

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036377.D
 Acq On : 25 Feb 2021 10:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:01:52 AM

Quant Time: Feb 26 00:49:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1550662	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3566299	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3306829m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2815015	10.35	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1987996	8.590	ppbv	98
3) Chlorodifluoromethane	2.98	51	1852528	9.615	ppbv	99
4) Chloromethane	3.13	50	946794	10.172	ppbv	100
5) Vinyl Chloride	3.25	62	923298	10.652	ppbv	100
6) Bromomethane	3.46	94	530909	10.305	ppbv	98
7) Chloroethane	3.55	64	322740	10.487	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2112886	10.038	ppbv	99
9) Propene	3.01	41	836780	11.649	ppbv	98
10) Heptane	8.12	43	2192422	10.356	ppbv	100
11) Trichlorofluoromethane	3.94	101	2245751	9.910	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1371441	9.770	ppbv	97
13) Ethanol	3.60	45	133050	9.861	ppbv	94
14) Bromoethene	3.73	108	633755	10.787	ppbv	96
15) Acetone	3.84	43	1774217	9.360	ppbv	99
16) 1,3-Butadiene	3.32	39	865268	9.546	ppbv	96
17) tert-Butyl alcohol	4.29	59	1702732	11.572	ppbv	100
18) 1,1-Dichloroethene	4.28	96	623902	9.780	ppbv	99
19) Isopropyl Alcohol	3.97	45	1137554	10.832	ppbv	99
20) Methylene Chloride	4.34	84	549848	8.991	ppbv	95
21) Allyl Chloride	4.40	41	1081497	10.248	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	612945	10.577	ppbv	97
23) Vinyl Acetate	5.07	43	2297555	10.309	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1701476	10.323	ppbv	99
25) Ethyl Acetate	5.67	43	3735258	10.208	ppbv	100
26) Hexane	5.68	57	1504365	10.006	ppbv	99
27) Carbon Disulfide	4.55	76	1583275	11.458	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2124053	10.814	ppbv	99
29) Chloroform	5.75	83	2385943	9.850	ppbv	100
30) Cyclohexane	7.12	84	1246171	9.966	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1532729	10.303	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2351581	10.384	ppbv	98
34) 2-Butanone	5.24	43	2345599	9.899	ppbv	99
35) Carbon Tetrachloride	7.01	117	2368960	9.911	ppbv	98
36) Benzene	6.89	78	3161228	10.435	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1854883	9.903	ppbv	99
38) Trichloroethene	7.83	130	1076913	9.923	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1243131	10.102	ppbv	97
40) 1,4-Dioxane	7.82	88	433450	10.166	ppbv #	1
41) Tetrahydrofuran	6.05	42	1418551	10.728	ppbv	99
42) Bromodichloromethane	7.79	83	2600893	10.368	ppbv	100
43) Methyl Methacrylate	8.01	69	1371684	10.736	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036377.D
 Acq On : 25 Feb 2021 10:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

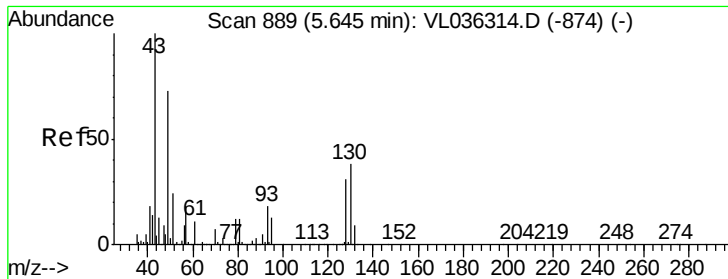
Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:01:52 AM

Quant Time: Feb 26 00:49:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5402890	9.808	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1509582	12.248	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1807257	11.544	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1260306	10.007	ppbv	98
48) Dibromochloromethane	10.30	129	2060115	10.962	ppbv	99
49) Bromoform	13.04	173	1722354	11.337	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3596769	10.225	ppbv	99
51) 2-Hexanone	10.13	43	2928292	10.956	ppbv	100
52) Tetrachloroethene	11.22	164	1015646	9.158	ppbv	96
53) Toluene	9.80	91	3500339	10.667	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1841988	10.121	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1551336	10.199	ppbv #	59
57) Chlorobenzene	12.14	112	2491464	9.752	ppbv	99
58) Ethyl Benzene	12.71	91	4743207	10.475	ppbv	99
59) m/p-Xylene	12.99	91	7979022m	20.061	ppbv	
60) o-Xylene	13.69	91	3761355	9.891	ppbv	100
61) Styrene	13.52	104	2702039	11.465	ppbv	98
62) Isopropylbenzene	14.67	105	5572324	9.776	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2726734	9.087	ppbv	99
64) n-propylbenzene	15.56	120	1457177	10.387	ppbv	98
65) tert-Butylbenzene	16.74	119	4776265	9.793	ppbv	98
66) Benzyl Chloride	16.99	91	1779628	13.422	ppbv	99
67) sec-Butylbenzene	17.29	105	6822558	9.700	ppbv	99
69) p-Isopropyltoluene	17.65	119	5600007	10.303	ppbv	99
70) n-Butylbenzene	18.55	91	5902655	10.126	ppbv	100
71) 2-Chlorotoluene	15.45	91	4393327	10.054	ppbv	97
72) 4-Ethyltoluene	15.83	105	4333507	10.240	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4053789	9.881	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4140925	9.887	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2284837	10.051	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2224217	9.422	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	2237898	9.923	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1588463	8.621	ppbv	99
79) Naphthalene	22.19	128	3001892	12.091	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	838130	18.233	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1599704m	10.561	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1550662

Ion Ratio Lower Upper

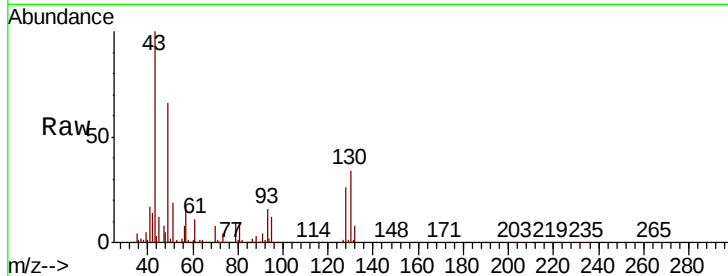
49 100

128 42.6 20.8 62.5

130 54.3 26.7 80.1

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM



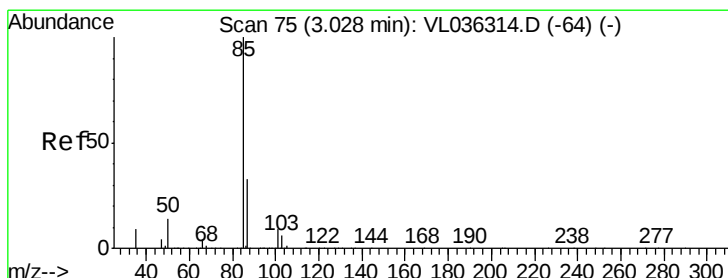
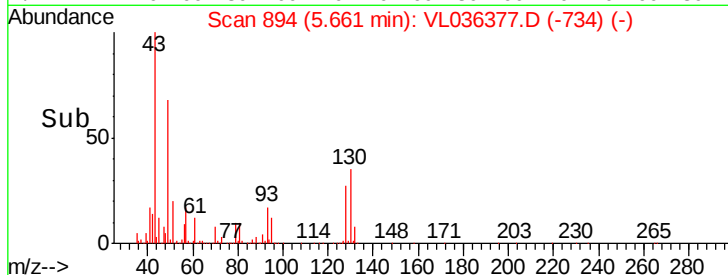
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.590 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL036377.D

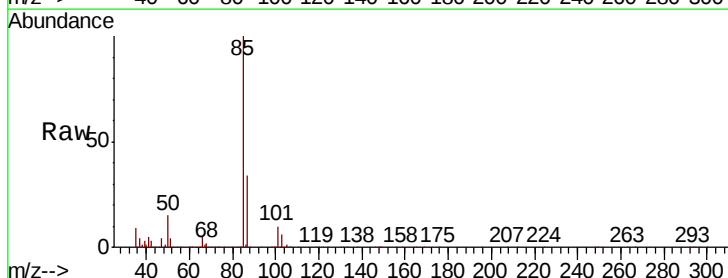
Acq: 25 Feb 2021 10:02

Tgt Ion: 85 Resp: 1987996

Ion Ratio Lower Upper

85 100

87 34.3 26.5 39.7

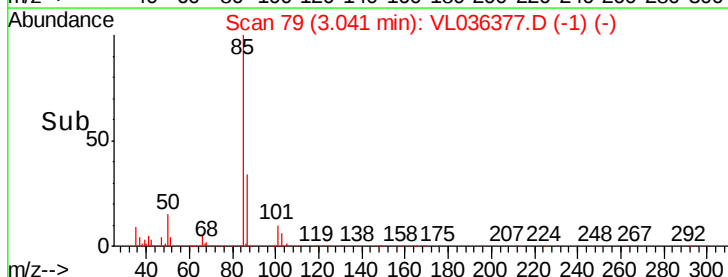


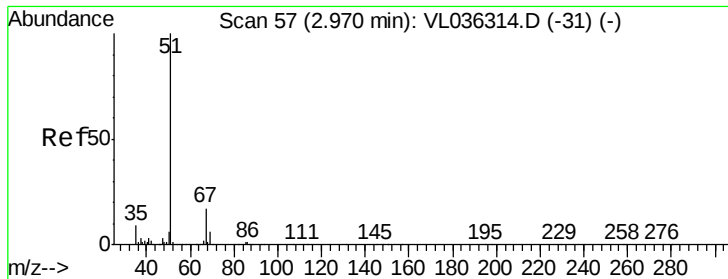
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 9.615 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1852528

Ion Ratio Lower Upper

51 100

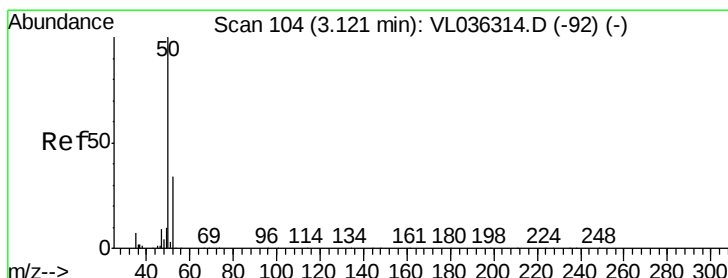
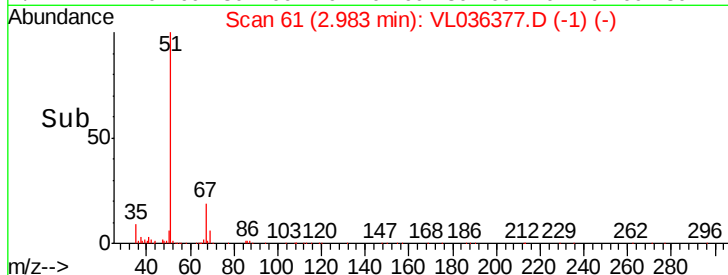
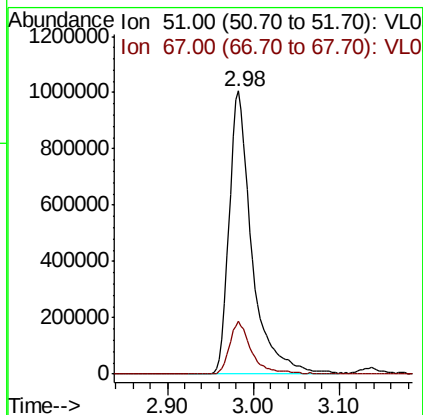
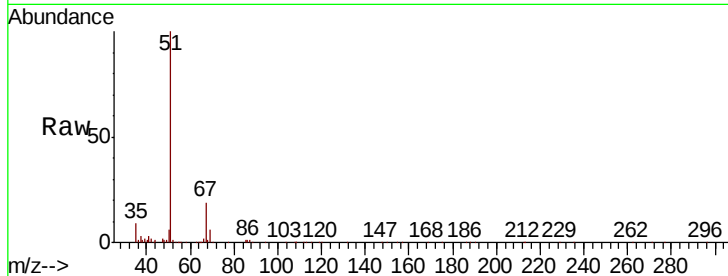
67 18.1 14.7 22.1

Manual Integrations

APPROVED

MMDadoda

3/1/2021 10:01:52 AM



#4

Chloromethane

Concen: 10.172 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL036377.D

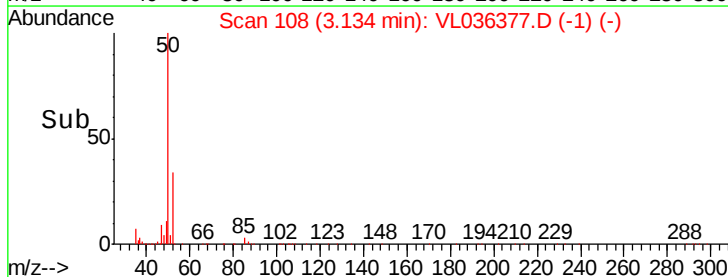
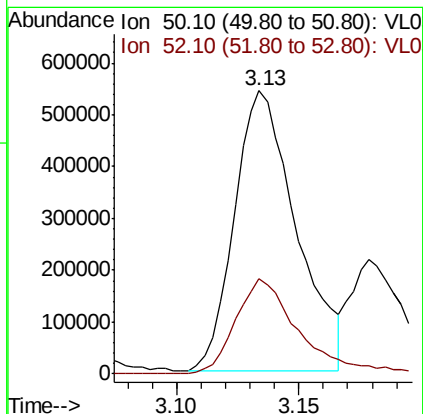
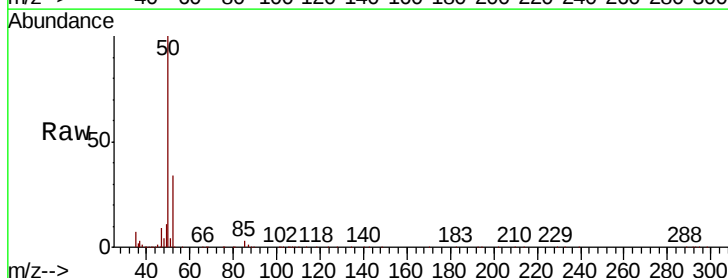
Acq: 25 Feb 2021 10:02

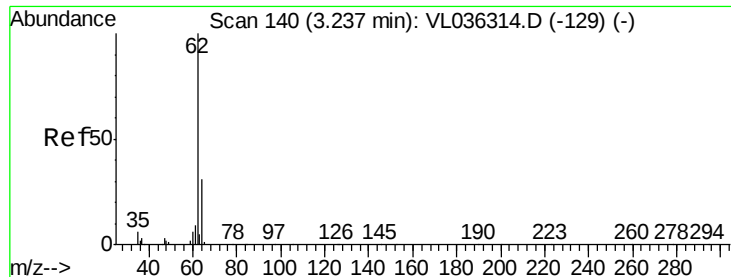
Tgt Ion: 50 Resp: 946794

Ion Ratio Lower Upper

50 100

52 33.8 27.0 40.4





#5

Vinyl Chloride

Concen: 10.652 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 62 Resp: 923298

Ion Ratio Lower Upper

62 100

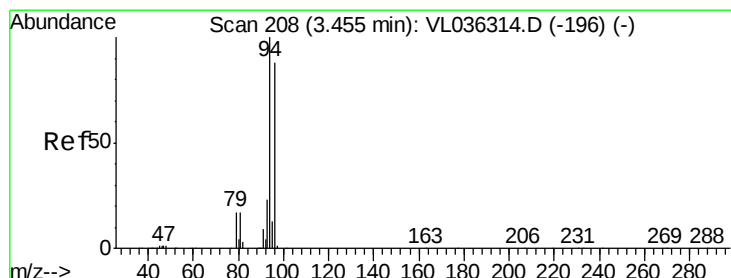
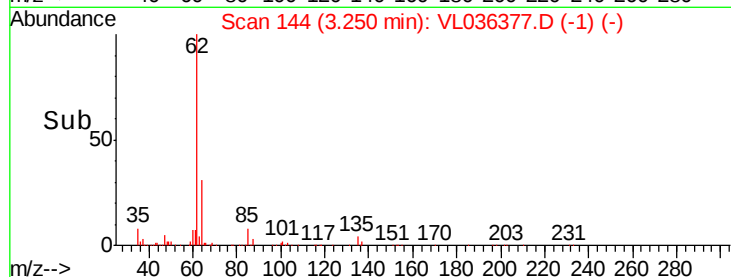
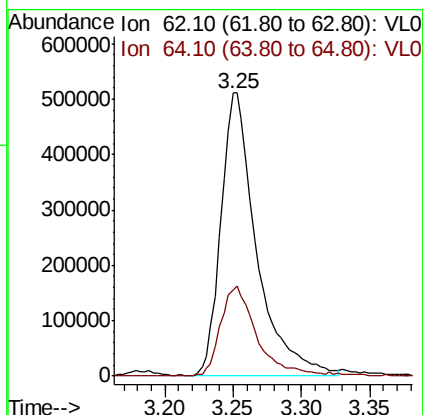
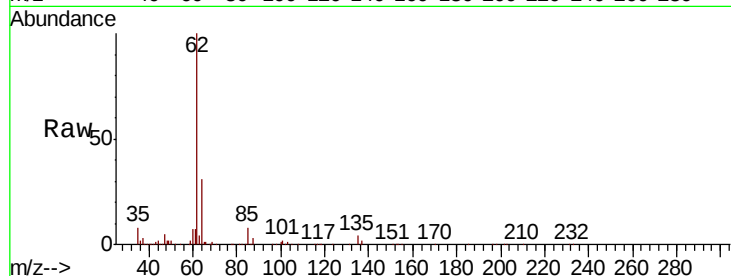
64 30.6 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

3/1/2021 10:01:52 AM



#6

Bromomethane

Concen: 10.305 ppbv

RT: 3.46 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL036377.D

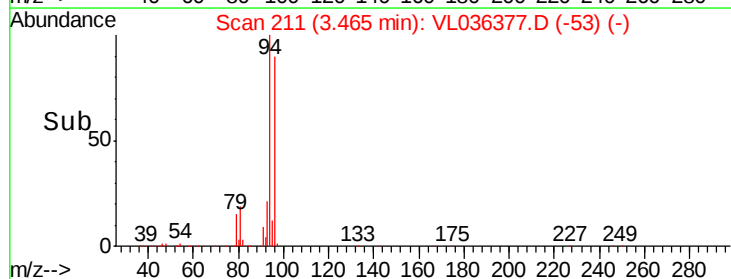
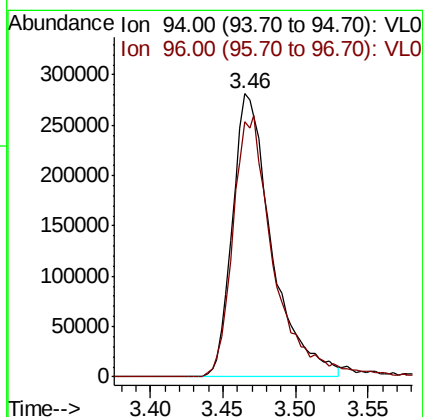
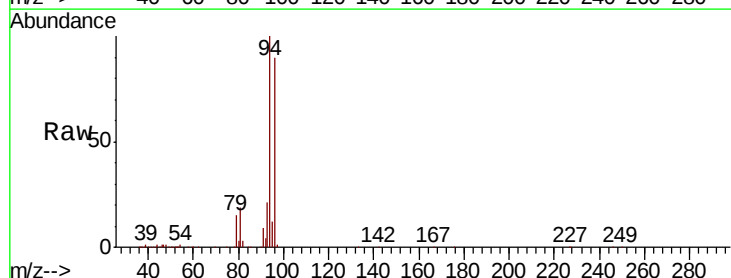
Acq: 25 Feb 2021 10:02

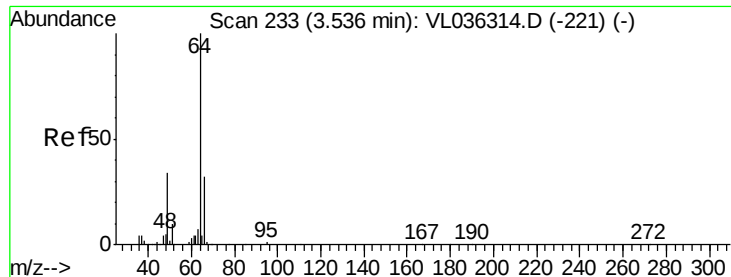
Tgt Ion: 94 Resp: 530909

Ion Ratio Lower Upper

94 100

96 90.1 70.8 106.2





#7

Chloroethane

Concen: 10.487 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 322740

Ion Ratio Lower Upper

64 100

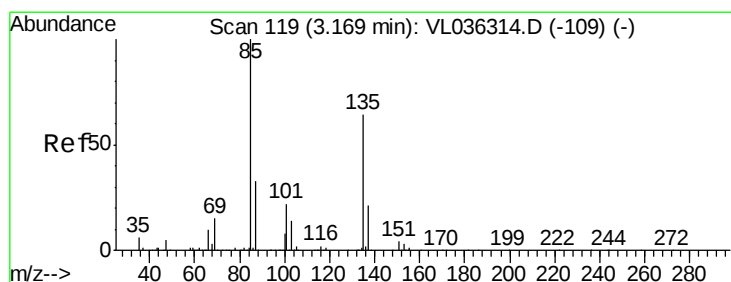
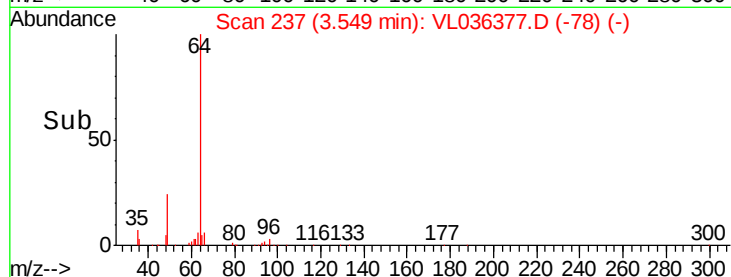
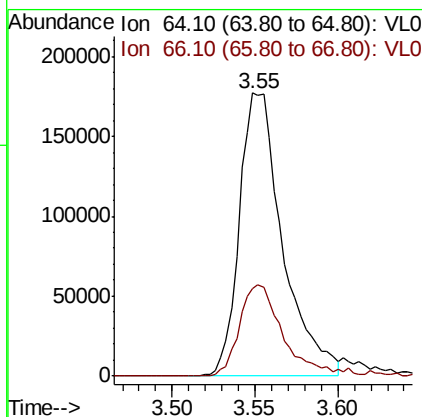
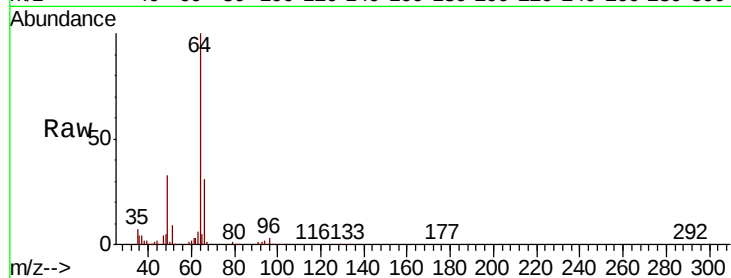
66 30.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/1/2021 10:01:52 AM



#8

Dichlorotetrafluoroethane

Concen: 10.038 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL036377.D

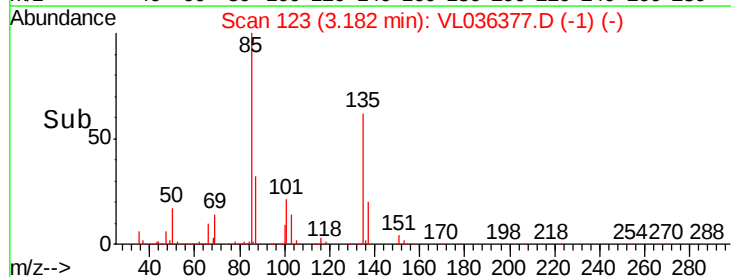
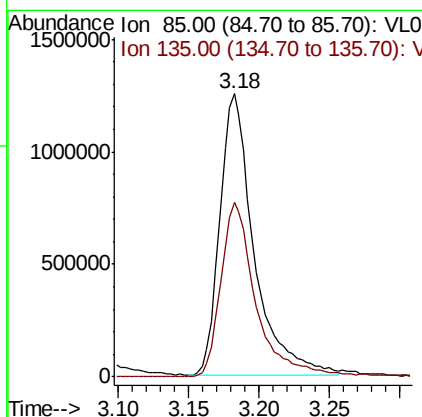
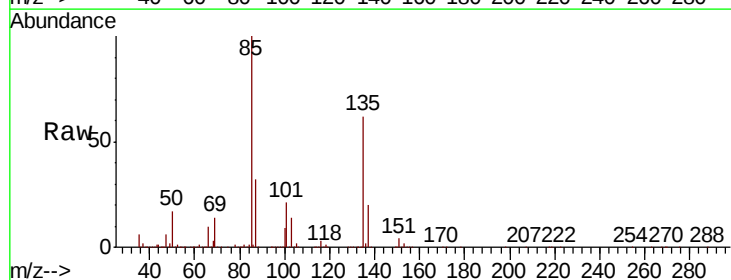
Acq: 25 Feb 2021 10:02

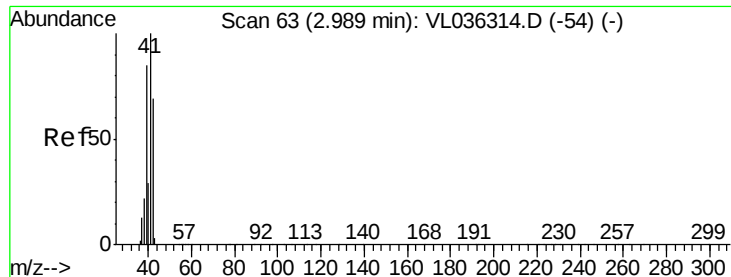
Tgt Ion: 85 Resp: 2112886

Ion Ratio Lower Upper

85 100

135 64.4 51.1 76.7





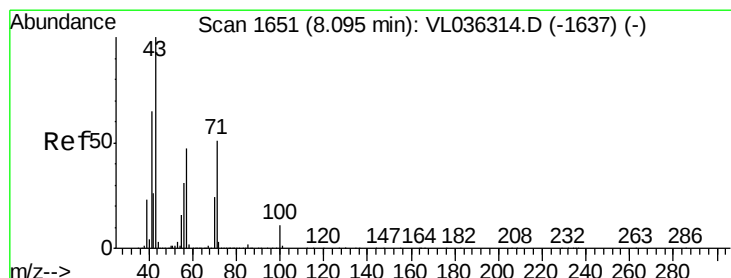
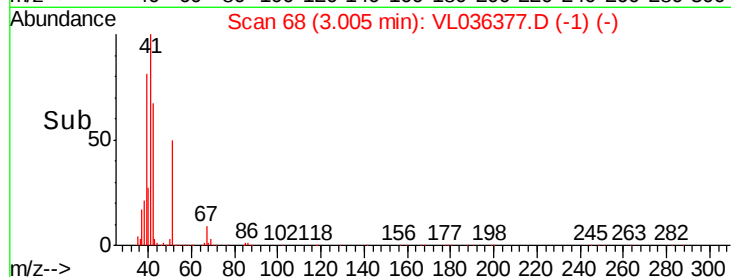
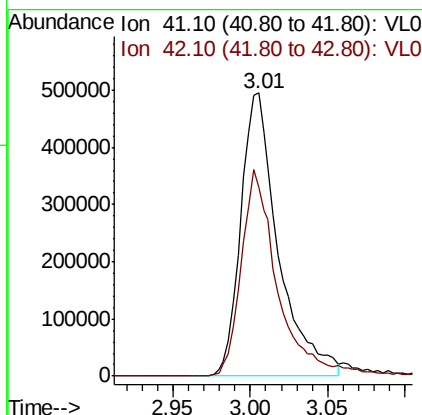
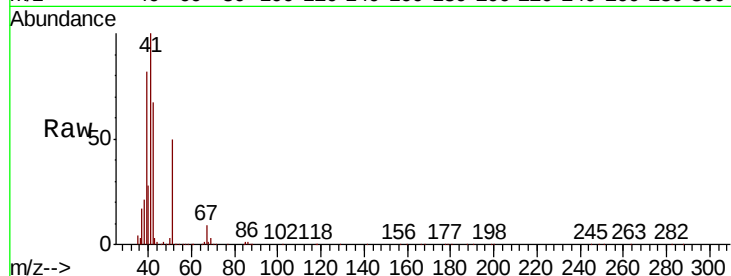
#9
 Propene
 Concen: 11.649 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 836780
 Ion Ratio Lower Upper
 41 100
 42 72.1 56.2 84.2

