

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037281.D
 Acq On : 27 Jul 2021 3:53
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:32 AM

Quant Time: Jul 27 07:36:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1343796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3891898	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3572644	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2729757	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	280517	1.183	ppbv	95
3) Chlorodifluoromethane	2.99	51	273695	1.038	ppbv	100
4) Chloromethane	3.14	50	90900	1.036	ppbv	100
5) Vinyl Chloride	3.26	62	89632	0.938	ppbv	99
6) Bromomethane	3.48	94	57360	1.015	ppbv	95
7) Chloroethane	3.56	64	33566	0.964	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	252196	1.040	ppbv	97
9) Propene	3.01	41	85560	1.019	ppbv	93
10) Heptane	8.12	43	192852	0.945	ppbv	97
11) Trichlorofluoromethane	3.95	101	253258	1.000	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	192107	1.074	ppbv	96
13) Ethanol	3.62	45	18446m	1.450	ppbv	
14) Bromoethene	3.74	108	71980	0.970	ppbv	94
15) Acetone	3.86	43	296193	1.901	ppbv #	79
16) 1,3-Butadiene	3.33	39	98612m	1.090	ppbv	
17) tert-Butyl alcohol	4.31	59	155969m	1.106	ppbv	
18) 1,1-Dichloroethene	4.29	96	76782	0.966	ppbv	98
19) Isopropyl Alcohol	3.98	45	91725m	1.014	ppbv	
20) Methylene Chloride	4.35	84	100713	1.090	ppbv	94
21) Allyl Chloride	4.41	41	116730	1.002	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	72442	0.924	ppbv	96
23) Vinyl Acetate	5.08	43	218318m	0.998	ppbv	
24) 1,1-Dichloroethane	5.01	63	185145	1.044	ppbv	96
25) Ethyl Acetate	5.69	43	319266	0.964	ppbv	98
26) Hexane	5.69	57	171141	1.026	ppbv	94
27) Carbon Disulfide	4.56	76	146680	0.890	ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	197370	0.984	ppbv	97
29) Chloroform	5.75	83	261577	1.007	ppbv	98
30) Cyclohexane	7.13	84	131052	0.942	ppbv	94
31) cis-1,2-Dichloroethene	5.55	61	137964	0.897	ppbv #	93
32) 1,1,1-Trichloroethane	6.52	97	267848	0.969	ppbv	99
34) 2-Butanone	5.26	43	168171	1.089	ppbv #	89
35) Carbon Tetrachloride	7.02	117	274432	1.038	ppbv	96
36) Benzene	6.89	78	324863	1.026	ppbv	97
37) 1,2-Dichloroethane	6.31	62	180462	0.968	ppbv	98
38) Trichloroethene	7.84	130	130156	0.864	ppbv	99
39) 1,2-Dichloropropane	7.62	63	117792	1.001	ppbv	90
40) 1,4-Dioxane	7.86	88	35285m	1.108	ppbv	
41) Tetrahydrofuran	6.07	42	71343m	1.005	ppbv	
42) Bromodichloromethane	7.79	83	242321	0.951	ppbv #	98
43) Methyl Methacrylate	8.02	69	97926	0.894	ppbv	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037281.D
 Acq On : 27 Jul 2021 3:53
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

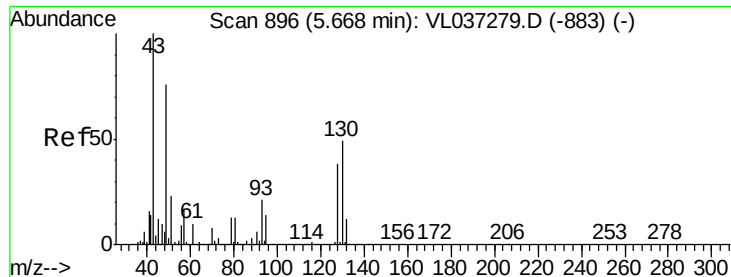
MMDadoda
 8/2/2021 9:03:32 AM

Quant Time: Jul 27 07:36:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	557663	1.042	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	74615m	0.790	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	110574	0.853	ppbv #	95
47) 1,1,2-Trichloroethane	9.48	97	129643	0.962	ppbv	96
48) Dibromochloromethane	10.31	129	198787m	0.928	ppbv	
49) Bromoform	13.04	173	139157	0.861	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	223996m	1.055	ppbv	
51) 2-Hexanone	10.16	43	105328m	1.014	ppbv	
52) Tetrachloroethene	11.23	164	138140	0.941	ppbv	93
53) Toluene	9.81	91	361697	0.953	ppbv	97
54) 1,2-Dibromoethane	10.61	107	195169	1.006	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	161756	1.020	ppbv #	1
57) Chlorobenzene	12.15	112	304913m	1.042	ppbv	
58) Ethyl Benzene	12.72	91	508148	1.024	ppbv	98
59) m/p-Xylene	13.00	91	887875m	2.103	ppbv	
60) o-Xylene	13.70	91	434398	1.078	ppbv	99
61) Styrene	13.54	104	197247m	0.958	ppbv	
62) Isopropylbenzene	14.67	105	617308	1.077	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	296409m	1.102	ppbv	
64) n-propylbenzene	15.57	120	147511	1.031	ppbv	80
65) tert-Butylbenzene	16.75	119	565455	1.106	ppbv	96
66) Benzyl Chloride	16.99	91	18784m	0.863	ppbv	
67) sec-Butylbenzene	17.30	105	751534	1.104	ppbv	99
69) p-Isopropyltoluene	17.66	119	627730	1.093	ppbv	98
70) n-Butylbenzene	18.56	91	565408	1.065	ppbv	99
71) 2-Chlorotoluene	15.45	91	438647	1.091	ppbv	98
72) 4-Ethyltoluene	15.85	105	480760	1.047	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	461177	1.039	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	521318	1.140	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	307811m	1.109	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	260105	0.940	ppbv	92
77) 1,2-Dichlorobenzene	17.82	146	272166	1.010	ppbv	93
78) Hexachloro-1,3-Butadiene	23.38	225	229605	1.025	ppbv	98
79) Naphthalene	22.22	128	345679m	0.966	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	71180	0.828	ppbv #	76
81) 1,2,4-Trichlorobenzene	21.94	180	206721m	0.984	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1343796

Ion Ratio Lower Upper

49 100

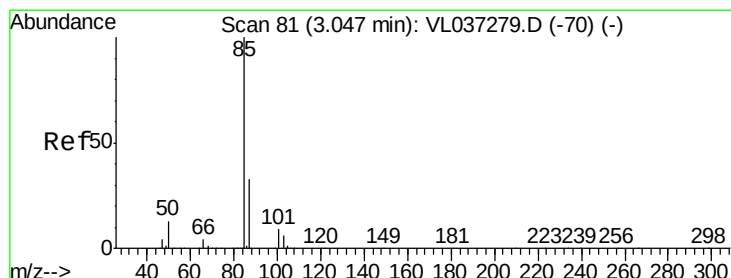
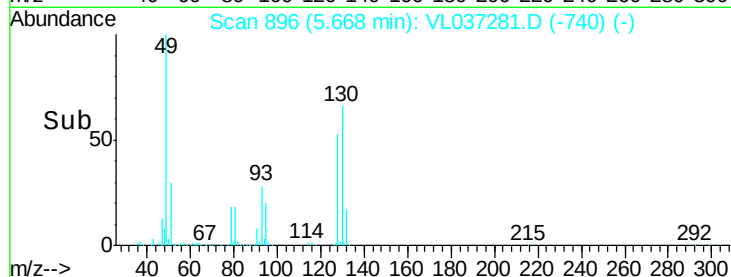
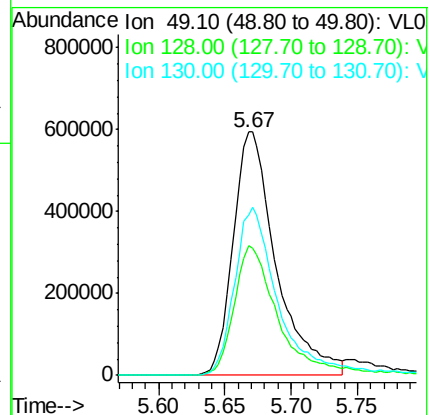
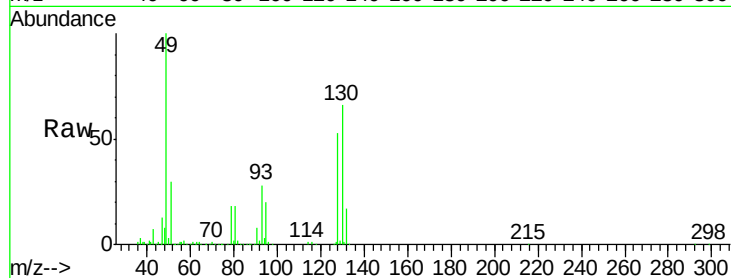
128 55.5 28.4 85.2

130 71.5 34.8 104.5

Manual Integrations
APPROVED

MMDadoda

8/2/2021 9:03:32 AM



#2

Dichlorodifluoromethane

Concen: 1.183 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037281.D

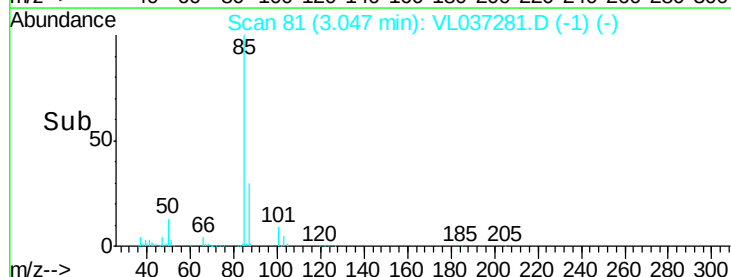
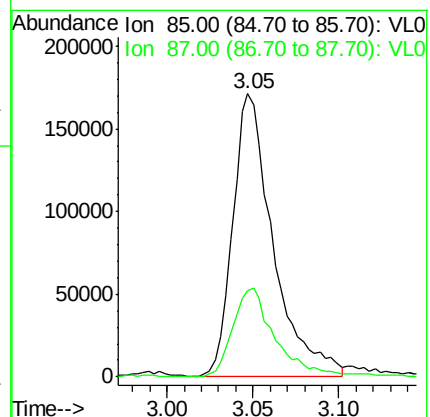
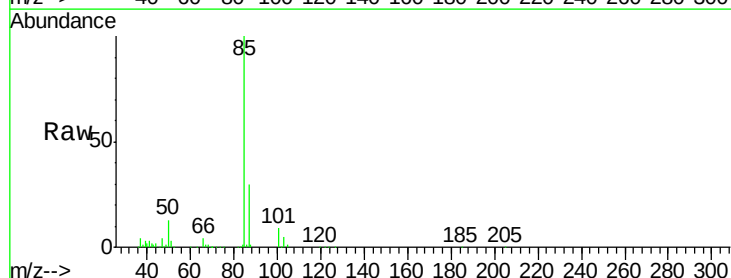
Acq: 27 Jul 2021 3:53

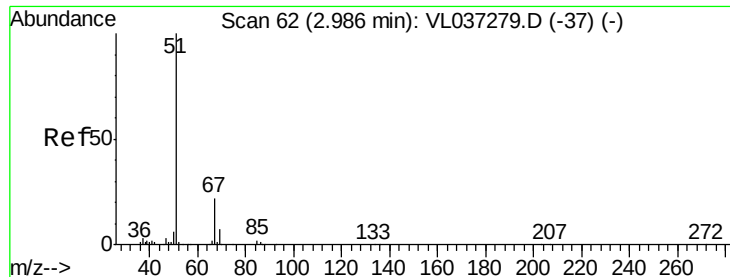
Tgt Ion: 85 Resp: 280517

Ion Ratio Lower Upper

85 100

87 30.2 26.6 39.8





#3

Chlorodifluoromethane

Concen: 1.038 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 273695

Ion Ratio Lower Upper

51 100

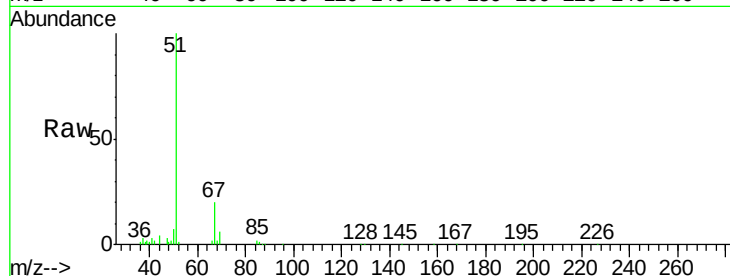
67 20.4 16.2 24.4

Manual Integrations

APPROVED

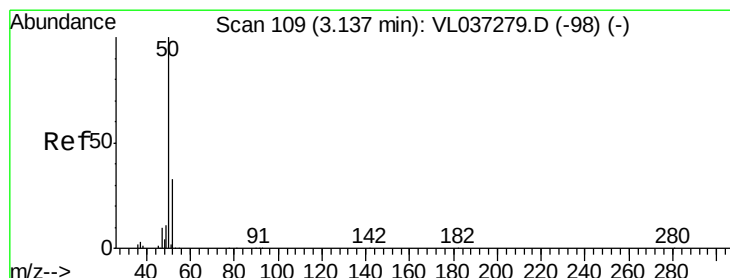
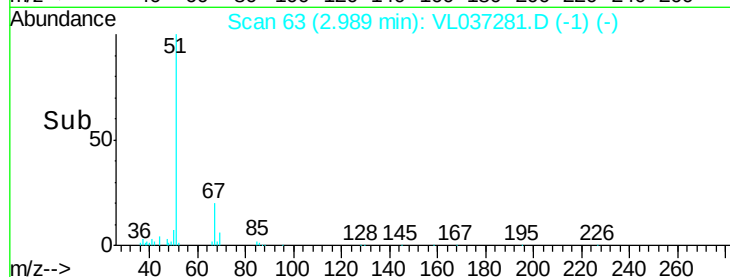
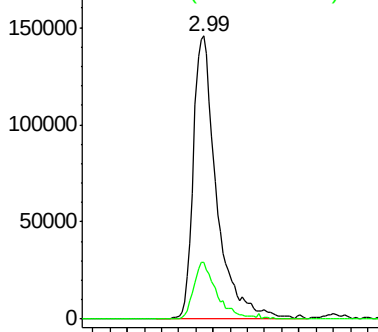
MMDadoda

8/2/2021 9:03:32 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.036 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037281.D

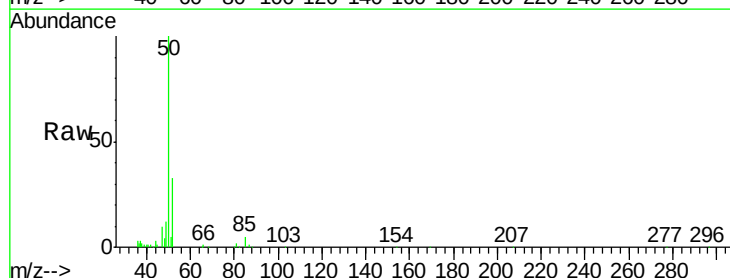
Acq: 27 Jul 2021 3:53

Tgt Ion: 50 Resp: 90900

Ion Ratio Lower Upper

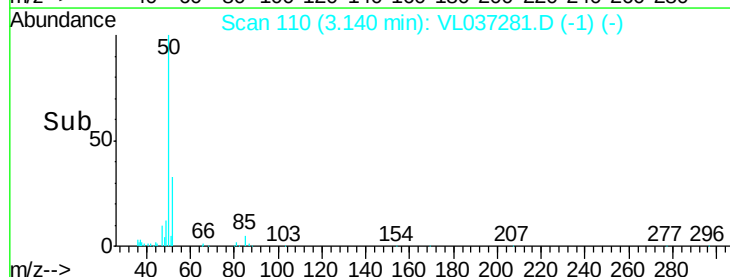
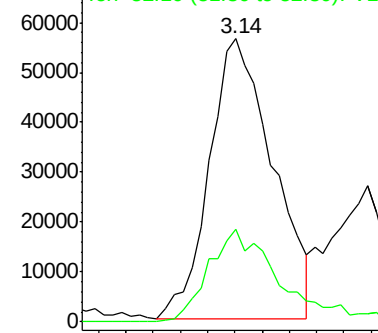
50 100

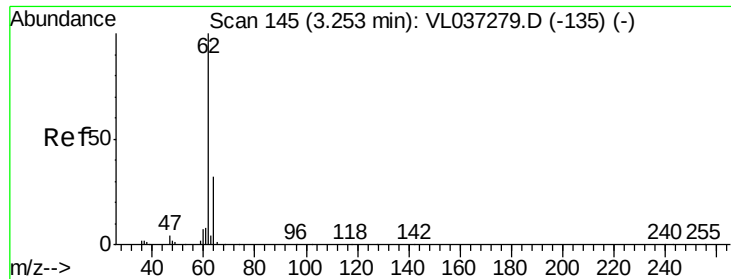
52 33.2 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.938 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 89632

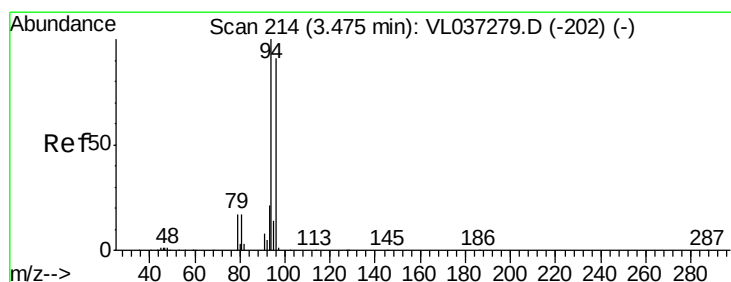
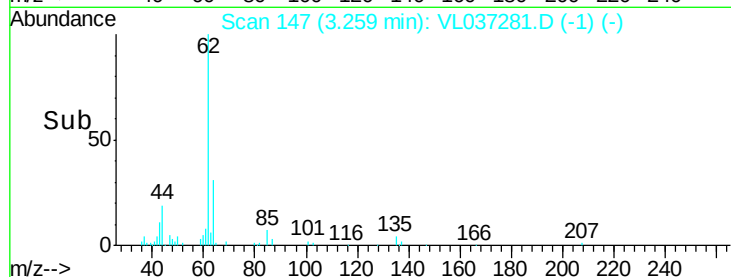
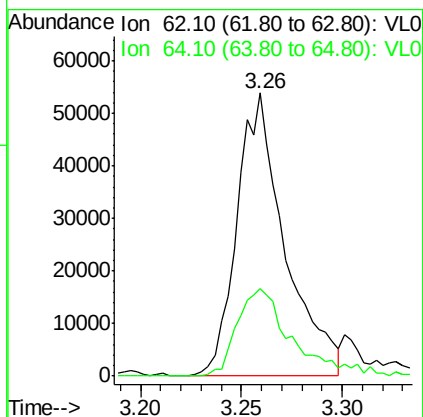
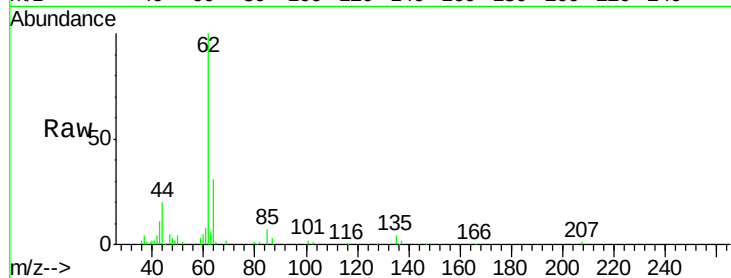
Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#6

Bromomethane

Concen: 1.015 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037281.D

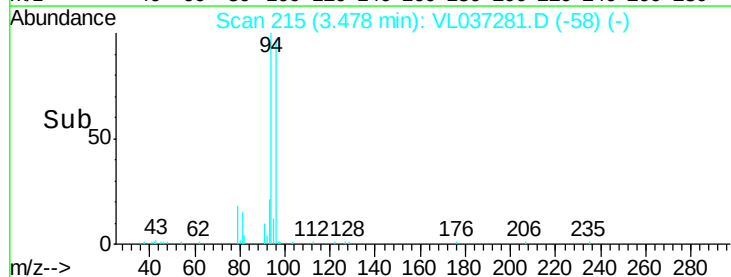
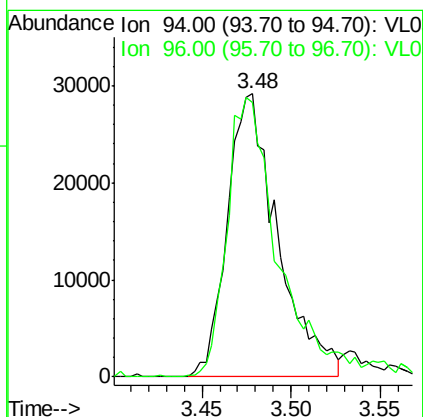
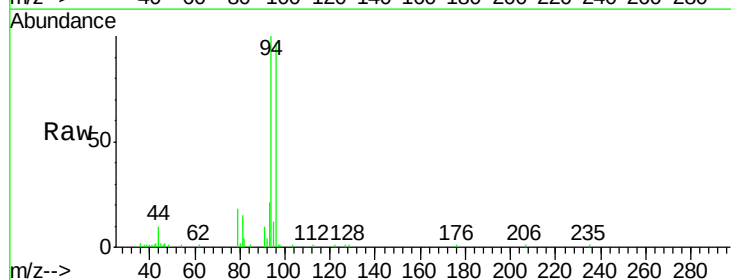
Acq: 27 Jul 2021 3:53

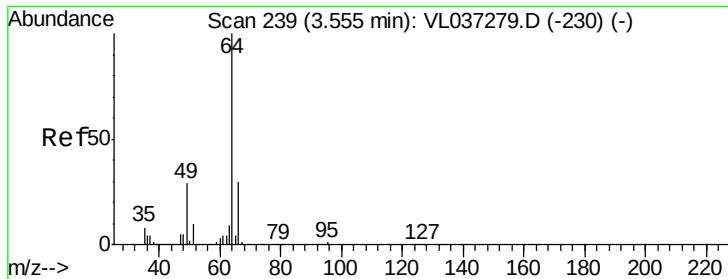
Tgt Ion: 94 Resp: 57360

Ion Ratio Lower Upper

94 100

96 96.3 73.0 109.4





#7

Chloroethane

Concen: 0.964 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 33566

Ion Ratio Lower Upper

64 100

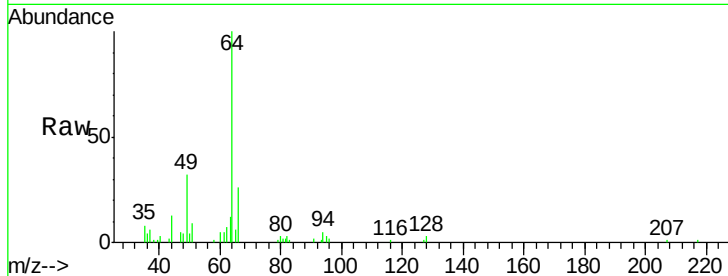
66 26.1 24.3 36.5

Manual Integrations

APPROVED

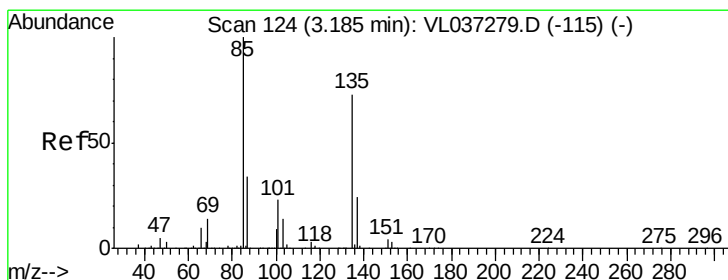
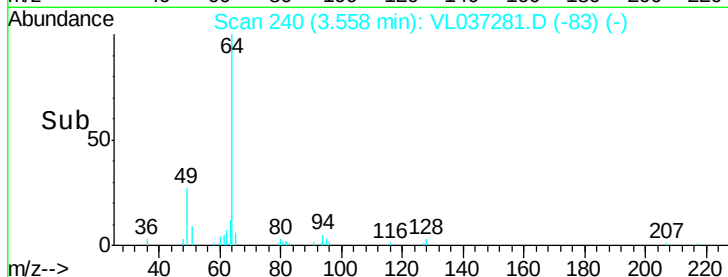
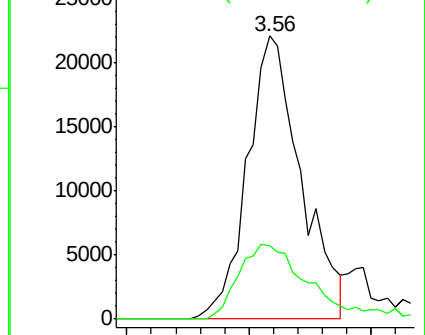
MMDadoda

8/2/2021 9:03:32 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.040 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037281.D

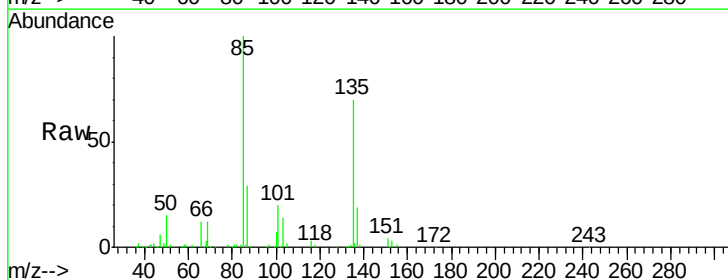
Acq: 27 Jul 2021 3:53

Tgt Ion: 85 Resp: 252196

Ion Ratio Lower Upper

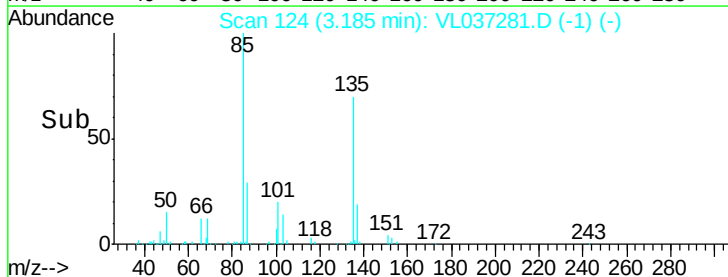
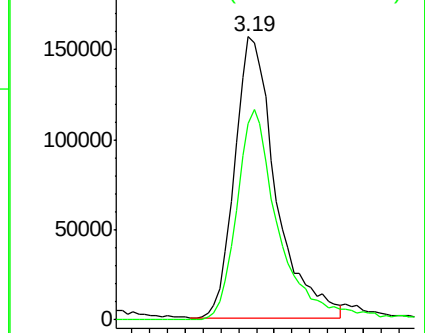
85 100

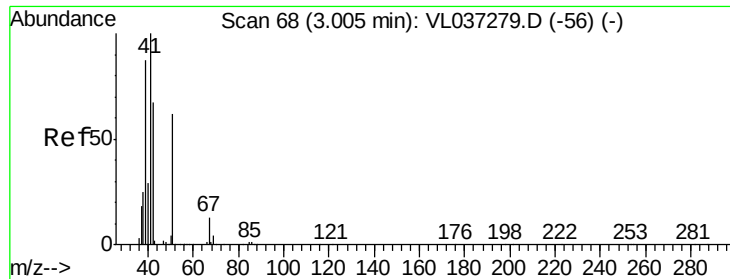
135 77.7 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.019 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 85560

