

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037339.D
 Acq On : 5 Aug 2021 11:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 4:39:10 PM

Quant Time: Aug 05 13:53:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1021741	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3353614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2890807m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2094329	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1600056	7.713	ppbv	99
3) Chlorodifluoromethane	2.98	51	1794887	8.640	ppbv	98
4) Chloromethane	3.13	50	607544	8.166	ppbv	97
5) Vinyl Chloride	3.25	62	664867	8.538	ppbv	100
6) Bromomethane	3.47	94	361135	7.515	ppbv	99
7) Chloroethane	3.55	64	238668	8.626	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1633898	8.232	ppbv	98
9) Propene	3.01	41	571236	7.605	ppbv	99
10) Heptane	8.11	43	1438674	8.200	ppbv	99
11) Trichlorofluoromethane	3.94	101	1625585	8.518	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1212527	8.738	ppbv	99
13) Ethanol	3.61	45	76469	6.759	ppbv	100
14) Bromoethene	3.73	108	522042	8.427	ppbv	97
15) Acetone	3.84	43	1084567	9.772	ppbv	99
16) 1,3-Butadiene	3.32	39	622655	8.709	ppbv	93
17) tert-Butyl alcohol	4.29	59	985397	8.840	ppbv	99
18) 1,1-Dichloroethene	4.28	96	558550	8.812	ppbv	91
19) Isopropyl Alcohol	3.97	45	559657	9.111	ppbv	# 1
20) Methylene Chloride	4.34	84	461565	5.023	ppbv	98
21) Allyl Chloride	4.40	41	672189	7.482	ppbv	91
22) trans-1,2-Dichloroethene	4.88	96	532751	9.226	ppbv	97
23) Vinyl Acetate	5.07	43	1671557	9.973	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1215446	8.481	ppbv	100
25) Ethyl Acetate	5.67	43	2155116	7.467	ppbv	99
26) Hexane	5.68	57	1111988	6.886	ppbv	97
27) Carbon Disulfide	4.55	76	1163386	8.852	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1359038	7.924	ppbv	98
29) Chloroform	5.75	83	1715659	8.389	ppbv	99
30) Cyclohexane	7.12	84	998660	8.019	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1062692	8.472	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1724180	8.842	ppbv	100
34) 2-Butanone	5.24	43	988485	8.494	ppbv	98
35) Carbon Tetrachloride	7.01	117	1807497	9.031	ppbv	100
36) Benzene	6.88	78	2403918	7.965	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1218489	8.777	ppbv	98
38) Trichloroethene	7.83	130	1021004	7.730	ppbv	99
39) 1,2-Dichloropropane	7.60	63	888196	7.903	ppbv	96
40) 1,4-Dioxane	7.83	88	245583	7.596	ppbv	99
41) Tetrahydrofuran	6.04	42	479038	7.402	ppbv	99
42) Bromodichloromethane	7.78	83	1825752	8.736	ppbv	95
43) Methyl Methacrylate	8.00	69	903831	8.825	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037339.D
 Acq On : 5 Aug 2021 11:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

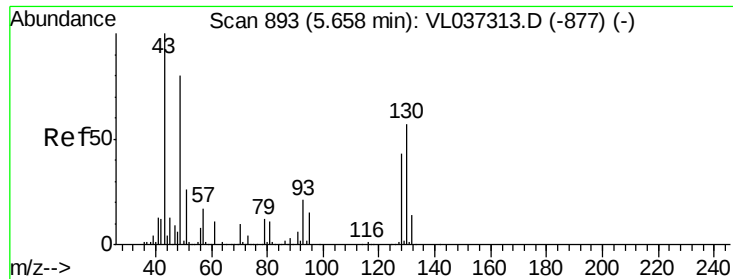
Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 4:39:10 PM

Quant Time: Aug 05 13:53:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3879810	7.777	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	634271	7.842	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	906271	7.783	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1028785	8.610	ppbv	98
48) Dibromochloromethane	10.29	129	1666860	9.413	ppbv	100
49) Bromoform	13.03	173	1423617	10.722	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1513289	8.492	ppbv	98
51) 2-Hexanone	10.13	43	786440	9.707	ppbv #	96
52) Tetrachloroethene	11.21	164	1035862	7.969	ppbv	99
53) Toluene	9.80	91	2905950	8.156	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1465852	8.834	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1192992	9.559	ppbv #	57
57) Chlorobenzene	12.14	112	2250163	9.220	ppbv	99
58) Ethyl Benzene	12.70	91	3744918	8.819	ppbv	99
59) m/p-Xylene	12.99	91	6365849m	17.799	ppbv	
60) o-Xylene	13.68	91	2896006	8.910	ppbv	96
61) Styrene	13.52	104	1612261	9.048	ppbv	99
62) Isopropylbenzene	14.65	105	4338503	9.193	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	2159498	9.150	ppbv	100
64) n-propylbenzene	15.55	120	1195156	9.684	ppbv	99
65) tert-Butylbenzene	16.73	119	4122329	9.471	ppbv	100
66) Benzyl Chloride	16.98	91	117600	6.951	ppbv #	99
67) sec-Butylbenzene	17.28	105	5560177	9.471	ppbv	99
69) p-Isopropyltoluene	17.64	119	4799985	9.720	ppbv	99
70) n-Butylbenzene	18.54	91	4456907	9.867	ppbv	99
71) 2-Chlorotoluene	15.44	91	3176252	9.631	ppbv	99
72) 4-Ethyltoluene	15.82	105	3776234	9.624	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3321831	9.416	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3598188	9.557	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2365148	10.219	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2298116	10.011	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2296817	10.189	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1578147	7.796	ppbv	100
79) Naphthalene	22.18	128	2972539	8.602	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	679566	12.101	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1784895	8.891	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1021741

Ion Ratio Lower Upper

49 100

128 63.2 29.8 89.5

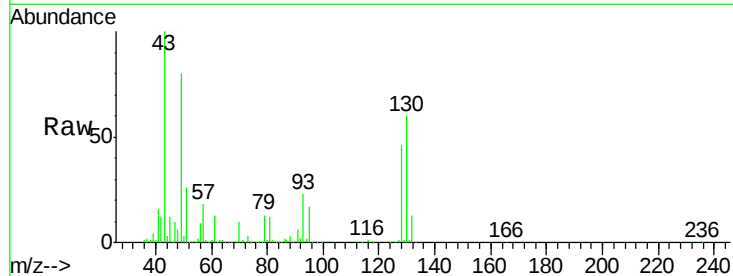
130 78.1 37.5 112.7

Manual Integrations

APPROVED

MMDadoda

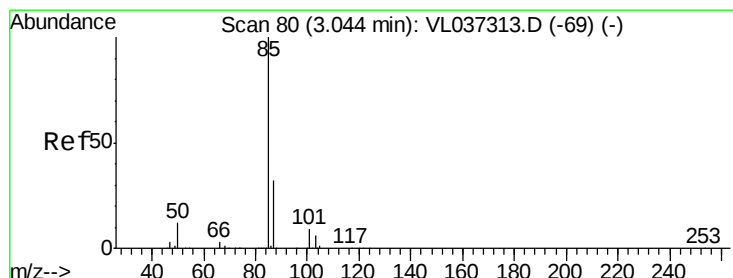
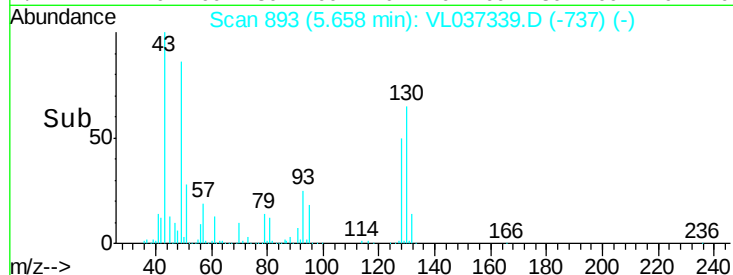
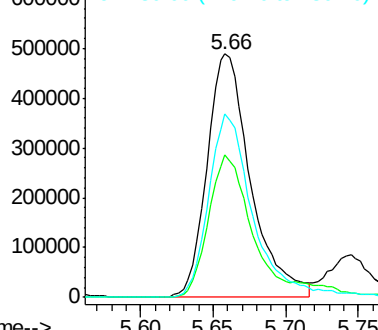
8/5/2021 4:39:10 PM



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: 7.713 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037339.D

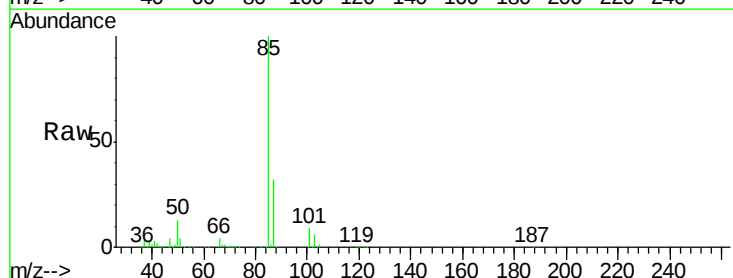
Acq: 5 Aug 2021 11:55

Tgt Ion: 85 Resp: 1600056

Ion Ratio Lower Upper

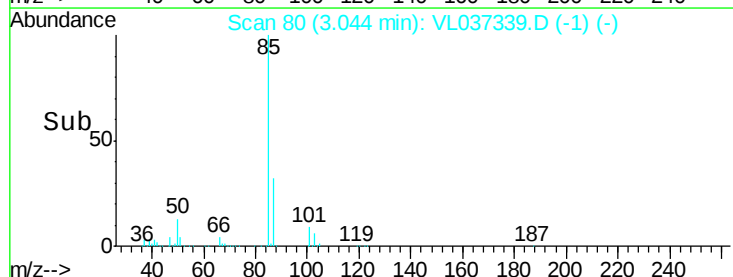
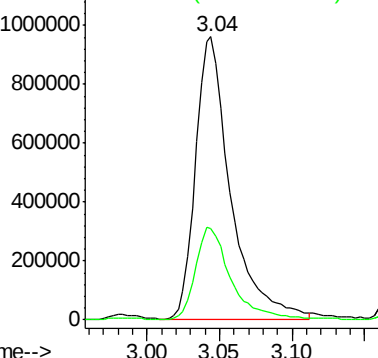
85 100

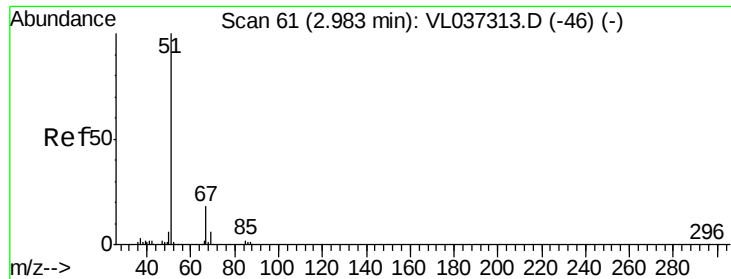
87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





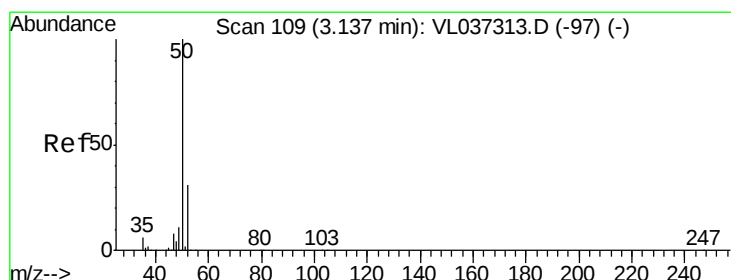
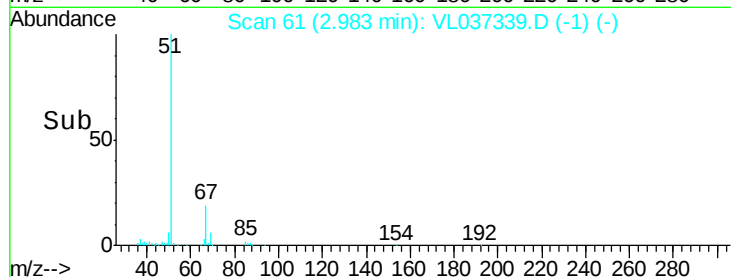
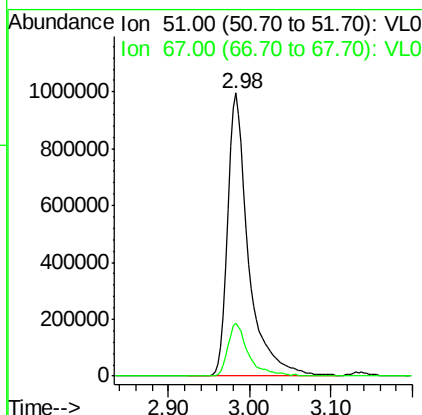
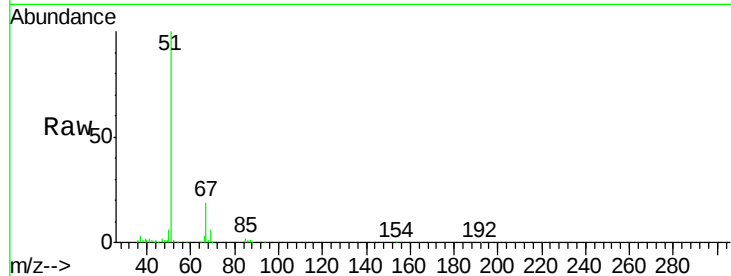
#3
Chlorodifluoromethane
Concen: 8.640 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1794887
Ion Ratio Lower Upper
51 100
67 18.8 14.2 21.2

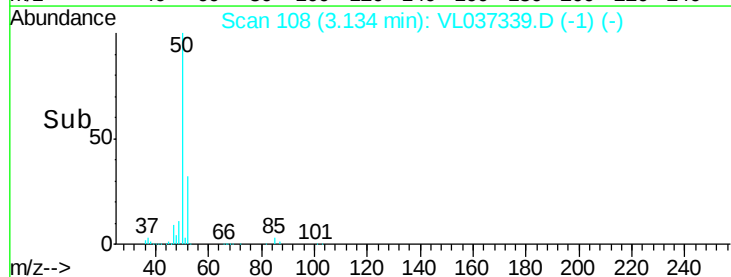
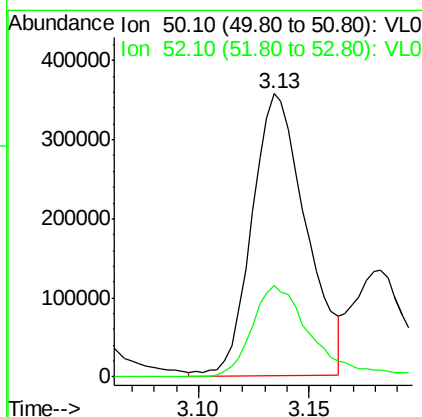
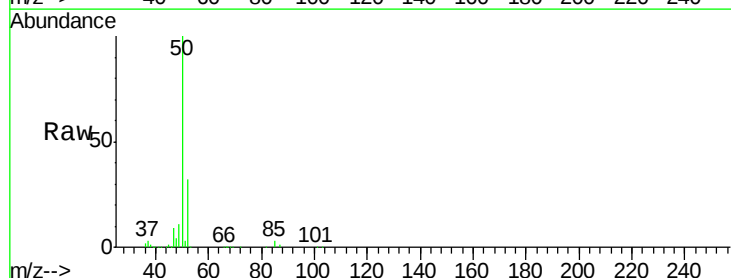
Manual Integrations
APPROVED

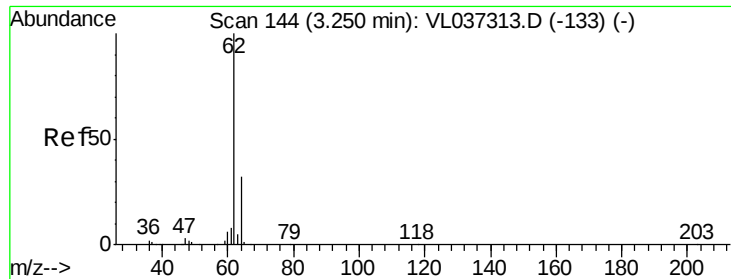
MMDadoda
8/5/2021 4:39:10 PM



#4
Chloromethane
Concen: 8.166 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 50 Resp: 607544
Ion Ratio Lower Upper
50 100
52 32.9 25.1 37.7





#5

Vinyl Chloride

Concen: 8.538 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 664867

Ion Ratio Lower Upper

62 100

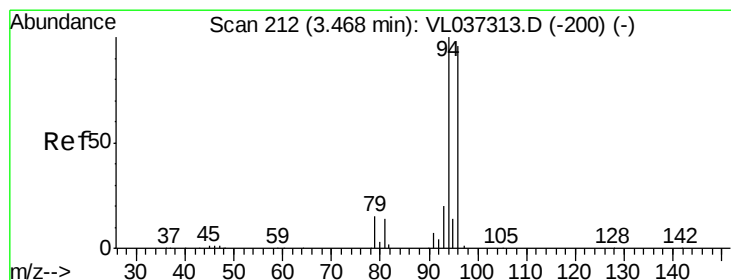
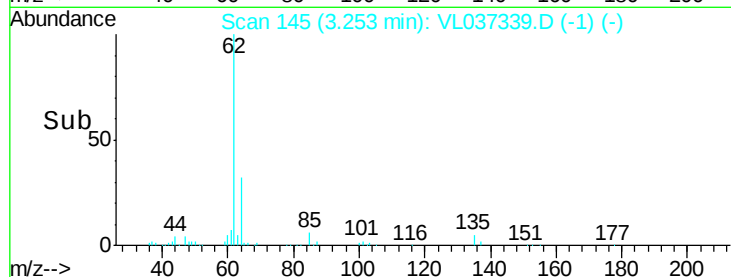
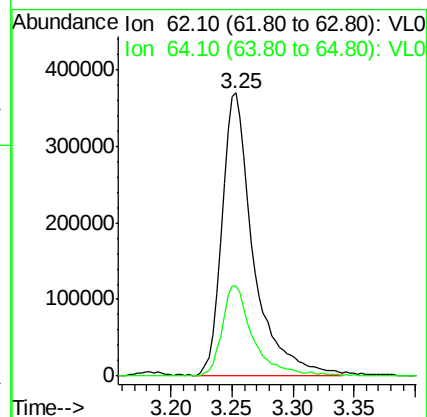
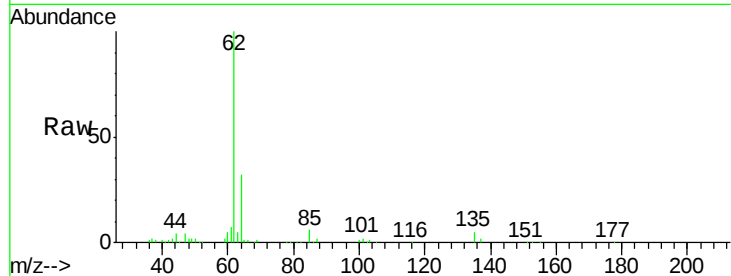
64 31.9 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

8/5/2021 4:39:10 PM



#6

Bromomethane

Concen: 7.515 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037339.D

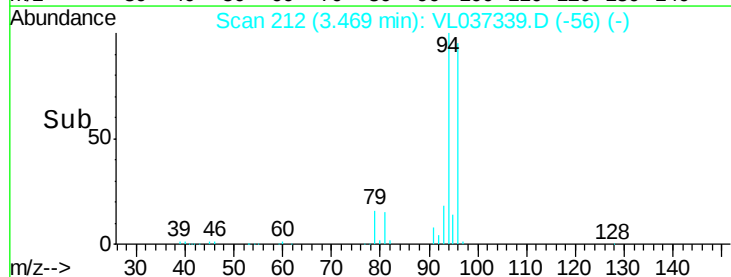
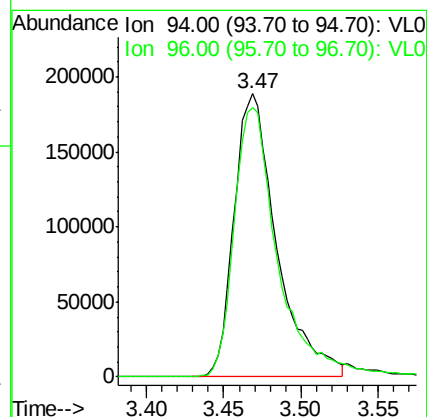
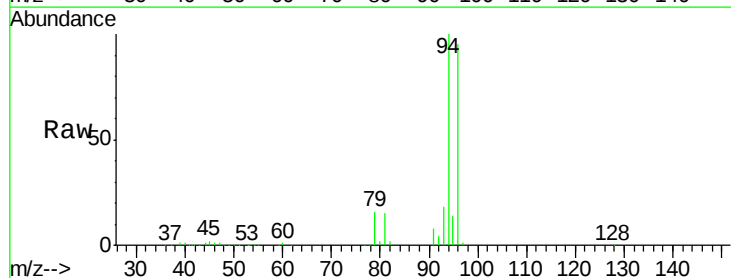
Acq: 5 Aug 2021 11:55

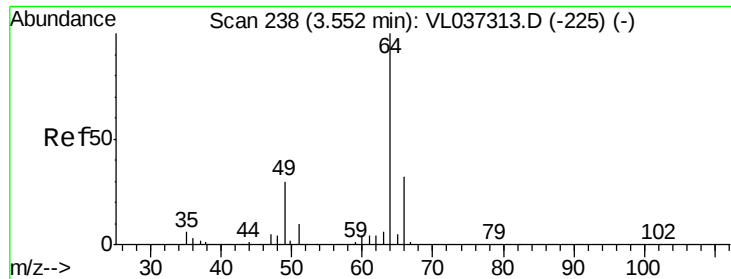
Tgt Ion: 94 Resp: 361135

Ion Ratio Lower Upper

94 100

96 95.0 76.7 115.1





#7

Chloroethane

Concen: 8.626 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 238668

Ion Ratio Lower Upper

64 100

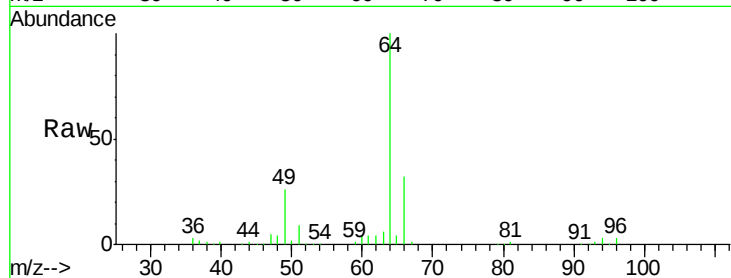
66 32.1 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/5/2021 4:39:10 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

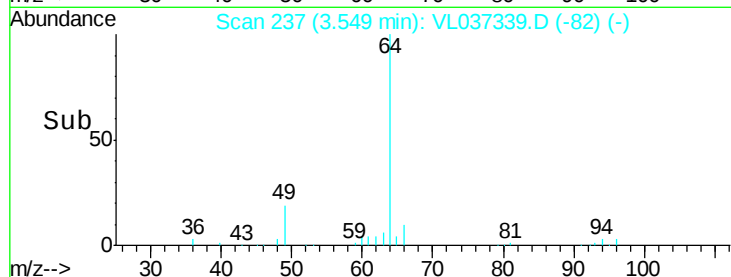
150000

100000

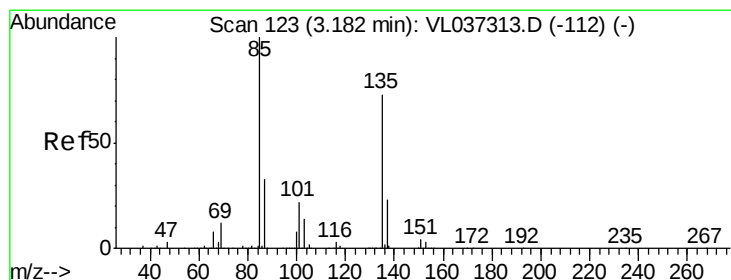
50000

0

Time-->



Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.232 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037339.D

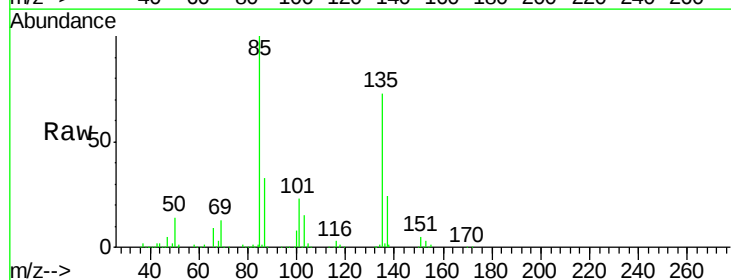
Acq: 5 Aug 2021 11:55

Tgt Ion: 85 Resp: 1633898

Ion Ratio Lower Upper

85 100

135 77.9 60.6 91.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

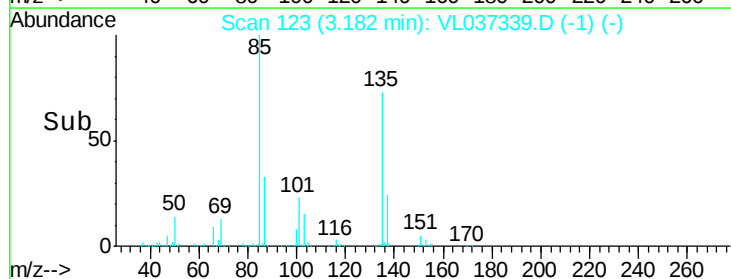
600000

400000

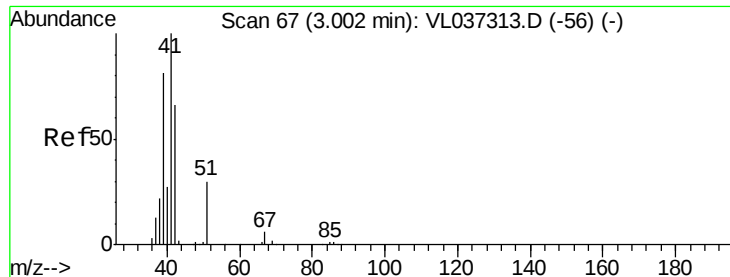
200000

0

Time-->



Time-->



#9

Propene

Concen: 7.605 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 571236

Ion Ratio Lower Upper

41 100

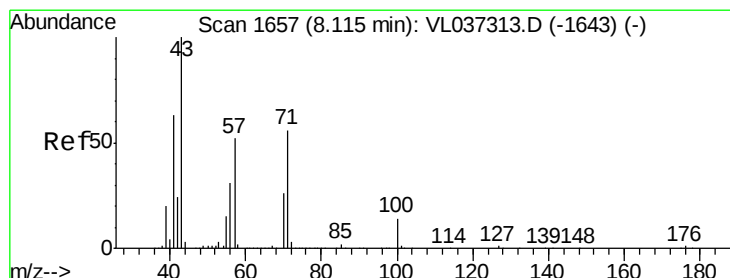
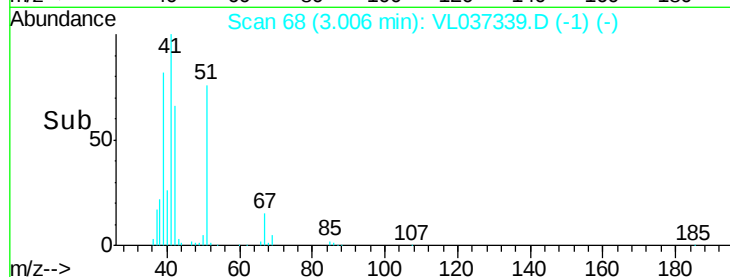
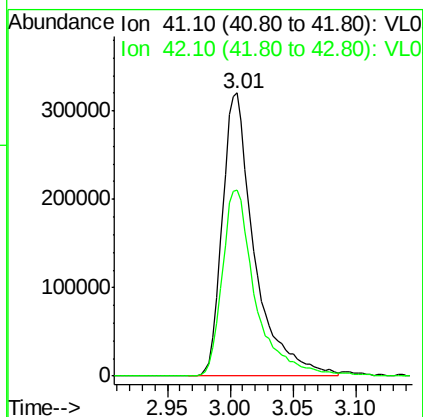
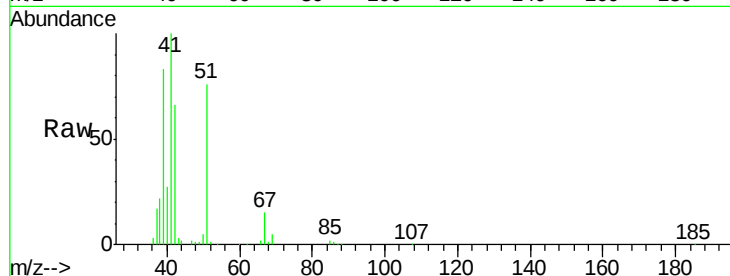
42 68.4 53.8 80.8

