

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037215.D
 Acq On : 17 Jun 2021 23:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:58:43 PM

Quant Time: Jun 18 03:12:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1389566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4131090	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3716170m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2962947	10.52	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2361924	9.774 ppbv	98
3) Chlorodifluoromethane	2.99	51	2699904	9.992 ppbv	99
4) Chloromethane	3.14	50	920820	10.226 ppbv	98
5) Vinyl Chloride	3.25	62	997938	10.083 ppbv	100
6) Bromomethane	3.47	94	612789	10.379 ppbv	99
7) Chloroethane	3.56	64	351154	9.926 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2542679	10.256 ppbv	97
9) Propene	3.01	41	898290	10.398 ppbv	99
10) Heptane	8.12	43	2248868	10.748 ppbv	99
11) Trichlorofluoromethane	3.95	101	2649993	10.277 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1867851	10.276 ppbv	100
13) Ethanol	3.61	45	114508m	8.568 ppbv	
14) Bromoethene	3.74	108	799959	10.544 ppbv	99
15) Acetone	3.85	43	1364981	8.711 ppbv	98
16) 1,3-Butadiene	3.32	39	989320	10.680 ppbv	99
17) tert-Butyl alcohol	4.29	59	1449228	10.007 ppbv	100
18) 1,1-Dichloroethene	4.29	96	826462	10.260 ppbv	95
19) Isopropyl Alcohol	3.97	45	851863	8.976 ppbv #	98
20) Methylene Chloride	4.34	84	697349	7.434 ppbv	97
21) Allyl Chloride	4.41	41	1264717	10.708 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	822840	10.323 ppbv	97
23) Vinyl Acetate	5.07	43	2550454	11.351 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1927061	10.653 ppbv	100
25) Ethyl Acetate	5.68	43	3600541	10.614 ppbv	99
26) Hexane	5.68	57	1698556	9.907 ppbv	99
27) Carbon Disulfide	4.55	76	1906179	11.347 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2195053	10.649 ppbv	99
29) Chloroform	5.75	83	2703698	10.208 ppbv	98
30) Cyclohexane	7.13	84	1475517	10.329 ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1701541	10.800 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2766495	9.761 ppbv	99
34) 2-Butanone	5.25	43	1682647	10.473 ppbv	99
35) Carbon Tetrachloride	7.02	117	2926054	10.560 ppbv	98
36) Benzene	6.89	78	3533832	10.579 ppbv	100
37) 1,2-Dichloroethane	6.30	62	2067188	10.653 ppbv	100
38) Trichloroethene	7.83	130	1460788	9.200 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1355447	10.919 ppbv	99
40) 1,4-Dioxane	7.83	88	328442	9.649 ppbv	67
41) Tetrahydrofuran	6.05	42	830675	11.131 ppbv	99
42) Bromodichloromethane	7.79	83	2877629	10.749 ppbv	100
43) Methyl Methacrylate	8.01	69	1299949m	11.268 ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037215.D
 Acq On : 17 Jun 2021 23:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

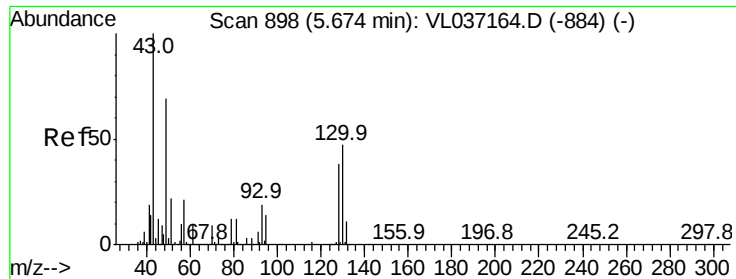
Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:58:43 PM

Quant Time: Jun 18 03:12:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5781686	10.278	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1328242	13.050	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1677567	12.048	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1466362	10.355	ppbv	98
48) Dibromochloromethane	10.30	129	2546240	11.390	ppbv	99
49) Bromoform	13.04	173	2016798	12.109	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2428725	11.006	ppbv	99
51) 2-Hexanone	10.14	43	1235561	11.508	ppbv #	98
52) Tetrachloroethene	11.22	164	1438668	9.268	ppbv	98
53) Toluene	9.80	91	4222972	10.583	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2169521	10.660	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1732935	10.666	ppbv	95
57) Chlorobenzene	12.15	112	3136444	10.407	ppbv	97
58) Ethyl Benzene	12.71	91	5499616	10.750	ppbv	98
59) m/p-Xylene	13.00	91	9236569m	21.305	ppbv	
60) o-Xylene	13.69	91	4347361	10.531	ppbv	100
61) Styrene	13.53	104	2500015	11.734	ppbv	98
62) Isopropylbenzene	14.66	105	6051918	10.310	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2837530	10.323	ppbv	100
64) n-propylbenzene	15.56	120	1608966	10.945	ppbv	97
65) tert-Butylbenzene	16.74	119	5347165	10.270	ppbv	99
66) Benzyl Chloride	16.99	91	256105	11.608	ppbv	99
67) sec-Butylbenzene	17.29	105	7152540	10.303	ppbv	100
69) p-Isopropyltoluene	17.65	119	6199551	10.572	ppbv	99
70) n-Butylbenzene	18.55	91	5879188	10.833	ppbv	99
71) 2-Chlorotoluene	15.45	91	4394752	10.708	ppbv	98
72) 4-Ethyltoluene	15.84	105	5254275	11.204	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4731168	10.437	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4858898	10.403	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2952716	10.397	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2845034	10.030	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2809576	10.227	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2124062	8.992	ppbv	100
79) Naphthalene	22.20	128	4586230	11.777	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1168074	11.437	ppbv	91
81) 1,2,4-Trichlorobenzene	21.92	180	2449728	10.901	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1389566

Ion Ratio Lower Upper

49 100

128 57.4 29.3 88.0

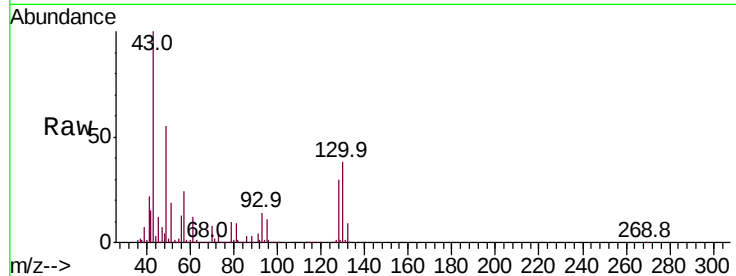
130 70.8 35.9 107.8

Manual Integrations

APPROVED

MMDadoda

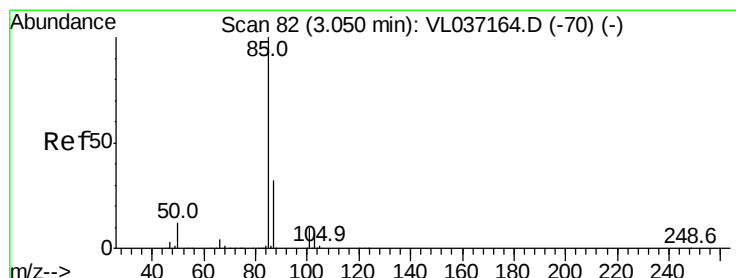
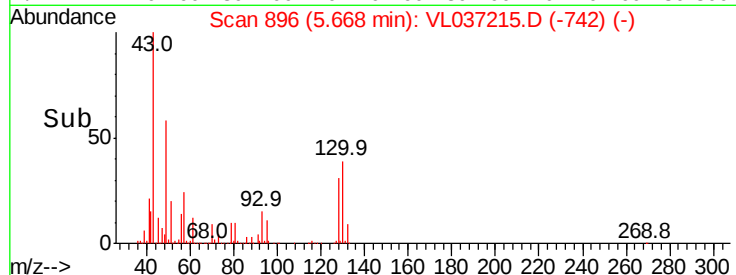
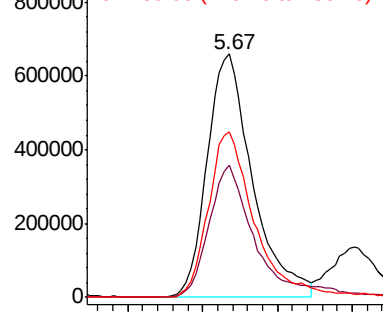
6/21/2021 12:58:43 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.774 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037215.D

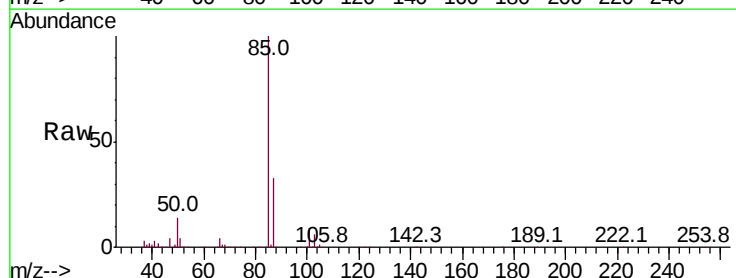
Acq: 17 Jun 2021 23:51

Tgt Ion: 85 Resp: 2361924

Ion Ratio Lower Upper

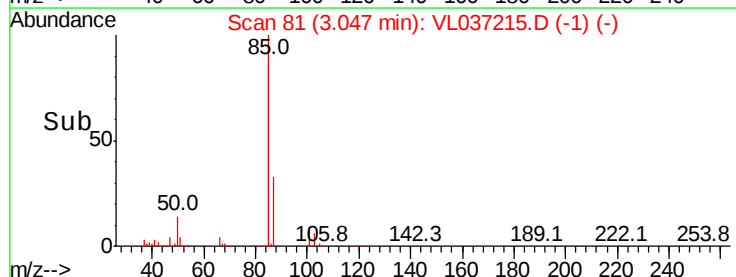
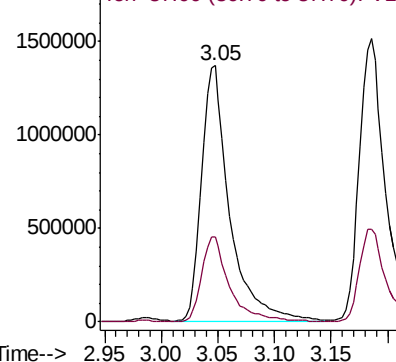
85 100

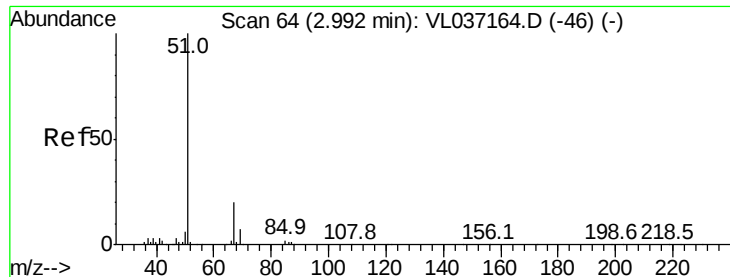
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.992 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2699904

Ion Ratio Lower Upper

51 100

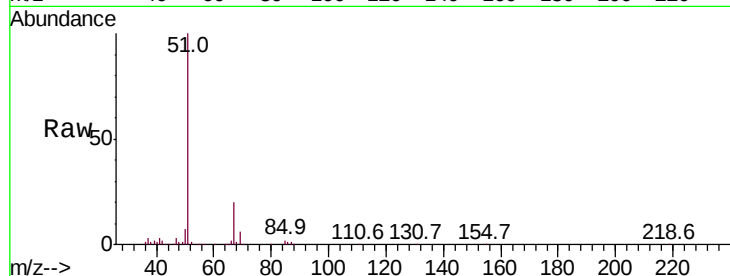
67 19.5 15.8 23.6

Manual Integrations

APPROVED

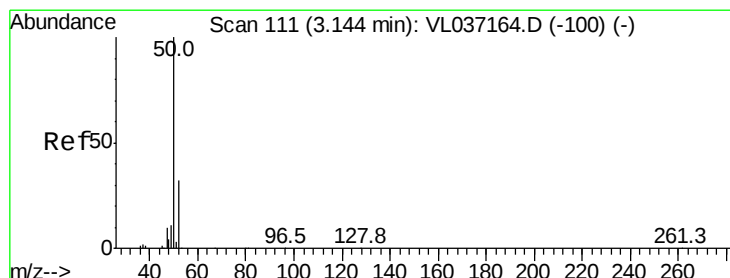
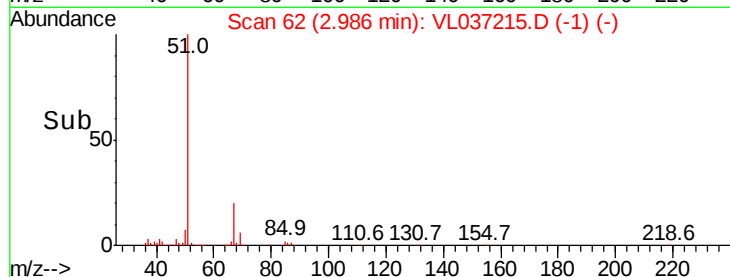
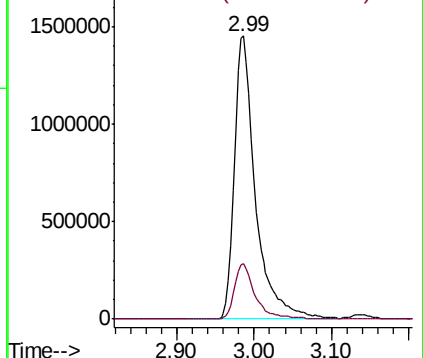
MMDadoda

6/21/2021 12:58:43 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.226 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037215.D

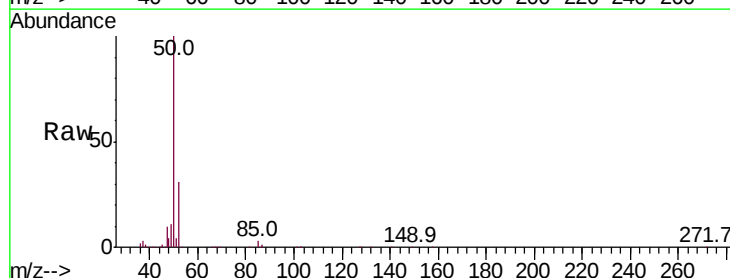
Acq: 17 Jun 2021 23:51

Tgt Ion: 50 Resp: 920820

Ion Ratio Lower Upper

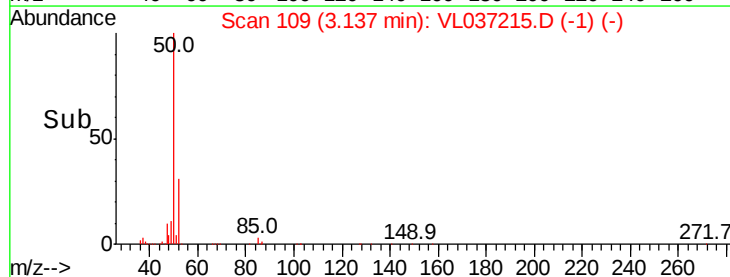
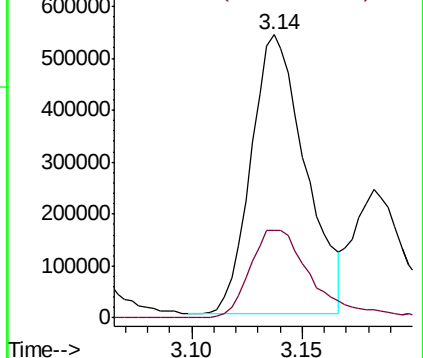
50 100

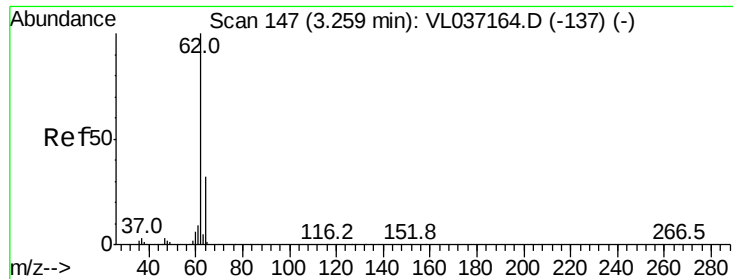
52 31.4 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.083 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 997938

Ion Ratio Lower Upper

62 100

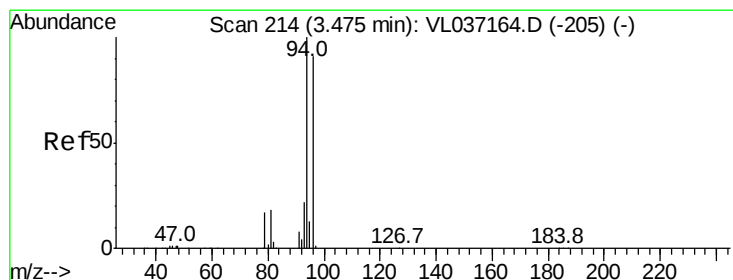
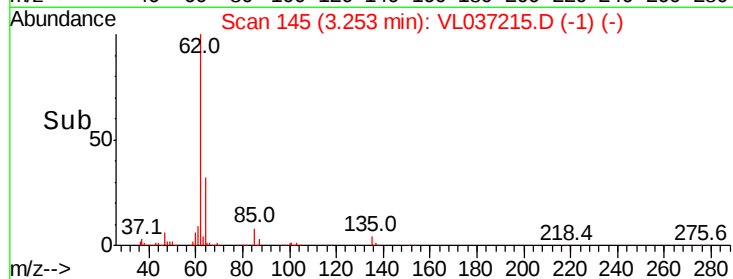
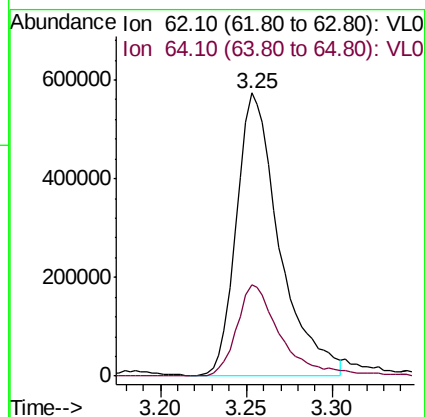
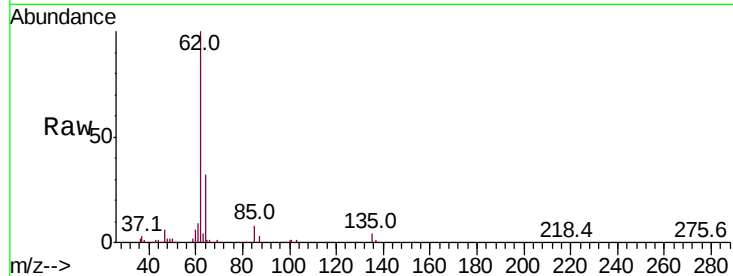
64 32.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#6

Bromomethane

Concen: 10.379 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037215.D

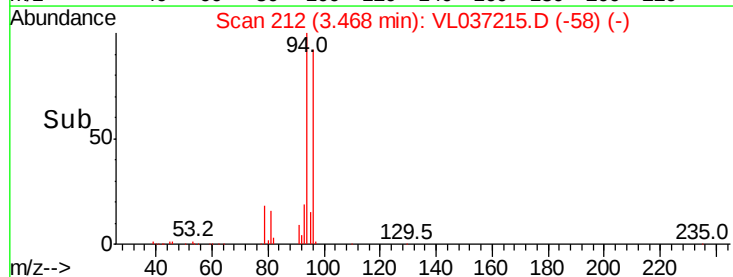
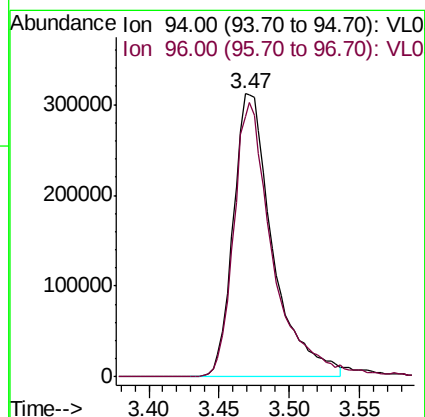
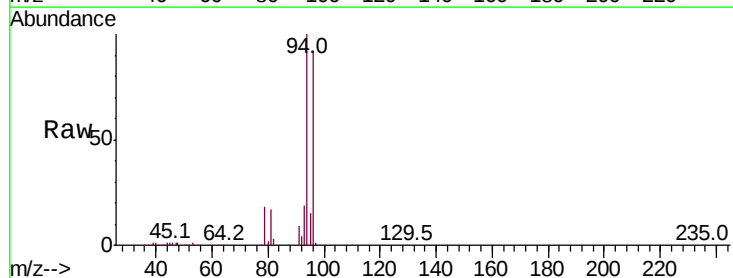
Acq: 17 Jun 2021 23:51

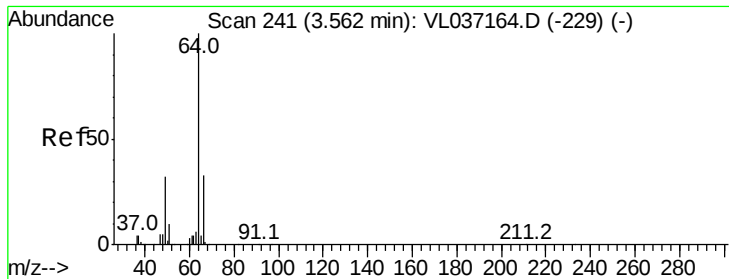
Tgt Ion: 94 Resp: 612789

Ion Ratio Lower Upper

94 100

96 91.8 72.6 108.8





#7

Chloroethane

Concen: 9.926 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 351154

Ion Ratio Lower Upper

64 100

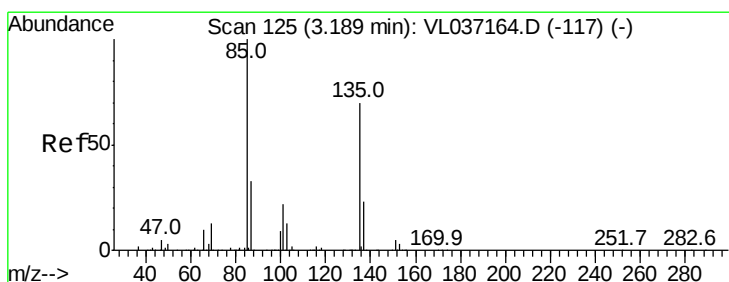
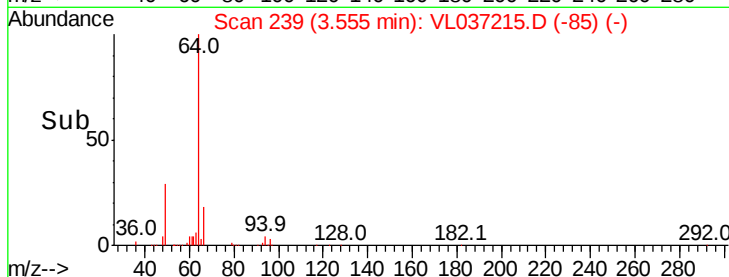
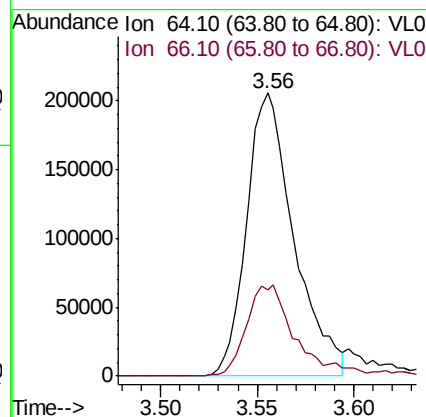
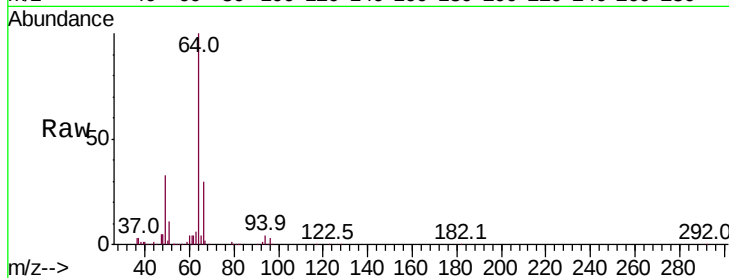
66 30.4 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#8

Dichlorotetrafluoroethane

Concen: 10.256 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037215.D

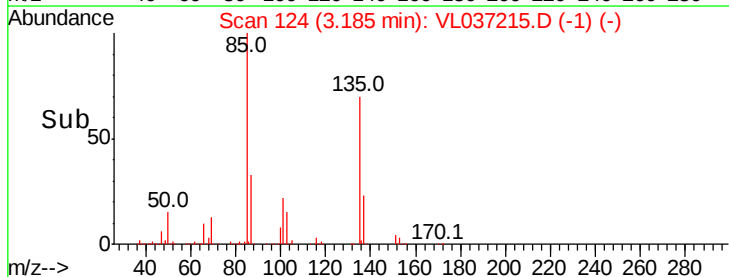
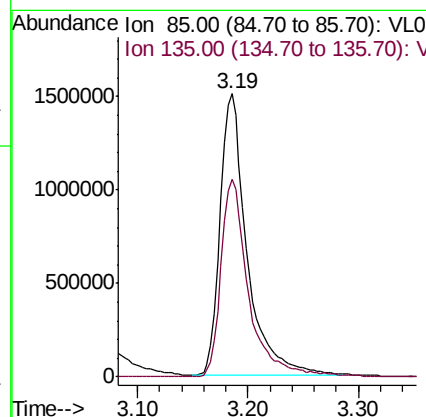
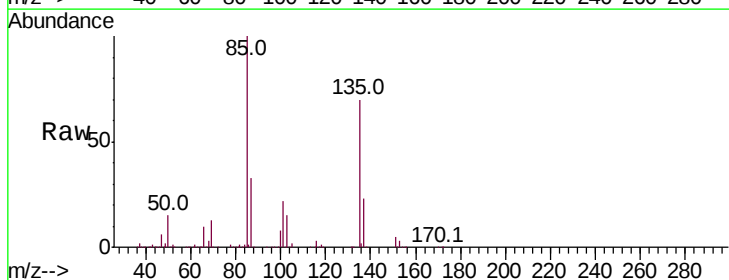
Acq: 17 Jun 2021 23:51

