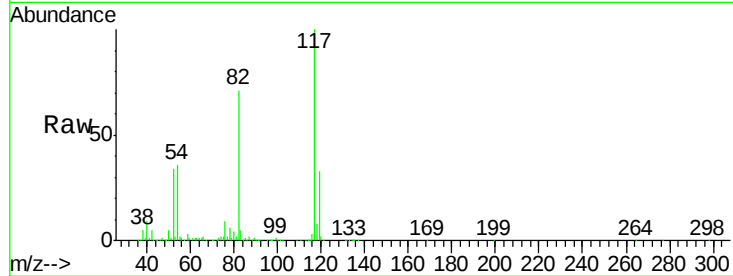
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion:117 Resp: 2417805
Ion Ratio Lower Upper
117 100
82 67.3 53.9 80.9
119 36.8 25.0 37.4

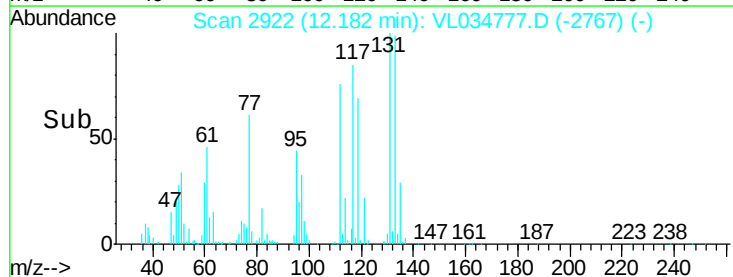
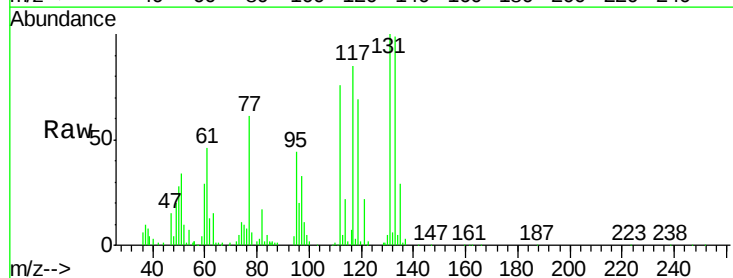
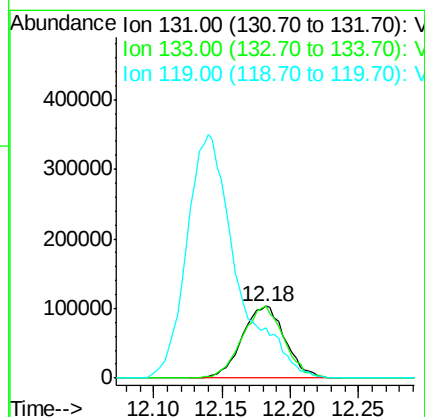
Manual Integrations
APPROVED

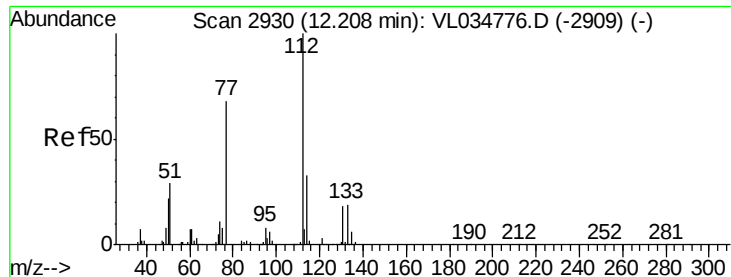
apatel
3/4/2020 4:44:55 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 2.176 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion:131 Resp: 226292
Ion Ratio Lower Upper
131 100
133 97.0 75.4 113.0
119 393.3 110.5 165.7#





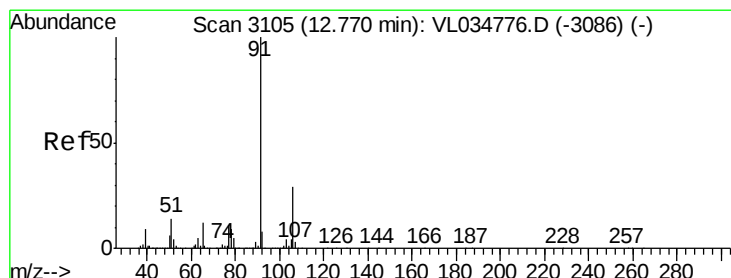
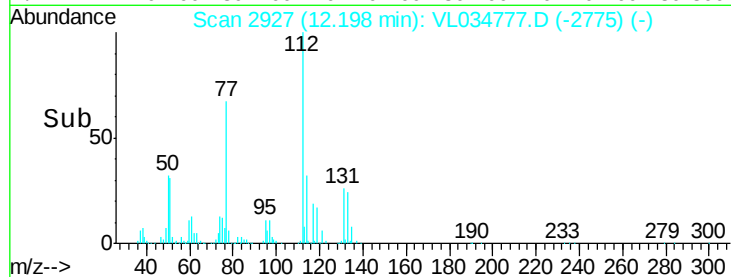
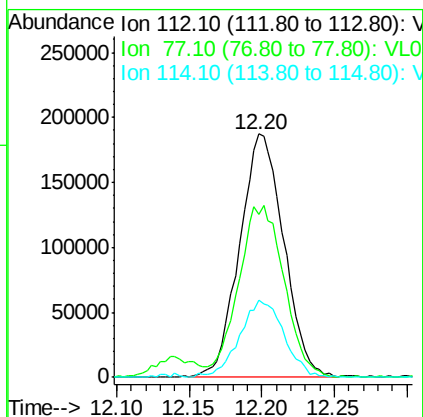
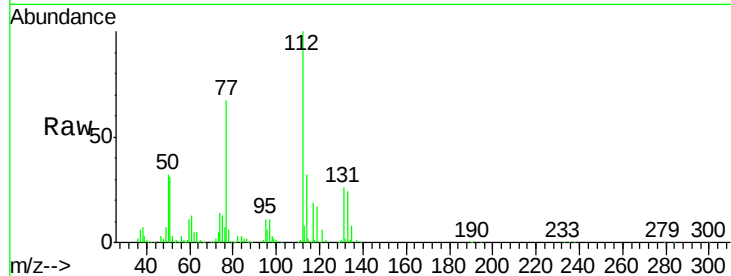
#57
Chlorobenzene
Concen: 2.201 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.9	55.6	83.4
114	31.8	29.4	36.0

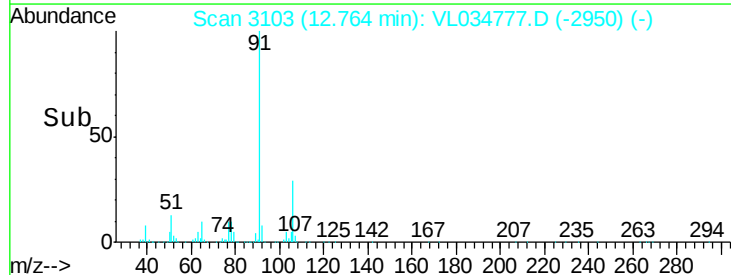
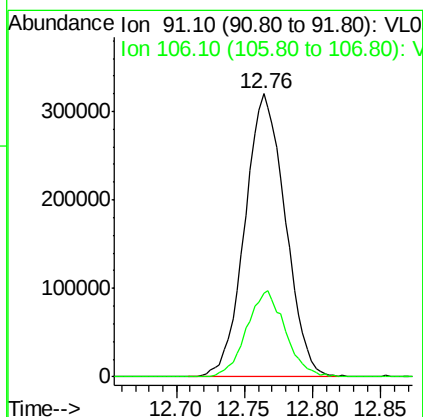
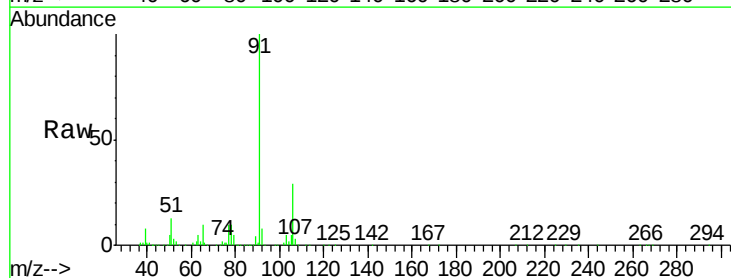
Manual Integrations
APPROVED

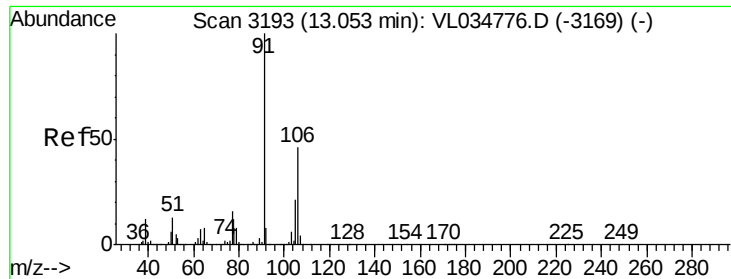
apatel
3/4/2020 4:44:55 PM



#58
Ethyl Benzene
Concen: 2.238 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	22.8	34.2





