

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035344.D
 Acq On : 6 Aug 2020 10:09
 Operator : SY/AP
 Sample : VL0806ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:53:30 PM

Quant Time: Aug 07 10:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1435385	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3553113	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3644021m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2907340	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1591872	8.338	ppbv 98
3) Chlorodifluoromethane	2.94	51	1442395	8.803	ppbv 99
4) Chloromethane	3.09	50	798612	8.609	ppbv 99
5) Vinyl Chloride	3.21	62	802842	8.414	ppbv 99
6) Bromomethane	3.43	94	530546	9.076	ppbv 99
7) Chloroethane	3.51	64	316370	8.927	ppbv 93
8) Dichlorotetrafluoroethane	3.14	85	1966558	8.714	ppbv 100
9) Propene	2.96	41	546477	9.360	ppbv 99
10) Heptane	8.12	43	1625212	10.897	ppbv 99
11) Trichlorofluoromethane	3.91	101	2120467	8.572	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1494746	8.454	ppbv 99
13) Ethanol	3.56	45	178579	8.868	ppbv 95
14) Bromoethene	3.70	108	644608	9.093	ppbv 98
15) Acetone	3.81	43	1577889	7.741	ppbv 99
16) 1,3-Butadiene	3.28	39	749267	9.550	ppbv 98
17) tert-Butyl alcohol	4.25	59	1808027	9.664	ppbv 100
18) 1,1-Dichloroethene	4.25	96	677724	8.927	ppbv 97
19) Isopropyl Alcohol	3.92	45	1213305	9.390	ppbv 100
20) Methylene Chloride	4.31	84	605578	7.285	ppbv 97
21) Allyl Chloride	4.38	41	1073460	9.191	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	668971	9.087	ppbv 96
23) Vinyl Acetate	5.05	43	1977853	10.119	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1687047	9.185	ppbv 100
25) Ethyl Acetate	5.65	43	2923924	9.441	ppbv 99
26) Hexane	5.66	57	1273309	9.478	ppbv 98
27) Carbon Disulfide	4.51	76	1775361	9.451	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1973622	10.104	ppbv 99
29) Chloroform	5.73	83	2091302	9.030	ppbv 97
30) Cyclohexane	7.12	84	1093194	10.731	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1263809	10.582	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	2062229	8.472	ppbv 100
34) 2-Butanone	5.22	43	1774156	10.141	ppbv 98
35) Carbon Tetrachloride	7.01	117	2212083	9.047	ppbv 99
36) Benzene	6.88	78	2555131	10.650	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1613934	9.629	ppbv 100
38) Trichloroethene	7.83	130	1097540	9.917	ppbv 92
39) 1,2-Dichloropropane	7.61	63	979392	10.083	ppbv 96
40) 1,4-Dioxane	7.82	88	426891	10.263	ppbv 97
41) Tetrahydrofuran	6.03	42	962638	11.212	ppbv 100
42) Bromodichloromethane	7.79	83	2249996	9.996	ppbv 96
43) Methyl Methacrylate	8.01	69	1147632	11.370	ppbv 100

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Manual Integrations
 APPROVED

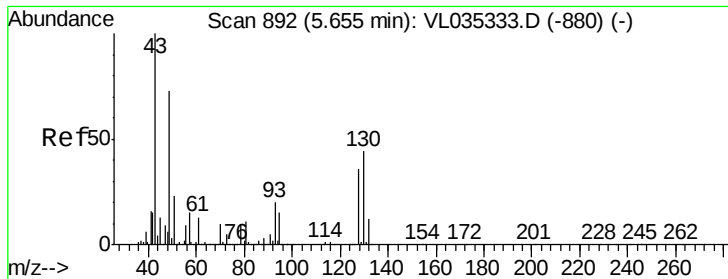
MMDadoda
 8/7/2020 12:53:30 PM

Quant Time: Aug 07 10:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.86	57	4366636	10.244	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1308186	12.494	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1532757	12.121	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1127075	9.651	ppbv	96
48) Dibromochloromethane	10.32	129	1967886	10.287	ppbv	99
49) Bromoform	13.06	173	1800404	10.328	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2766997	10.359	ppbv	99
51) 2-Hexanone	10.14	43	2261946	10.802	ppbv #	99
52) Tetrachloroethene	11.23	164	985185	10.357	ppbv	96
53) Toluene	9.81	91	3015246	11.553	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1736816	10.366	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.14	131	1549169	9.006	ppbv	97
57) Chlorobenzene	12.16	112	2501980	9.119	ppbv	98
58) Ethyl Benzene	12.73	91	4155241	10.959	ppbv	97
59) m/p-Xylene	13.01	91	7094053m	20.092	ppbv	
60) o-Xylene	13.71	91	3552246	10.138	ppbv	100
61) Styrene	13.55	104	2548138	11.908	ppbv	99
62) Isopropylbenzene	14.69	105	5241906	9.936	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2607254	8.723	ppbv	99
64) n-propylbenzene	15.58	120	1446280	10.201	ppbv	99
65) tert-Butylbenzene	16.77	119	4836171	10.011	ppbv	99
66) Benzyl Chloride	17.01	91	2125490	11.116	ppbv	100
67) sec-Butylbenzene	17.32	105	6709331	9.819	ppbv	99
69) p-Isopropyltoluene	17.68	119	5678482	10.193	ppbv	100
70) n-Butylbenzene	18.58	91	5901073	9.903	ppbv	100
71) 2-Chlorotoluene	15.48	91	4052527	10.487	ppbv	100
72) 4-Ethyltoluene	15.86	105	4269513	10.688	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4010629	10.463	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	4252108	9.706	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	2551978	8.904	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2554367	9.624	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	2470582	9.341	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	2050408	9.111	ppbv	99
79) Naphthalene	22.24	128	4327448	12.842	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	1827055	23.835	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	2385130	11.231	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 49 Resp: 1435385

Ion Ratio Lower Upper

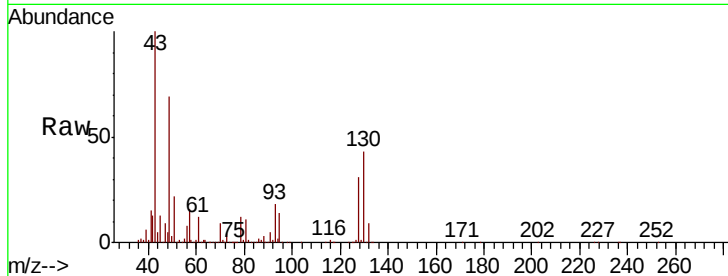
49 100

128 49.6 25.4 76.0

130 64.1 32.1 96.3

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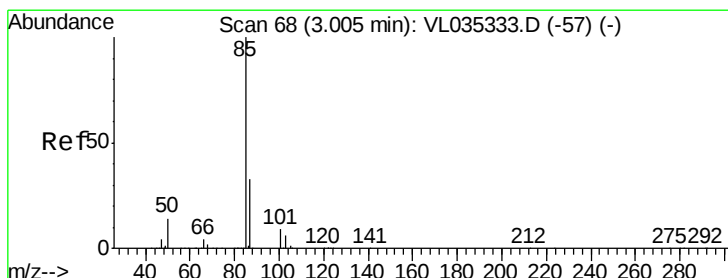
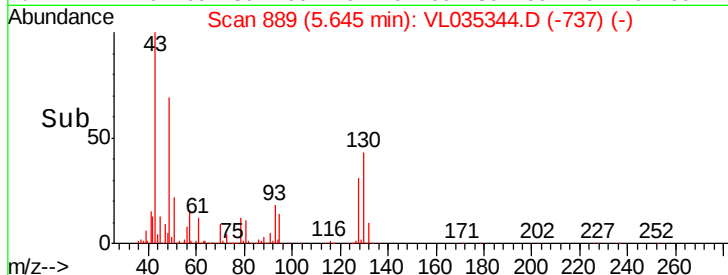
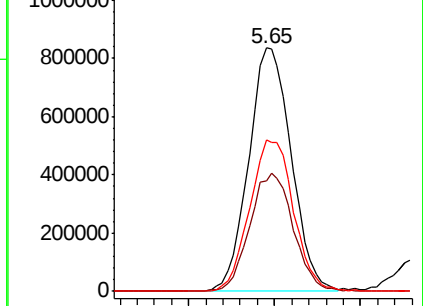
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.338 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035344.D

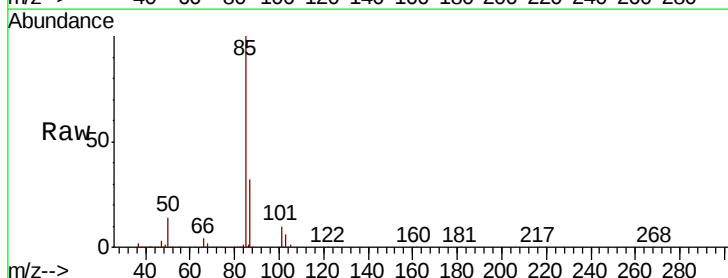
Acq: 6 Aug 2020 10:09

Tgt Ion: 85 Resp: 1591872

Ion Ratio Lower Upper

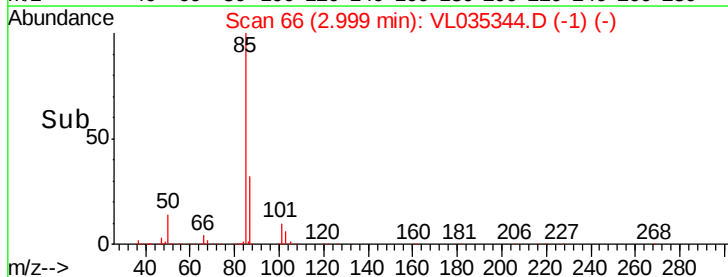
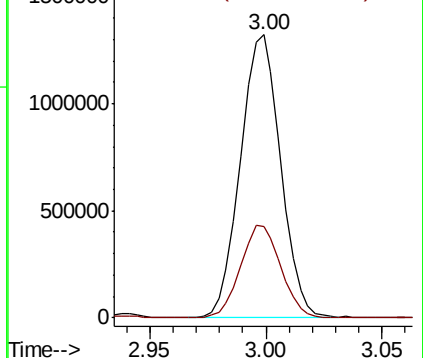
85 100

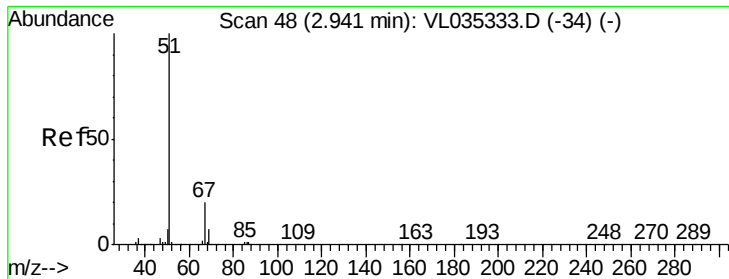
87 32.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.803 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 51 Resp: 1442395

Ion Ratio Lower Upper

51 100

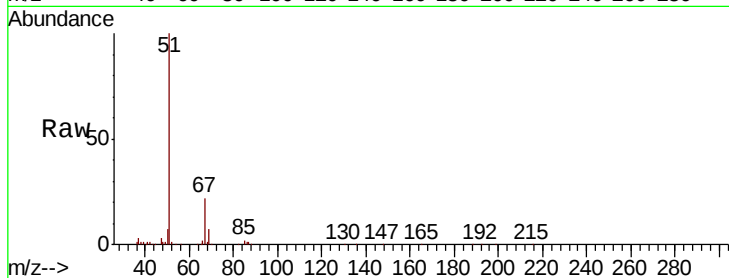
67 20.4 16.6 25.0

Manual Integrations

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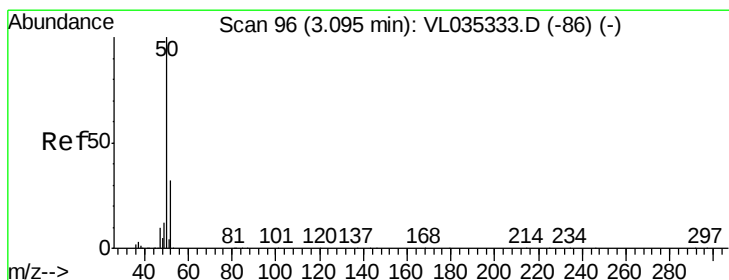
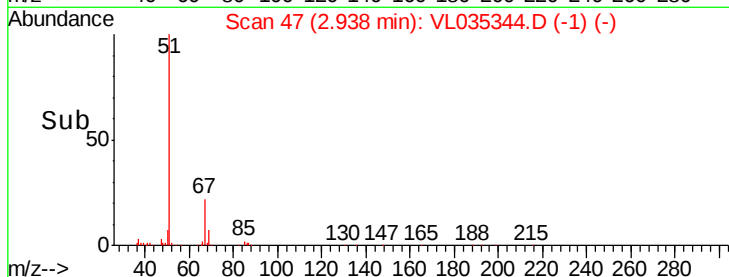
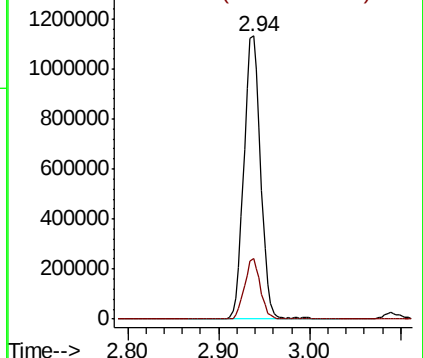
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.609 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035344.D

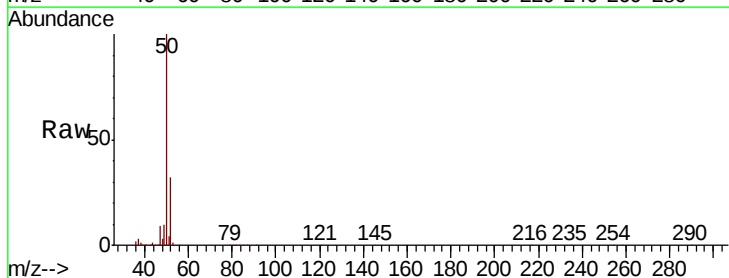
Acq: 6 Aug 2020 10:09

Tgt Ion: 50 Resp: 798612

Ion Ratio Lower Upper

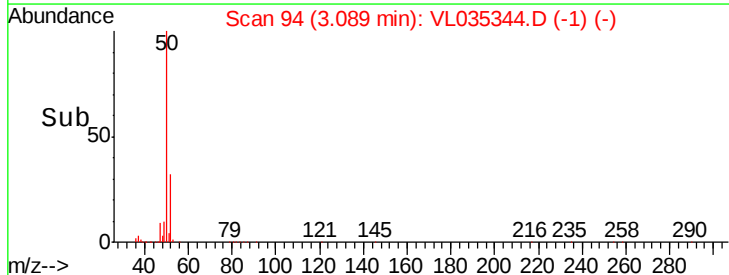
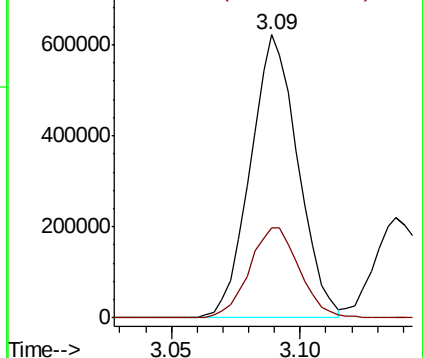
50 100

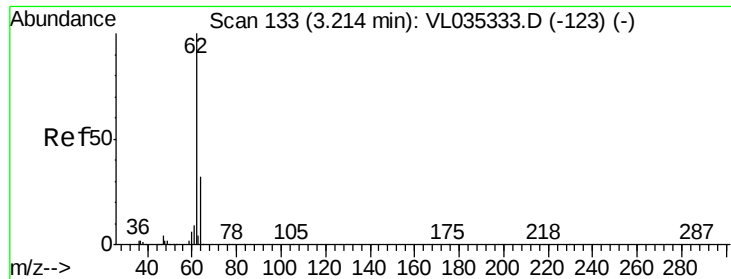
52 31.8 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.414 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 62 Resp: 802842

