

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035800.D
 Acq On : 3 Nov 2020 11:11
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:09 PM

Quant Time: Nov 03 14:10:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 14:10:29 2020
 QLast Update : Tue Nov 03 11:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1327679	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5258122	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5096797	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3495807	9.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	475002	2.180	ppbv	99
3) Chlorodifluoromethane	2.98	51	334978	2.345	ppbv	100
4) Chloromethane	3.14	50	160716	2.095	ppbv	96
5) Vinyl Chloride	3.25	62	203843	2.246	ppbv	96
6) Bromomethane	3.47	94	165592	2.158	ppbv	92
7) Chloroethane	3.56	64	73123	2.197	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	602125	2.279	ppbv	98
9) Propene	3.01	41	123253	2.377	ppbv	95
10) Heptane	8.12	43	339681	2.349	ppbv	99
11) Trichlorofluoromethane	3.94	101	669187	2.153	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	485712	2.096	ppbv	100
13) Ethanol	3.60	45	31352	2.451	ppbv	98
14) Bromoethene	3.74	108	217044	2.224	ppbv	98
15) Acetone	3.85	43	305849	2.141	ppbv	89
16) 1,3-Butadiene	3.32	39	130965	2.506	ppbv	100
17) tert-Butyl alcohol	4.29	59	326286	2.097	ppbv	99
18) 1,1-Dichloroethene	4.29	96	220424	2.173	ppbv	97
19) Isopropyl Alcohol	3.96	45	159284	2.050	ppbv #	97
20) Methylene Chloride	4.34	84	201237	1.918	ppbv	98
21) Allyl Chloride	4.41	41	160479	2.317	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	213883	1.996	ppbv	98
23) Vinyl Acetate	5.07	43	389635	2.227	ppbv	98
24) 1,1-Dichloroethane	5.01	63	397254	2.084	ppbv	97
25) Ethyl Acetate	5.68	43	607521	2.363	ppbv	100
26) Hexane	5.69	57	325265	2.309	ppbv	99
27) Carbon Disulfide	4.55	76	476048	2.267	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	571613	2.560	ppbv	98
29) Chloroform	5.75	83	634258	2.217	ppbv	96
30) Cyclohexane	7.13	84	338509	2.436	ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	330552	2.431	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	614943	2.439	ppbv	99
34) 2-Butanone	5.24	43	376439	2.164	ppbv	97
35) Carbon Tetrachloride	7.01	117	598480	2.183	ppbv	98
36) Benzene	6.89	78	839384	2.450	ppbv	96
37) 1,2-Dichloroethane	6.30	62	381303	2.135	ppbv	100
38) Trichloroethene	7.83	130	378865	2.217	ppbv	98
39) 1,2-Dichloropropane	7.61	63	285200	2.297	ppbv	96
40) 1,4-Dioxane	7.84	88	118088	2.079	ppbv	66
41) Tetrahydrofuran	6.05	42	211990	2.419	ppbv	98
42) Bromodichloromethane	7.79	83	643030	2.235	ppbv	99
43) Methyl Methacrylate	8.01	69	316422	2.322	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035800.D
 Acq On : 3 Nov 2020 11:11
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

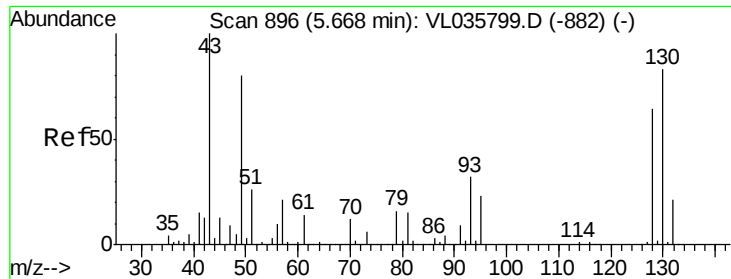
Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:09 PM

Quant Time: Nov 03 14:10:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 2020
 QLast Update : Tue Nov 03 11:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1158107	2.356	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	326145	2.371	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	421523	2.486	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	383520	2.156	ppbv	97
48) Dibromochloromethane	10.31	129	589911	2.179	ppbv	99
49) Bromoform	13.05	173	501514	2.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	598238m	2.355	ppbv	
51) 2-Hexanone	10.14	43	462895	2.262	ppbv #	99
52) Tetrachloroethene	11.22	164	366379	2.224	ppbv	99
53) Toluene	9.81	91	1010250	2.501	ppbv	98
54) 1,2-Dibromoethane	10.61	107	585002	2.196	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	480412	2.248	ppbv #	1
57) Chlorobenzene	12.15	112	849713	2.207	ppbv	97
58) Ethyl Benzene	12.72	91	1321995	2.584	ppbv	95
59) m/p-Xylene	13.00	91	2262097m	5.064	ppbv	
60) o-Xylene	13.70	91	1099386	2.433	ppbv	99
61) Styrene	13.54	104	775304	2.481	ppbv	98
62) Isopropylbenzene	14.68	105	1730839	2.469	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.68	83	804543	2.171	ppbv	99
64) n-propylbenzene	15.57	120	482086	2.350	ppbv	83
65) tert-Butylbenzene	16.75	119	1596535	2.505	ppbv	95
66) Benzyl Chloride	17.00	91	464113	2.404	ppbv	100
67) sec-Butylbenzene	17.30	105	2192861	2.492	ppbv	95
69) p-Isopropyltoluene	17.66	119	1773233	2.477	ppbv	95
70) n-Butylbenzene	18.56	91	1742155	2.363	ppbv	96
71) 2-Chlorotoluene	15.46	91	1253821	2.452	ppbv	98
72) 4-Ethyltoluene	15.84	105	1330292	2.485	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	1222662	2.417	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	1340088	2.350	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	839166	2.155	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	798631	2.146	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	815130	2.217	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	399282	1.968	ppbv	99
79) Naphthalene	22.22	128	883507	1.624	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	132030	1.029	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	508049	1.802	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1327679

Ion Ratio Lower Upper

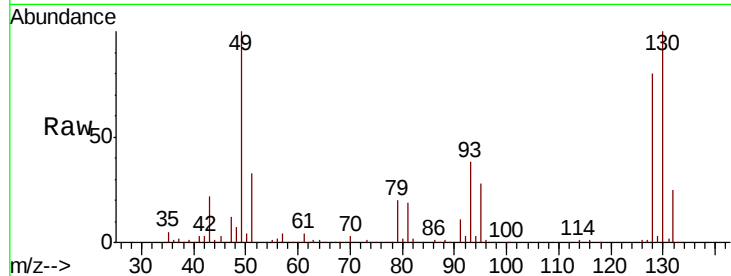
49 100

128 84.8 41.5 124.6

130 108.0 53.7 161.1

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 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

5.66

800000

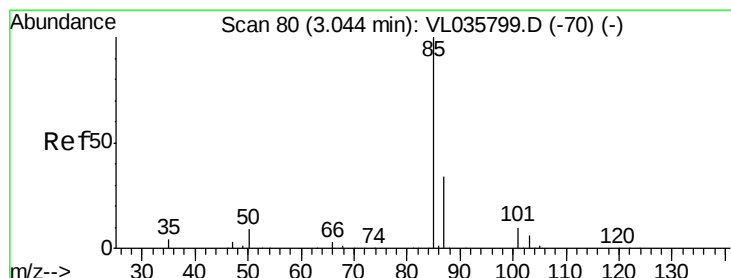
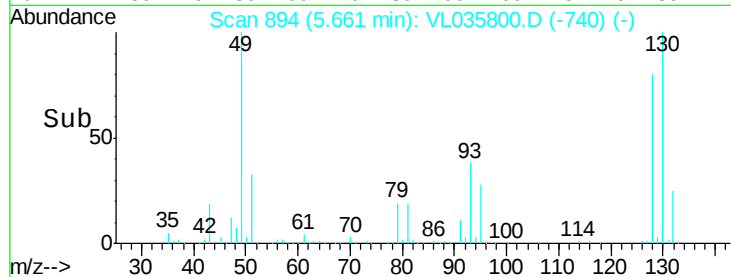
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.180 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035800.D

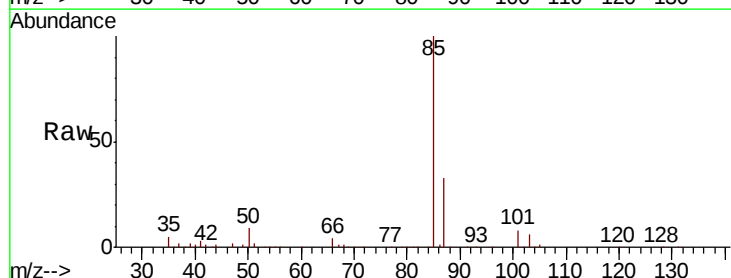
Acq: 3 Nov 2020 11:11

Tgt Ion: 85 Resp: 475002

Ion Ratio Lower Upper

85 100

87 33.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

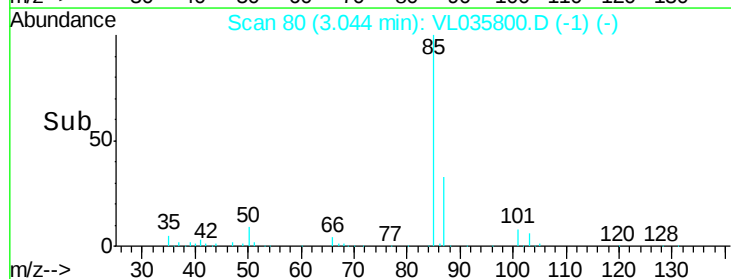
300000

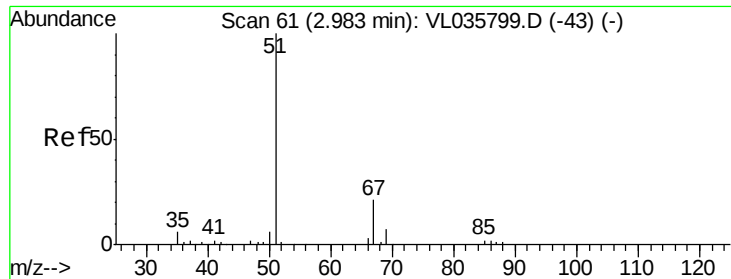
200000

100000

0

Time-->





#3

Chlorodifluoromethane

Concen: 2.345 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 334978

Ion Ratio Lower Upper

51 100

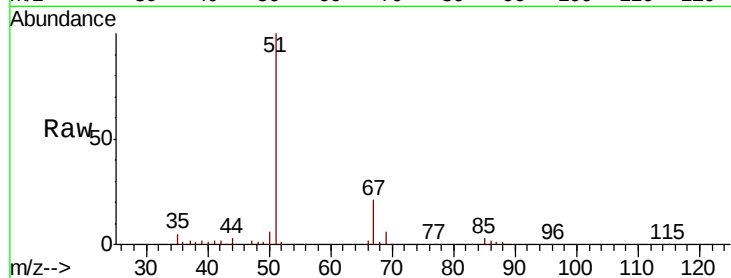
67 21.1 17.0 25.4

Manual Integrations

APPROVED

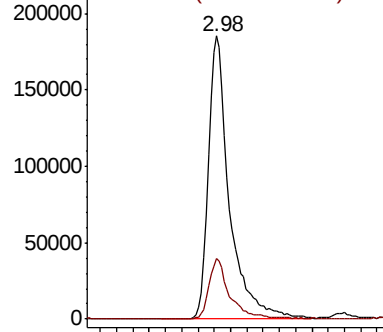
MMDadoda

11/5/2020 2:13:09 PM

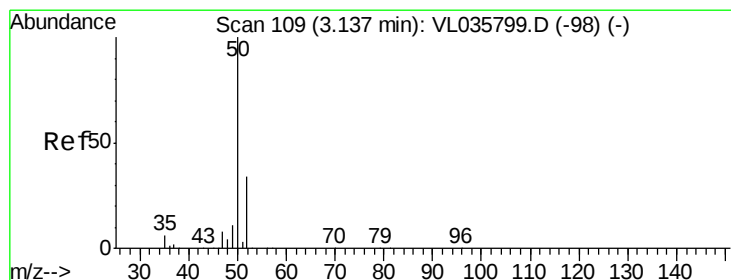
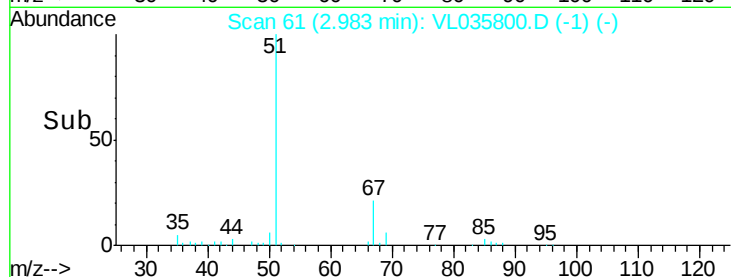


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 2.095 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035800.D

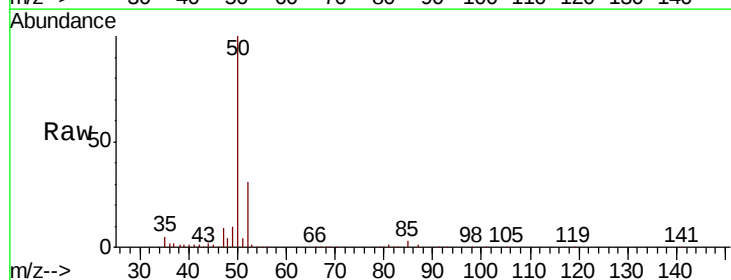
Acq: 3 Nov 2020 11:11

Tgt Ion: 50 Resp: 160716

Ion Ratio Lower Upper

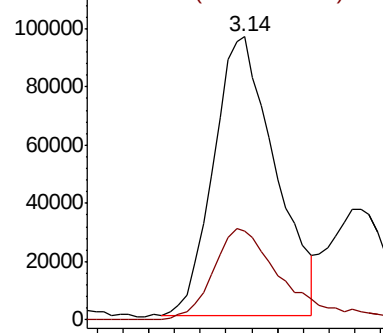
50 100

52 31.5 27.1 40.7

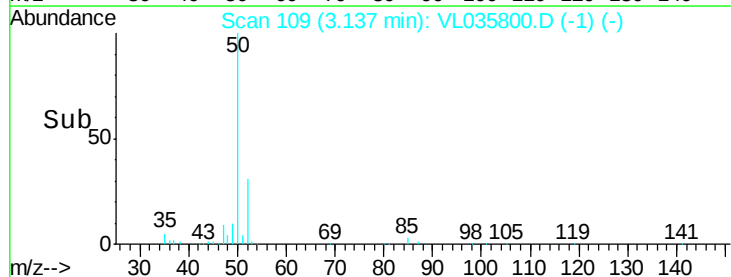


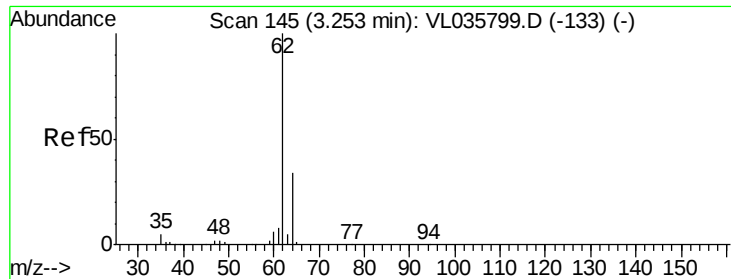
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 2.246 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 203843

Ion Ratio Lower Upper

62 100

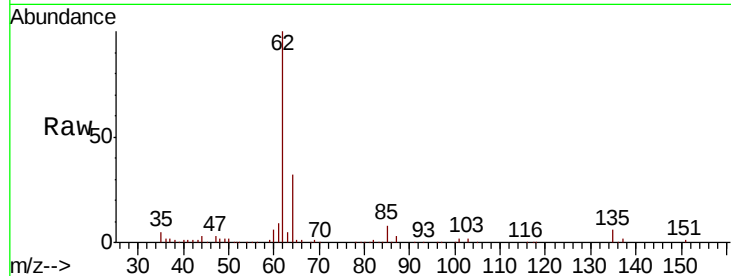
64 31.4 26.9 40.3

Manual Integrations

APPROVED

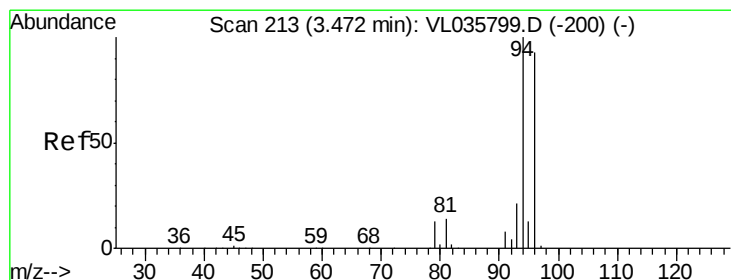
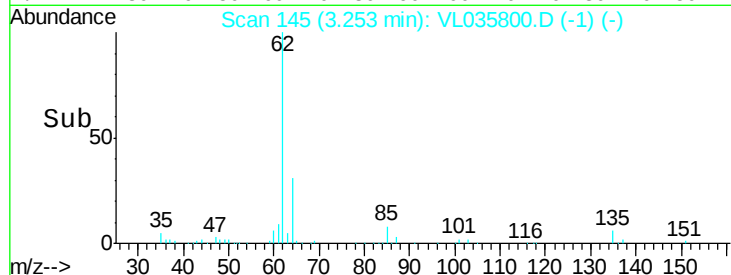
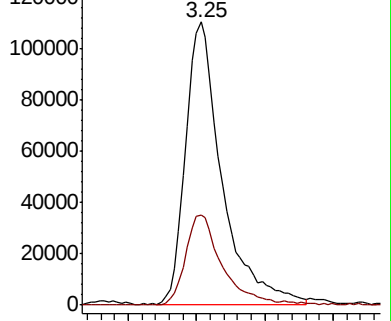
MMDadoda

11/5/2020 2:13:09 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.158 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035800.D

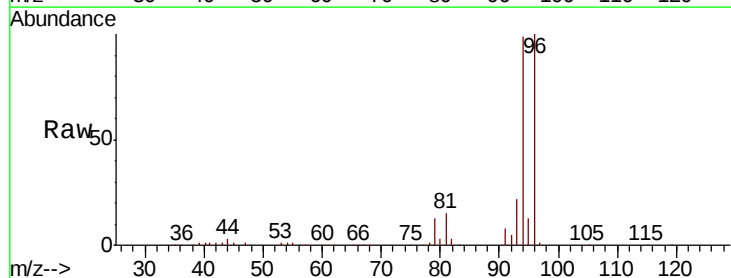
Acq: 3 Nov 2020 11:11

Tgt Ion: 94 Resp: 165592

Ion Ratio Lower Upper

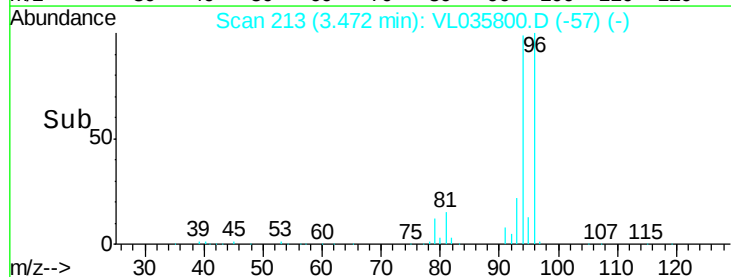
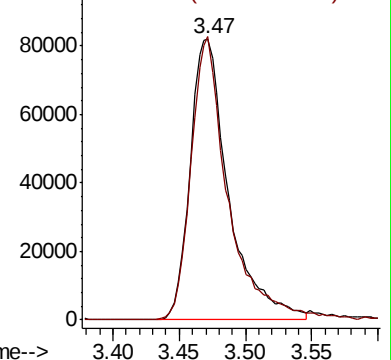
94 100

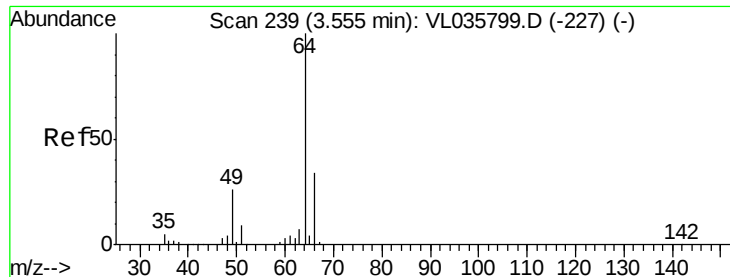
96 100.5 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.197 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 73123

Ion Ratio Lower Upper

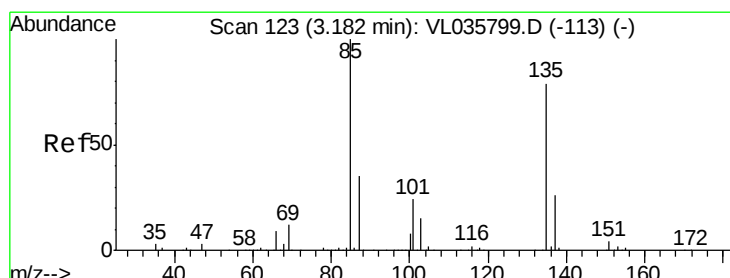
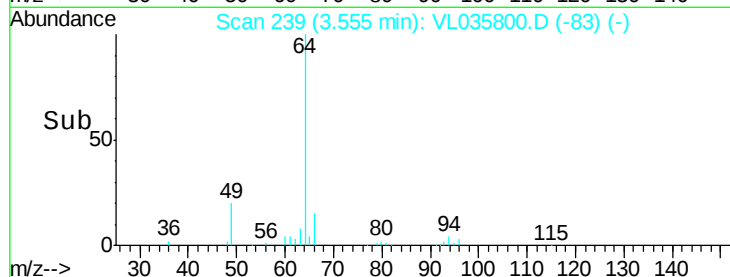
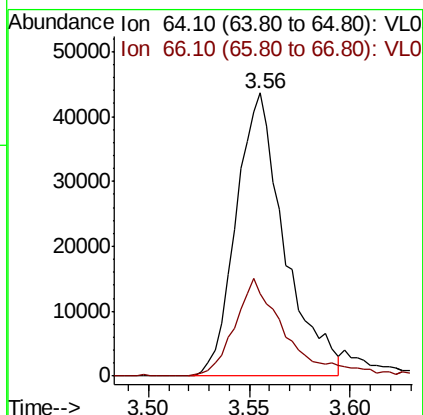
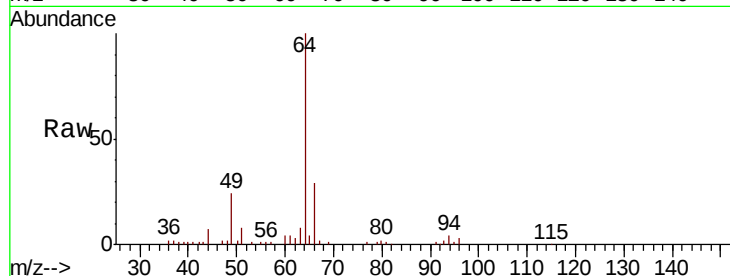
64 100

66 29.0 27.0 40.6

Manual Integrations
APPROVED

MMDadoda

11/5/2020 2:13:09 PM



#8

Dichlorotetrafluoroethane

Concen: 2.279 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035800.D

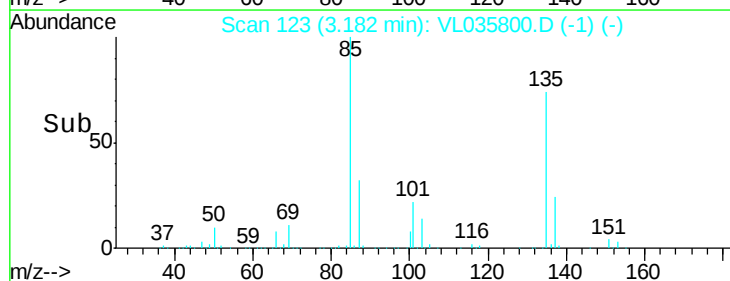
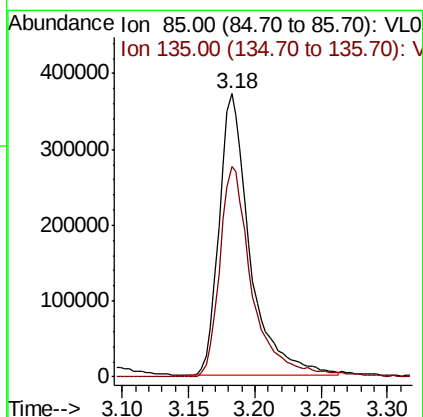
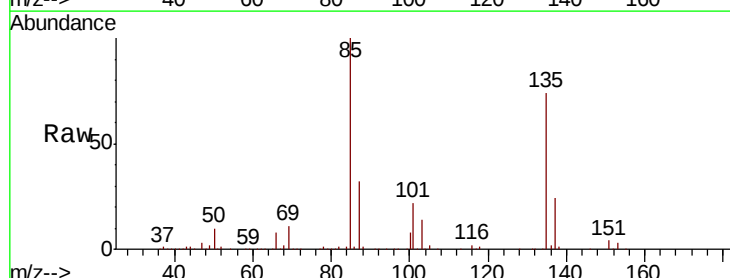
Acq: 3 Nov 2020 11:11

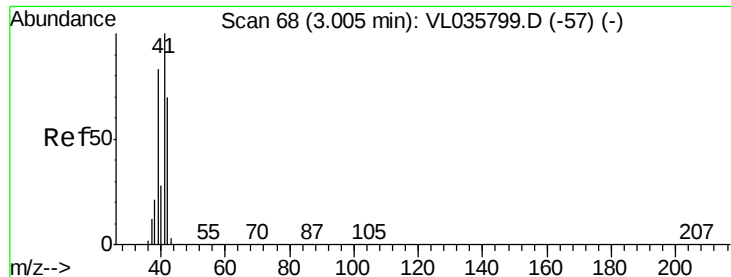
Tgt Ion: 85 Resp: 602125

Ion Ratio Lower Upper

85 100

135 79.3 64.6 96.8





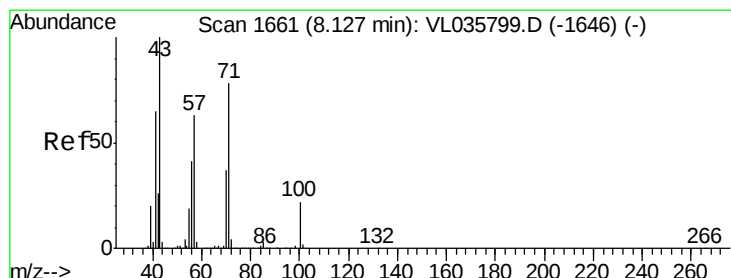
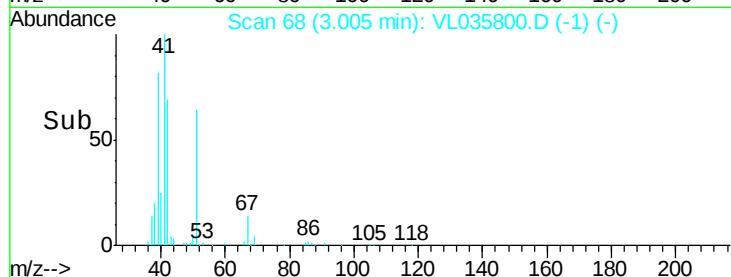
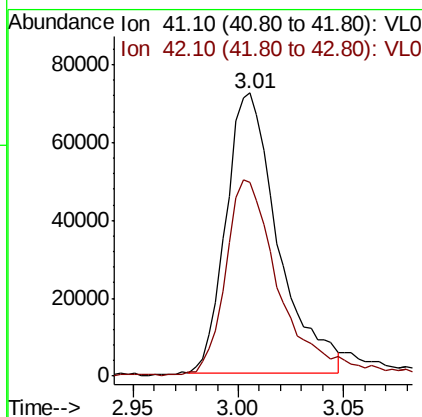
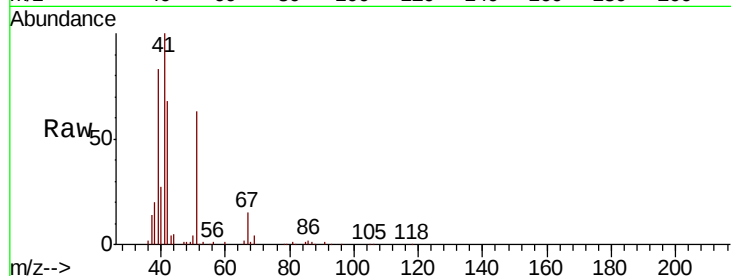
#9
 Propene
 Concen: 2.377 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	41	Resp	123253
Ion Ratio	41	100	
Lower	42	74.6	56.2
Upper			84.4