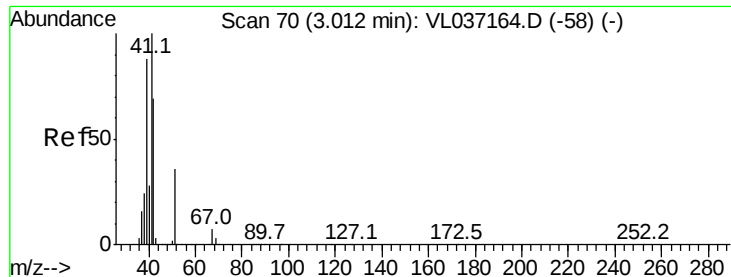
Tgt Ion: 85 Resp: 2542679

Ion Ratio Lower Upper

85 100

135 72.7 60.4 90.6





#9

Propene

Concen: 10.398 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 898290

Ion Ratio Lower Upper

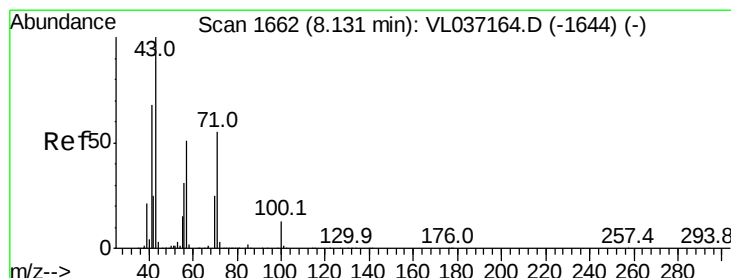
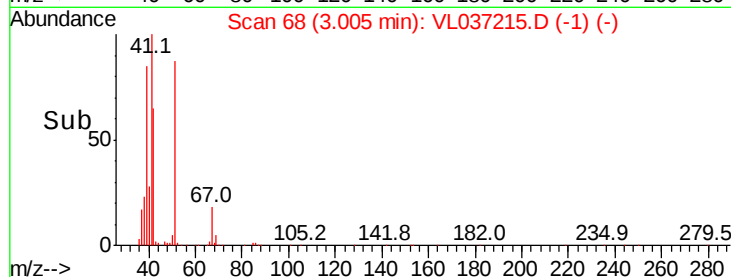
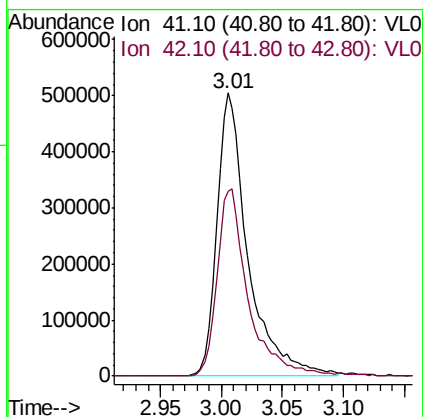
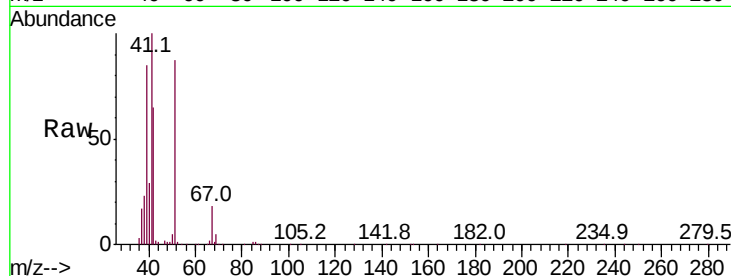
41 100

42 67.2 54.5 81.7

Manual Integrations
APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#10

Heptane

Concen: 10.748 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037215.D

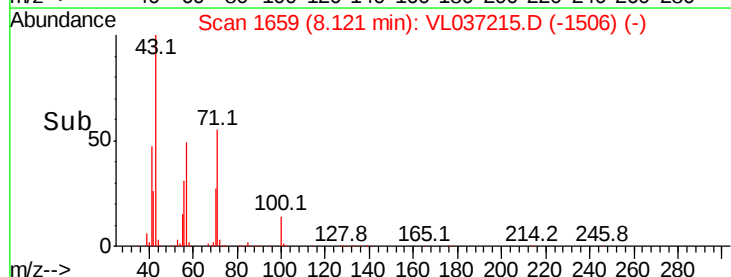
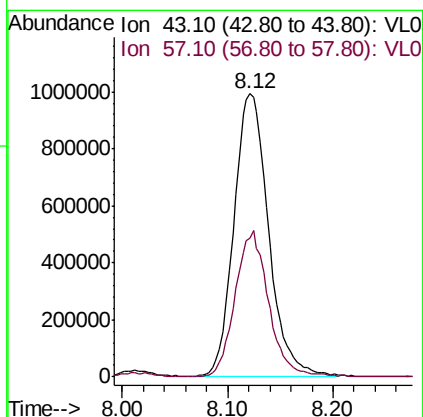
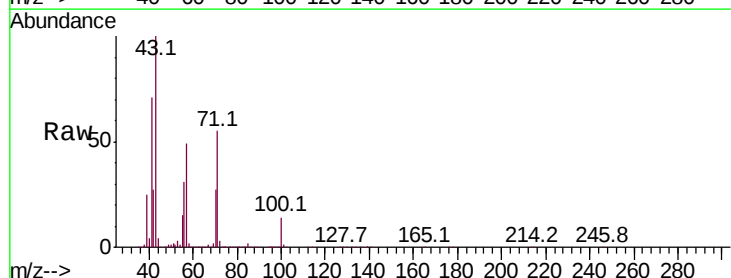
Acq: 17 Jun 2021 23:51

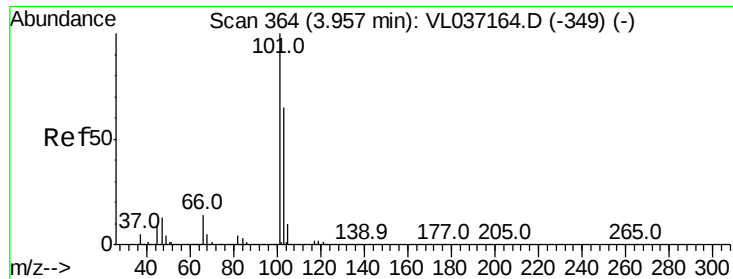
Tgt Ion: 43 Resp: 2248868

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0





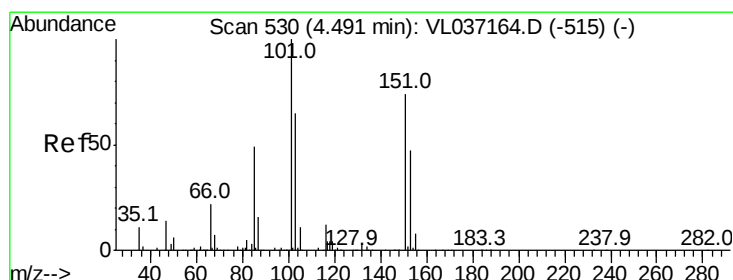
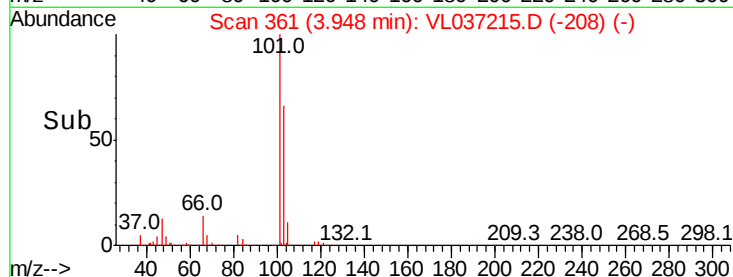
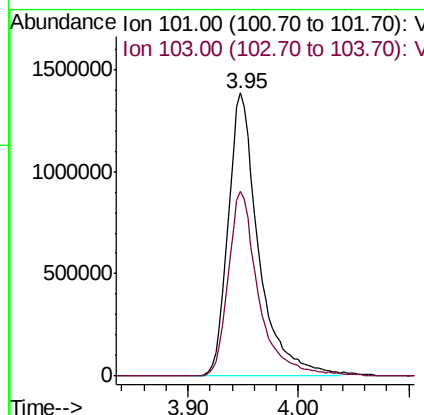
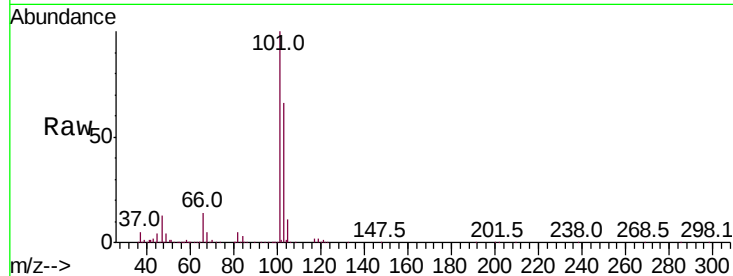
#11
 Trichlorofluoromethane
 Concen: 10.277 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2649993
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.2 78.4

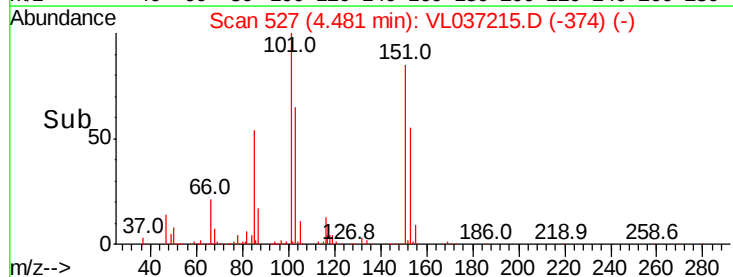
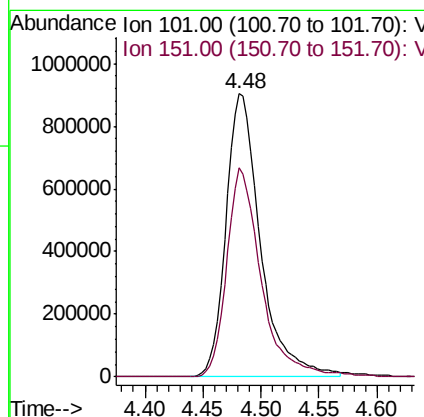
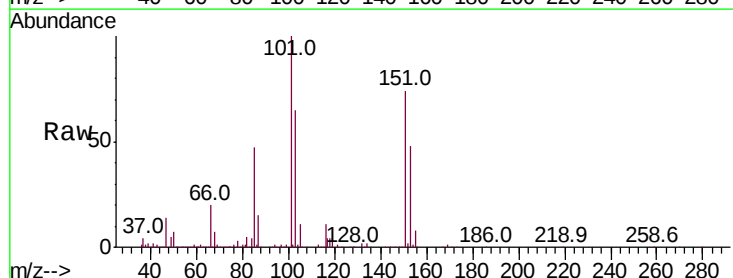
Manual Integrations
 APPROVED

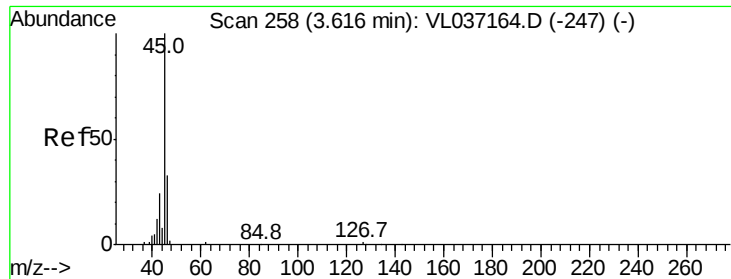
MMDadoda
 6/21/2021 12:58:43 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.276 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:101 Resp: 1867851
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.1 88.7





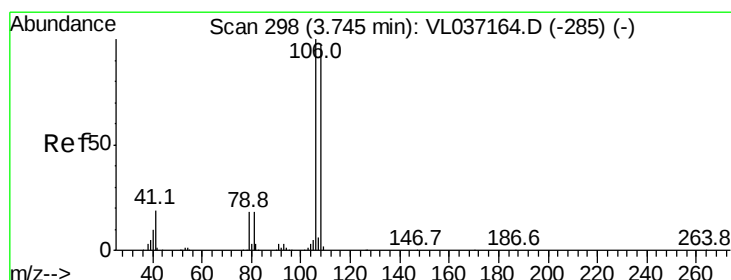
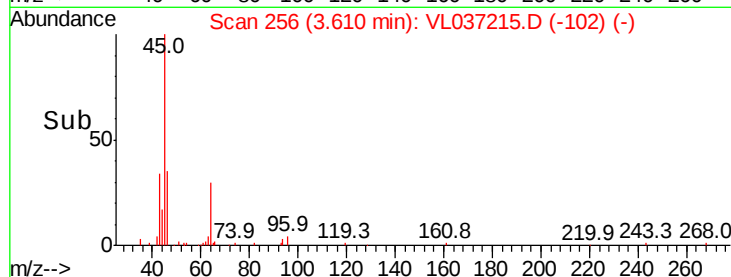
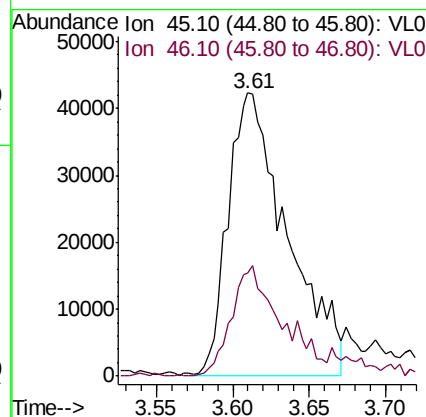
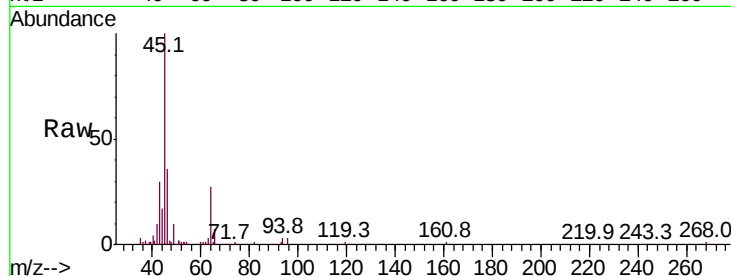
#13
Ethanol
Concen: 8.568 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 114508
Ion Ratio Lower Upper
45 100
46 40.1 34.2 137.0

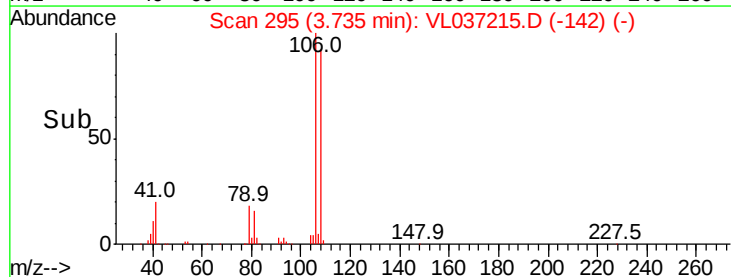
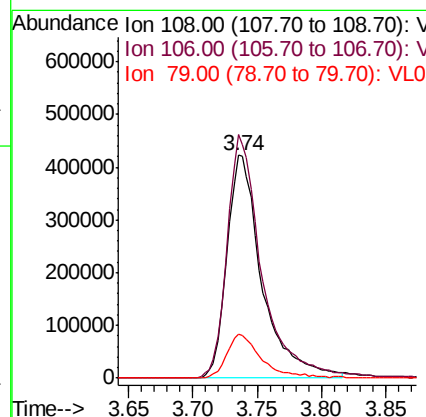
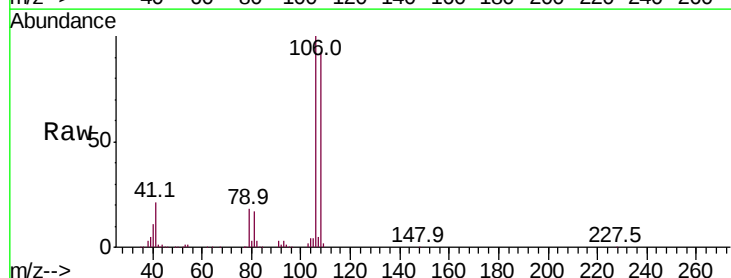
Manual Integrations
APPROVED

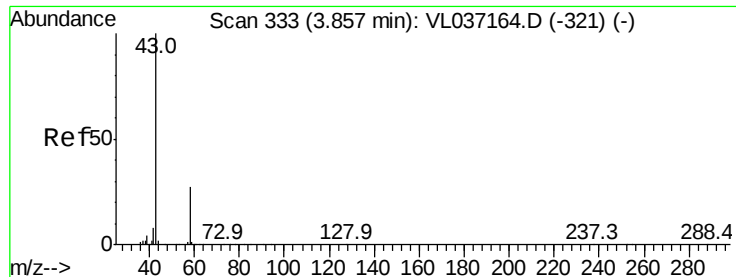
MMDadoda
6/21/2021 12:58:43 PM



#14
Bromoethene
Concen: 10.544 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 108 Resp: 799959
Ion Ratio Lower Upper
108 100
106 109.7 86.8 130.2
79 19.8 15.6 23.4





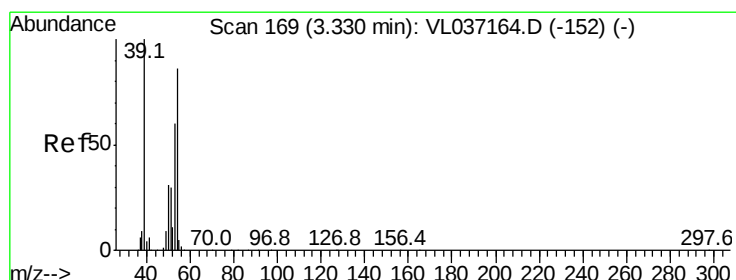
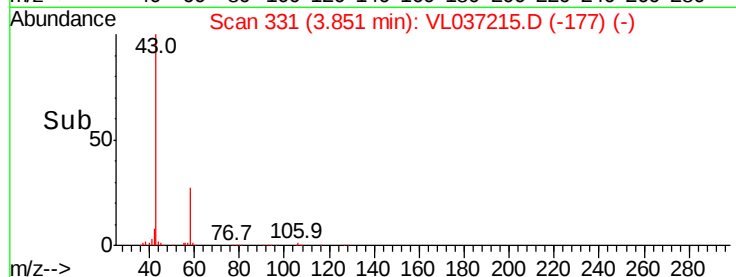
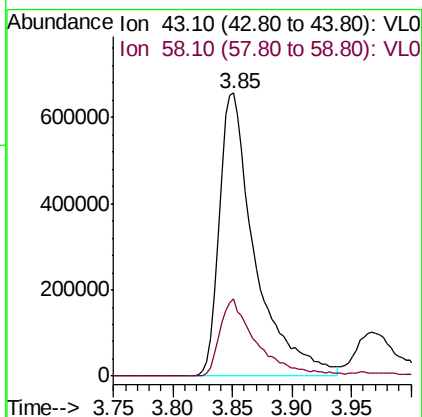
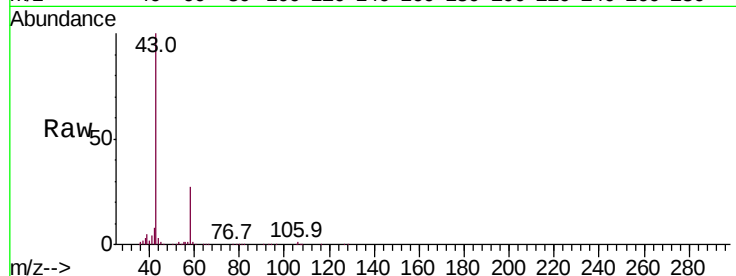
#15
Acetone
Concen: 8.711 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1364981
Ion Ratio Lower Upper
43 100
58 28.3 23.7 35.5

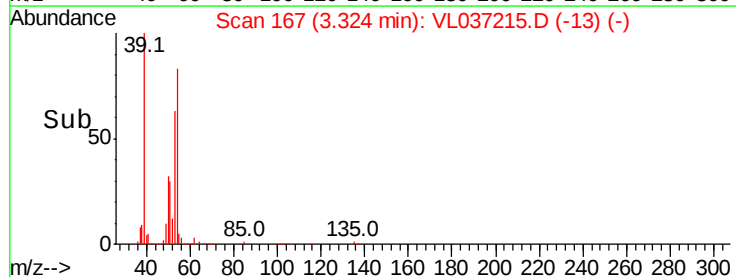
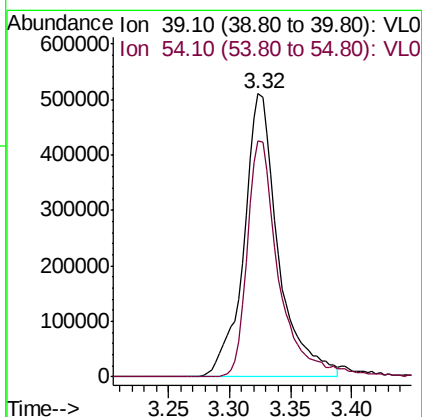
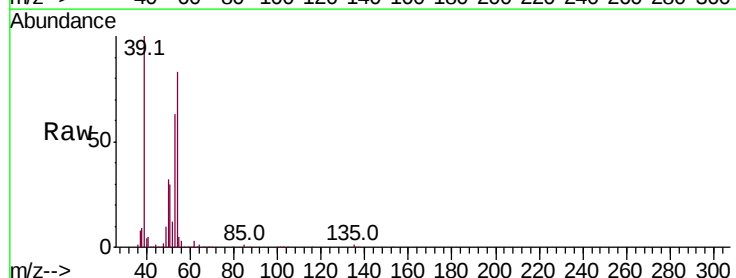
Manual Integrations
APPROVED

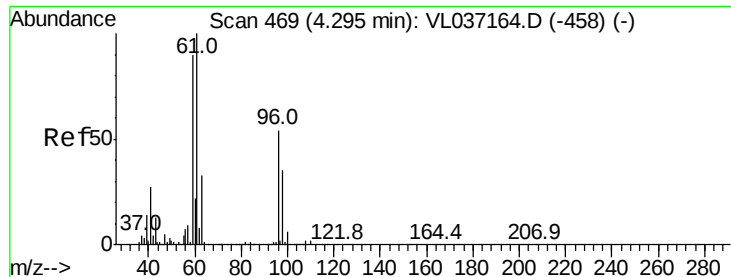
MMDadoda
6/21/2021 12:58:43 PM



#16
1,3-Butadiene
Concen: 10.680 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 39 Resp: 989320
Ion Ratio Lower Upper
39 100
54 77.8 61.2 91.8





#17

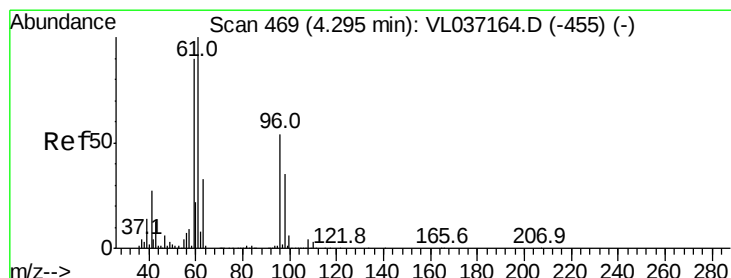
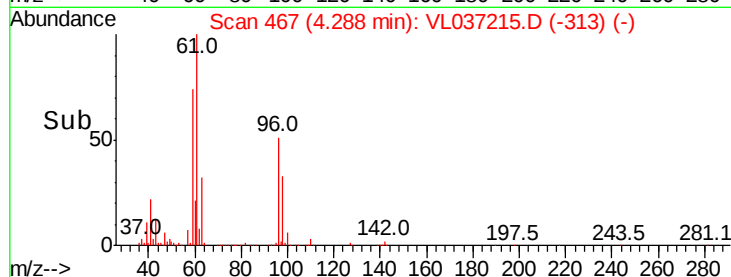
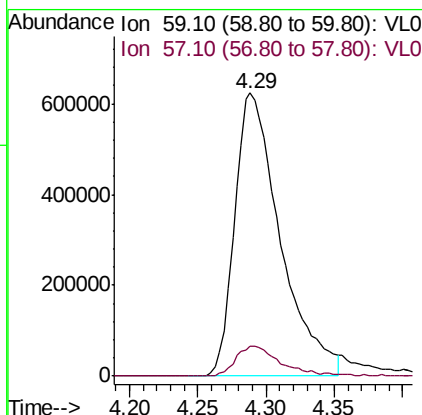
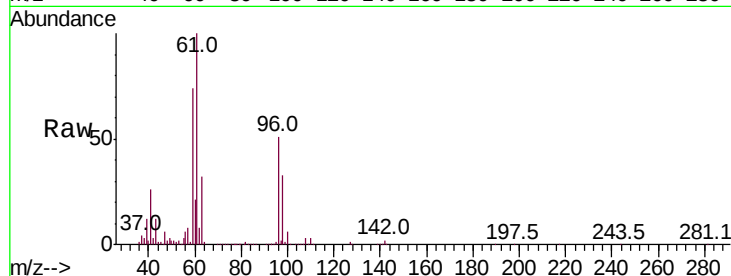
tert-Butyl alcohol
Concen: 10.007 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1449228
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

Manual Integrations
APPROVED

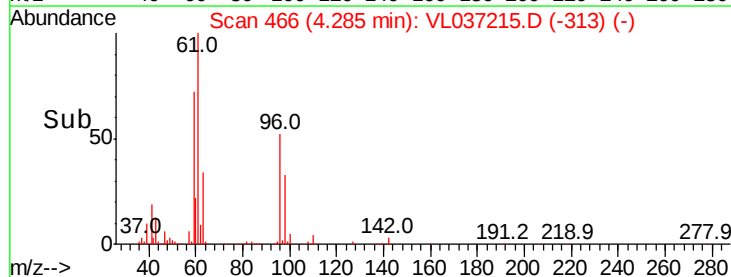
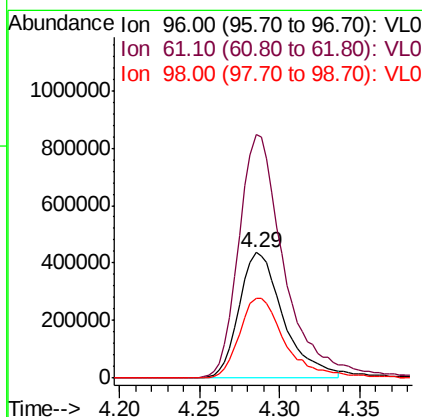
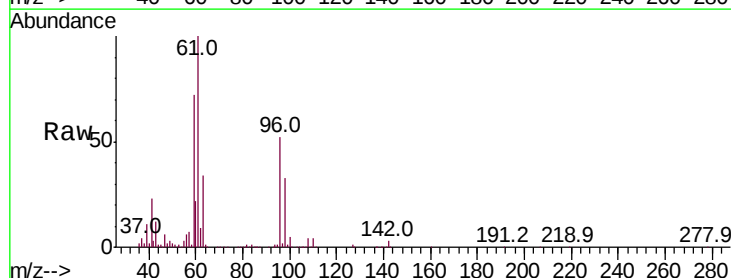
MMDadoda
6/21/2021 12:58:43 PM

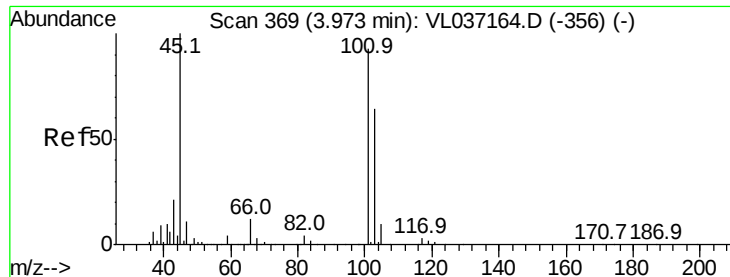


#18

1,1-Dichloroethene
Concen: 10.260 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 96 Resp: 826462
Ion Ratio Lower Upper
96 100
61 193.6 148.6 222.8
98 63.0 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.976 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 851863

Ion Ratio Lower Upper

45 100

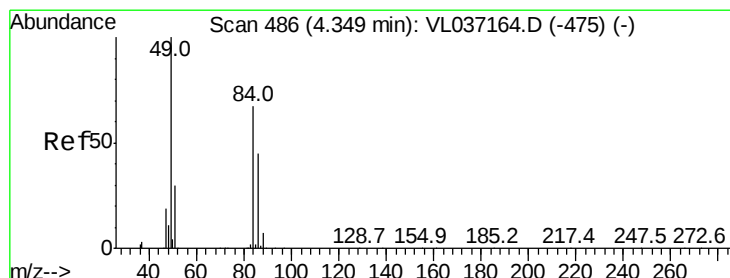
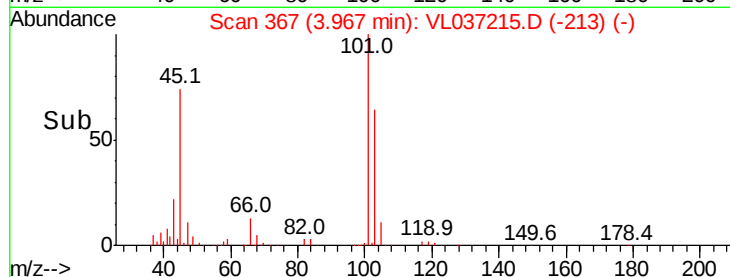
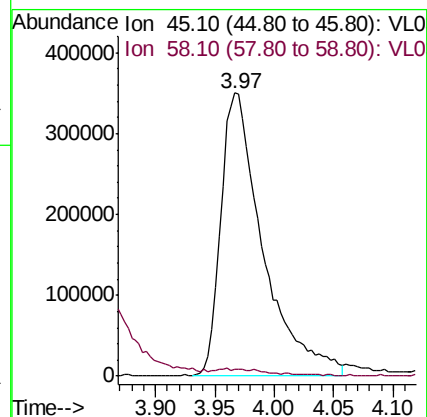
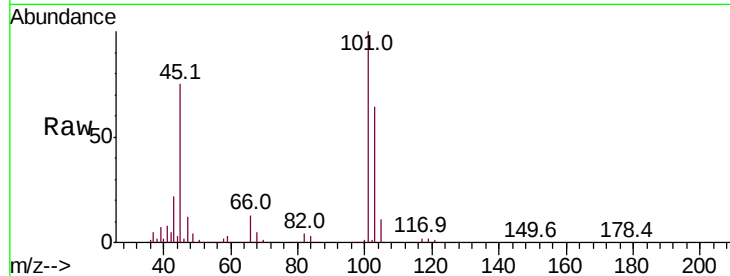
58 3.8 2.4 3.6#