Manual Integrations

APPROVED

MMDadoda

8/5/2021 4:39:10 PM



#10

Heptane

Concen: 8.200 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL037339.D

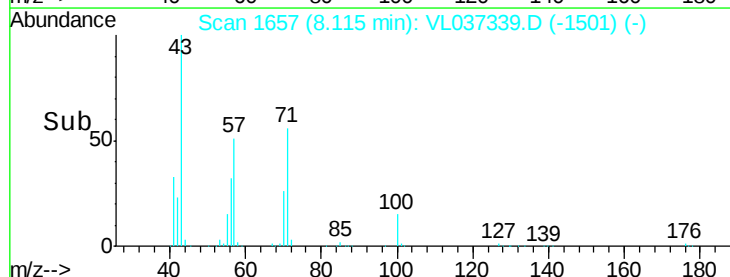
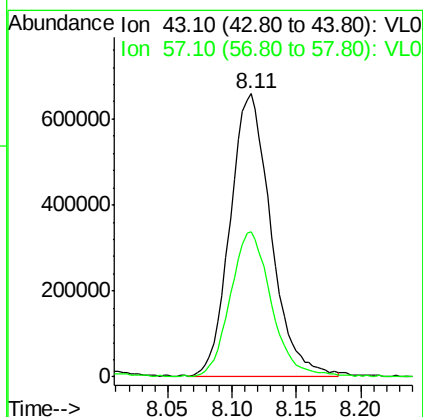
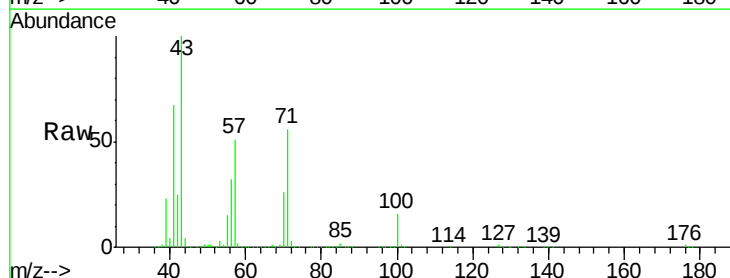
Acq: 5 Aug 2021 11:55

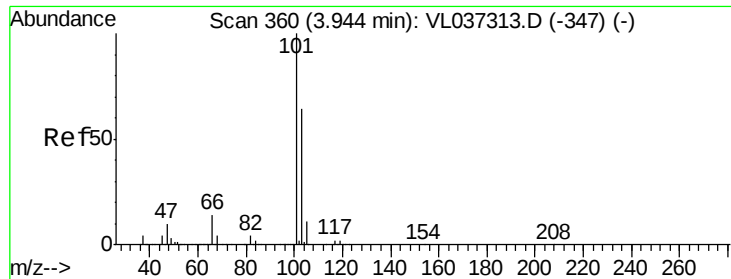
Tgt Ion: 43 Resp: 1438674

Ion Ratio Lower Upper

43 100

57 52.2 42.4 63.6





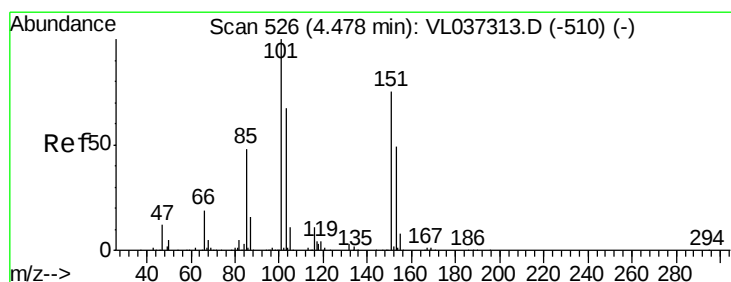
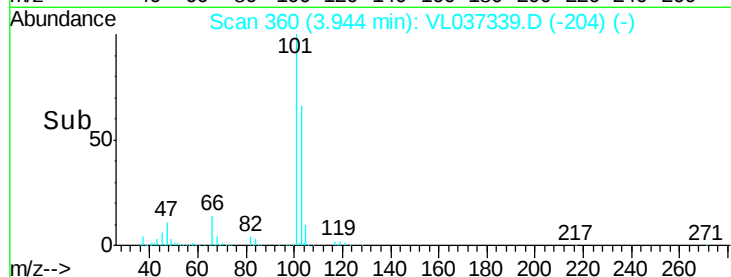
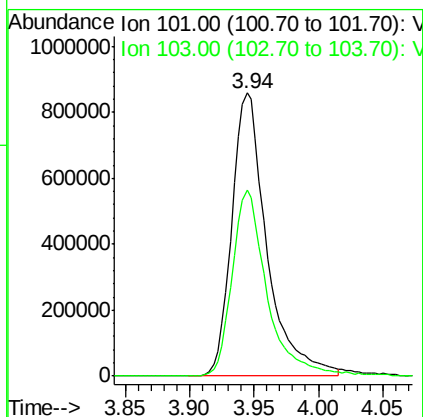
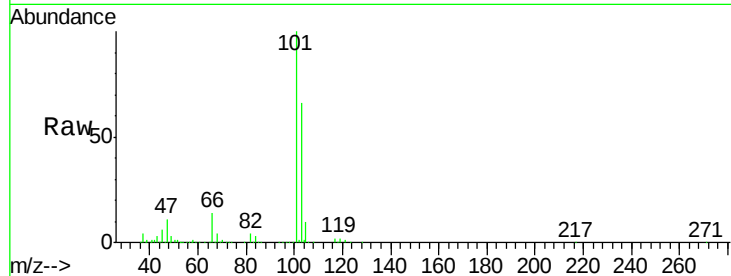
#11
 Trichlorofluoromethane
 Concen: 8.518 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1625585
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4

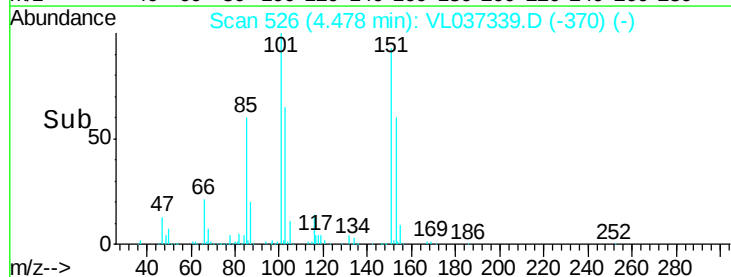
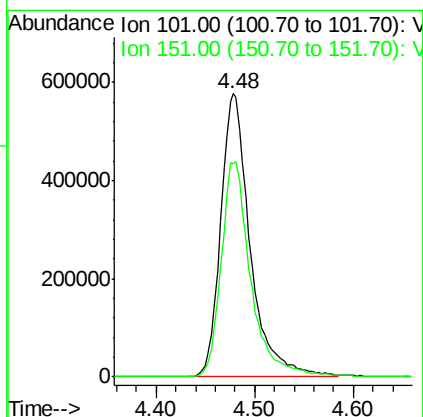
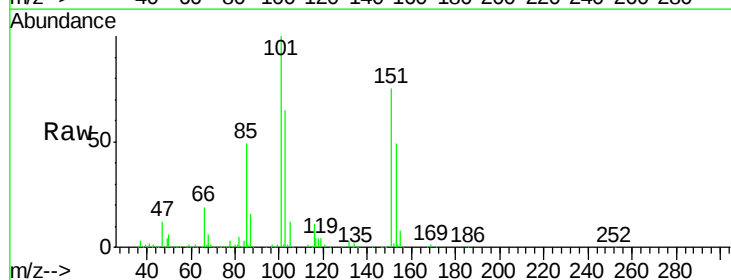
Manual Integrations
 APPROVED

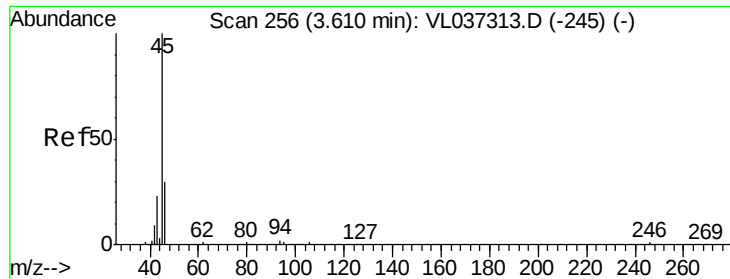
MMDadoda
 8/5/2021 4:39:10 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.738 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion:101 Resp: 1212527
 Ion Ratio Lower Upper
 101 100
 151 76.5 60.6 91.0





#13

Ethanol

Concen: 6.759 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 76469

Ion Ratio Lower Upper

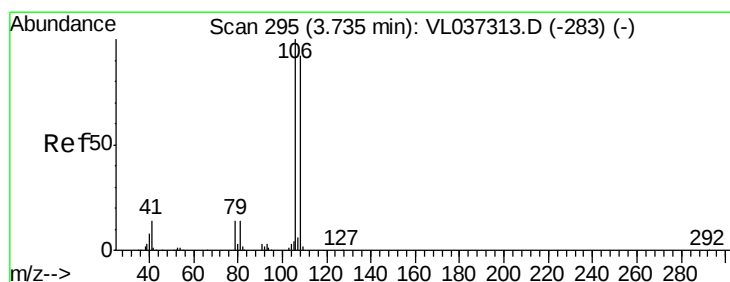
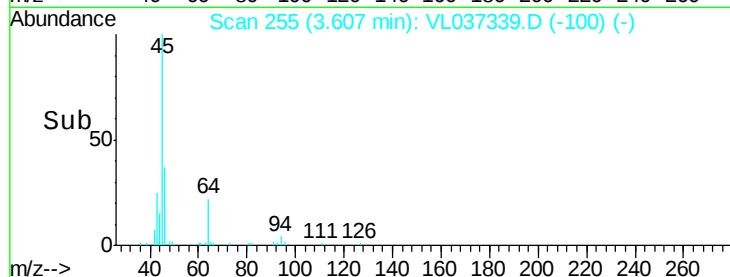
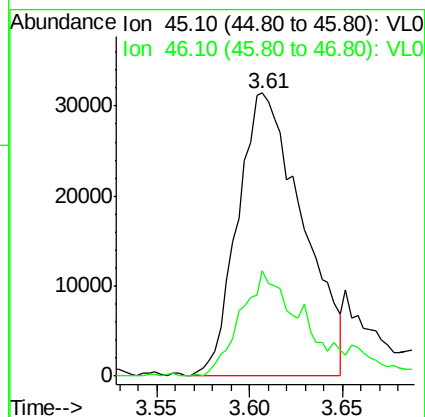
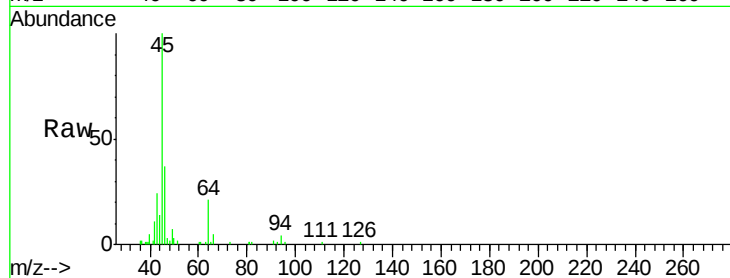
45 100

46 41.8 16.6 66.4

Manual Integrations
APPROVED

MMDadoda

8/5/2021 4:39:10 PM



#14

Bromoethene

Concen: 8.427 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

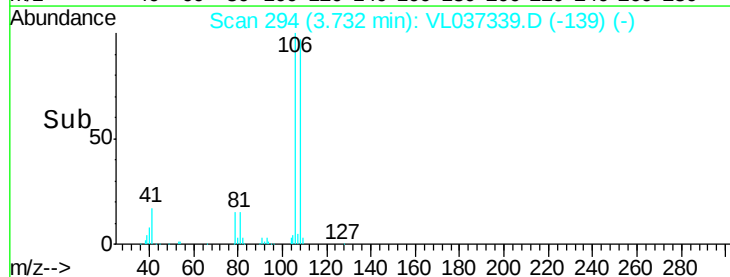
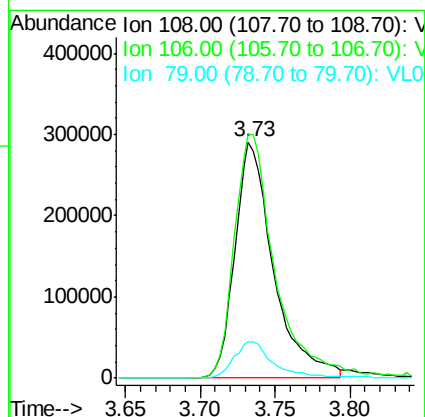
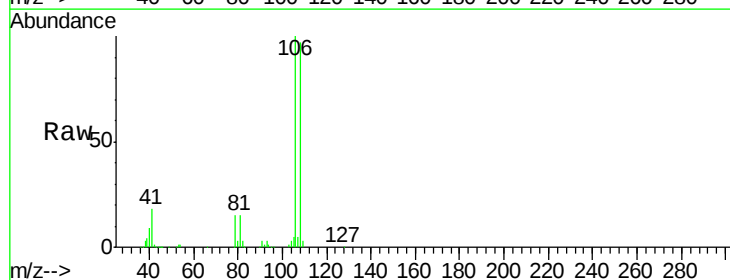
Tgt Ion: 108 Resp: 522042

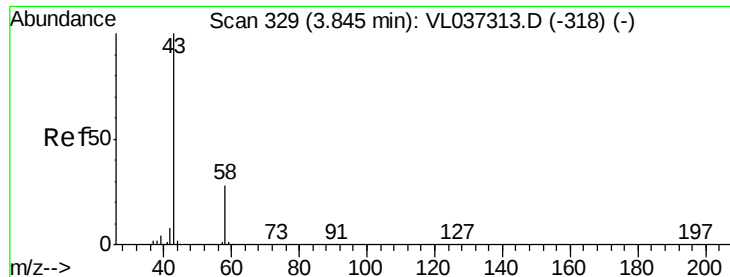
Ion Ratio Lower Upper

108 100

106 111.6 86.9 130.3

79 16.4 12.3 18.5





#15

Acetone

Concen: 9.772 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1084567

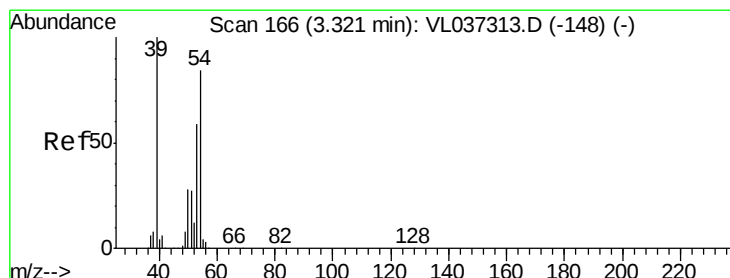
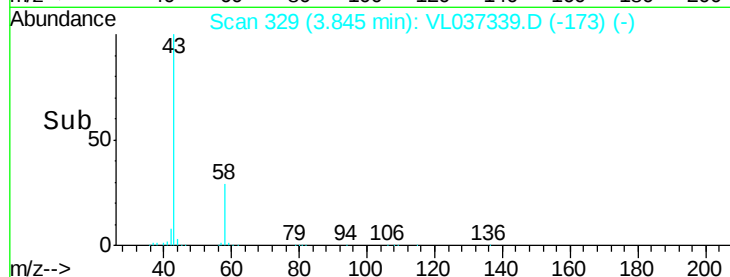
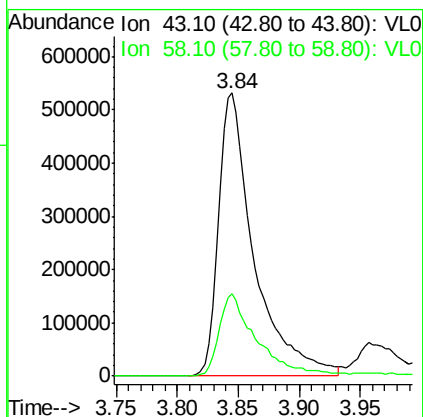
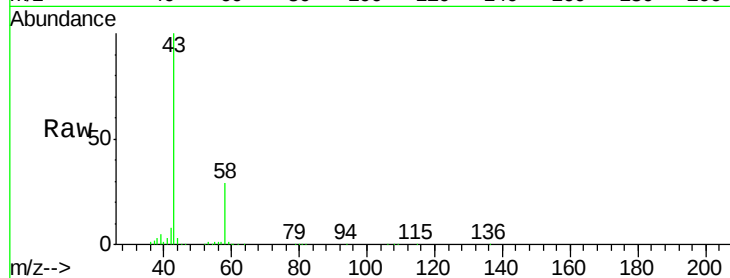
Ion Ratio Lower Upper

43 100

58 31.0 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM



#16

1,3-Butadiene

Concen: 8.709 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037339.D

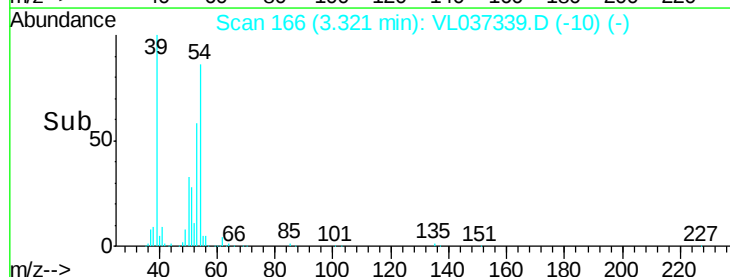
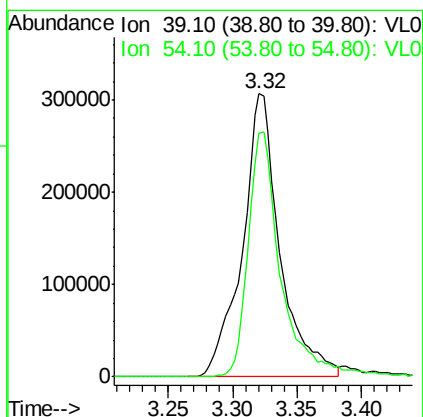
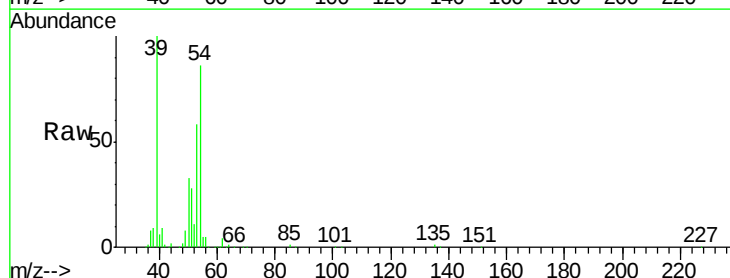
Acq: 5 Aug 2021 11:55

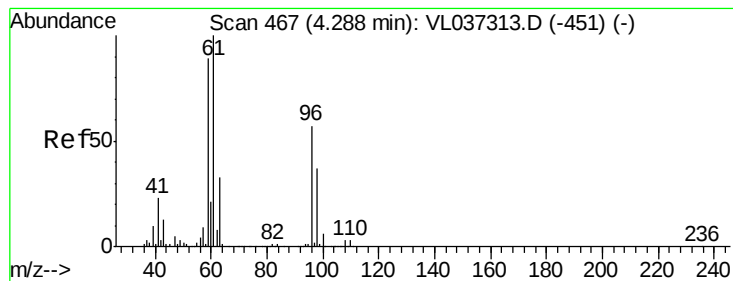
Tgt Ion: 39 Resp: 622655

Ion Ratio Lower Upper

39 100

54 76.2 66.1 99.1





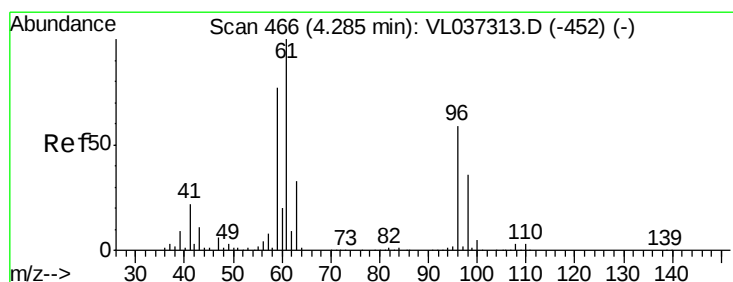
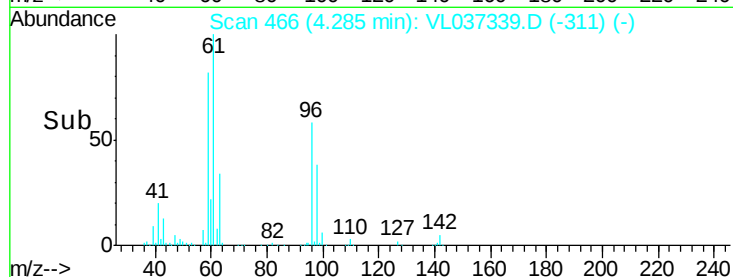
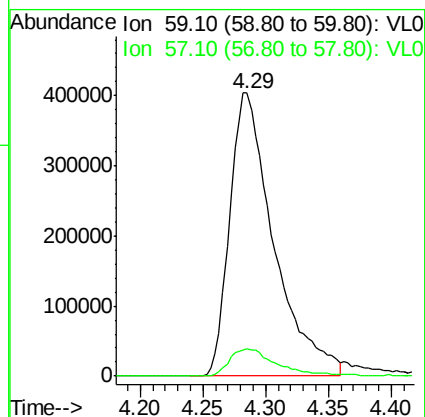
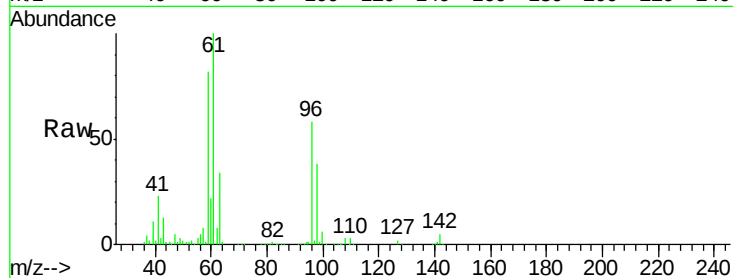
#17
tert-Butyl alcohol
Concen: 8.840 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 985397
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

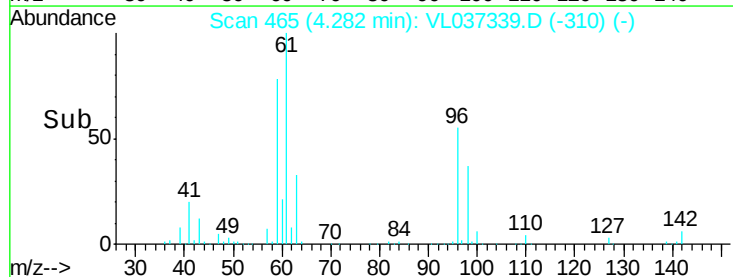
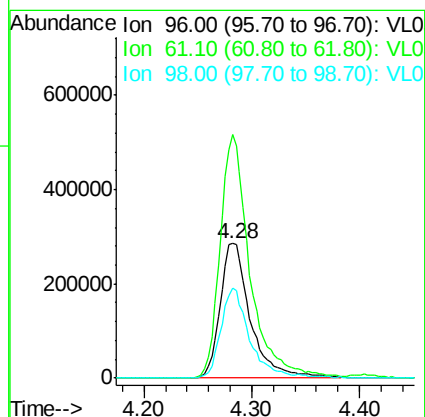
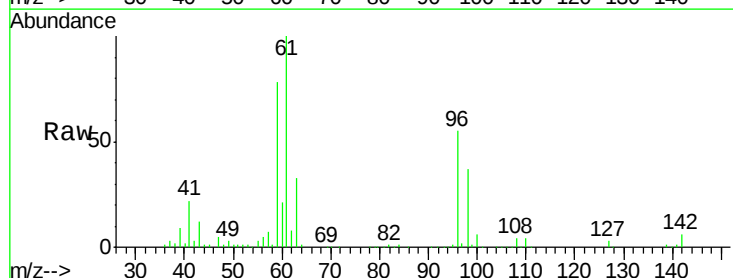
Manual Integrations
APPROVED

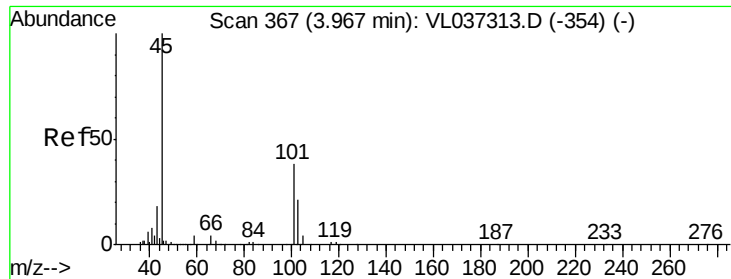
MMDadoda
8/5/2021 4:39:10 PM



#18
1,1-Dichloroethene
Concen: 8.812 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 96 Resp: 558550
Ion Ratio Lower Upper
96 100
61 181.2 135.7 203.5
98 67.5 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.111 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 559657

Ion Ratio Lower Upper

45 100

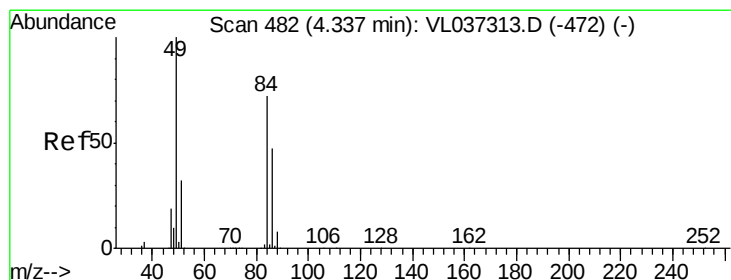
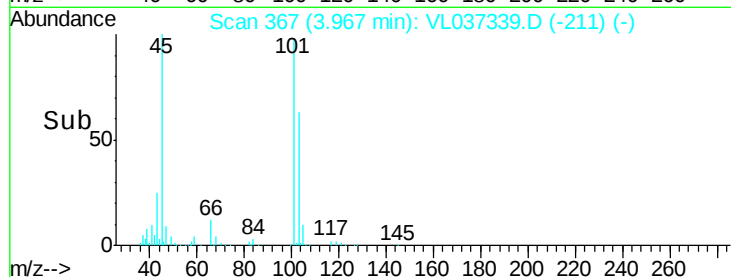
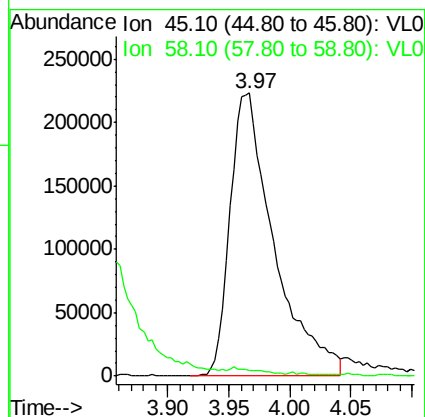
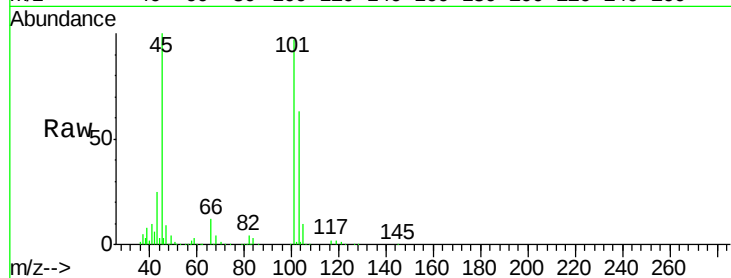
58 63.1 1.8 2.8#