Ion Ratio Lower Upper

62 100

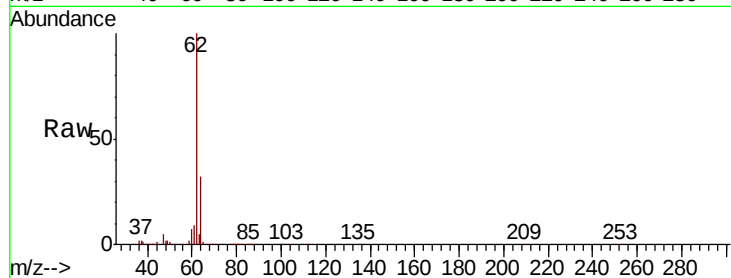
64 31.8 25.8 38.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

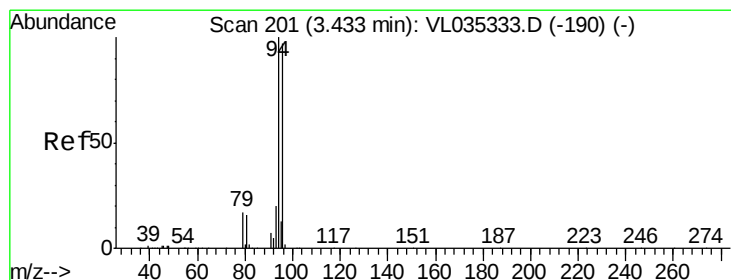
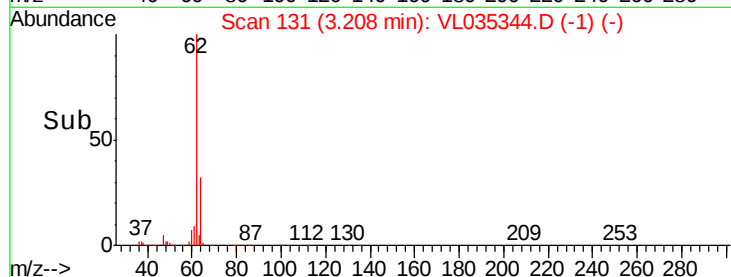
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.076 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035344.D

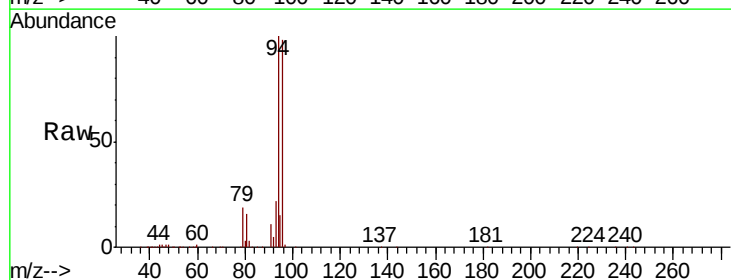
Acq: 6 Aug 2020 10:09

Tgt Ion: 94 Resp: 530546

Ion Ratio Lower Upper

94 100

96 97.5 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

400000

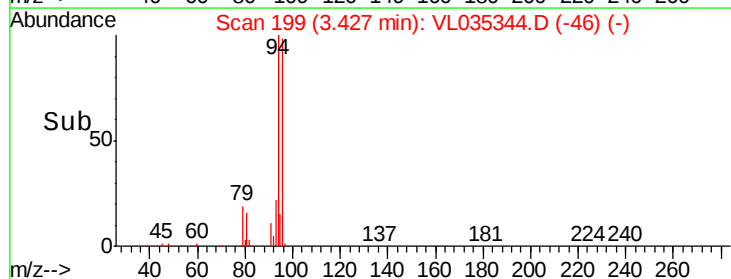
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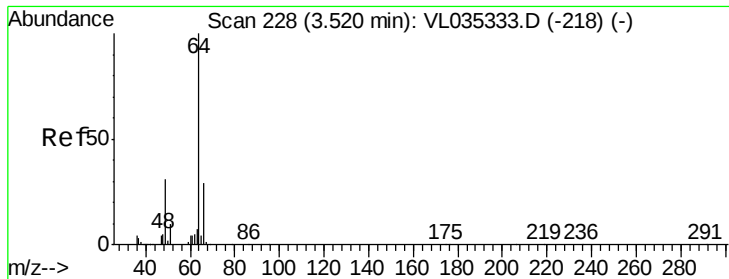
200000

100000

0

Time-->





#7

Chloroethane

Concen: 8.927 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 64 Resp: 316370

Ion Ratio Lower Upper

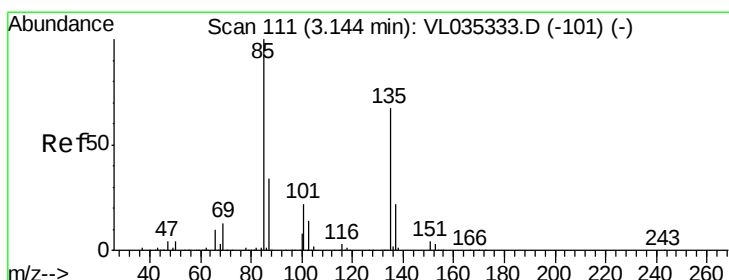
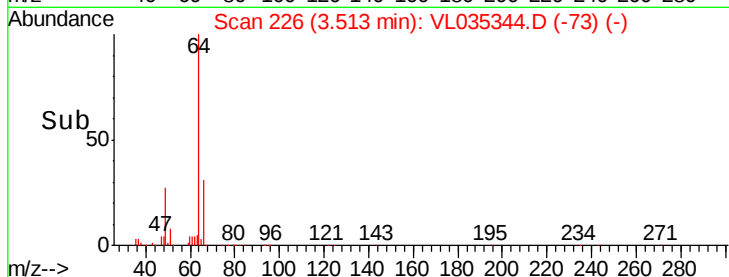
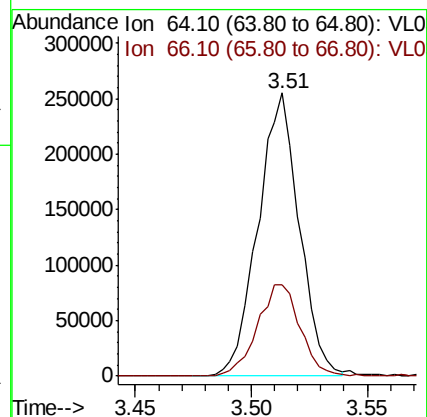
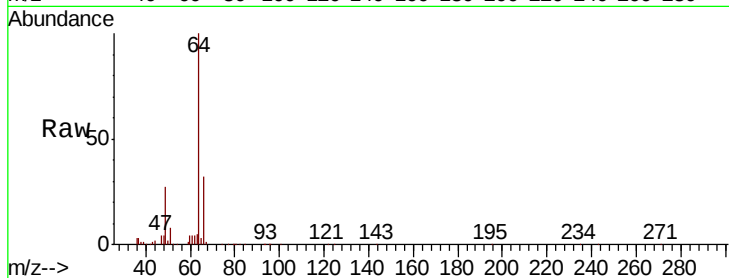
64 100

66 32.4 23.0 34.6

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.714 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035344.D

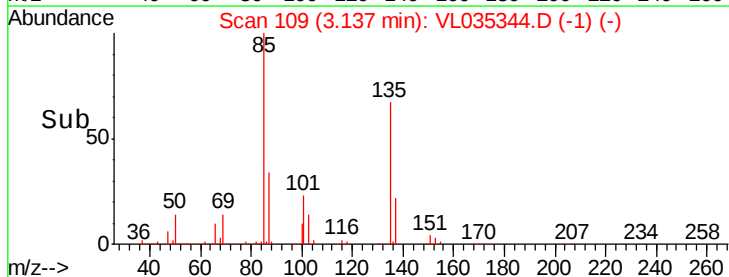
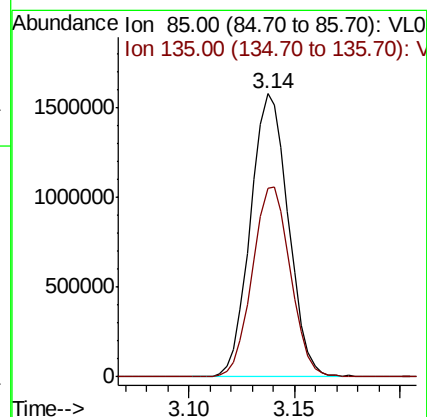
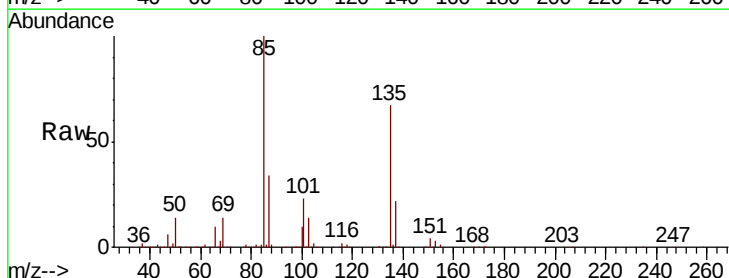
Acq: 6 Aug 2020 10:09

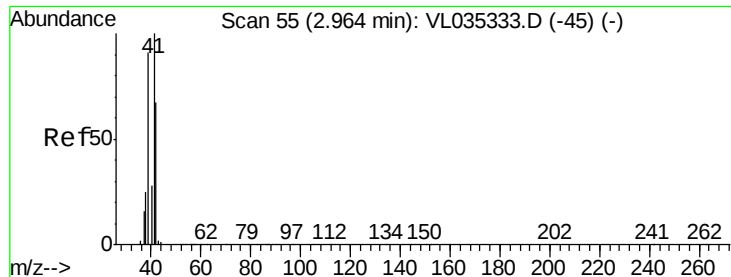
Tgt Ion: 85 Resp: 1966558

Ion Ratio Lower Upper

85 100

135 67.7 54.5 81.7





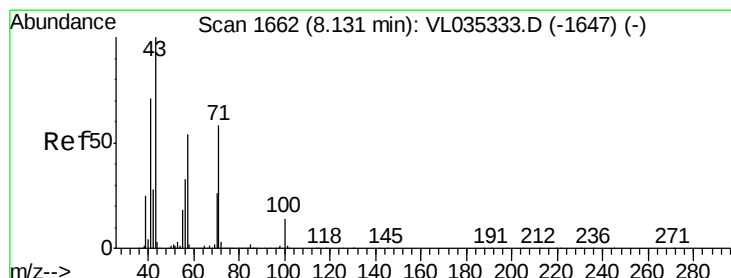
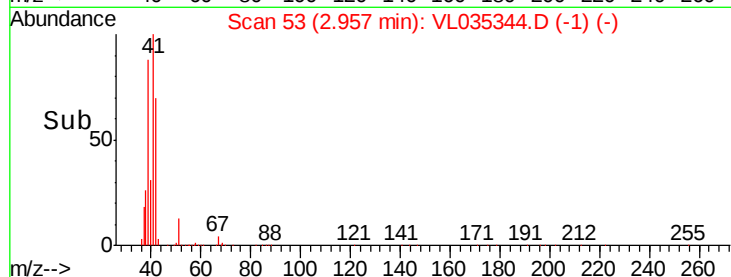
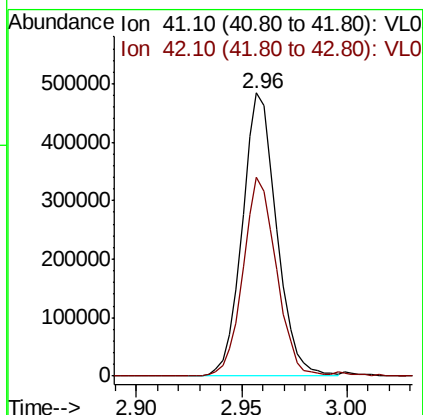
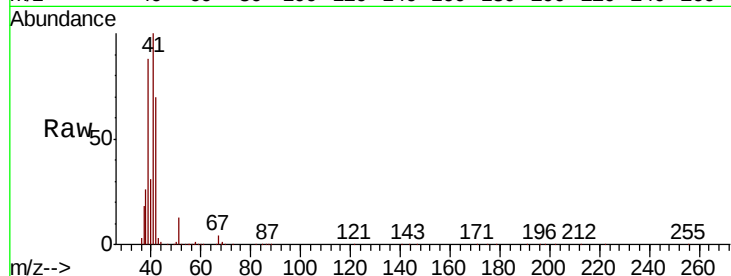
#9
 Propene
 Concen: 9.360 ppbv
 RT: 2.96 min Scan# 53
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion: 41 Resp: 546477
 Ion Ratio Lower Upper
 41 100
 42 69.7 55.3 82.9

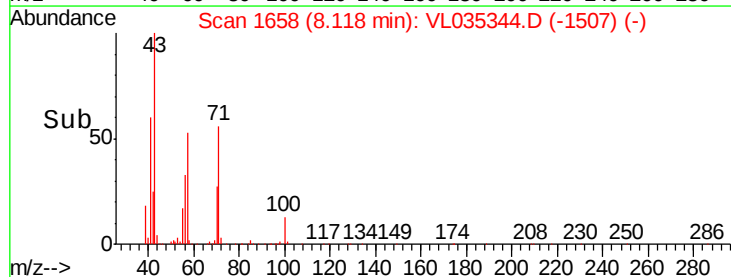
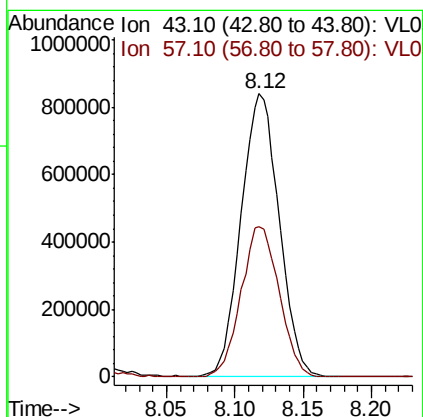
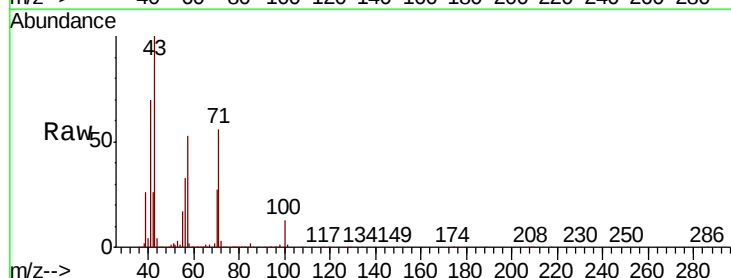
Manual Integrations
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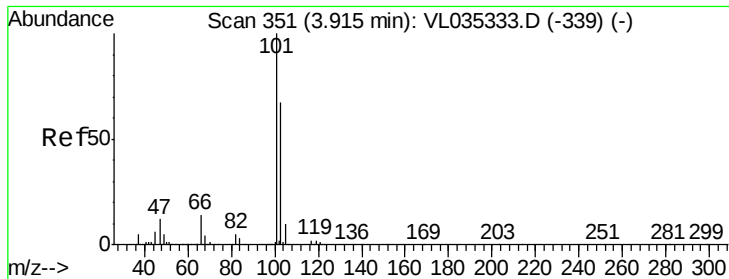
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 8/7/2020 12:53:30 PM



#10
 Heptane
 Concen: 10.897 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion: 43 Resp: 1625212
 Ion Ratio Lower Upper
 43 100
 57 53.4 43.0 64.6





