

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036065.D
 Acq On : 7 Dec 2020 13:09
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:10 AM

Quant Time: Dec 07 13:45:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1313591	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3004411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2847197	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2167067	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	274385	1.200	ppbv	89
3) Chlorodifluoromethane	3.00	51	294061	1.898	ppbv	100
4) Chloromethane	3.15	50	145701	1.921	ppbv	92
5) Vinyl Chloride	3.27	62	144224	1.497	ppbv	96
6) Bromomethane	3.48	94	81859m	1.080	ppbv	
7) Chloroethane	3.56	64	57087m	1.650	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	336855	1.249	ppbv	99
9) Propene	3.02	41	146585	2.709	ppbv	94
10) Heptane	8.14	43	368099	2.493	ppbv	98
11) Trichlorofluoromethane	3.96	101	353178	1.140	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	245172m	1.051	ppbv	
13) Ethanol	3.62	45	22206	2.029	ppbv	94
14) Bromoethene	3.75	108	101298m	1.072	ppbv	
15) Acetone	3.87	43	330657	2.423	ppbv #	87
16) 1,3-Butadiene	3.33	39	144229	2.405	ppbv	94
17) tert-Butyl alcohol	4.31	59	272841m	1.824	ppbv	
18) 1,1-Dichloroethene	4.30	96	109088m	1.055	ppbv	
19) Isopropyl Alcohol	3.98	45	178233m	2.434	ppbv	
20) Methylene Chloride	4.36	84	132405	1.121	ppbv	97
21) Allyl Chloride	4.43	41	194848	2.679	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	112519m	1.096	ppbv	
23) Vinyl Acetate	5.09	43	428976	2.662	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	290382	1.577	ppbv	98
25) Ethyl Acetate	5.70	43	628806	2.291	ppbv	99
26) Hexane	5.70	57	298321m	2.047	ppbv	
27) Carbon Disulfide	4.56	76	285666m	1.346	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	406723m	1.872	ppbv	
29) Chloroform	5.77	83	369221	1.341	ppbv	93
30) Cyclohexane	7.15	84	205075	1.491	ppbv	84
31) cis-1,2-Dichloroethene	5.56	61	244093	1.830	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	380685m	1.508	ppbv	
34) 2-Butanone	5.26	43	403734m	3.921	ppbv	
35) Carbon Tetrachloride	7.03	117	352995	2.247	ppbv	98
36) Benzene	6.91	78	496272	2.415	ppbv	97
37) 1,2-Dichloroethane	6.32	62	292381	2.743	ppbv	99
38) Trichloroethene	7.86	130	184337	2.005	ppbv	97
39) 1,2-Dichloropropane	7.63	63	202419m	2.571	ppbv	
40) 1,4-Dioxane	7.87	88	60320m	2.298	ppbv	
41) Tetrahydrofuran	6.08	42	237910m	4.425	ppbv	
42) Bromodichloromethane	7.81	83	395010	2.343	ppbv	98
43) Methyl Methacrylate	8.04	69	216134	2.887	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036065.D
 Acq On : 7 Dec 2020 13:09
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

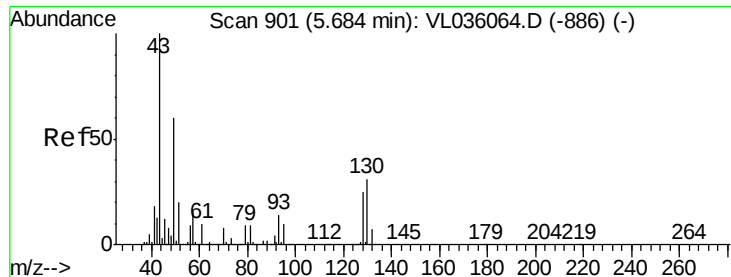
Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:10 AM

Quant Time: Dec 07 13:45:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 13:45:12 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	947719	3.111	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	229749m	3.247	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	287384m	3.030	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	192392	1.950	ppbv	92
48) Dibromochloromethane	10.33	129	291653	2.100	ppbv	98
49) Bromoform	13.07	173	240183	2.331	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	593584	3.792	ppbv	99
51) 2-Hexanone	10.17	43	475902m	4.202	ppbv	
52) Tetrachloroethene	11.25	164	164222	2.061	ppbv	97
53) Toluene	9.83	91	580873	2.596	ppbv	100
54) 1,2-Dibromoethane	10.64	107	286671m	2.048	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	235579	2.026	ppbv #	1
57) Chlorobenzene	12.17	112	402882	1.918	ppbv	92
58) Ethyl Benzene	12.74	91	797788	2.833	ppbv	100
59) m/p-Xylene	13.00	91	1351140m	5.262	ppbv	
60) o-Xylene	13.72	91	630604	2.434	ppbv	99
61) Styrene	13.55	104	399094	2.719	ppbv	99
62) Isopropylbenzene	14.70	105	938236	2.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	399331	1.839	ppbv	97
64) n-propylbenzene	15.59	120	224346m	2.216	ppbv	
65) tert-Butylbenzene	16.77	119	802914	2.490	ppbv	99
66) Benzyl Chloride	17.01	91	182915	2.355	ppbv	98
67) sec-Butylbenzene	17.32	105	1116614	2.535	ppbv	98
69) p-Isopropyltoluene	17.68	119	866964	2.607	ppbv	99
70) n-Butylbenzene	18.58	91	873013	2.652	ppbv	100
71) 2-Chlorotoluene	15.48	91	724340	2.738	ppbv	95
72) 4-Ethyltoluene	15.87	105	687231	2.576	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	675680m	2.703	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	675125	2.421	ppbv	92
75) 1,3-Dichlorobenzene	17.03	146	340443m	2.019	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	344436m	2.161	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	311651	2.015	ppbv	97
78) Hexachloro-1,3-Butadiene	23.41	225	258021m	3.035	ppbv	
79) Naphthalene	22.25	128	334601m	2.572	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	28044m	1.064	ppbv	
81) 1,2,4-Trichlorobenzene	21.98	180	224889m	2.517	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1313591

Ion Ratio Lower Upper

49 100

128 41.9 21.1 63.1

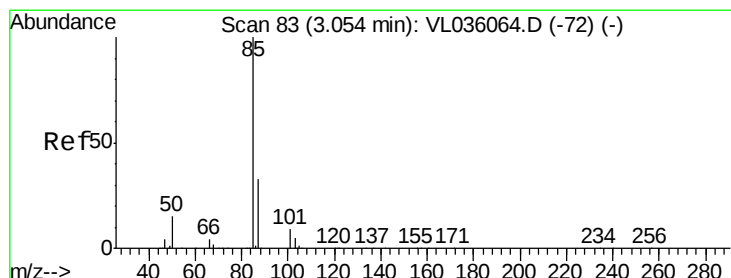
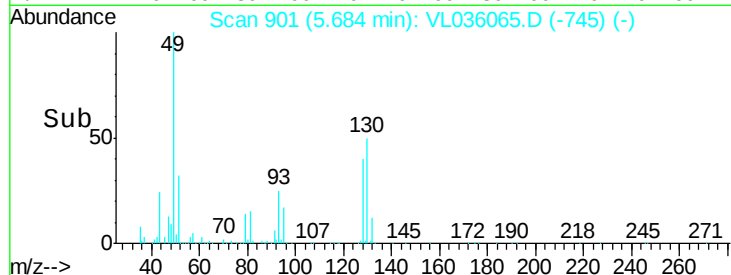
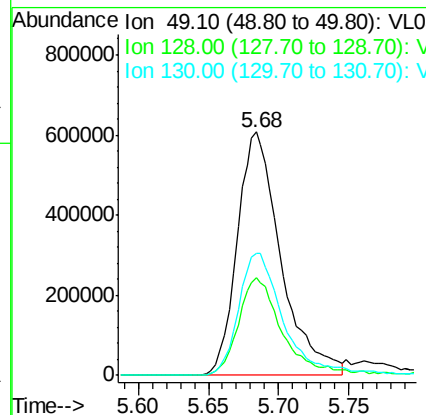
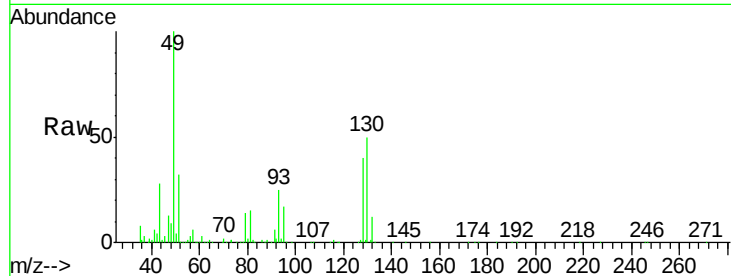
130 52.9 27.1 81.3

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:53:10 AM



#2

Dichlorodifluoromethane

Concen: 1.200 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL036065.D

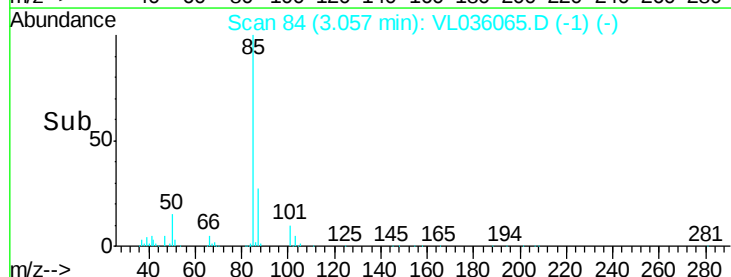
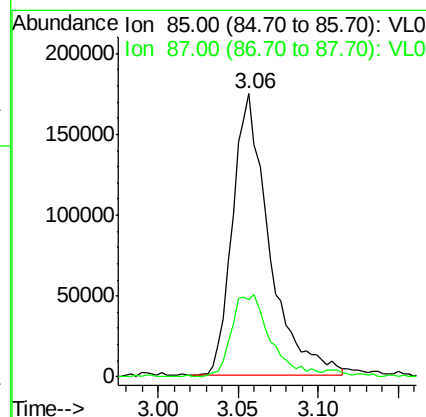
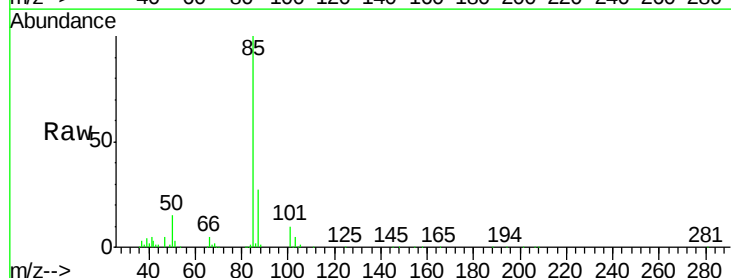
Acq: 7 Dec 2020 13:09

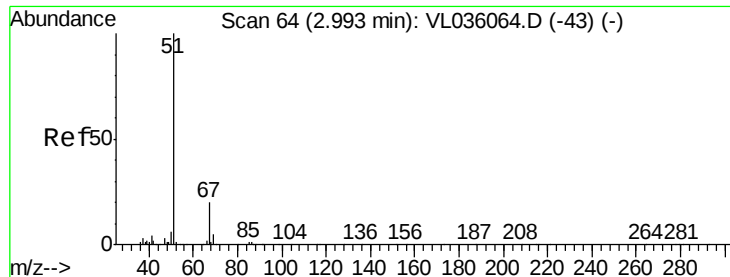
Tgt Ion: 85 Resp: 274385

Ion Ratio Lower Upper

85 100

87 27.1 26.5 39.7





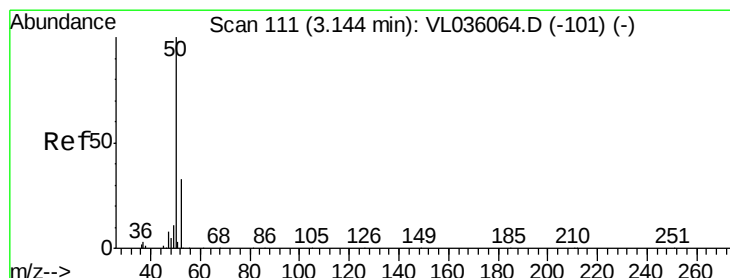
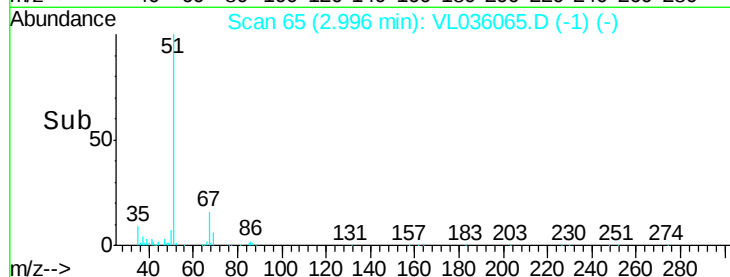
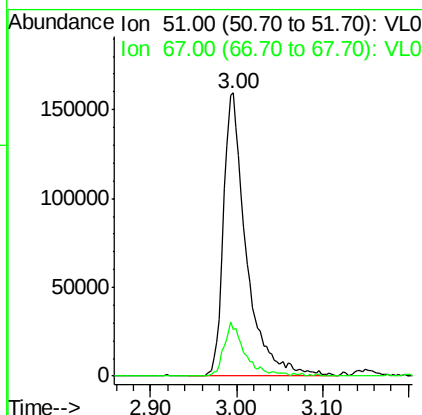
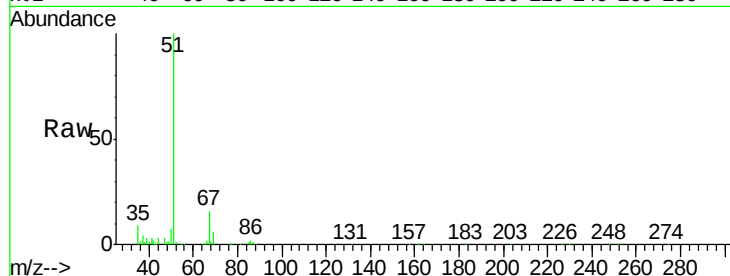
#3
Chlorodifluoromethane
Concen: 1.898 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.0	14.3	21.5

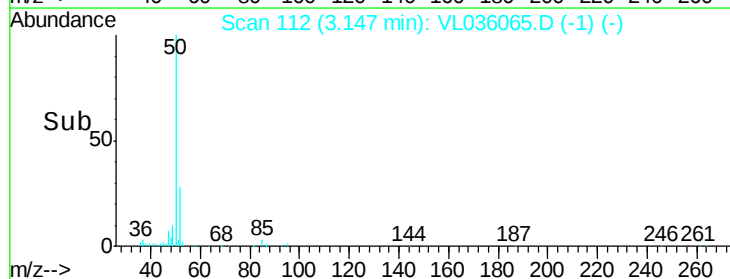
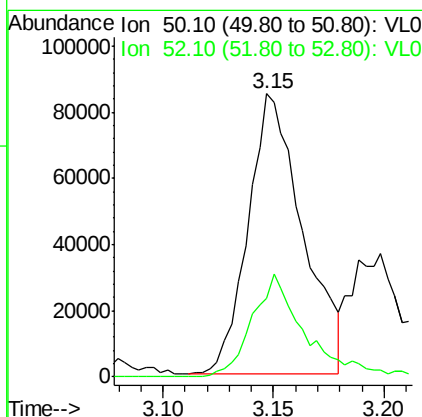
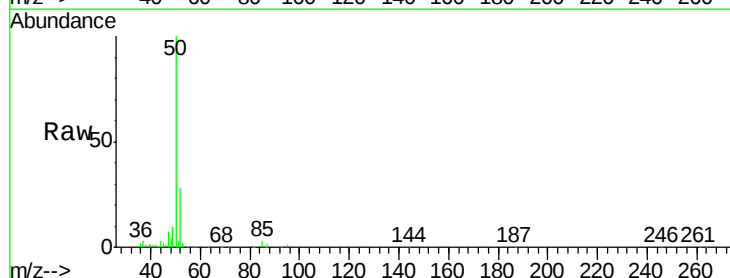
Manual Integrations
APPROVED

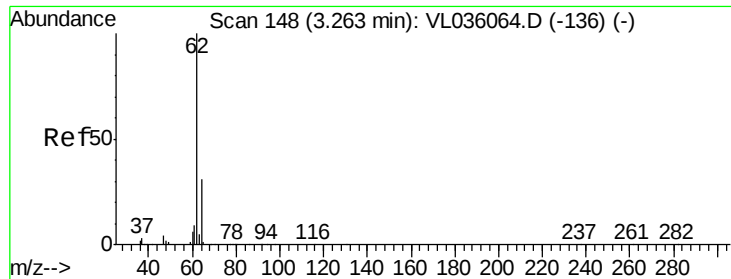
MMDadoda
12/10/2020 9:53:10 AM



#4
Chloromethane
Concen: 1.921 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.1	26.1	39.1





#5

Vinyl Chloride

Concen: 1.497 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 144224

Ion Ratio Lower Upper

62 100

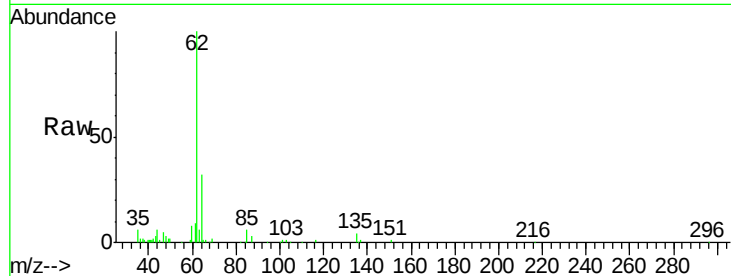
64 33.0 24.5 36.7

Manual Integrations

APPROVED

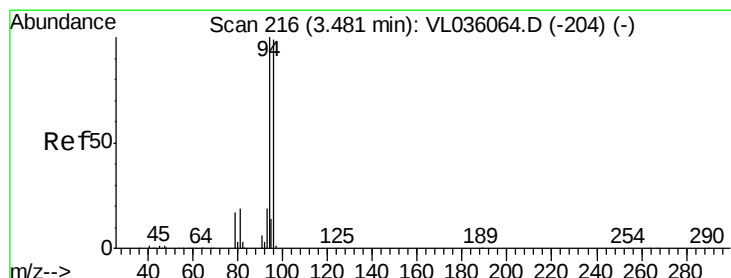
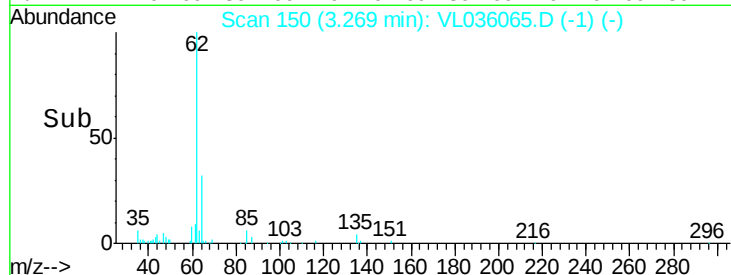
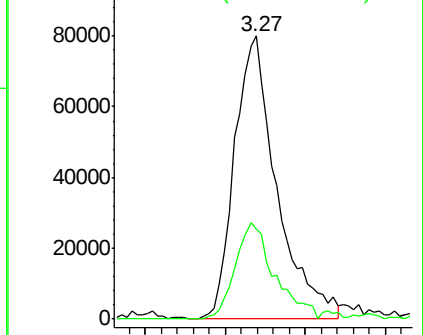
MMDadoda

12/10/2020 9:53:10 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.080 ppbv m

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL036065.D

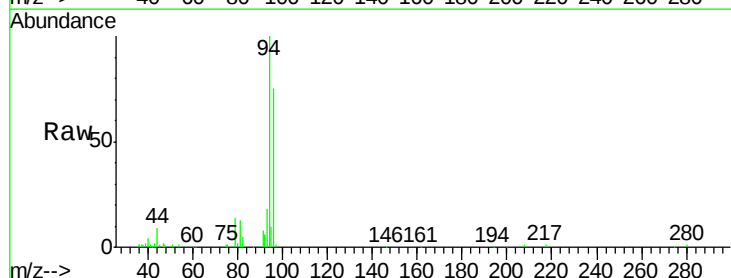
Acq: 7 Dec 2020 13:09

Tgt Ion: 94 Resp: 81859

Ion Ratio Lower Upper

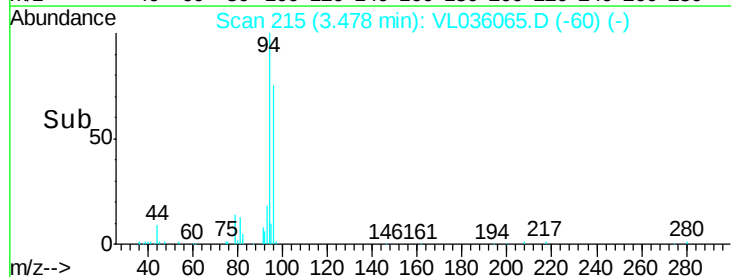
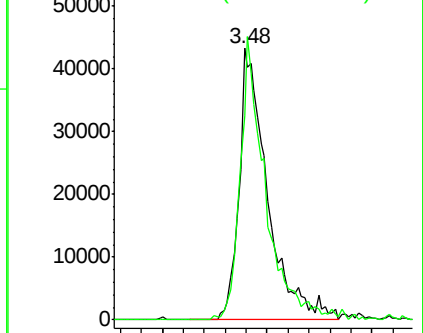
94 100

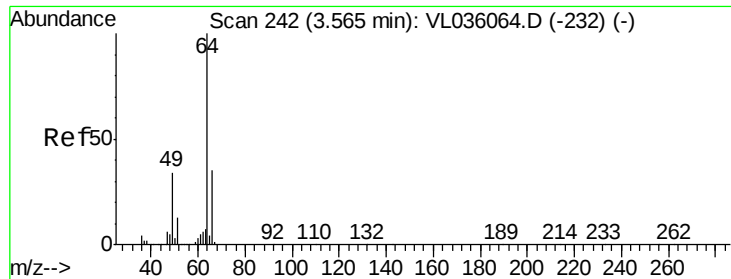
96 75.3 79.4 119.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.650 ppbv m

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 57087

Ion Ratio Lower Upper

64 100

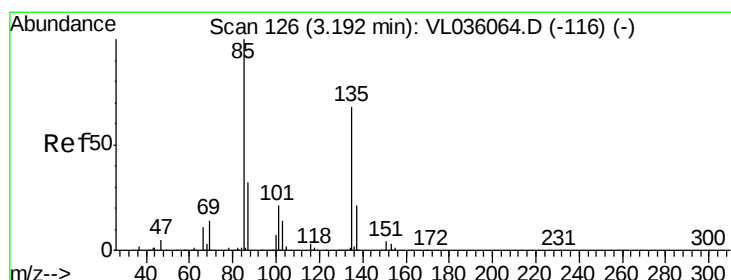
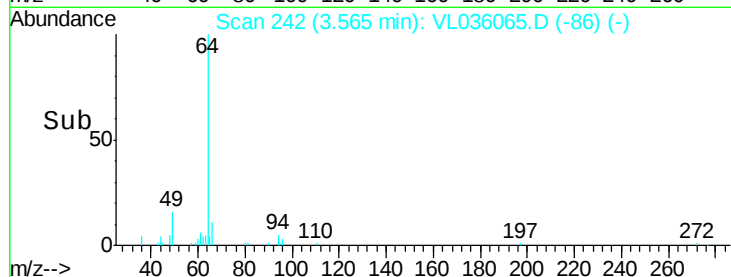
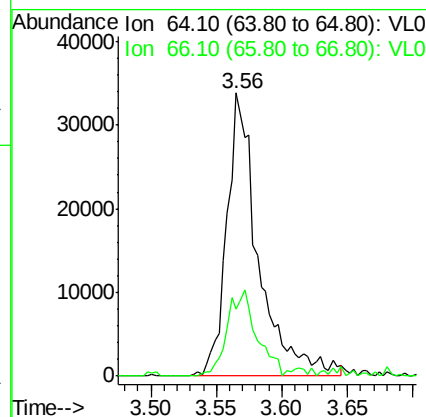
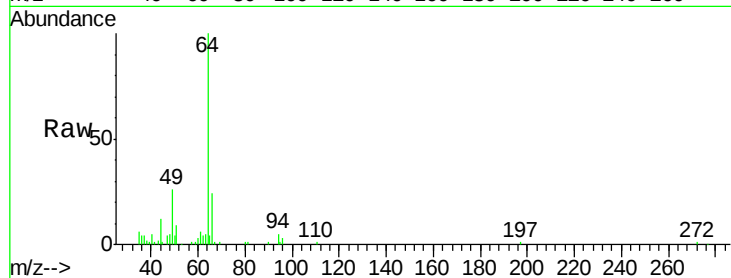
66 23.9 27.7 41.5#

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:53:10 AM



#8

Dichlorotetrafluoroethane

Concen: 1.249 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL036065.D

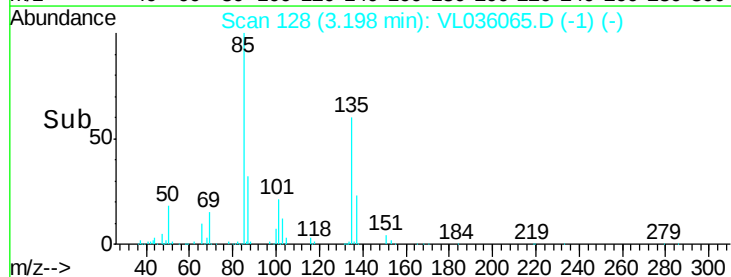
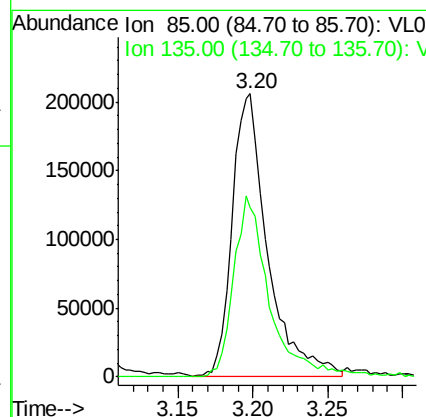
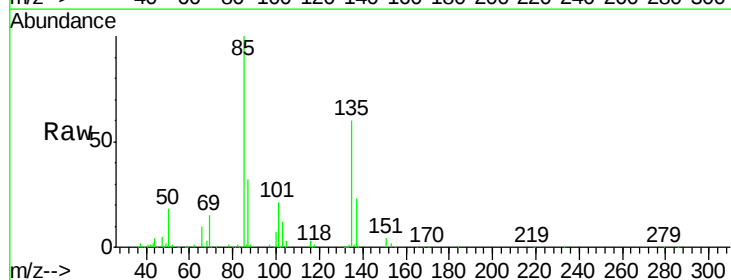
Acq: 7 Dec 2020 13:09