Manual Integrations

APPROVED

MMDadoda

8/5/2021 4:39:10 PM



#20

Methylene Chloride

Concen: 5.023 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion: 84 Resp: 461565

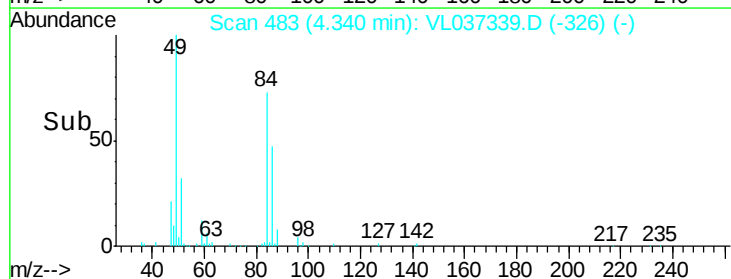
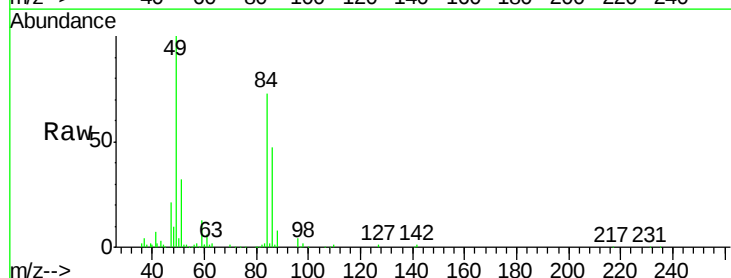
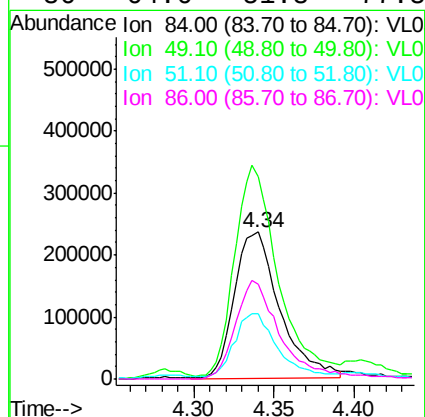
Ion Ratio Lower Upper

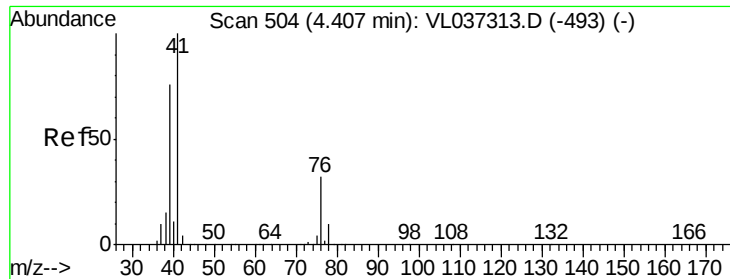
84 100

49 134.9 110.4 165.6

51 42.5 35.8 53.6

86 64.6 51.8 77.8





#21

Allvl Chloride

Concen: 7.482 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

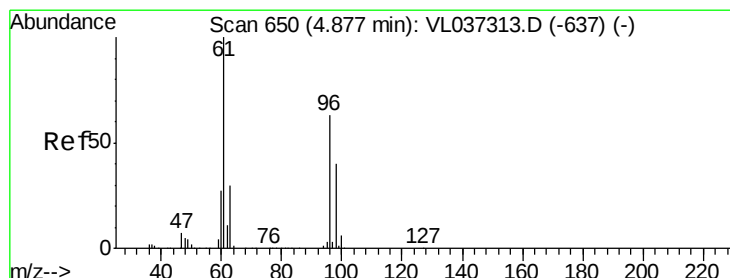
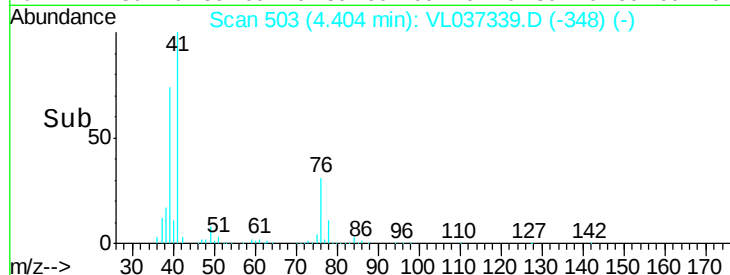
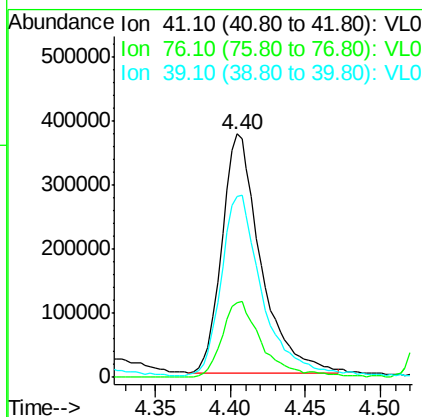
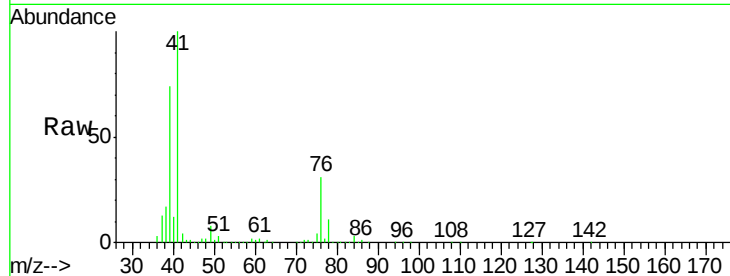
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	672189
Ion	Ratio	Lower	Upper
41	100		
76	33.0	25.7	38.5
39	84.1	59.0	88.4

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM



#22

trans-1,2-Dichloroethene

Concen: 9.226 ppbv

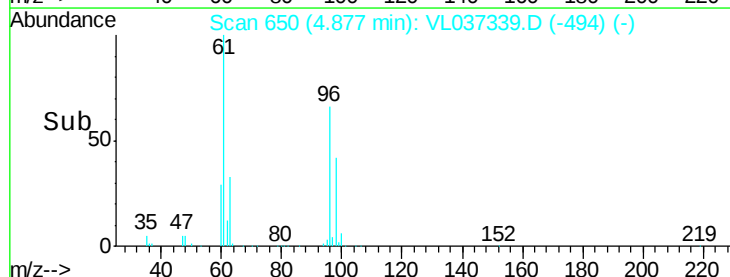
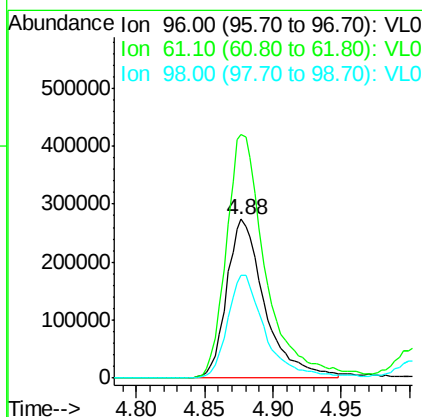
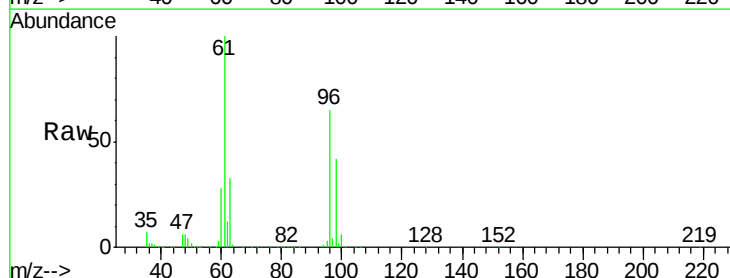
RT: 4.88 min Scan# 650

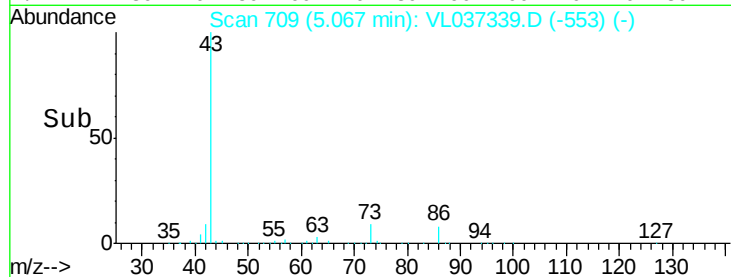
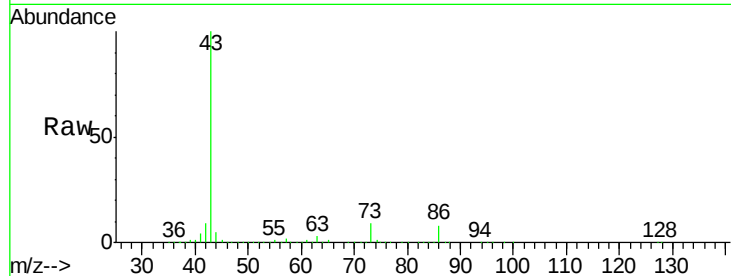
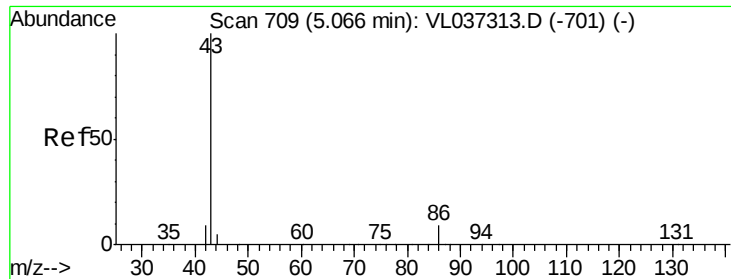
Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion:	96	Resp:	532751
Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.7	190.1
98	64.5	50.9	76.3





#23

Vinyl Acetate

Concen: 9.973 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tot Ion: 43 Resp: 1671557

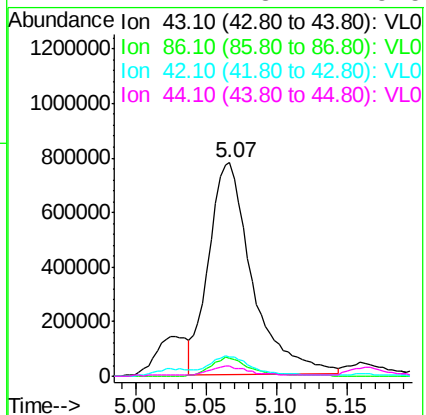
Ion Ratio Lower Upper

43 100

86 8.4 6.2 9.2

42 9.1 7.7 11.5

44 4.4 3.7 5.5



Instrument :

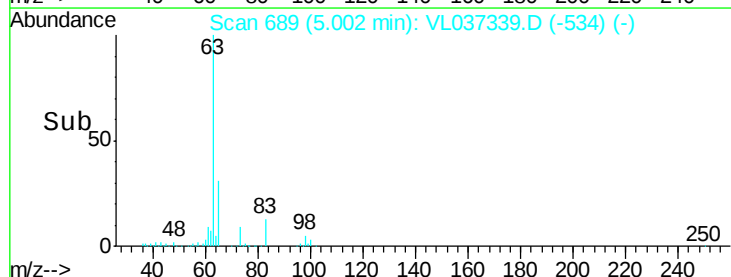
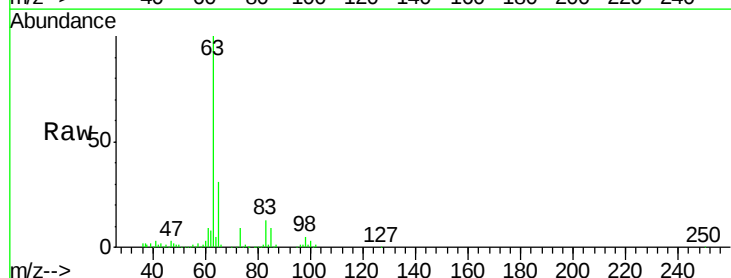
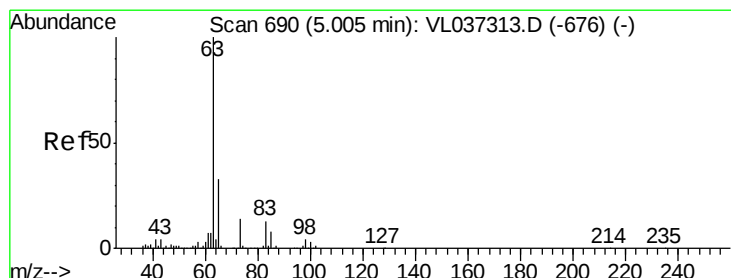
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM



#24

1,1-Dichloroethane

Concen: 8.481 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

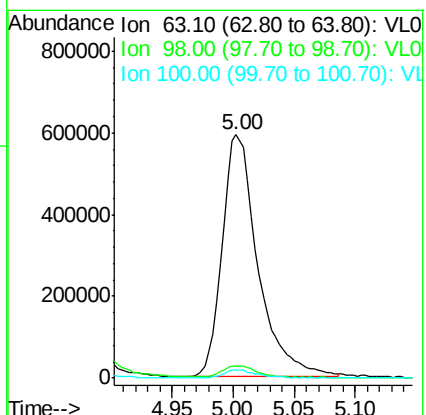
Tgt Ion: 63 Resp: 1215446

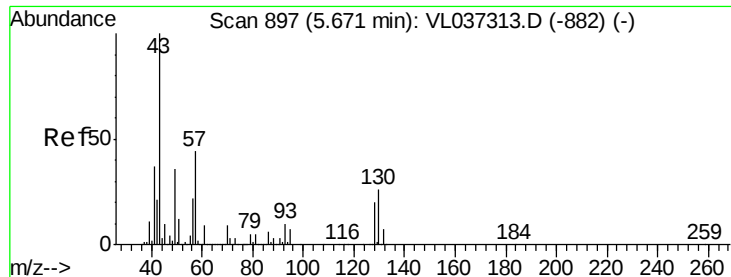
Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.2

100 3.1 1.5 4.4





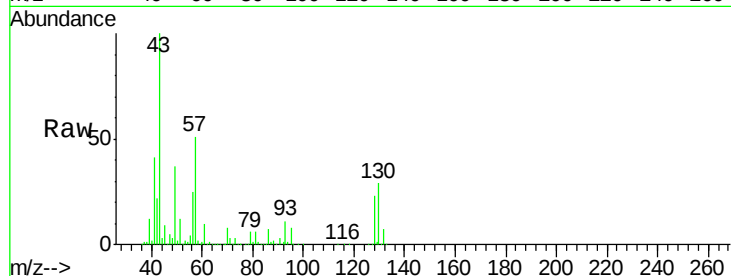
#25
Ethyl Acetate
Concen: 7.467 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

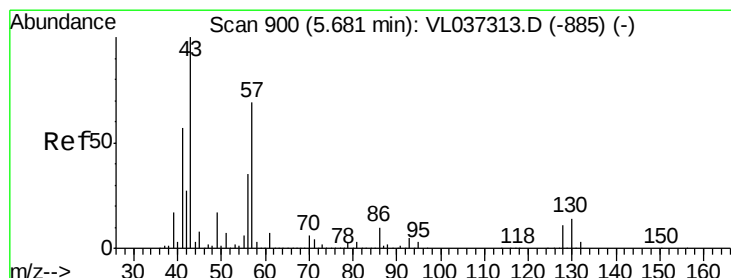
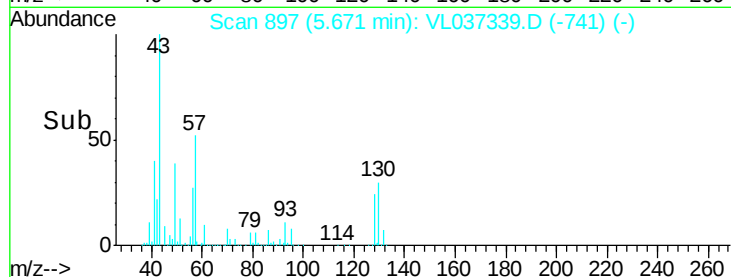
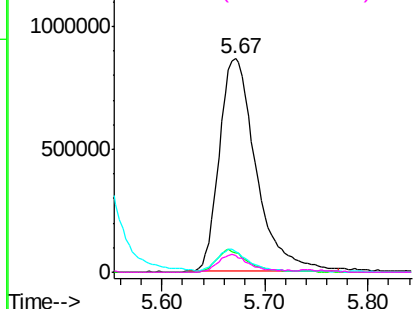
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.5	7.8	11.8	
61	10.0	8.6	12.8	
70	7.0	5.9	8.9	

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM

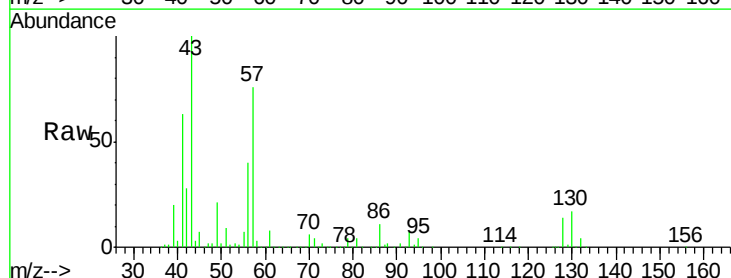


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

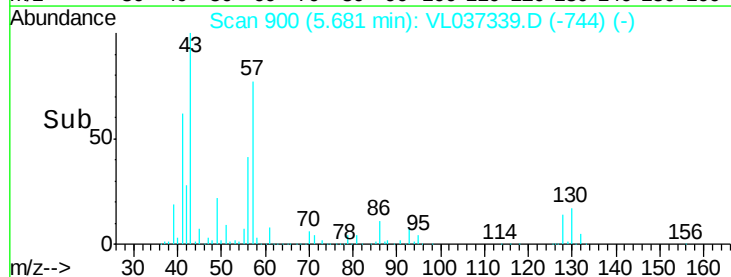
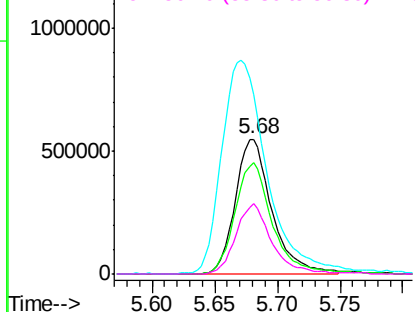


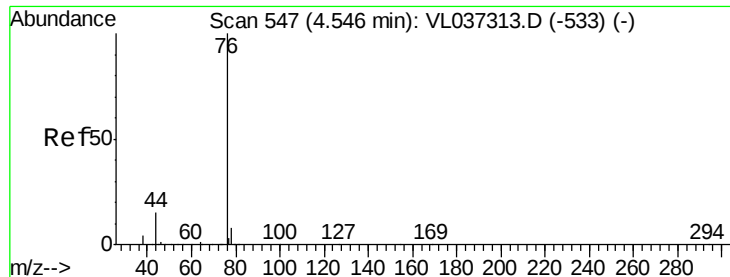
#26
Hexane
Concen: 6.886 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.7	67.5	101.3	
43	196.9	163.0	244.4	
56	51.8	41.5	62.3	



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





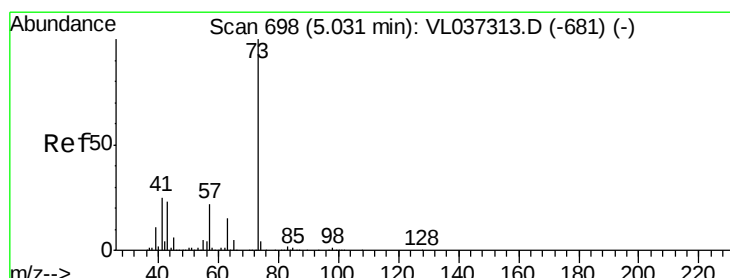
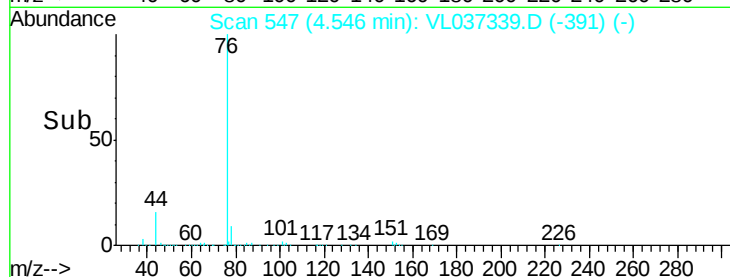
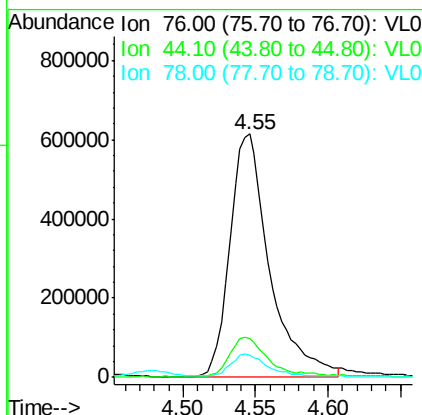
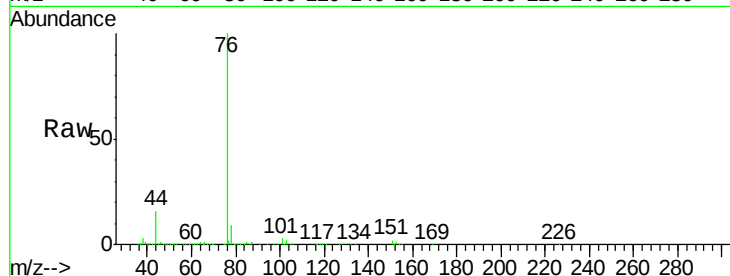
#27
Carbon Disulfide
Concen: 8.852 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	16.5	13.1	19.7
78	9.8	8.0	12.0

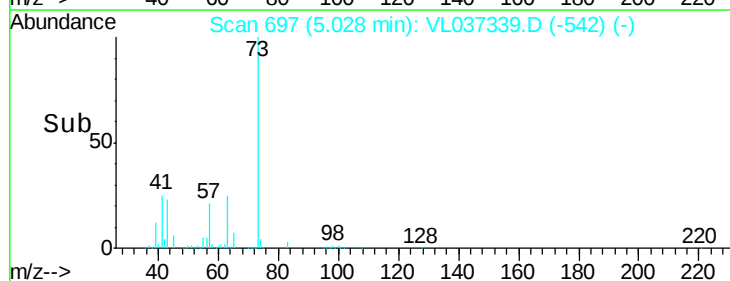
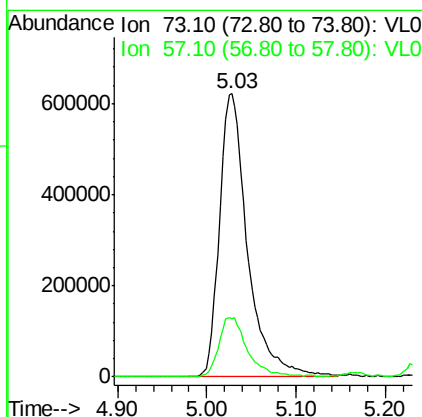
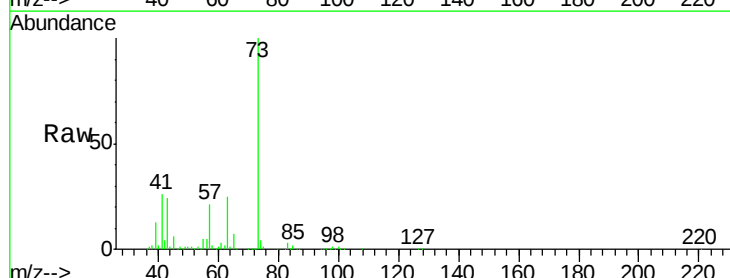
Manual Integrations
APPROVED

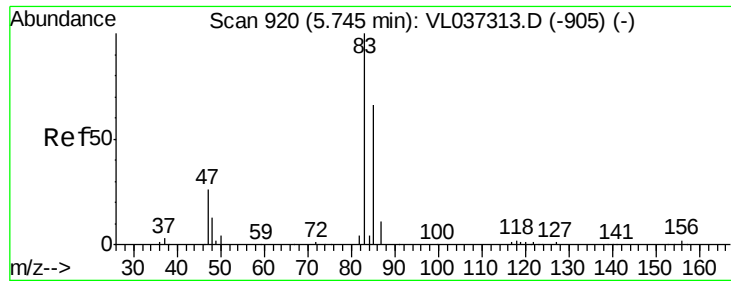
MMDadoda
8/5/2021 4:39:10 PM



#28
Methyl tert-Butyl Ether
Concen: 7.924 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.2	27.4





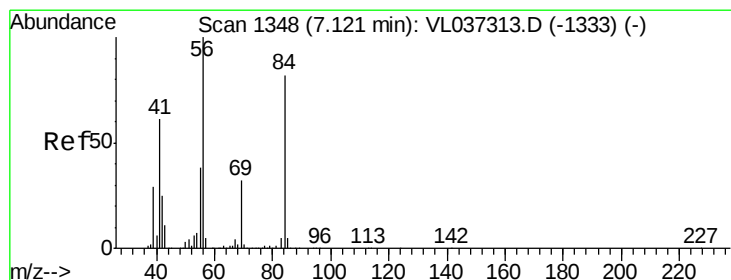
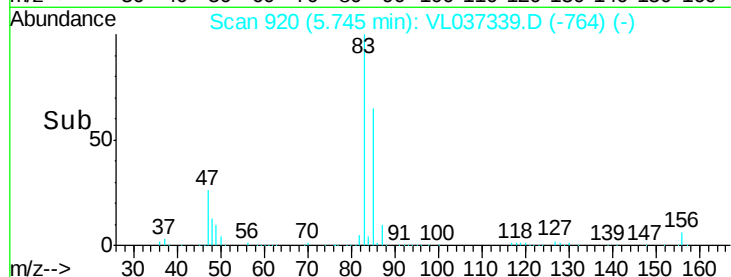
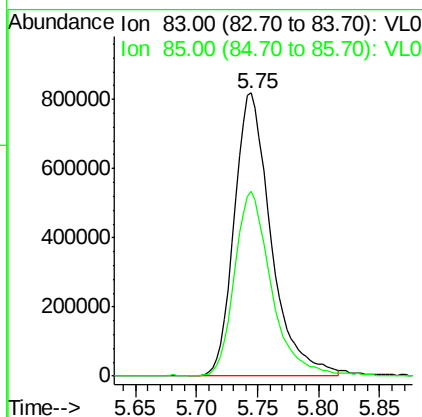
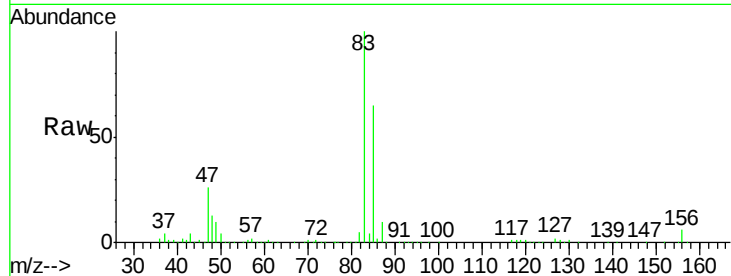
#29
Chloroform
Concen: 8.389 ppbv
RT: 5.75 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1715659
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0

