

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036426.D
 Acq On : 2 Mar 2021 12:10
 Operator : SY/AP
 Sample : VL0302ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:24 PM

Quant Time: Mar 03 03:39:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 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	1564548	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	3638986	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3445844m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2784514	9.82	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1661724	7.117	ppbv	99
3) Chlorodifluoromethane	2.98	51	1806661	9.294	ppbv	99
4) Chloromethane	3.13	50	873260	9.298	ppbv	99
5) Vinyl Chloride	3.25	62	859515	9.828	ppbv	94
6) Bromomethane	3.46	94	515652	9.920	ppbv	95
7) Chloroethane	3.55	64	319251	10.281	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2005158	9.442	ppbv	99
9) Propene	3.00	41	806308	11.125	ppbv	100
10) Heptane	8.11	43	2093008	9.799	ppbv	100
11) Trichlorofluoromethane	3.94	101	2206093	9.649	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1376240	9.717	ppbv	99
13) Ethanol	3.60	45	126166	9.268	ppbv	95
14) Bromoethene	3.73	108	596727	10.067	ppbv	97
15) Acetone	3.84	43	1712800	8.956	ppbv	99
16) 1,3-Butadiene	3.31	39	851085	9.307	ppbv	99
17) tert-Butyl alcohol	4.28	59	1342306	9.042	ppbv	100
18) 1,1-Dichloroethene	4.28	96	598556	9.299	ppbv	95
19) Isopropyl Alcohol	3.96	45	892479	8.423	ppbv #	97
20) Methylene Chloride	4.33	84	529442	8.581	ppbv	95
21) Allyl Chloride	4.40	41	999269	9.385	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	572273	9.788	ppbv	96
23) Vinyl Acetate	5.06	43	2098926	9.334	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1625099	9.772	ppbv	100
25) Ethyl Acetate	5.67	43	3555326	9.630	ppbv	99
26) Hexane	5.68	57	1446777	9.537	ppbv	99
27) Carbon Disulfide	4.54	76	1506231	10.803	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1938771	9.783	ppbv	99
29) Chloroform	5.74	83	2318437	9.487	ppbv	98
30) Cyclohexane	7.12	84	1187190	9.410	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1453970	9.687	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2255212	9.870	ppbv	98
34) 2-Butanone	5.23	43	2223531	9.196	ppbv	100
35) Carbon Tetrachloride	7.01	117	2302951	9.443	ppbv	98
36) Benzene	6.88	78	2956316	9.564	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1784609	9.338	ppbv	99
38) Trichloroethene	7.82	130	1055810	9.534	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1212408	9.655	ppbv	96
40) 1,4-Dioxane	7.82	88	382719	8.797	ppbv #	81
41) Tetrahydrofuran	6.03	42	1272561	9.432	ppbv	99
42) Bromodichloromethane	7.78	83	2459482	9.609	ppbv	98
43) Methyl Methacrylate	8.00	69	1309055	10.041	ppbv	99

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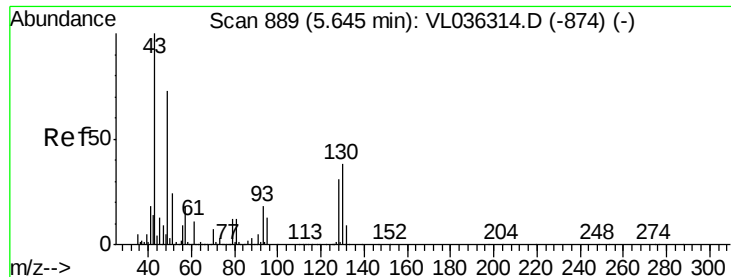
Manual Integrations
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Quant Time: Mar 03 03:39:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5132738	9.132	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1424598	11.328	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1715039	10.736	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1209850	9.414	ppbv	98
48) Dibromochloromethane	10.29	129	1981414	10.333	ppbv	98
49) Bromoform	13.03	173	1680129	10.838	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3482951	9.704	ppbv	99
51) 2-Hexanone	10.12	43	2852346	10.458	ppbv	97
52) Tetrachloroethene	11.21	164	979632	8.657	ppbv	95
53) Toluene	9.80	91	3355108	10.020	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1790760	9.643	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1500595	9.468	ppbv #	59
57) Chlorobenzene	12.14	112	2431176	9.132	ppbv	99
58) Ethyl Benzene	12.70	91	4588868	9.725	ppbv	98
59) m/p-Xylene	12.98	91	7754144m	18.709	ppbv	
60) o-Xylene	13.68	91	3703962	9.347	ppbv	99
61) Styrene	13.52	104	2586235	10.531	ppbv	99
62) Isopropylbenzene	14.66	105	5466007	9.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2650429	8.477	ppbv	99
64) n-propylbenzene	15.55	120	1430539	9.786	ppbv	97
65) tert-Butylbenzene	16.73	119	4652024	9.154	ppbv	99
66) Benzyl Chloride	16.98	91	1726945	12.499	ppbv	99
67) sec-Butylbenzene	17.28	105	6653857	9.078	ppbv	99
69) p-Isopropyltoluene	17.64	119	5478548	9.673	ppbv	99
70) n-Butylbenzene	18.54	91	5755830	9.476	ppbv	100
71) 2-Chlorotoluene	15.44	91	4298165	9.440	ppbv	98
72) 4-Ethyltoluene	15.83	105	4246124	9.628	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4021159	9.406	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4061980	9.307	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	2224542	9.391	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2188638	8.897	ppbv	95
77) 1,2-Dichlorobenzene	17.81	146	2186016	9.302	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1532350	7.981	ppbv	99
79) Naphthalene	22.19	128	2979493m	11.517	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	713353	14.892	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1558664	9.875	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 49 Resp: 1564548

Ion Ratio Lower Upper

49 100

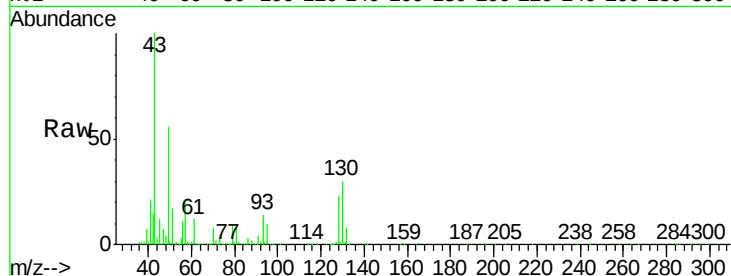
128 44.0 20.8 62.5

130 55.3 26.7 80.1

Manual Integrations
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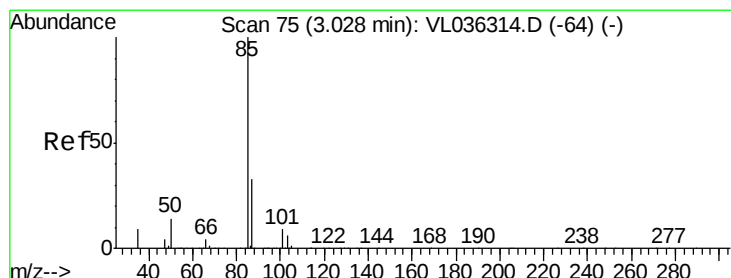
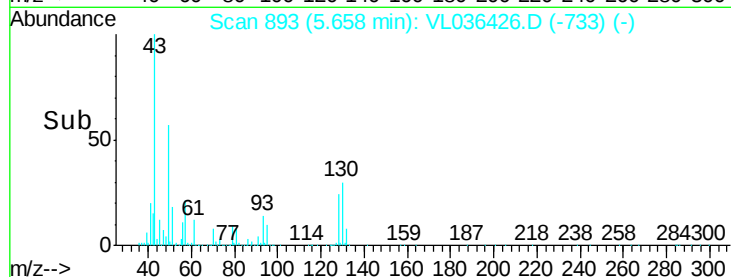
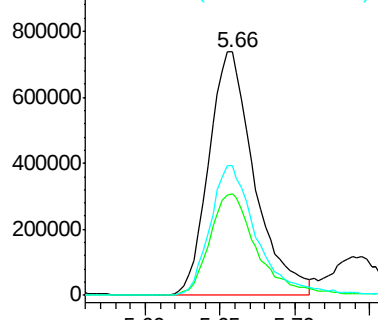
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.117 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036426.D

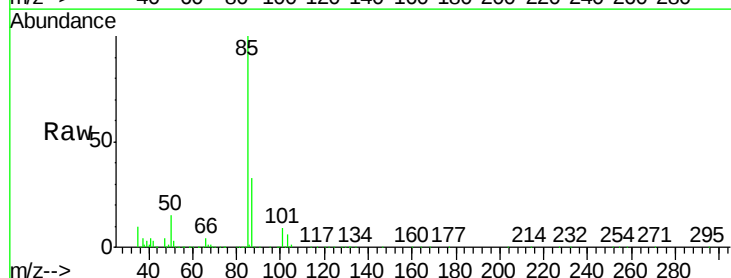
Acq: 2 Mar 2021 12:10

Tgt Ion: 85 Resp: 1661724

Ion Ratio Lower Upper

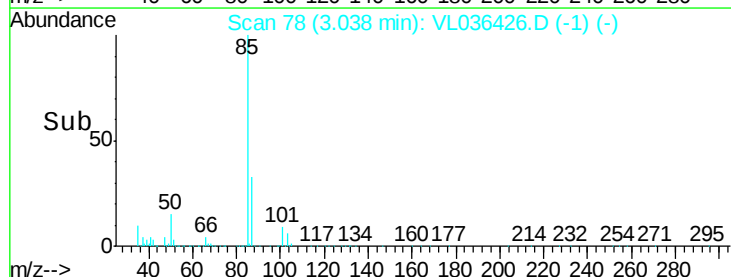
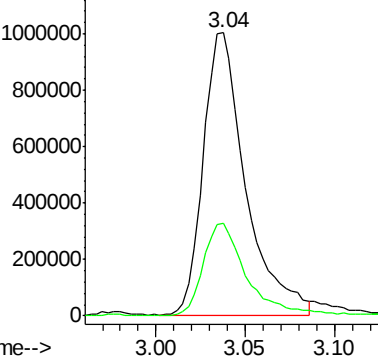
85 100

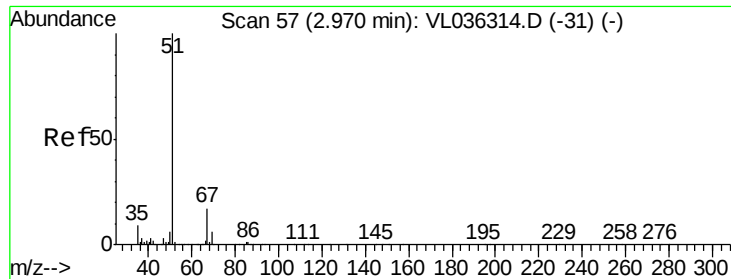
87 32.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





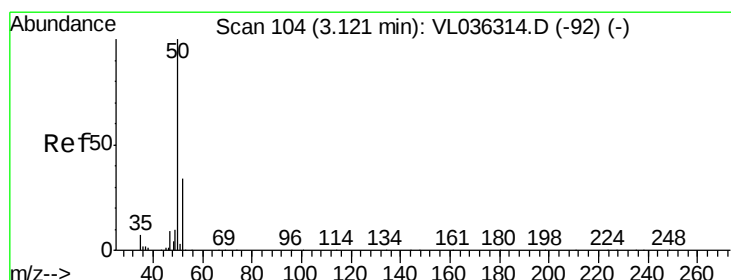
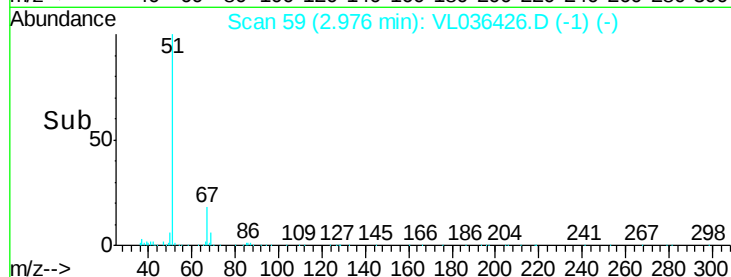
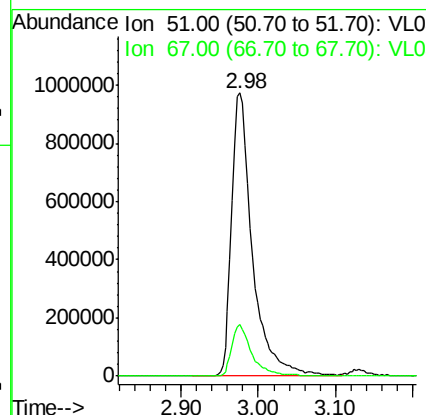
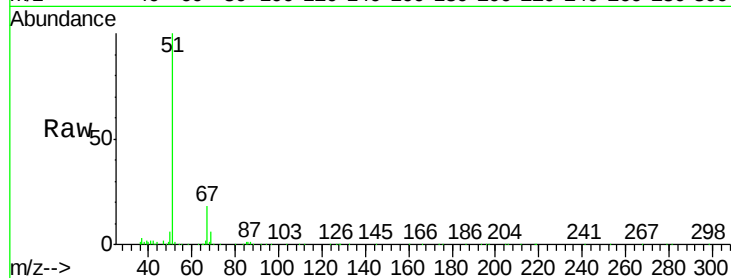
#3
Chlorodifluoromethane
Concen: 9.294 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 51 Resp: 1806661
Ion Ratio Lower Upper
51 100
67 17.7 14.7 22.1

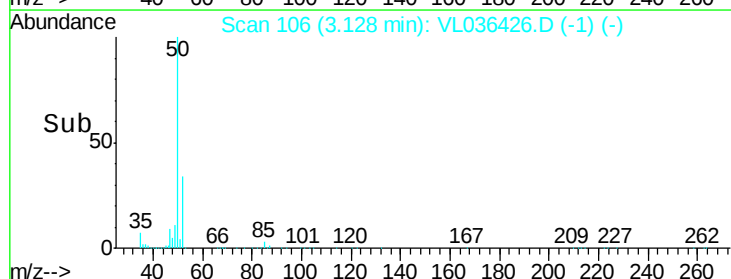
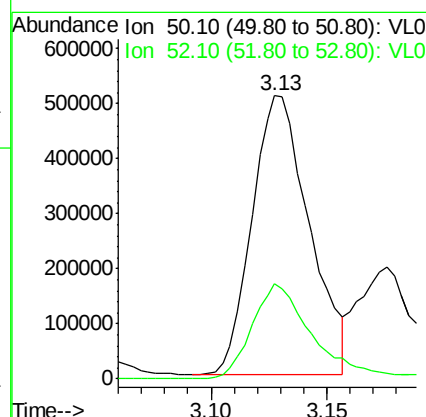
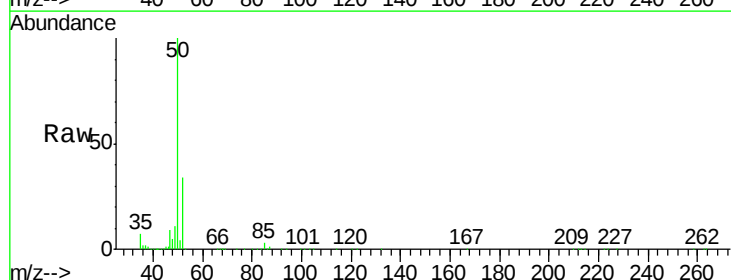
Manual Integrations
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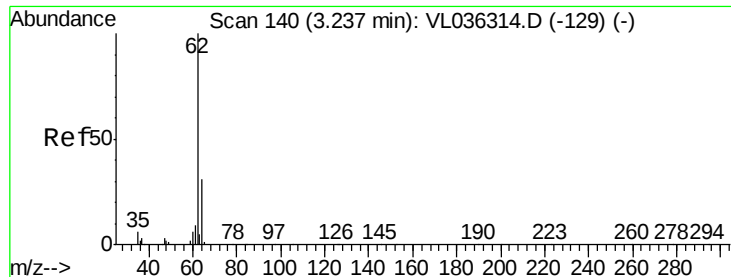
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#4
Chloromethane
Concen: 9.298 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 50 Resp: 873260
Ion Ratio Lower Upper
50 100
52 34.2 27.0 40.4





#5

Vinyl Chloride

Concen: 9.828 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 62 Resp: 859515

Ion Ratio Lower Upper

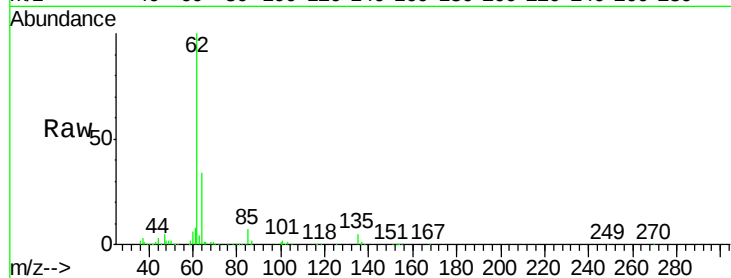
62 100

64 33.9 24.4 36.6

Manual Integrations
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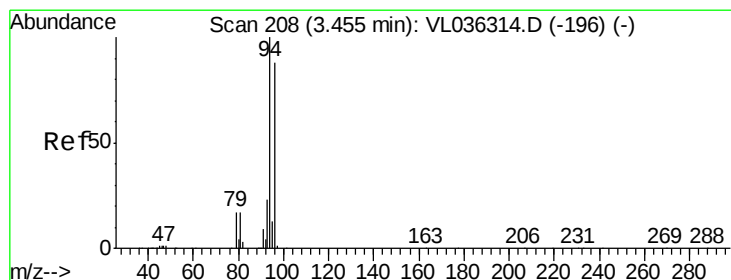
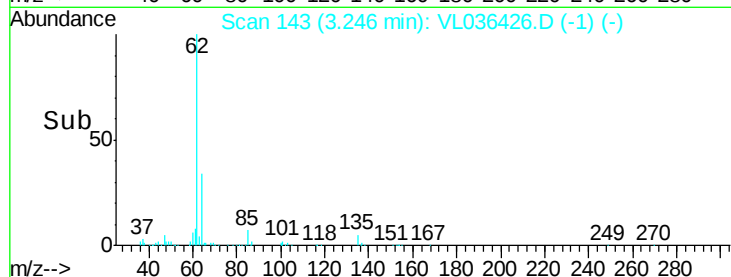
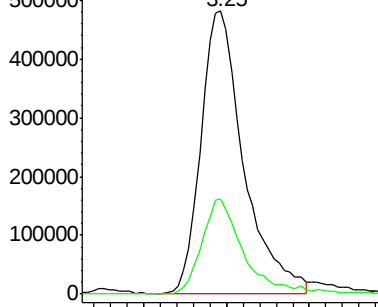
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.920 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL036426.D

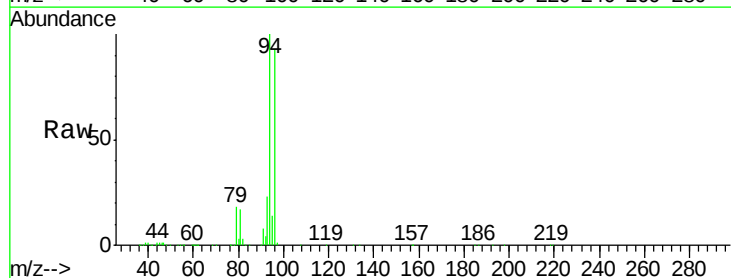
Acq: 2 Mar 2021 12:10

Tgt Ion: 94 Resp: 515652

Ion Ratio Lower Upper

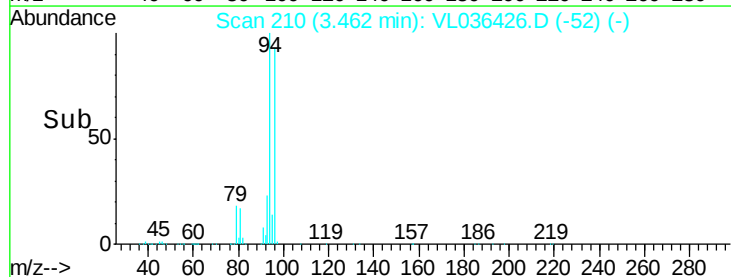
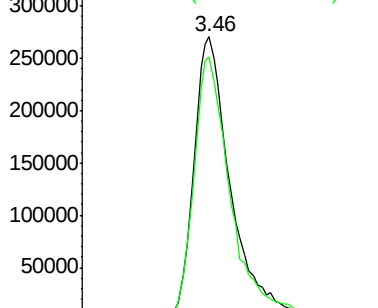
94 100

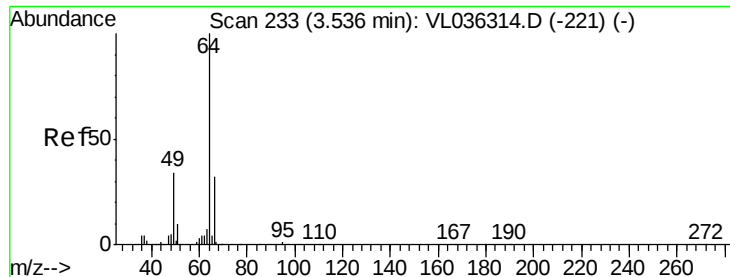
96 92.8 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.281 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 64 Resp: 319251

Ion Ratio Lower Upper

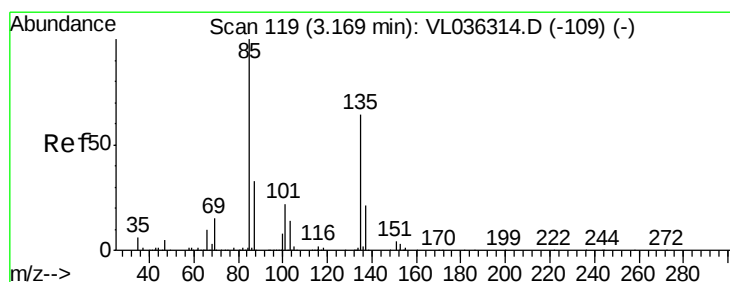
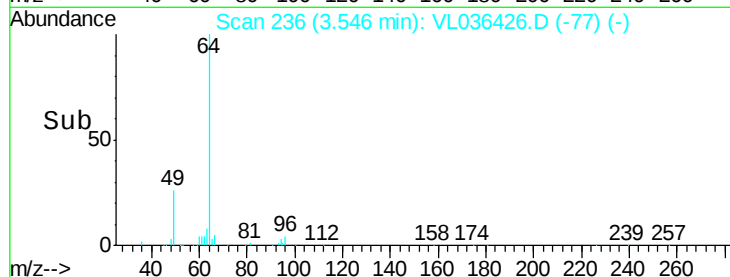
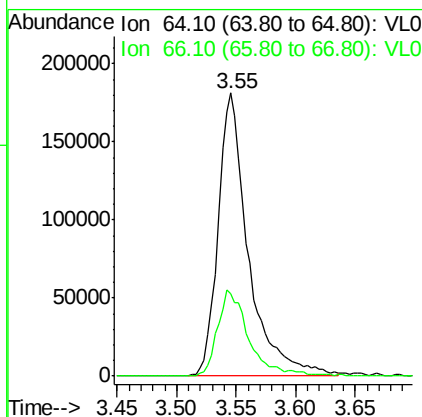
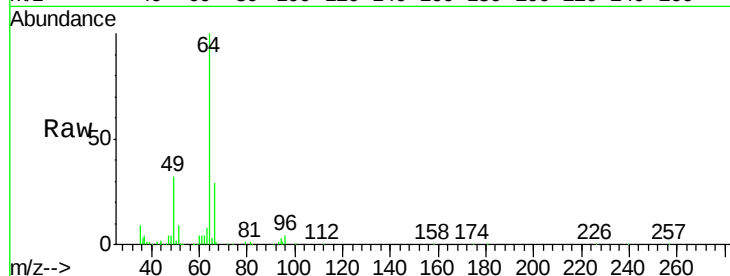
64 100

66 29.3 25.6 38.4

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#8

Dichlorotetrafluoroethane

Concen: 9.442 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036426.D

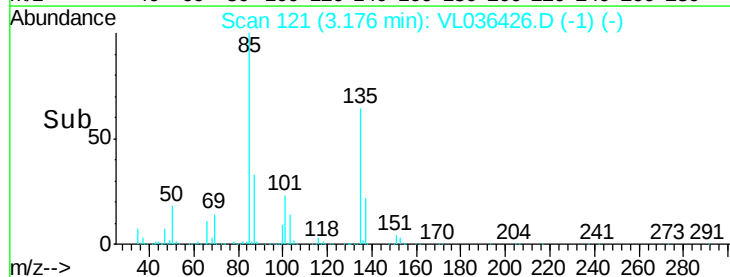
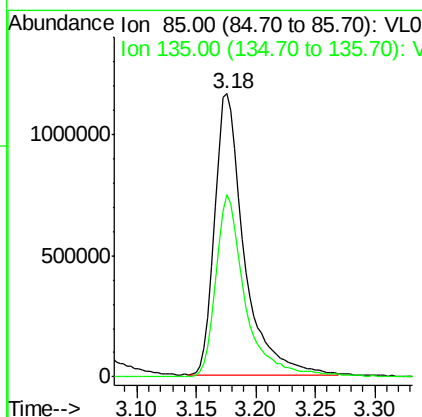
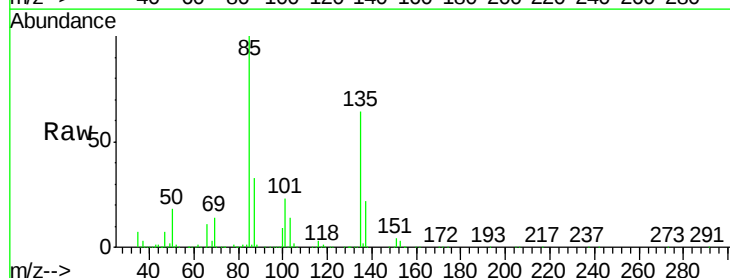
Acq: 2 Mar 2021 12:10

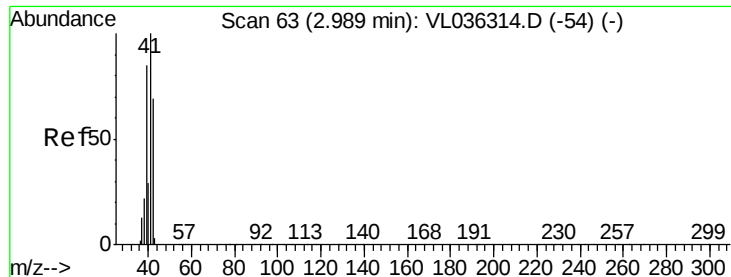
Tgt Ion: 85 Resp: 2005158

Ion Ratio Lower Upper

85 100

135 64.7 51.1 76.7





#9

Propene

Concen: 11.125 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 41 Resp: 806308