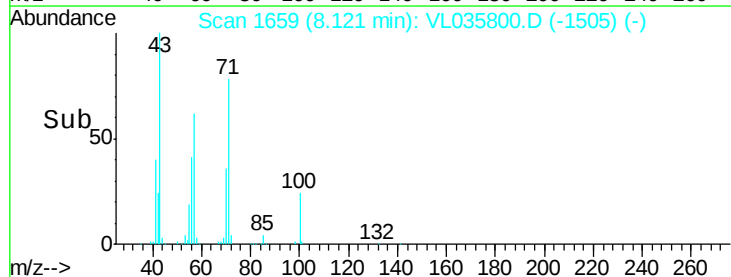
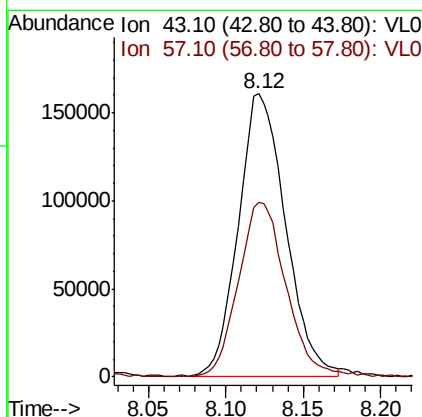
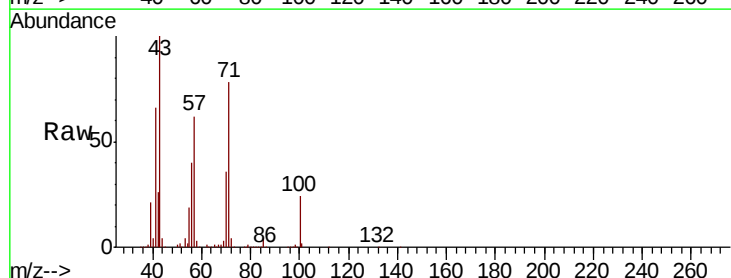
Manual Integrations
 APPROVED

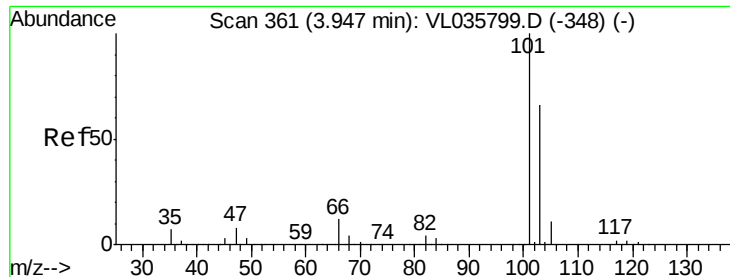
MMDadoda
 11/5/2020 2:13:09 PM



#10
 Heptane
 Concen: 2.349 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion	43	Resp	339681
Ion Ratio	43	100	
Lower	57	63.2	50.0
Upper			75.0





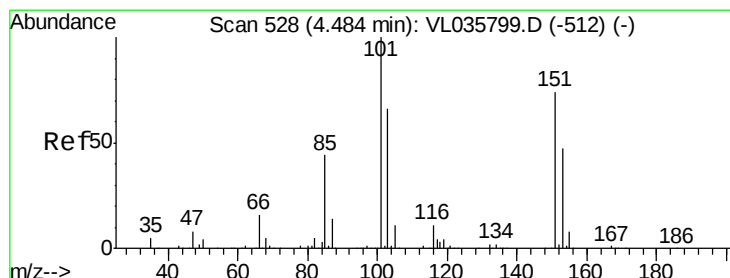
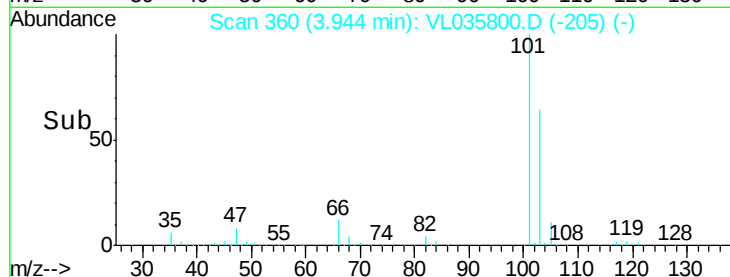
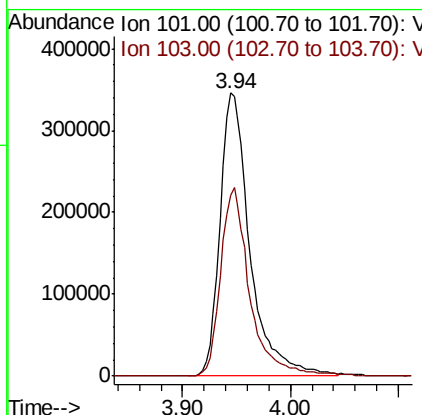
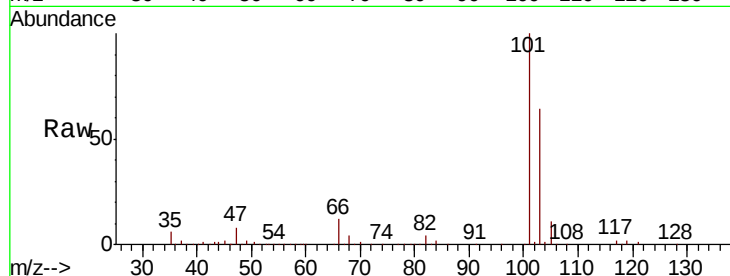
#11
 Trichlorofluoromethane
 Concen: 2.153 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:101 Resp: 669187
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.0 79.4

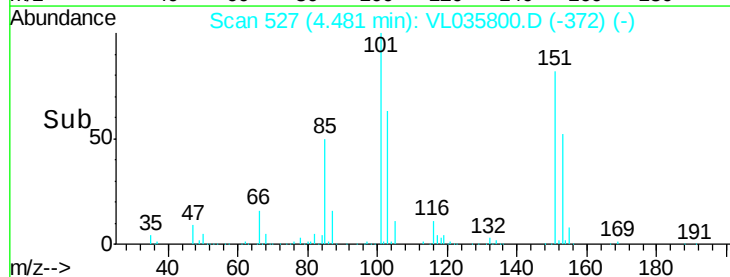
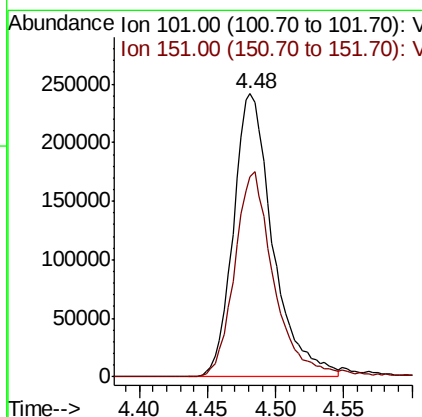
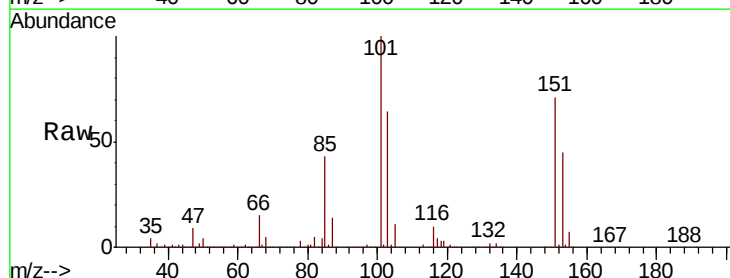
Manual Integrations
 APPROVED

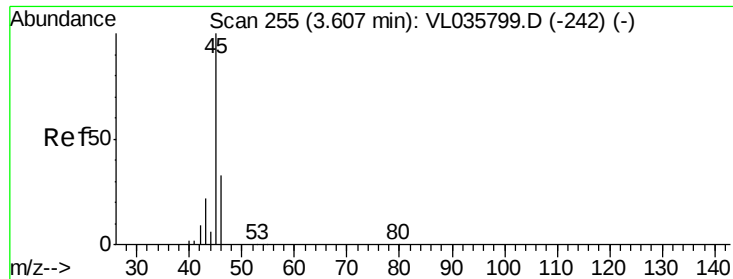
MMDadoda
 11/5/2020 2:13:09 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.096 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion:101 Resp: 485712
 Ion Ratio Lower Upper
 101 100
 151 73.4 58.9 88.3





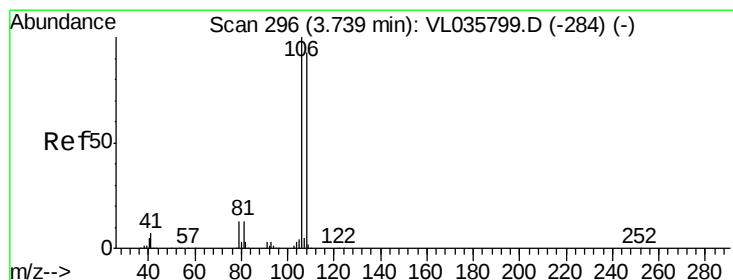
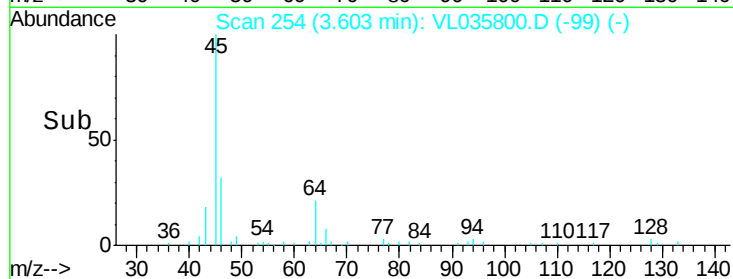
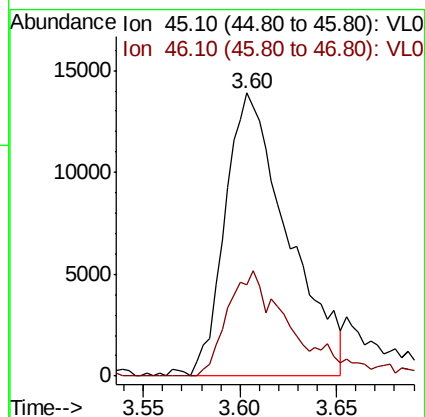
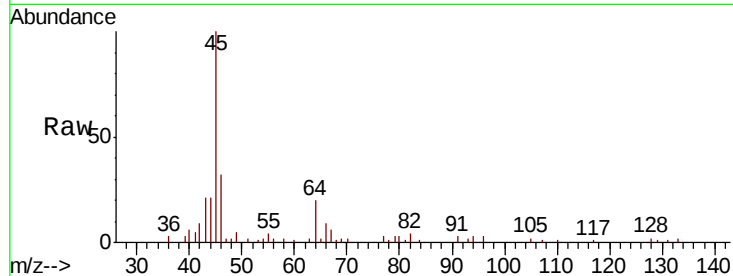
#13
Ethanol
Concen: 2.451 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 31352
Ion Ratio Lower Upper
45 100
46 39.2 16.1 64.5

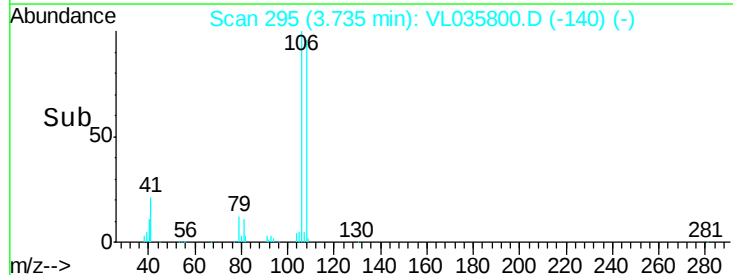
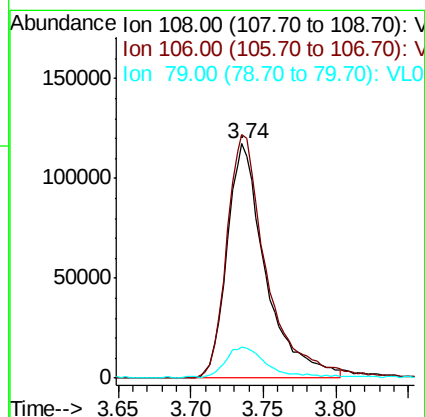
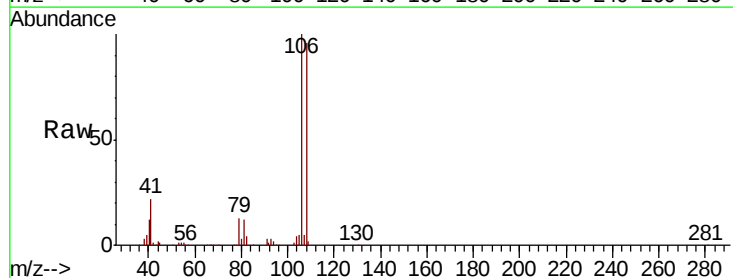
Manual Integrations
APPROVED

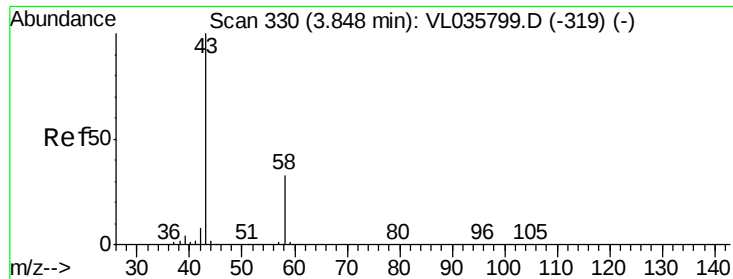
MMDadoda
11/5/2020 2:13:09 PM



#14
Bromoethene
Concen: 2.224 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 108 Resp: 217044
Ion Ratio Lower Upper
108 100
106 108.6 85.3 127.9
79 14.7 11.6 17.4





#15

Acetone

Concen: 2.141 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 305849

Ion Ratio Lower Upper

43 100

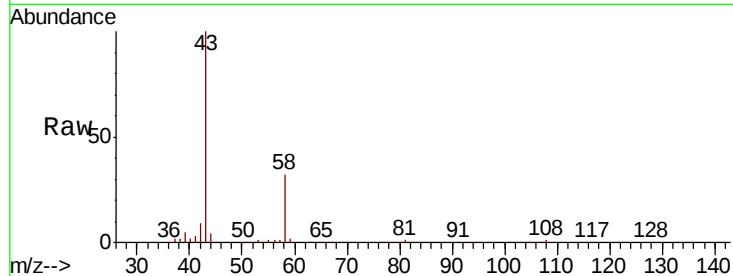
58 40.9 27.5 41.3

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:13:09 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

150000

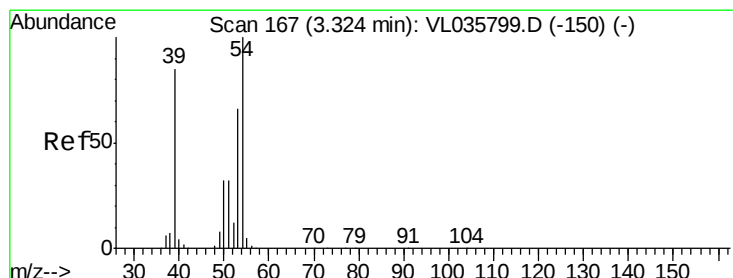
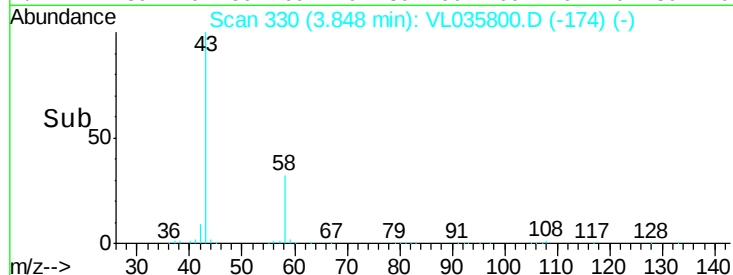
100000

50000

0

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 2.506 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035800.D

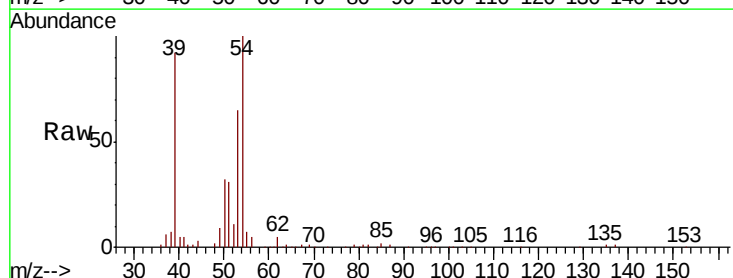
Acq: 3 Nov 2020 11:11

Tgt Ion: 39 Resp: 130965

Ion Ratio Lower Upper

39 100

54 109.3 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

80000

60000

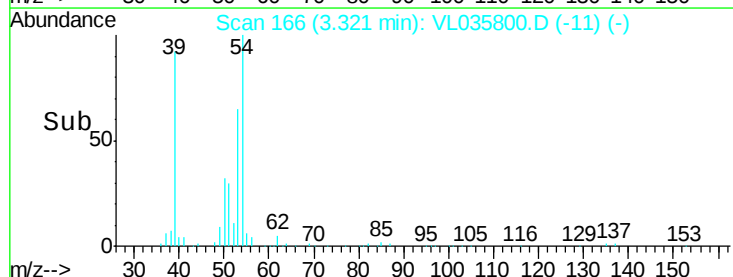
40000

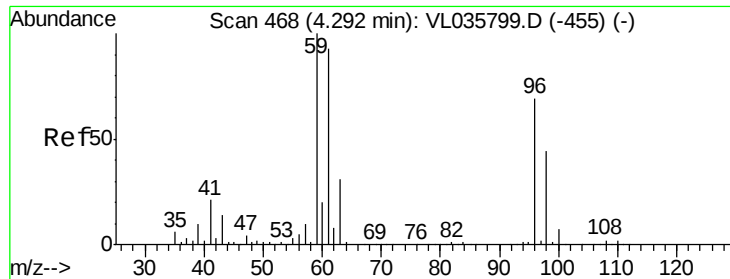
20000

0

3.25 3.30 3.35 3.40

Time-->





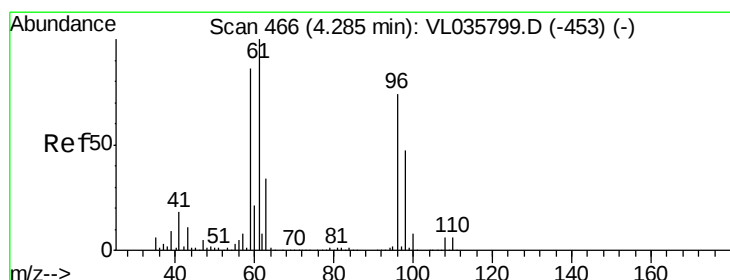
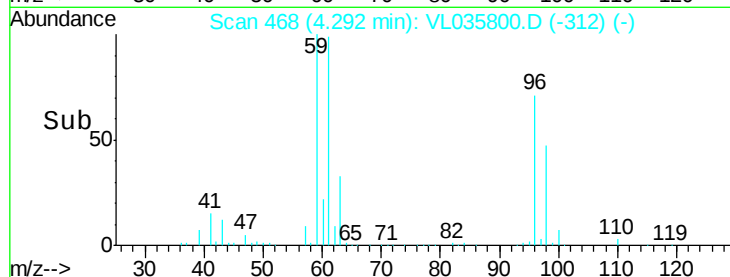
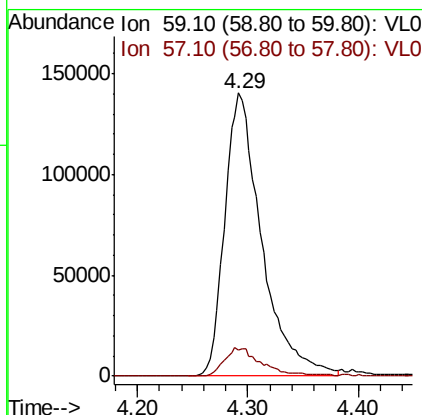
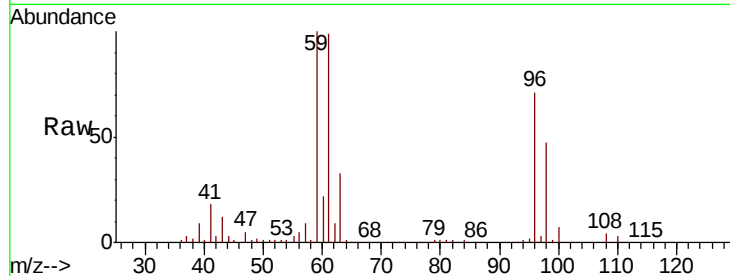
#17
tert-Butyl alcohol
Concen: 2.097 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 59 Resp: 326286
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

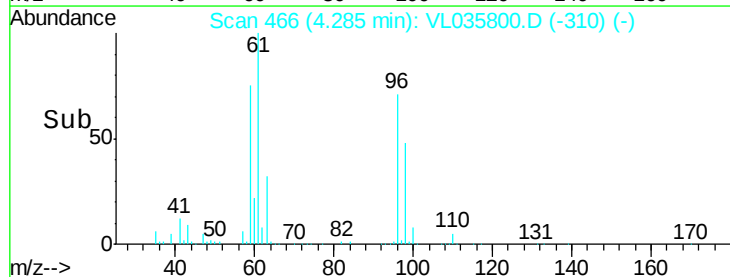
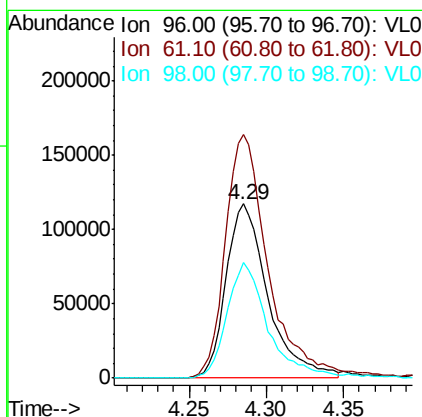
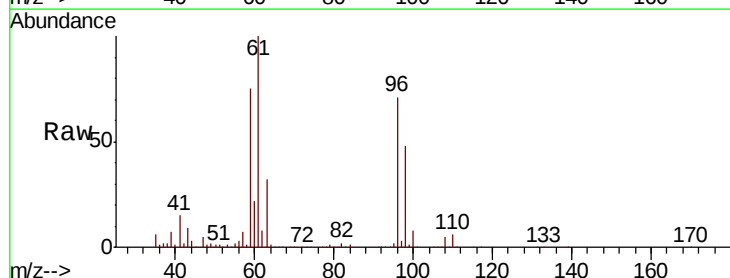
Manual Integrations
APPROVED

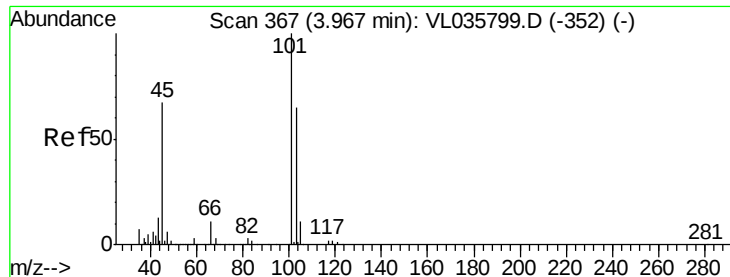
MMDadoda
11/5/2020 2:13:09 PM



#18
1,1-Dichloroethene
Concen: 2.173 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 96 Resp: 220424
Ion Ratio Lower Upper
96 100
61 139.6 108.5 162.7
98 66.3 50.7 76.1





#19

Isopropyl Alcohol

Concen: 2.050 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 159284

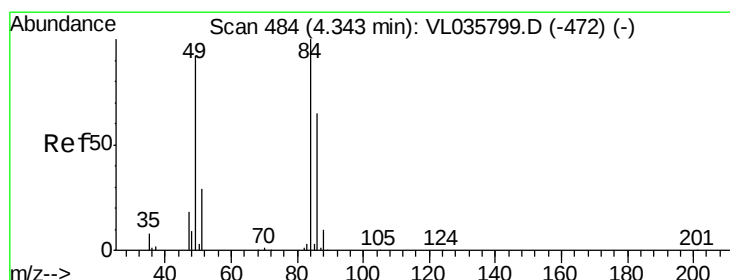
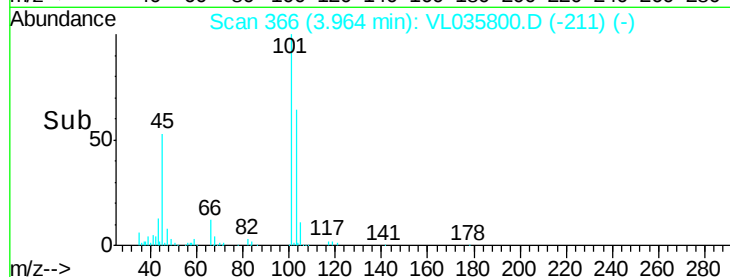
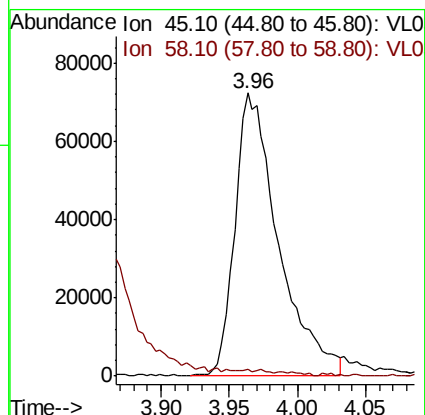
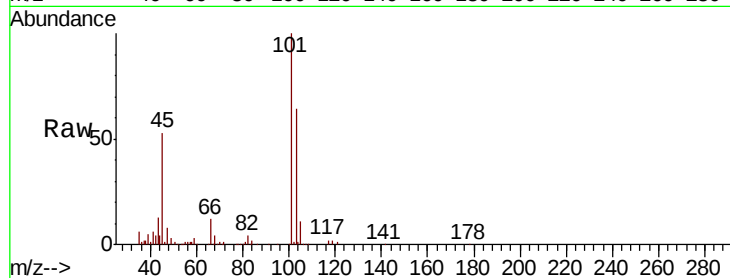
Ion Ratio Lower Upper

45 100

58 2.3 2.6 3.8#

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 PM



#20

Methylene Chloride

Concen: 1.918 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion: 84 Resp: 201237