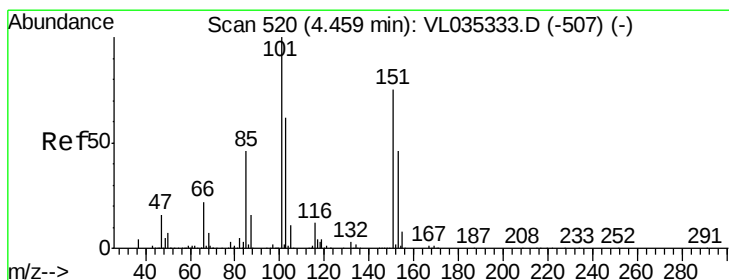
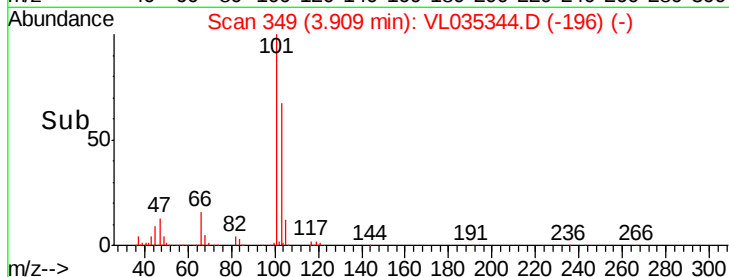
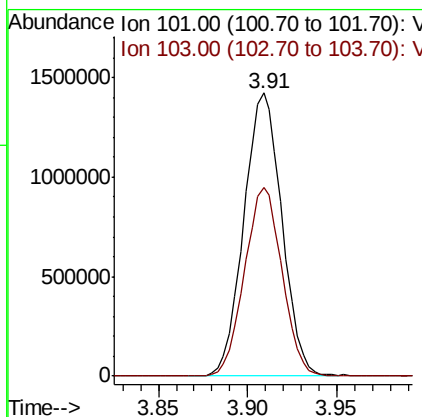
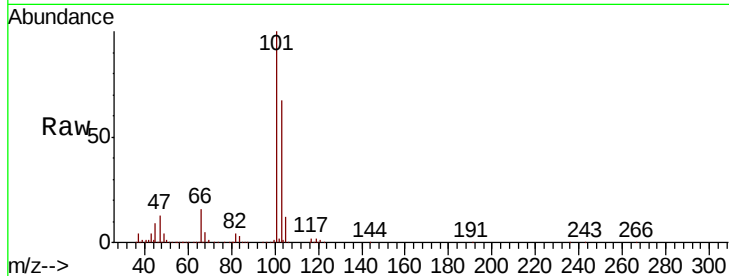
#11
 Trichlorofluoromethane
 Concen: 8.572 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion:101 Resp: 2120467
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.8 80.8

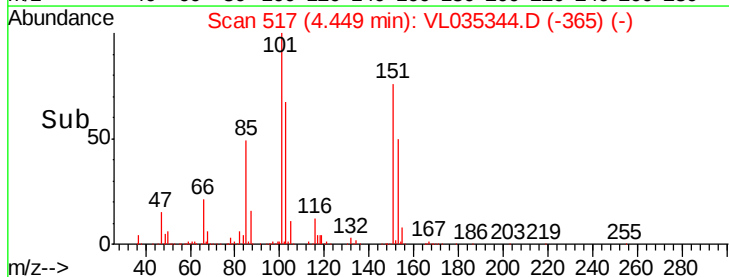
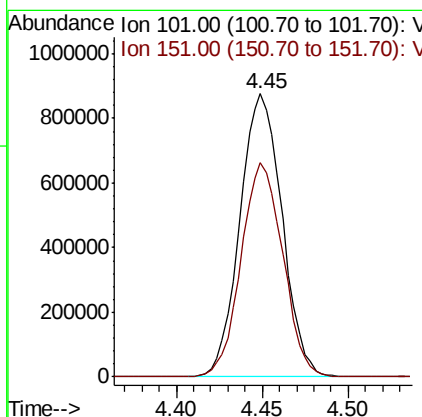
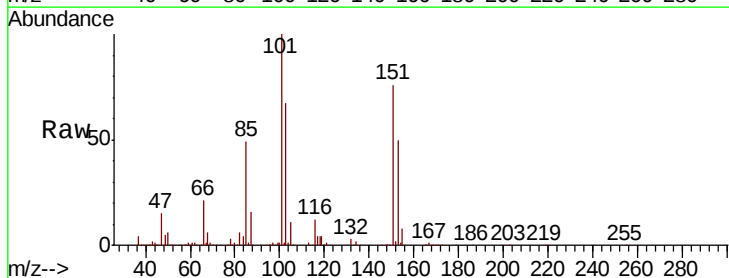
Manual Integrations
 APPROVED

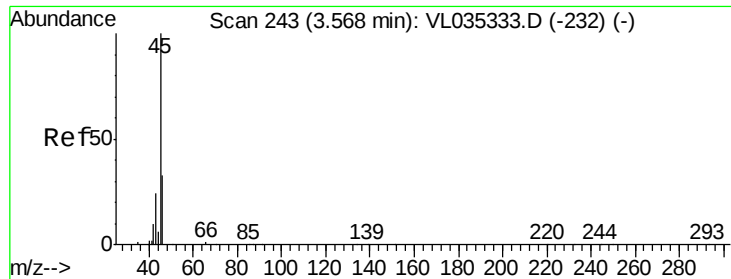
MMDadoda
 8/7/2020 12:53:30 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.454 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion:101 Resp: 1494746
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.5 89.3





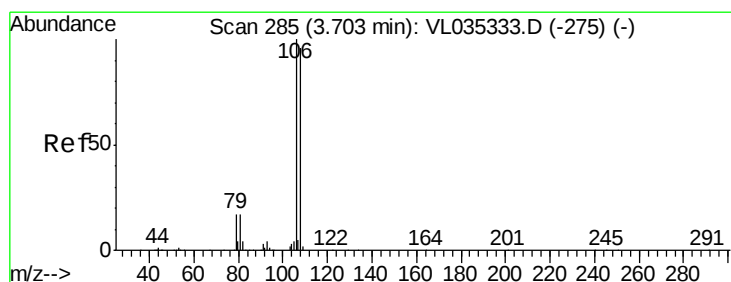
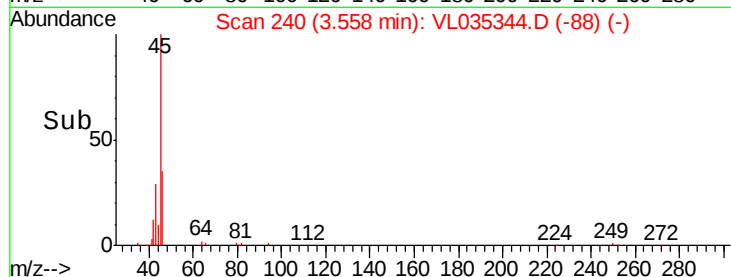
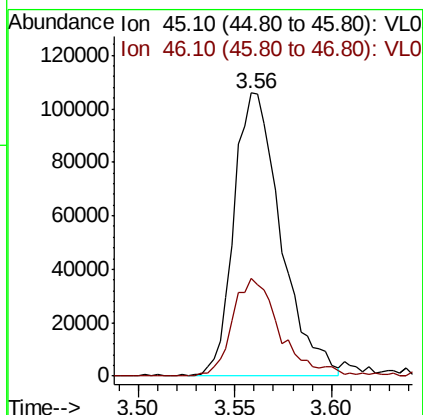
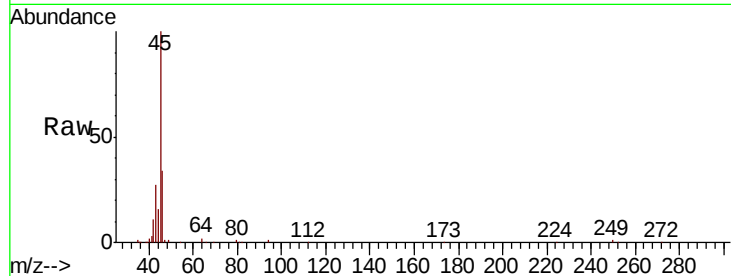
#13
Ethanol
Concen: 8.868 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 45 Resp: 178579
Ion Ratio Lower Upper
45 100
46 35.2 15.2 61.0

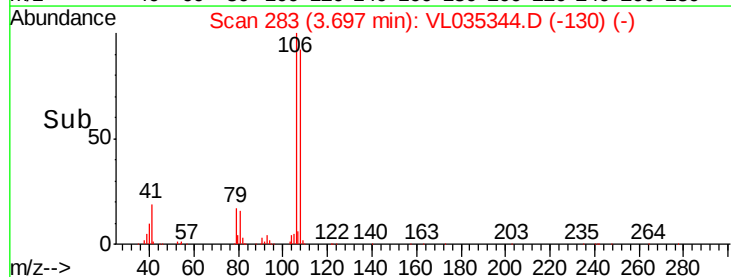
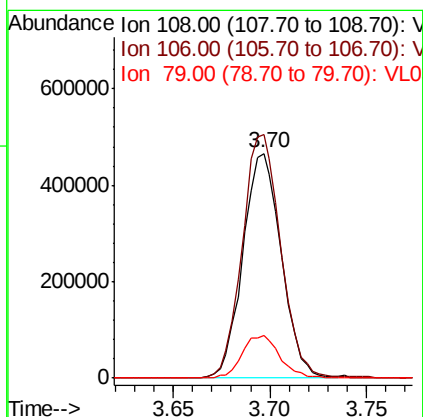
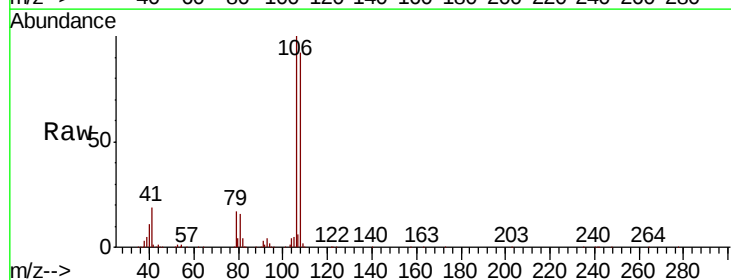
Manual Integrations
APPROVED

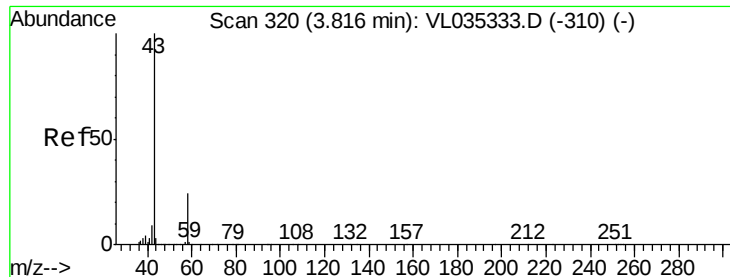
MMDadoda
8/7/2020 12:53:30 PM



#14
Bromoethene
Concen: 9.093 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 108 Resp: 644608
Ion Ratio Lower Upper
108 100
106 109.3 85.0 127.6
79 18.8 15.0 22.6





#15

Acetone

Concen: 7.741 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 43 Resp: 1577889

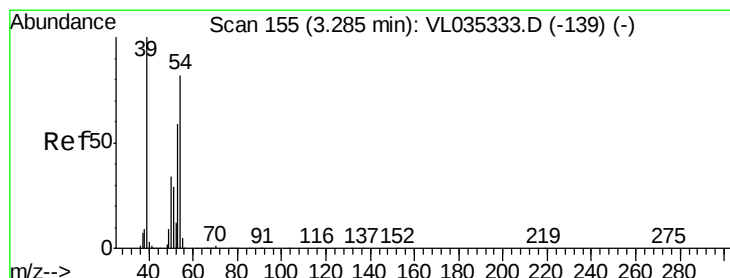
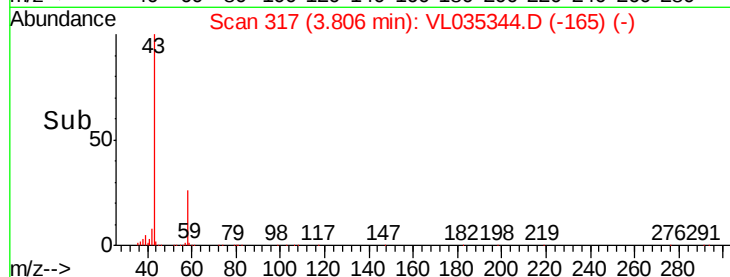
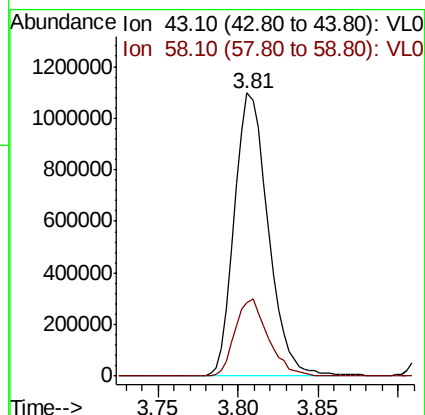
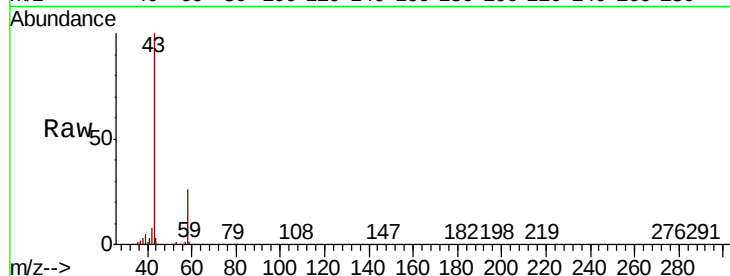
Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.4

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.550 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035344.D

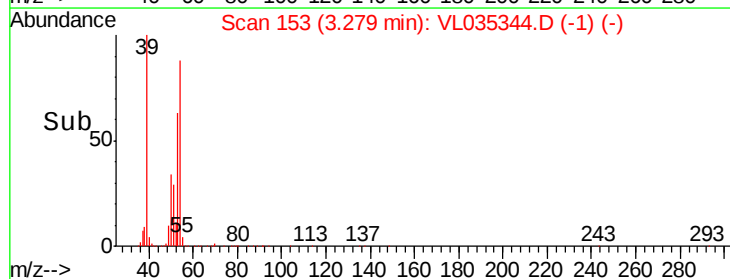
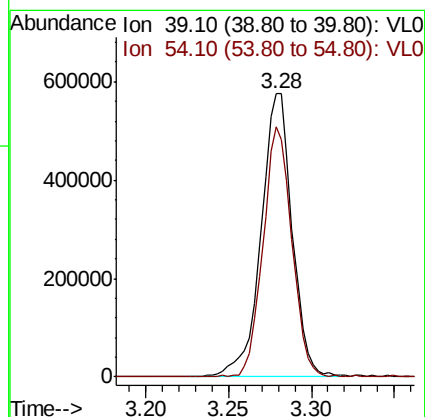
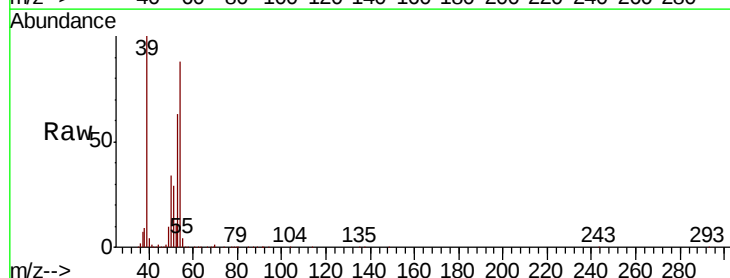
Acq: 6 Aug 2020 10:09