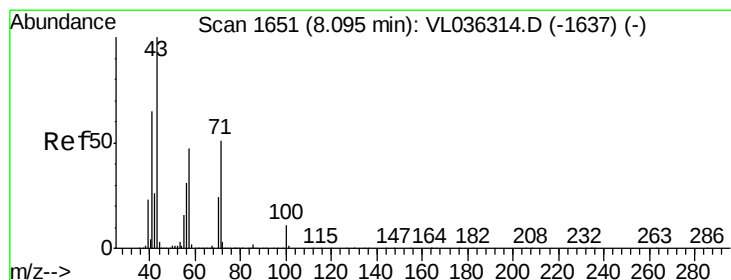
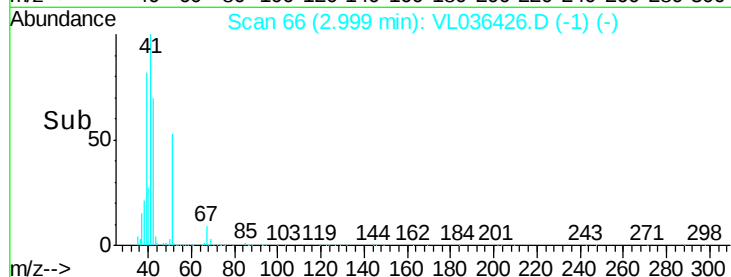
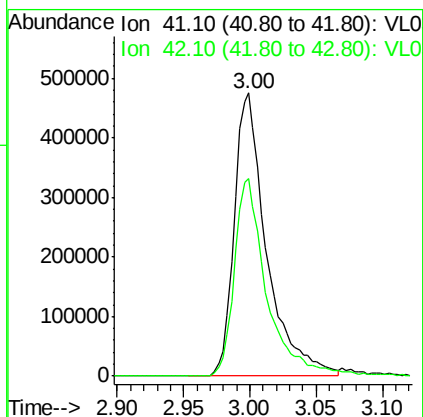
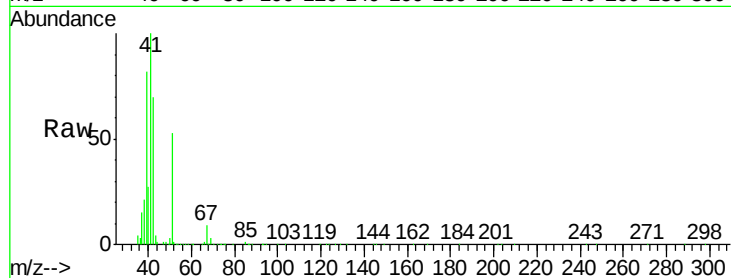
Ion Ratio Lower Upper

41 100

42 70.3 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 9.799 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL036426.D

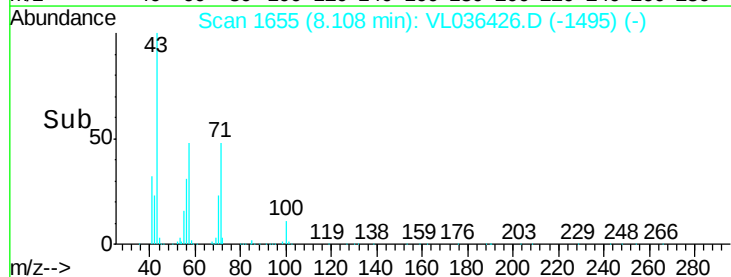
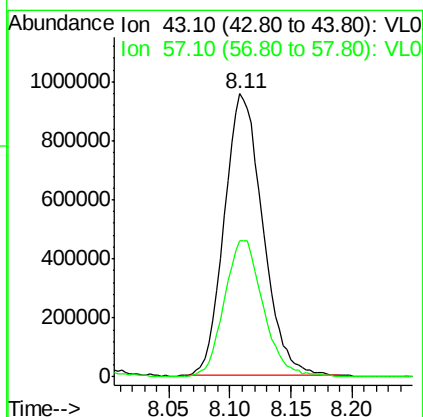
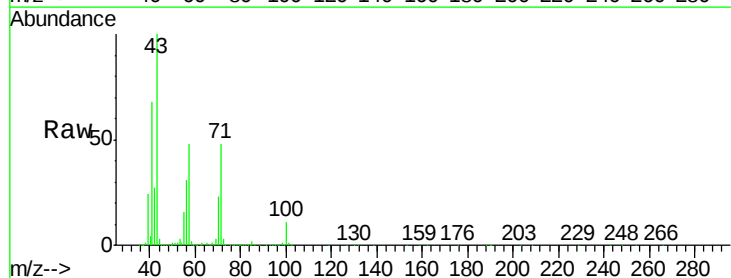
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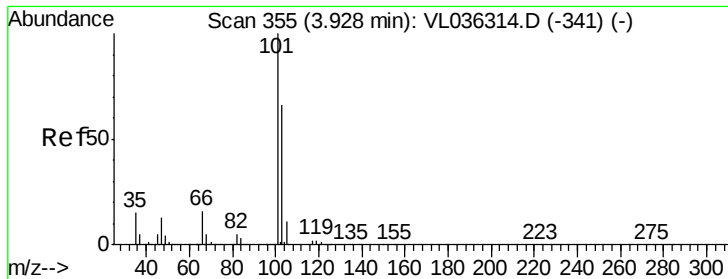
Tgt Ion: 43 Resp: 2093008

Ion Ratio Lower Upper

43 100

57 49.5 39.4 59.2





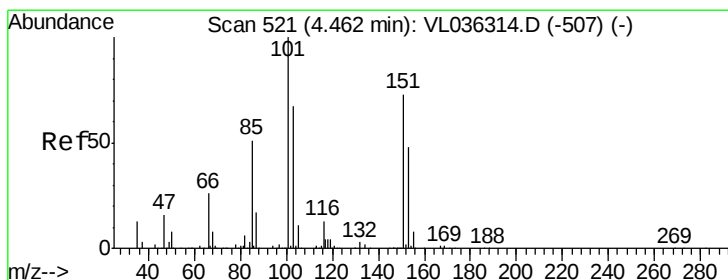
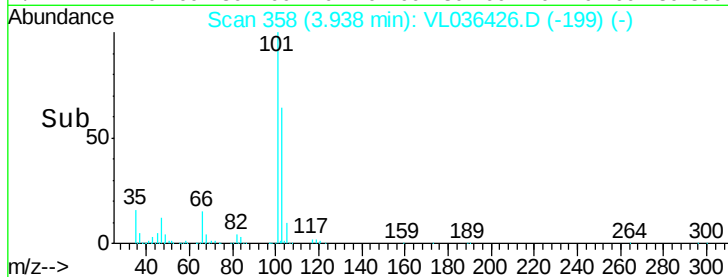
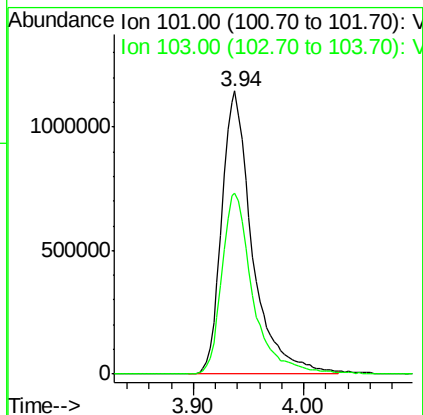
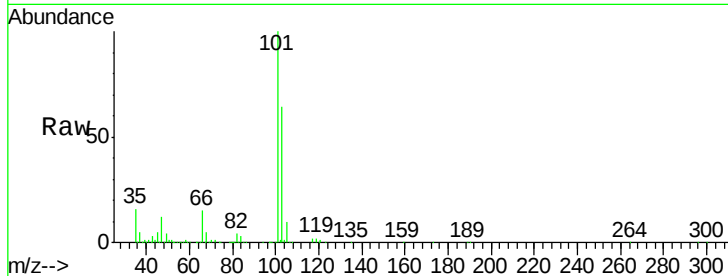
#11
 Trichlorofluoromethane
 Concen: 9.649 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion:101 Resp: 2206093
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.9 79.3

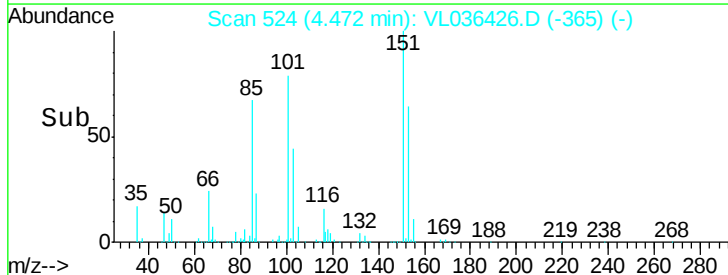
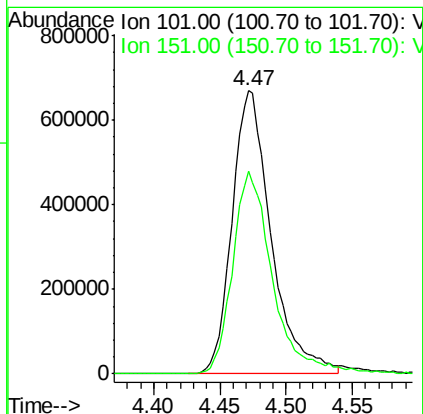
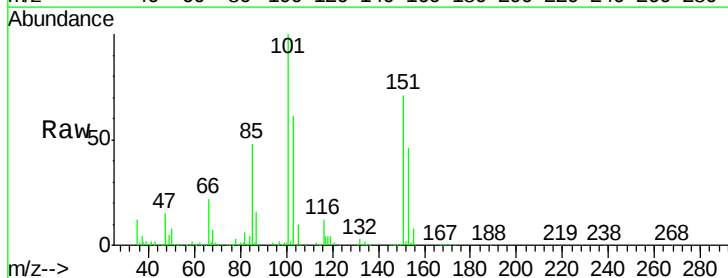
Manual Integrations
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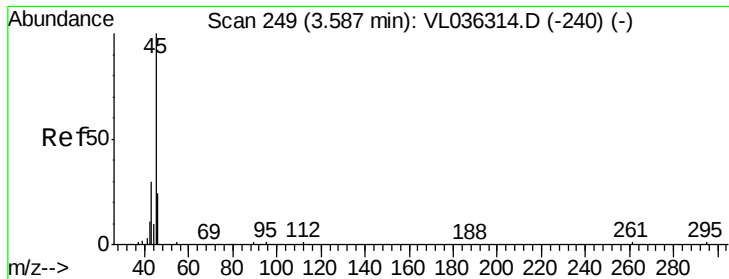
MMDadoda
 3/3/2021 1:52:24 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.717 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion:101 Resp: 1376240
 Ion Ratio Lower Upper
 101 100
 151 73.5 58.2 87.4





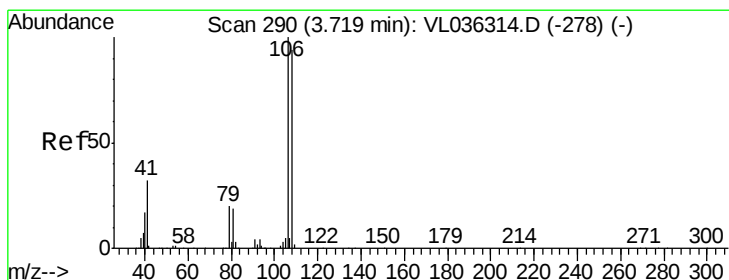
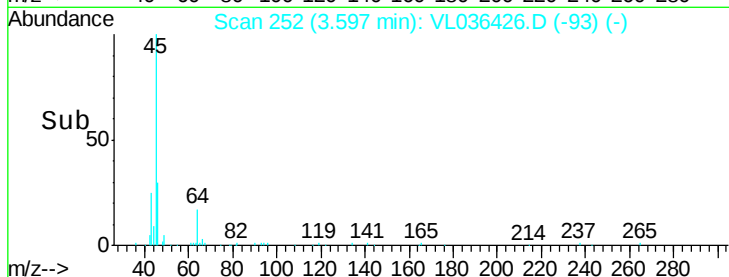
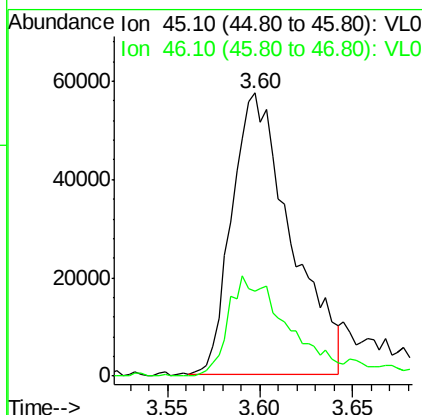
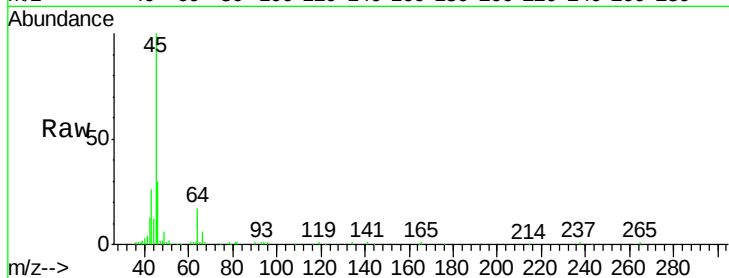
#13
Ethanol
Concen: 9.268 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	45	46	Ratio	100	40.8	Resp	Lower	Upper
45	100					126166		
46		40.8					17.7	70.7

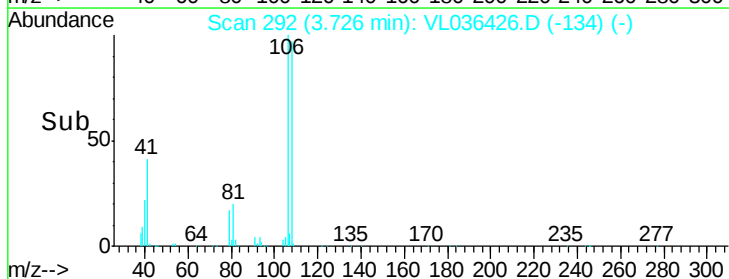
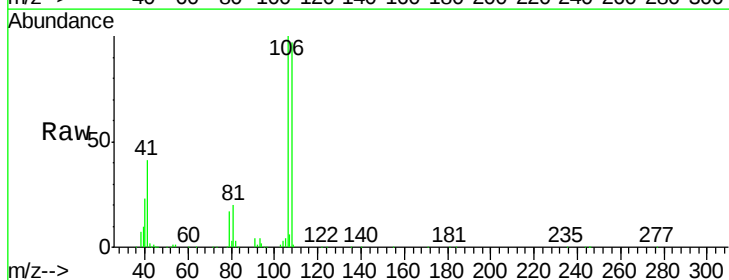
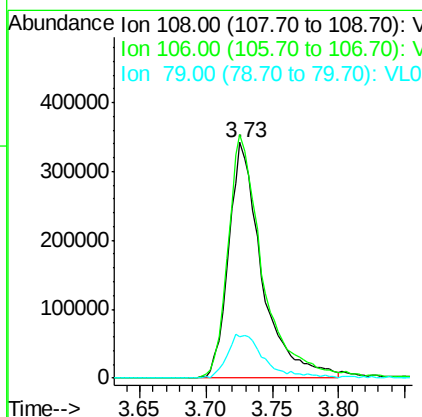
Manual Integrations
APPROVED

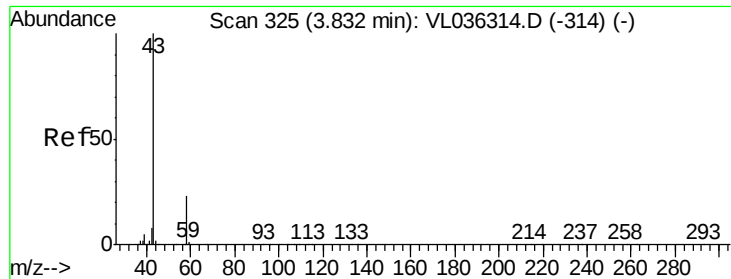
MMDadoda
3/3/2021 1:52:24 PM



#14
Bromoethene
Concen: 10.067 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	108	106	79	Ratio	100	108.7	21.6	Resp	Lower	Upper
108	100							596727		
106		108.7				89.8			134.8	
79			21.6				17.1		25.7	





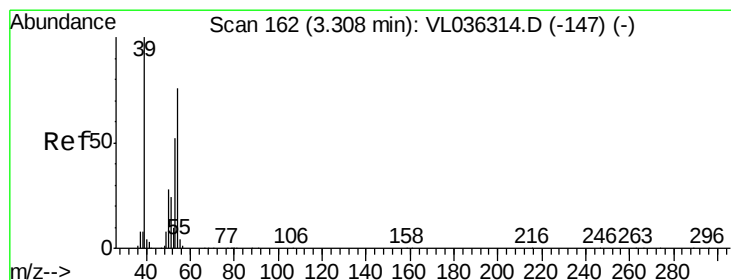
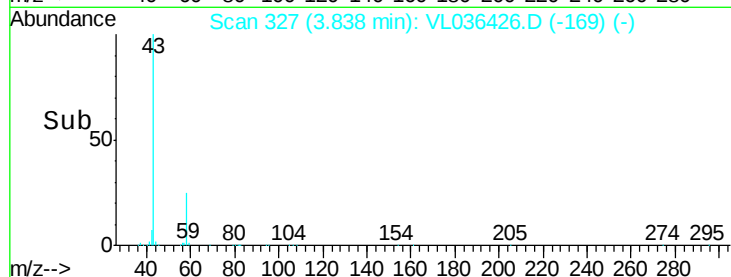
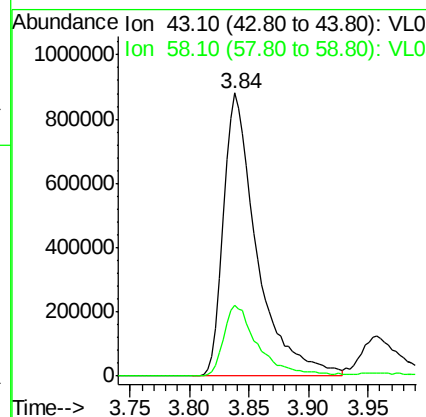
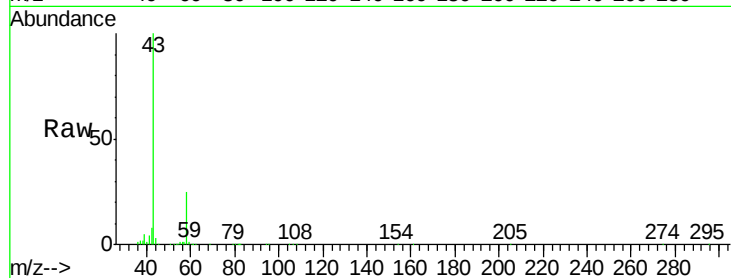
#15
Acetone
Concen: 8.956 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 43 Resp: 1712800
Ion Ratio Lower Upper
43 100
58 25.8 20.3 30.5

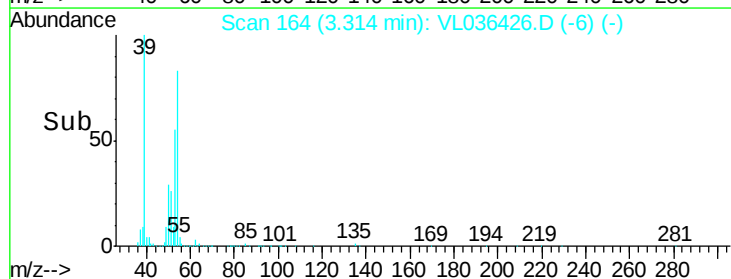
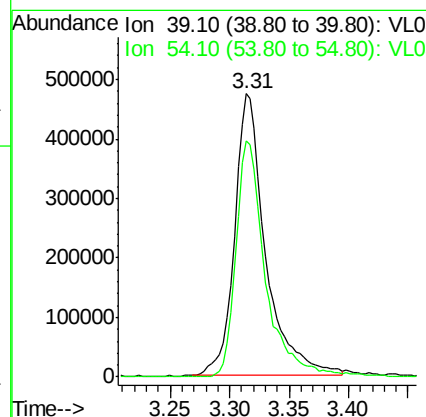
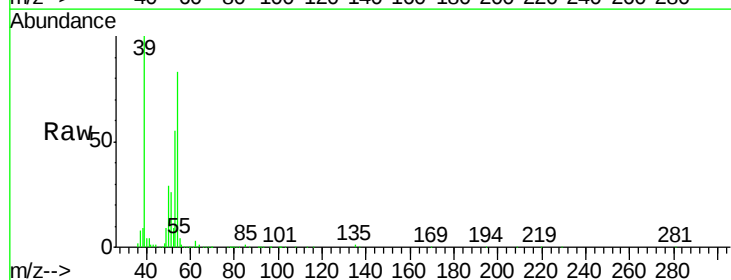
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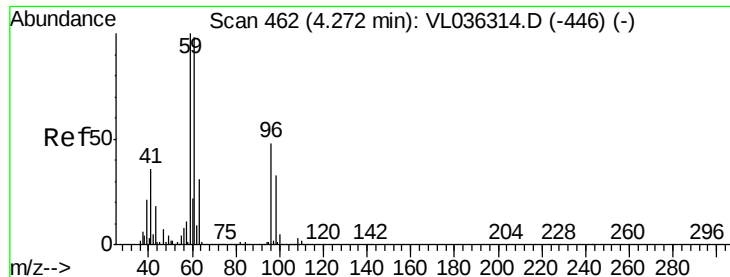
MMDadoda
3/3/2021 1:52:24 PM



#16
1,3-Butadiene
Concen: 9.307 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 39 Resp: 851085
Ion Ratio Lower Upper
39 100
54 81.0 64.4 96.6





#17

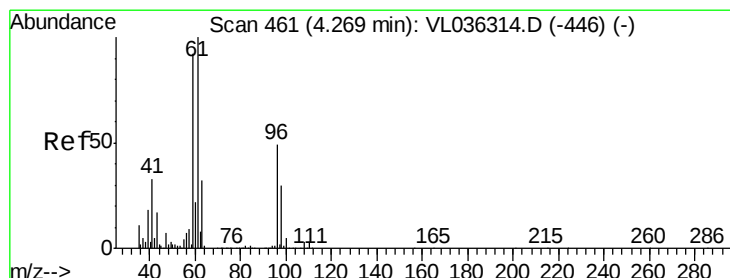
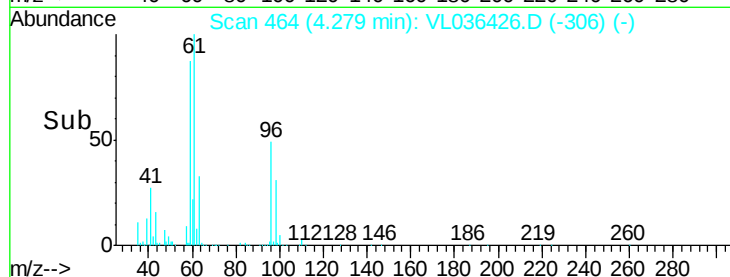
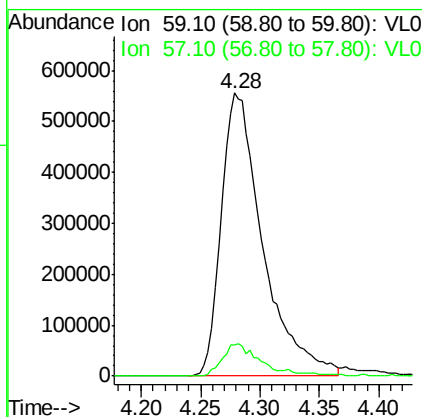
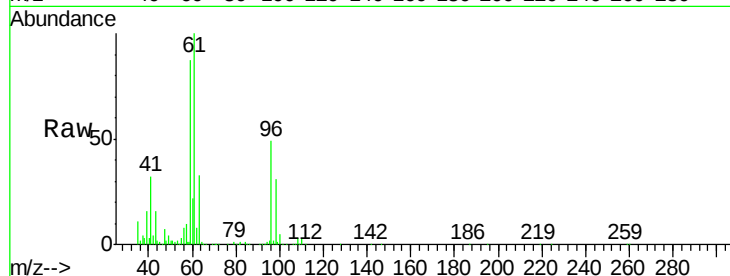
tert-Butyl alcohol
Concen: 9.042 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 59 Resp: 1342306
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

Manual Integrations
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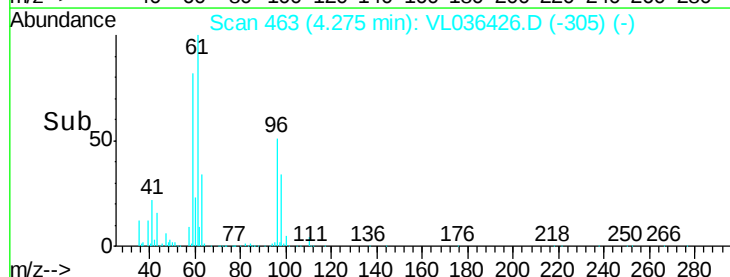
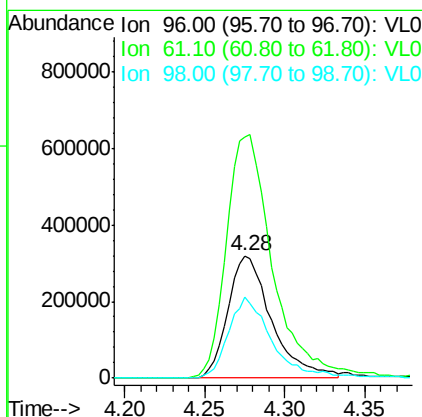
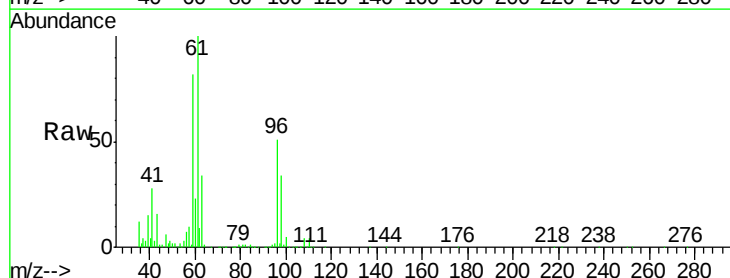
MMDadoda
3/3/2021 1:52:24 PM

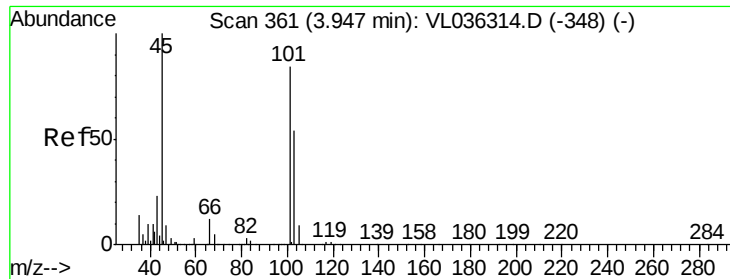


#18

1,1-Dichloroethene
Concen: 9.299 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 96 Resp: 598556
Ion Ratio Lower Upper
96 100
61 196.6 162.5 243.7
98 66.4 48.5 72.7





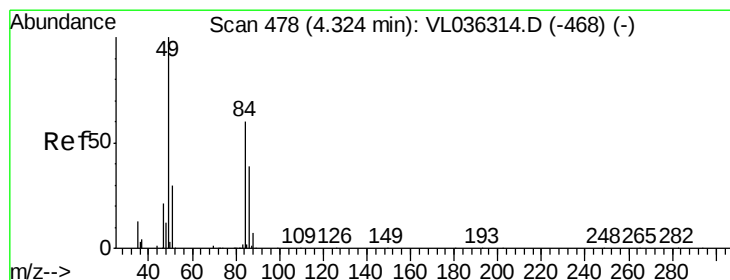
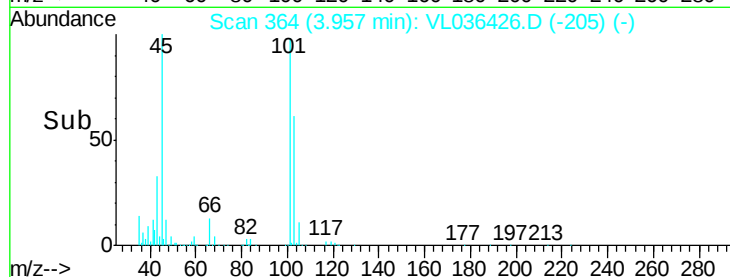
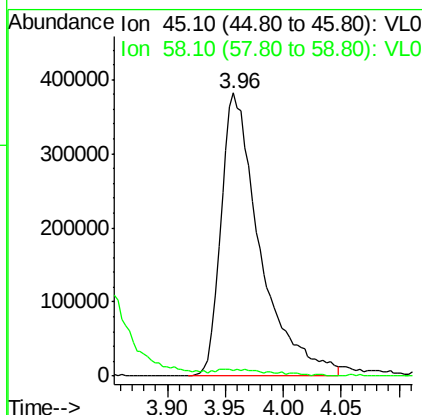
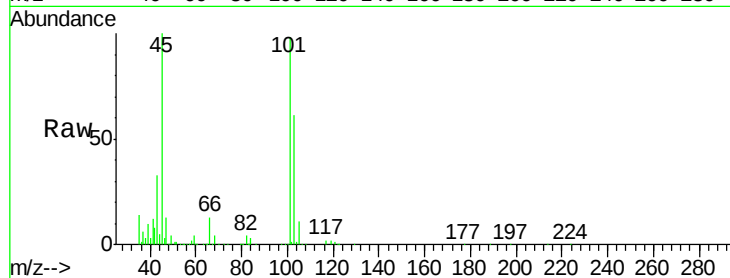
#19
Isopropyl Alcohol
Concen: 8.423 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.3	1.9	2.9#