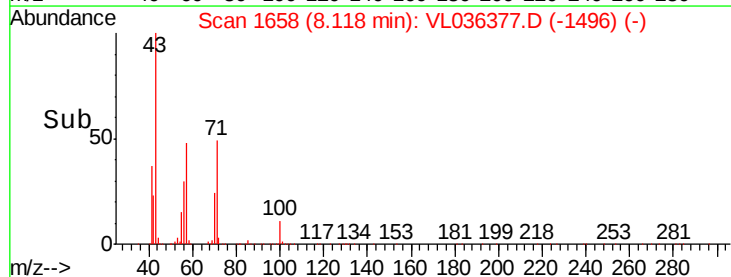
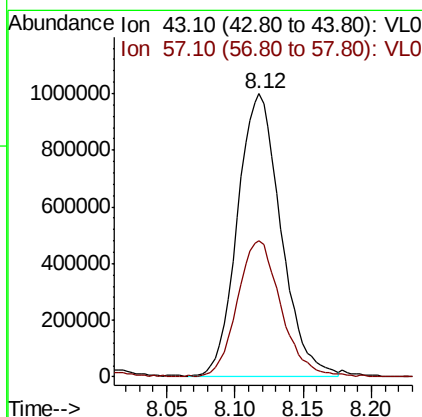
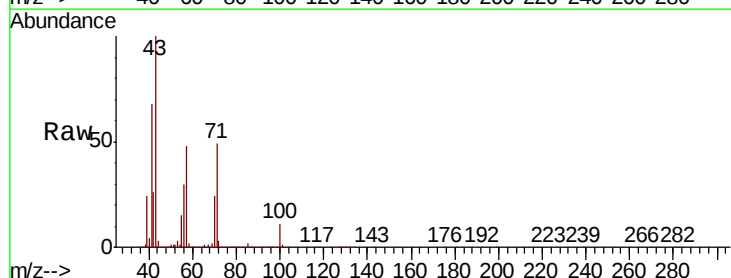
Manual Integrations
 APPROVED

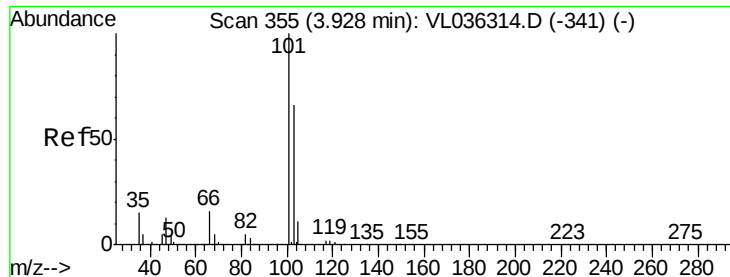
MMDadoda
 3/1/2021 10:01:52 AM



#10
 Heptane
 Concen: 10.356 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 43 Resp: 2192422
 Ion Ratio Lower Upper
 43 100
 57 49.0 39.4 59.2





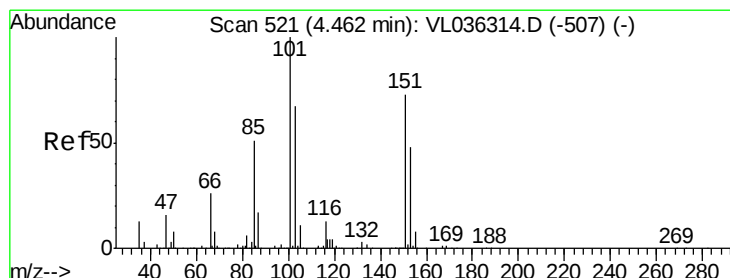
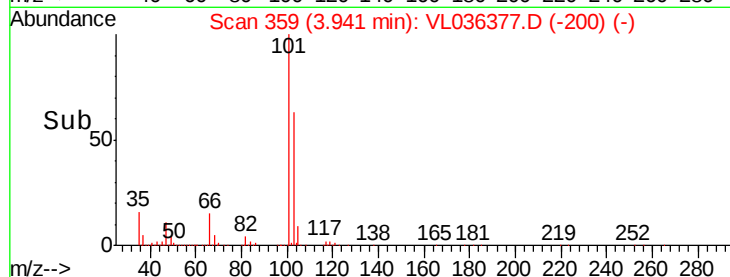
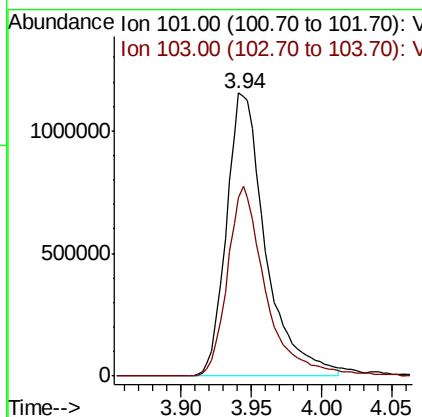
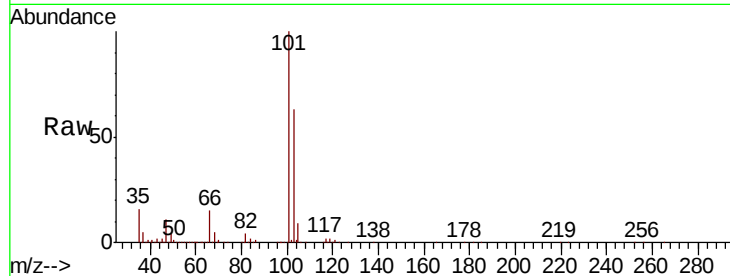
#11
 Trichlorofluoromethane
 Concen: 9.910 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2245751
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.9 79.3

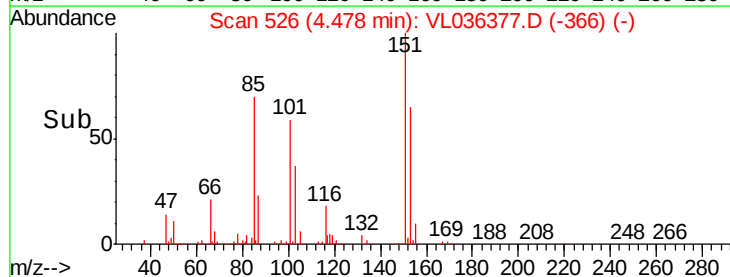
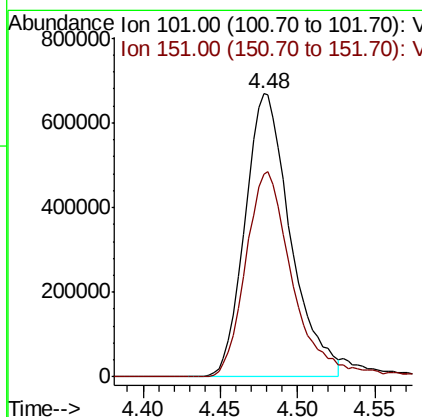
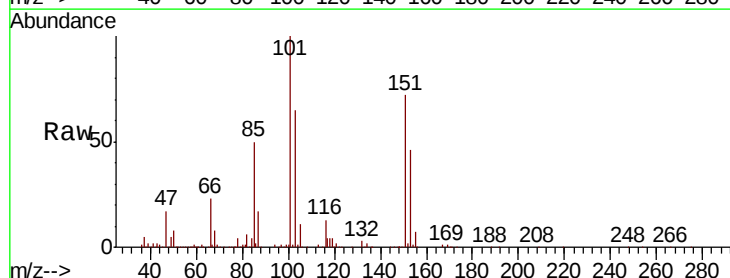
Manual Integrations
 APPROVED

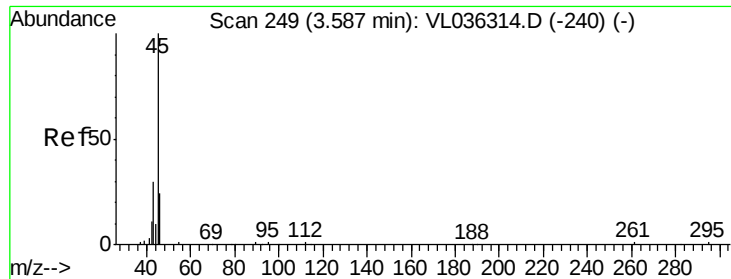
MMDadoda
 3/1/2021 10:01:52 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.770 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion:101 Resp: 1371441
 Ion Ratio Lower Upper
 101 100
 151 75.2 58.2 87.4





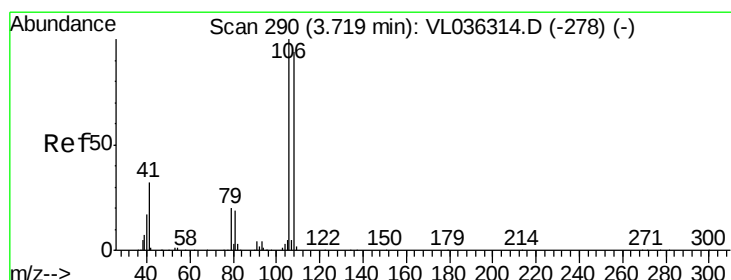
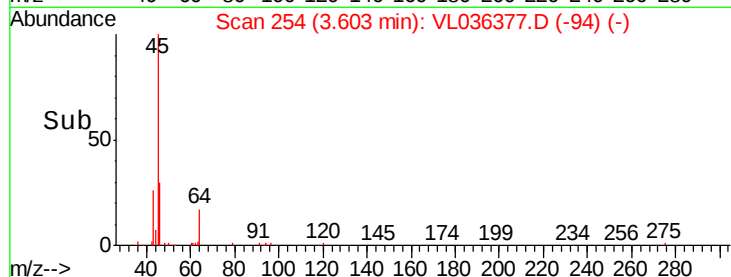
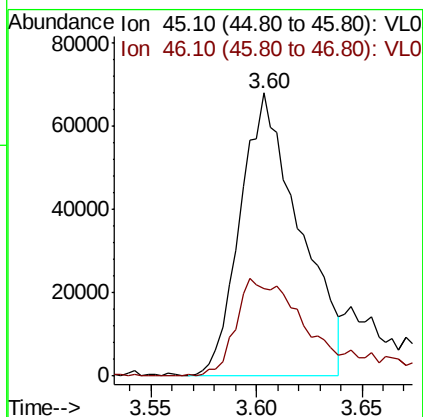
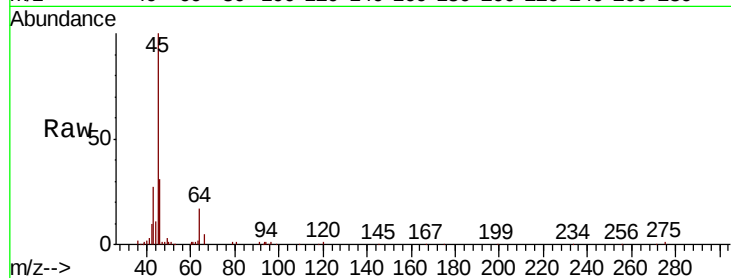
#13
Ethanol
Concen: 9.861 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	133050
Ion Ratio	100	Lower	Upper
46	48.1	17.7	70.7

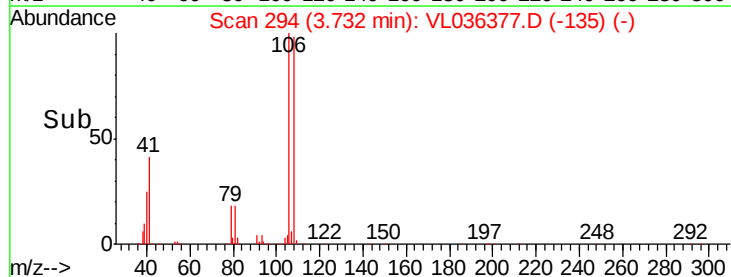
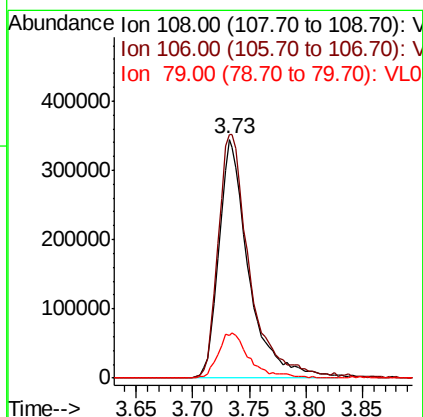
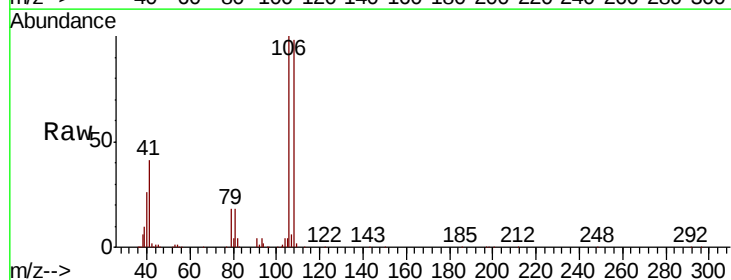
Manual Integrations
APPROVED

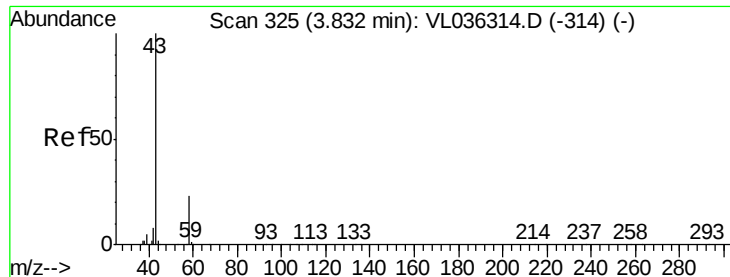
MMDadoda
3/1/2021 10:01:52 AM



#14
Bromoethene
Concen: 10.787 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion	108	Resp	633755
Ion Ratio	100	Lower	Upper
106	108.3	89.8	134.8
79	20.1	17.1	25.7





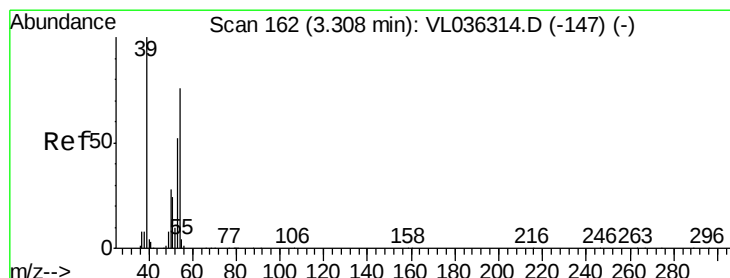
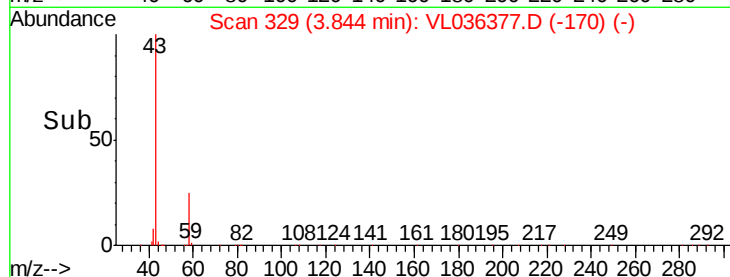
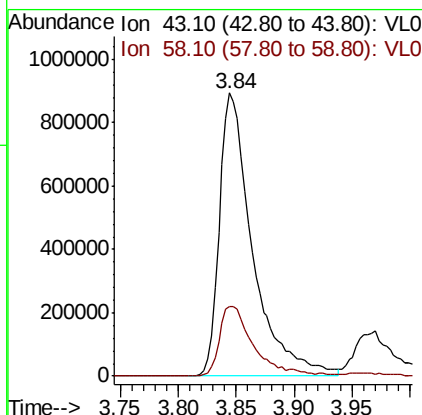
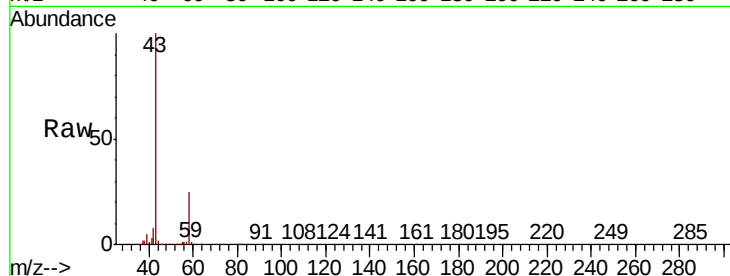
#15
Acetone
Concen: 9.360 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1774217
Ion Ratio Lower Upper
43 100
58 25.7 20.3 30.5

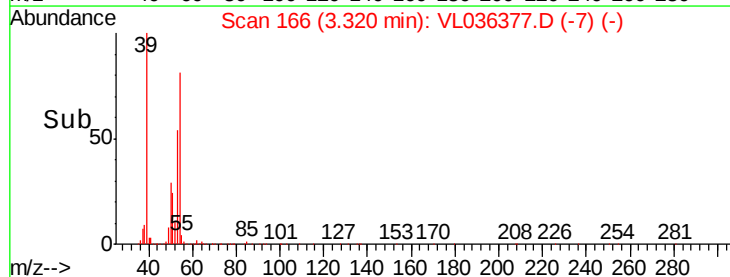
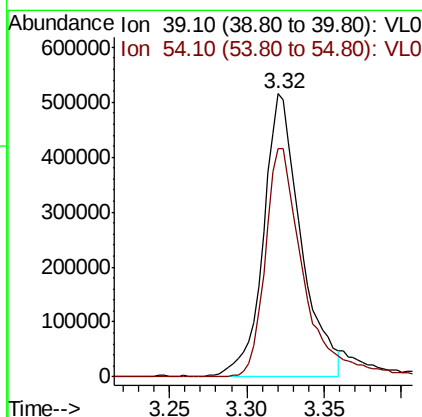
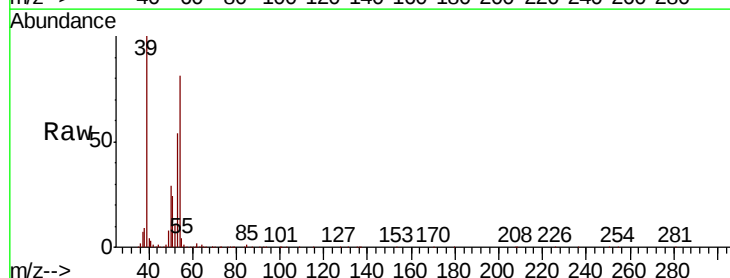
Manual Integrations
APPROVED

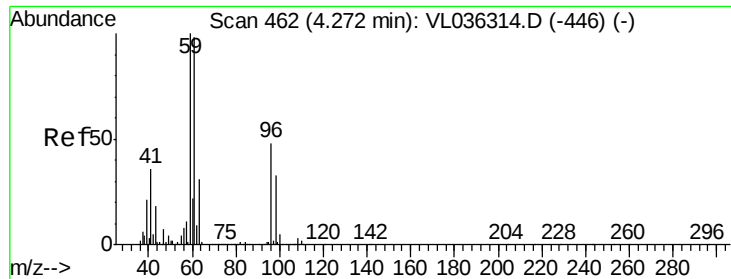
MMDadoda
3/1/2021 10:01:52 AM



#16
1,3-Butadiene
Concen: 9.546 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.01 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 39 Resp: 865268
Ion Ratio Lower Upper
39 100
54 84.2 64.4 96.6





#17

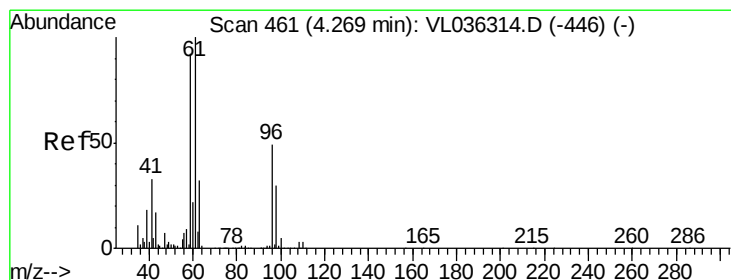
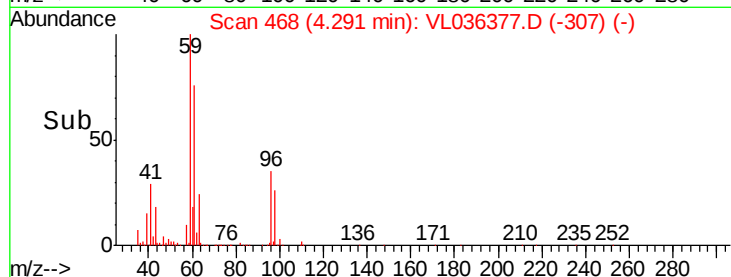
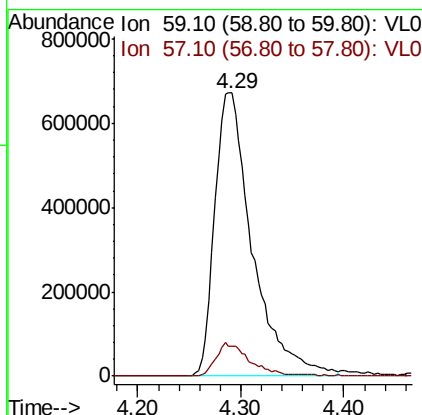
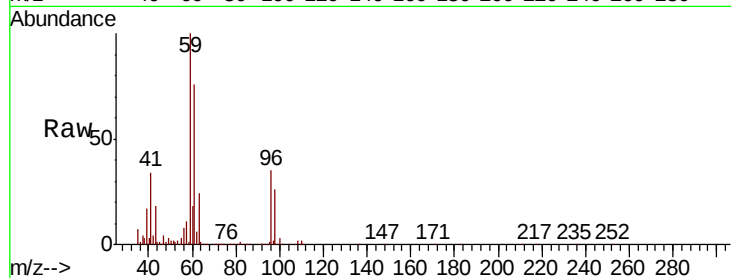
tert-Butyl alcohol
Concen: 11.572 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1702732
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

Manual Integrations
APPROVED

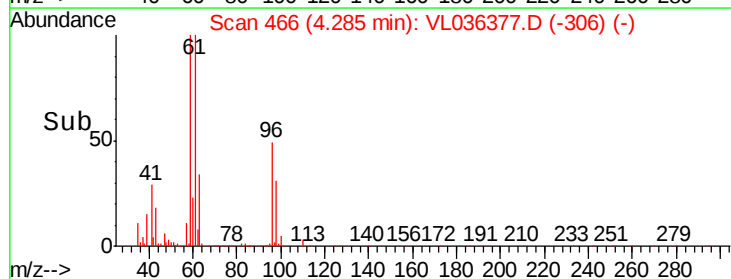
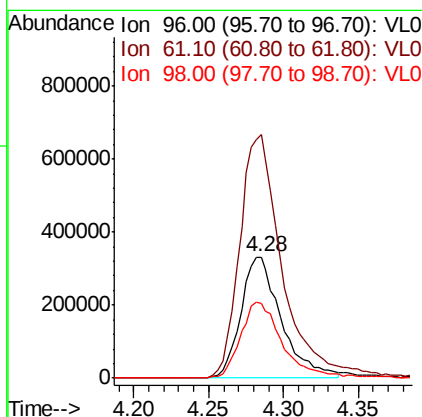
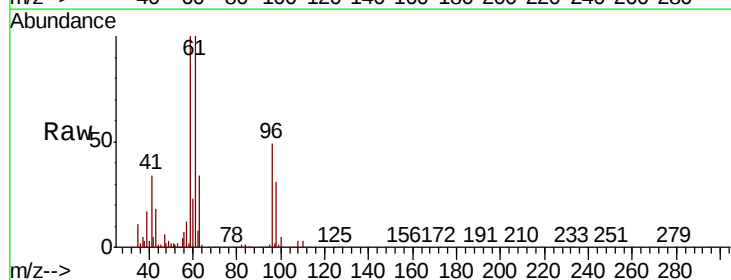
MMDadoda
3/1/2021 10:01:52 AM

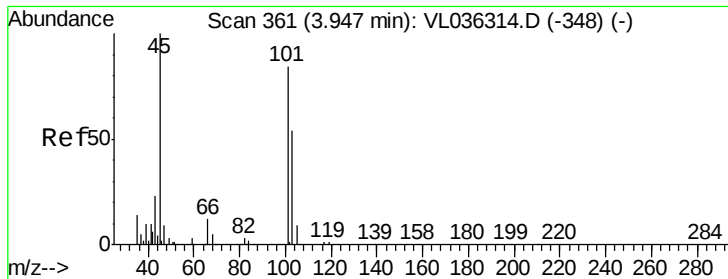


#18

1,1-Dichloroethene
Concen: 9.780 ppbv
RT: 4.28 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 96 Resp: 623902
Ion Ratio Lower Upper
96 100
61 201.5 162.5 243.7
98 61.8 48.5 72.7





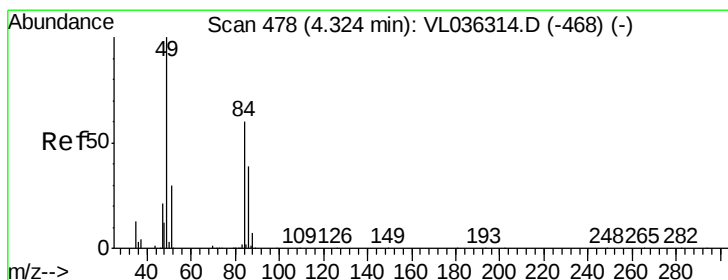
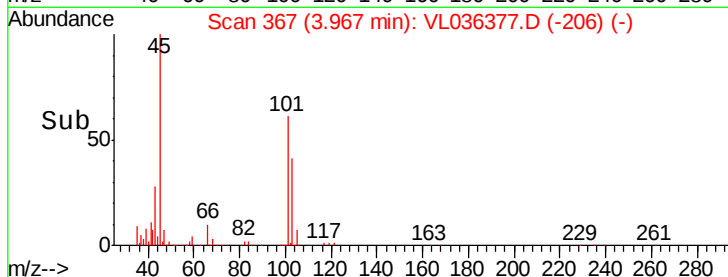
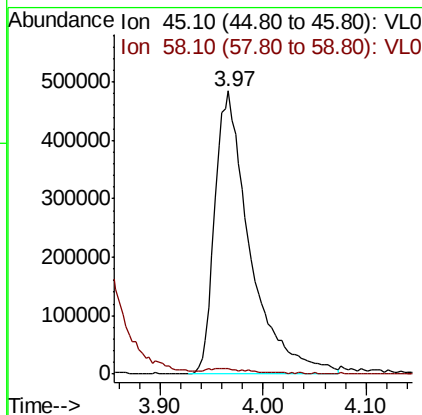
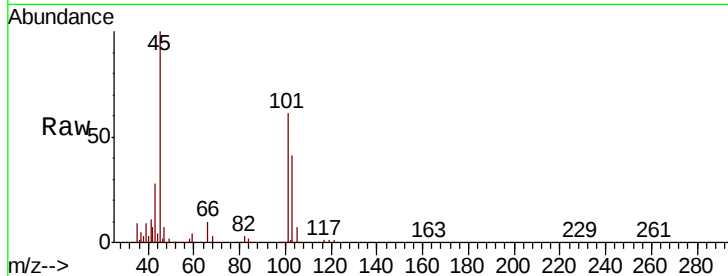
#19
Isopropyl Alcohol
Concen: 10.832 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 1137554
Ion Ratio Lower Upper
45 100
58 2.7 1.9 2.9