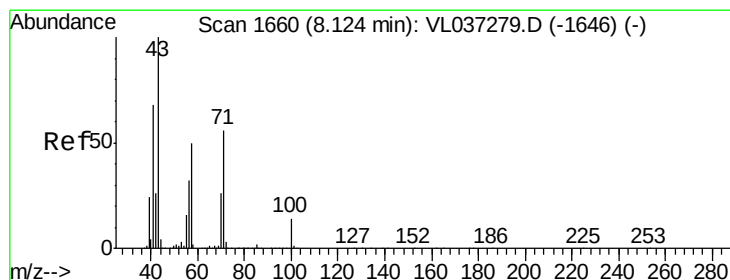
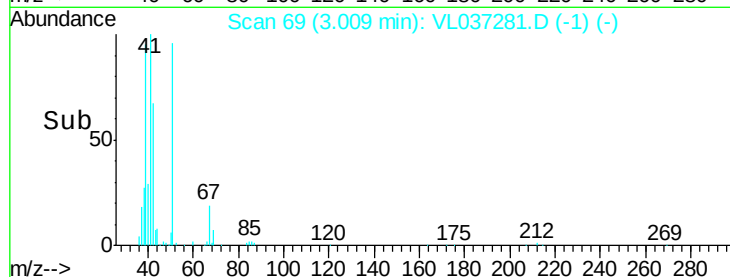
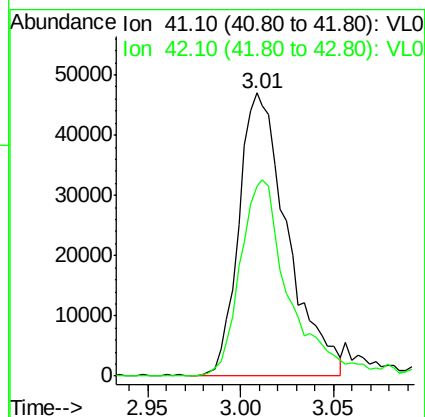
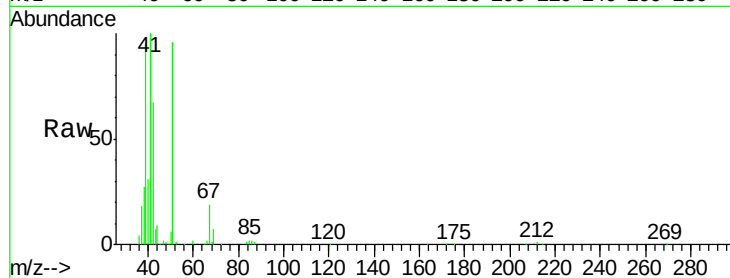
Ion Ratio Lower Upper

41 100

42 72.4 53.4 80.2

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#10

Heptane

Concen: 0.945 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037281.D

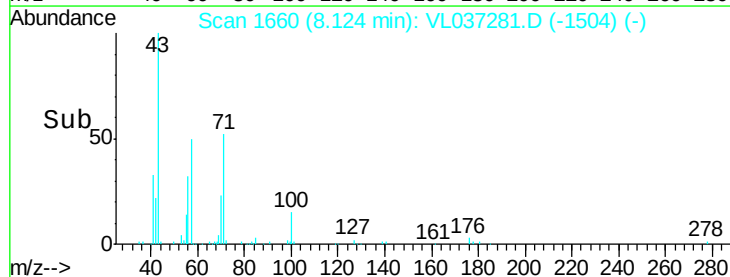
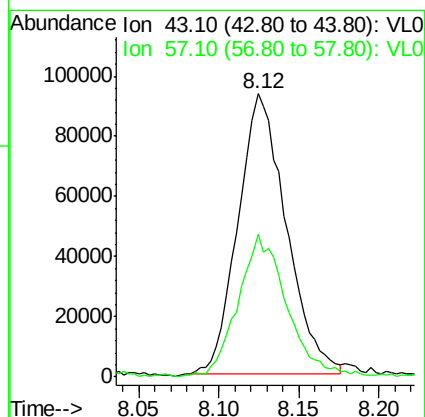
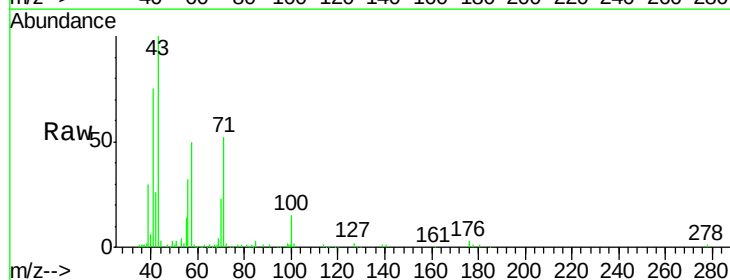
Acq: 27 Jul 2021 3:53

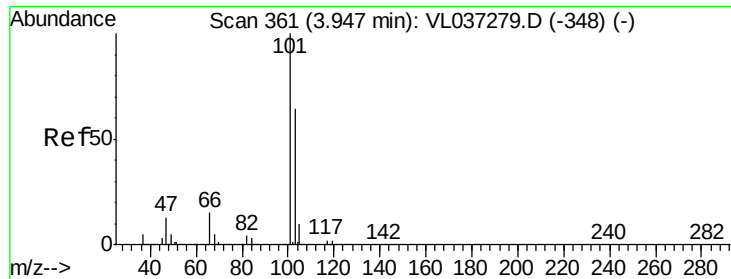
Tgt Ion: 43 Resp: 192852

Ion Ratio Lower Upper

43 100

57 52.2 40.1 60.1





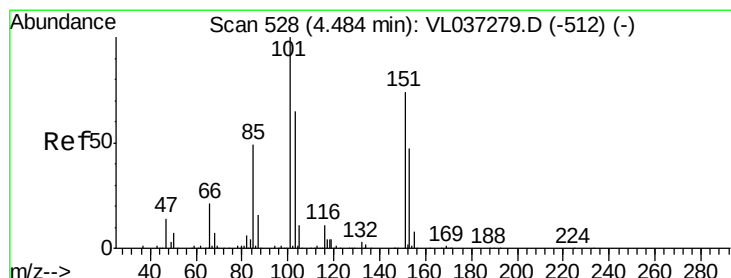
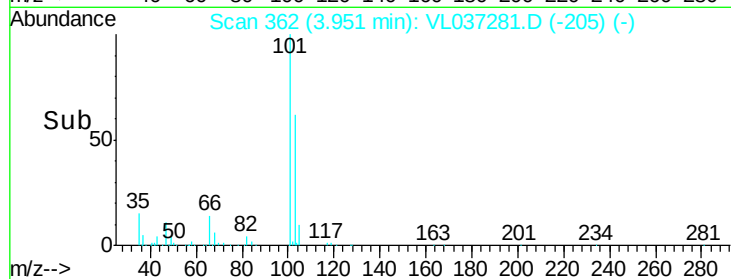
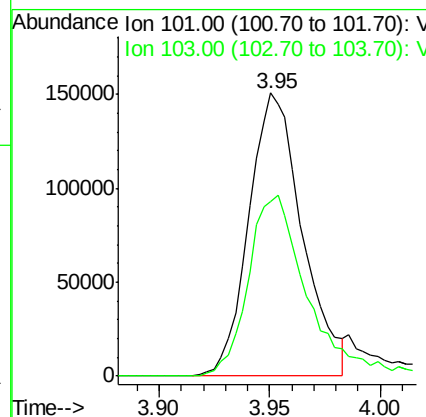
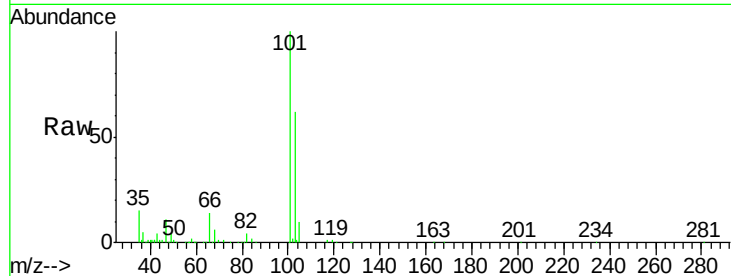
#11
 Trichlorofluoromethane
 Concen: 1.000 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.4	77.0

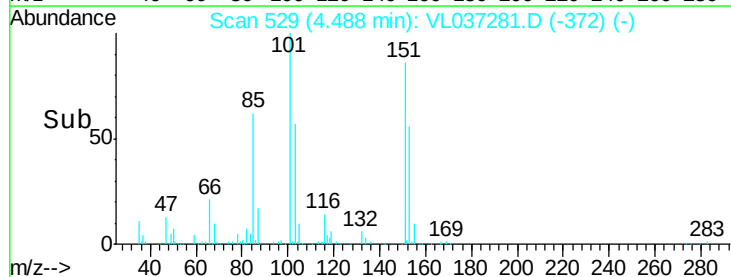
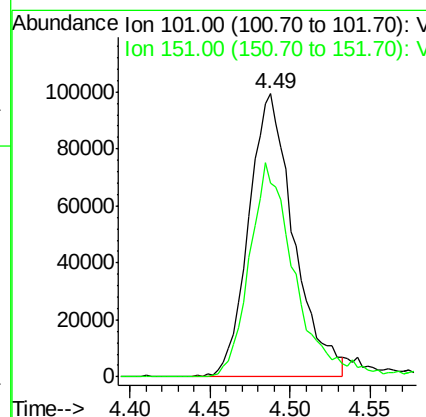
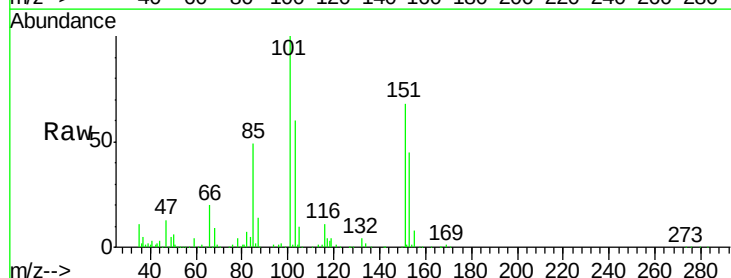
Manual Integrations
 APPROVED

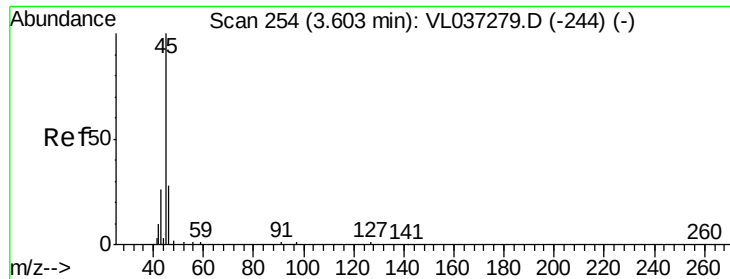
MMDadoda
 8/2/2021 9:03:32 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.074 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
101	100		
151	77.3	59.3	88.9





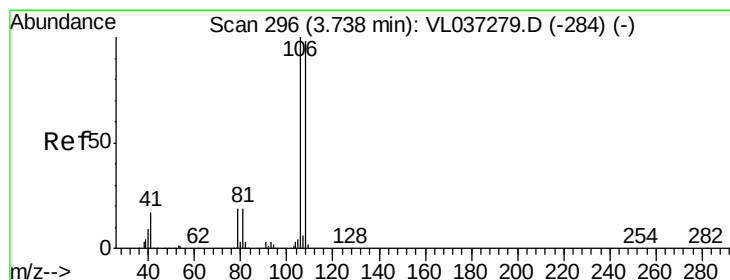
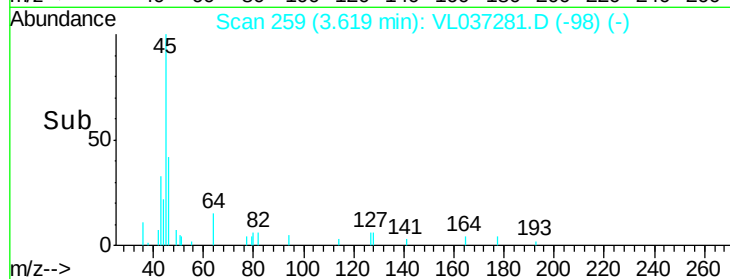
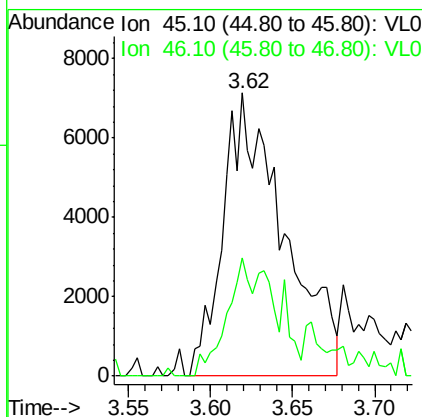
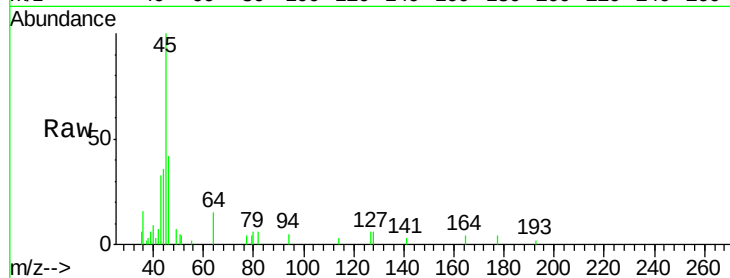
#13
Ethanol
Concen: 1.450 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	45	46	Ratio	100	44.8	Resp	18446	Lower	Upper
45	100								
46		44.8				15.1	60.3		

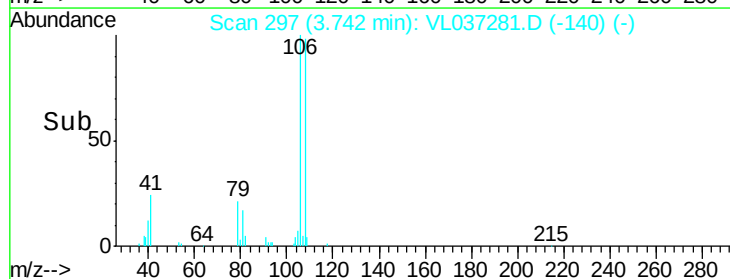
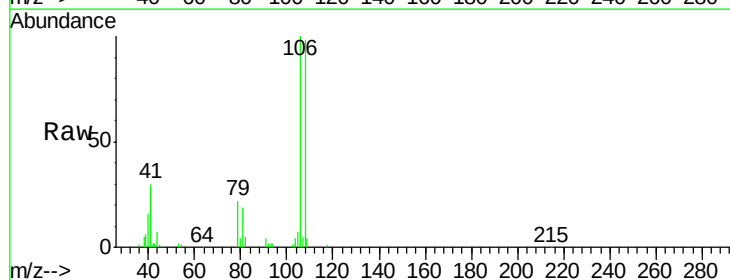
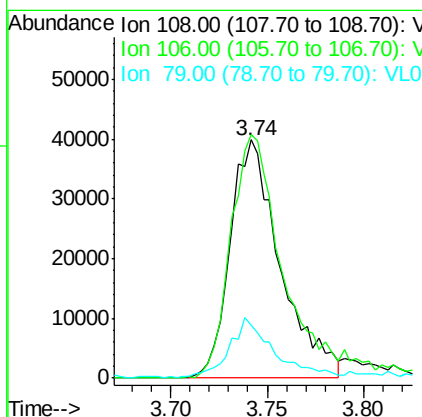
Manual Integrations
APPROVED

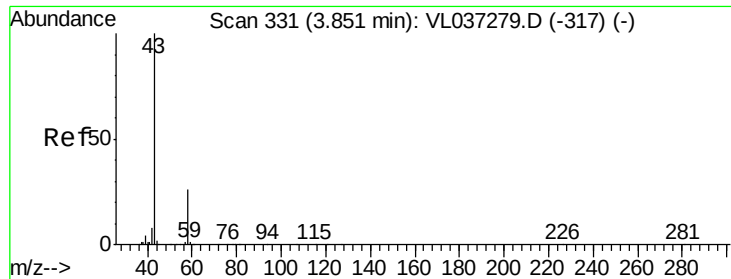
MMDadoda
8/2/2021 9:03:32 AM



#14
Bromoethene
Concen: 0.970 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	108	106	79	Ratio	100	113.4	23.6	Resp	71980	Lower	Upper
108	100										
106		113.4				86.0	129.0				
79			23.6			16.0	24.0				





#15

Acetone

Concen: 1.901 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 296193

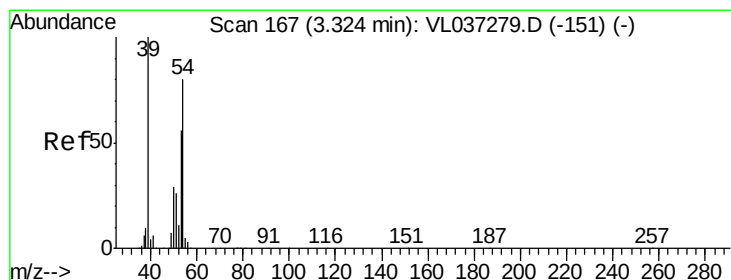
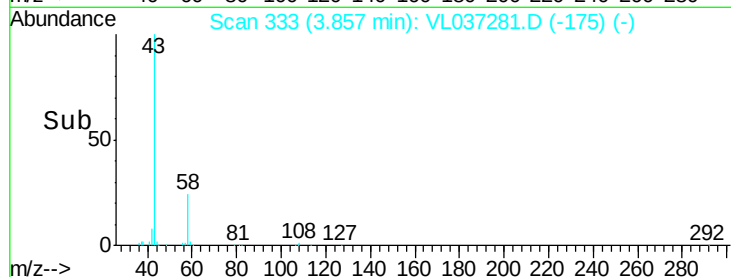
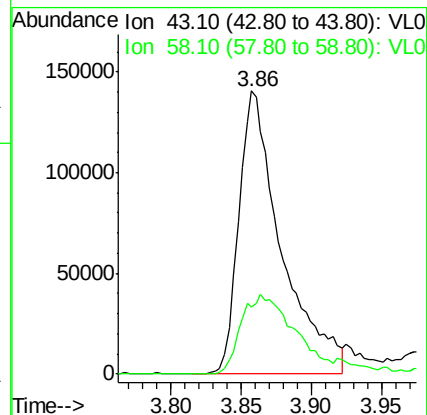
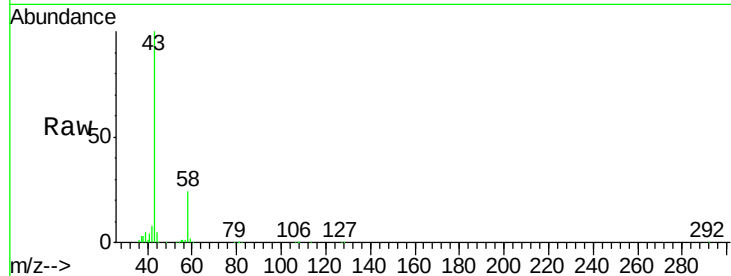
Ion Ratio Lower Upper

43 100

58 38.9 22.3 33.5#

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#16

1,3-Butadiene

Concen: 1.090 ppbv m

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL037281.D

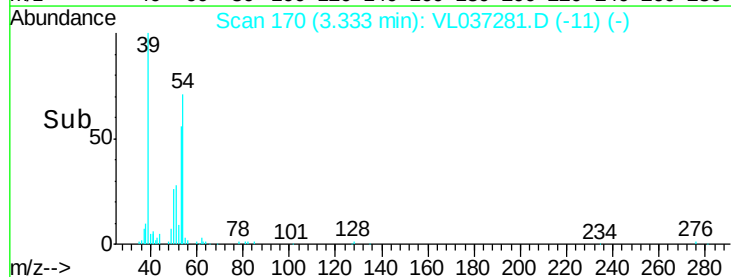
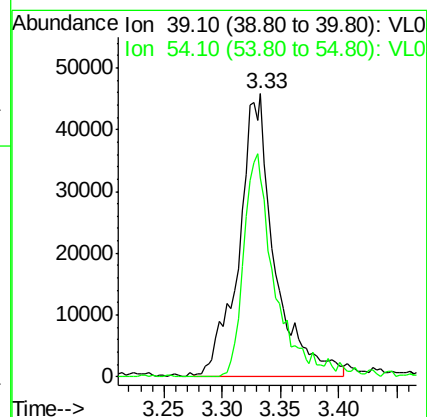
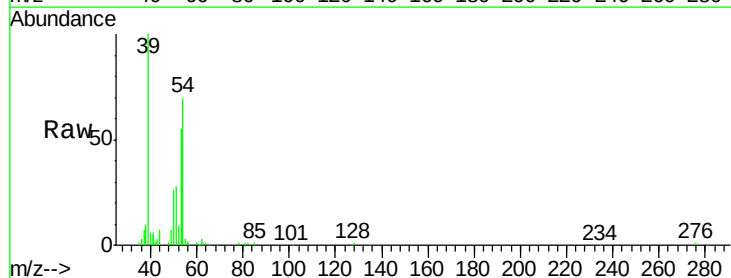
Acq: 27 Jul 2021 3:53

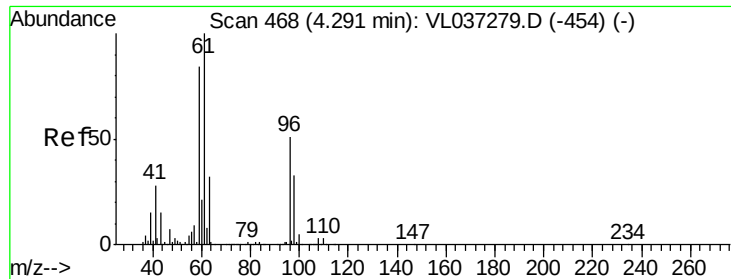
Tgt Ion: 39 Resp: 98612

Ion Ratio Lower Upper

39 100

54 0.0 60.4 90.6#





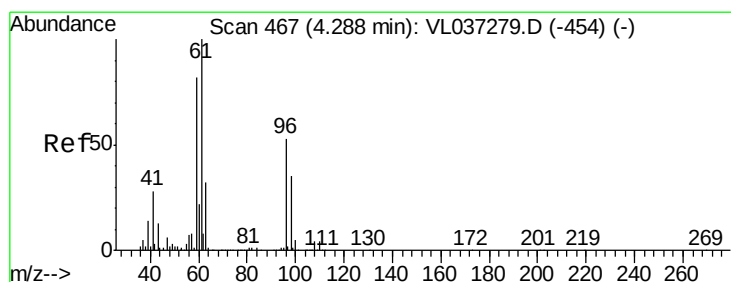
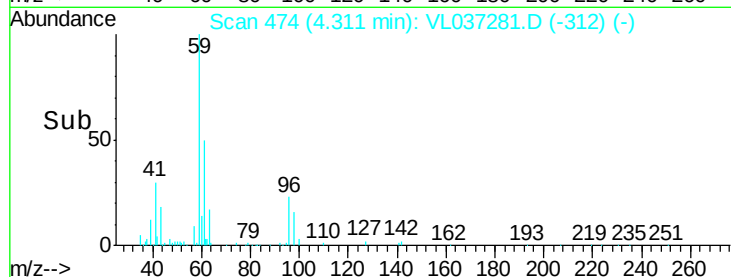
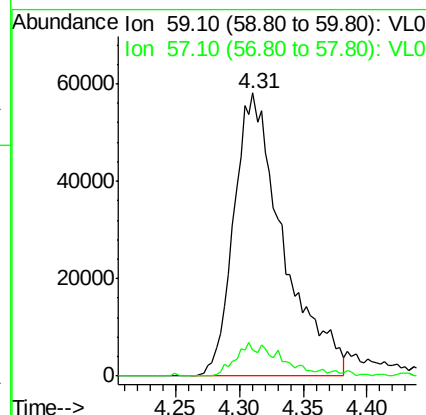
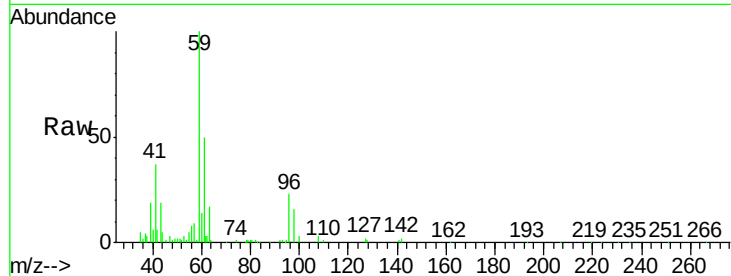
#17
tert-Butyl alcohol
Concen: 1.106 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	59	Resp	155969
Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.6	13.0

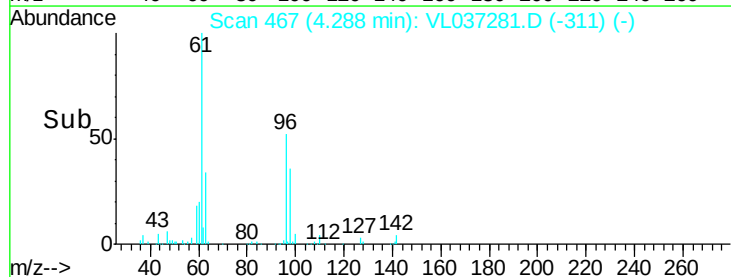
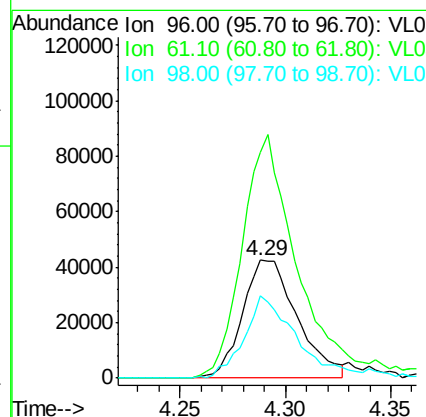
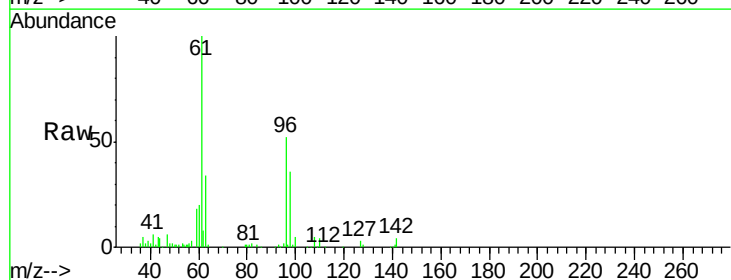
Manual Integrations
APPROVED

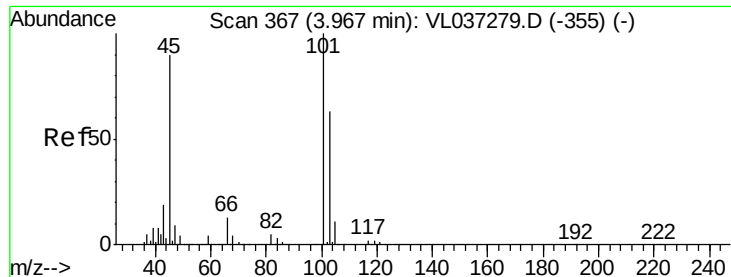
MMDadoda
8/2/2021 9:03:32 AM



#18
1,1-Dichloroethene
Concen: 0.966 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	96	Resp	76782
Ion	Ratio	Lower	Upper
96	100		
61	190.6	151.4	227.2
98	69.7	52.4	78.6