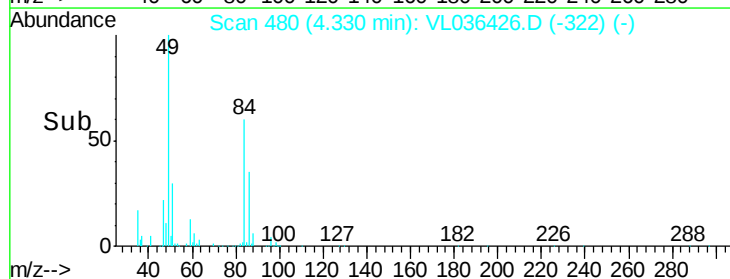
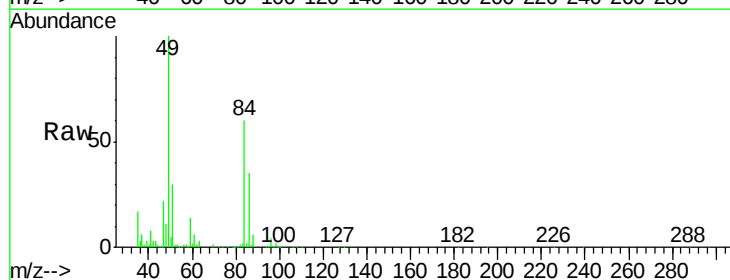
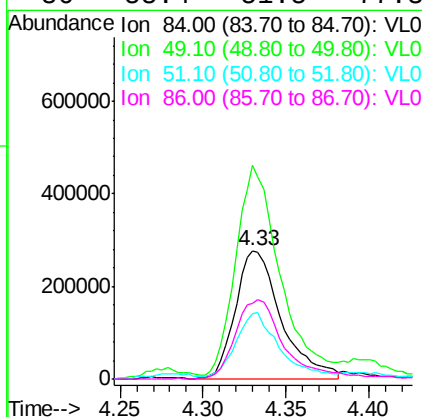
Manual Integrations
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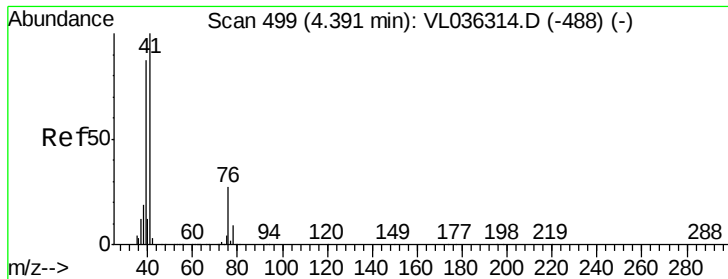
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3/3/2021 1:52:24 PM



#20
Methylene Chloride
Concen: 8.581 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.0	133.8	200.8
51	47.1	41.4	62.0
86	58.4	51.5	77.3





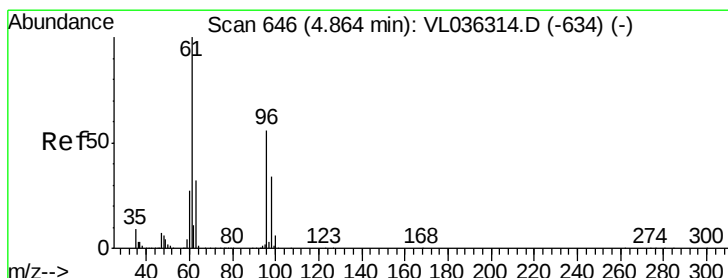
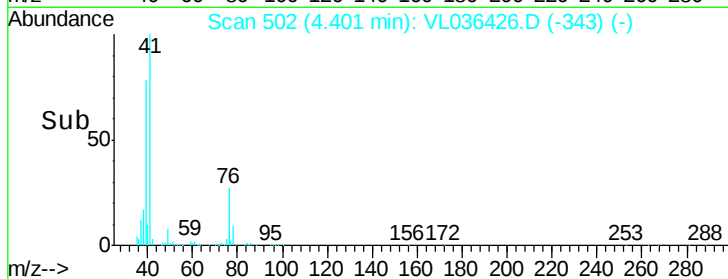
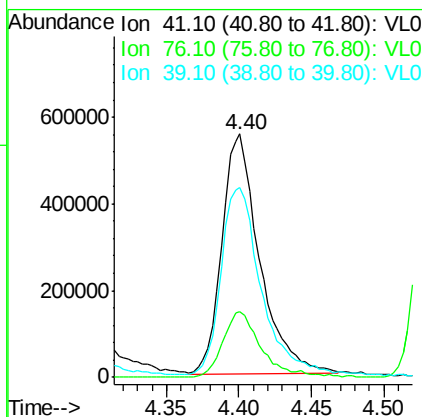
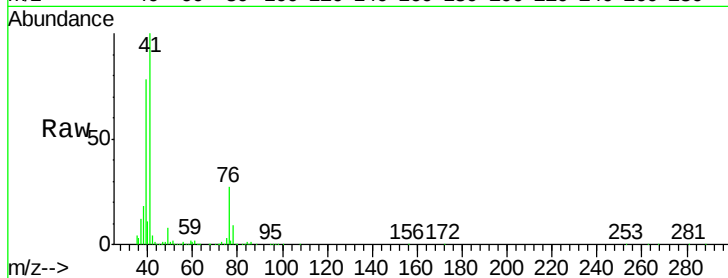
#21
Allvl Chloride
Concen: 9.385 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.0	33.0
39	86.5	70.2	105.2

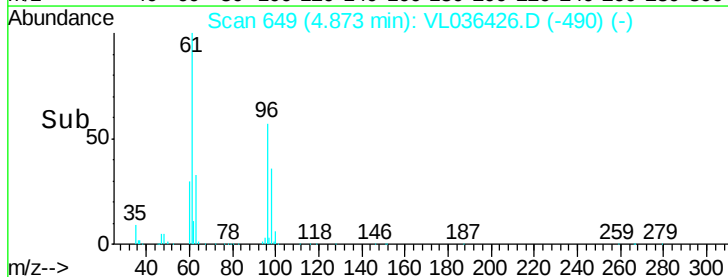
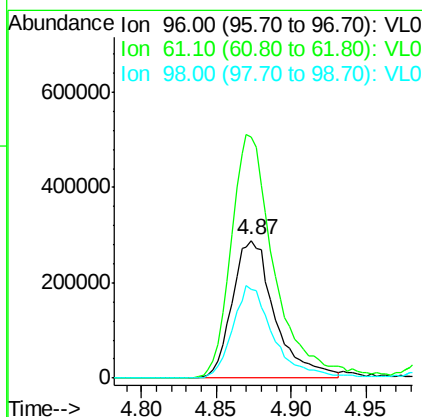
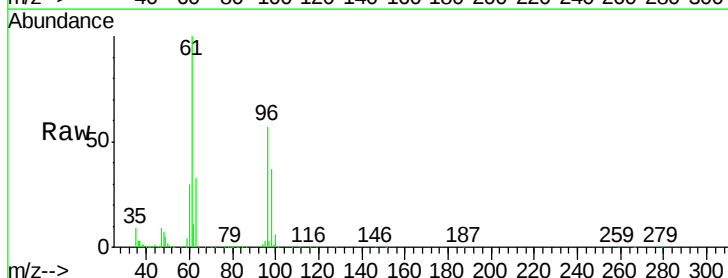
Manual Integrations
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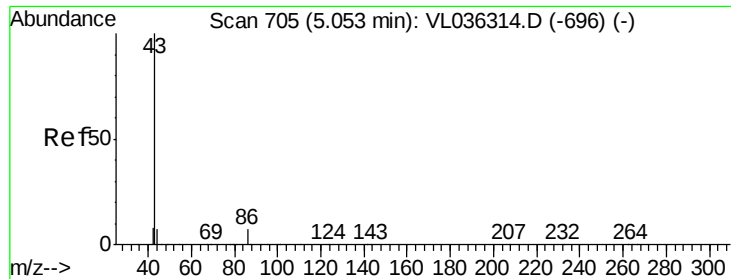
MMDadoda
3/3/2021 1:52:24 PM



#22
trans-1,2-Dichloroethene
Concen: 9.788 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	143.7	215.5
98	64.1	48.5	72.7





#23

Vinyl Acetate

Concen: 9.334 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Tot Ion: 43 Resp: 2098926

Ion Ratio Lower Upper

43 100

86 6.9 4.8 7.2

42 10.2 7.4 11.0

44 5.4 4.8 7.2

Instrument :

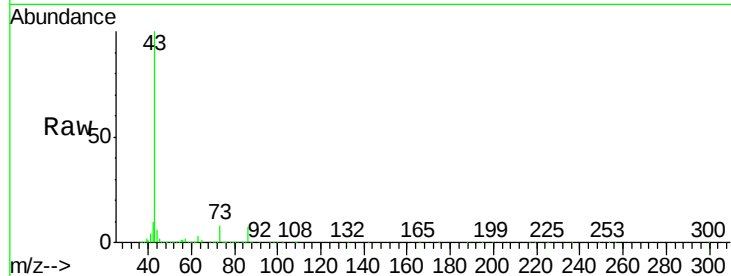
MSVOA_L

ClientSampleId :

VL0302ABS01

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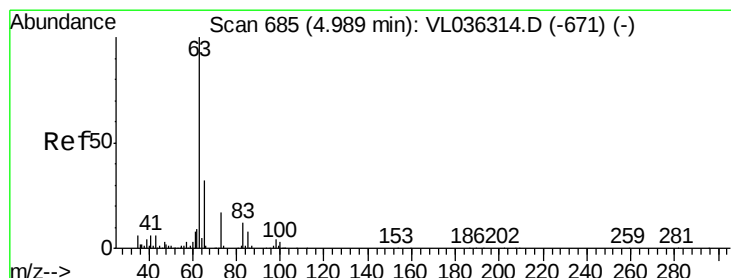
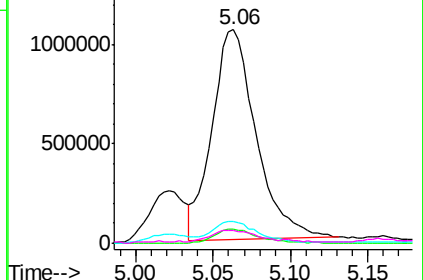
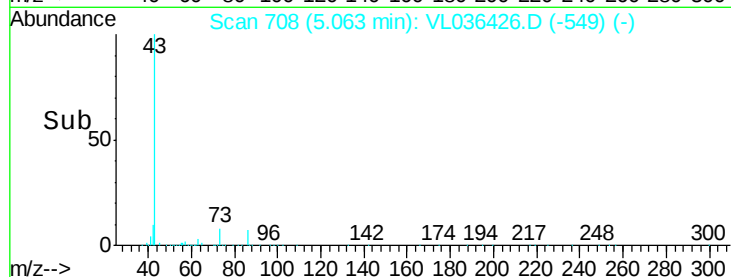


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.772 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

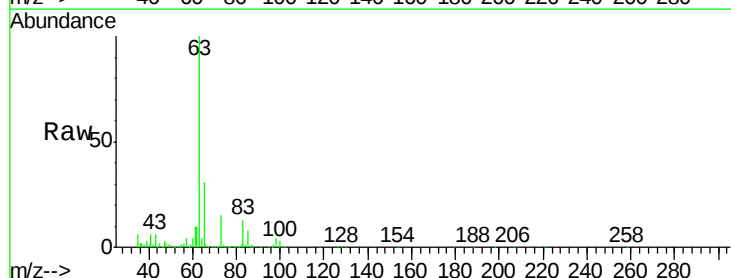
Tgt Ion: 63 Resp: 1625099

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

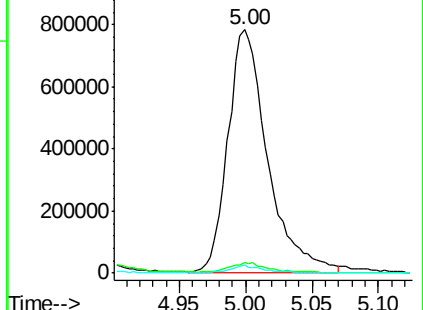
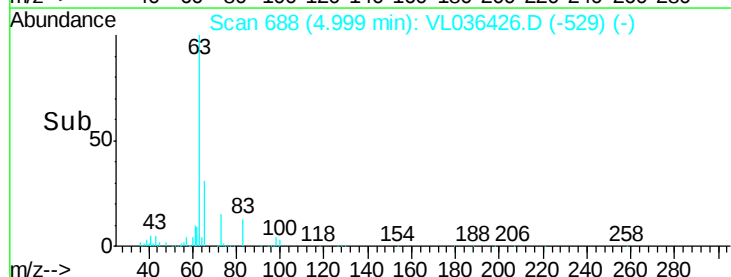
100 3.0 1.5 4.4

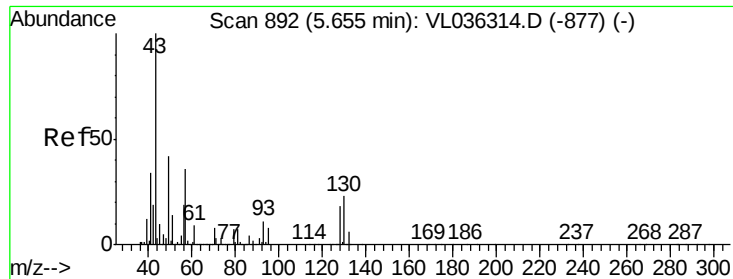


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





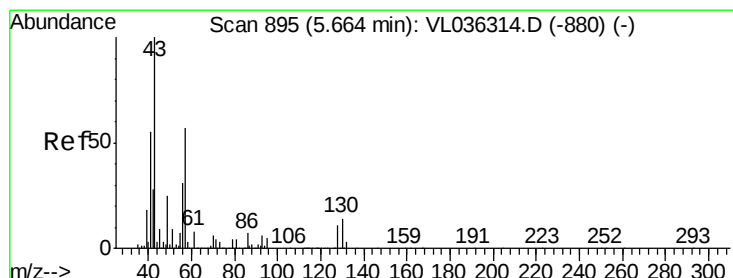
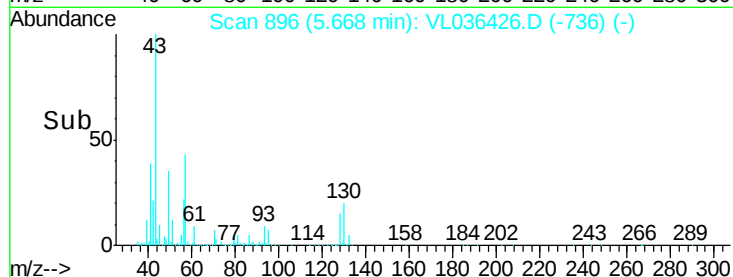
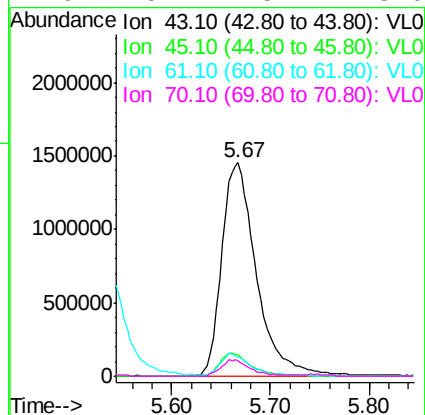
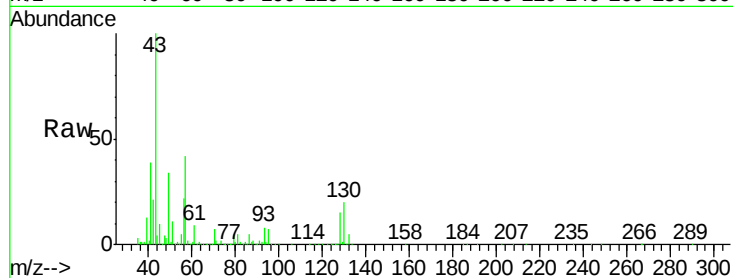
#25
Ethyl Acetate
Concen: 9.630 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	43	Resp	3555326
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.7	7.3	10.9
70	6.7	5.4	8.0

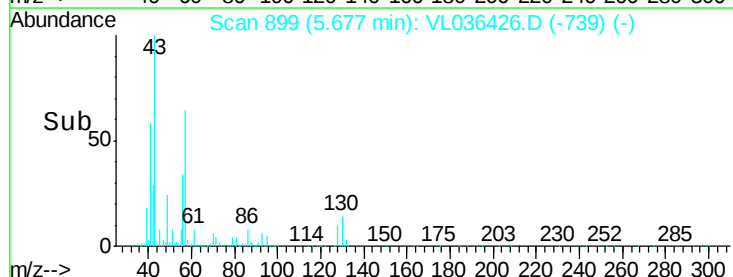
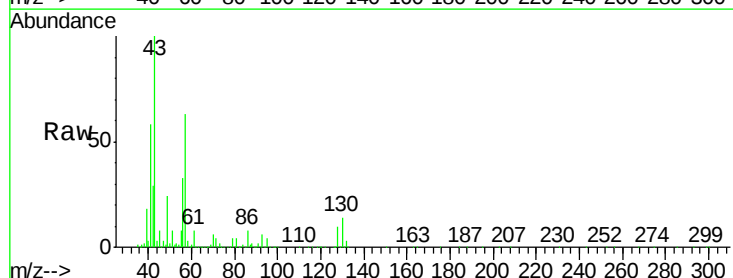
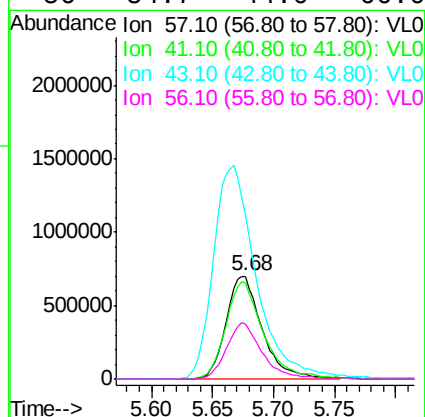
Manual Integrations
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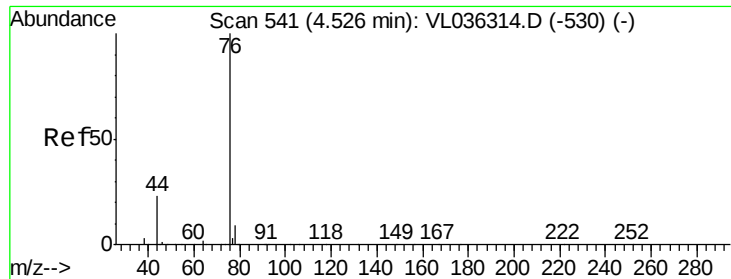
MMDadoda
3/3/2021 1:52:24 PM



#26
Hexane
Concen: 9.537 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	57	Resp	1446777
Ion	Ratio	Lower	Upper
57	100		
41	99.9	81.7	122.5
43	247.0	199.1	298.7
56	54.7	44.0	66.0





#27

Carbon Disulfide

Concen: 10.803 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

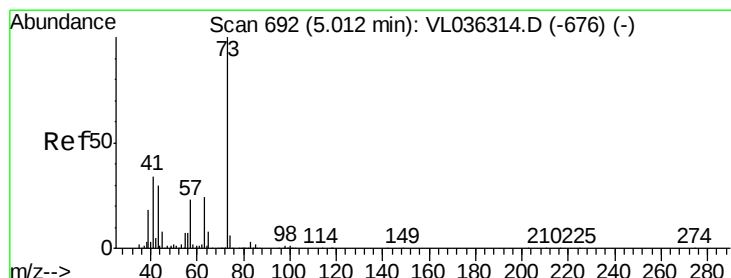
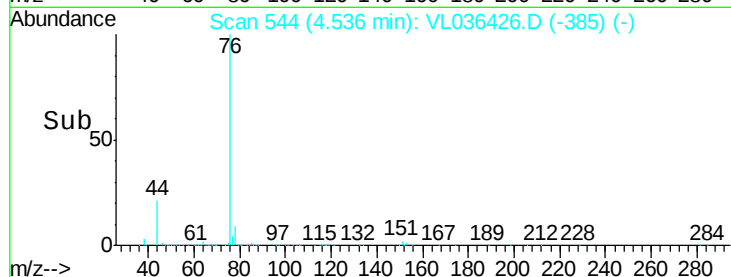
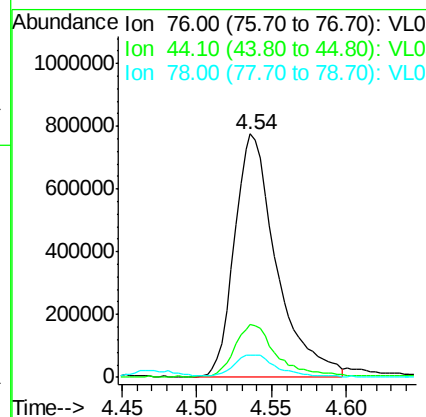
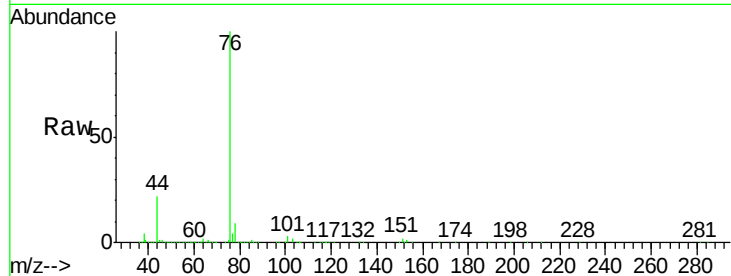
ClientSampleID :

VL0302ABS01

Tot Ion:	76	Resp:	1506231
Ion	Ratio	Lower	Upper
76	100		
44	22.0	18.4	27.6
78	10.2	8.0	12.0

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#28

Methyl tert-Butyl Ether

Concen: 9.783 ppbv

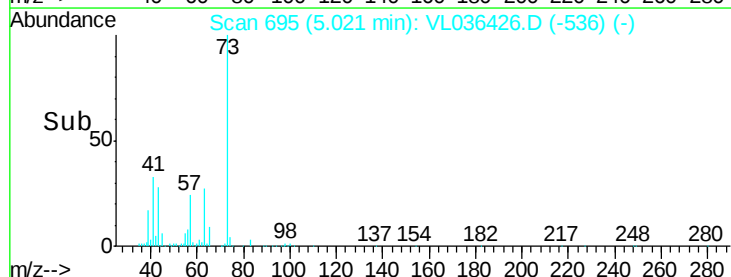
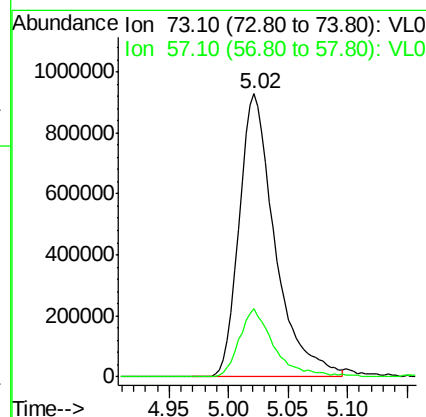
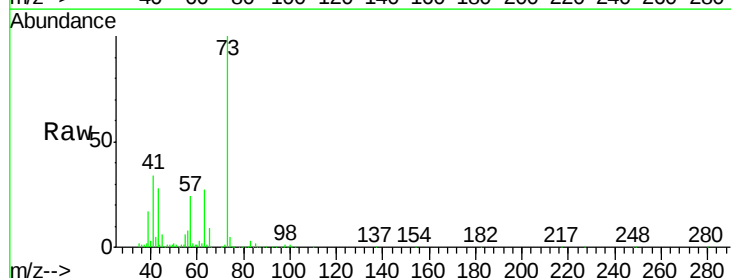
RT: 5.02 min Scan# 695

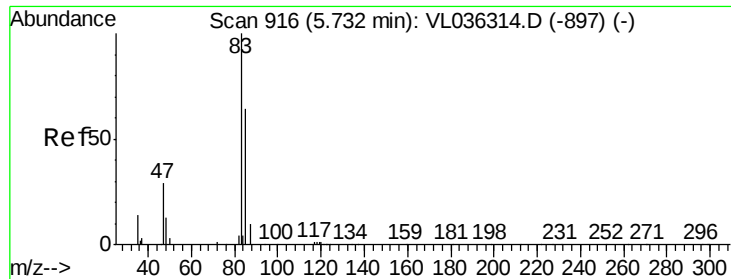
Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Tgt Ion:	73	Resp:	1938771
Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.2	28.8





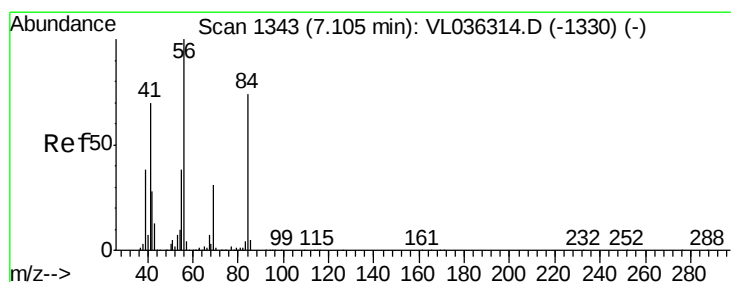
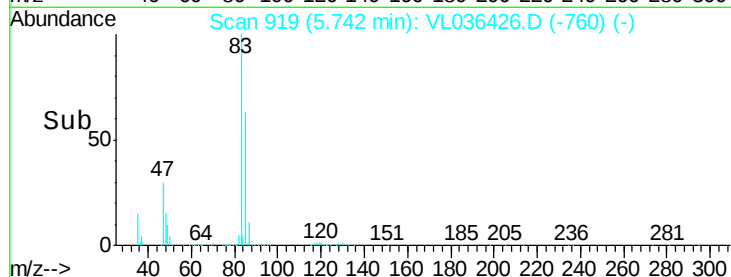
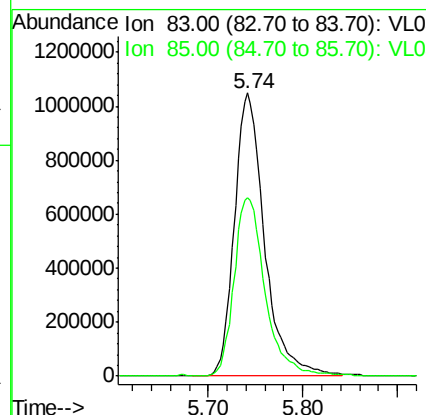
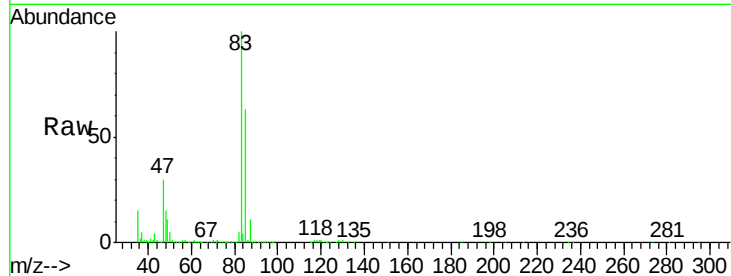
#29
Chloroform
Concen: 9.487 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 83 Resp: 2318437
Ion Ratio Lower Upper
83 100
85 62.9 51.4 77.2