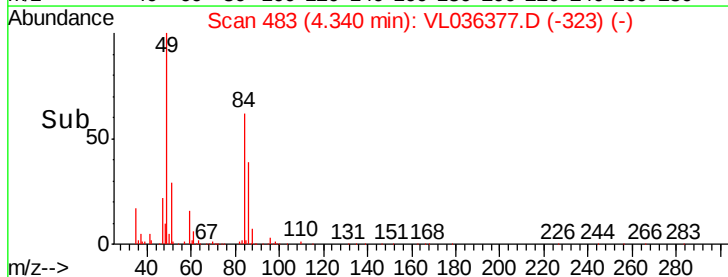
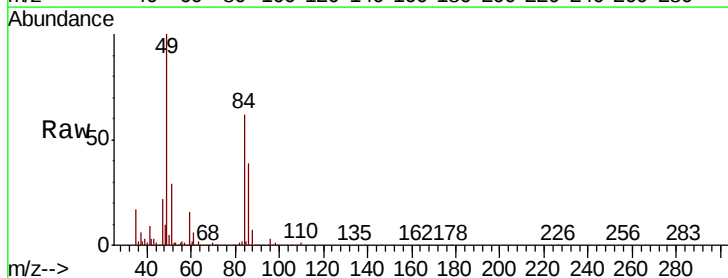
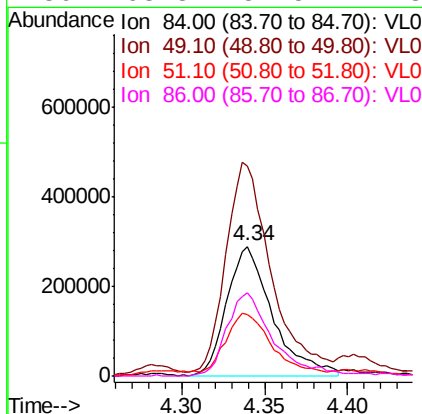
Manual Integrations
APPROVED

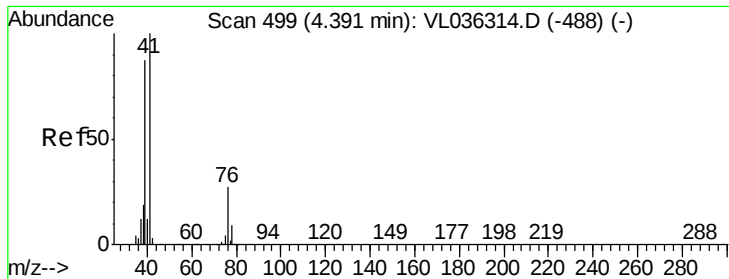
MMDadoda
3/1/2021 10:01:52 AM



#20
Methylene Chloride
Concen: 8.991 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 84 Resp: 549848
Ion Ratio Lower Upper
84 100
49 160.0 133.8 200.8
51 44.6 41.4 62.0
86 63.8 51.5 77.3





#21

Allvl Chloride

Concen: 10.248 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

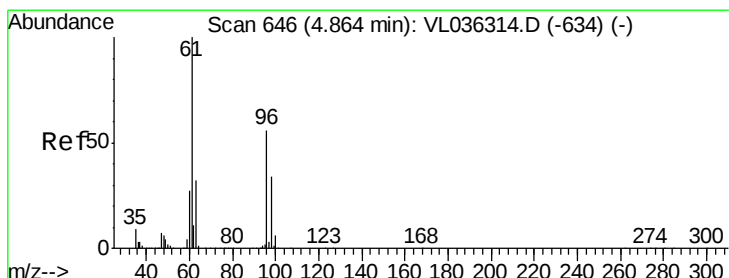
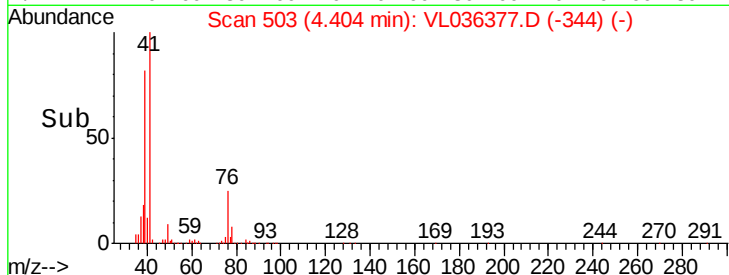
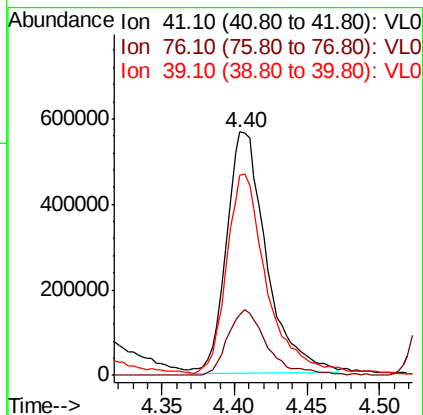
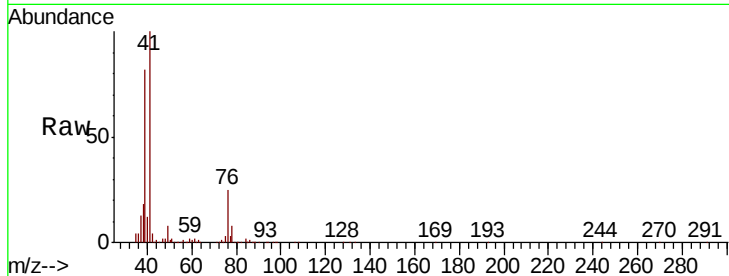
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	1081497
Ion	Ratio	Lower	Upper
41	100		
76	27.2	22.0	33.0
39	83.8	70.2	105.2

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM



#22

trans-1,2-Dichloroethene

Concen: 10.577 ppbv

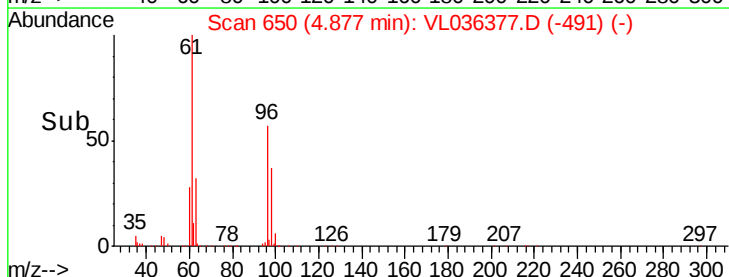
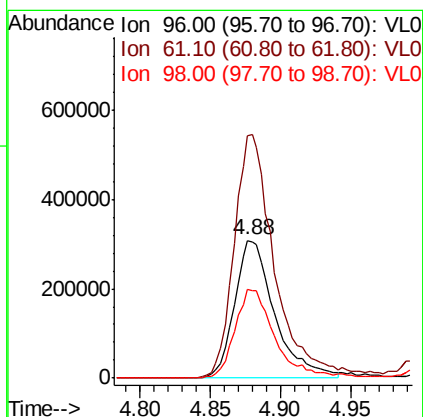
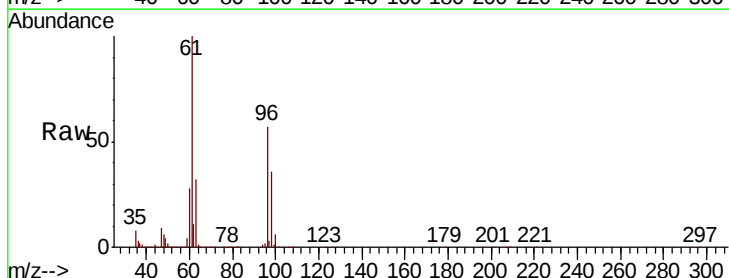
RT: 4.88 min Scan# 650

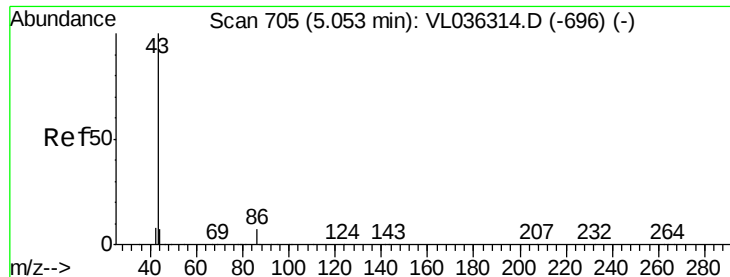
Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion:	96	Resp:	612945
Ion	Ratio	Lower	Upper
96	100		
61	176.7	143.7	215.5
98	64.4	48.5	72.7





#23

Vinyl Acetate

Concen: 10.309 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VL036377.D

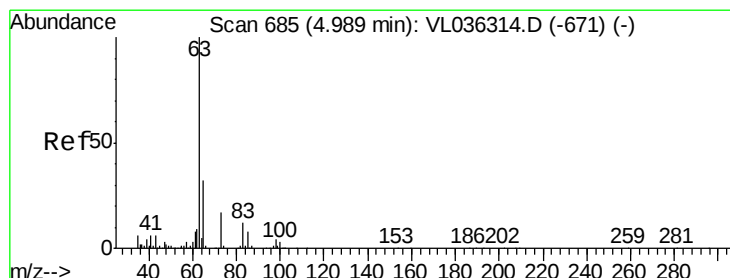
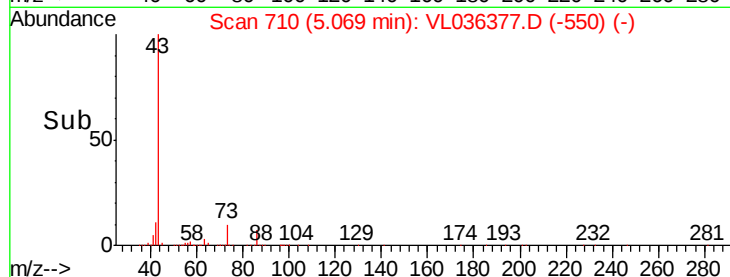
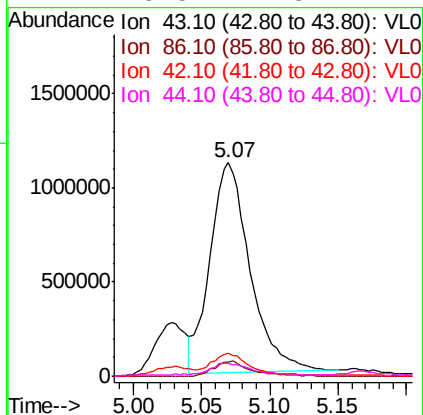
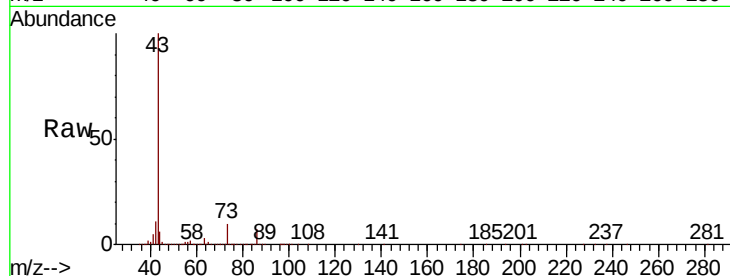
Acq: 25 Feb 2021 10:02

Tot Ion:	43	Resp:	2297555
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.8	7.2
42	10.7	7.4	11.0
44	5.5	4.8	7.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM



#24

1,1-Dichloroethane

Concen: 10.323 ppbv

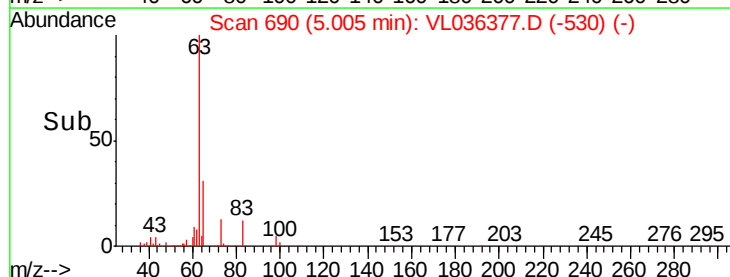
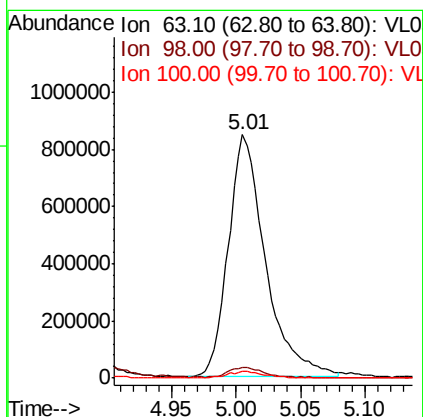
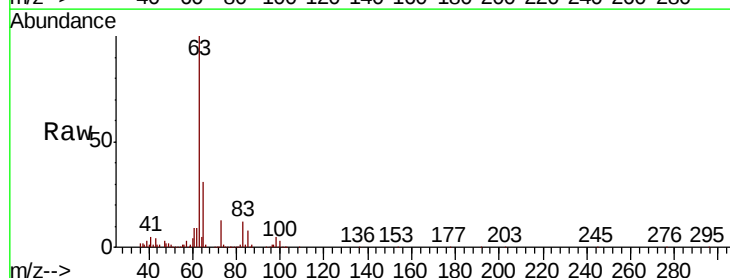
RT: 5.01 min Scan# 690

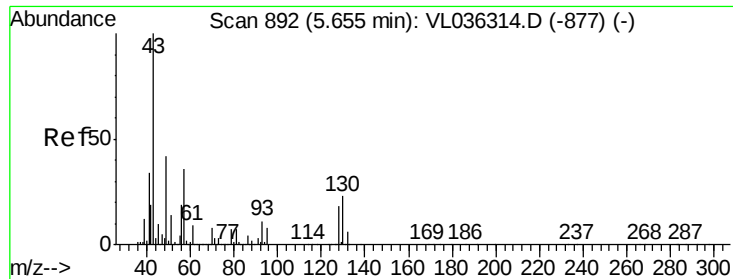
Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion:	63	Resp:	1701476
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.5	1.5	4.4





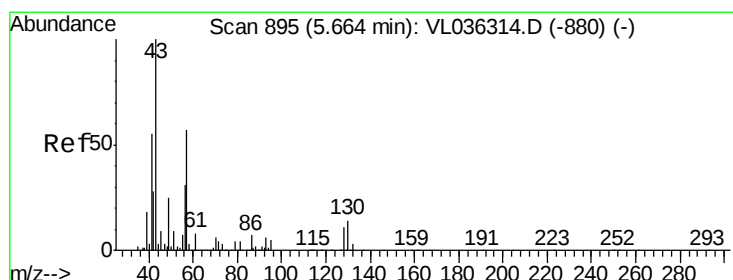
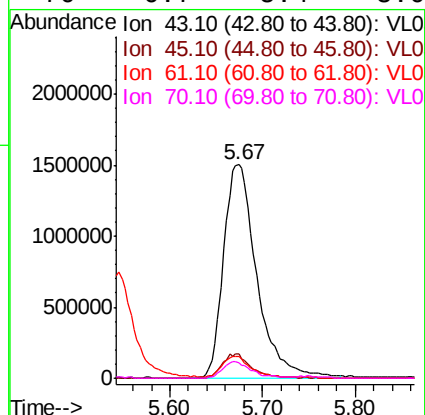
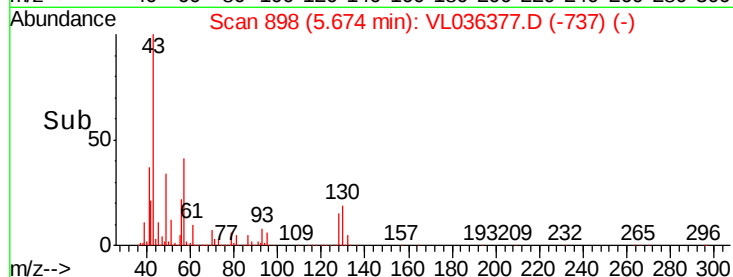
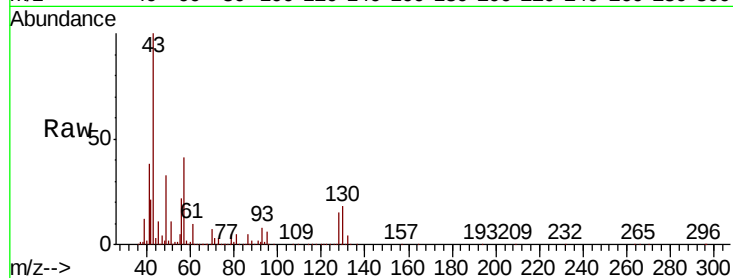
#25
Ethyl Acetate
Concen: 10.208 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.4	7.3	10.9
70	6.7	5.4	8.0

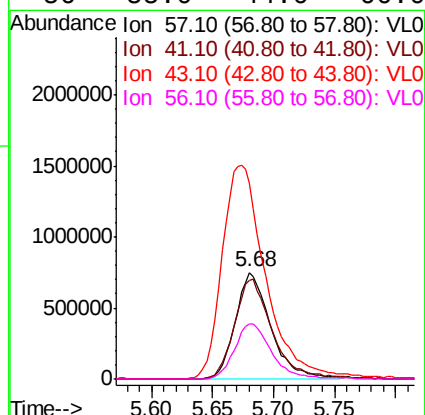
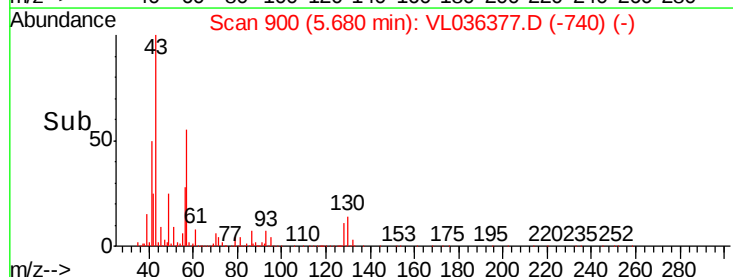
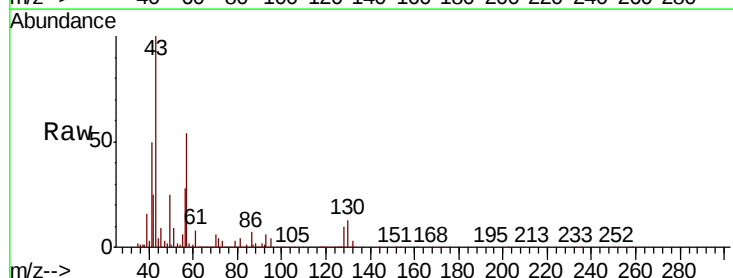
Manual Integrations
APPROVED

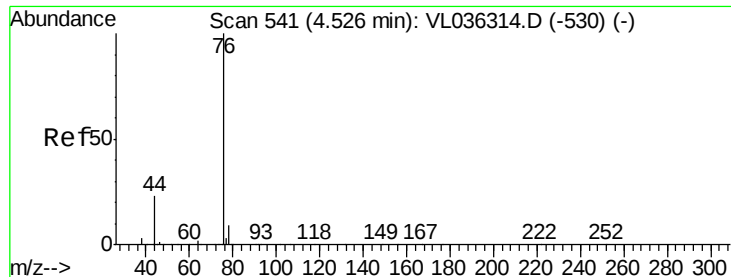
MMDadoda
3/1/2021 10:01:52 AM



#26
Hexane
Concen: 10.006 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.2	81.7	122.5
43	249.8	199.1	298.7
56	55.0	44.0	66.0





#27

Carbon Disulfide

Concen: 11.458 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1583275

Ion Ratio Lower Upper

76 100

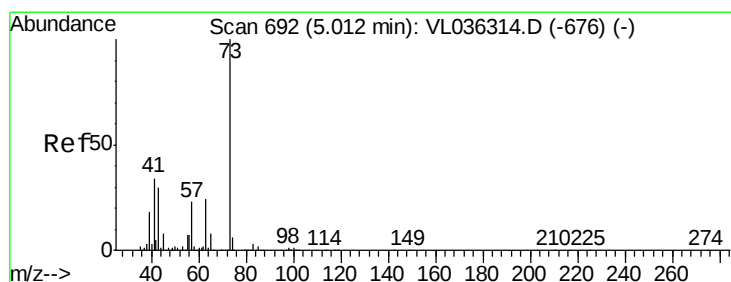
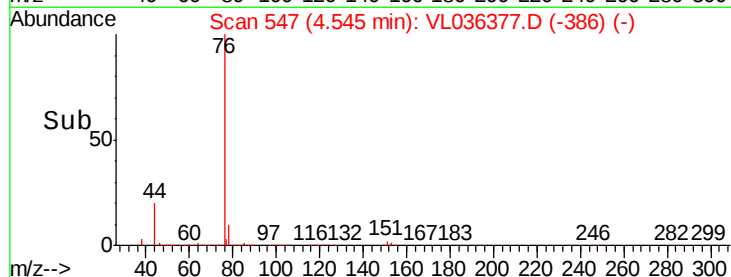
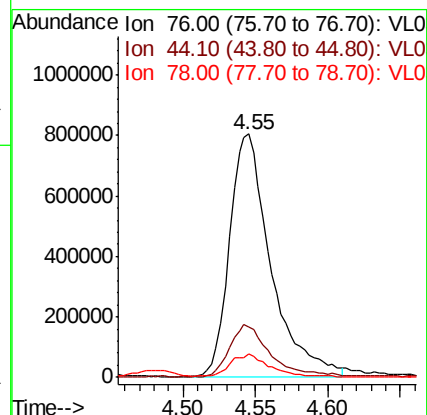
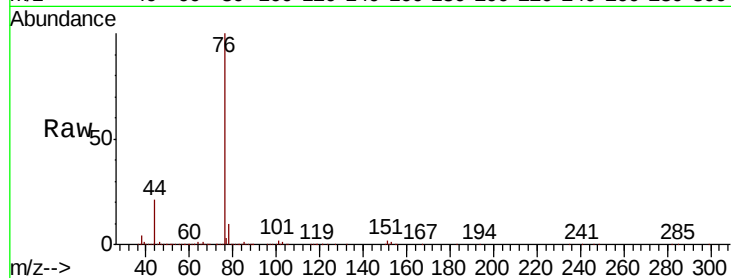
44 21.9 18.4 27.6

78 10.1 8.0 12.0

Manual Integrations
APPROVED

MMDadoda

3/1/2021 10:01:52 AM



#28

Methyl tert-Butyl Ether

Concen: 10.814 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL036377.D

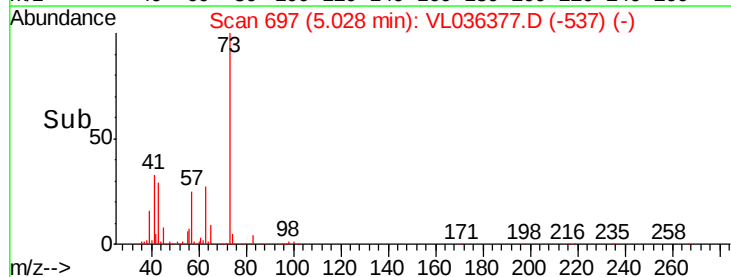
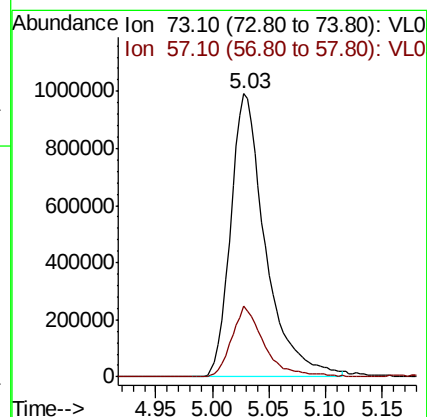
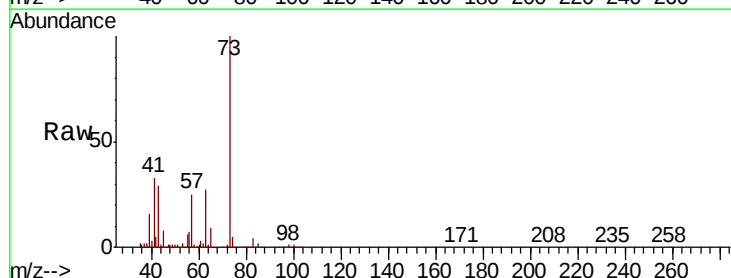
Acq: 25 Feb 2021 10:02

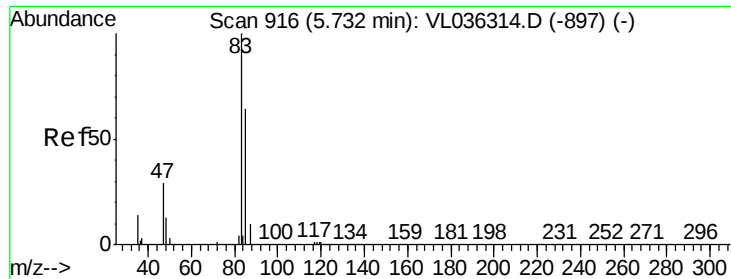
Tgt Ion: 73 Resp: 2124053

Ion Ratio Lower Upper

73 100

57 23.6 19.2 28.8





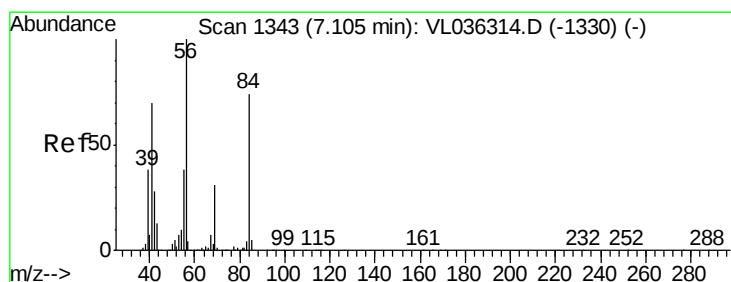
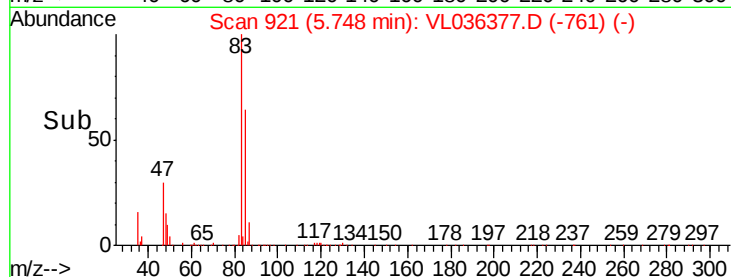
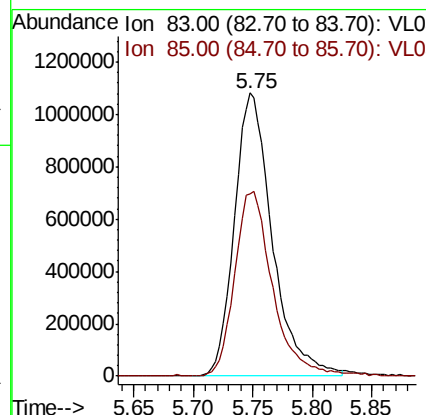
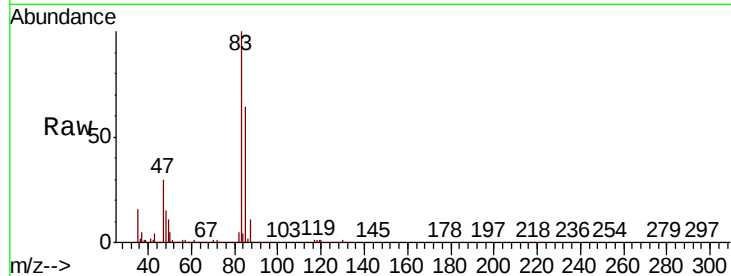
#29
Chloroform
Concen: 9.850 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2385943
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2