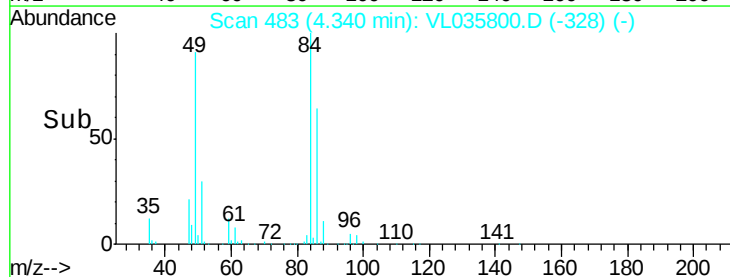
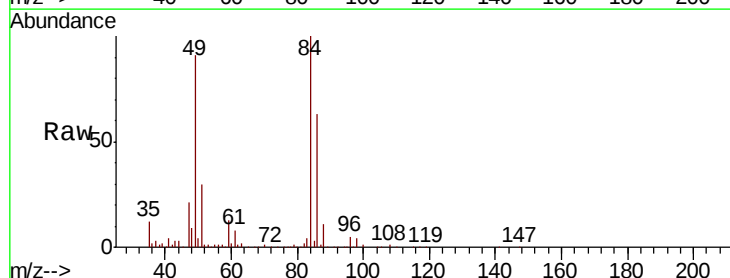
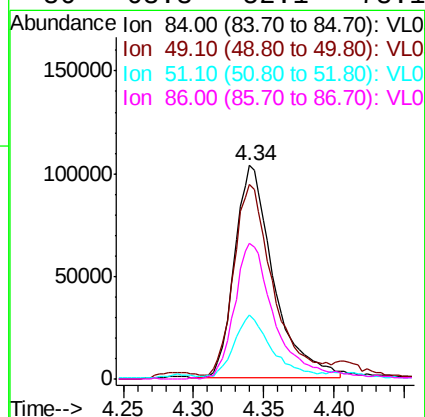
Ion Ratio Lower Upper

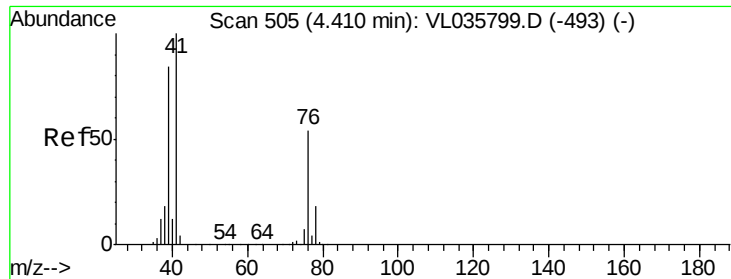
84 100

49 89.3 73.8 110.8

51 28.7 23.0 34.4

86 63.3 52.1 78.1





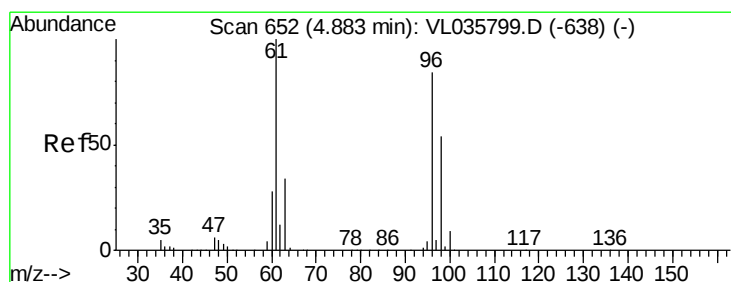
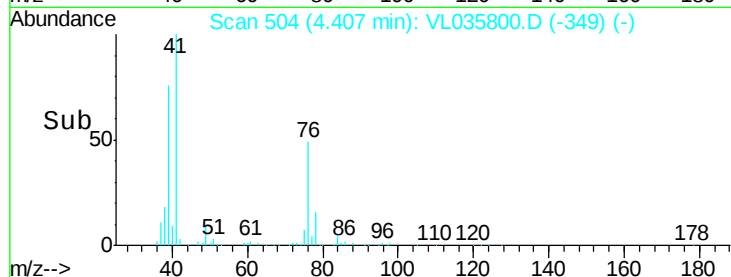
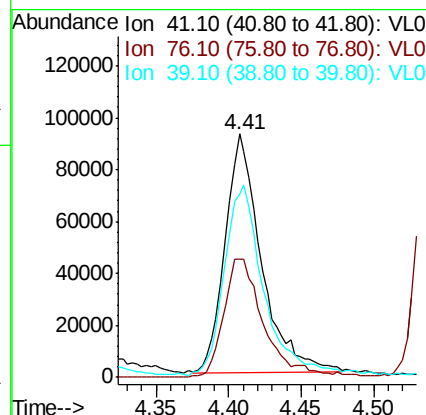
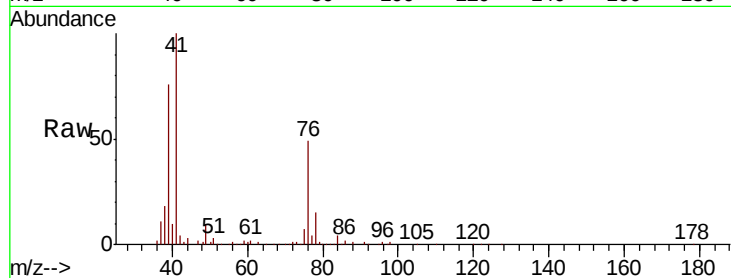
#21
Allvl Chloride
Concen: 2.317 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.0	42.6	63.8
39	86.2	67.0	100.4

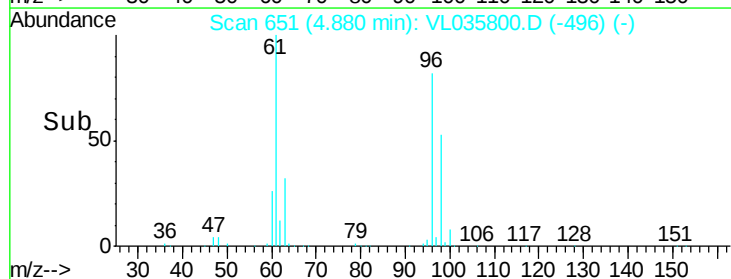
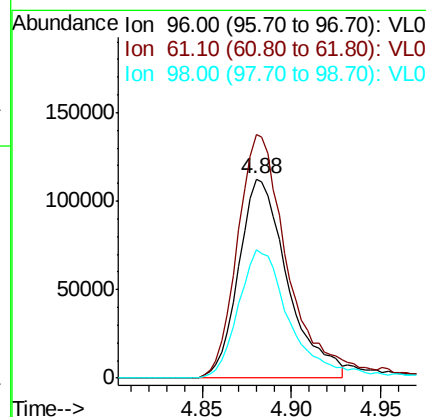
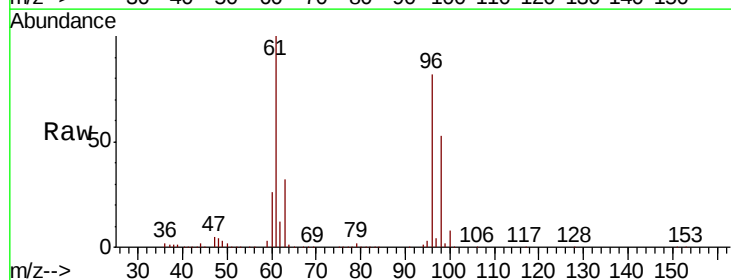
Manual Integrations
APPROVED

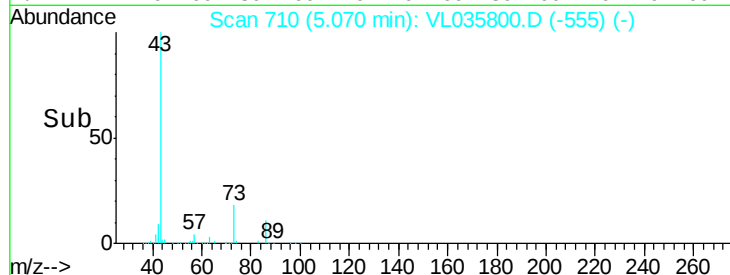
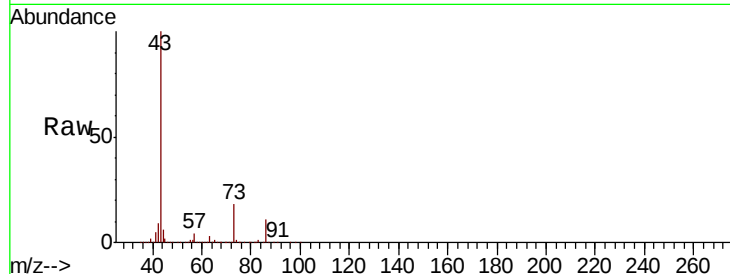
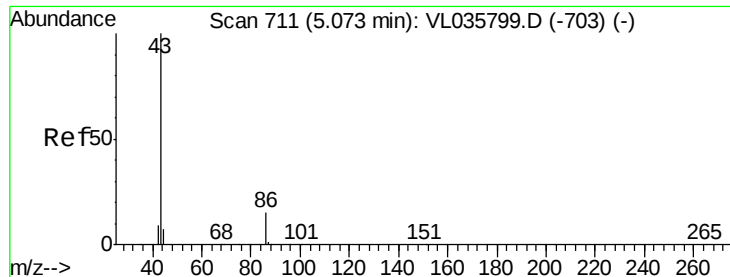
MMDadoda
11/5/2020 2:13:09 PM



#22
trans-1,2-Dichloroethene
Concen: 1.996 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.6	95.4	143.0
98	64.9	51.8	77.6





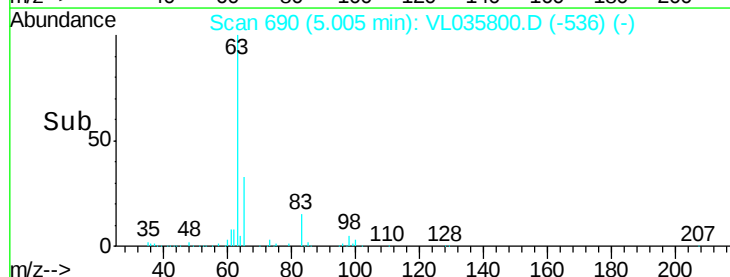
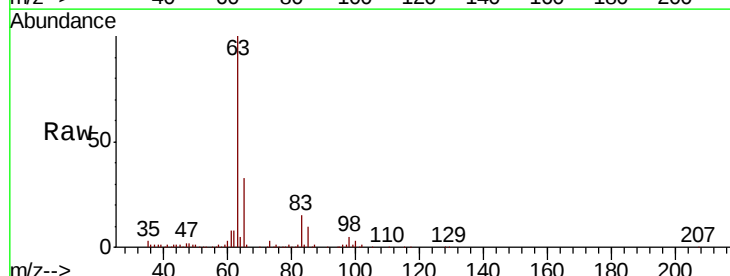
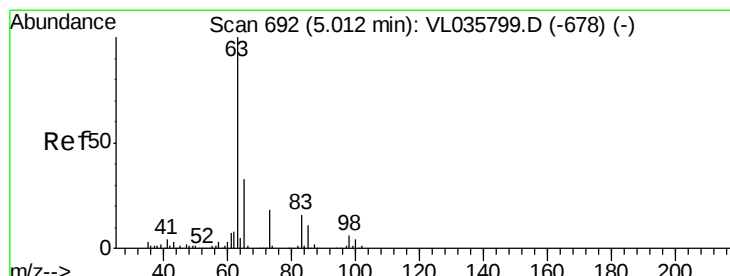
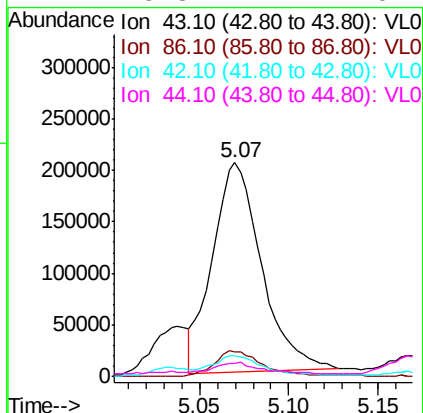
#23
 Vinyl Acetate
 Concen: 2.227 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tot Ion	43	Resp	389635
Ion Ratio	Lower	Upper	
43	100		
86	11.3	9.8	14.6
42	9.0	8.1	12.1
44	5.3	4.2	6.4

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

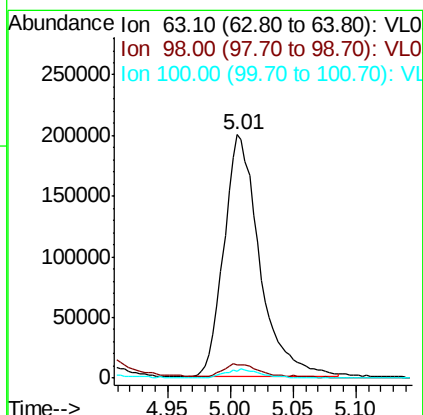
Manual Integrations
 APPROVED

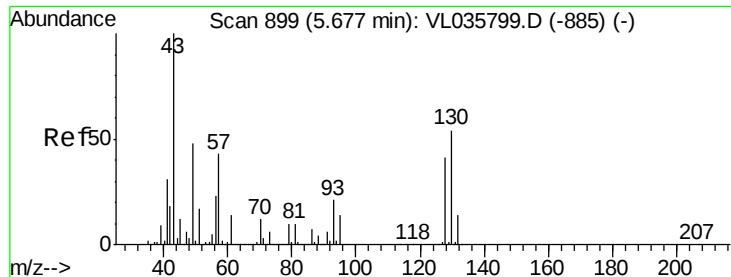
MMDadoda
 11/5/2020 2:13:09 PM



#24
 1,1-Dichloroethane
 Concen: 2.084 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion	63	Resp	397254
Ion Ratio	Lower	Upper	
63	100		
98	5.1	3.0	9.2
100	2.9	1.8	5.4





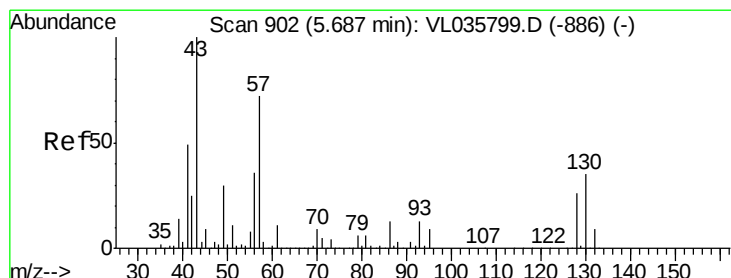
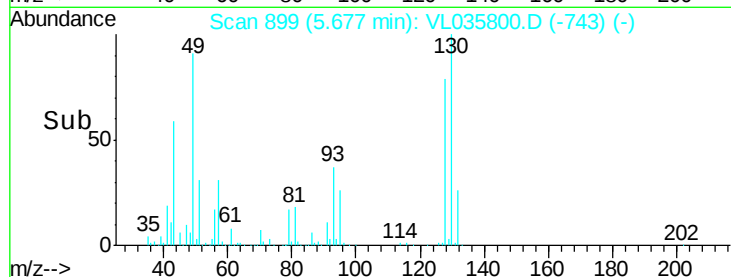
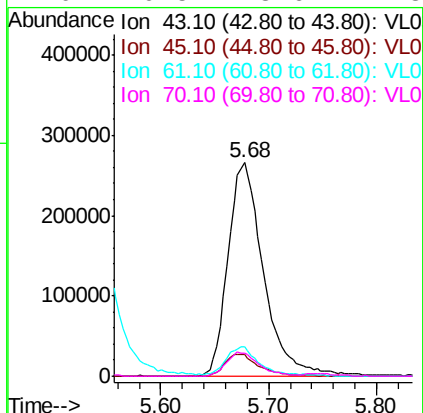
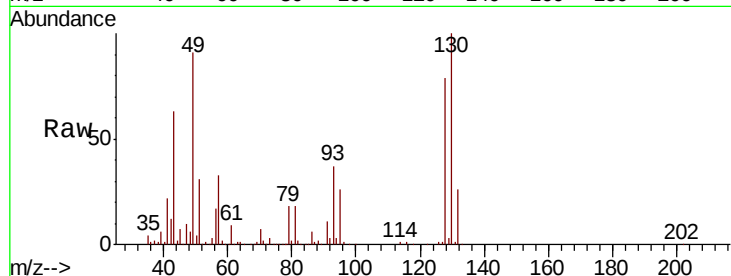
#25
Ethyl Acetate
Concen: 2.363 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.6	8.5	12.7	
61	13.2	10.7	16.1	
70	10.5	8.6	12.8	

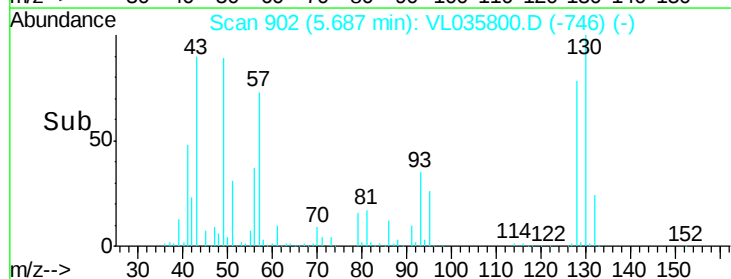
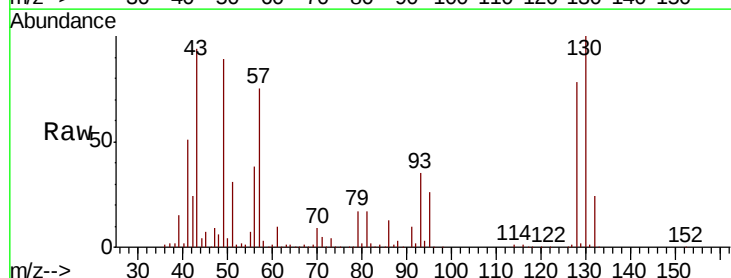
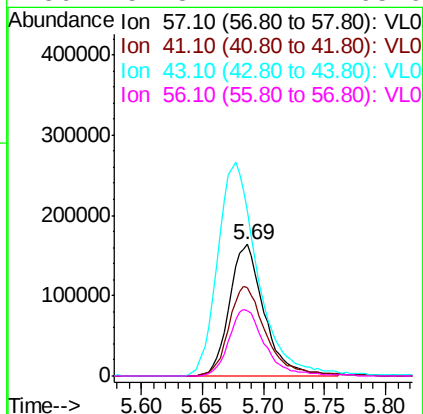
Manual Integrations
APPROVED

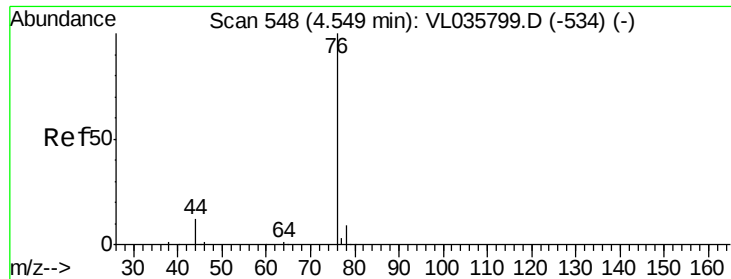
MMDadoda
11/5/2020 2:13:09 PM



#26
Hexane
Concen: 2.309 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	72.4	58.9	88.3	
43	189.3	150.2	225.2	
56	52.8	42.4	63.6	





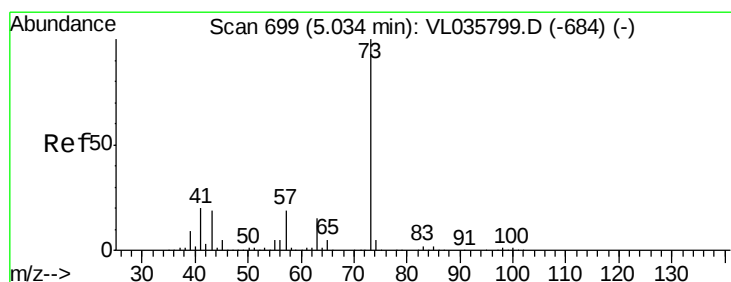
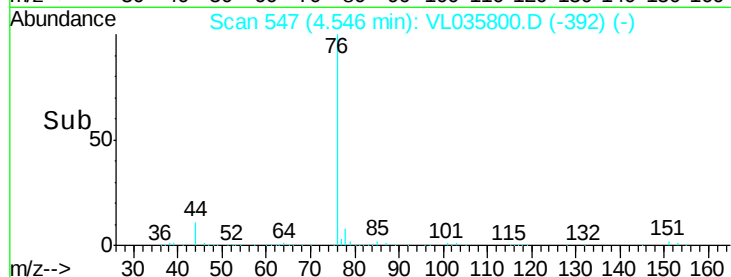
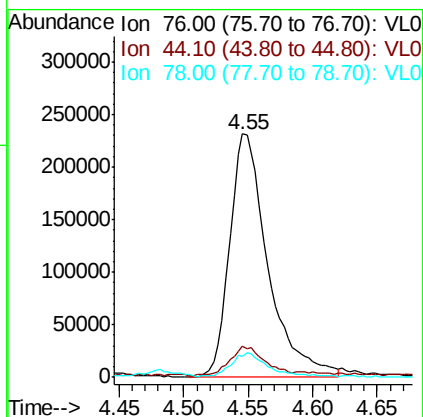
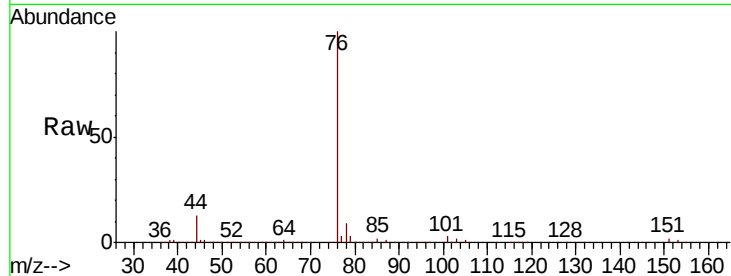
#27
Carbon Disulfide
Concen: 2.267 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	13.2	9.9	14.9
78	9.7	8.1	12.1

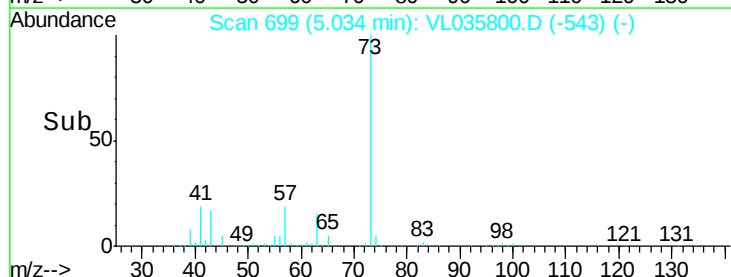
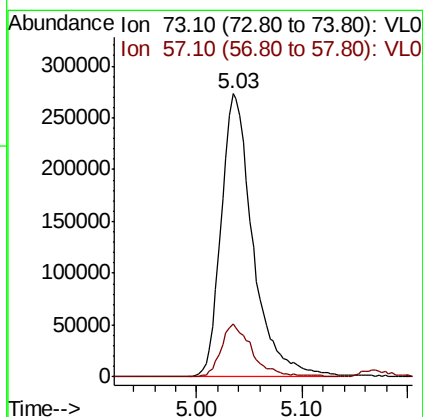
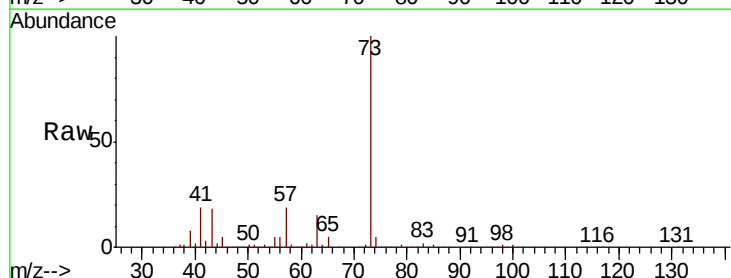
Manual Integrations
APPROVED

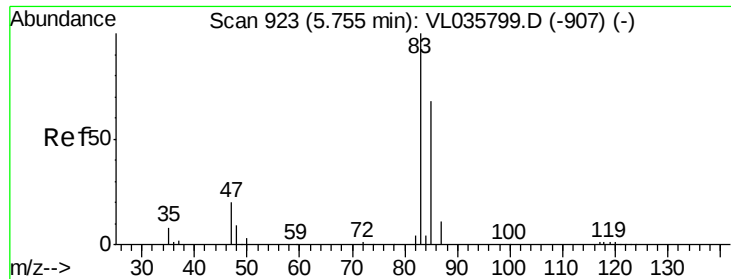
MMDadoda
11/5/2020 2:13:09 PM



#28
Methyl tert-Butyl Ether
Concen: 2.560 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.4	15.4	23.2





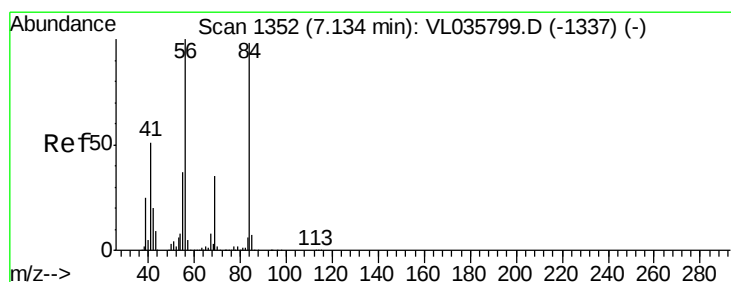
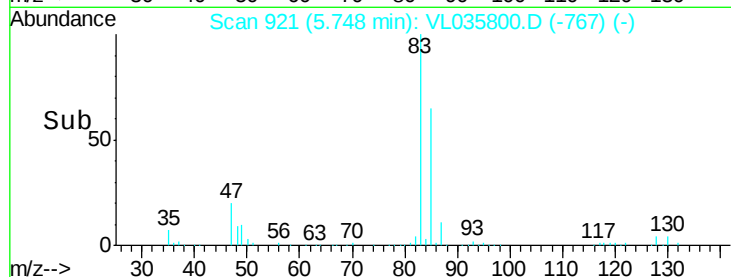
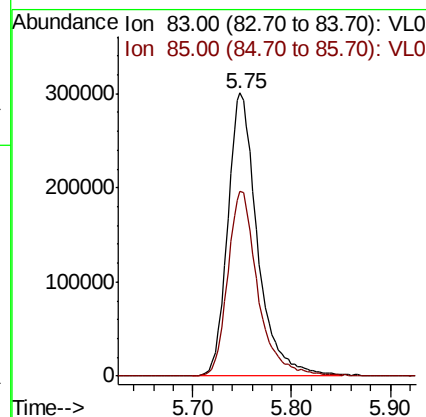
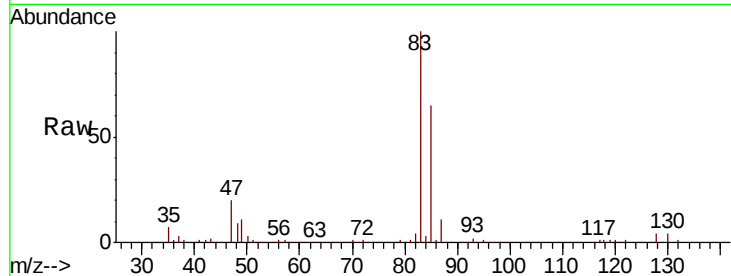
#29
Chloroform
Concen: 2.217 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.6	81.8