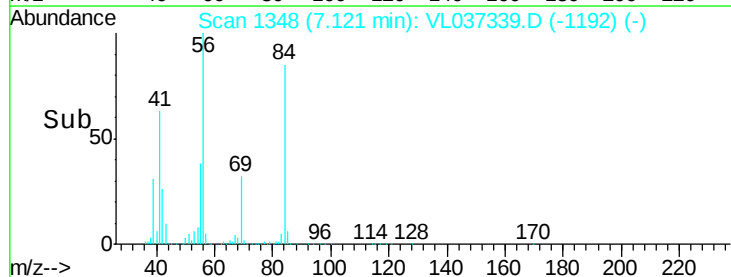
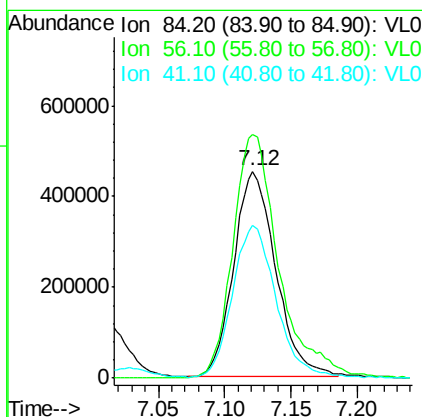
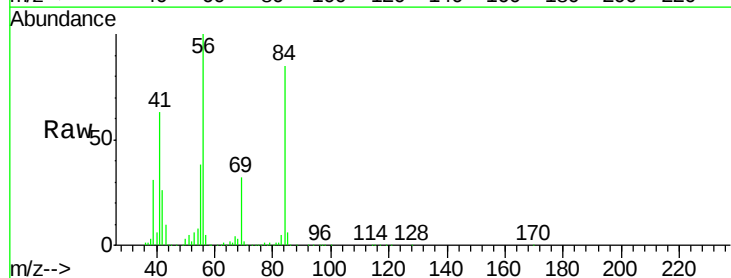
Manual Integrations
APPROVED

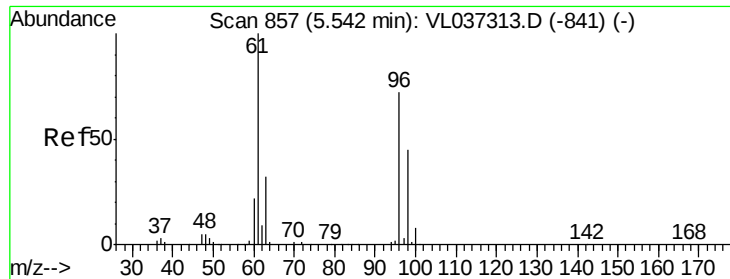
MMDadoda
8/5/2021 4:39:10 PM



#30
Cyclohexane
Concen: 8.019 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 84 Resp: 998660
Ion Ratio Lower Upper
84 100
56 130.6 105.2 157.8
41 77.9 61.3 91.9





#31

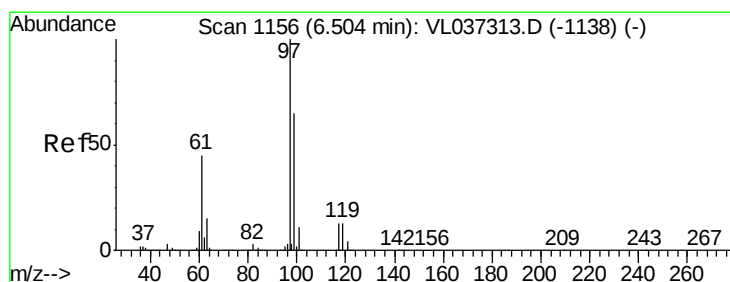
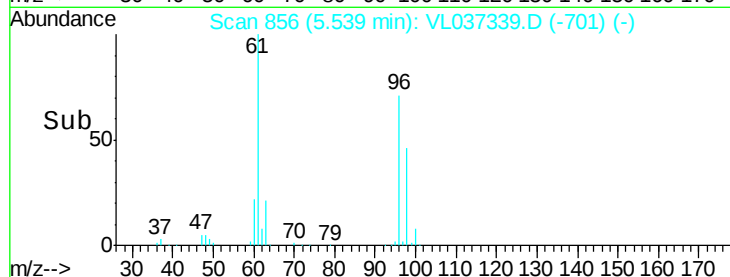
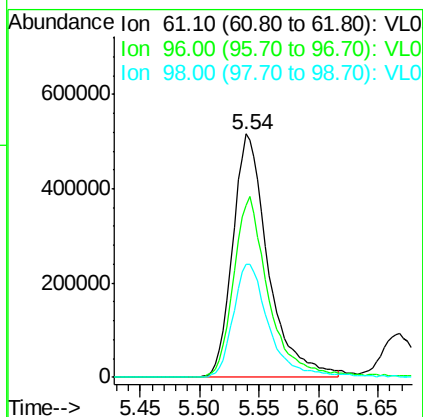
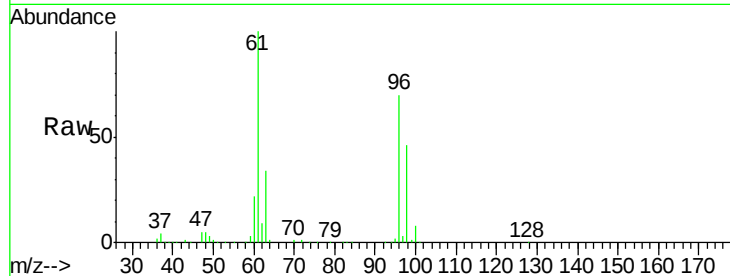
cis-1,2-Dichloroethene
Concen: 8.472 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.4	57.4	86.0
98	46.1	36.3	54.5

Manual Integrations
APPROVED

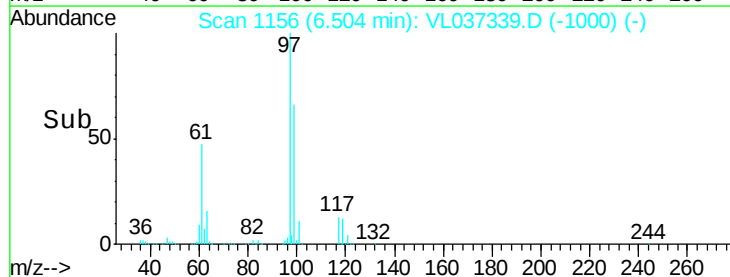
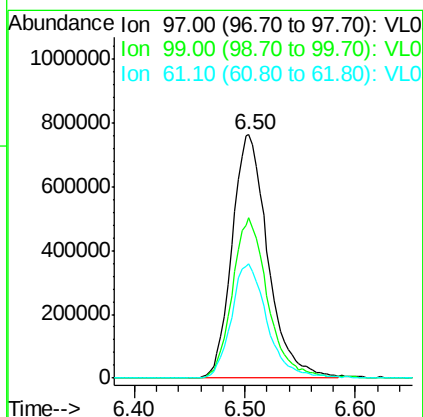
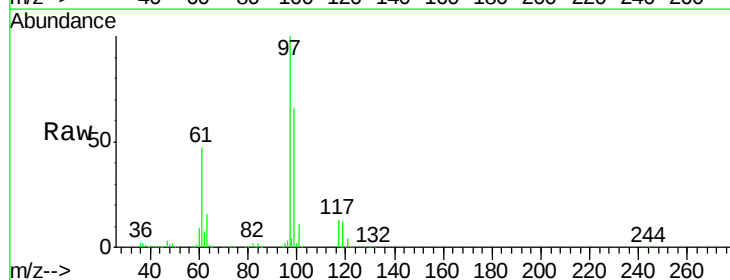
MMDadoda
8/5/2021 4:39:10 PM

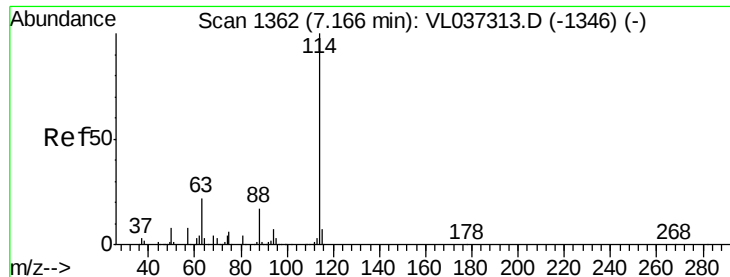


#32

1,1,1-Trichloroethane
Concen: 8.842 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	47.1	37.2	55.8





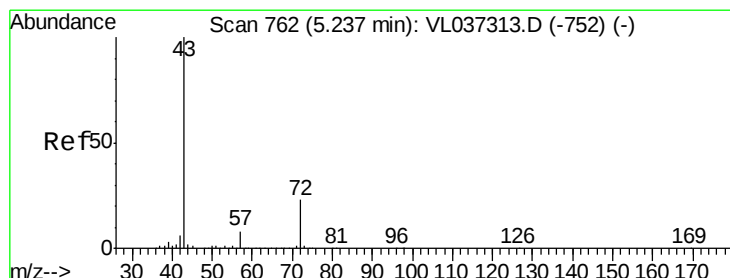
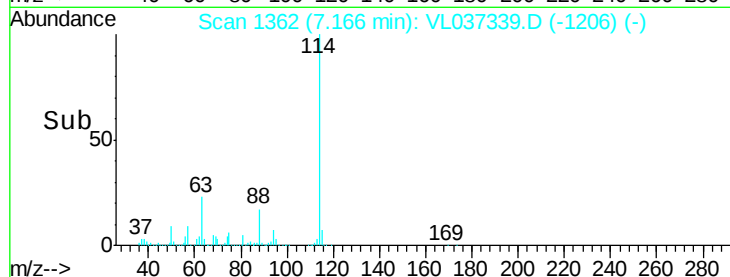
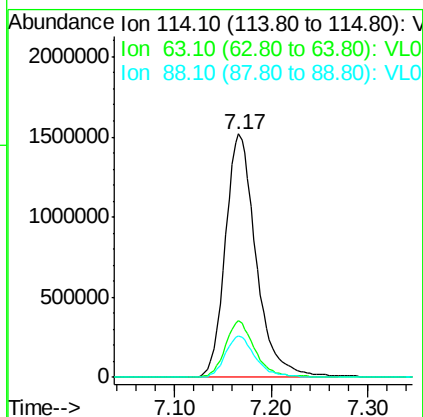
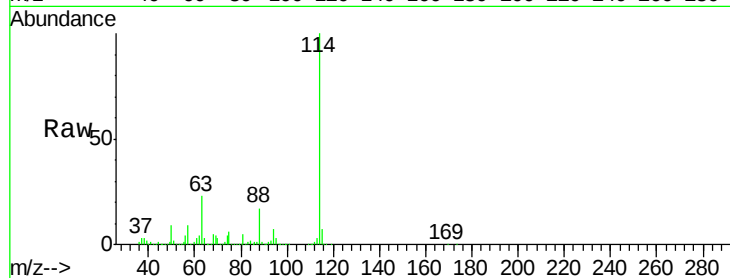
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.1	27.1
88	16.8	13.8	20.8

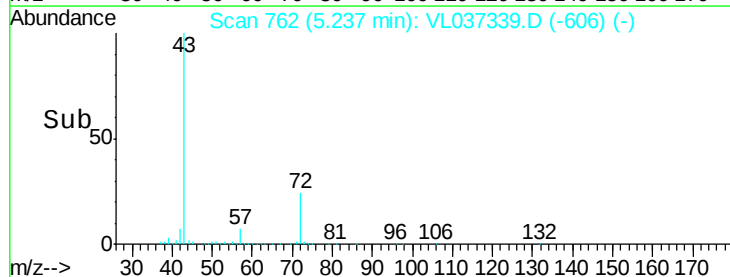
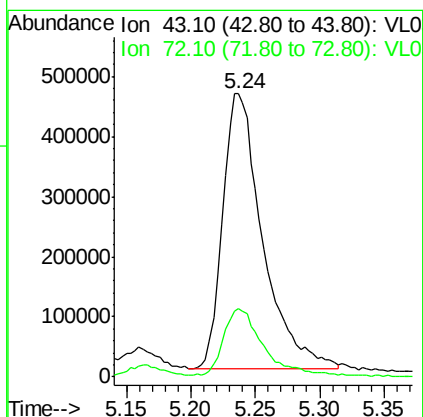
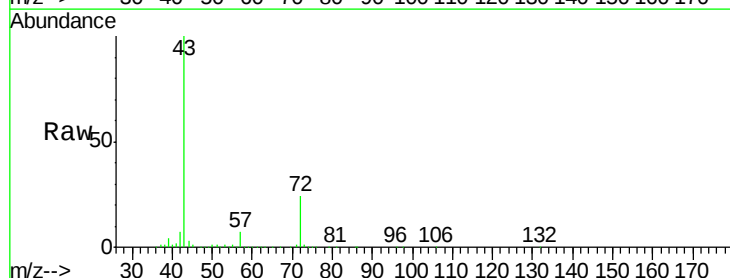
Manual Integrations
 APPROVED

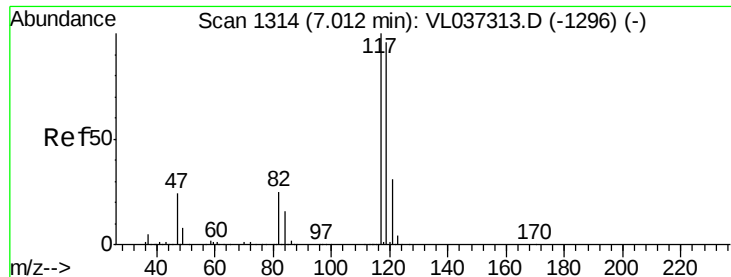
MMDadoda
 8/5/2021 4:39:10 PM



#34
 2-Butanone
 Concen: 8.494 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.3	30.5





#35

Carbon Tetrachloride

Concen: 9.031 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1807497

Ion Ratio Lower Upper

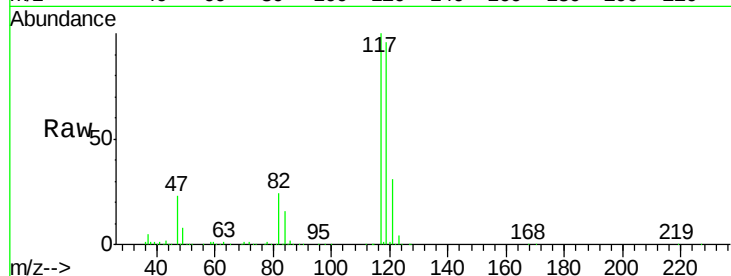
117 100

119 95.9 76.6 114.8

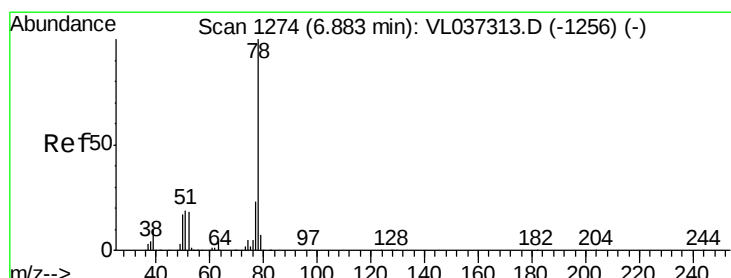
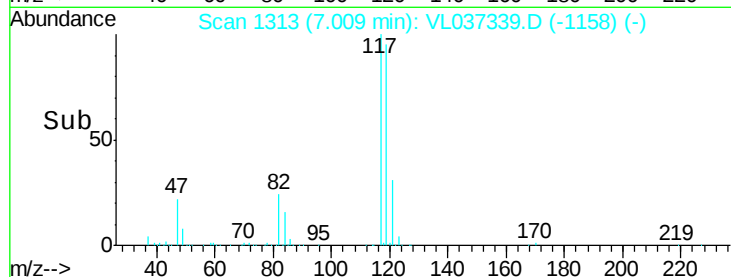
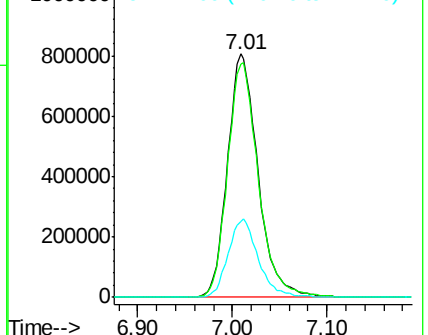
121 31.4 24.9 37.3

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 7.965 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

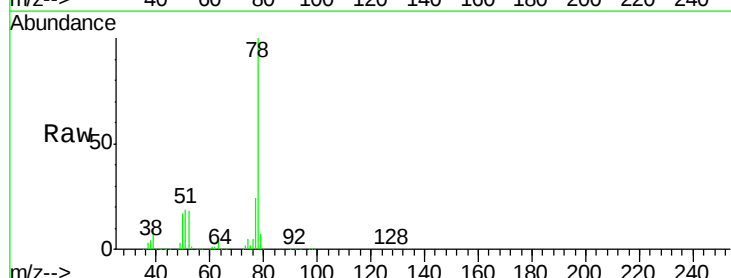
Tgt Ion: 78 Resp: 2403918

Ion Ratio Lower Upper

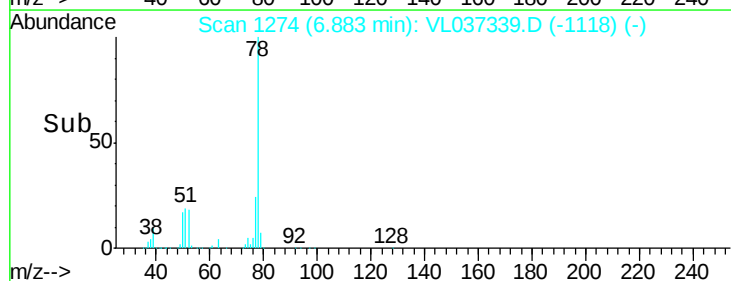
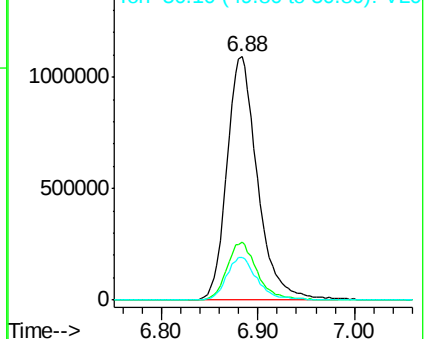
78 100

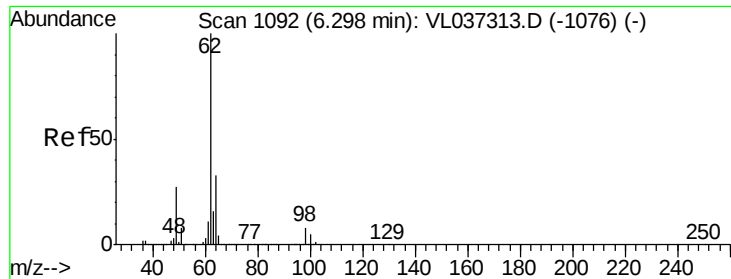
77 23.7 18.7 28.1

50 17.4 13.7 20.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





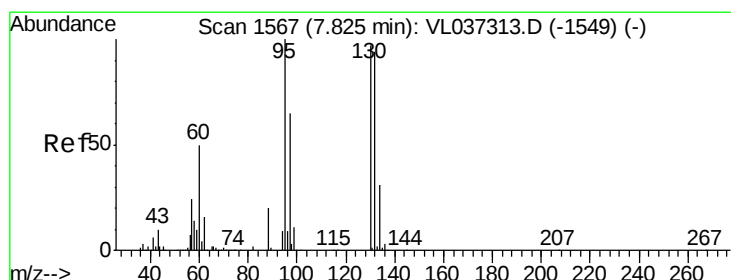
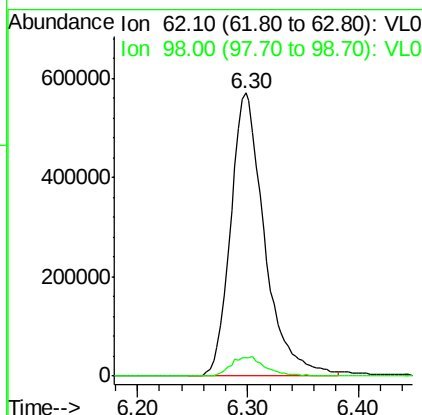
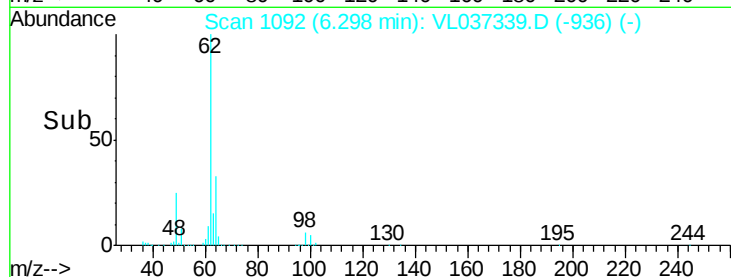
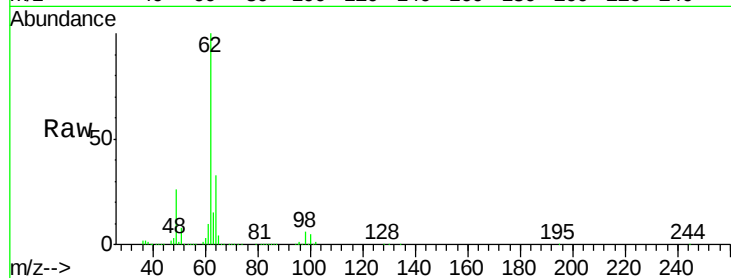
#37
 1,2-Dichloroethane
 Concen: 8.777 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1218489
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.3 9.5

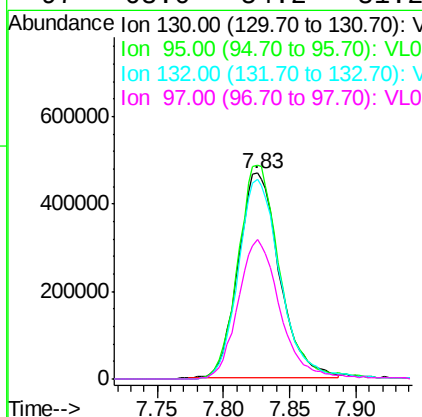
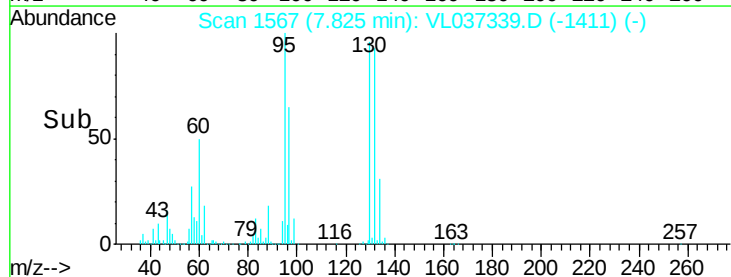
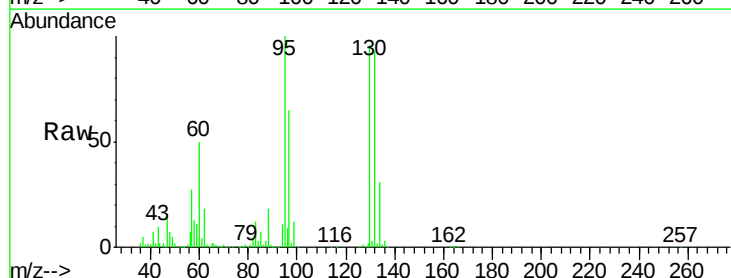
Manual Integrations
 APPROVED

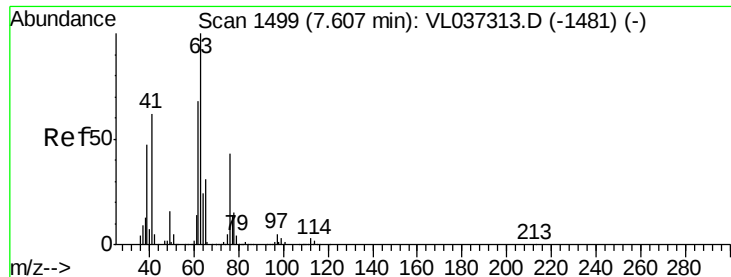
MMDadoda
 8/5/2021 4:39:10 PM



#38
 Trichloroethene
 Concen: 7.730 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion: 130 Resp: 1021004
 Ion Ratio Lower Upper
 130 100
 95 104.3 82.8 124.2
 132 97.2 78.2 117.4
 97 68.0 54.2 81.2





#39

1,2-Dichloropropane

Concen: 7.903 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

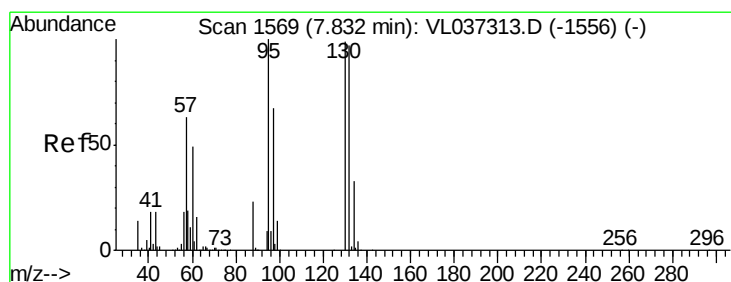
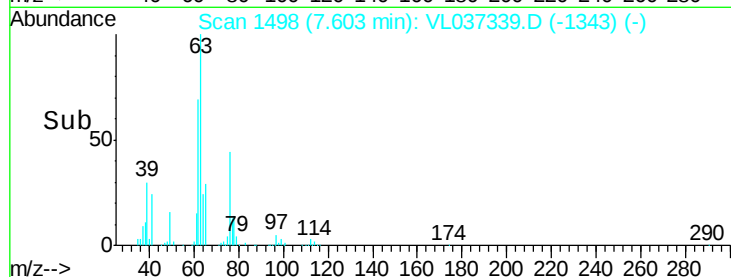
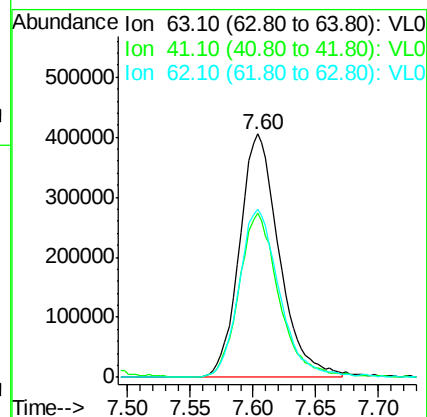
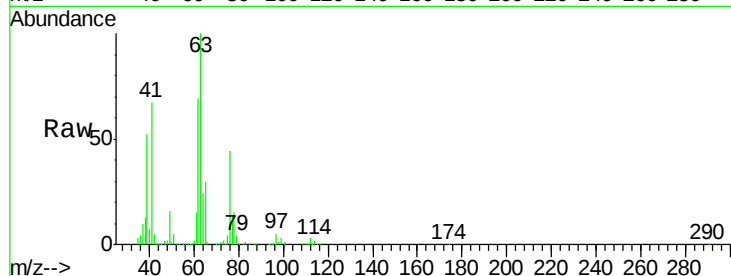
VSTDCCC010EC