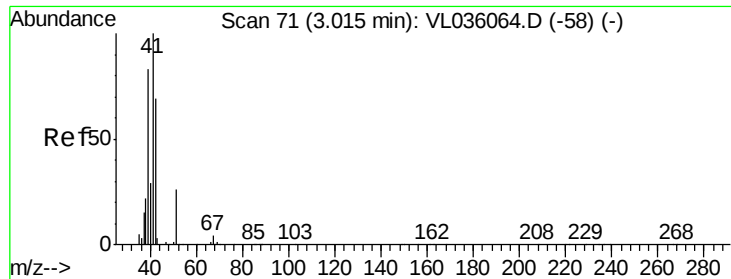
Tgt Ion: 85 Resp: 336855

Ion Ratio Lower Upper

85 100

135 66.2 53.8 80.8





#9

Propene

Concen: 2.709 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 146585

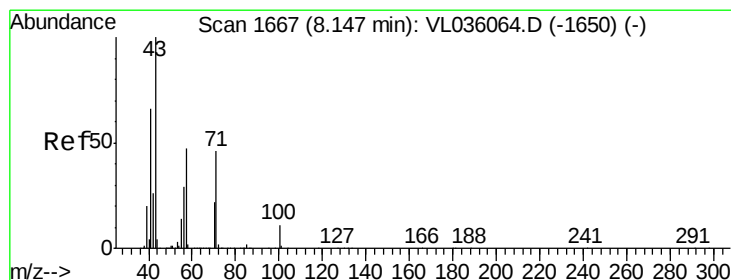
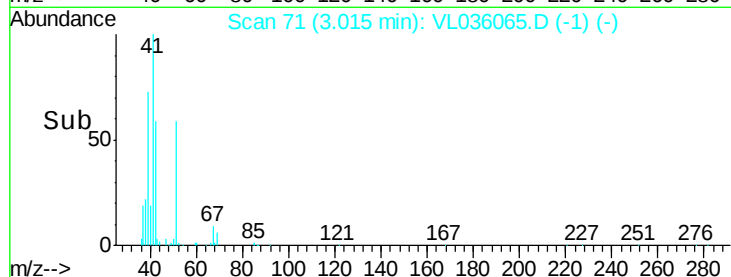
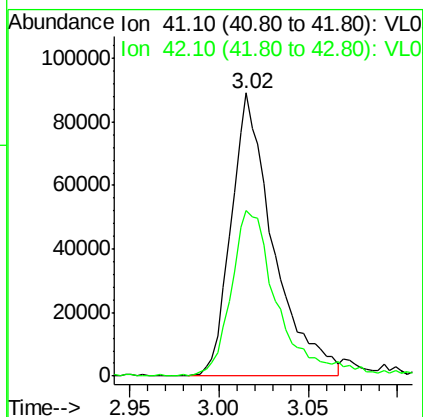
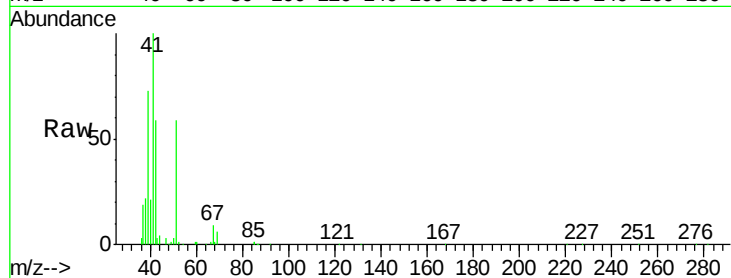
Ion Ratio Lower Upper

41 100

42 66.2 57.0 85.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#10

Heptane

Concen: 2.493 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VL036065.D

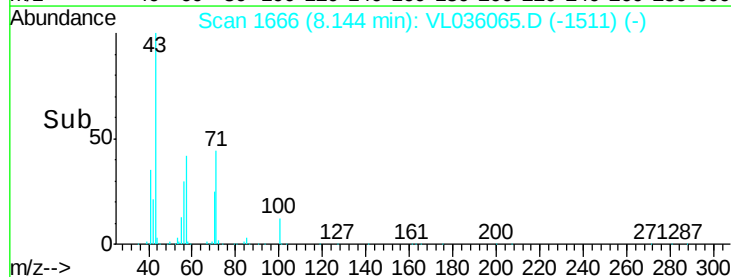
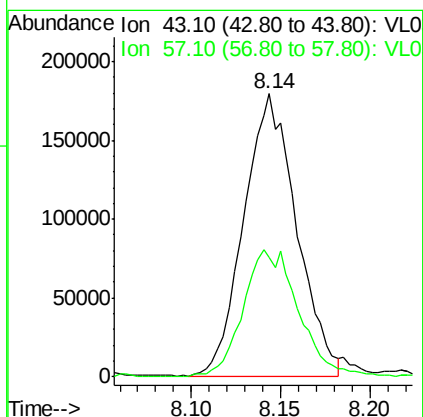
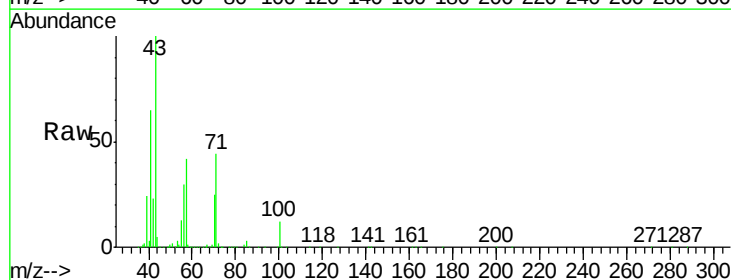
Acq: 7 Dec 2020 13:09

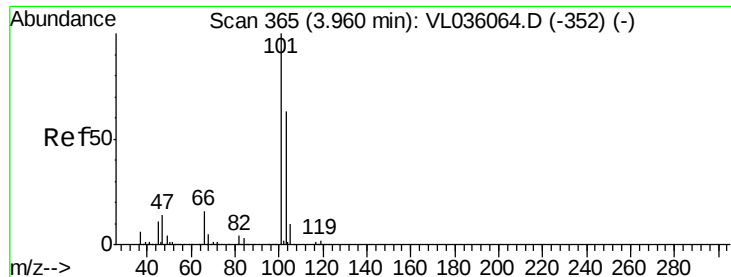
Tgt Ion: 43 Resp: 368099

Ion Ratio Lower Upper

43 100

57 48.6 37.9 56.9





#11

Trichlorofluoromethane

Concen: 1.140 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 353178

Ion Ratio Lower Upper

101 100

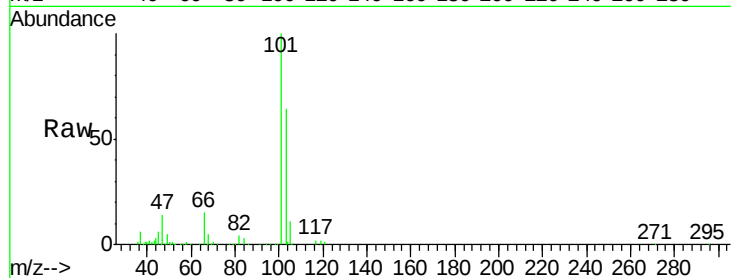
103 63.8 50.3 75.5

Manual Integrations

APPROVED

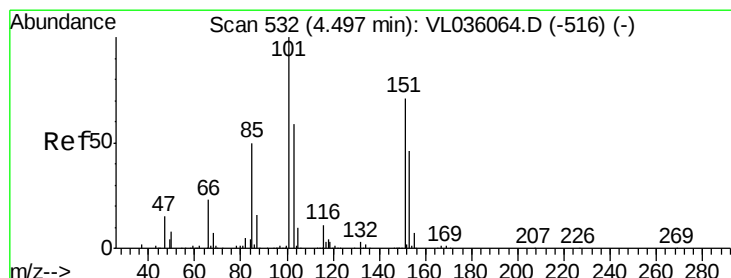
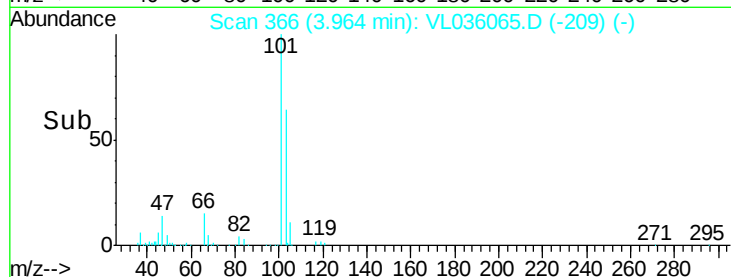
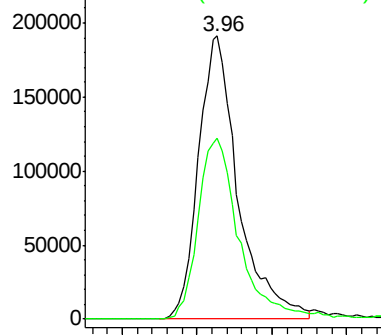
MMDadoda

12/10/2020 9:53:10 AM



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: 1.051 ppbv m

RT: 4.50 min Scan# 532

Delta R.T. 0.00 min

Lab File: VL036065.D

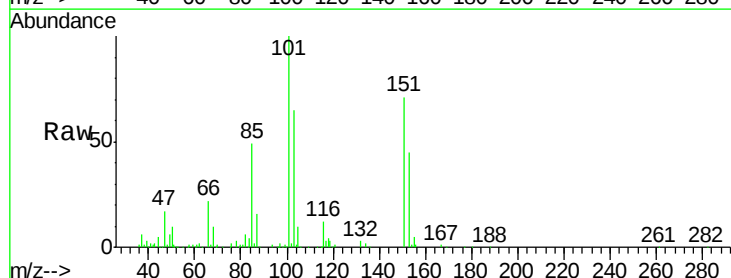
Acq: 7 Dec 2020 13:09

Tgt Ion:101 Resp: 245172

Ion Ratio Lower Upper

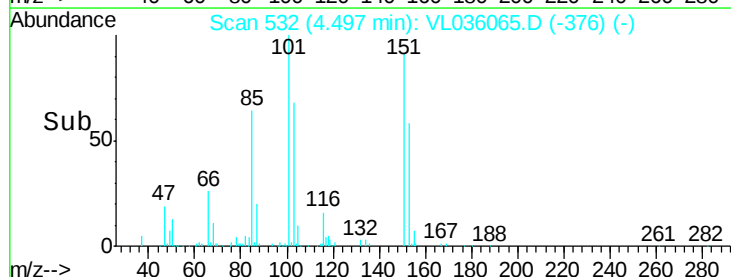
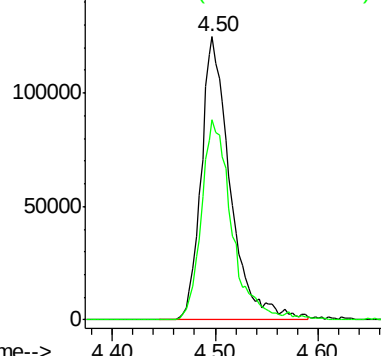
101 100

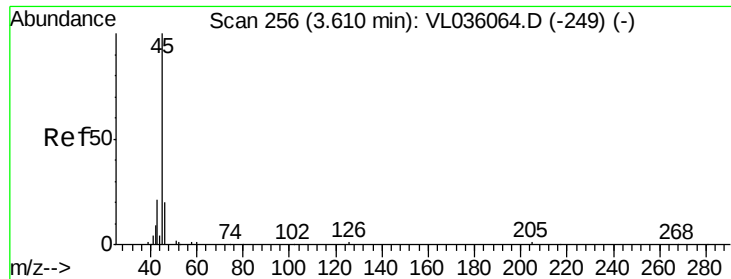
151 74.4 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





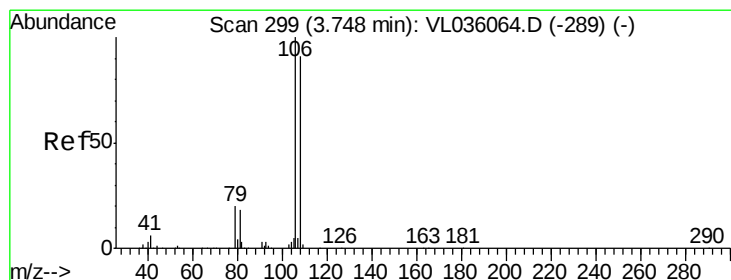
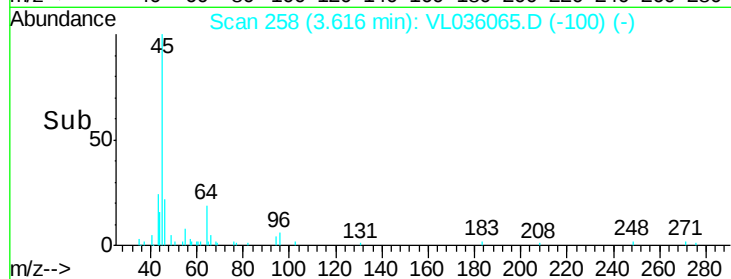
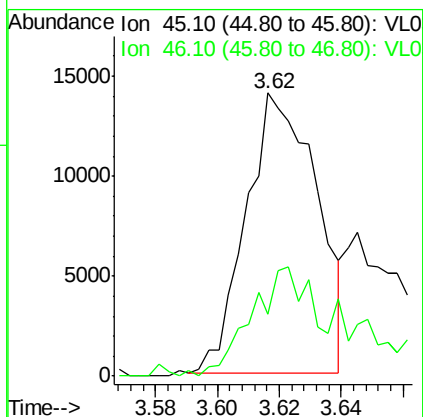
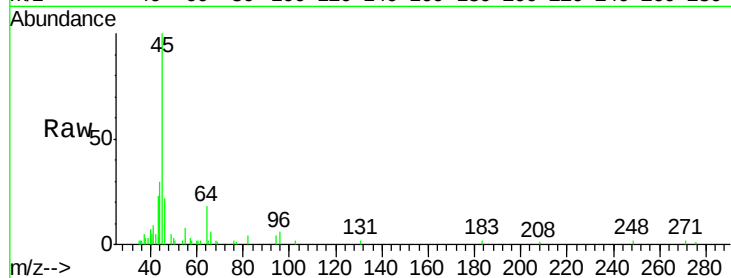
#13
Ethanol
Concen: 2.029 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 22206
Ion Ratio Lower Upper
45 100
46 51.5 19.0 75.8

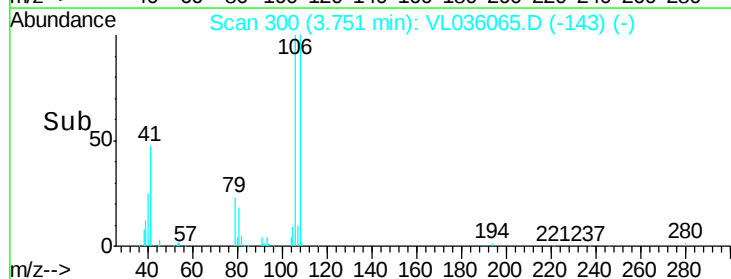
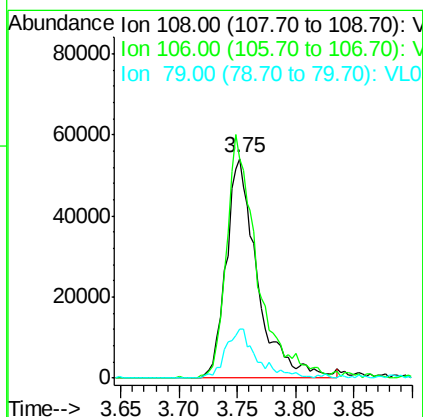
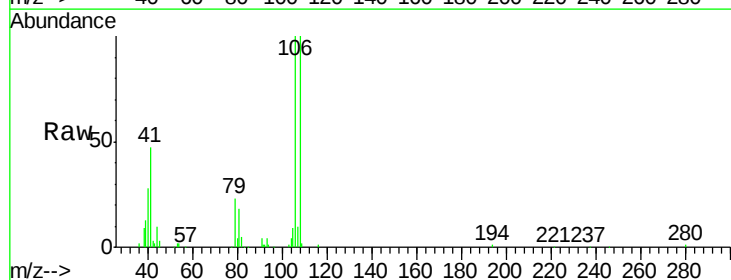
Manual Integrations
APPROVED

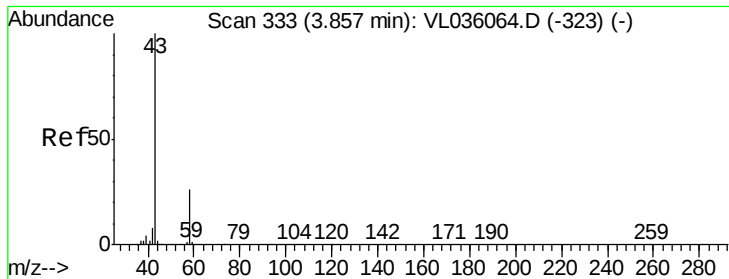
MMDadoda
12/10/2020 9:53:10 AM



#14
Bromoethene
Concen: 1.072 ppbv m
RT: 3.75 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion: 108 Resp: 101298
Ion Ratio Lower Upper
108 100
106 111.5 91.0 136.4
79 22.5 19.3 28.9





#15

Acetone

Concen: 2.423 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 330657

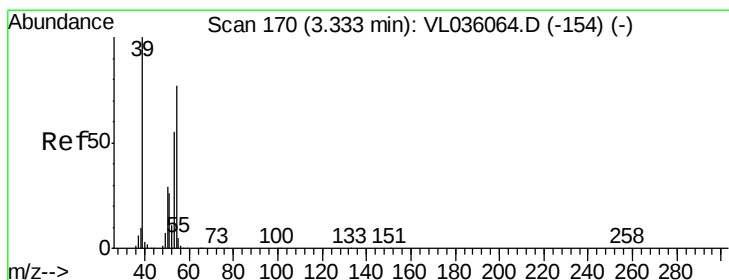
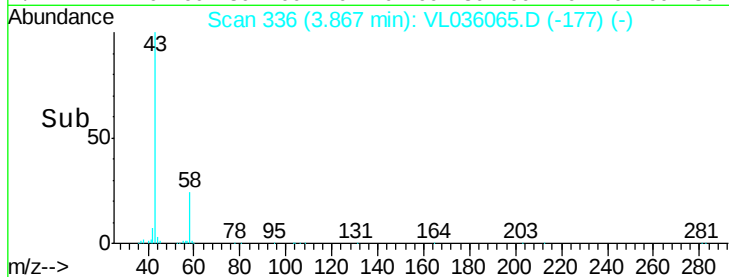
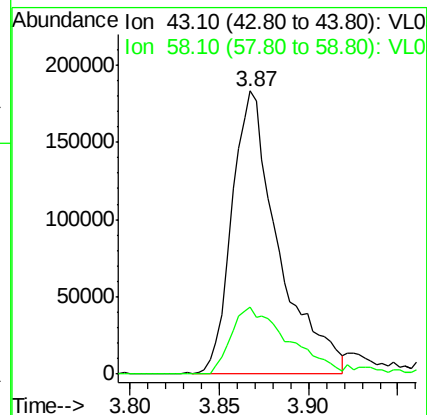
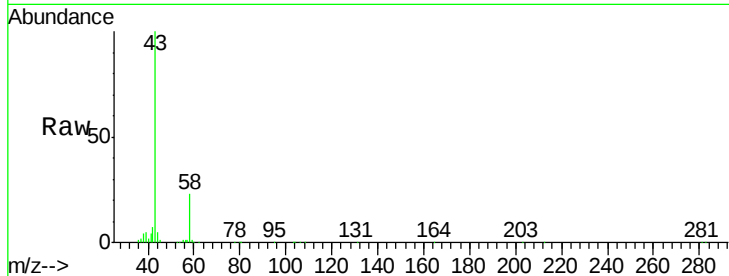
Ion Ratio Lower Upper

43 100

58 32.5 20.9 31.3#

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#16

1,3-Butadiene

Concen: 2.405 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL036065.D

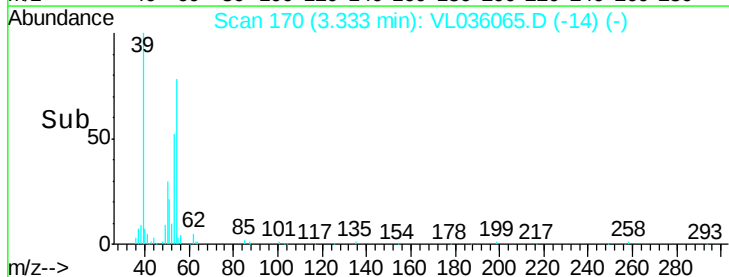
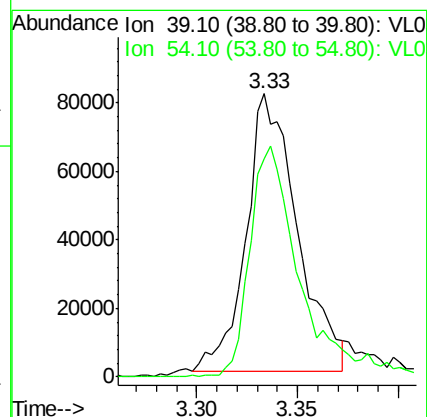
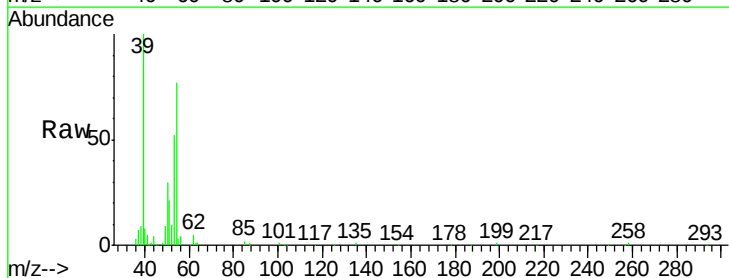
Acq: 7 Dec 2020 13:09

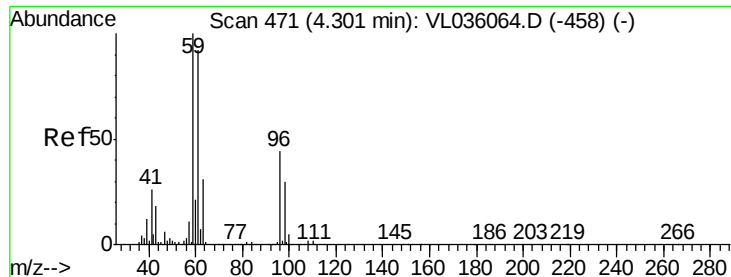
Tgt Ion: 39 Resp: 144229

Ion Ratio Lower Upper

39 100

54 83.2 62.1 93.1





#17

tert-Butyl alcohol

Concen: 1.824 ppbv m

RT: 4.31 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 59 Resp: 272841

Ion Ratio Lower Upper

59 100

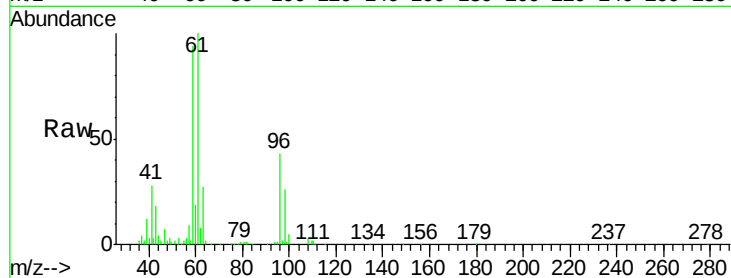
57 11.1 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:53:10 AM



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.31

120000

100000

80000

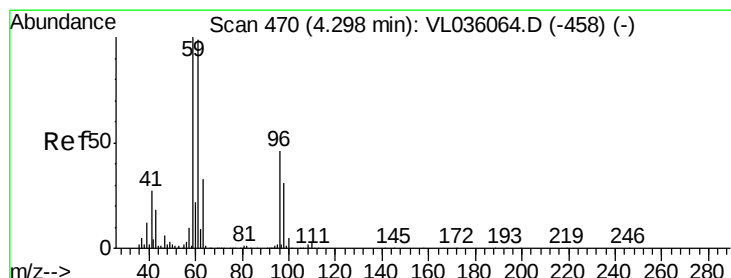
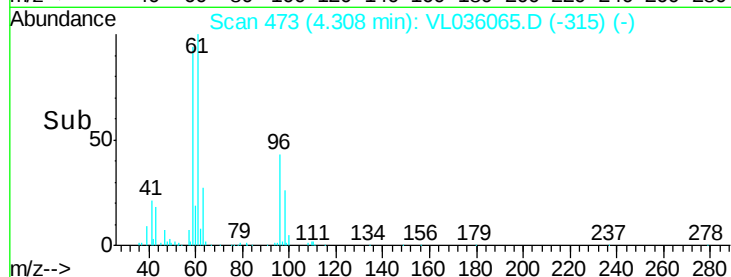
60000

40000

20000

0

Time-->



#18

1,1-Dichloroethene

Concen: 1.055 ppbv m

RT: 4.30 min Scan# 471

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

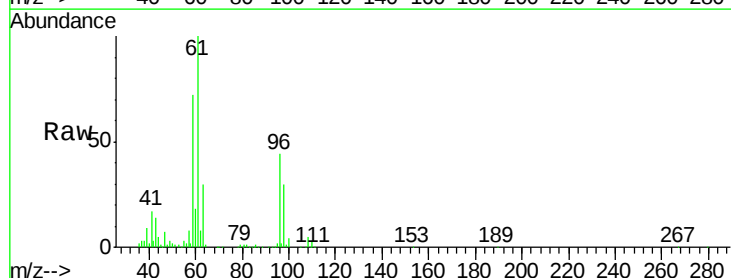
Tgt Ion: 96 Resp: 109088

Ion Ratio Lower Upper

96 100

61 226.1 171.4 257.2

98 68.7 54.2 81.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

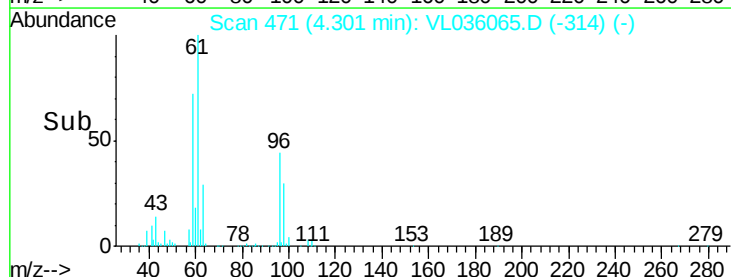
150000

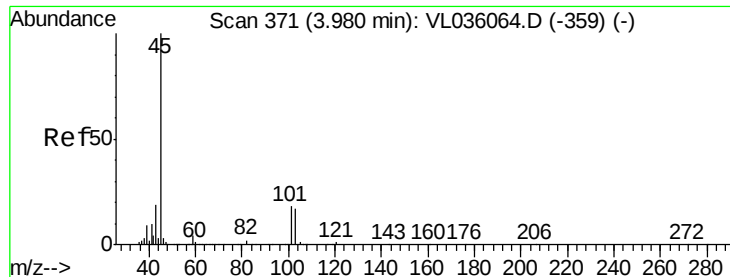
100000

50000

0

Time-->





#19

Isopropyl Alcohol

Concen: 2.434 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 178233

Ion Ratio Lower Upper

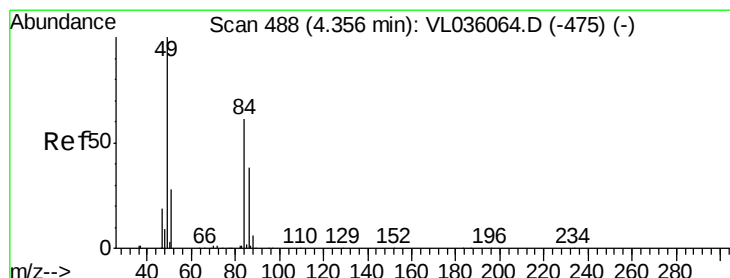
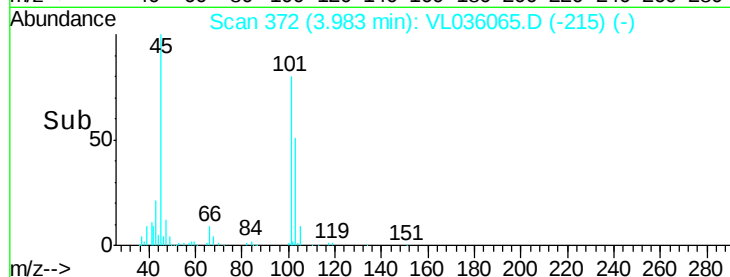
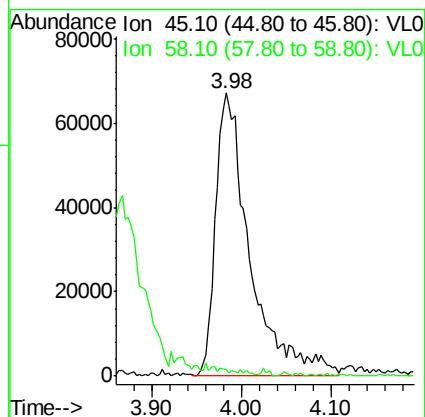
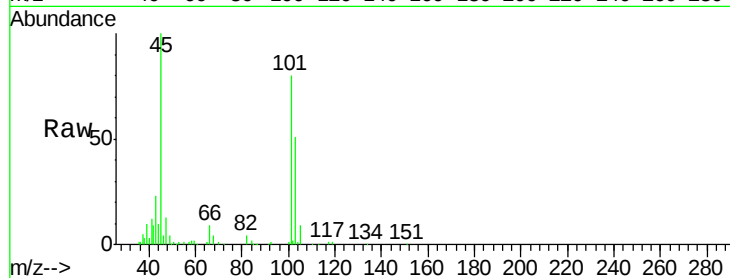
45 100