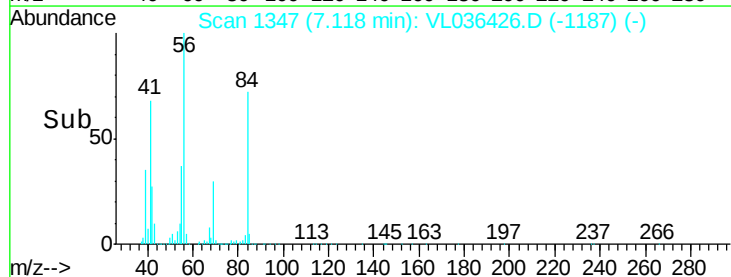
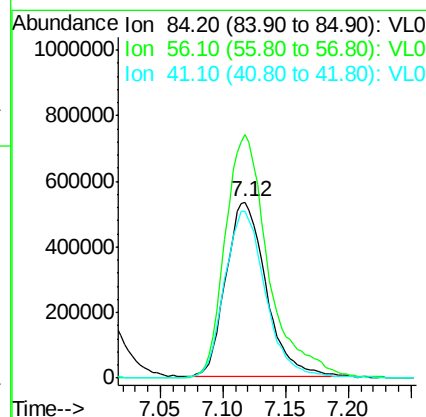
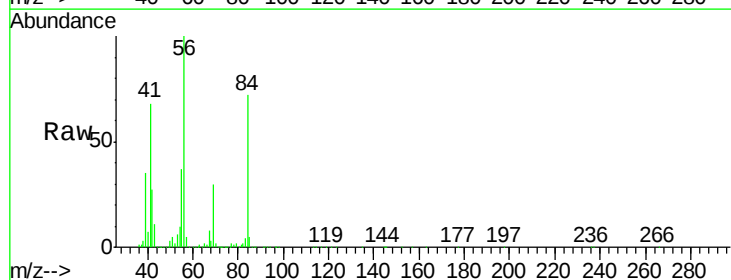
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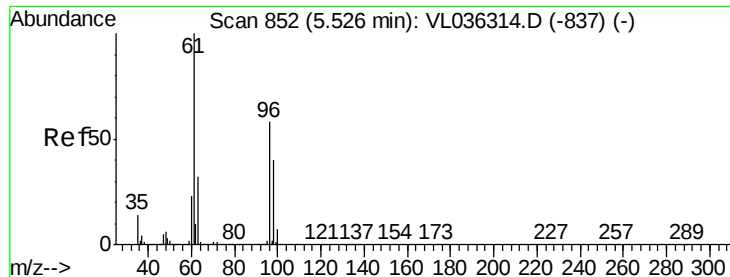
MMDadoda
3/3/2021 1:52:24 PM



#30
Cyclohexane
Concen: 9.410 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 84 Resp: 1187190
Ion Ratio Lower Upper
84 100
56 150.8 120.2 180.4
41 97.9 79.7 119.5





#31

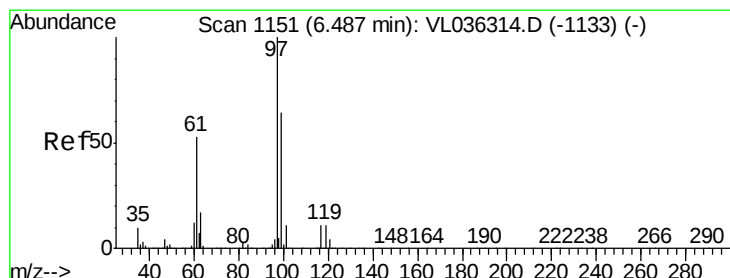
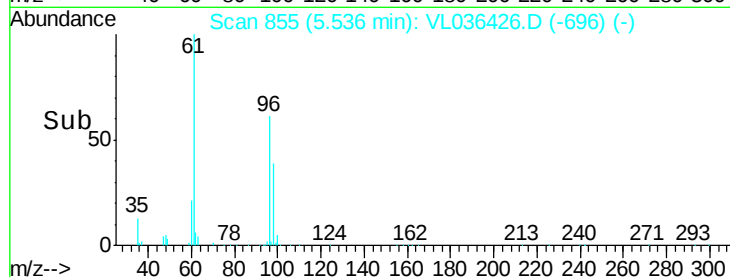
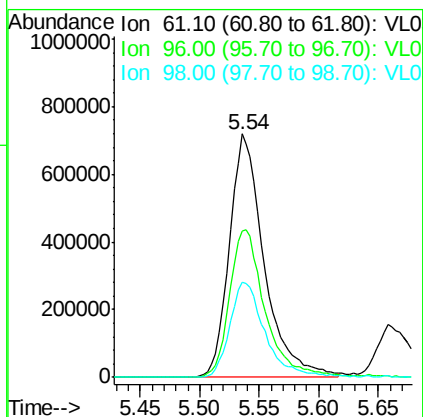
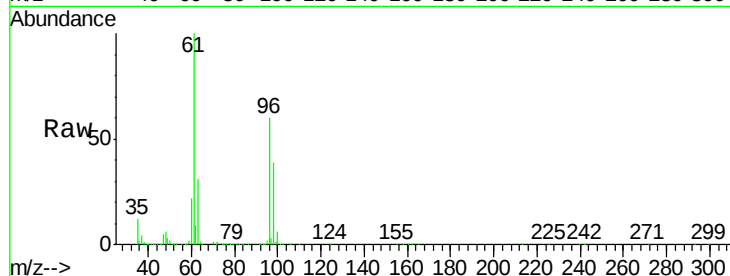
cis-1,2-Dichloroethene
Concen: 9.687 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.8	46.0	69.0
98	39.2	31.9	47.9

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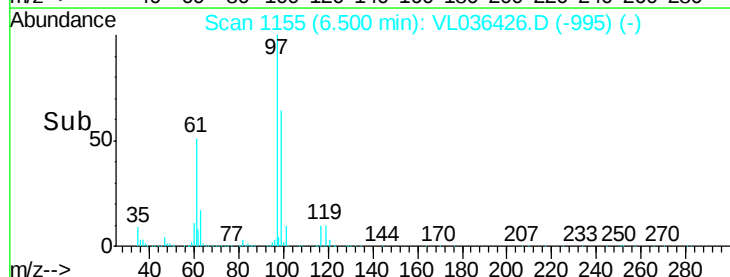
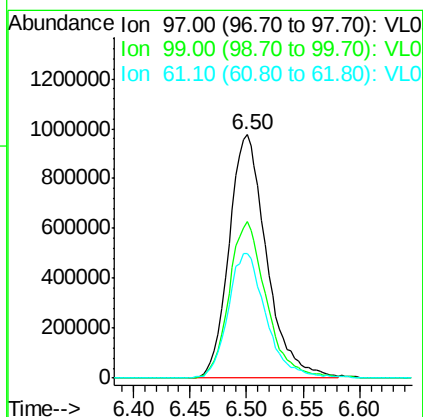
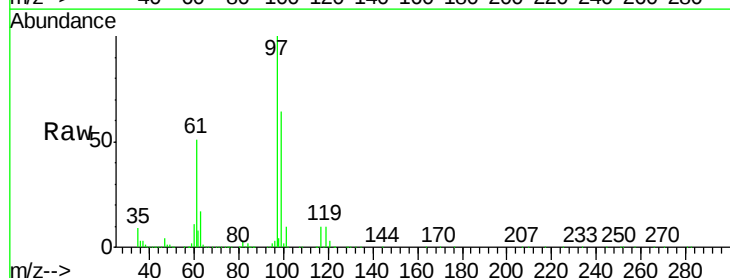
MMDadoda
3/3/2021 1:52:24 PM

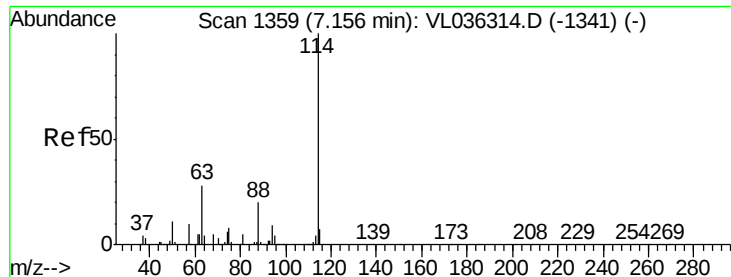


#32

1,1,1-Trichloroethane
Concen: 9.870 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.2	78.4
61	52.0	43.3	64.9





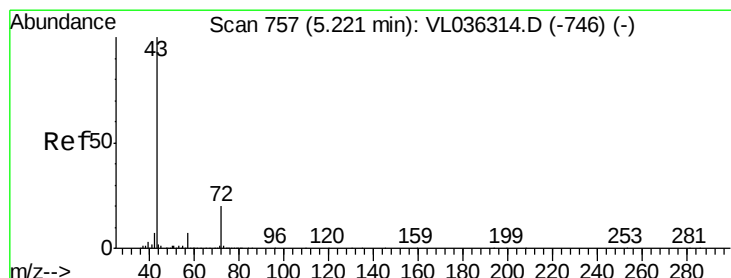
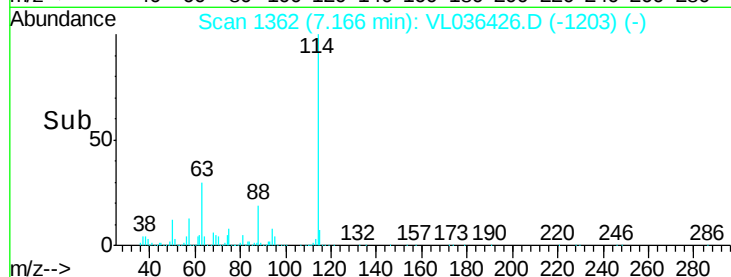
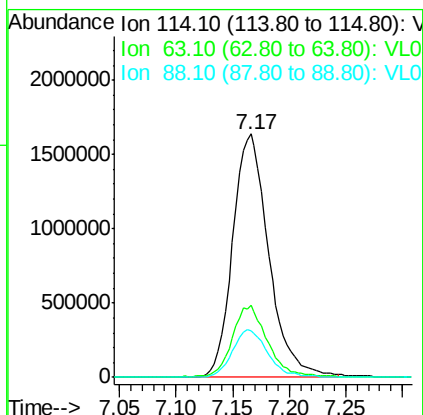
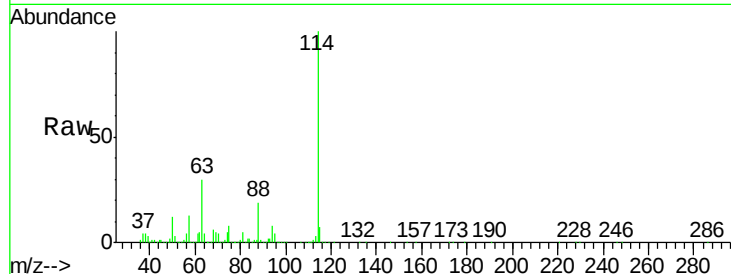
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion:114 Resp: 3638986
 Ion Ratio Lower Upper
 114 100
 63 29.3 24.1 36.1
 88 19.5 16.0 24.0

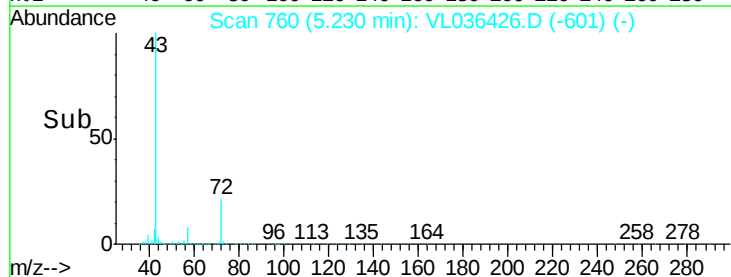
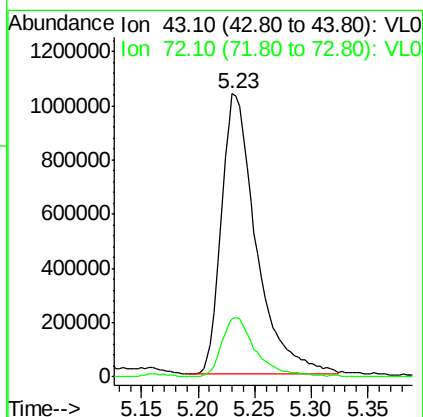
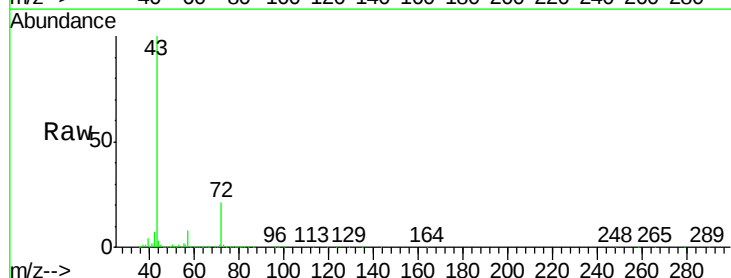
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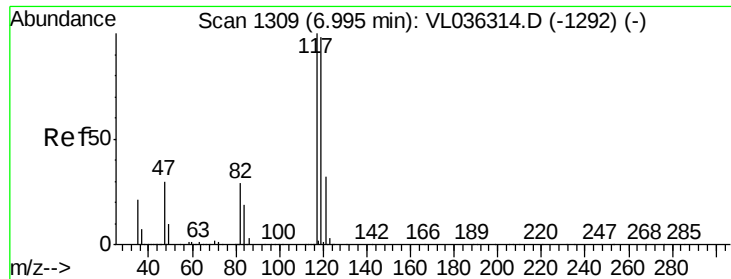
MMDadoda
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#34
 2-Butanone
 Concen: 9.196 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion: 43 Resp: 2223531
 Ion Ratio Lower Upper
 43 100
 72 21.0 16.7 25.1





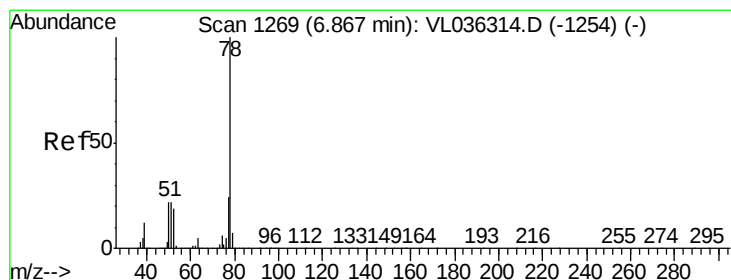
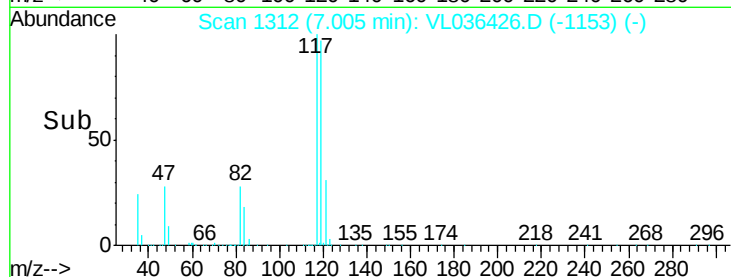
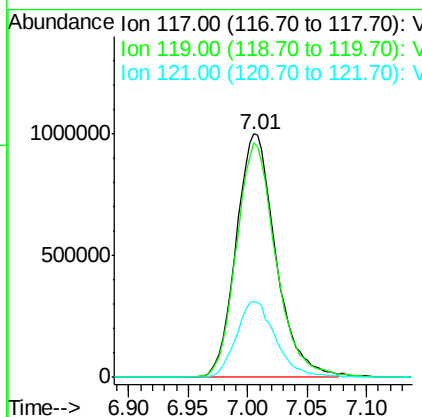
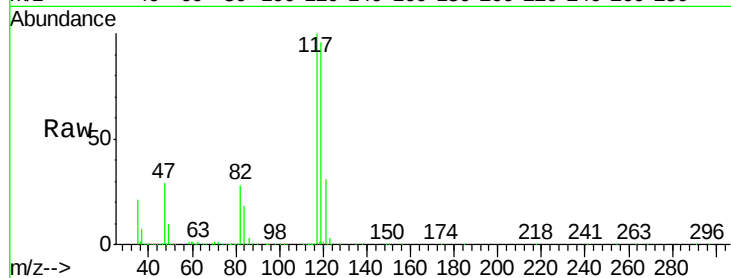
#35
Carbon Tetrachloride
Concen: 9.443 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.1	117.1
121	31.0	25.8	38.8

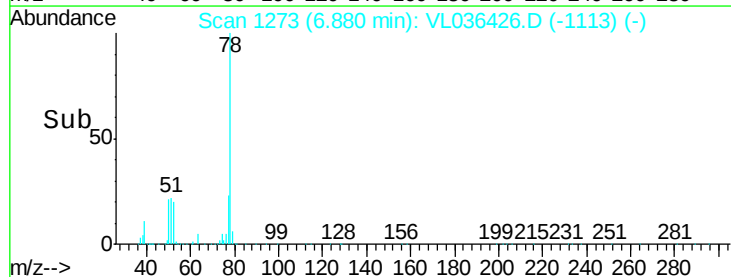
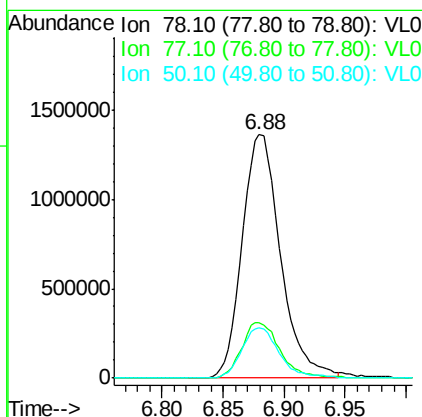
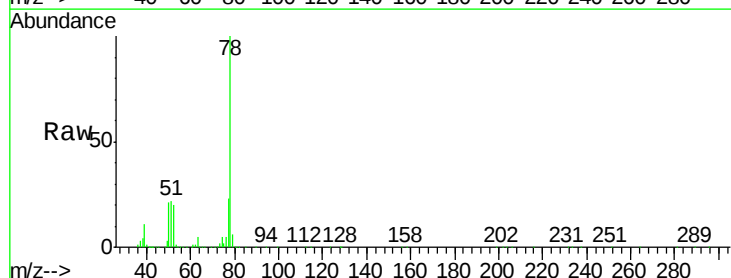
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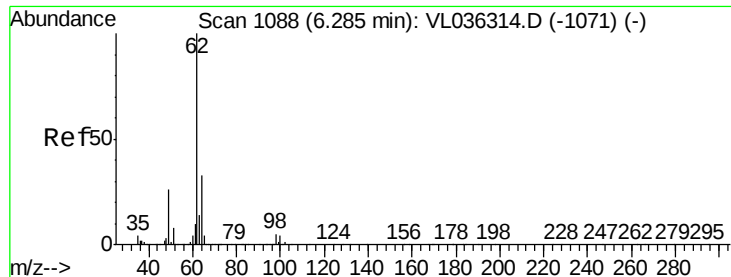
MMDadoda
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#36
Benzene
Concen: 9.564 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3
50	20.8	17.3	25.9





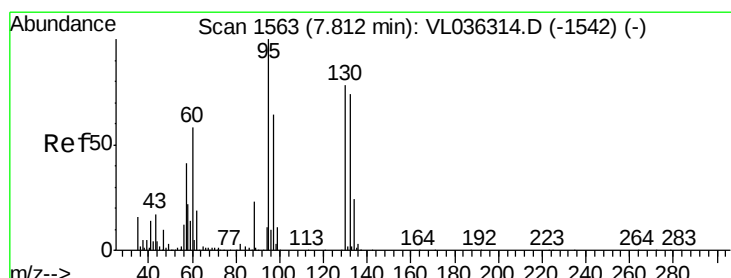
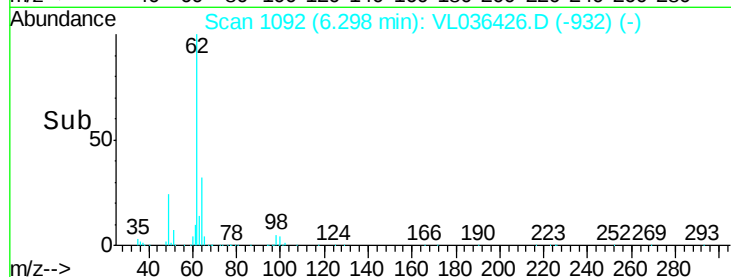
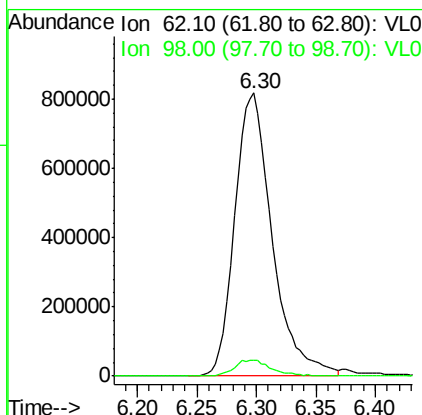
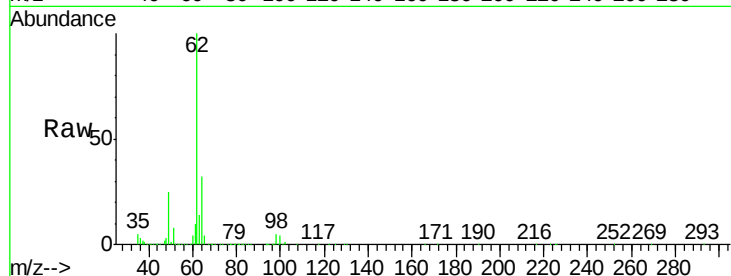
#37
 1,2-Dichloroethane
 Concen: 9.338 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion: 62 Resp: 1784609
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7

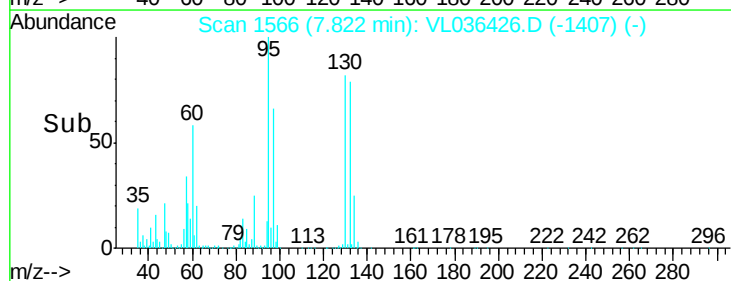
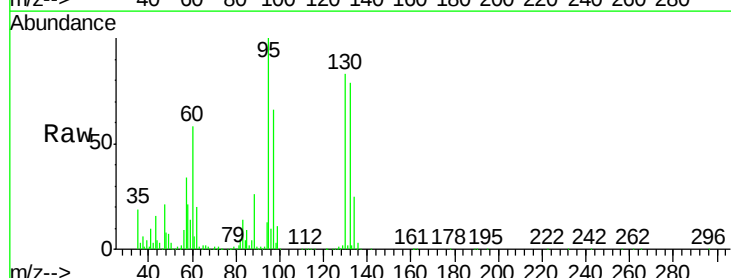
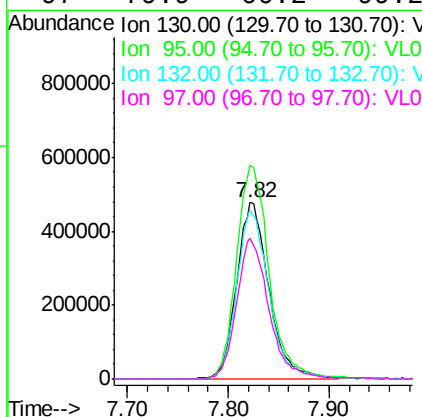
Manual Integrations
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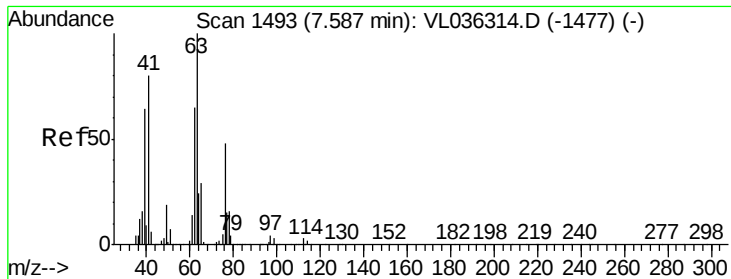
MMDadoda
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#38
 Trichloroethene
 Concen: 9.534 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion:130 Resp: 1055810
 Ion Ratio Lower Upper
 130 100
 95 121.3 102.8 154.2
 132 96.0 75.7 113.5
 97 79.9 66.2 99.2





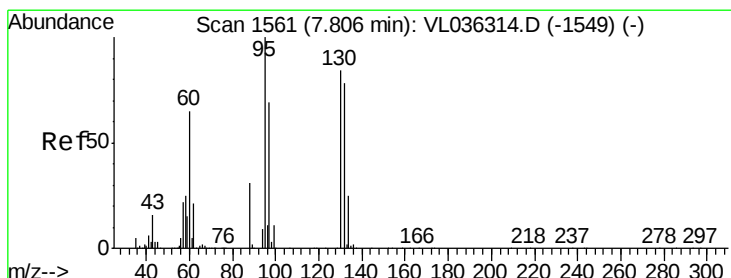
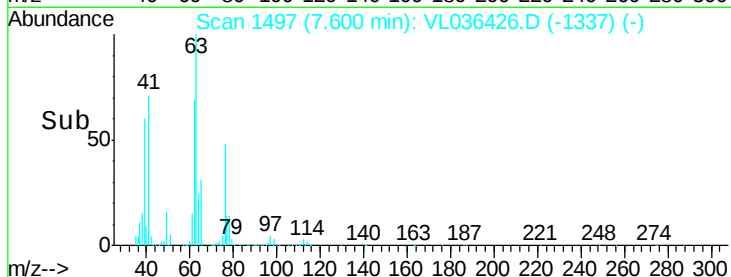
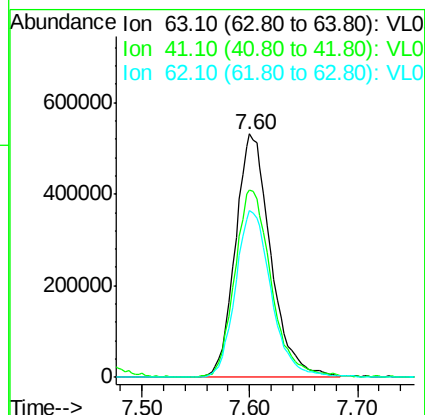
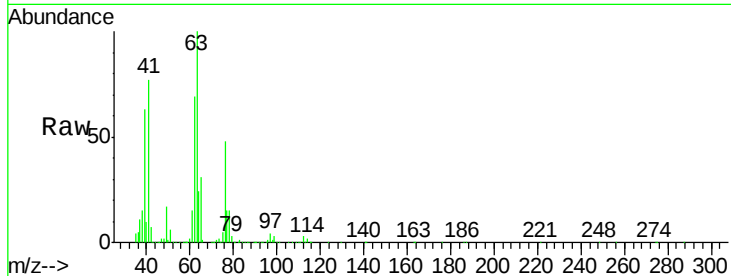
#39
 1,2-Dichloropropane
 Concen: 9.655 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.6	63.8	95.6
62	68.8	52.3	78.5