Tot Ion: 63 Resp: 888196

Ion	Ratio	Lower	Upper
63	100		
41	67.2	49.2	73.8
62	69.1	54.2	81.4

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM



#40

1,4-Dioxane

Concen: 7.596 ppbv

RT: 7.83 min Scan# 1567

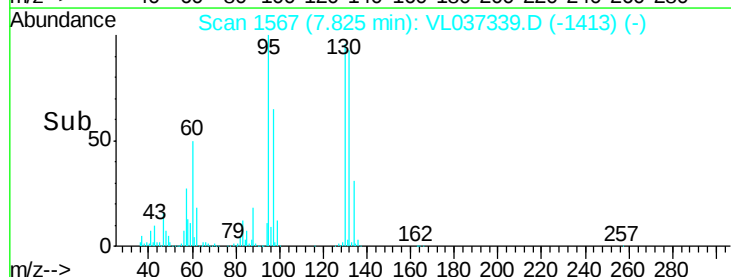
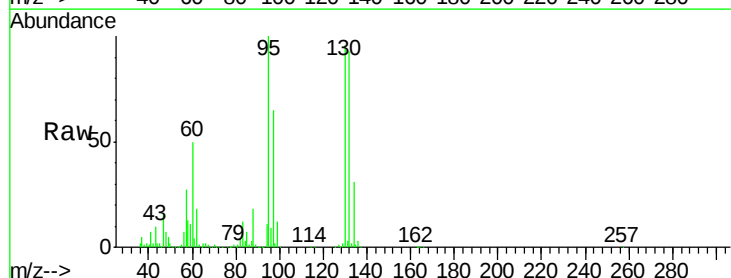
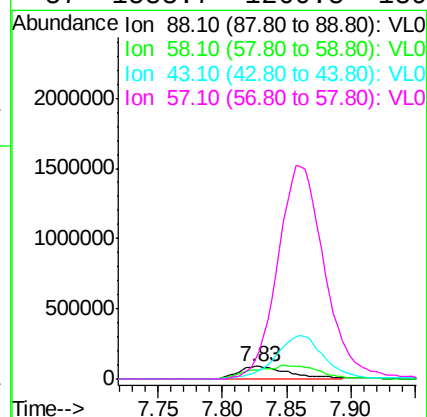
Delta R.T. -0.01 min

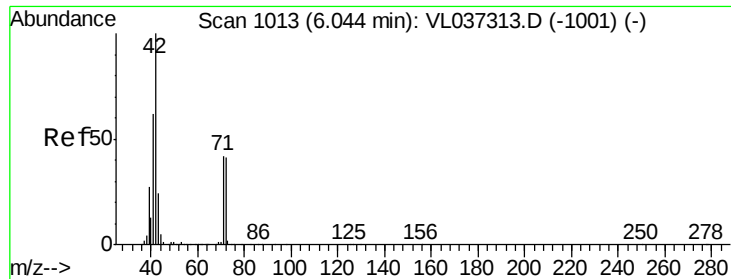
Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion: 88 Resp: 245583

Ion	Ratio	Lower	Upper
88	100		
58	145.0	117.5	176.3
43	335.1	271.0	406.4
57	1583.7	1260.8	1891.2





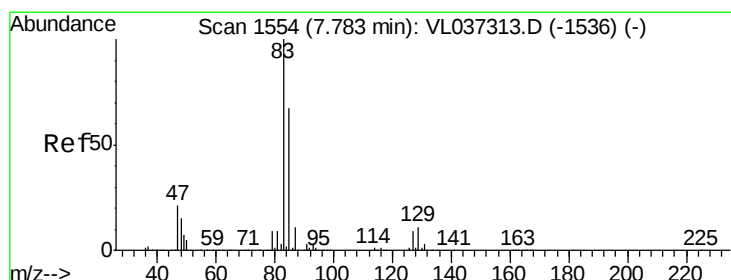
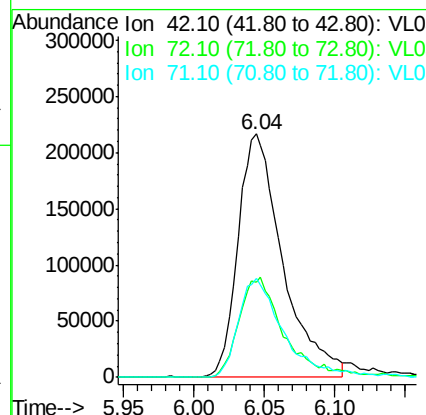
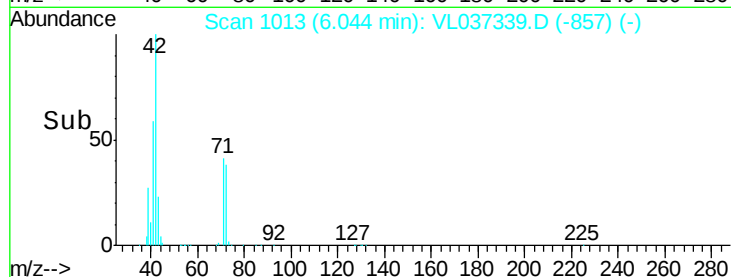
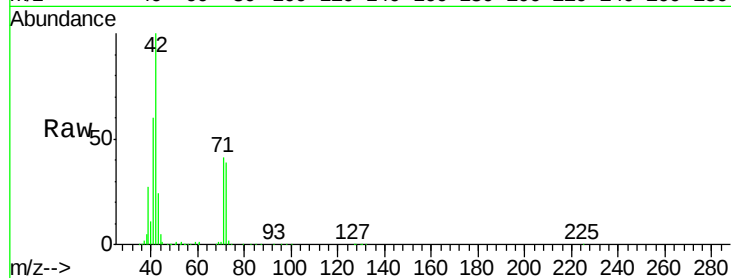
#41
Tetrahydrofuran
Concen: 7.402 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.6	50.4
71	42.2	33.0	49.4

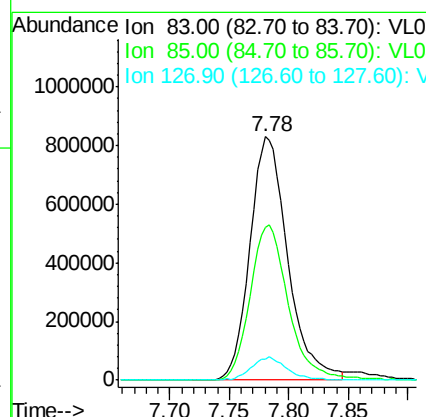
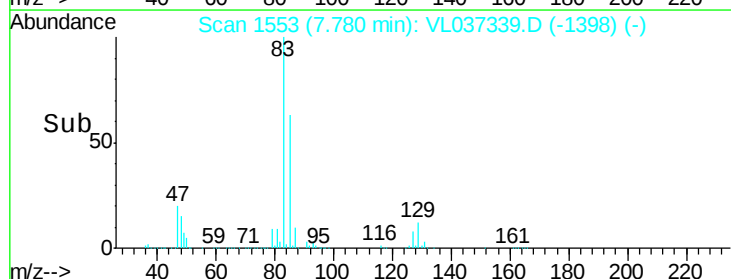
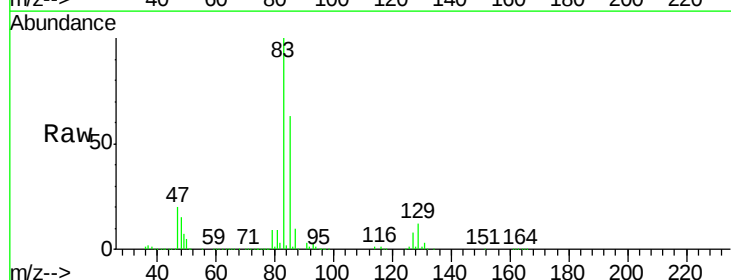
Manual Integrations
APPROVED

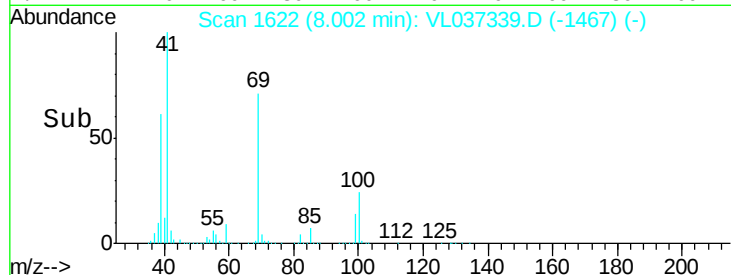
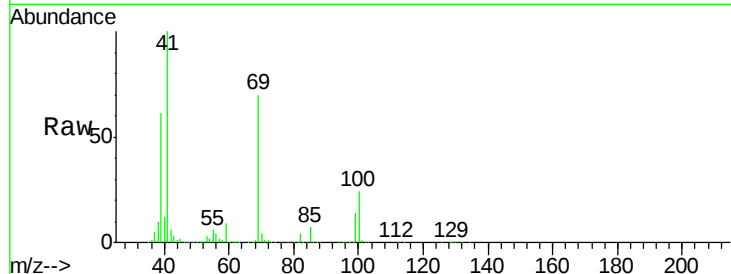
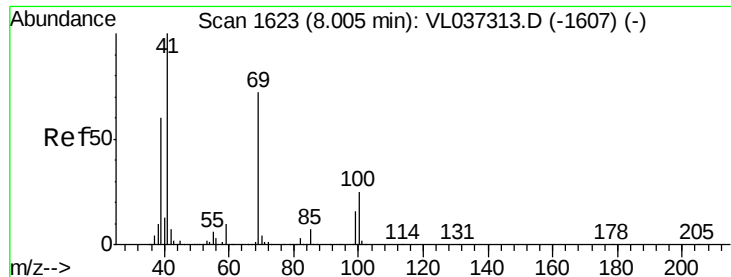
MMDadoda
8/5/2021 4:39:10 PM



#42
Bromodichloromethane
Concen: 8.736 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.5	80.3
127	8.4	7.1	10.7





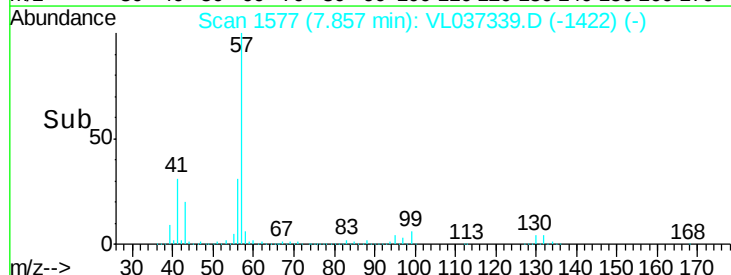
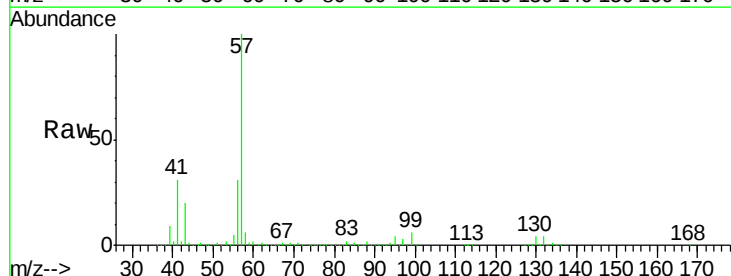
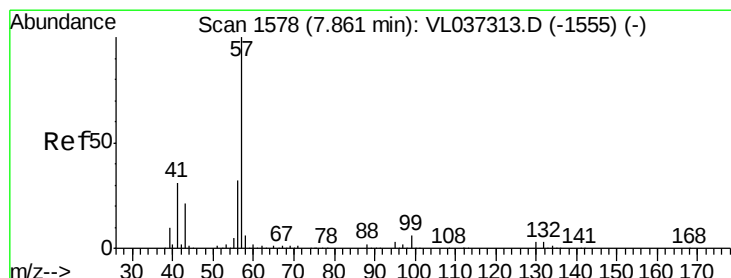
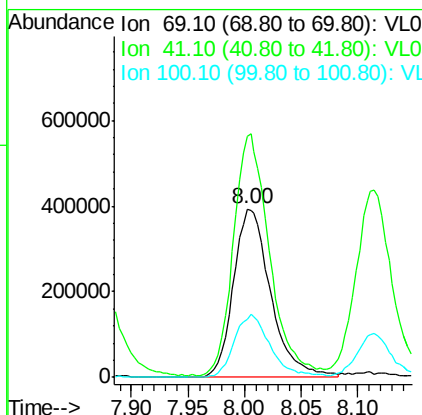
#43
Methvl Methacrylate
Concen: 8.825 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tot Ion	Ratio	Lower	Upper
69	100		
41	140.1	114.6	172.0
100	36.3	29.4	44.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

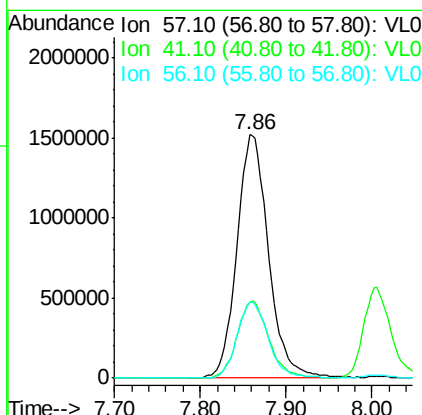
Manual Integrations
APPROVED

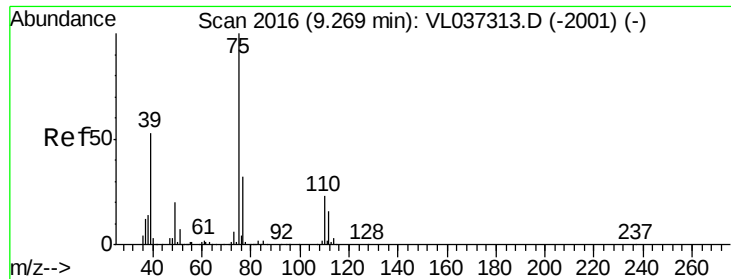
MMDadoda
8/5/2021 4:39:10 PM



#44
2,2,4-Trimethylpentane
Concen: 7.777 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.5	24.3	36.5
56	31.0	25.0	37.6





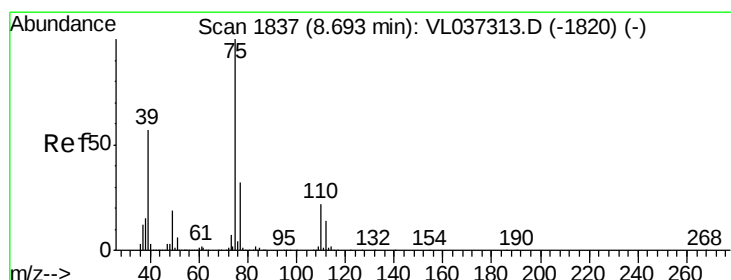
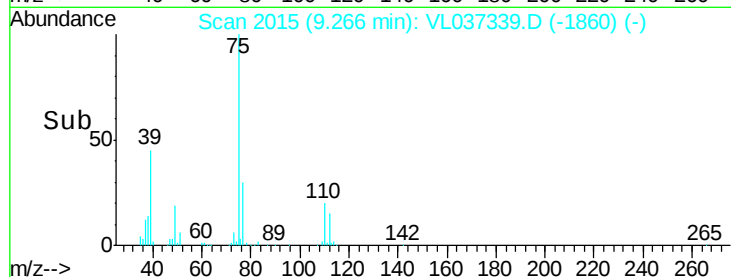
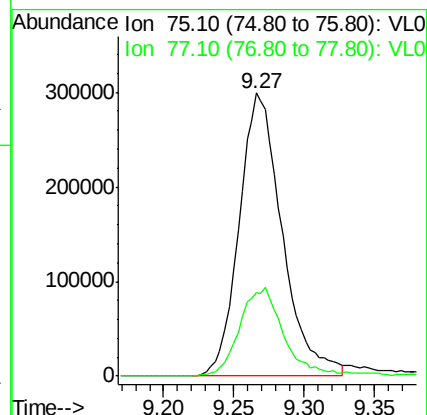
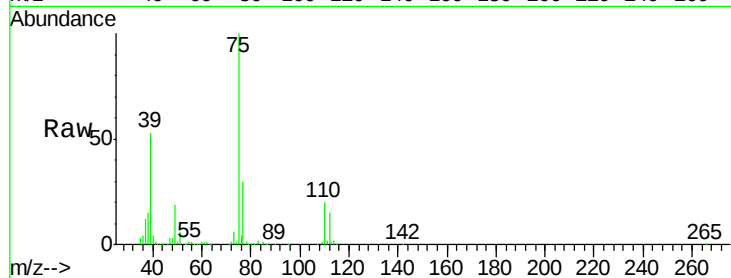
#45
 t-1,3-Dichloropropene
 Concen: 7.842 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 634271
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.7 38.5

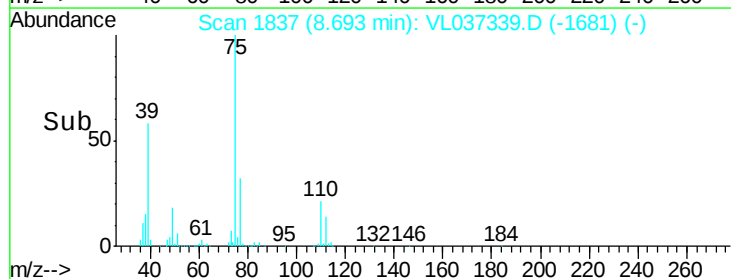
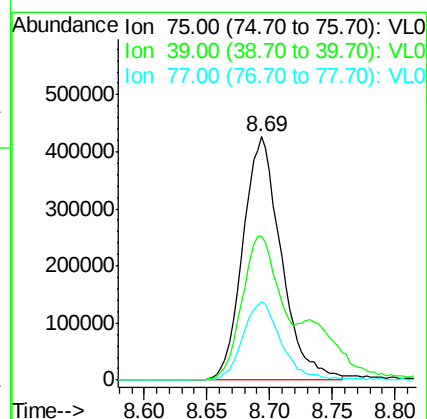
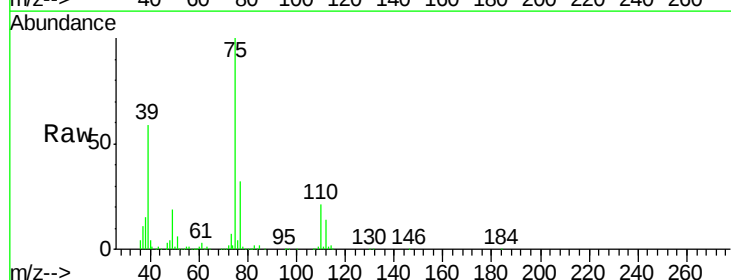
Manual Integrations
 APPROVED

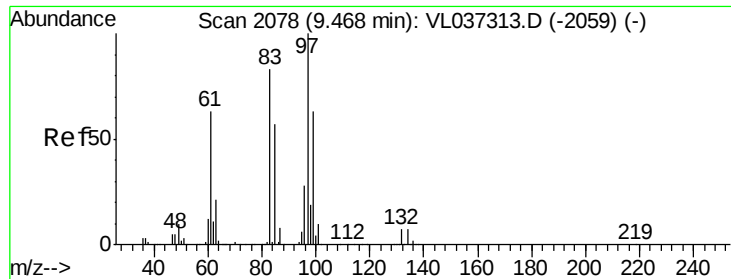
MMDadoda
 8/5/2021 4:39:10 PM



#46
 cis-1,3-Dichloropropene
 Concen: 7.783 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion: 75 Resp: 906271
 Ion Ratio Lower Upper
 75 100
 39 58.9 45.6 68.4
 77 32.3 25.4 38.0





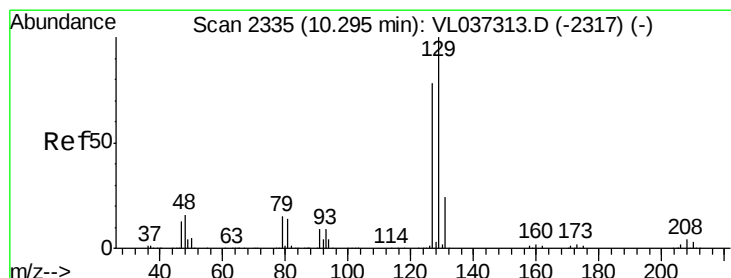
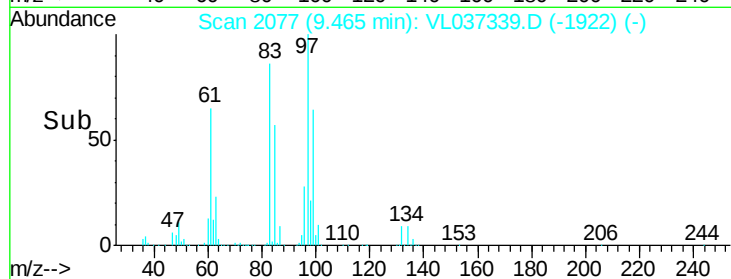
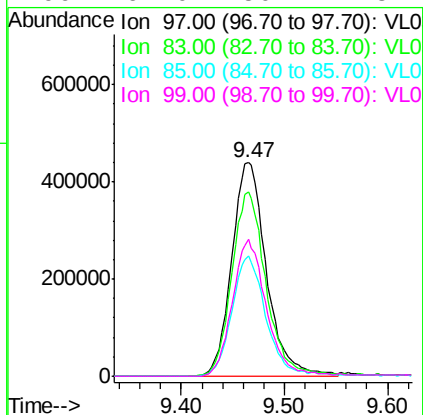
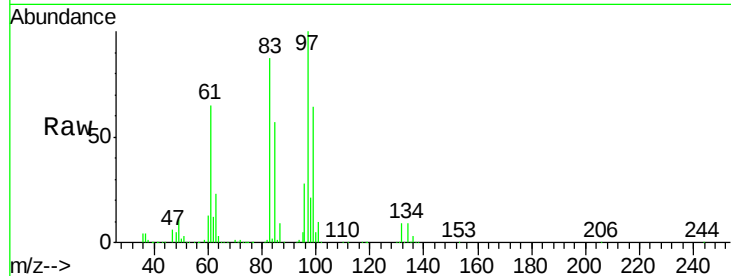
#47
 1,1,2-Trichloroethane
 Concen: 8.610 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1028785
Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.0	99.0
85	56.6	45.7	68.5
99	64.0	50.2	75.4

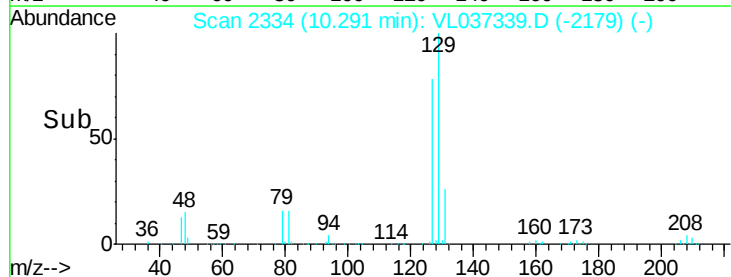
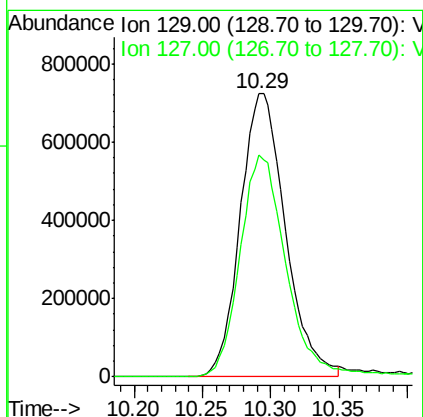
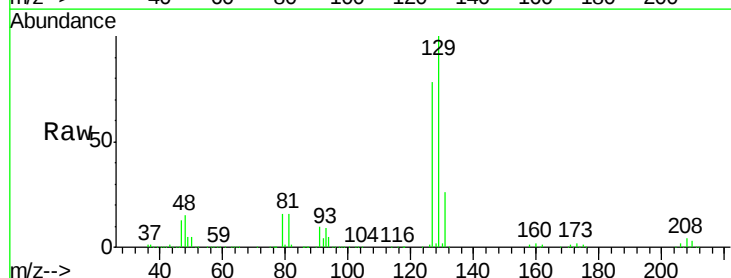
Manual Integrations
 APPROVED

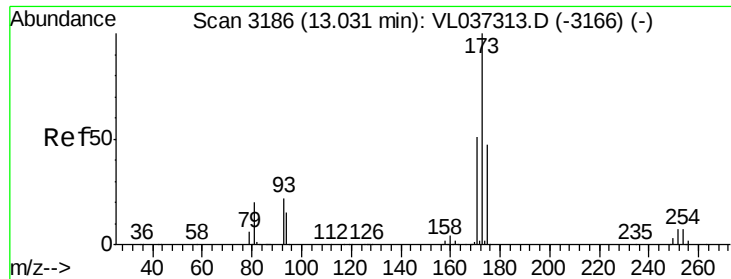
MMDadoda
 8/5/2021 4:39:10 PM



#48
 Dibromochloromethane
 Concen: 9.413 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion	129	Resp	1666860
Ion	Ratio	Lower	Upper
129	100		
127	82.0	40.9	122.7





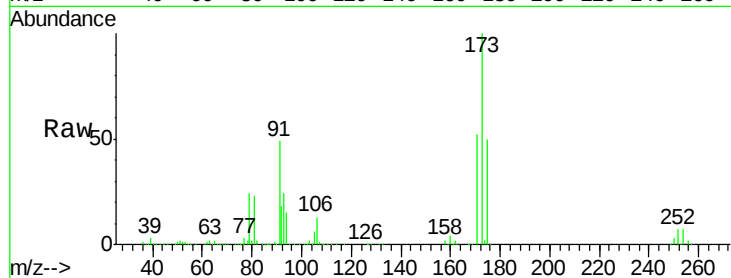
#49
Bromoform
Concen: 10.722 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

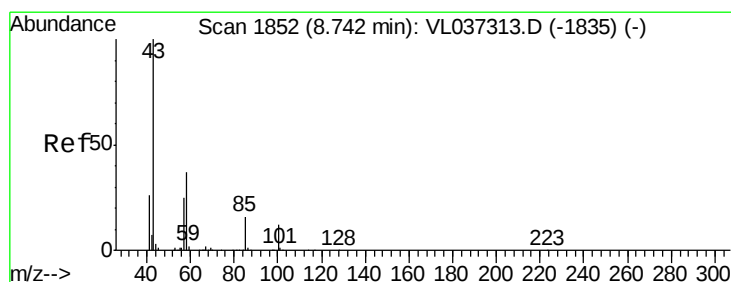
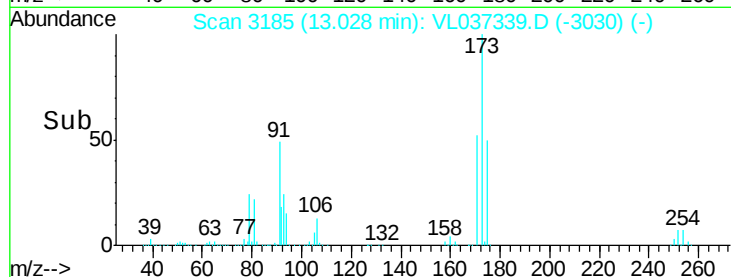
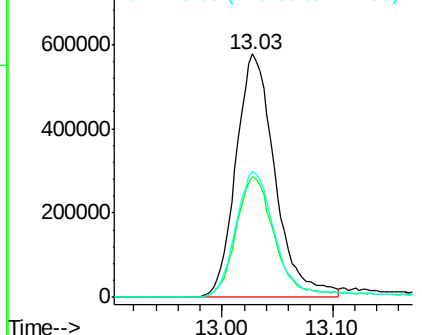
Tot Ion:173 Resp: 1423617
Ion Ratio Lower Upper
173 100
175 52.4 42.3 63.5
171 53.9 44.9 67.3