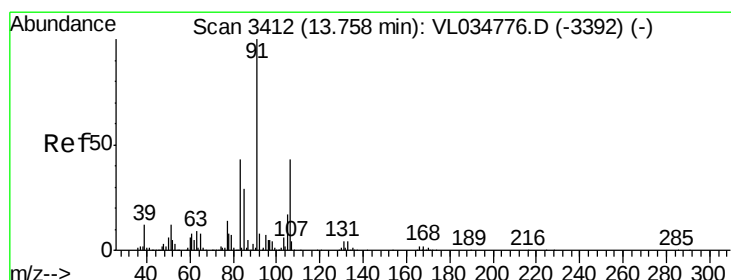
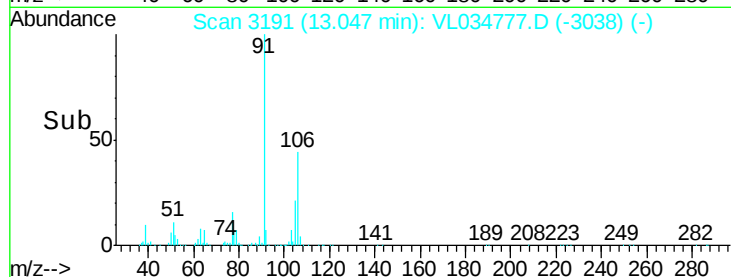
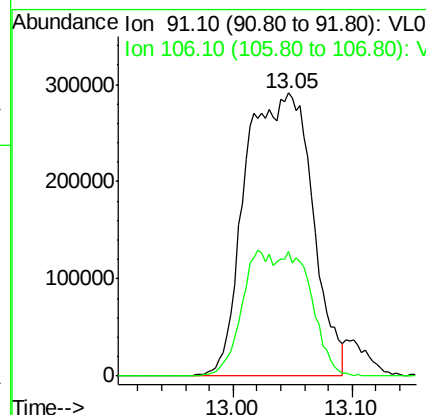
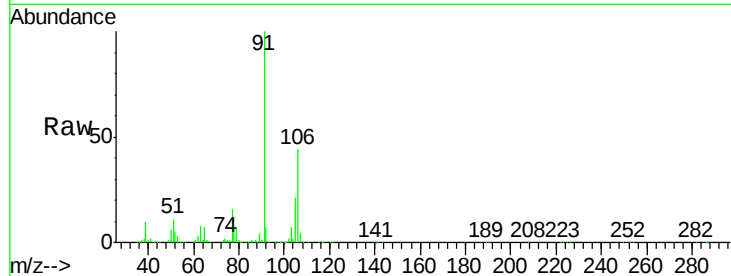
#59
m/p-Xylene
Concen: 4.445 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1134162
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#

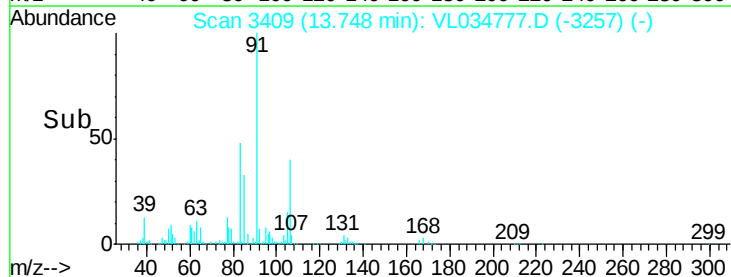
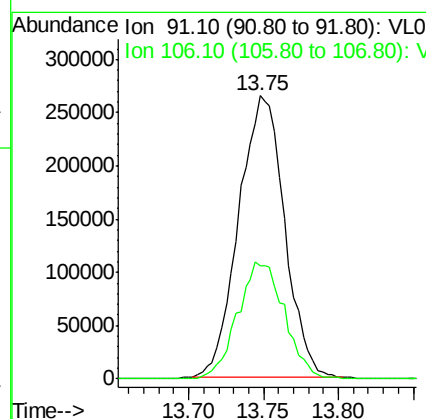
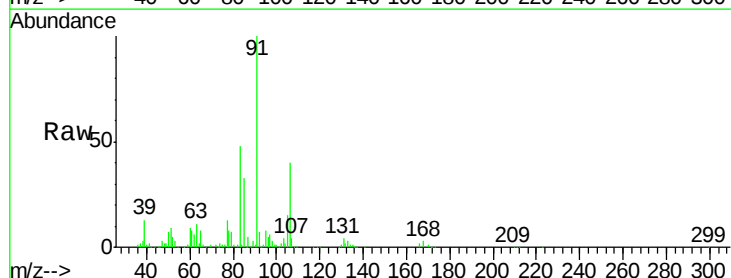
Manual Integrations
APPROVED

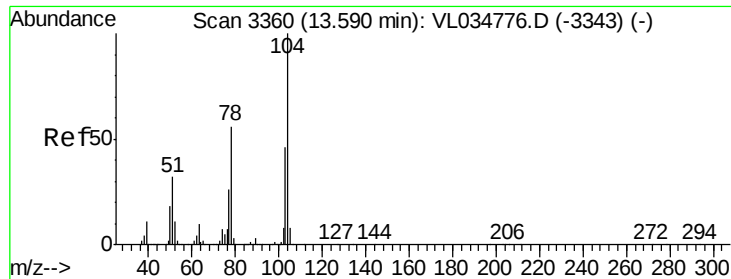
apatel
3/4/2020 4:44:55 PM



#60
o-Xylene
Concen: 2.220 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion: 91 Resp: 564462
Ion Ratio Lower Upper
91 100
106 42.5 21.7 65.1





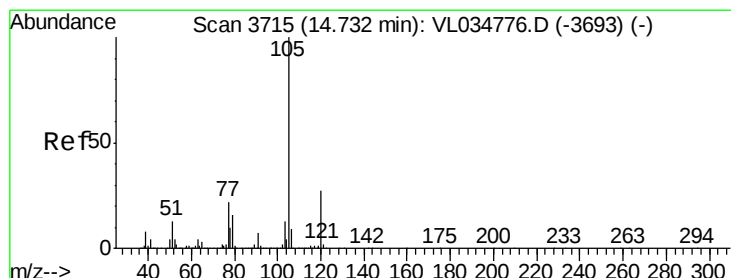
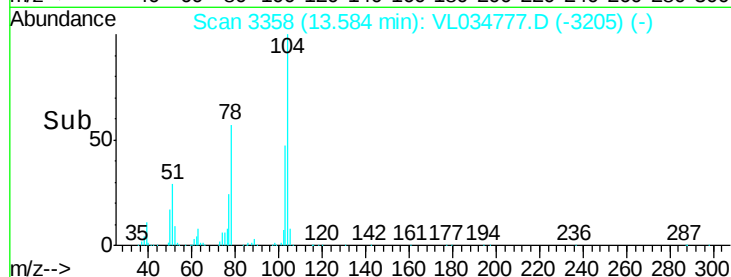
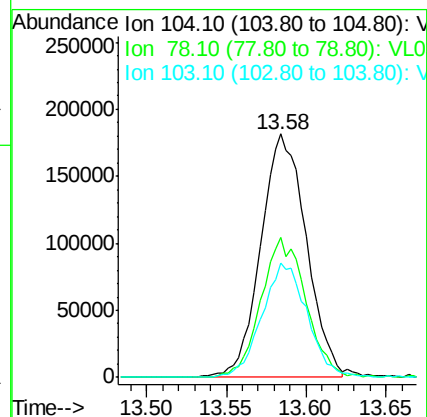
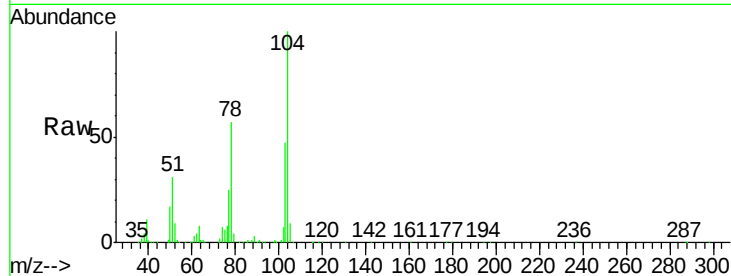
#61
Stvrene
Concen: 2.192 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.7	44.7	67.1
103	46.9	38.2	57.2