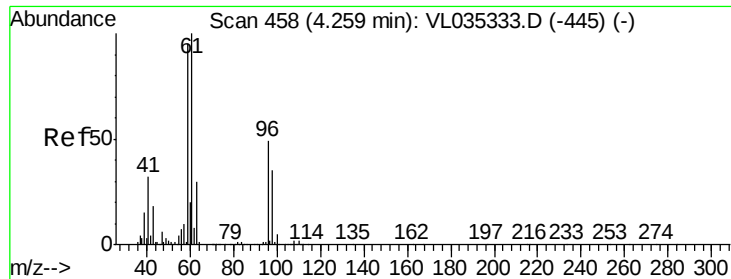
Tgt Ion: 39 Resp: 749267

Ion Ratio Lower Upper

39 100

54 82.4 64.4 96.6





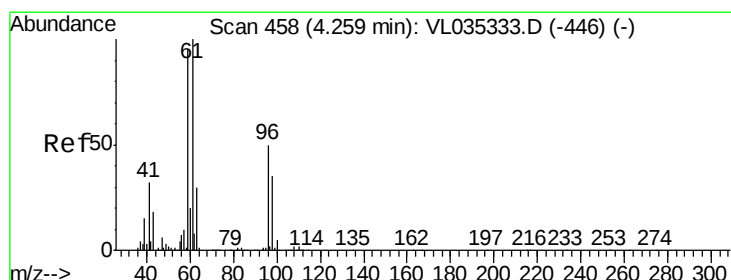
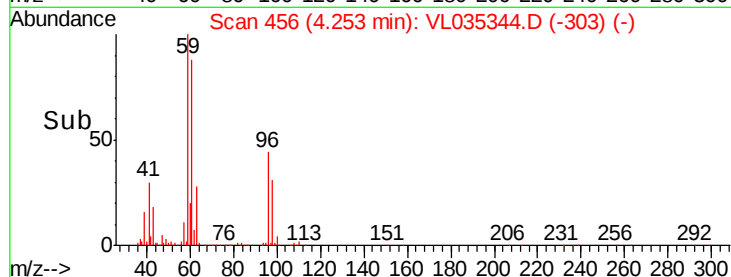
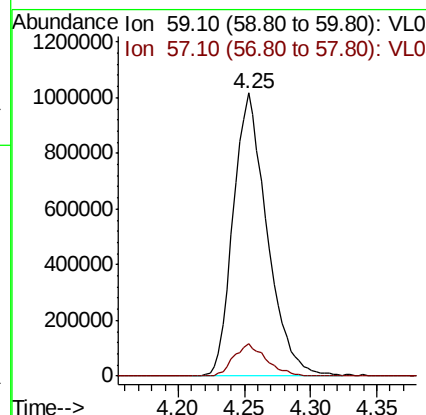
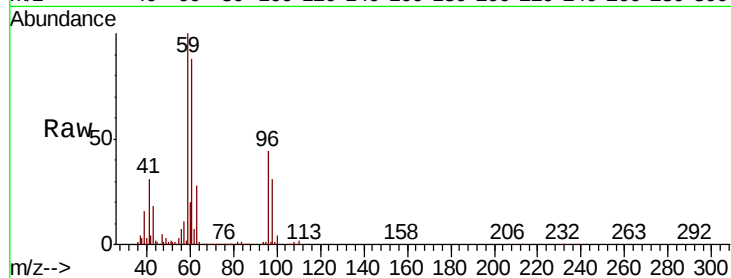
#17
tert-Butyl alcohol
Concen: 9.664 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 59 Resp: 1808027
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

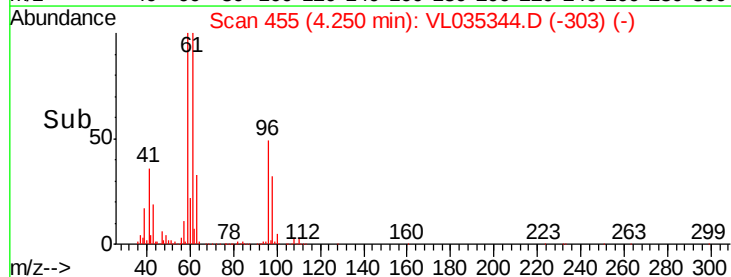
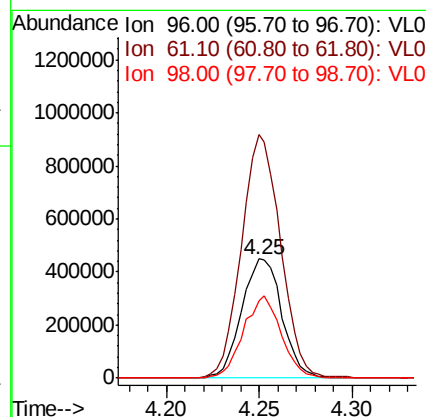
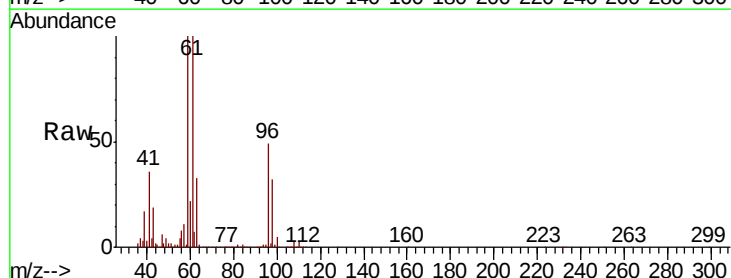
Manual Integrations
APPROVED

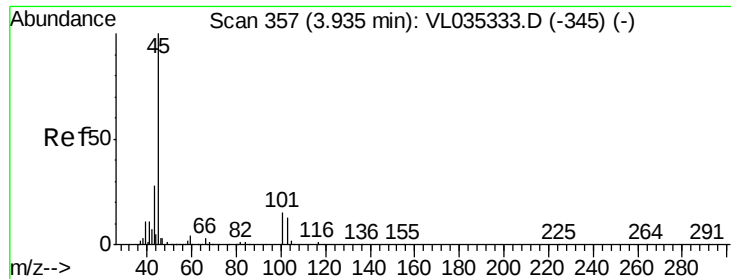
MMDadoda
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#18
1,1-Dichloroethene
Concen: 8.927 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 96 Resp: 677724
Ion Ratio Lower Upper
96 100
61 203.6 161.4 242.2
98 64.4 56.0 84.0





#19

Isopropyl Alcohol

Concen: 9.390 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 45 Resp: 1213305

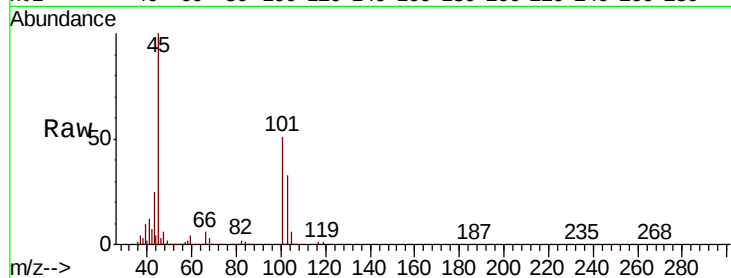
Ion Ratio Lower Upper

45 100

58 2.4 1.9 2.9

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

800000

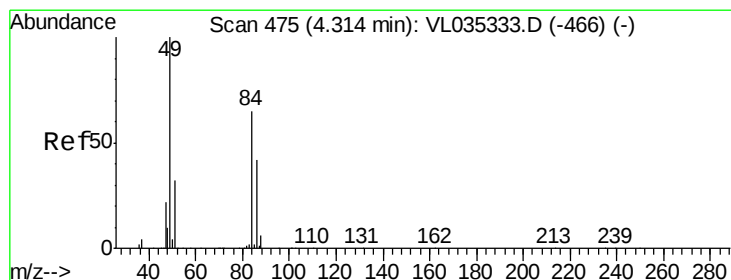
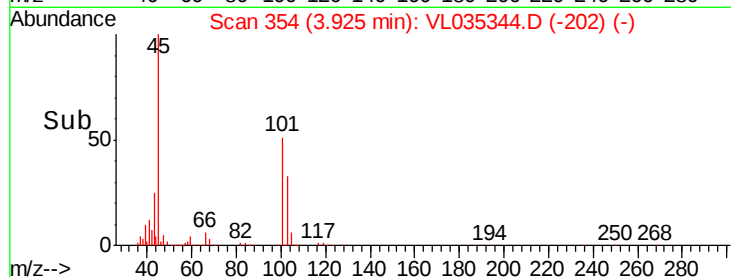
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.285 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion: 84 Resp: 605578

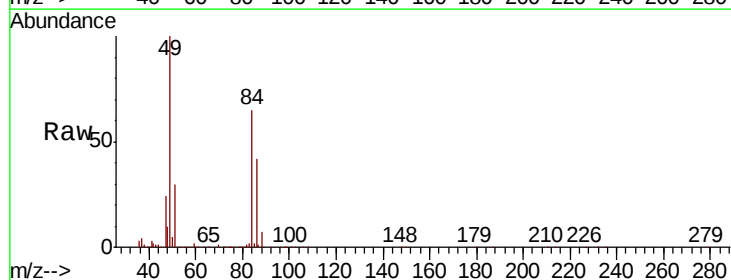
Ion Ratio Lower Upper

84 100

49 150.4 122.8 184.2

51 44.5 40.1 60.1

86 63.8 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

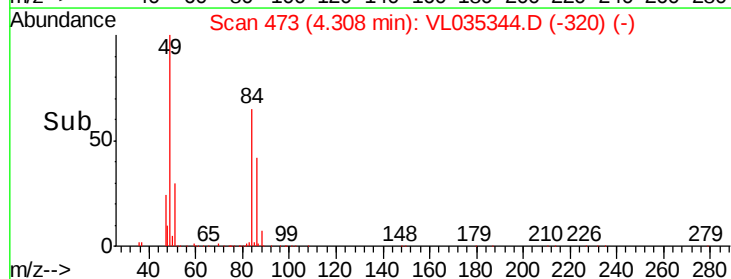
600000

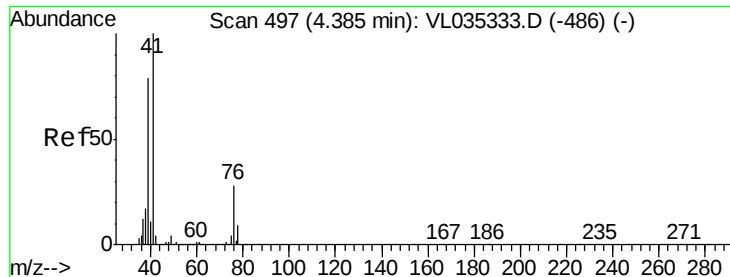
400000

200000

0

Time-->





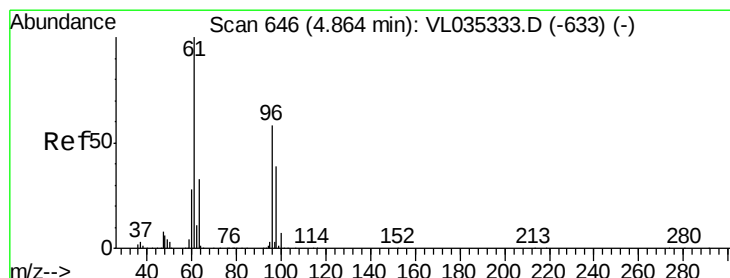
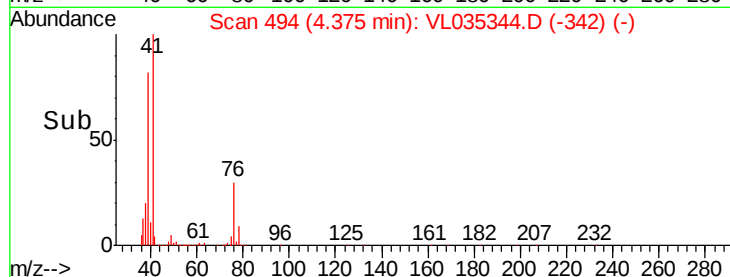
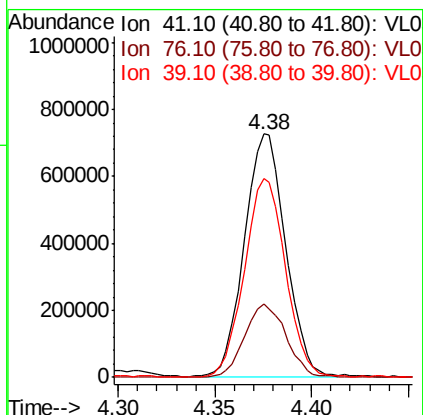
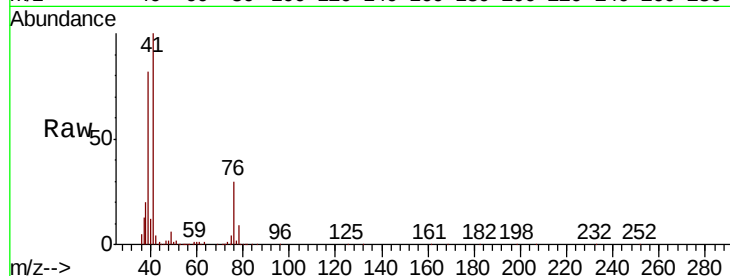
#21
Allvl Chloride
Concen: 9.191 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 41 Resp: 1073460
Ion Ratio Lower Upper
41 100
76 30.3 23.8 35.6
39 82.1 65.0 97.6

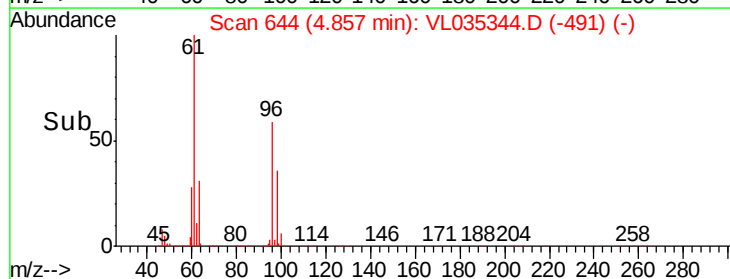
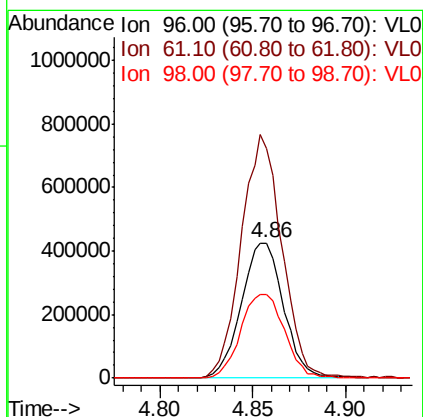
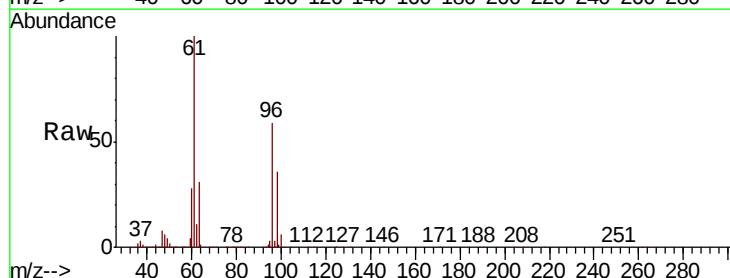
Manual Integrations
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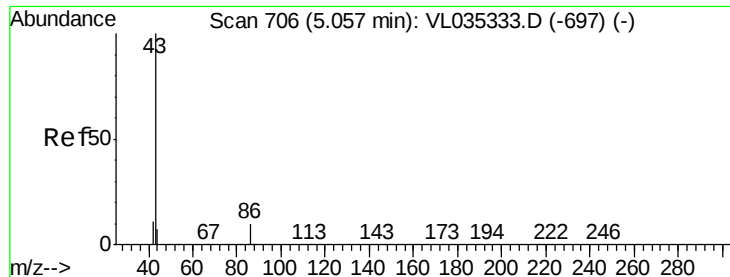
MMDadoda
8/7/2020 12:53:30 PM



#22
trans-1,2-Dichloroethene
Concen: 9.087 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 96 Resp: 668971
Ion Ratio Lower Upper
96 100
61 169.6 138.5 207.7
98 61.3 54.3 81.5





#23

Vinyl Acetate

Concen: 10.119 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tot Ion: 43 Resp: 1977853

Ion Ratio Lower Upper

43 100

86 7.6 6.9 10.3

42 10.5 8.8 13.2

44 6.5 5.0 7.6

Instrument :

MSVOA_L

ClientSampleId :