58 61.3 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

12/10/2020 9:53:10 AM



#20

Methylene Chloride

Concen: 1.121 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion: 84 Resp: 132405

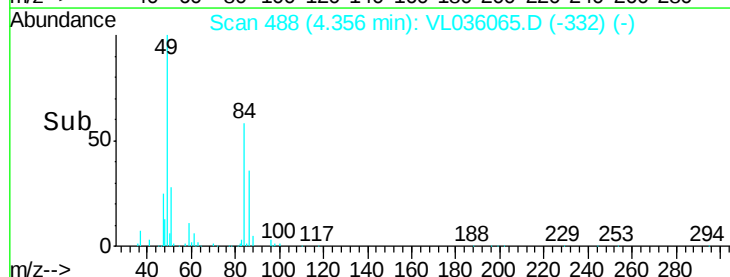
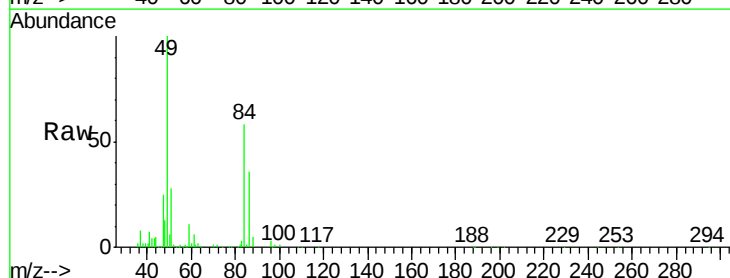
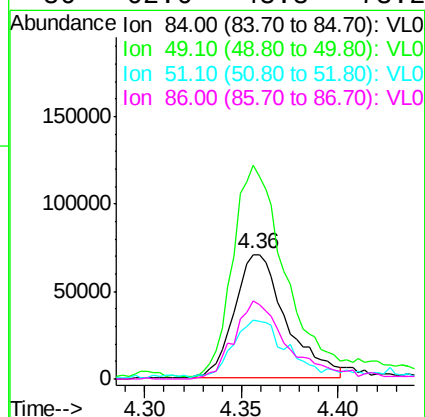
Ion Ratio Lower Upper

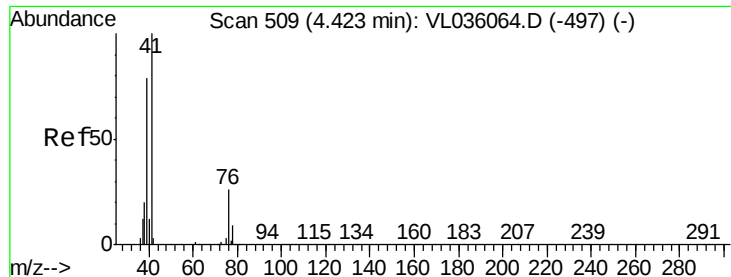
84 100

49 170.3 133.0 199.4

51 46.7 38.9 58.3

86 62.6 48.8 73.2





#21

Allvl Chloride

Concen: 2.679 ppbv

RT: 4.43 min Scan# 510

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

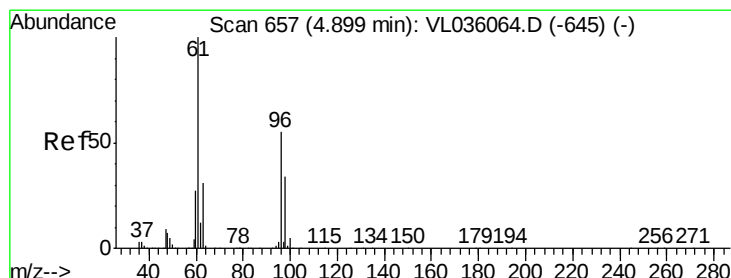
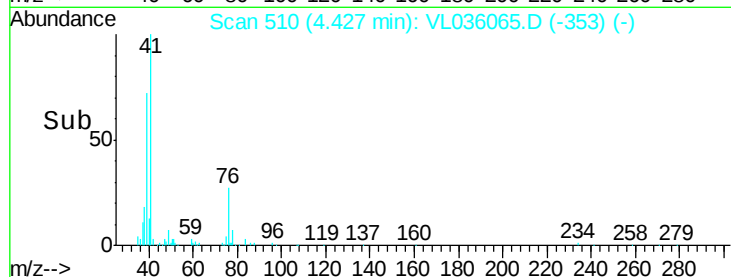
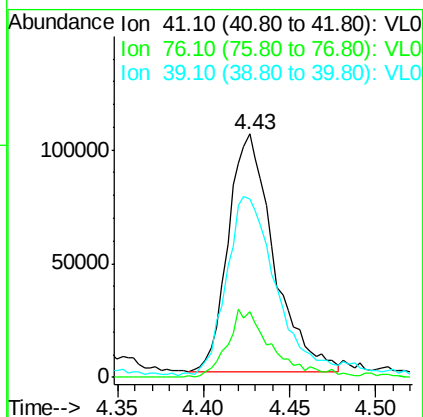
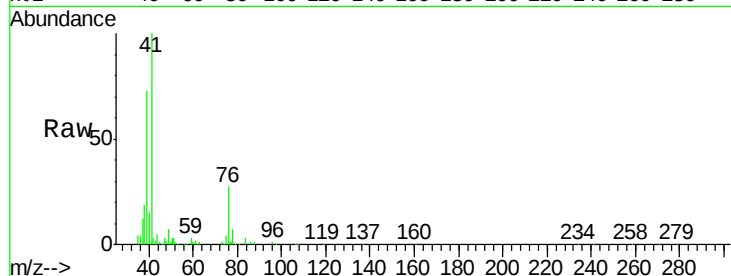
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	194848
Ion Ratio		Lower	Upper
41	100		
76	28.6	21.0	31.4
39	87.5	66.0	99.0

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#22

trans-1,2-Dichloroethene

Concen: 1.096 ppbv m

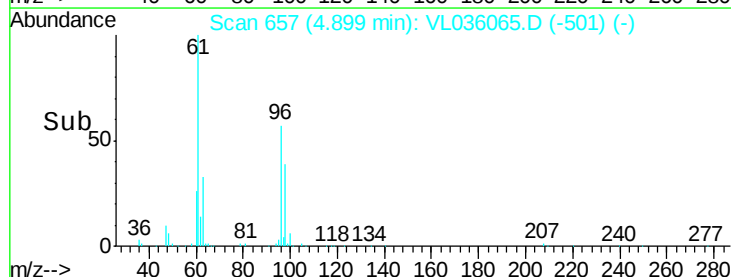
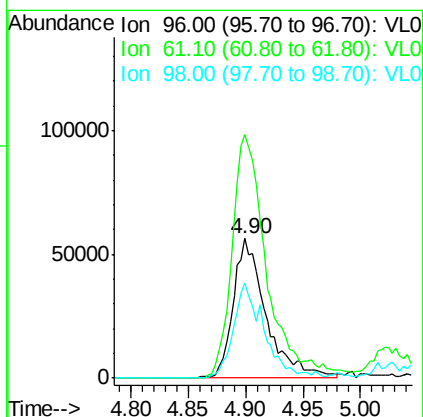
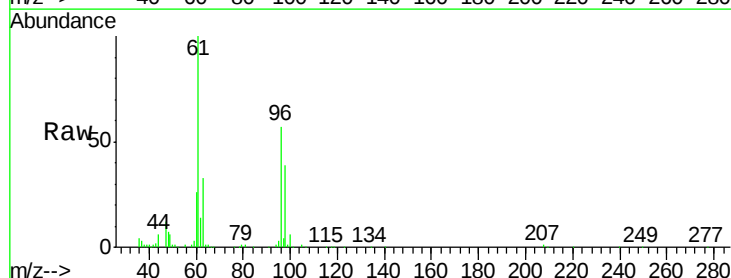
RT: 4.90 min Scan# 657

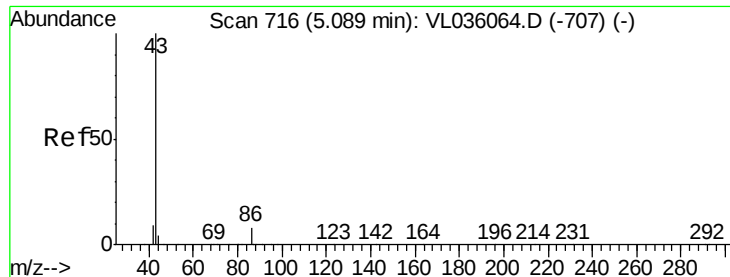
Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:	96	Resp:	112519
Ion Ratio		Lower	Upper
96	100		
61	174.3	145.7	218.5
98	68.3	49.2	73.8





#23

Vinyl Acetate

Concen: 2.662 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

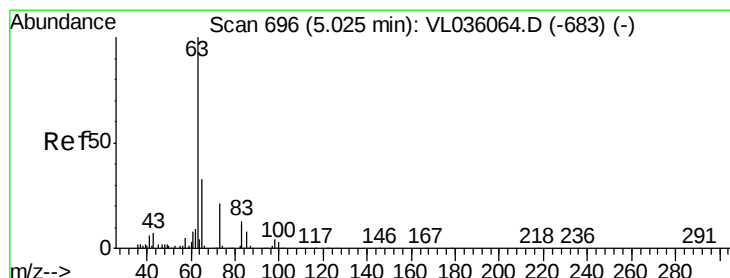
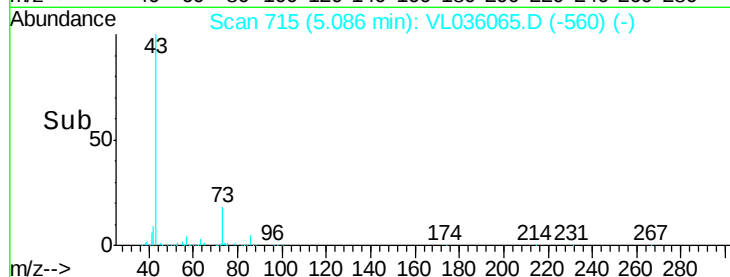
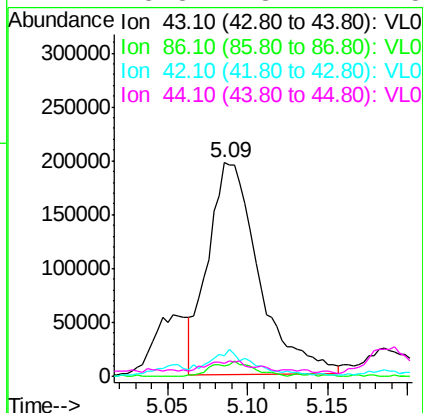
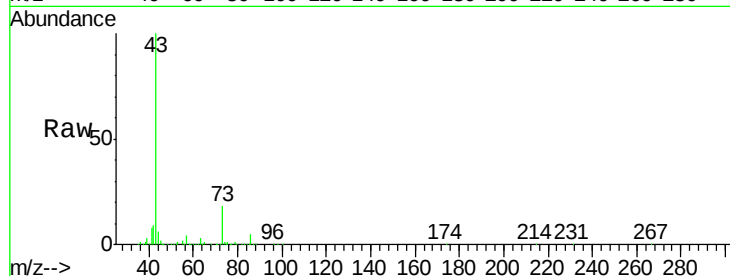
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		428976		
86	4.8		5.0	7.4#	
42	9.1		7.8	11.6	
44	5.3		3.2	4.8#	

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#24

1,1-Dichloroethane

Concen: 1.577 ppbv

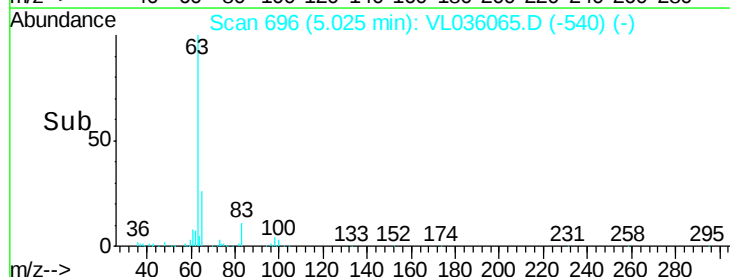
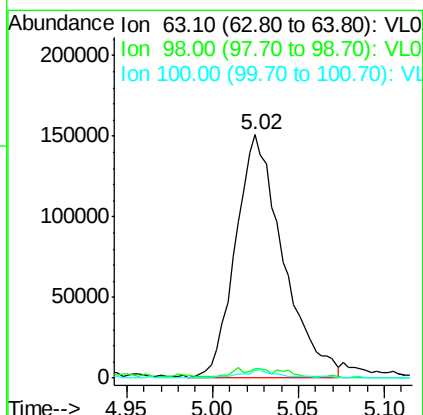
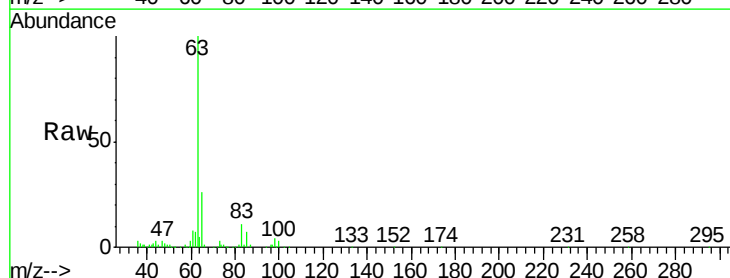
RT: 5.02 min Scan# 696

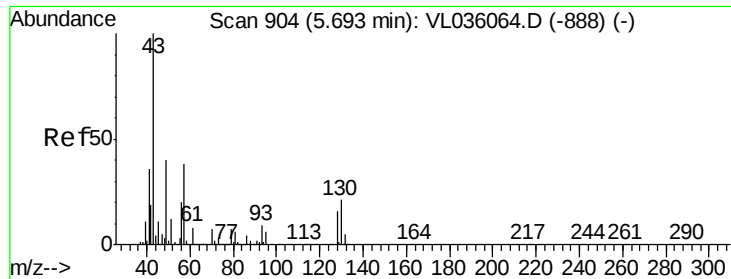
Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		290382		
98	3.5		2.2	6.6	
100	3.3		1.5	4.4	





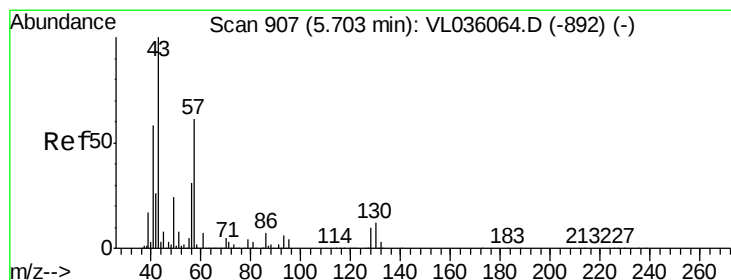
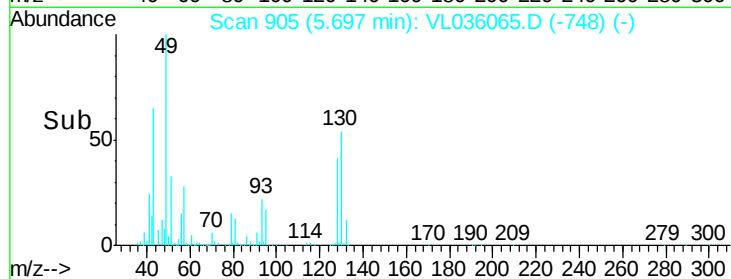
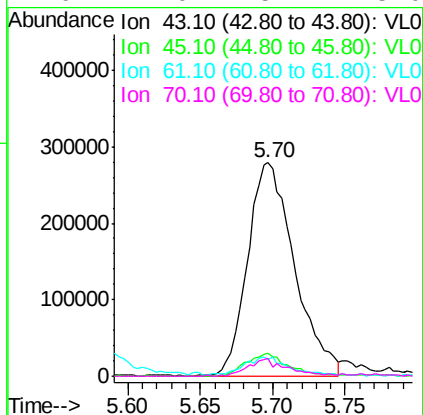
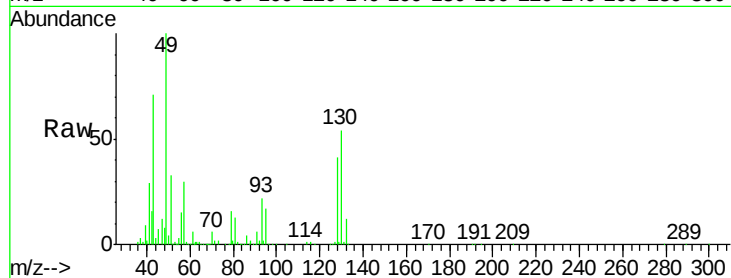
#25
Ethyl Acetate
Concen: 2.291 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.0	8.2	12.4		
61	8.5	7.4	11.2		
70	7.0	5.4	8.0		

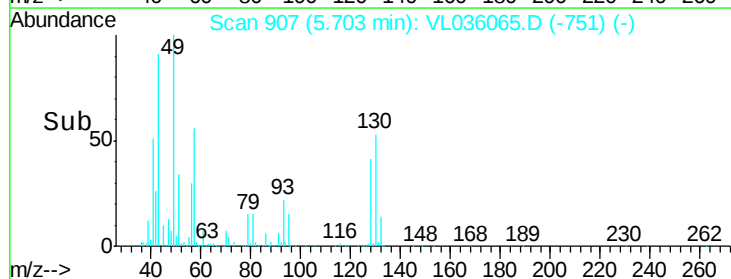
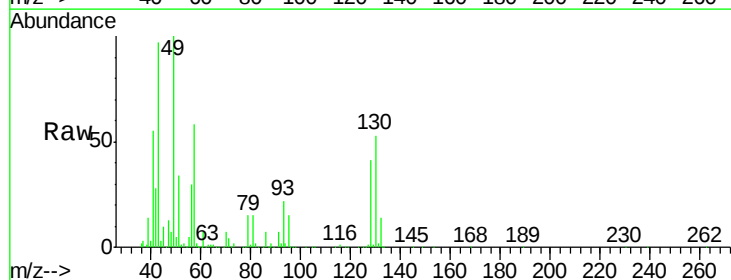
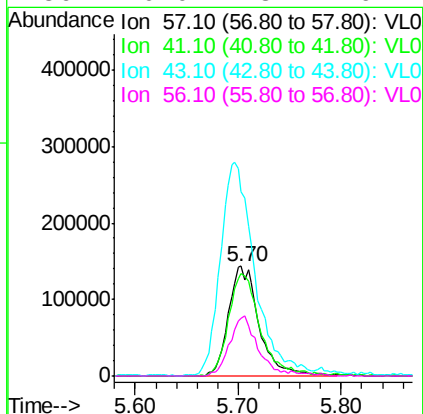
Manual Integrations
APPROVED

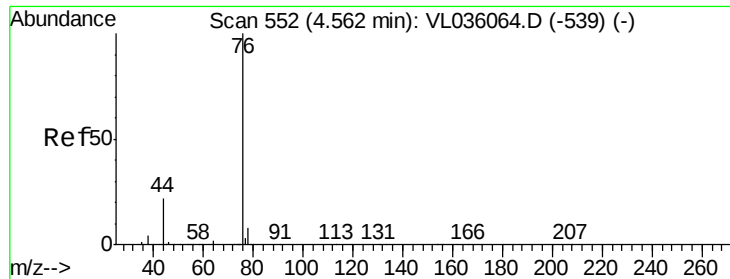
MMDadoda
12/10/2020 9:53:10 AM



#26
Hexane
Concen: 2.047 ppbv m
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	99.3	82.9	124.3		
43	220.5	199.9	299.9		
56	0.0	43.1	64.7#		





#27

Carbon Disulfide

Concen: 1.346 ppbv m

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

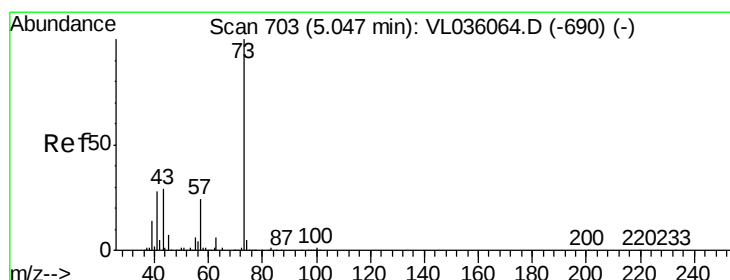
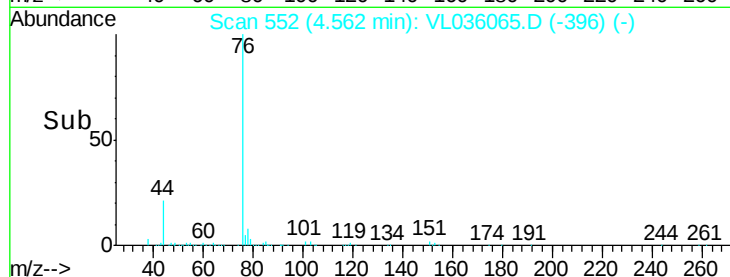
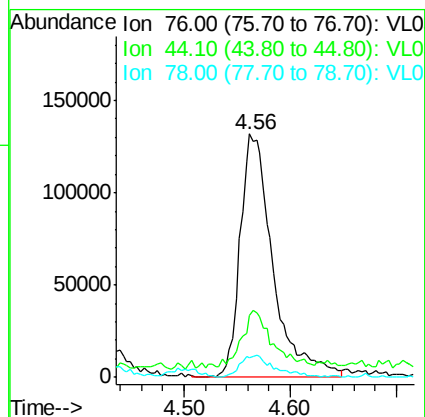
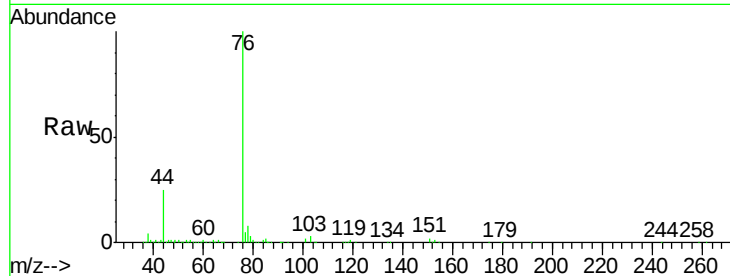
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	285666
Ion	Ratio	Lower	Upper
76	100		
44	23.8	17.9	26.9
78	9.9	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#28

Methyl tert-Butyl Ether

Concen: 1.872 ppbv m

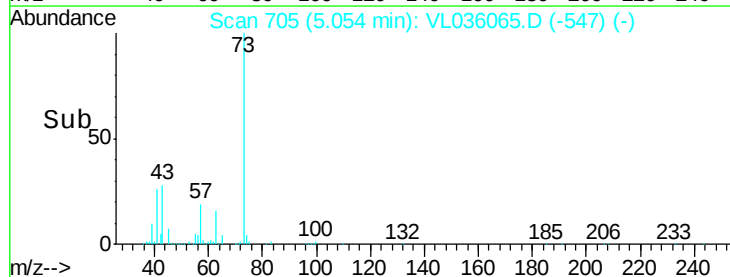
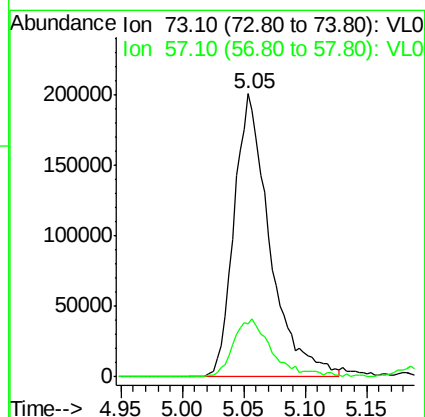
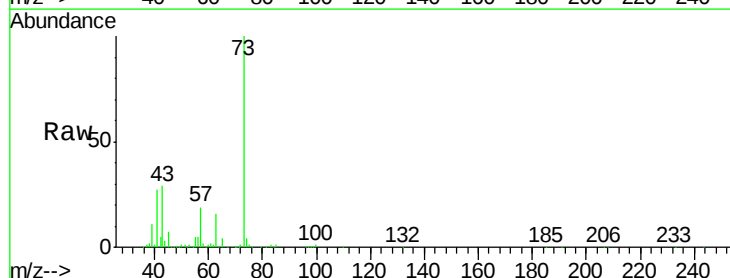
RT: 5.05 min Scan# 705

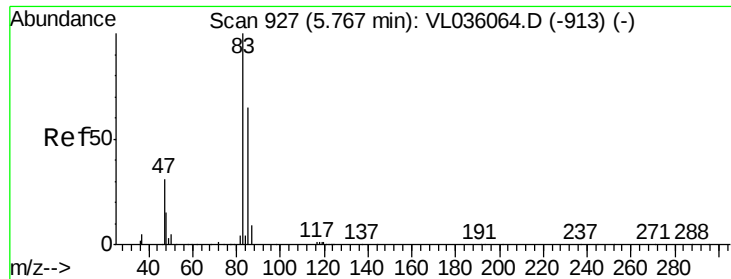
Delta R.T. 0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:	73	Resp:	406723
Ion	Ratio	Lower	Upper
73	100		
57	22.0	19.2	28.8





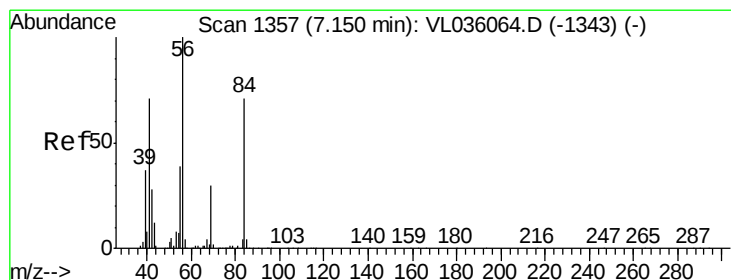
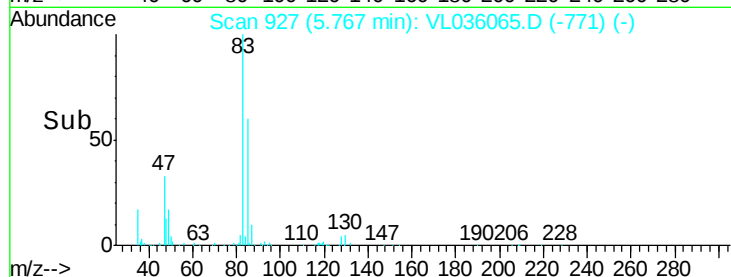
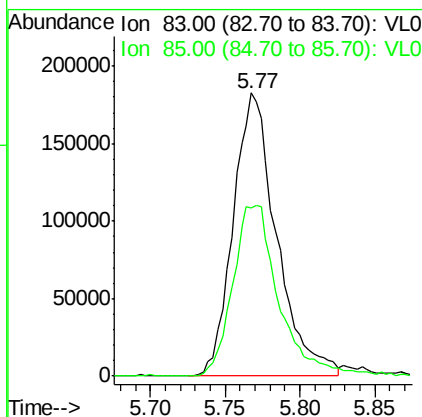
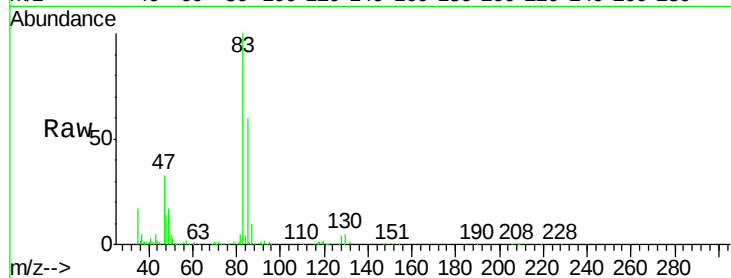
#29
Chloroform
Concen: 1.341 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.8	77.6