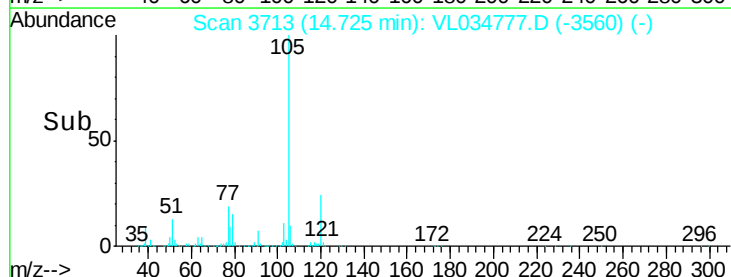
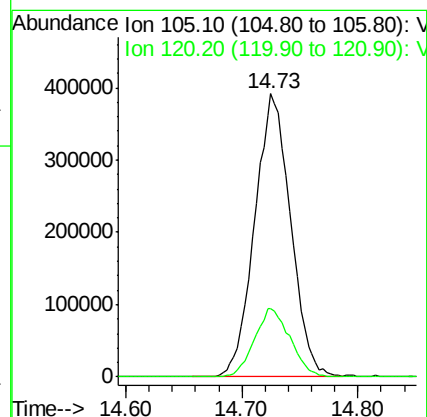
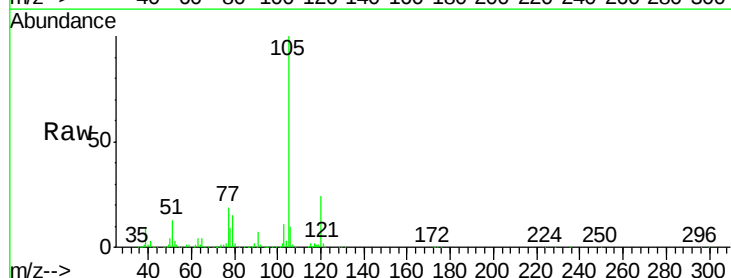
Manual Integrations
APPROVED

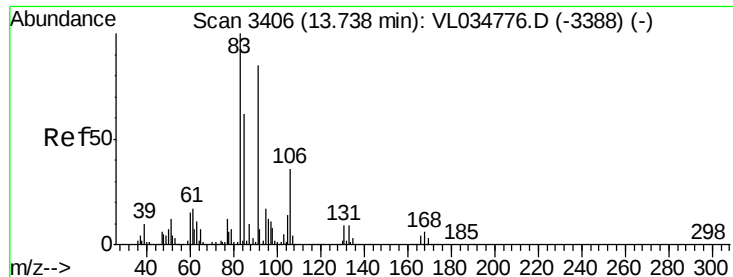
apatel
3/4/2020 4:44:55 PM



#62
Isopropylbenzene
Concen: 2.283 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.5	30.7





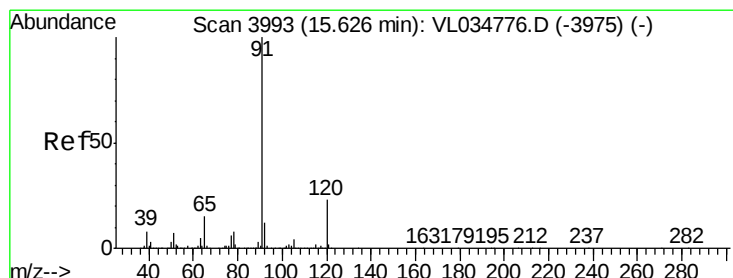
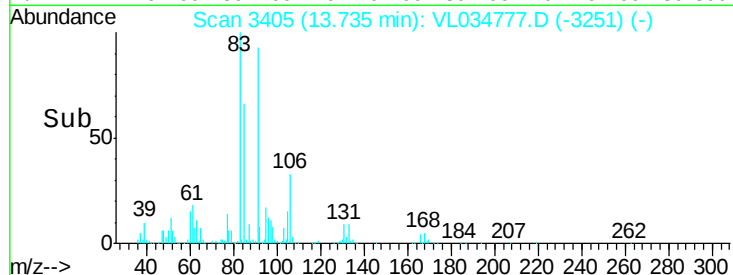
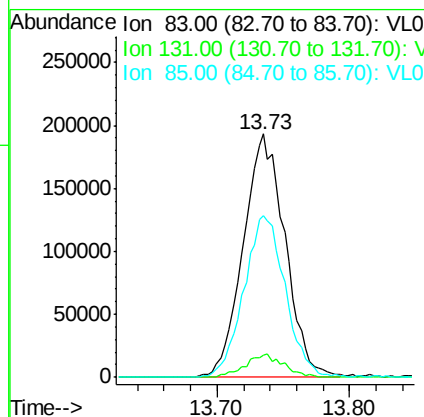
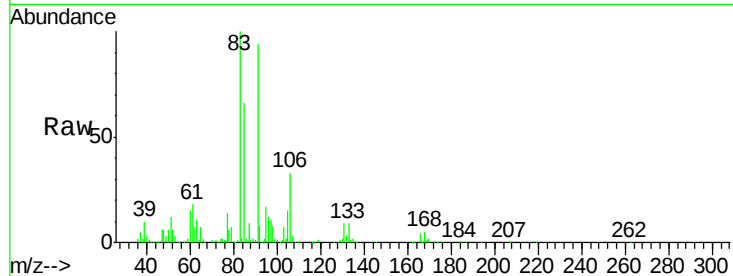
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.142 ppbv
 RT: 13.73 min Scan# 3405
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	83	Resp	424324
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	66.0	32.9	98.7

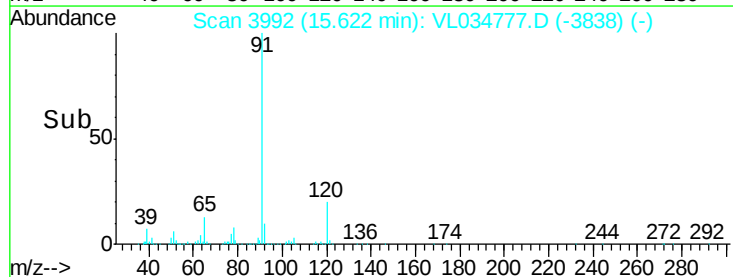
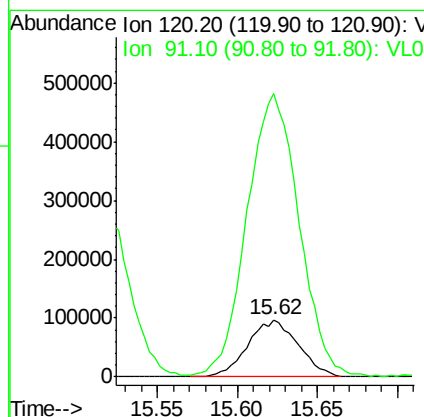
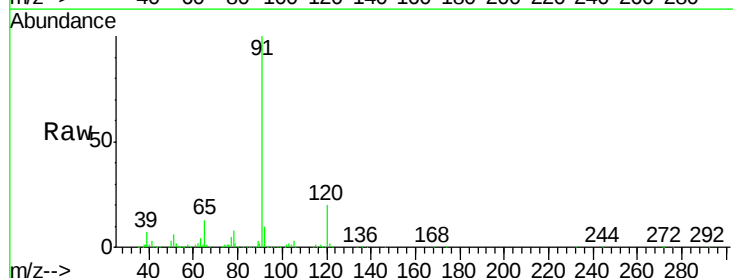
Manual Integrations
 APPROVED

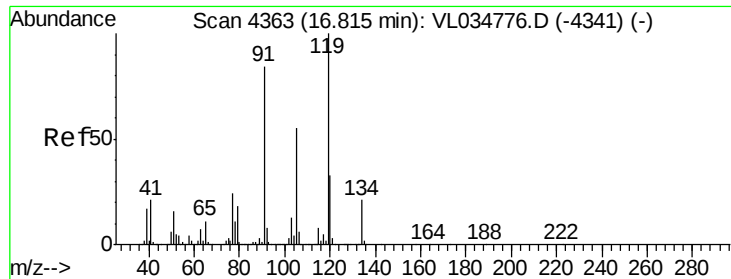
apatel
 3/4/2020 4:44:55 PM



#64
 n-propylbenzene
 Concen: 2.195 ppbv
 RT: 15.62 min Scan# 3992
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	120	Resp	209781
Ion Ratio	100	Lower	Upper
120	100		
91	516.4	379.4	569.2