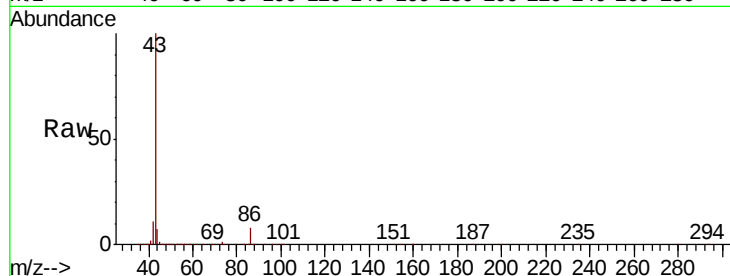
VL0806ABS01

Manual Integrations

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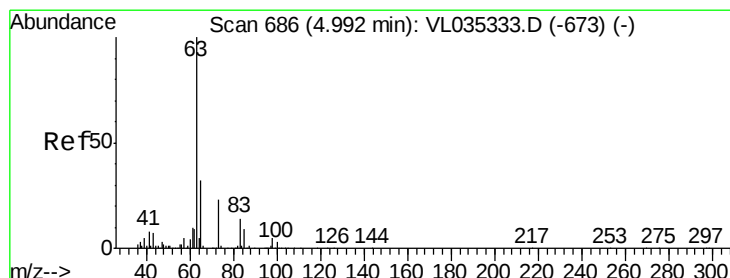
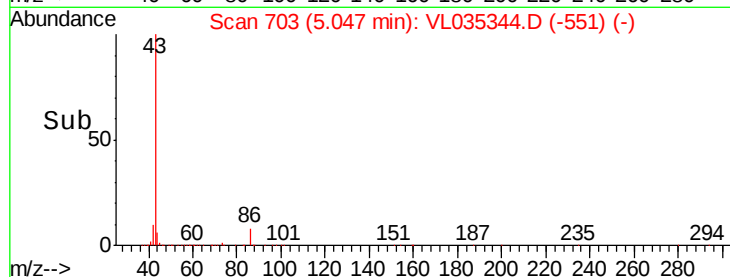
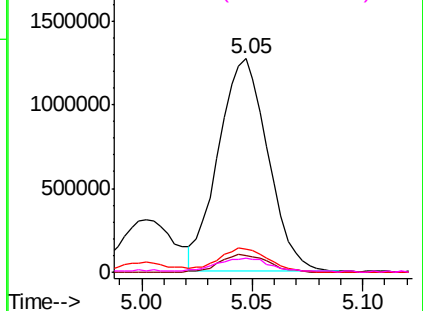


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.185 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

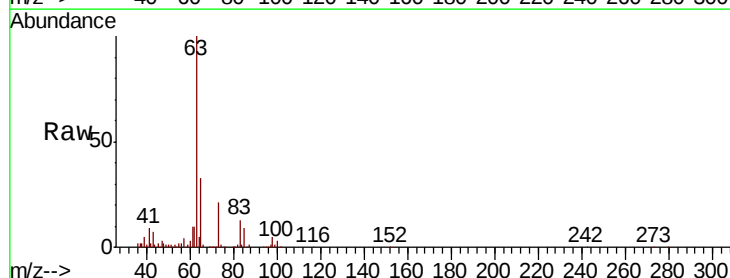
Tgt Ion: 63 Resp: 1687047

Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.5

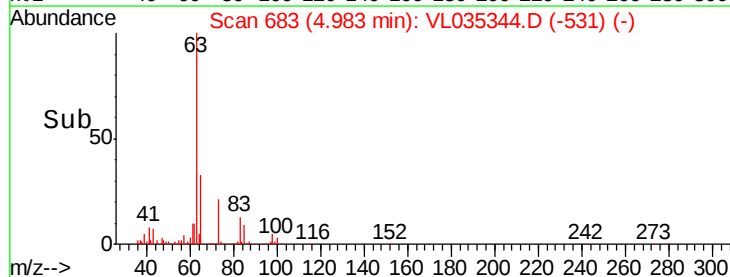
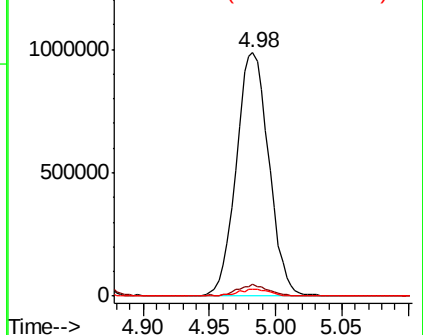
100 2.6 1.4 4.2

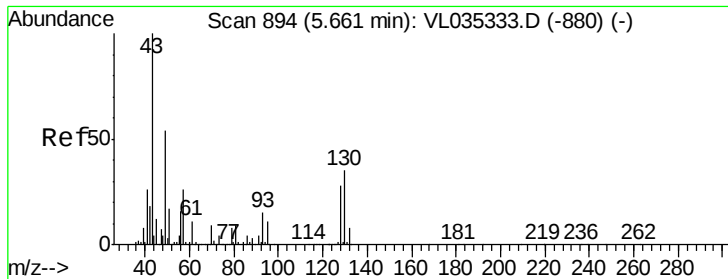


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





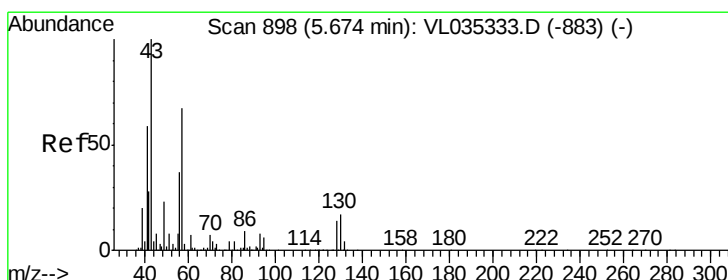
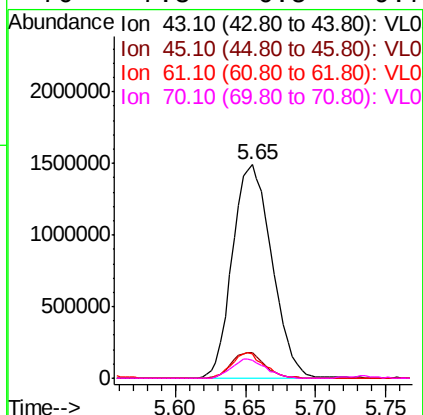
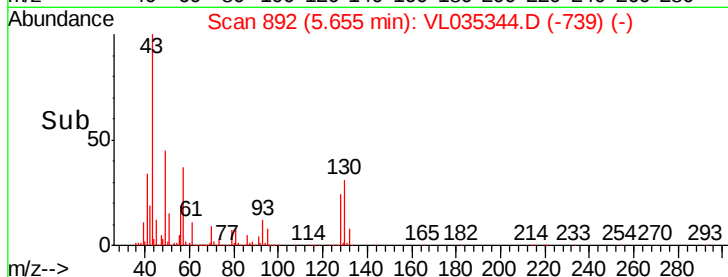
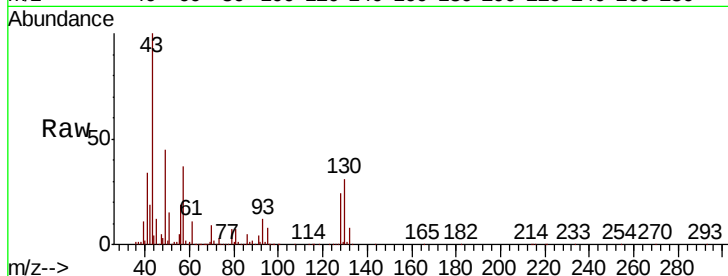
#25
Ethyl Acetate
Concen: 9.441 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.5	12.7	
61	10.1	8.1	12.1	
70	7.8	6.5	9.7	

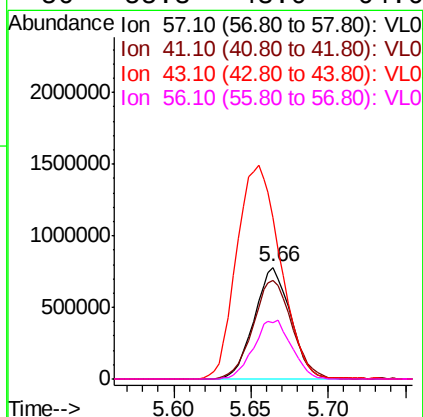
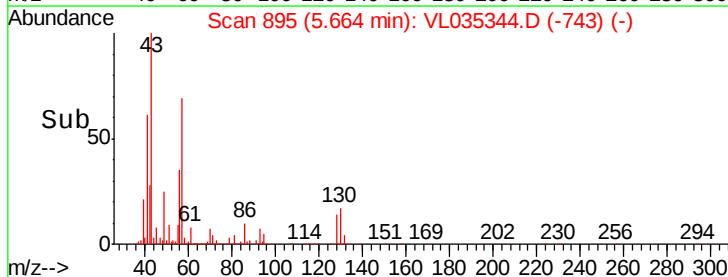
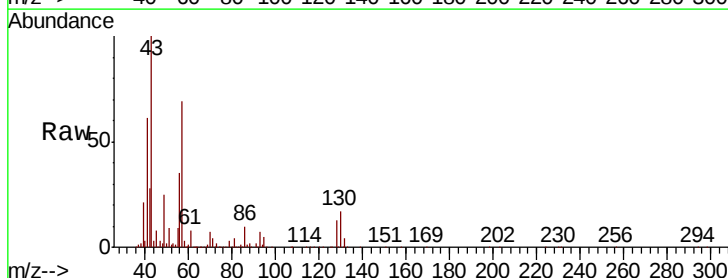
Manual Integrations
APPROVED

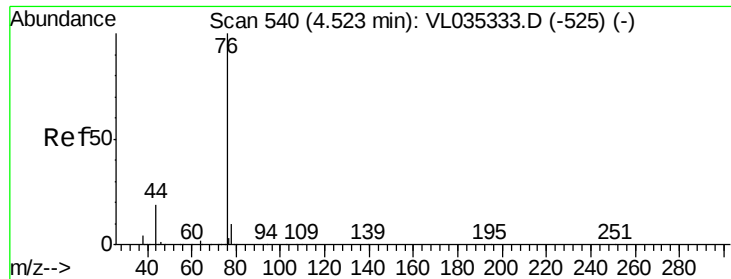
MMDadoda
8/7/2020 12:53:30 PM



#26
Hexane
Concen: 9.478 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.9	75.2	112.8	
43	230.5	180.6	270.8	
56	55.3	43.0	64.6	





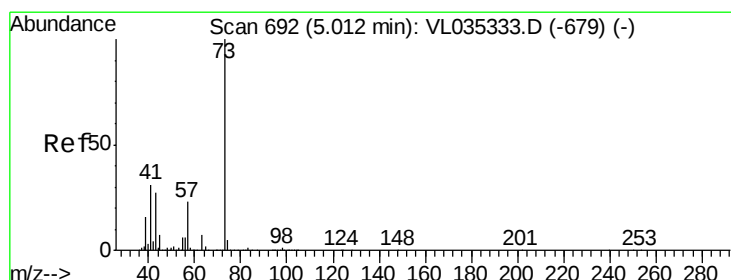
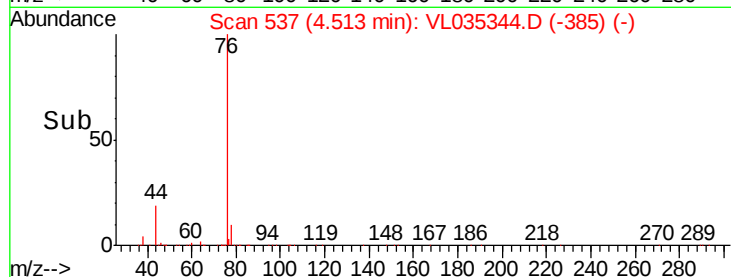
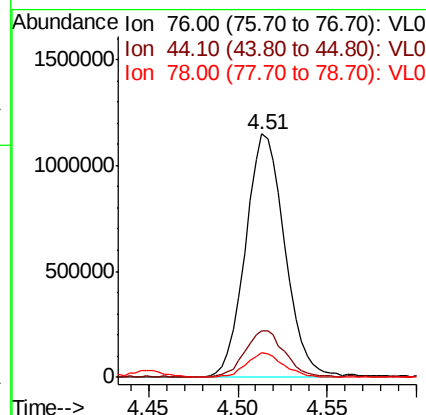
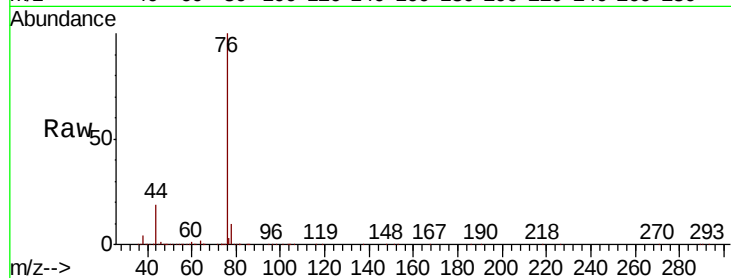
#27
Carbon Disulfide
Concen: 9.451 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.4	23.2
78	9.9	7.7	11.5

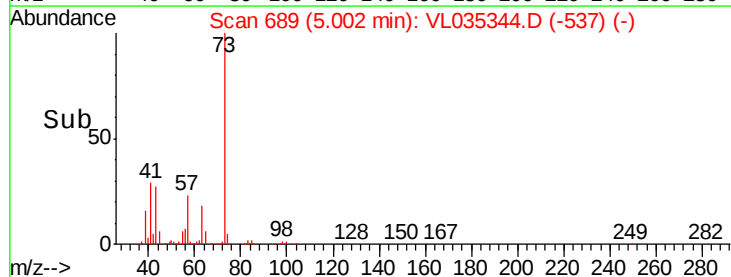
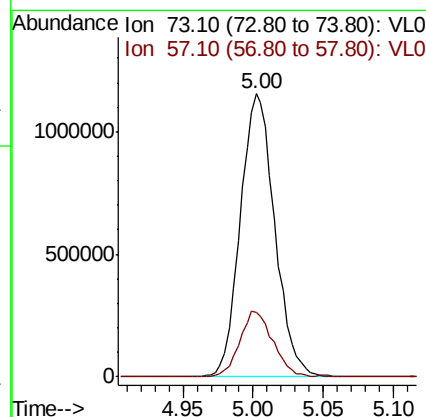
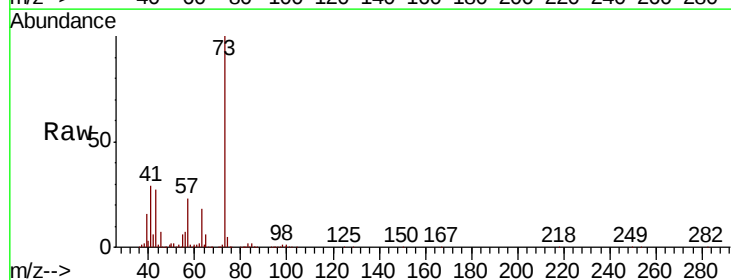
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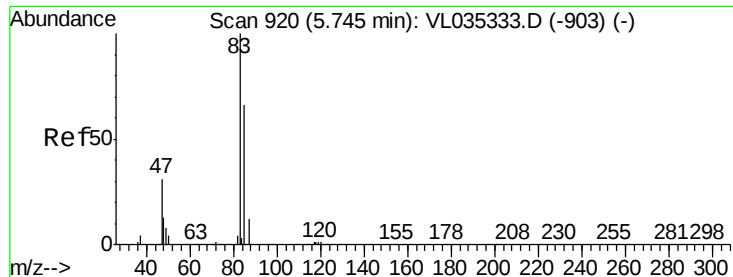
MMDadoda
8/7/2020 12:53:30 PM



#28
Methyl tert-Butyl Ether
Concen: 10.104 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9