Manual Integrations

APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#20

Methylene Chloride

Concen: 7.434 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion: 84 Resp: 697349

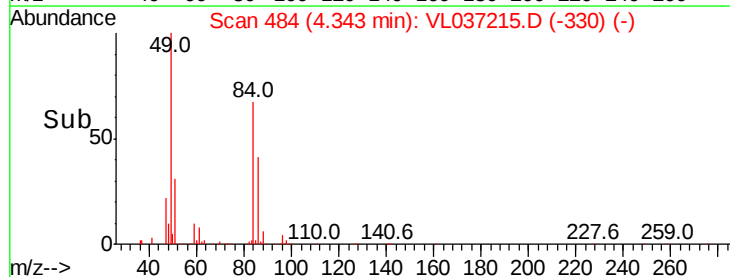
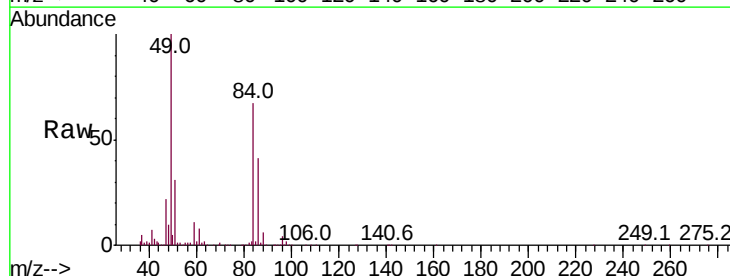
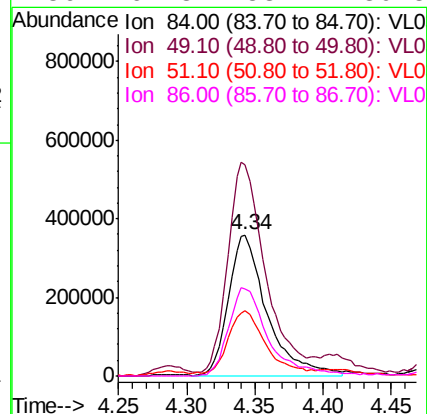
Ion Ratio Lower Upper

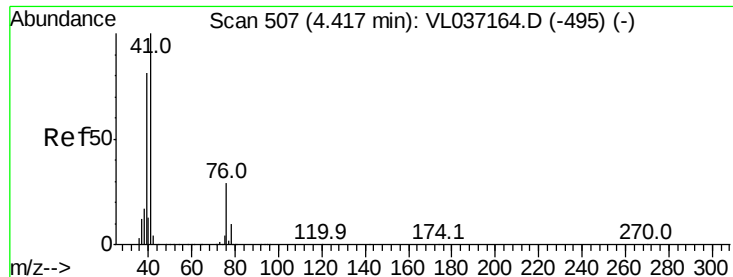
84 100

49 147.0 119.7 179.5

51 44.3 36.1 54.1

86 61.8 53.7 80.5





#21

Allvl Chloride

Concen: 10.708 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

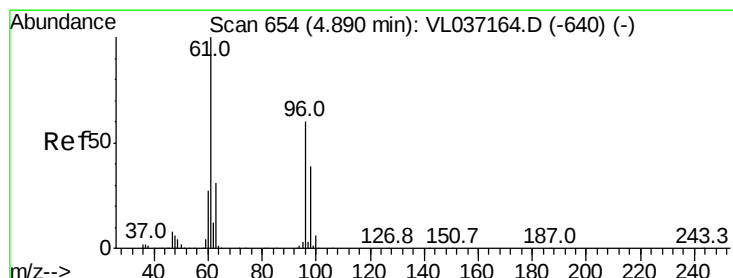
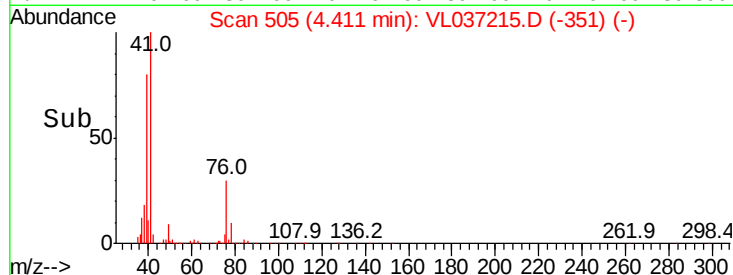
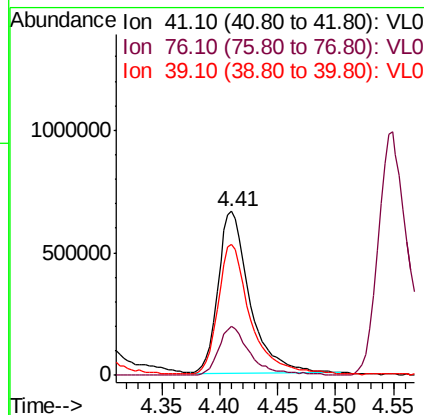
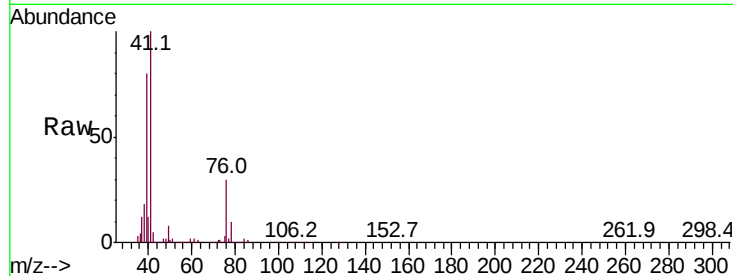
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1264717
Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.6	37.0
39	81.5	65.4	98.0

Manual Integrations
APPROVED

MMDadoda
6/21/2021 12:58:43 PM



#22

trans-1,2-Dichloroethene

Concen: 10.323 ppbv

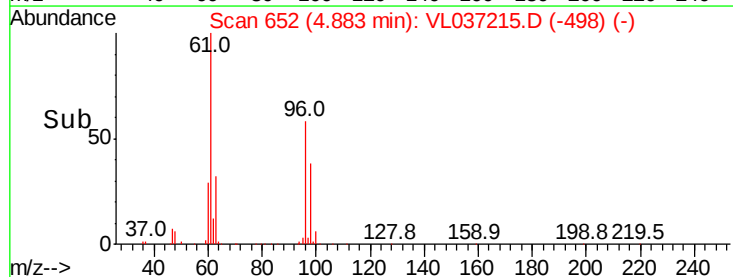
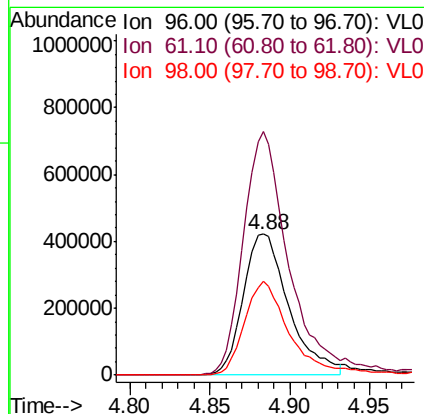
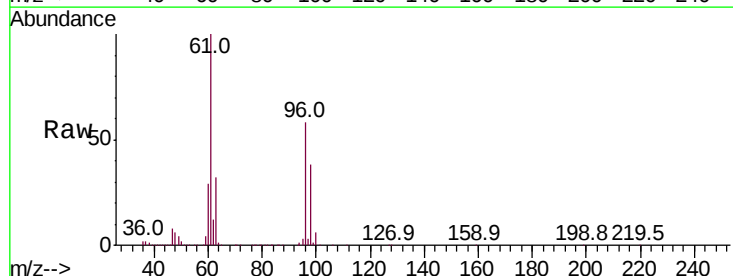
RT: 4.88 min Scan# 652

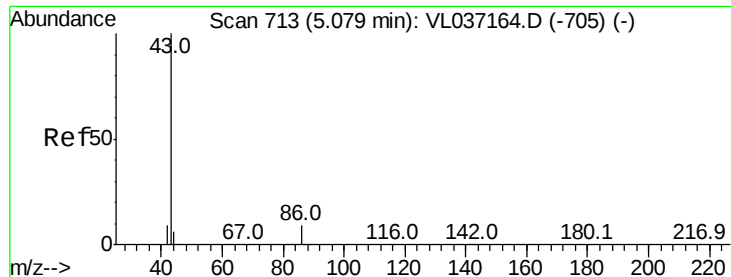
Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion:	96	Resp:	822840
Ion	Ratio	Lower	Upper
96	100		
61	172.6	133.9	200.9
98	66.4	52.9	79.3





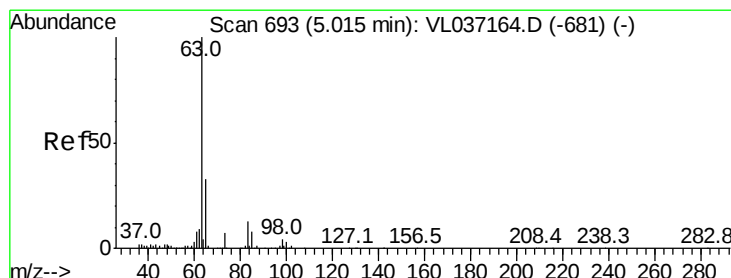
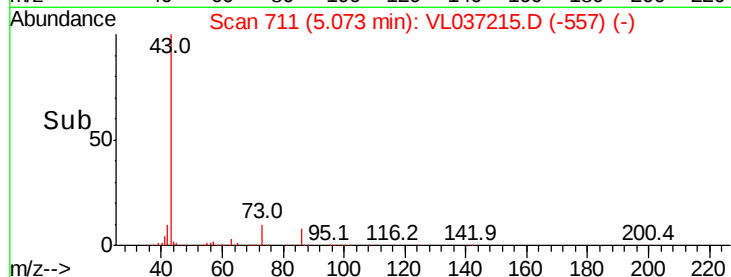
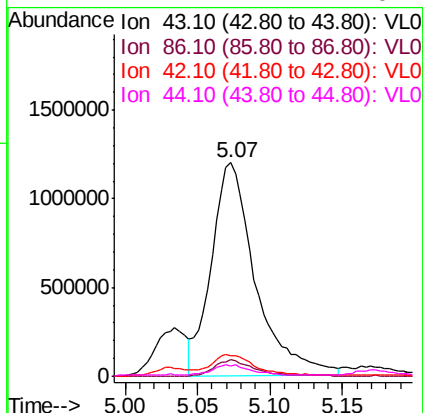
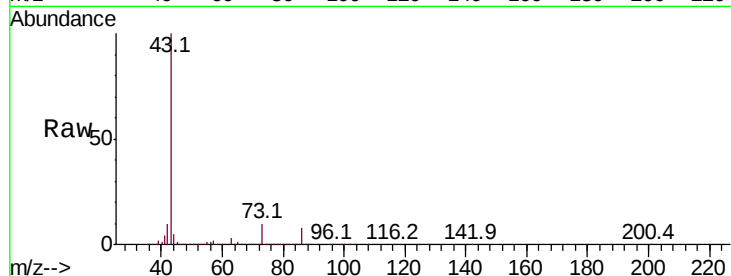
#23
 Vinyl Acetate
 Concen: 11.351 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	2550454
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.8	8.8
42	9.5	8.2	12.2
44	4.4	4.2	6.4

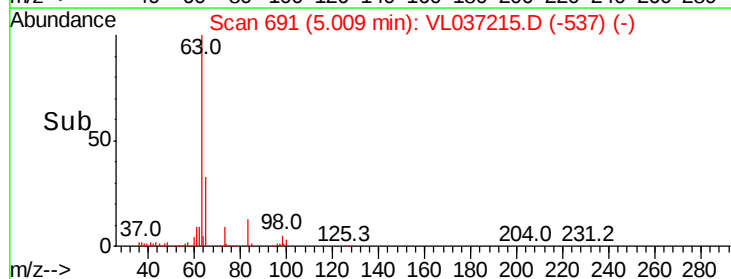
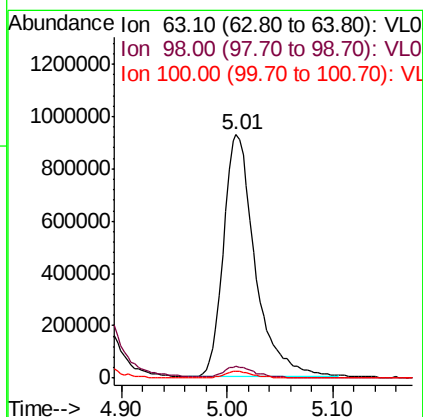
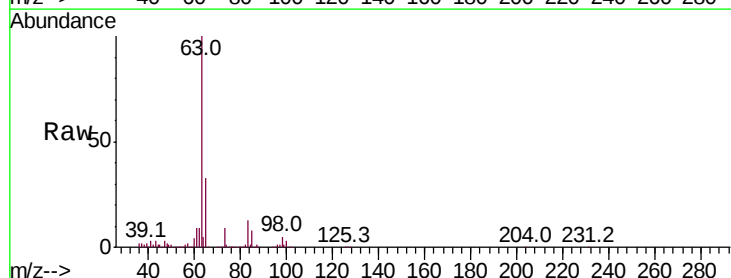
Manual Integrations
 APPROVED

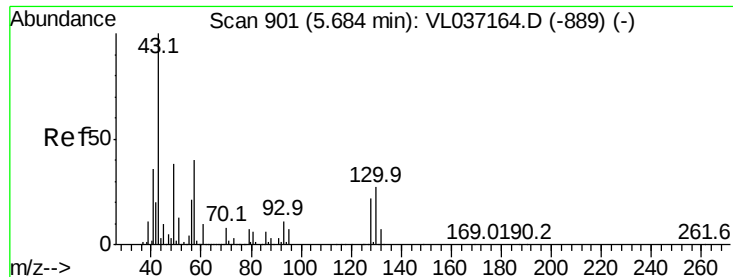
MMDadoda
 6/21/2021 12:58:43 PM



#24
 1,1-Dichloroethane
 Concen: 10.653 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion	63	Resp	1927061
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.5
100	2.7	1.4	4.0





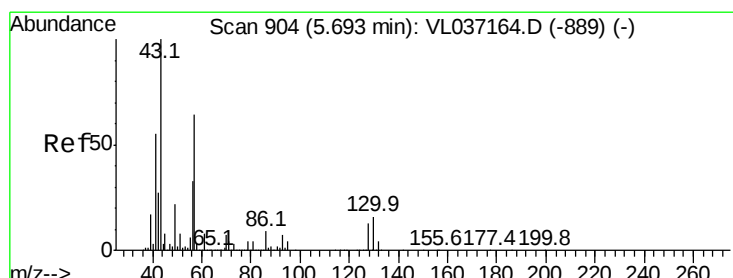
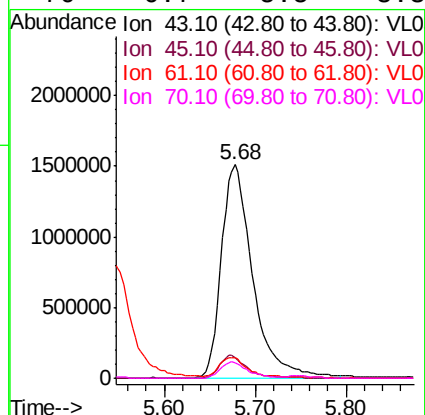
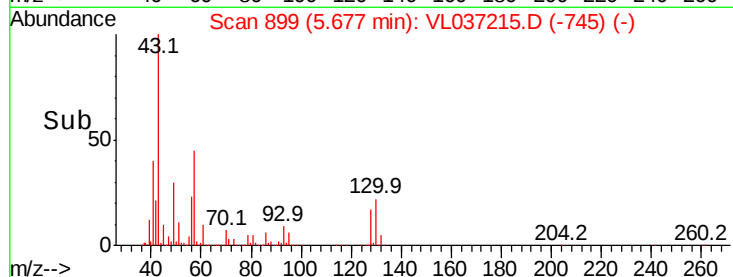
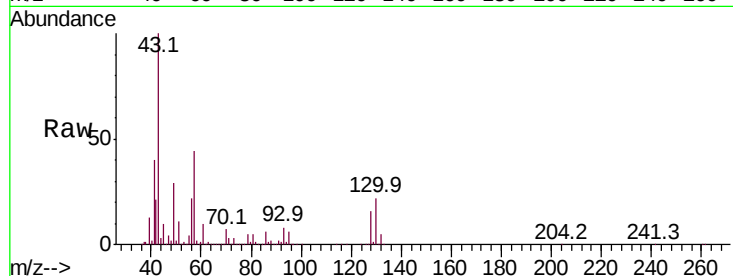
#25
Ethyl Acetate
Concen: 10.614 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3600541
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.5	8.1	12.1
70	6.7	5.5	8.3

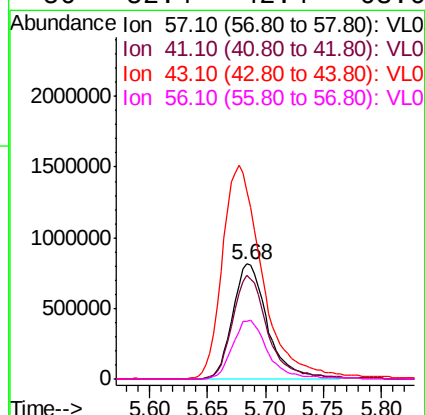
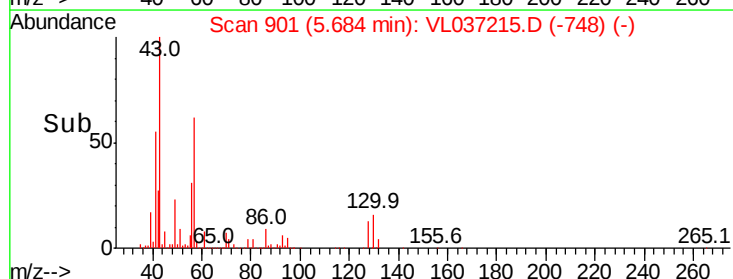
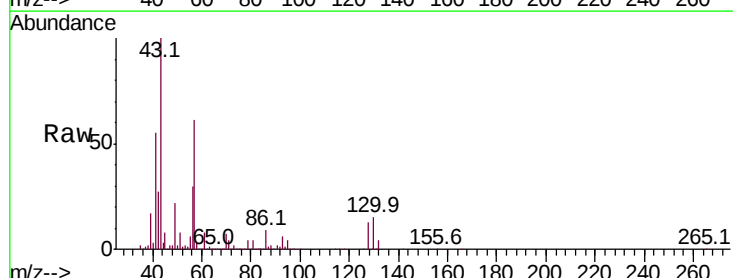
Manual Integrations
APPROVED

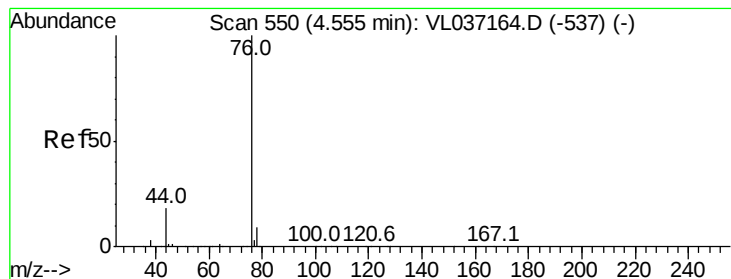
MMDadoda
6/21/2021 12:58:43 PM



#26
Hexane
Concen: 9.907 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion	57	Resp	1698556
Ion	Ratio	Lower	Upper
57	100		
41	91.8	73.5	110.3
43	214.7	170.7	256.1
56	52.4	42.4	63.6





#27

Carbon Disulfide

Concen: 11.347 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1906179

Ion Ratio Lower Upper

76 100

44 19.6 15.4 23.2

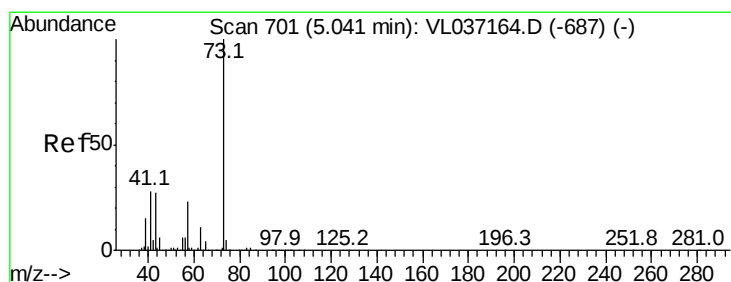
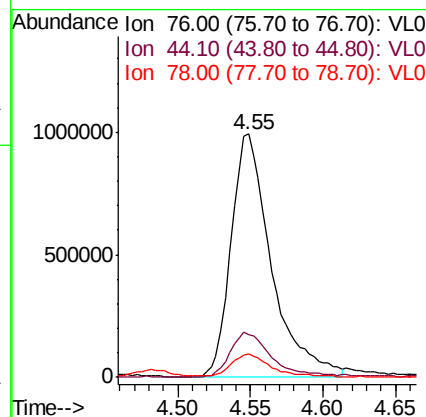
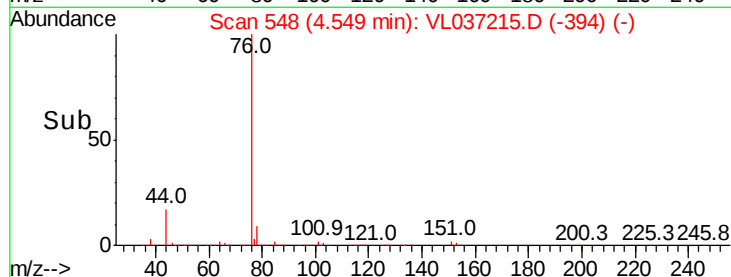
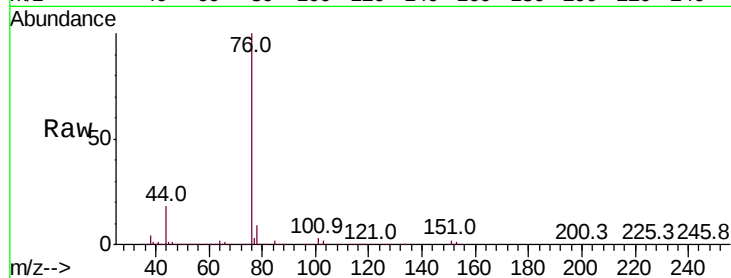
78 9.9 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#28

Methyl tert-Butyl Ether

Concen: 10.649 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL037215.D

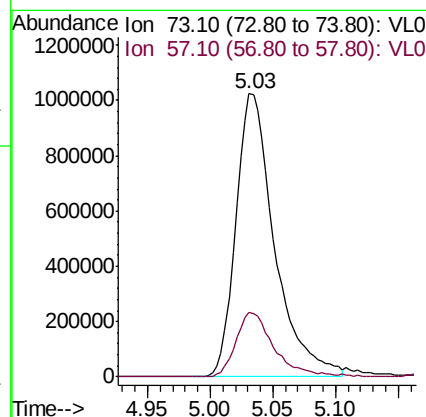
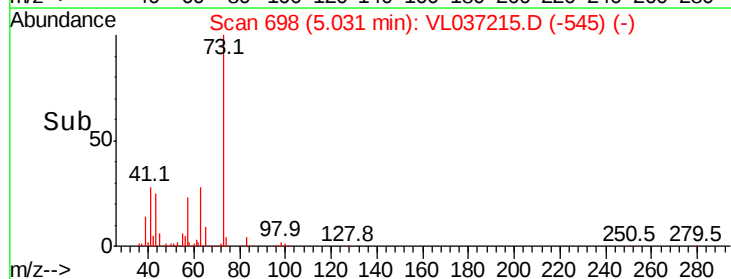
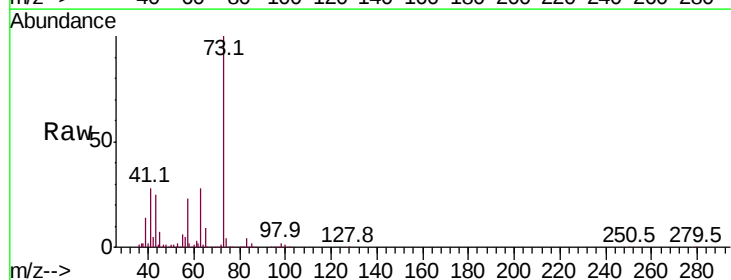
Acq: 17 Jun 2021 23:51

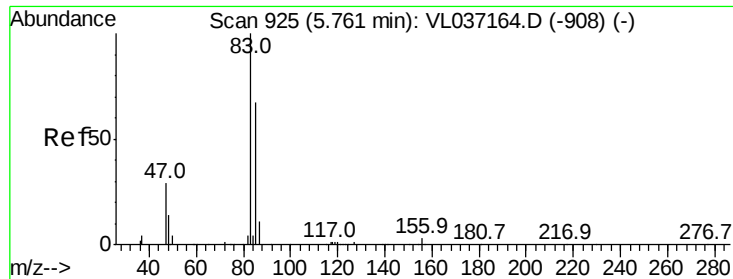
Tgt Ion: 73 Resp: 2195053

Ion Ratio Lower Upper

73 100

57 22.8 18.0 27.0





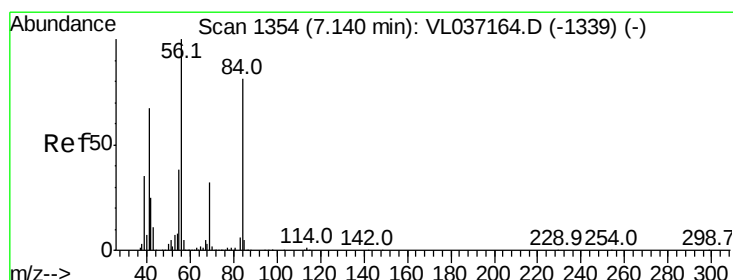
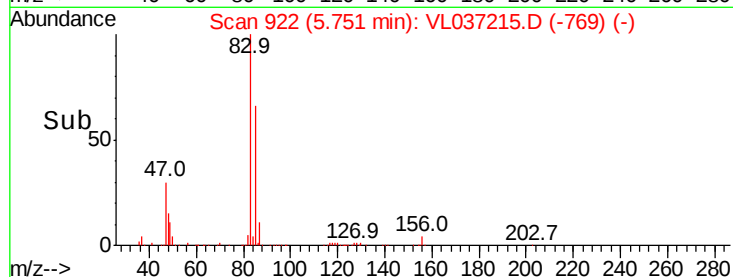
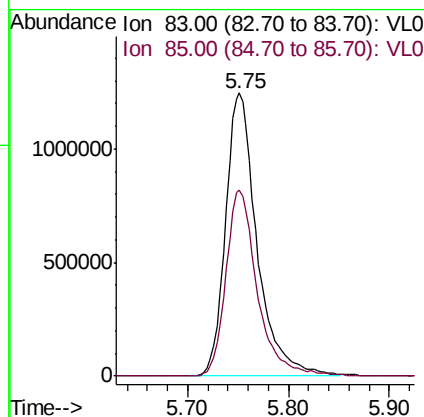
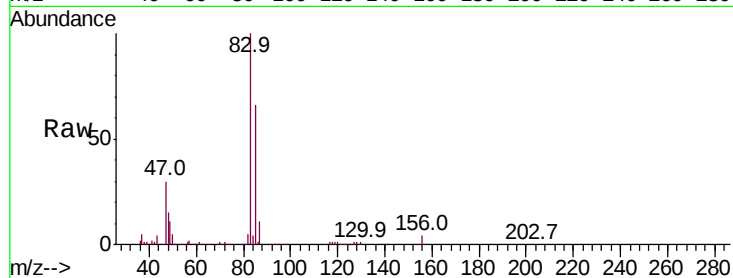
#29
Chloroform
Concen: 10.208 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2703698
Ion Ratio Lower Upper
83 100
85 65.4 53.6 80.4