#19

Isopropyl Alcohol

Concen: 1.014 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 91725

Ion Ratio Lower Upper

45 100

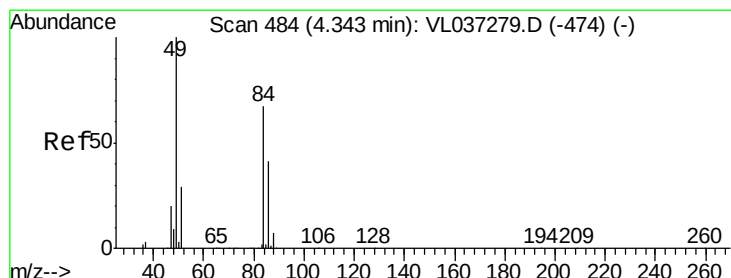
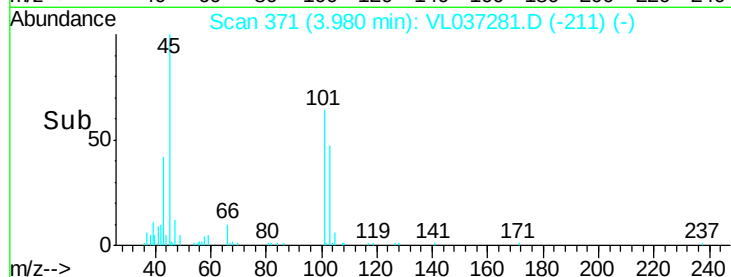
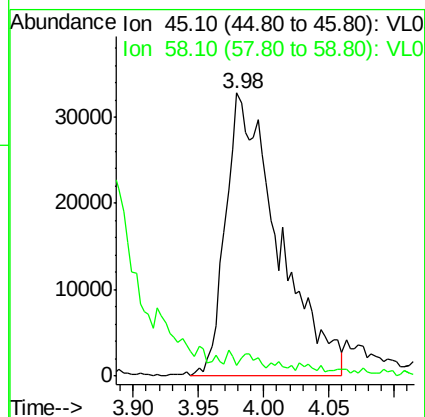
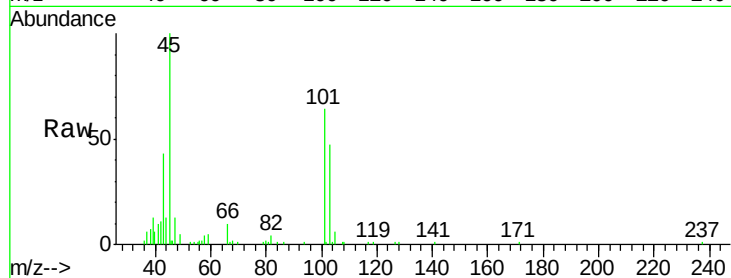
58 6.4 3.0 4.4#

Manual Integrations

APPROVED

MMDadoda

8/2/2021 9:03:32 AM



#20

Methylene Chloride

Concen: 1.090 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion: 84 Resp: 100713

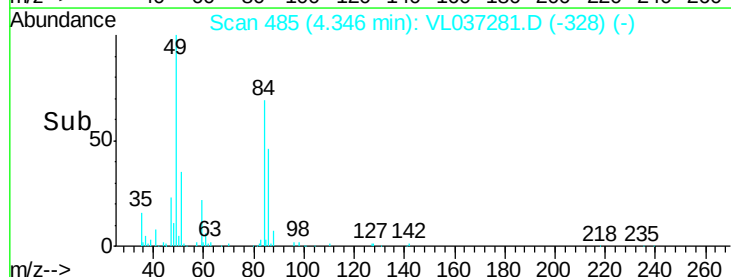
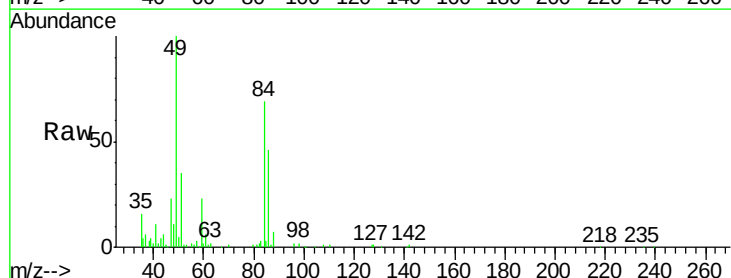
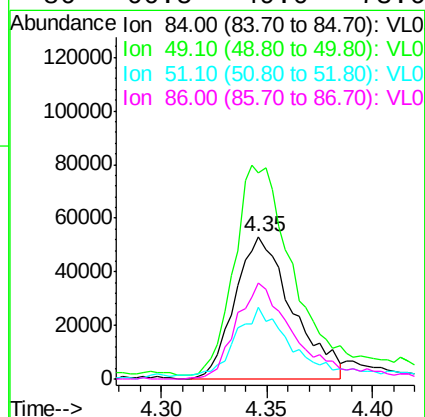
Ion Ratio Lower Upper

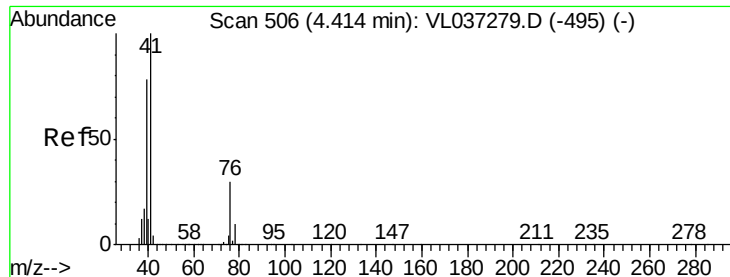
84 100

49 142.0 119.0 178.6

51 47.9 35.0 52.4

86 66.5 49.0 73.6





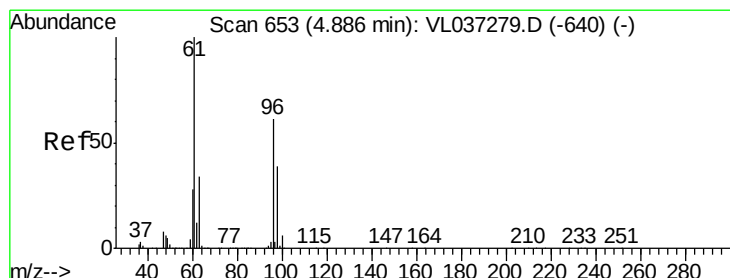
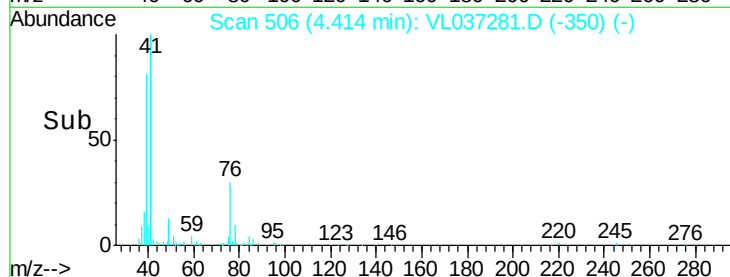
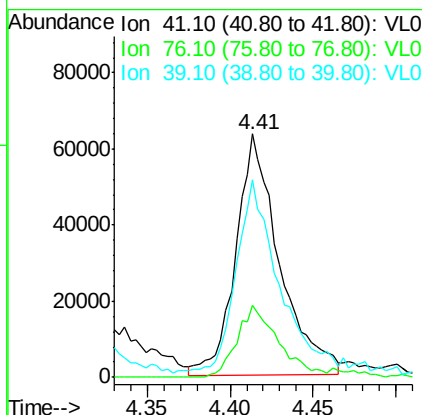
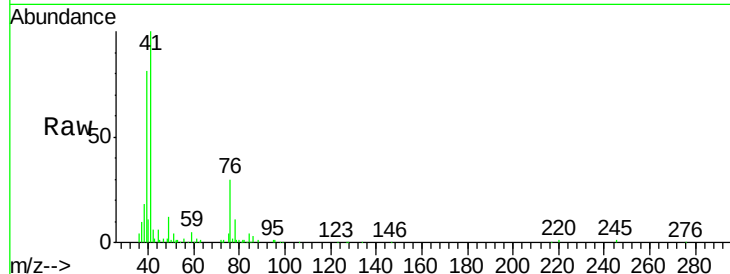
#21
Allvl Chloride
Concen: 1.002 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.6	23.6	35.4
39	87.4	63.8	95.6

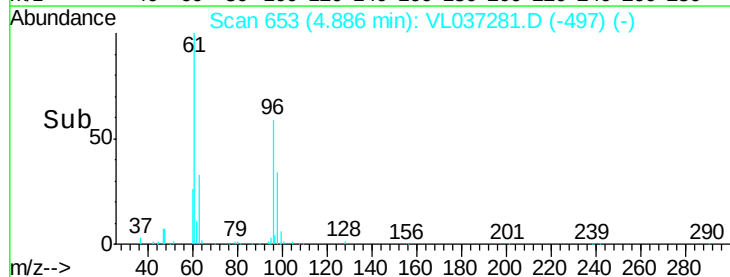
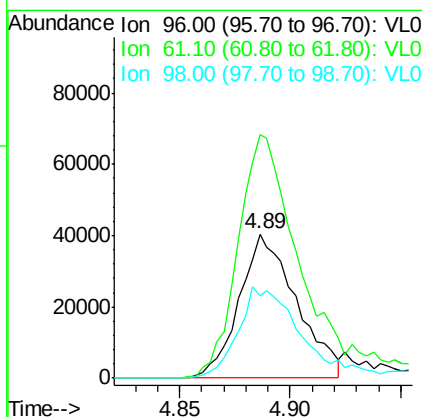
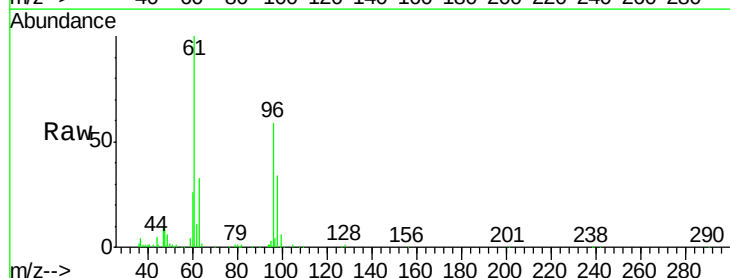
Manual Integrations
APPROVED

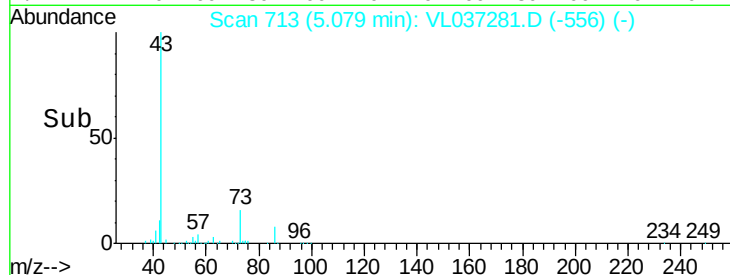
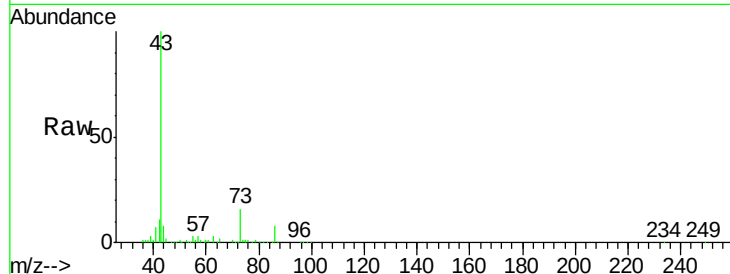
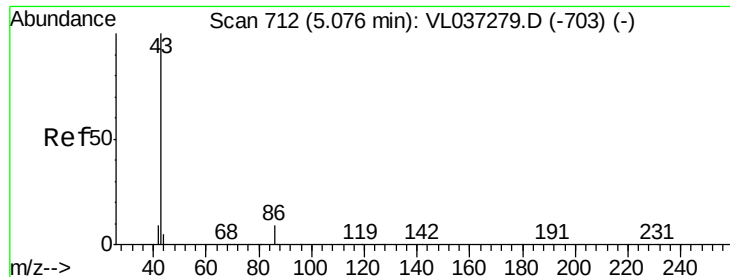
MMDadoda
8/2/2021 9:03:32 AM



#22
trans-1,2-Dichloroethene
Concen: 0.924 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	131.8	197.6
98	57.4	51.4	77.2





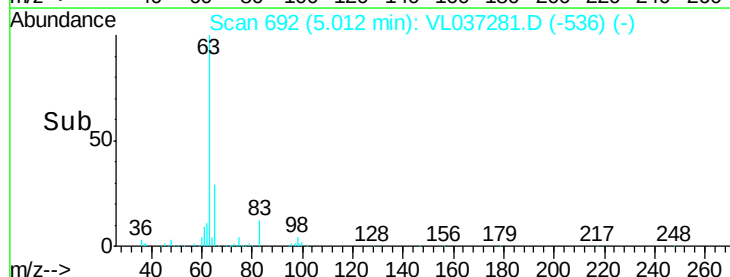
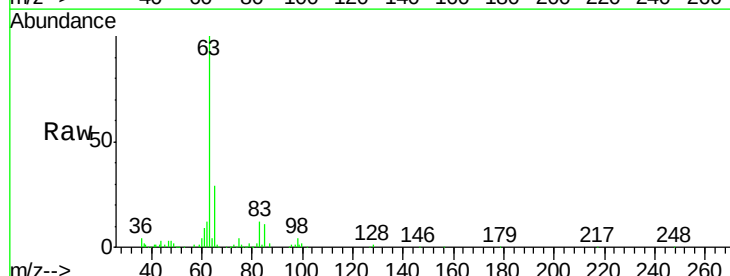
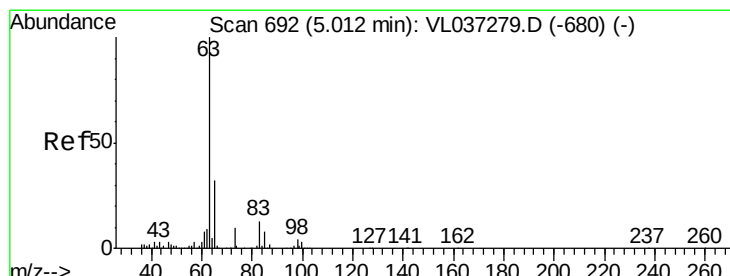
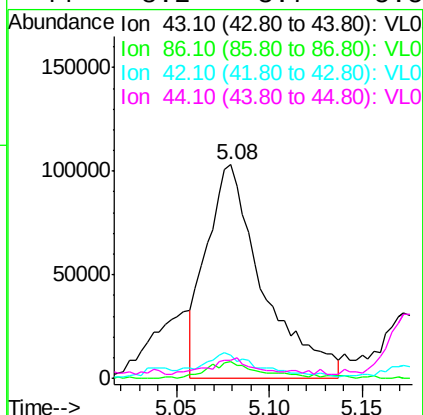
#23
 Vinyl Acetate
 Concen: 0.998 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tot Ion	43	Resp	218318
Ion Ratio	Lower	Upper	
43	100		
86	7.8	6.2	9.2
42	10.9	8.2	12.4
44	8.2	3.7	5.5#

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

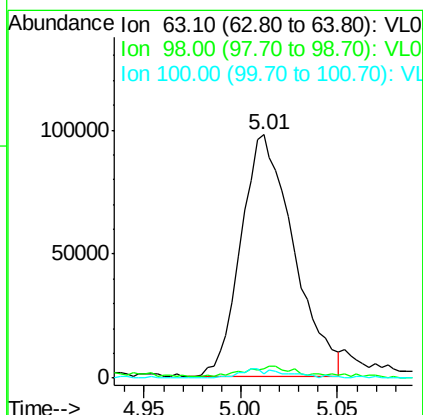
Manual Integrations
 APPROVED

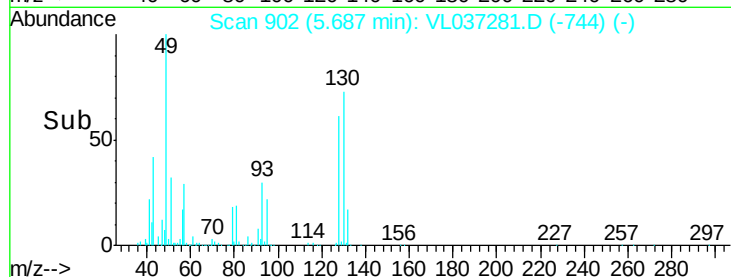
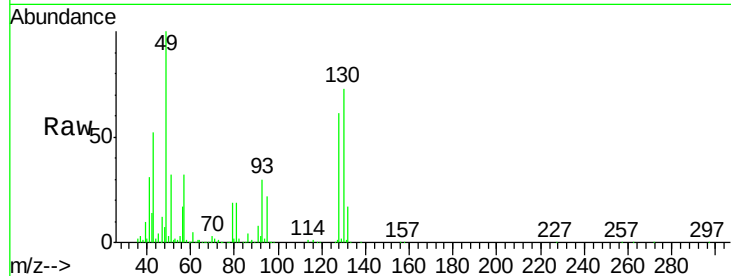
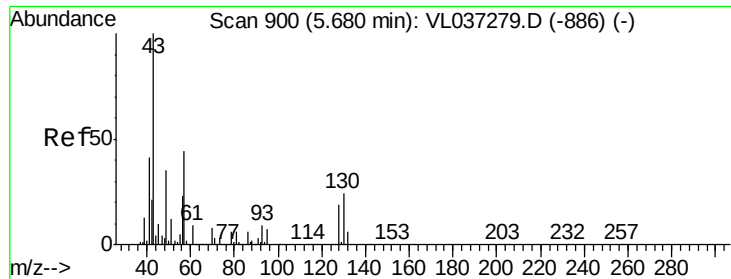
MMDadoda
 8/2/2021 9:03:32 AM



#24
 1,1-Dichloroethane
 Concen: 1.044 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	63	Resp	185145
Ion Ratio	Lower	Upper	
63	100		
98	3.0	2.4	7.1
100	1.8	1.4	4.0





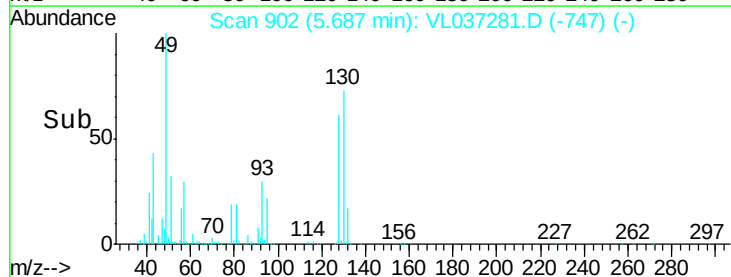
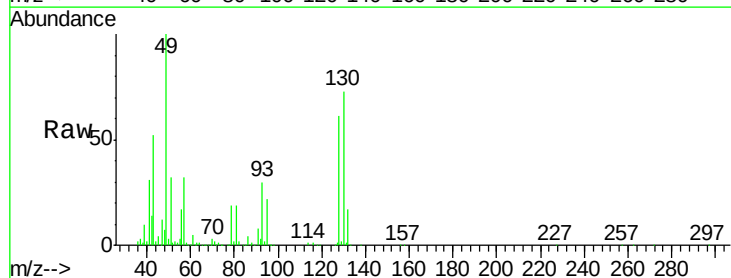
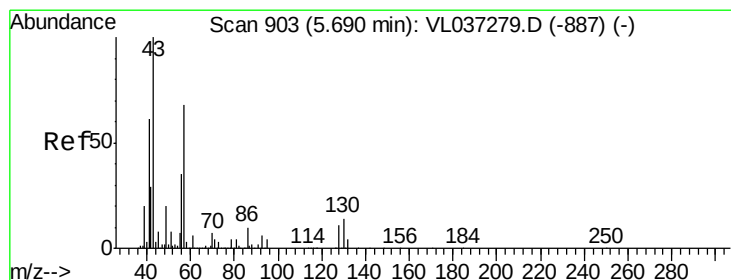
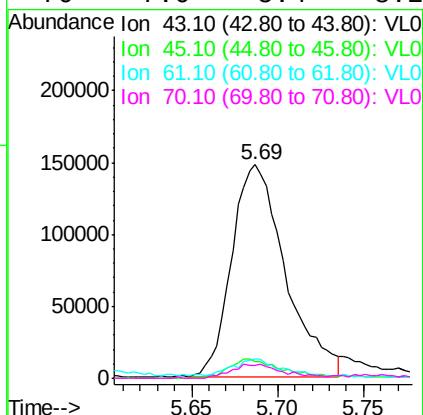
#25
Ethyl Acetate
Concen: 0.964 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tot Ion	43	Resp	319266
Ion Ratio	Lower	Upper	
43	100		
45	8.9	7.8	11.6
61	9.3	8.0	12.0
70	7.0	5.4	8.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

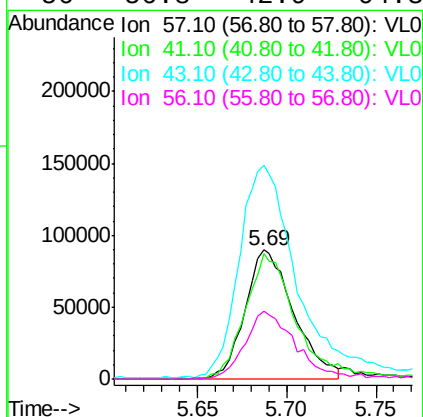
Manual Integrations
APPROVED

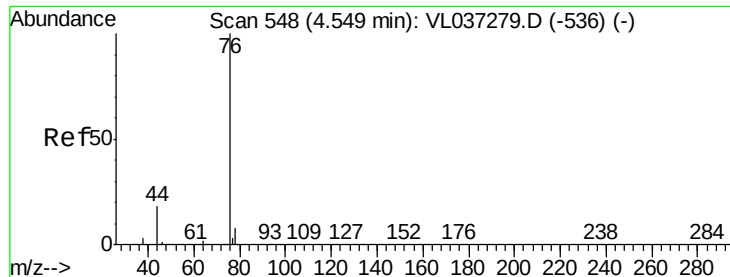
MMDadoda
8/2/2021 9:03:32 AM



#26
Hexane
Concen: 1.026 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	57	Resp	171141
Ion Ratio	Lower	Upper	
57	100		
41	105.9	75.7	113.5
43	209.7	172.2	258.2
56	56.8	42.9	64.3





#27

Carbon Disulfide

Concen: 0.890 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

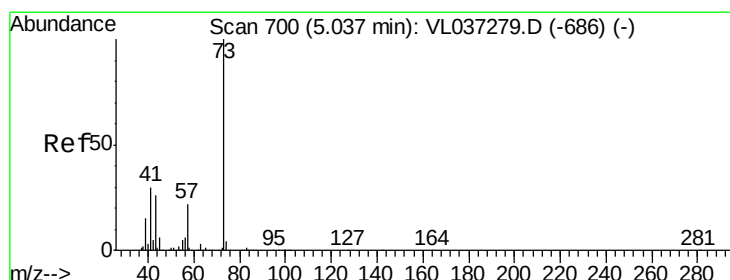
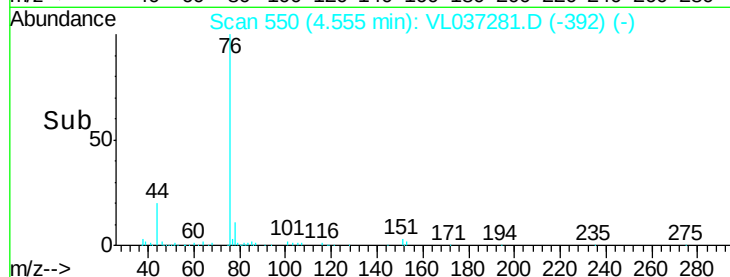
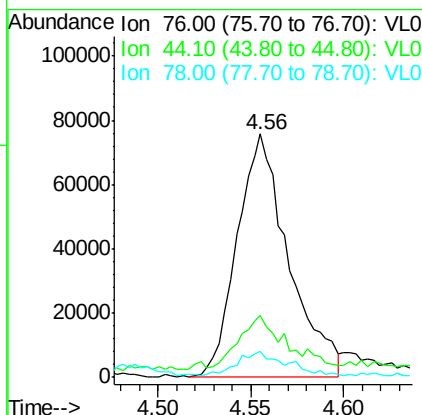
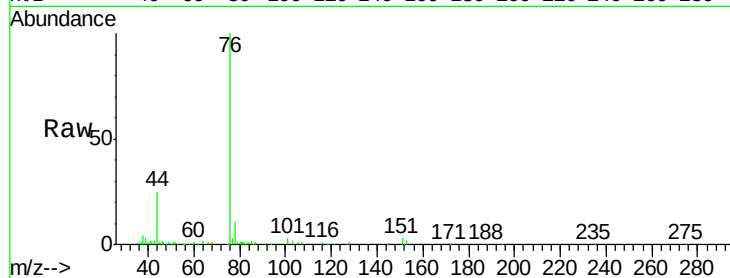
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	146680
Ion Ratio	Lower	Upper	
76	100		
44	22.3	15.8	23.8
78	11.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#28

Methyl tert-Butyl Ether

Concen: 0.984 ppbv

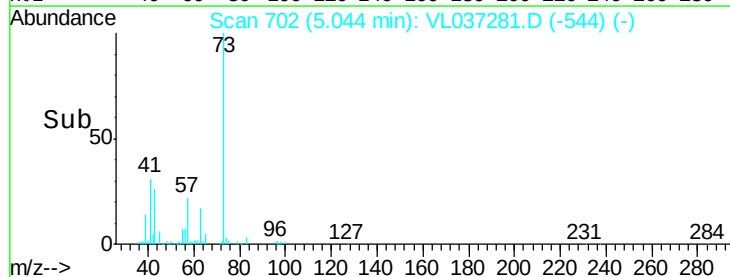
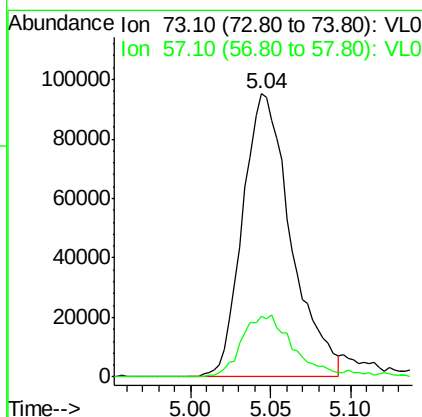
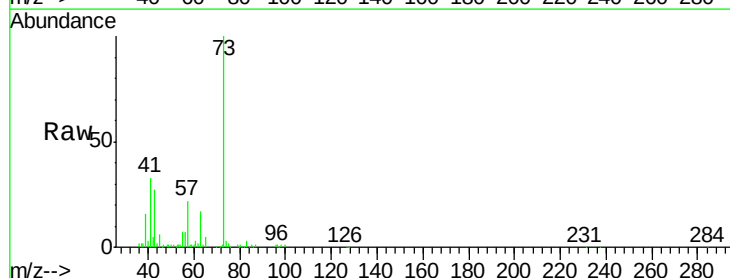
RT: 5.04 min Scan# 702

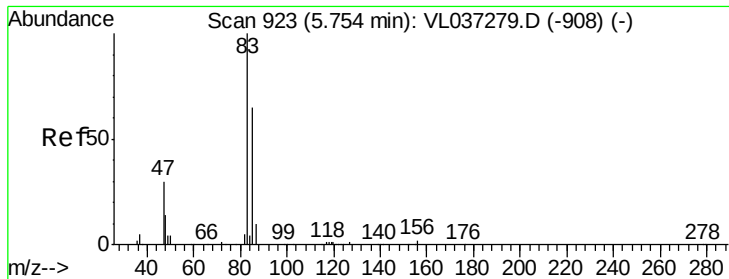
Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion:	73	Resp:	197370
Ion Ratio	Lower	Upper	
73	100		
57	23.6	17.9	26.9





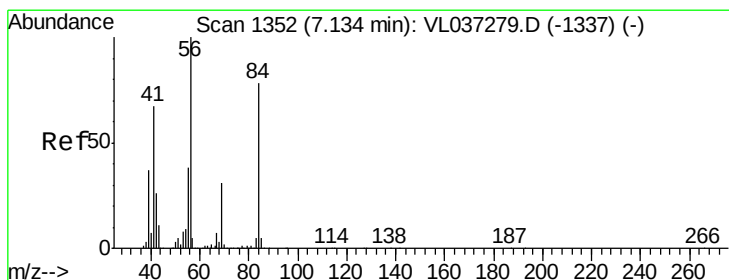
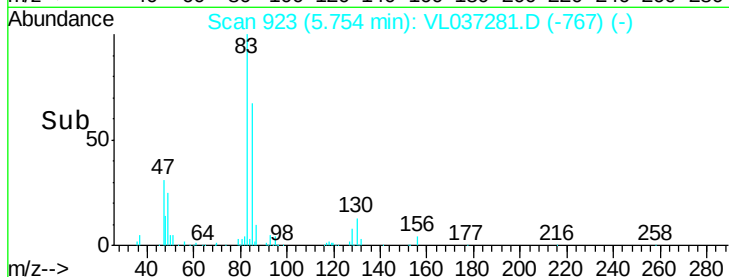
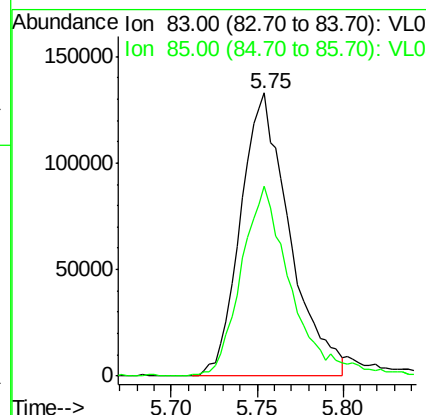
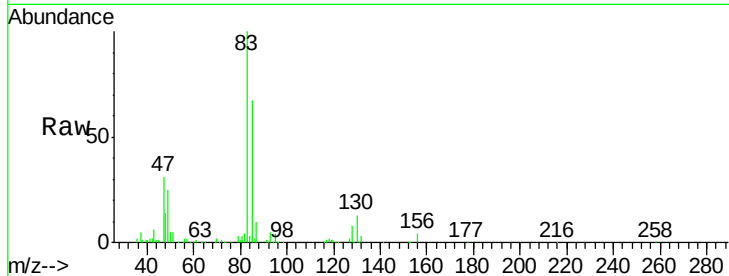
#29
Chloroform
Concen: 1.007 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	261577
Ion Ratio	Lower	Upper	
83	100		
85	66.8	52.2	78.2