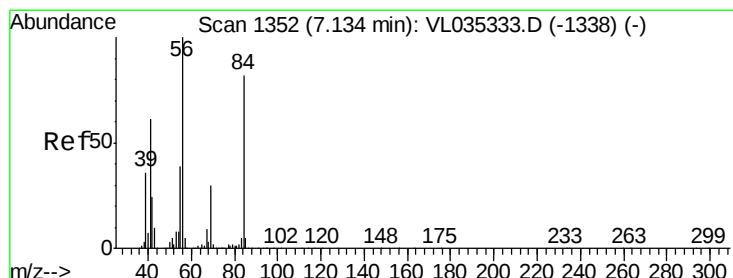
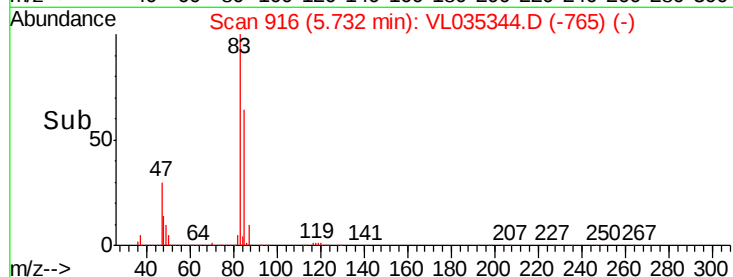
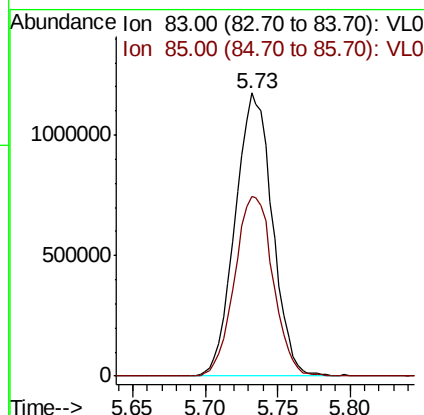
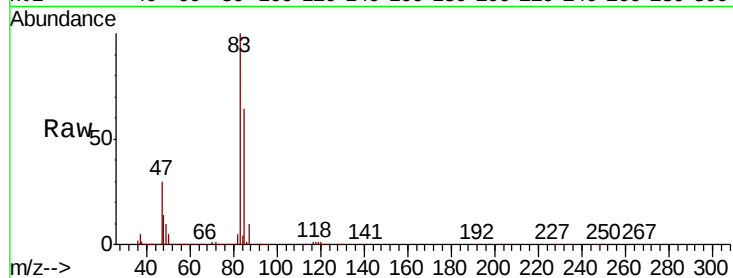
#29
Chloroform
Concen: 9.030 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 83 Resp: 2091302
Ion Ratio Lower Upper
83 100
85 63.5 52.9 79.3

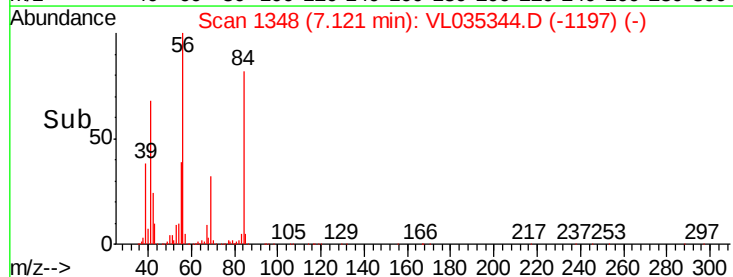
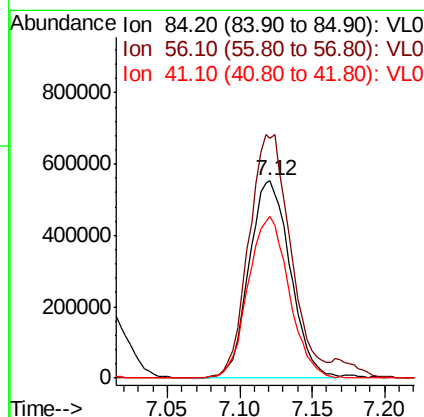
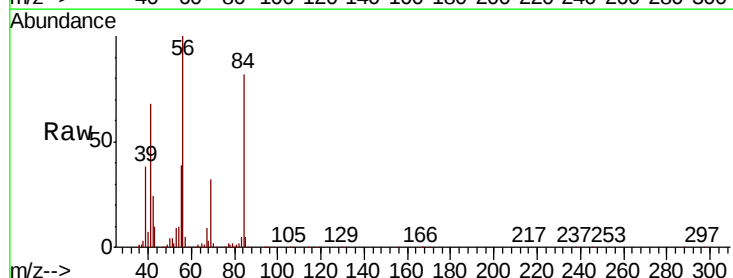
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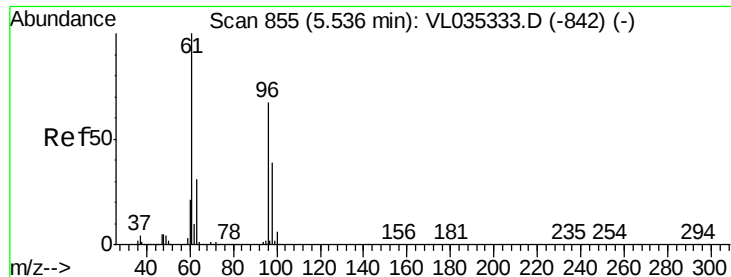
MMDadoda
8/7/2020 12:53:30 PM



#30
Cyclohexane
Concen: 10.731 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 84 Resp: 1093194
Ion Ratio Lower Upper
84 100
56 131.7 104.7 157.1
41 81.8 64.2 96.2





#31

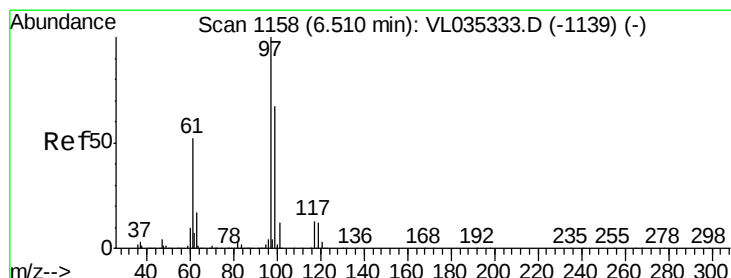
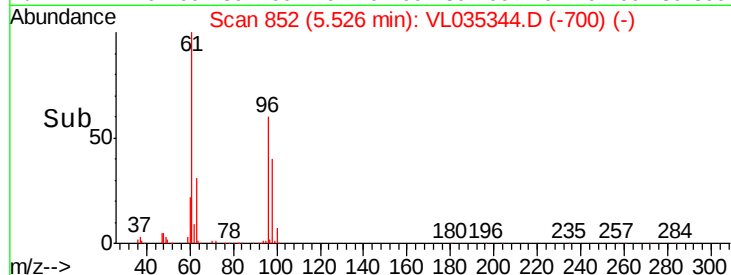
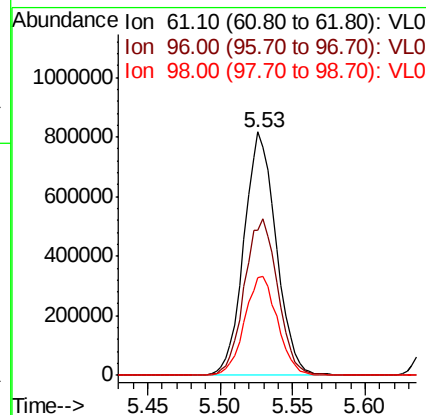
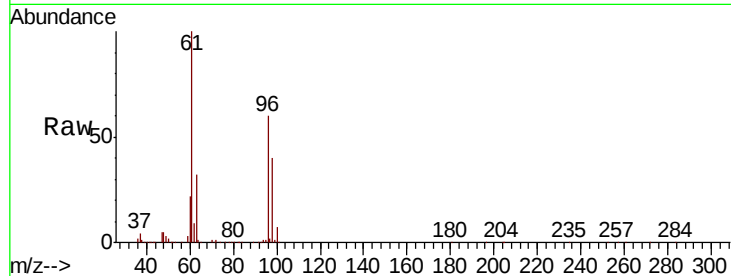
cis-1,2-Dichloroethene
 Concen: 10.582 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.6	53.6	80.4
98	40.1	31.0	46.4

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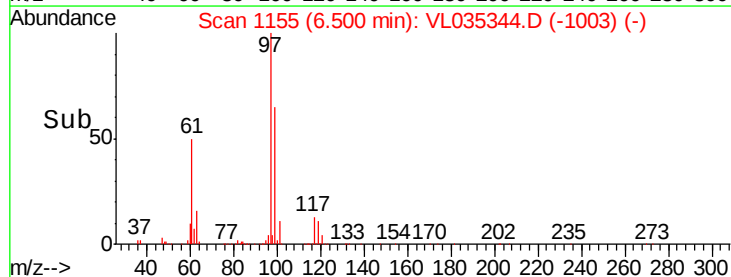
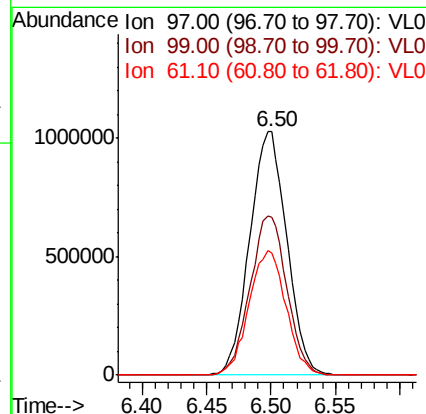
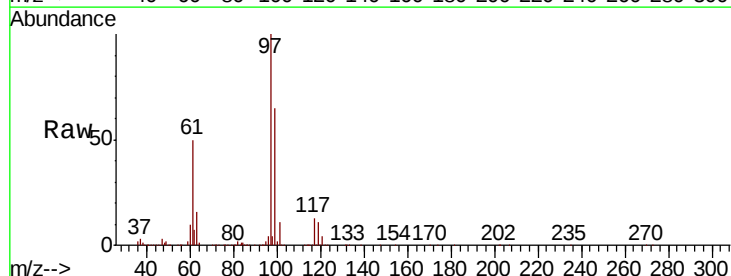
MMDadoda
 8/7/2020 12:53:30 PM

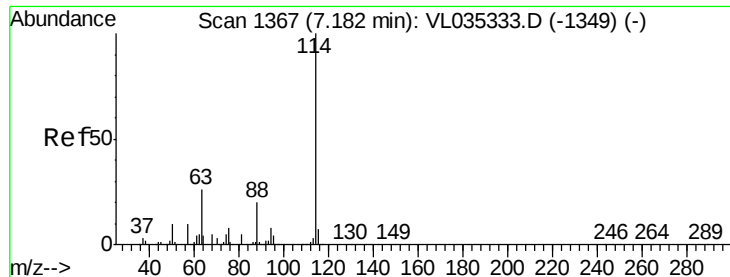


#32

1,1,1-Trichloroethane
 Concen: 8.472 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	51.4	40.9	61.3





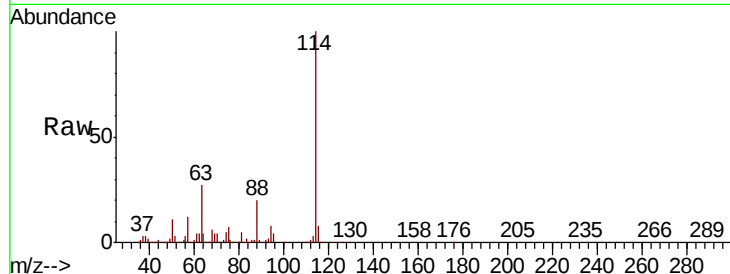
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

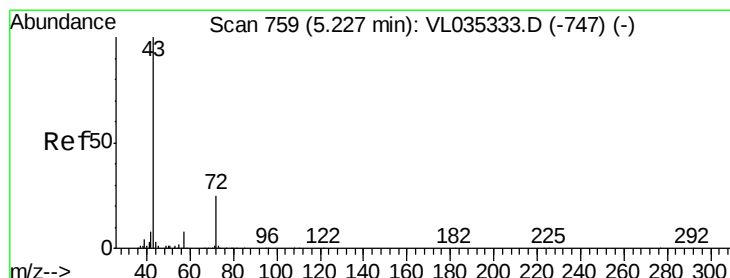
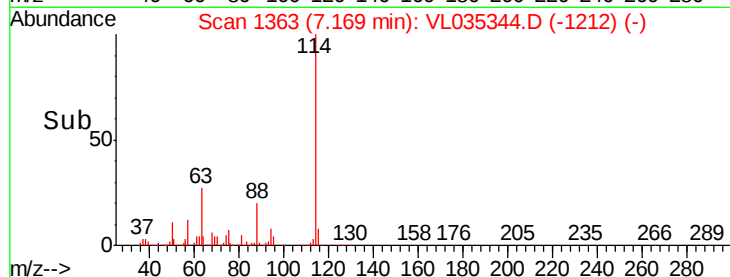
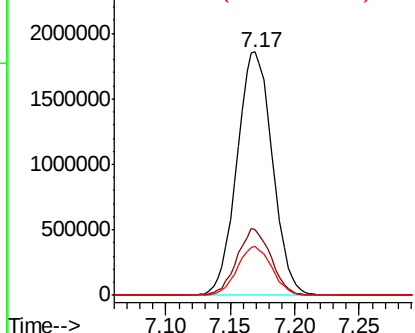
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.3	31.9
88	19.5	15.3	22.9

Manual Integrations
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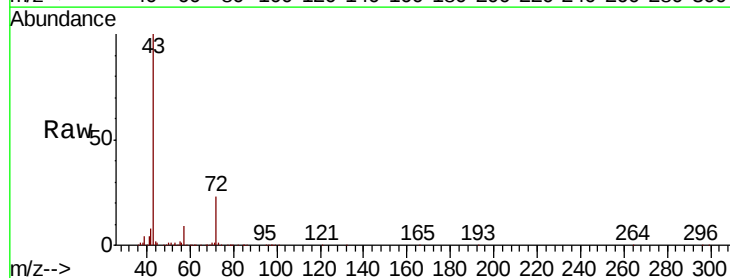


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

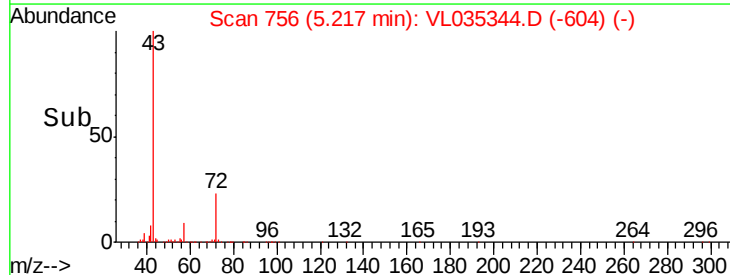
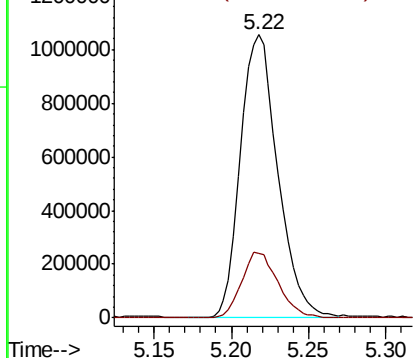


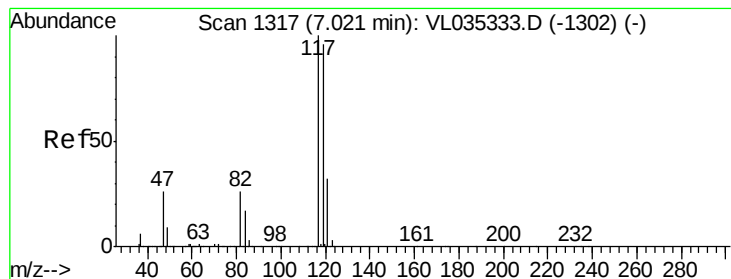
#34
 2-Butanone
 Concen: 10.141 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.9	28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.047 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 117 Resp: 2212083

Ion Ratio Lower Upper

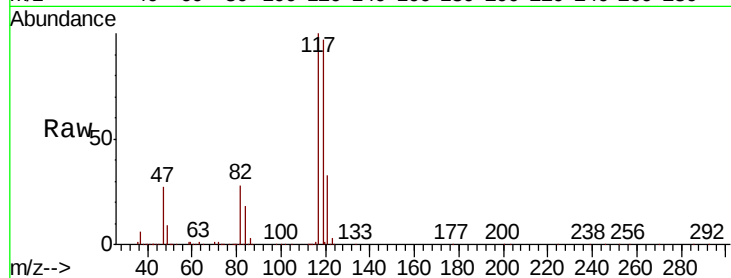
117 100

119 96.9 77.0 115.6

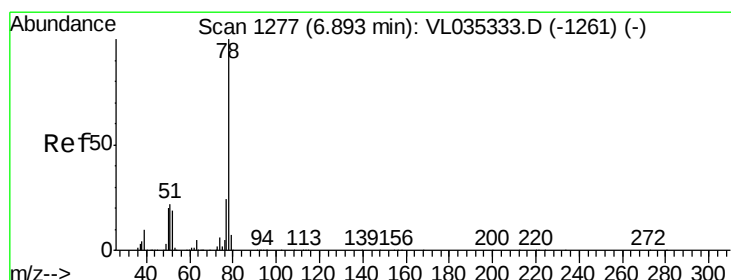
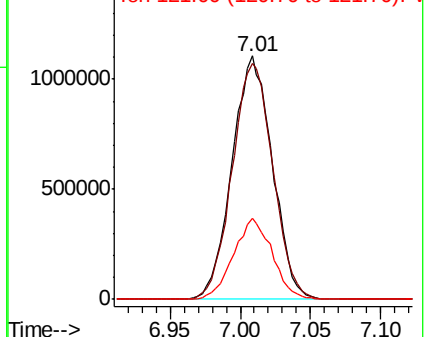
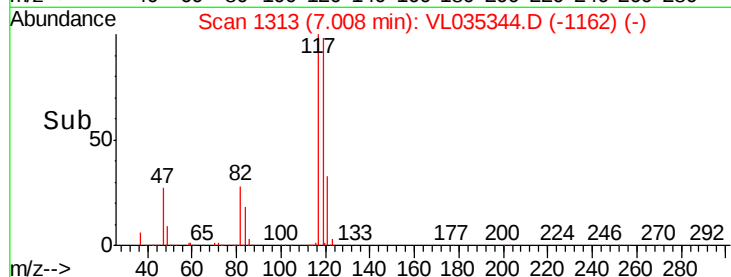
121 33.2 26.0 39.0