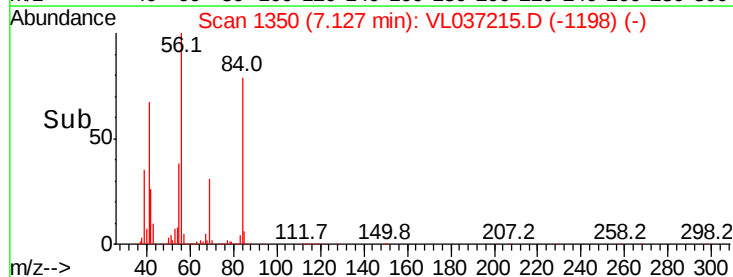
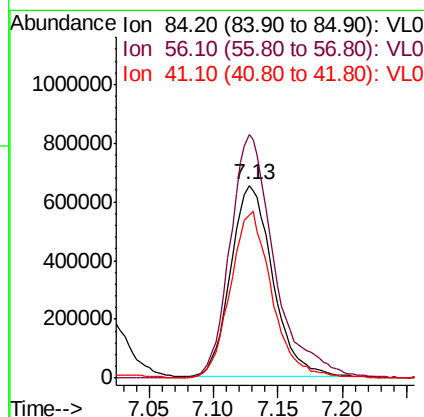
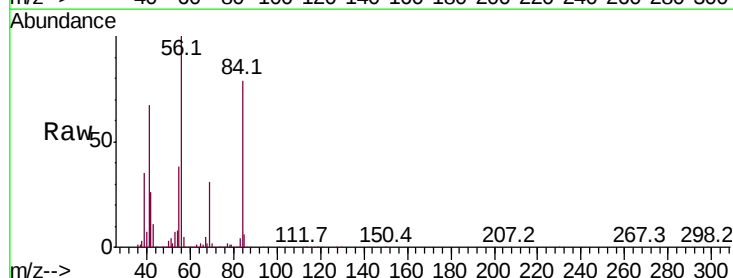
Manual Integrations
APPROVED

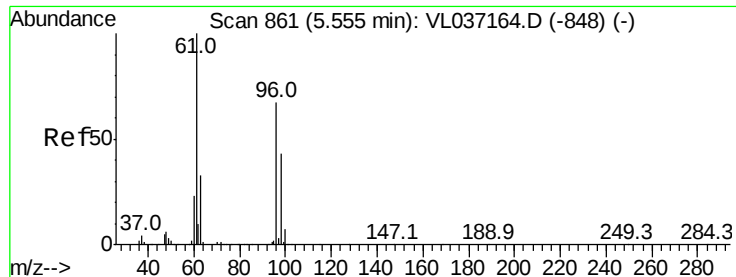
MMDadoda
6/21/2021 12:58:43 PM



#30
Cyclohexane
Concen: 10.329 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 84 Resp: 1475517
Ion Ratio Lower Upper
84 100
56 135.1 107.7 161.5
41 85.8 69.0 103.6





#31

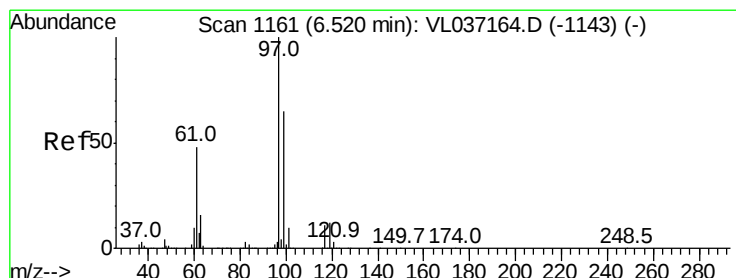
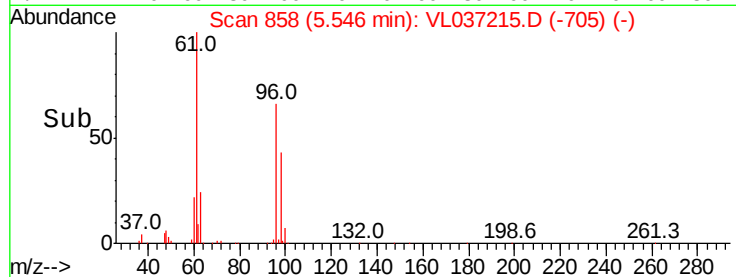
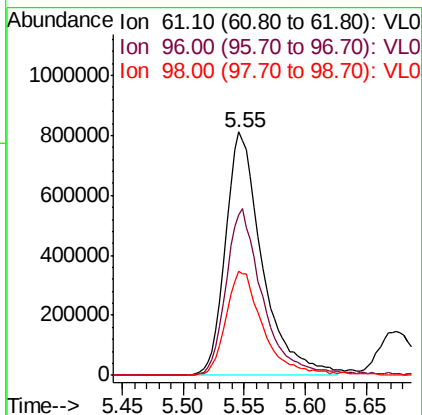
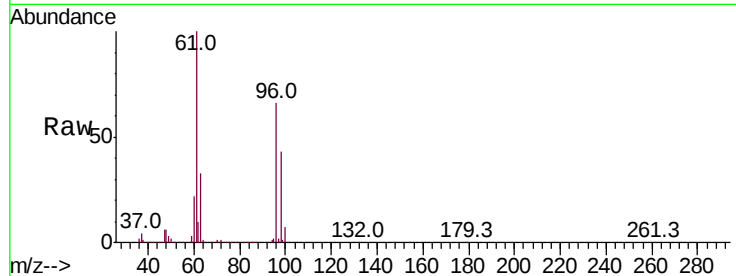
cis-1,2-Dichloroethene
 Concen: 10.800 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.7	53.6	80.4
98	42.7	34.7	52.1

Manual Integrations
 APPROVED

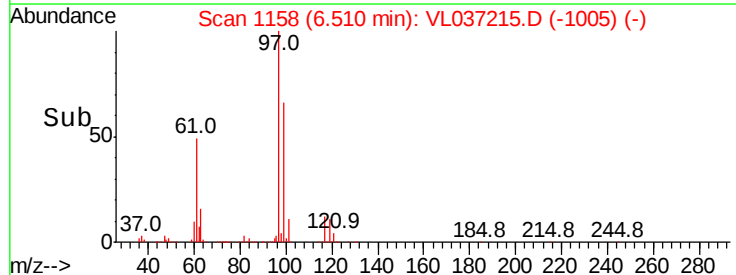
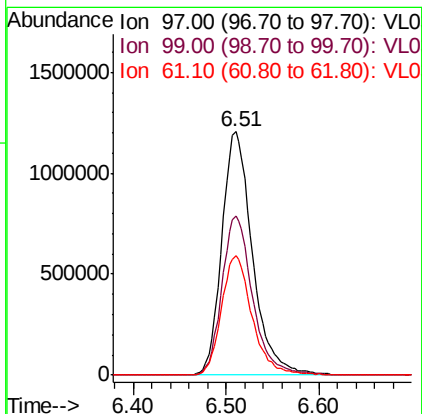
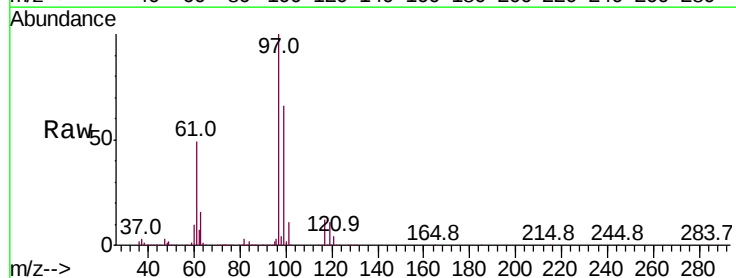
MMDadoda
 6/21/2021 12:58:43 PM

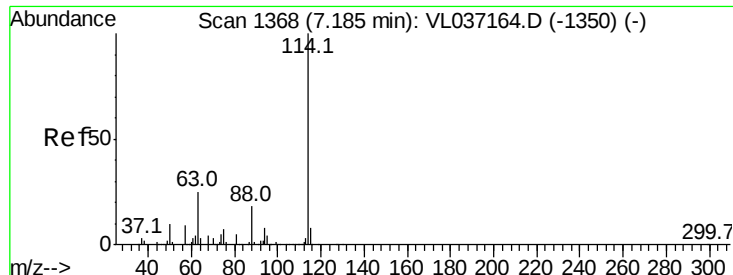


#32

1,1,1-Trichloroethane
 Concen: 9.761 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.4
61	49.3	38.8	58.2





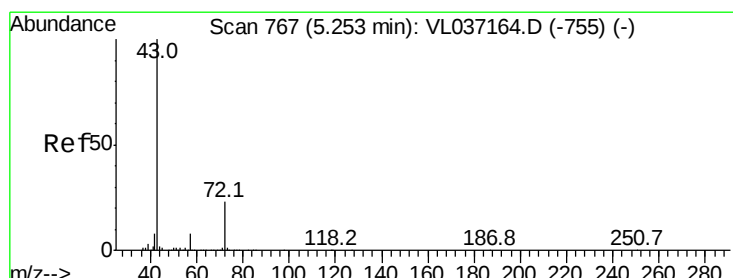
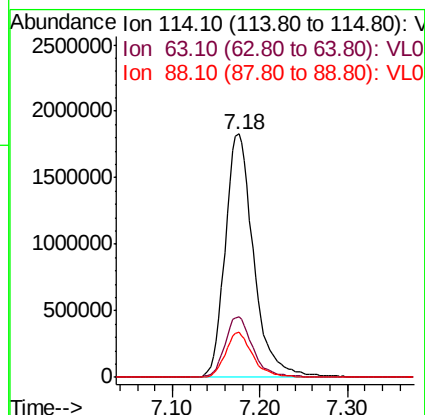
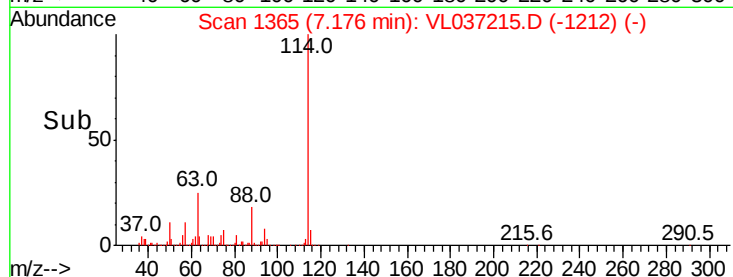
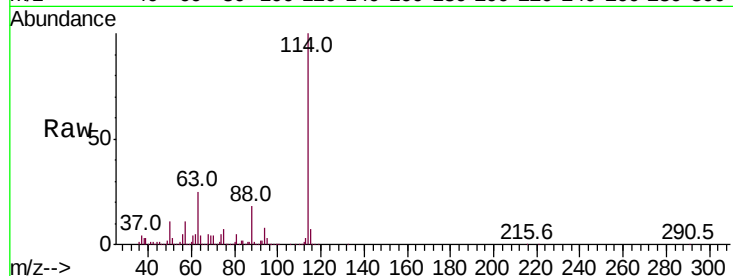
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.6	29.4
88	17.8	14.2	21.2

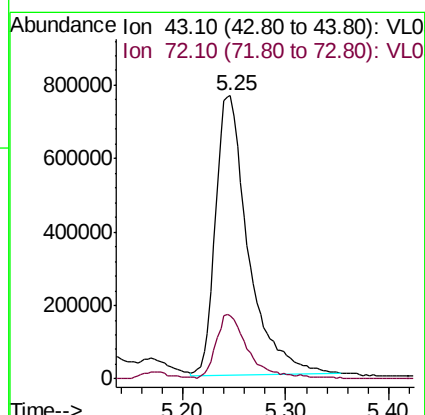
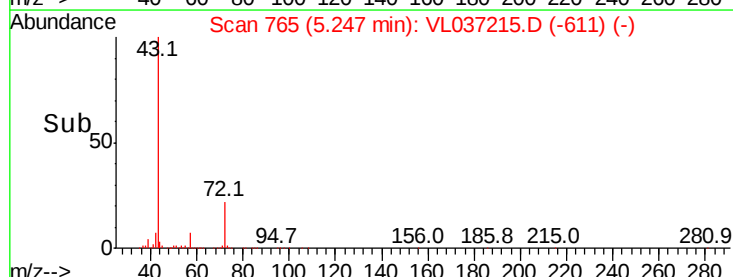
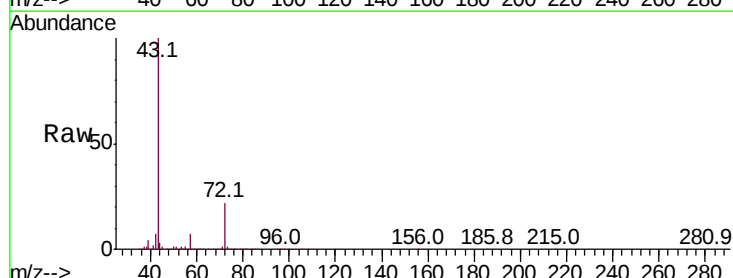
Manual Integrations
APPROVED

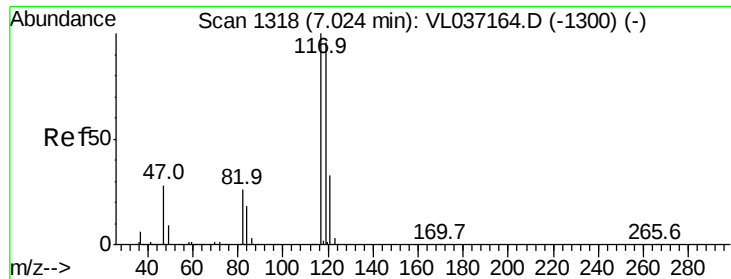
MMDadoda
6/21/2021 12:58:43 PM



#34
2-Butanone
Concen: 10.473 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.9	28.3





#35

Carbon Tetrachloride

Concen: 10.560 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2926054

Ion Ratio Lower Upper

117 100

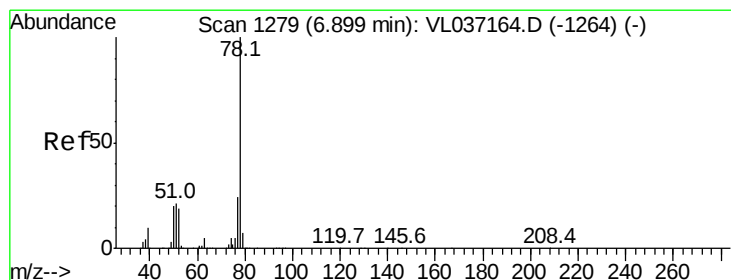
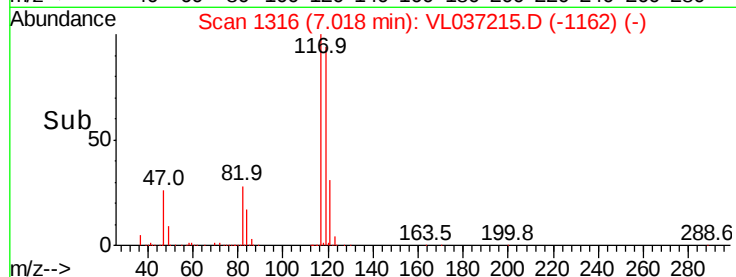
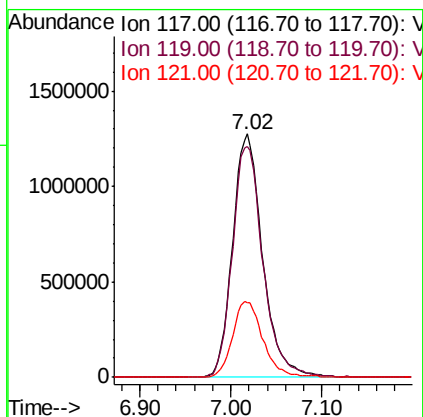
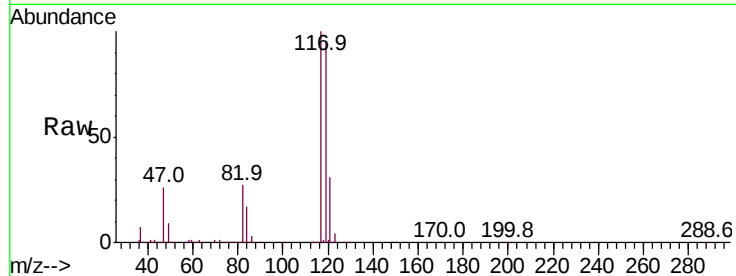
119 94.7 76.6 114.8

121 30.8 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#36

Benzene

Concen: 10.579 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

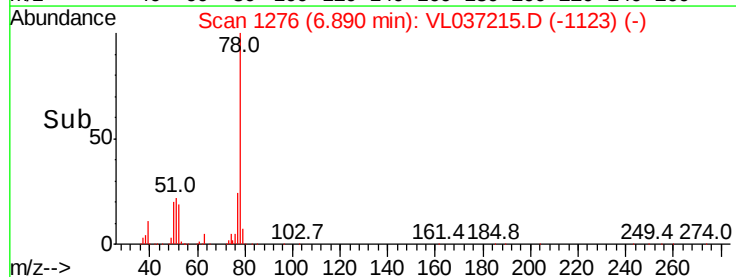
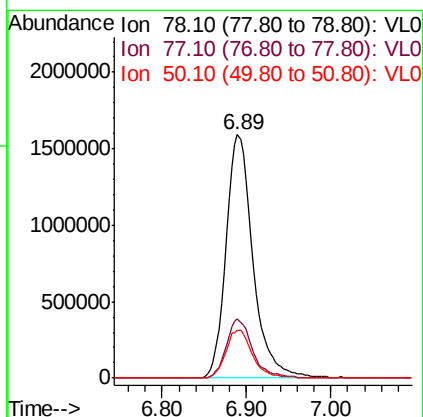
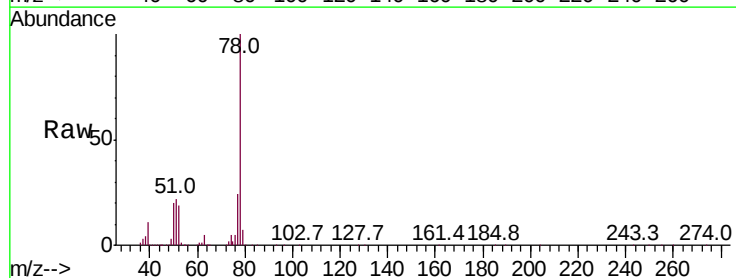
Tgt Ion: 78 Resp: 3533832

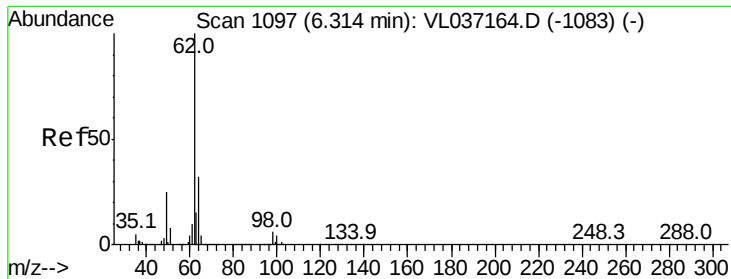
Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

50 19.6 15.7 23.5





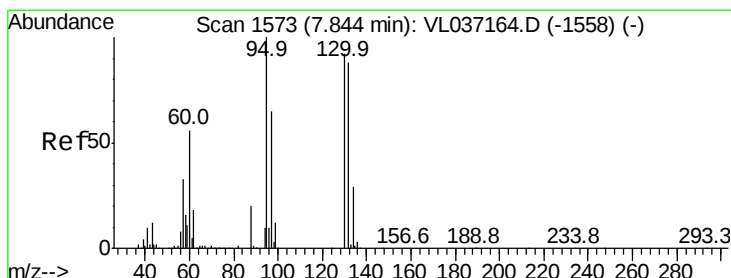
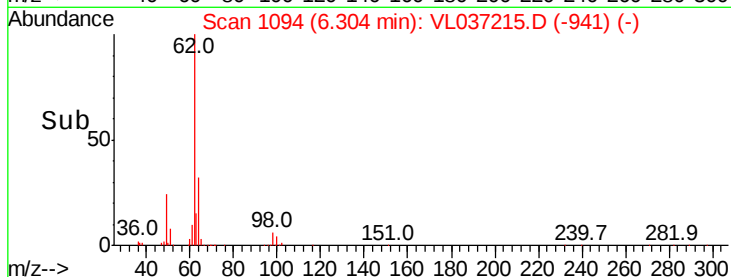
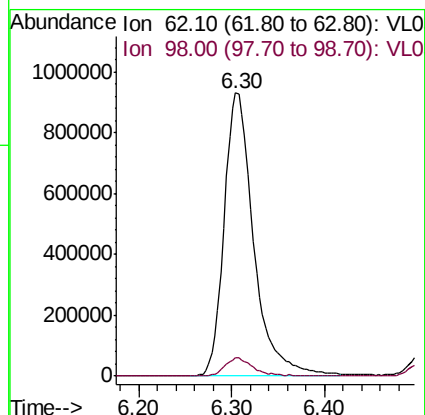
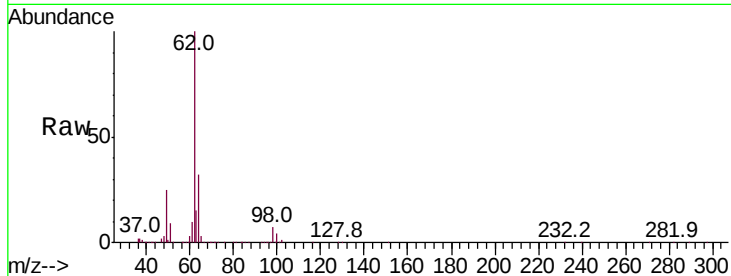
#37
 1,2-Dichloroethane
 Concen: 10.653 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 2067188
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6

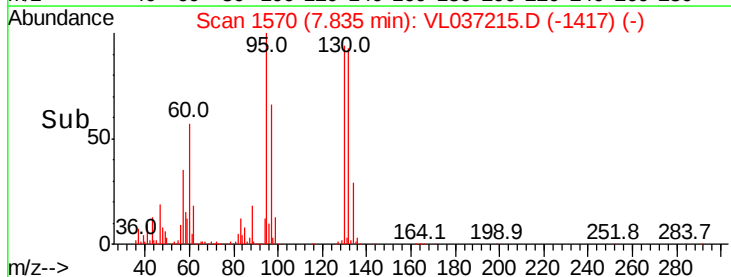
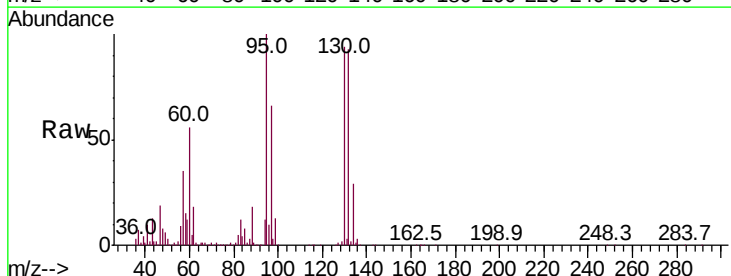
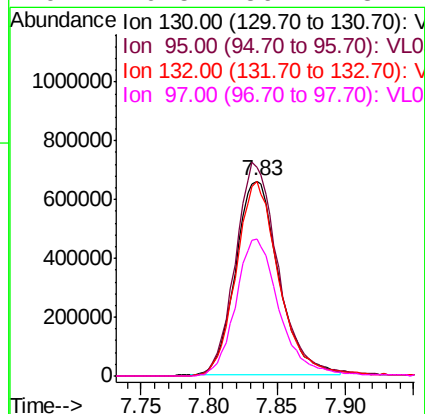
Manual Integrations
 APPROVED

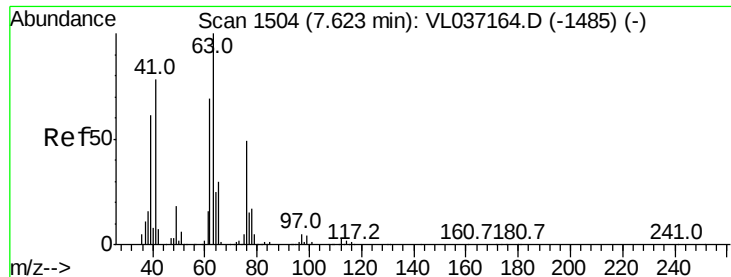
MMDadoda
 6/21/2021 12:58:43 PM



#38
 Trichloroethene
 Concen: 9.200 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:130 Resp: 1460788
 Ion Ratio Lower Upper
 130 100
 95 107.0 86.6 129.8
 132 99.7 76.6 114.8
 97 70.5 56.1 84.1





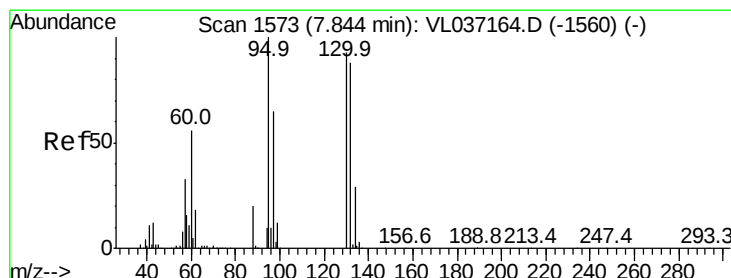
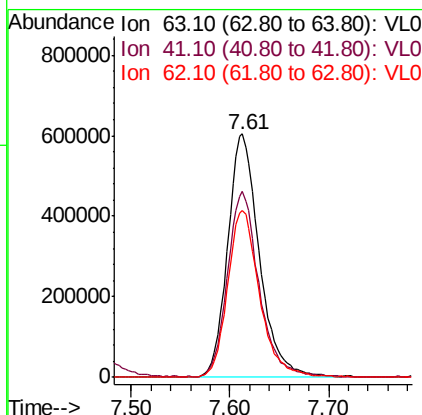
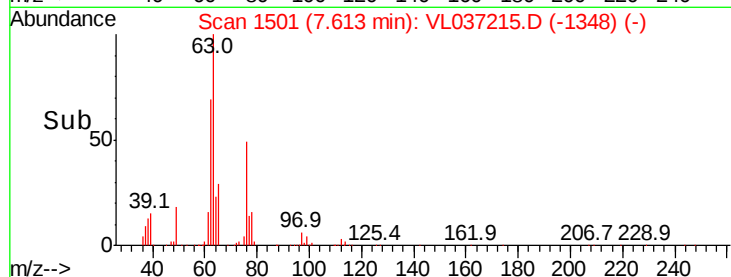
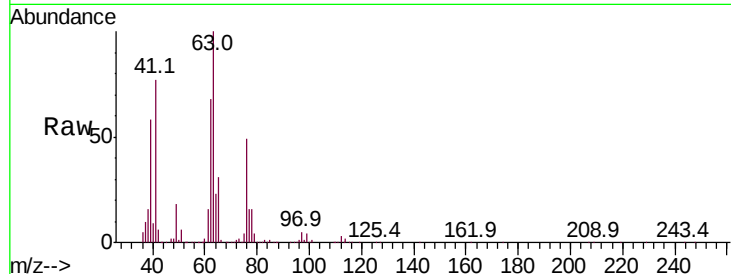
#39
 1,2-Dichloropropane
 Concen: 10.919 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.1	62.0	93.0
62	68.4	54.9	82.3