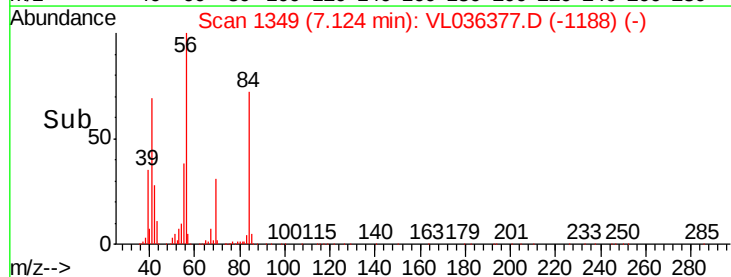
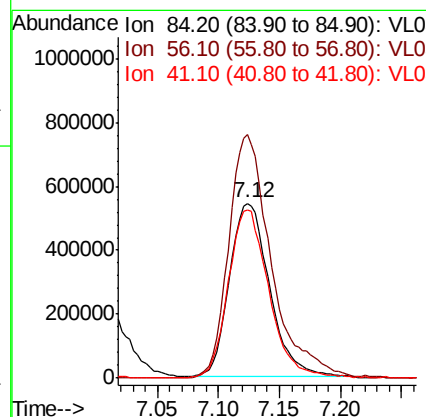
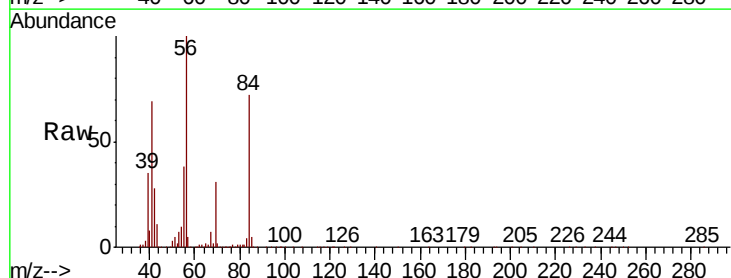
Manual Integrations
APPROVED

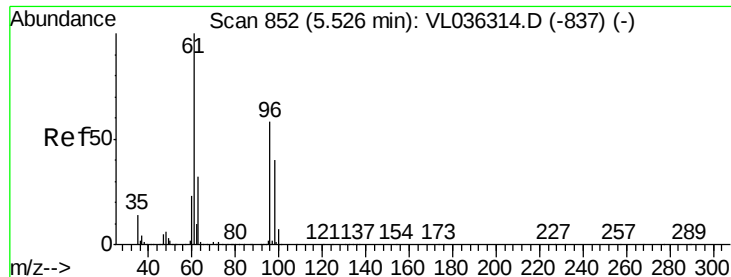
MMDadoda
3/1/2021 10:01:52 AM



#30
Cyclohexane
Concen: 9.966 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 84 Resp: 1246171
Ion Ratio Lower Upper
84 100
56 150.0 120.2 180.4
41 97.9 79.7 119.5





#31

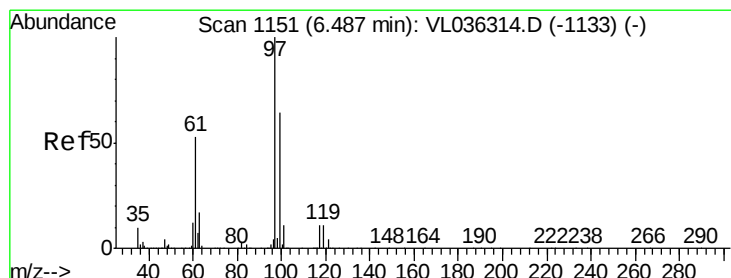
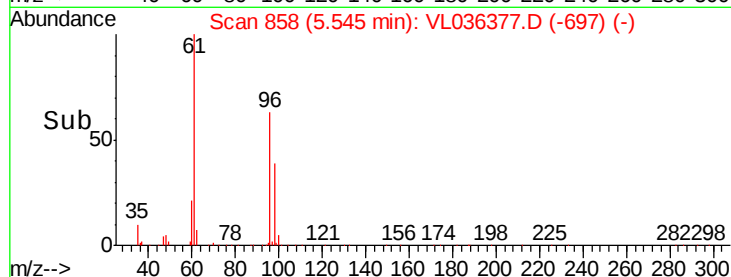
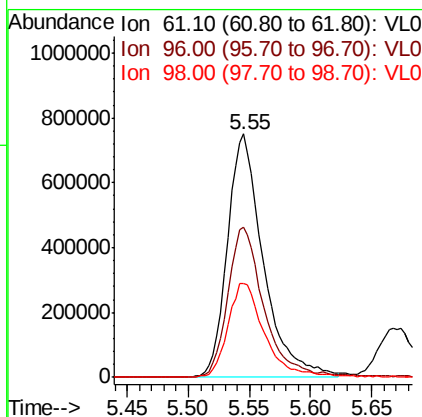
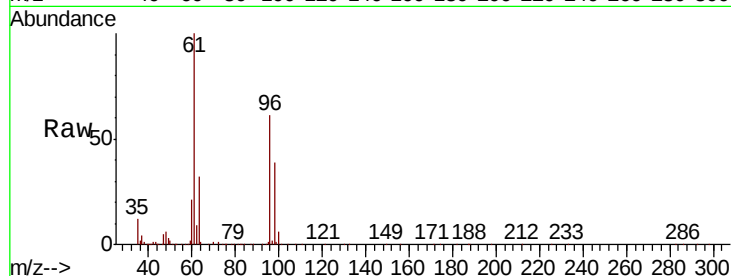
cis-1,2-Dichloroethene
 Concen: 10.303 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.5	46.0	69.0
98	38.6	31.9	47.9

Manual Integrations
 APPROVED

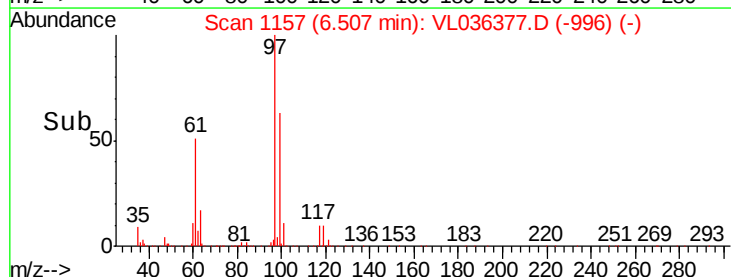
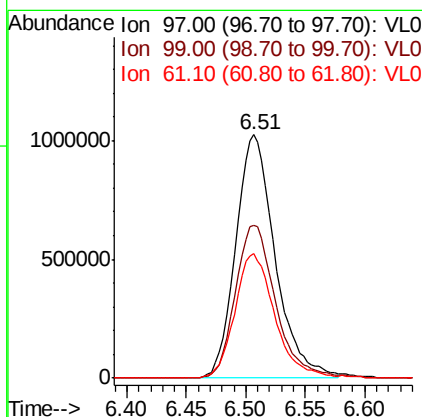
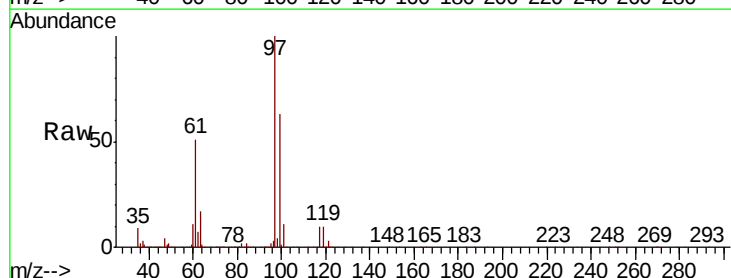
MMDadoda
 3/1/2021 10:01:52 AM

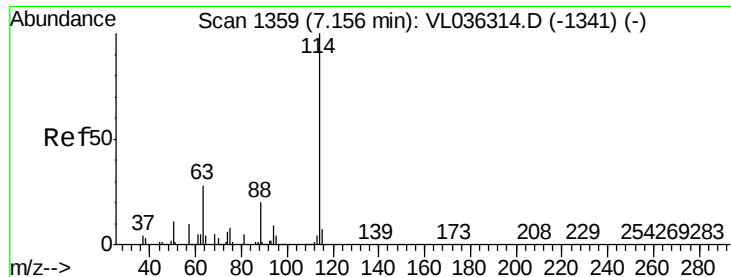


#32

1,1,1-Trichloroethane
 Concen: 10.384 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.4
61	52.1	43.3	64.9





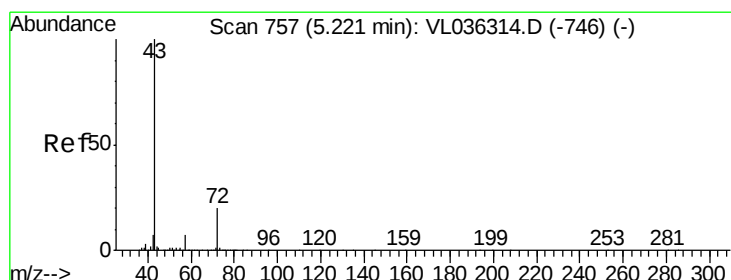
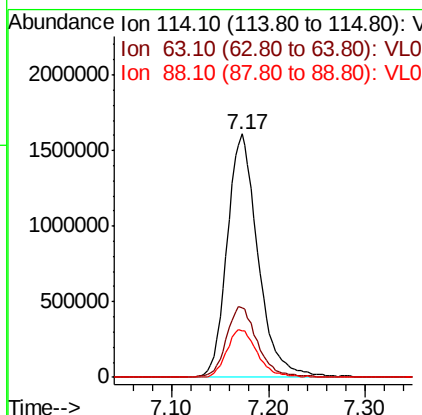
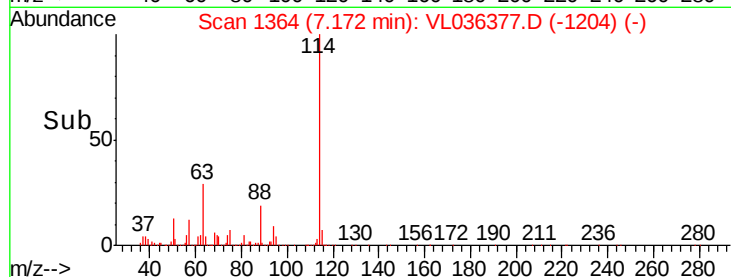
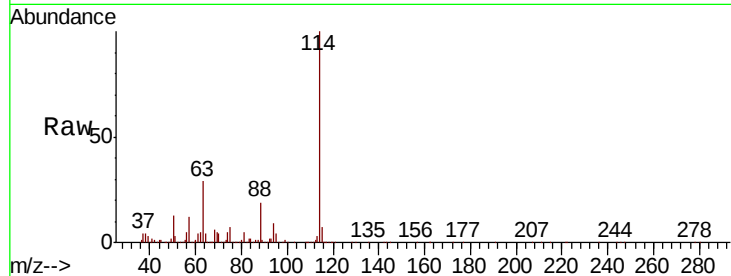
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3566299
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 19.8 16.0 24.0

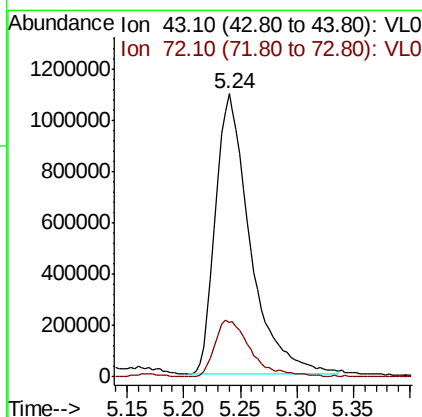
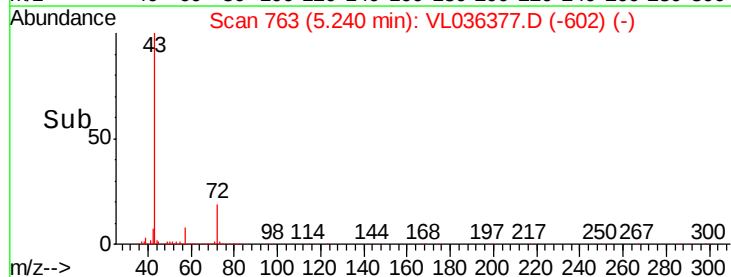
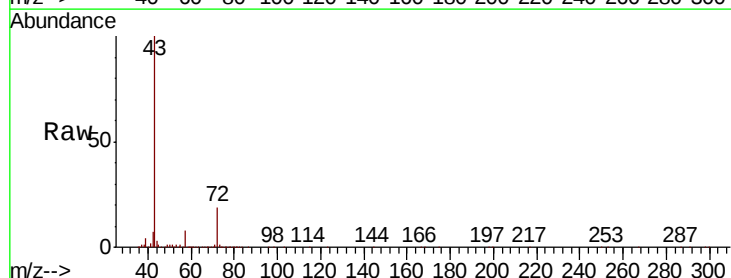
Manual Integrations
 APPROVED

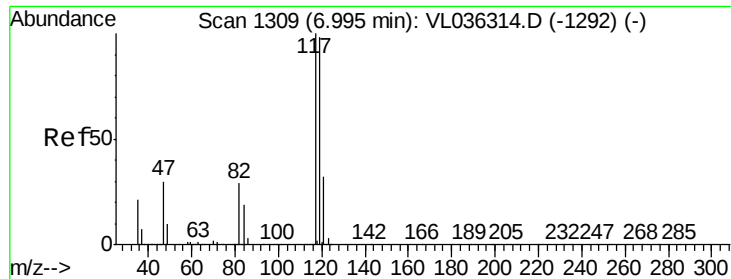
MMDadoda
 3/1/2021 10:01:52 AM



#34
 2-Butanone
 Concen: 9.899 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 43 Resp: 2345599
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.7 25.1





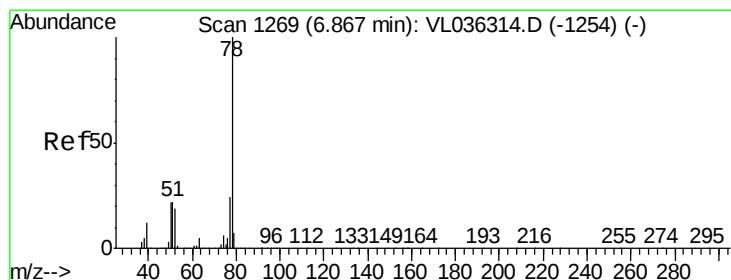
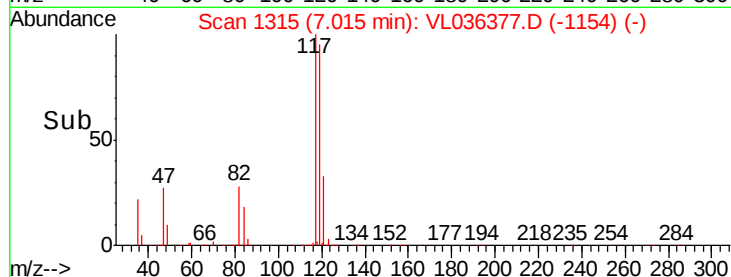
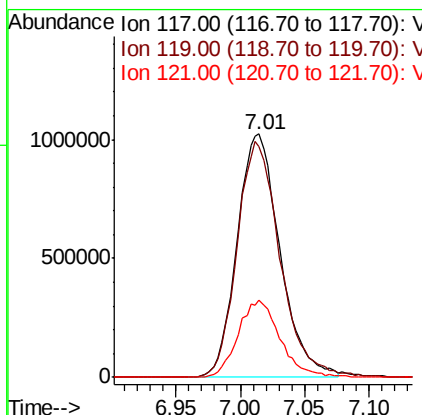
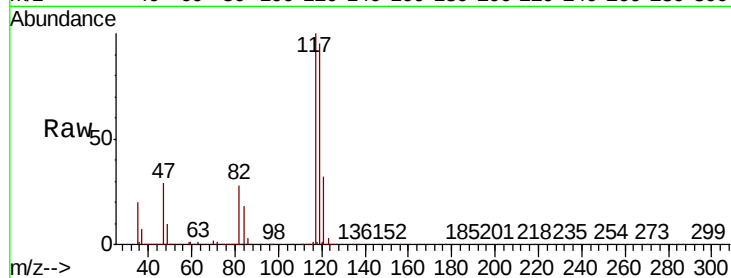
#35
Carbon Tetrachloride
Concen: 9.911 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.1	117.1
121	32.0	25.8	38.8

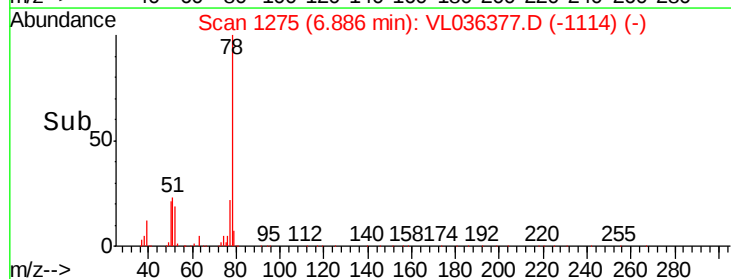
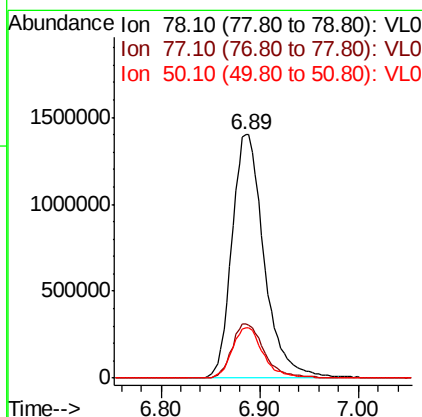
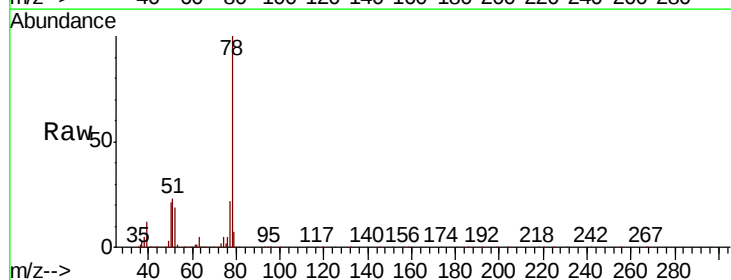
Manual Integrations
APPROVED

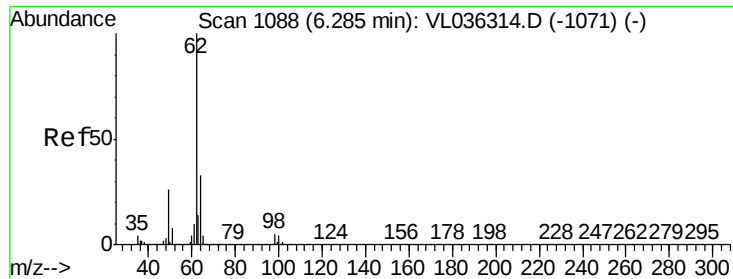
MMDadoda
3/1/2021 10:01:52 AM



#36
Benzene
Concen: 10.435 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.9	28.3
50	20.9	17.3	25.9





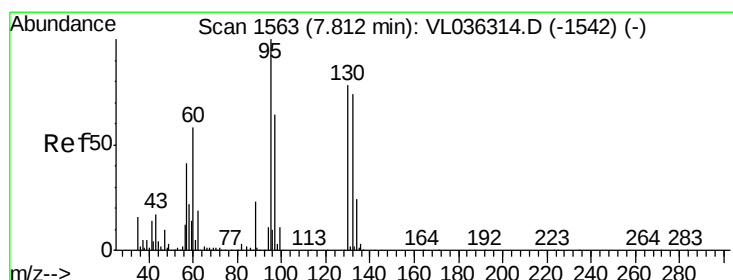
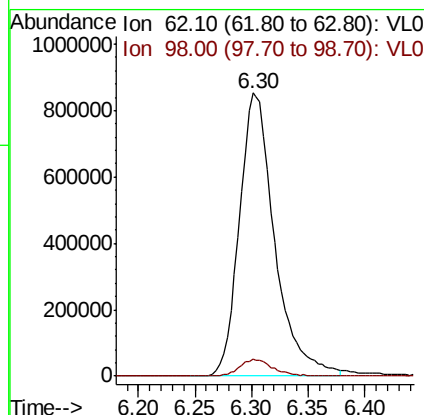
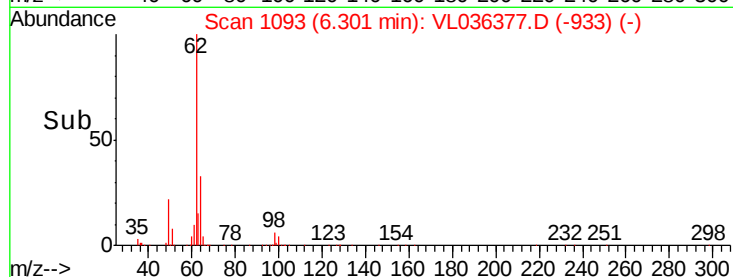
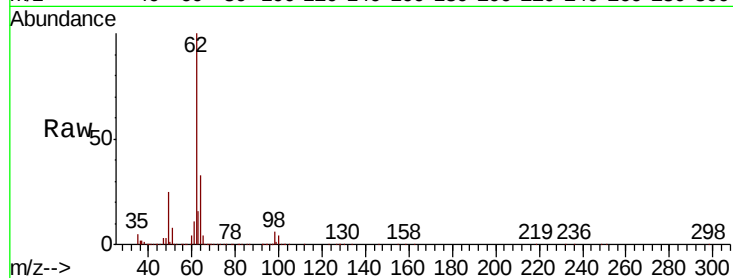
#37
 1,2-Dichloroethane
 Concen: 9.903 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.5	6.7

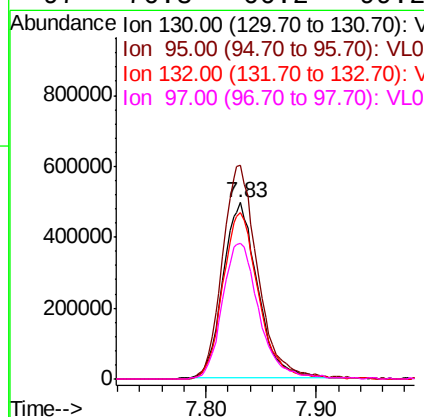
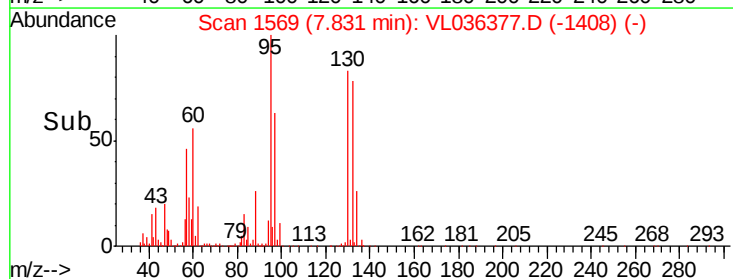
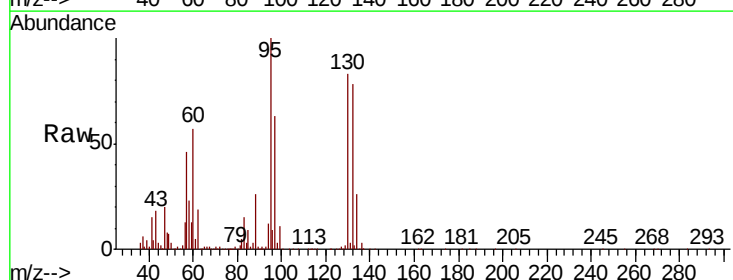
Manual Integrations
 APPROVED

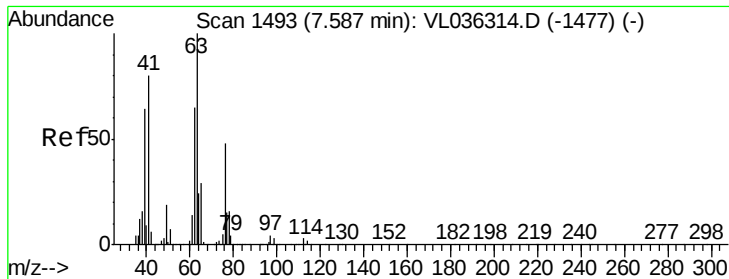
MMDadoda
 3/1/2021 10:01:52 AM



#38
 Trichloroethene
 Concen: 9.923 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.5	102.8	154.2
132	94.5	75.7	113.5
97	76.8	66.2	99.2





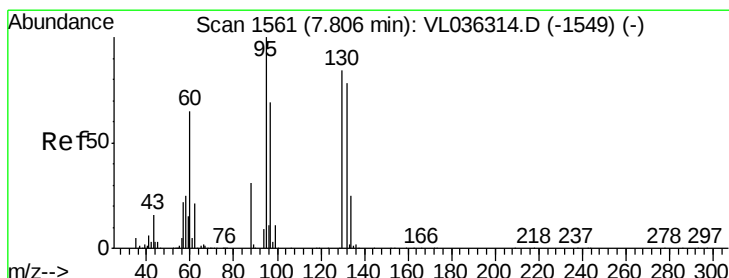
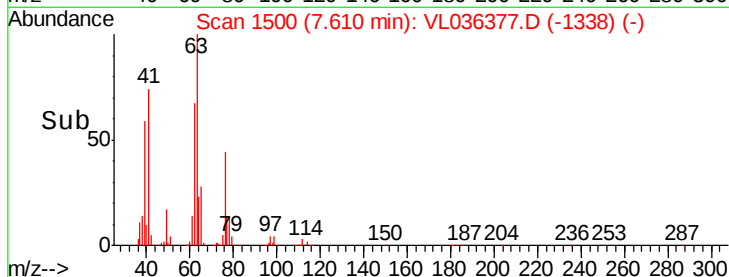
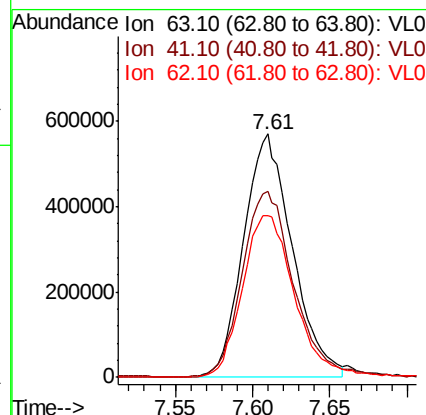
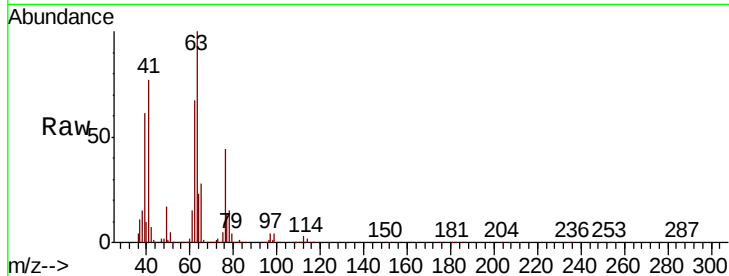
#39
 1,2-Dichloropropane
 Concen: 10.102 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.2	63.8	95.6
62	66.5	52.3	78.5