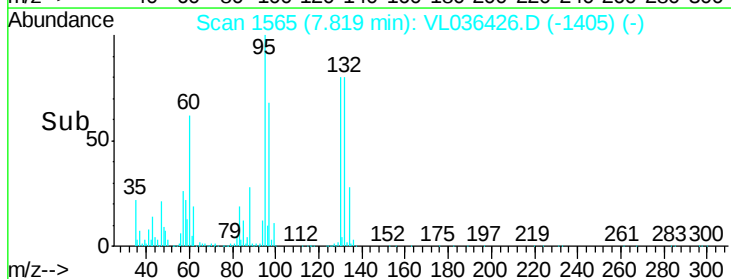
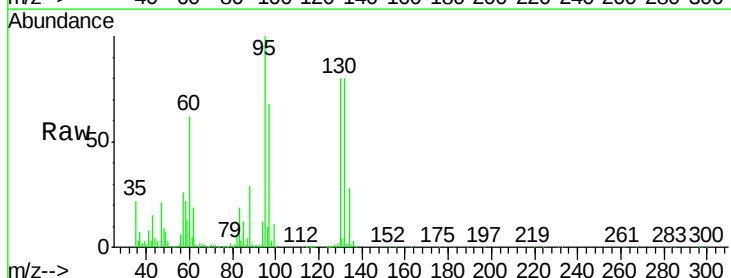
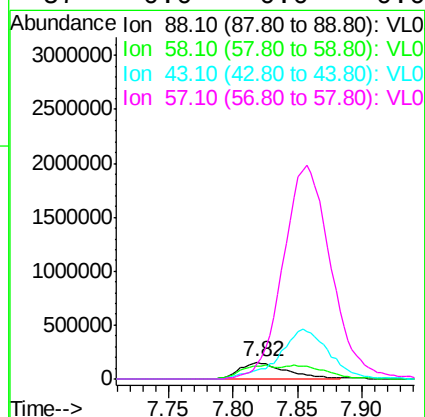
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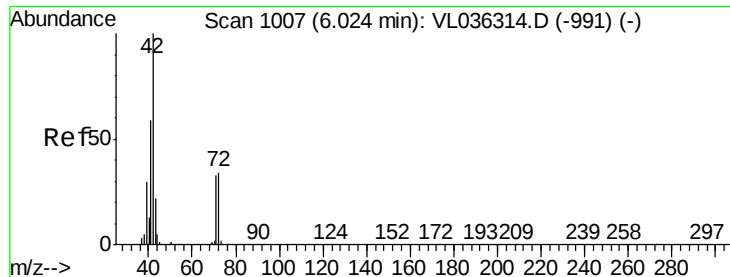
MMDadoda
 3/3/2021 1:52:24 PM



#40
 1,4-Dioxane
 Concen: 8.797 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.432 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

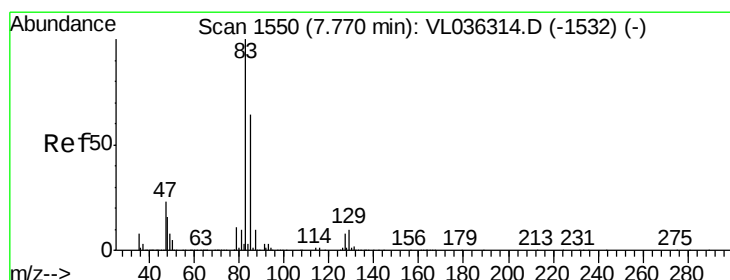
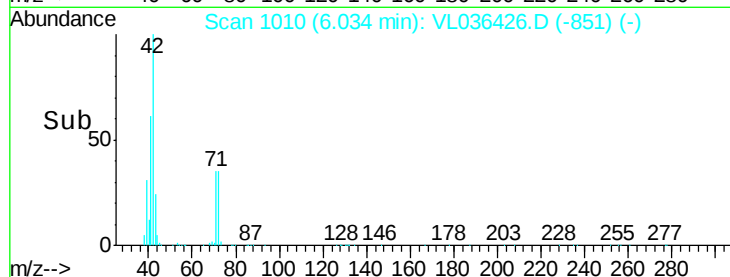
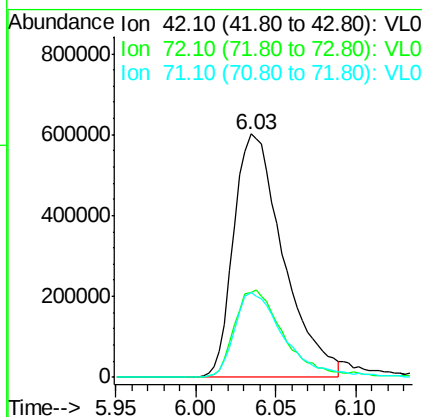
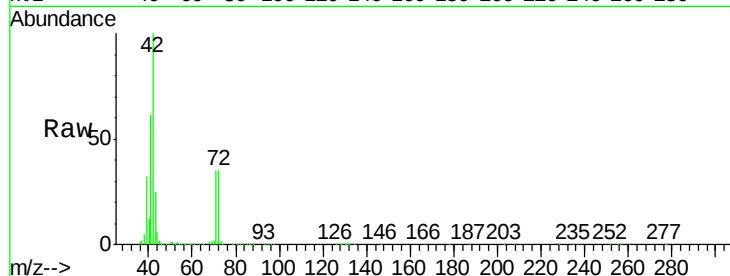
ClientSampleId :

VL0302ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.3	43.9
71	35.4	27.8	41.8

Manual Integrations
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MMDadoda
3/3/2021 1:52:24 PM



#42

Bromodichloromethane

Concen: 9.609 ppbv

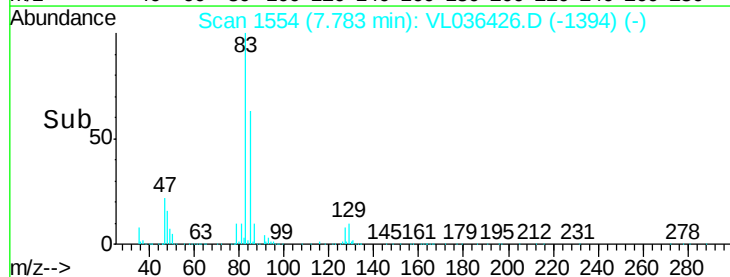
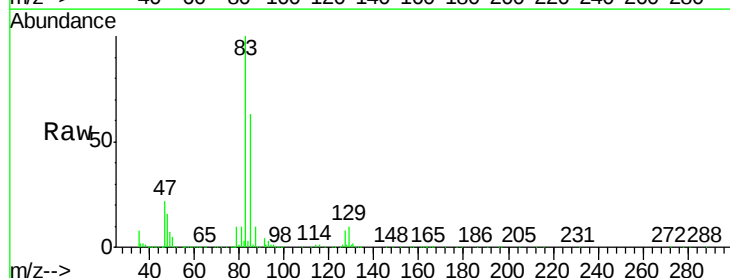
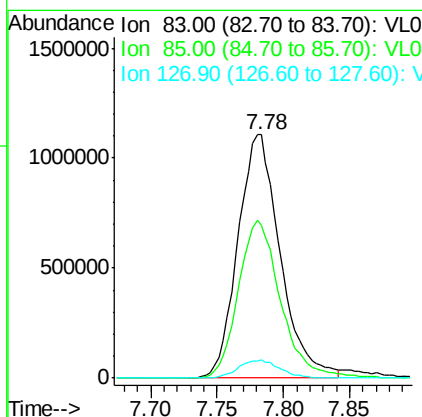
RT: 7.78 min Scan# 1554

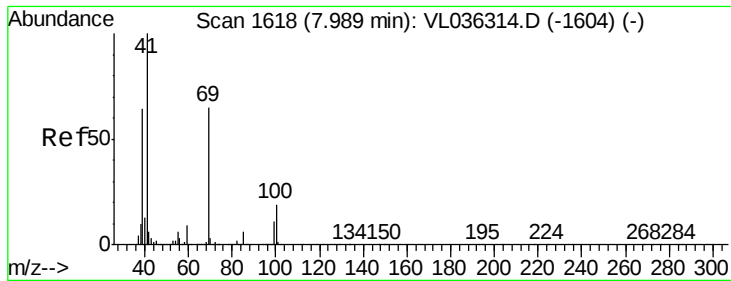
Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	7.6	6.3	9.5





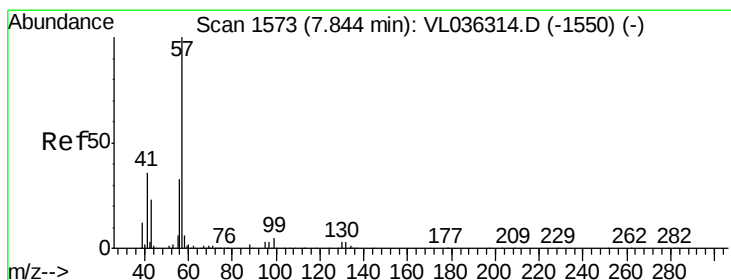
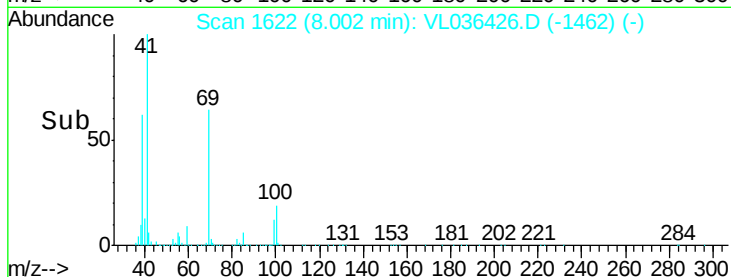
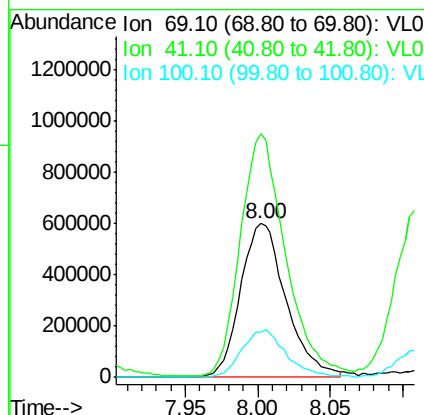
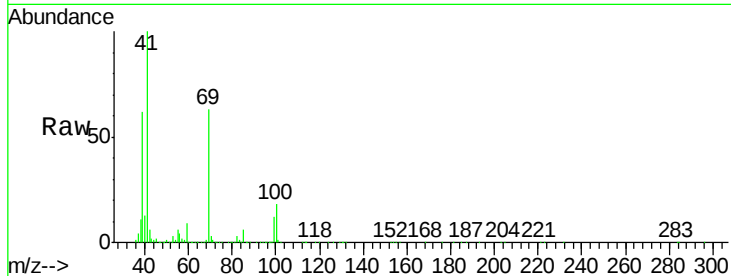
#43
Methvl Methacrylate
Concen: 10.041 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 69 Resp: 1309055
Ion Ratio Lower Upper
69 100
41 157.5 126.5 189.7
100 30.4 23.1 34.7

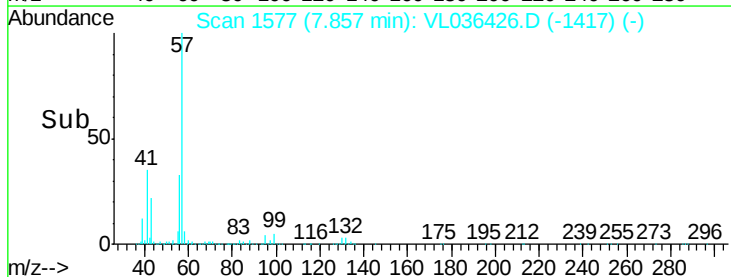
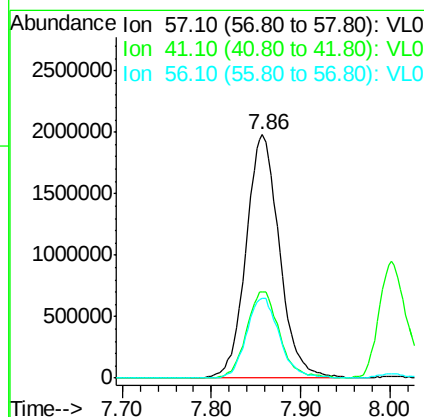
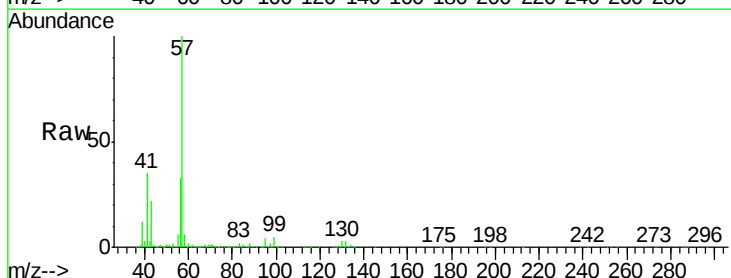
Manual Integrations
APPROVED

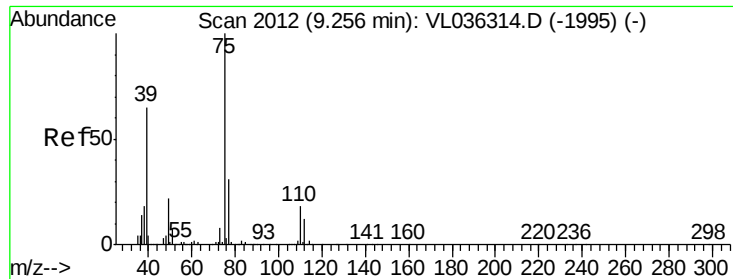
MMDadoda
3/3/2021 1:52:24 PM



#44
2,2,4-Trimethylpentane
Concen: 9.132 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 57 Resp: 5132738
Ion Ratio Lower Upper
57 100
41 34.9 28.8 43.2
56 32.5 25.8 38.6





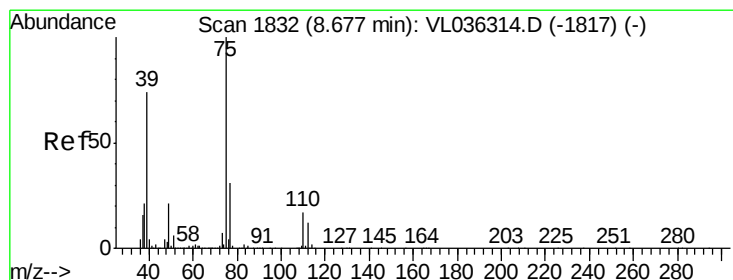
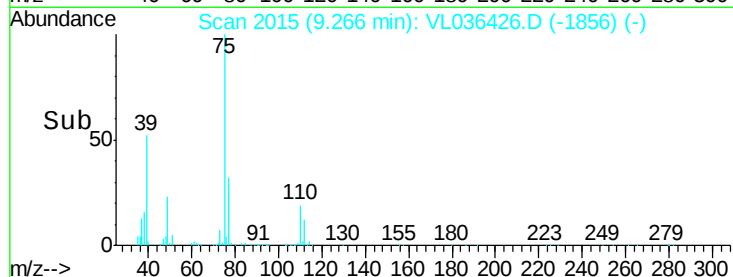
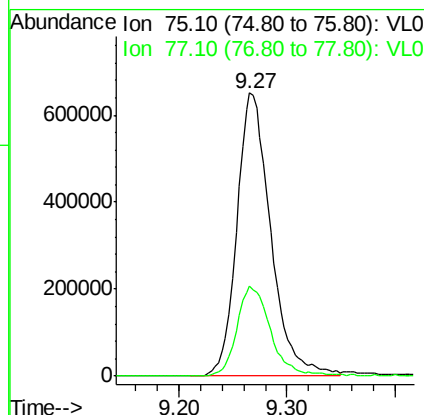
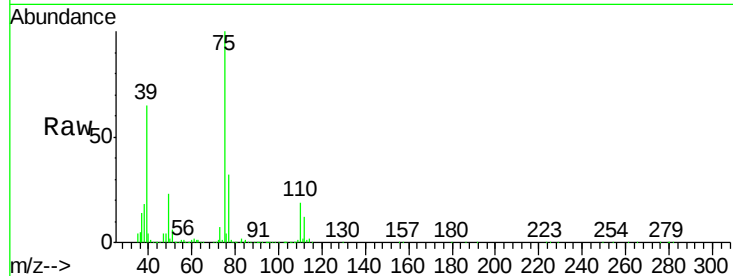
#45
t-1,3-Dichloropropene
Concen: 11.328 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 75 Resp: 1424598
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

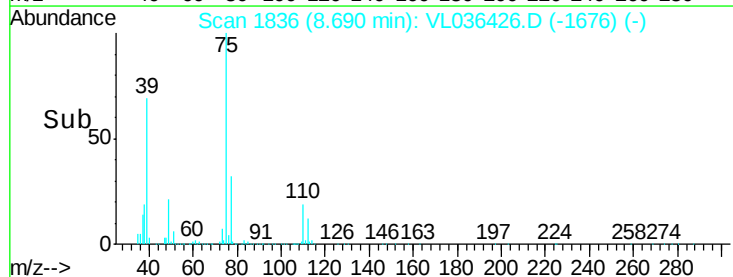
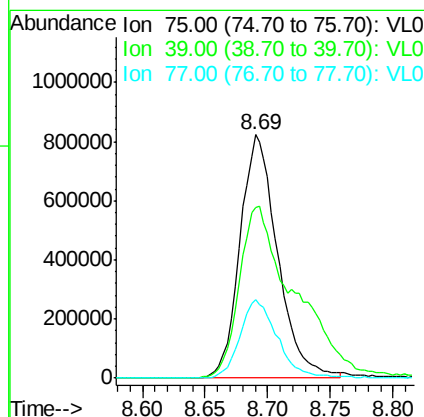
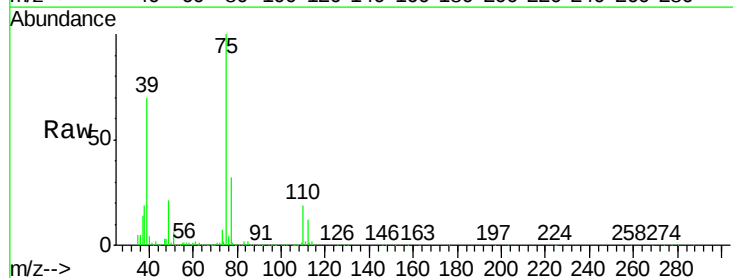
Manual Integrations
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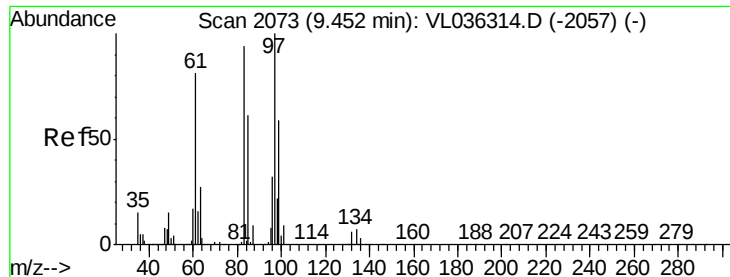
MMDadoda
3/3/2021 1:52:24 PM



#46
cis-1,3-Dichloropropene
Concen: 10.736 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 75 Resp: 1715039
Ion Ratio Lower Upper
75 100
39 69.8 59.2 88.8
77 32.4 25.0 37.6





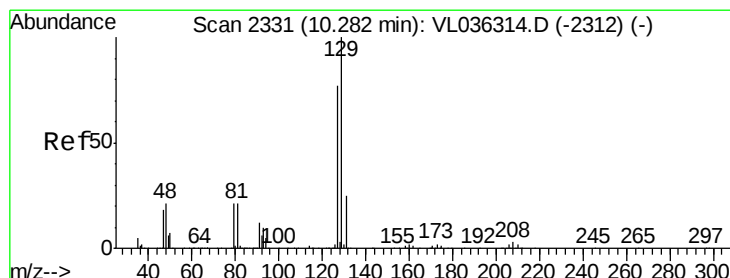
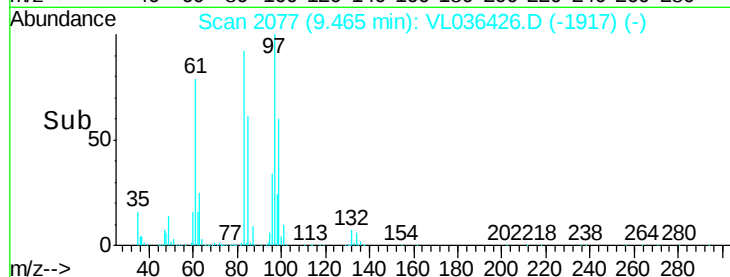
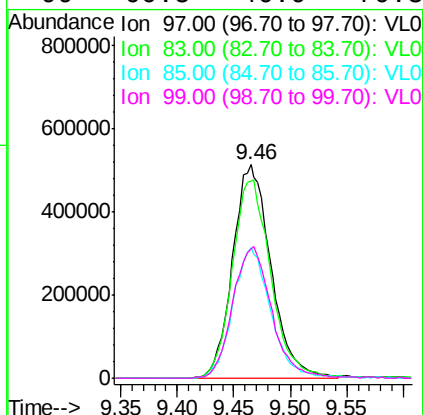
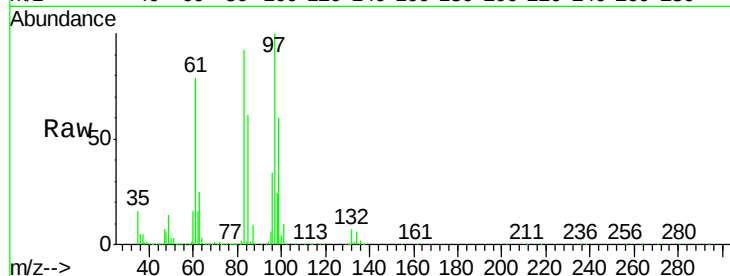
#47
 1,1,2-Trichloroethane
 Concen: 9.414 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.1	75.4	113.0	
85	61.1	48.9	73.3	
99	60.5	46.9	70.3	

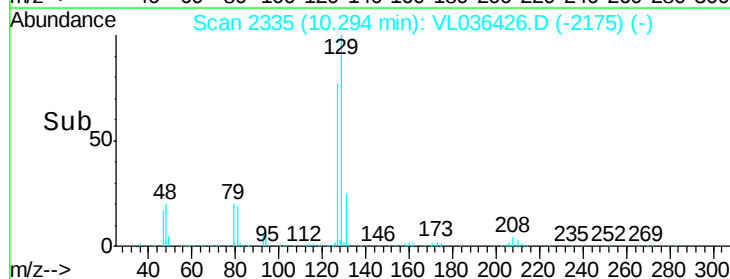
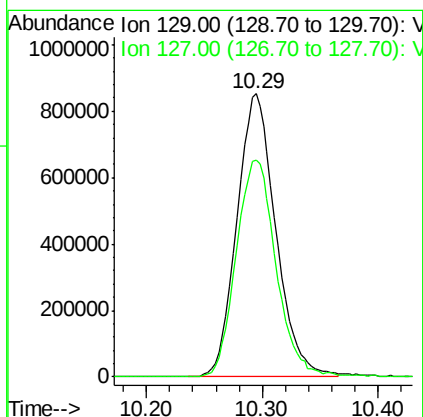
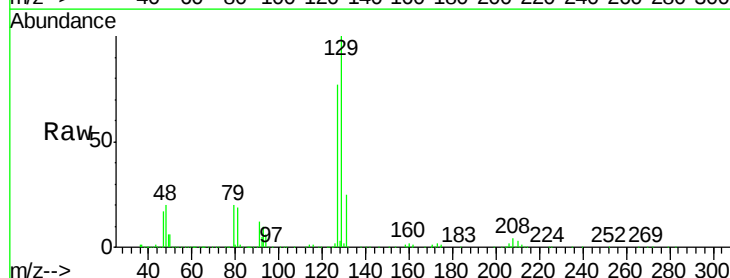
Manual Integrations
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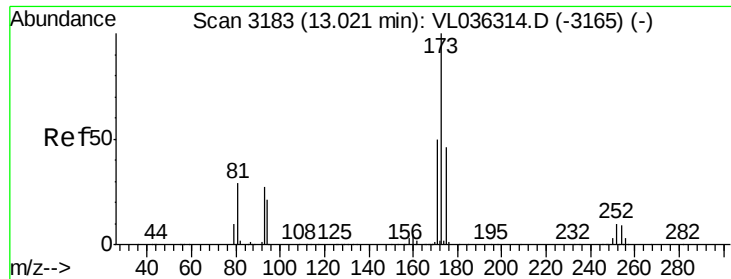
MMDadoda
 3/3/2021 1:52:24 PM



#48
 Dibromochloromethane
 Concen: 10.333 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.5	39.1	117.2	





#49

Bromoform

Concen: 10.838 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion:173 Resp: 1680129

Ion Ratio Lower Upper

173 100

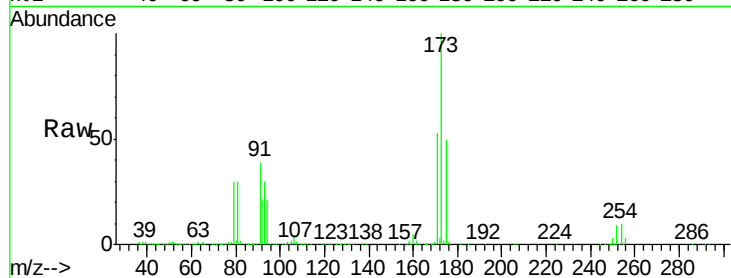
175 49.5 40.2 60.2

171 53.6 43.4 65.2

Manual Integrations
APPROVED

MMDadoda

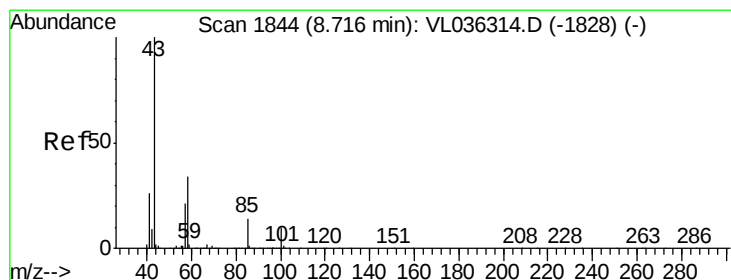
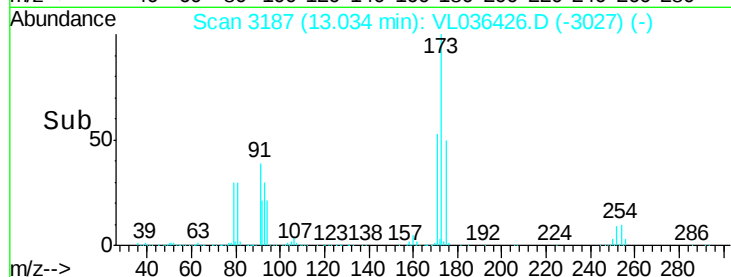
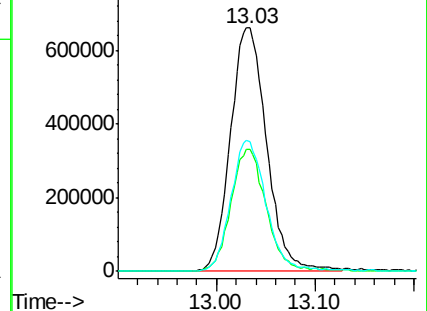
3/3/2021 1:52:24 PM



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: 9.704 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL036426.D