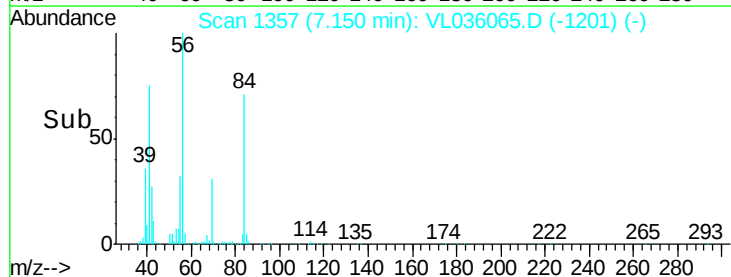
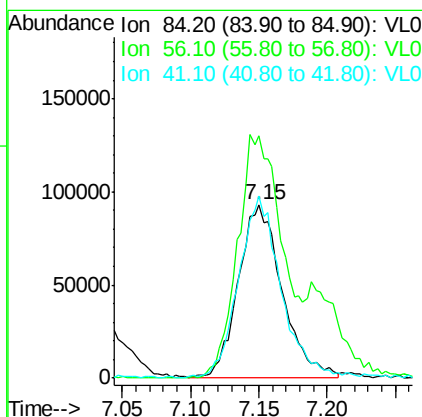
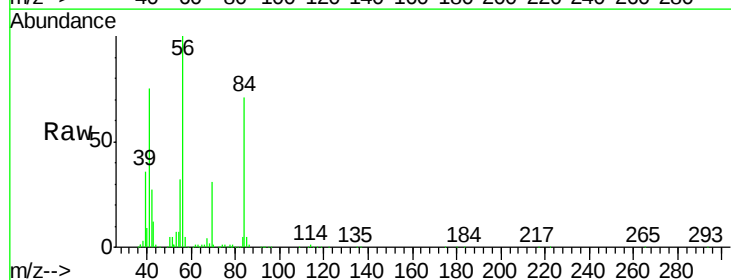
Manual Integrations
APPROVED

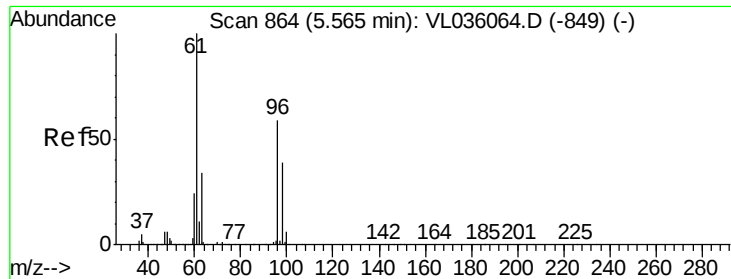
MMDadoda
12/10/2020 9:53:10 AM



#30
Cyclohexane
Concen: 1.491 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
84	100		
56	190.6	128.0	192.0
41	105.7	81.3	121.9





#31

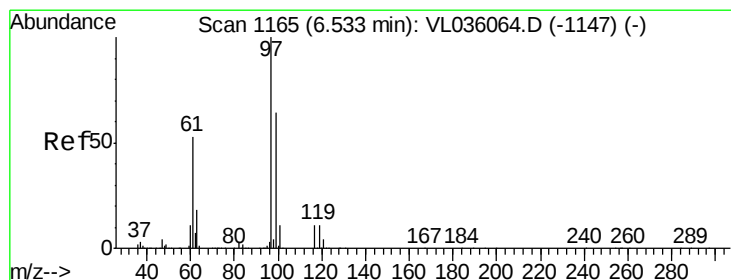
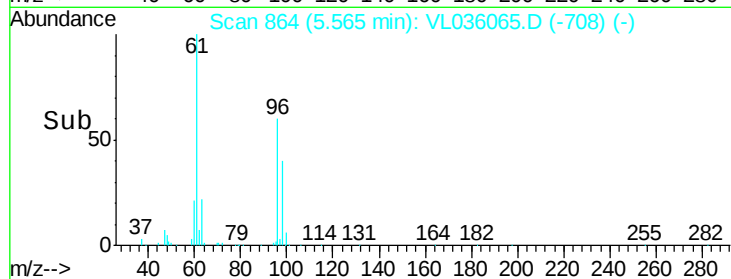
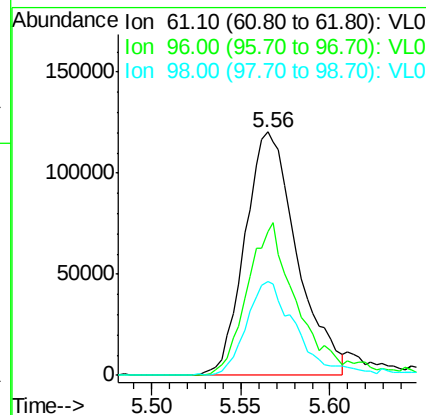
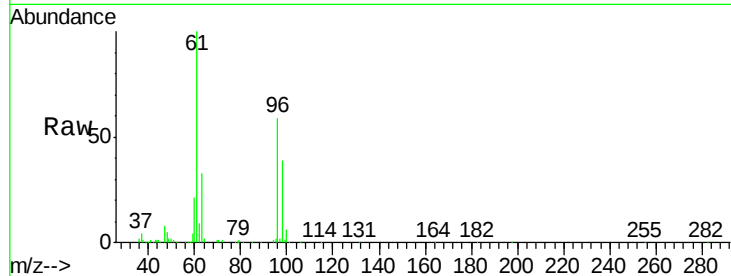
cis-1,2-Dichloroethene
Concen: 1.830 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.8	47.3	70.9
98	38.8	31.4	47.0

Manual Integrations
APPROVED

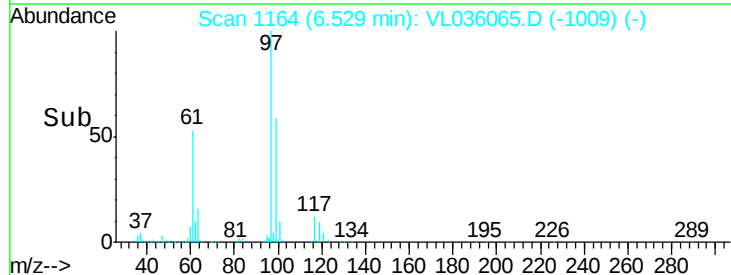
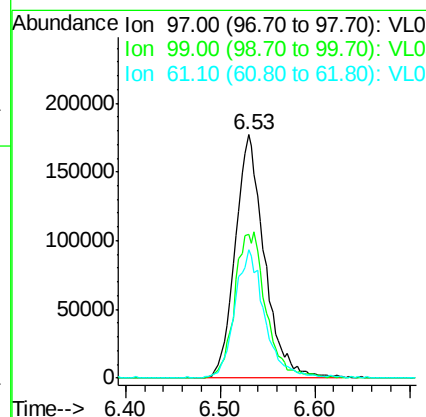
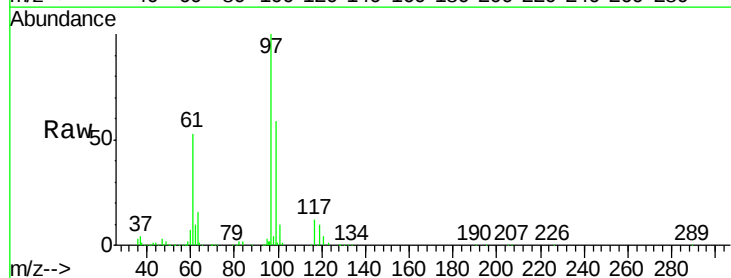
MMDadoda
12/10/2020 9:53:10 AM

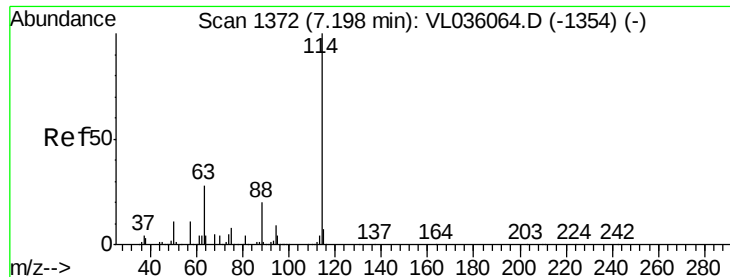


#32

1,1,1-Trichloroethane
Concen: 1.508 ppbv m
RT: 6.53 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	54.1	43.4	65.0





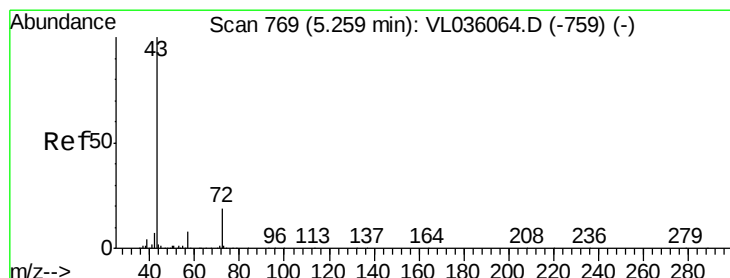
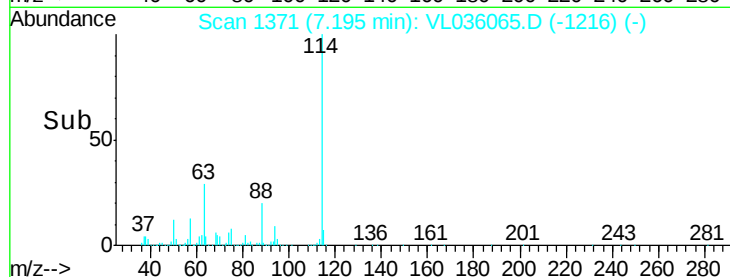
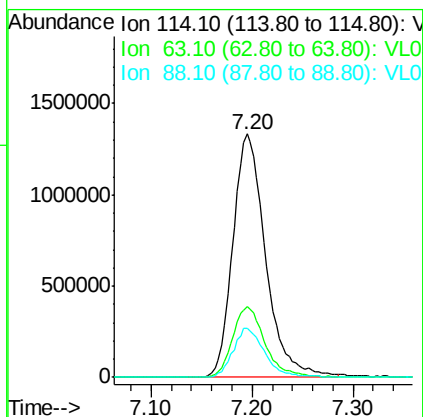
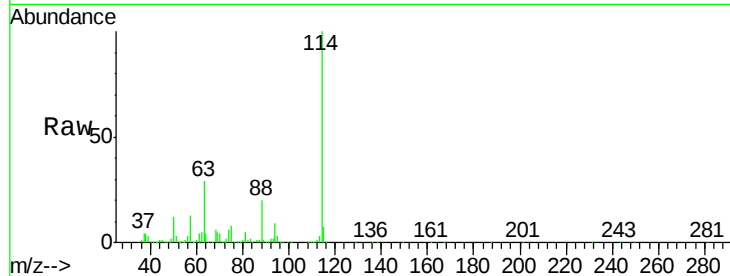
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	23.6	35.4
88	19.8	15.8	23.6

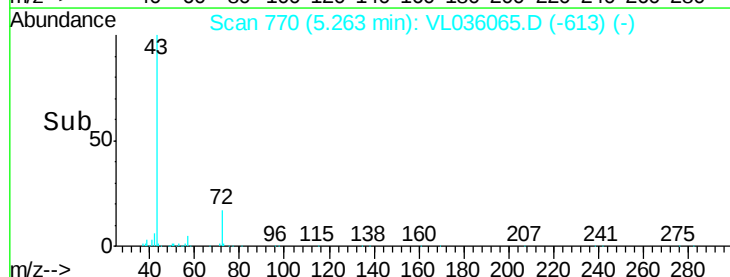
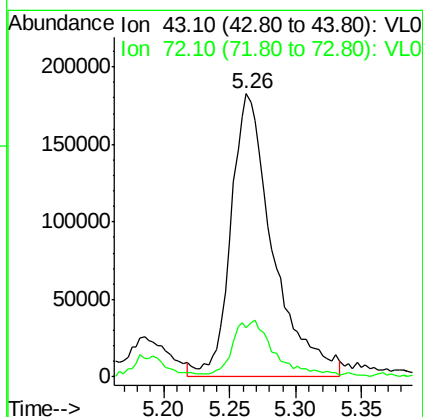
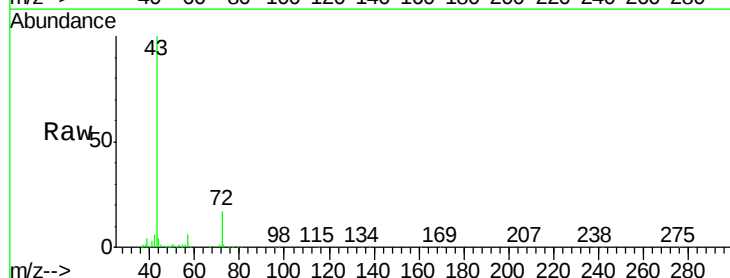
Manual Integrations
 APPROVED

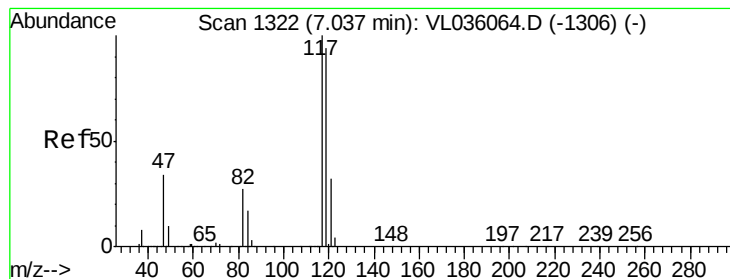
MMDadoda
 12/10/2020 9:53:10 AM



#34
 2-Butanone
 Concen: 3.921 ppbv m
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	16.5	24.7





#35

Carbon Tetrachloride

Concen: 2.247 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

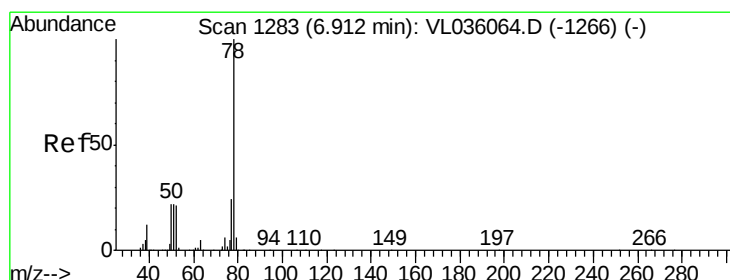
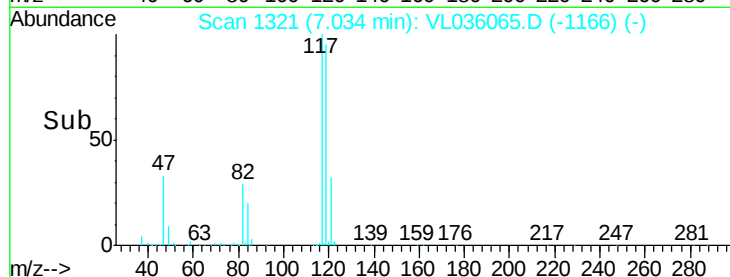
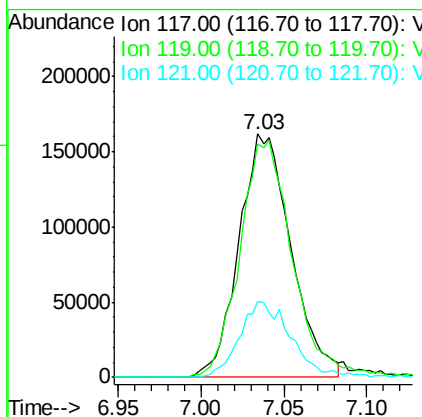
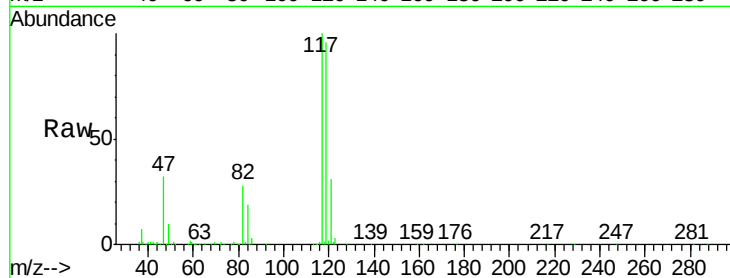
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	352995
Ion Ratio	Lower	Upper	
117	100		
119	95.8	75.1	112.7
121	30.9	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#36

Benzene

Concen: 2.415 ppbv

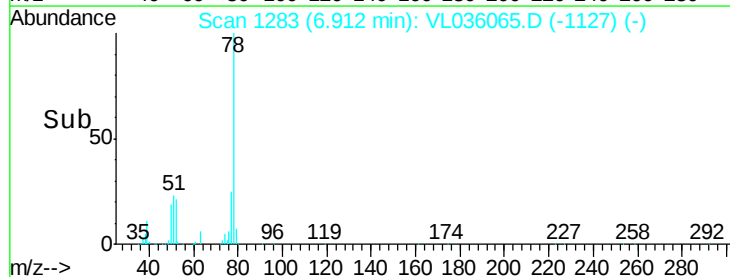
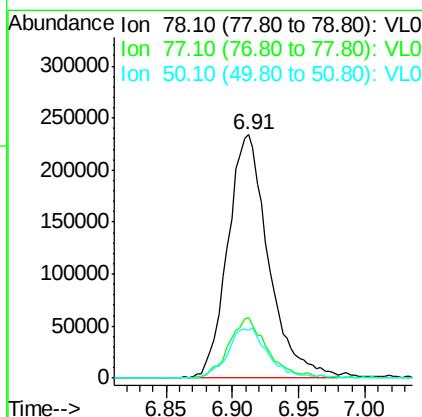
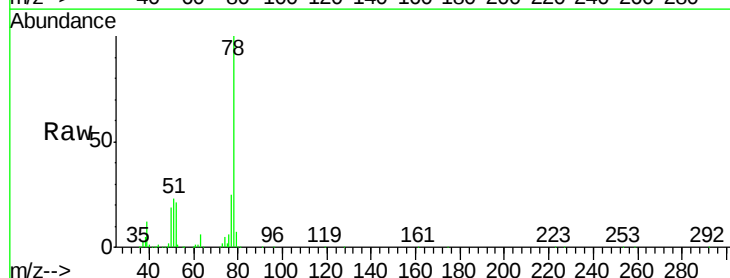
RT: 6.91 min Scan# 1283

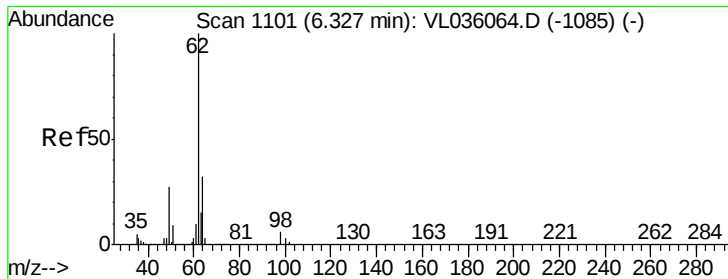
Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:	78	Resp:	496272
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.4	29.2
50	19.5	17.8	26.8





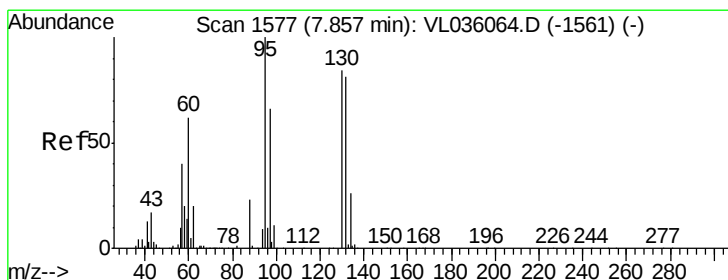
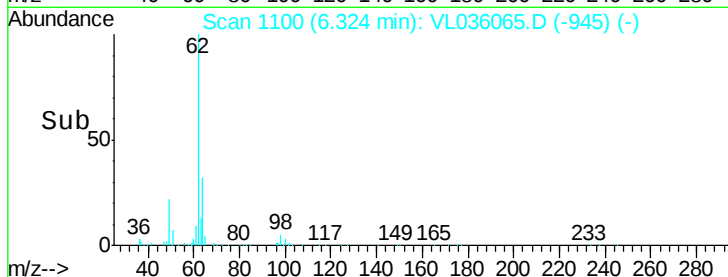
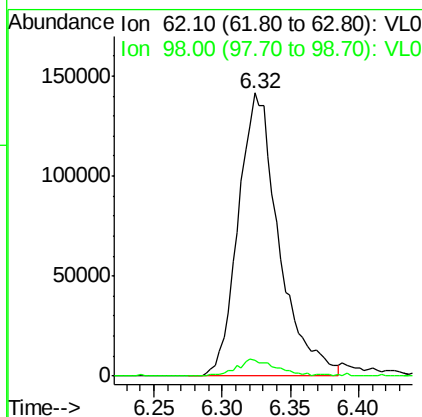
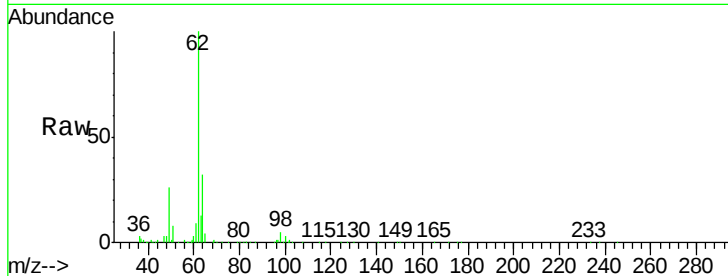
#37
 1,2-Dichloroethane
 Concen: 2.743 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	292381		
98	6.2	4.6	7.0	

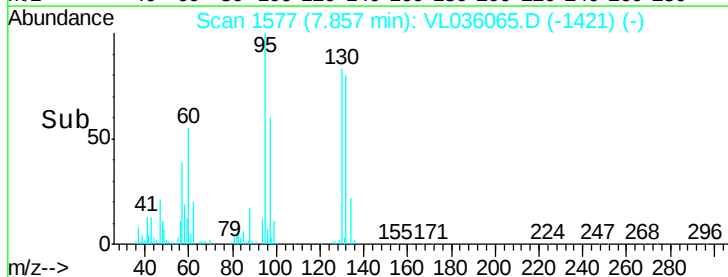
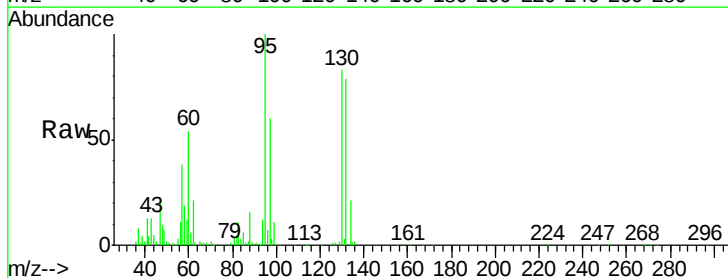
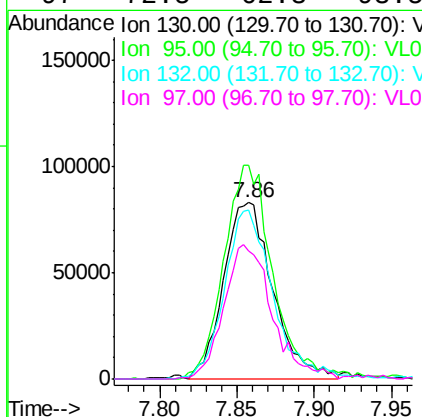
Manual Integrations
 APPROVED

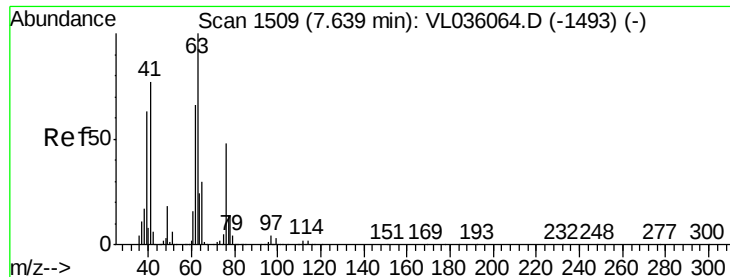
MMDadoda
 12/10/2020 9:53:10 AM



#38
 Trichloroethene
 Concen: 2.005 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	184337		
95	117.8	95.2	142.8	
132	94.2	76.9	115.3	
97	72.5	62.3	93.5	





#39

1,2-Dichloropropane

Concen: 2.571 ppbv m

RT: 7.63 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

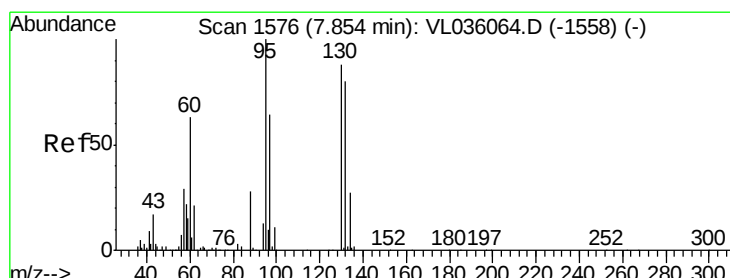
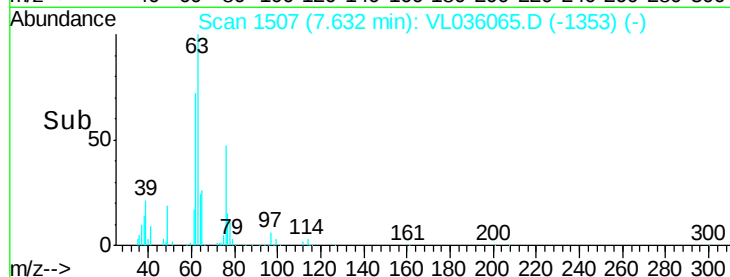
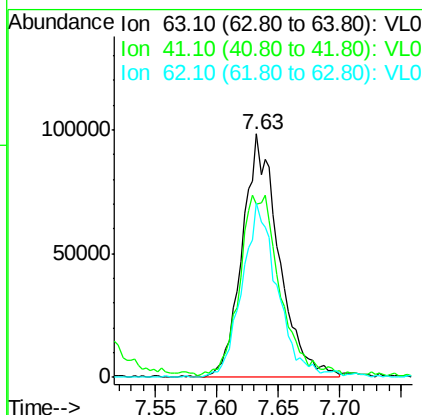
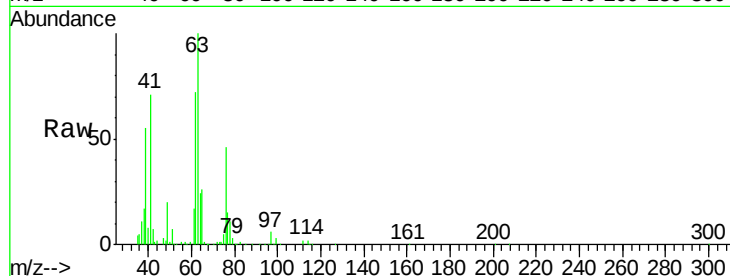
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	202419
Ion Ratio	Lower	Upper	
63	100		
41	71.3	61.9	92.9
62	71.5	52.5	78.7