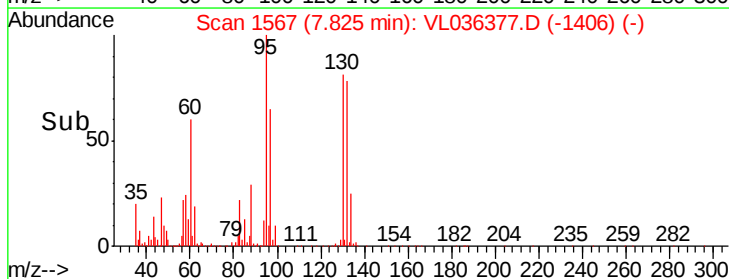
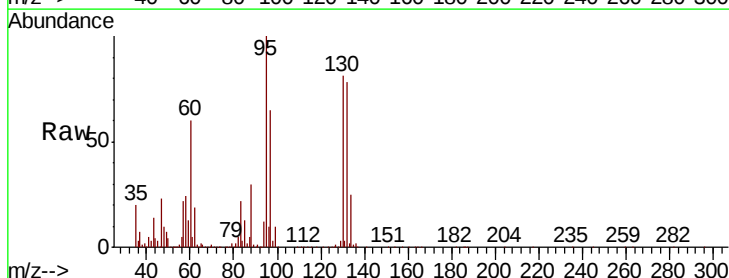
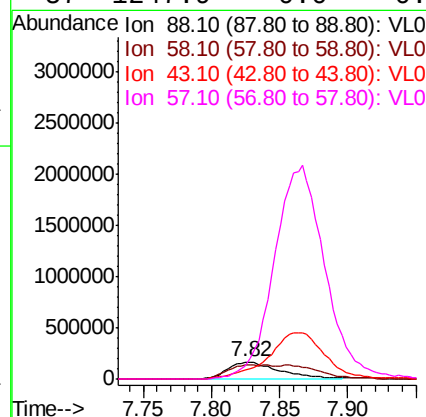
Manual Integrations
 APPROVED

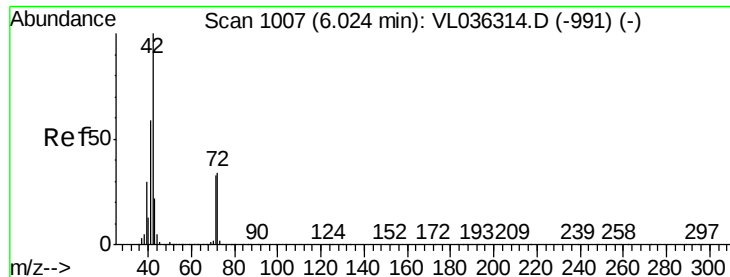
MMDadoda
 3/1/2021 10:01:52 AM



#40
 1,4-Dioxane
 Concen: 10.166 ppbv
 RT: 7.82 min Scan# 1567
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	140.1	45.0	67.4#
43	302.7	0.0	0.0#
57	1247.9	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.728 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

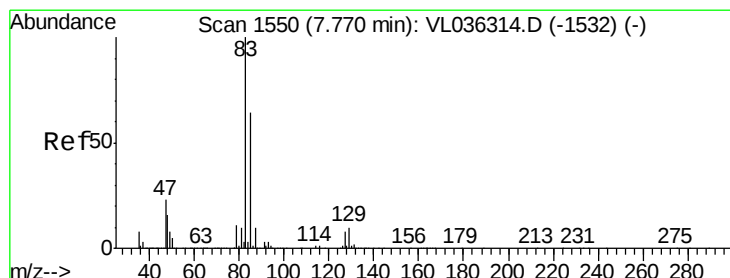
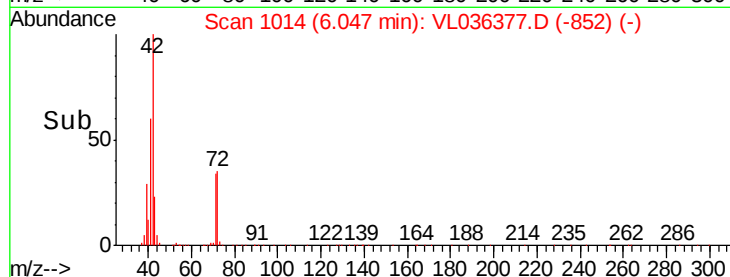
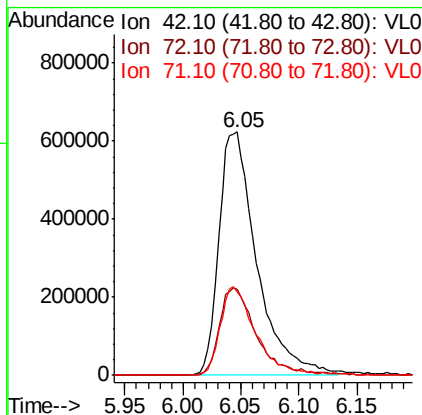
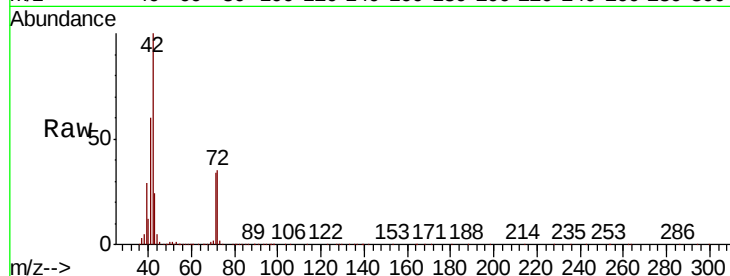
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	1418551
Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.3	43.9
71	34.8	27.8	41.8

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM



#42

Bromodichloromethane

Concen: 10.368 ppbv

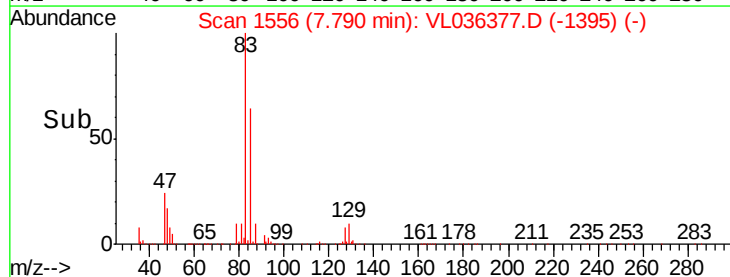
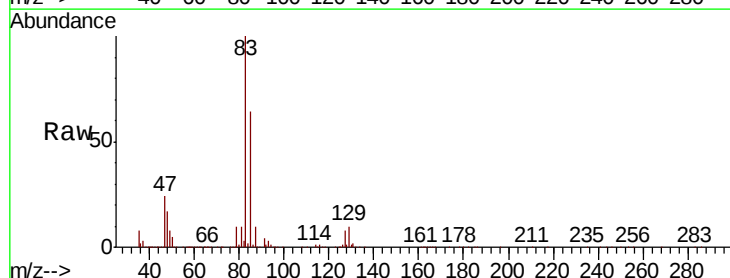
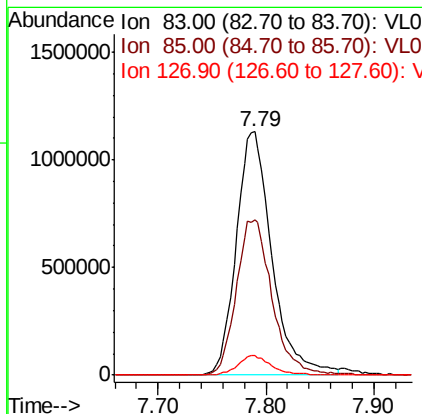
RT: 7.79 min Scan# 1556

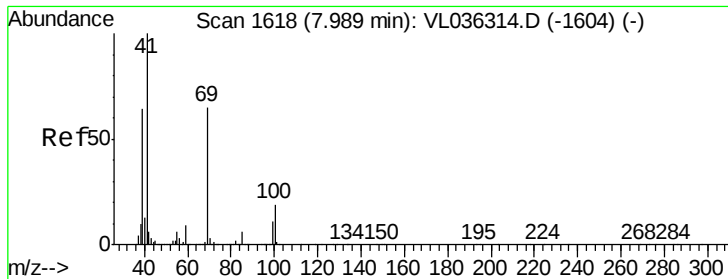
Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion:	83	Resp:	2600893
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.8	6.3	9.5





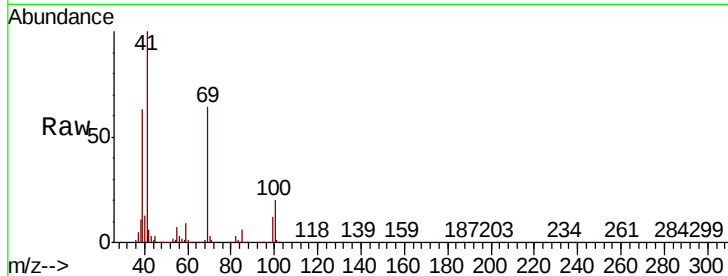
#43
Methvl Methacrylate
Concen: 10.736 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

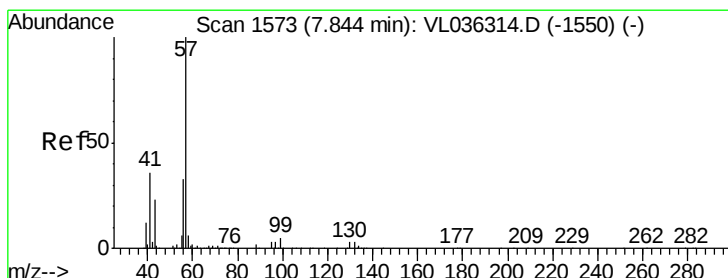
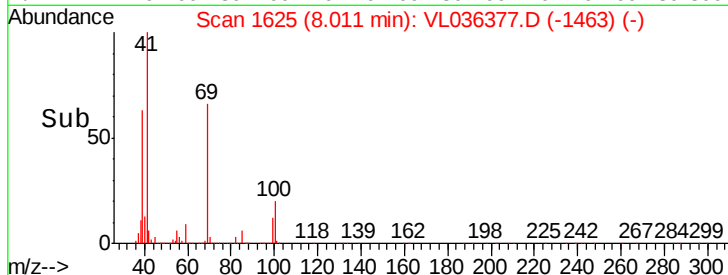
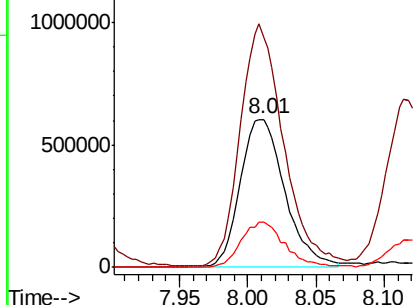
Tot Ion: 69 Resp: 1371684
Ion Ratio Lower Upper
69 100
41 161.2 126.5 189.7
100 30.3 23.1 34.7

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM

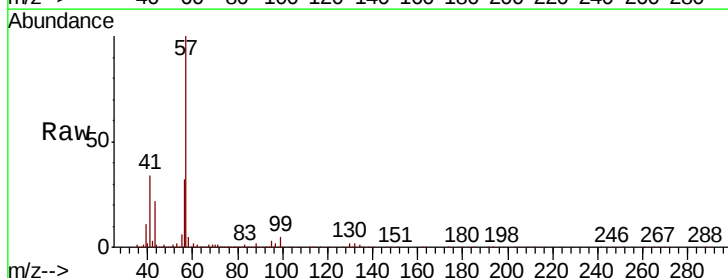


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

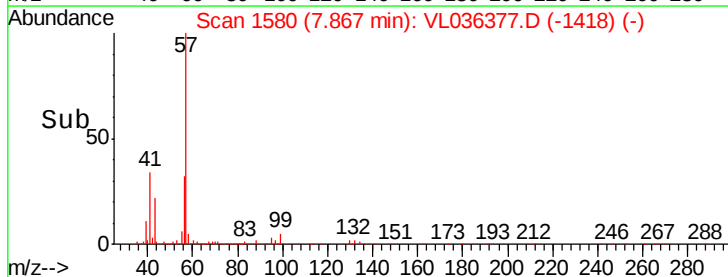
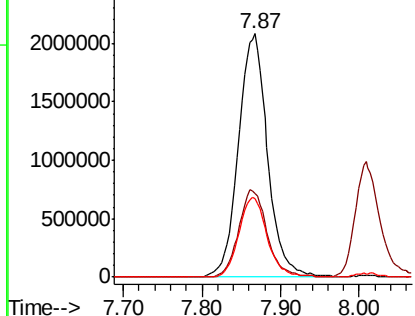


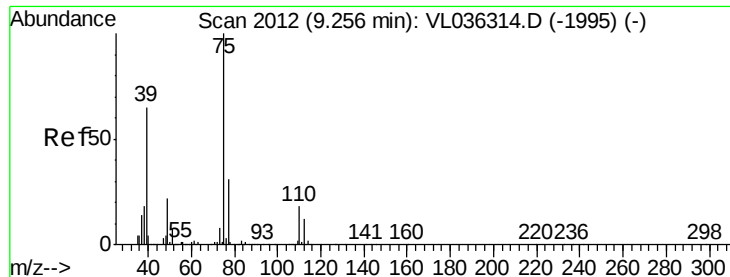
#44
2,2,4-Trimethylpentane
Concen: 9.808 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 57 Resp: 5402890
Ion Ratio Lower Upper
57 100
41 34.8 28.8 43.2
56 31.9 25.8 38.6



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





#45

t-1,3-Dichloropropene

Concen: 12.248 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1509582

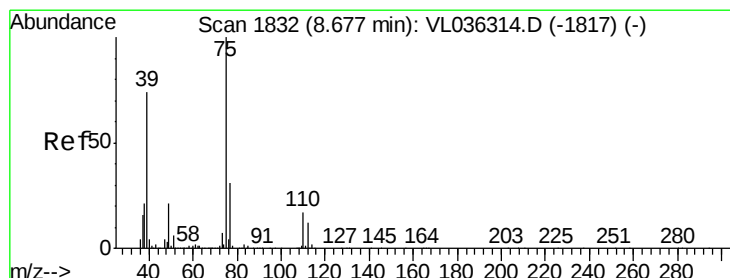
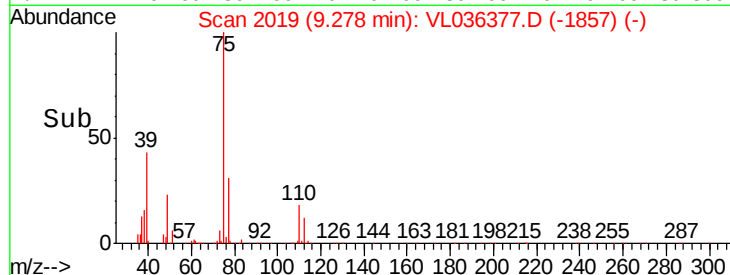
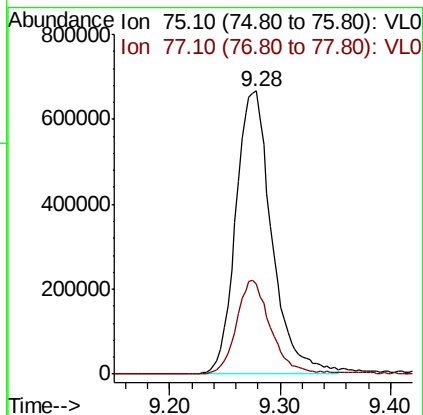
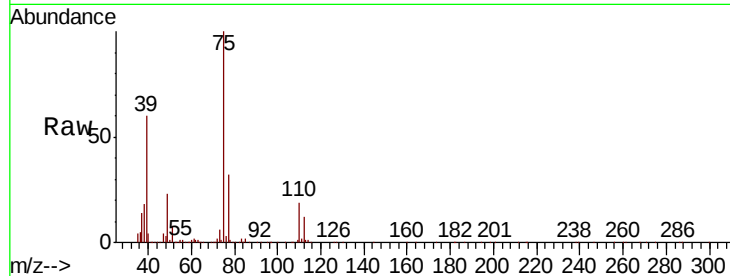
Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM



#46

cis-1,3-Dichloropropene

Concen: 11.544 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

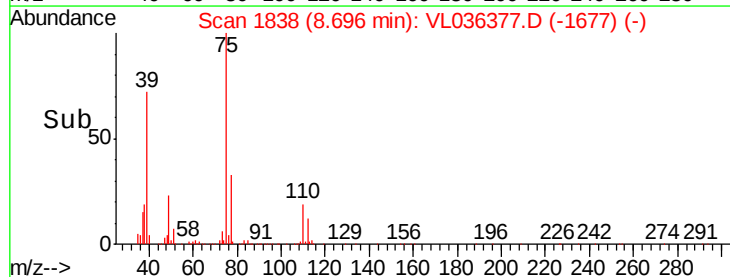
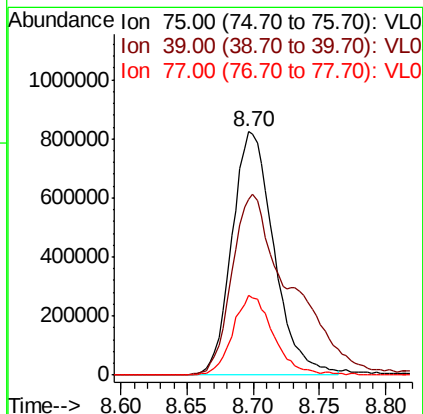
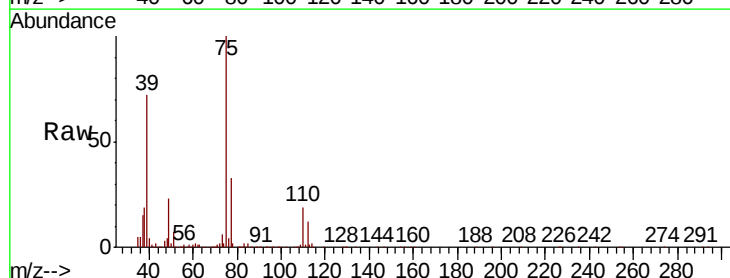
Tgt Ion: 75 Resp: 1807257

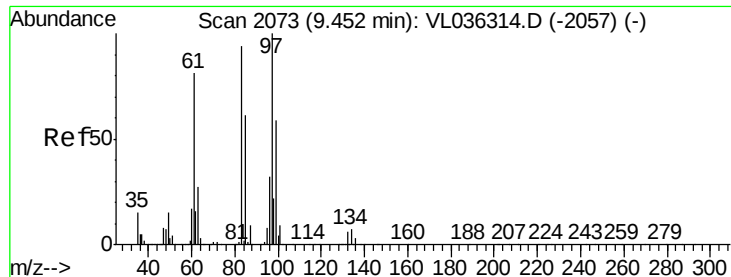
Ion Ratio Lower Upper

75 100

39 72.1 59.2 88.8

77 32.9 25.0 37.6





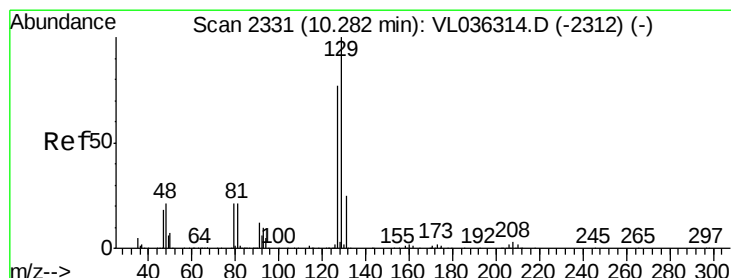
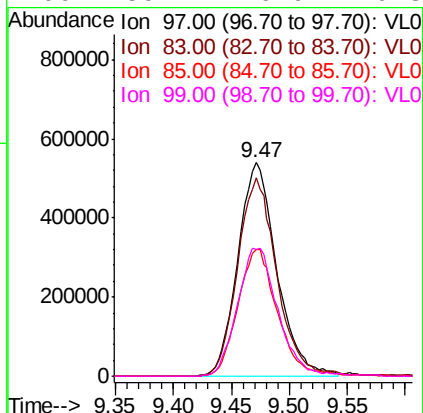
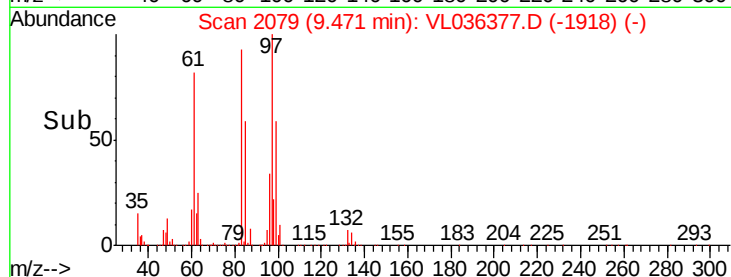
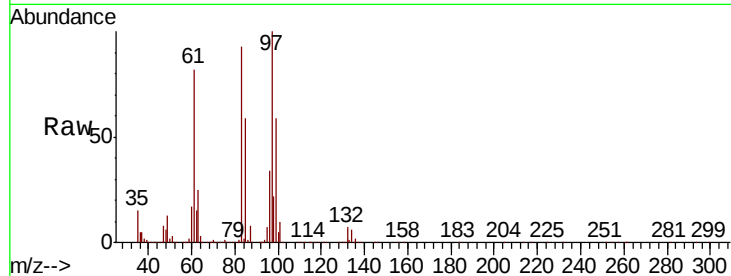
#47
 1,1,2-Trichloroethane
 Concen: 10.007 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.8	75.4	113.0	
85	59.1	48.9	73.3	
99	59.4	46.9	70.3	

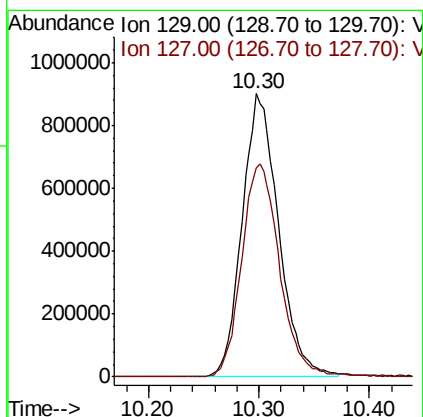
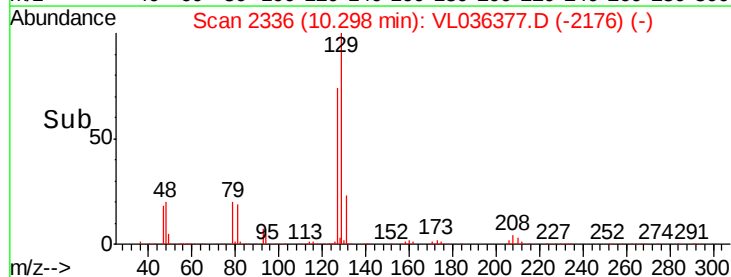
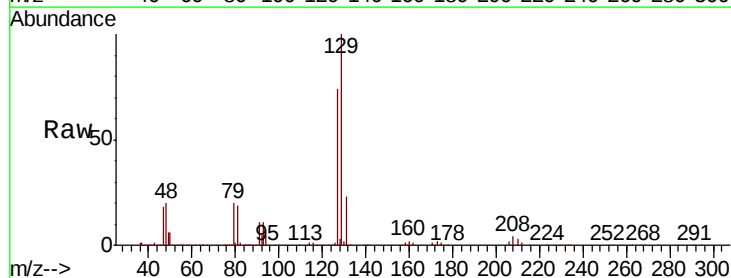
Manual Integrations
 APPROVED

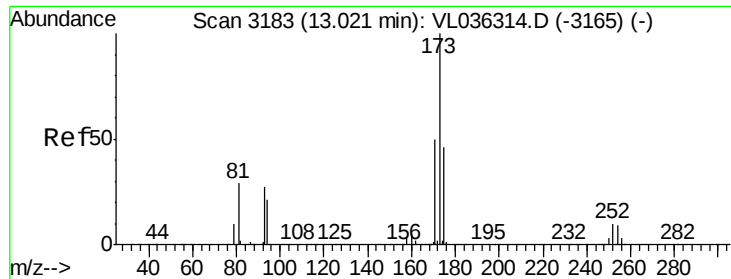
MMDadoda
 3/1/2021 10:01:52 AM



#48
 Dibromochloromethane
 Concen: 10.962 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.1	117.2	





#49

Bromoform

Concen: 11.337 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1722354

Ion Ratio Lower Upper

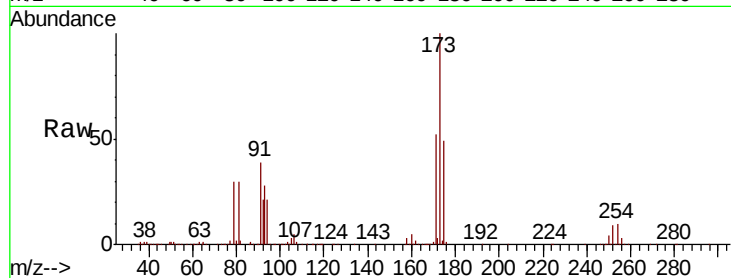
173 100

175 50.1 40.2 60.2

171 52.8 43.4 65.2

Manual Integrations
APPROVED

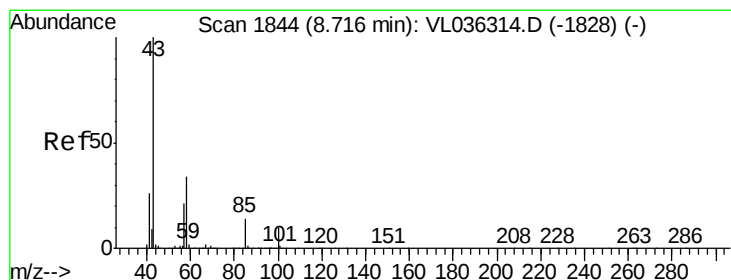
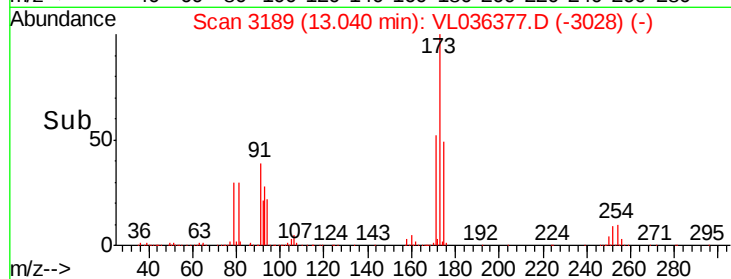
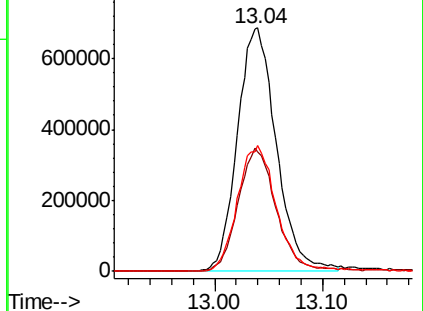
MMDadoda
3/1/2021 10:01:52 AM



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: 10.225 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL036377.D

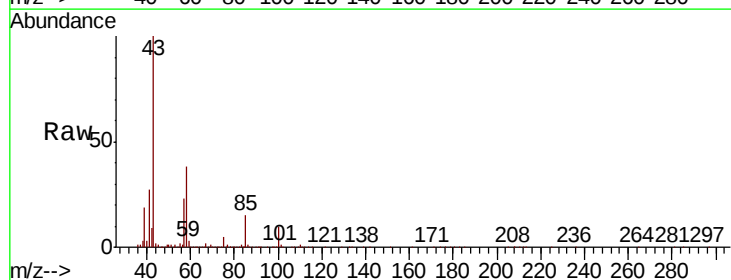
Acq: 25 Feb 2021 10:02

Tgt Ion: 43 Resp: 3596769

Ion Ratio Lower Upper

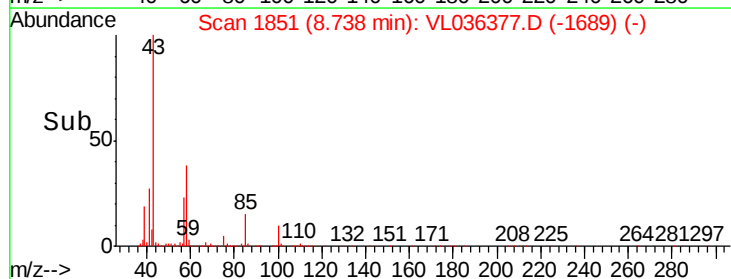
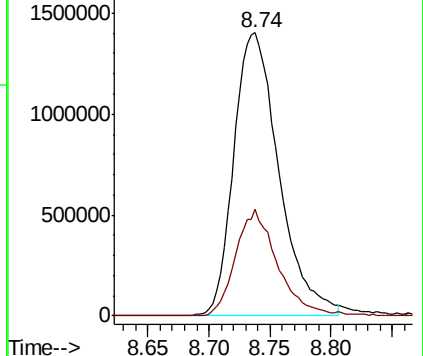
43 100