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Abundance Ion 117.00 (116.70 to 117.70): V
1500000
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.650 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

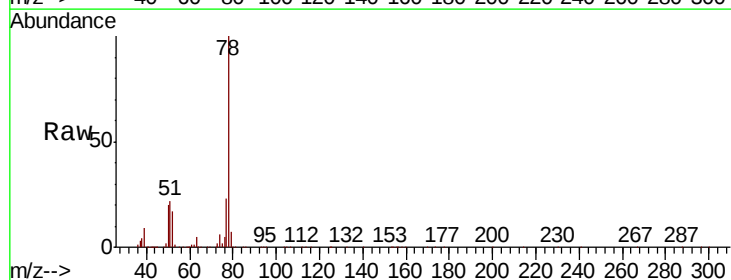
Tgt Ion: 78 Resp: 2555131

Ion Ratio Lower Upper

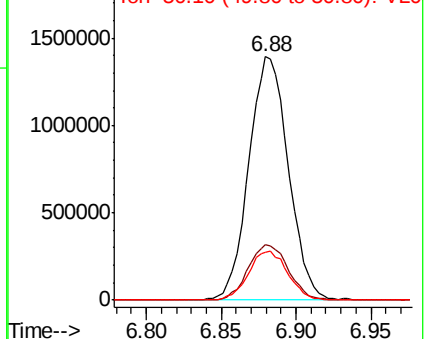
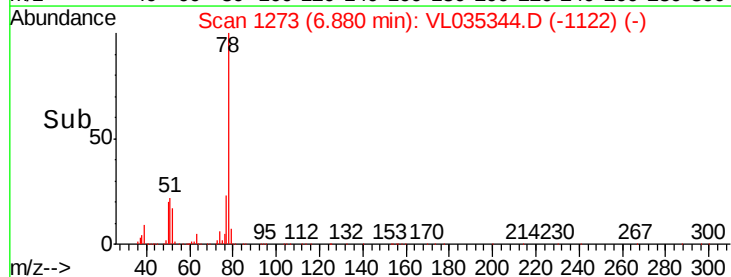
78 100

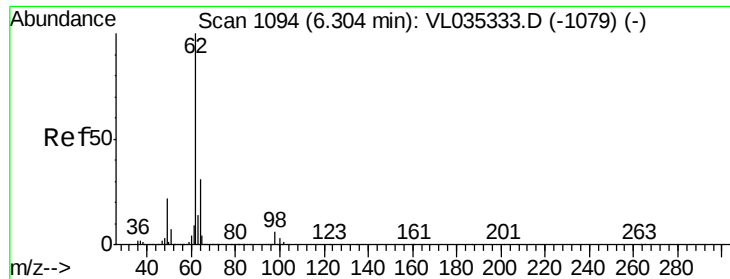
77 22.5 19.3 28.9

50 19.7 16.3 24.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
1500000
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





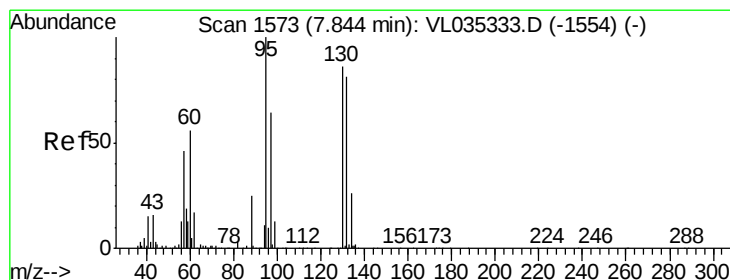
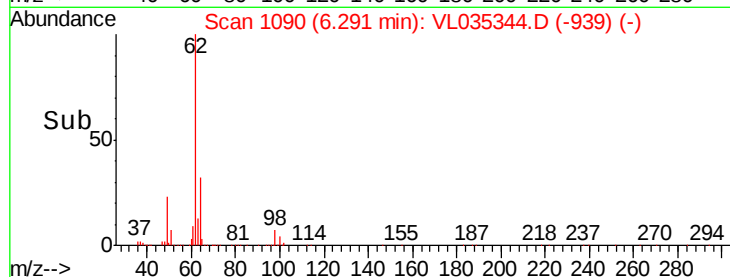
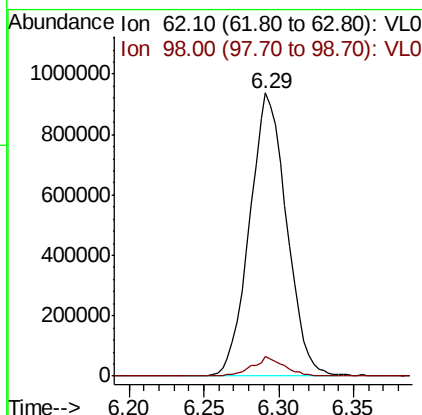
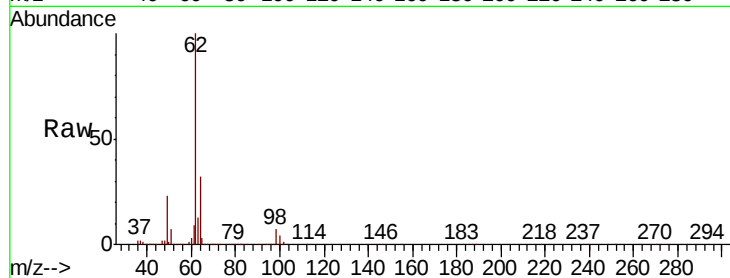
#37
 1,2-Dichloroethane
 Concen: 9.629 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion: 62 Resp: 1613934
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.6 7.0

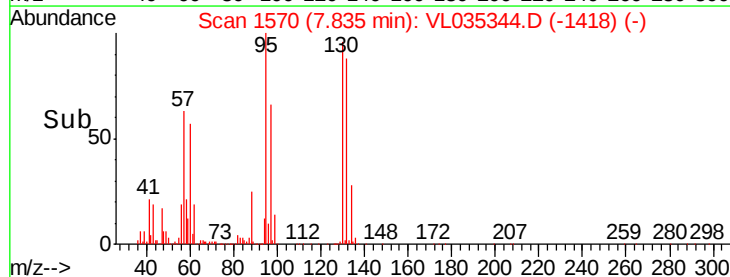
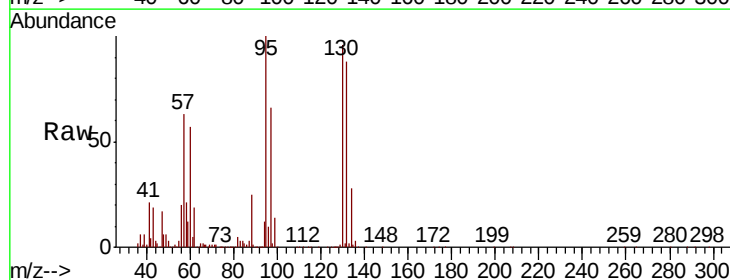
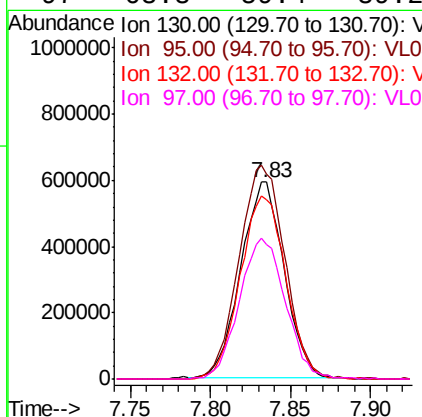
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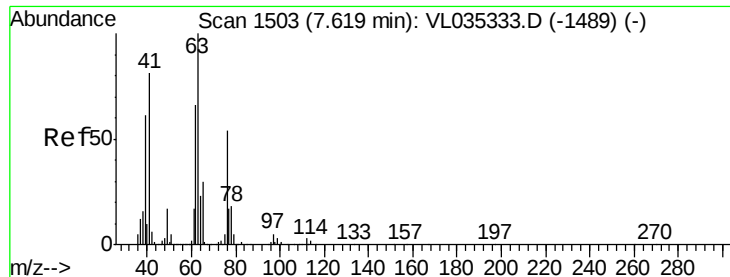
MMDadoda
 8/7/2020 12:53:30 PM



#38
 Trichloroethene
 Concen: 9.917 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion: 130 Resp: 1097540
 Ion Ratio Lower Upper
 130 100
 95 104.2 93.4 140.2
 132 91.3 76.1 114.1
 97 68.8 59.4 89.2





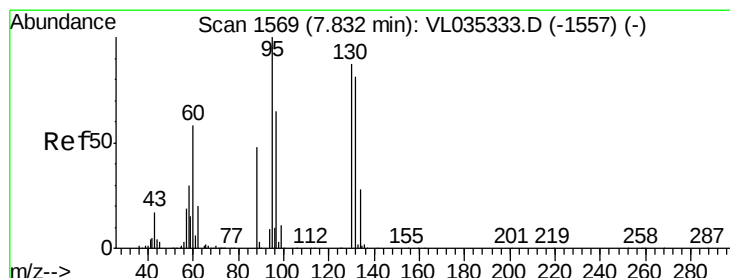
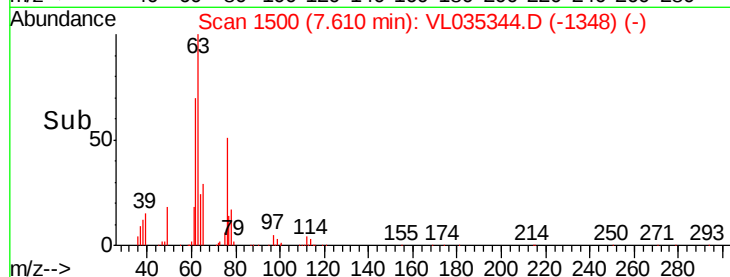
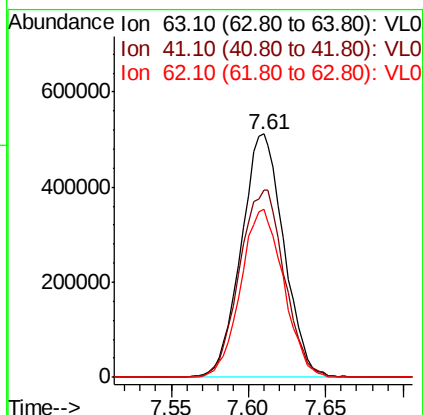
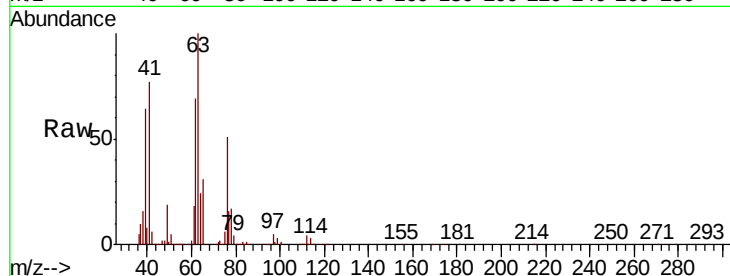
#39
 1,2-Dichloropropane
 Concen: 10.083 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	979392		
41	76.9		64.4	96.6
62	69.1		52.6	78.8

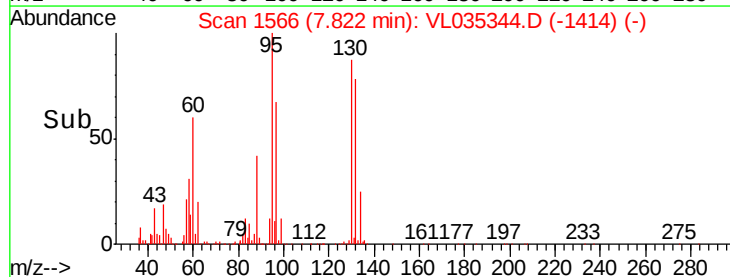
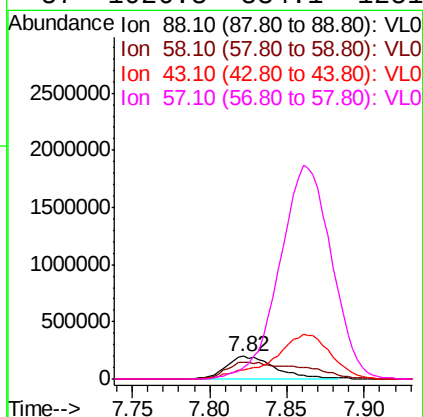
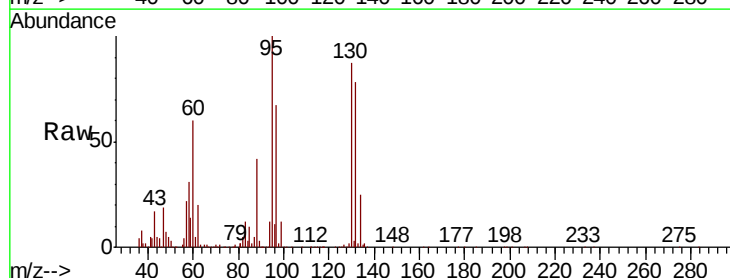
Manual Integrations
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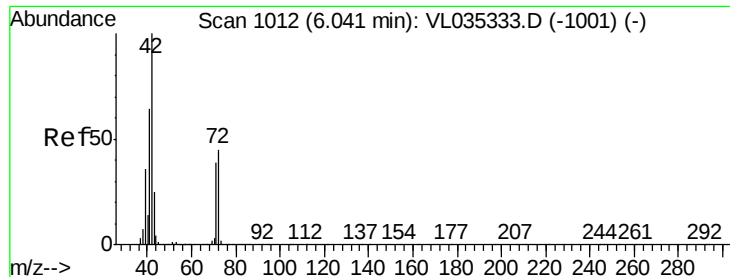
MMDadoda
 8/7/2020 12:53:30 PM



#40
 1,4-Dioxane
 Concen: 10.263 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	426891		
58	122.7		96.7	145.1
43	238.4		190.7	286.1
57	1026.3		834.1	1251.1