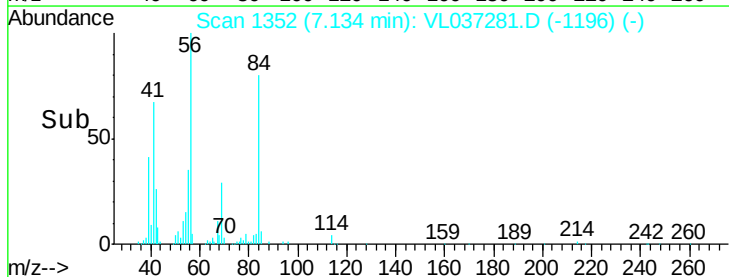
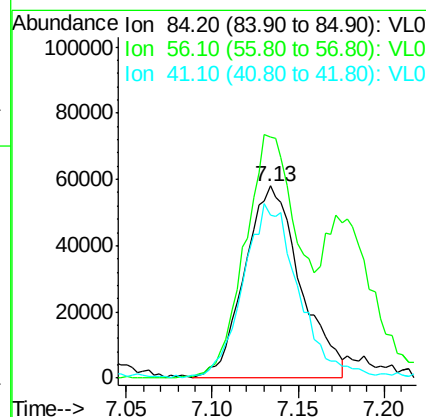
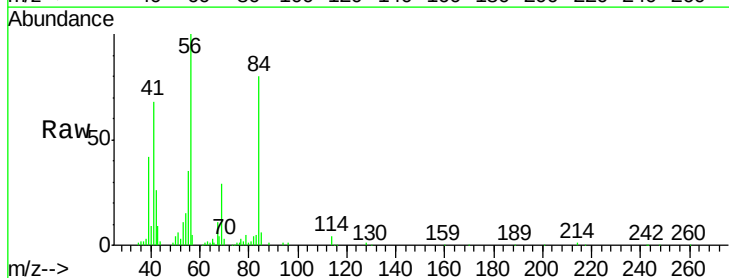
Manual Integrations
APPROVED

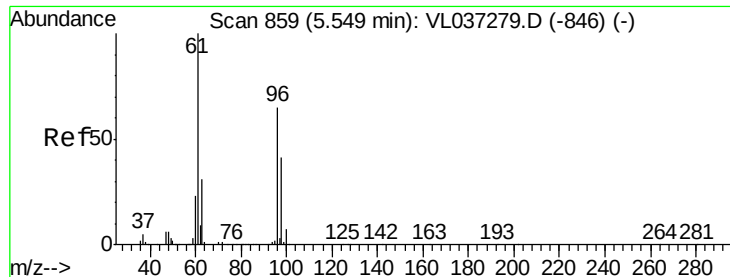
MMDadoda
8/2/2021 9:03:32 AM



#30
Cyclohexane
Concen: 0.942 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	84	Resp	131052
Ion Ratio	Lower	Upper	
84	100		
56	125.1	106.3	159.5
41	89.6	68.6	103.0





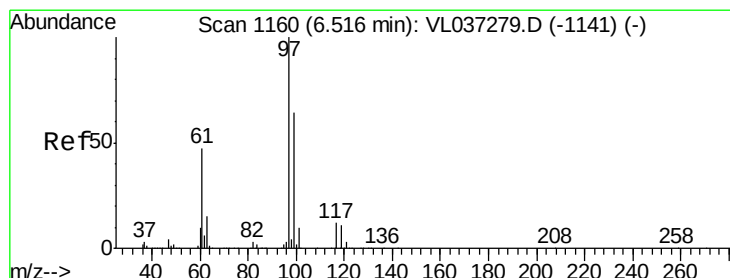
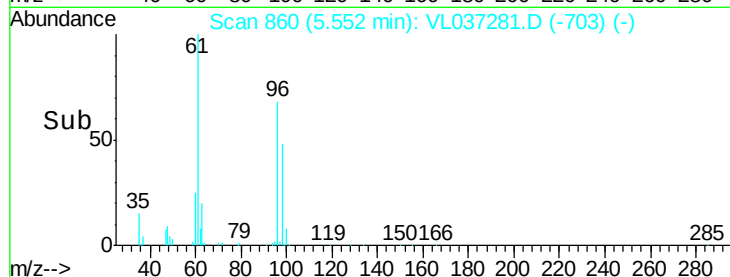
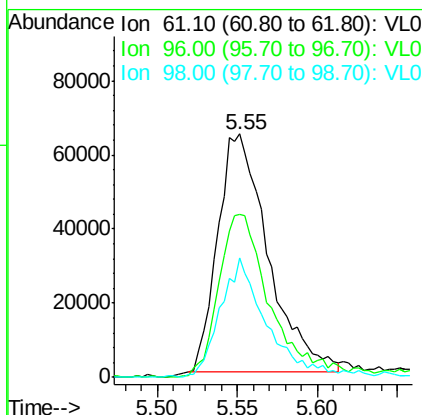
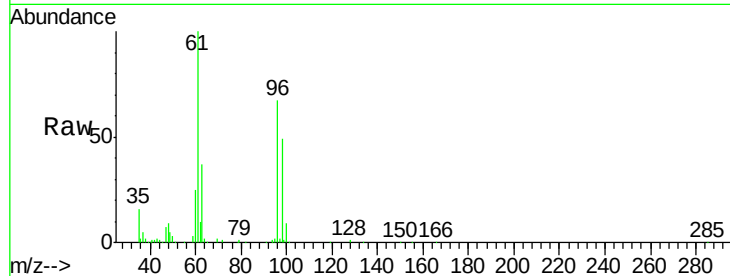
#31
 cis-1,2-Dichloroethene
 Concen: 0.897 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	67.5	52.1	78.1	
98	49.1	32.6	49.0	

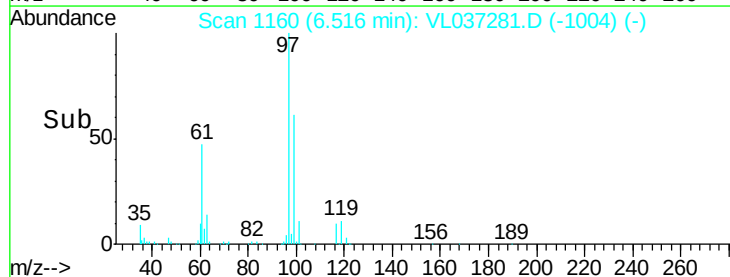
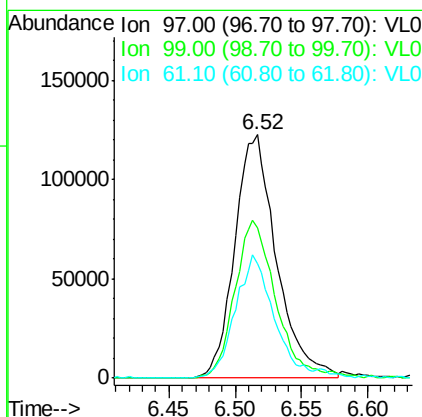
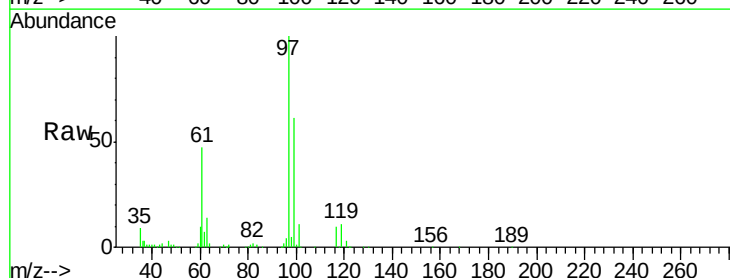
Manual Integrations
 APPROVED

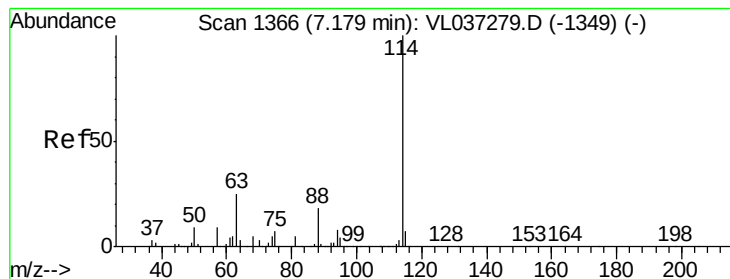
MMDadoda
 8/2/2021 9:03:32 AM



#32
 1,1,1-Trichloroethane
 Concen: 0.969 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.2	52.2	78.2	
61	48.9	39.1	58.7	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 3891898

Ion Ratio Lower Upper

114 100

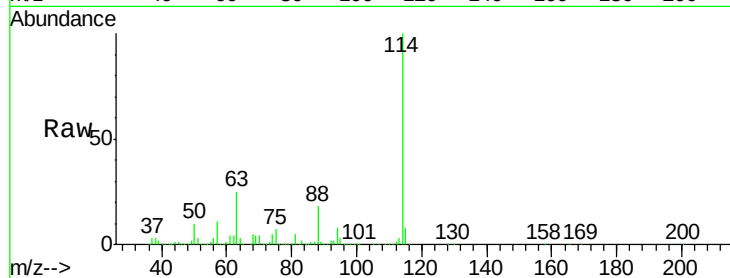
63 25.5 20.2 30.2

88 17.9 14.2 21.4

Manual Integrations
APPROVED

MMDadoda

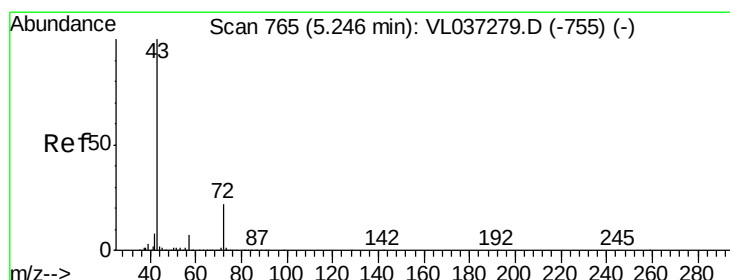
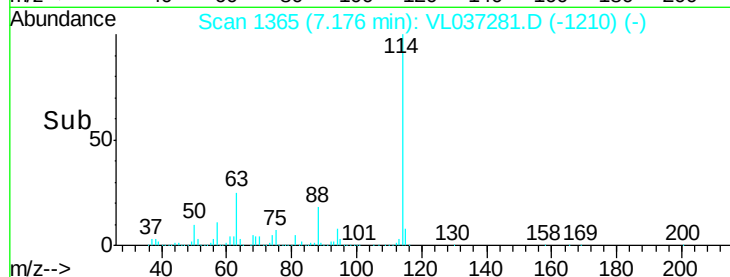
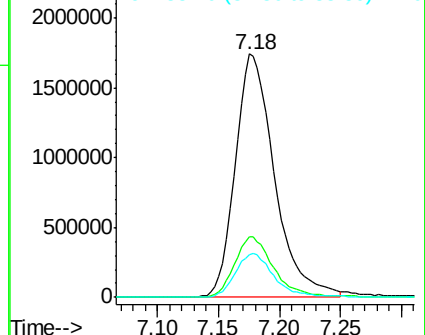
8/2/2021 9:03:32 AM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.089 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL037281.D

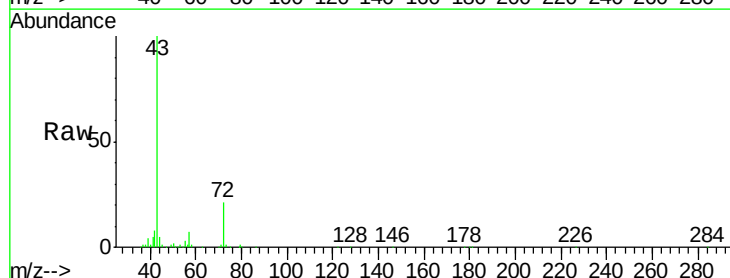
Acq: 27 Jul 2021 3:53

Tgt Ion: 43 Resp: 168171

Ion Ratio Lower Upper

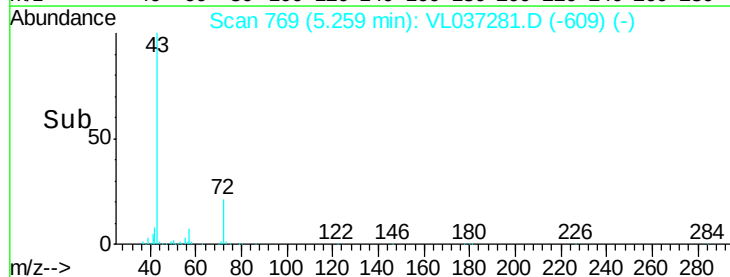
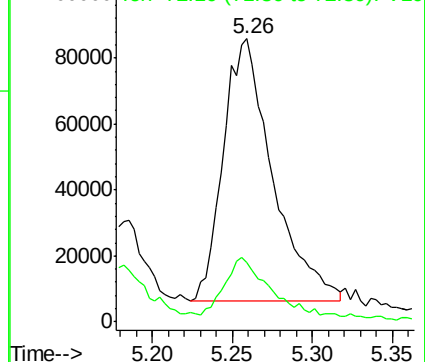
43 100

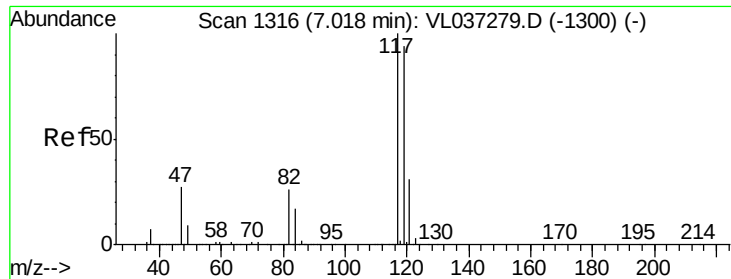
72 27.5 17.9 26.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





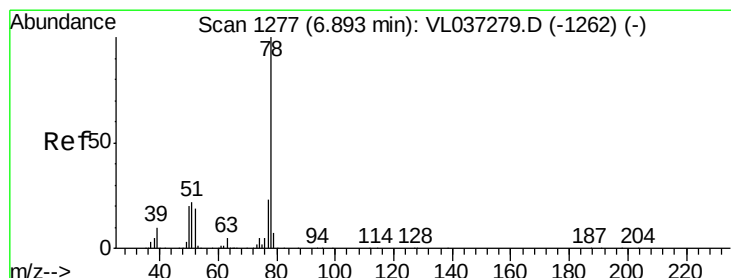
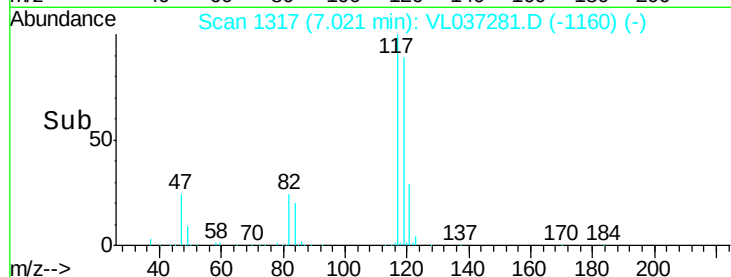
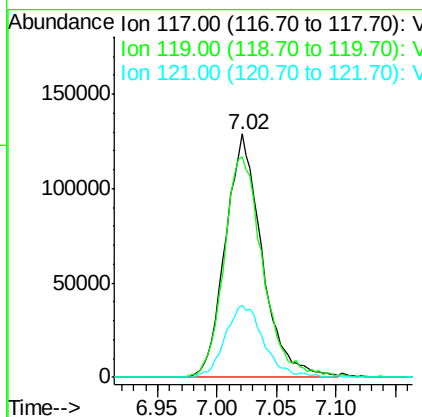
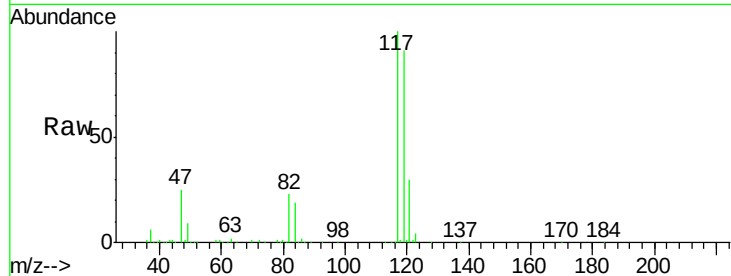
#35
Carbon Tetrachloride
Concen: 1.038 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.4	75.4	113.0
121	29.5	24.8	37.2

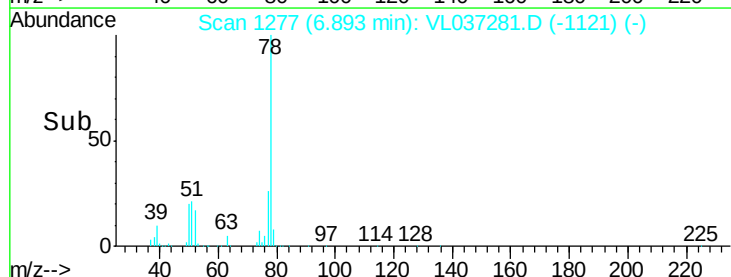
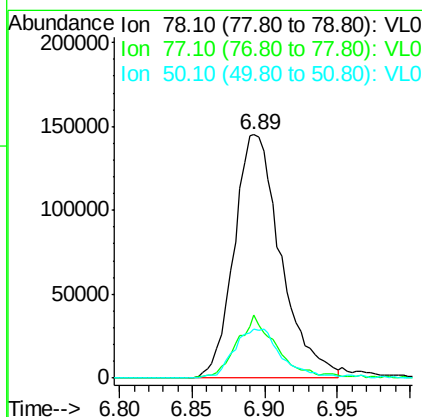
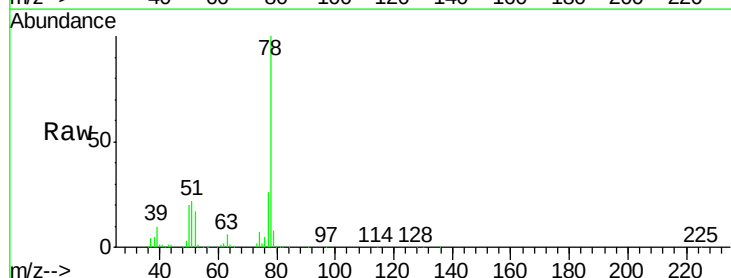
Manual Integrations
APPROVED

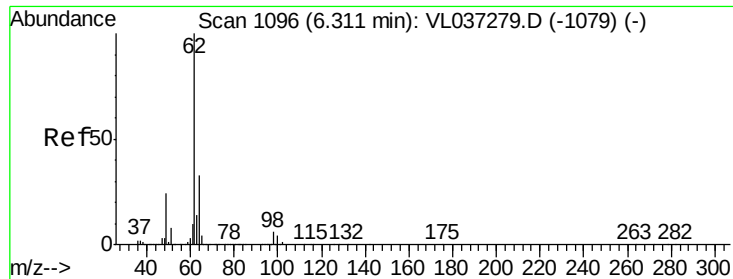
MMDadoda
8/2/2021 9:03:32 AM



#36
Benzene
Concen: 1.026 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.5	27.7
50	20.2	16.2	24.4





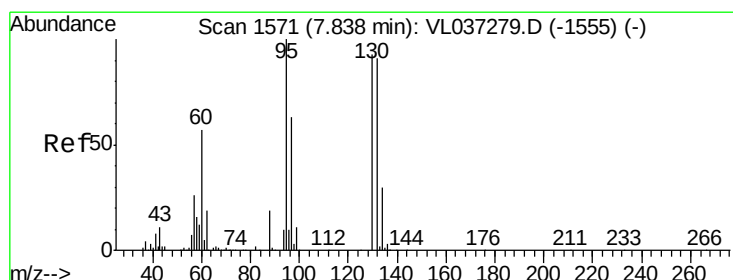
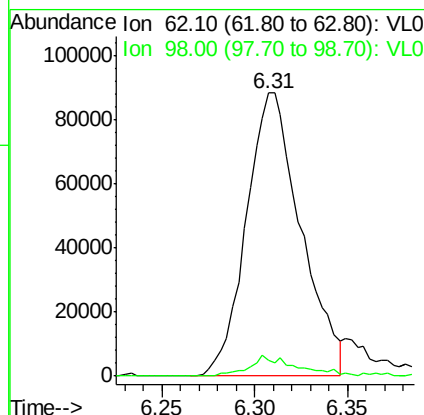
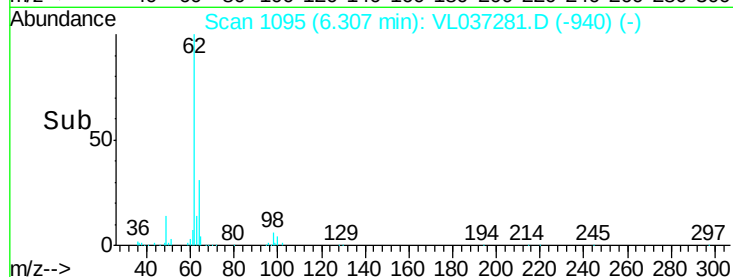
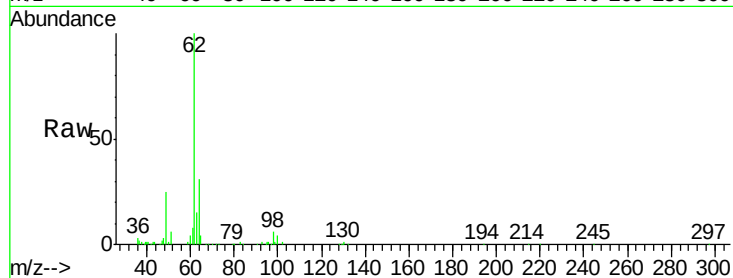
#37
 1,2-Dichloroethane
 Concen: 0.968 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	180462		
98	6.8	4.9	7.3	

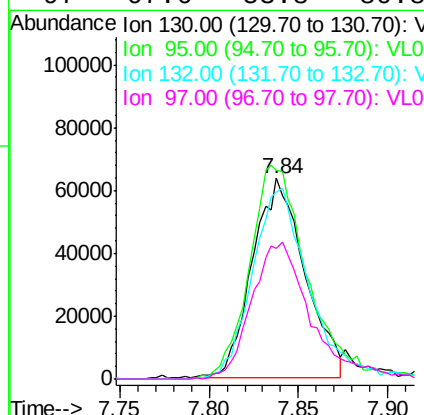
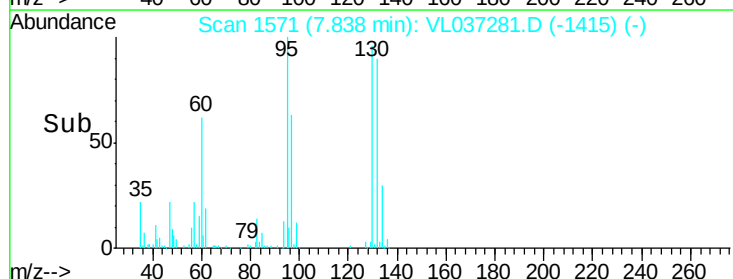
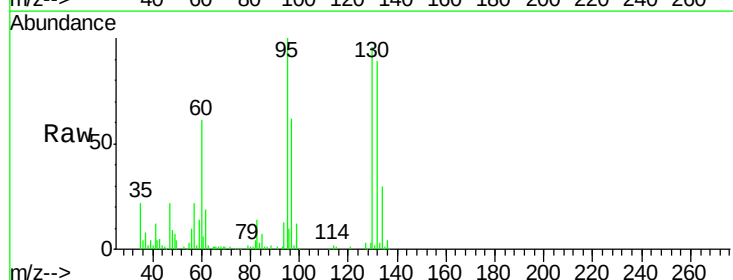
Manual Integrations
 APPROVED

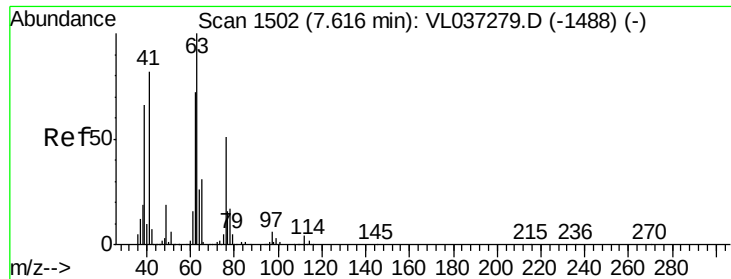
MMDadoda
 8/2/2021 9:03:32 AM



#38
 Trichloroethene
 Concen: 0.864 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	130156		
95	108.4	86.2	129.2	
132	96.6	78.0	117.0	
97	67.6	53.8	80.8	





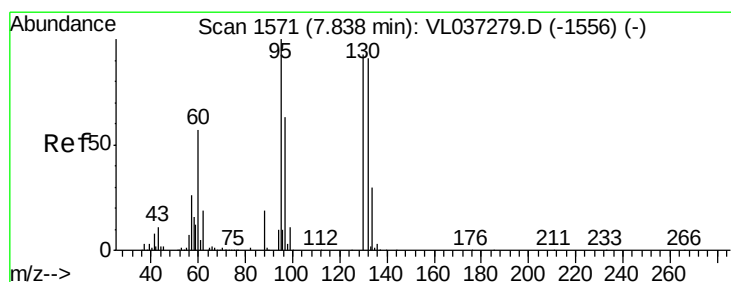
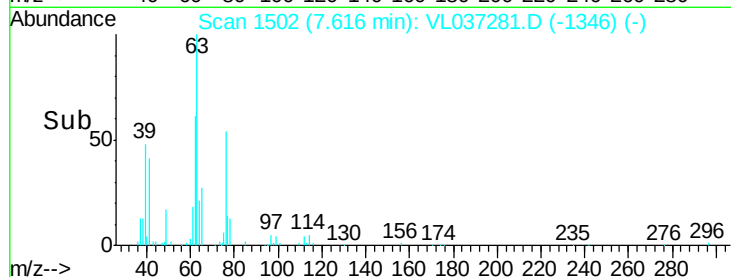
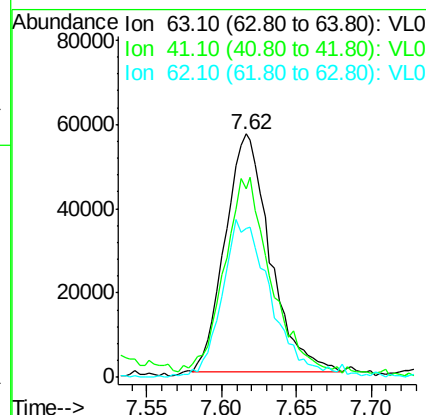
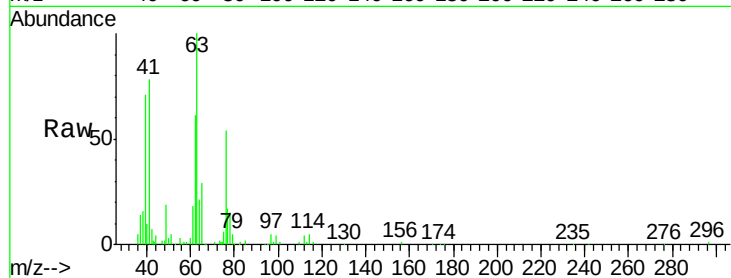
#39
 1,2-Dichloropropane
 Concen: 1.001 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.7	65.6	98.4
62	59.6	57.9	86.9