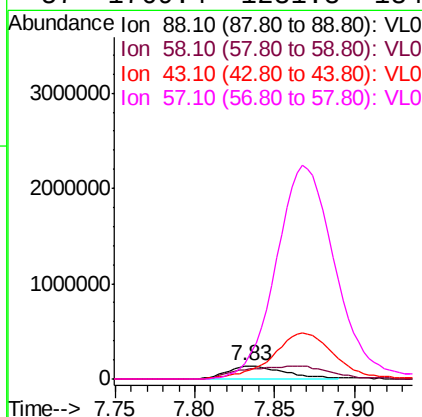
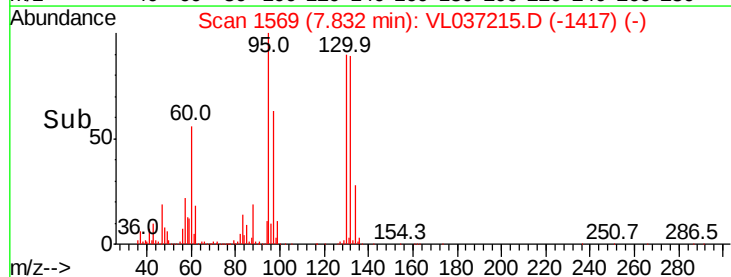
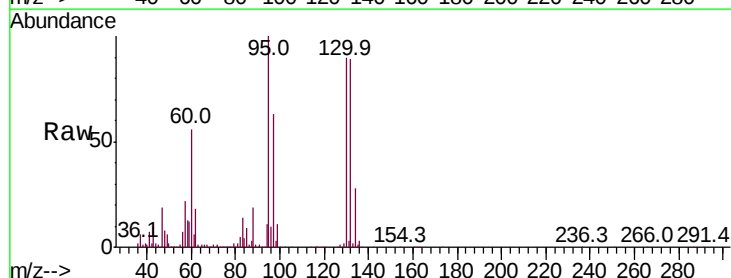
Manual Integrations
 APPROVED

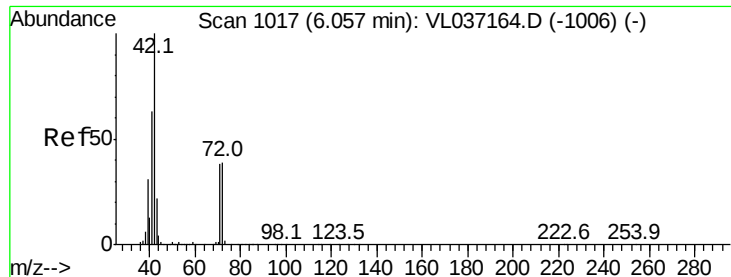
MMDadoda
 6/21/2021 12:58:43 PM



#40
 1,4-Dioxane
 Concen: 9.649 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	161.9	118.4	177.6
43	402.5	284.0	426.0
57	1769.4	1231.8	1847.6





#41

Tetrahydrofuran

Concen: 11.131 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

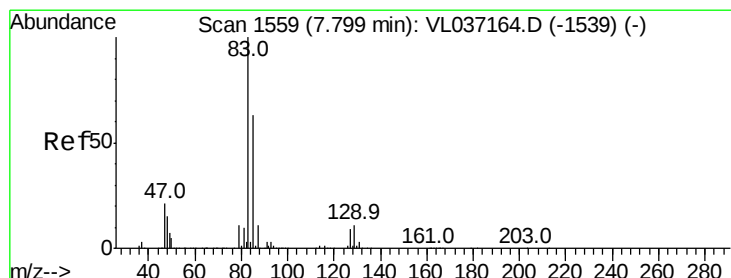
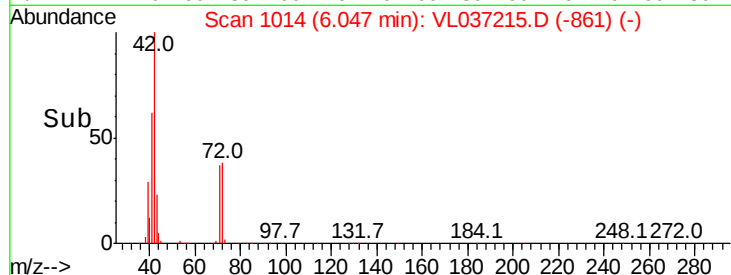
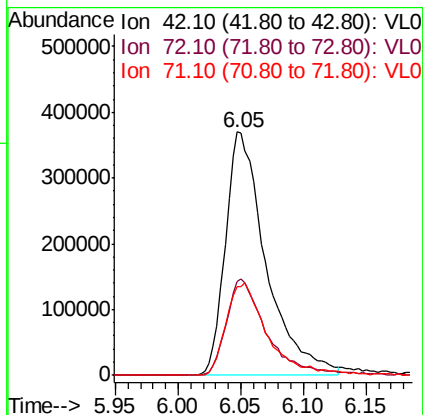
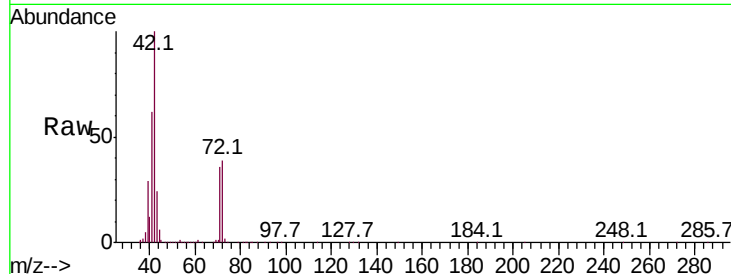
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.0	49.4
71	39.4	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
6/21/2021 12:58:43 PM



#42

Bromodichloromethane

Concen: 10.749 ppbv

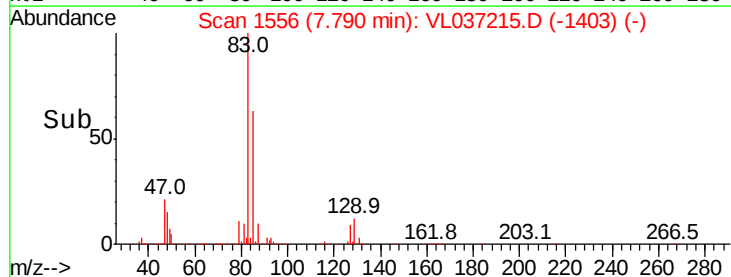
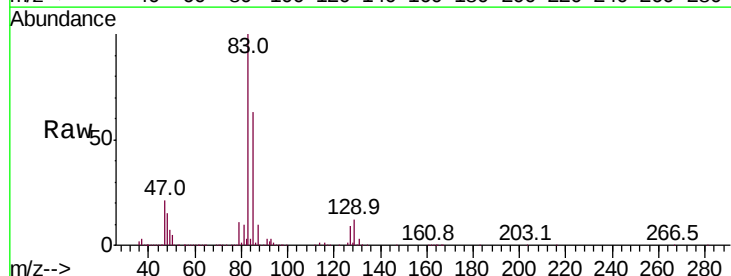
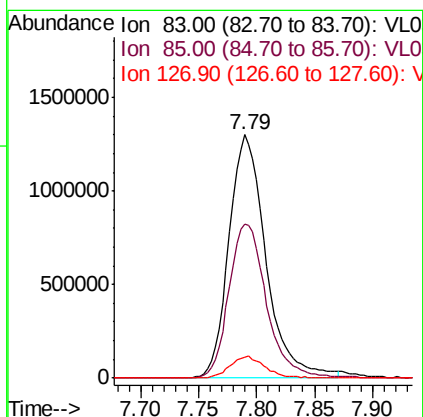
RT: 7.79 min Scan# 1556

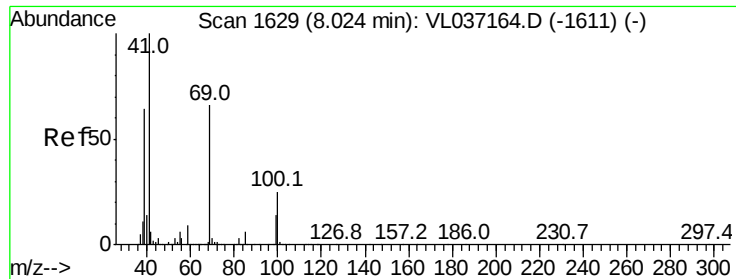
Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.8	76.2
127	8.6	7.0	10.6





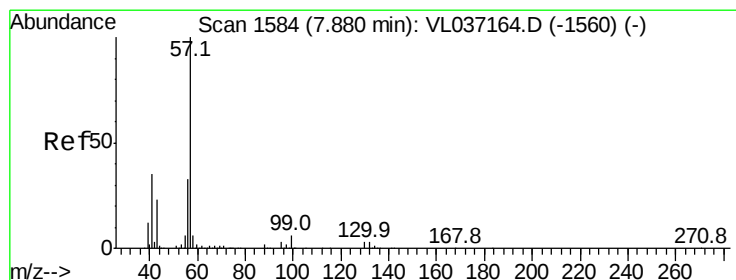
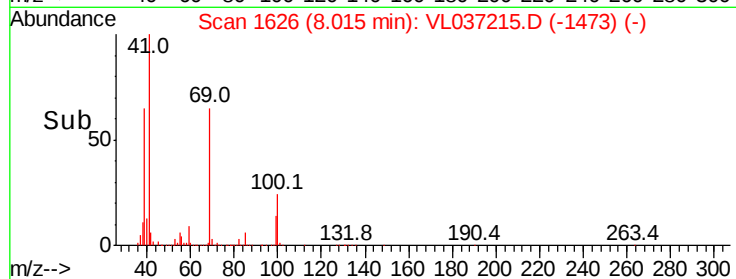
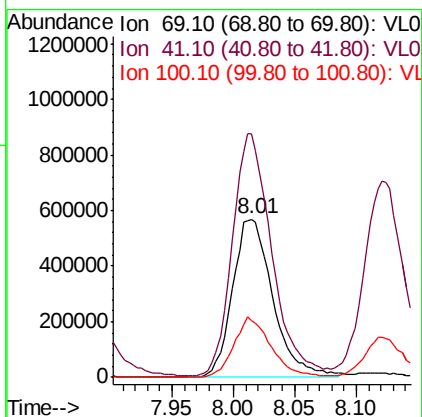
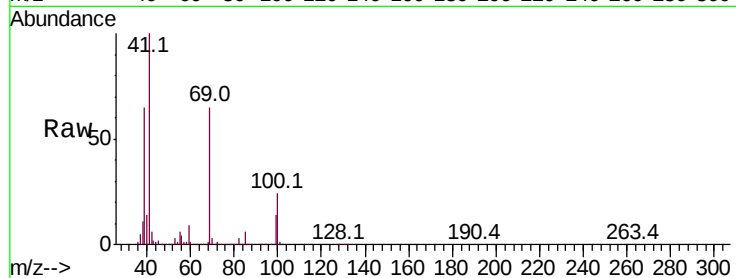
#43
Methvl Methacrvlate
Concen: 11.268 ppbv m
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.1	119.4	179.0
100	35.1	28.6	43.0

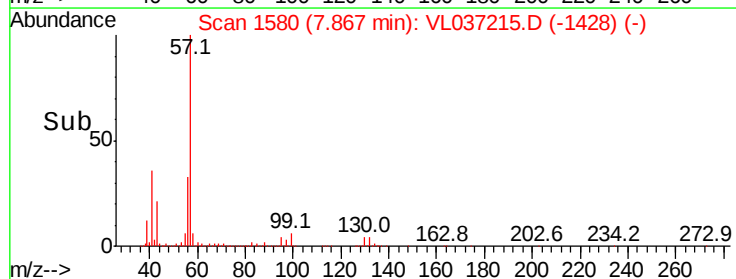
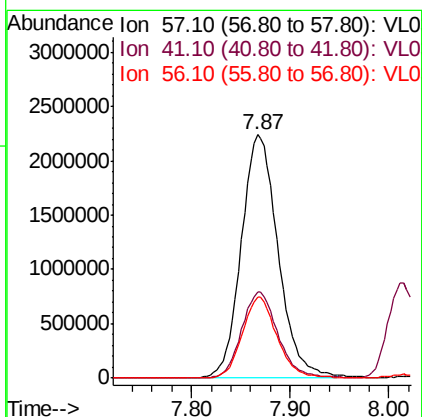
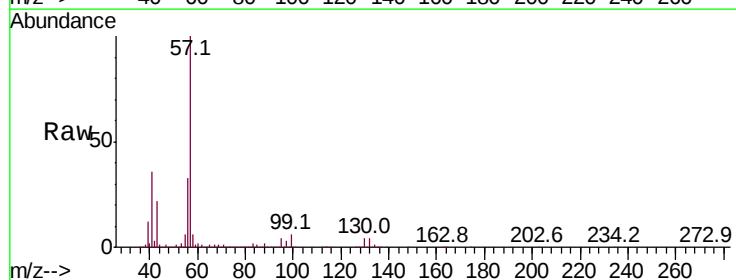
Manual Integrations
APPROVED

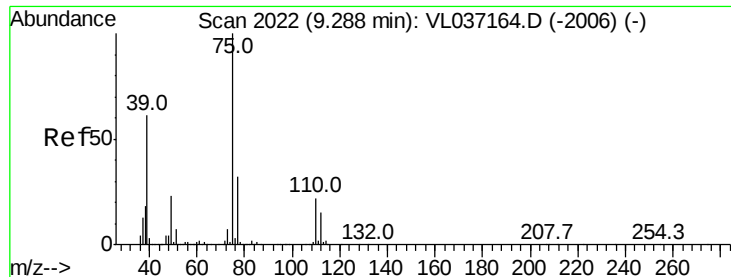
MMDadoda
6/21/2021 12:58:43 PM



#44
2,2,4-Trimethylpentane
Concen: 10.278 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.9	27.6	41.4
56	31.6	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 13.050 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1328242

Ion Ratio Lower Upper

75 100

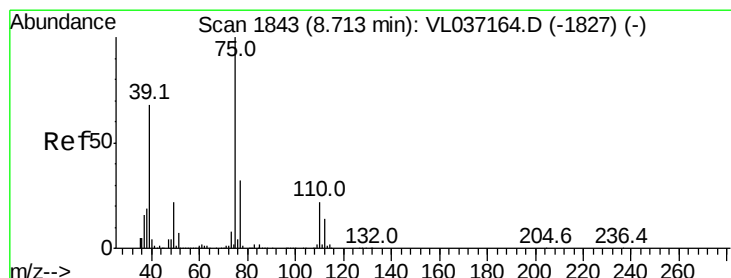
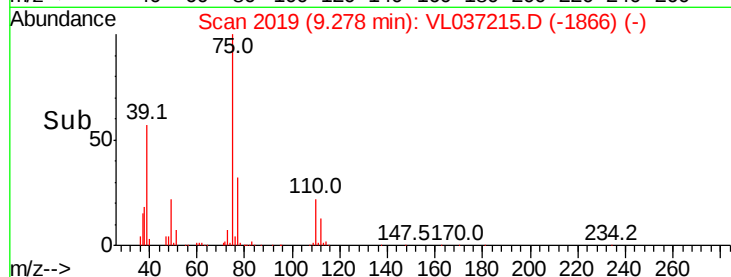
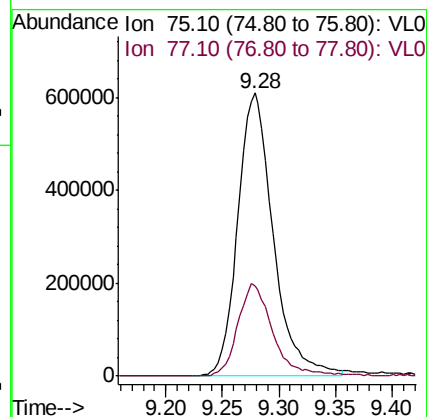
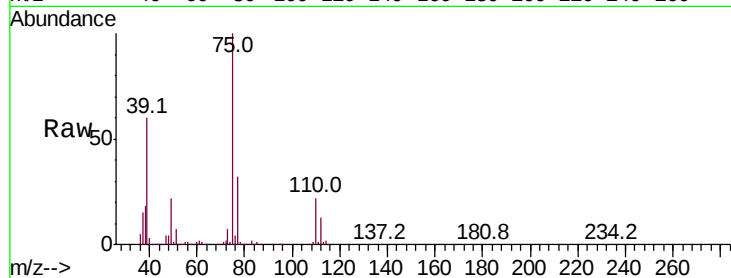
77 31.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#46

cis-1,3-Dichloropropene

Concen: 12.048 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

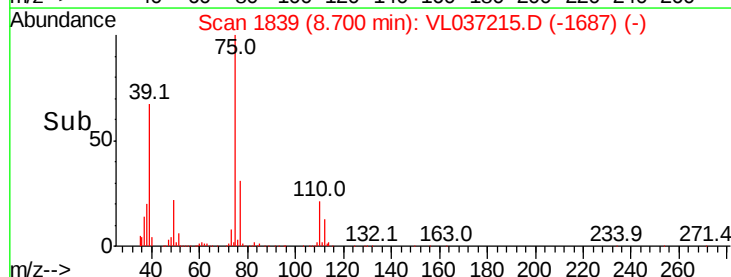
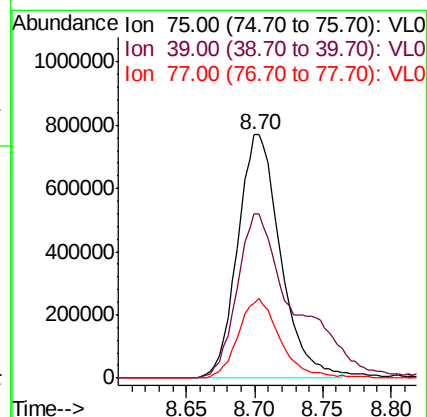
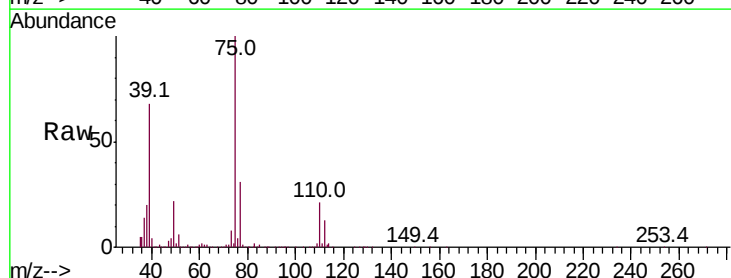
Tgt Ion: 75 Resp: 1677567

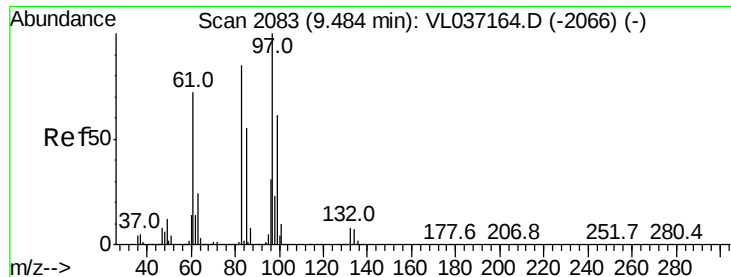
Ion Ratio Lower Upper

75 100

39 67.5 54.7 82.1

77 30.7 25.8 38.8





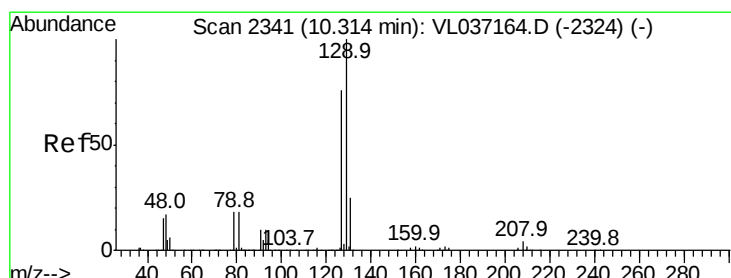
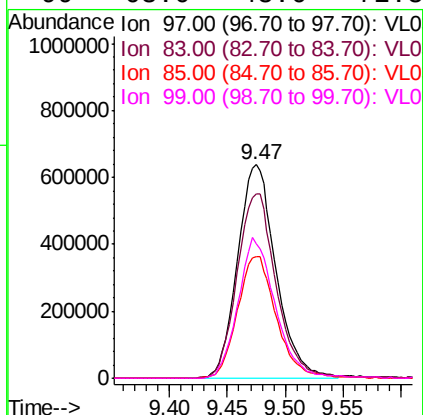
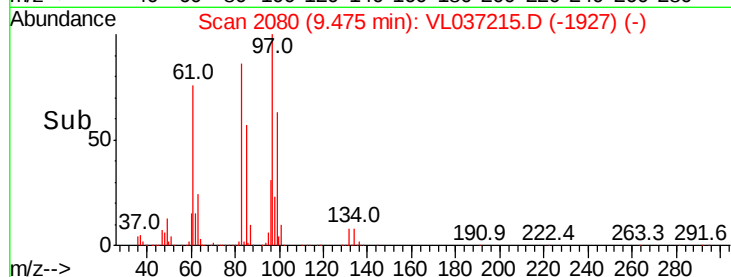
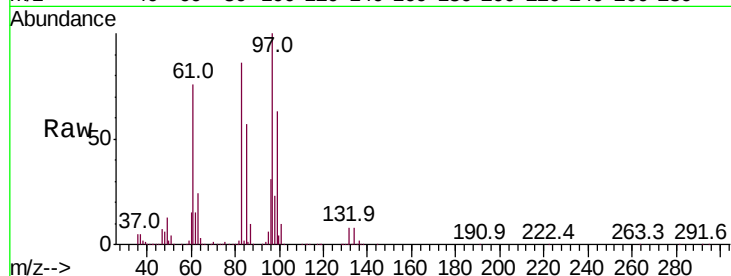
#47
 1,1,2-Trichloroethane
 Concen: 10.355 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.3	102.5
85	57.1	44.1	66.1
99	63.0	48.6	72.8

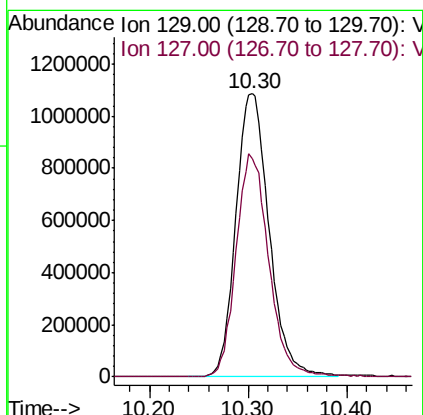
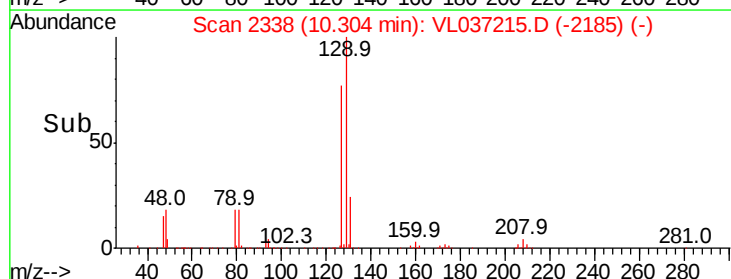
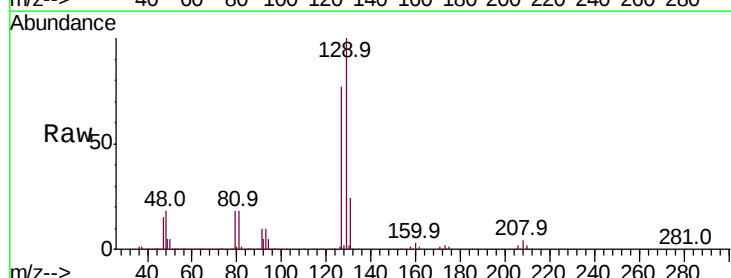
Manual Integrations
 APPROVED

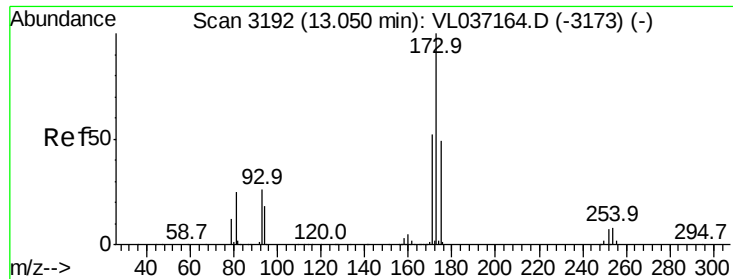
MMDadoda
 6/21/2021 12:58:43 PM



#48
 Dibromochloromethane
 Concen: 11.390 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





#49

Bromoform

Concen: 12.109 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2016798

Ion Ratio Lower Upper

173 100

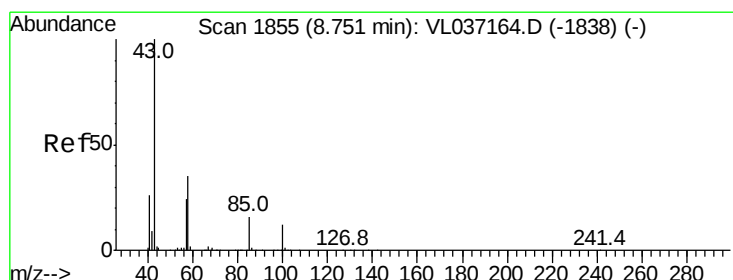
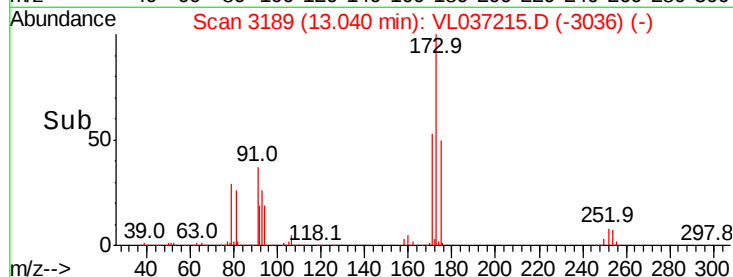
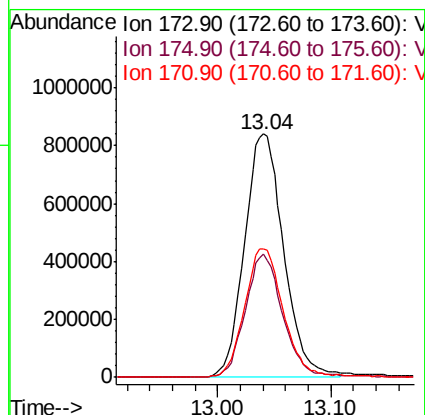
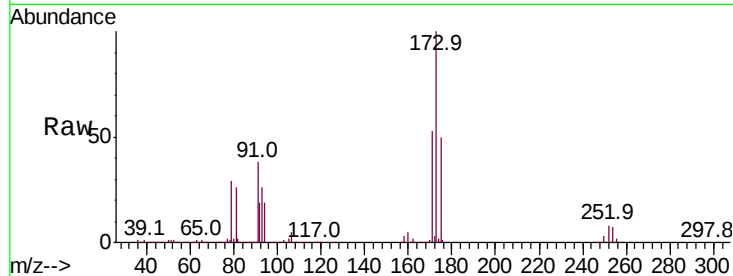
175 49.1 40.2 60.4