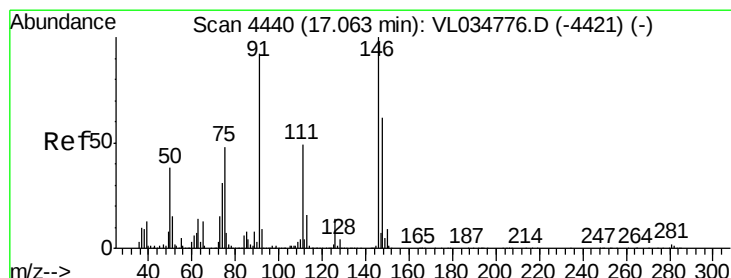
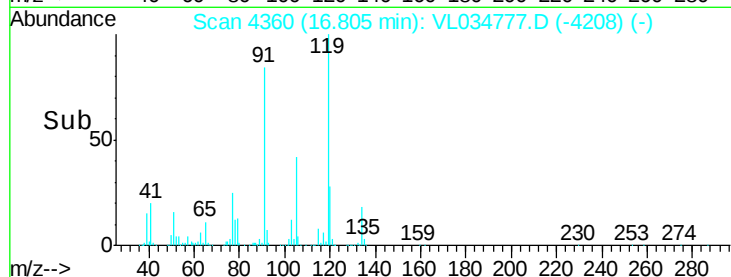
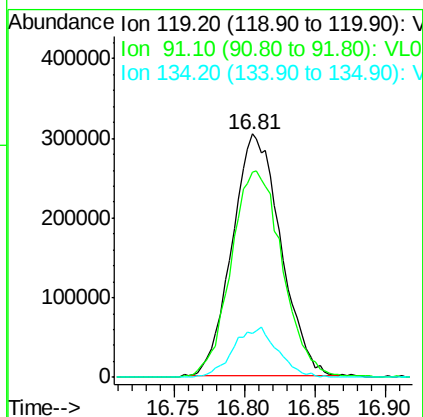
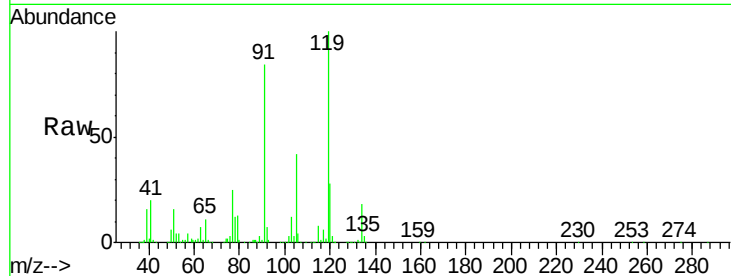
#65
tert-Butylbenzene
Concen: 2.263 ppbv
RT: 16.81 min Scan# 4360
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	91.3	69.8	104.6
134	19.3	15.9	23.9

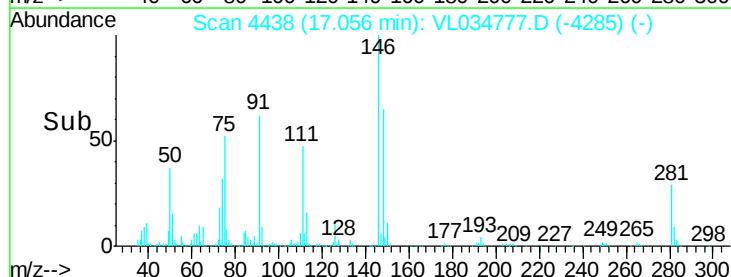
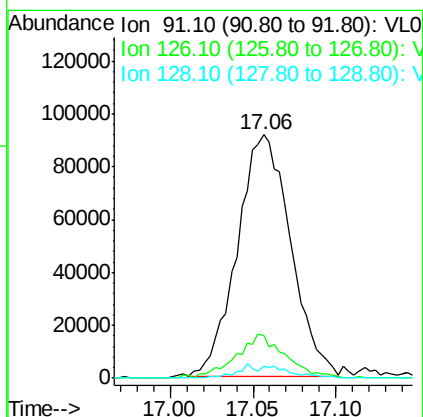
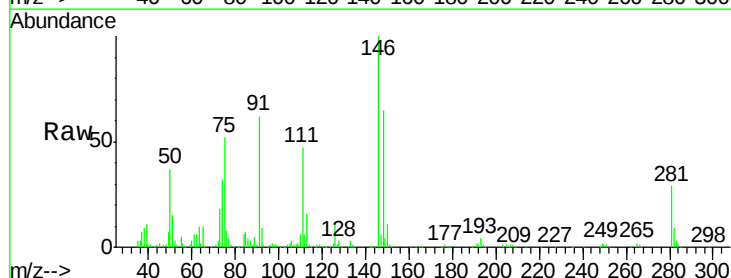
Manual Integrations
APPROVED

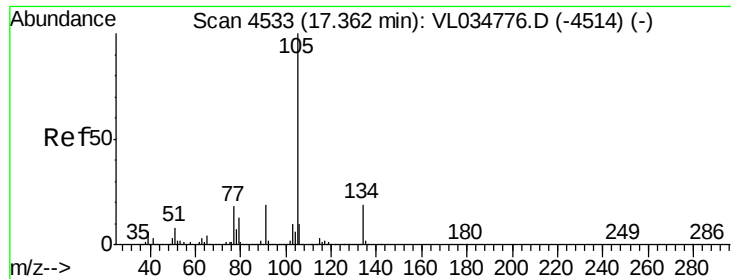
apatel
3/4/2020 4:44:55 PM



#66
Benzyl Chloride
Concen: 1.759 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.01 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.9	12.6	18.8
128	5.0	4.3	6.5





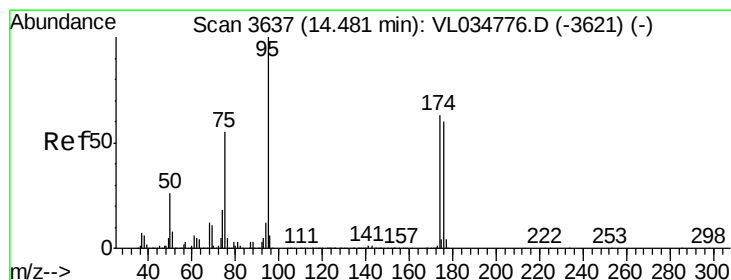
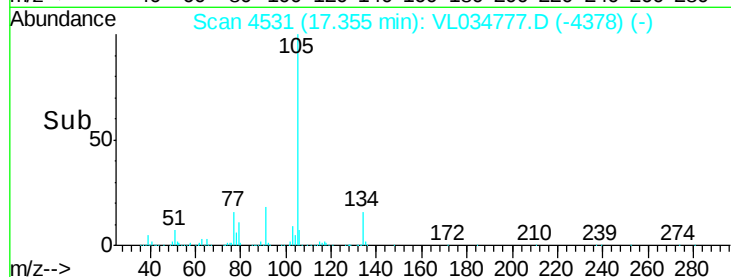
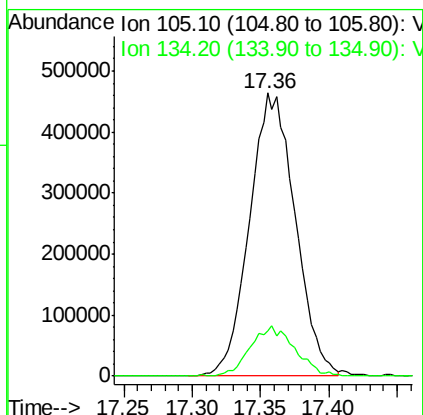
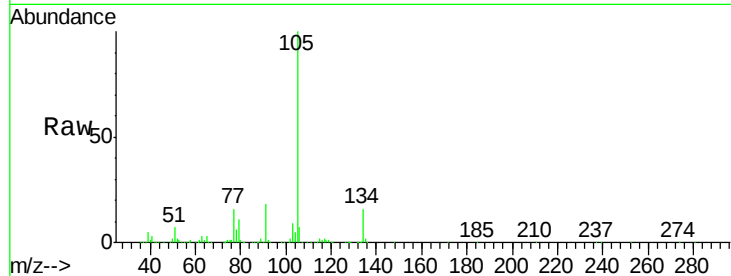
#67
 sec-Butylbenzene
 Concen: 2.332 ppbv
 RT: 17.36 min Scan# 4531
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 105 Resp: 1079139
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.7 22.1