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#40

1,4-Dioxane

Concen: 2.298 ppbv m

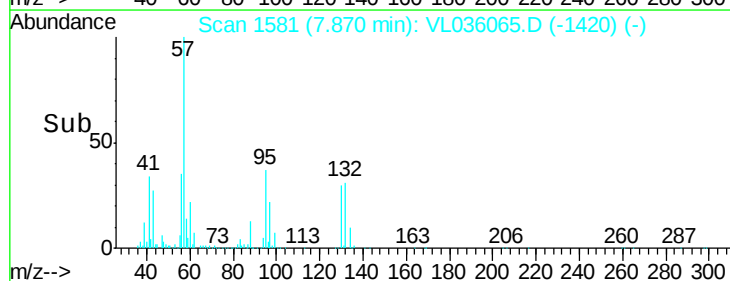
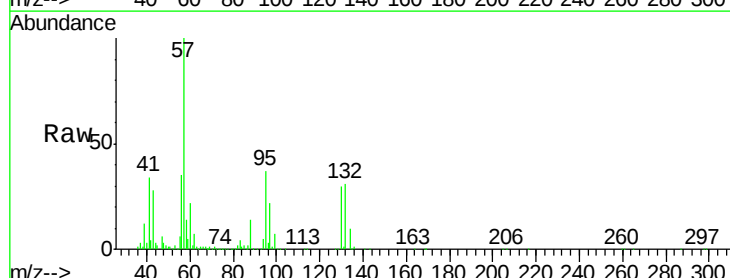
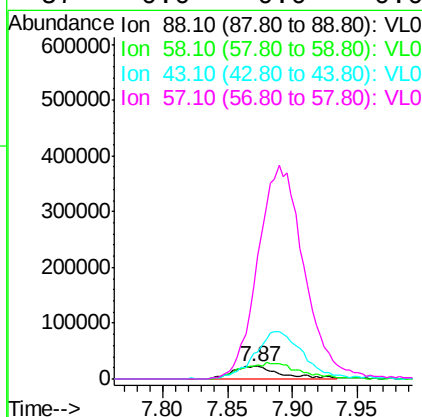
RT: 7.87 min Scan# 1581

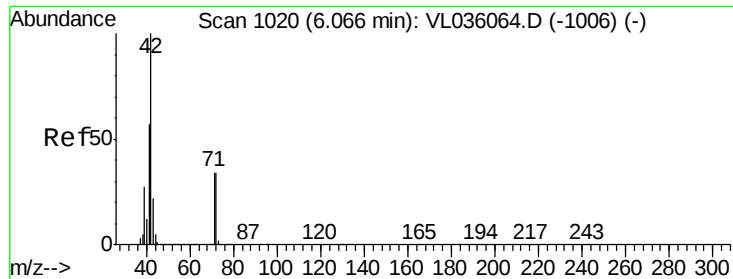
Delta R.T. 0.02 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:	88	Resp:	60320
Ion Ratio	Lower	Upper	
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 4.425 ppbv m

RT: 6.08 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

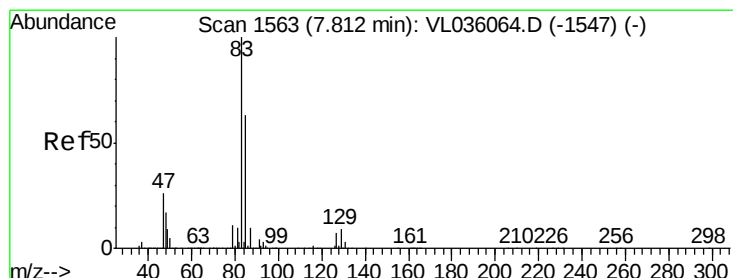
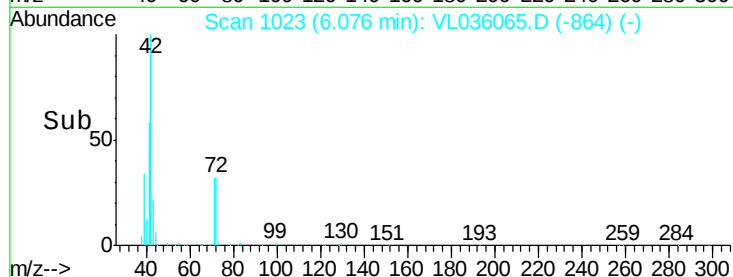
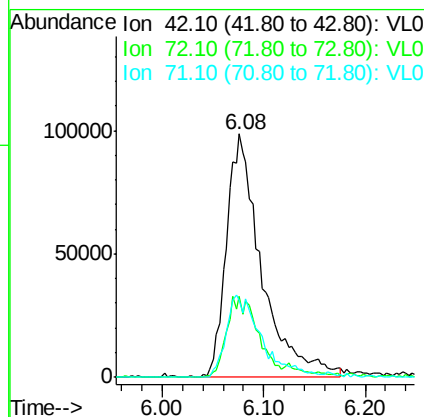
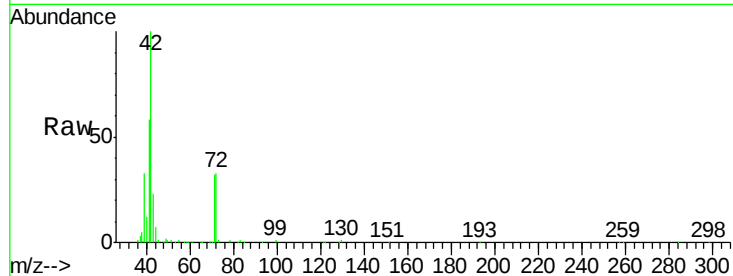
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	237910
Ion	Ratio	Lower	Upper
42	100		
72	33.6	28.3	42.5
71	35.1	27.3	40.9

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#42

Bromodichloromethane

Concen: 2.343 ppbv

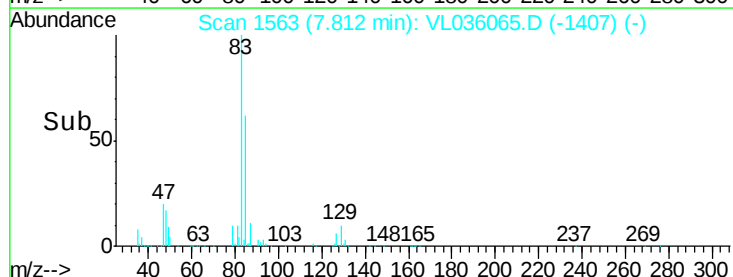
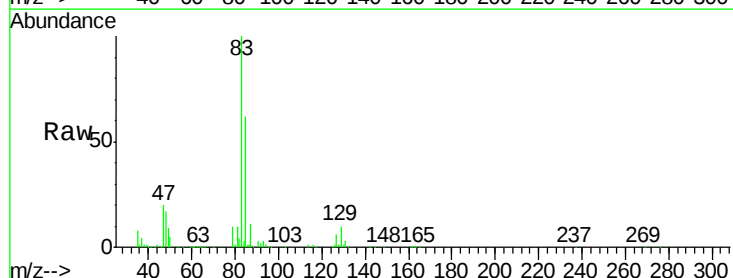
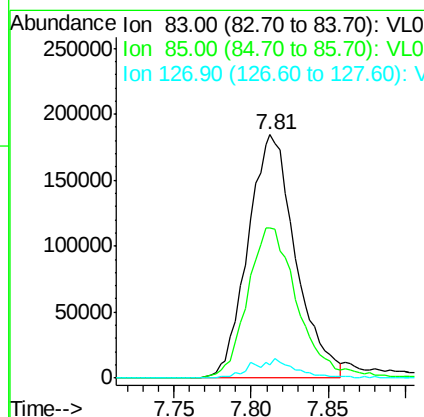
RT: 7.81 min Scan# 1563

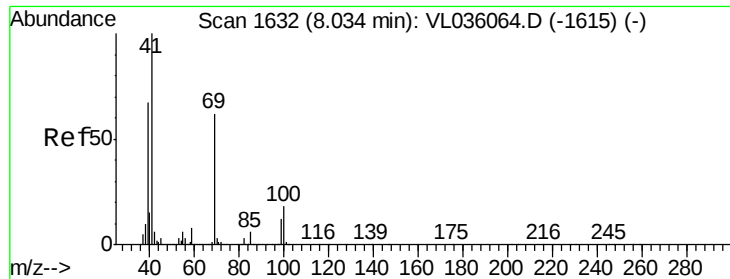
Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:	83	Resp:	395010
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.2	75.2
127	5.6	5.5	8.3





#43

Methyl Methacrylate

Concen: 2.887 ppbv

RT: 8.04 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

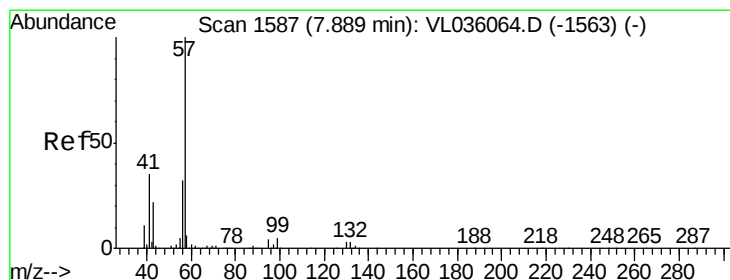
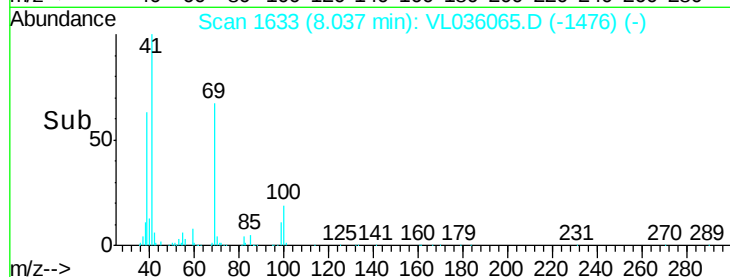
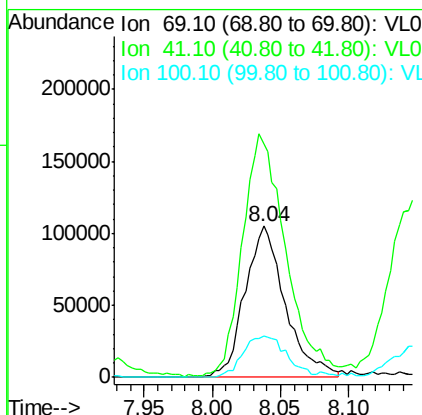
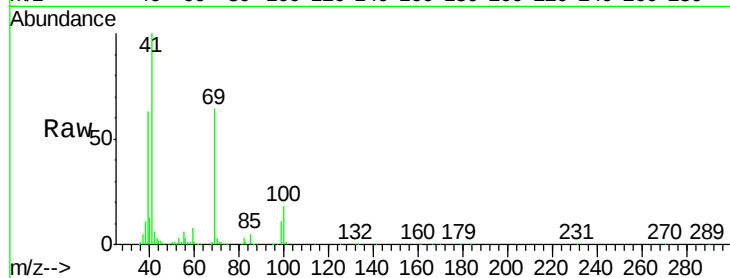
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	173.5	133.0	199.6	
100	30.9	25.4	38.0	

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#44

2,2,4-Trimethylpentane

Concen: 3.111 ppbv

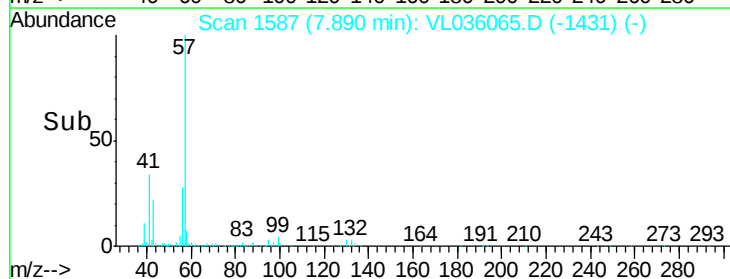
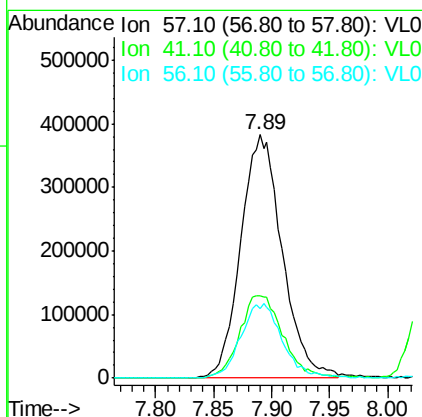
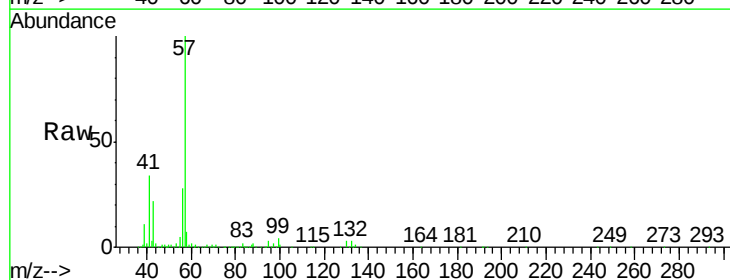
RT: 7.89 min Scan# 1587

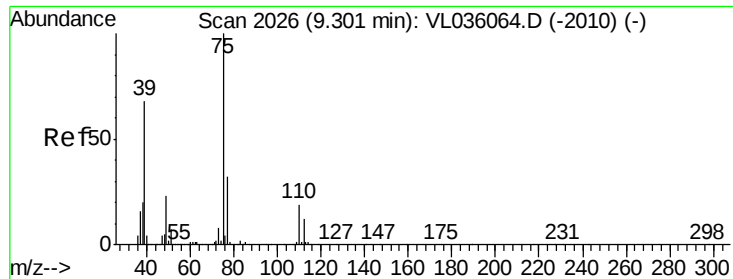
Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.6	28.9	43.3	
56	31.2	25.3	37.9	





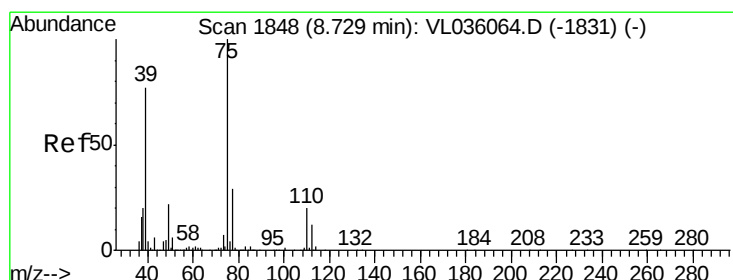
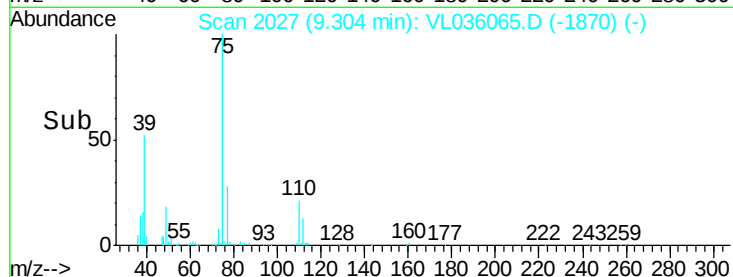
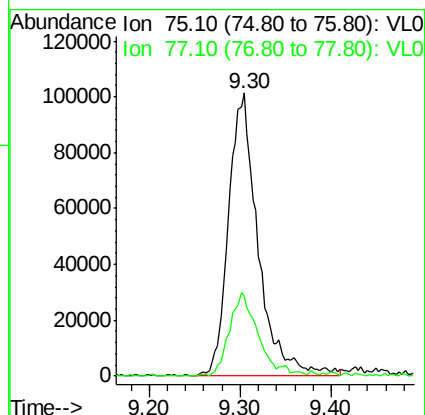
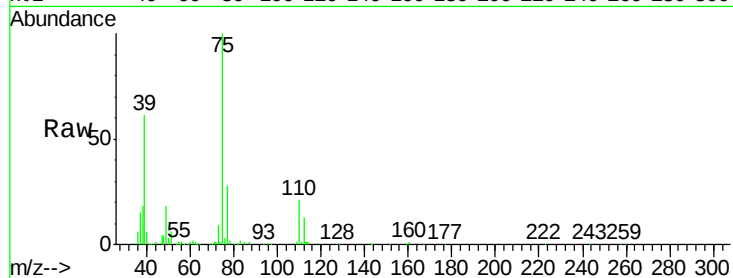
#45
t-1,3-Dichloropropene
Concen: 3.247 ppbv m
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 229749
Ion Ratio Lower Upper
75 100
77 28.0 26.0 39.0

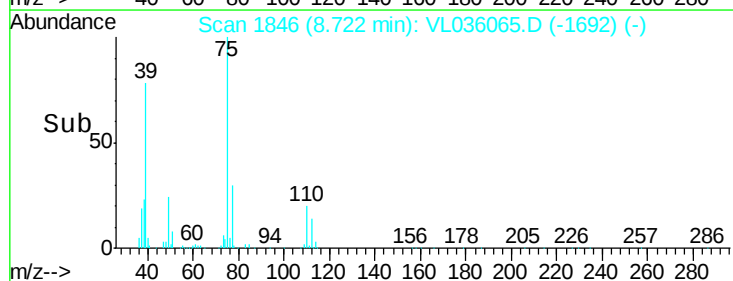
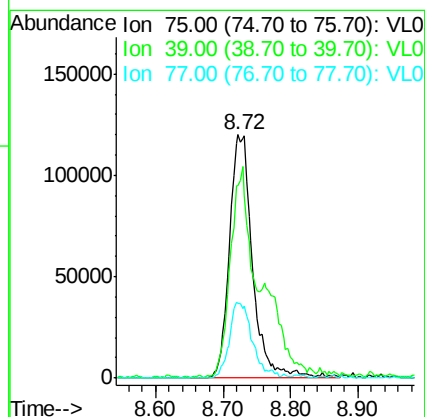
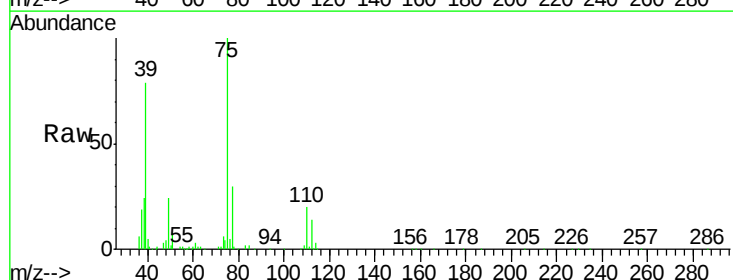
Manual Integrations
APPROVED

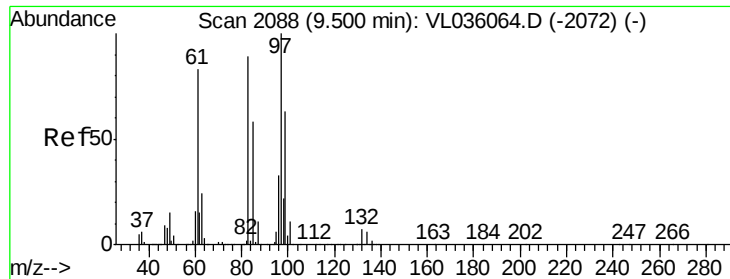
MMDadoda
12/10/2020 9:53:10 AM



#46
cis-1,3-Dichloropropene
Concen: 3.030 ppbv m
RT: 8.72 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion: 75 Resp: 287384
Ion Ratio Lower Upper
75 100
39 79.3 61.6 92.4
77 30.4 23.0 34.6





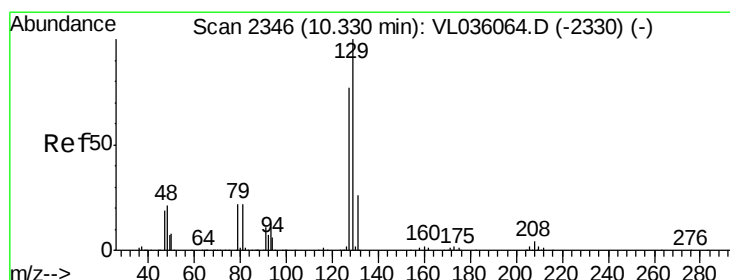
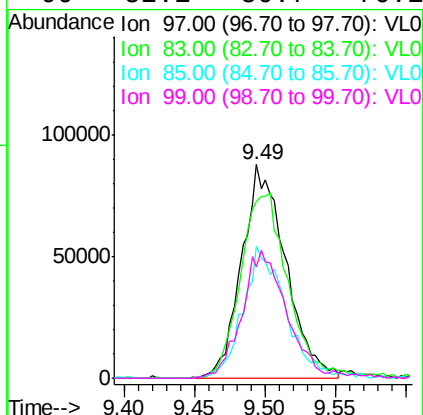
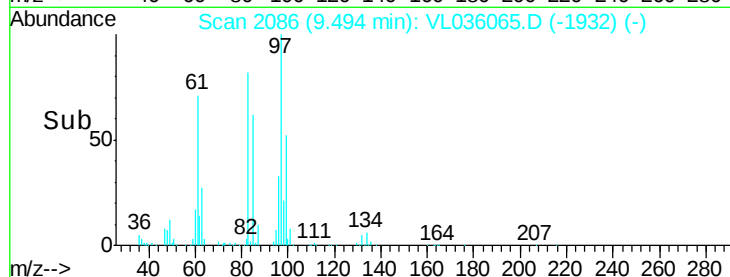
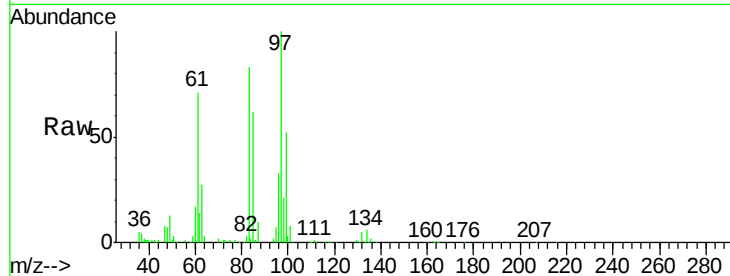
#47
 1,1,2-Trichloroethane
 Concen: 1.950 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		192392		
83	82.8	71.4	107.2		
85	61.5	46.6	70.0		
99	52.1	50.7	76.1		

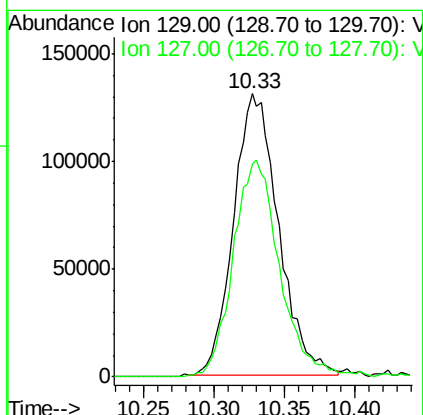
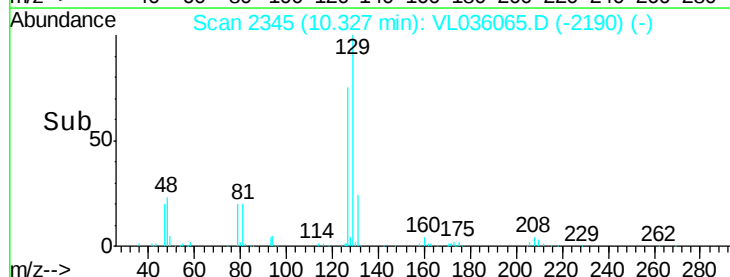
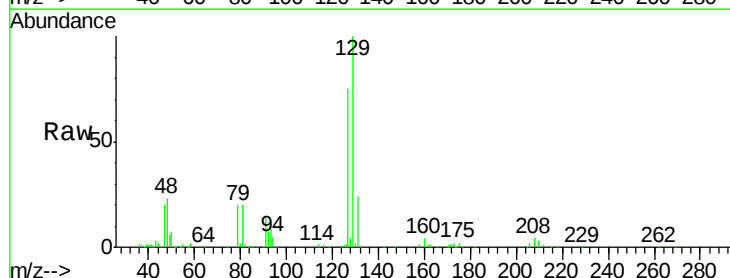
Manual Integrations
 APPROVED

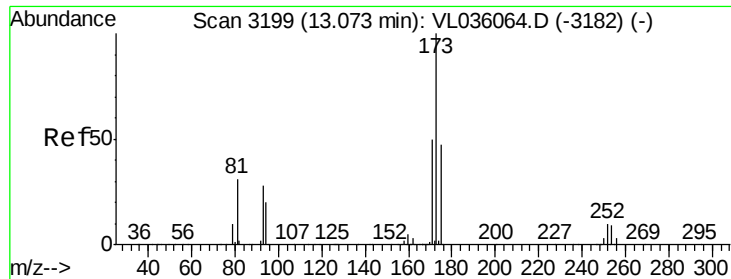
MMDadoda
 12/10/2020 9:53:10 AM



#48
 Dibromochloromethane
 Concen: 2.100 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		291653		
127	80.0	39.0	117.0		





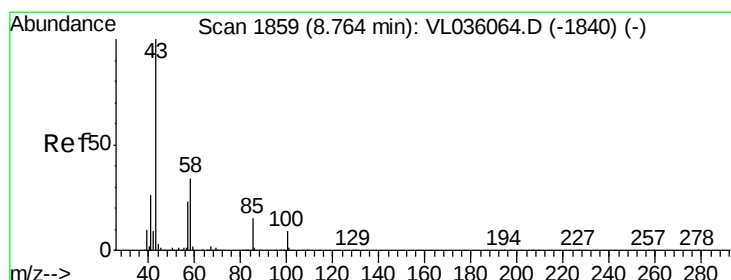
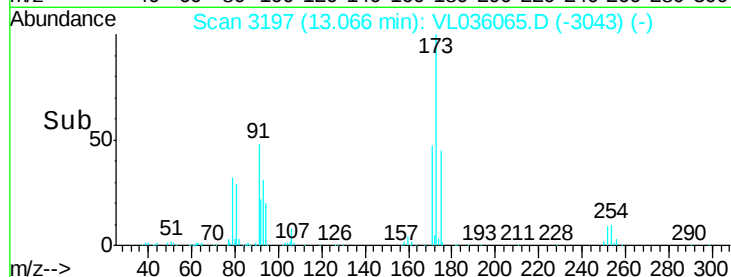
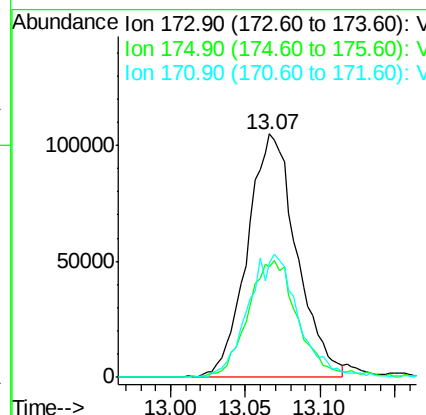
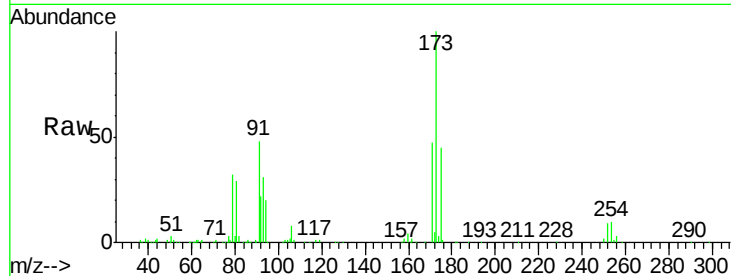
#49
Bromoform
Concen: 2.331 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.8	59.6
171	51.6	42.5	63.7