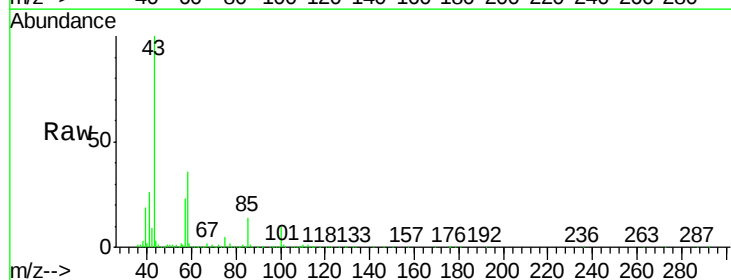
Acq: 2 Mar 2021 12:10

Tgt Ion: 43 Resp: 3482951

Ion Ratio Lower Upper

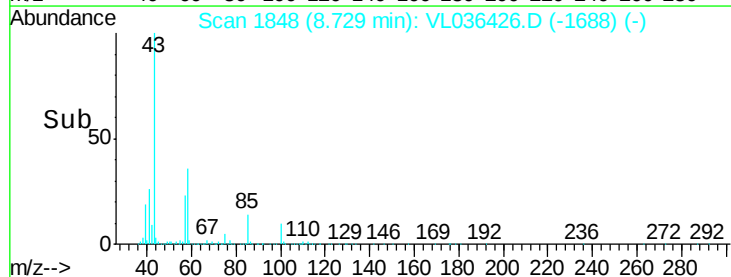
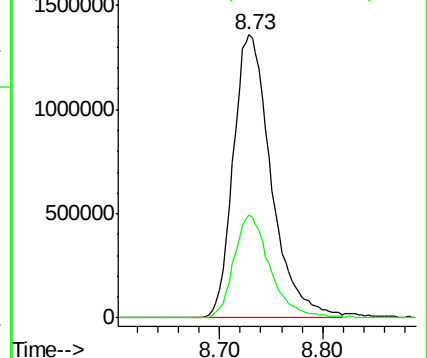
43 100

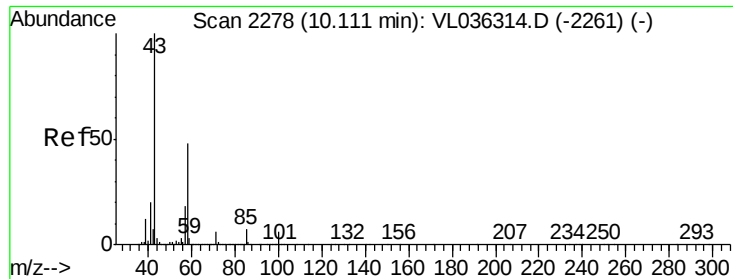
58 35.1 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





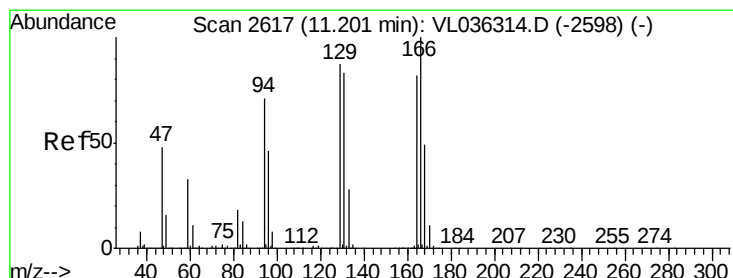
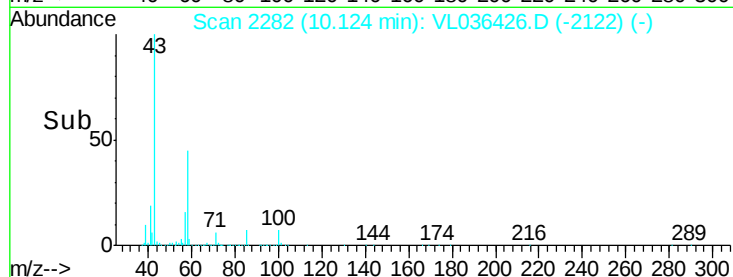
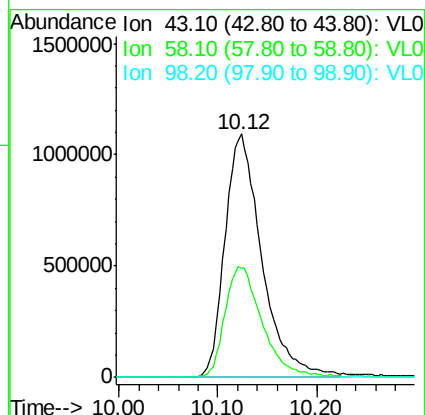
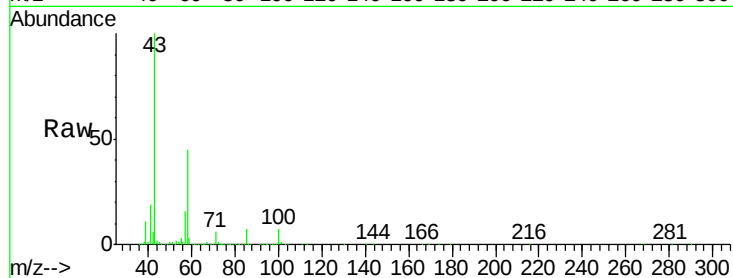
#51
2-Hexanone
Concen: 10.458 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 43 Resp: 2852346
Ion Ratio Lower Upper
43 100
58 46.7 38.7 58.1
98 0.5 0.4 0.6

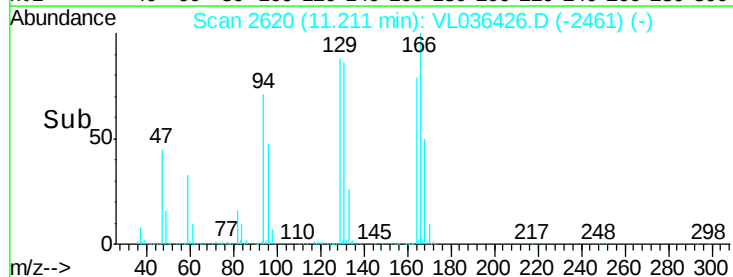
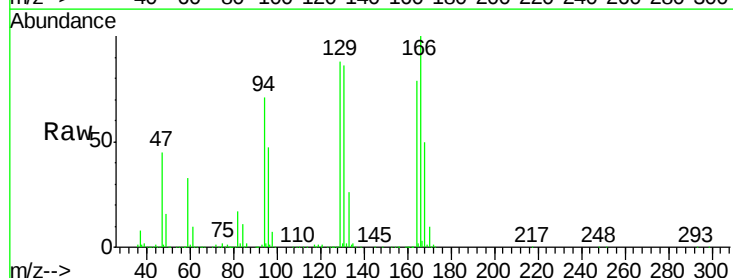
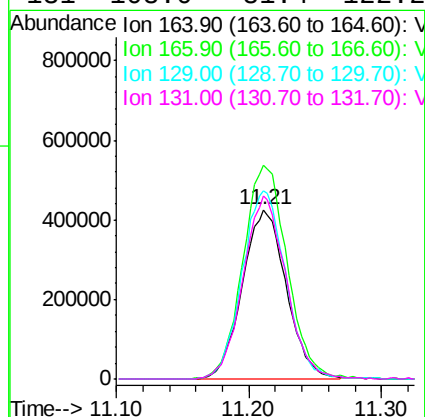
Manual Integrations
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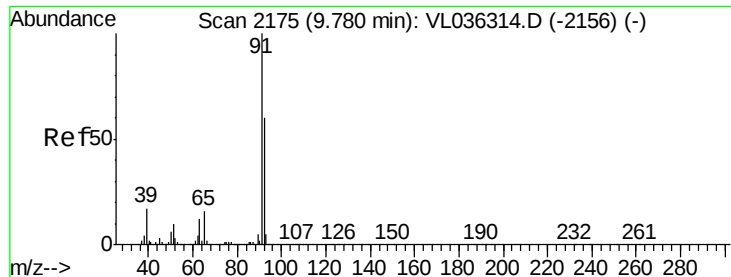
MMDadoda
3/3/2021 1:52:24 PM



#52
Tetrachloroethene
Concen: 8.657 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 164 Resp: 979632
Ion Ratio Lower Upper
164 100
166 126.0 97.8 146.8
129 110.8 84.9 127.3
131 108.0 81.4 122.2





#53

Toluene

Concen: 10.020 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.02 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 91 Resp: 3355108

Ion Ratio Lower Upper

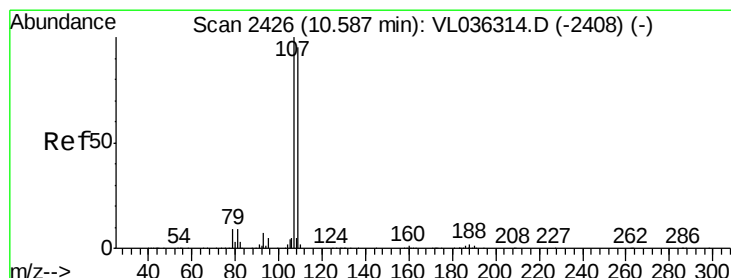
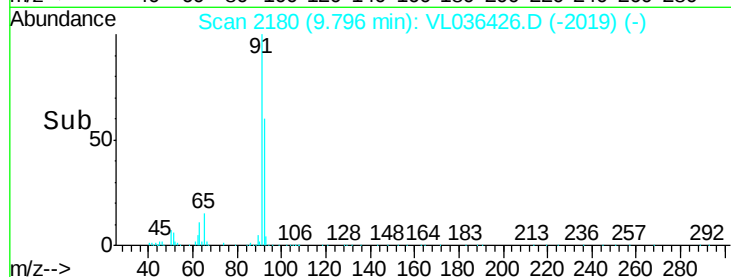
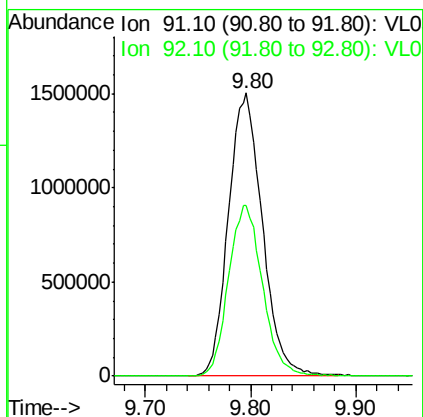
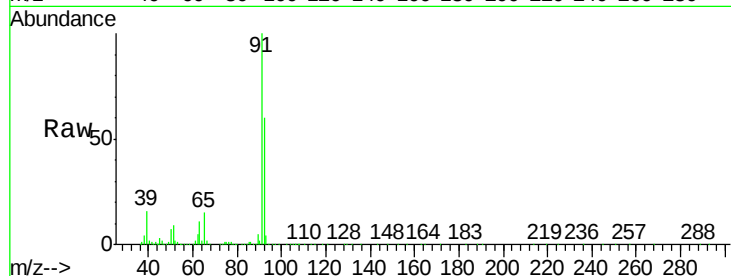
91 100

92 60.7 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.643 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.01 min

Lab File: VL036426.D

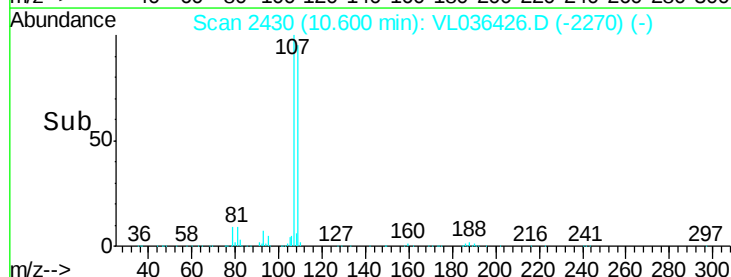
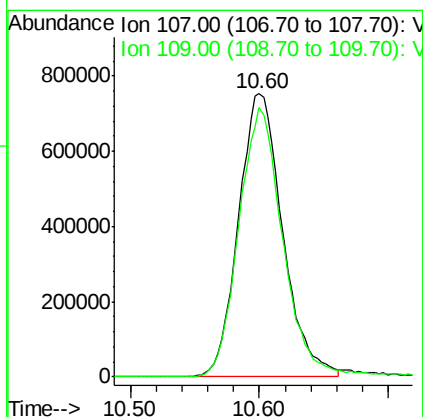
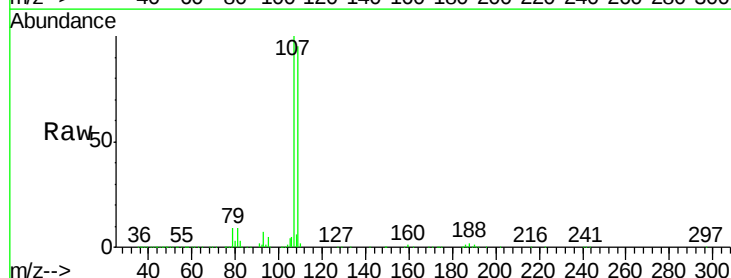
Acq: 2 Mar 2021 12:10

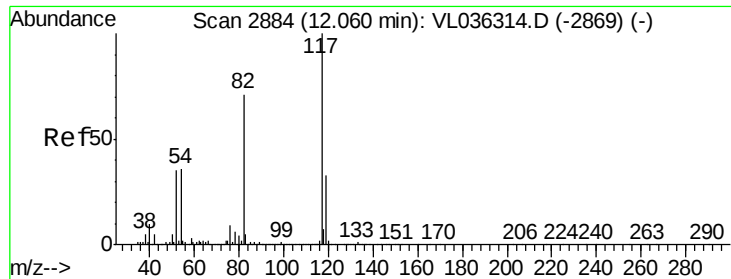
Tgt Ion: 107 Resp: 1790760

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0





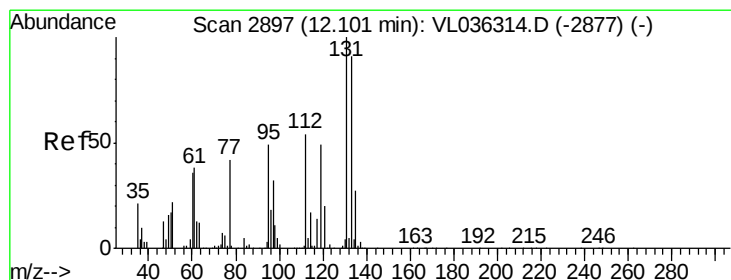
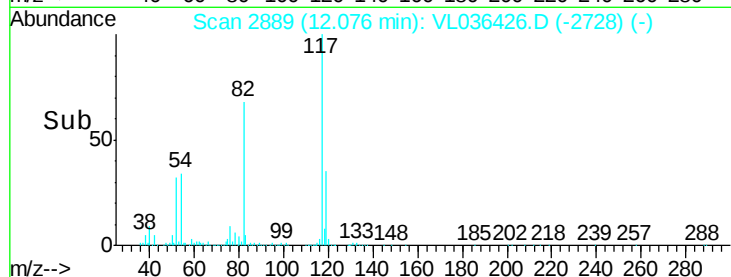
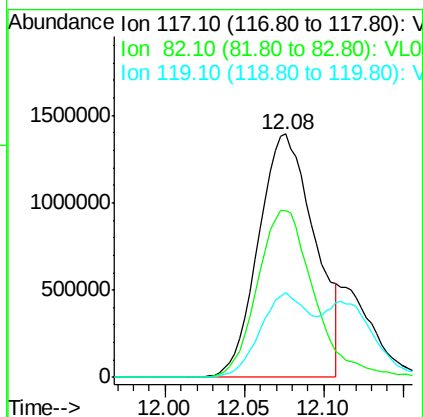
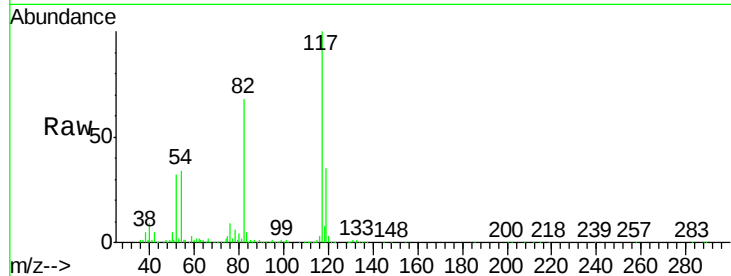
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	59.1	88.7
119	30.3	46.3	69.5#

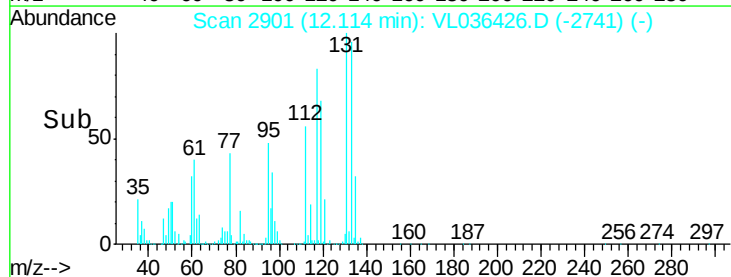
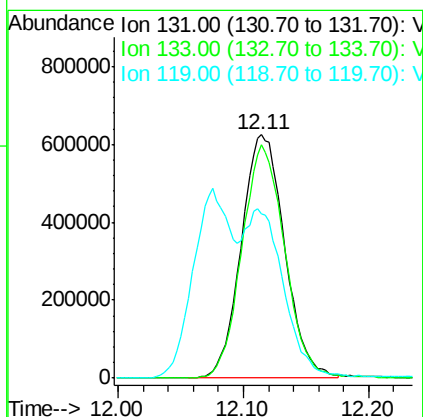
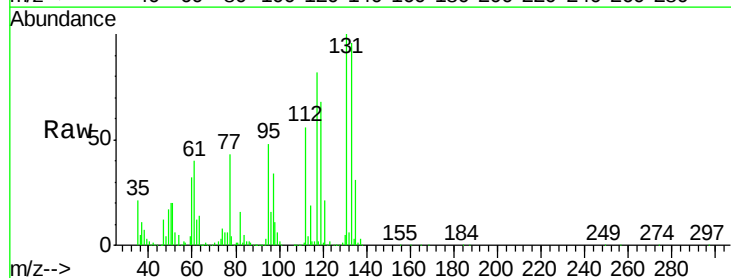
Manual Integrations
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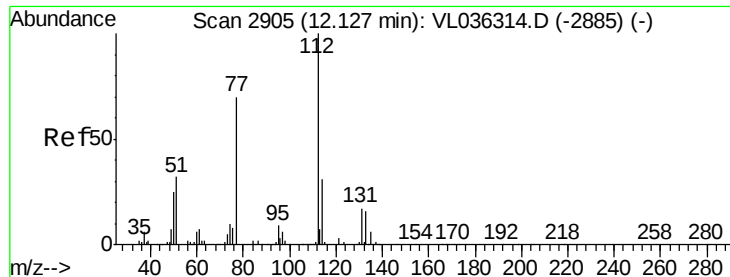
MMDadoda
3/3/2021 1:52:24 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.468 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.0	114.0
119	60.6	115.1	172.7#





#57

Chlorobenzene

Concen: 9.132 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 112 Resp: 2431176

Ion Ratio Lower Upper

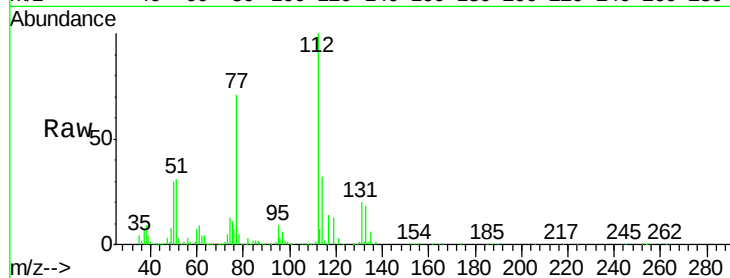
112 100

77 70.2 56.1 84.1

114 32.2 28.3 34.5

Manual Integrations
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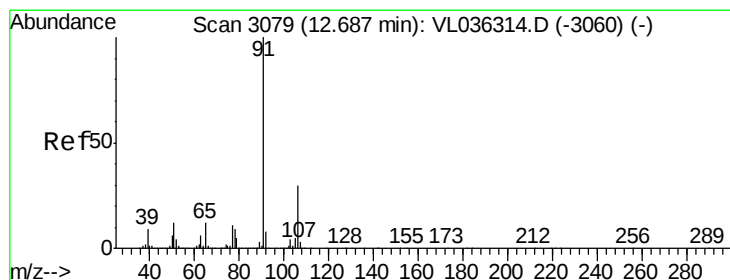
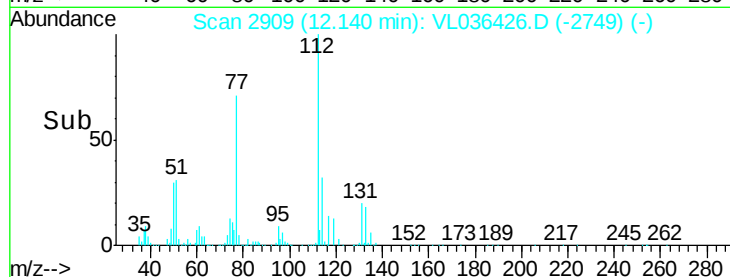
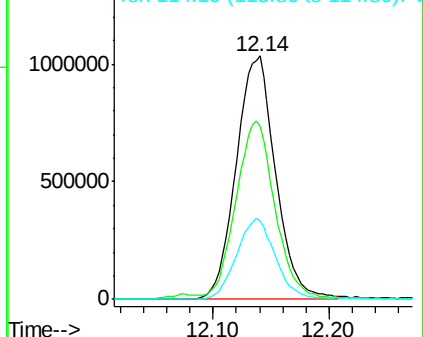
MMDadoda
3/3/2021 1:52:24 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.725 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VL036426.D

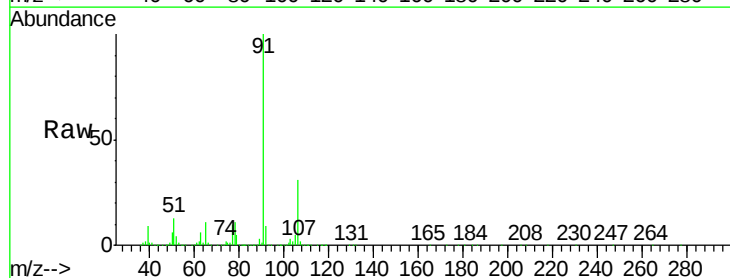
Acq: 2 Mar 2021 12:10

Tgt Ion: 91 Resp: 4588868

Ion Ratio Lower Upper

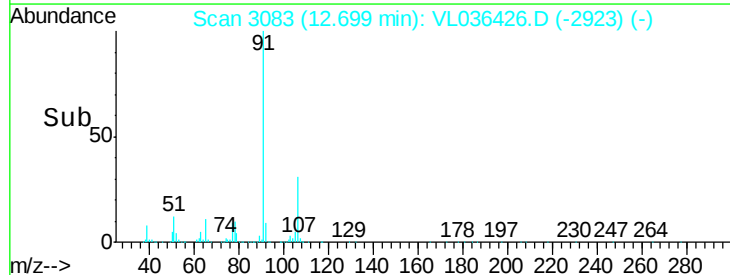
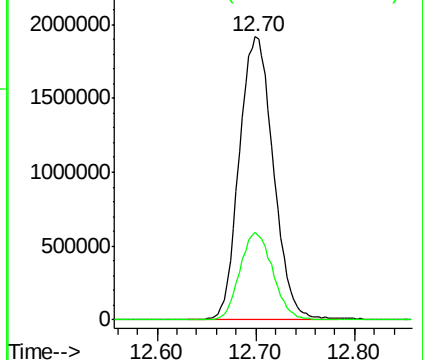
91 100

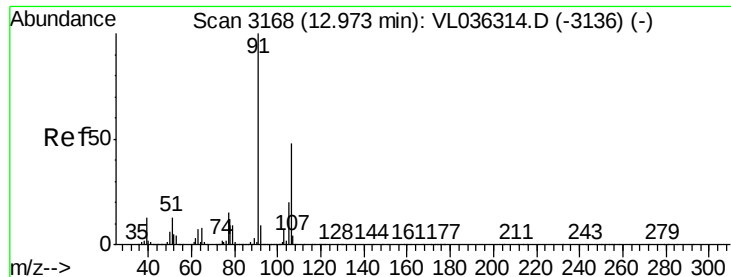
106 30.9 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





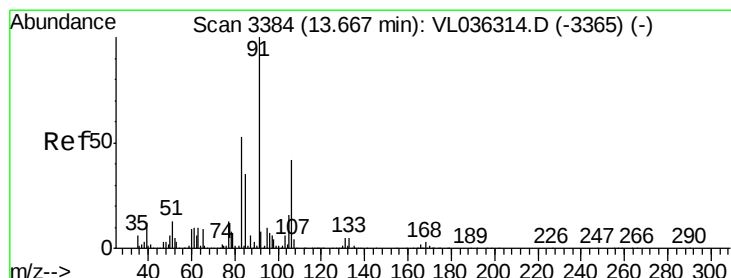
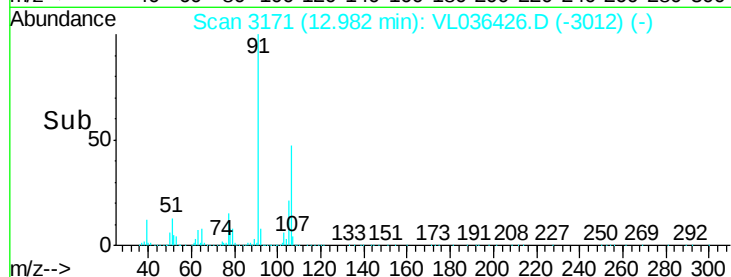
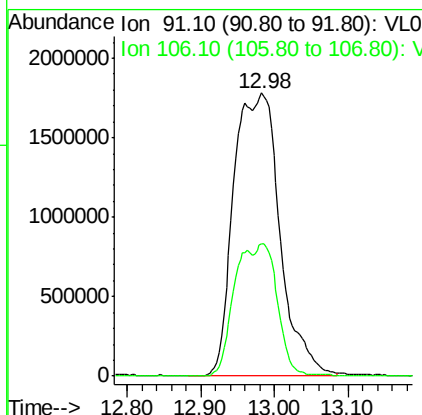
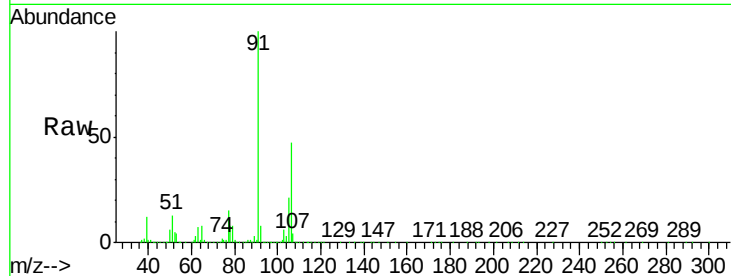
#59
m/p-Xylene
Concen: 18.709 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 91 Resp: 7754144
Ion Ratio Lower Upper
91 100
106 43.3 34.2 51.2

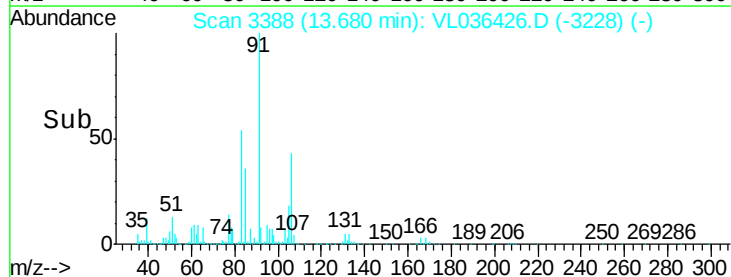
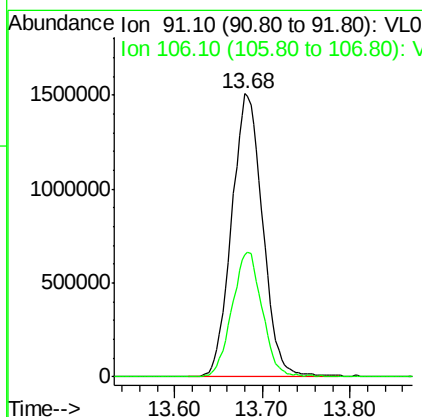
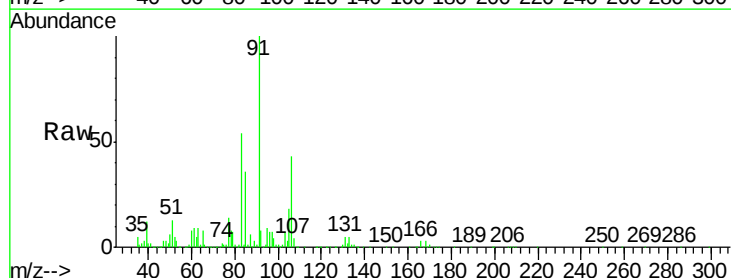
Manual Integrations
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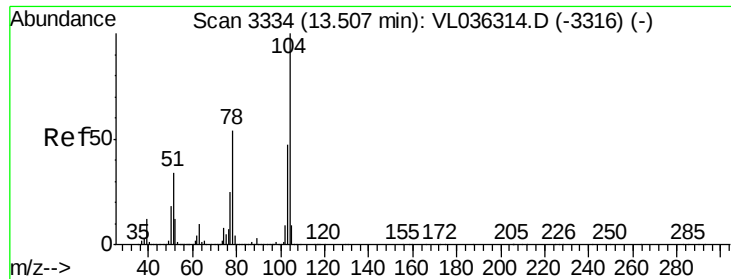
MMDadoda
3/3/2021 1:52:24 PM