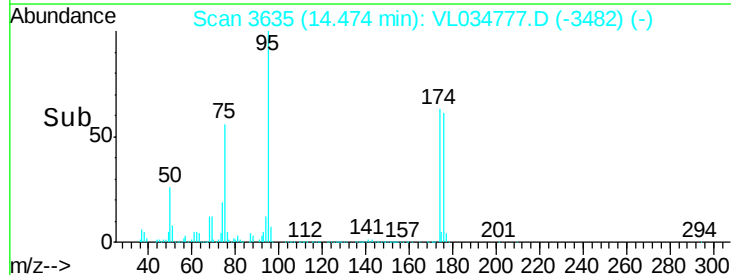
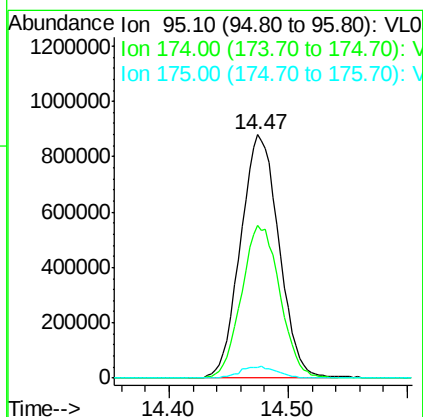
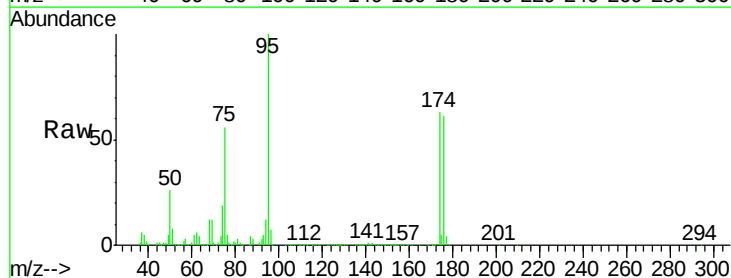
Manual Integrations
 APPROVED

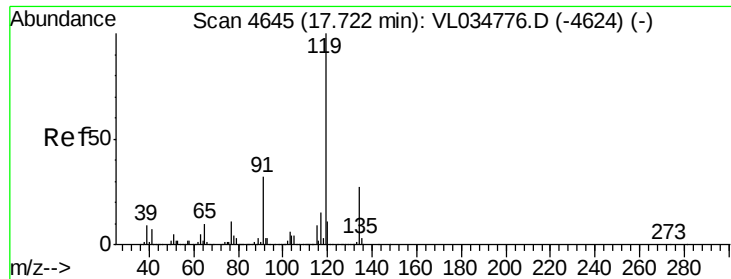
apatel
 3/4/2020 4:44:55 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.910 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion: 95 Resp: 1964779
 Ion Ratio Lower Upper
 95 100
 174 63.3 50.6 76.0
 175 4.7 3.8 5.6





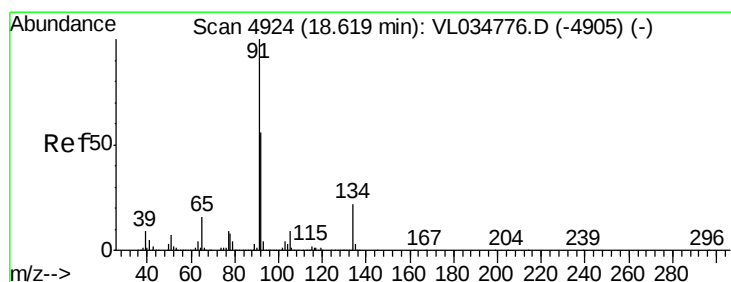
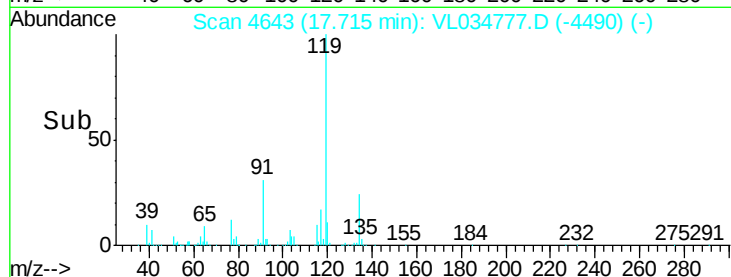
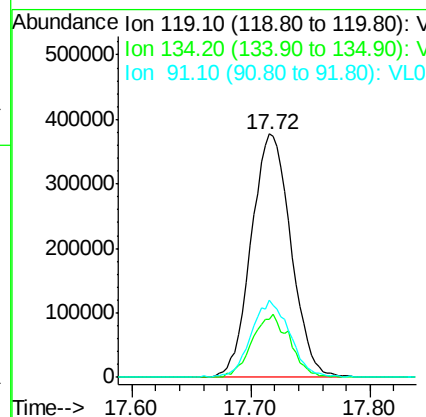
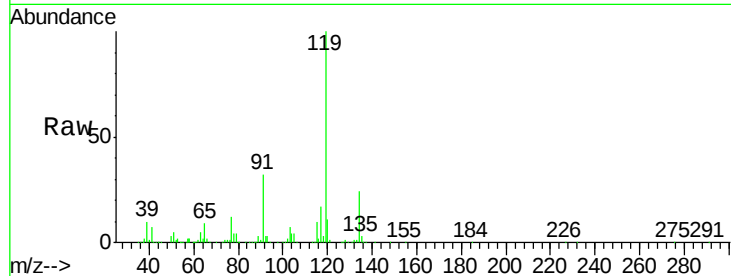
#69
 p-Isopropyltoluene
 Concen: 2.282 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	869406		
134	24.8		20.6	30.8
91	31.2		25.3	37.9

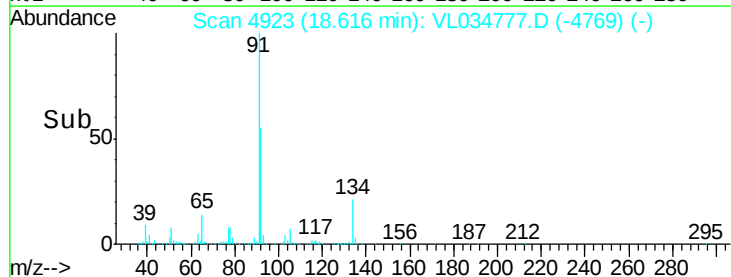
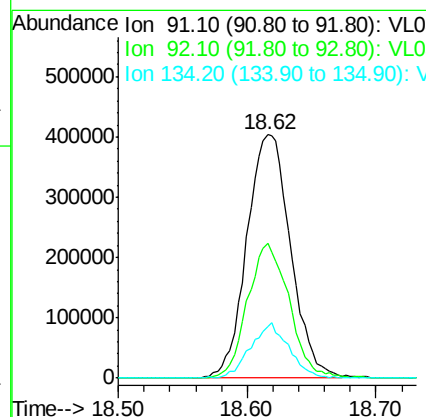
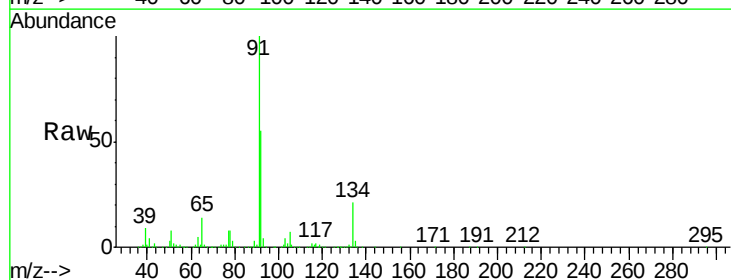
Manual Integrations
 APPROVED

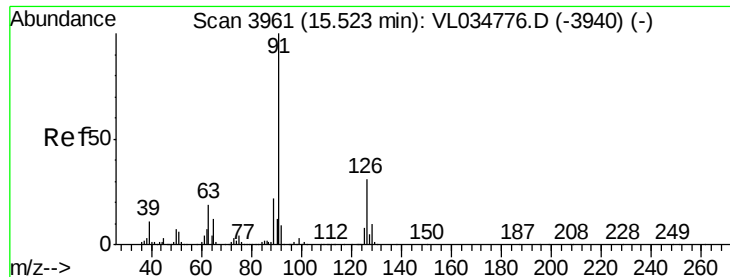
apatel
 3/4/2020 4:44:55 PM



#70
 n-Butylbenzene
 Concen: 2.288 ppbv
 RT: 18.62 min Scan# 4923
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	950487		
92	53.2		44.0	66.0
134	20.1		17.7	26.5





#71

2-Chlorotoluene

Concen: 2.290 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. -0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 659608