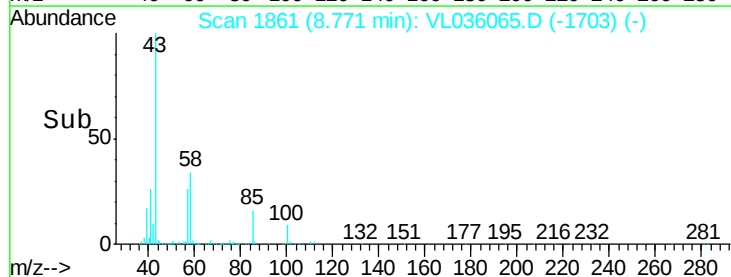
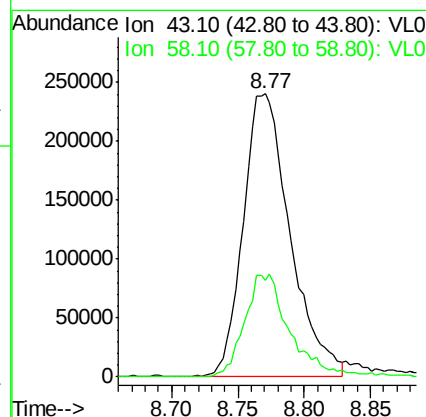
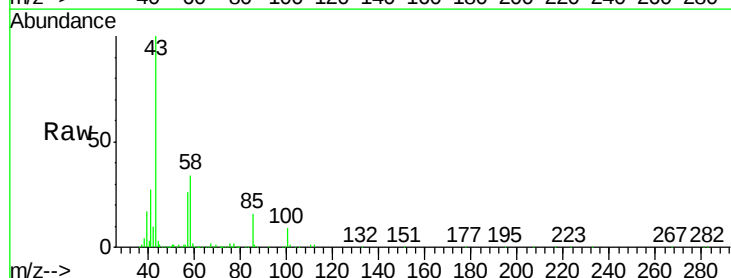
Manual Integrations
APPROVED

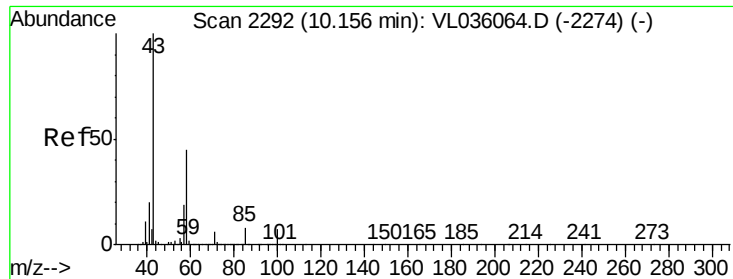
MMDadoda
12/10/2020 9:53:10 AM



#50
4-Methyl-2-Pentanone
Concen: 3.792 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.4	41.2





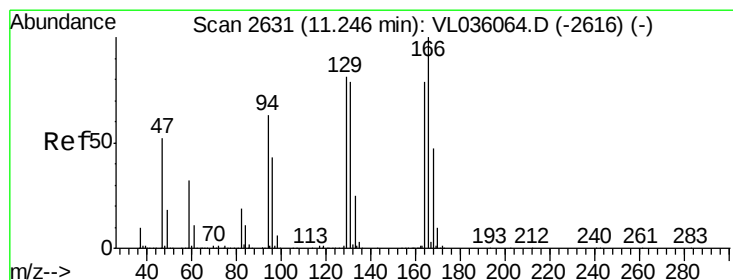
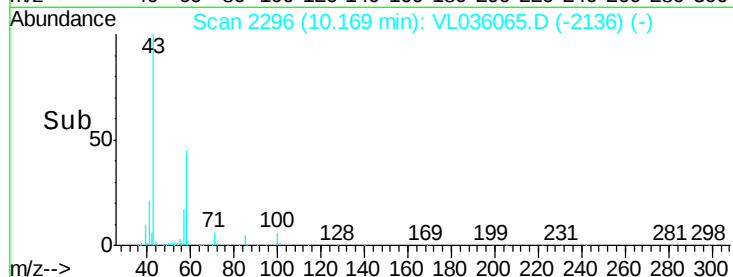
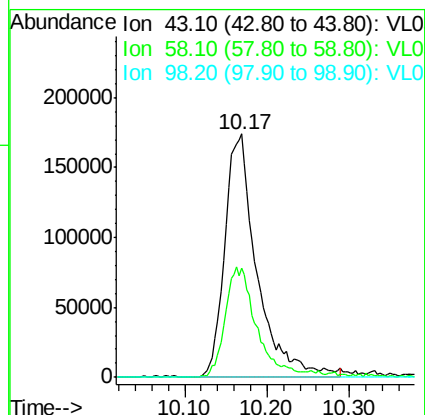
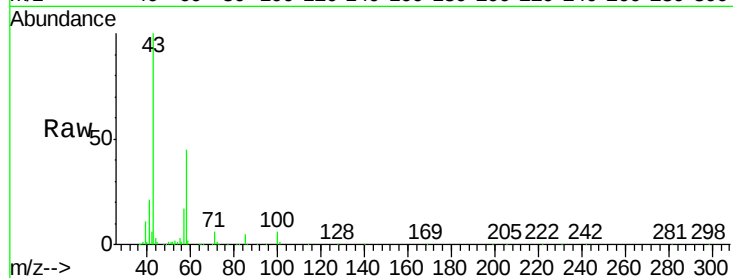
#51
2-Hexanone
Concen: 4.202 ppbv m
RT: 10.17 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.3	38.7	58.1
98	0.0	0.1	0.1#

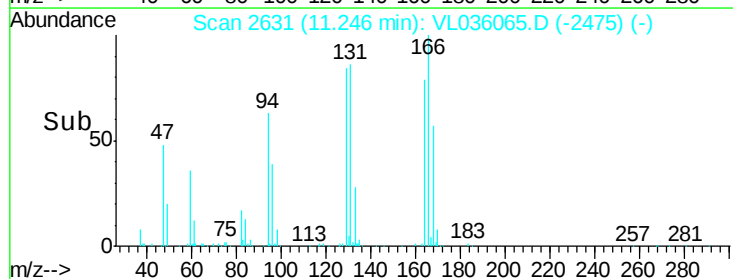
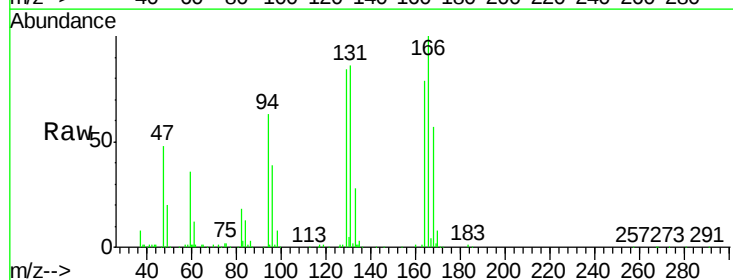
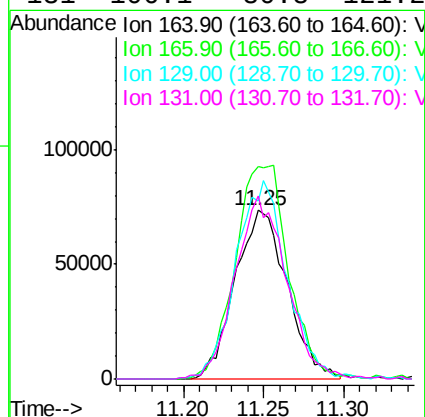
Manual Integrations
APPROVED

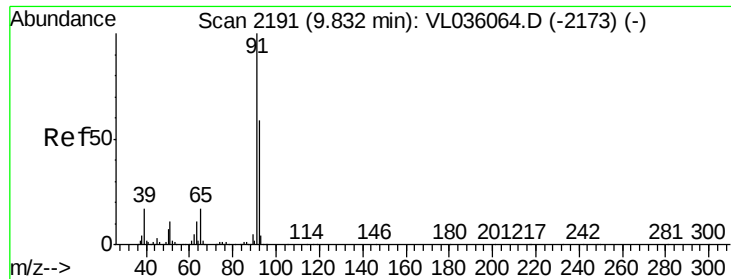
MMDadoda
12/10/2020 9:53:10 AM



#52
Tetrachloroethene
Concen: 2.061 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.9	152.9
129	104.3	82.1	123.1
131	106.1	80.8	121.2





#53

Toluene

Concen: 2.596 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 580873

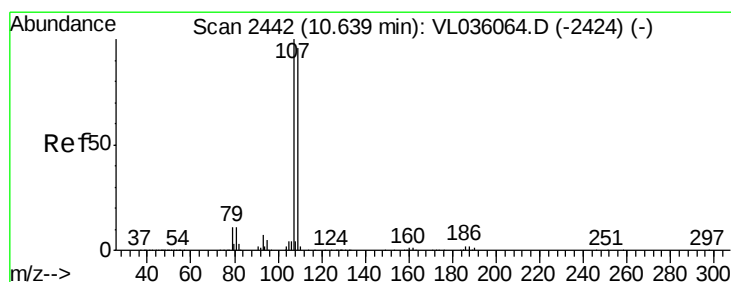
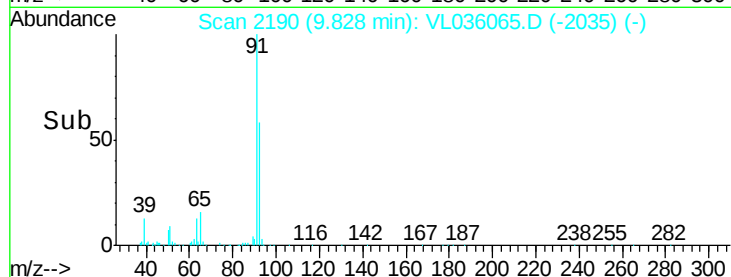
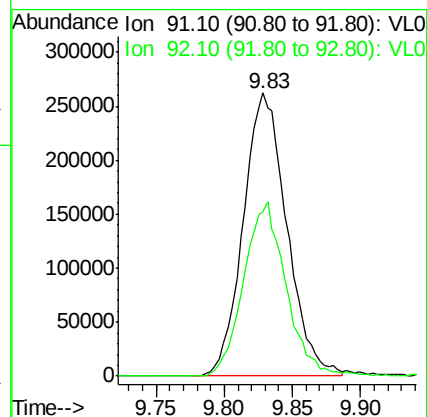
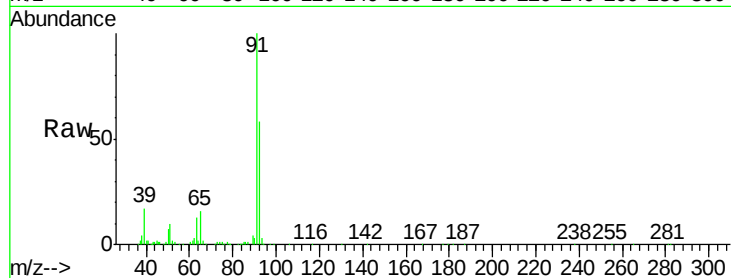
Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#54

1,2-Dibromoethane

Concen: 2.048 ppbv m

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL036065.D

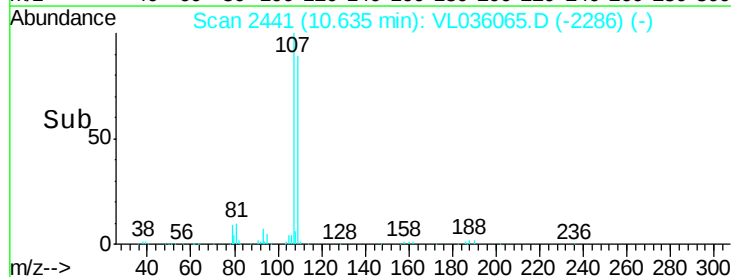
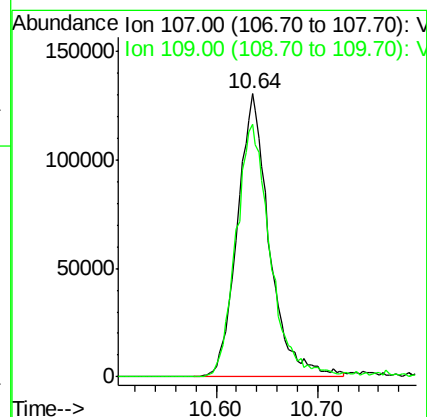
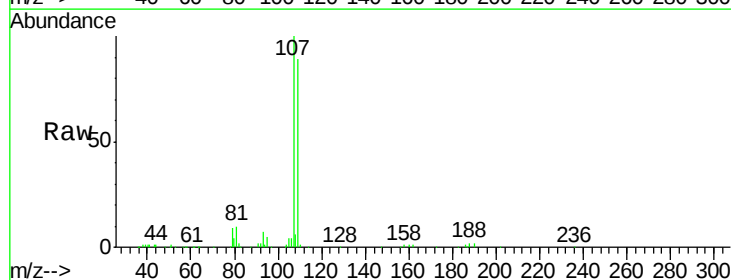
Acq: 7 Dec 2020 13:09

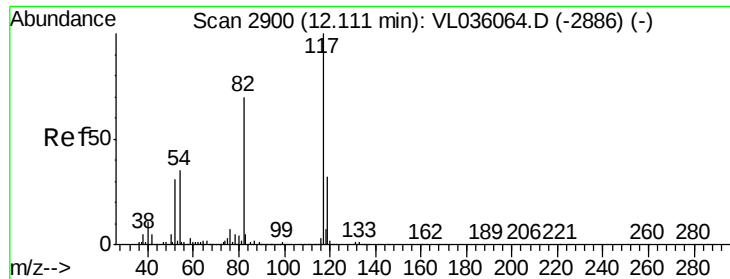
Tgt Ion: 107 Resp: 286671

Ion Ratio Lower Upper

107 100

109 89.1 76.6 115.0





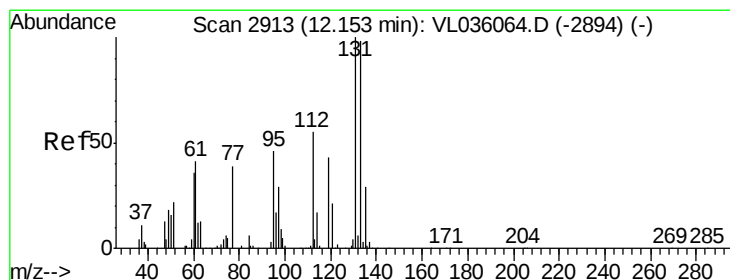
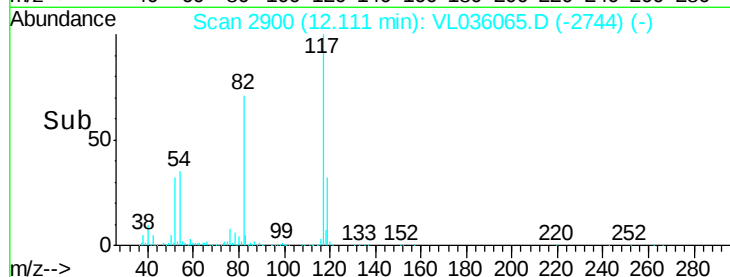
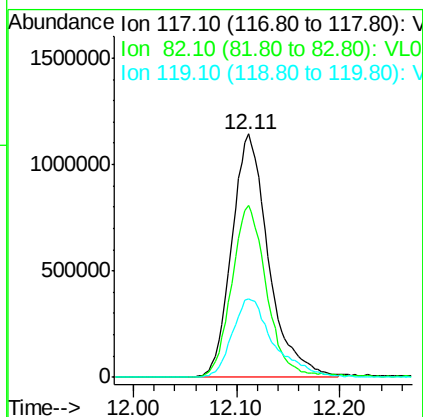
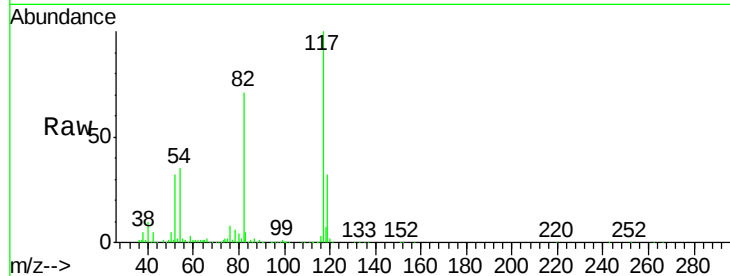
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.7	0.0	0.0#
119	36.4	0.0	0.0#

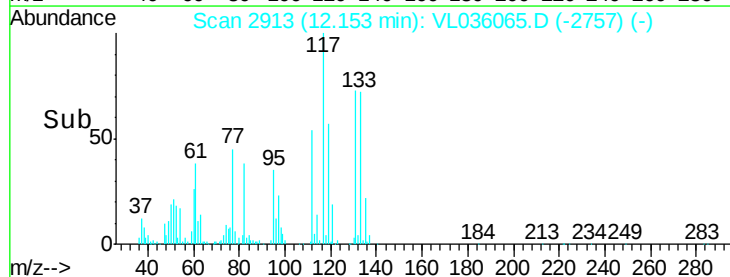
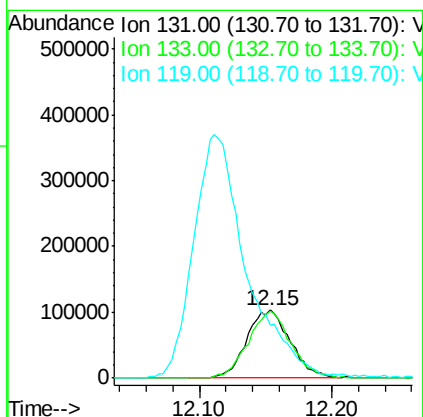
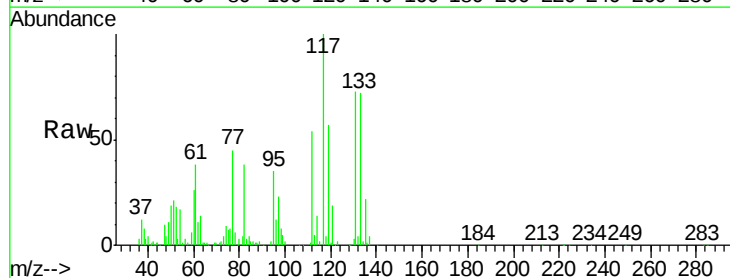
Manual Integrations
APPROVED

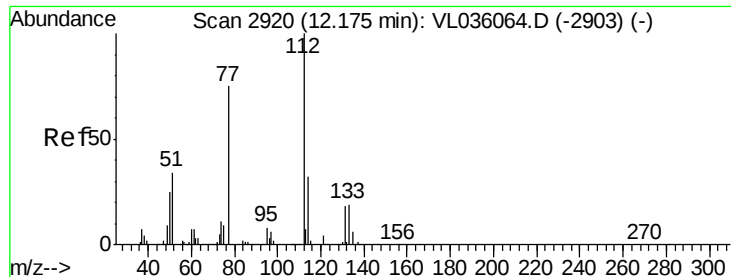
MMDadoda
12/10/2020 9:53:10 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 2.026 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	77.7	116.5
119	439.5	51.6	77.4#





#57

Chlorobenzene

Concen: 1.918 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

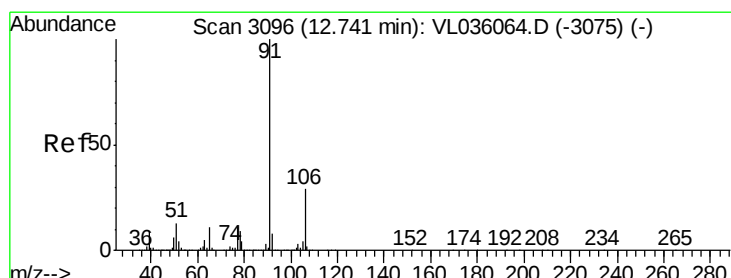
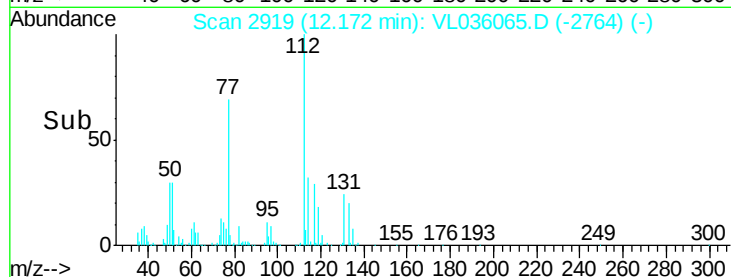
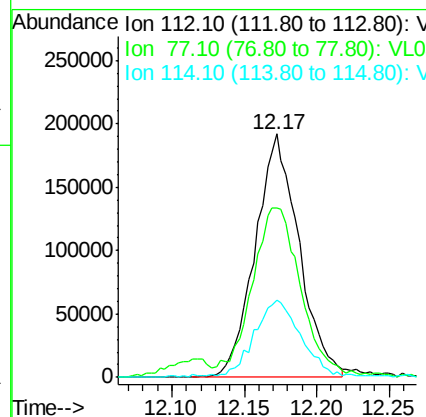
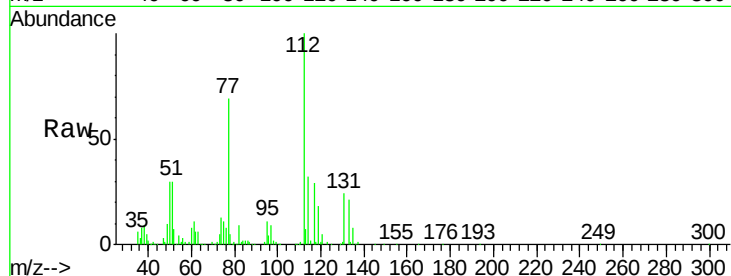
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.7	60.5	90.7
114	31.1	29.2	35.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



#58

Ethyl Benzene

Concen: 2.833 ppbv

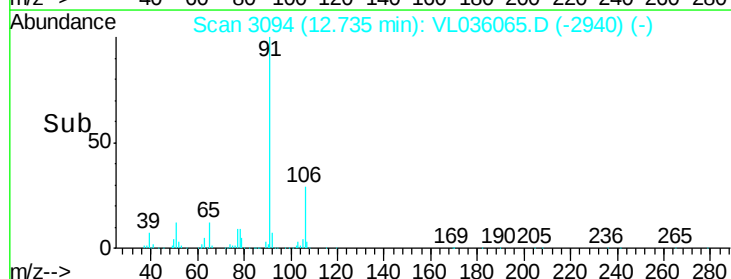
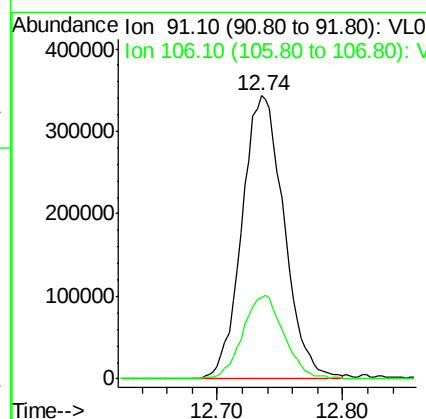
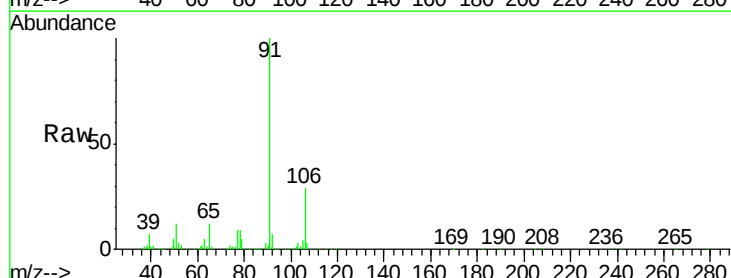
RT: 12.74 min Scan# 3094

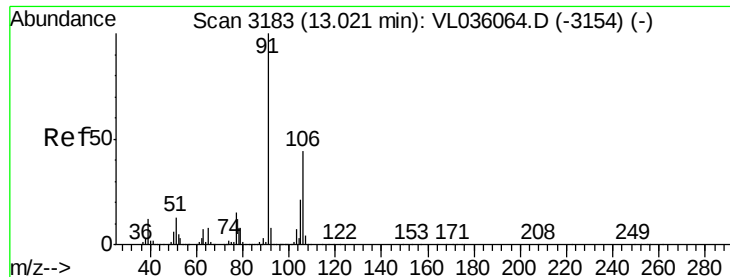
Delta R.T. -0.01 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.0	34.4





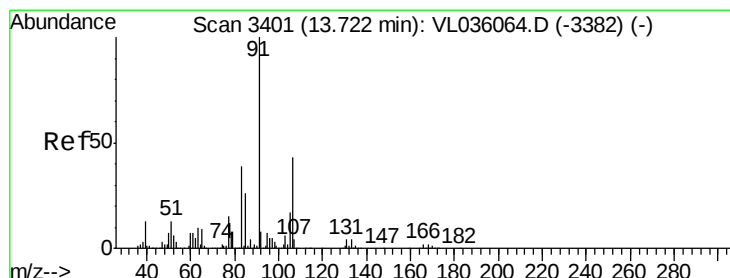
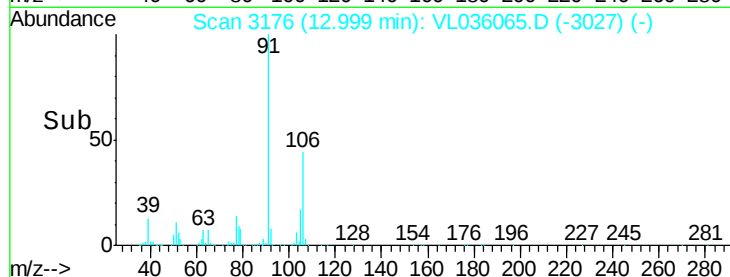
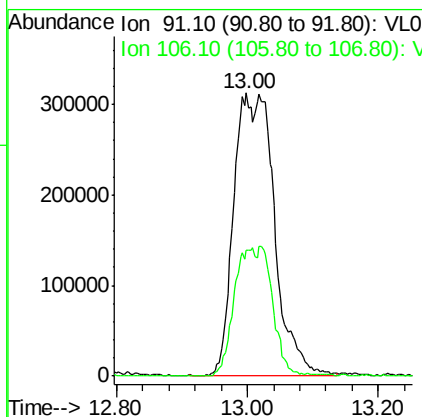
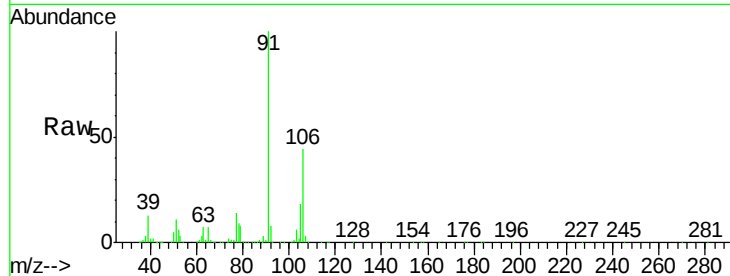
#59
m/p-Xylene
Concen: 5.262 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1351140
Ion Ratio Lower Upper
91 100
106 42.2 33.6 50.4

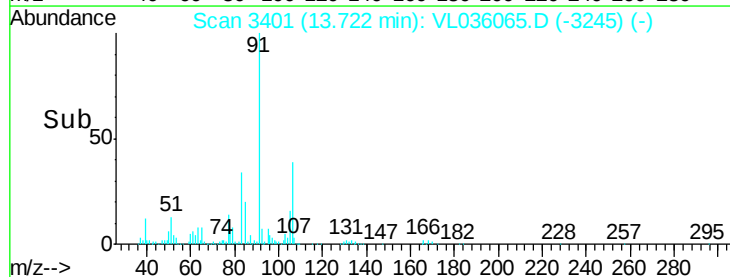
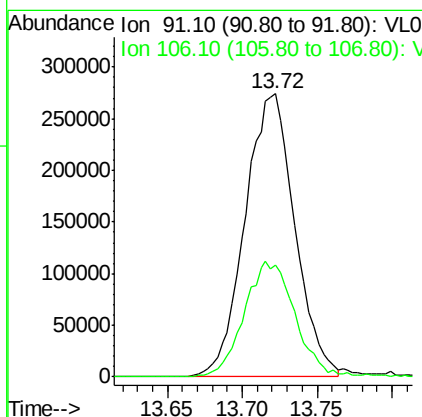
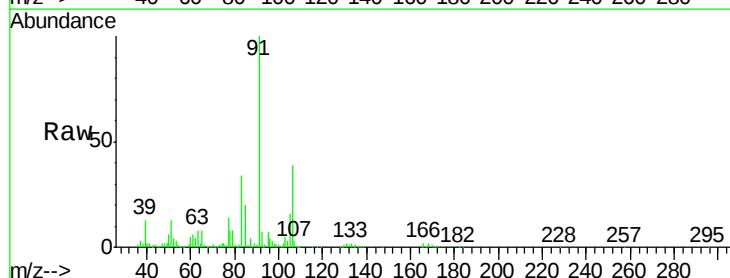
Manual Integrations
APPROVED