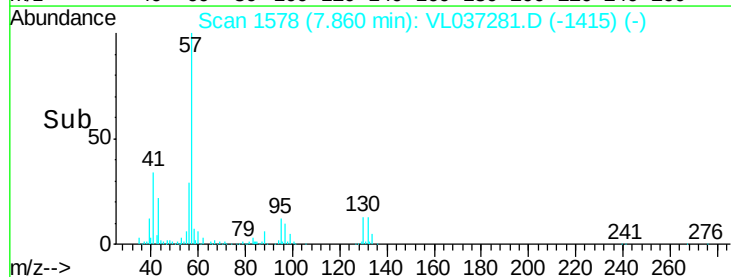
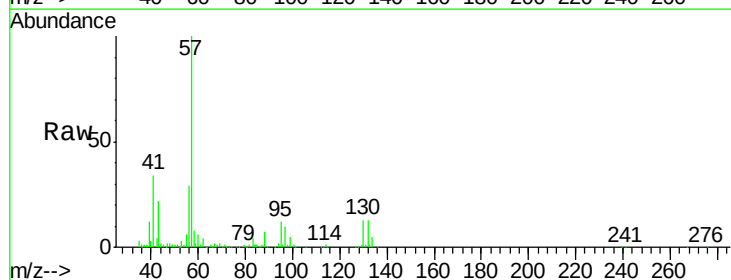
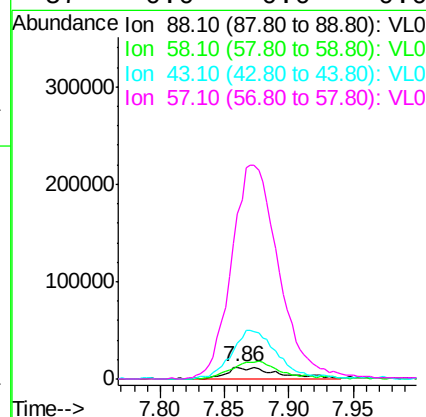
Manual Integrations
 APPROVED

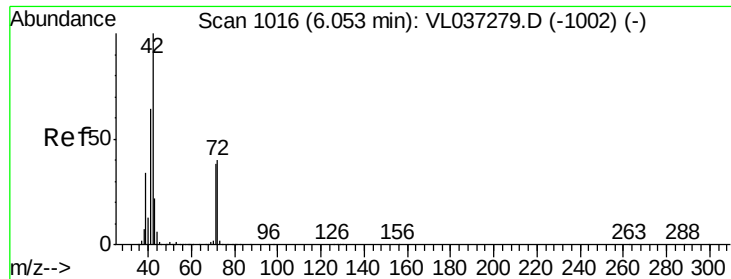
MMDadoda
 8/2/2021 9:03:32 AM



#40
 1,4-Dioxane
 Concen: 1.108 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





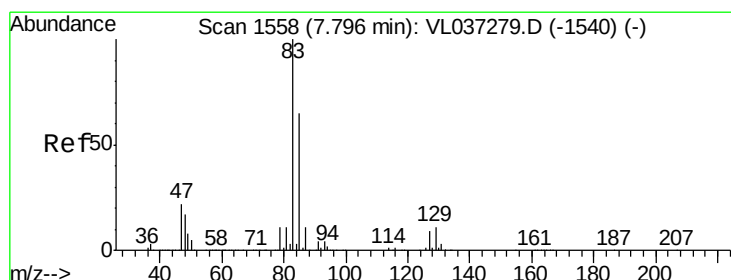
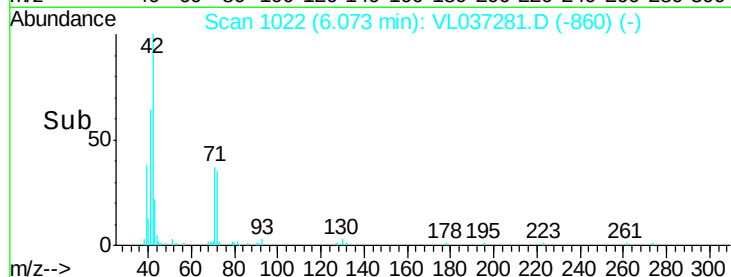
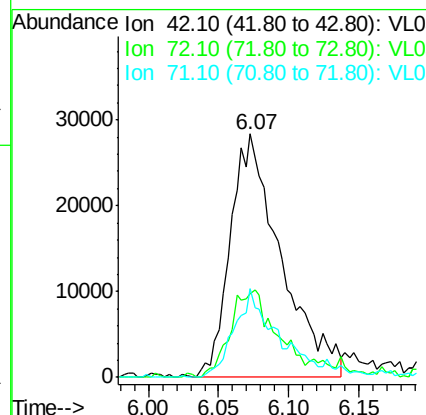
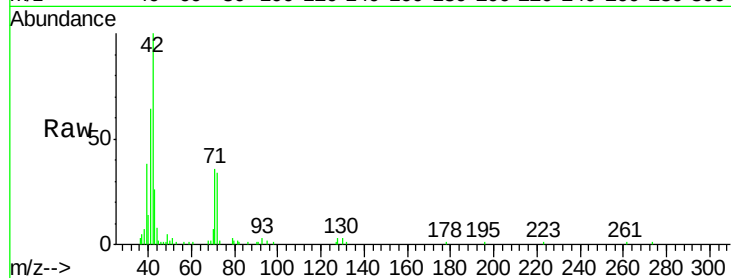
#41
Tetrahydrofuran
Concen: 1.005 ppbv m
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	31.0	46.6#

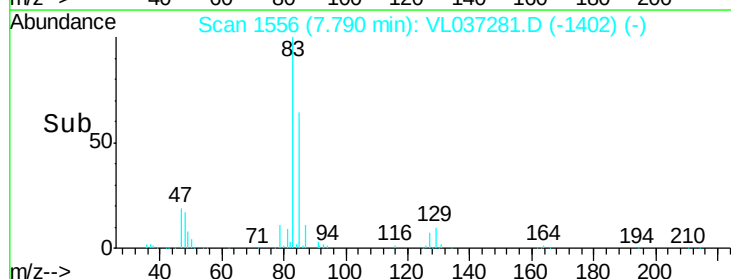
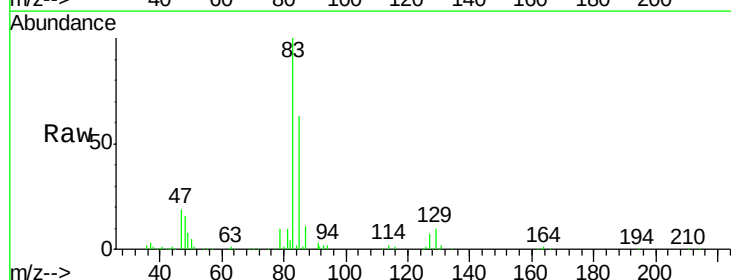
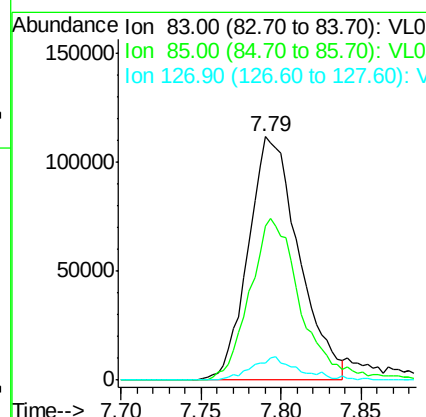
Manual Integrations
APPROVED

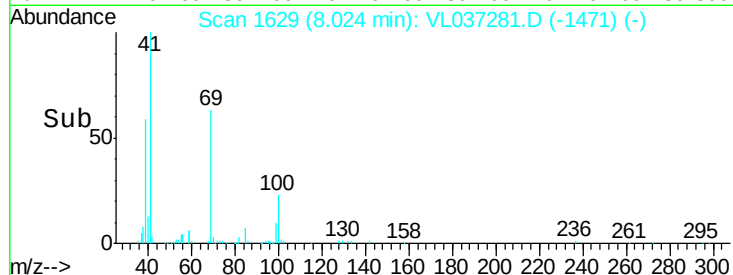
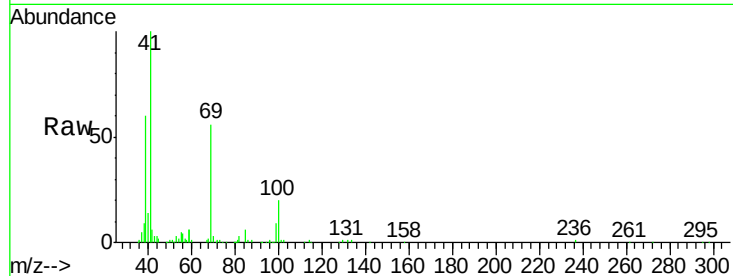
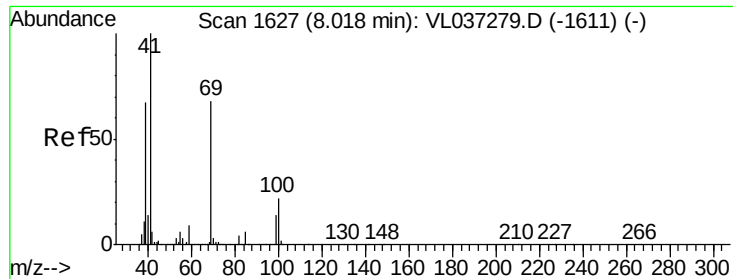
MMDadoda
8/2/2021 9:03:32 AM



#42
Bromodichloromethane
Concen: 0.951 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.7	77.5
127	7.1	7.4	11.0#





#43

Methyl Methacrylate

Concen: 0.894 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VL037281.D

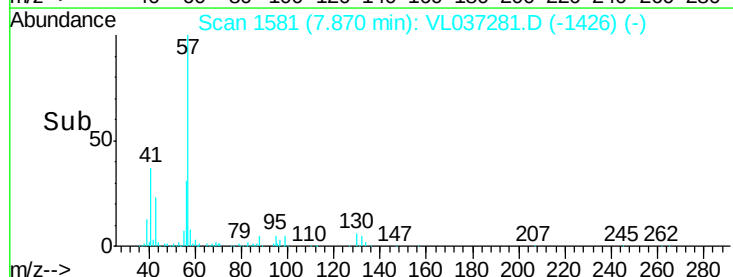
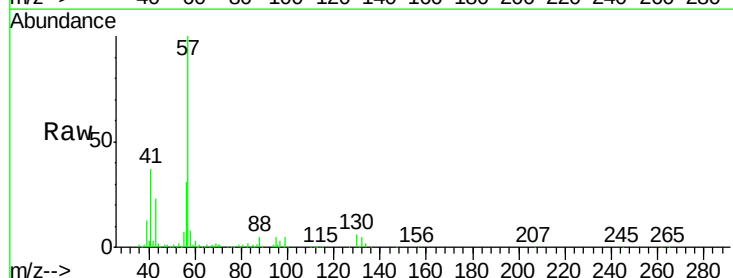
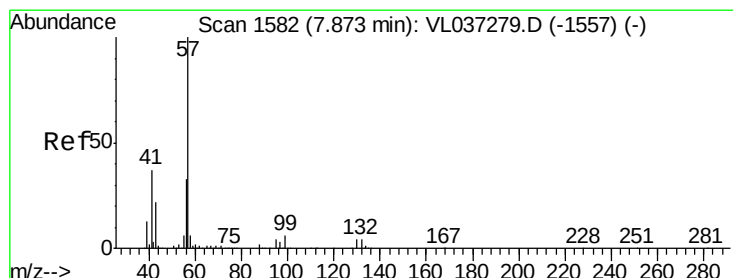
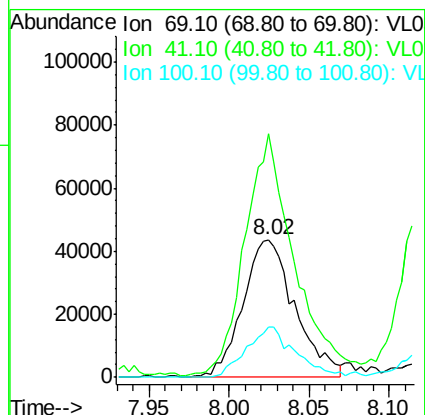
Acq: 27 Jul 2021 3:53

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	166.0	121.5	182.3	
100	34.6	27.4	41.2	

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#44

2,2,4-Trimethylpentane

Concen: 1.042 ppbv

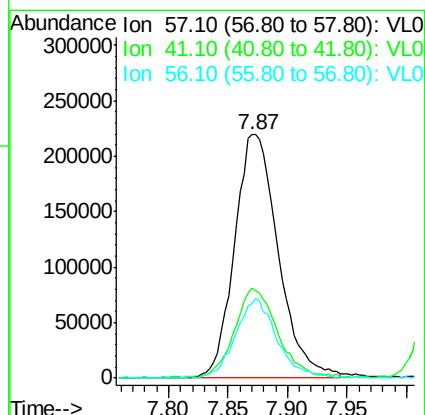
RT: 7.87 min Scan# 1581

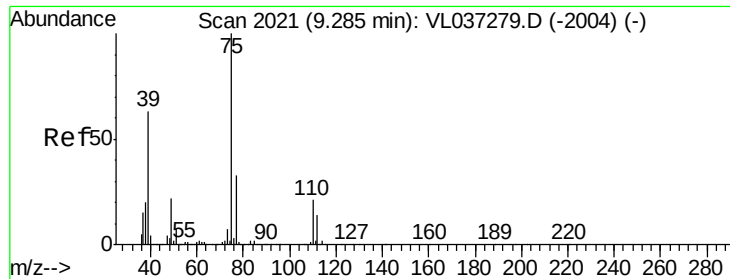
Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.4	28.9	43.3	
56	31.4	25.1	37.7	





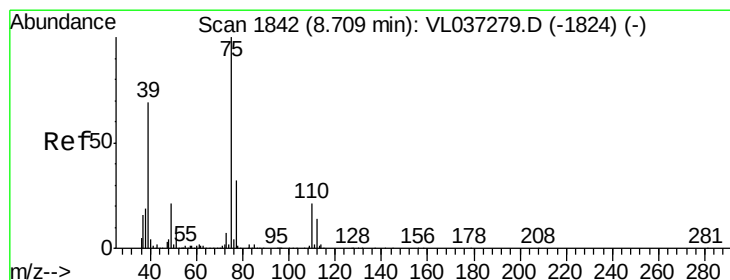
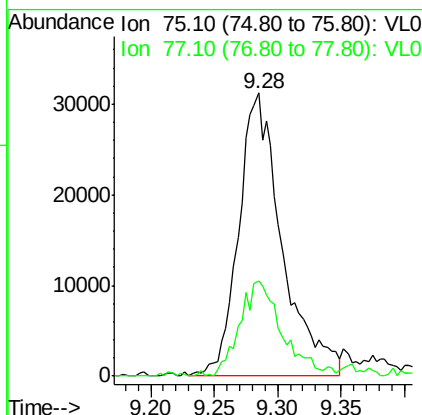
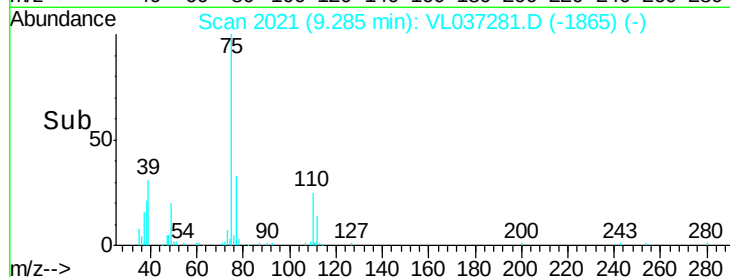
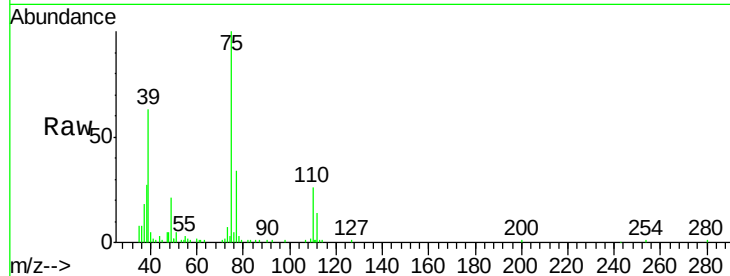
#45
t-1,3-Dichloropropene
Concen: 0.790 ppbv m
RT: 9.28 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 74615
Ion Ratio Lower Upper
75 100
77 33.8 26.2 39.4

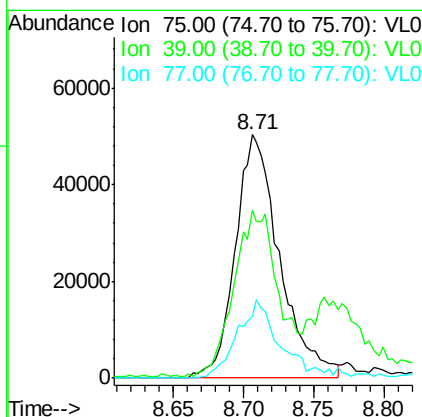
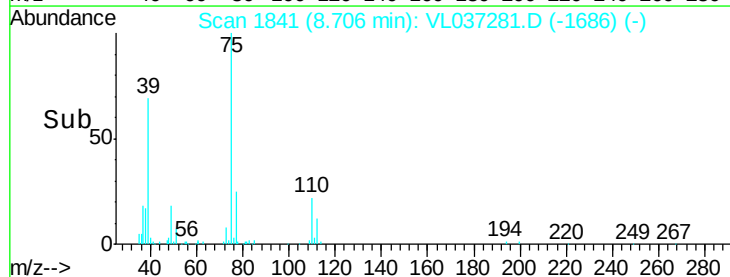
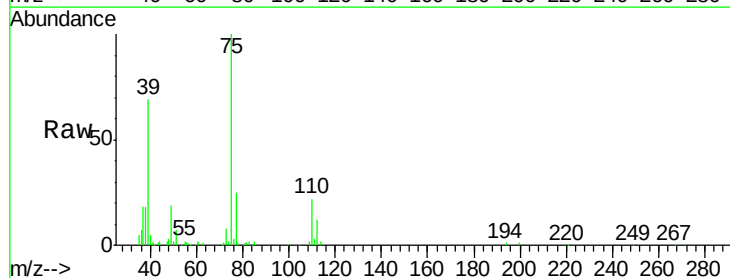
Manual Integrations
APPROVED

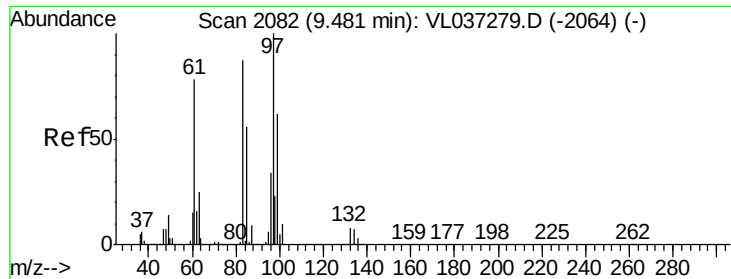
MMDadoda
8/2/2021 9:03:32 AM



#46
cis-1,3-Dichloropropene
Concen: 0.853 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 75 Resp: 110574
Ion Ratio Lower Upper
75 100
39 67.3 55.3 82.9
77 25.3 25.7 38.5#





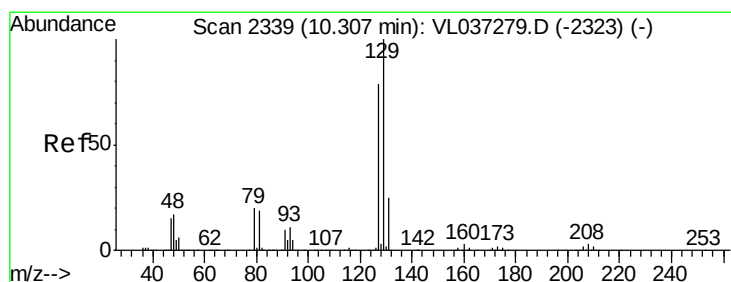
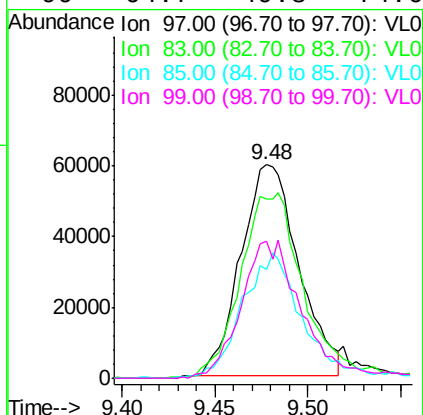
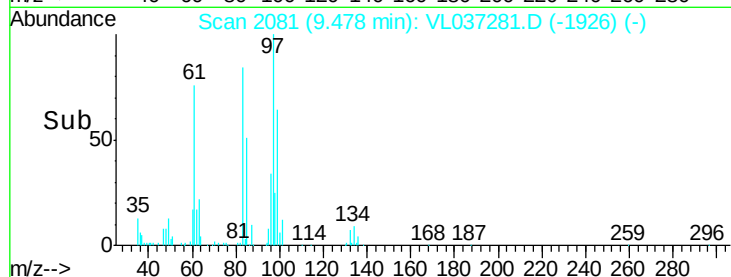
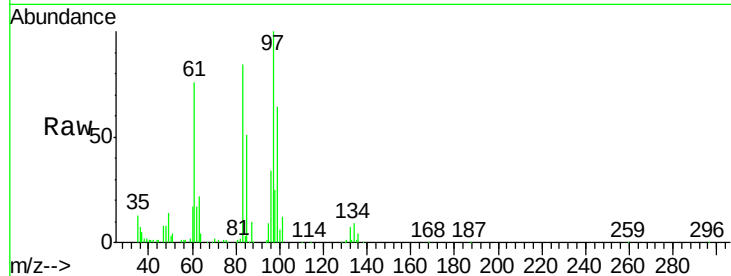
#47
 1,1,2-Trichloroethane
 Concen: 0.962 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.8	104.8
85	50.5	44.9	67.3
99	64.7	49.8	74.6

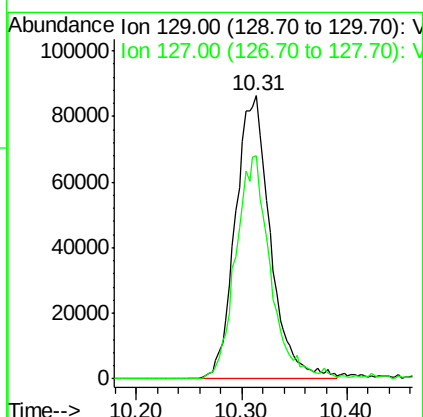
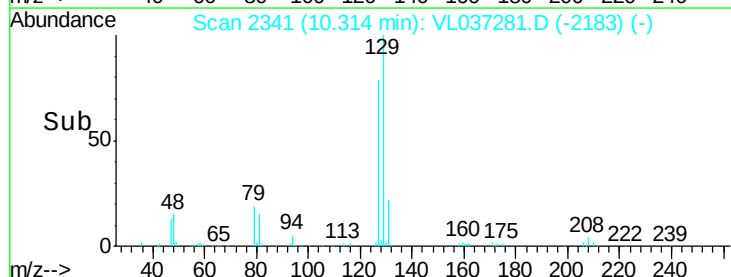
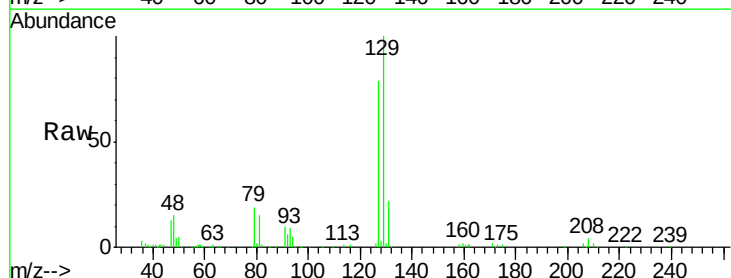
Manual Integrations
 APPROVED

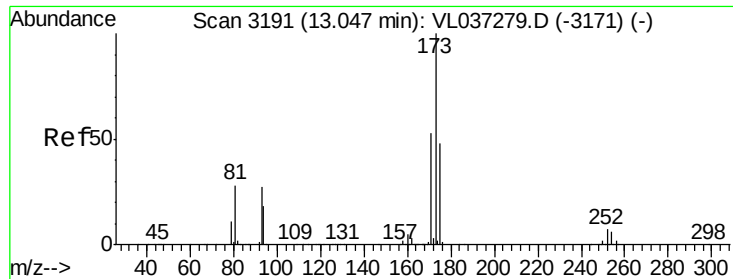
MMDadoda
 8/2/2021 9:03:32 AM



#48
 Dibromochloromethane
 Concen: 0.928 ppbv m
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.01 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.8#





#49

Bromoform

Concen: 0.861 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

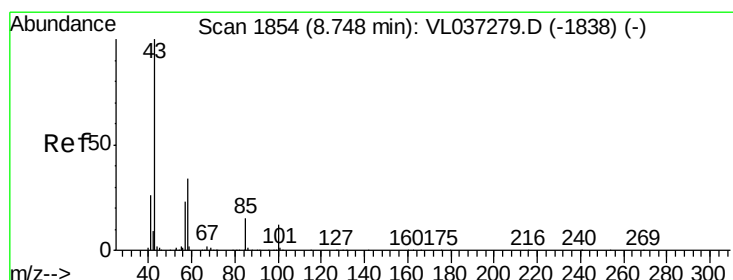
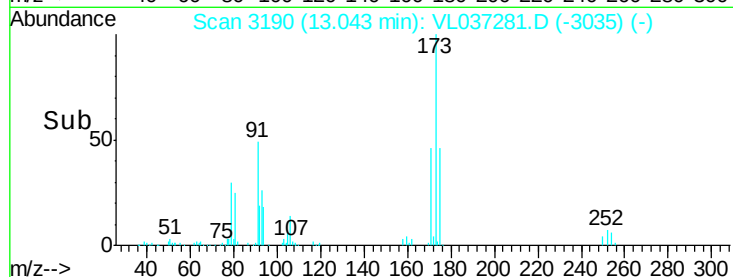
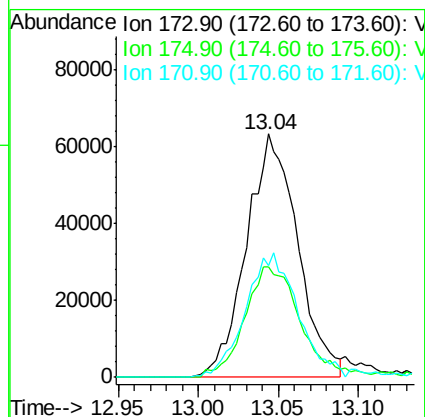
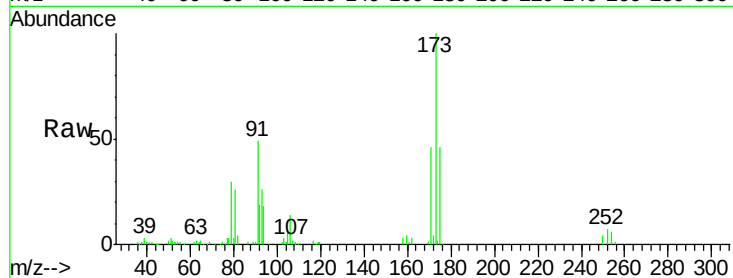
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	139157
Ion Ratio	Lower	Upper	
173	100		
175	50.8	39.7	59.5
171	52.9	41.9	62.9