#60
o-Xylene
Concen: 9.347 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 91 Resp: 3703962
Ion Ratio Lower Upper
91 100
106 43.3 22.0 66.0





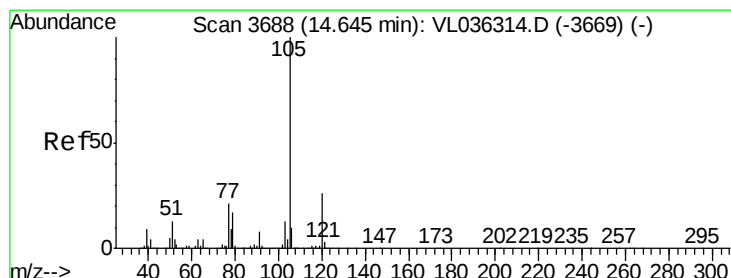
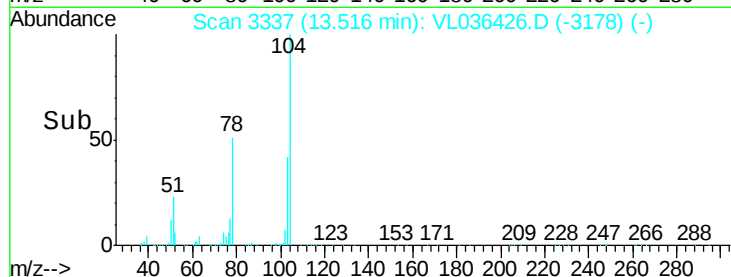
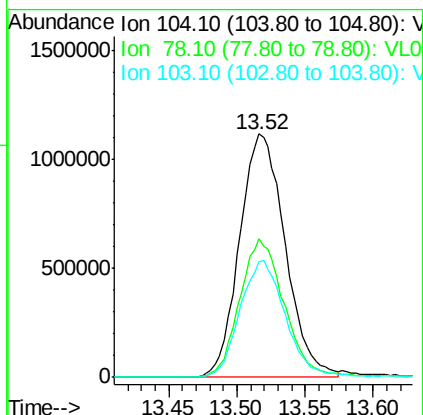
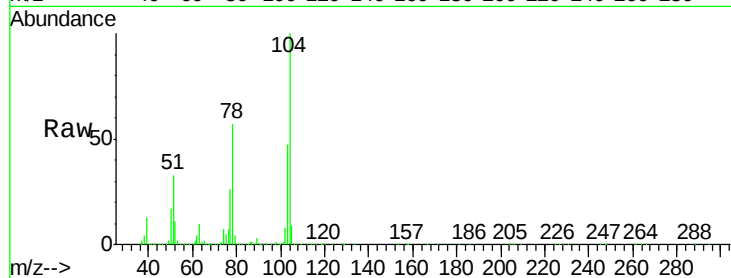
#61
Stvrene
Concen: 10.531 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.2	46.2	69.2
103	48.2	38.3	57.5

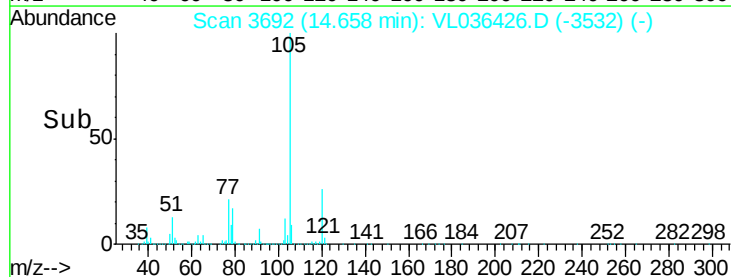
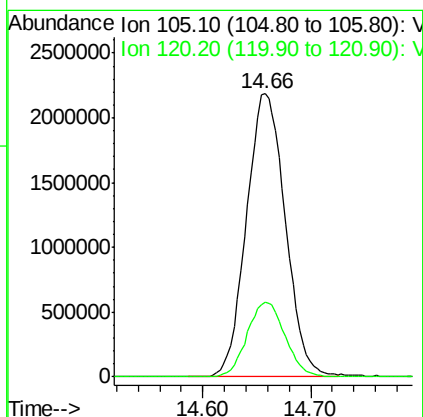
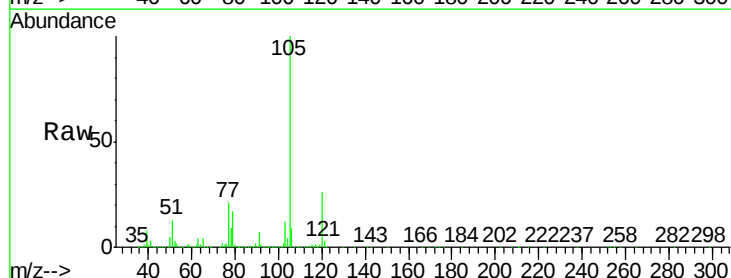
Manual Integrations
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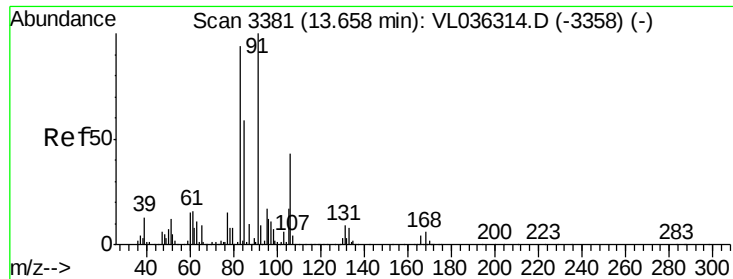
MMDadoda
3/3/2021 1:52:24 PM



#62
Isopropylbenzene
Concen: 9.202 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.477 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 83 Resp: 2650429

Ion Ratio Lower Upper

83 100

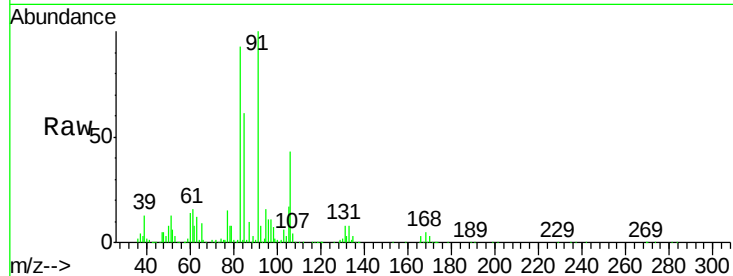
131 9.0 4.7 14.0

85 66.4 33.0 98.9

Manual Integrations
APPROVED

MMDadoda

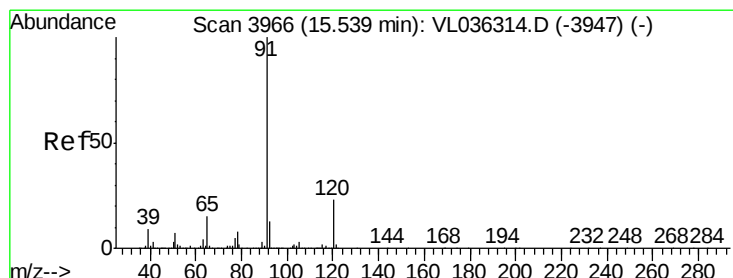
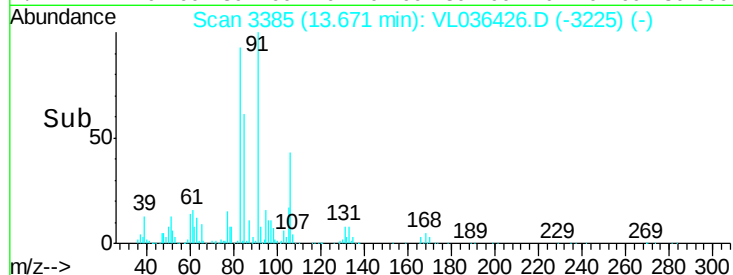
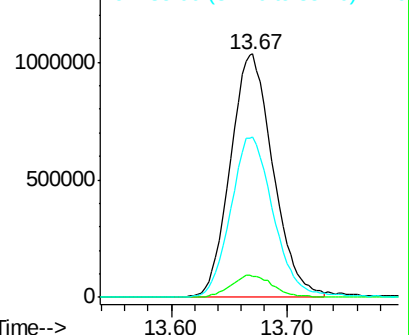
3/3/2021 1:52:24 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.786 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.01 min

Lab File: VL036426.D

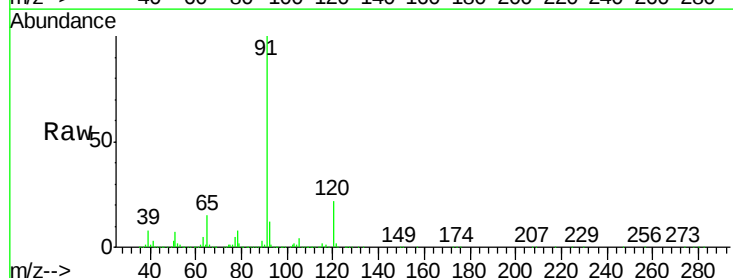
Acq: 2 Mar 2021 12:10

Tgt Ion: 120 Resp: 1430539

Ion Ratio Lower Upper

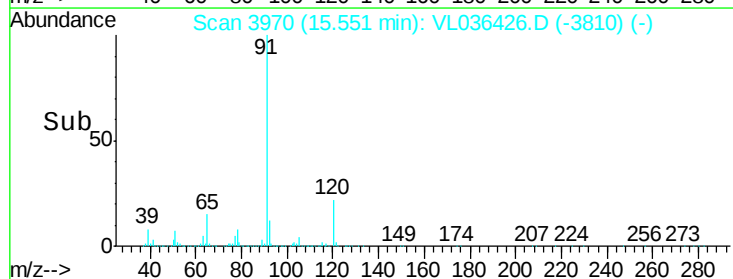
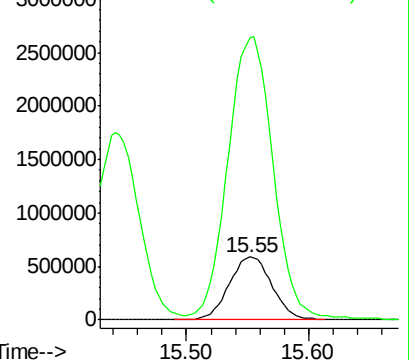
120 100

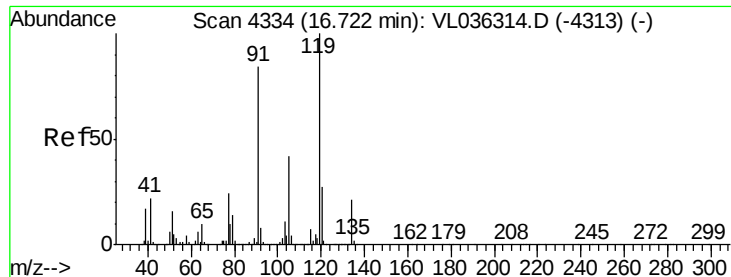
91 475.8 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





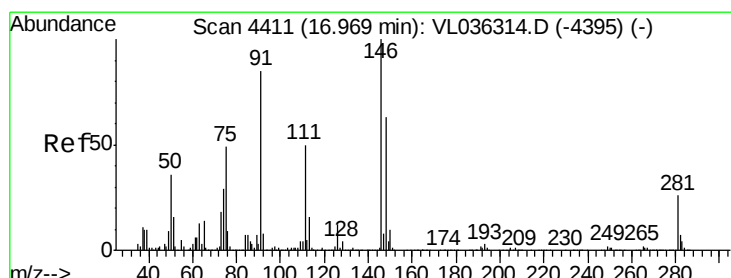
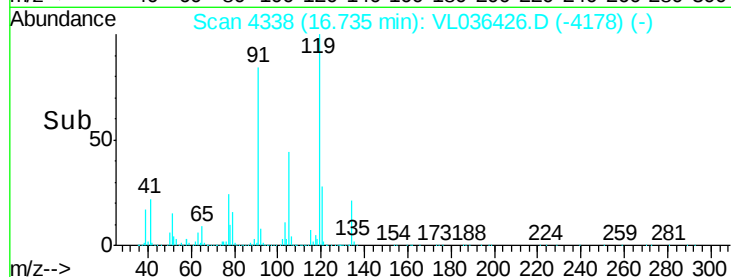
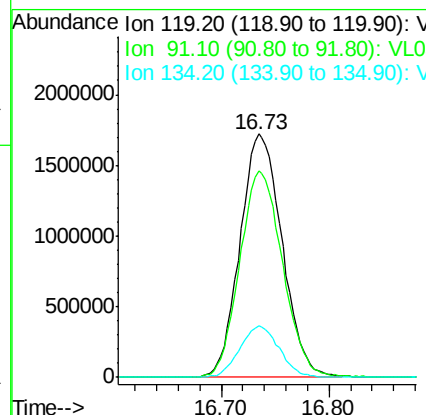
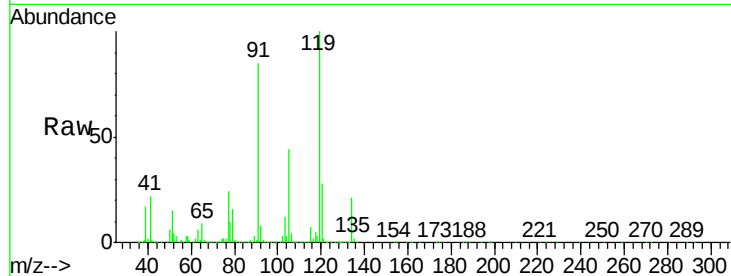
#65
tert-Butylbenzene
Concen: 9.154 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 119 Resp: 4652024
Ion Ratio Lower Upper
119 100
91 86.7 70.5 105.7
134 20.0 15.8 23.8

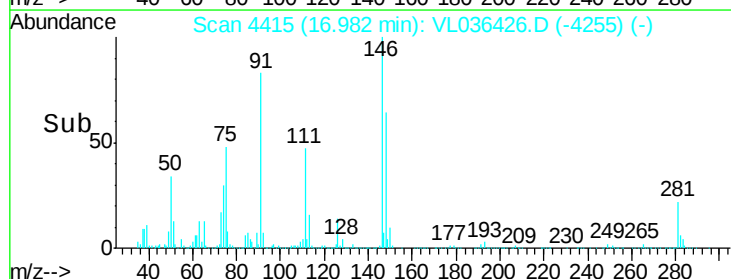
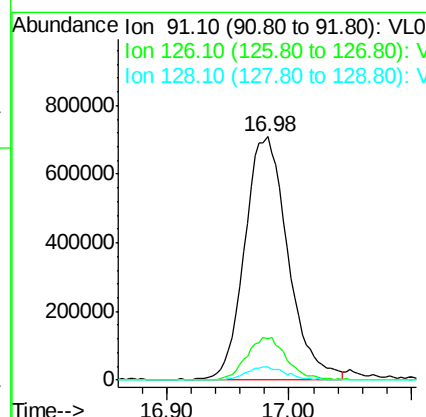
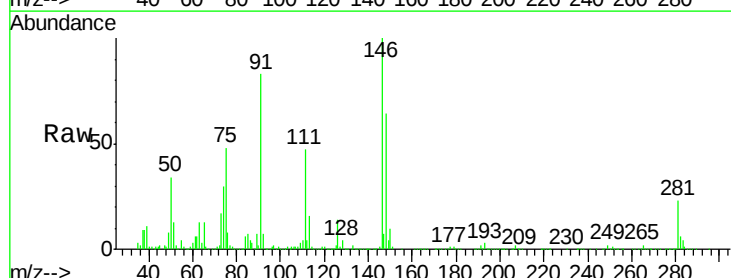
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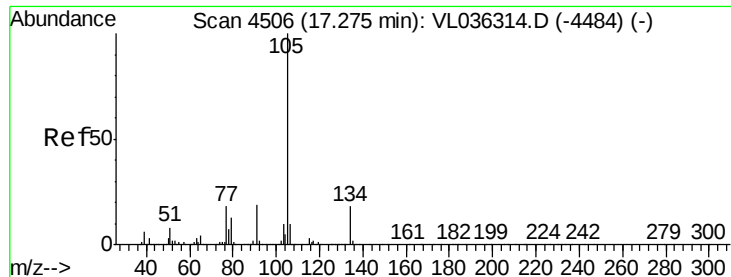
MMDadoda
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#66
Benzyl Chloride
Concen: 12.499 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 91 Resp: 1726945
Ion Ratio Lower Upper
91 100
126 16.7 12.9 19.3
128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 9.078 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion: 105 Resp: 6653857

Ion Ratio Lower Upper

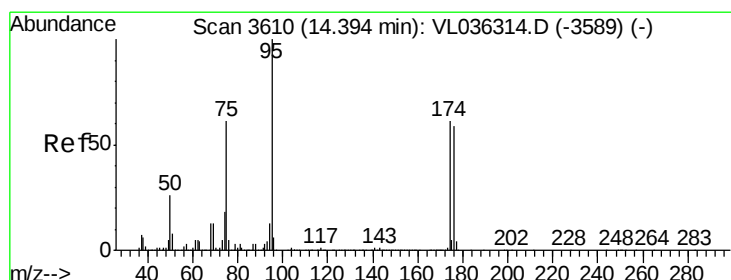
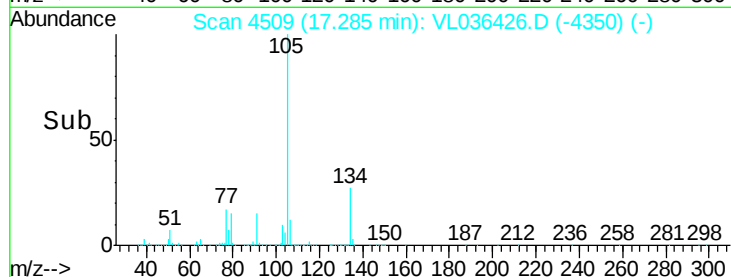
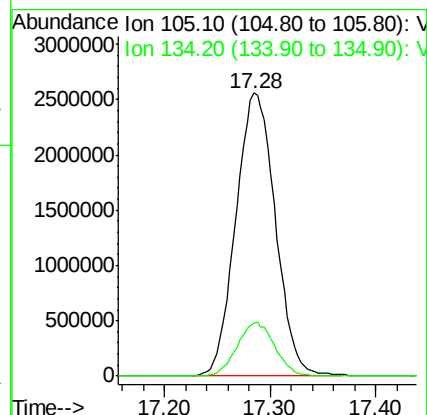
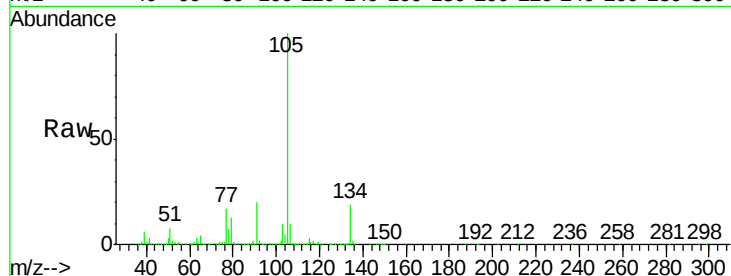
105 100

134 18.3 14.2 21.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.821 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

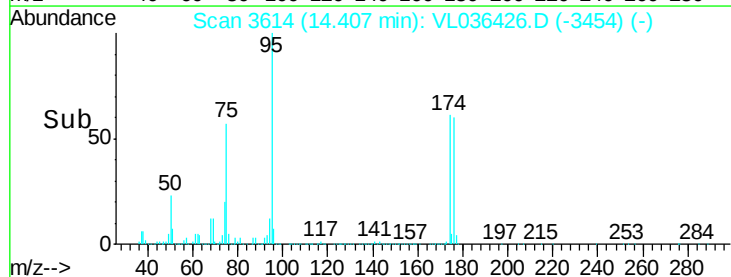
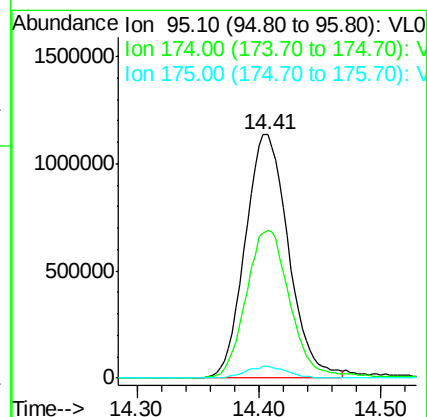
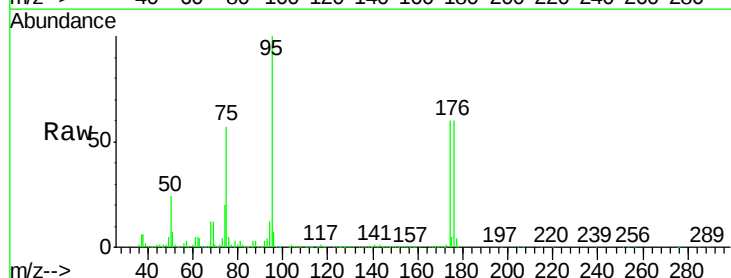
Tgt Ion: 95 Resp: 2784514

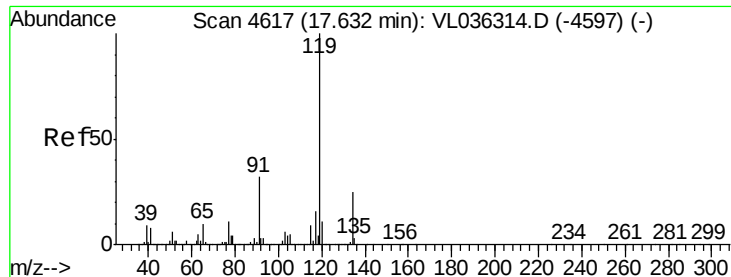
Ion Ratio Lower Upper

95 100

174 62.9 49.8 74.6

175 4.6 3.7 5.5





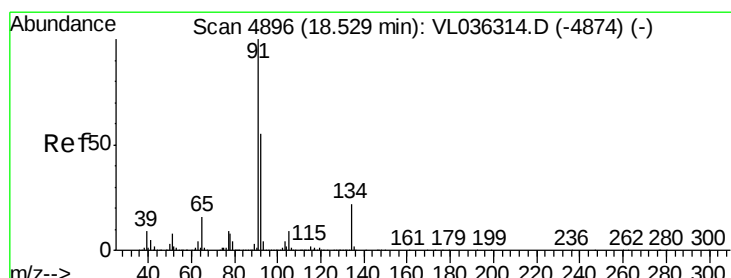
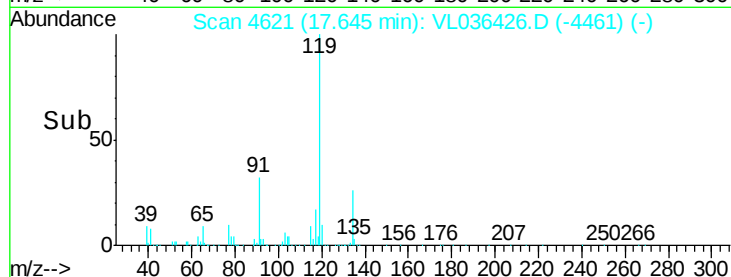
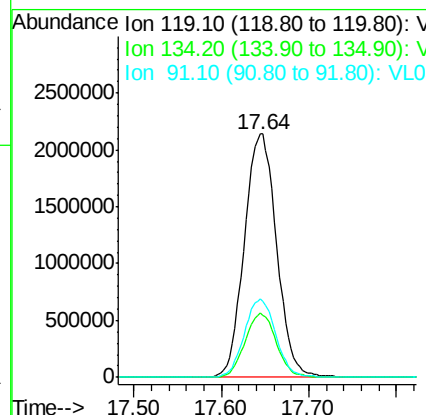
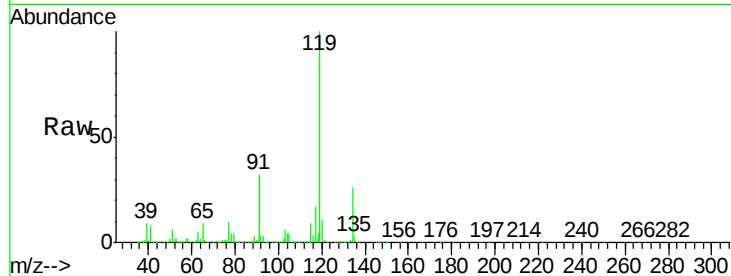
#69
 p-Isopropyltoluene
 Concen: 9.673 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	31.4	25.8	38.6

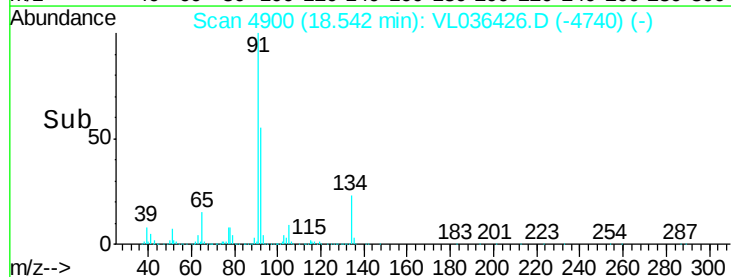
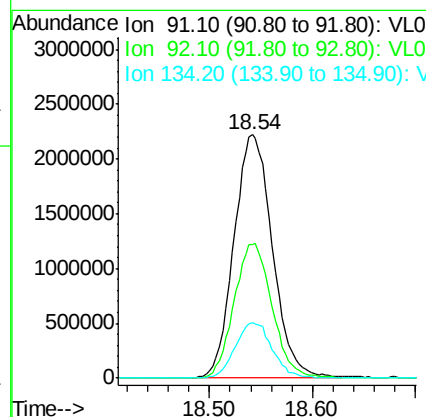
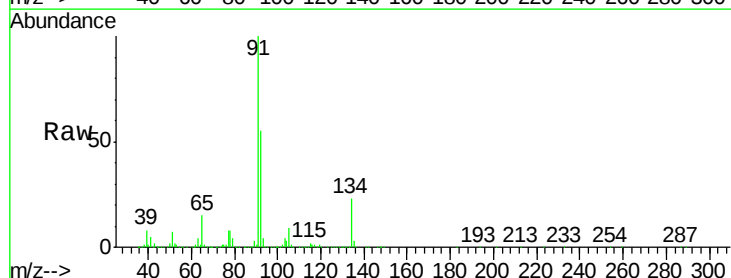
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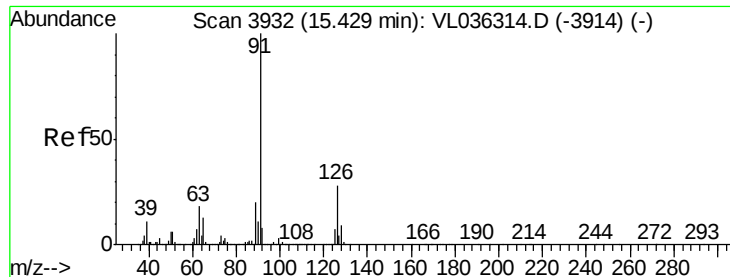
MMDadoda
 3/3/2021 1:52:24 PM