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 PM

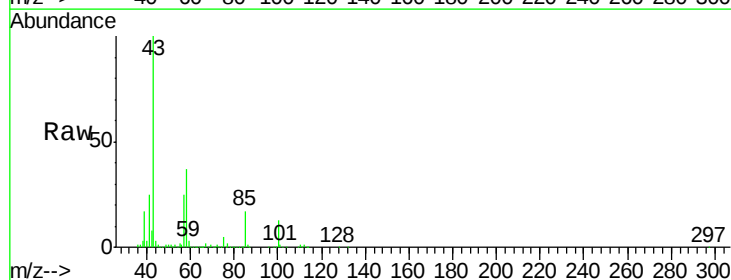


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

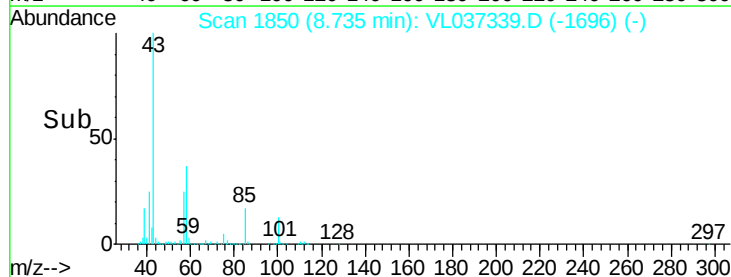
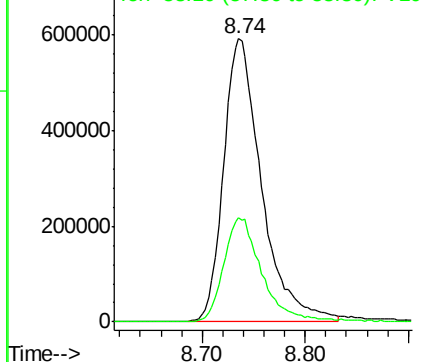


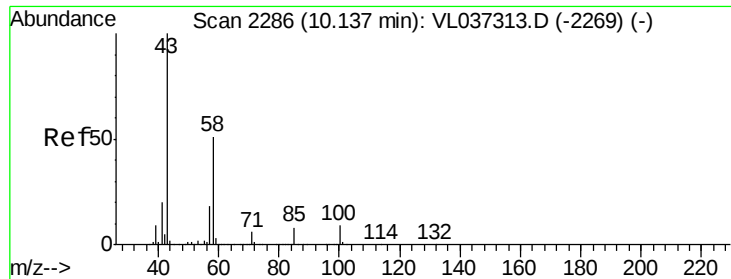
#50
4-Methyl-2-Pentanone
Concen: 8.492 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 43 Resp: 1513289
Ion Ratio Lower Upper
43 100
58 37.6 31.0 46.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





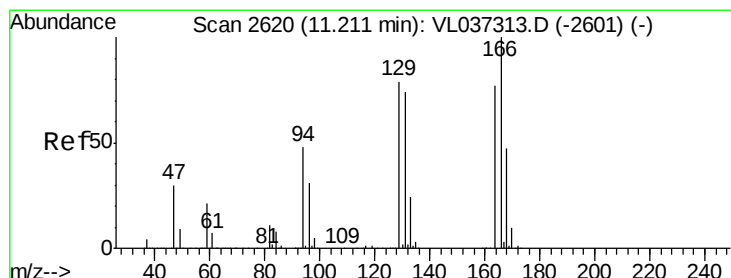
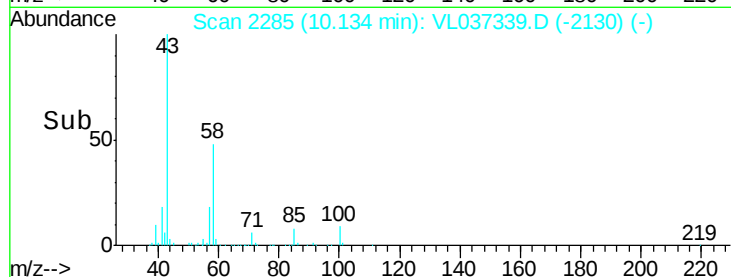
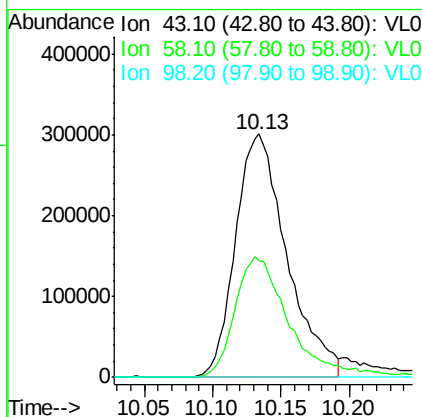
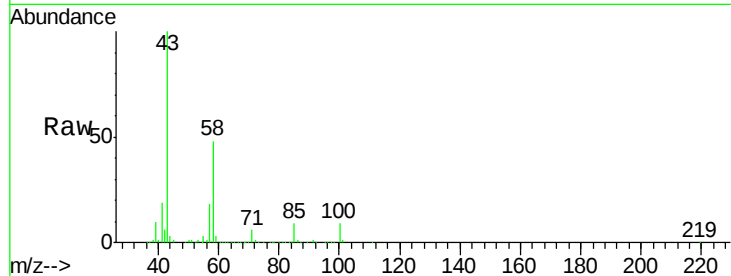
#51
2-Hexanone
Concen: 9.707 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	40.9	61.3
98	0.2	0.1	0.1#

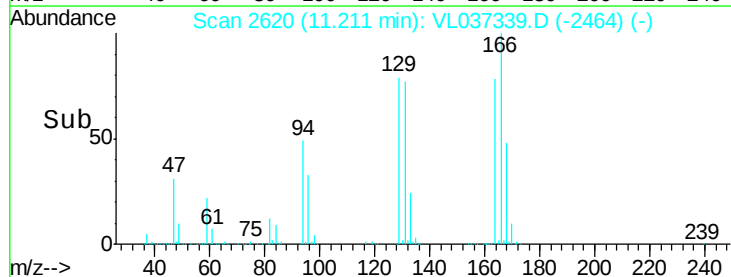
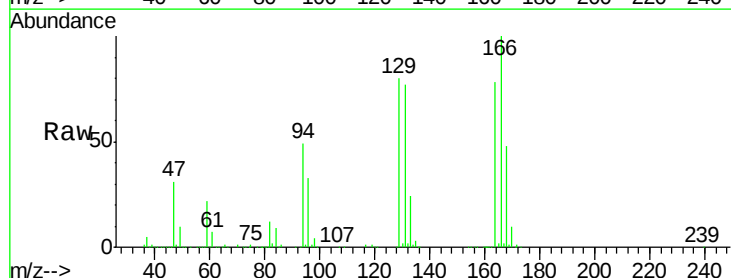
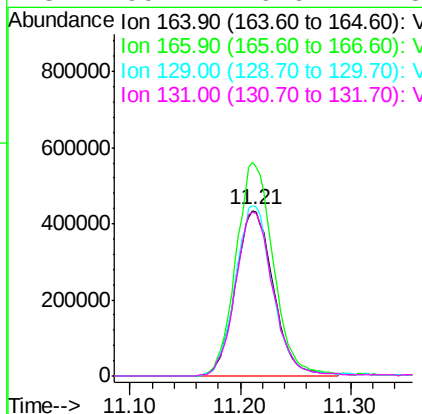
Manual Integrations
APPROVED

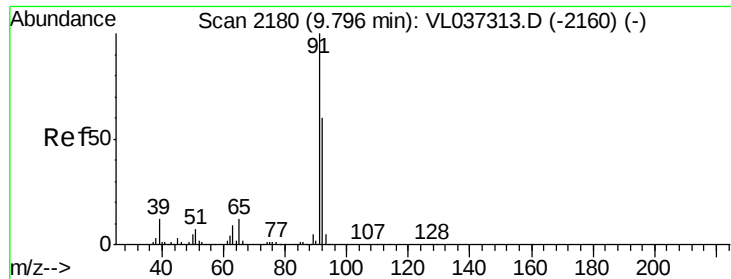
MMDadoda
8/5/2021 4:39:10 PM



#52
Tetrachloroethene
Concen: 7.969 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.4	155.2
129	102.5	82.2	123.2
131	99.1	76.6	114.8





#53

Toluene

Concen: 8.156 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2905950

Ion Ratio Lower Upper

91 100

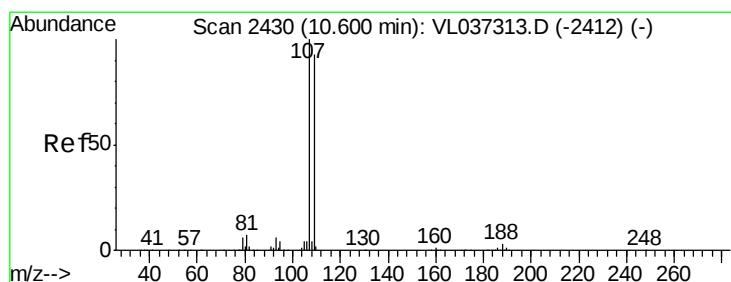
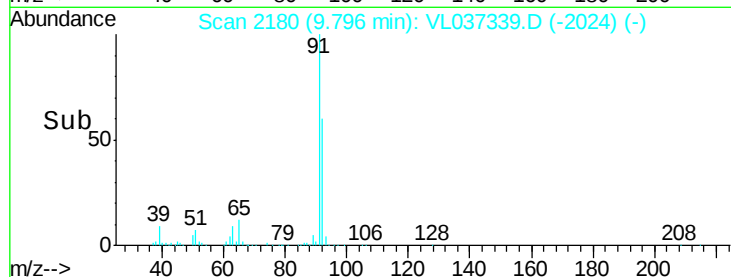
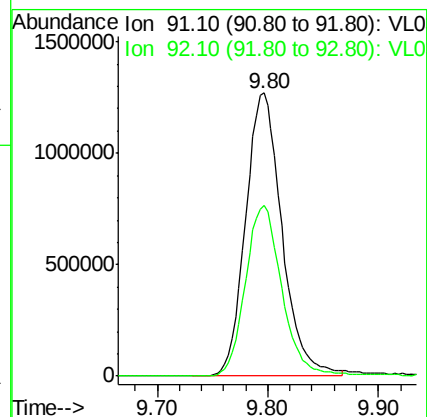
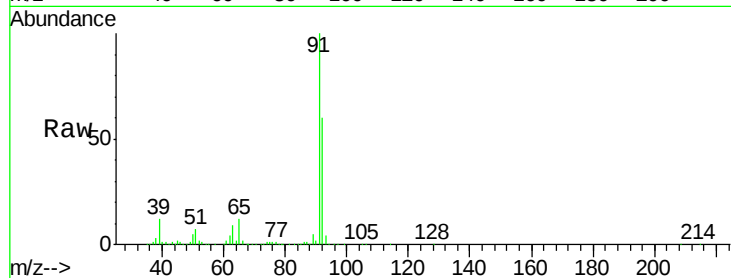
92 61.7 48.8 73.2

Manual Integrations

APPROVED

MMDadoda

8/5/2021 4:39:10 PM



#54

1,2-Dibromoethane

Concen: 8.834 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL037339.D

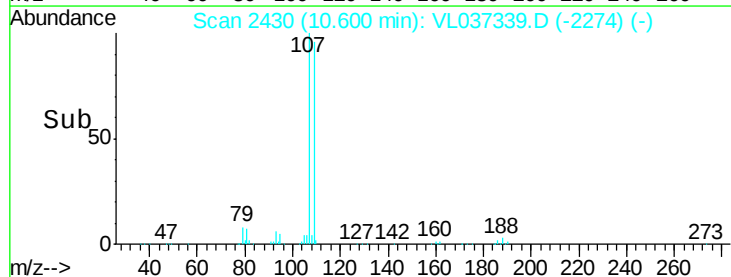
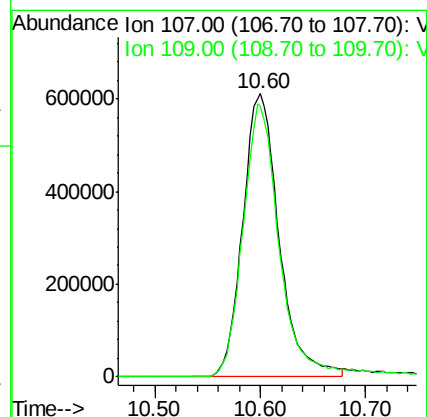
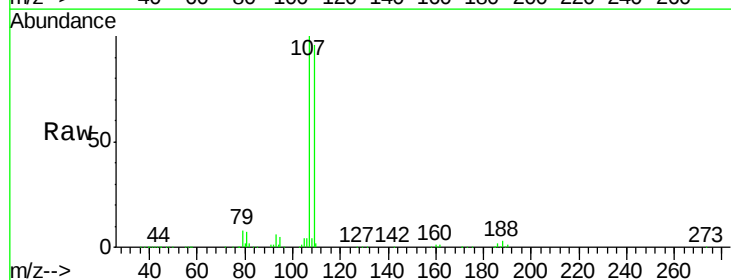
Acq: 5 Aug 2021 11:55

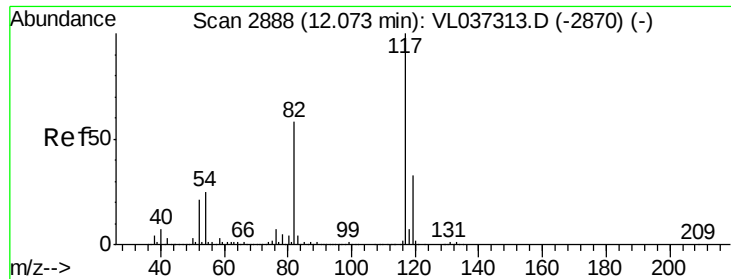
Tgt Ion: 107 Resp: 1465852

Ion Ratio Lower Upper

107 100

109 95.6 74.8 112.2





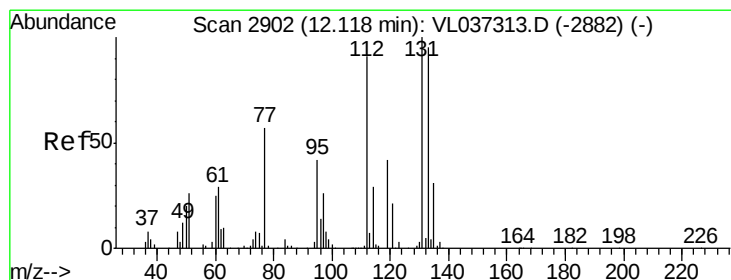
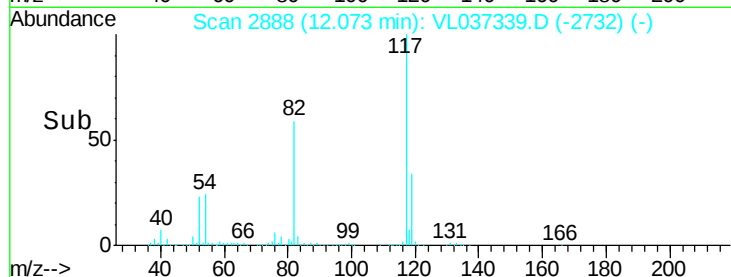
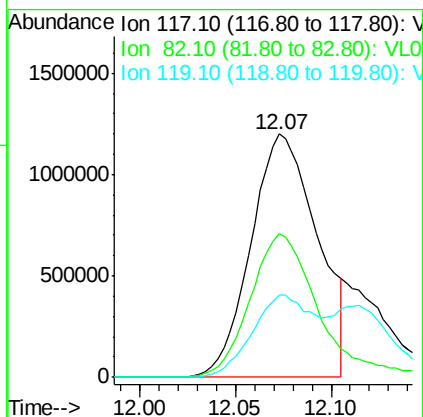
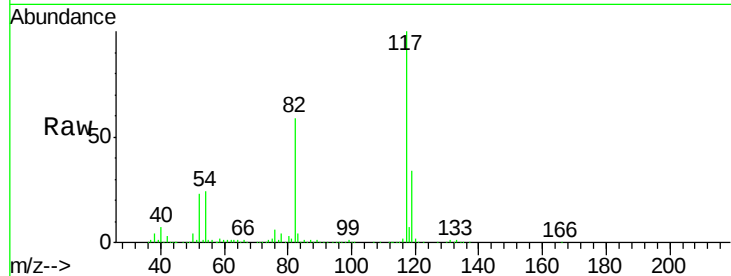
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.7	50.3	75.5
119	31.3	48.2	72.2#

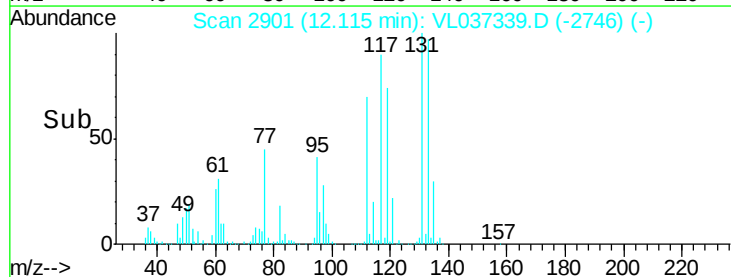
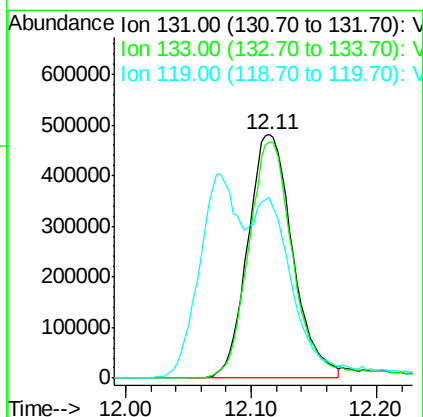
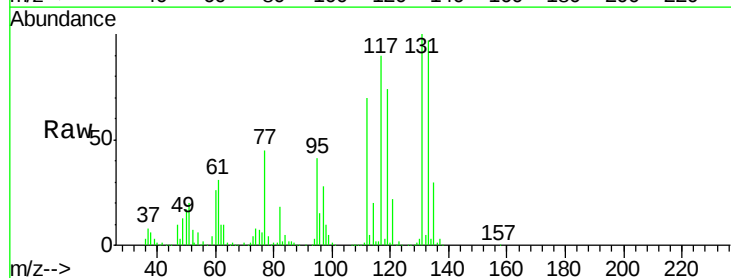
Manual Integrations
APPROVED

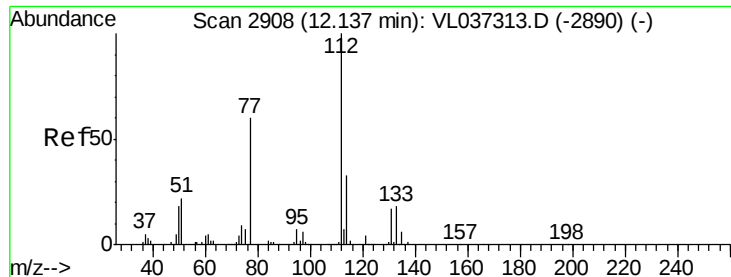
MMDadoda
8/5/2021 4:39:10 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.559 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.1	83.0	124.4
119	71.2	130.4	195.6#





#57

Chlorobenzene

Concen: 9.220 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2250163

Ion Ratio Lower Upper

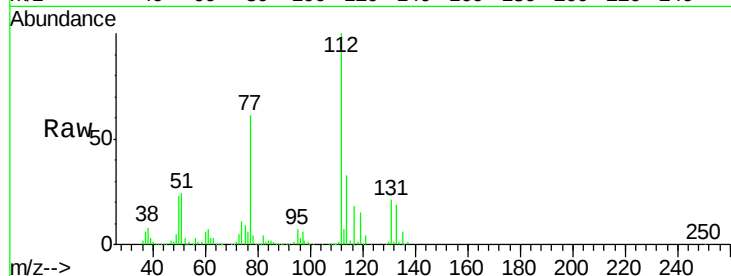
112 100

77 60.0 47.8 71.6

114 32.6 29.8 36.4

Manual Integrations
APPROVED

MMDadoda
8/5/2021 4:39:10 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

1200000

1000000

800000

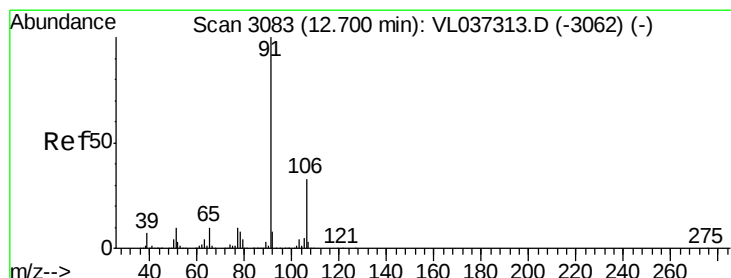
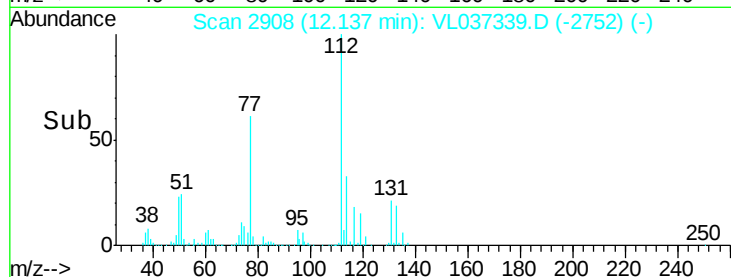
600000

400000

200000

0

Time--> 12.00 12.10 12.20 12.30



#58

Ethyl Benzene

Concen: 8.819 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.00 min

Lab File: VL037339.D

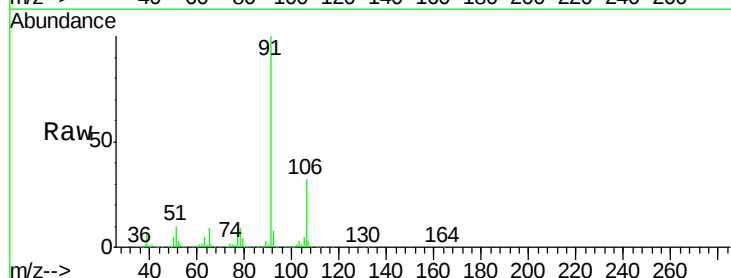
Acq: 5 Aug 2021 11:55

Tgt Ion: 91 Resp: 3744918

Ion Ratio Lower Upper

91 100

106 32.1 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

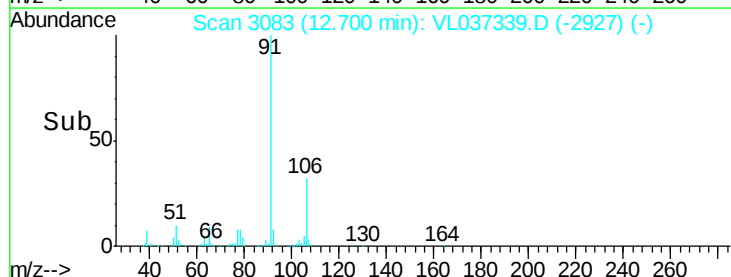
1500000

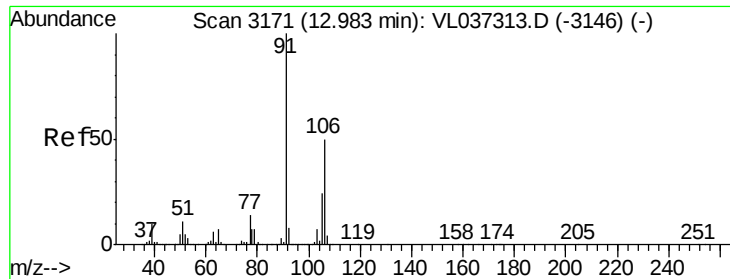
1000000

500000

0

Time--> 12.60 12.70 12.80





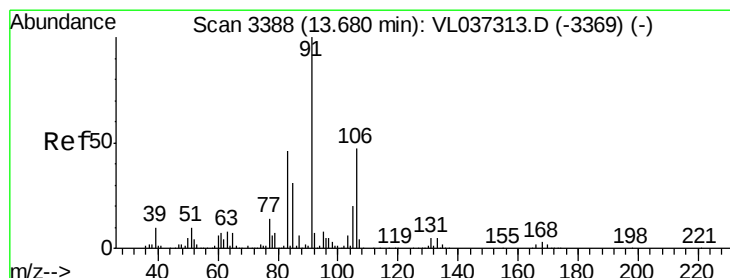
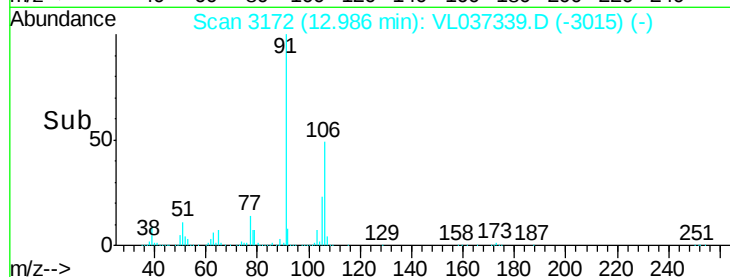
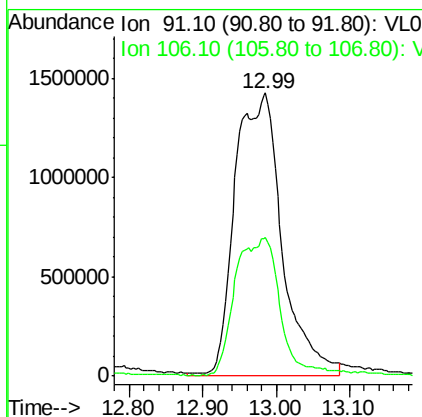
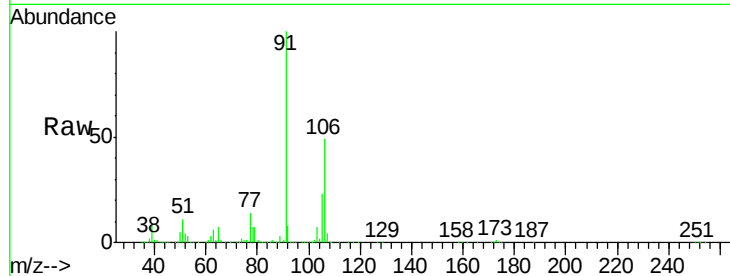
#59
m/p-Xylene
Concen: 17.799 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6365849
Ion Ratio Lower Upper
91 100
106 47.7 37.8 56.8