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#50

4-Methyl-2-Pentanone

Concen: 1.055 ppbv m

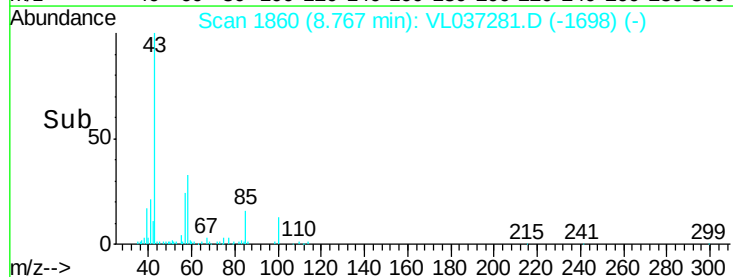
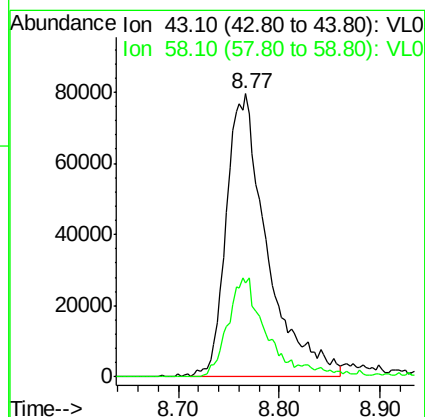
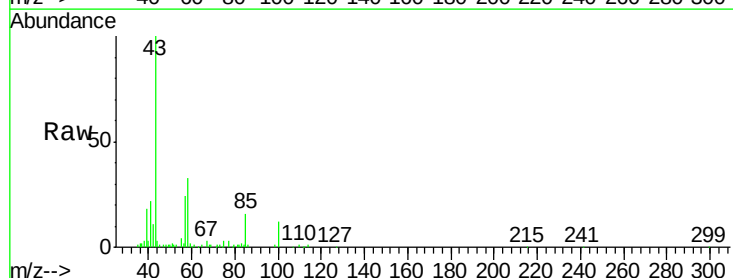
RT: 8.77 min Scan# 1860

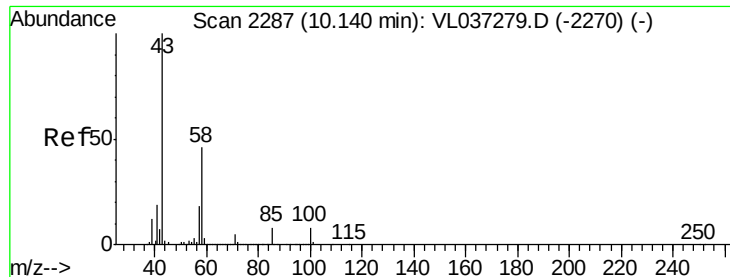
Delta R.T. 0.02 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion:	43	Resp:	223996
Ion Ratio	Lower	Upper	
43	100		
58	0.0	28.1	42.1#





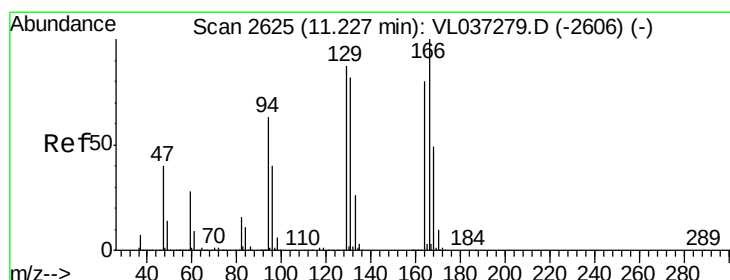
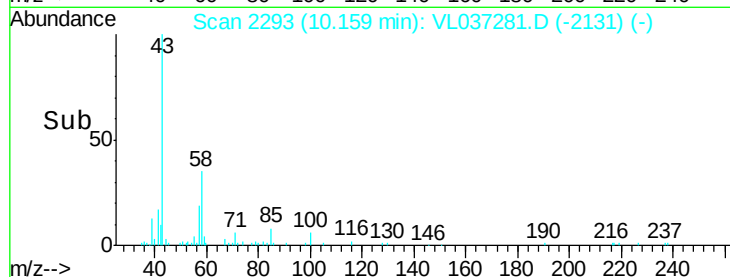
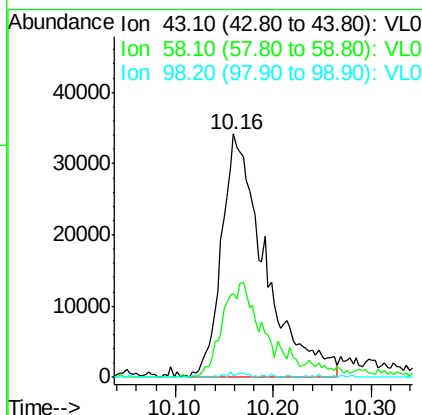
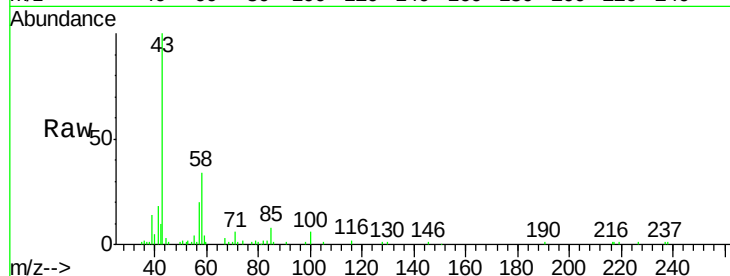
#51
2-Hexanone
Concen: 1.014 ppbv m
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	37.1	55.7
98	0.9	0.4	0.6

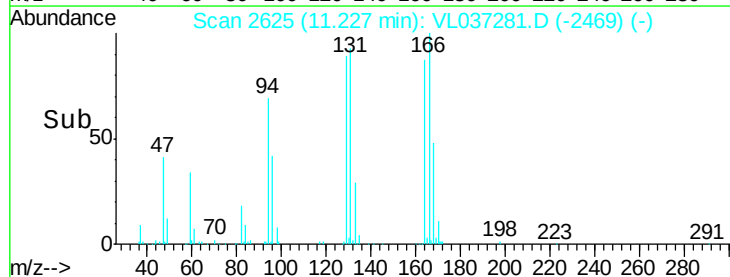
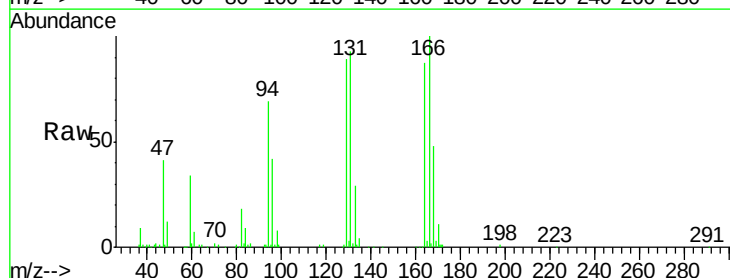
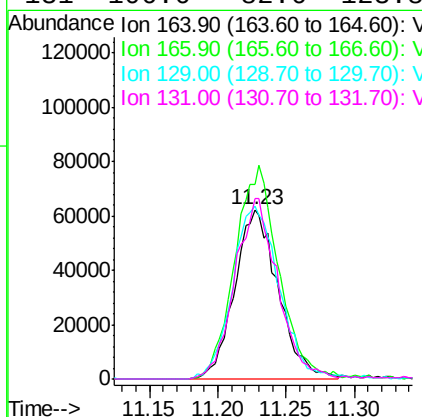
Manual Integrations
APPROVED

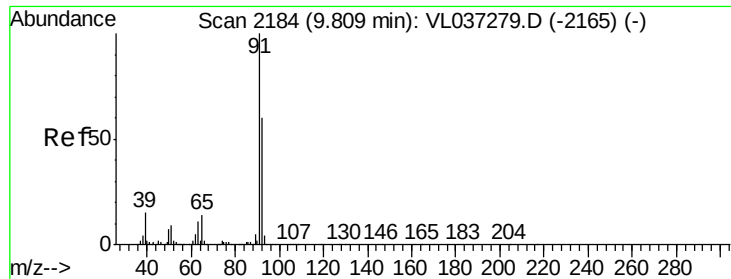
MMDadoda
8/2/2021 9:03:32 AM



#52
Tetrachloroethene
Concen: 0.941 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.5	100.6	151.0
129	102.1	87.8	131.6
131	106.6	82.6	123.8





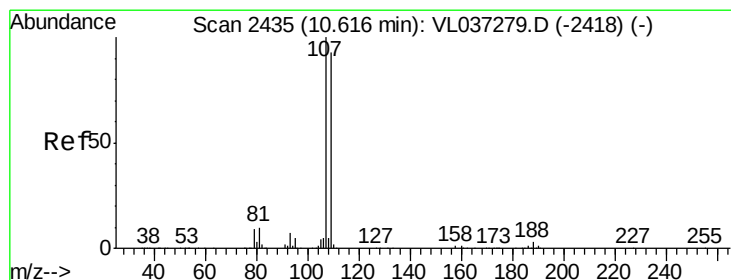
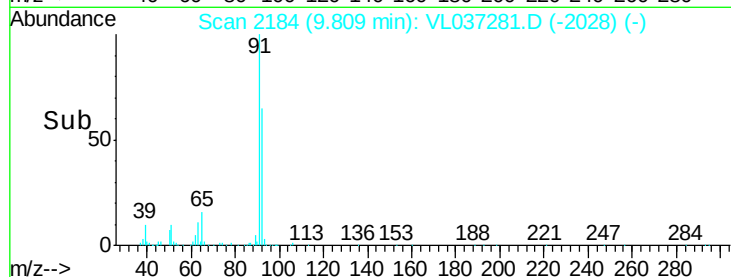
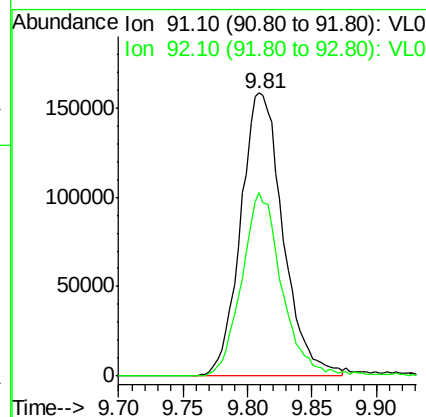
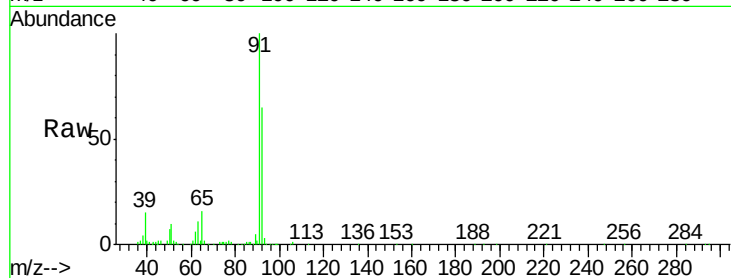
#53
Toluene
Concen: 0.953 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.0	48.1	72.1

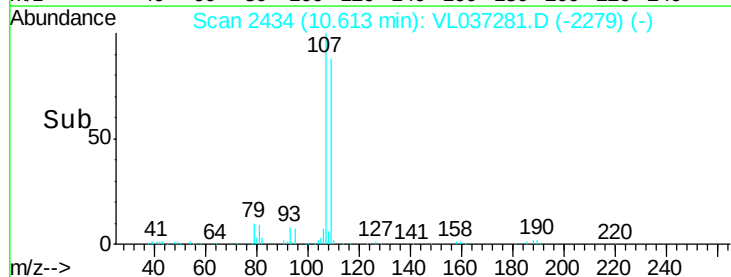
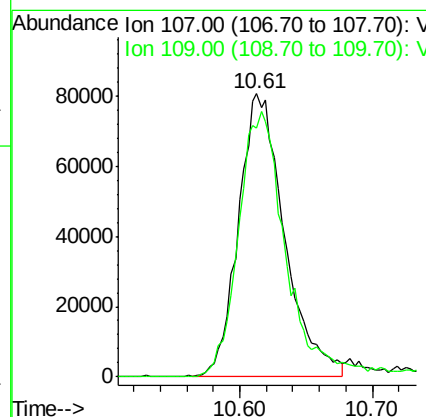
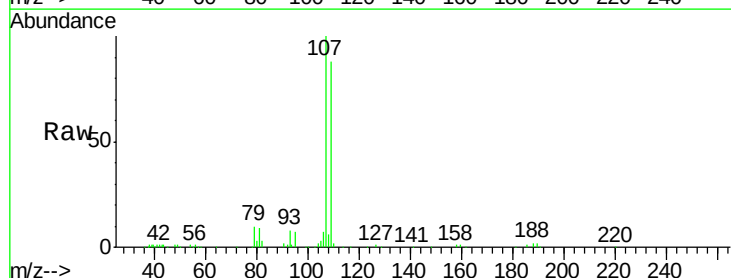
Manual Integrations
APPROVED

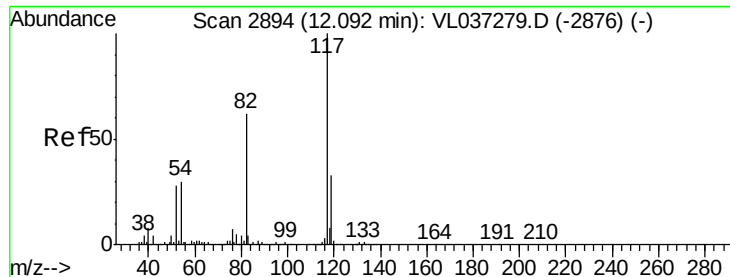
MMDadoda
8/2/2021 9:03:32 AM



#54
1,2-Dibromoethane
Concen: 1.006 ppbv
RT: 10.61 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
107	100		
109	87.6	74.2	111.4





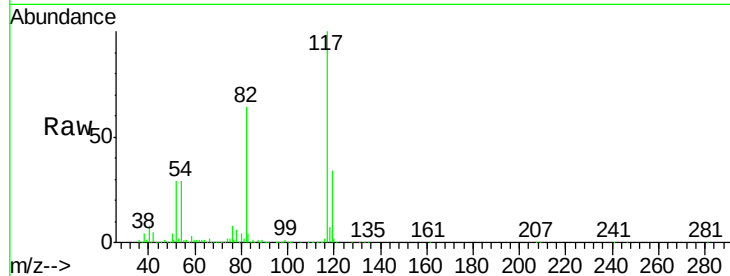
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

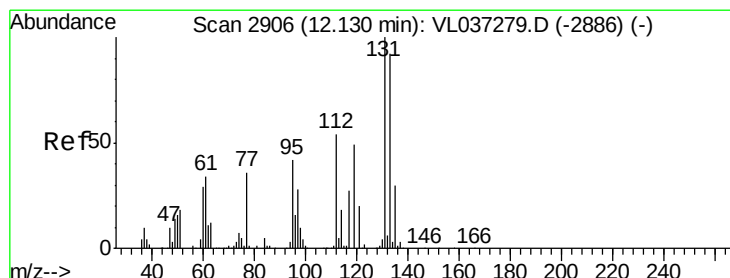
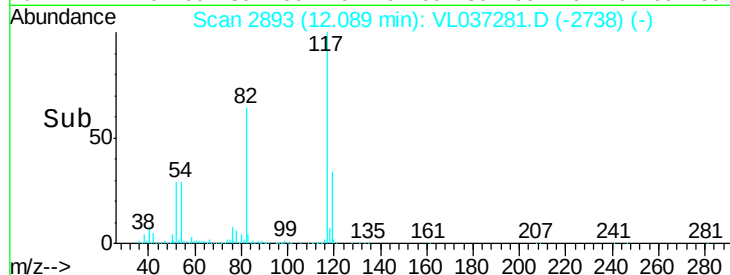
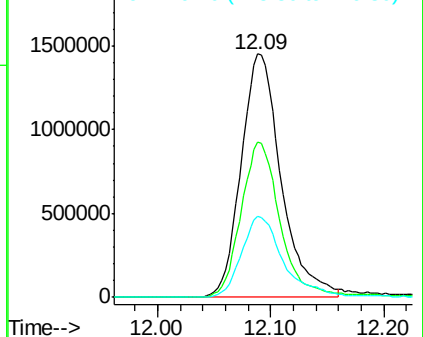
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.5	52.3	78.5
119	35.8	26.5	39.7

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM

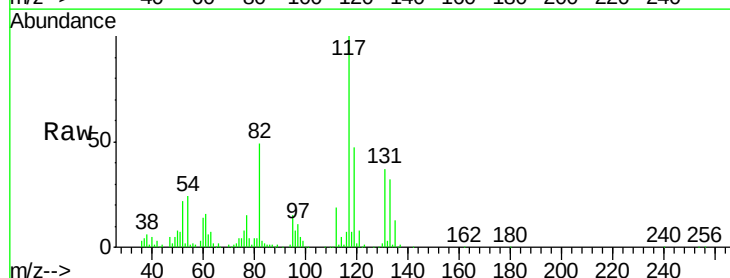


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

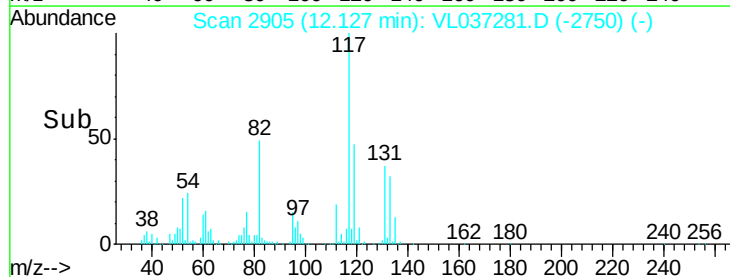
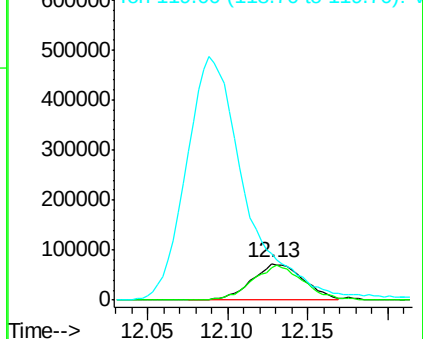


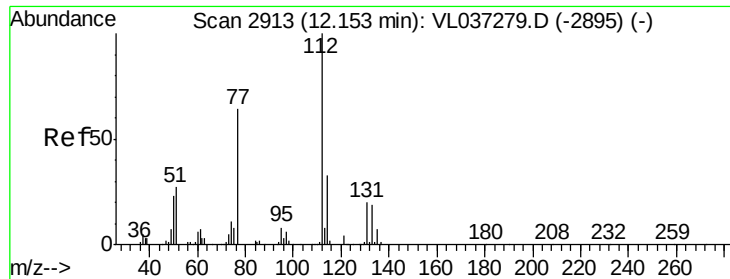
#56
1,1,1,2-Tetrachloroethane
Concen: 1.020 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.4	114.6
119	795.6	106.1	159.1#



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





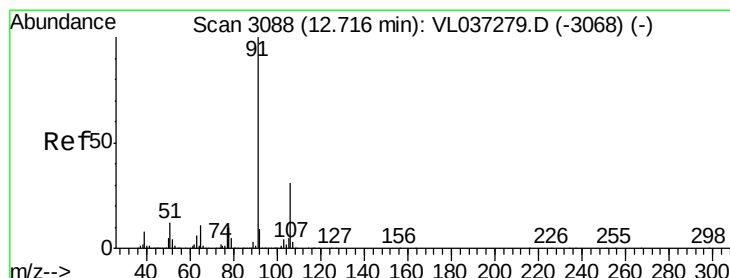
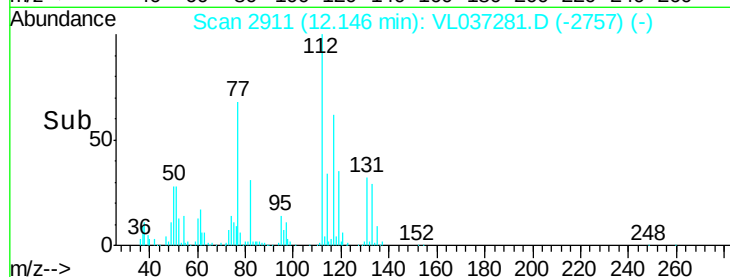
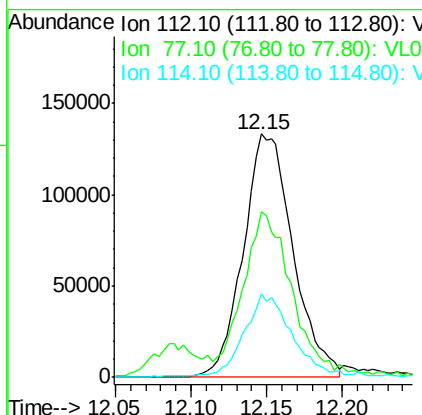
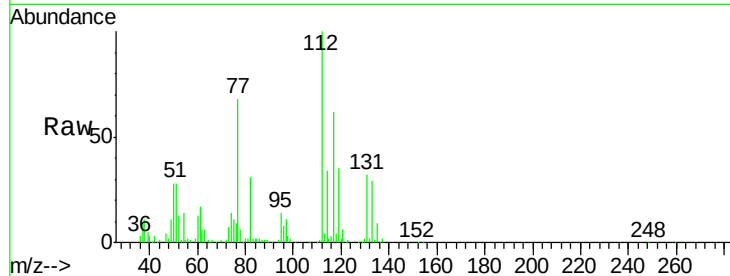
#57
Chlorobenzene
Concen: 1.042 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.2	51.7	77.5
114	34.2	29.3	35.9

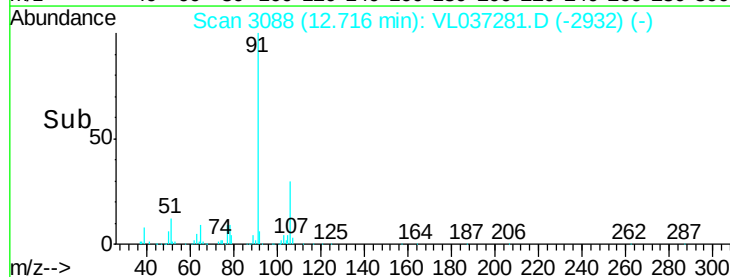
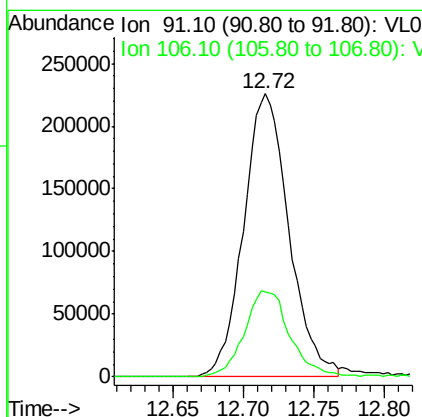
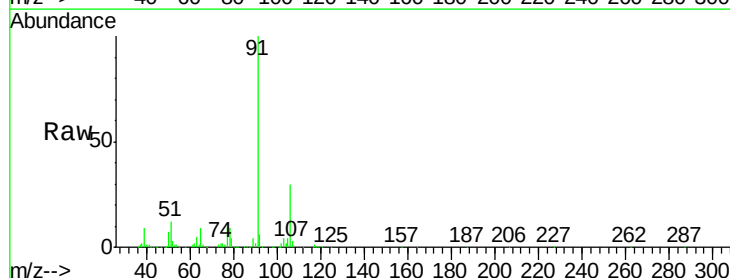
Manual Integrations
APPROVED

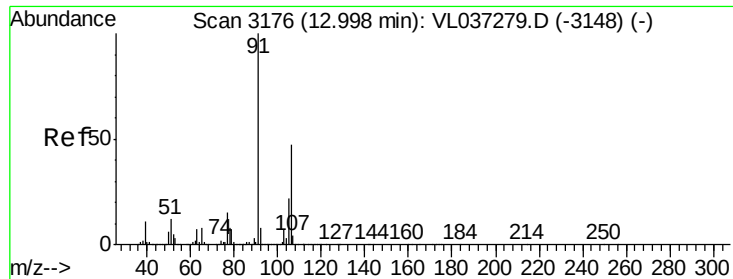
MMDadoda
8/2/2021 9:03:32 AM



#58
Ethyl Benzene
Concen: 1.024 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7





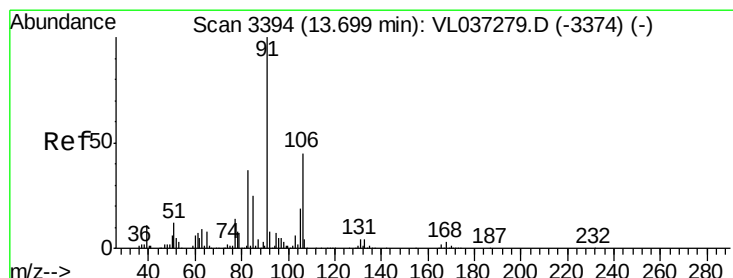
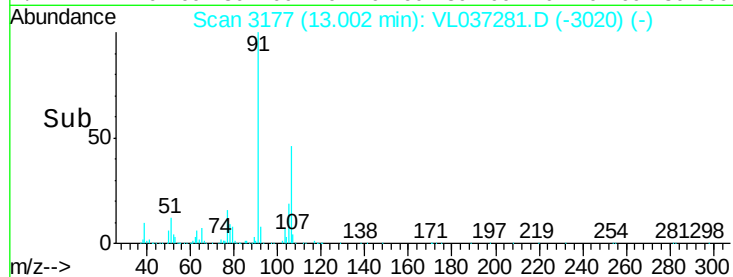
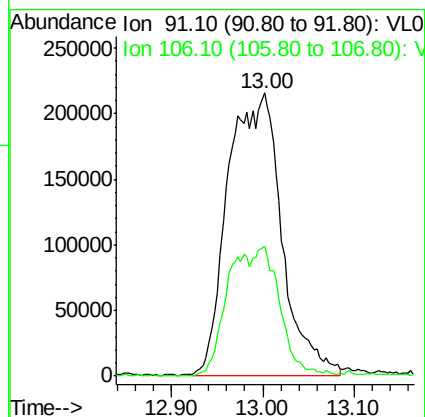
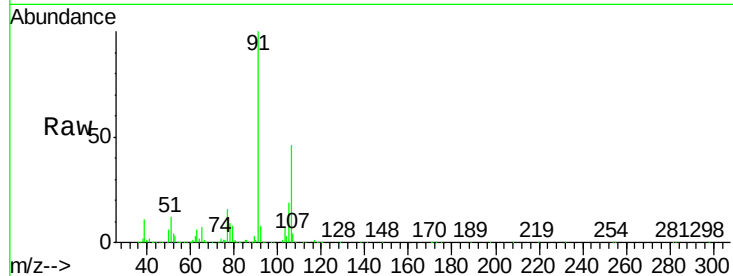
#59
m/p-Xylene
Concen: 2.103 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 887875
Ion Ratio Lower Upper
91 100
106 0.0 36.2 54.2#

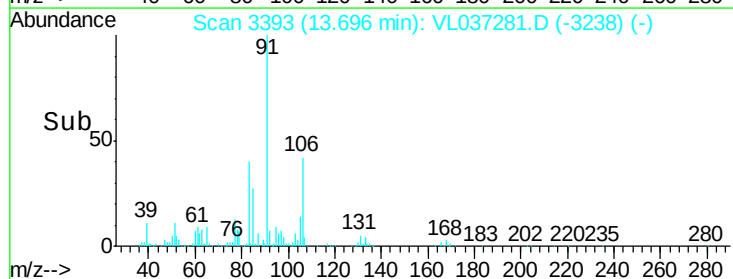
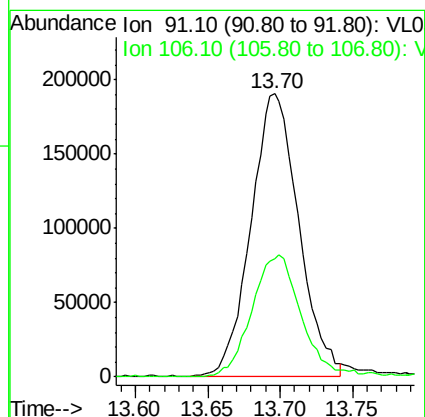
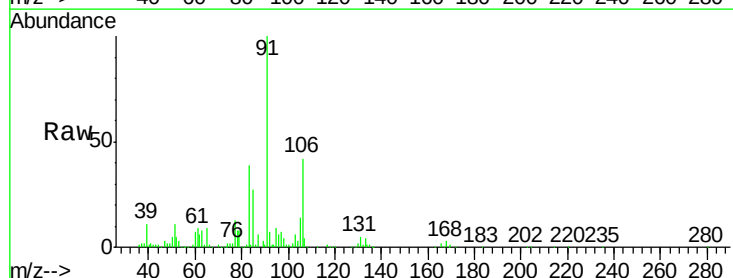
Manual Integrations
APPROVED