#70
 n-Butylbenzene
 Concen: 9.476 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.7	65.5
134	22.3	17.4	26.0





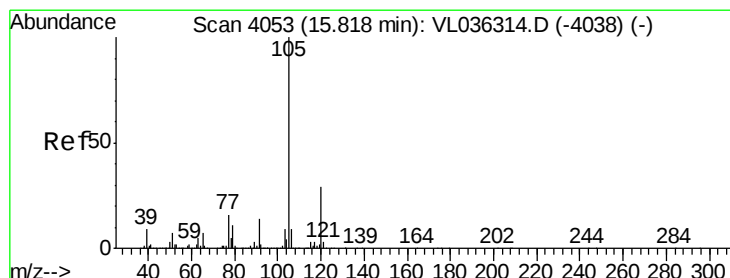
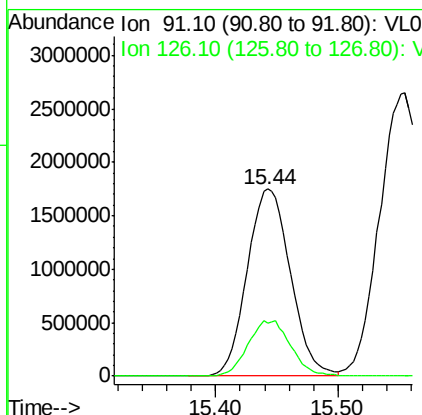
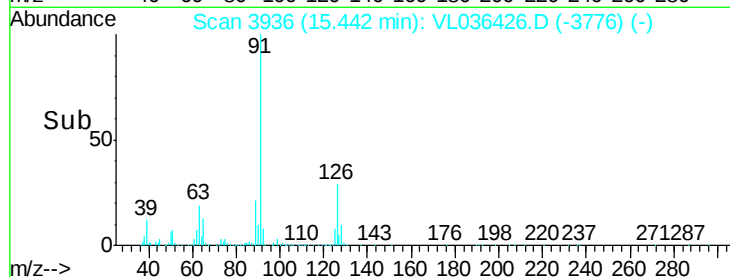
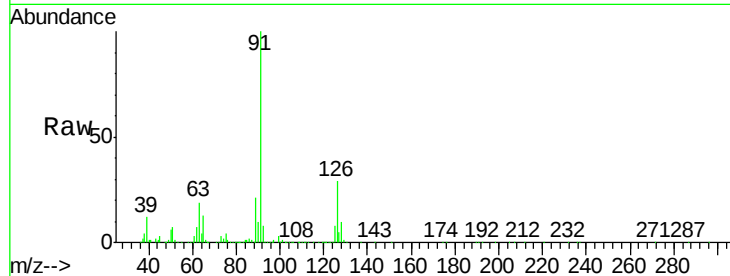
#71
2-Chlorotoluene
Concen: 9.440 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0302ABS01

Tot Ion: 91 Resp: 4298165
Ion Ratio Lower Upper
91 100
126 29.7 11.5 46.1

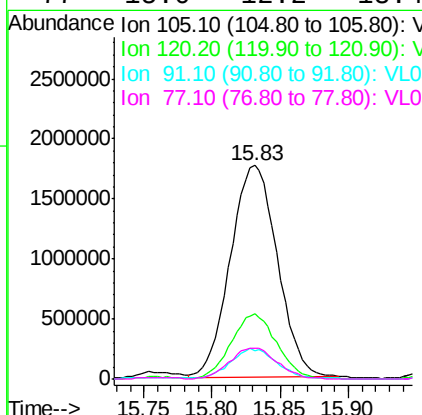
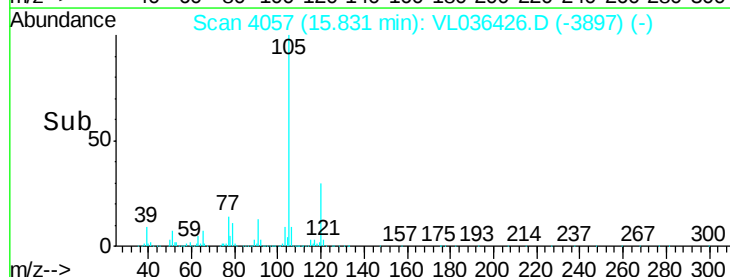
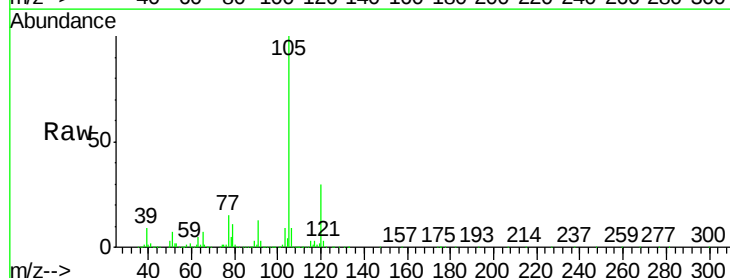
Manual Integrations
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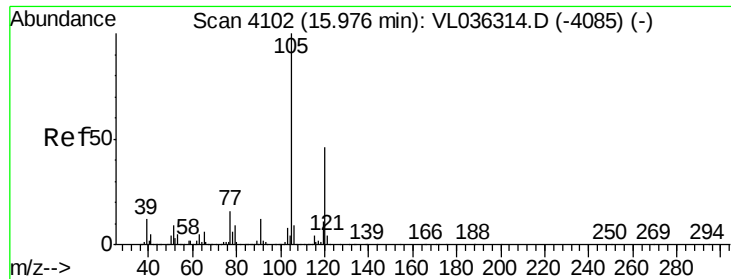
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.628 ppbv
RT: 15.83 min Scan# 4057
Delta R.T. 0.01 min
Lab File: VL036426.D
Acq: 2 Mar 2021 12:10

Tgt Ion: 105 Resp: 4246124
Ion Ratio Lower Upper
105 100
120 29.9 23.2 34.8
91 14.0 11.0 16.4
77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.406 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion:105 Resp: 4021159

Ion Ratio Lower Upper

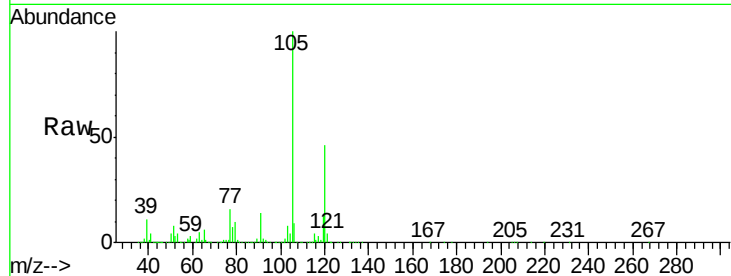
105 100

120 45.7 36.9 55.3

Manual Integrations
APPROVED

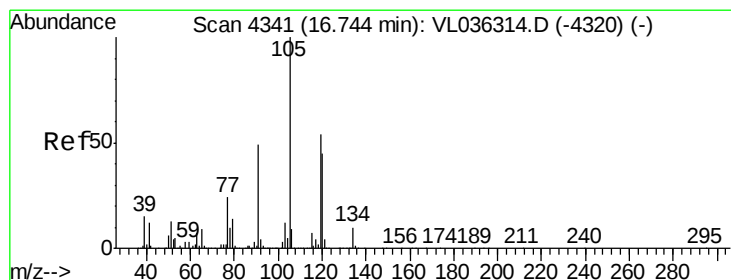
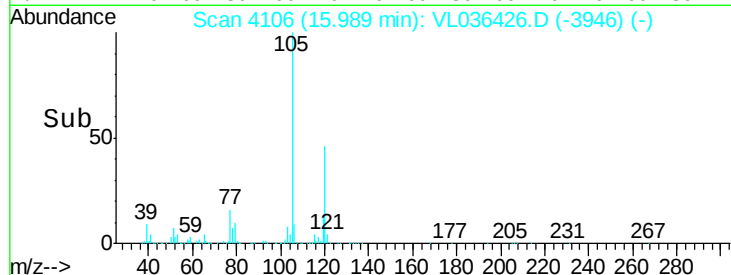
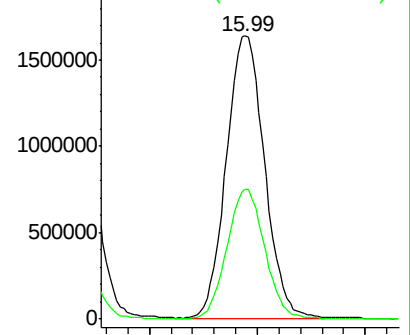
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.307 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Tgt Ion:105 Resp: 4061980

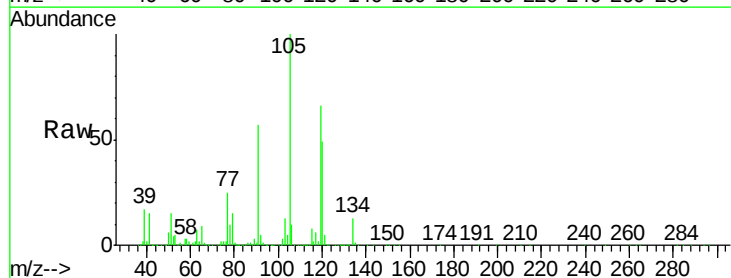
Ion Ratio Lower Upper

105 100

120 48.9 35.8 53.6

91 56.5 39.8 59.6

77 24.3 19.1 28.7

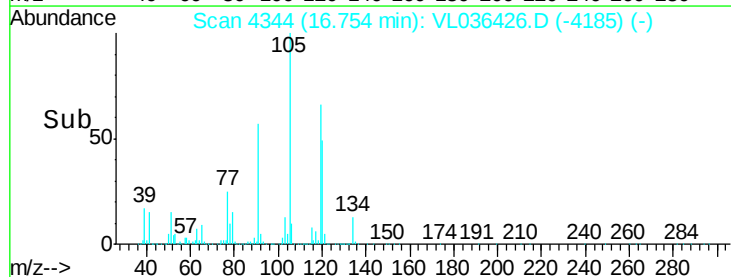
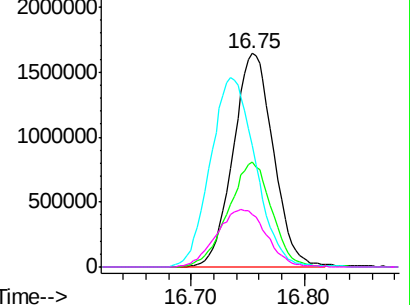


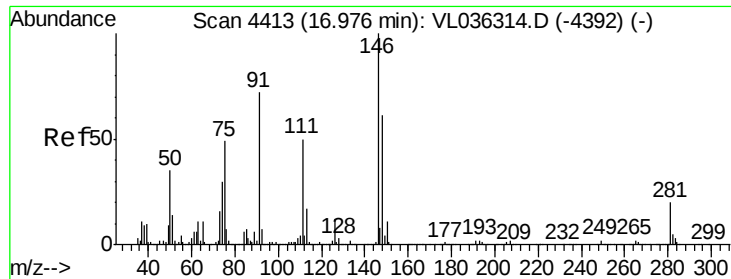
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





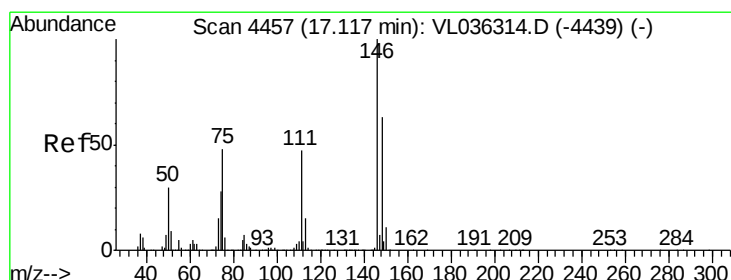
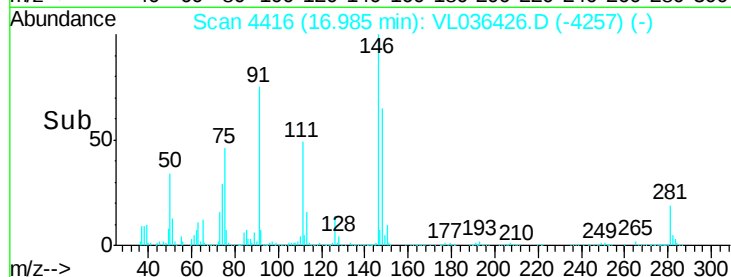
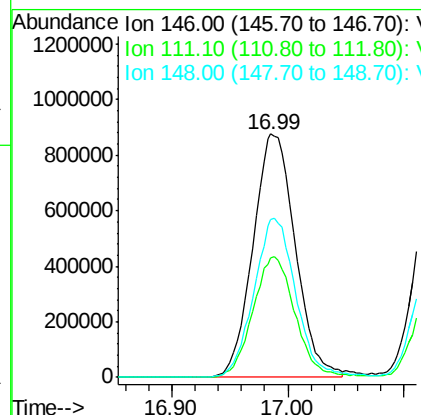
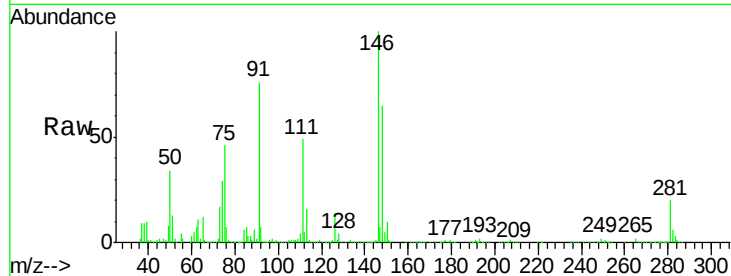
#75
 1,3-Dichlorobenzene
 Concen: 9.391 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion:146 Resp: 2224542
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.9 74.6
 148 64.9 31.9 95.9

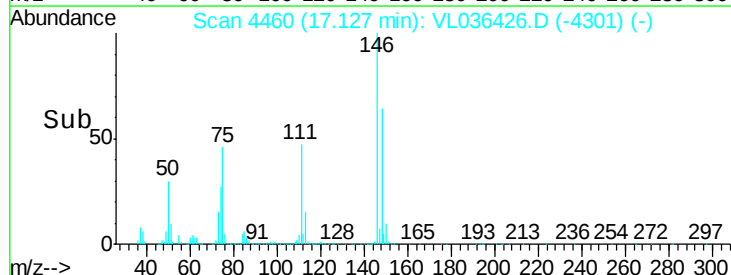
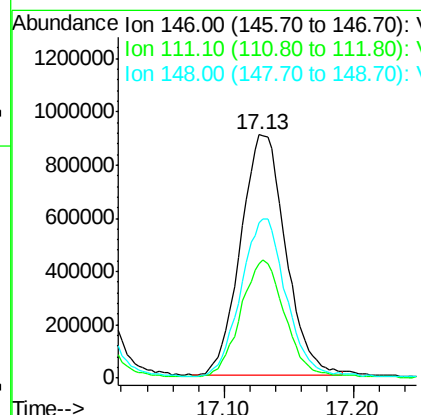
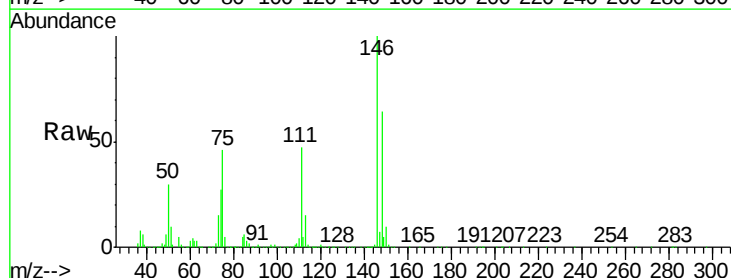
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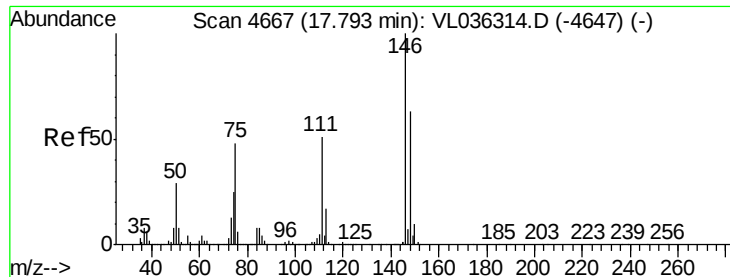
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#76
 1,4-Dichlorobenzene
 Concen: 8.897 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion:146 Resp: 2188638
 Ion Ratio Lower Upper
 146 100
 111 49.5 23.6 71.0
 148 67.8 31.6 95.0





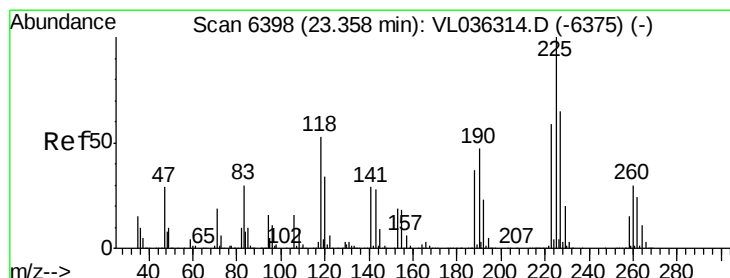
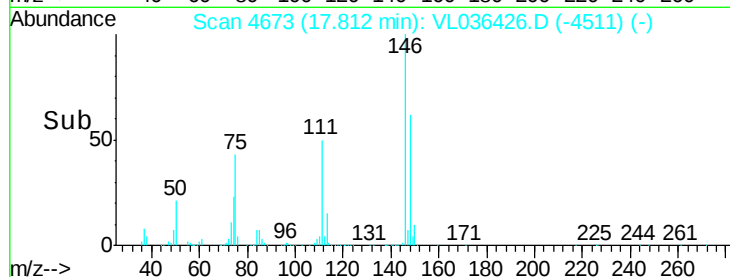
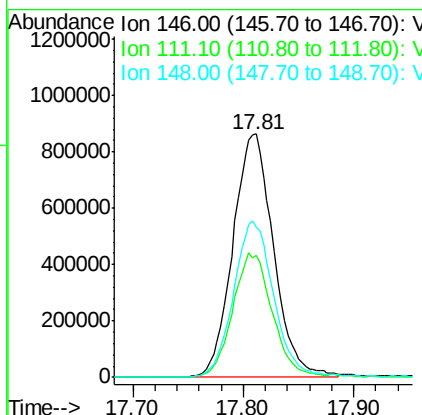
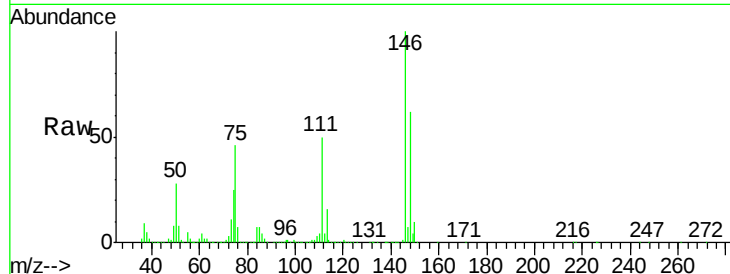
#77
 1,2-Dichlorobenzene
 Concen: 9.302 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.02 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.9	77.8
148	63.8	32.5	97.4

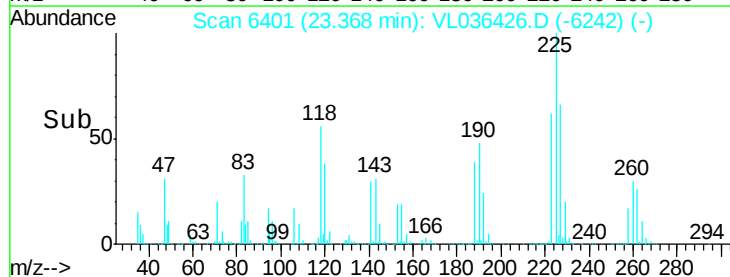
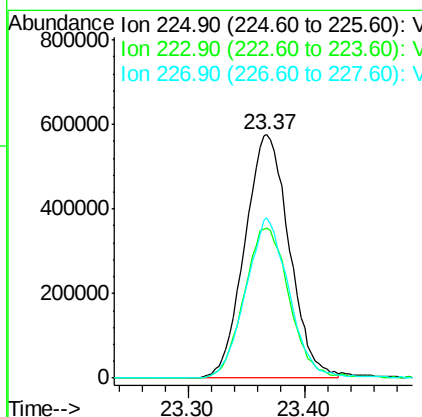
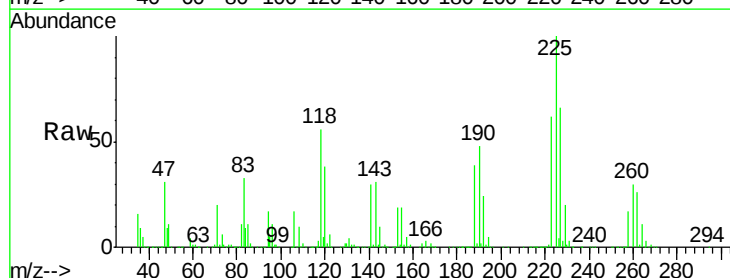
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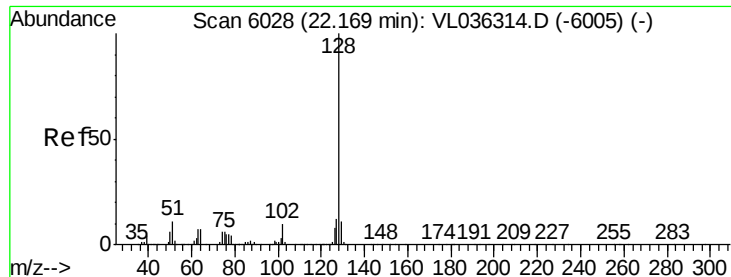
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.981 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	64.0	52.2	78.2





#79

Naphthalene

Concen: 11.517 ppbv m

RT: 22.19 min Scan# 6035

Delta R.T. 0.02 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABS01

Tot Ion:128 Resp: 2979493

Ion Ratio Lower Upper

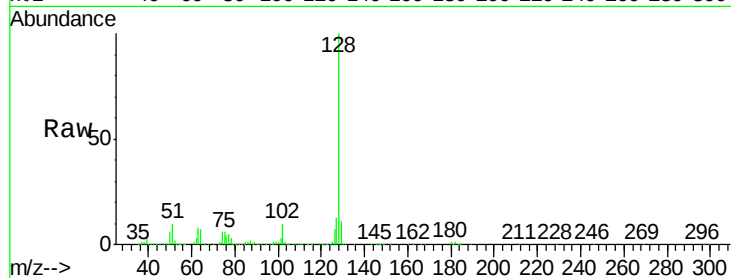
128 100

127 13.1 9.6 14.4

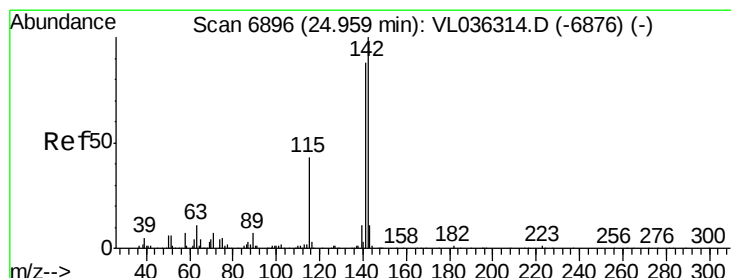
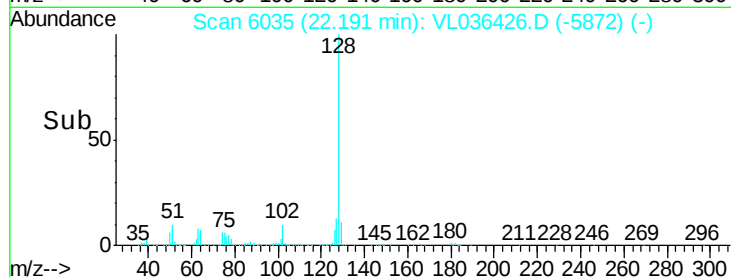
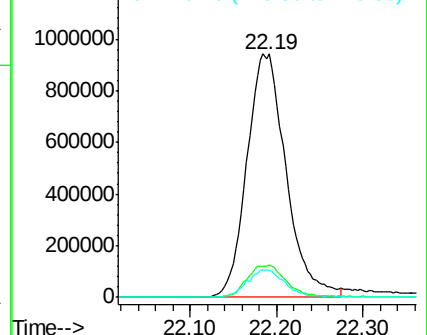
129 11.2 8.5 12.7

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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: 14.892 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL036426.D

Acq: 2 Mar 2021 12:10

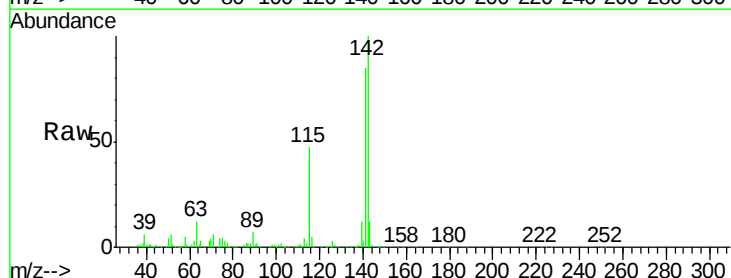
Tgt Ion:142 Resp: 713353

Ion Ratio Lower Upper

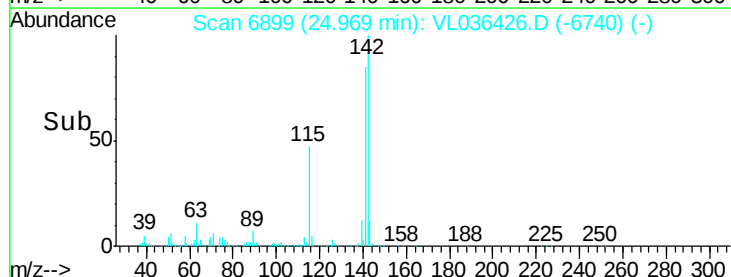
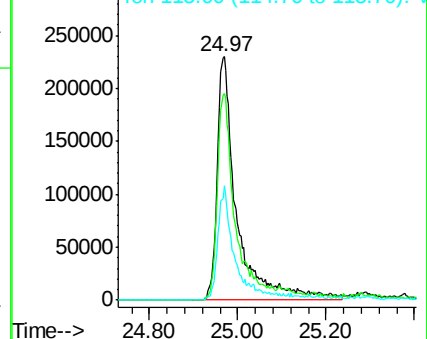
142 100

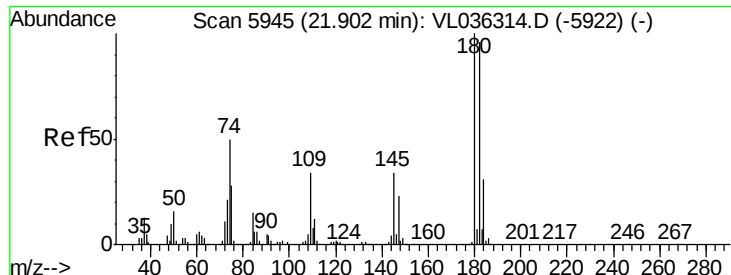
141 84.1 64.4 96.6

115 39.9 34.6 51.8



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: 9.875 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.02 min
 Lab File: VL036426.D
 Acq: 2 Mar 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	80.2	120.4
184	31.2	25.0	37.6

Manual Integrations
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