171 52.8 41.8 62.8

Manual Integrations
APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#50

4-Methyl-2-Pentanone

Concen: 11.006 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037215.D

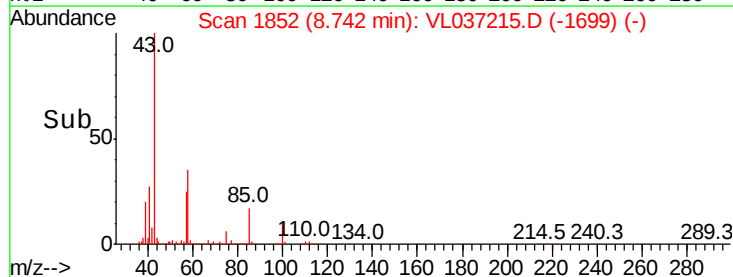
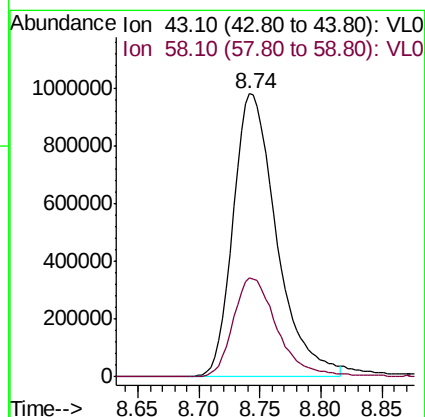
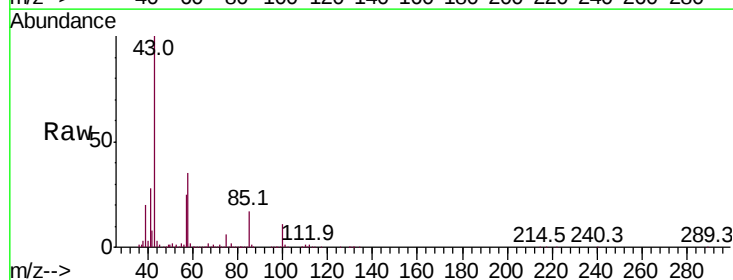
Acq: 17 Jun 2021 23:51

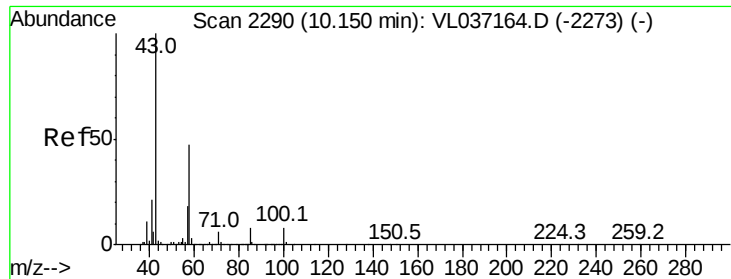
Tgt Ion: 43 Resp: 2428725

Ion Ratio Lower Upper

43 100

58 36.3 28.4 42.6





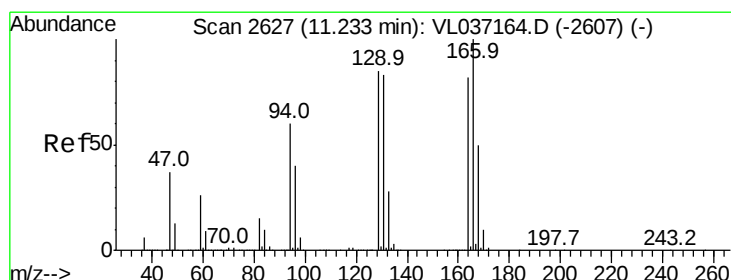
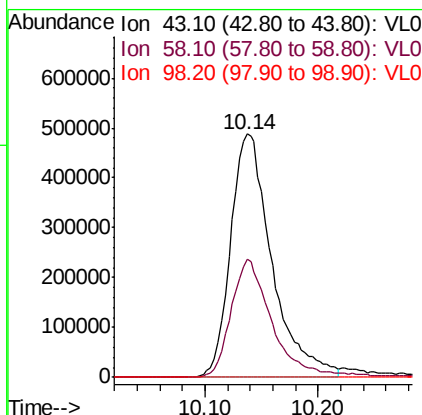
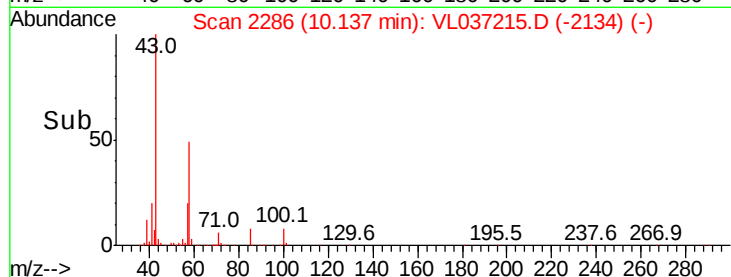
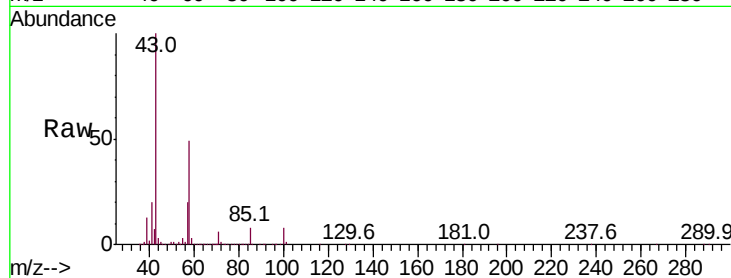
#51
2-Hexanone
Concen: 11.508 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1235561
Ion Ratio Lower Upper
43 100
58 49.1 38.4 57.6
98 0.2 0.3 0.5#

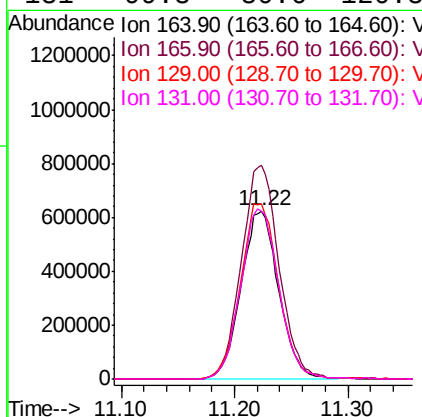
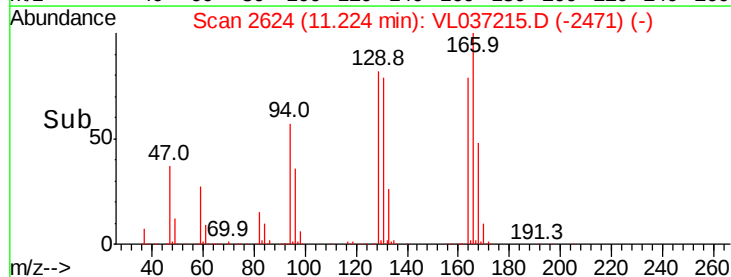
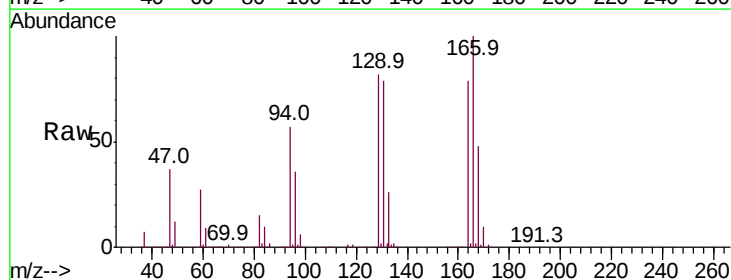
Manual Integrations
APPROVED

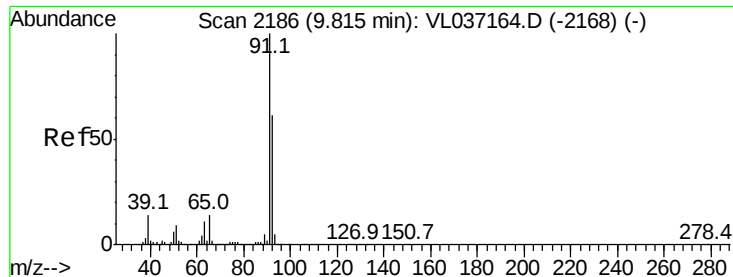
MMDadoda
6/21/2021 12:58:43 PM



#52
Tetrachloroethene
Concen: 9.268 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 164 Resp: 1438668
Ion Ratio Lower Upper
164 100
166 127.0 97.6 146.4
129 104.0 82.9 124.3
131 99.8 80.6 120.8





#53

Toluene

Concen: 10.583 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4222972

Ion Ratio Lower Upper

91 100

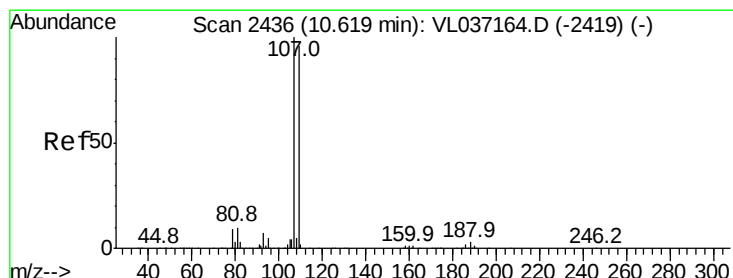
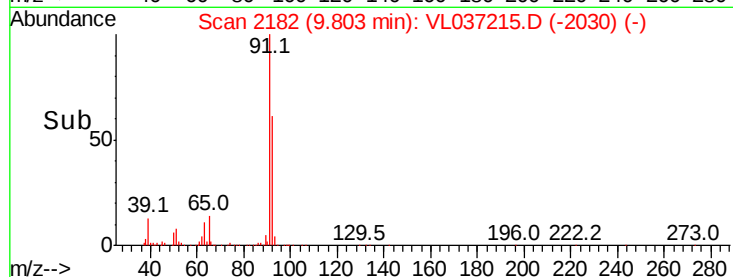
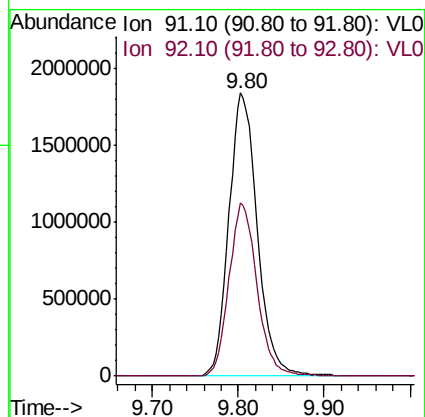
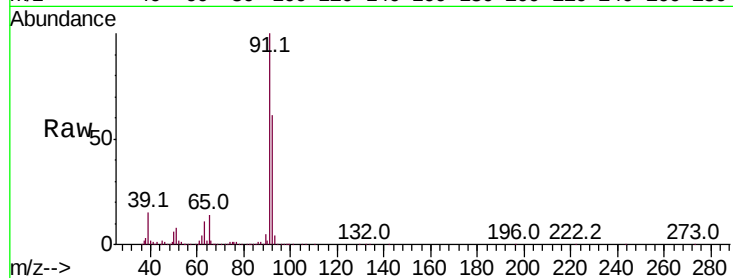
92 60.5 48.3 72.5

Manual Integrations

APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#54

1,2-Dibromoethane

Concen: 10.660 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL037215.D

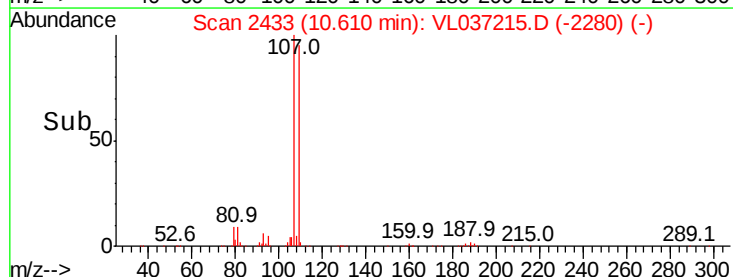
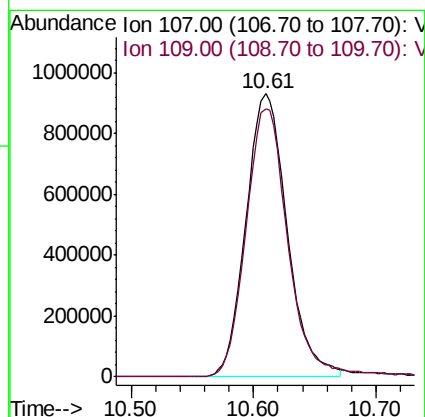
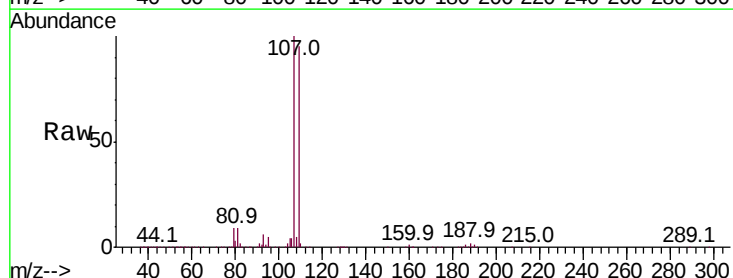
Acq: 17 Jun 2021 23:51

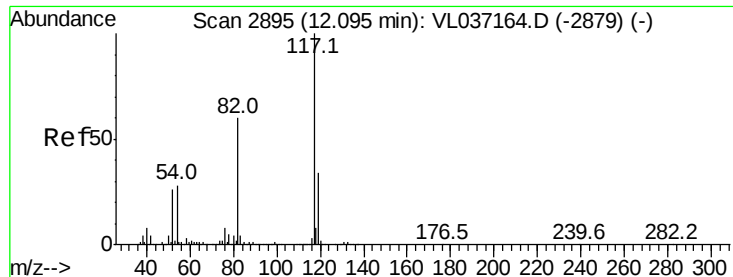
Tgt Ion: 107 Resp: 2169521

Ion Ratio Lower Upper

107 100

109 94.6 77.0 115.6





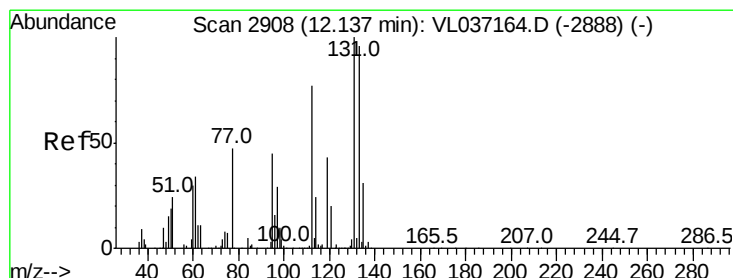
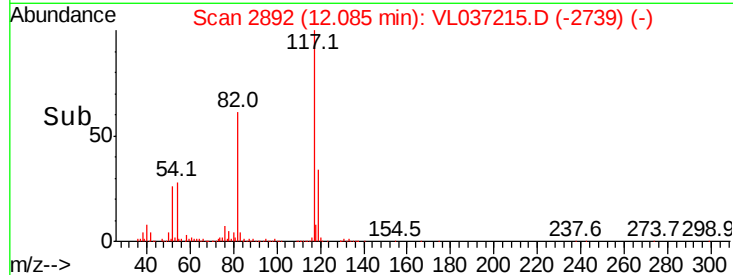
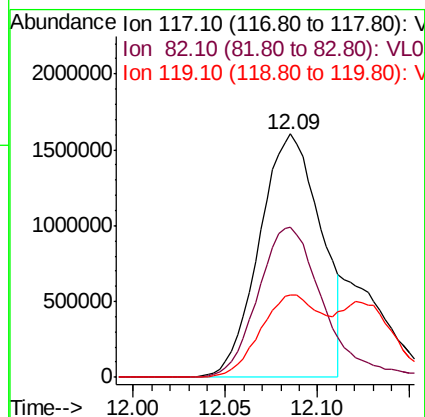
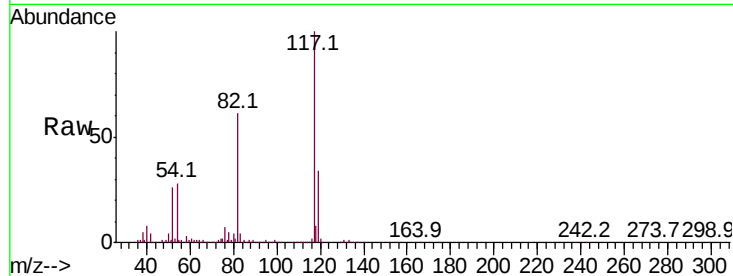
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3716170
Ion Ratio Lower Upper
117 100
82 66.7 51.7 77.5
119 30.5 47.6 71.4#

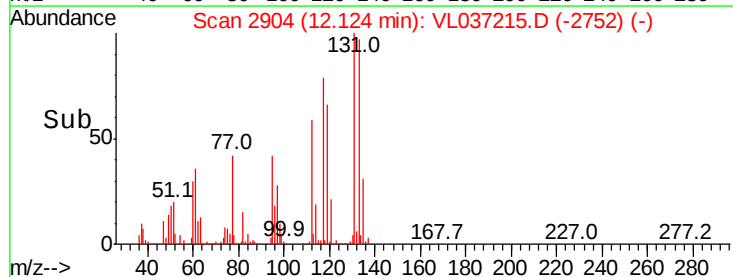
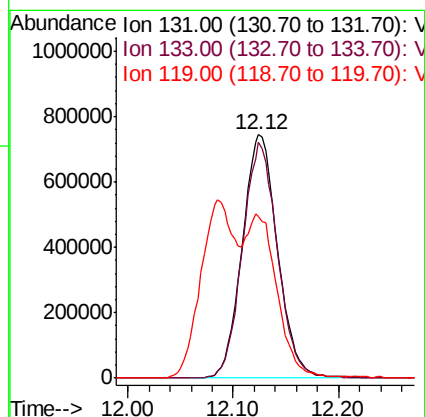
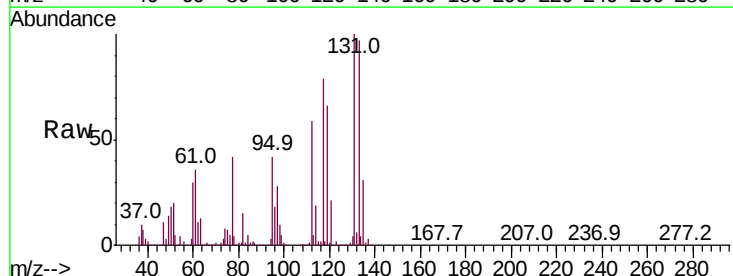
Manual Integrations
APPROVED

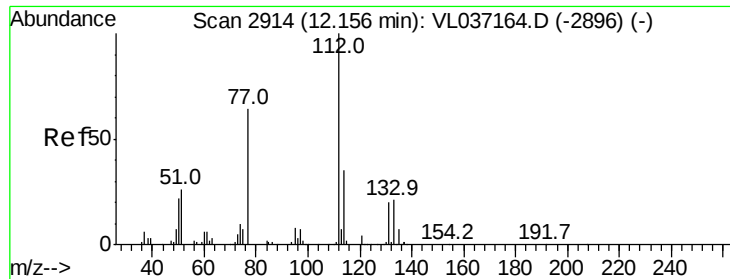
MMDadoda
6/21/2021 12:58:43 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.666 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion:131 Resp: 1732935
Ion Ratio Lower Upper
131 100
133 96.6 76.5 114.7
119 69.4 48.6 72.8





#57

Chlorobenzene

Concen: 10.407 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3136444

Ion Ratio Lower Upper

112 100

77 63.2 52.2 78.4

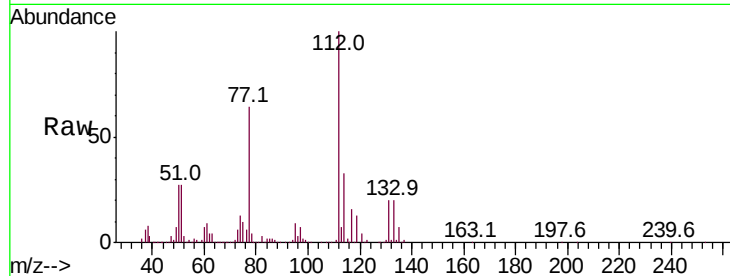
114 32.8 31.1 38.1

Manual Integrations

APPROVED

MMDadoda

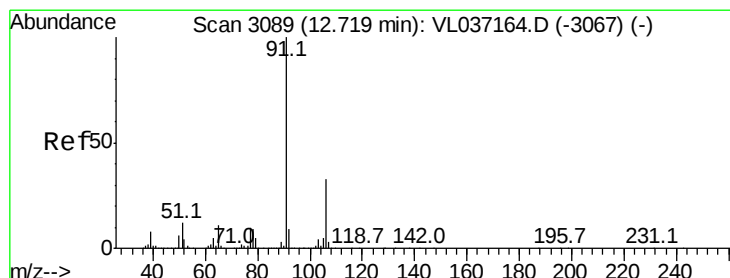
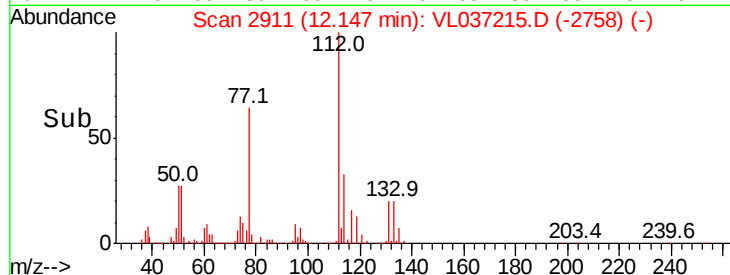
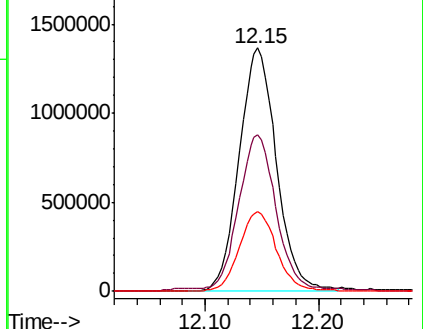
6/21/2021 12:58:43 PM



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: 10.750 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL037215.D

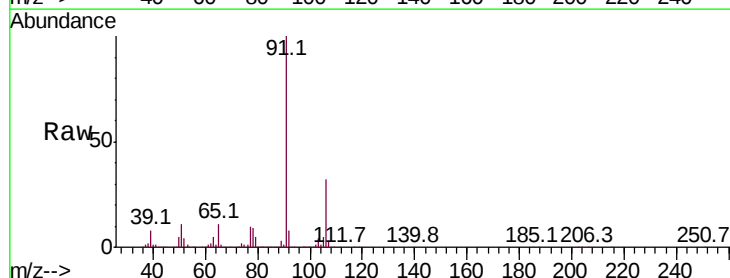
Acq: 17 Jun 2021 23:51

Tgt Ion: 91 Resp: 5499616

Ion Ratio Lower Upper

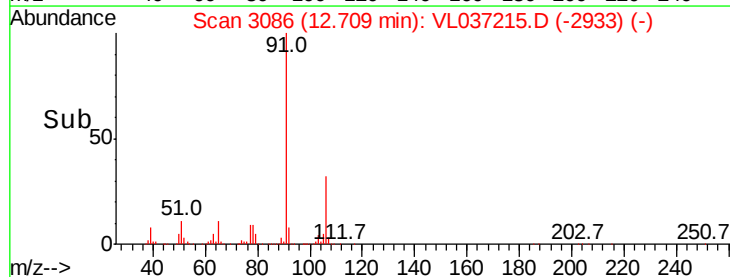
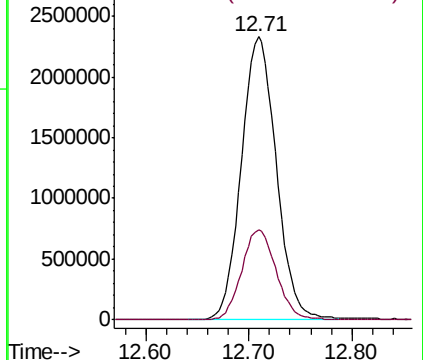
91 100

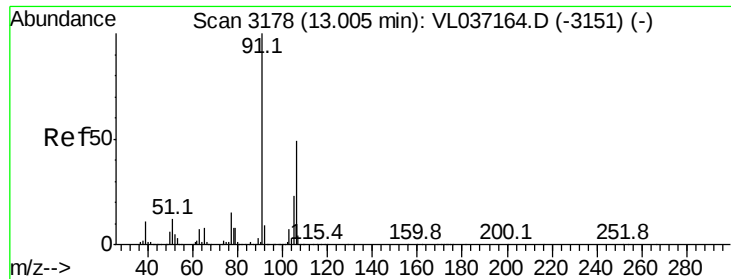
106 32.0 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





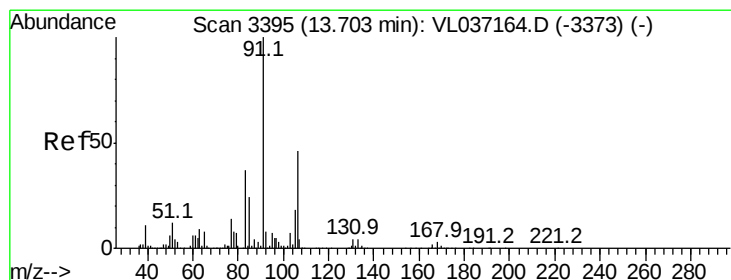
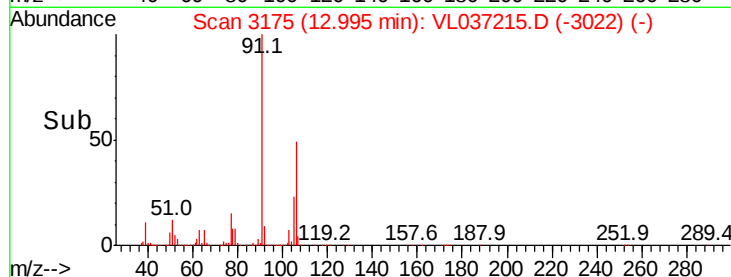
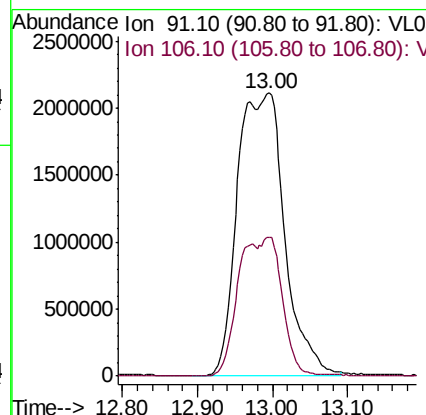
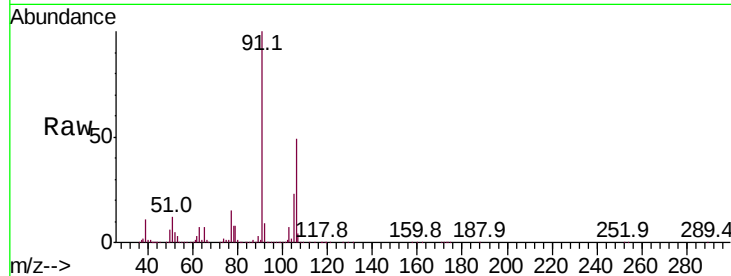
#59
m/p-Xylene
Concen: 21.305 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9236569
Ion Ratio Lower Upper
91 100
106 45.7 37.0 55.4

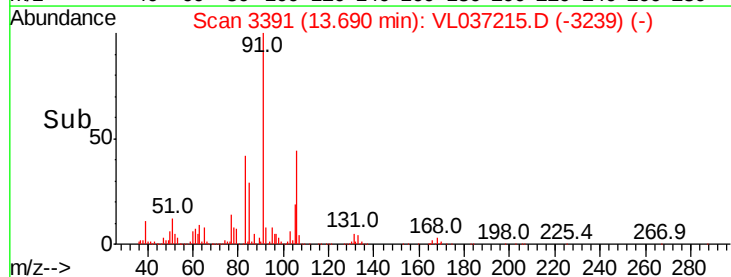
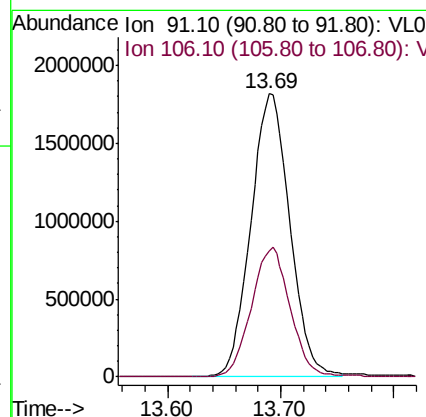
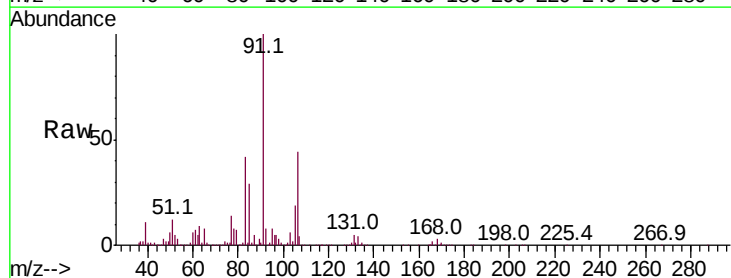
Manual Integrations
APPROVED