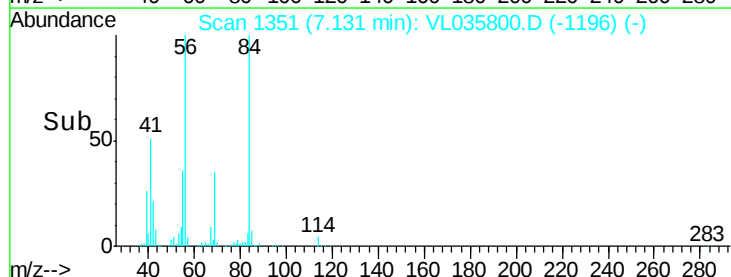
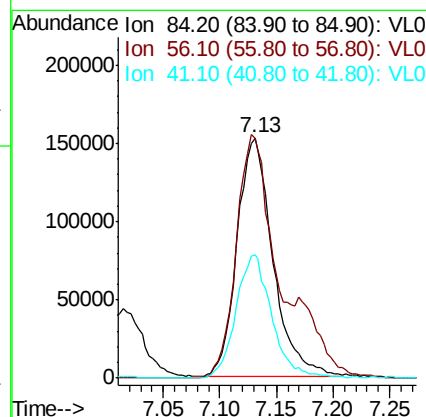
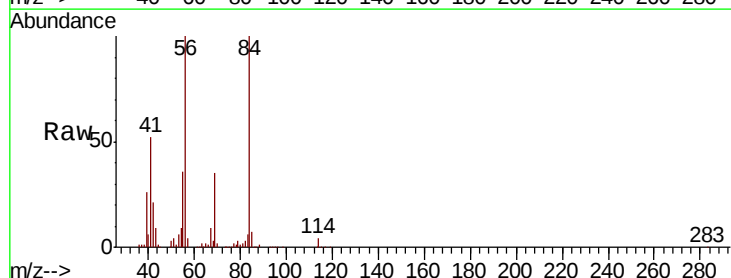
Manual Integrations
APPROVED

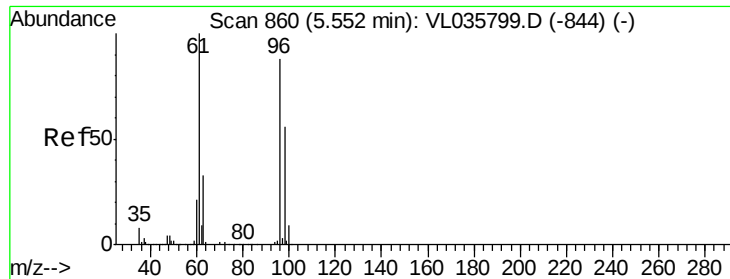
MMDadoda
11/5/2020 2:13:09 PM



#30
Cyclohexane
Concen: 2.436 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
84	100		
56	126.5	86.4	129.6
41	51.6	42.1	63.1





#31

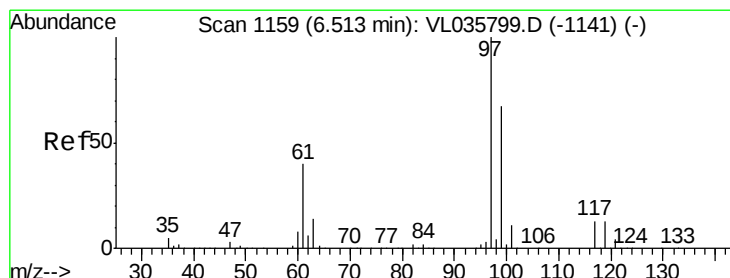
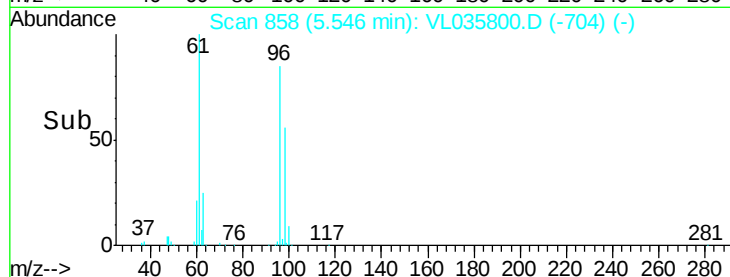
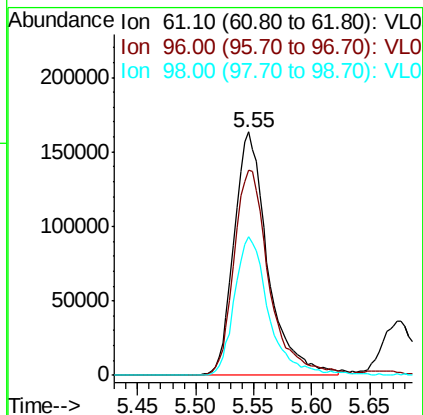
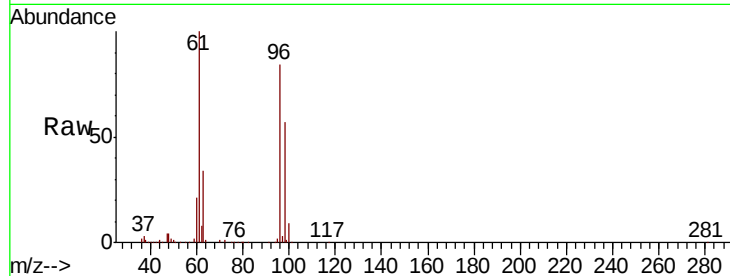
cis-1,2-Dichloroethene
Concen: 2.431 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	84.4	70.3	105.5
98	56.9	45.0	67.6

Manual Integrations
APPROVED

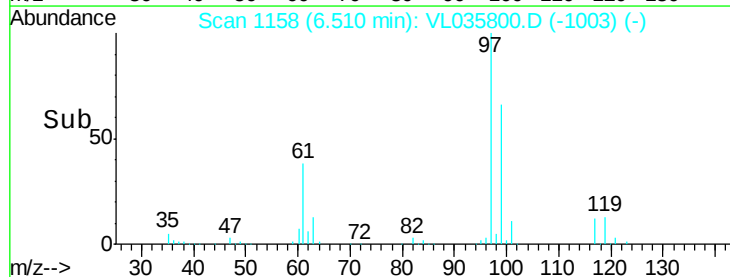
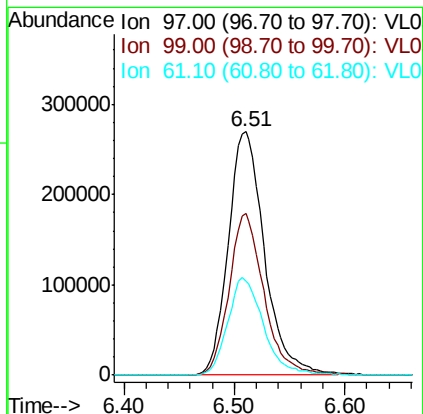
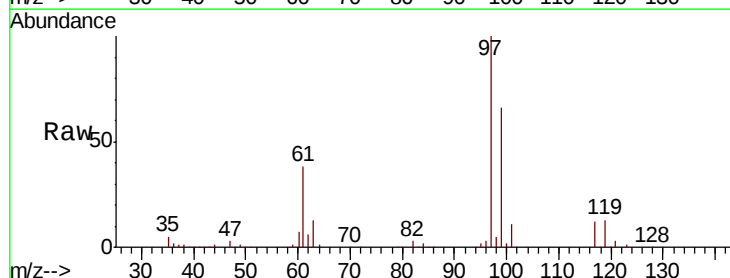
MMDadoda
11/5/2020 2:13:09 PM

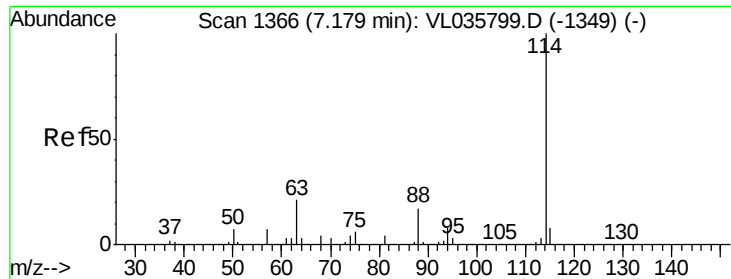


#32

1,1,1-Trichloroethane
Concen: 2.439 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	39.7	32.0	48.0





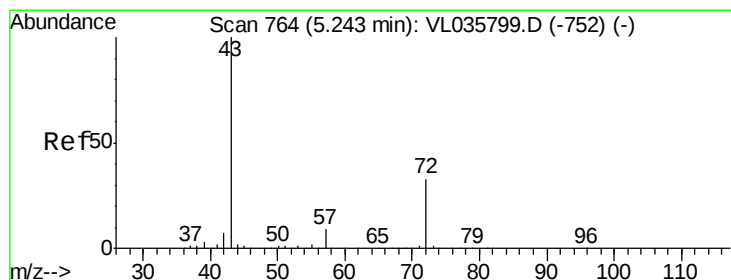
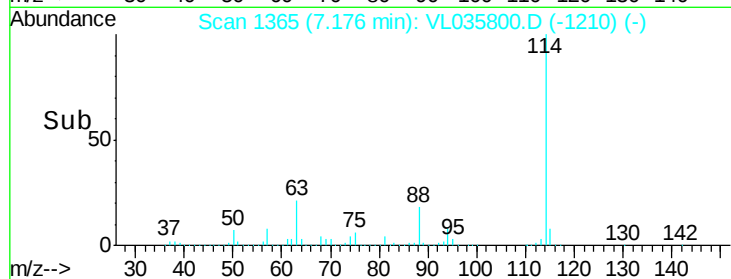
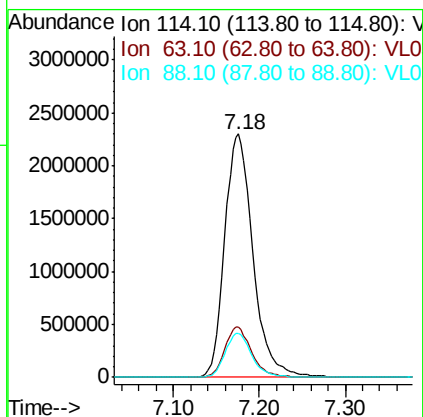
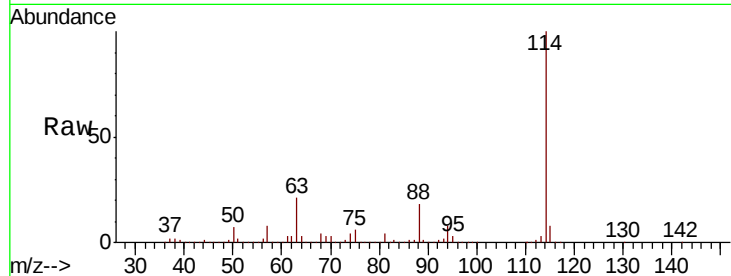
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 5258122
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.1 24.1
 88 17.3 13.7 20.5

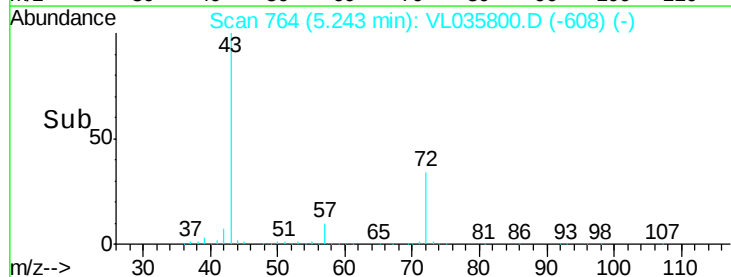
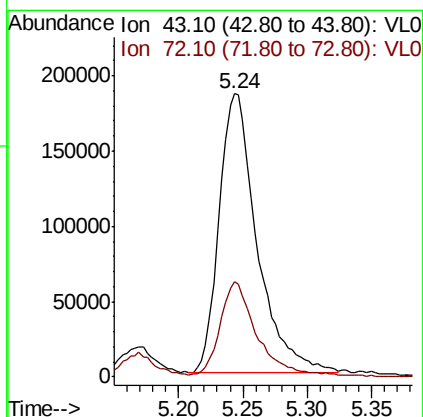
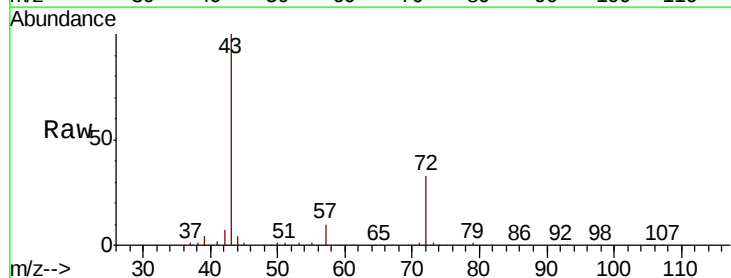
Manual Integrations
 APPROVED

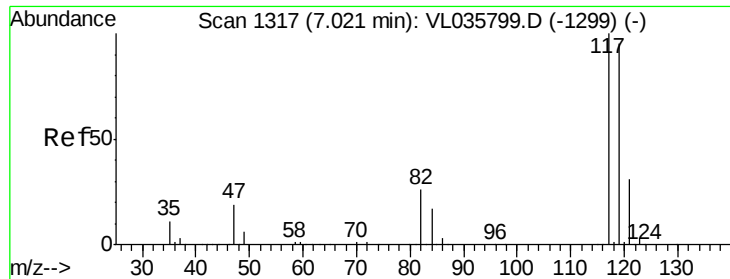
MMDadoda
 11/5/2020 2:13:09 PM



#34
 2-Butanone
 Concen: 2.164 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 43 Resp: 376439
 Ion Ratio Lower Upper
 43 100
 72 34.6 26.5 39.7





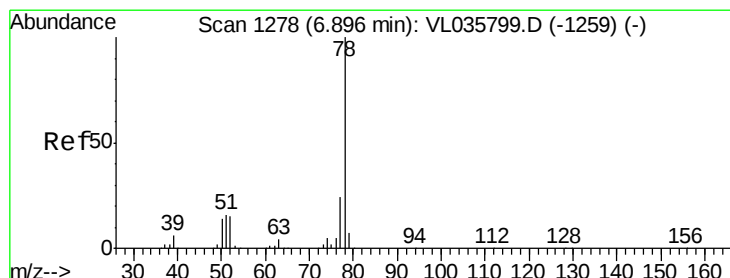
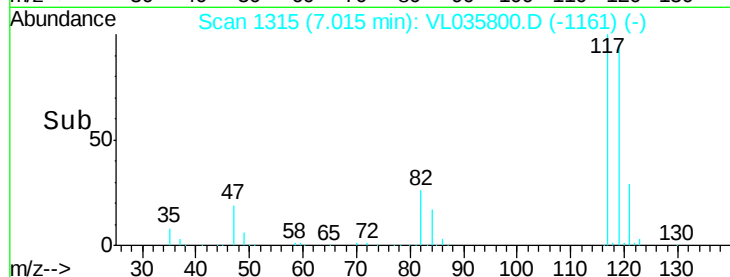
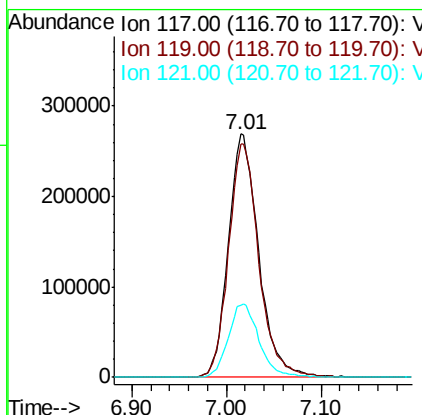
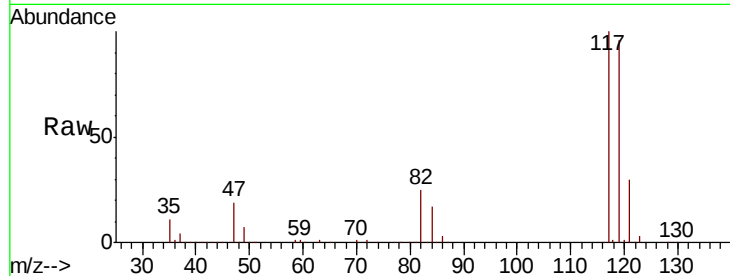
#35
Carbon Tetrachloride
Concen: 2.183 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.6	113.4
121	29.7	25.1	37.7

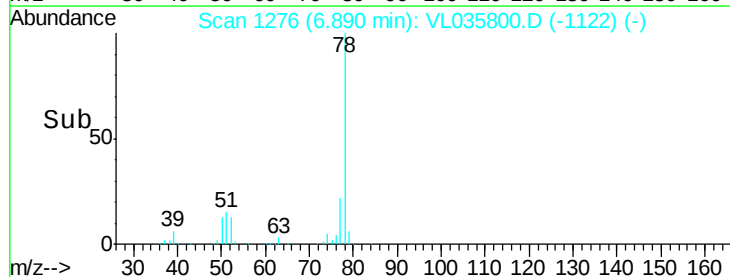
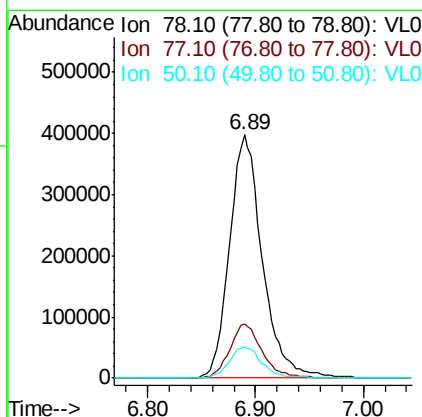
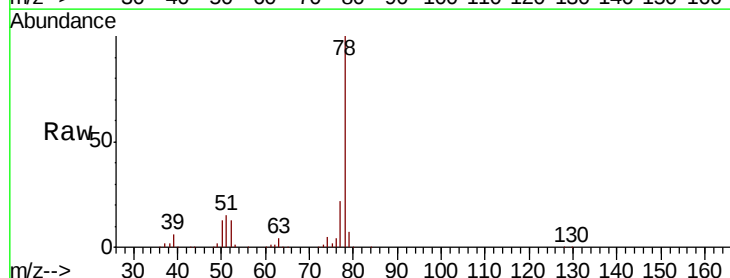
Manual Integrations
APPROVED

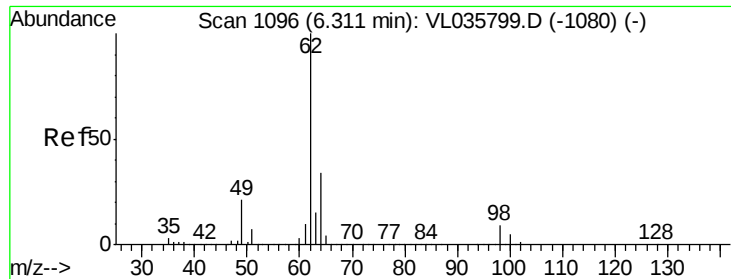
MMDadoda
11/5/2020 2:13:09 PM



#36
Benzene
Concen: 2.450 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.3	28.9
50	12.6	11.4	17.2





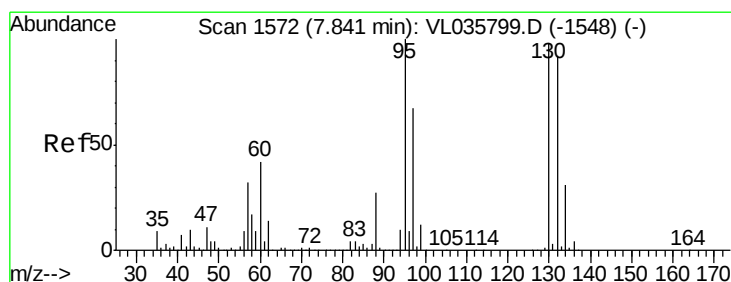
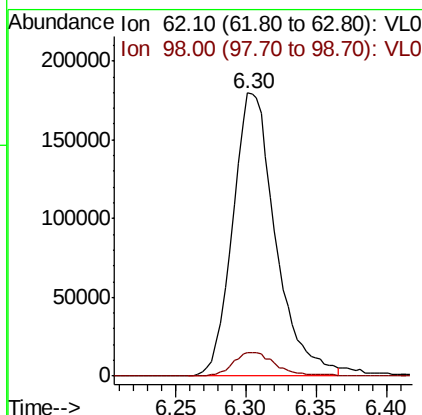
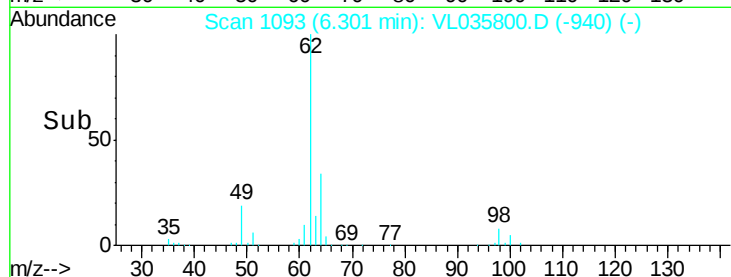
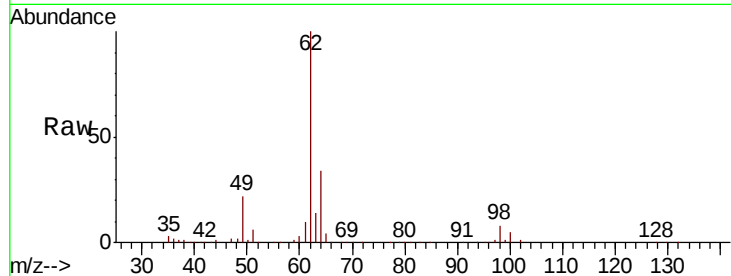
#37
 1,2-Dichloroethane
 Concen: 2.135 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.9	10.3

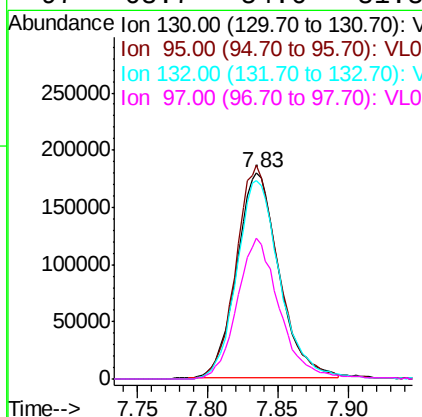
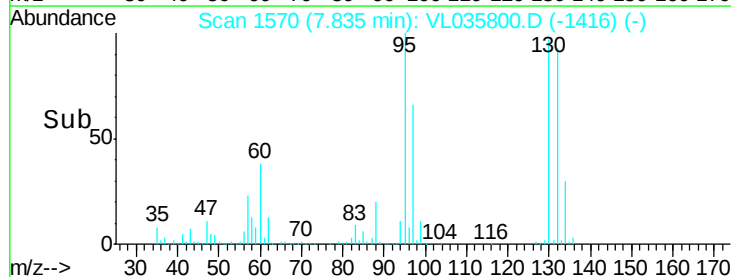
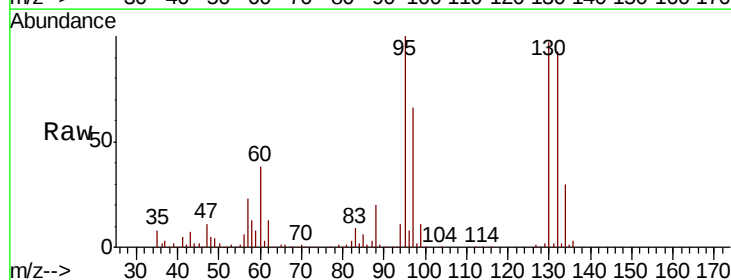
Manual Integrations
 APPROVED

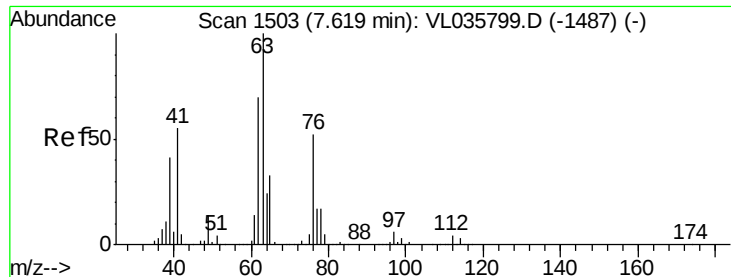
MMDadoda
 11/5/2020 2:13:09 PM



#38
 Trichloroethene
 Concen: 2.217 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	81.6	122.4
132	96.7	75.1	112.7
97	68.7	54.6	81.8





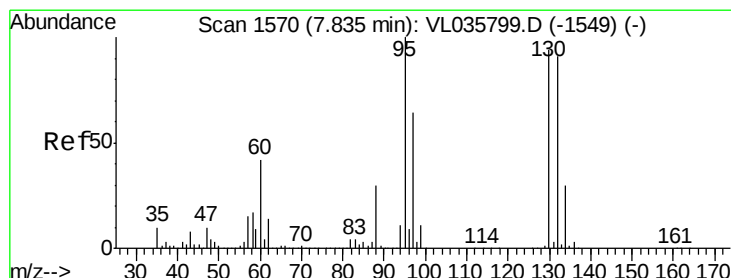
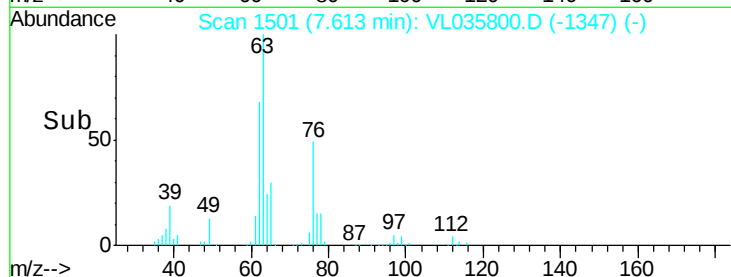
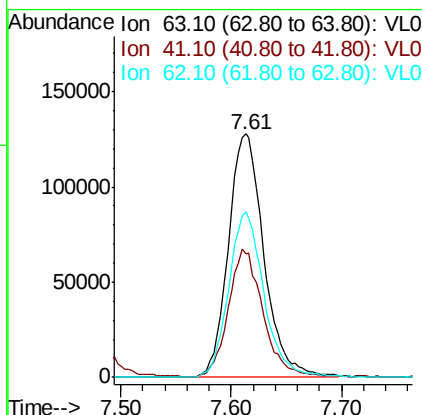
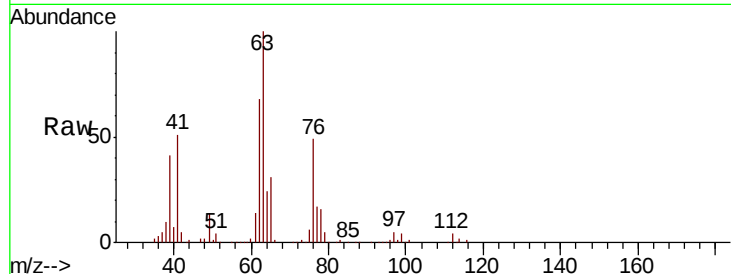
#39
 1,2-Dichloropropane
 Concen: 2.297 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	50.2	43.8	65.6
62	68.1	56.2	84.2