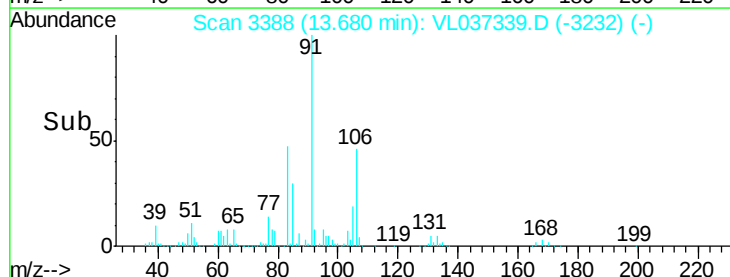
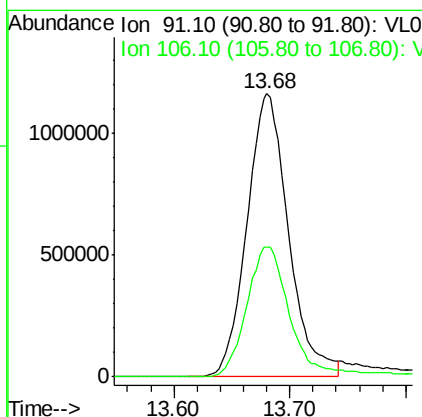
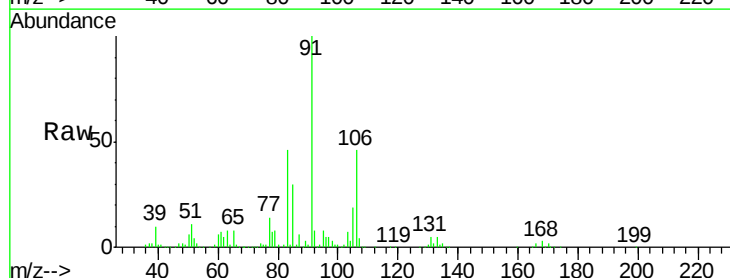
Manual Integrations
APPROVED

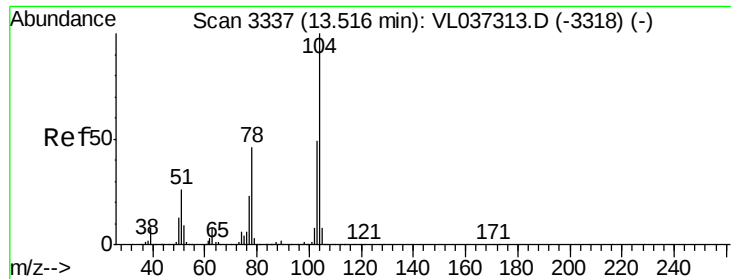
MMDadoda
8/5/2021 4:39:10 PM



#60
o-Xylene
Concen: 8.910 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 91 Resp: 2896006
Ion Ratio Lower Upper
91 100
106 50.0 26.3 78.8





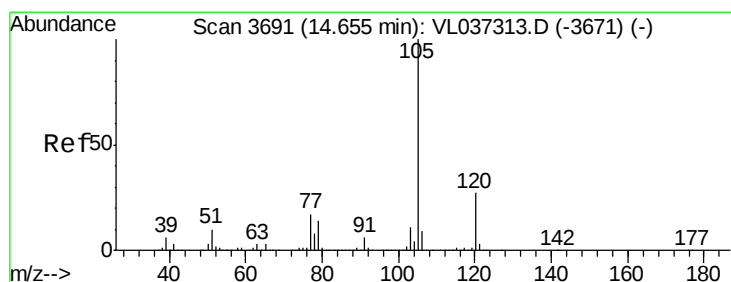
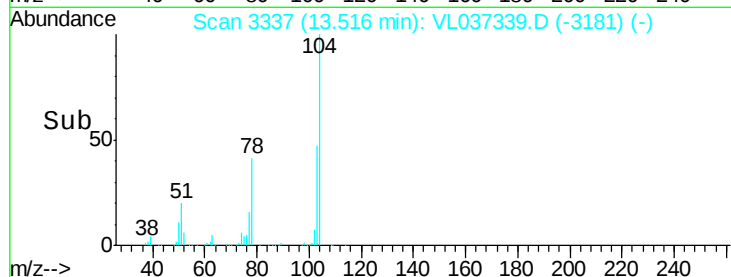
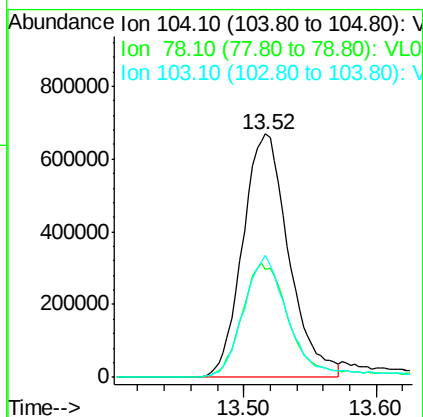
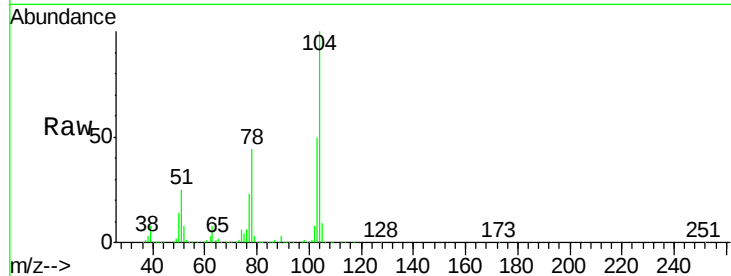
#61
Stvrene
Concen: 9.048 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.3	58.9
103	50.0	40.6	60.8

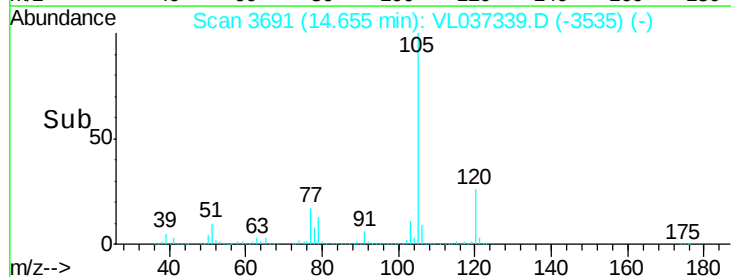
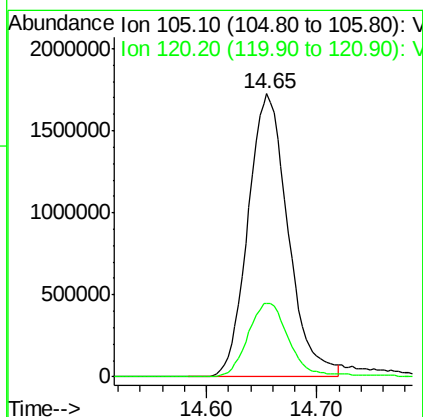
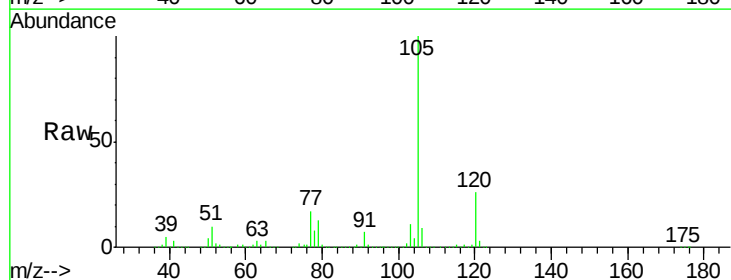
Manual Integrations
APPROVED

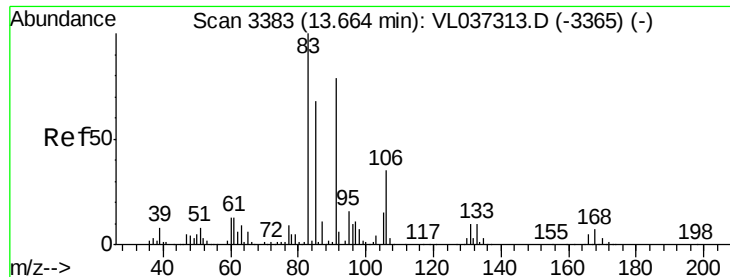
MMDadoda
8/5/2021 4:39:10 PM



#62
Isopropylbenzene
Concen: 9.193 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	23.0	34.6





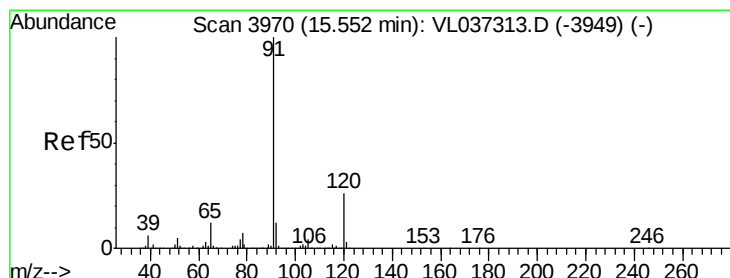
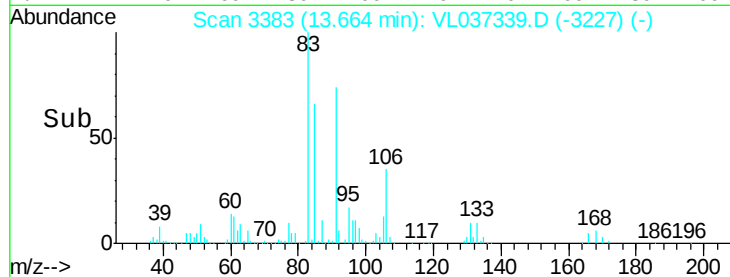
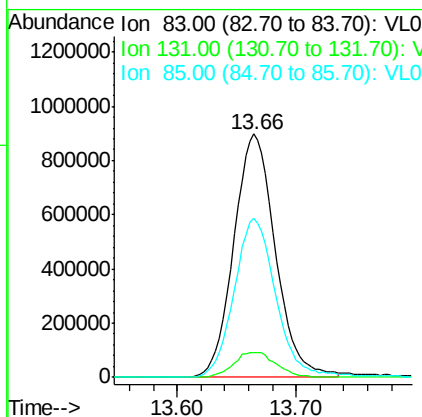
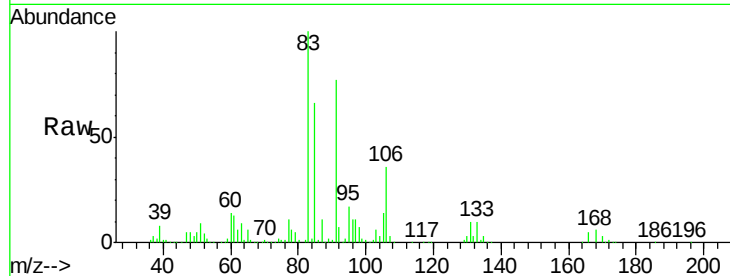
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.150 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2159498
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.1	15.4
85	66.8	33.5	100.4

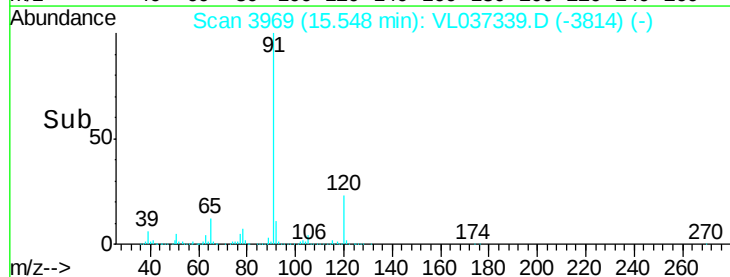
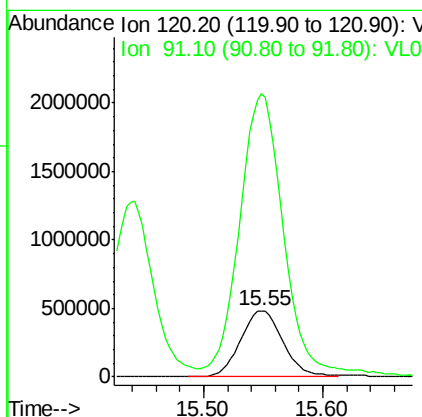
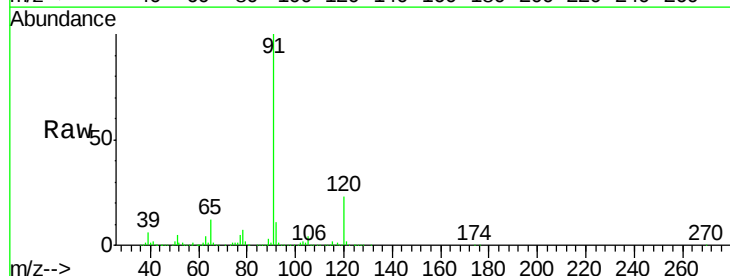
Manual Integrations
 APPROVED

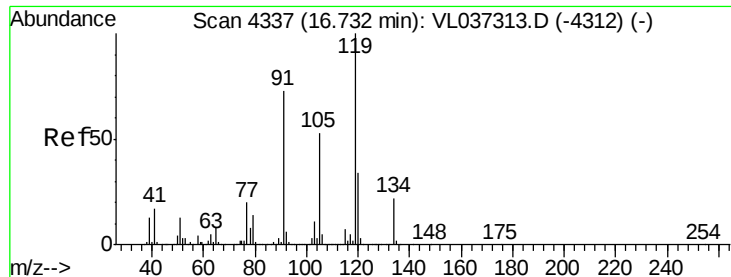
MMDadoda
 8/5/2021 4:39:10 PM



#64
 n-propylbenzene
 Concen: 9.684 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion	120	Resp	1195156
Ion Ratio	100	Lower	Upper
120	100		
91	448.3	361.0	541.4





#65

tert-Butylbenzene

Concen: 9.471 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4122329

Ion Ratio Lower Upper

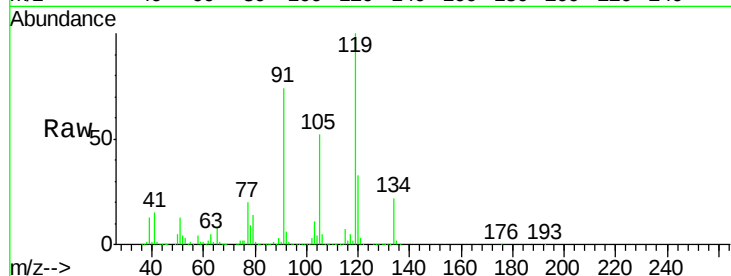
119 100

91 73.6 58.6 88.0

134 20.5 16.5 24.7

Manual Integrations
APPROVED

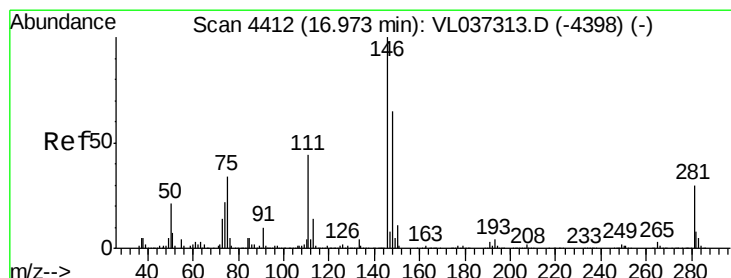
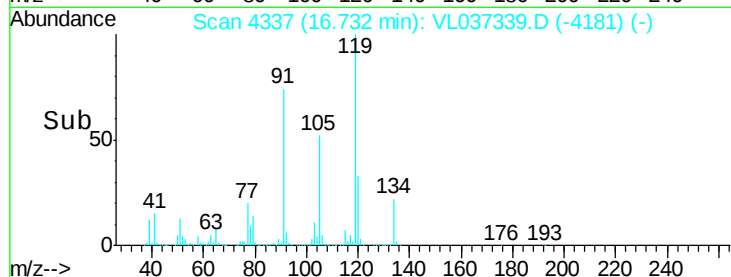
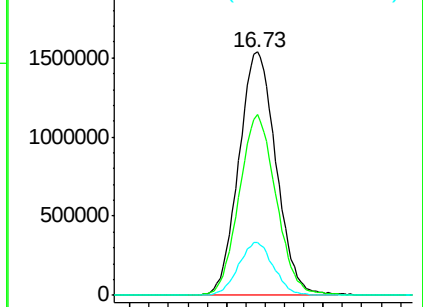
MMDadoda
8/5/2021 4:39:10 PM



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: 6.951 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

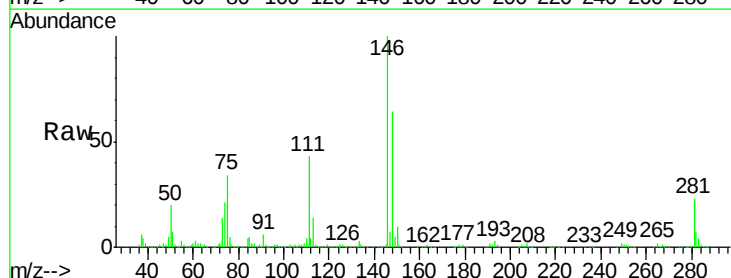
Tgt Ion: 91 Resp: 117600

Ion Ratio Lower Upper

91 100

126 22.2 17.8 26.6

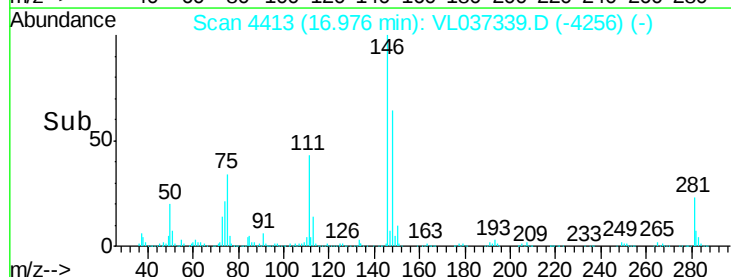
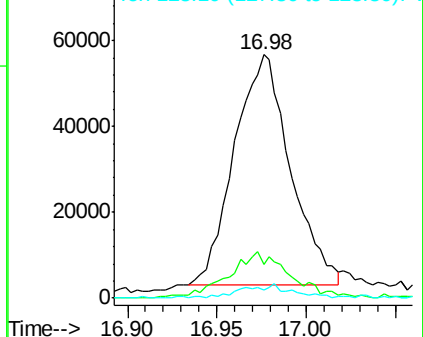
128 5.6 5.8 8.6#

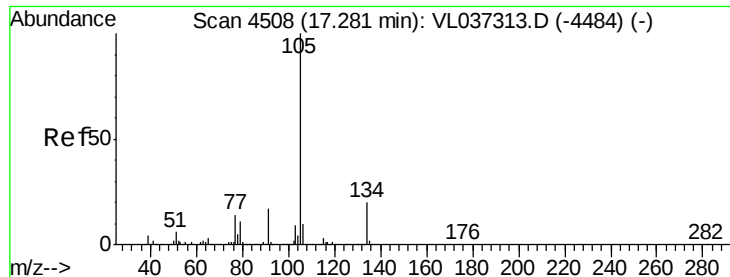


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.471 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 5560177

Ion Ratio Lower Upper

105 100

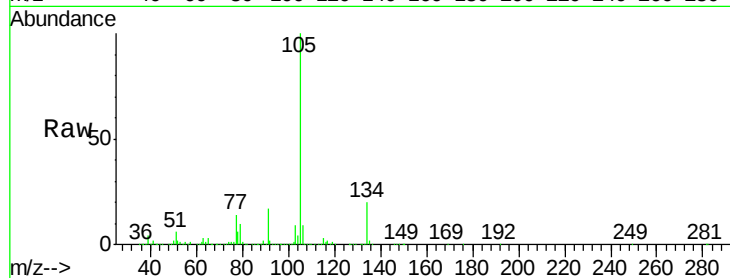
134 19.6 15.4 23.2

Manual Integrations

APPROVED

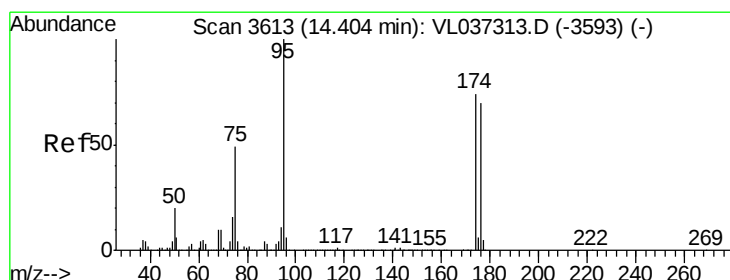
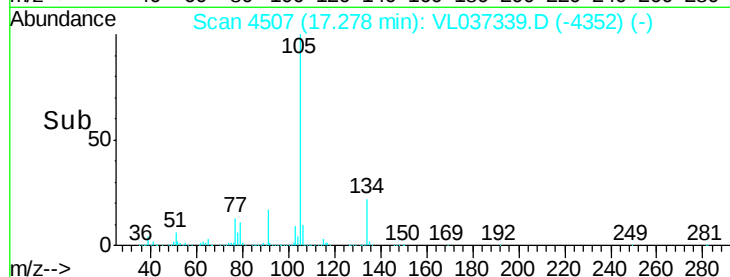
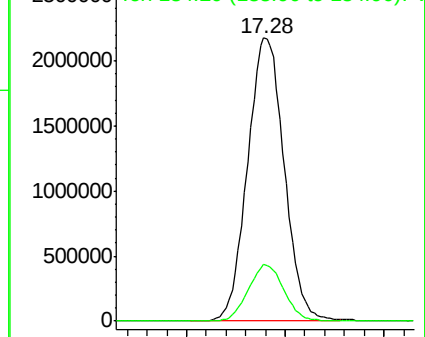
MMDadoda

8/5/2021 4:39:10 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.606 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

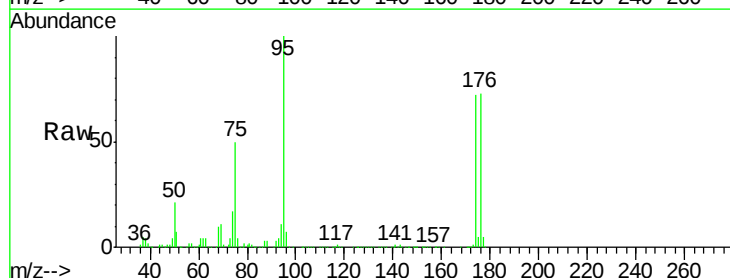
Tgt Ion: 95 Resp: 2094329

Ion Ratio Lower Upper

95 100

174 80.1 66.9 100.3

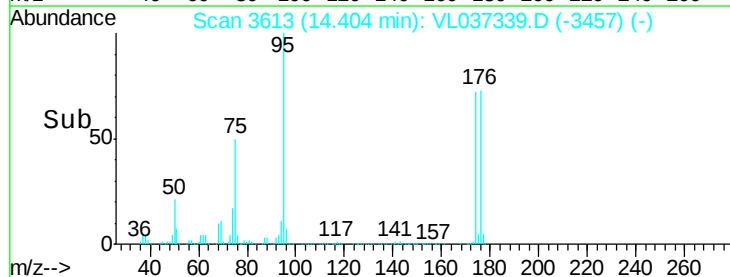
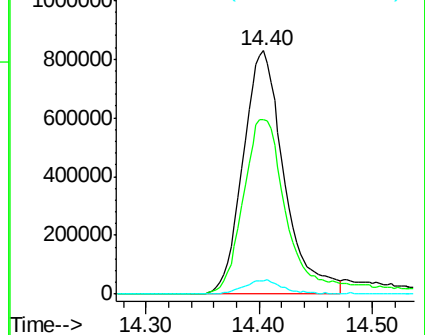
175 5.5 5.1 7.7

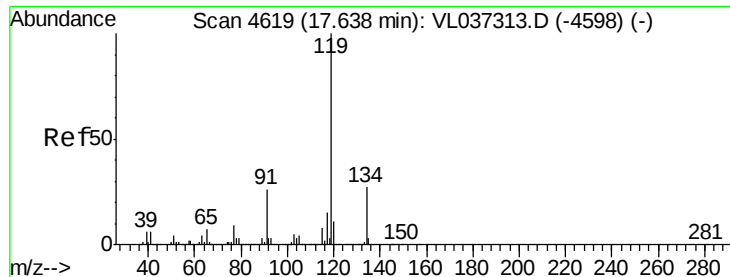


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





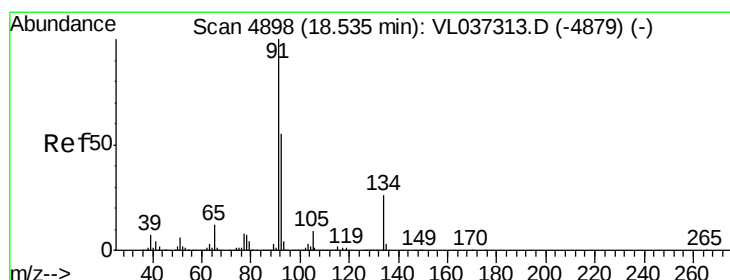
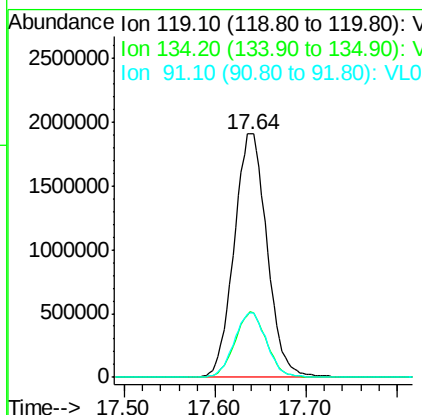
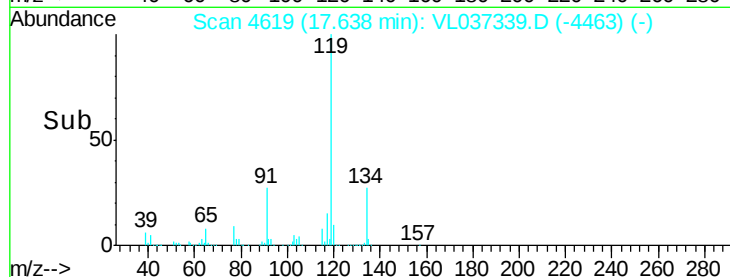
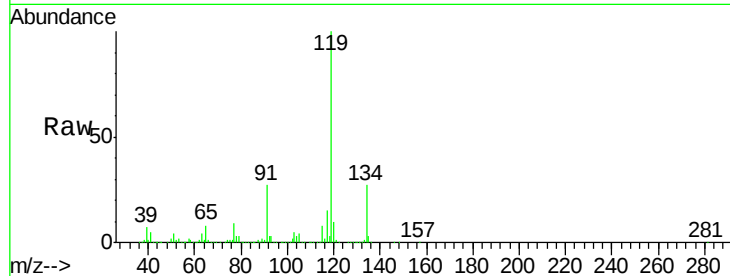
#69
p-Isopropyltoluene
Concen: 9.720 ppbv
RT: 17.64 min Scan# 4619
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.0	31.6
91	26.1	20.5	30.7

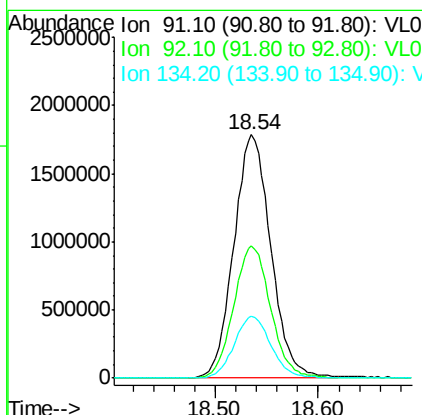
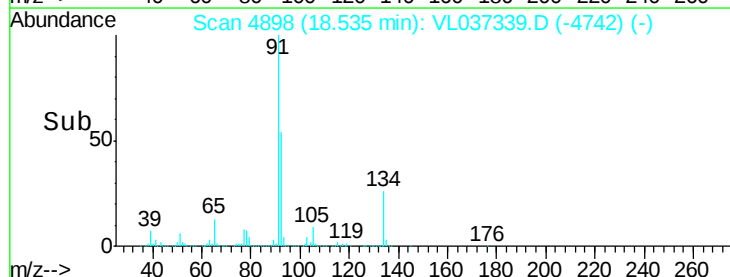
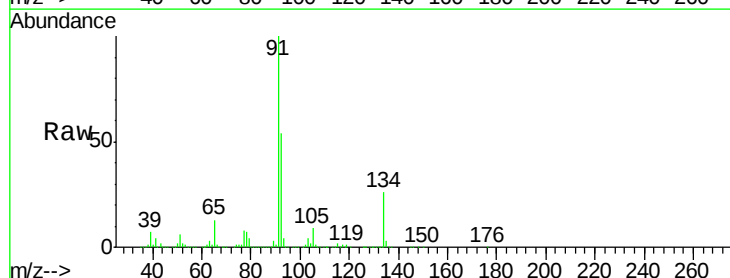
Manual Integrations
APPROVED