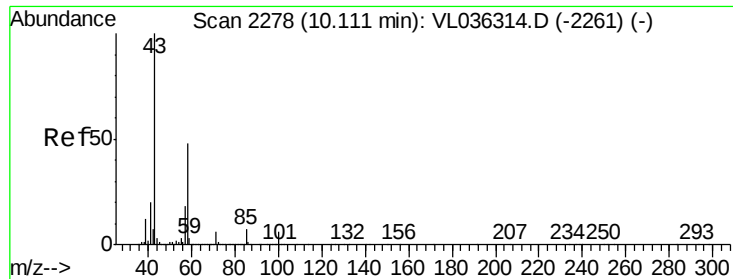
58 35.4 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





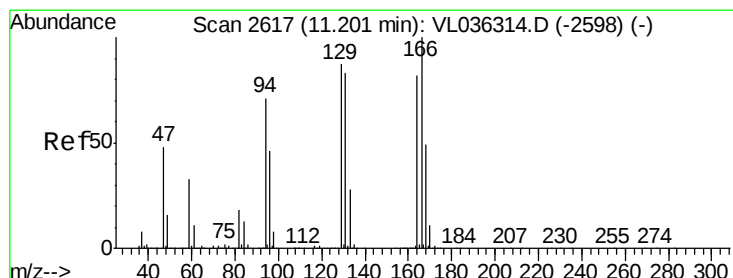
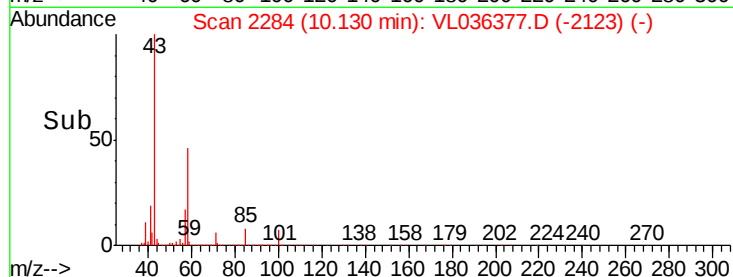
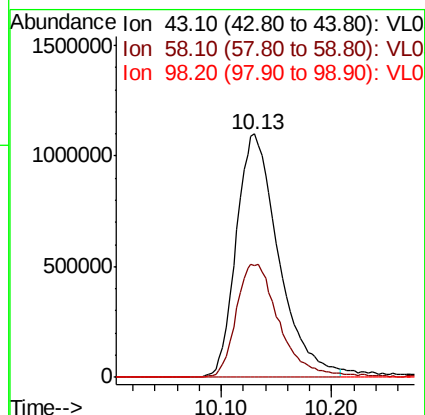
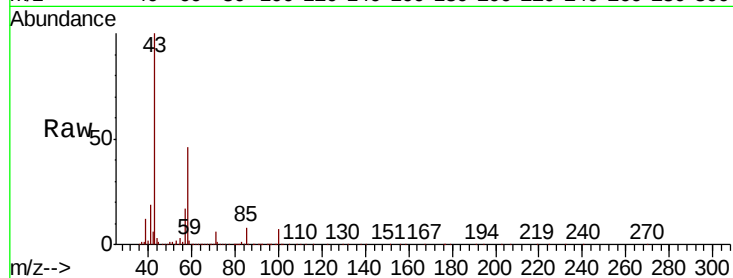
#51
2-Hexanone
Concen: 10.956 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	2928292
Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.7	58.1
98	0.5	0.4	0.6

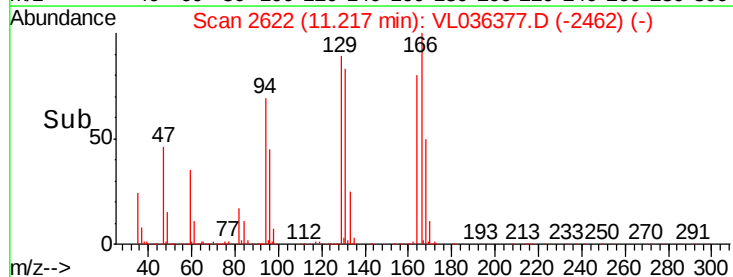
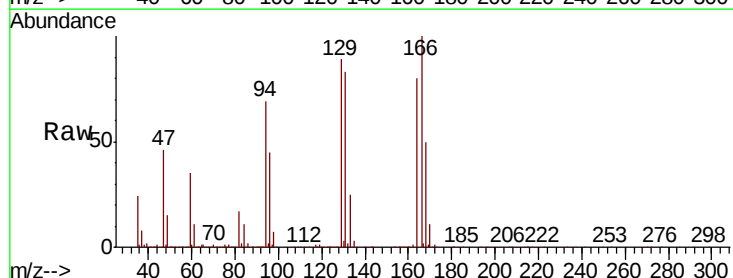
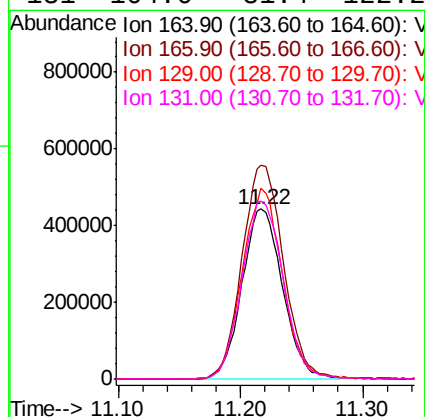
Manual Integrations
APPROVED

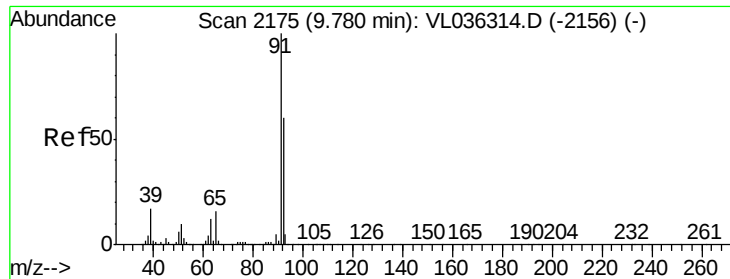
MMDadoda
3/1/2021 10:01:52 AM



#52
Tetrachloroethene
Concen: 9.158 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion	164	Resp	1015646
Ion	Ratio	Lower	Upper
164	100		
166	125.6	97.8	146.8
129	112.3	84.9	127.3
131	104.6	81.4	122.2





#53

Toluene

Concen: 10.667 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3500339

Ion Ratio Lower Upper

91 100

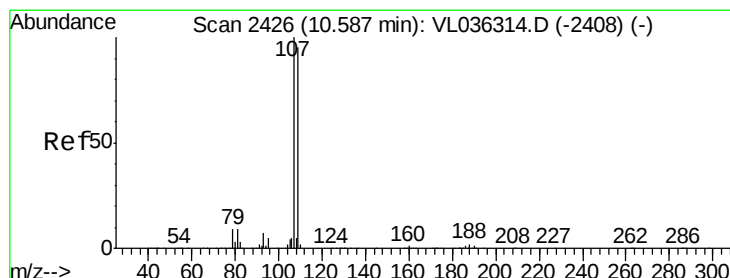
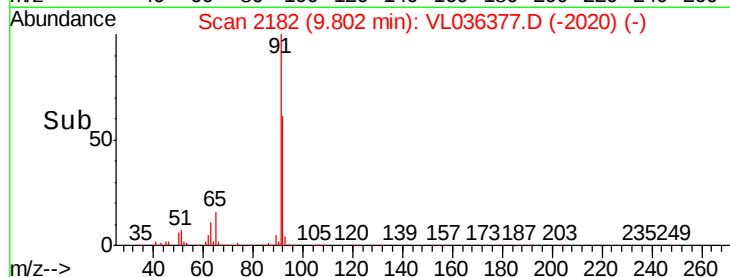
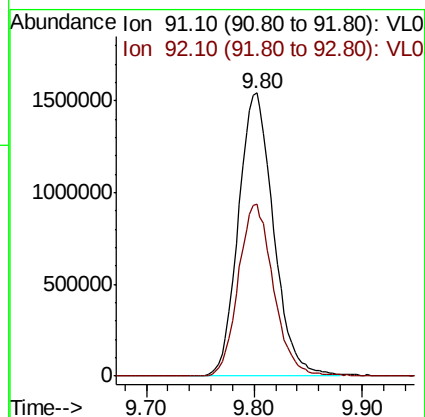
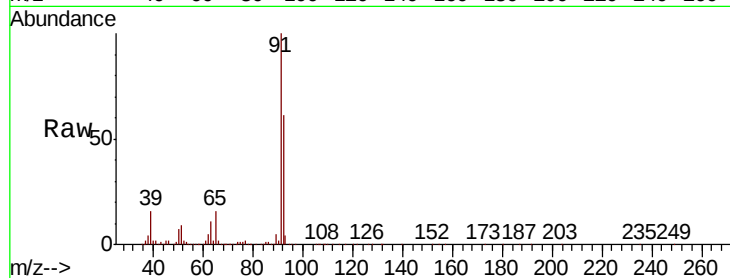
92 61.1 48.6 72.8

Manual Integrations

APPROVED

MMDadoda

3/1/2021 10:01:52 AM



#54

1,2-Dibromoethane

Concen: 10.121 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL036377.D

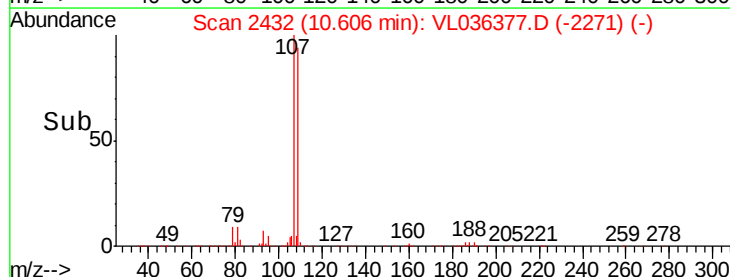
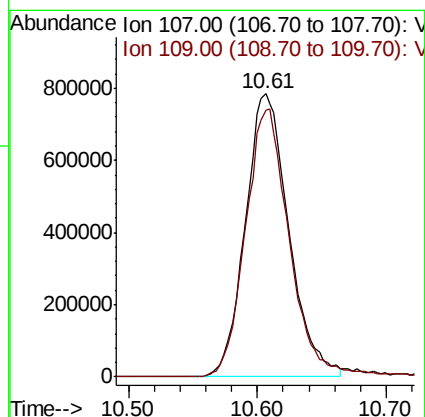
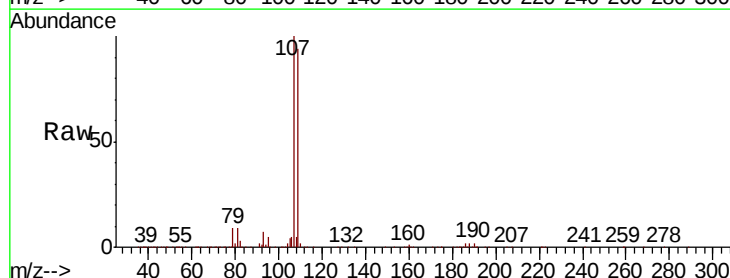
Acq: 25 Feb 2021 10:02

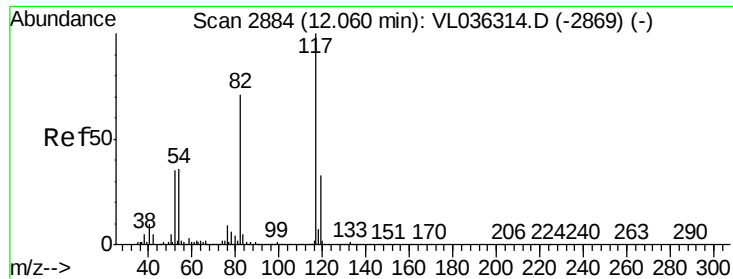
Tgt Ion: 107 Resp: 1841988

Ion Ratio Lower Upper

107 100

109 94.1 76.0 114.0





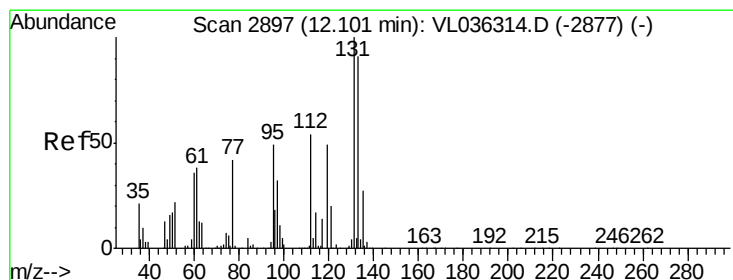
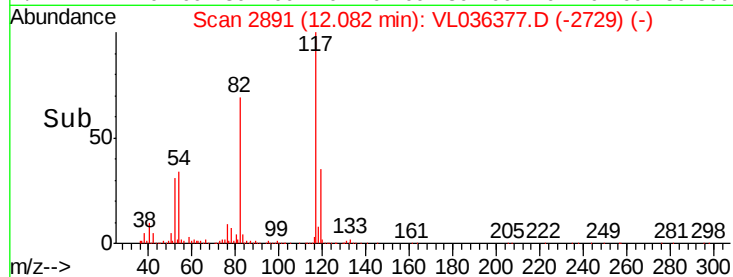
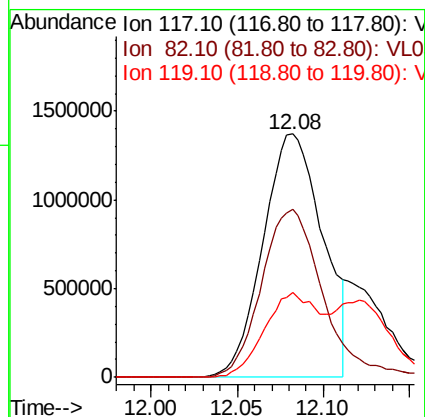
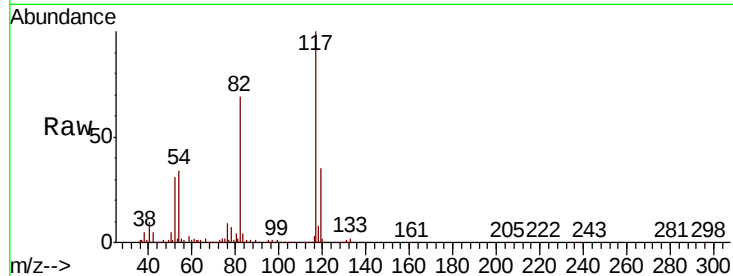
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.1	59.1	88.7
119	29.5	46.3	69.5#

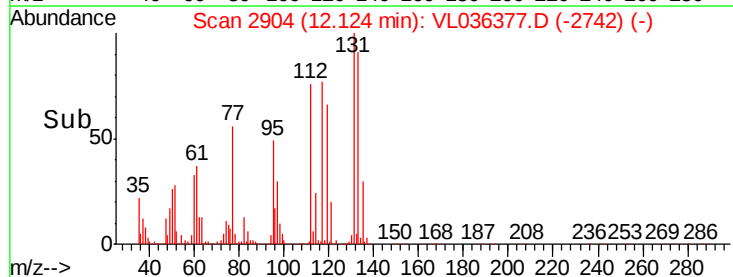
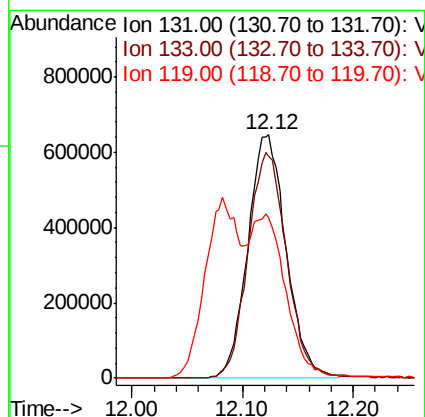
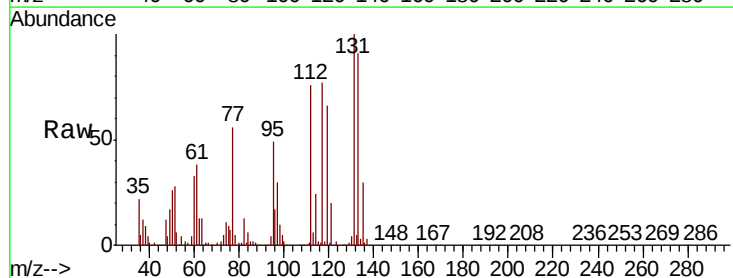
Manual Integrations
APPROVED

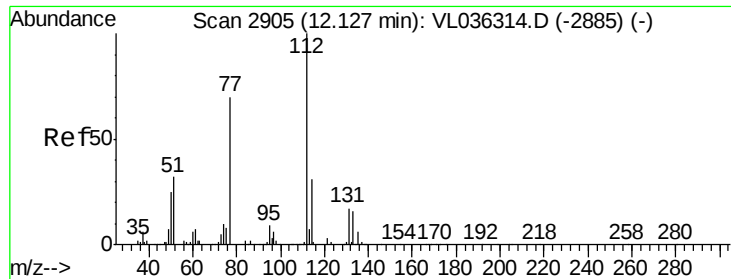
MMDadoda
3/1/2021 10:01:52 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.199 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.0	114.0
119	60.1	115.1	172.7#





#57

Chlorobenzene

Concen: 9.752 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 2491464

Ion Ratio Lower Upper

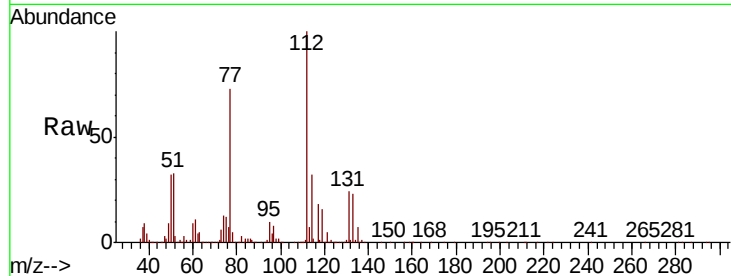
112 100

77 71.1 56.1 84.1

114 31.9 28.3 34.5

Manual Integrations
APPROVED

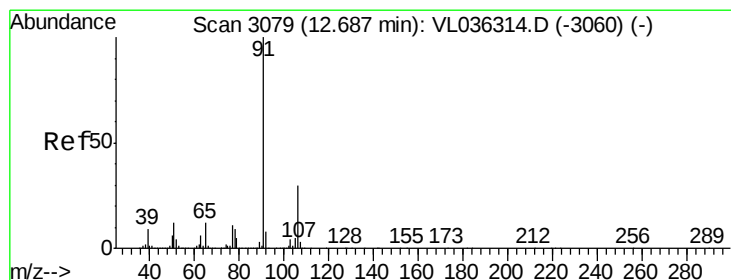
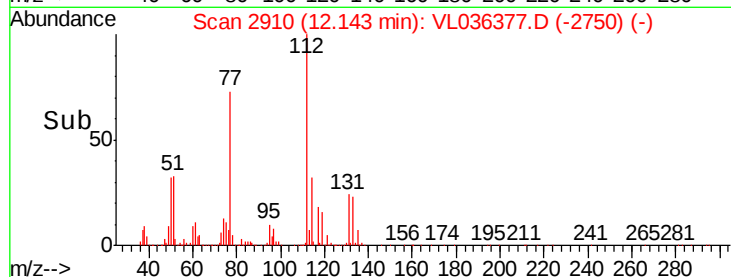
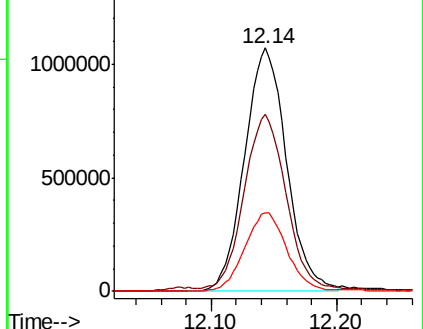
MMDadoda
3/1/2021 10:01:52 AM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.475 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.02 min

Lab File: VL036377.D

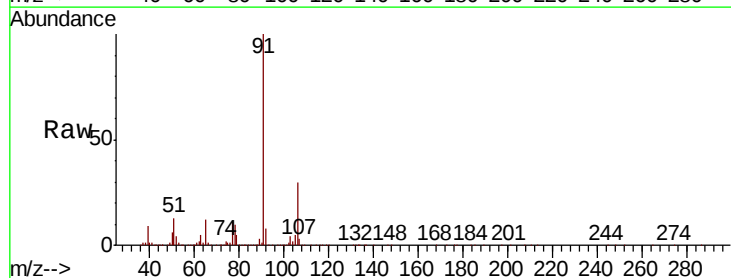
Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 4743207

Ion Ratio Lower Upper

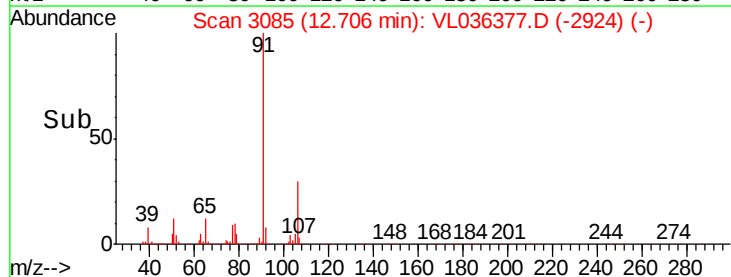
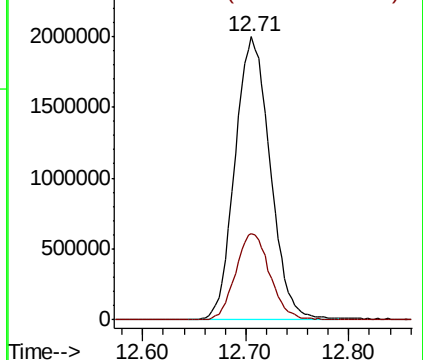
91 100

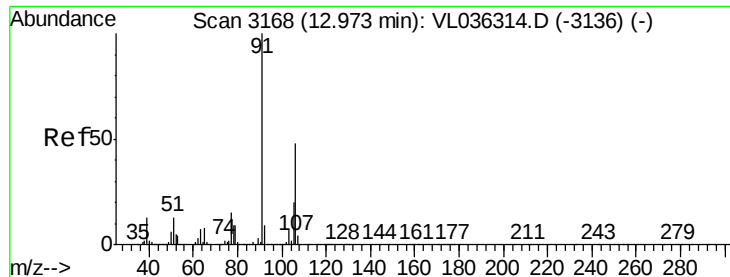
106 30.3 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





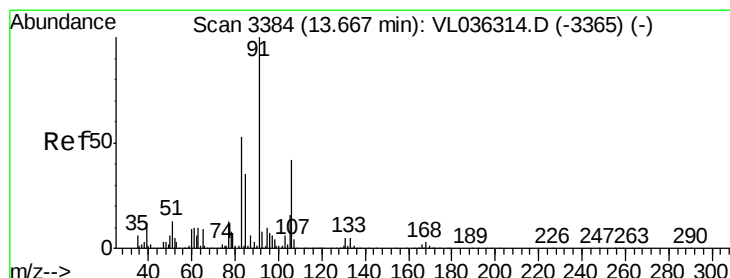
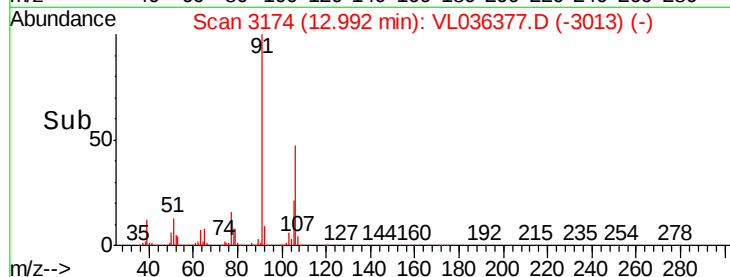
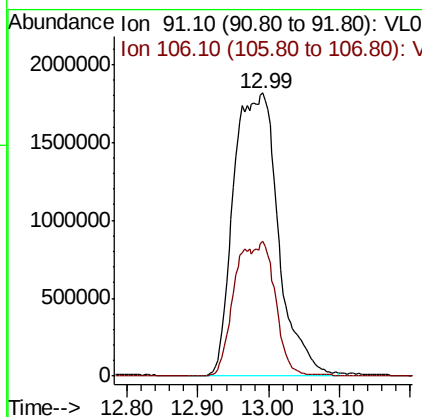
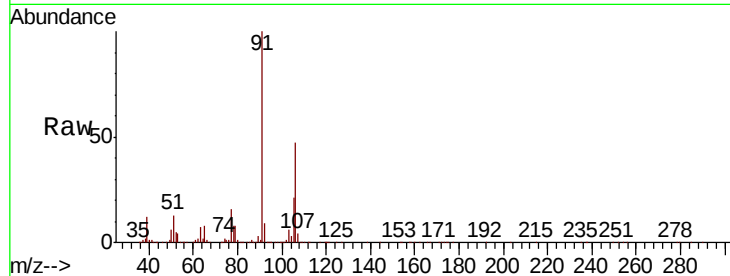
#59
m/p-Xylene
Concen: 20.061 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7979022
Ion Ratio Lower Upper
91 100
106 43.2 34.2 51.2

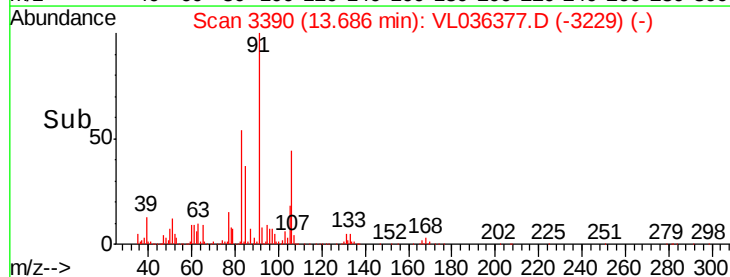
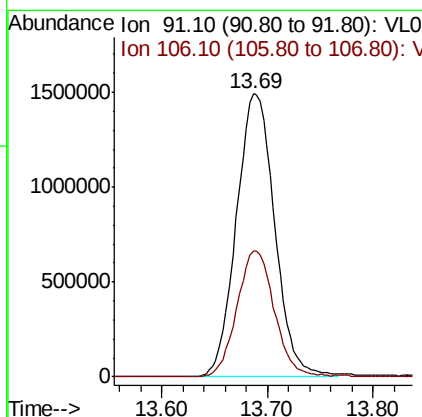
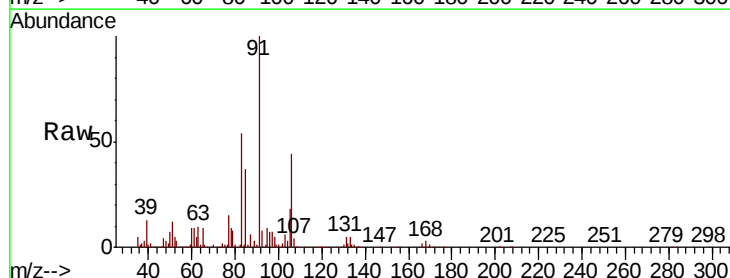
Manual Integrations
APPROVED