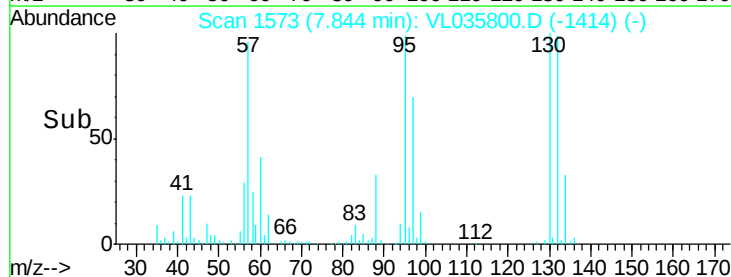
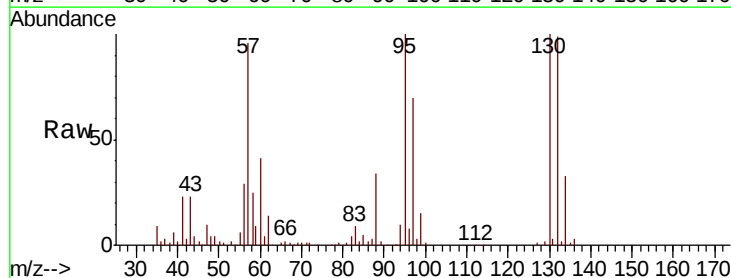
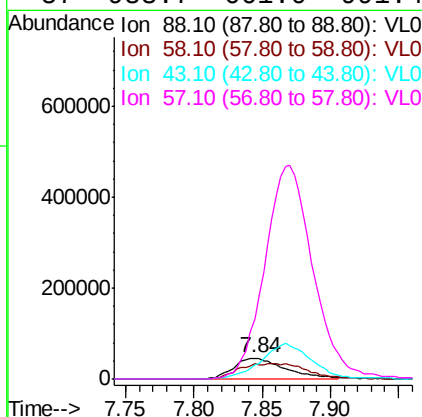
Manual Integrations
 APPROVED

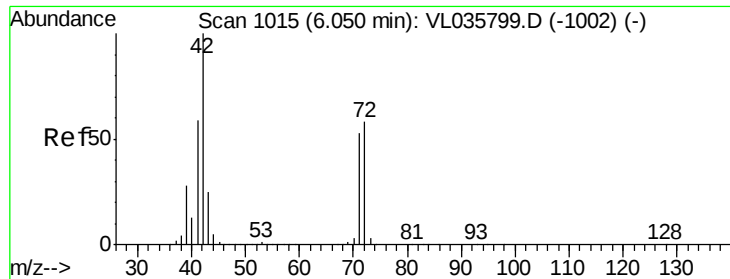
MMDadoda
 11/5/2020 2:13:09 PM



#40
 1,4-Dioxane
 Concen: 2.079 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	103.0	76.2	114.2
43	171.9	123.1	184.7
57	983.7	661.0	991.4





#41

Tetrahydrofuran

Concen: 2.419 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

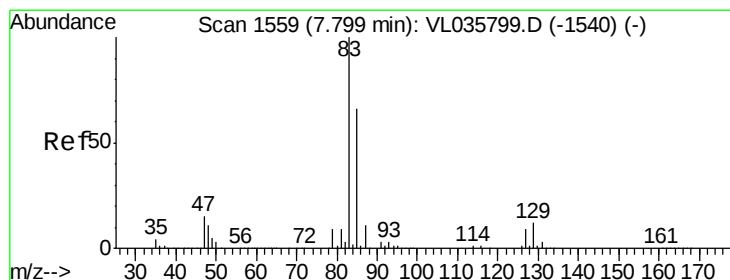
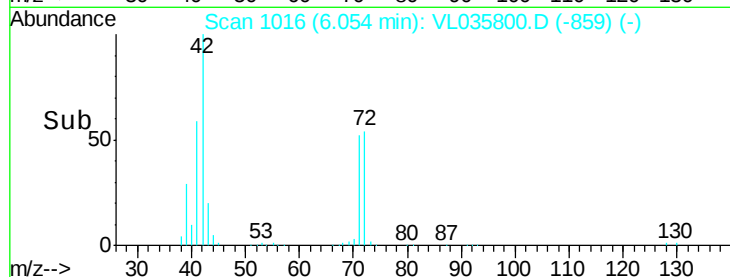
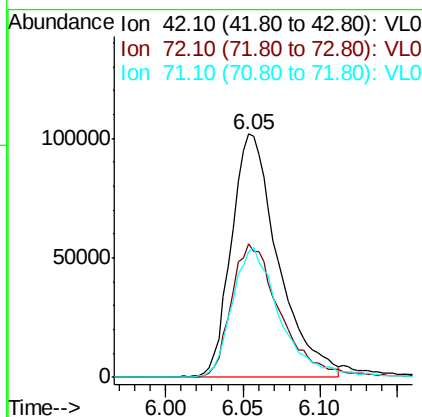
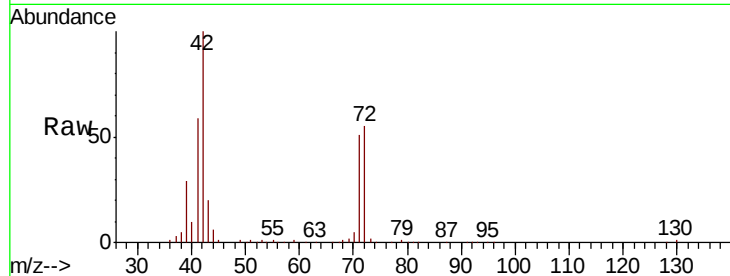
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	211990
Ion	Ratio	Lower	Upper
42	100		
72	58.7	45.4	68.0
71	55.7	43.4	65.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 PM



#42

Bromodichloromethane

Concen: 2.235 ppbv

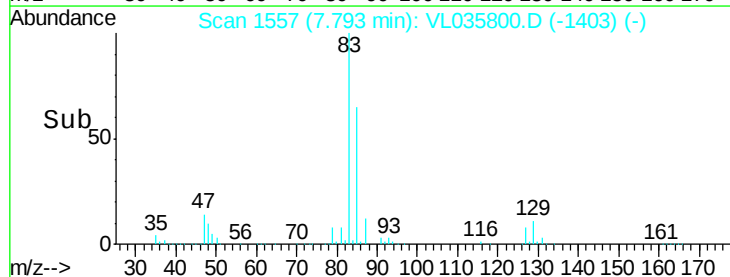
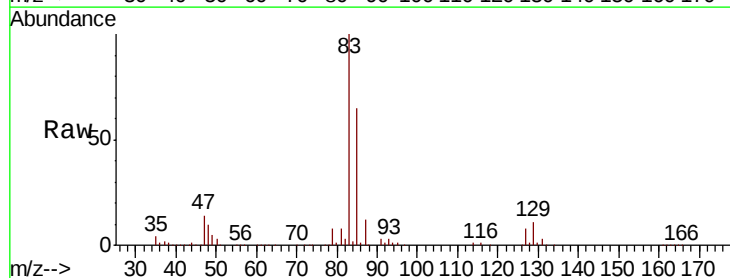
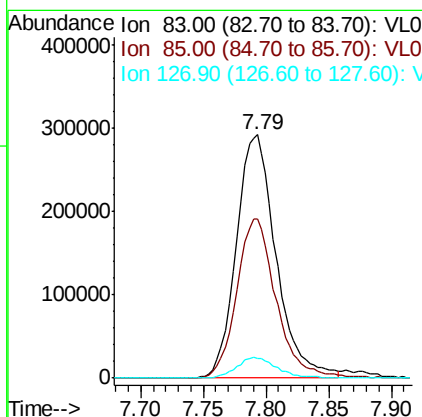
RT: 7.79 min Scan# 1557

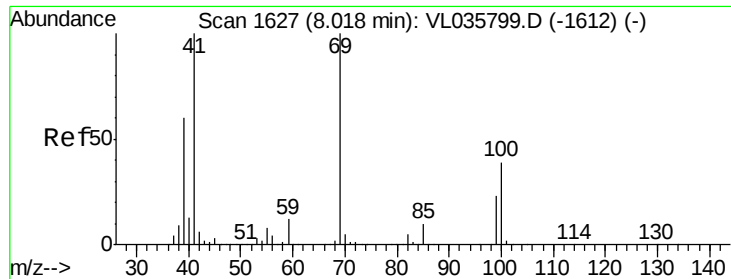
Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion:	83	Resp:	643030
Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.1	79.7
127	8.2	7.3	10.9





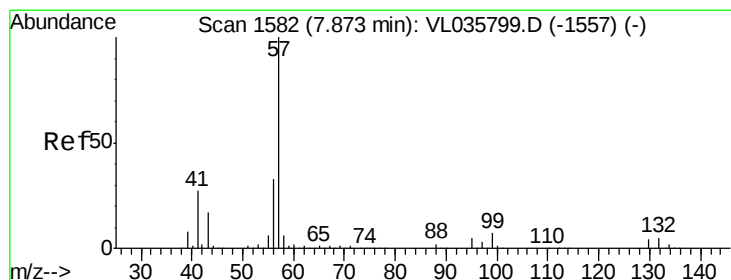
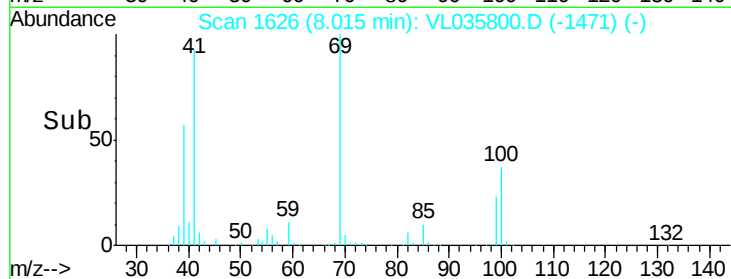
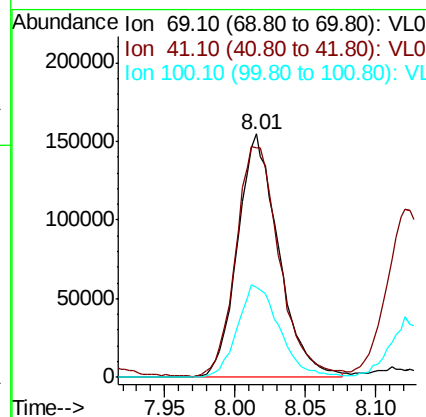
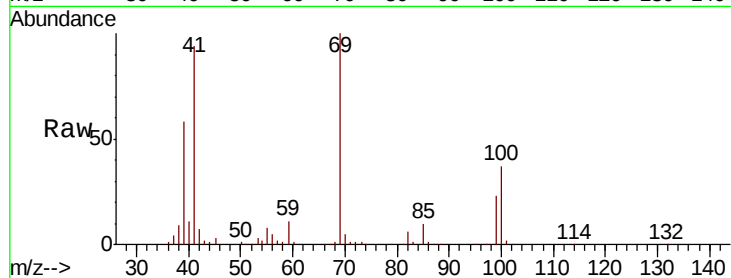
#43
Methvl Methacrylate
Concen: 2.322 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	100.7	81.1	121.7	
100	39.0	31.0	46.4	

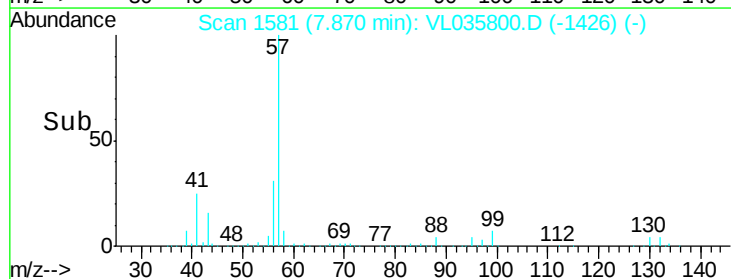
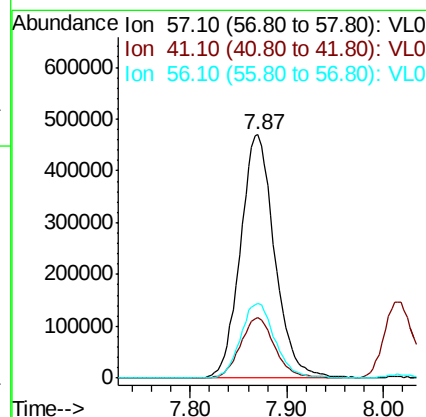
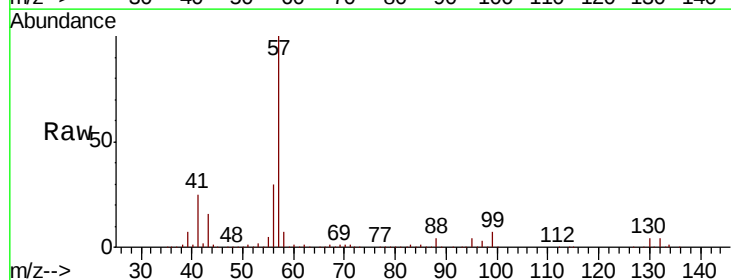
Manual Integrations
APPROVED

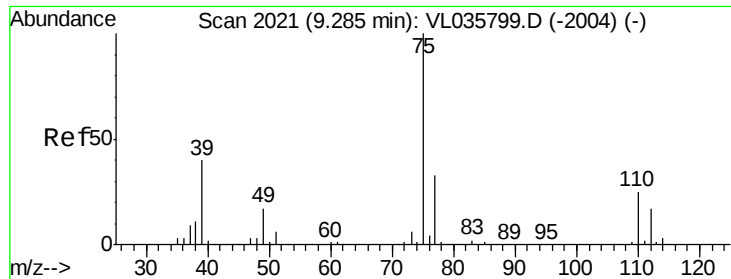
MMDadoda
11/5/2020 2:13:09 PM



#44
2,2,4-Trimethylpentane
Concen: 2.356 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	24.9	21.0	31.4	
56	31.0	25.4	38.0	





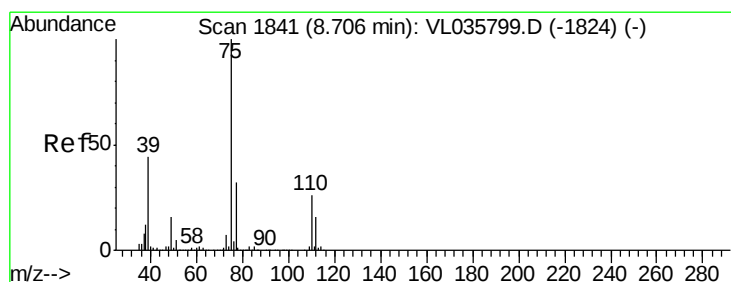
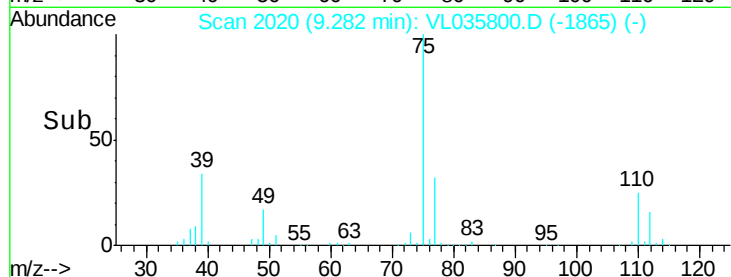
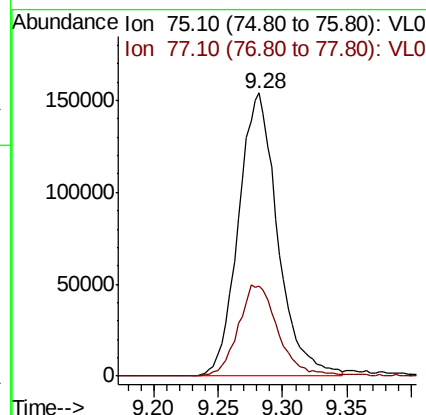
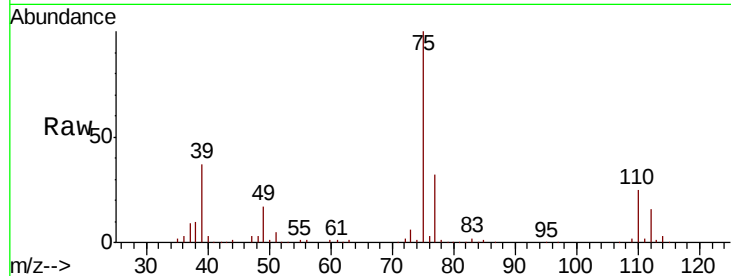
#45
 t-1,3-Dichloropropene
 Concen: 2.371 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 75 Resp: 326145
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.4 39.6

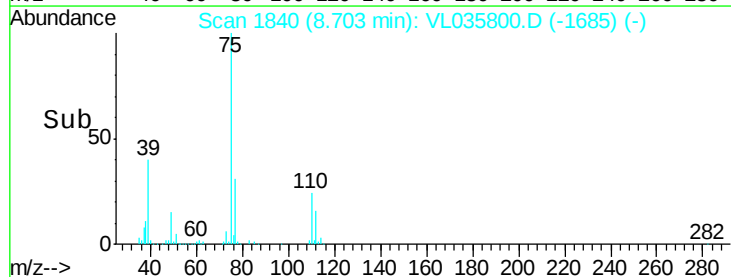
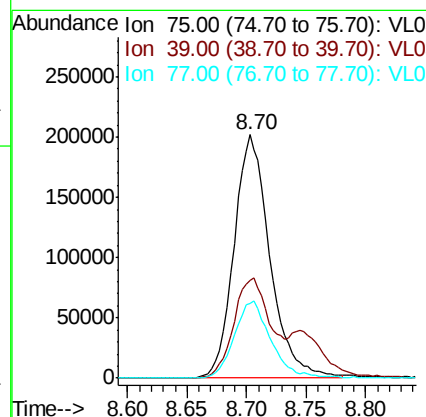
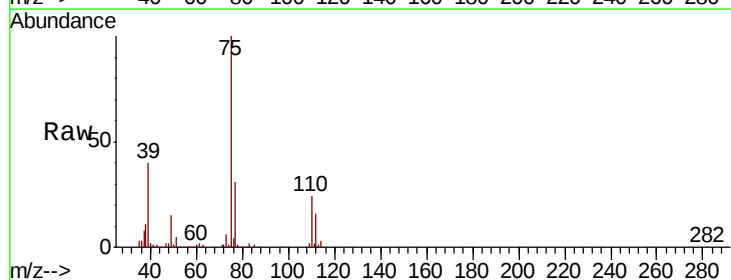
Manual Integrations
 APPROVED

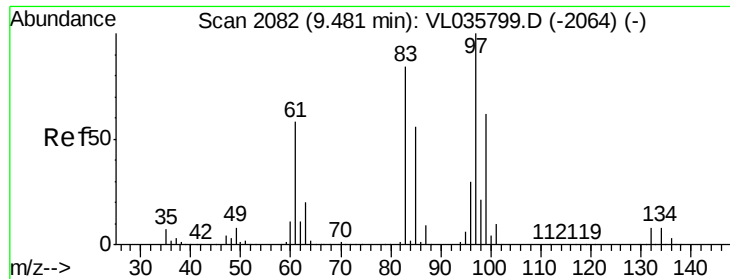
MMDadoda
 11/5/2020 2:13:09 PM



#46
 cis-1,3-Dichloropropene
 Concen: 2.486 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 75 Resp: 421523
 Ion Ratio Lower Upper
 75 100
 39 39.9 35.1 52.7
 77 30.8 25.7 38.5





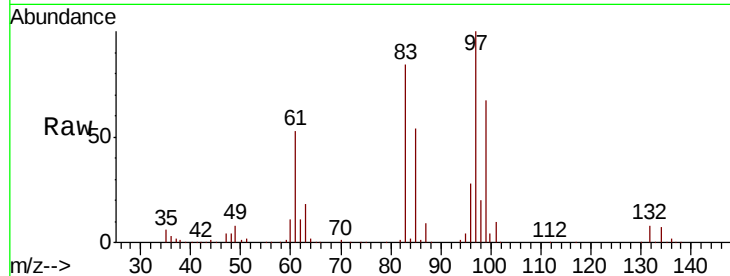
#47
 1,1,2-Trichloroethane
 Concen: 2.156 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		383520		
83	83.9	67.1		67.1	100.7
85	54.3	44.7		44.7	67.1
99	67.1	49.7		49.7	74.5

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:09 PM



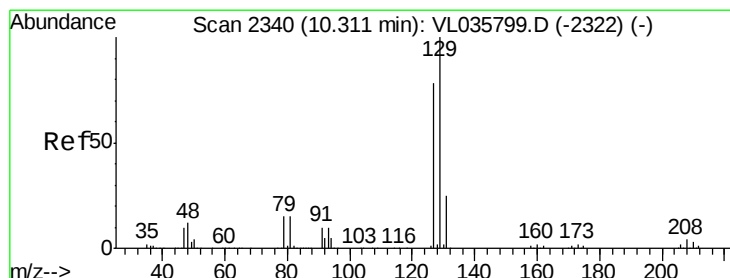
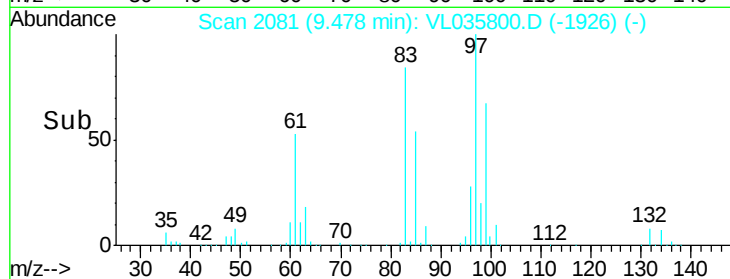
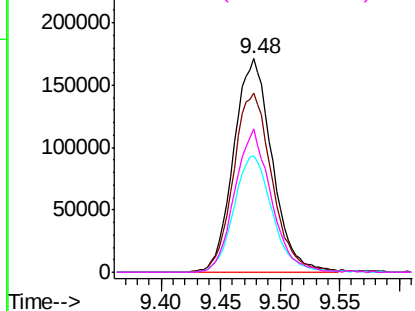
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

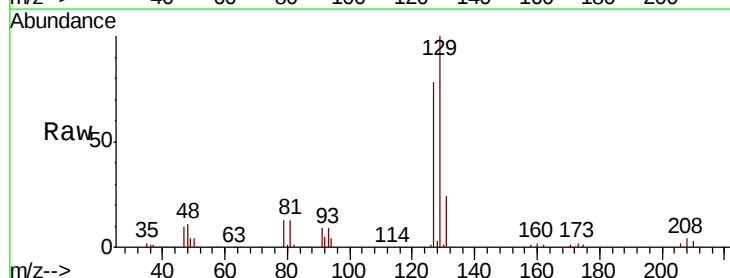
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 2.179 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

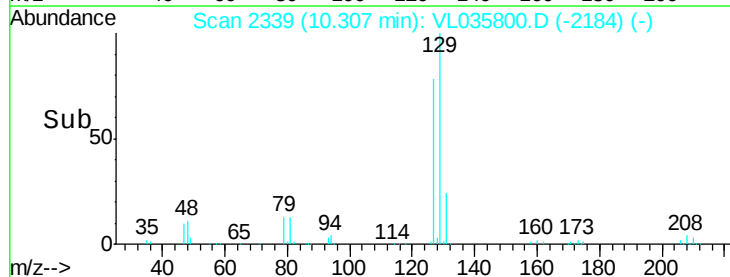
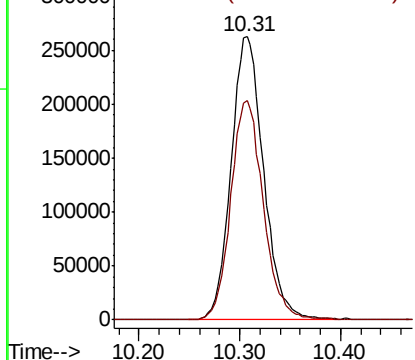
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		589911		
127	77.7	39.2		39.2	117.6

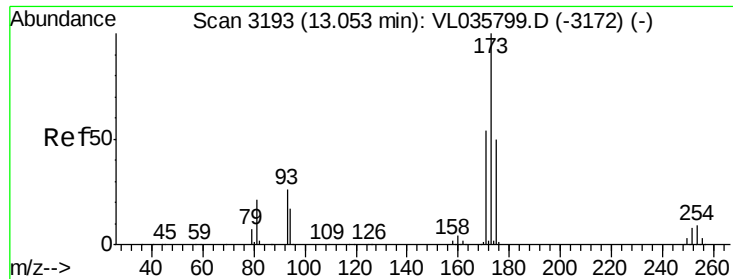


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





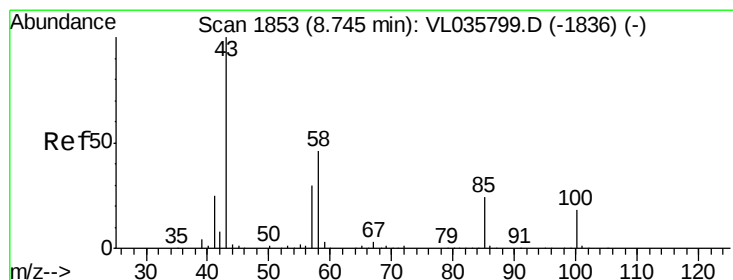
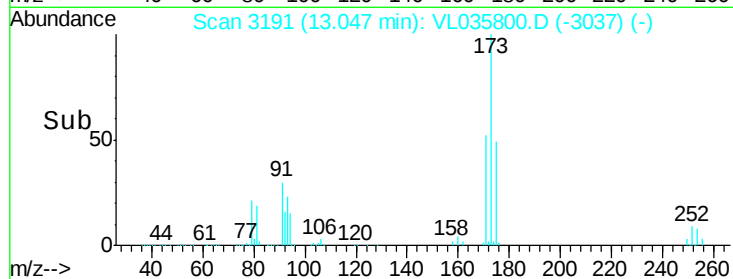
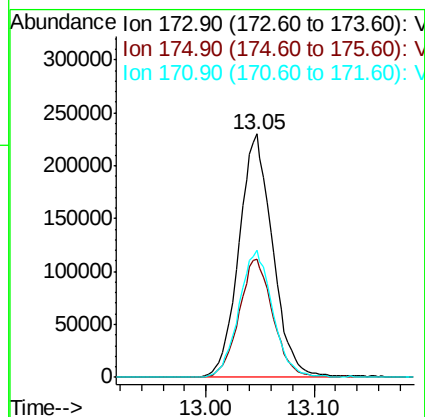
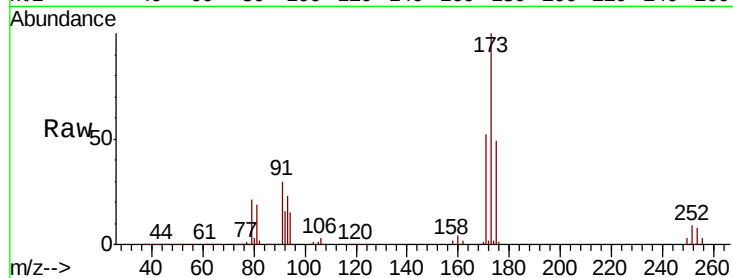
#49
Bromoform
Concen: 2.183 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	40.1	60.1
171	52.4	42.6	63.8