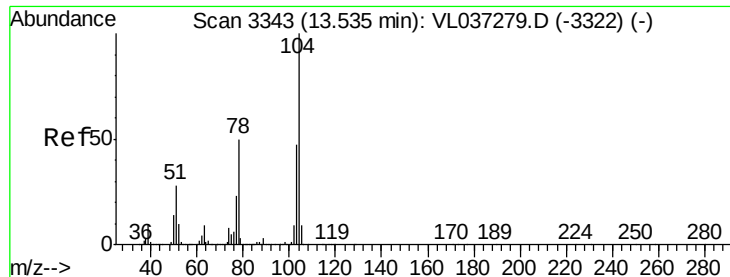
MMDadoda
8/2/2021 9:03:32 AM



#60
o-Xylene
Concen: 1.078 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 91 Resp: 434398
Ion Ratio Lower Upper
91 100
106 44.7 22.6 67.8





#61

Stvrene

Concen: 0.958 ppbv m

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

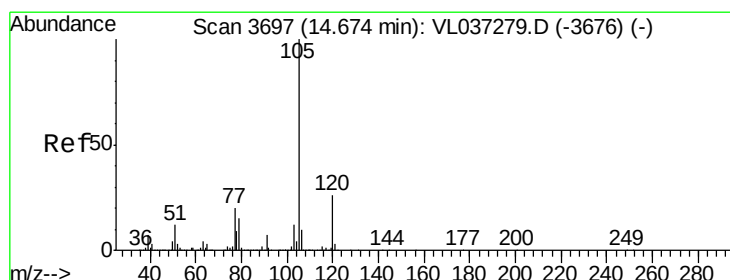
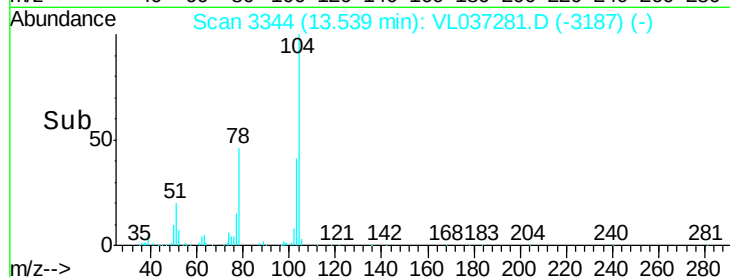
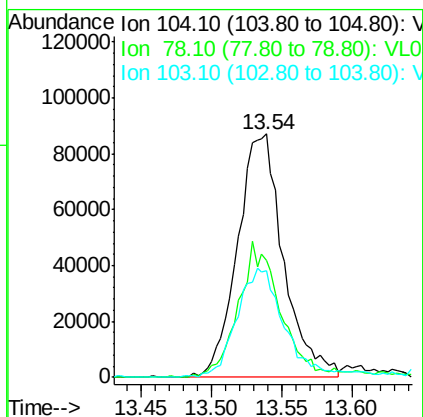
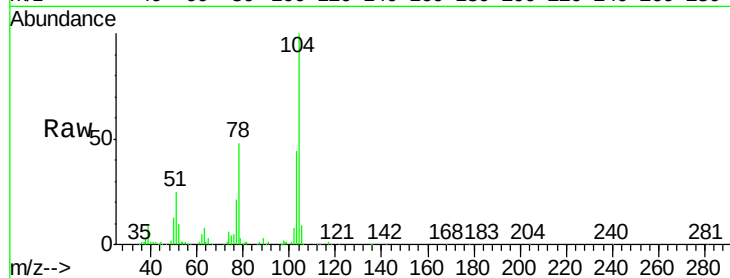
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	197247
Ion Ratio	Lower	Upper	
104	100		
78	52.9	41.8	62.6
103	47.9	38.6	58.0

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#62

Isopropylbenzene

Concen: 1.077 ppbv

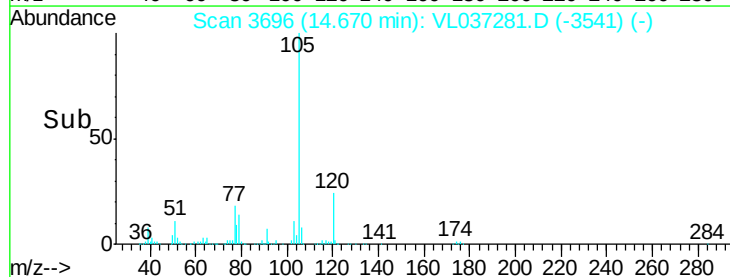
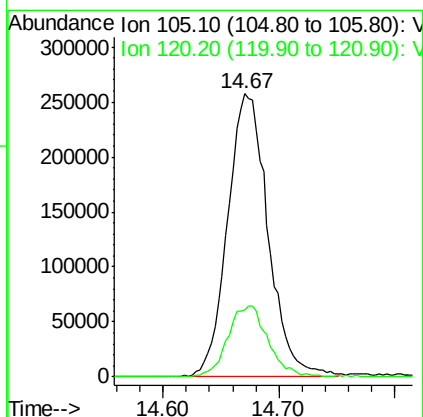
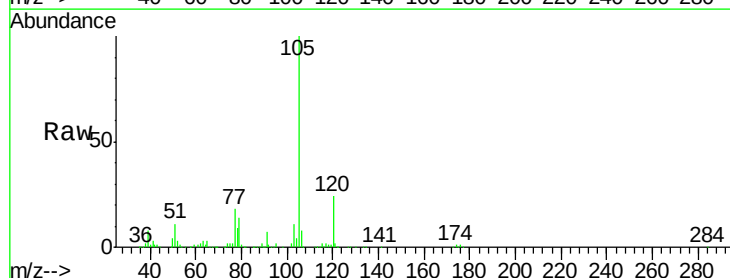
RT: 14.67 min Scan# 3696

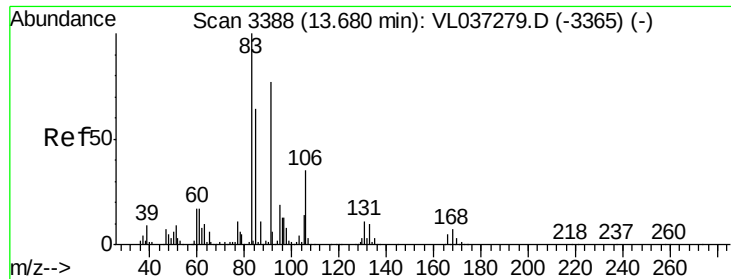
Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion:	105	Resp:	617308
Ion Ratio	Lower	Upper	
105	100		
120	25.0	21.3	31.9





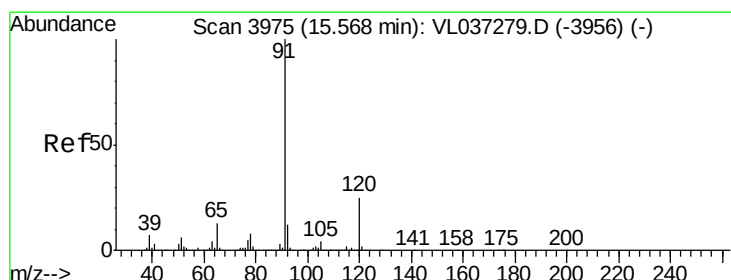
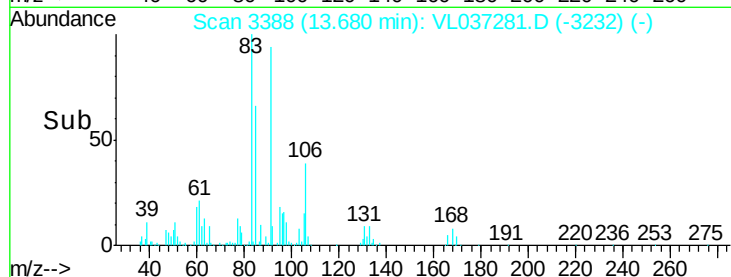
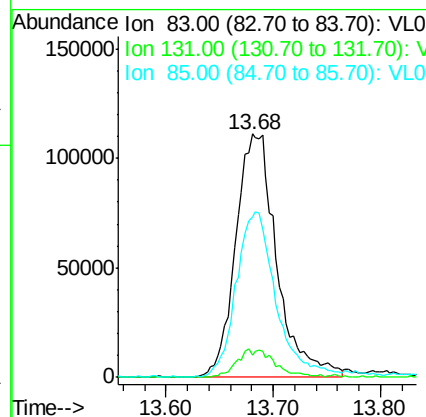
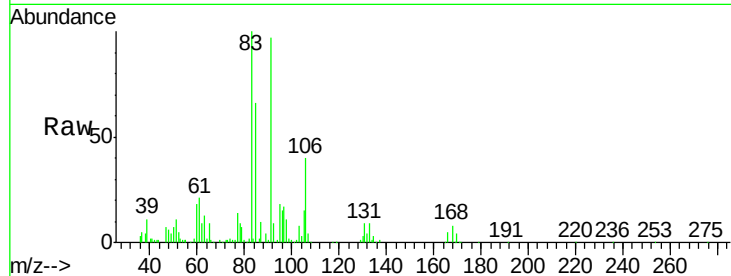
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.102 ppbv m
 RT: 13.68 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.4	16.2
85	67.5	33.4	100.2

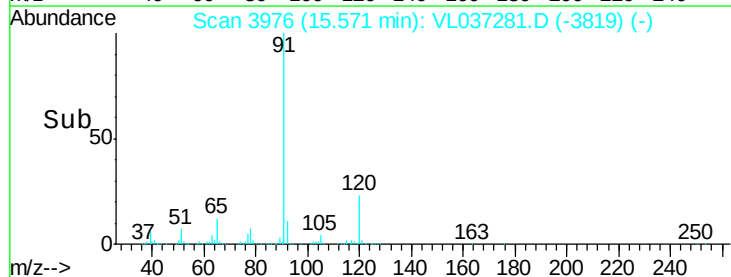
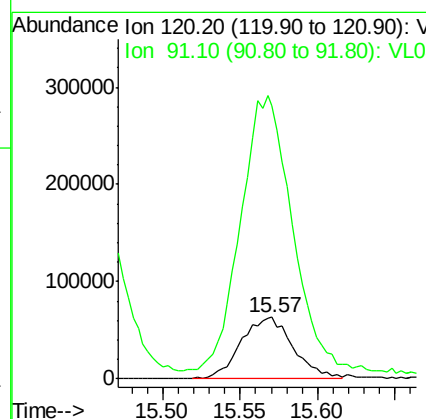
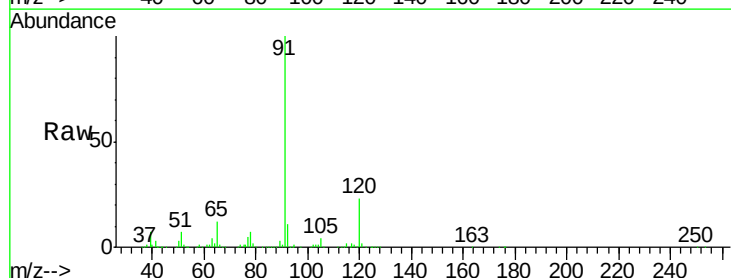
Manual Integrations
 APPROVED

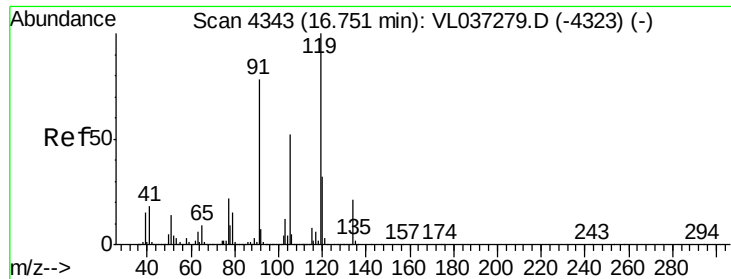
MMDadoda
 8/2/2021 9:03:32 AM



#64
 n-propylbenzene
 Concen: 1.031 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
120	100		
91	493.0	353.8	530.8





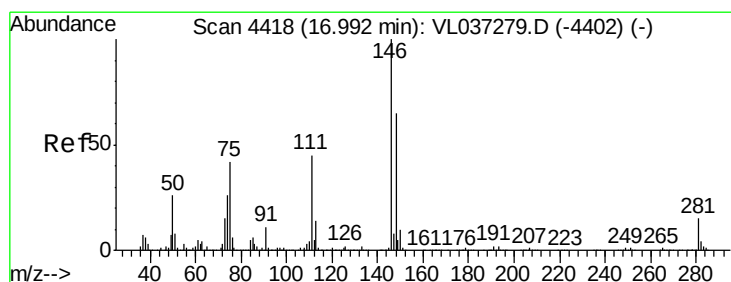
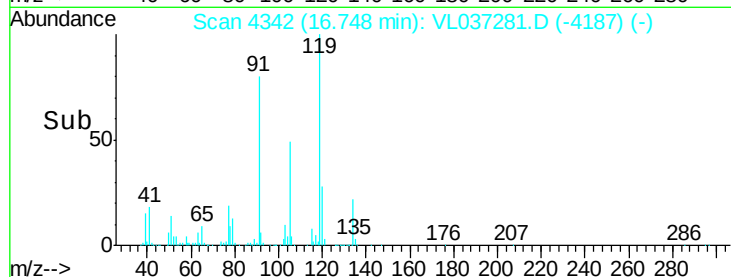
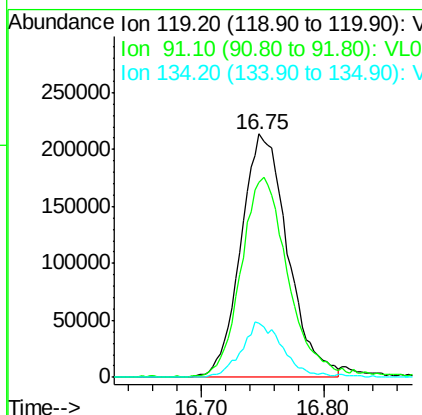
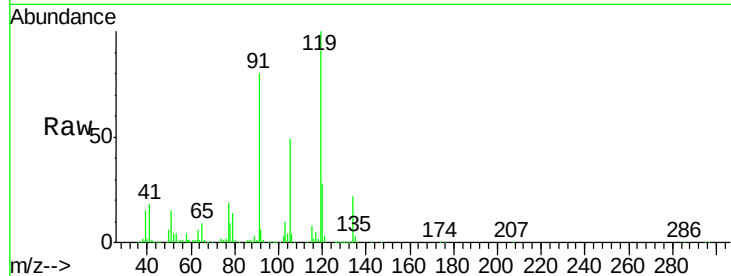
#65
tert-Butylbenzene
Concen: 1.106 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
119	100		
91	83.2	63.4	95.0
134	20.4	16.1	24.1

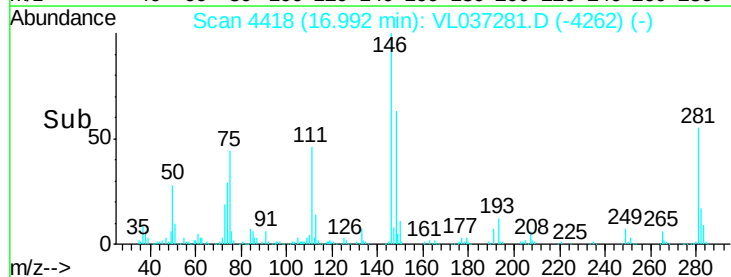
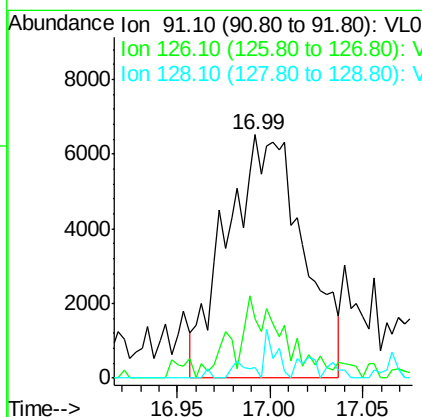
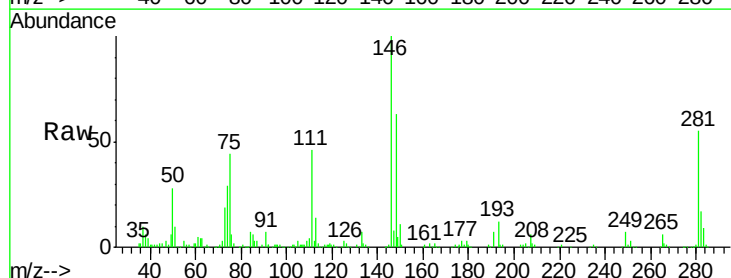
Manual Integrations
APPROVED

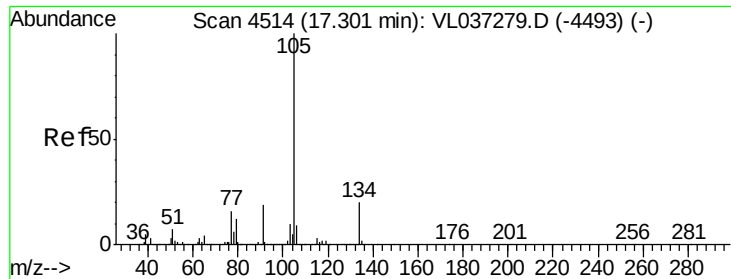
MMDadoda
8/2/2021 9:03:32 AM



#66
Benzyl Chloride
Concen: 0.863 ppbv m
RT: 16.99 min Scan# 4418
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	2.6	13.4	20.2#
128	9.4	4.5	6.7#





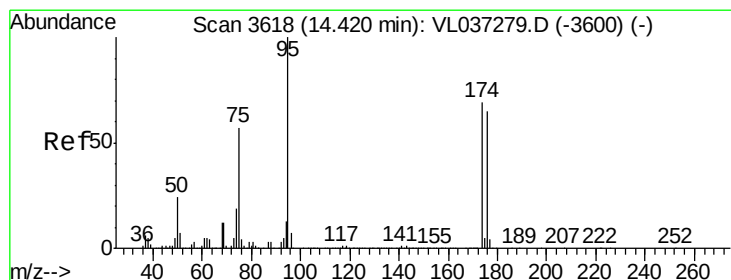
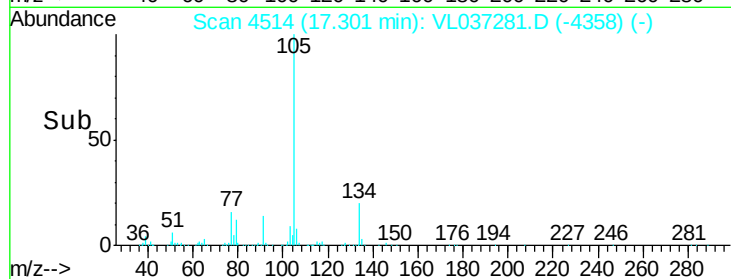
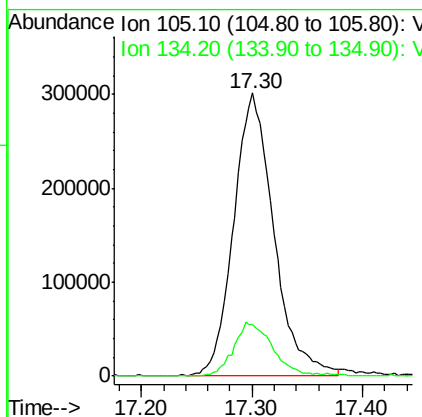
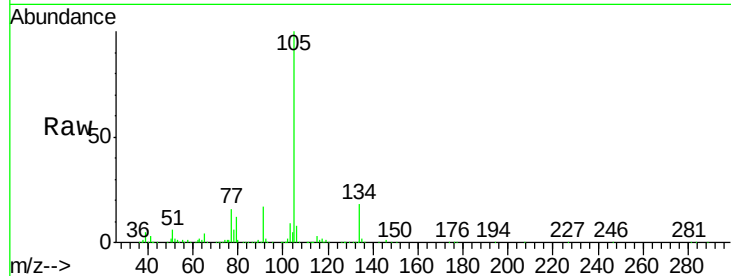
#67
 sec-Butylbenzene
 Concen: 1.104 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	15.8	23.6

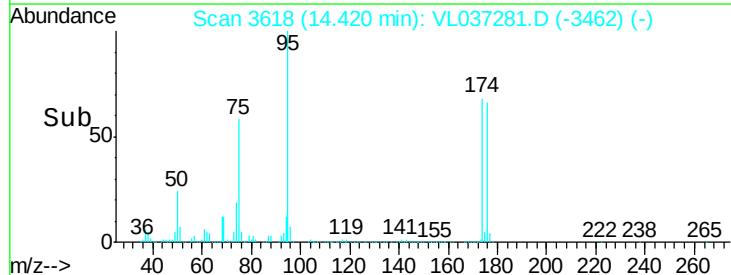
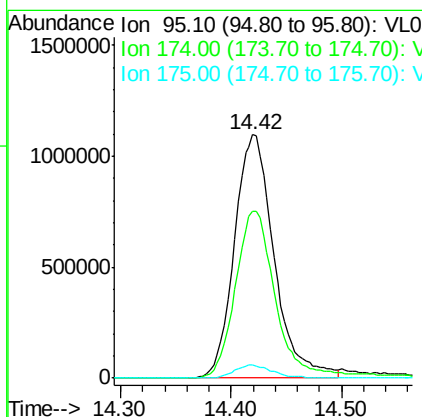
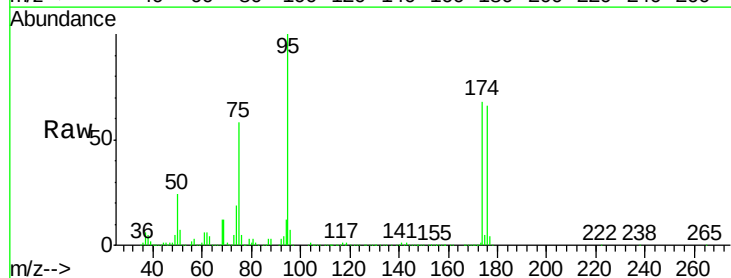
Manual Integrations
 APPROVED

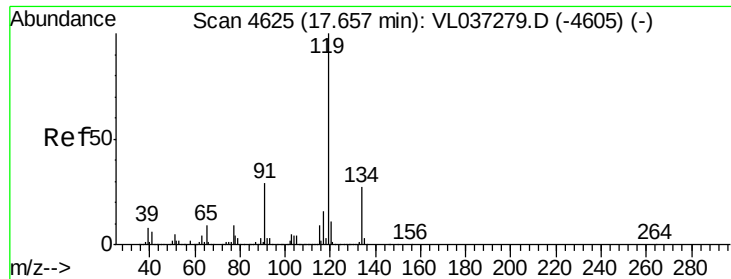
MMDadoda
 8/2/2021 9:03:32 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.089 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	56.3	84.5
175	5.4	4.3	6.5





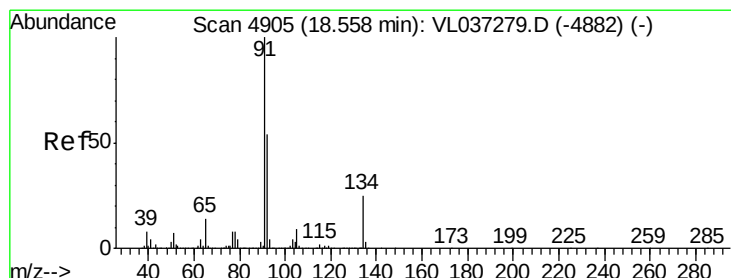
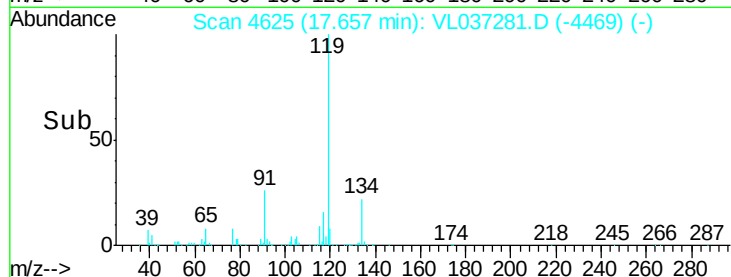
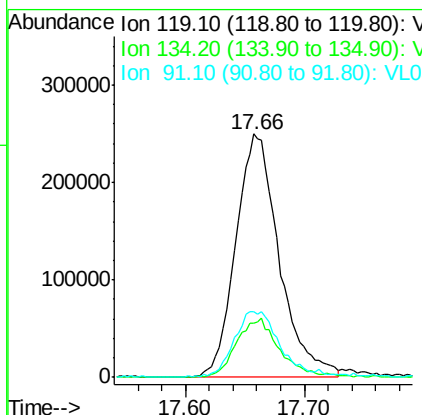
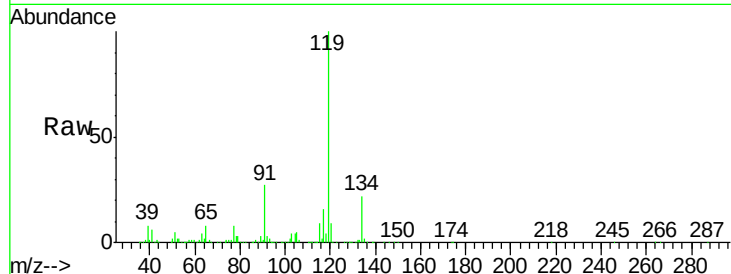
#69
 p-Isopropyltoluene
 Concen: 1.093 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	627730		
134	24.3		20.6	31.0
91	29.2		23.0	34.4

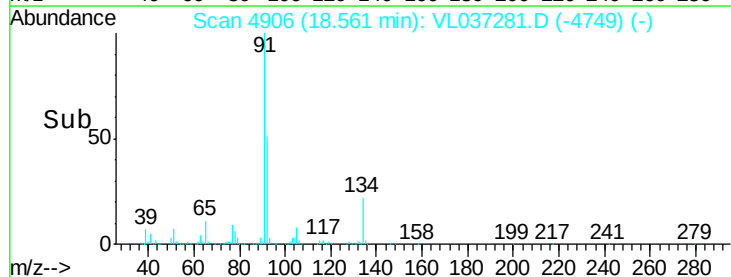
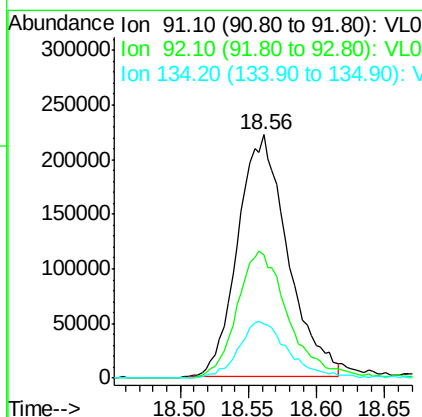
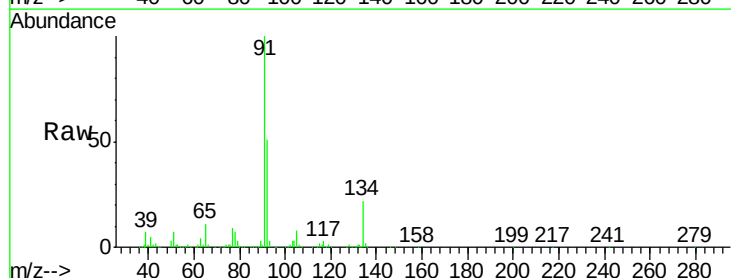
Manual Integrations
 APPROVED