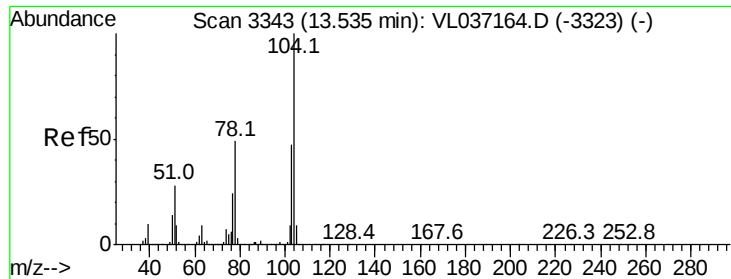
MMDadoda
6/21/2021 12:58:43 PM



#60
o-Xylene
Concen: 10.531 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 91 Resp: 4347361
Ion Ratio Lower Upper
91 100
106 45.7 23.0 69.0





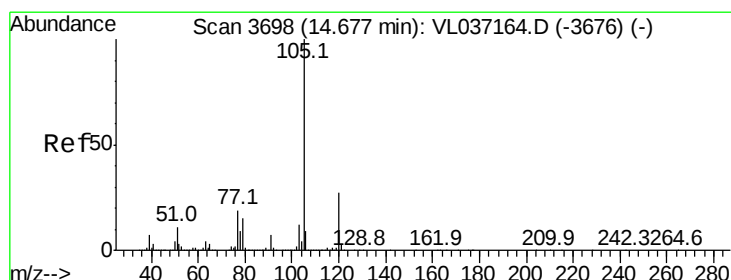
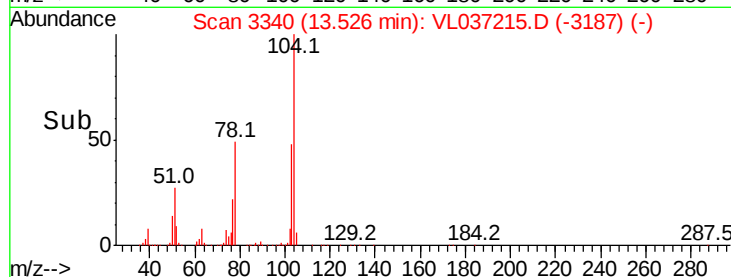
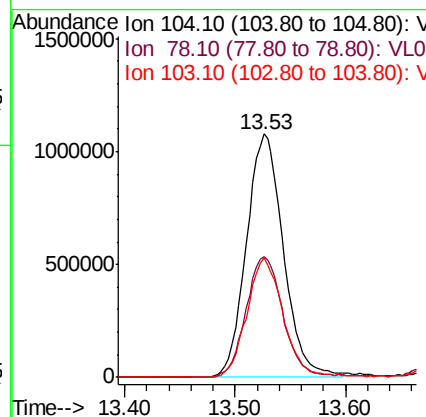
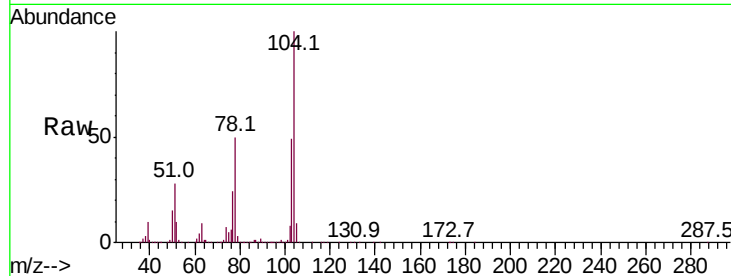
#61
Stvrene
Concen: 11.734 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.5	39.7	59.5
103	48.4	37.6	56.4

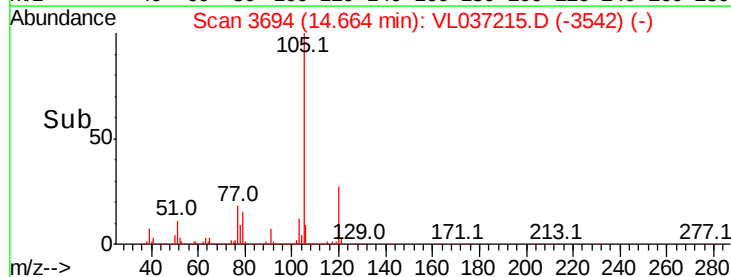
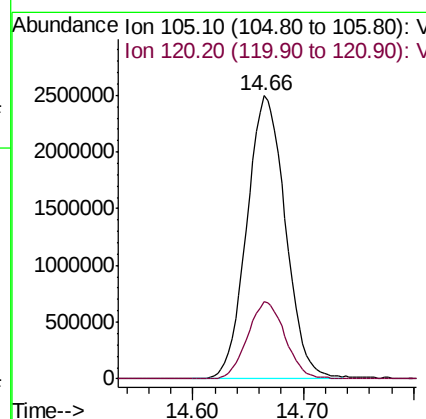
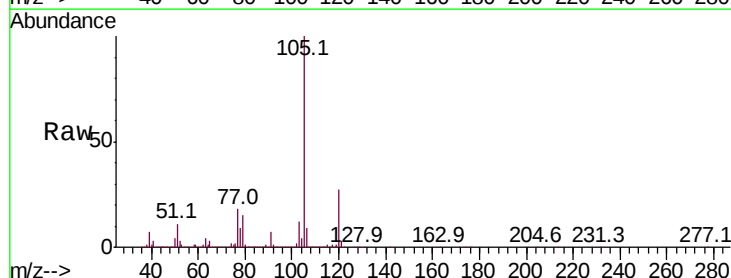
Manual Integrations
APPROVED

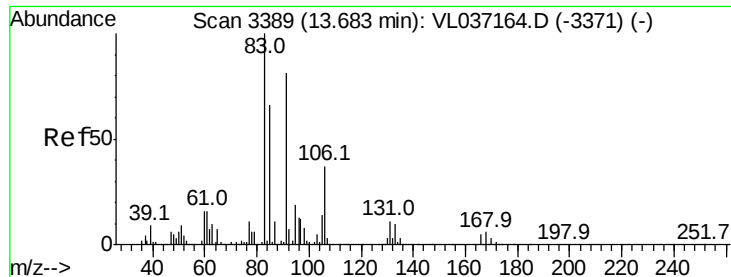
MMDadoda
6/21/2021 12:58:43 PM



#62
Isopropylbenzene
Concen: 10.310 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.6	32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 10.323 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2837530

Ion Ratio Lower Upper

83 100

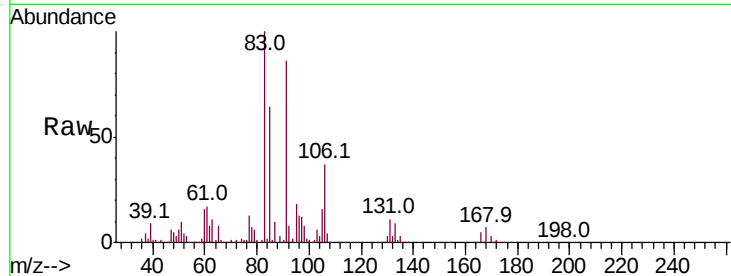
131 10.9 5.4 16.2

85 66.0 33.1 99.2

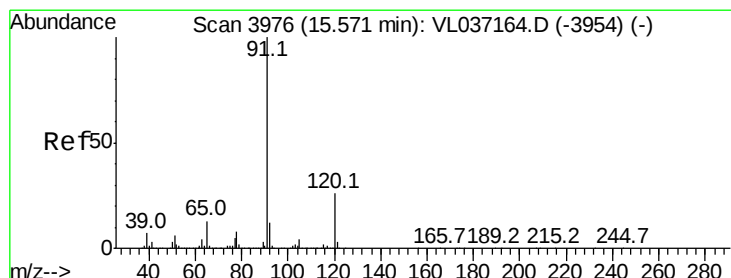
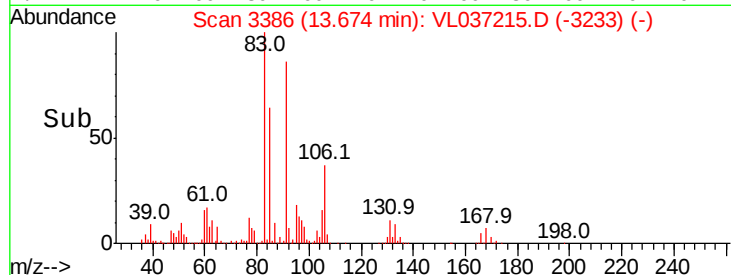
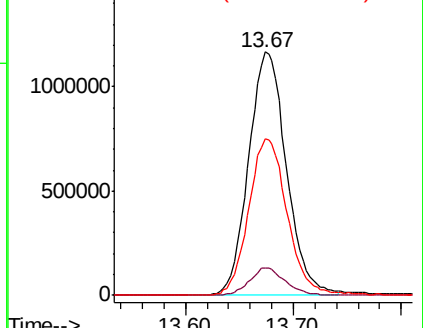
Manual Integrations
APPROVED

MMDadoda

6/21/2021 12:58:43 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: 10.945 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL037215.D

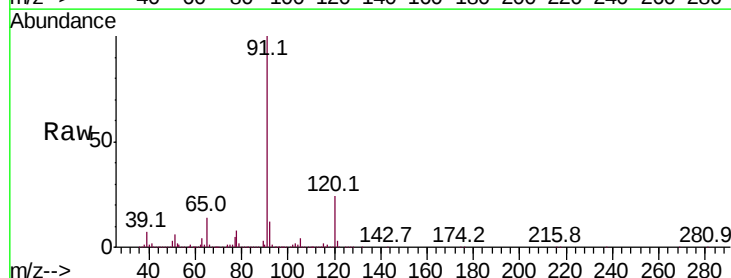
Acq: 17 Jun 2021 23:51

Tgt Ion:120 Resp: 1608966

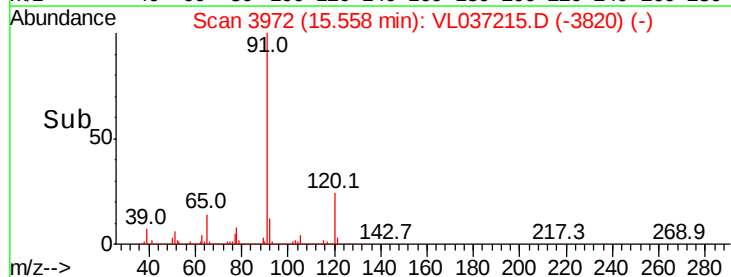
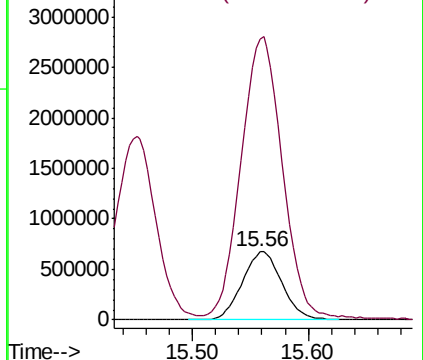
Ion Ratio Lower Upper

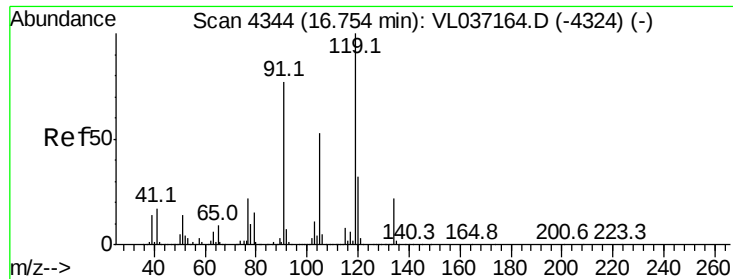
120 100

91 437.1 343.3 514.9



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





#65

tert-Butylbenzene

Concen: 10.270 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 5347165

Ion Ratio Lower Upper

119 100

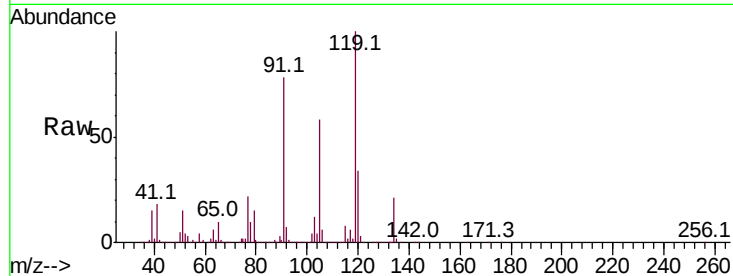
91 79.3 62.6 93.8

134 20.2 16.2 24.4

Manual Integrations
APPROVED

MMDadoda

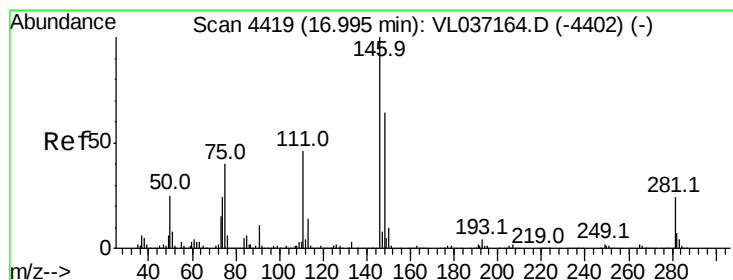
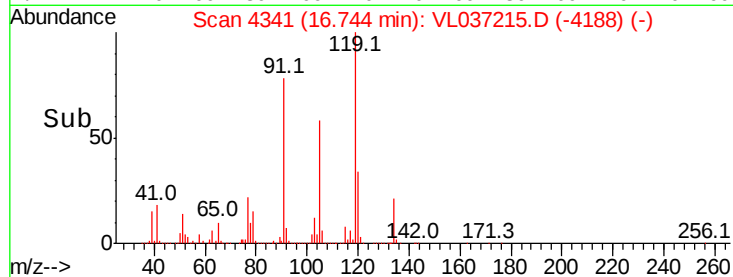
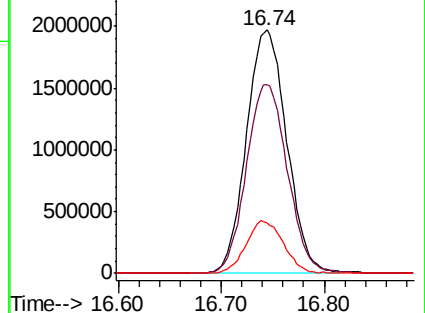
6/21/2021 12:58:43 PM



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: 11.608 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

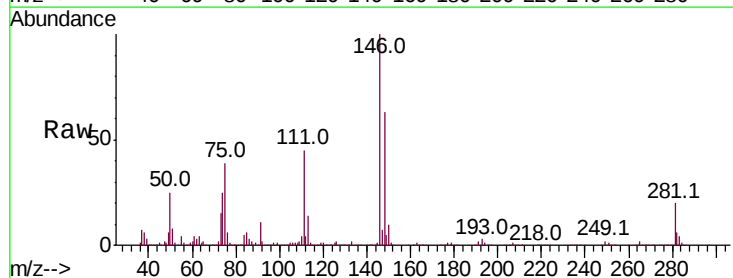
Tgt Ion: 91 Resp: 256105

Ion Ratio Lower Upper

91 100

126 18.9 15.5 23.3

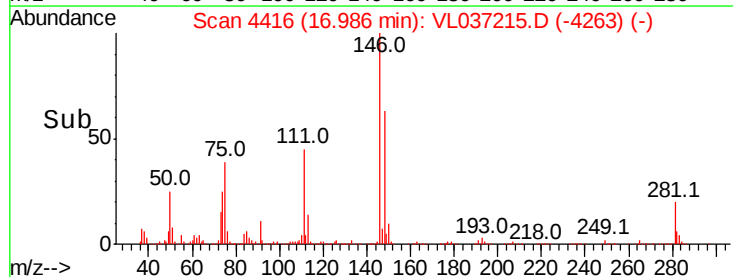
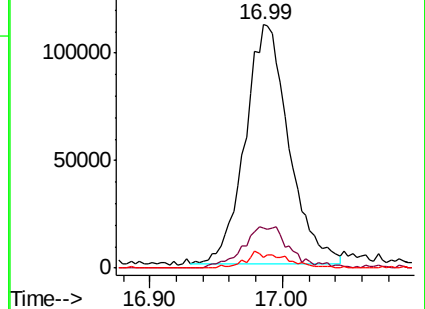
128 6.6 5.7 8.5

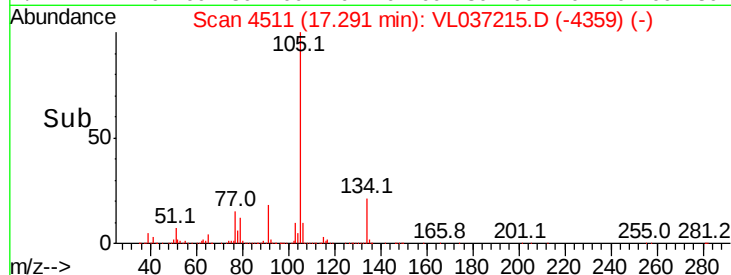
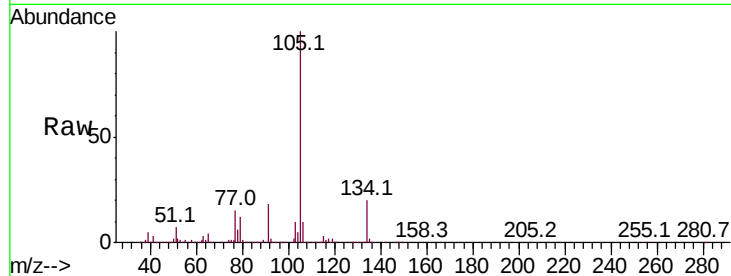
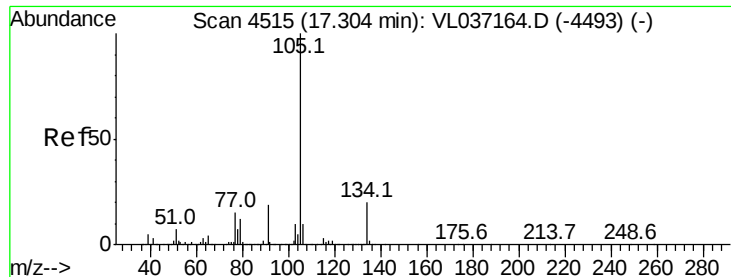


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





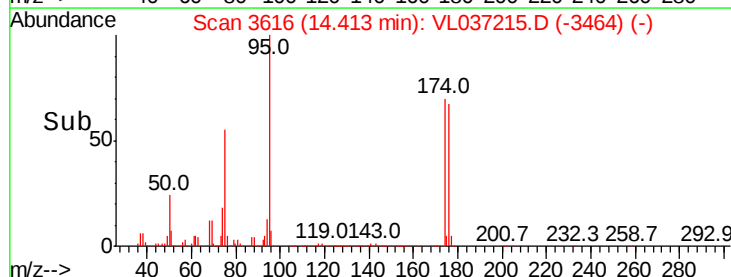
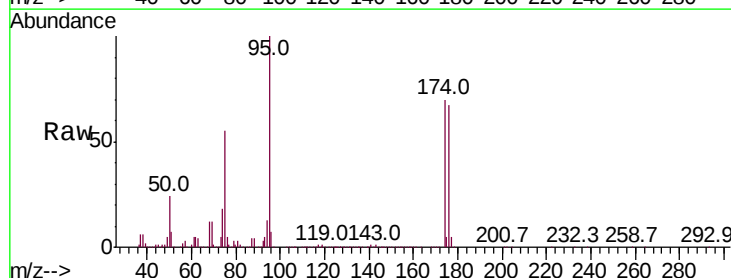
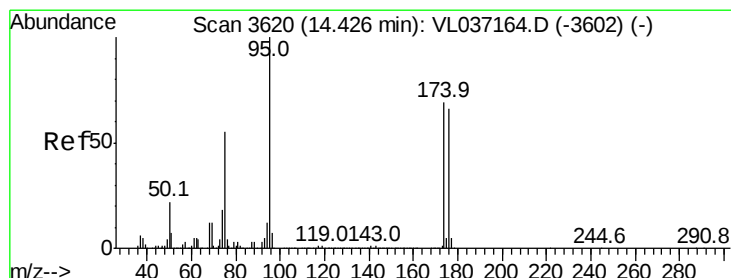
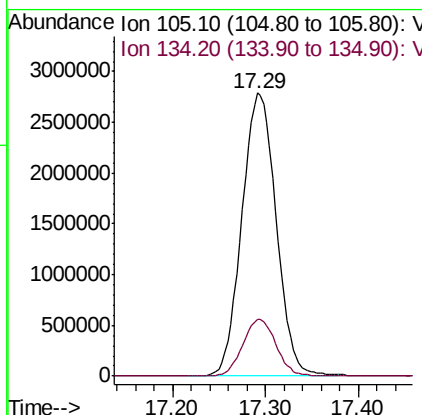
#67
 sec-Butylbenzene
 Concen: 10.303 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tot Ion: 105 Resp: 7152540
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.8 23.6

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

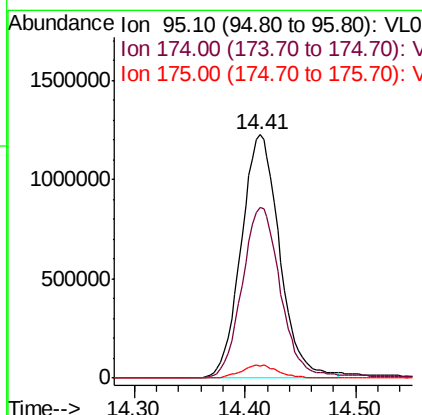
Manual Integrations
 APPROVED

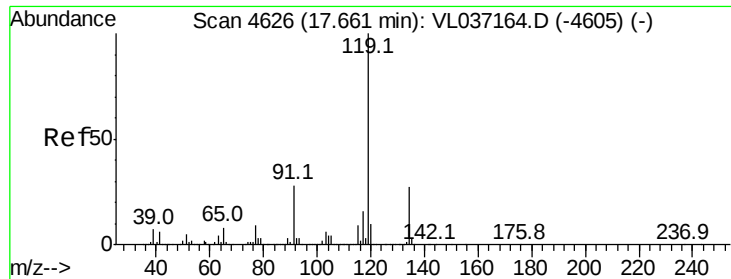
MMDadoda
 6/21/2021 12:58:43 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.522 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion: 95 Resp: 2962947
 Ion Ratio Lower Upper
 95 100
 174 72.0 57.0 85.4
 175 5.2 4.4 6.6





#69

p-Isopropyltoluene

Concen: 10.572 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 6199551

Ion Ratio Lower Upper

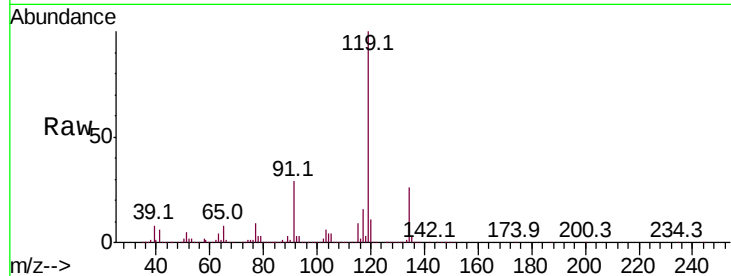
119 100

134 25.7 20.9 31.3

91 28.7 22.6 34.0

Manual Integrations
APPROVED

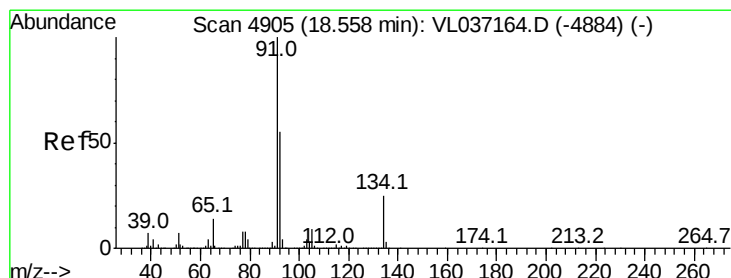
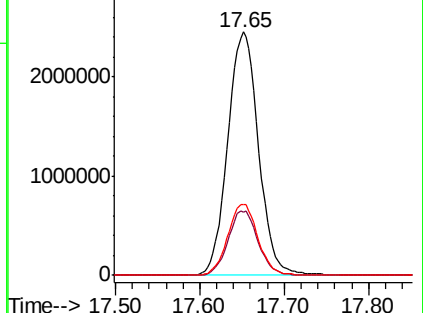
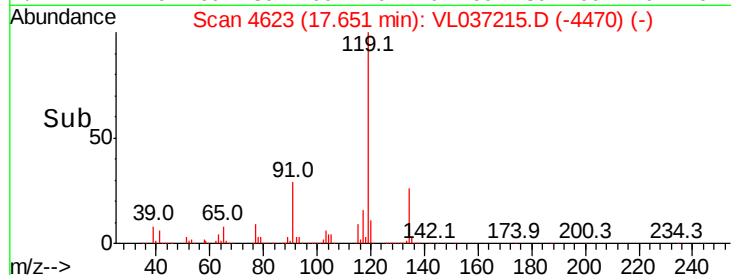
MMDadoda
6/21/2021 12:58:43 PM



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.833 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

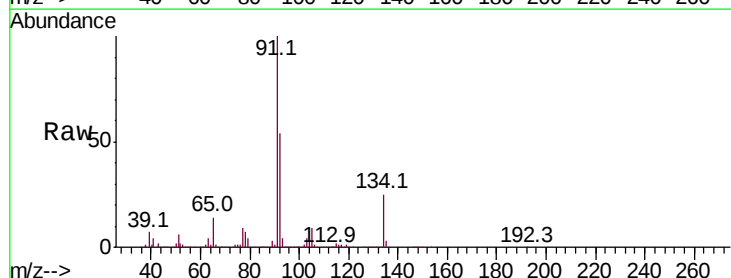
Tgt Ion: 91 Resp: 5879188

Ion Ratio Lower Upper

91 100

92 54.5 44.0 66.0

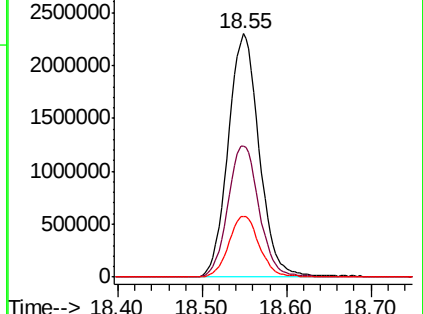
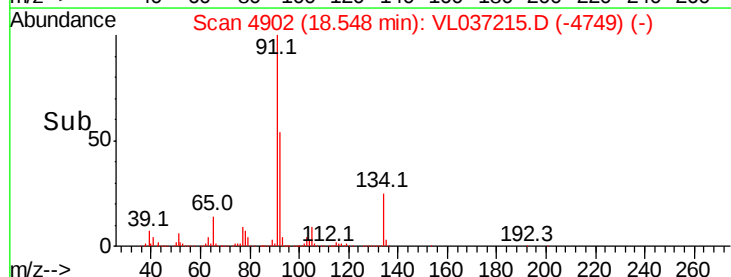
134 24.8 20.2 30.4