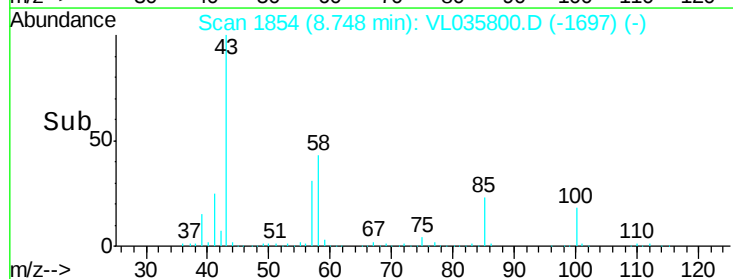
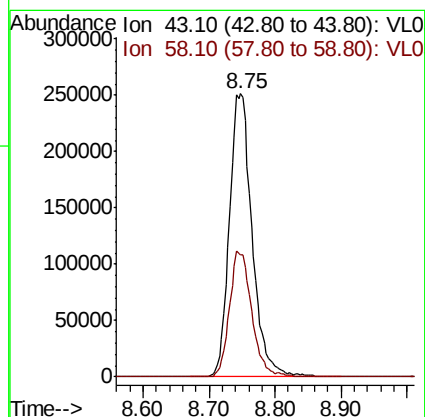
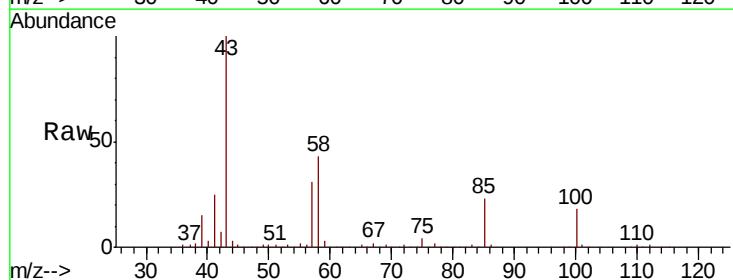
Manual Integrations
APPROVED

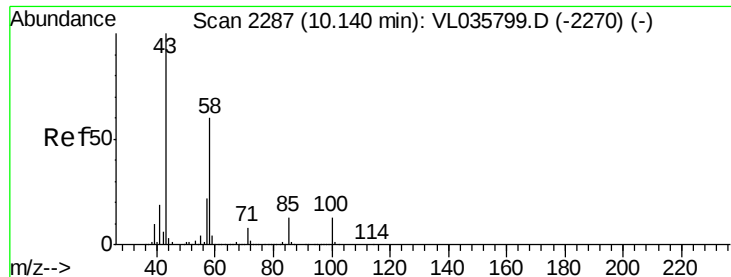
MMDadoda
11/5/2020 2:13:09 PM



#50
4-Methyl-2-Pentanone
Concen: 2.355 ppbv m
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.6	36.0	54.0





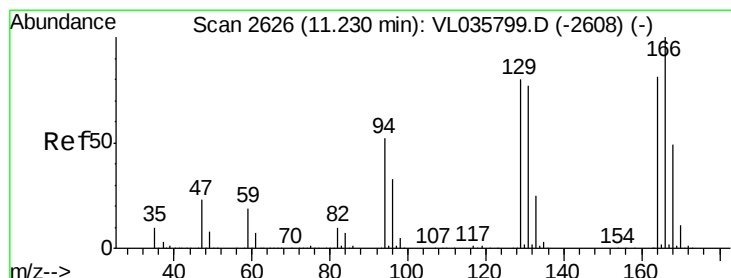
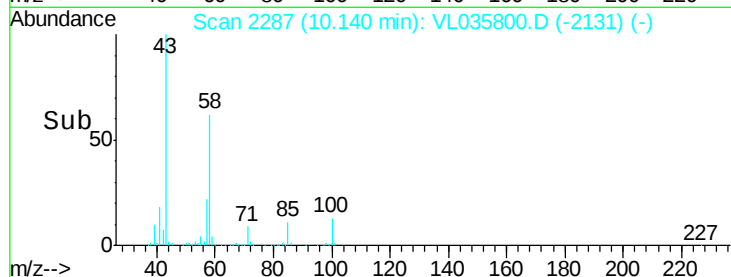
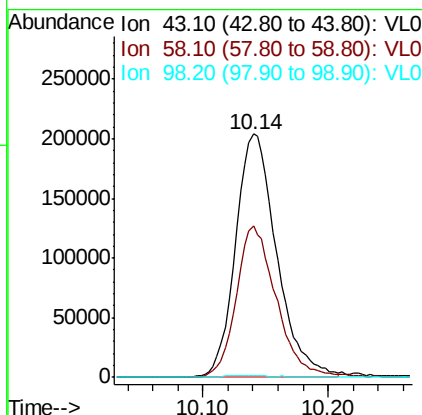
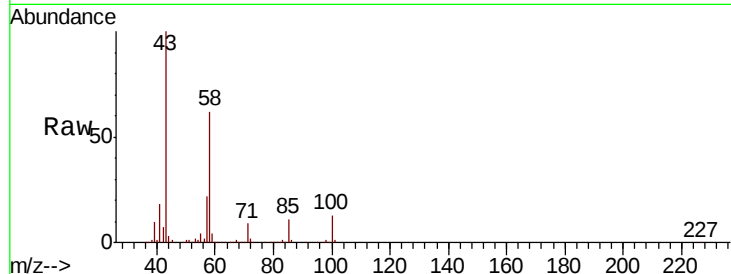
#51
2-Hexanone
Concen: 2.262 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.3	72.5
98	1.0	0.6	0.8#

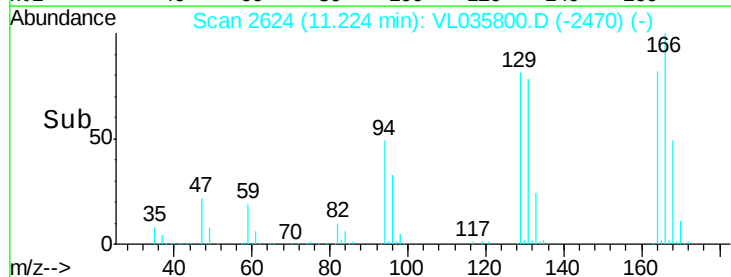
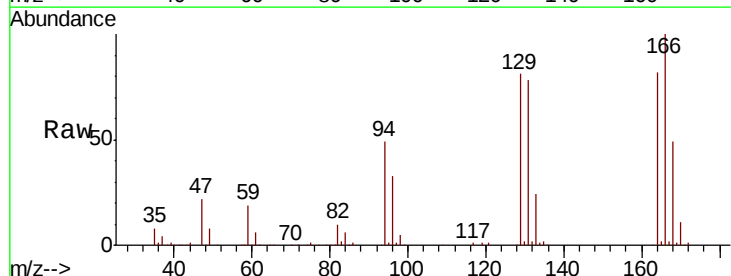
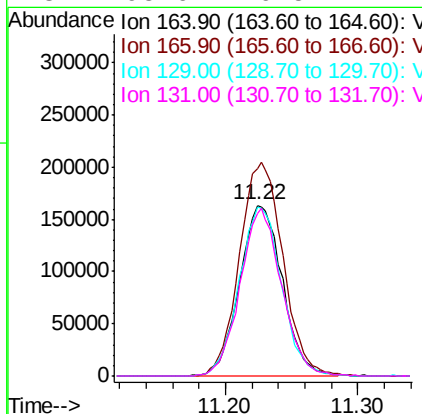
Manual Integrations
APPROVED

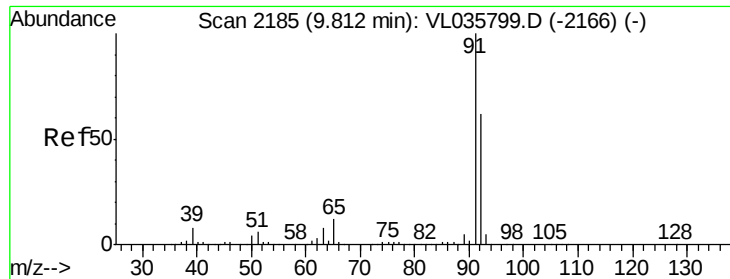
MMDadoda
11/5/2020 2:13:09 PM



#52
Tetrachloroethene
Concen: 2.224 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	99.3	148.9
129	99.2	79.3	118.9
131	95.6	76.5	114.7





#53

Toluene

Concen: 2.501 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1010250

Ion Ratio Lower Upper

91 100

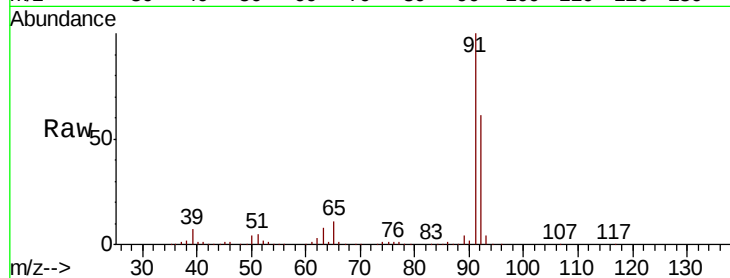
92 60.4 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:13:09 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

500000

400000

300000

200000

100000

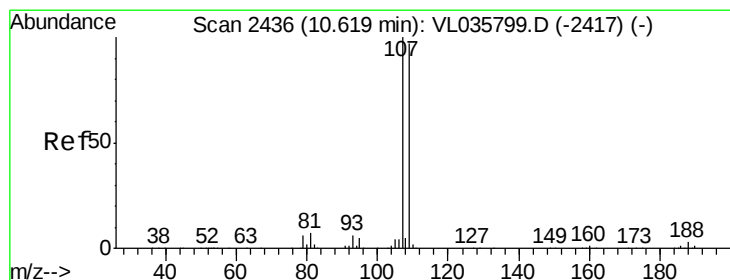
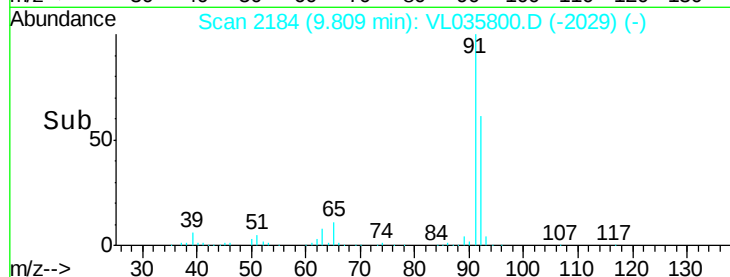
0

9.70

9.80

9.90

Time-->



#54

1,2-Dibromoethane

Concen: 2.196 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL035800.D

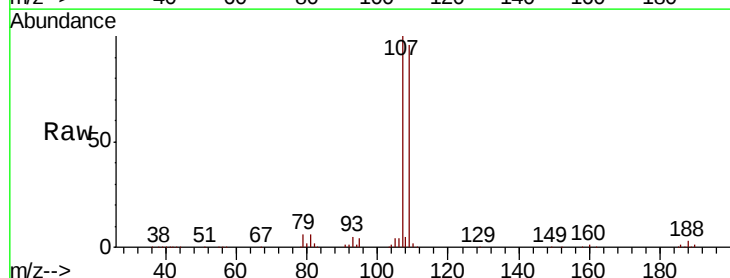
Acq: 3 Nov 2020 11:11

Tgt Ion: 107 Resp: 585002

Ion Ratio Lower Upper

107 100

109 95.7 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

300000

250000

200000

150000

100000

50000

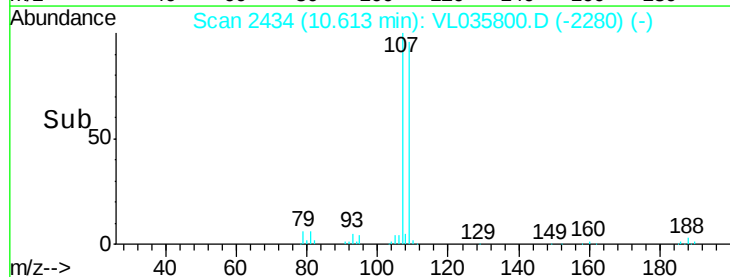
0

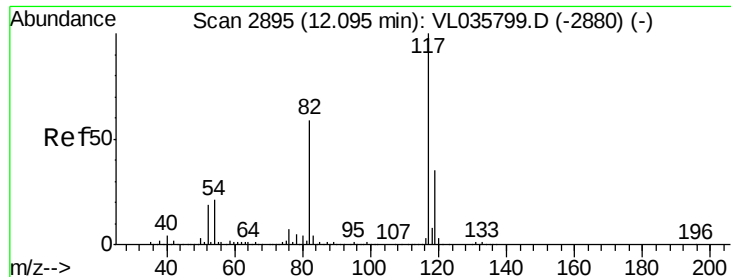
10.50

10.60

10.70

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 5096797

Ion Ratio Lower Upper

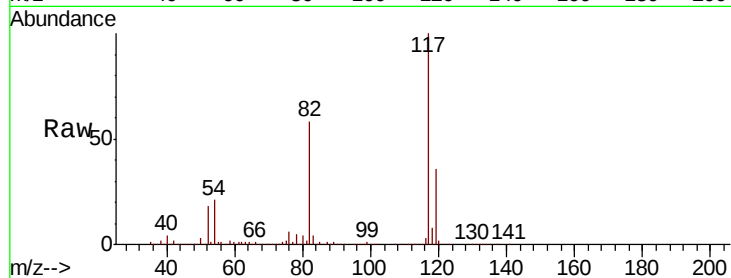
117 100

82 54.5 50.6 76.0

119 38.7 52.6 78.8#

Manual Integrations
APPROVED

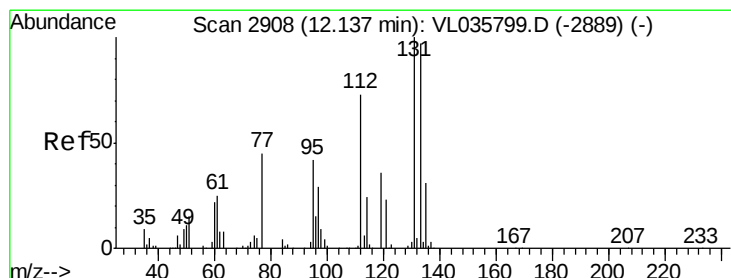
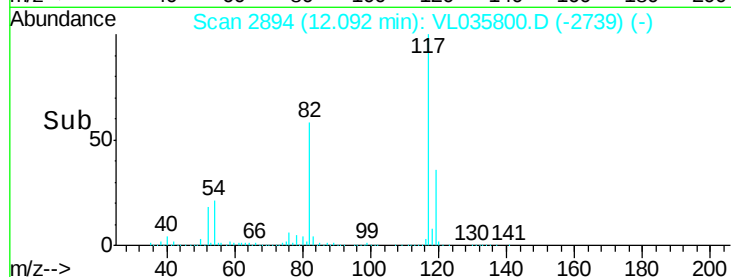
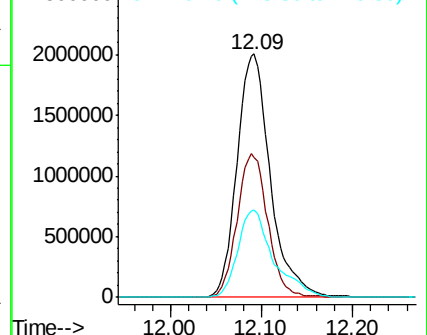
MMDadoda
11/5/2020 2:13:09 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.248 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

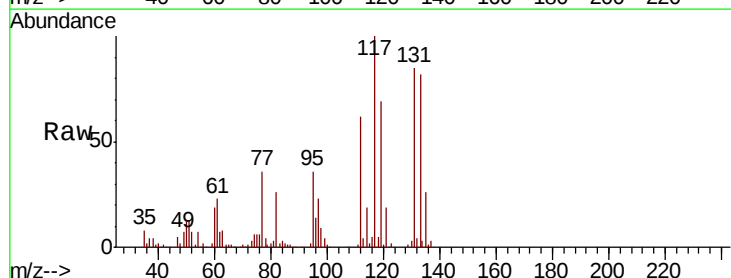
Tgt Ion:131 Resp: 480412

Ion Ratio Lower Upper

131 100

133 96.2 76.8 115.2

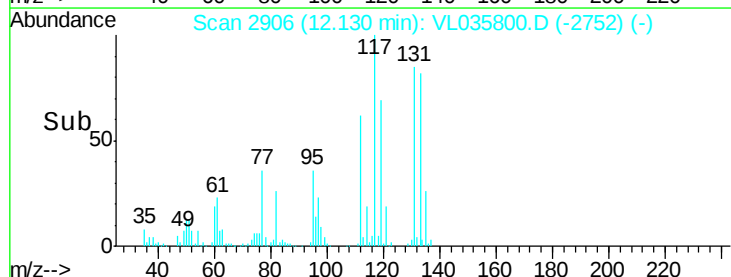
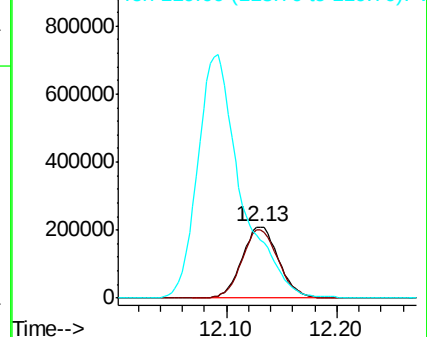
119 410.2 47.4 71.0#

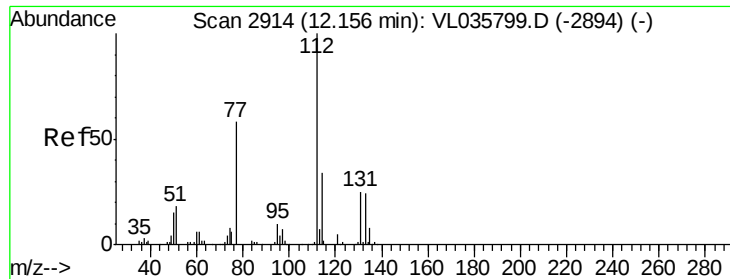


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 2.207 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

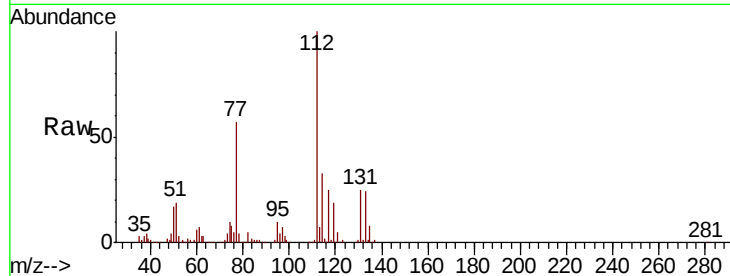
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	849713
Ion Ratio	Lower	Upper	
112	100		
77	56.6	47.5	71.3
114	33.4	30.3	37.1

Manual Integrations
APPROVED

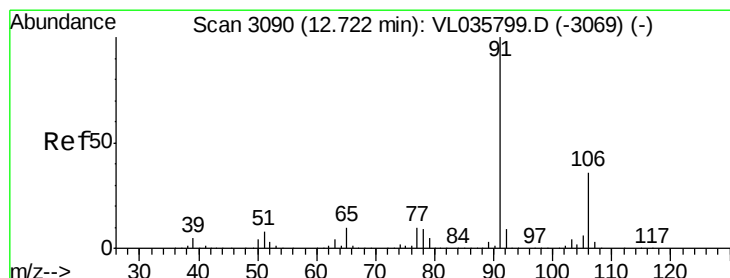
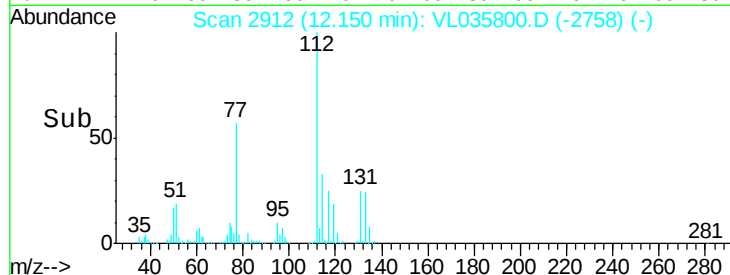
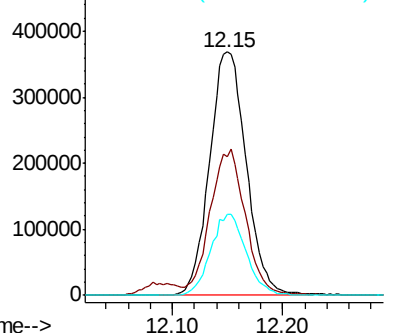
MMDadoda
11/5/2020 2:13:09 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 2.584 ppbv

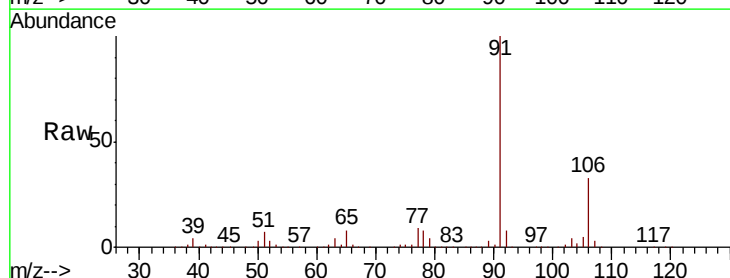
RT: 12.72 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL035800.D

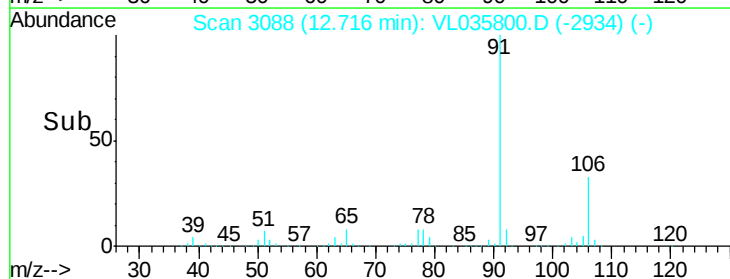
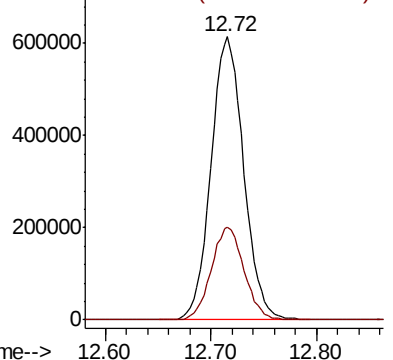
Acq: 3 Nov 2020 11:11

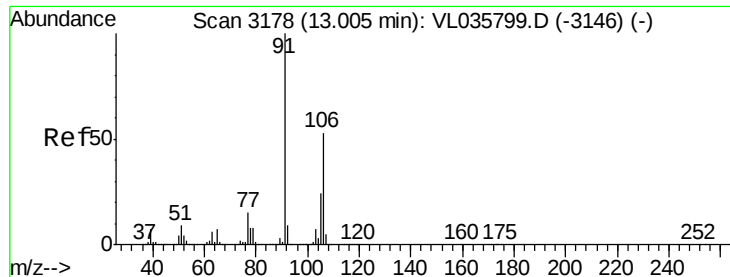
Tgt Ion:	91	Resp:	1321995
Ion Ratio	Lower	Upper	
91	100		
106	32.7	28.6	43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





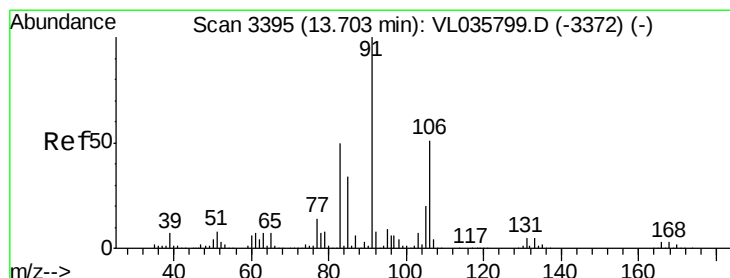
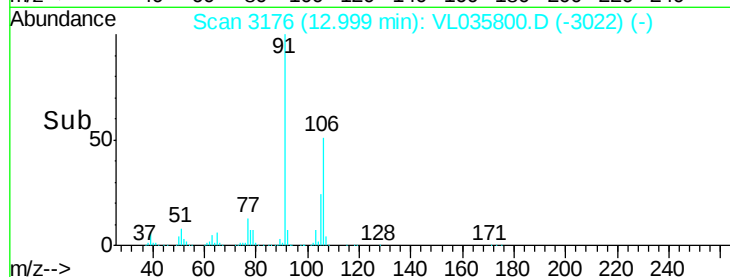
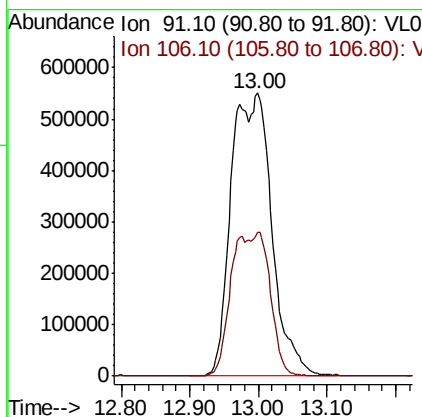
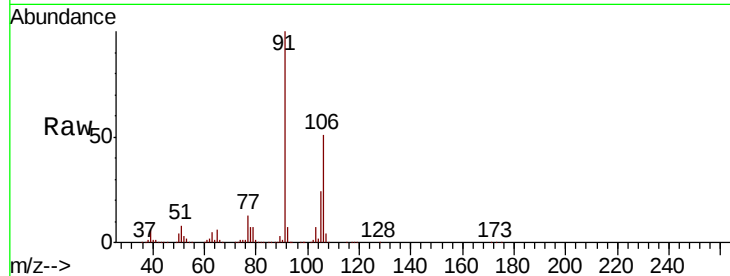
#59
m/p-Xylene
Concen: 5.064 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2262097
Ion Ratio Lower Upper
91 100
106 48.6 39.5 59.3

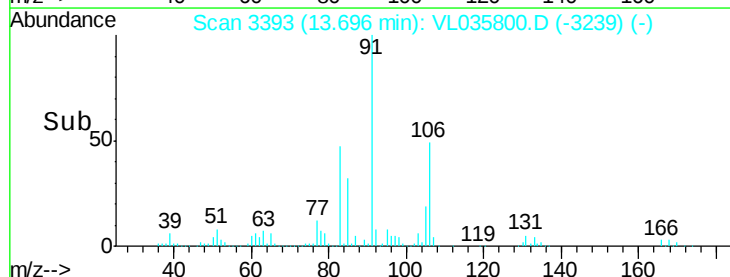
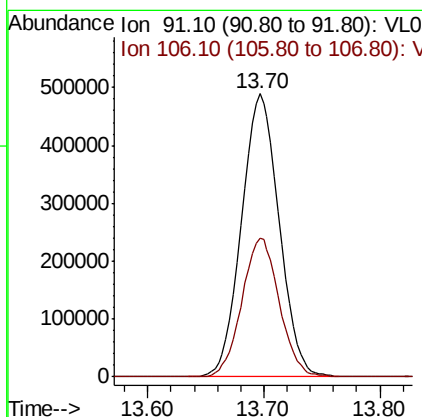
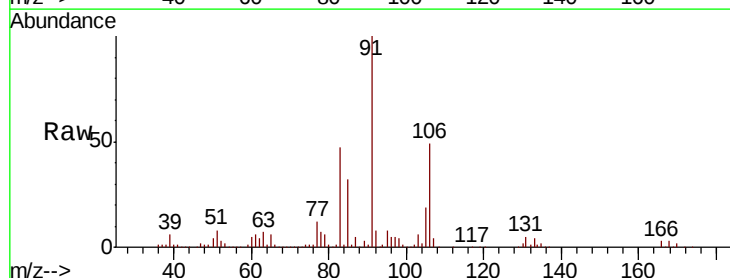
Manual Integrations
APPROVED

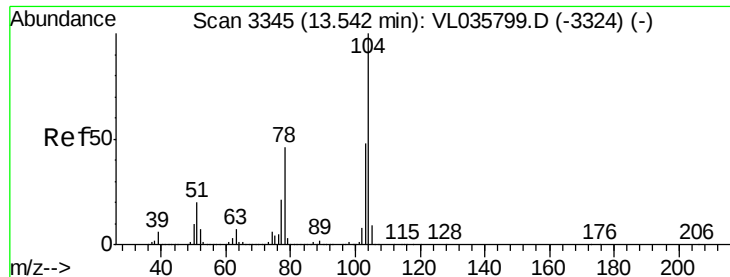
MMDadoda
11/5/2020 2:13:09 PM



#60
o-Xylene
Concen: 2.433 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 91 Resp: 1099386
Ion Ratio Lower Upper
91 100
106 49.2 24.8 74.4