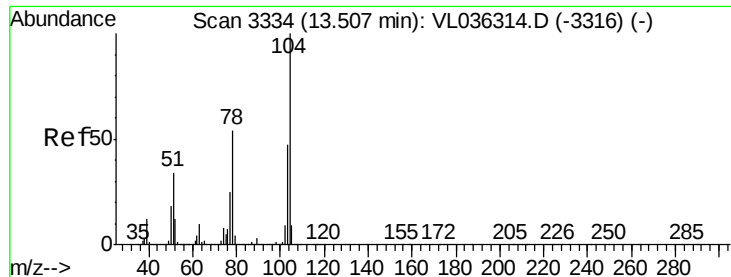
MMDadoda
3/1/2021 10:01:52 AM



#60
o-Xylene
Concen: 9.891 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 3761355
Ion Ratio Lower Upper
91 100
106 44.0 22.0 66.0





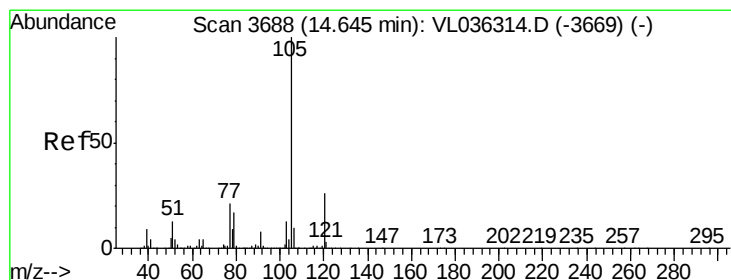
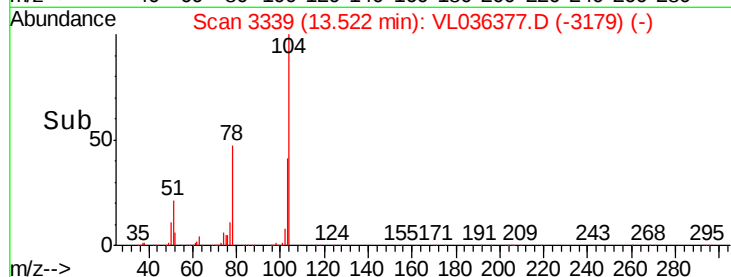
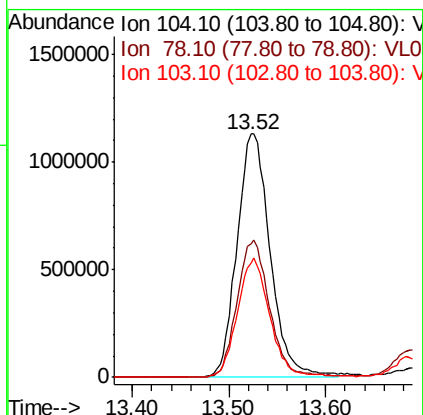
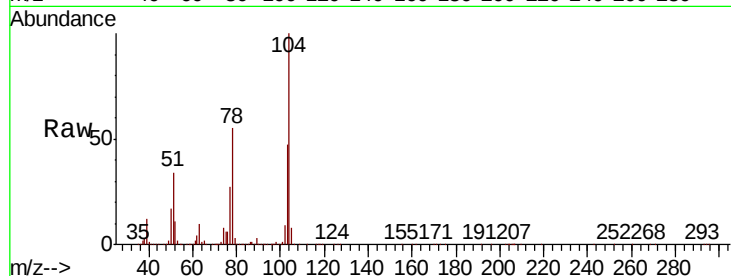
#61
Stvrene
Concen: 11.465 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.7	46.2	69.2
103	48.0	38.3	57.5

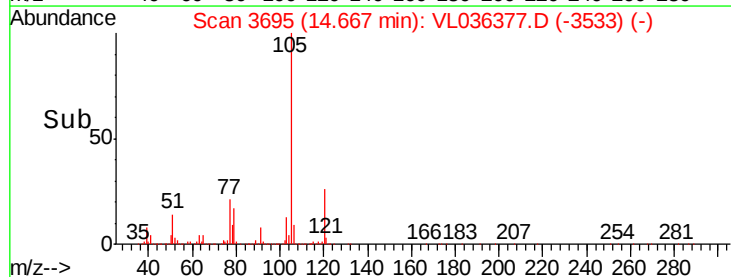
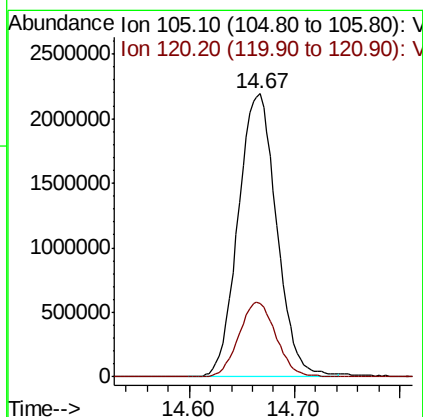
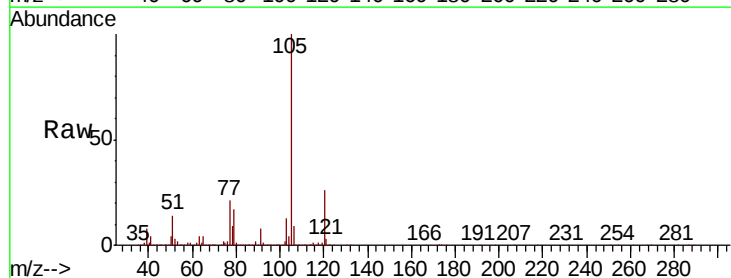
Manual Integrations
APPROVED

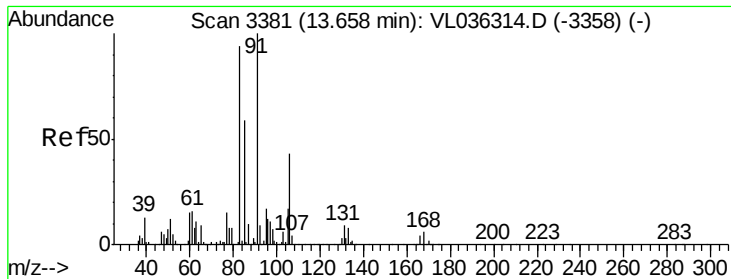
MMDadoda
3/1/2021 10:01:52 AM



#62
Isopropylbenzene
Concen: 9.776 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	30.8





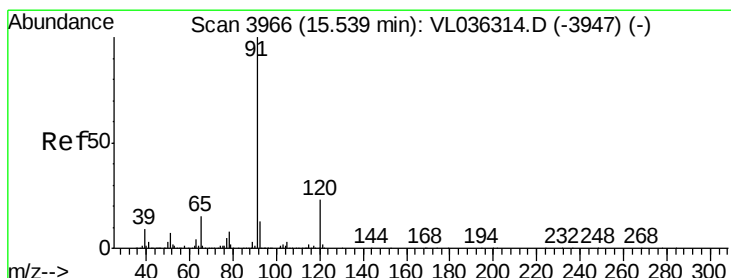
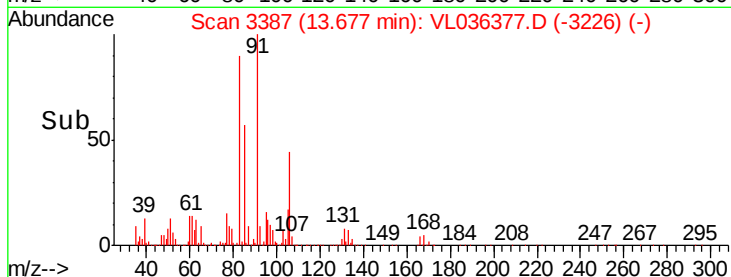
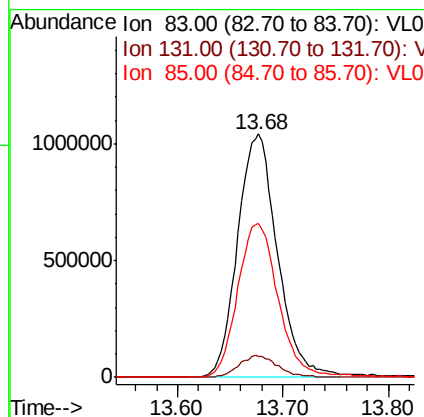
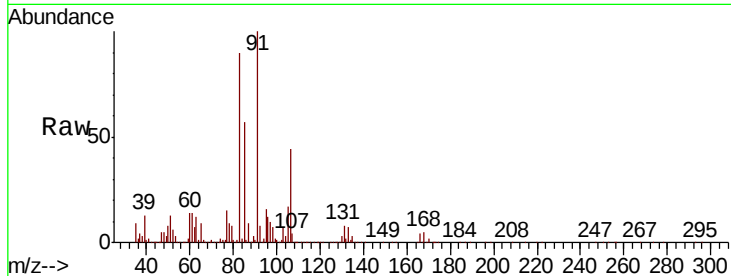
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.087 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.7	14.0
85	64.8	33.0	98.9

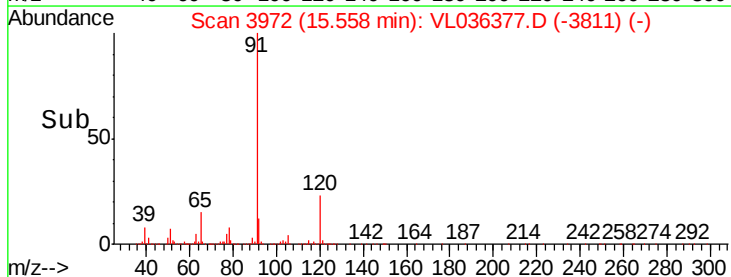
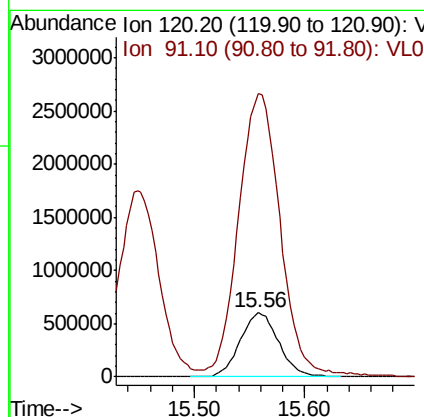
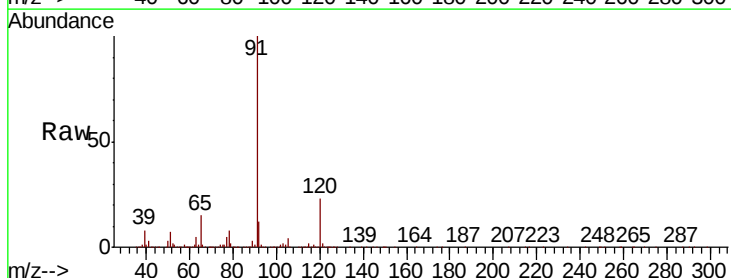
Manual Integrations
 APPROVED

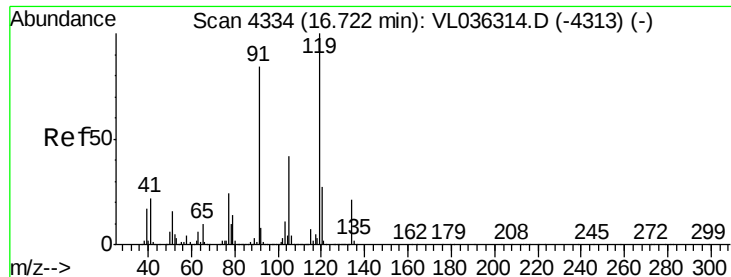
MMDadoda
 3/1/2021 10:01:52 AM



#64
 n-propylbenzene
 Concen: 10.387 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
120	100		
91	479.7	387.2	580.8





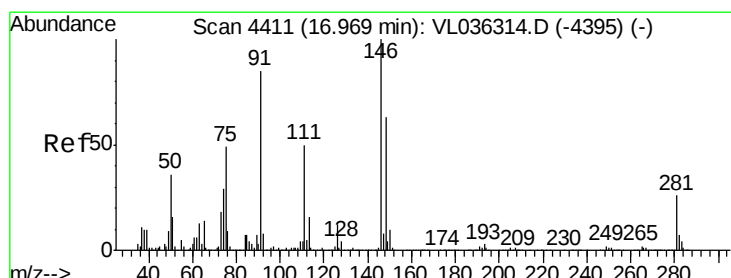
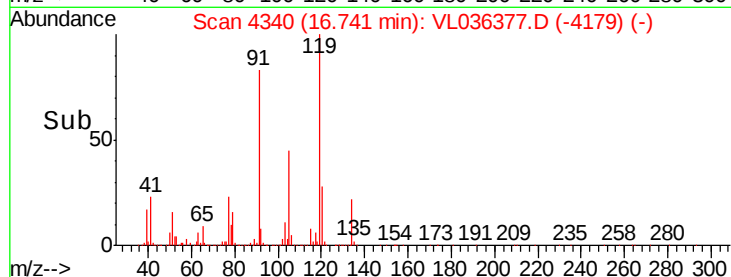
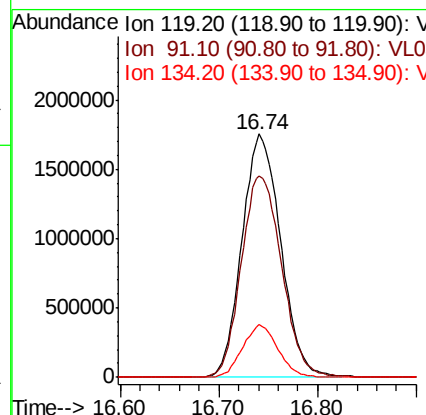
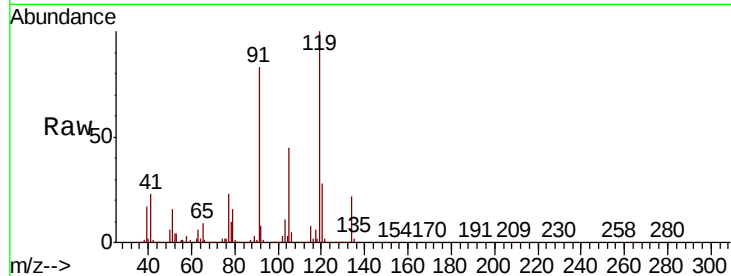
#65
tert-Butylbenzene
Concen: 9.793 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 4776265
Ion Ratio Lower Upper
119 100
91 86.3 70.5 105.7
134 19.8 15.8 23.8

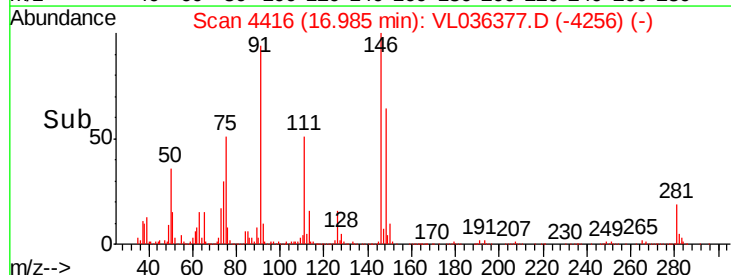
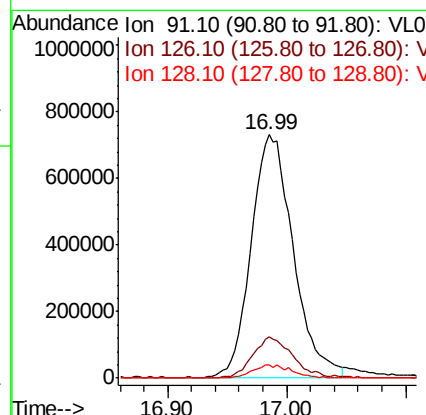
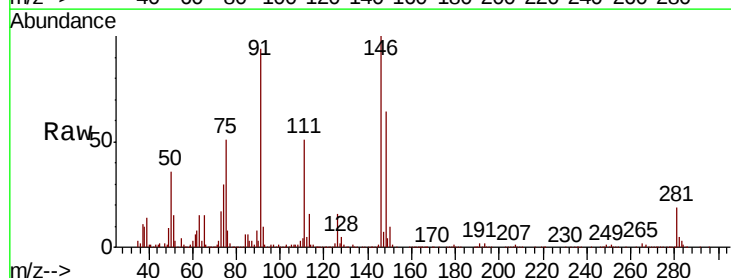
Manual Integrations
APPROVED

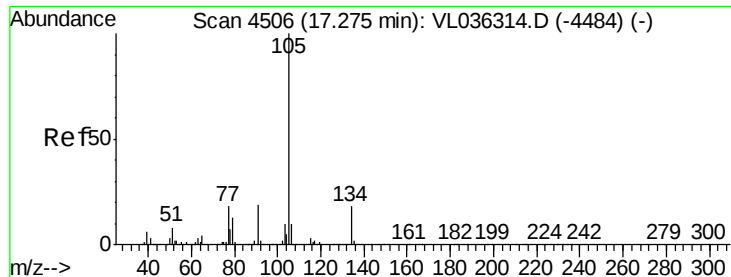
MMDadoda
3/1/2021 10:01:52 AM



#66
Benzyl Chloride
Concen: 13.422 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 1779628
Ion Ratio Lower Upper
91 100
126 16.6 12.9 19.3
128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 9.700 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6822558

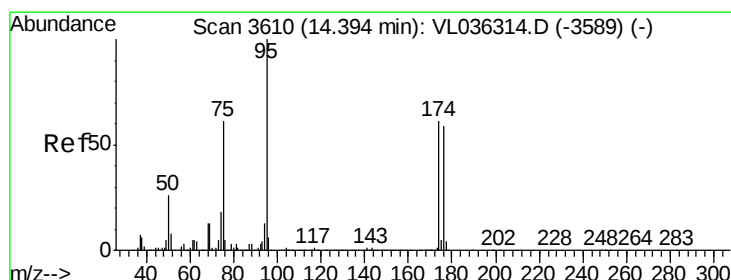
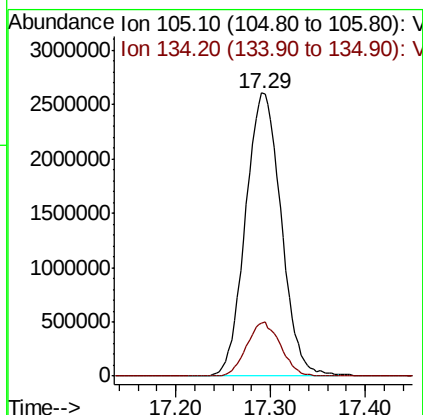
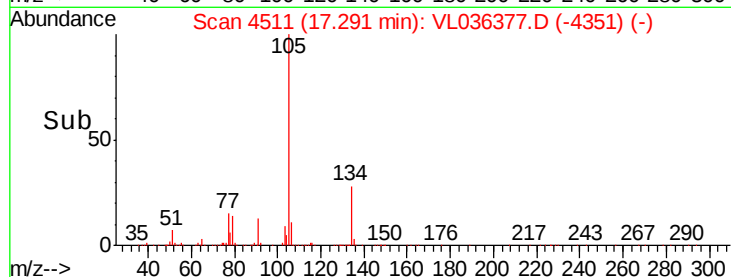
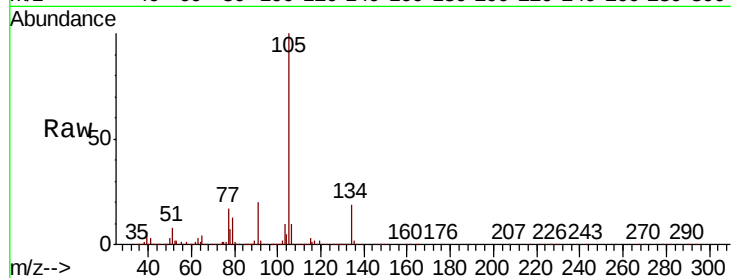
Ion Ratio Lower Upper

105 100

134 18.2 14.2 21.4

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.346 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

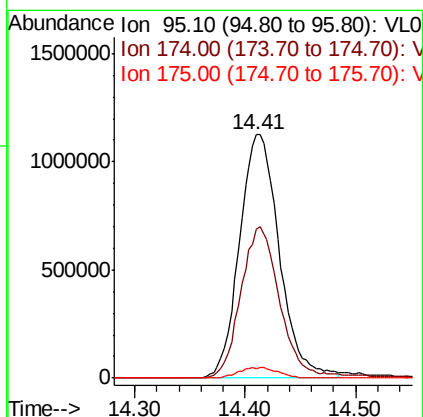
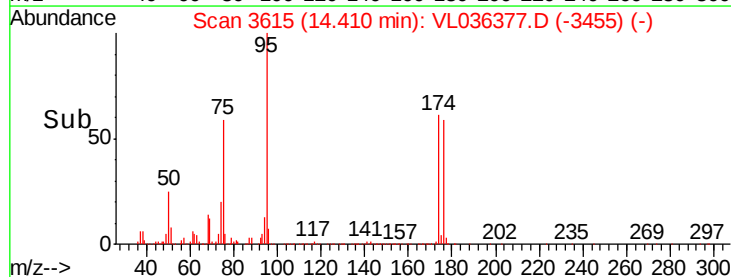
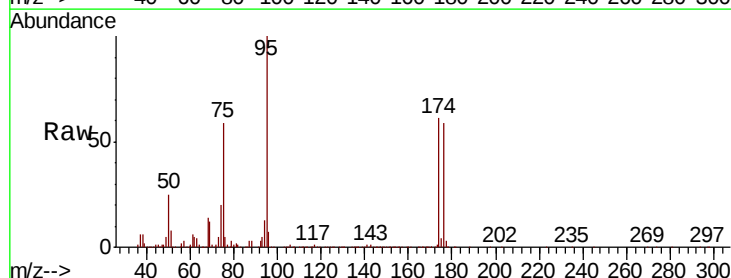
Tgt Ion: 95 Resp: 2815015

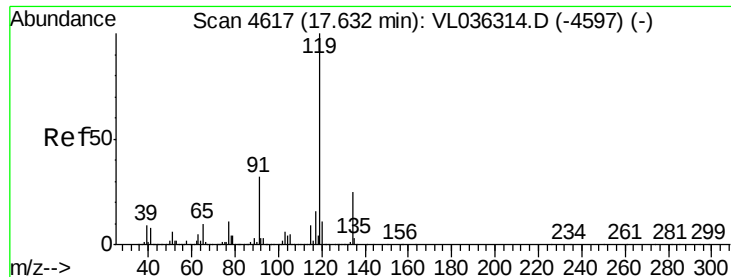
Ion Ratio Lower Upper

95 100

174 62.4 49.8 74.6

175 4.5 3.7 5.5





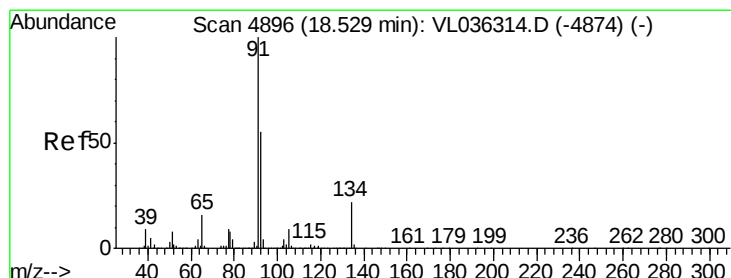
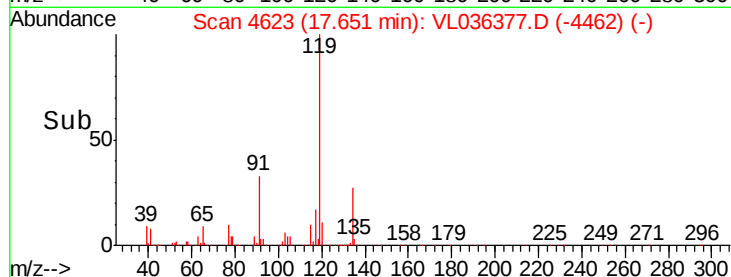
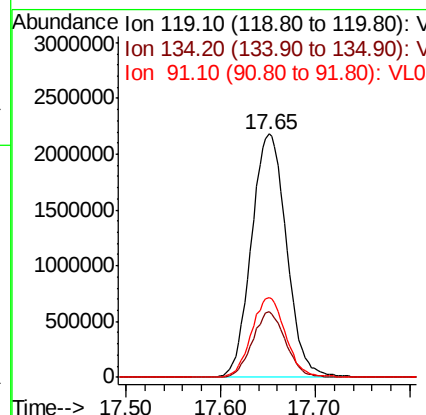
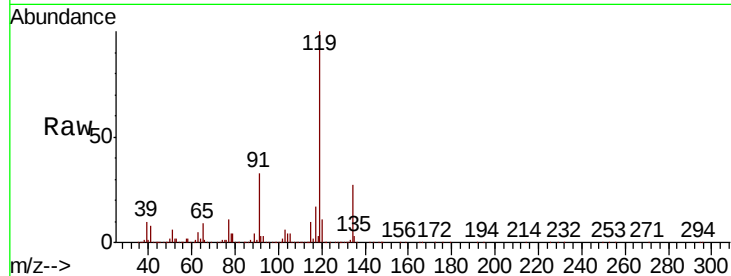
#69
 p-Isopropyltoluene
 Concen: 10.303 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.1	30.1
91	31.7	25.8	38.6

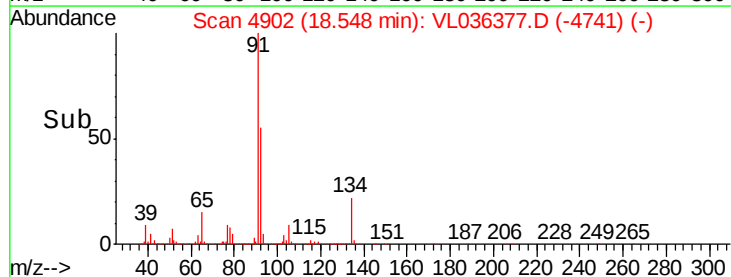
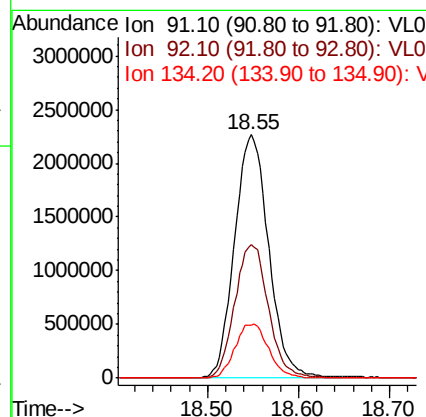
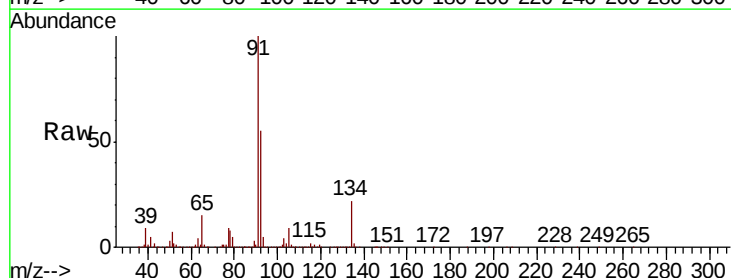
Manual Integrations
 APPROVED

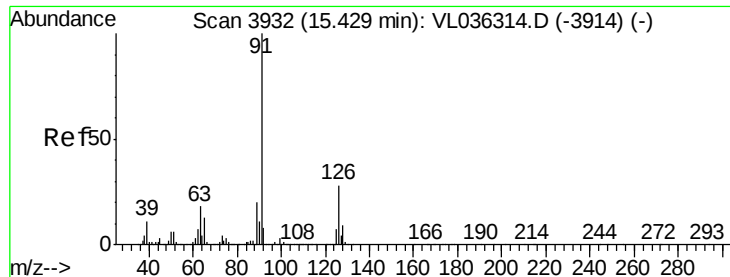
MMDadoda
 3/1/2021 10:01:52 AM



#70
 n-Butylbenzene
 Concen: 10.126 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.7	65.5
134	22.0	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.054 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4393327