Ion Ratio Lower Upper

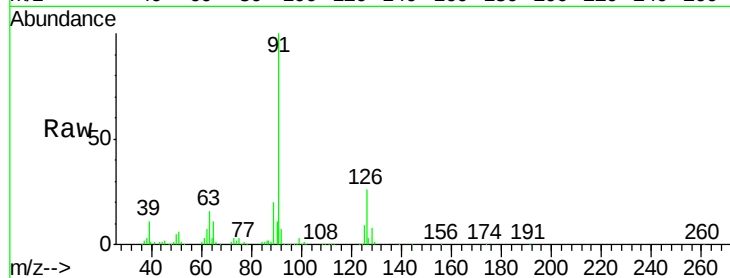
91 100

126 27.4 11.7 46.7

Manual Integrations
APPROVED

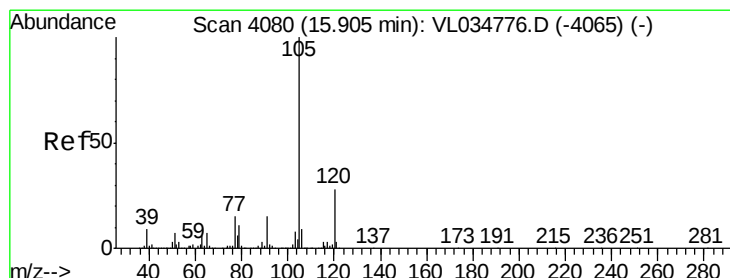
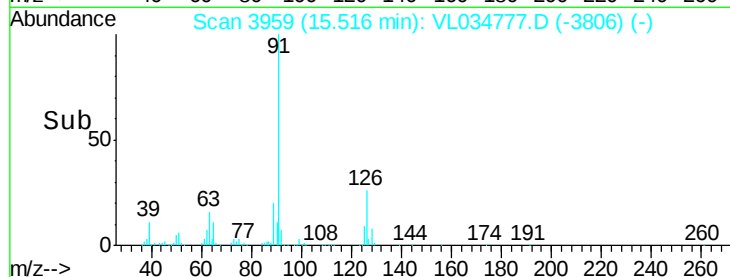
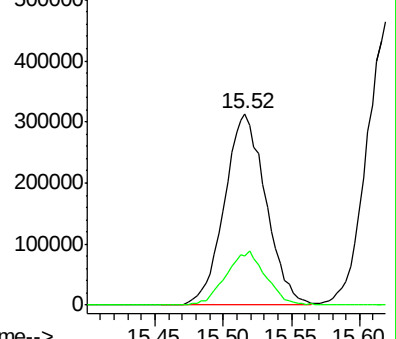
apatel

3/4/2020 4:44:55 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.277 ppbv

RT: 15.91 min Scan# 4080

Delta R.T. -0.00 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion: 105 Resp: 645881

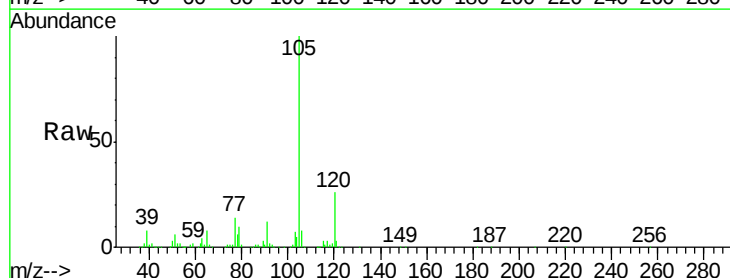
Ion Ratio Lower Upper

105 100

120 28.6 23.0 34.6

91 14.1 11.1 16.7

77 15.5 12.2 18.4

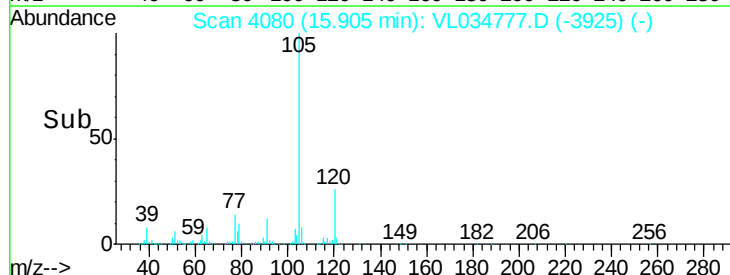
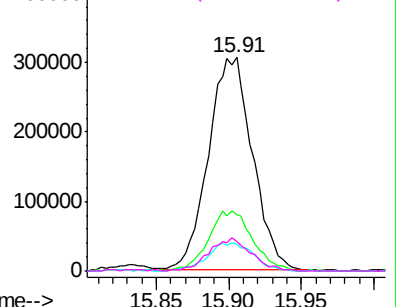


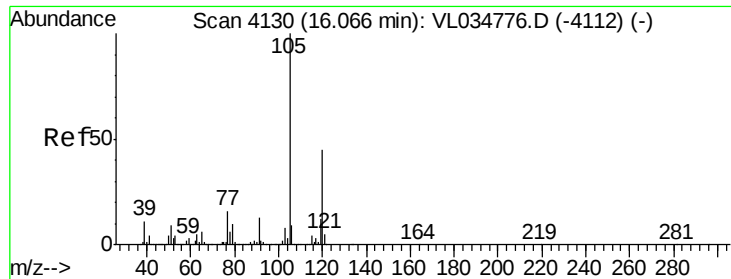
Abundance Ion 105.10 (104.80 to 105.80): V

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: 2.244 ppbv

RT: 16.06 min Scan# 4128

Delta R.T. -0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 613420

Ion Ratio Lower Upper

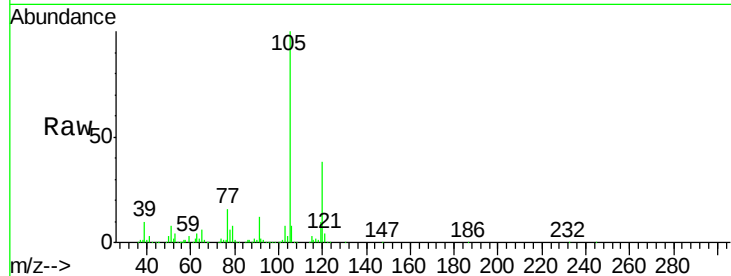
105 100

120 37.7 35.6 53.4

Manual Integrations
APPROVED

apatel

3/4/2020 4:44:55 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.06

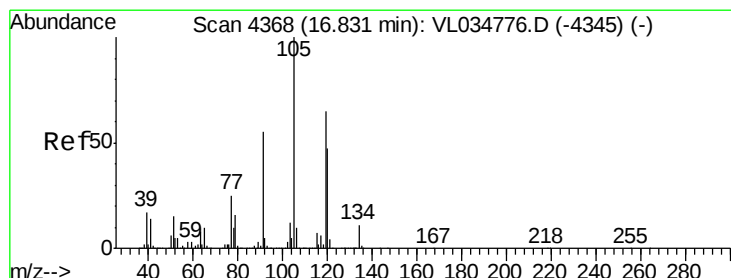
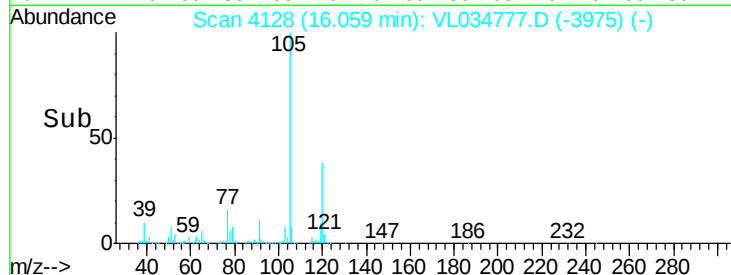
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.227 ppbv m

RT: 16.82 min Scan# 4365

Delta R.T. -0.01 min

Lab File: VL034777.D

Acq: 4 Mar 2020 2:04

Tgt Ion:105 Resp: 672747

Ion Ratio Lower Upper

105 100

120 45.3 37.8 56.6

91 59.7 43.8 65.8

77 23.5 19.9 29.9

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

400000

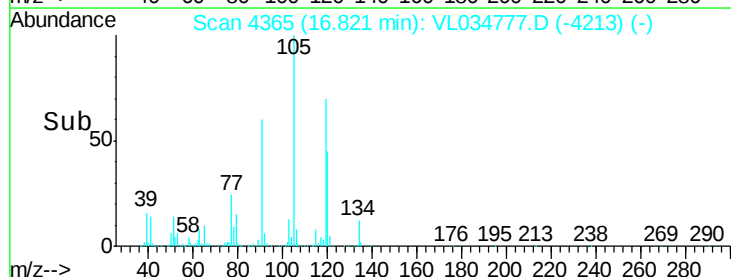
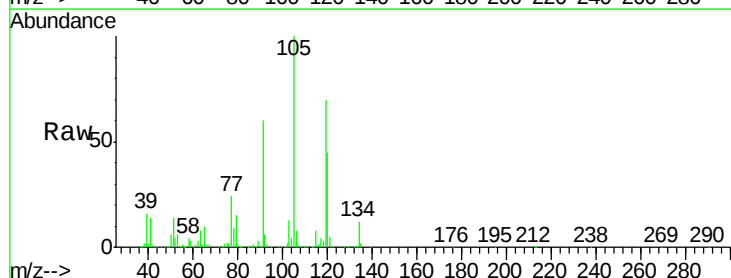
300000