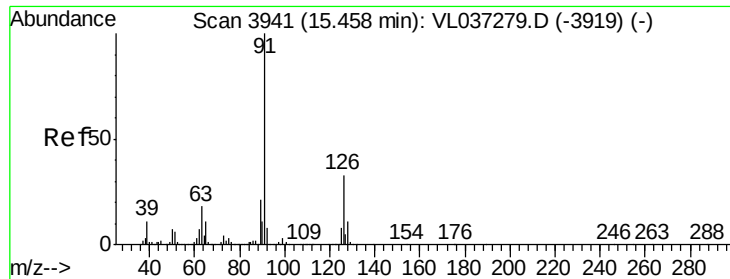
MMDadoda
 8/2/2021 9:03:32 AM



#70
 n-Butylbenzene
 Concen: 1.065 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	565408		
92	54.0		43.4	65.2
134	24.0		19.6	29.4





#71

2-Chlorotoluene

Concen: 1.091 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 438647

Ion Ratio Lower Upper

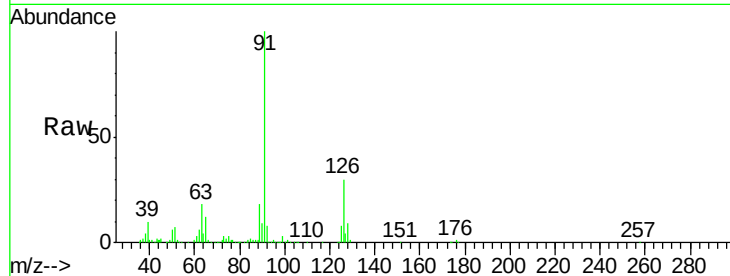
91 100

126 31.8 13.1 52.3

Manual Integrations
APPROVED

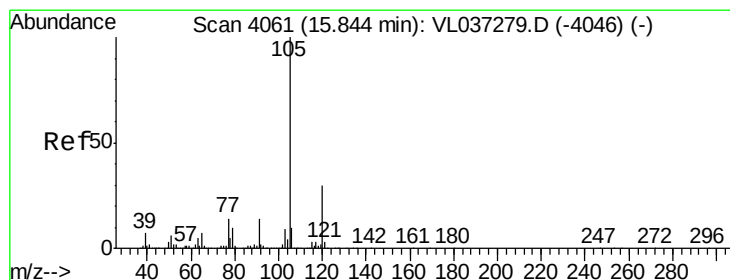
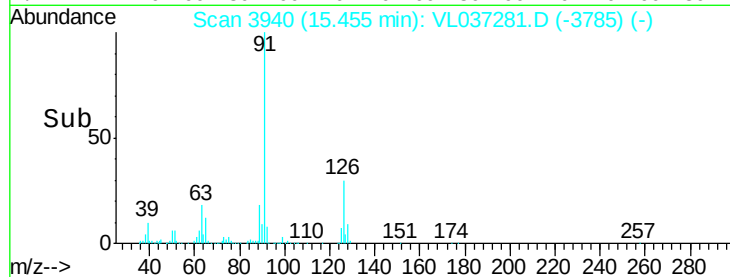
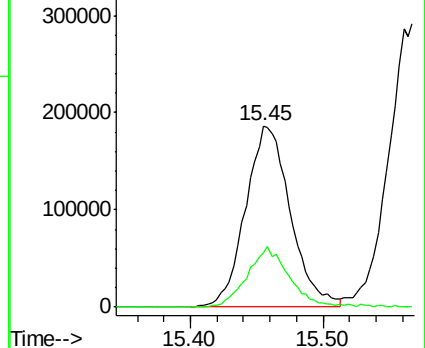
MMDadoda

8/2/2021 9:03:32 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.047 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion: 105 Resp: 480760

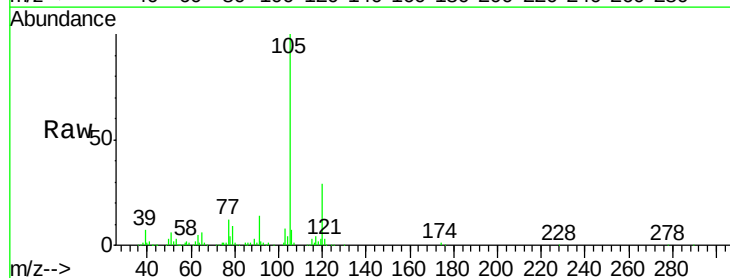
Ion Ratio Lower Upper

105 100

120 30.9 24.3 36.5

91 13.6 10.5 15.7

77 14.6 11.0 16.6

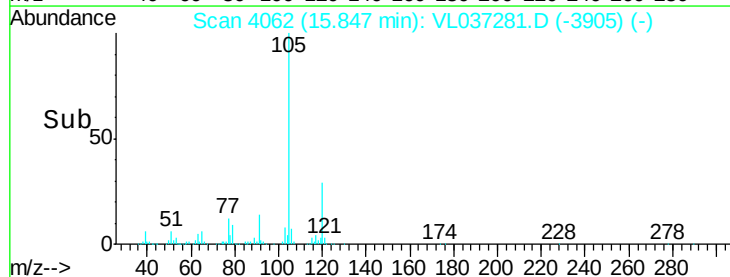
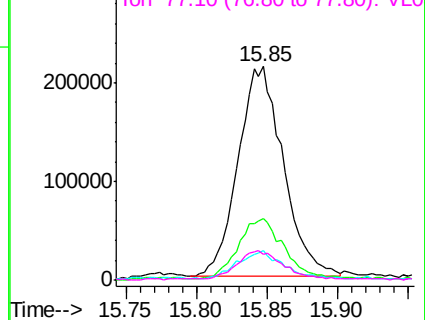


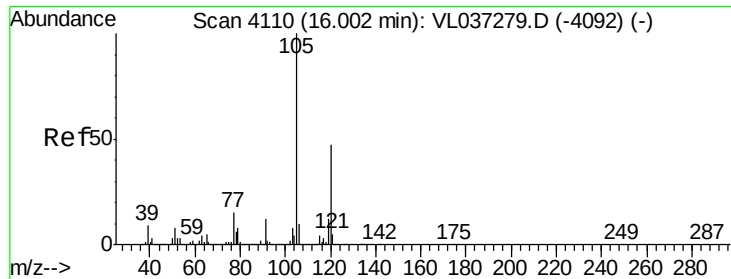
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 1.039 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 461177

Ion Ratio Lower Upper

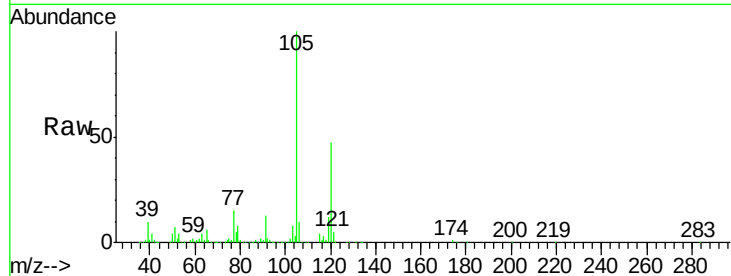
105 100

120 46.9 37.7 56.5

Manual Integrations
APPROVED

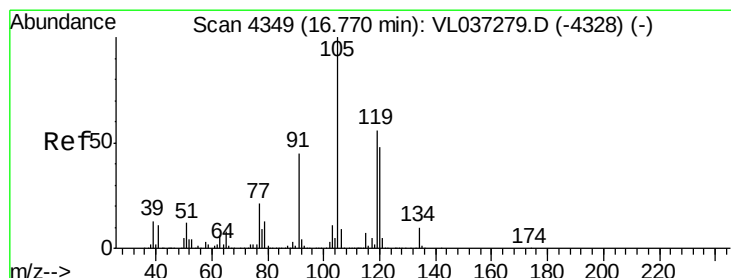
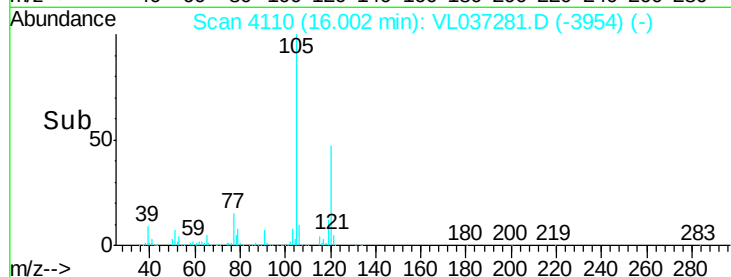
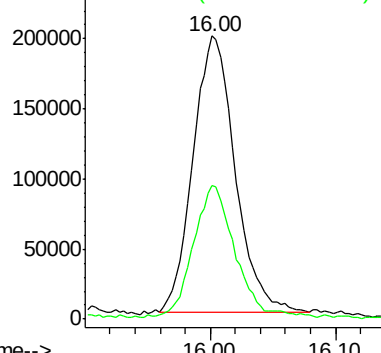
MMDadoda

8/2/2021 9:03:32 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.140 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion:105 Resp: 521318

Ion Ratio Lower Upper

105 100

120 45.8 38.2 57.4

91 52.6 36.2 54.2

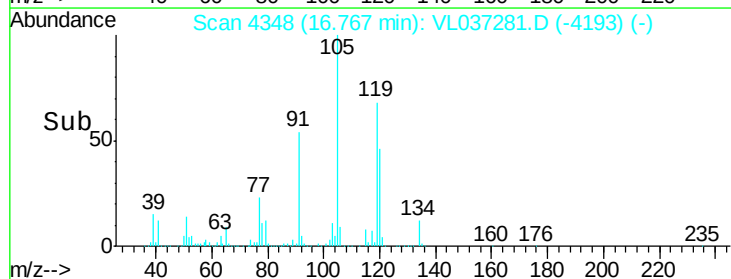
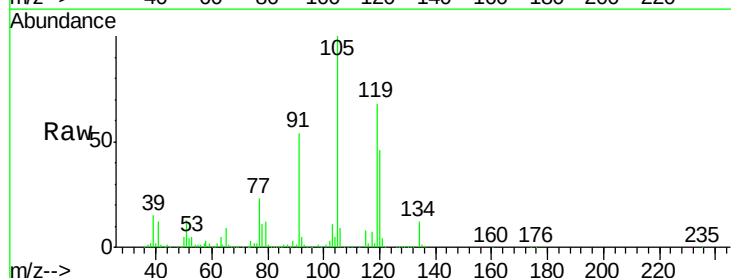
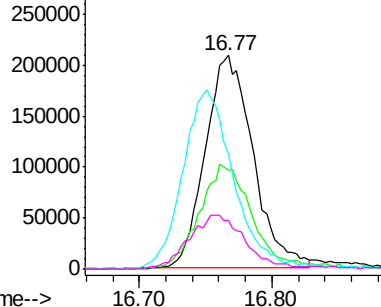
77 21.6 17.0 25.6

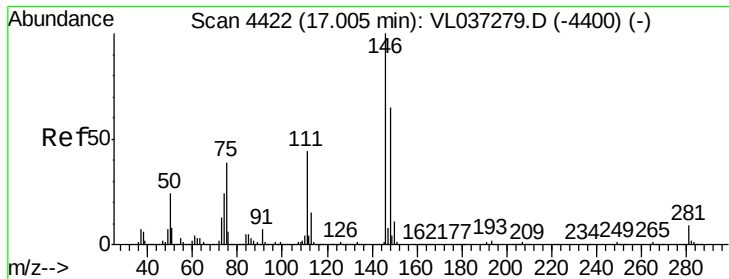
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





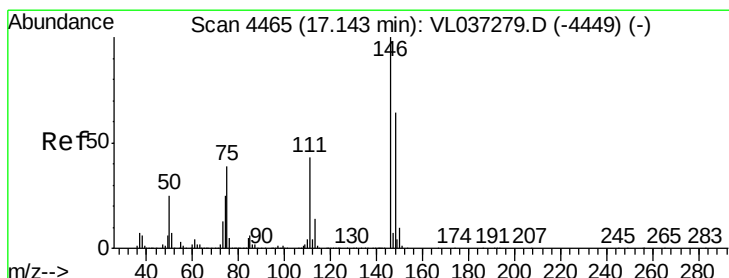
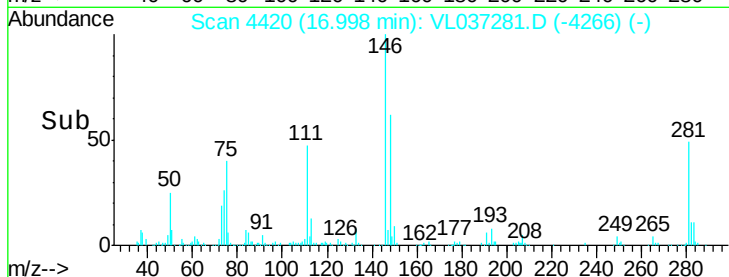
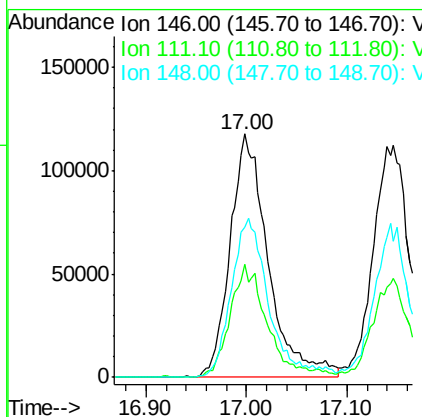
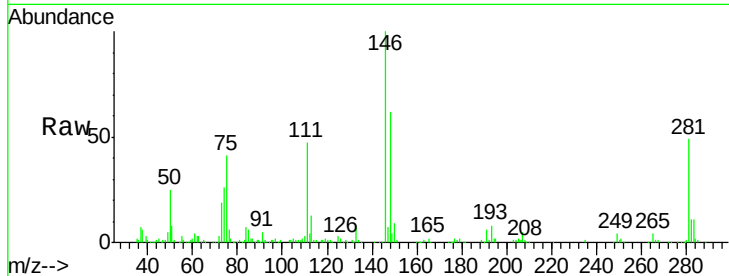
#75
 1,3-Dichlorobenzene
 Concen: 1.109 ppbv m
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.6	67.8
148	64.6	32.4	97.2

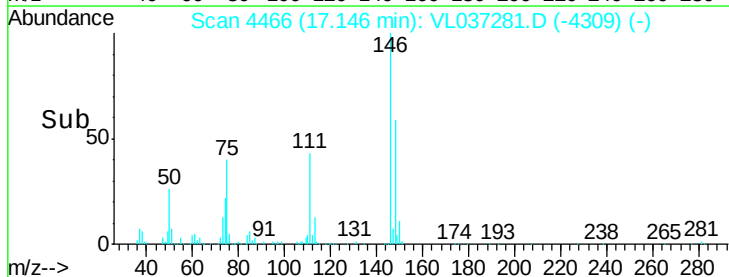
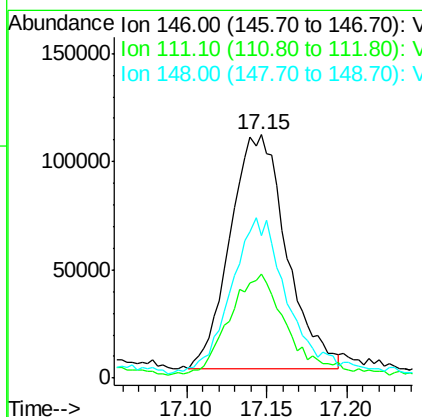
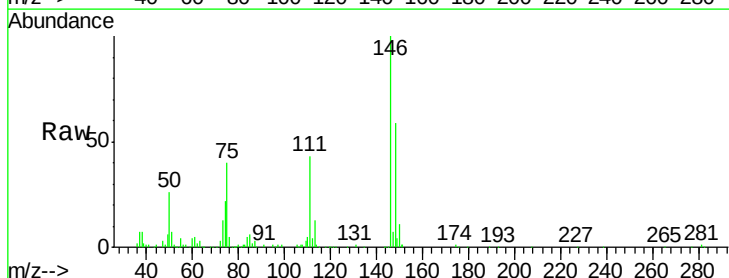
Manual Integrations
 APPROVED

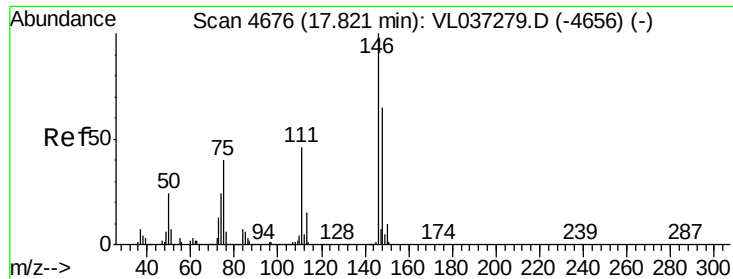
MMDadoda
 8/2/2021 9:03:32 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.940 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.8	22.8	68.4
148	74.3	33.7	101.0





#77

1,2-Dichlorobenzene

Concen: 1.010 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

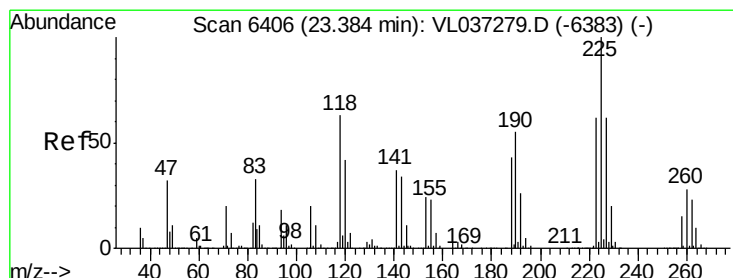
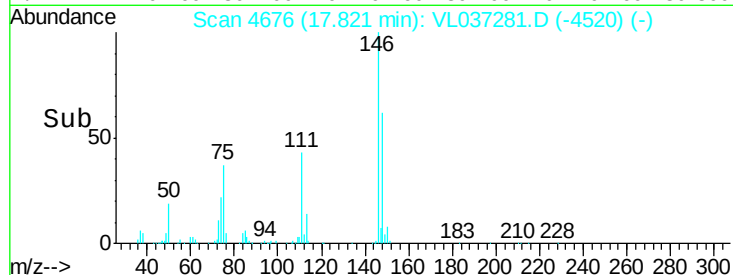
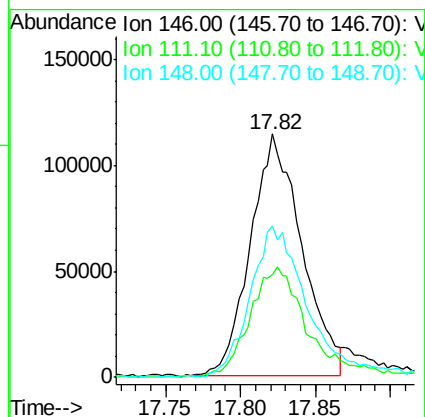
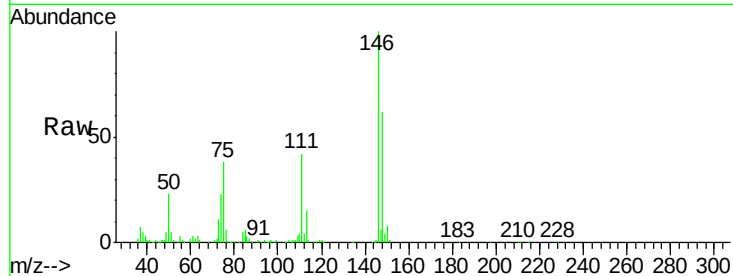
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	272166
Ion Ratio	Lower	Upper	
146	100		
111	51.3	23.4	70.3
148	70.1	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:32 AM



#78

Hexachloro-1,3-Butadiene

Concen: 1.025 ppbv

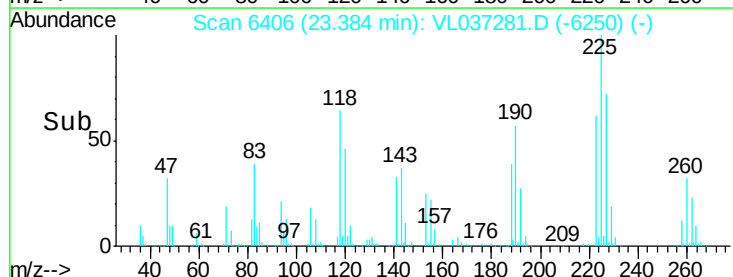
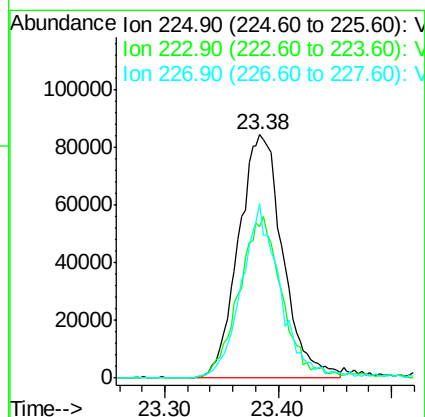
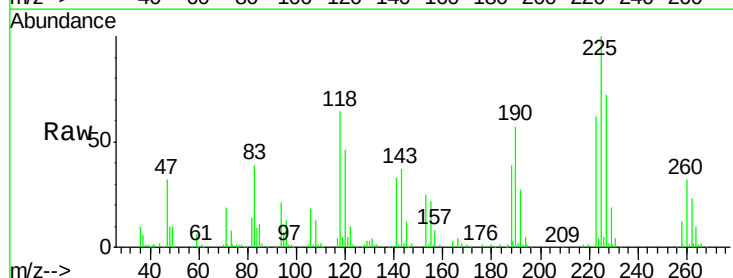
RT: 23.38 min Scan# 6406

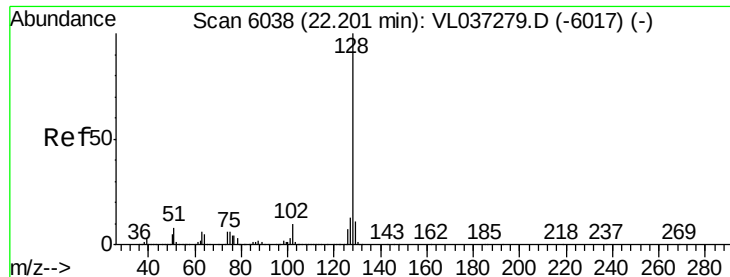
Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion:	225	Resp:	229605
Ion Ratio	Lower	Upper	
225	100		
223	66.3	51.4	77.2
227	62.8	50.8	76.2





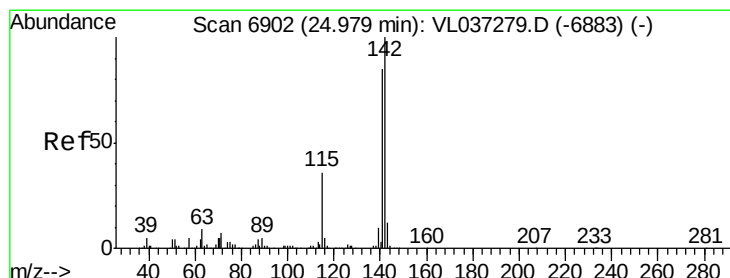
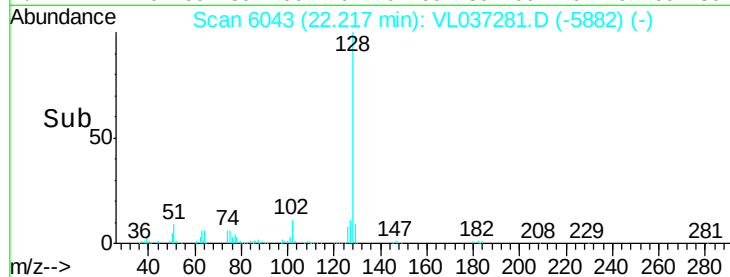
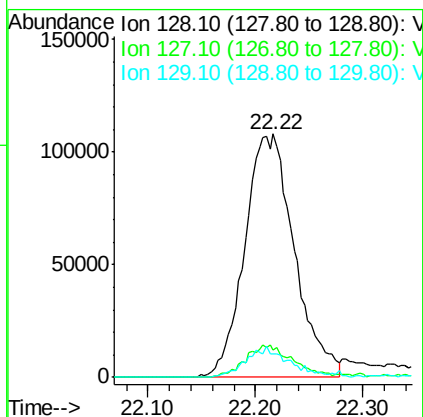
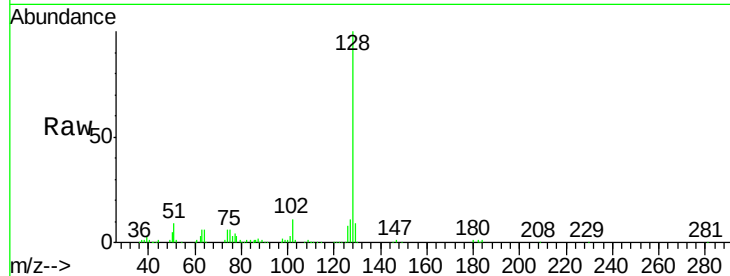
#79
Naphthalene
Concen: 0.966 ppbv m
RT: 22.22 min Scan# 6043
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	345679		
127	11.4	10.3	15.5	
129	9.5	9.0	13.4	

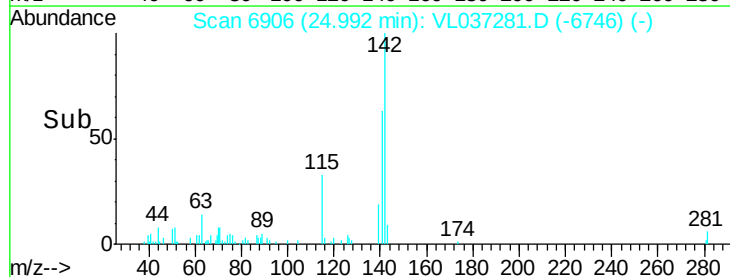
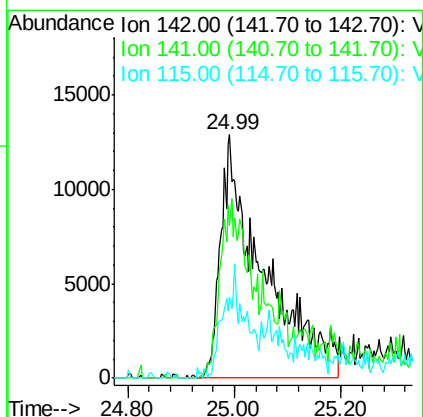
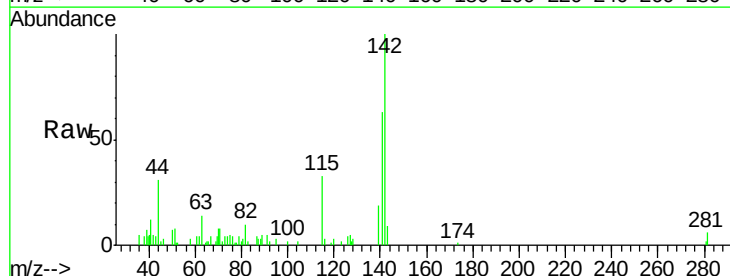
Manual Integrations
APPROVED

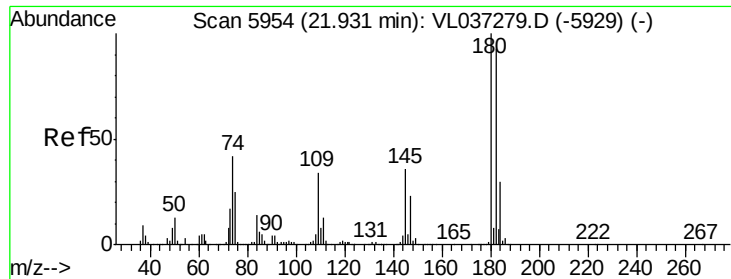
MMDadoda
8/2/2021 9:03:32 AM



#80
Naphthalene, 2-methyl-
Concen: 0.828 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	71180		
141	67.8	70.7	106.1#	
115	22.7	31.4	47.0#	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.984 ppbv m
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.4	79.3	118.9
184	32.7	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:32 AM