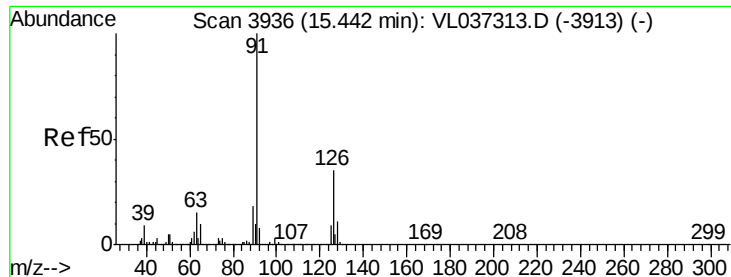
MMDadoda
8/5/2021 4:39:10 PM



#70
n-Butylbenzene
Concen: 9.867 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.1	66.1
134	25.4	20.6	31.0





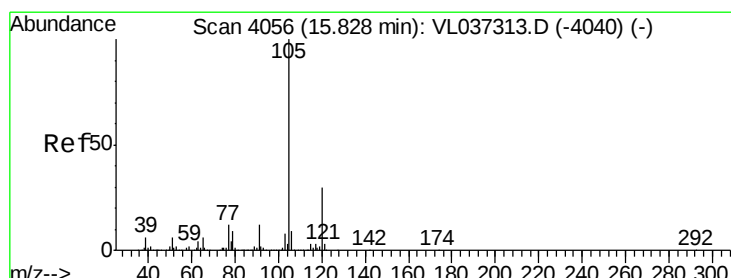
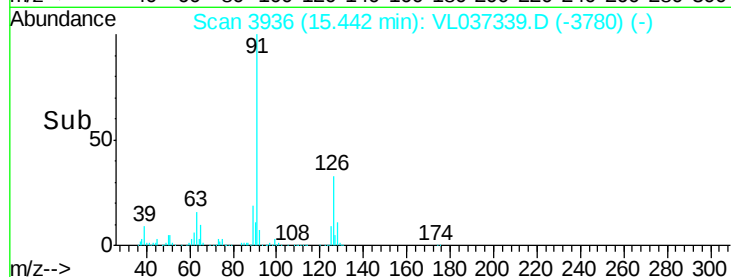
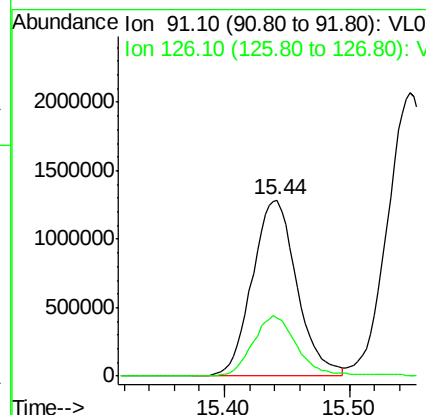
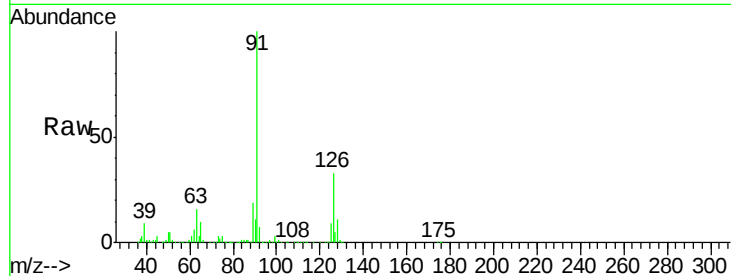
#71
 2-Chlorotoluene
 Concen: 9.631 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3176252
 Ion Ratio Lower Upper
 91 100
 126 34.9 14.3 57.1

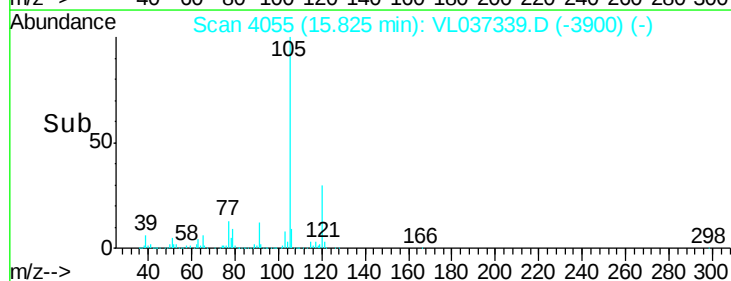
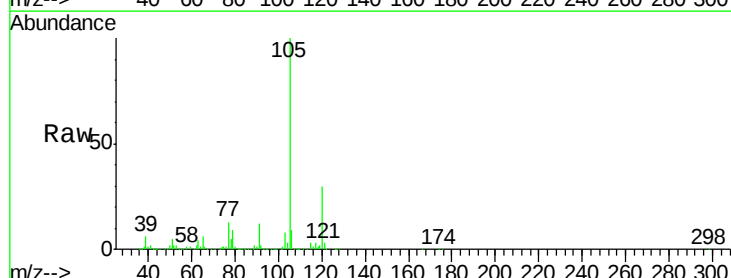
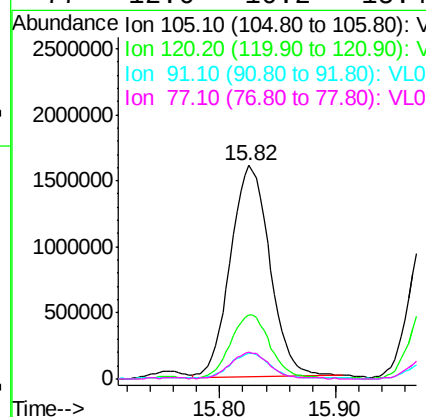
Manual Integrations
 APPROVED

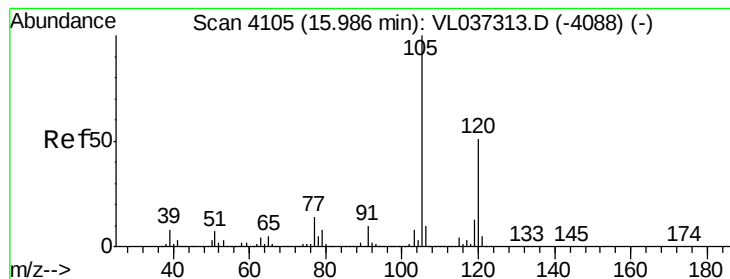
MMDadoda
 8/5/2021 4:39:10 PM



#72
 4-Ethyltoluene
 Concen: 9.624 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion: 105 Resp: 3776234
 Ion Ratio Lower Upper
 105 100
 120 31.2 25.6 38.4
 91 11.9 9.4 14.2
 77 12.6 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 9.416 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3321831

Ion Ratio Lower Upper

105 100

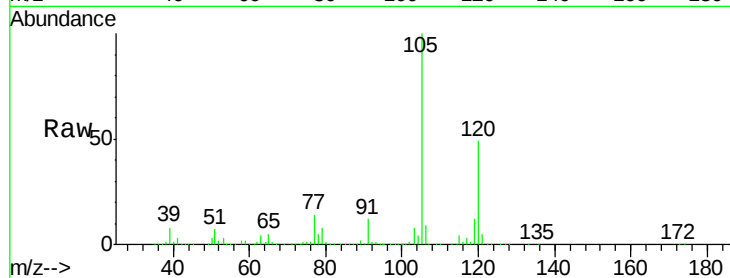
120 49.1 40.4 60.6

Manual Integrations

APPROVED

MMDadoda

8/5/2021 4:39:10 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

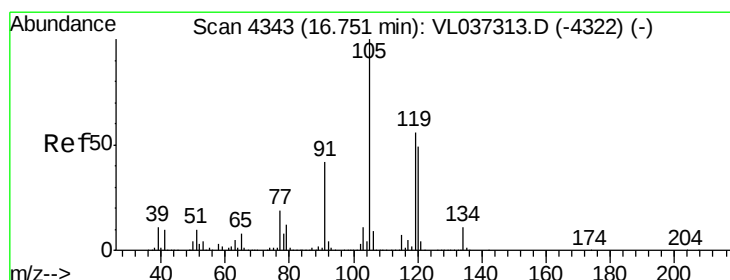
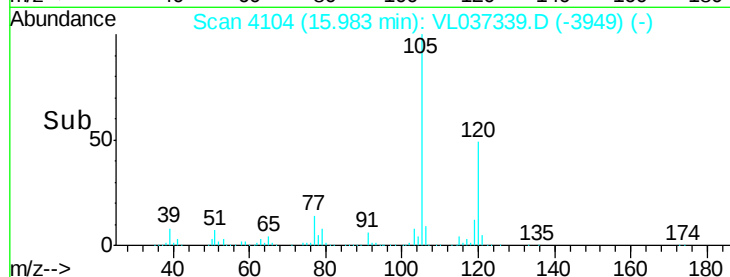
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.557 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion:105 Resp: 3598188

Ion Ratio Lower Upper

105 100

120 50.8 39.6 59.4

91 48.7 34.5 51.7

77 20.5 15.3 22.9

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO

2000000

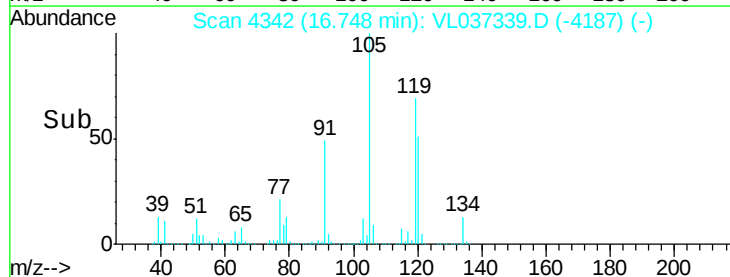
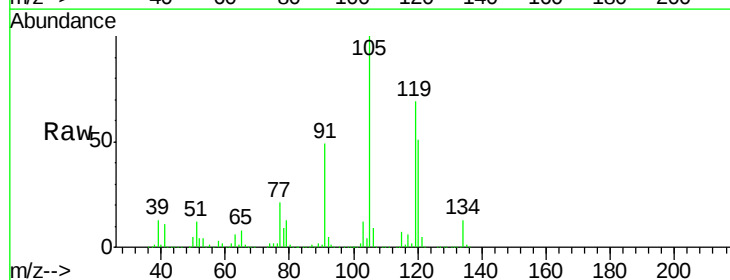
1500000

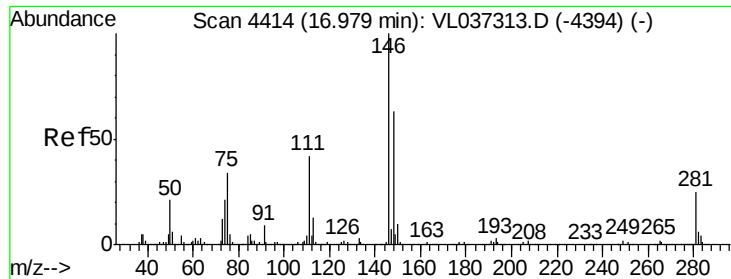
1000000

500000

0

Time-->





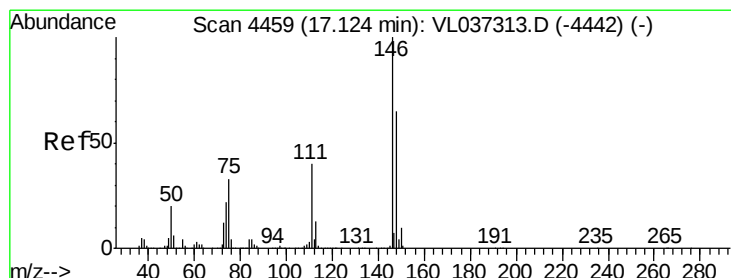
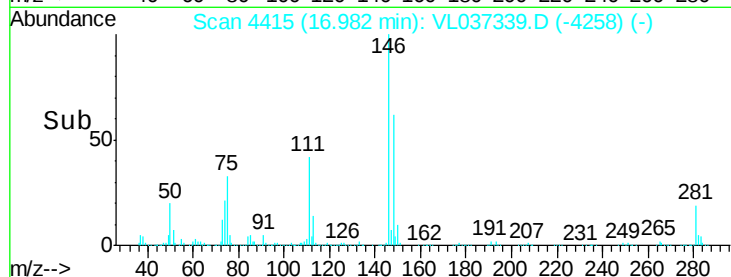
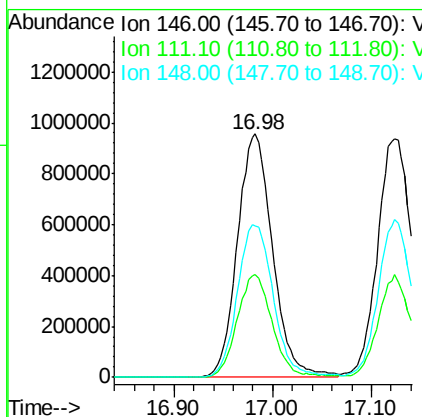
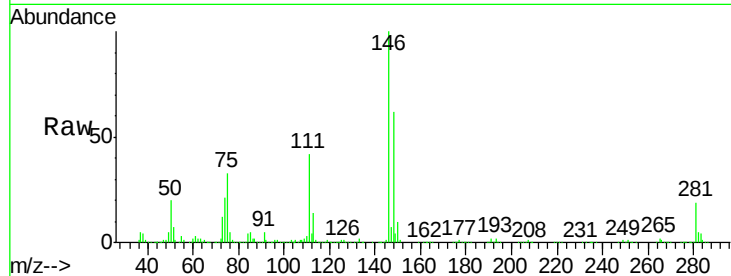
#75
 1,3-Dichlorobenzene
 Concen: 10.219 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2365148
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.4 64.3
 148 64.1 32.6 97.7

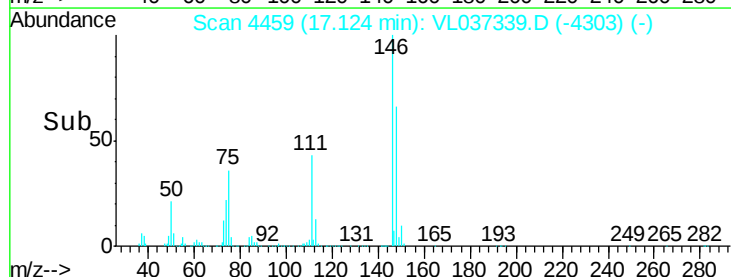
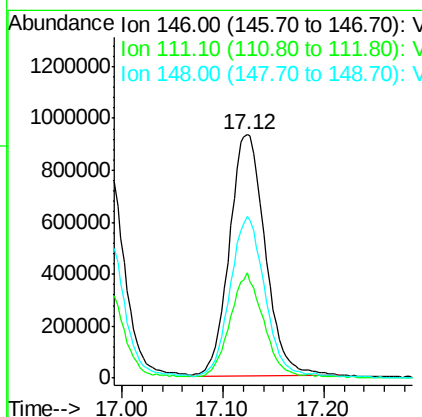
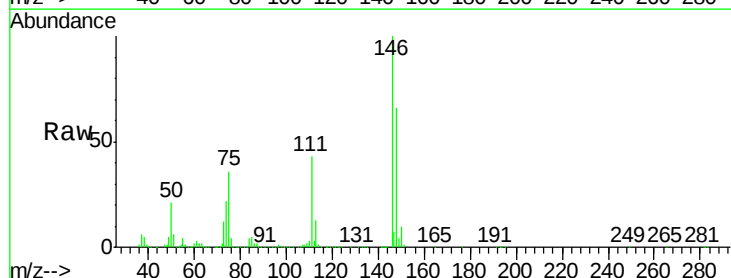
Manual Integrations
 APPROVED

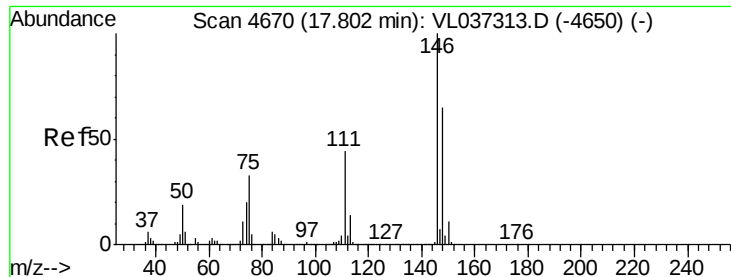
MMDadoda
 8/5/2021 4:39:10 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.011 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion:146 Resp: 2298116
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.0 63.0
 148 65.9 33.5 100.4





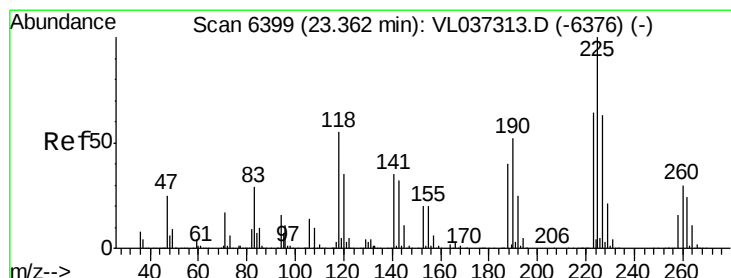
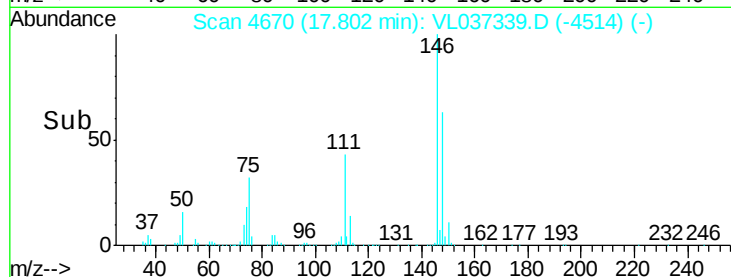
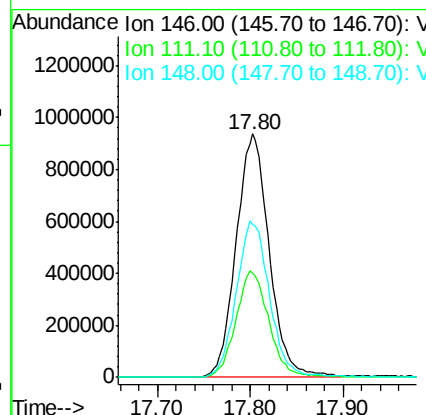
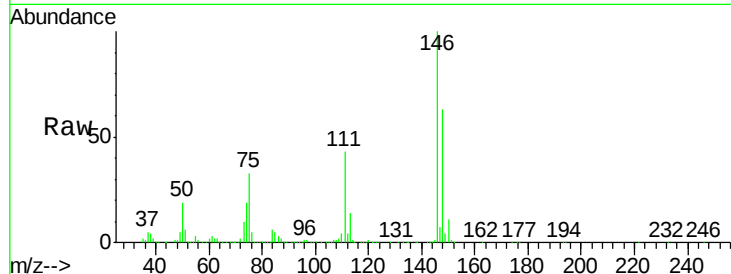
#77
 1,2-Dichlorobenzene
 Concen: 10.189 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.5
148	65.2	32.5	97.4

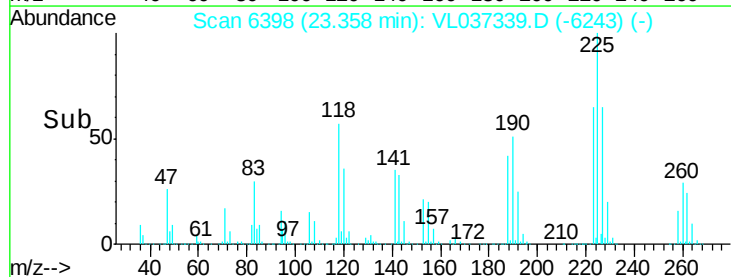
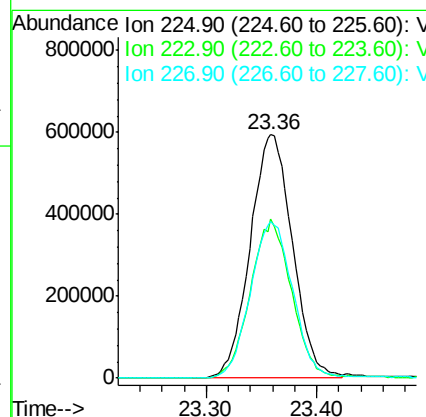
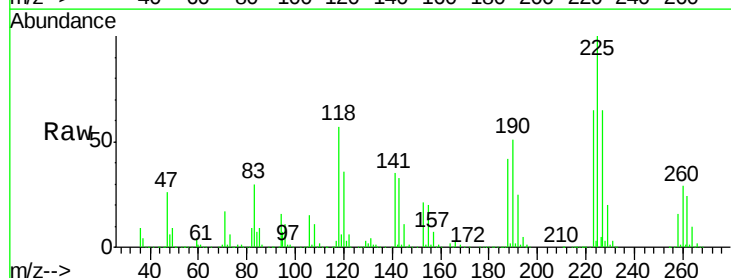
Manual Integrations
 APPROVED

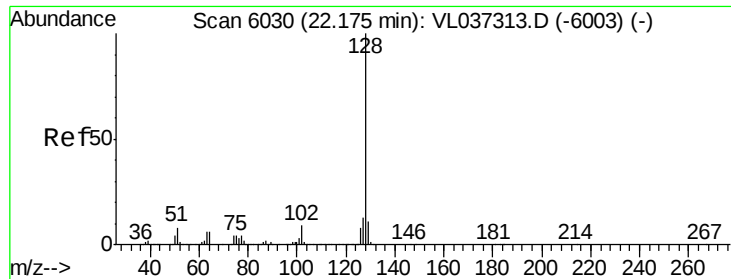
MMDadoda
 8/5/2021 4:39:10 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.796 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.1	76.7
227	65.4	51.9	77.9





#79

Naphthalene

Concen: 8.602 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 2972539

Ion Ratio Lower Upper

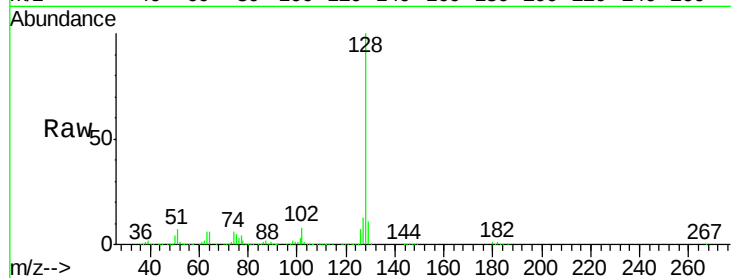
128 100

127 12.5 10.3 15.5

129 11.2 8.6 12.8

Manual Integrations
APPROVED

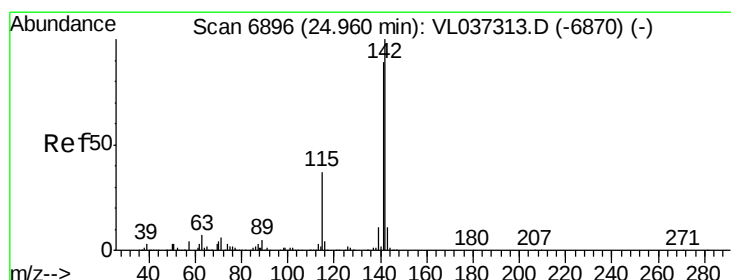
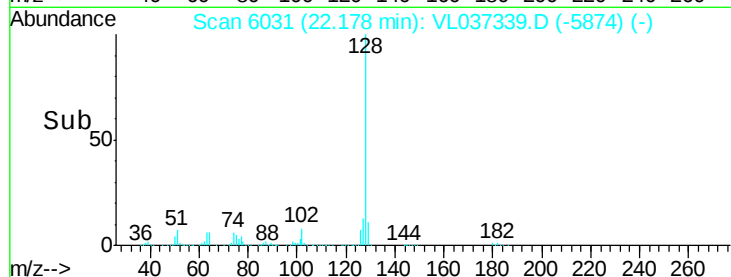
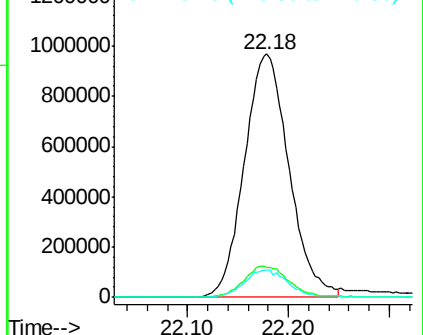
MMDadoda
8/5/2021 4:39:10 PM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.101 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

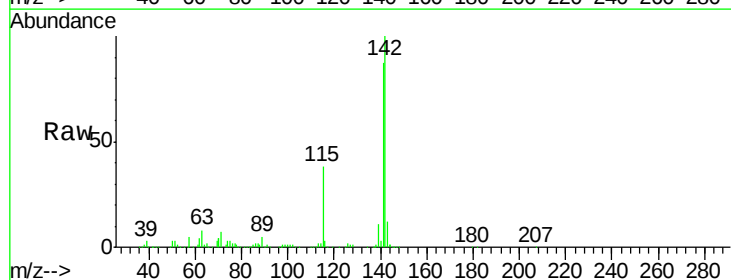
Tgt Ion:142 Resp: 679566

Ion Ratio Lower Upper

142 100

141 82.3 67.2 100.8

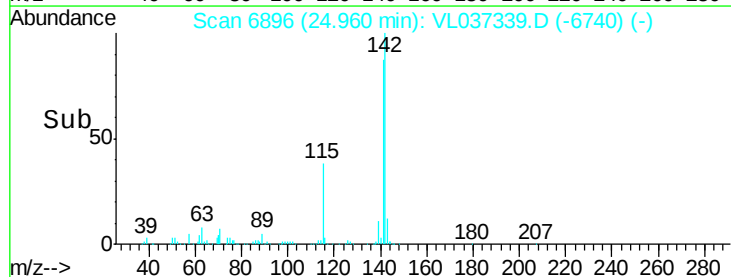
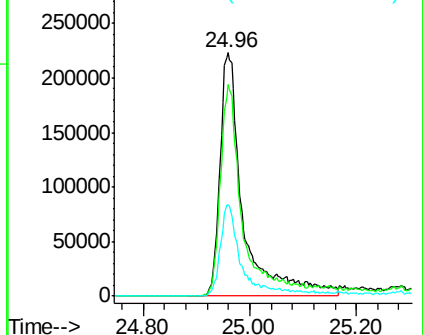
115 32.3 27.9 41.9

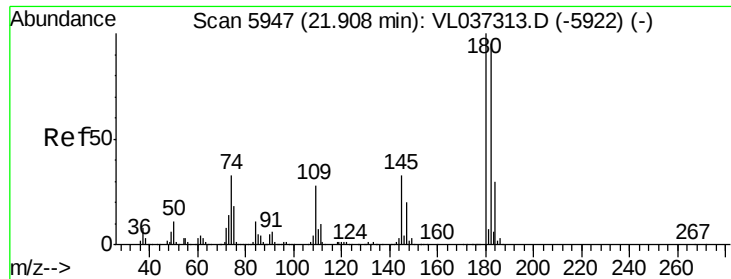


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.891 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	1784895
Ion Ratio	Lower	Upper	
180	100		
182	99.5	78.0	117.0
184	30.9	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 4:39:10 PM