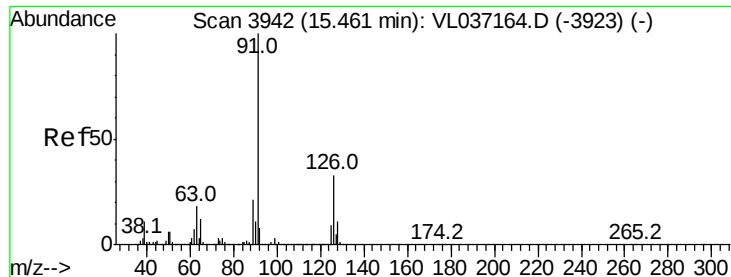


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.708 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4394752

Ion Ratio Lower Upper

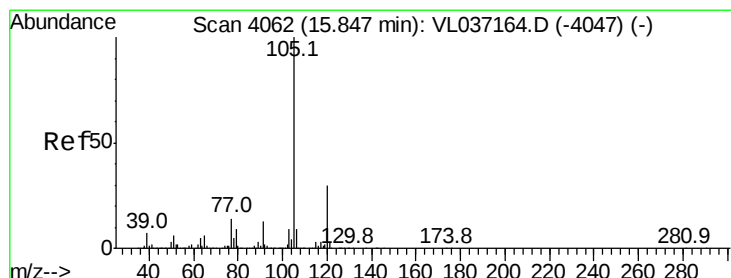
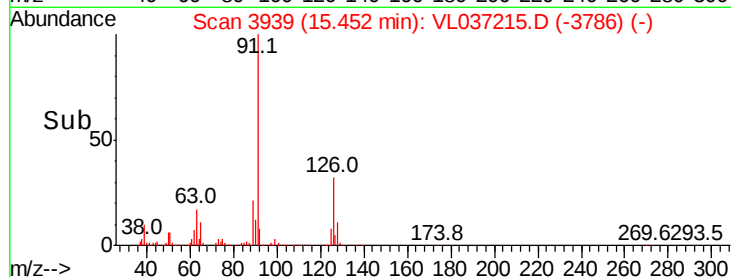
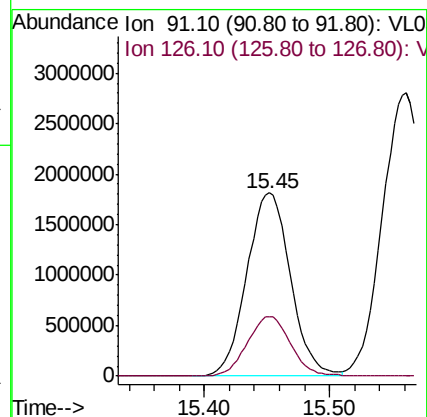
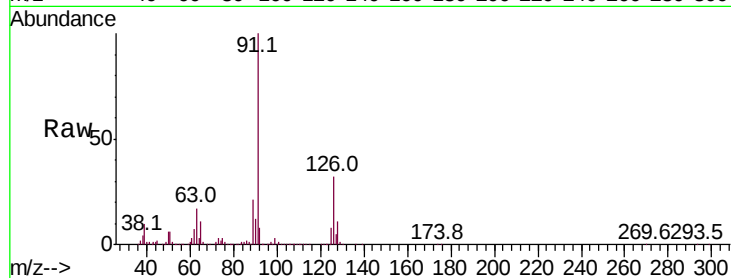
91 100

126 32.9 13.5 54.1

Manual Integrations
APPROVED

MMDadoda

6/21/2021 12:58:43 PM



#72

4-Ethyltoluene

Concen: 11.204 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion: 105 Resp: 5254275

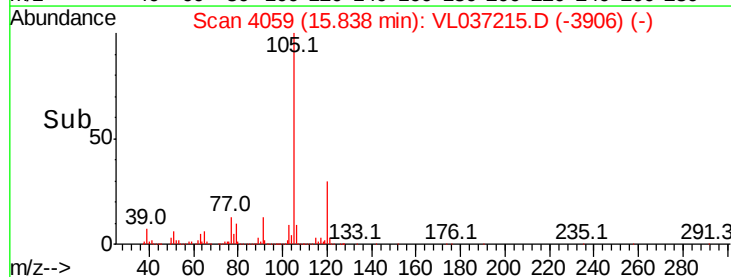
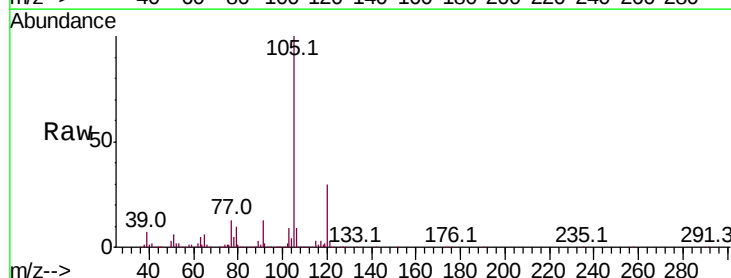
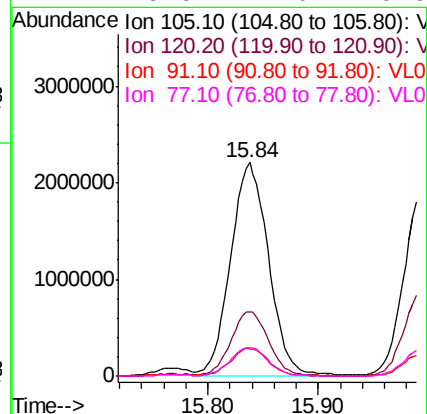
Ion Ratio Lower Upper

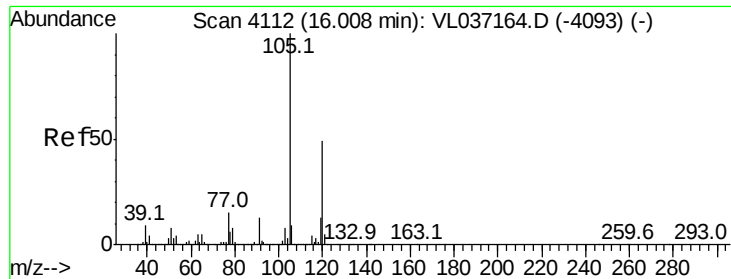
105 100

120 30.2 24.7 37.1

91 12.6 10.2 15.4

77 13.5 11.0 16.6





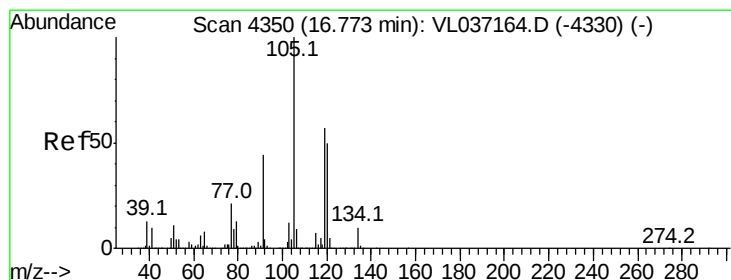
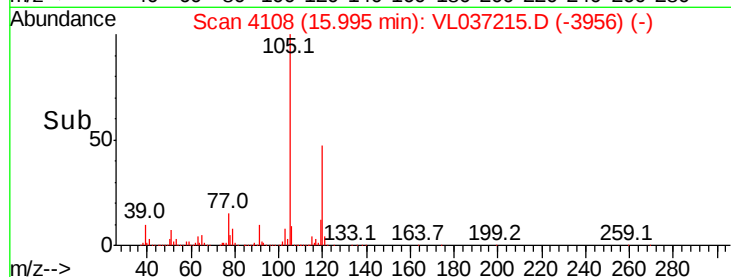
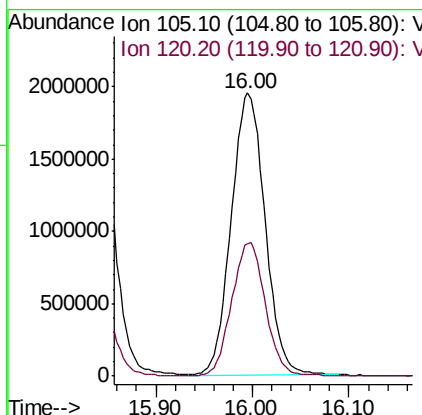
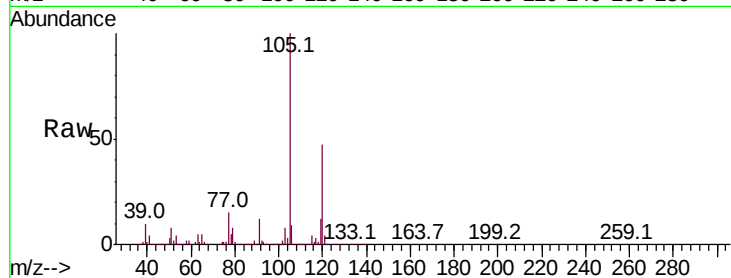
#73
 1,3,5-Trimethylbenzene
 Concen: 10.437 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4731168
 Ion Ratio Lower Upper
 105 100
 120 46.8 39.4 59.2

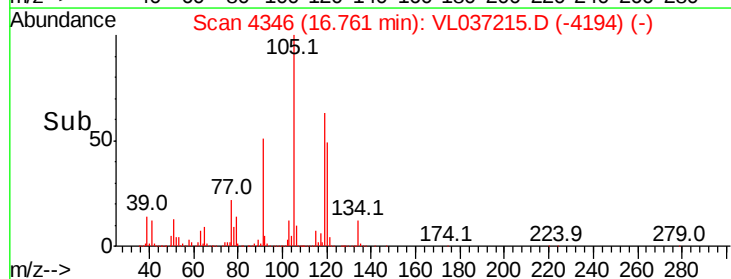
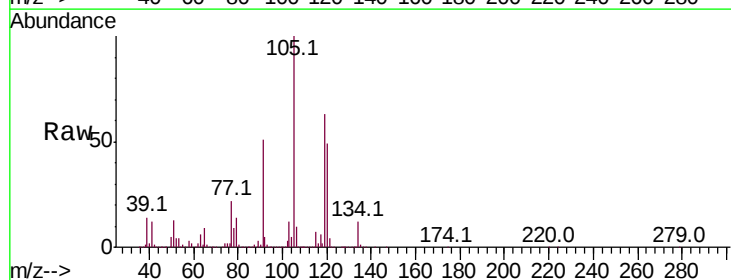
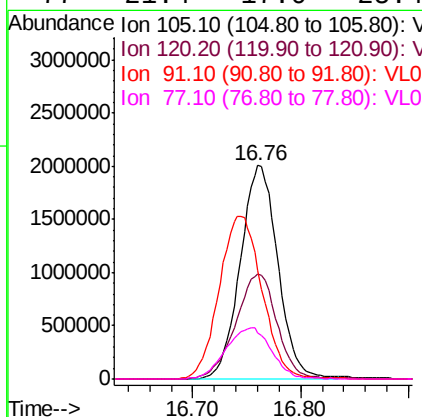
Manual Integrations
 APPROVED

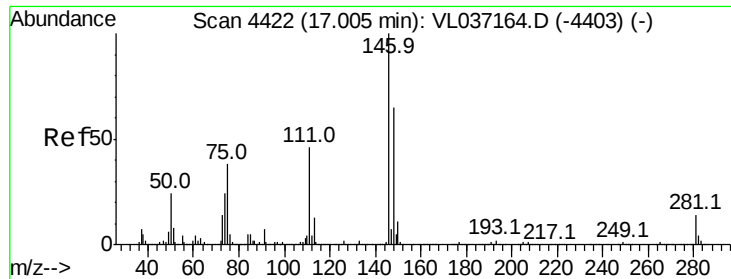
MMDadoda
 6/21/2021 12:58:43 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.403 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:105 Resp: 4858898
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.8 59.8
 91 50.7 37.0 55.4
 77 21.4 17.0 25.4





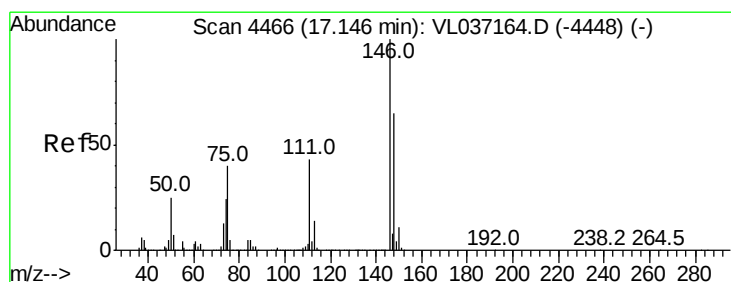
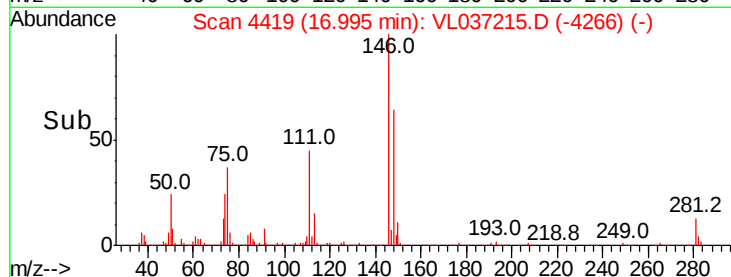
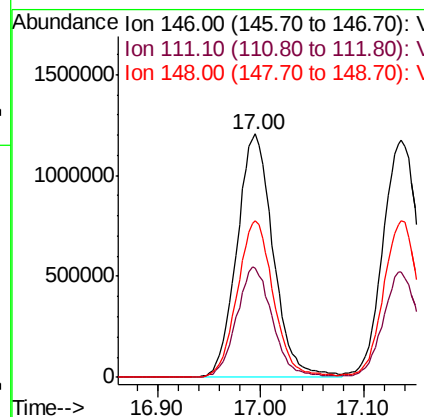
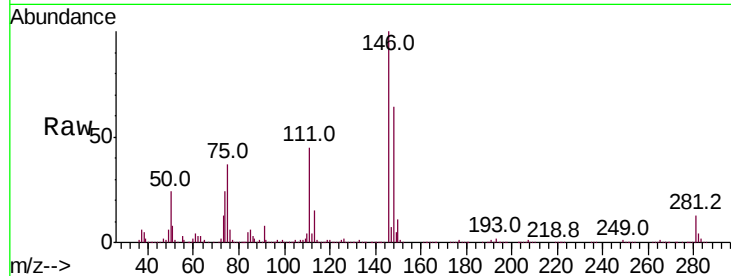
#75
 1,3-Dichlorobenzene
 Concen: 10.397 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2952716
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.2 66.6
 148 64.3 32.4 97.2

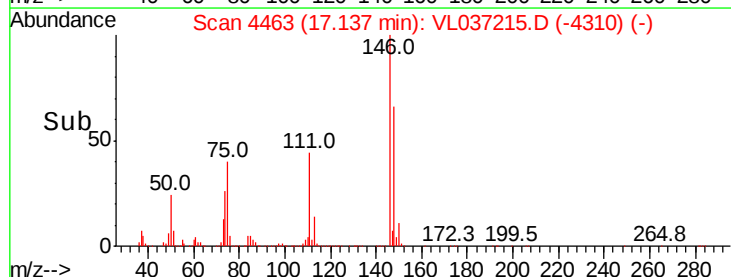
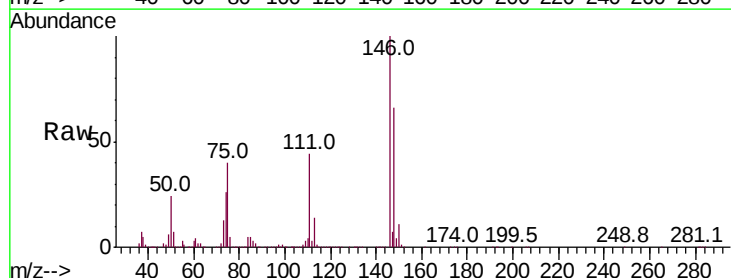
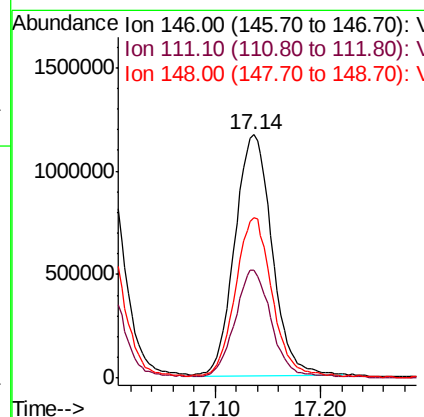
Manual Integrations
 APPROVED

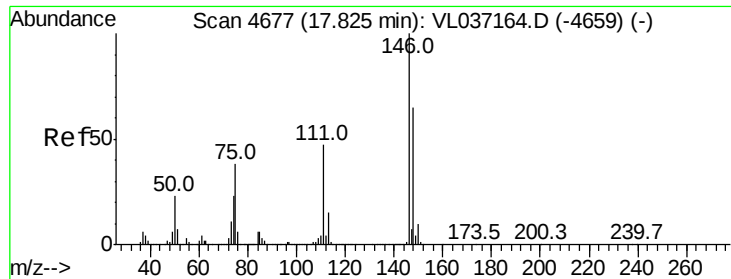
MMDadoda
 6/21/2021 12:58:43 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.030 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:146 Resp: 2845034
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.7 68.0
 148 67.6 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 10.227 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

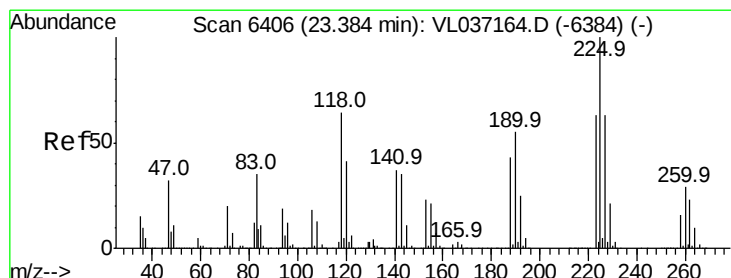
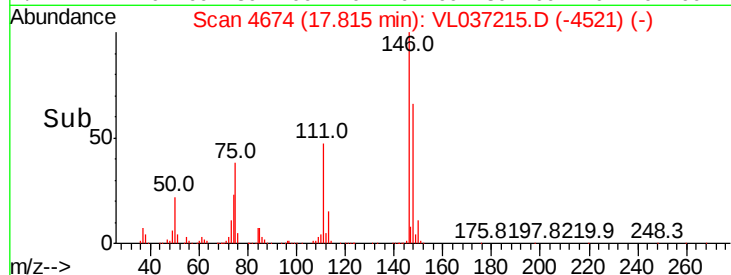
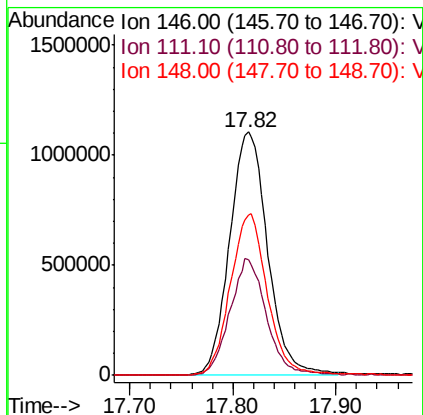
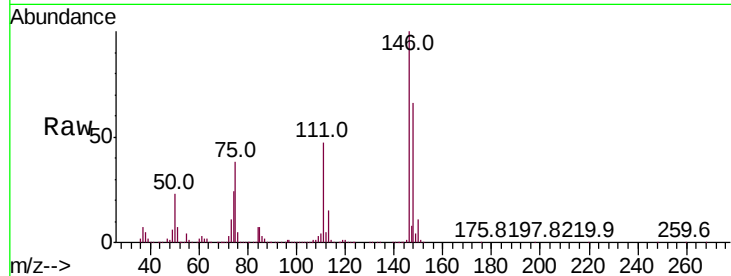
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	2809576
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.3	69.8
148	65.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
6/21/2021 12:58:43 PM



#78

Hexachloro-1,3-Butadiene

Concen: 8.992 ppbv

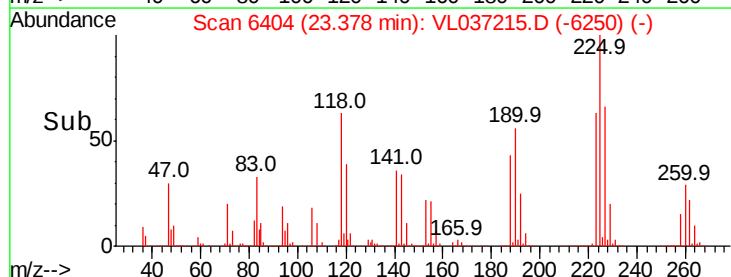
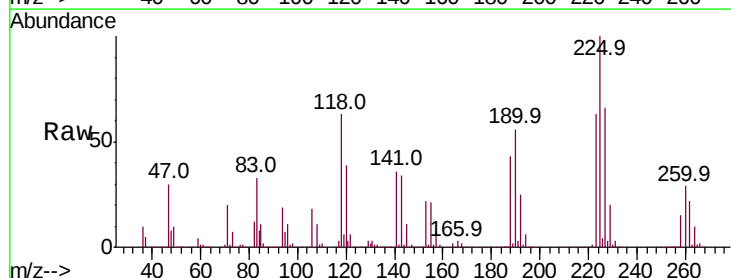
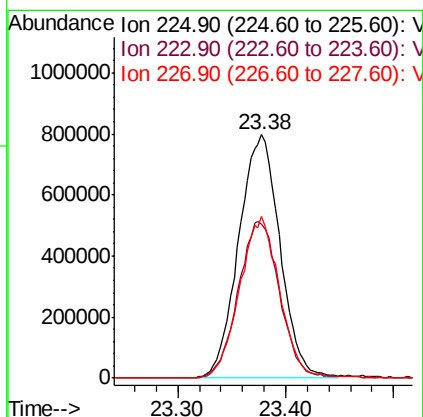
RT: 23.38 min Scan# 6404

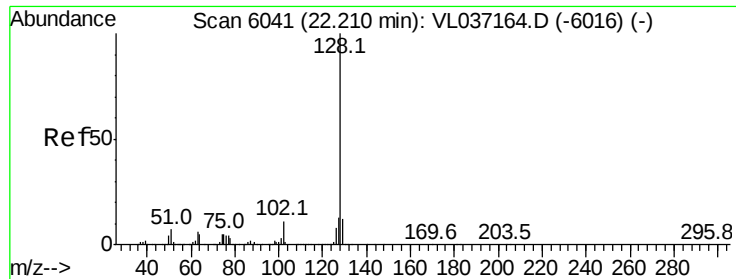
Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion:	225	Resp:	2124062
Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.8	77.8
227	64.4	51.4	77.0





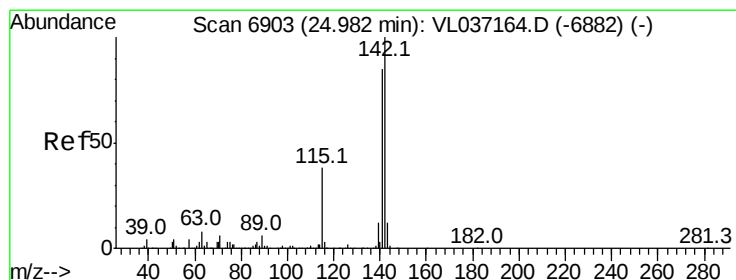
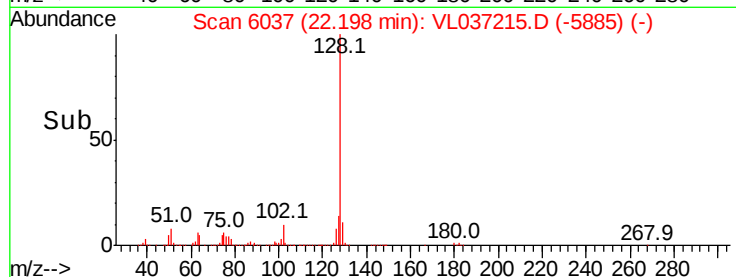
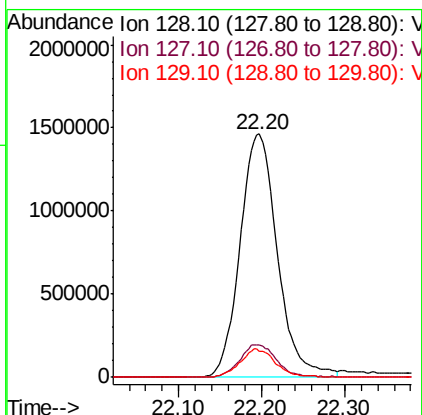
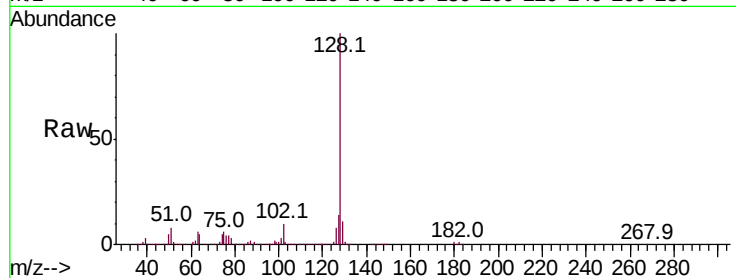
#79
Naphthalene
Concen: 11.777 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.7	9.3	13.9

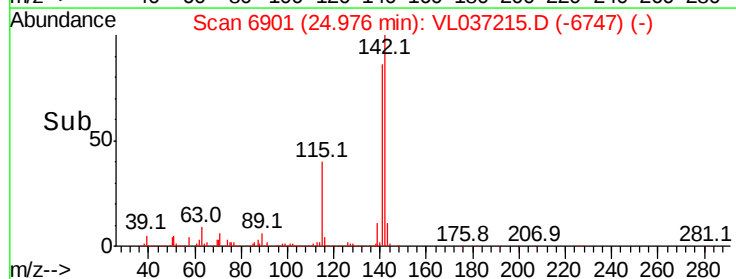
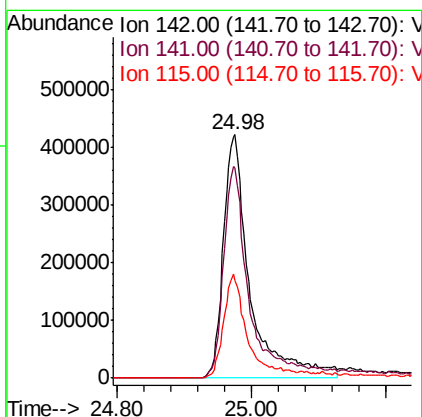
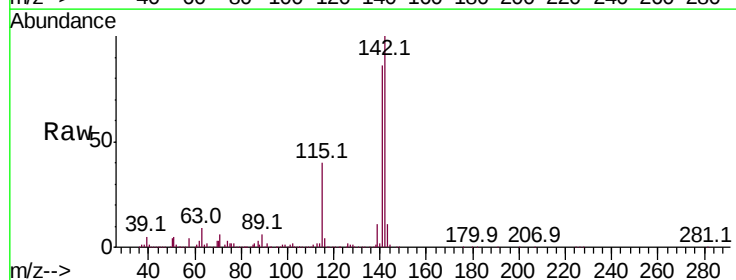
Manual Integrations
APPROVED

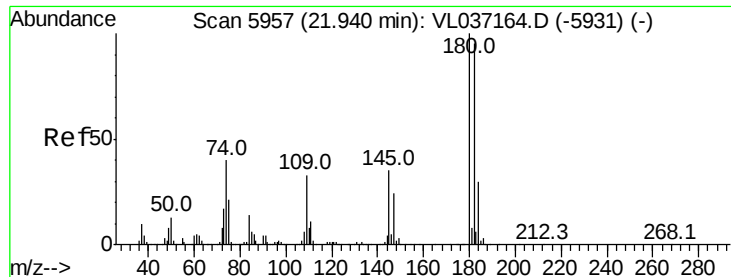
MMDadoda
6/21/2021 12:58:43 PM



#80
Naphthalene, 2-methyl-
Concen: 11.437 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	63.7	95.5
115	43.4	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.901 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. -0.02 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.3	118.9
184	30.6	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:58:43 PM