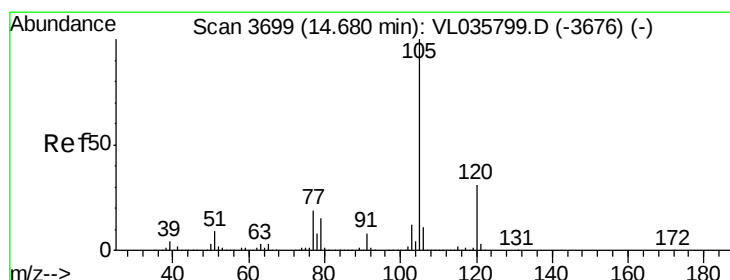
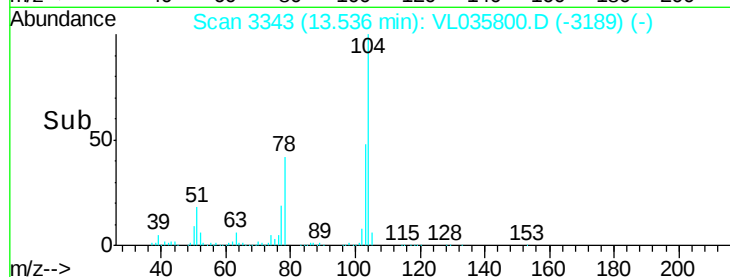
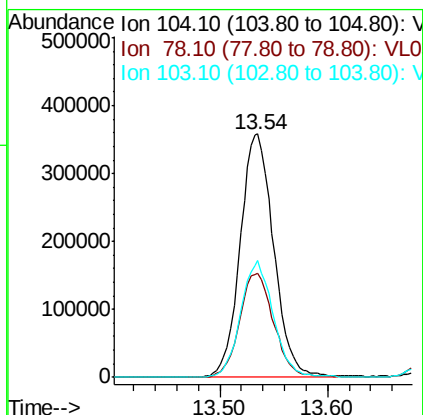
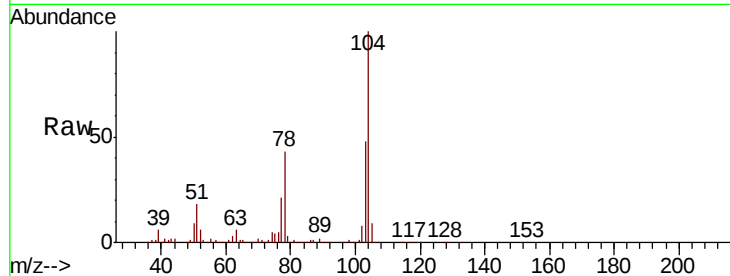
#61
Stvrene
Concen: 2.481 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	43.8	37.1	55.7
103	46.7	37.9	56.9

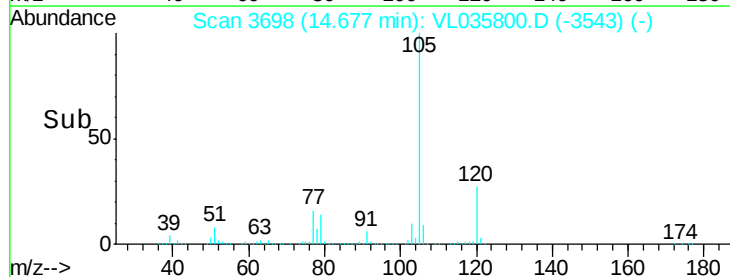
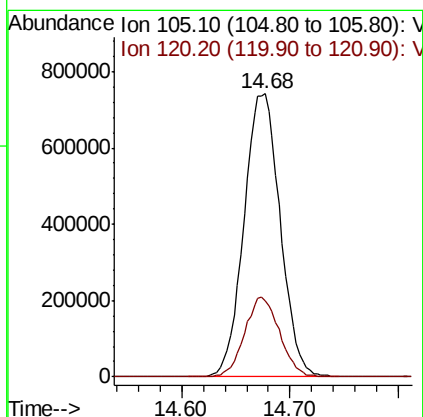
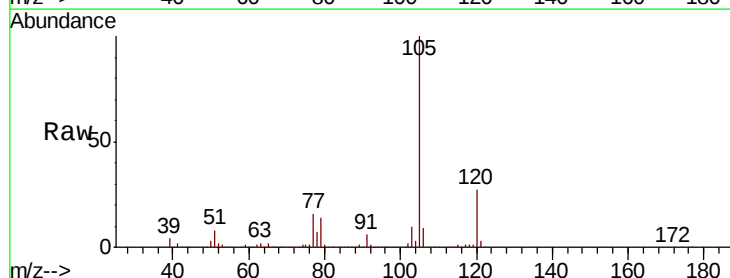
Manual Integrations
APPROVED

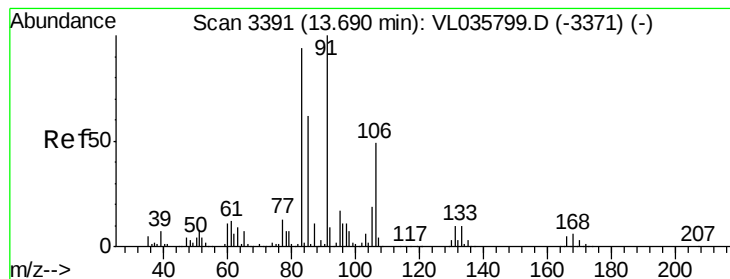
MMDadoda
11/5/2020 2:13:09 PM



#62
Isopropylbenzene
Concen: 2.469 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	23.5	35.3





#63

1,1,2,2-Tetrachloroethane

Concen: 2.171 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 804543

Ion Ratio Lower Upper

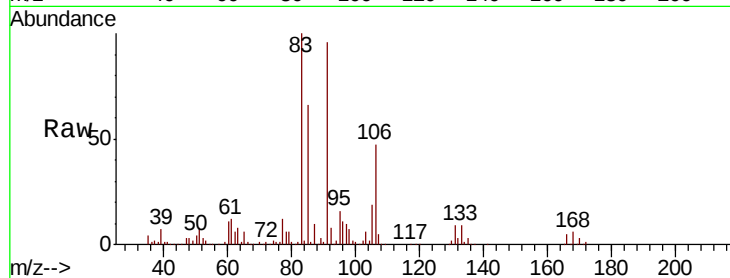
83 100

131 10.0 5.3 15.8

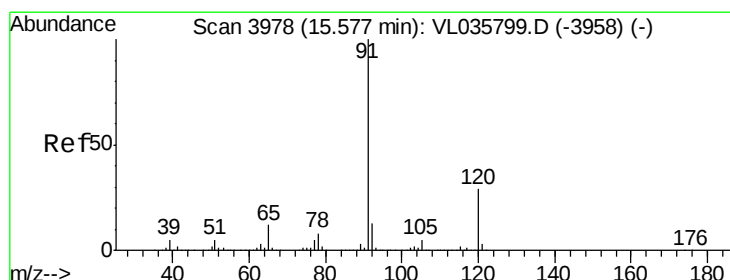
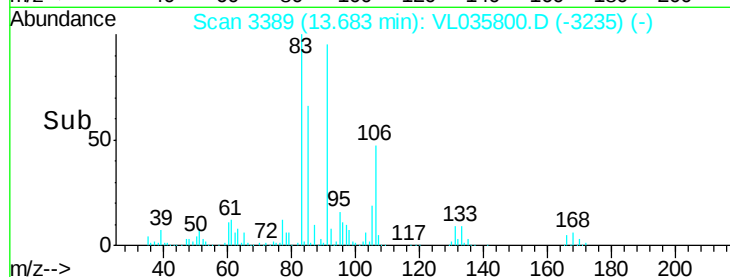
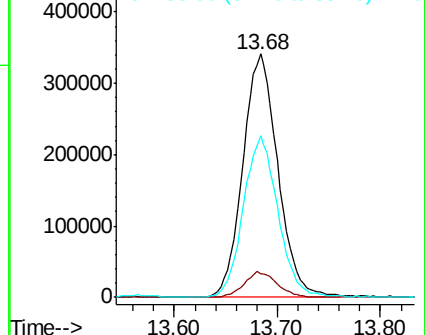
85 65.9 33.5 100.4

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.350 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL035800.D

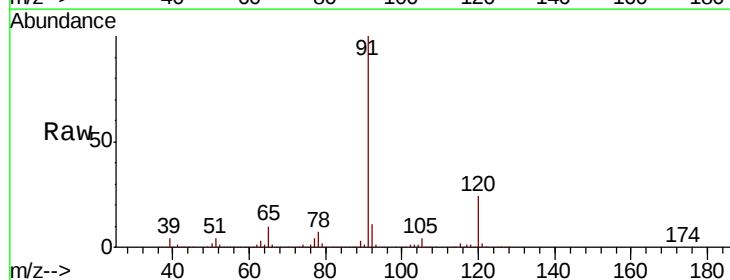
Acq: 3 Nov 2020 11:11

Tgt Ion:120 Resp: 482086

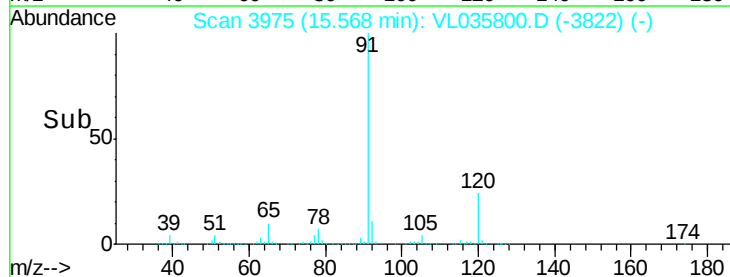
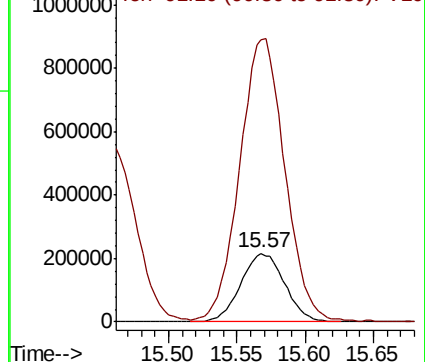
Ion Ratio Lower Upper

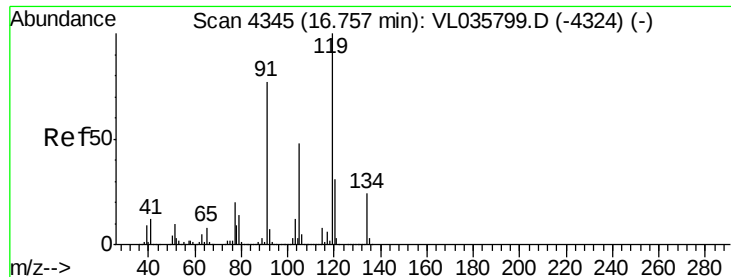
120 100

91 428.1 311.1 466.7



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.505 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1596535

Ion Ratio Lower Upper

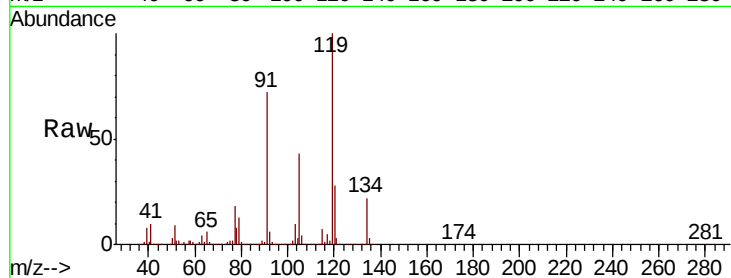
119 100

91 72.8 62.0 93.0

134 21.0 17.8 26.8

Manual Integrations
APPROVED

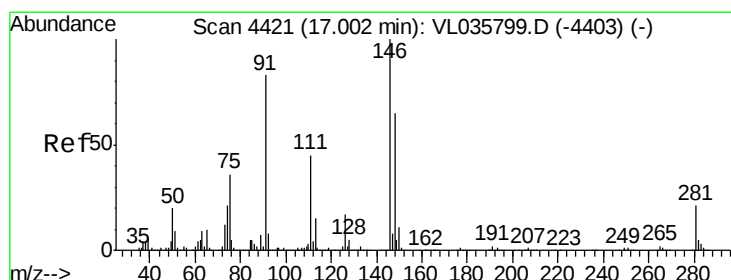
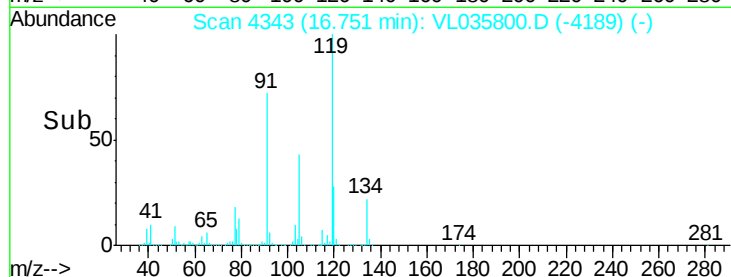
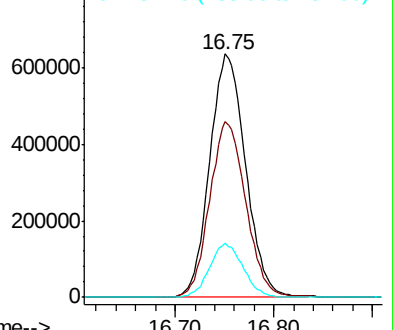
MMDadoda
11/5/2020 2:13:09 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.404 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

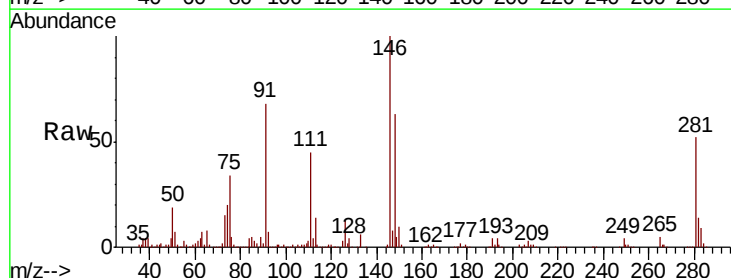
Tgt Ion: 91 Resp: 464113

Ion Ratio Lower Upper

91 100

126 19.9 16.0 24.0

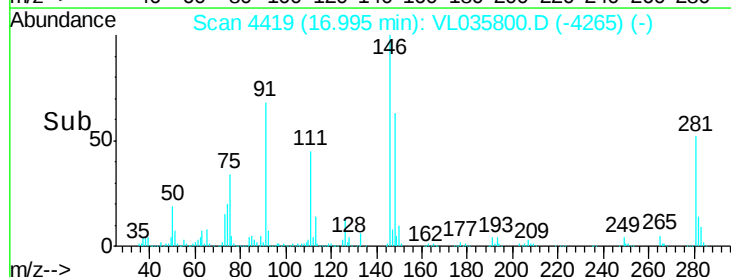
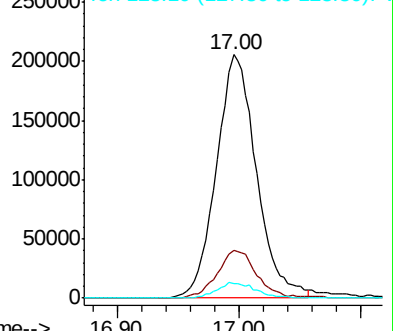
128 6.3 5.0 7.4

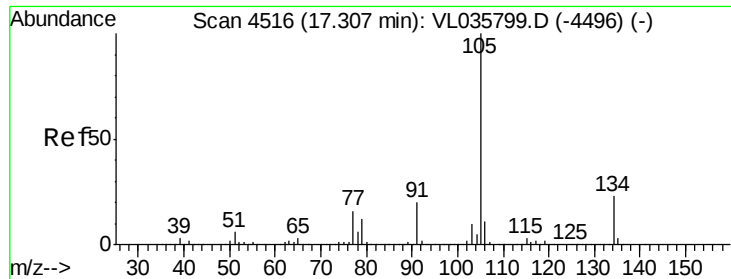


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





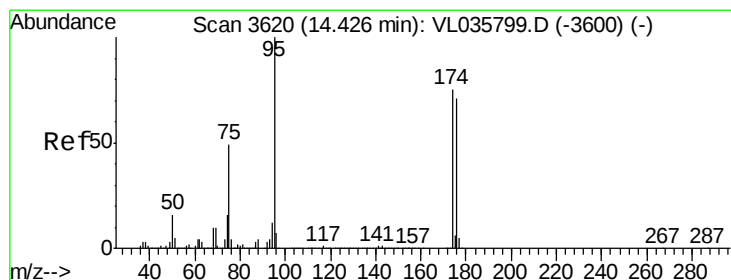
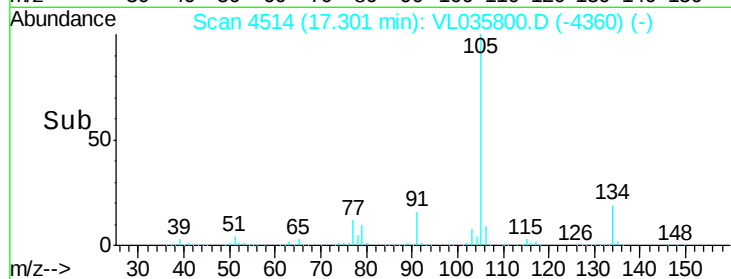
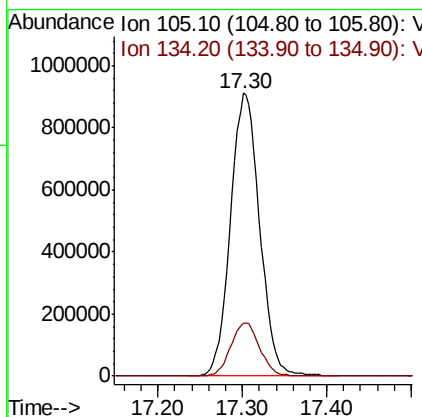
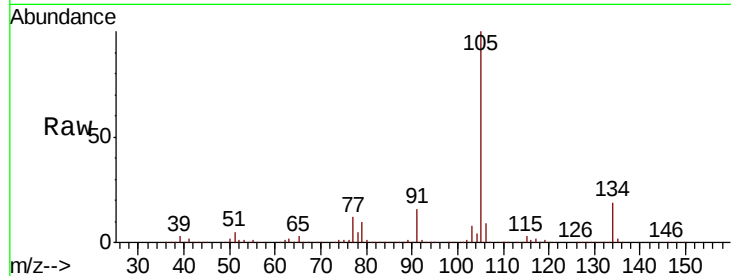
#67
 sec-Butylbenzene
 Concen: 2.492 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 105 Resp: 2192861
 Ion Ratio Lower Upper
 105 100
 134 18.8 17.0 25.6

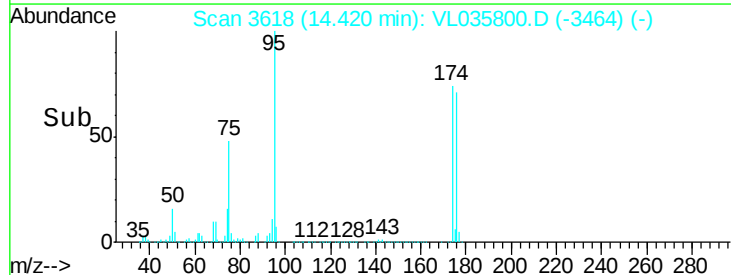
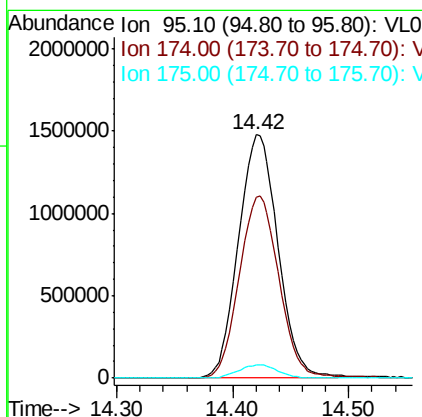
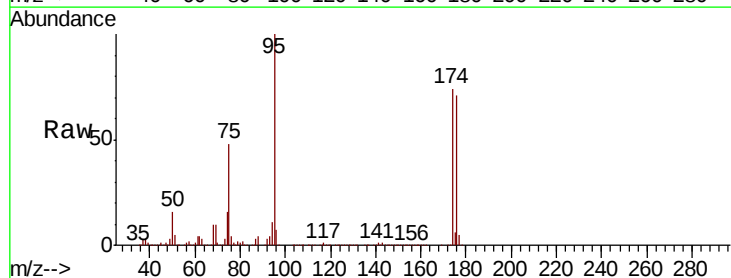
Manual Integrations
 APPROVED

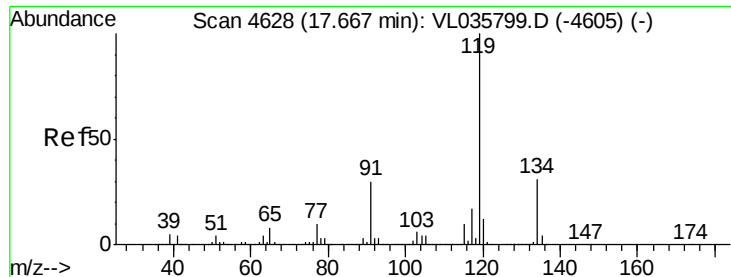
MMDadoda
 11/5/2020 2:13:09 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.153 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 95 Resp: 3495807
 Ion Ratio Lower Upper
 95 100
 174 76.1 59.8 89.6
 175 5.5 4.3 6.5





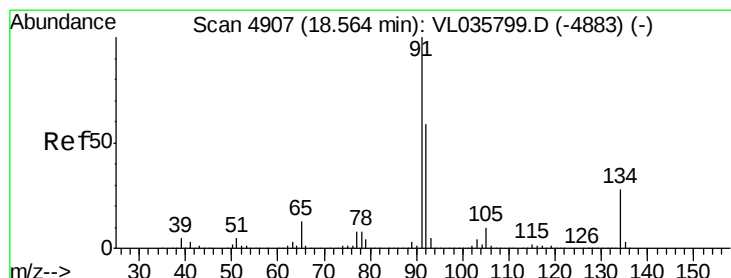
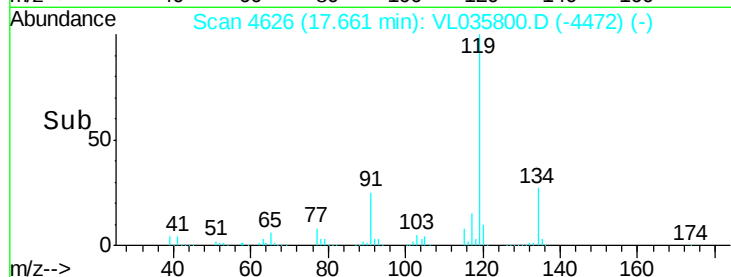
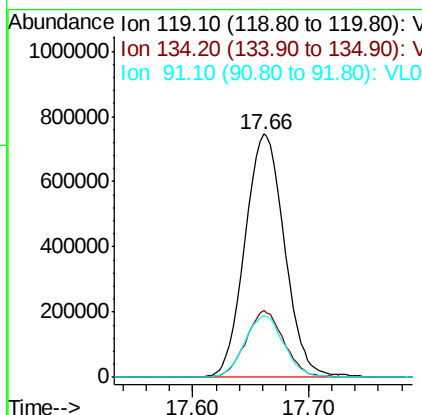
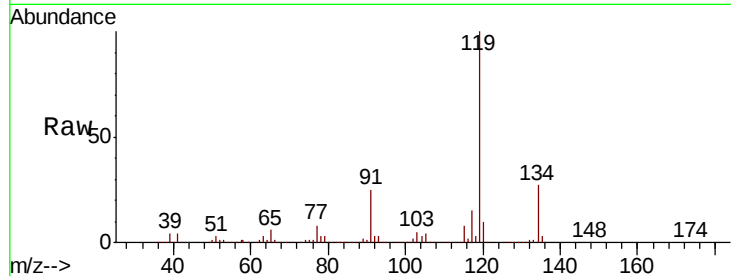
#69
 p-Isopropyltoluene
 Concen: 2.477 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion: 119 Resp: 1773233
 Ion Ratio Lower Upper
 119 100
 134 26.7 23.0 34.6
 91 25.6 22.8 34.2

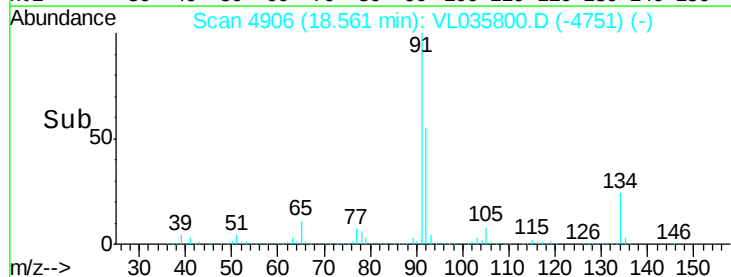
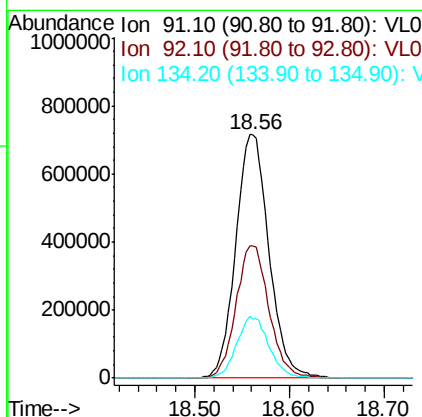
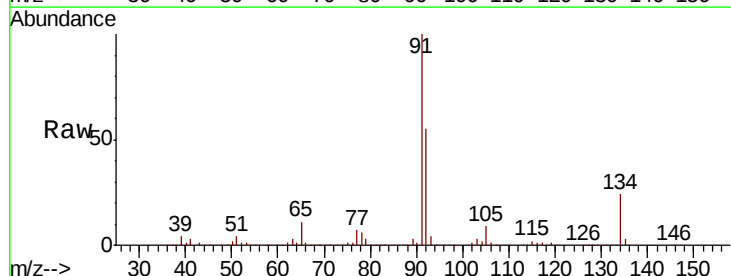
Manual Integrations
 APPROVED

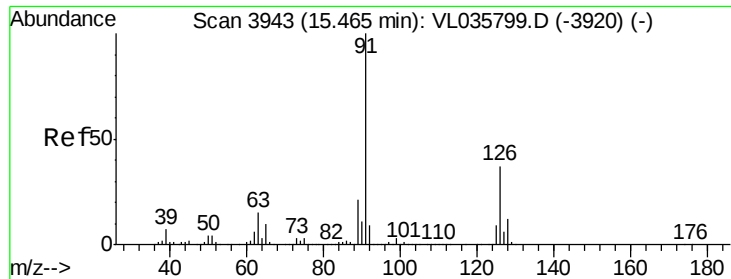
MMDadoda
 11/5/2020 2:13:09 PM



#70
 n-Butylbenzene
 Concen: 2.363 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 91 Resp: 1742155
 Ion Ratio Lower Upper
 91 100
 92 54.2 45.7 68.5
 134 24.7 21.0 31.4