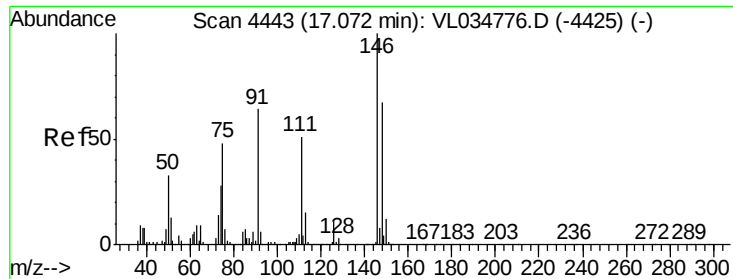
200000

100000

0

Time-->





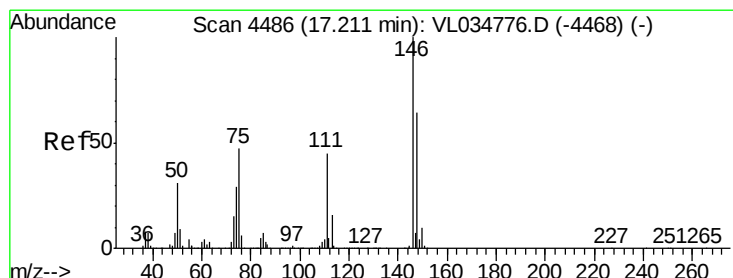
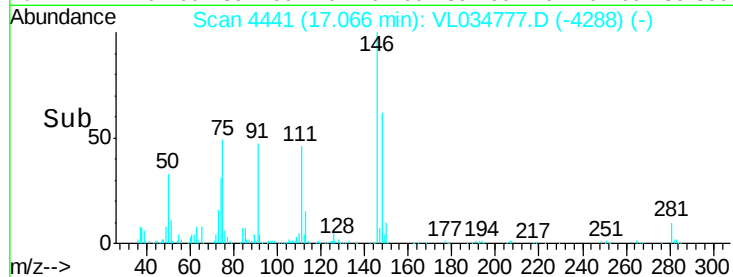
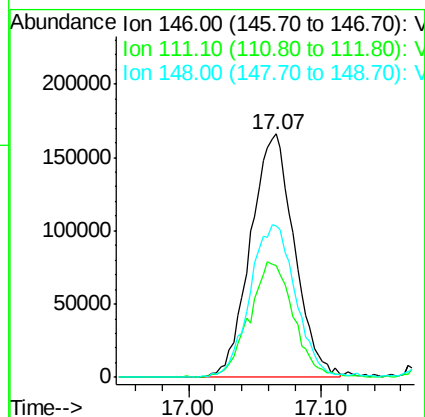
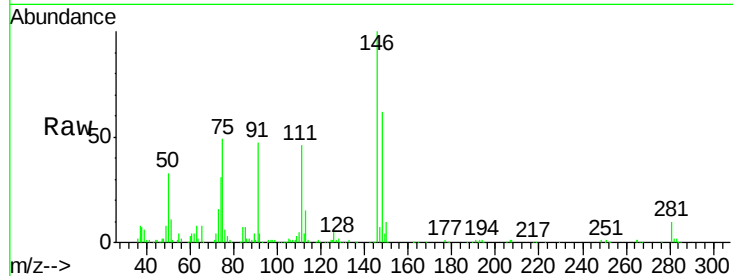
#75
 1,3-Dichlorobenzene
 Concen: 2.186 ppbv
 RT: 17.07 min Scan# 4441
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.7	74.1
148	66.1	31.8	95.4

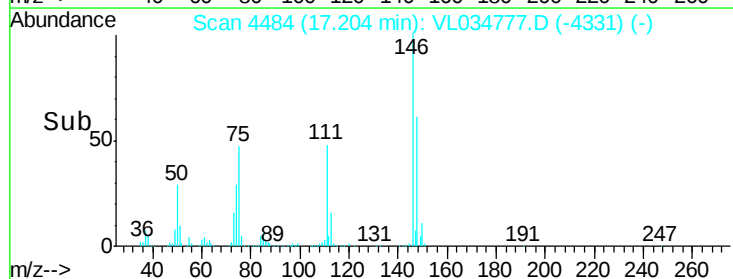
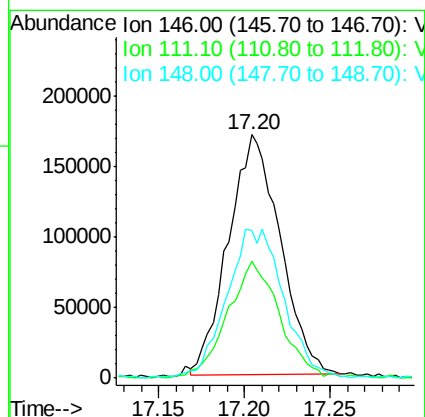
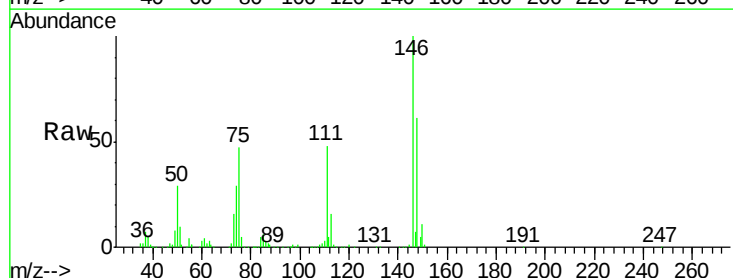
Manual Integrations
 APPROVED

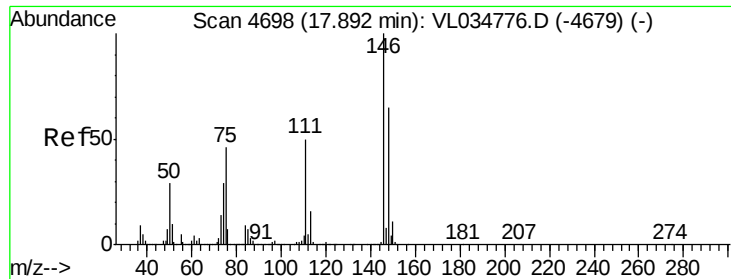
apatel
 3/4/2020 4:44:55 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.055 ppbv
 RT: 17.20 min Scan# 4484
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.7	23.5	70.5
148	67.3	32.2	96.6





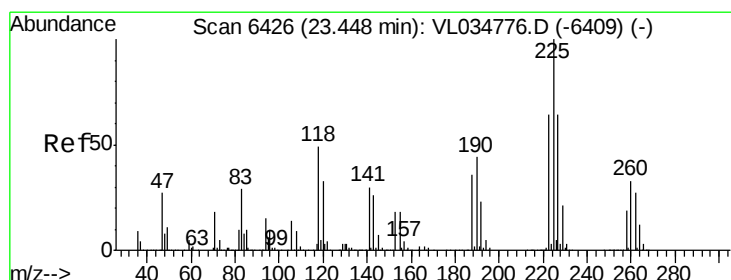
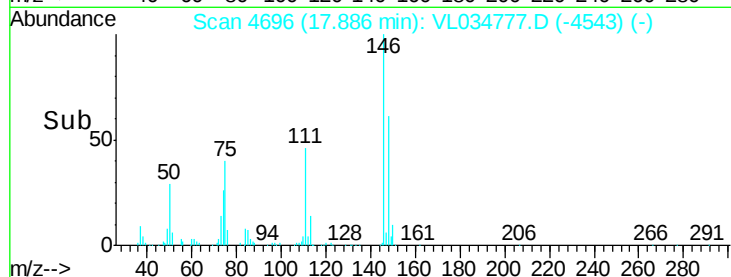
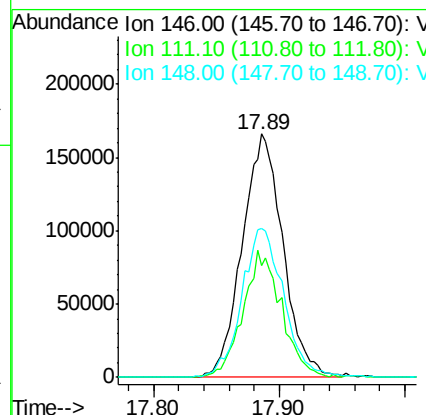
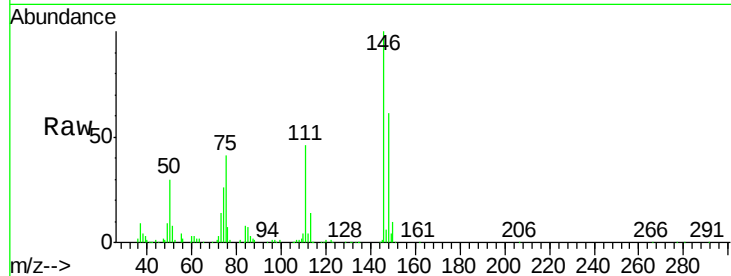
#77
 1,2-Dichlorobenzene
 Concen: 2.229 ppbv
 RT: 17.89 min Scan# 4696
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	25.3	75.8
148	63.2	32.3	96.9