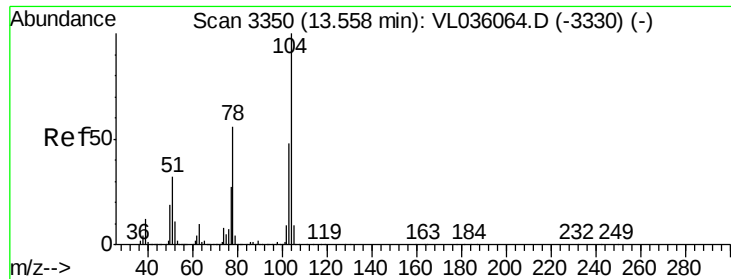
MMDadoda
12/10/2020 9:53:10 AM



#60
o-Xylene
Concen: 2.434 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion: 91 Resp: 630604
Ion Ratio Lower Upper
91 100
106 42.4 21.6 64.6





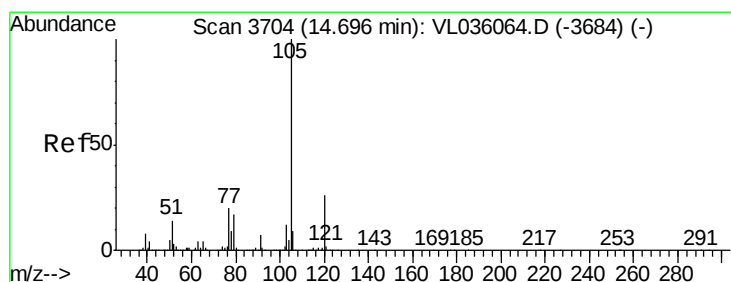
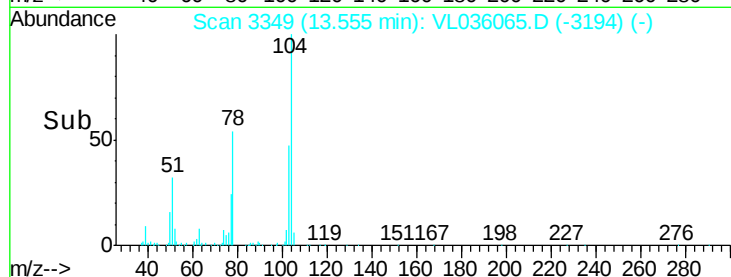
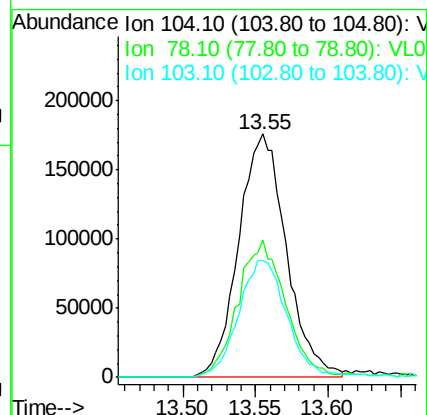
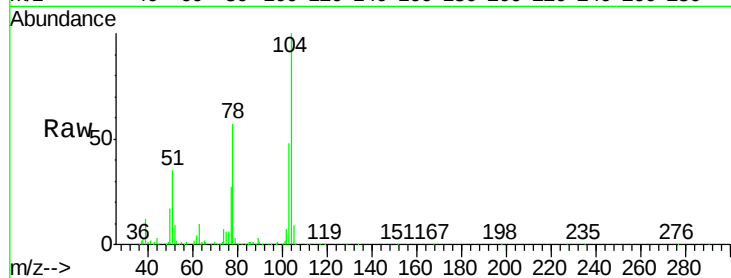
#61
Stvrene
Concen: 2.719 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.6	45.8	68.8
103	49.5	38.6	57.8

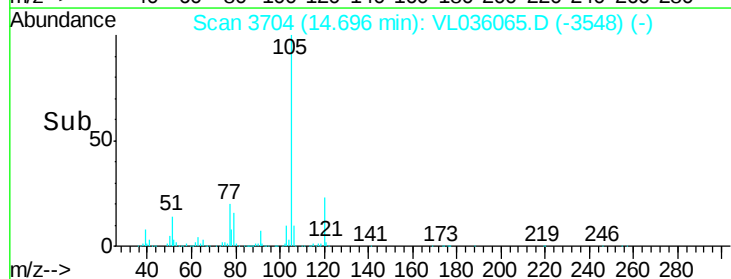
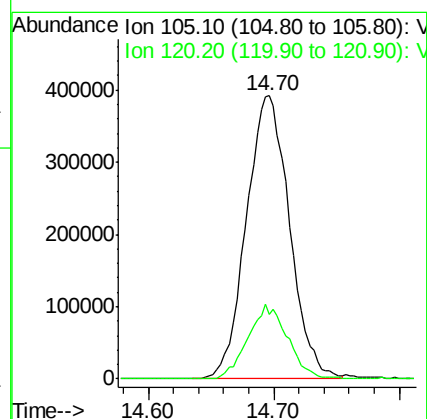
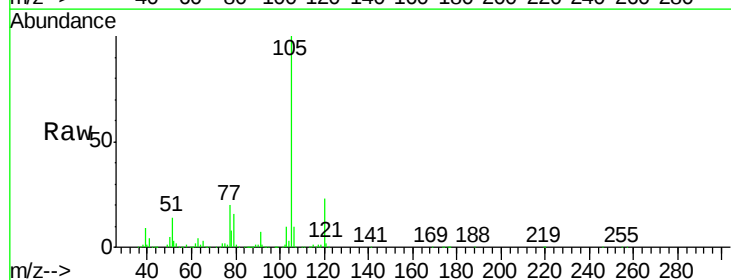
Manual Integrations
APPROVED

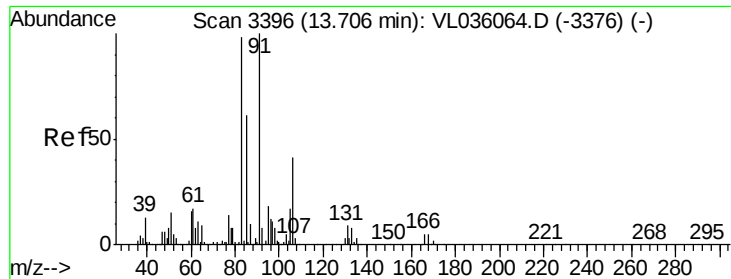
MMDadoda
12/10/2020 9:53:10 AM



#62
Isopropylbenzene
Concen: 2.439 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.1	30.1





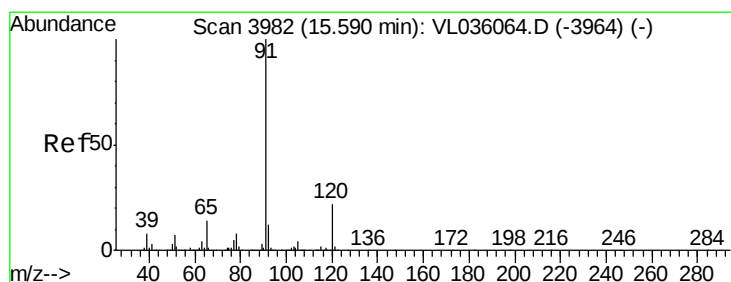
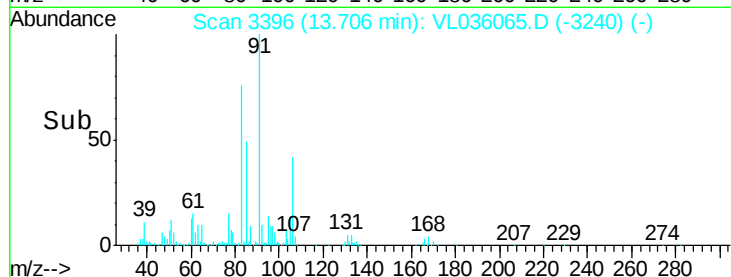
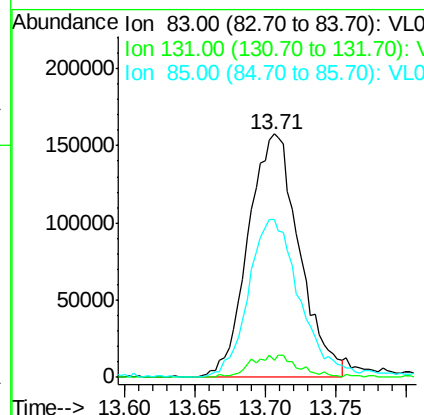
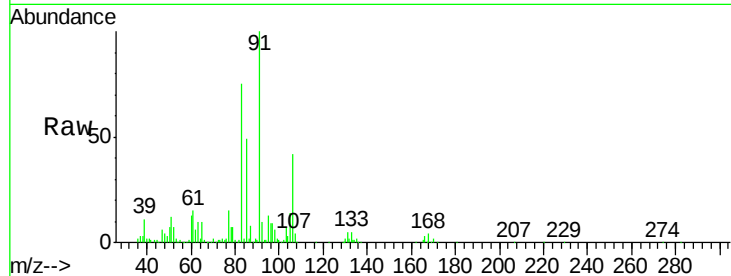
#63
1,1,2,2-Tetrachloroethane
Concen: 1.839 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100	399331		
131	9.2	4.6	13.8	
85	67.5	32.5	97.5	

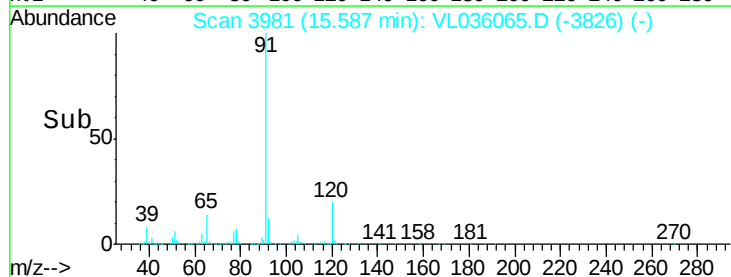
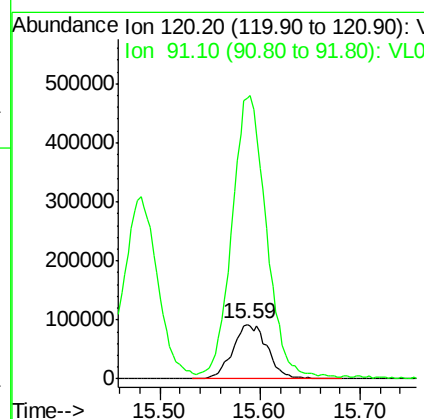
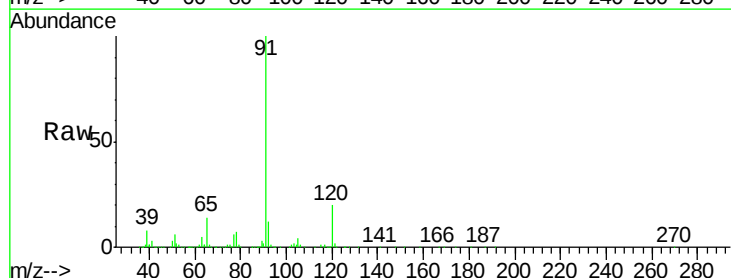
Manual Integrations
APPROVED

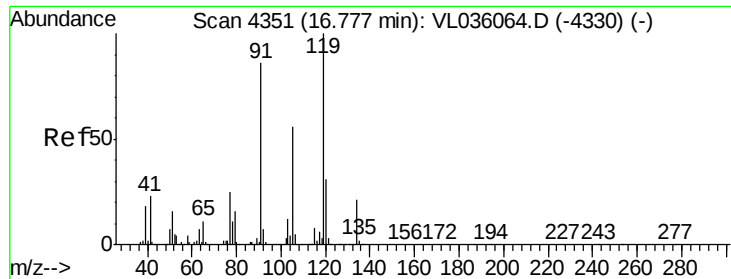
MMDadoda
12/10/2020 9:53:10 AM



#64
n-propylbenzene
Concen: 2.216 ppbv m
RT: 15.59 min Scan# 3981
Delta R.T. -0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	224346		
91	507.4	388.9	583.3	





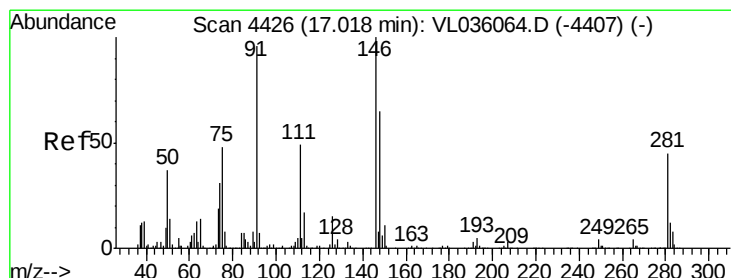
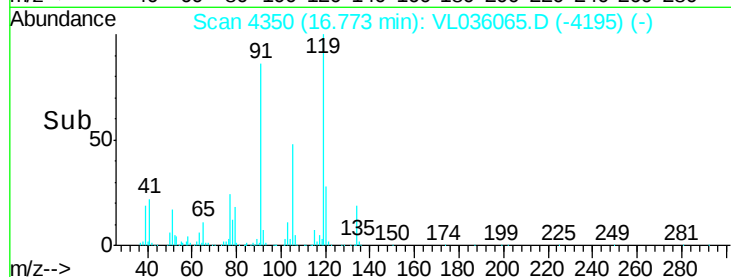
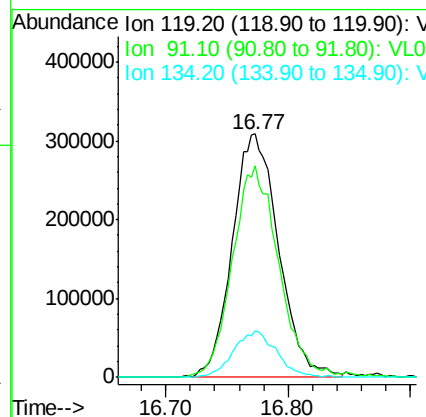
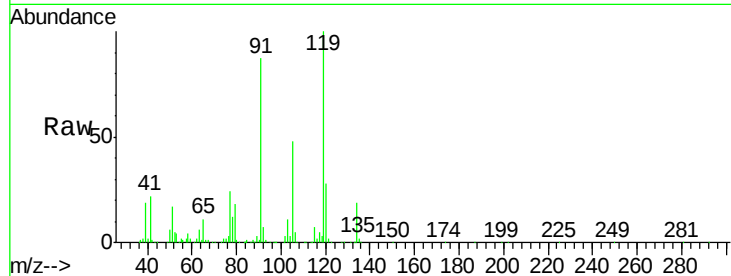
#65
tert-Butylbenzene
Concen: 2.490 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	88.4	70.2	105.2
134	18.0	15.8	23.6

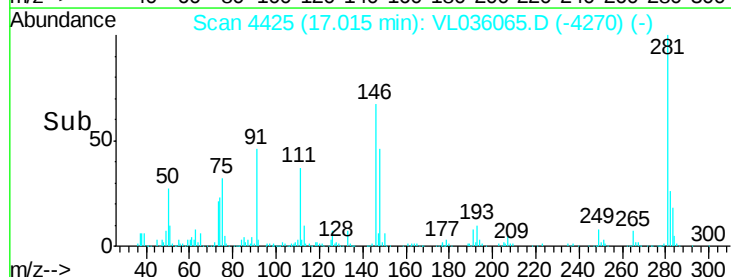
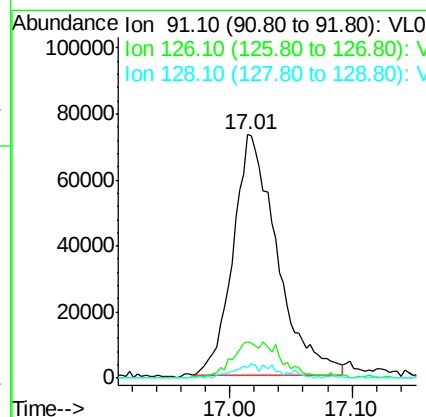
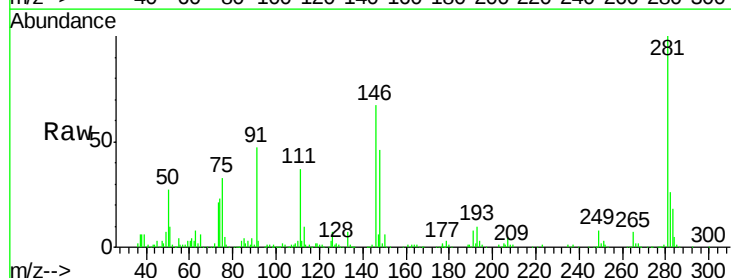
Manual Integrations
APPROVED

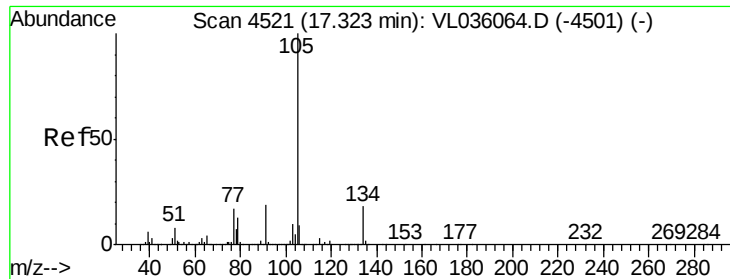
MMDadoda
12/10/2020 9:53:10 AM



#66
Benzyl Chloride
Concen: 2.355 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.9	13.5	20.3
128	6.0	4.4	6.6





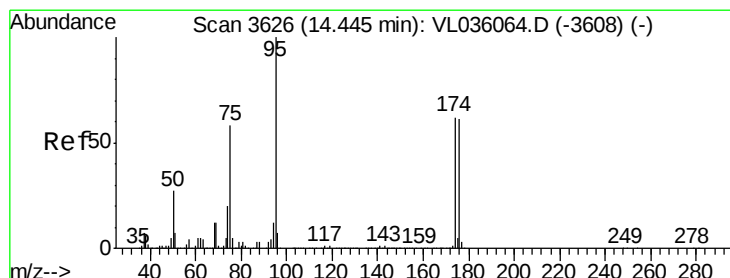
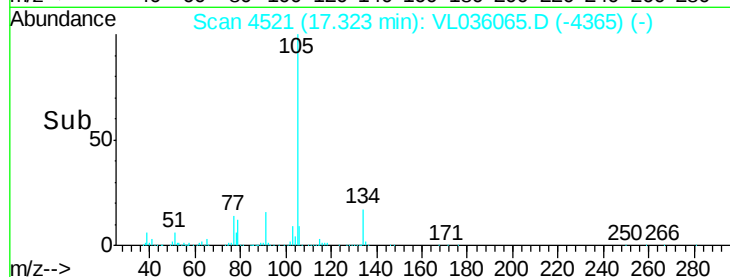
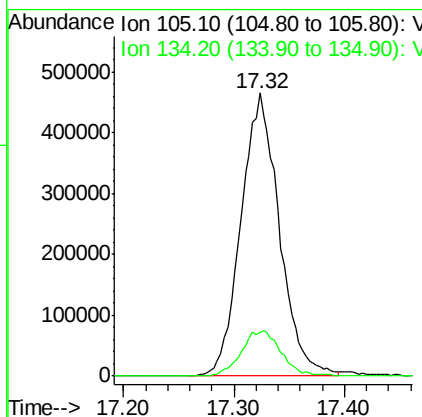
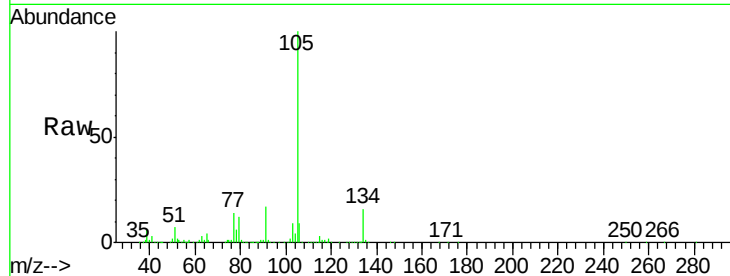
#67
 sec-Butylbenzene
 Concen: 2.535 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. 0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion: 105 Resp: 1116614
 Ion Ratio Lower Upper
 105 100
 134 16.9 14.2 21.4

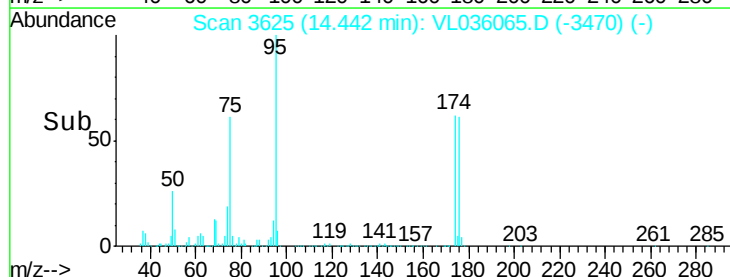
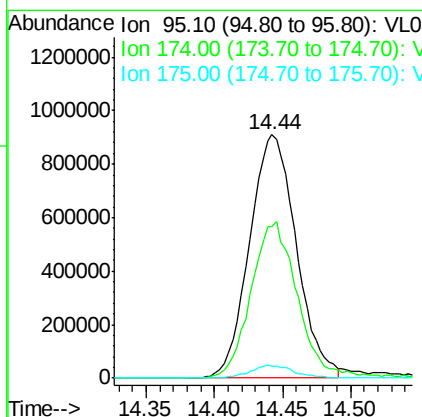
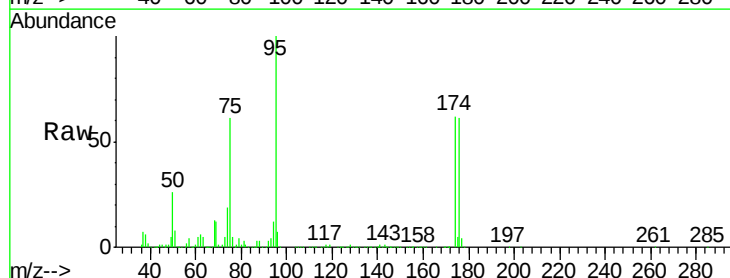
Manual Integrations
 APPROVED

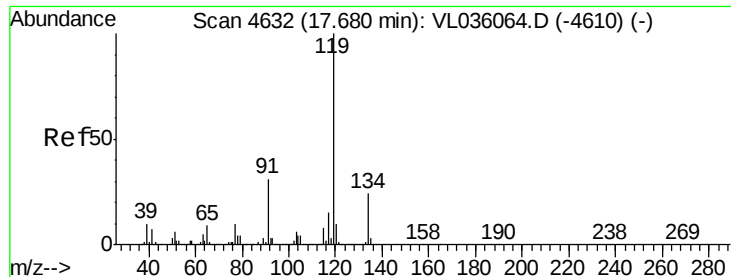
MMDadoda
 12/10/2020 9:53:10 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.961 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion: 95 Resp: 2167067
 Ion Ratio Lower Upper
 95 100
 174 65.2 50.7 76.1
 175 5.1 4.0 6.0





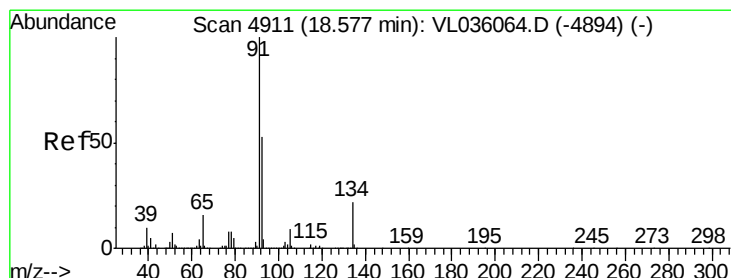
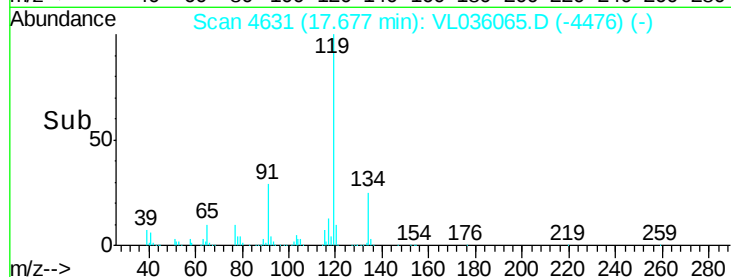
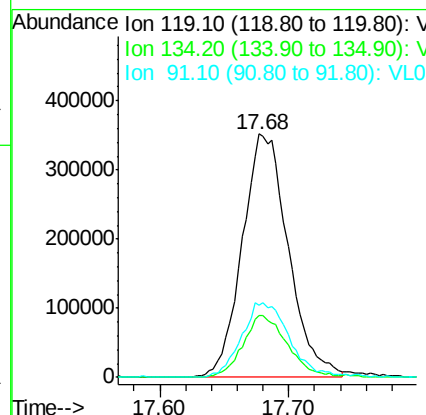
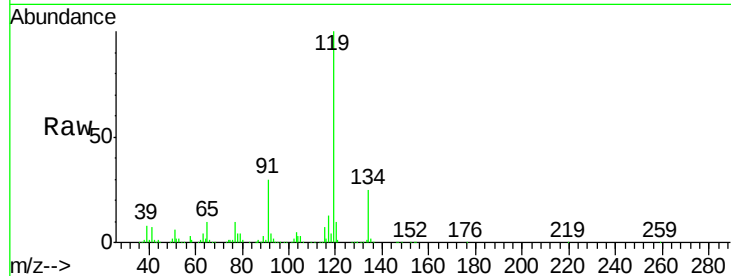
#69
 p-Isopropyltoluene
 Concen: 2.607 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	866964		
134	25.2	19.8	29.6	
91	32.9	25.8	38.6	

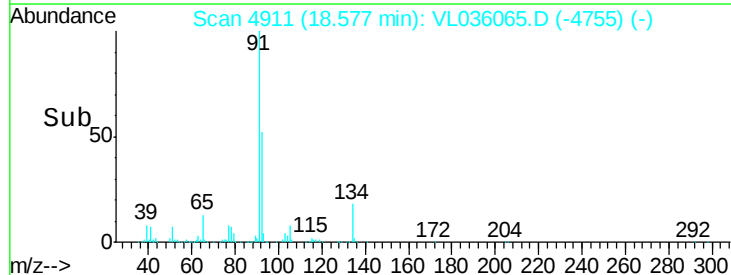
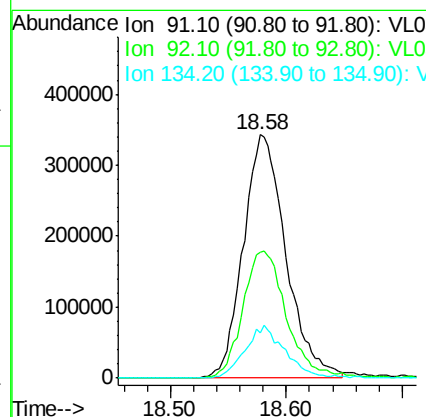
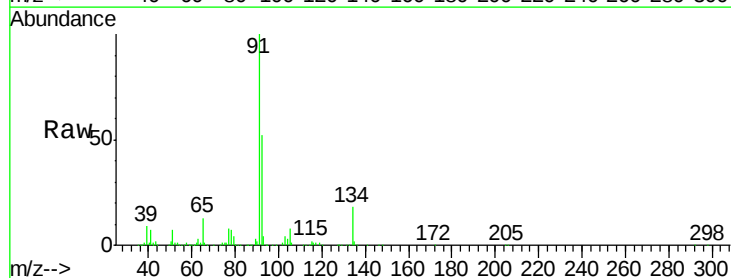
Manual Integrations
 APPROVED