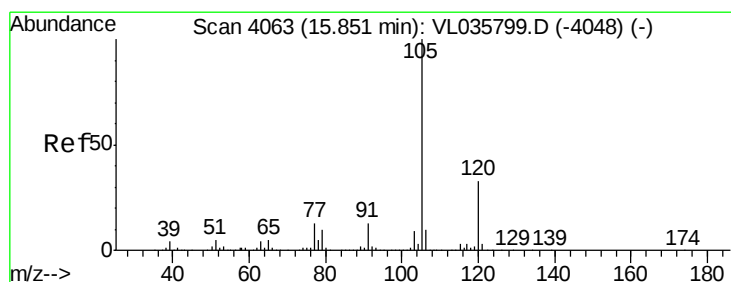
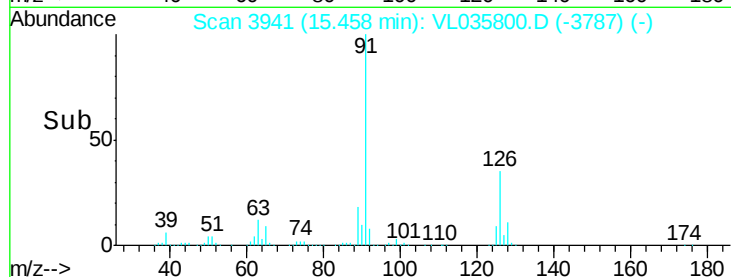
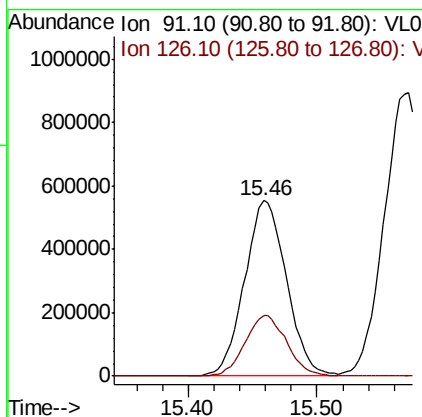
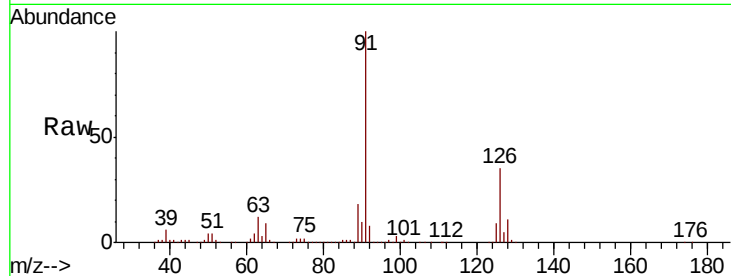
#71
 2-Chlorotoluene
 Concen: 2.452 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 91 Resp: 1253821
 Ion Ratio Lower Upper
 91 100
 126 34.5 14.3 57.1

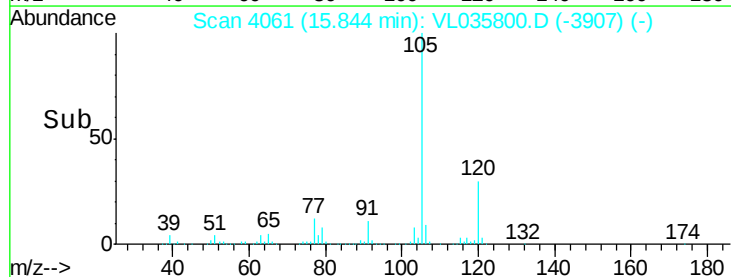
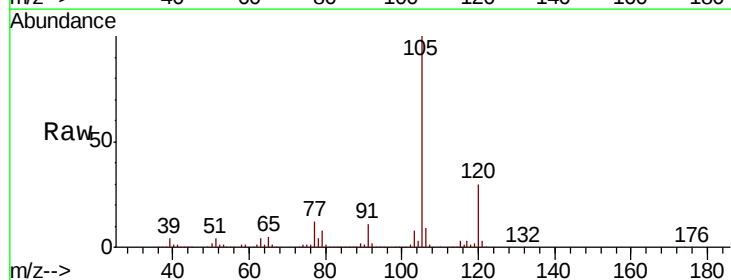
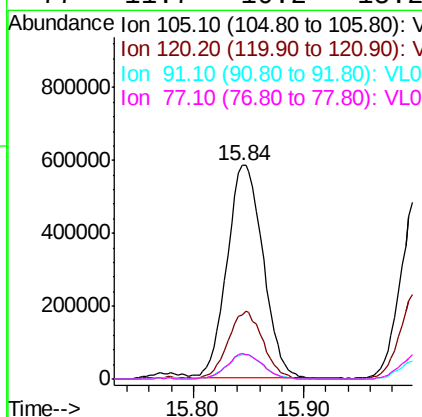
Manual Integrations
 APPROVED

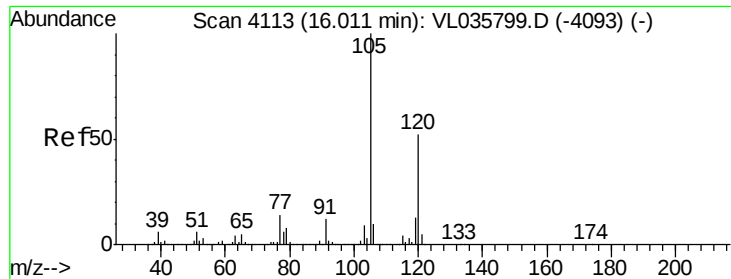
MMDadoda
 11/5/2020 2:13:09 PM



#72
 4-Ethyltoluene
 Concen: 2.485 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 105 Resp: 1330292
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.9 38.9
 91 11.6 9.9 14.9
 77 11.7 10.2 15.2





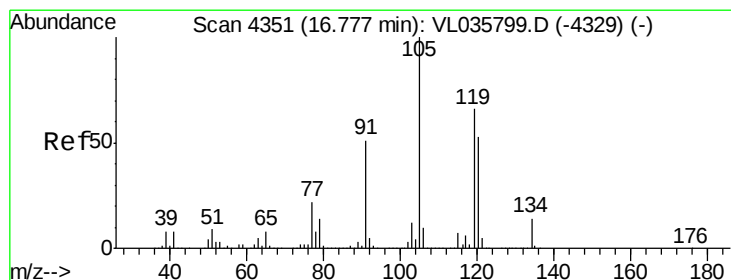
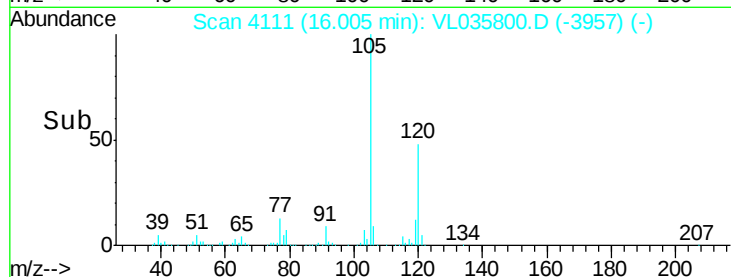
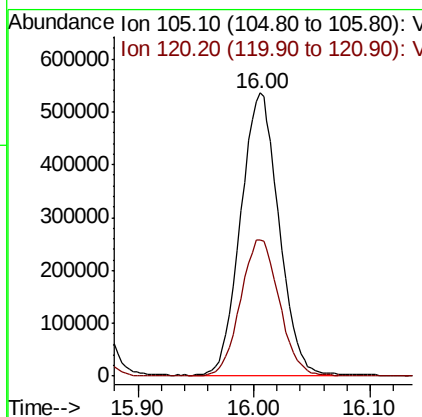
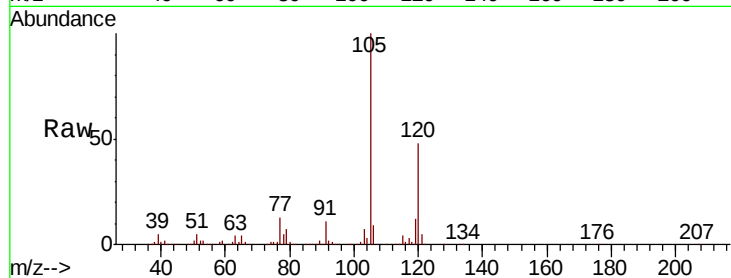
#73
 1,3,5-Trimethylbenzene
 Concen: 2.417 ppbv
 RT: 16.00 min Scan# 4111
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1222662
 Ion Ratio Lower Upper
 105 100
 120 48.2 41.4 62.2

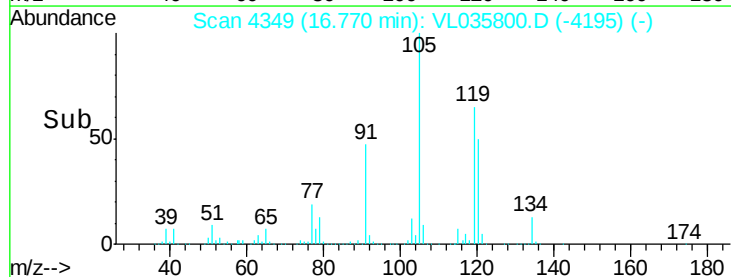
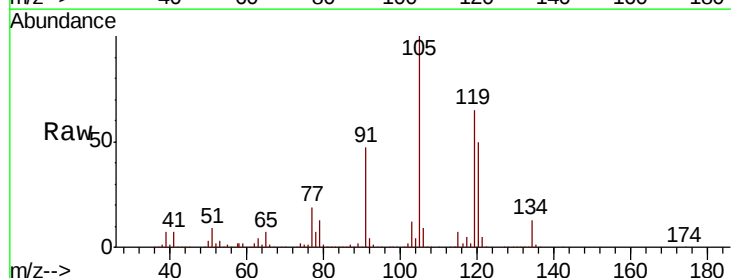
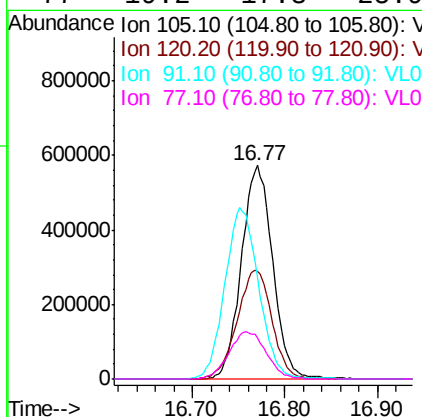
Manual Integrations
 APPROVED

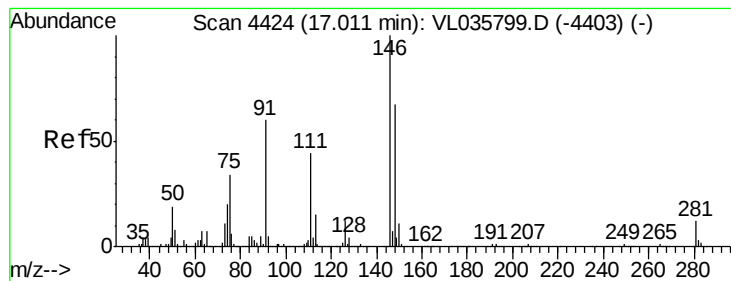
MMDadoda
 11/5/2020 2:13:09 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 2.350 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion:105 Resp: 1340088
 Ion Ratio Lower Upper
 105 100
 120 50.3 42.0 63.0
 91 47.2 41.0 61.6
 77 19.2 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 2.155 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

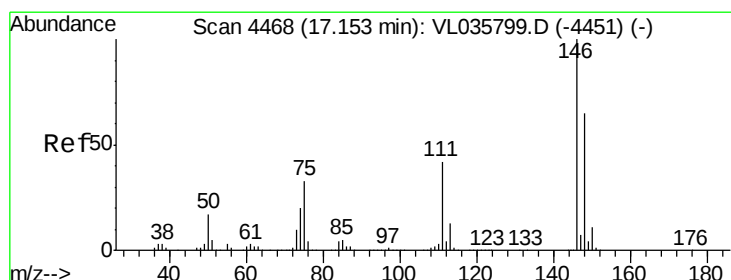
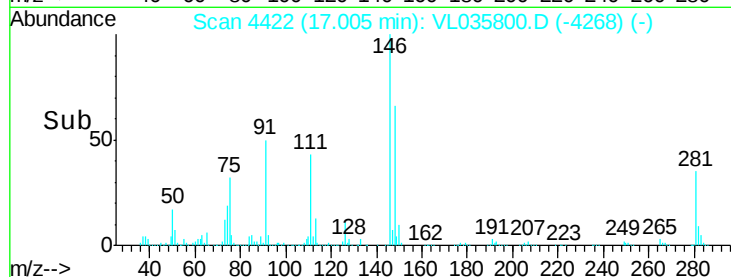
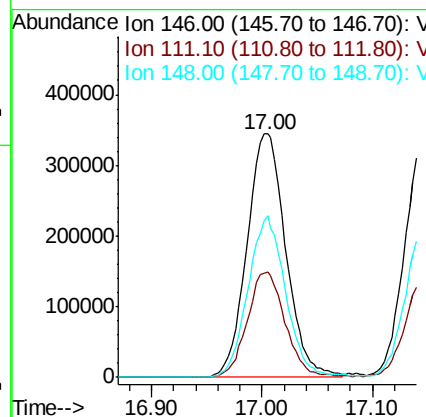
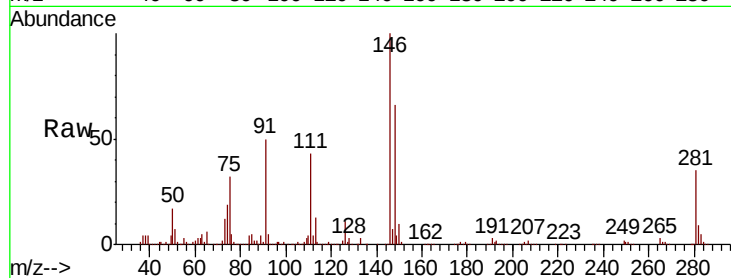
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	839166
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.8	65.4
148	64.4	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 PM



#76

1,4-Dichlorobenzene

Concen: 2.146 ppbv

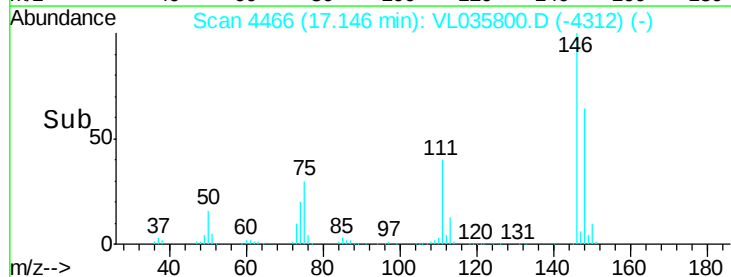
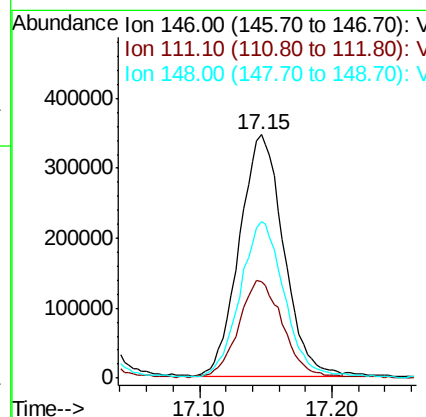
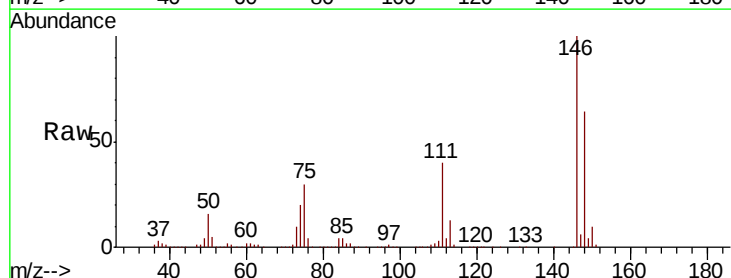
RT: 17.15 min Scan# 4466

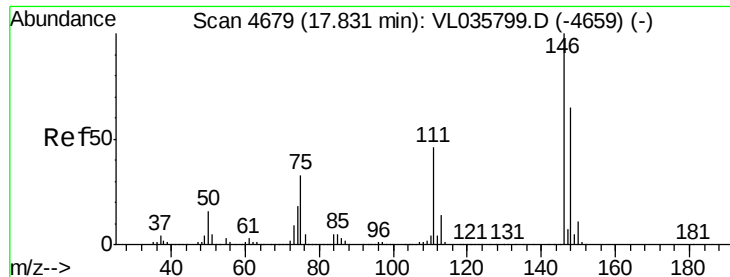
Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion:	146	Resp:	798631
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.3	63.7
148	66.5	33.0	99.0





#77

1,2-Dichlorobenzene

Concen: 2.217 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

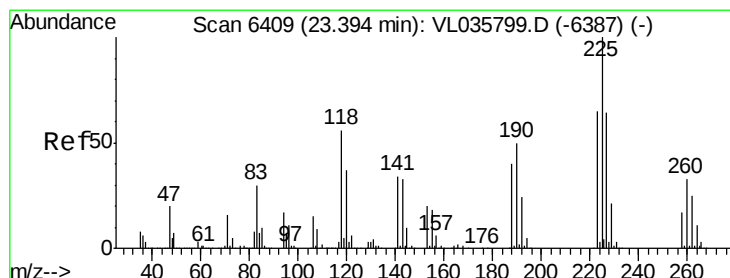
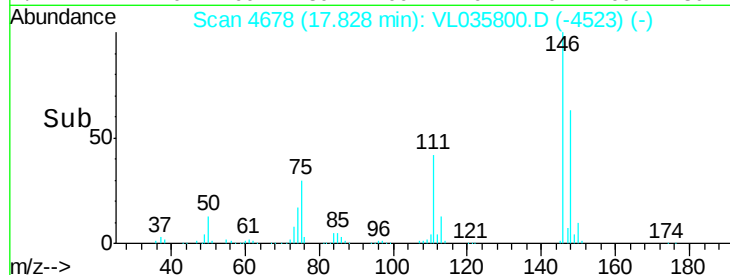
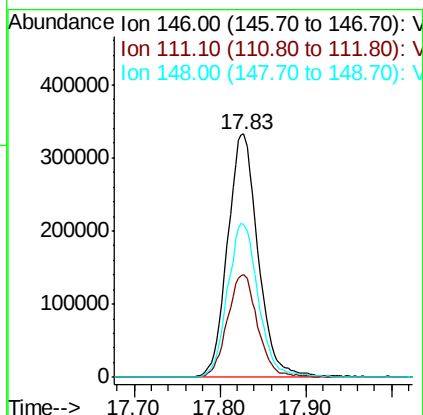
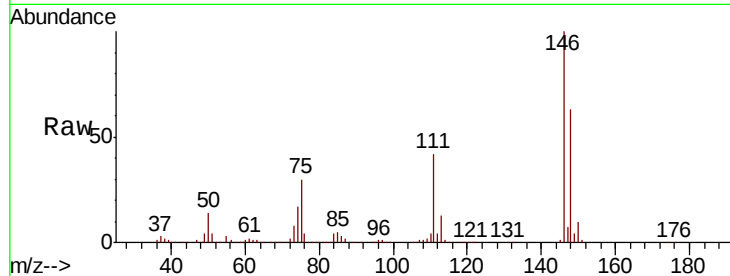
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	815130
Ion Ratio		Lower	Upper
146	100		
111	42.3	22.4	67.0
148	63.7	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 PM



#78

Hexachloro-1,3-Butadiene

Concen: 1.968 ppbv

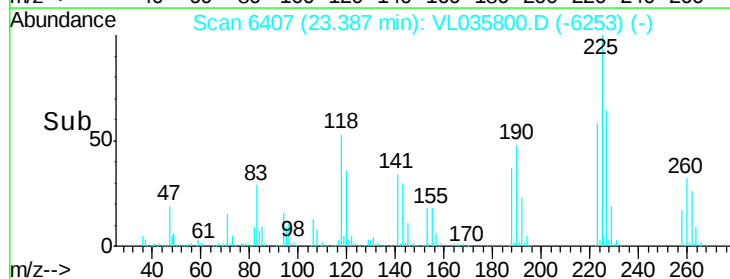
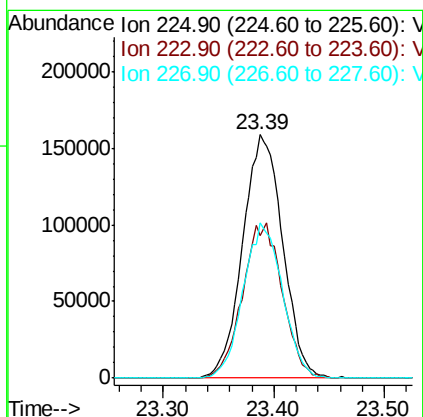
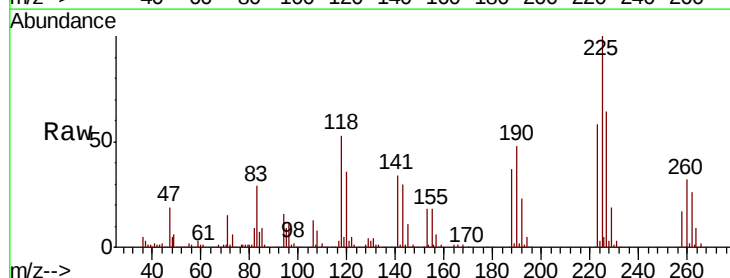
RT: 23.39 min Scan# 6407

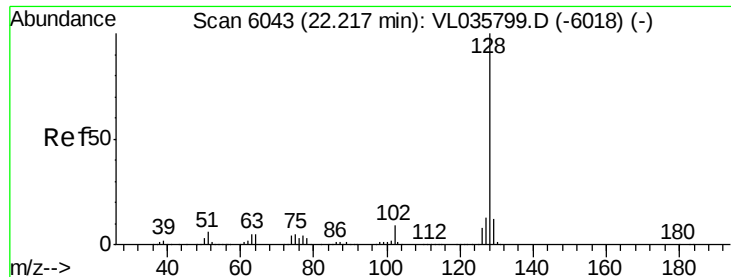
Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion:	225	Resp:	399282
Ion Ratio		Lower	Upper
225	100		
223	63.6	51.0	76.6
227	62.7	51.2	76.8





#79

Naphthalene

Concen: 1.624 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

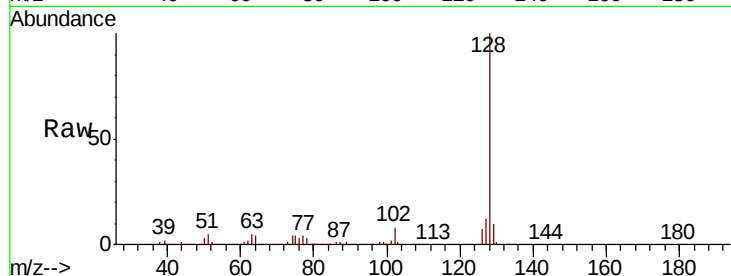
ClientSampleId :

VSTDIC002

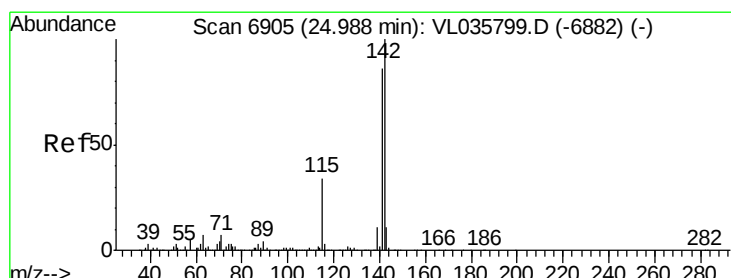
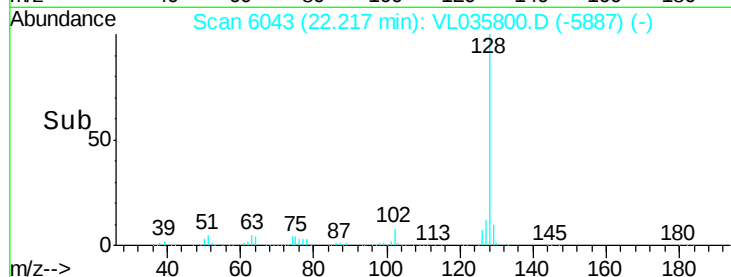
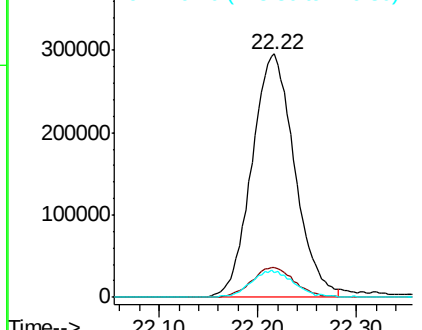
Tot Ion:	128	Resp:	883507
Ion Ratio		Lower	Upper
128	100		
127	12.3	10.2	15.4
129	10.3	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:09 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.029 ppbv

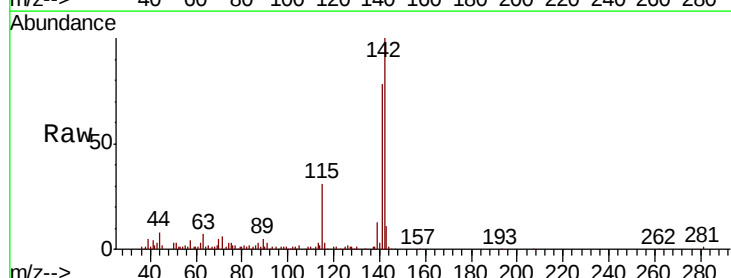
RT: 24.99 min Scan# 6905

Delta R.T. 0.00 min

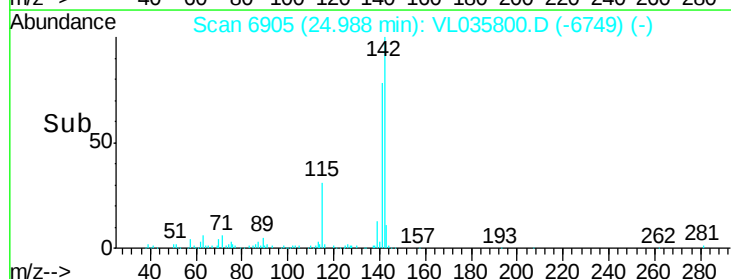
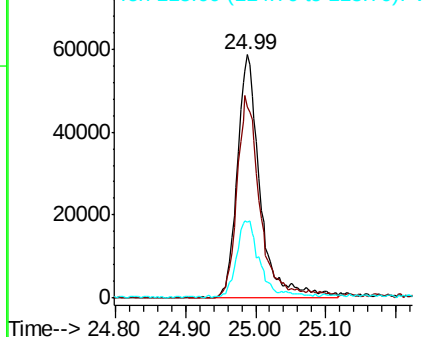
Lab File: VL035800.D

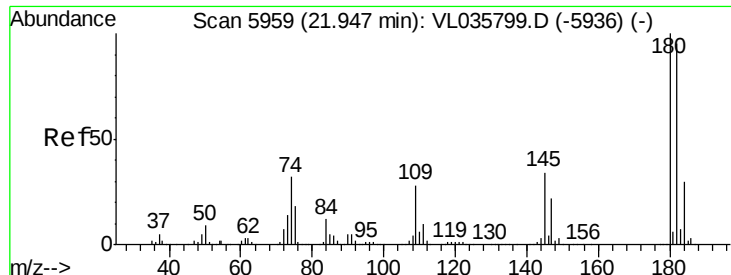
Acq: 3 Nov 2020 11:11

Tgt Ion:	142	Resp:	132030
Ion Ratio		Lower	Upper
142	100		
141	85.3	67.8	101.8
115	33.1	28.1	42.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 1.802 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	508049		
182	96.5		77.2	115.8
184	30.7		24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:09 PM