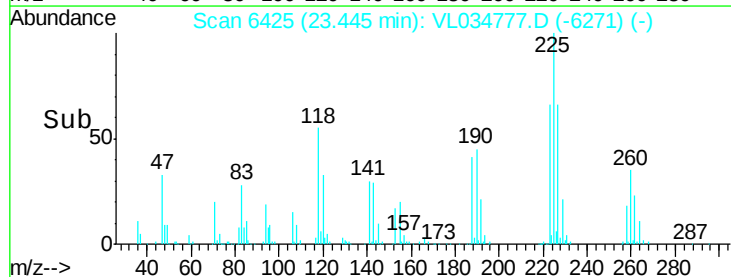
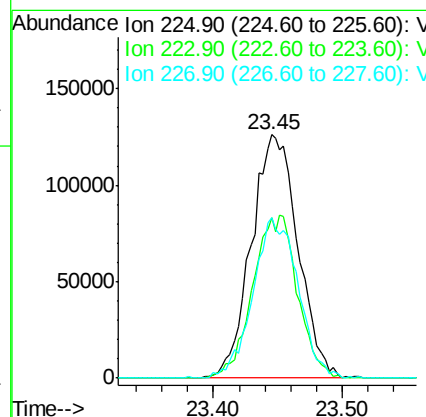
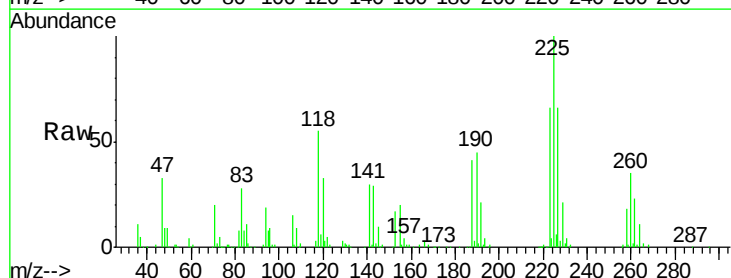
Manual Integrations
 APPROVED

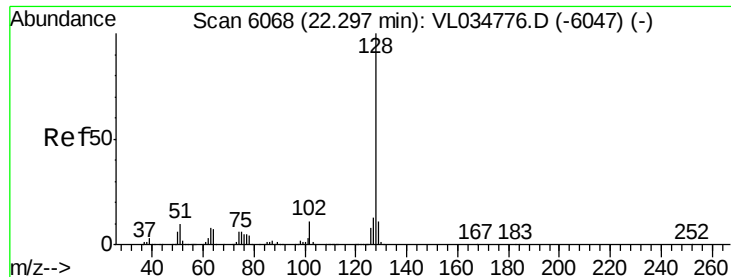
apatel
 3/4/2020 4:44:55 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.188 ppbv
 RT: 23.45 min Scan# 6425
 Delta R.T. -0.00 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.3	76.9
227	63.8	51.9	77.9





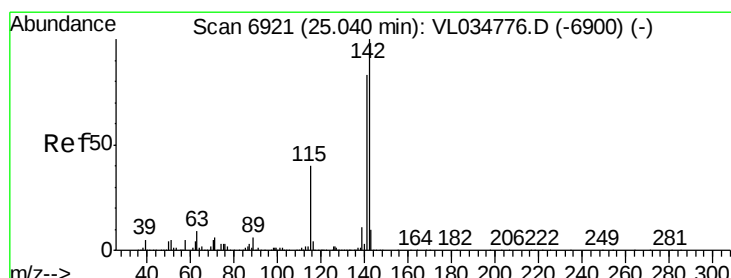
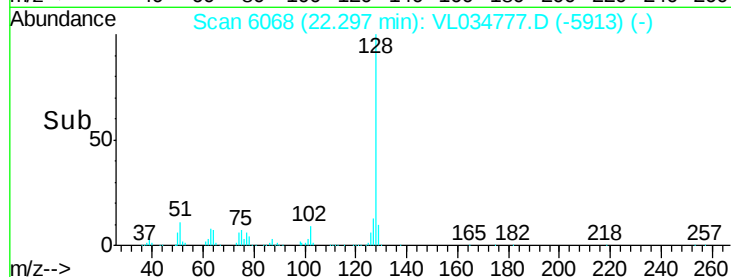
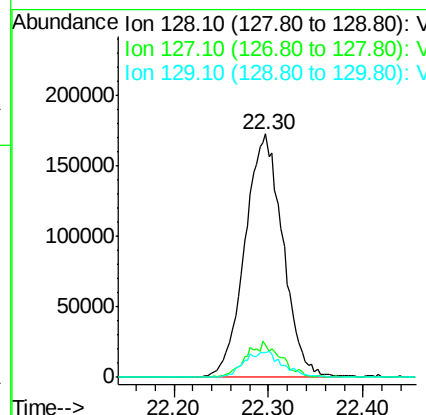
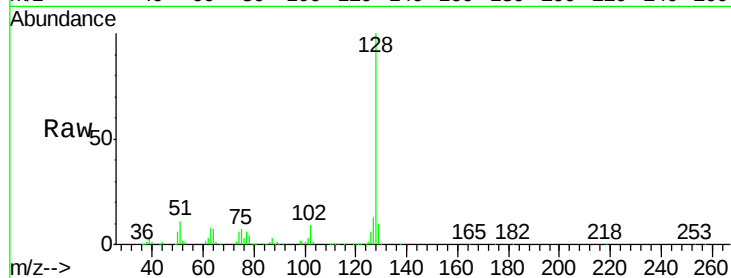
#79
Naphthalene
Concen: 1.804 ppbv
RT: 22.30 min Scan# 6068
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.2	9.0	13.6

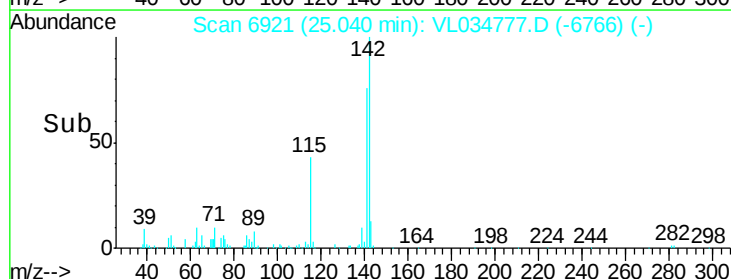
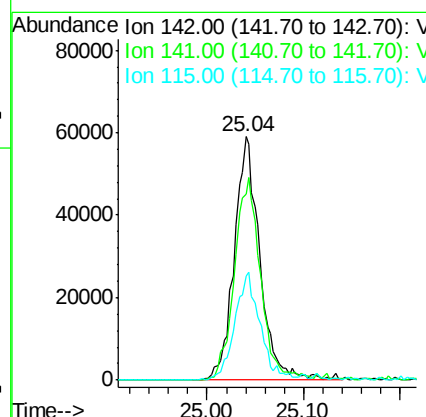
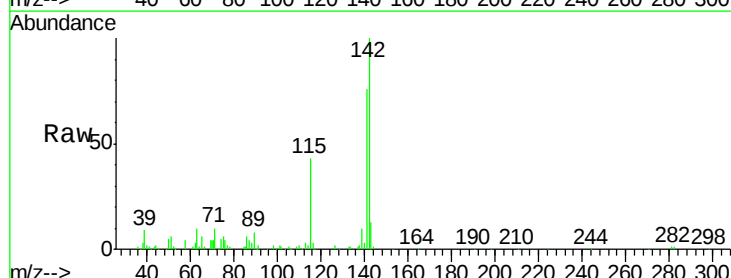
Manual Integrations
APPROVED

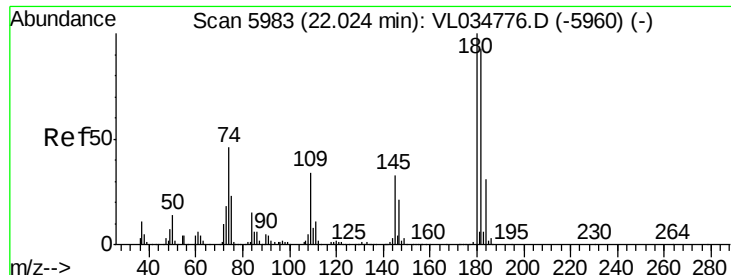
apatel
3/4/2020 4:44:55 PM



#80
Naphthalene, 2-methyl-
Concen: 1.322 ppbv
RT: 25.04 min Scan# 6921
Delta R.T. -0.00 min
Lab File: VL034777.D
Acq: 4 Mar 2020 2:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.7	101.5
115	43.5	30.7	46.1





#81
 1,2,4-Trichlorobenzene
 Concen: 1.938 ppbv m
 RT: 22.01 min Scan# 5980
 Delta R.T. -0.01 min
 Lab File: VL034777.D
 Acq: 4 Mar 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.8	115.2#
184	29.2	24.8	37.2

Manual Integrations
 APPROVED

apatel
 3/4/2020 4:44:55 PM