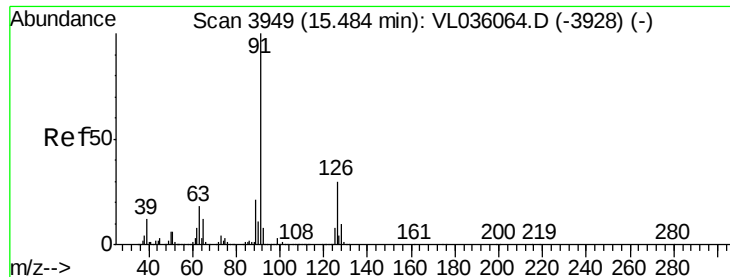
MMDadoda
 12/10/2020 9:53:10 AM



#70
 n-Butylbenzene
 Concen: 2.652 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	873013		
92	54.1	43.3	64.9	
134	20.7	17.1	25.7	





#71

2-Chlorotoluene

Concen: 2.738 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 724340

Ion Ratio Lower Upper

91 100

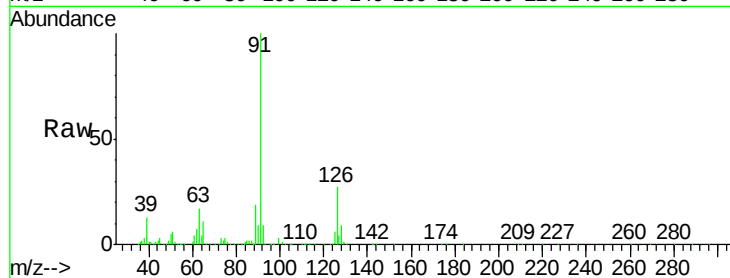
126 26.5 11.6 46.4

Manual Integrations

APPROVED

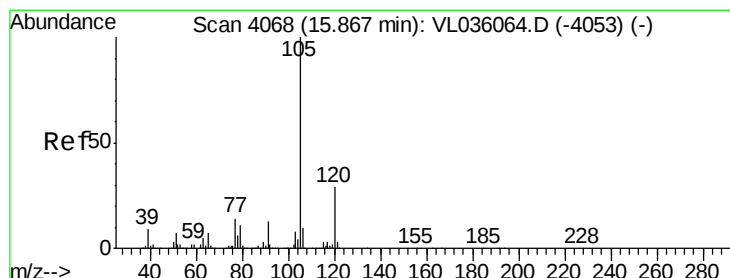
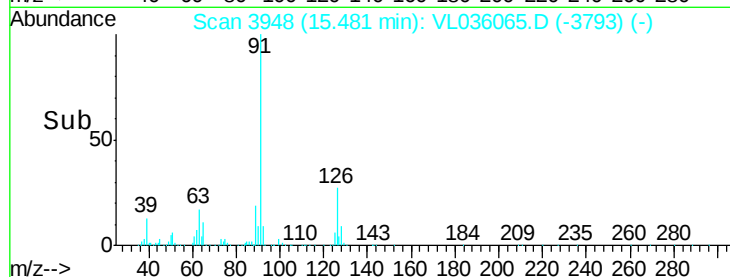
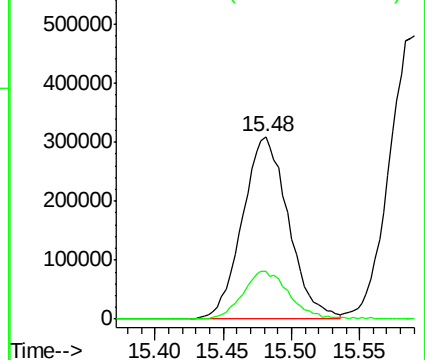
MMDadoda

12/10/2020 9:53:10 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.576 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:105 Resp: 687231

Ion Ratio Lower Upper

105 100

120 29.7 23.6 35.4

91 12.6 11.4 17.0

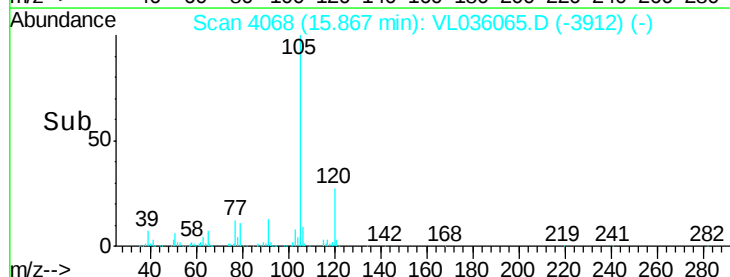
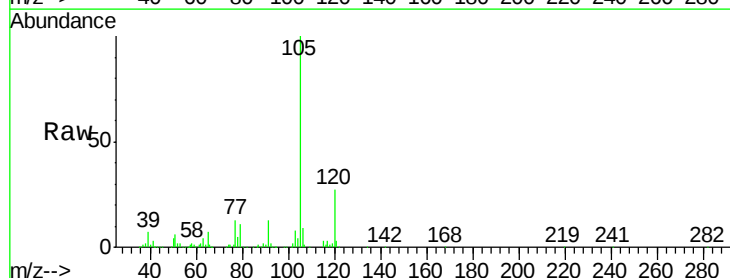
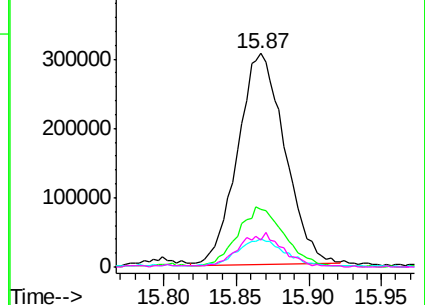
77 15.2 12.1 18.1

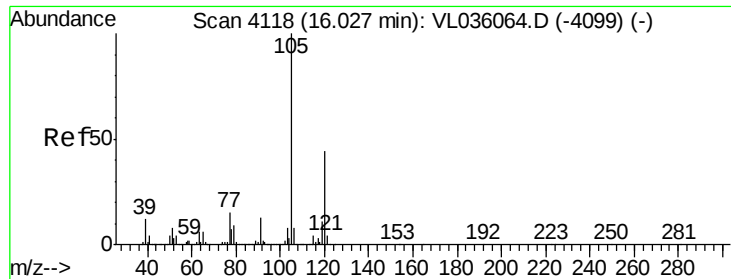
Abundance Ion 105.10 (104.80 to 105.80): V

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: 2.703 ppbv m

RT: 16.03 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 675680

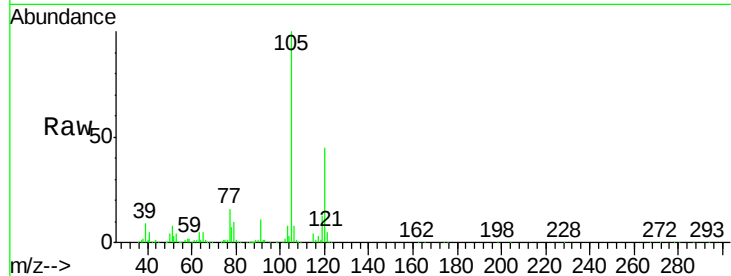
Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.2

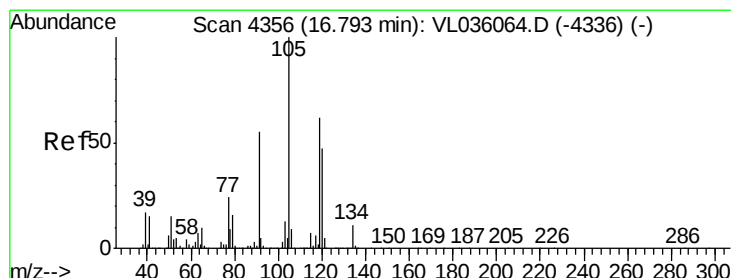
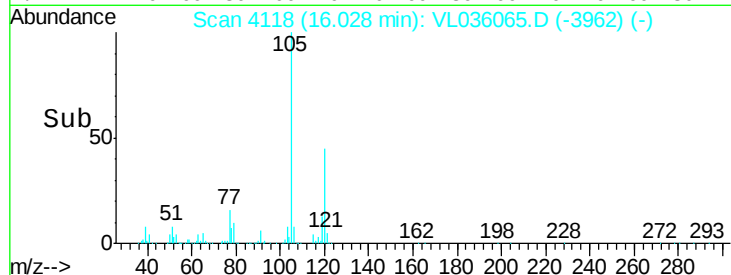
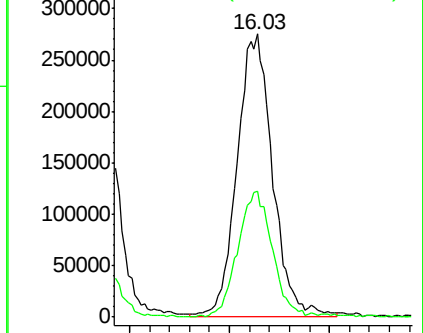
Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:10 AM



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: 2.421 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL036065.D

Acq: 7 Dec 2020 13:09

Tgt Ion:105 Resp: 675125

Ion Ratio Lower Upper

105 100

120 42.0 37.4 56.0

91 48.6 45.6 68.4

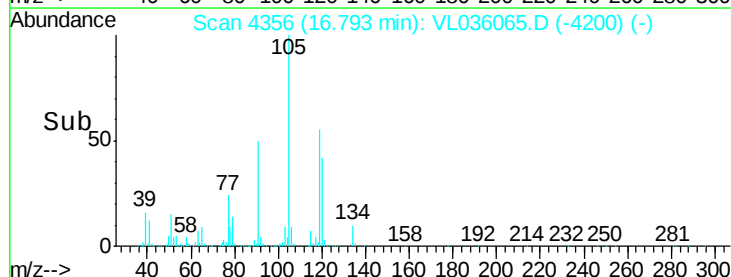
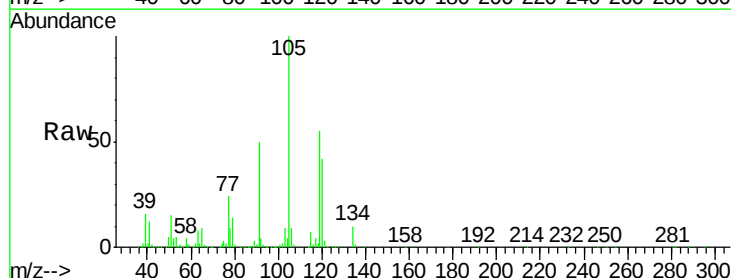
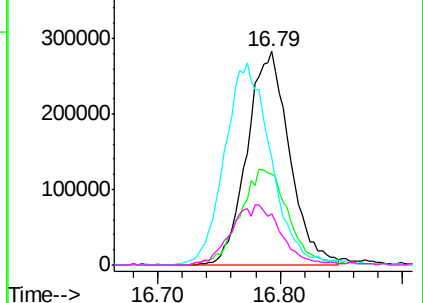
77 23.8 19.4 29.2

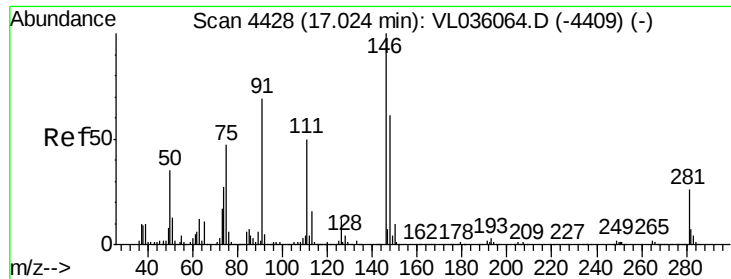
Abundance Ion 105.10 (104.80 to 105.80): V

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





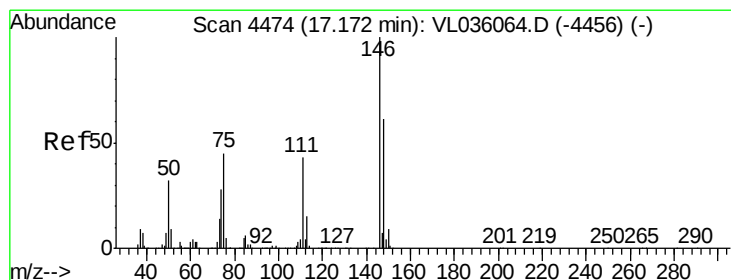
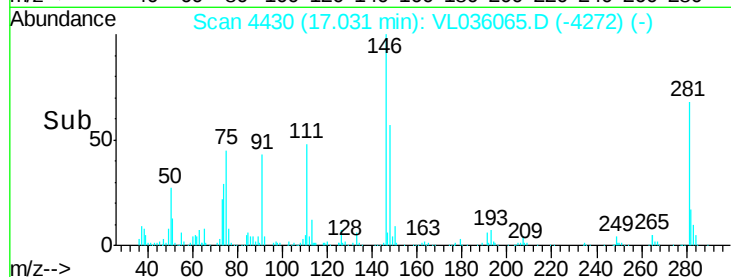
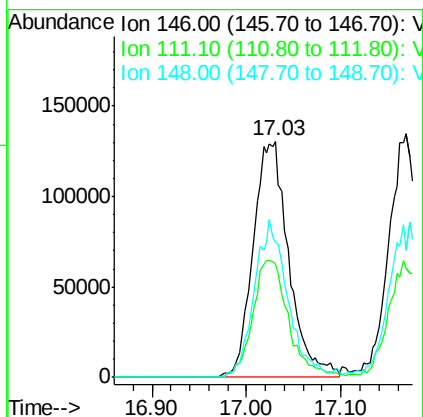
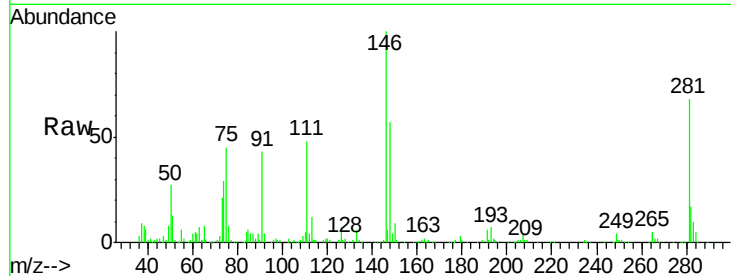
#75
 1,3-Dichlorobenzene
 Concen: 2.019 ppbv m
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.1	75.3
148	62.8	32.9	98.6

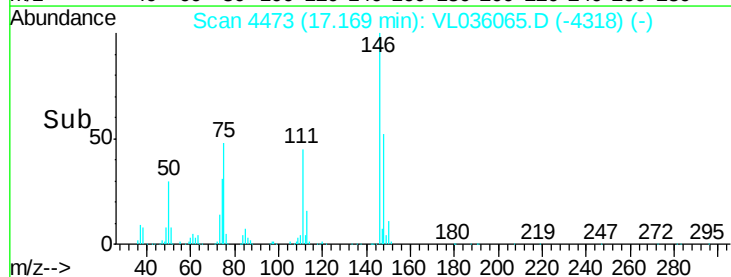
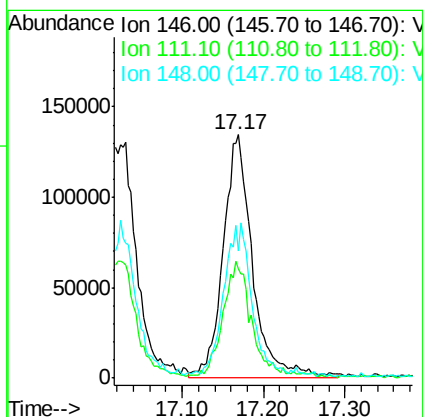
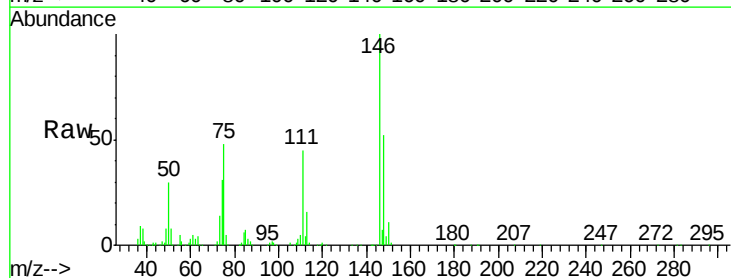
Manual Integrations
 APPROVED

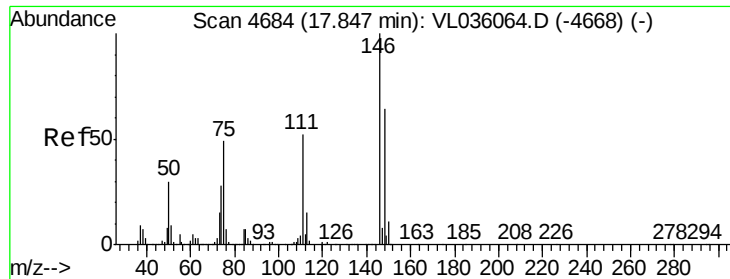
MMDadoda
 12/10/2020 9:53:10 AM



#76
 1,4-Dichlorobenzene
 Concen: 2.161 ppbv m
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	72.8
148	62.2	32.8	98.3





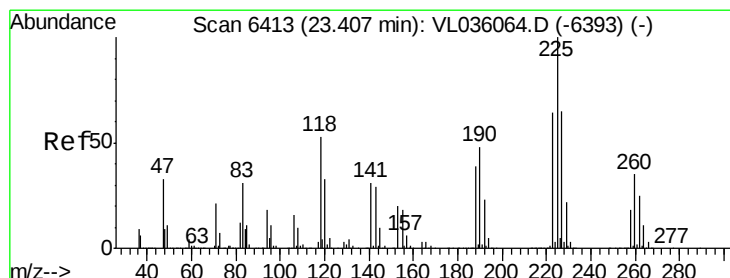
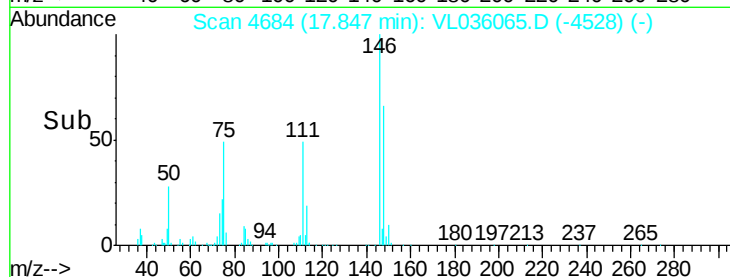
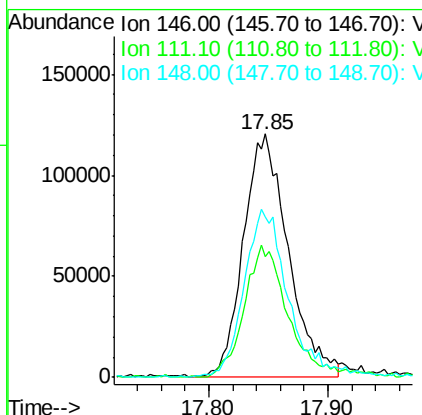
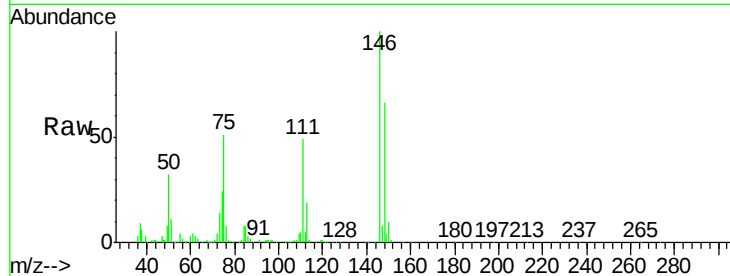
#77
 1,2-Dichlorobenzene
 Concen: 2.015 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.5	26.1	78.2
148	69.1	33.1	99.5

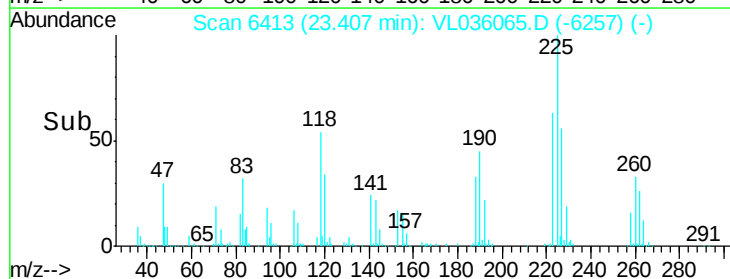
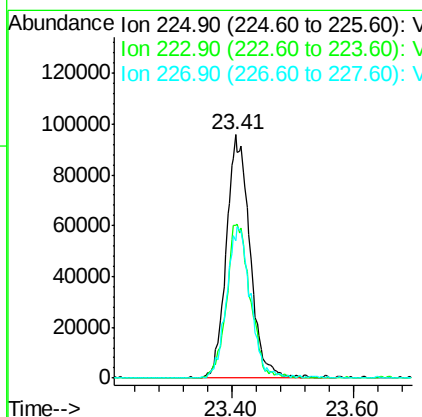
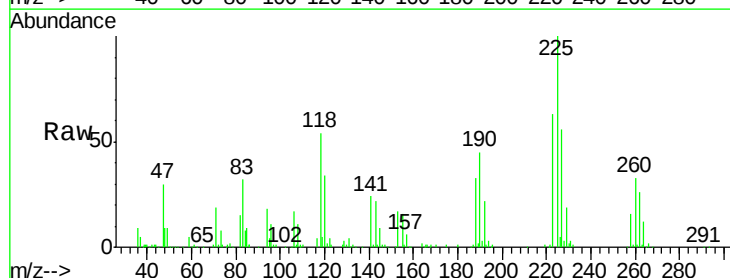
Manual Integrations
 APPROVED

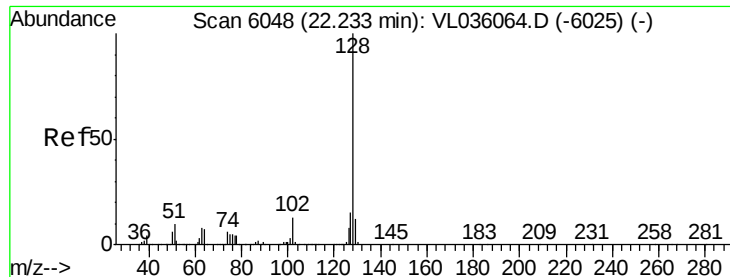
MMDadoda
 12/10/2020 9:53:10 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.035 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.1	76.7
227	63.2	51.7	77.5





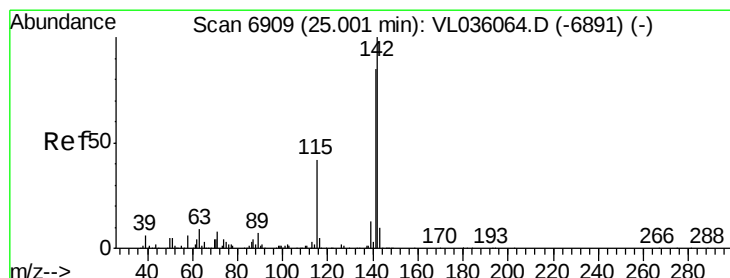
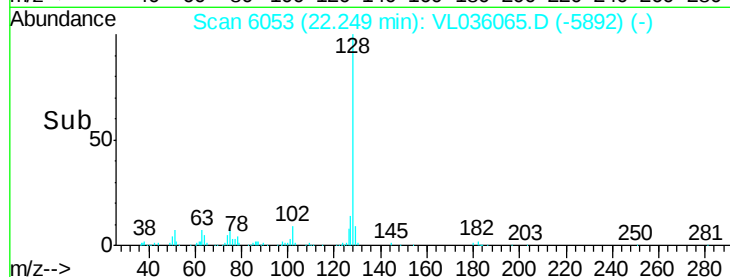
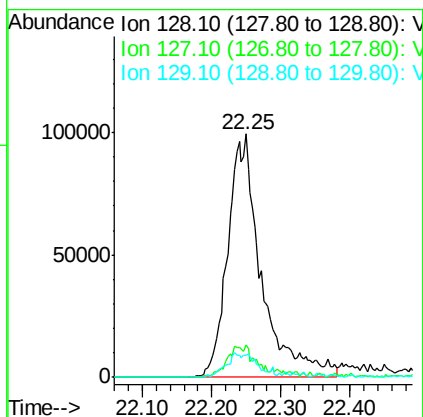
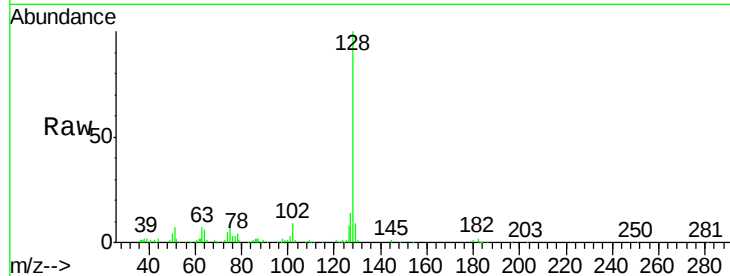
#79
Naphthalene
Concen: 2.572 ppbv m
RT: 22.25 min Scan# 6053
Delta R.T. 0.02 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.7	17.5
129	9.0	9.3	13.9

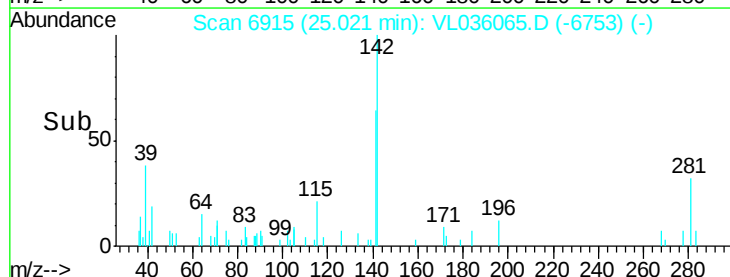
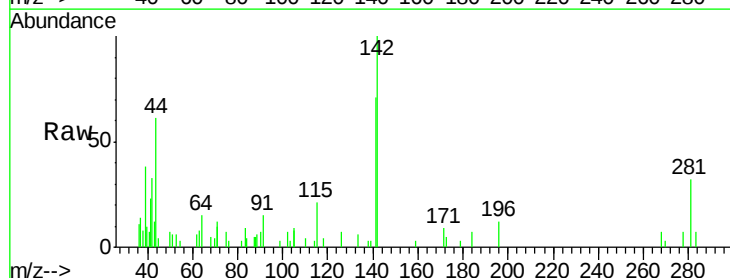
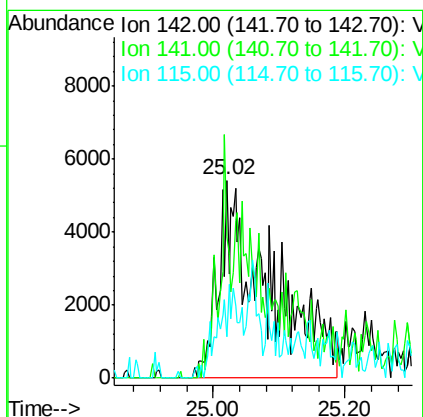
Manual Integrations
APPROVED

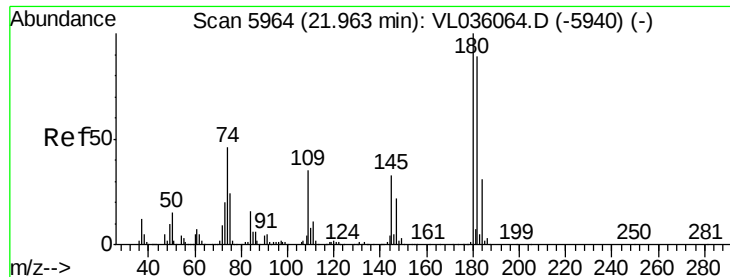
MMDadoda
12/10/2020 9:53:10 AM



#80
Naphthalene, 2-methyl-
Concen: 1.064 ppbv m
RT: 25.02 min Scan# 6915
Delta R.T. 0.02 min
Lab File: VL036065.D
Acq: 7 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	59.1	64.3	96.5
115	19.1	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 2.517 ppbv m
 RT: 21.98 min Scan# 5968
 Delta R.T. 0.01 min
 Lab File: VL036065.D
 Acq: 7 Dec 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	224889
Ion Ratio		Lower	Upper
180	100		
182	0.0	0.0	0.0
184	29.4	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:10 AM