Ion Ratio Lower Upper

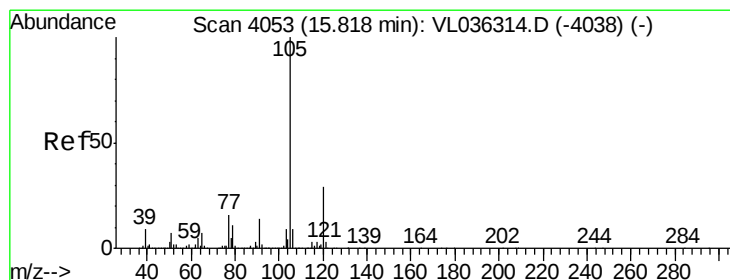
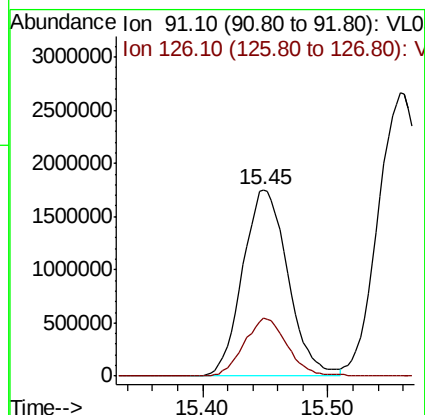
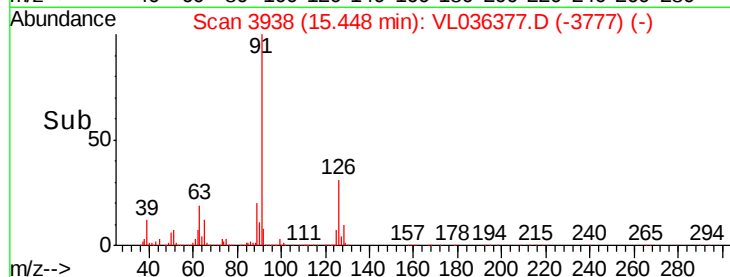
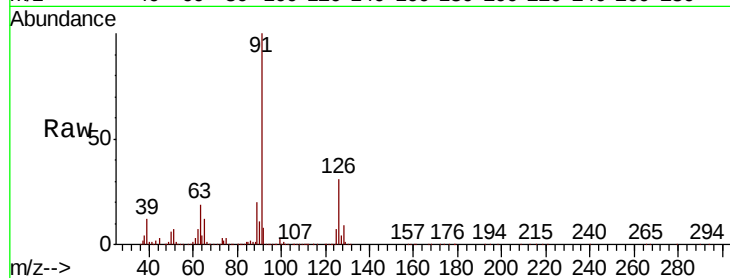
91 100

126 30.2 11.5 46.1

Manual Integrations
APPROVED

MMDadoda

3/1/2021 10:01:52 AM



#72

4-Ethyltoluene

Concen: 10.240 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion: 105 Resp: 4333507

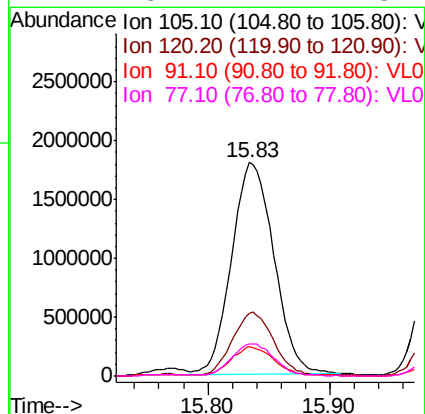
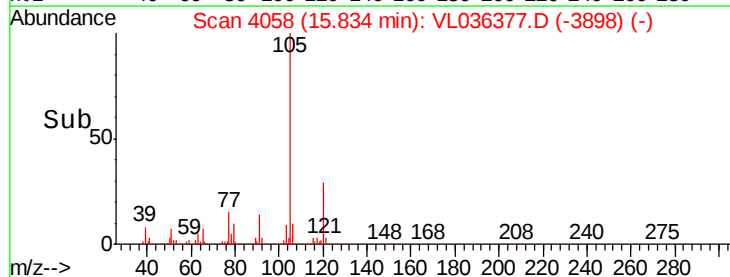
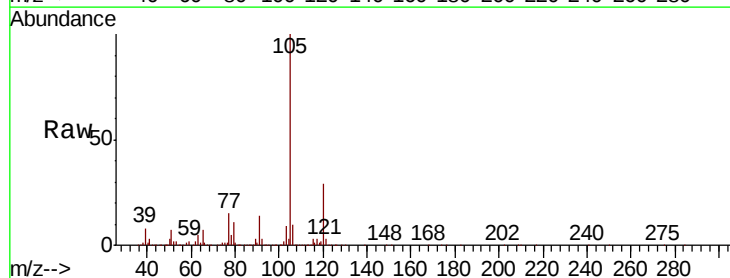
Ion Ratio Lower Upper

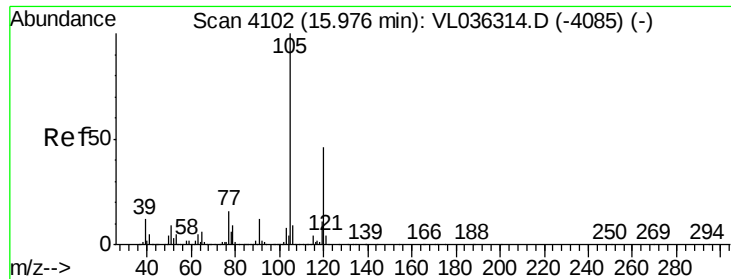
105 100

120 29.8 23.2 34.8

91 13.6 11.0 16.4

77 15.4 12.2 18.4





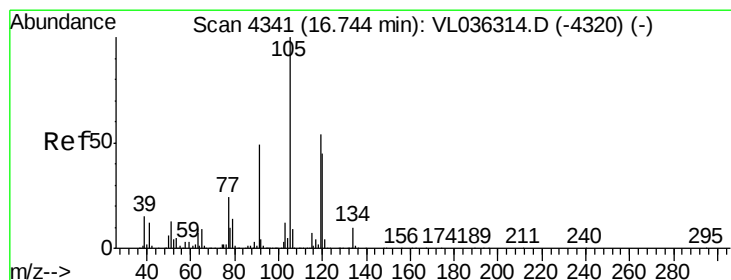
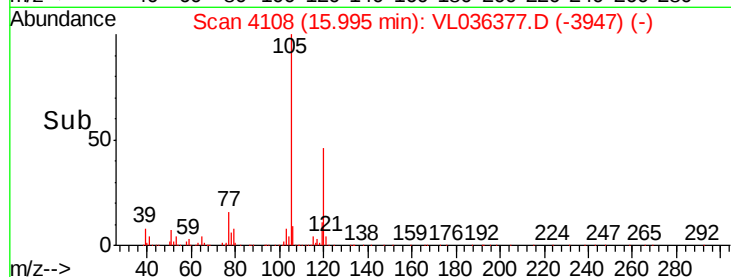
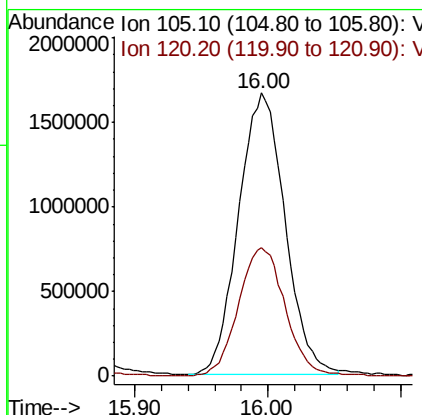
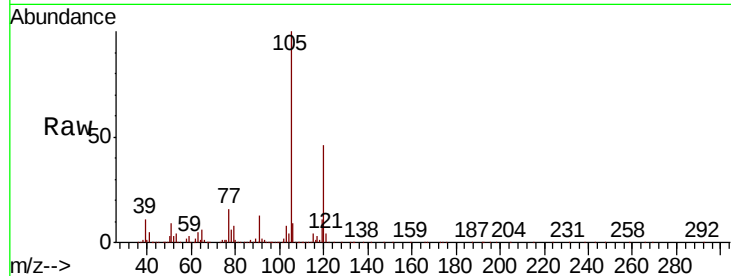
#73
 1,3,5-Trimethylbenzene
 Concen: 9.881 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4053789
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.9 55.3

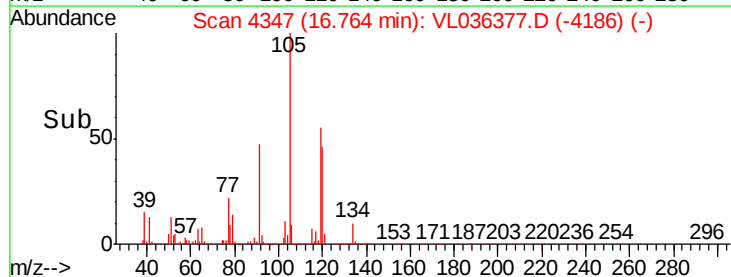
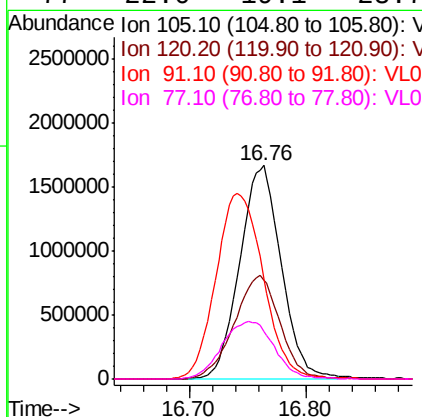
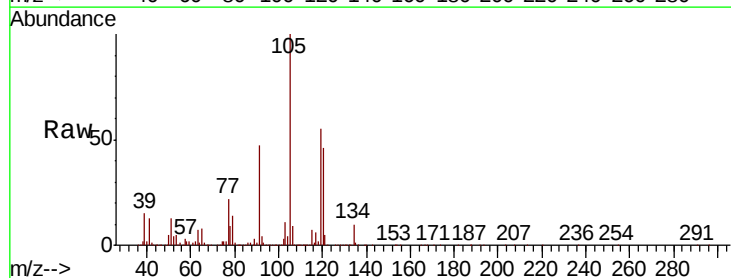
Manual Integrations
 APPROVED

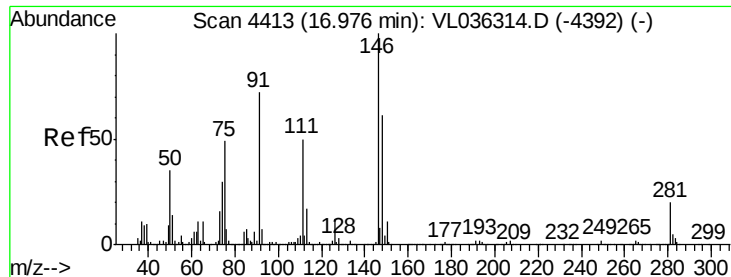
MMDadoda
 3/1/2021 10:01:52 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.887 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion:105 Resp: 4140925
 Ion Ratio Lower Upper
 105 100
 120 46.0 35.8 53.6
 91 46.3 39.8 59.6
 77 22.0 19.1 28.7





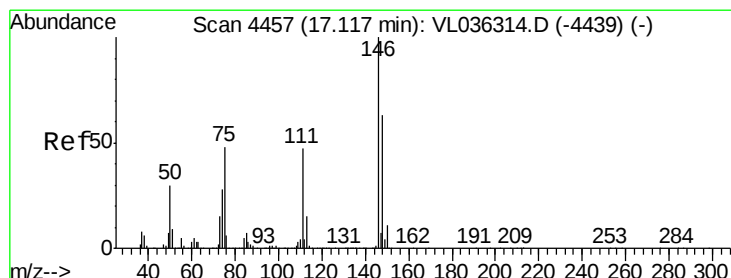
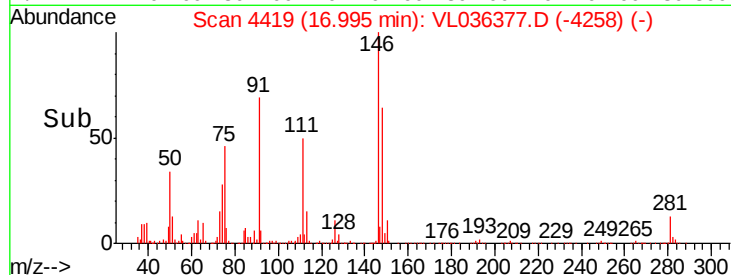
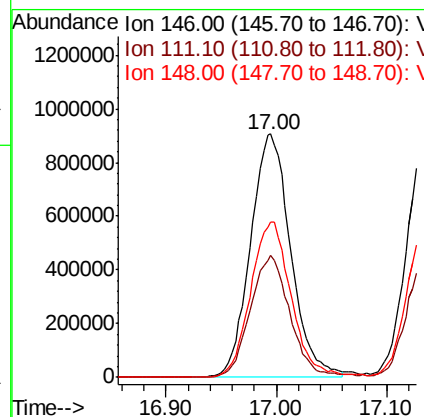
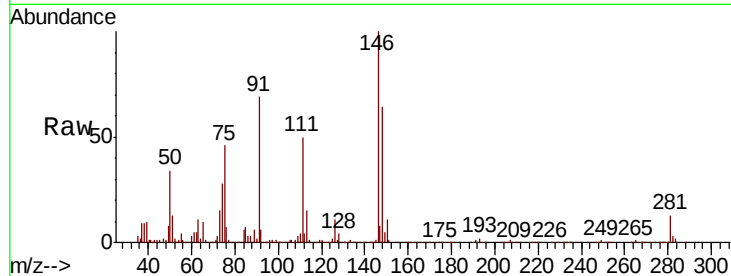
#75
 1,3-Dichlorobenzene
 Concen: 10.051 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2284837
 Ion Ratio Lower Upper
 146 100
 111 49.7 24.9 74.6
 148 64.8 31.9 95.9

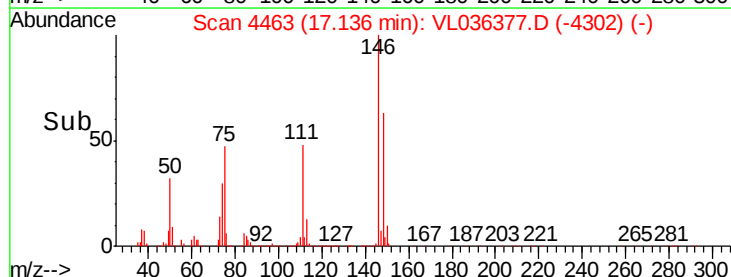
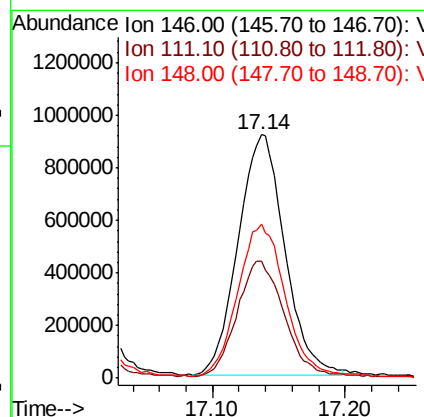
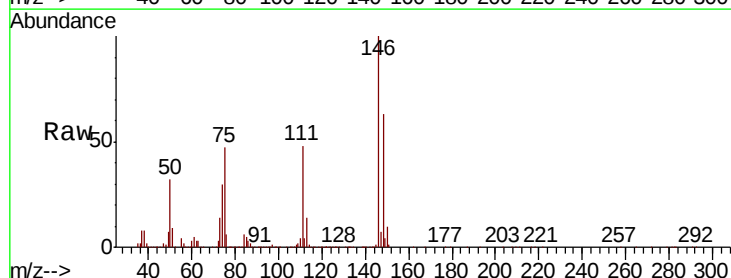
Manual Integrations
 APPROVED

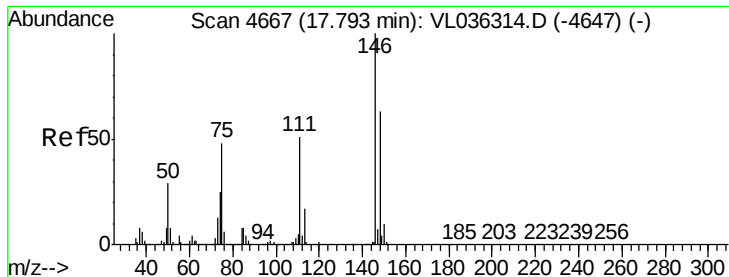
MMDadoda
 3/1/2021 10:01:52 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.422 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion:146 Resp: 2224217
 Ion Ratio Lower Upper
 146 100
 111 50.4 23.6 71.0
 148 66.1 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 9.923 ppbv

RT: 17.81 min Scan# 4674

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2237898

Ion Ratio Lower Upper

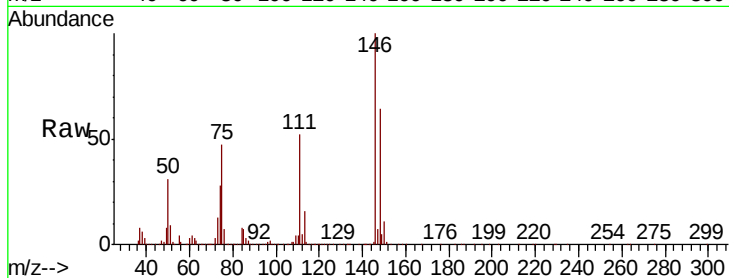
146 100

111 51.1 25.9 77.8

148 64.3 32.5 97.4

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:01:52 AM

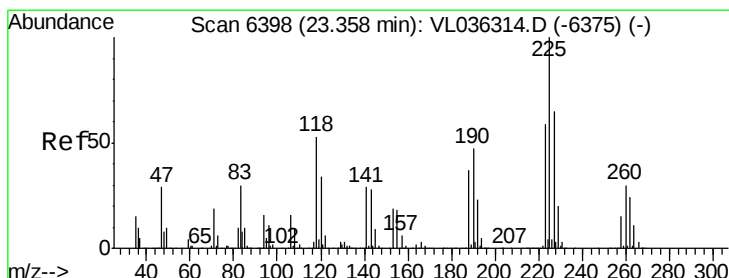
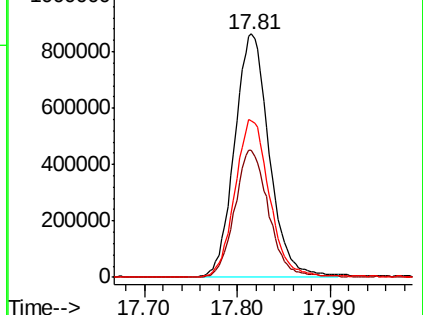
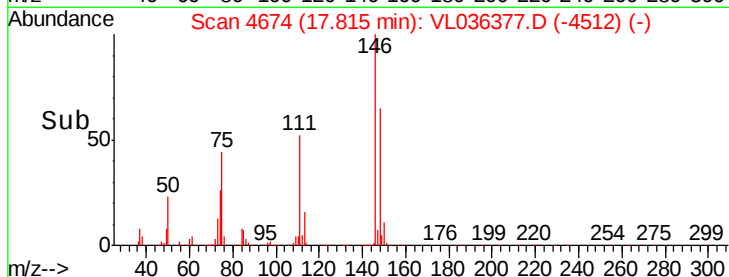


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.621 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

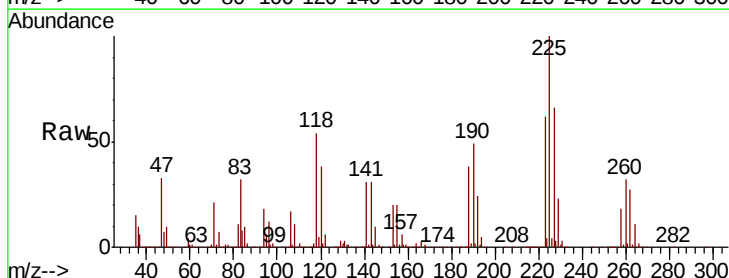
Tgt Ion:225 Resp: 1588463

Ion Ratio Lower Upper

225 100

223 64.2 50.8 76.2

227 64.5 52.2 78.2

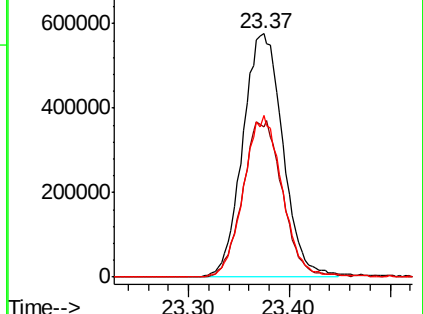
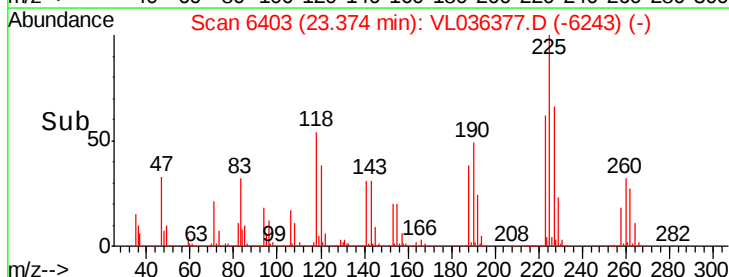


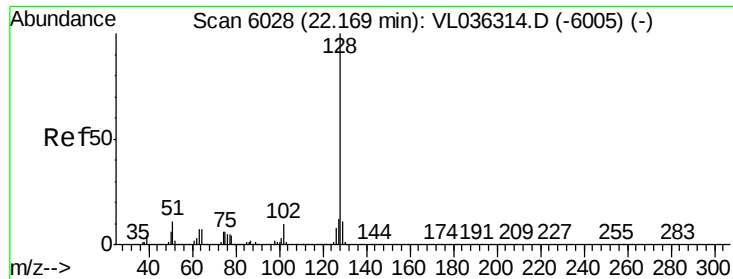
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





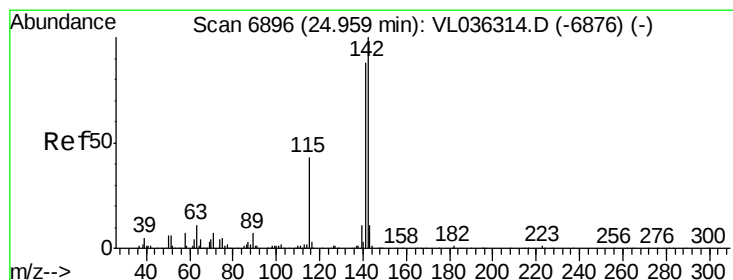
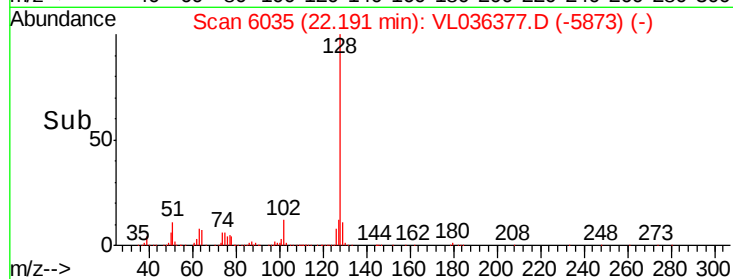
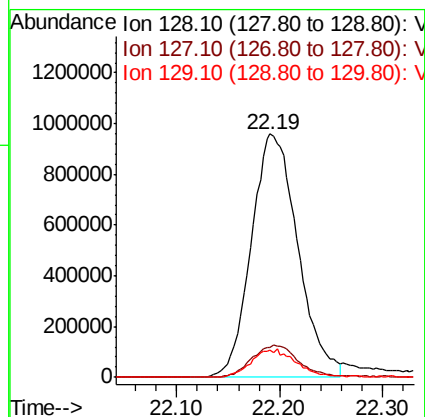
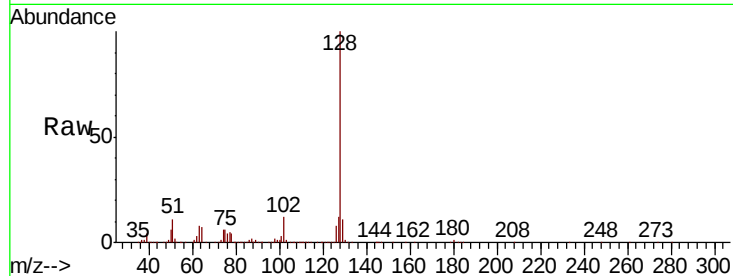
#79
Naphthalene
Concen: 12.091 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	128	Resp:	3001892
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.6	14.4
129	11.3	8.5	12.7

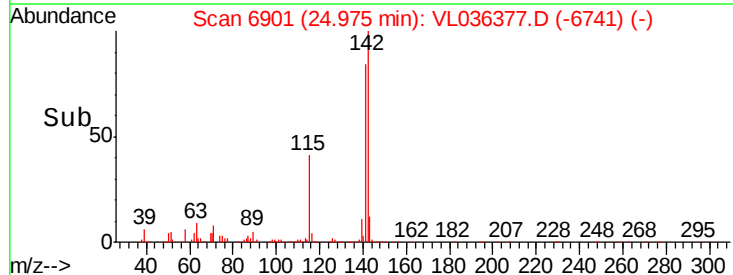
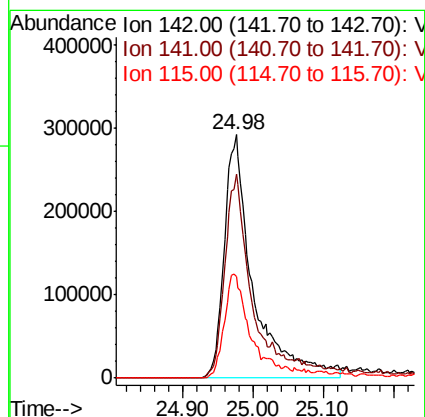
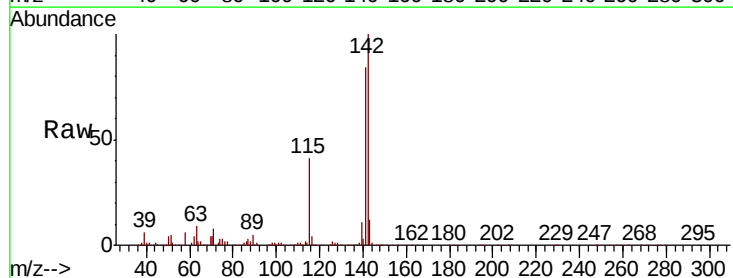
Manual Integrations
APPROVED

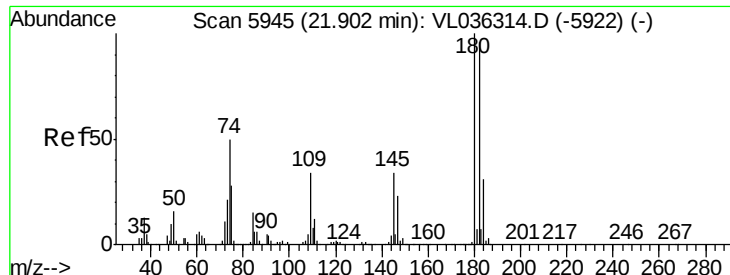
MMDadoda
3/1/2021 10:01:52 AM



#80
Naphthalene, 2-methyl-
Concen: 18.233 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion:	142	Resp:	838130
Ion	Ratio	Lower	Upper
142	100		
141	84.9	64.4	96.6
115	40.9	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.561 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	80.2	120.4
184	31.4	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:01:52 AM