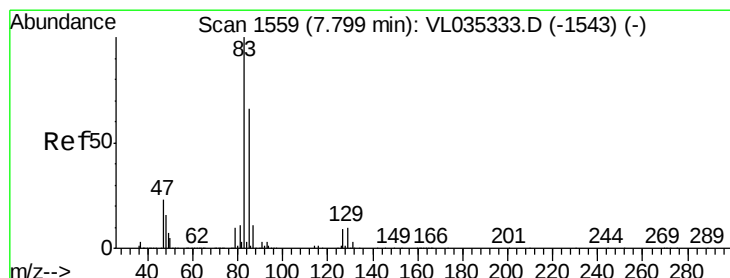
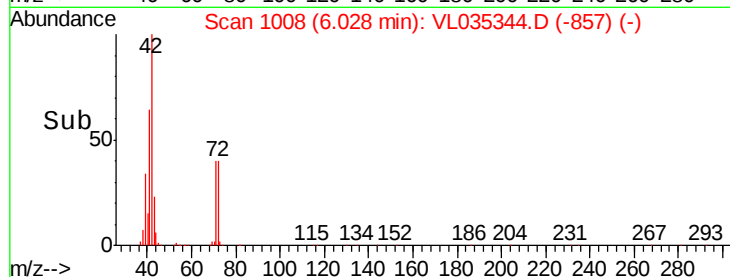
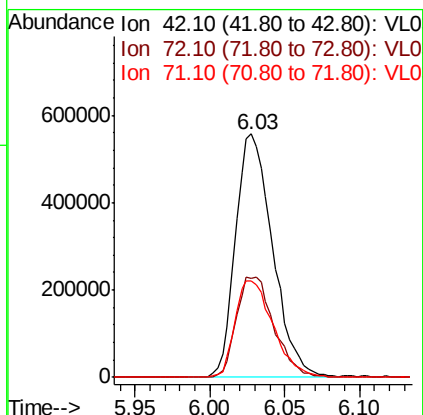
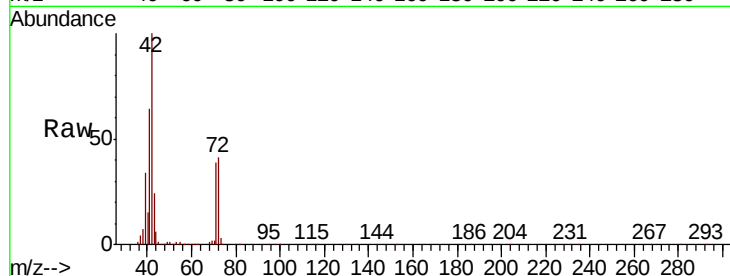
#41
Tetrahydrofuran
Concen: 11.212 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	40.8	33.1	49.7

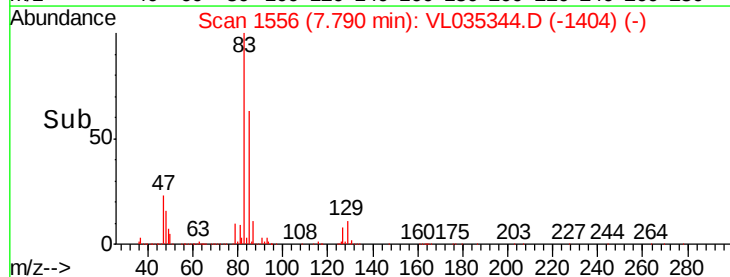
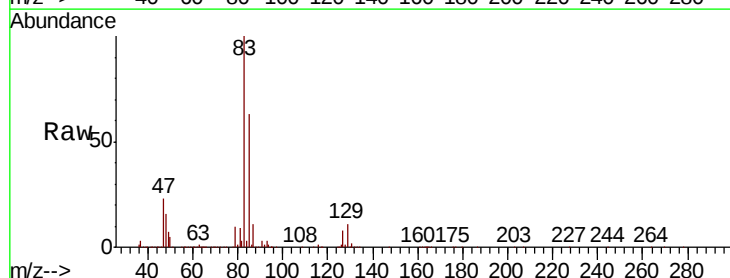
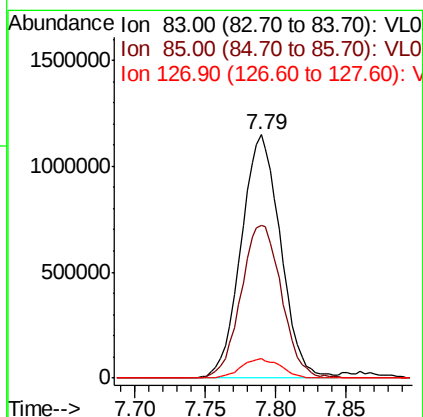
Manual Integrations
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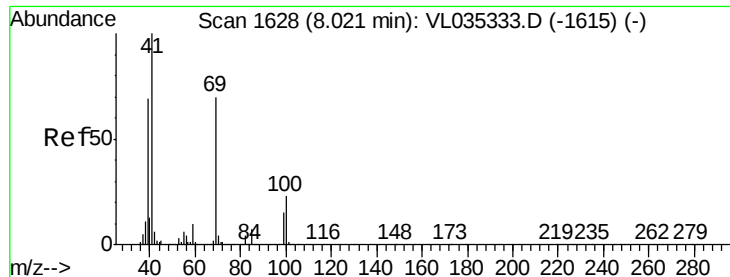
MMDadoda
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#42
Bromodichloromethane
Concen: 9.996 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.1	79.7
127	8.2	6.8	10.2





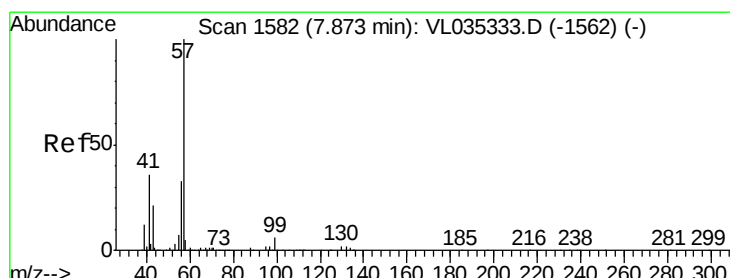
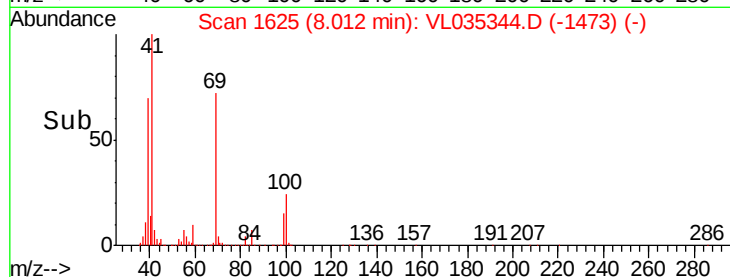
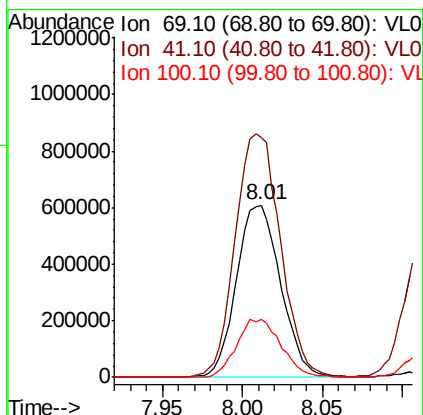
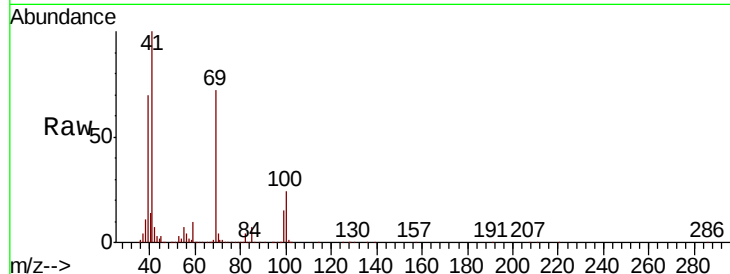
#43
Methvl Methacrilate
Concen: 11.370 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 69 Resp: 1147632
Ion Ratio Lower Upper
69 100
41 144.7 115.8 173.6
100 34.1 26.7 40.1

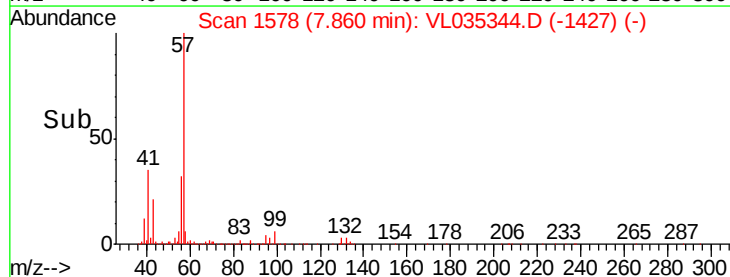
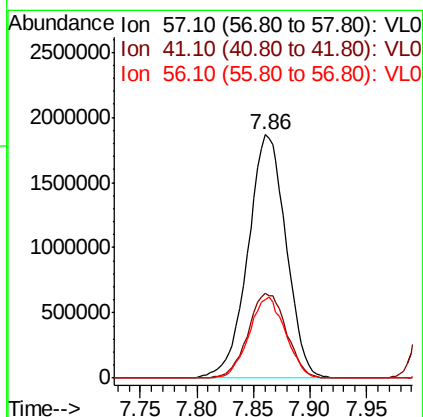
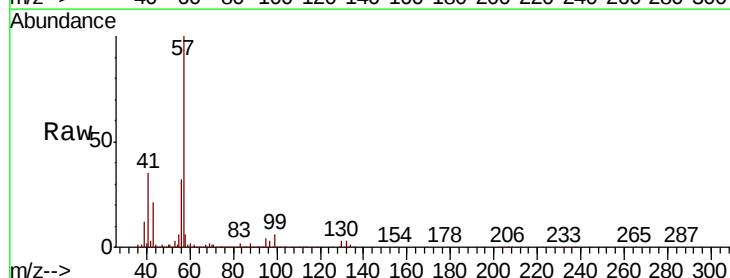
Manual Integrations
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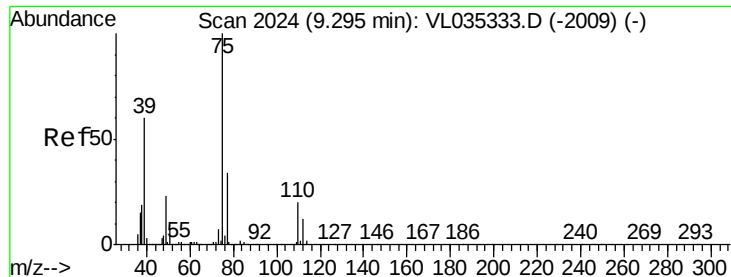
MMDadoda
8/7/2020 12:53:30 PM



#44
2,2,4-Trimethylpentane
Concen: 10.244 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 57 Resp: 4366636
Ion Ratio Lower Upper
57 100
41 35.2 27.9 41.9
56 31.9 25.4 38.0





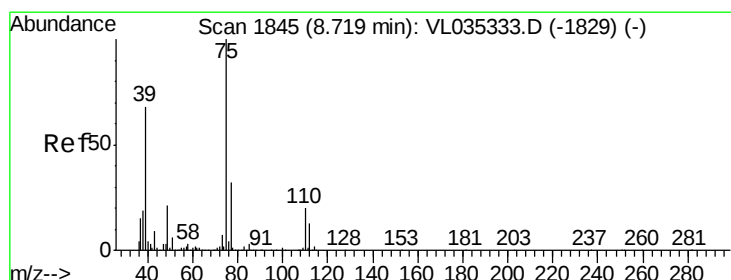
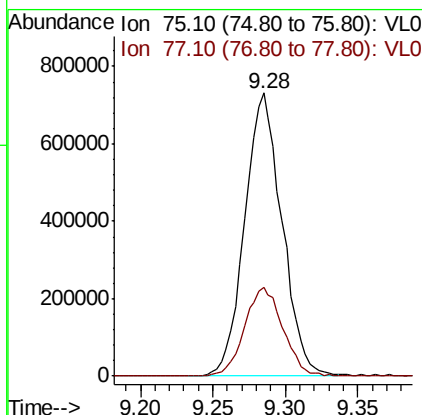
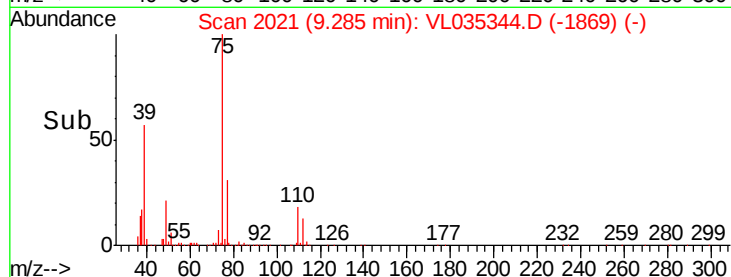
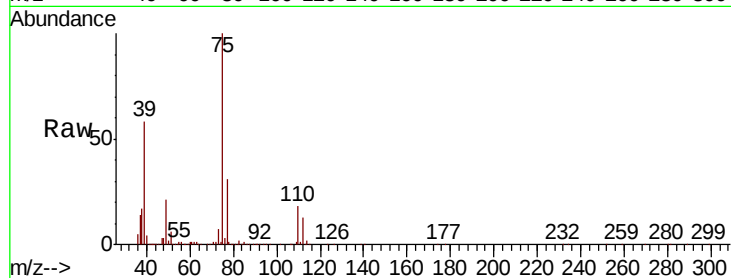
#45
t-1,3-Dichloropropene
Concen: 12.494 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 75 Resp: 1308186
Ion Ratio Lower Upper
75 100
77 31.3 27.0 40.6

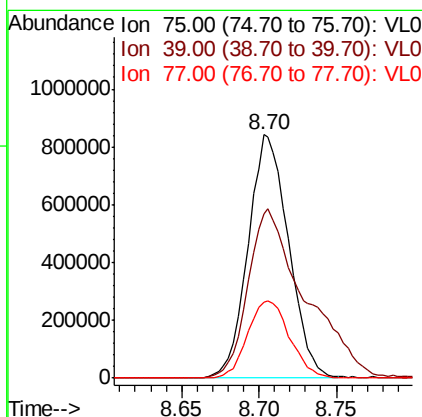
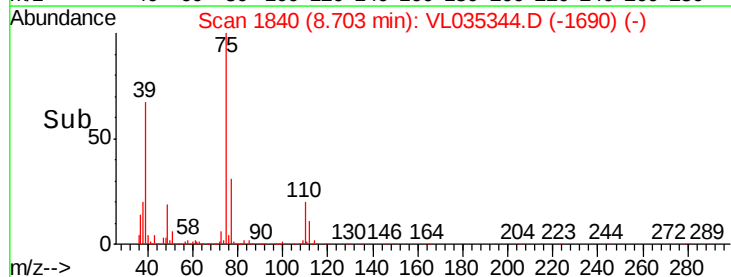
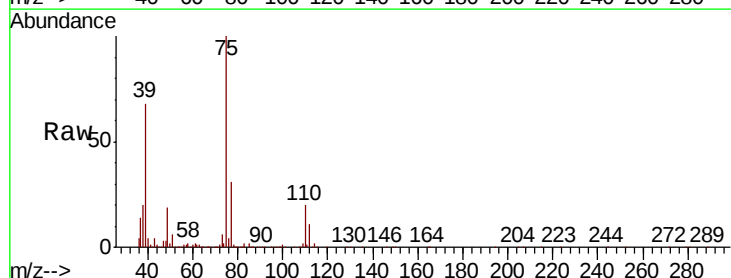
Manual Integrations
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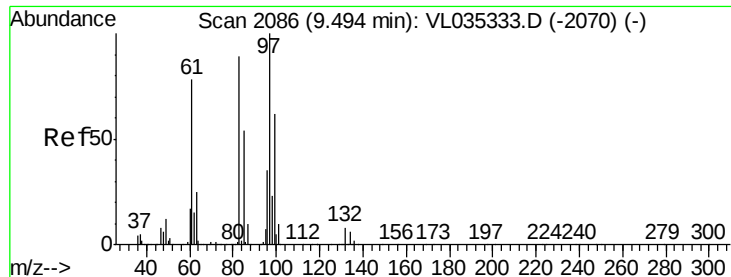
MMDadoda
8/7/2020 12:53:30 PM



#46
cis-1,3-Dichloropropene
Concen: 12.121 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 75 Resp: 1532757
Ion Ratio Lower Upper
75 100
39 67.5 54.2 81.2
77 31.2 25.4 38.2





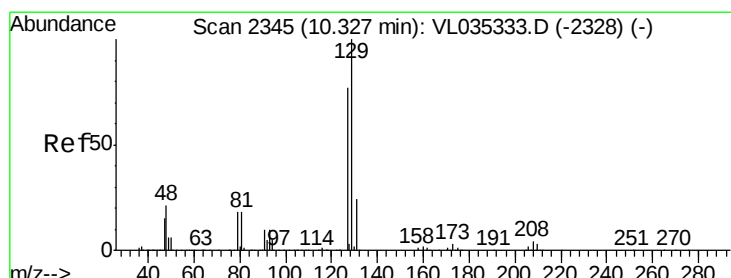
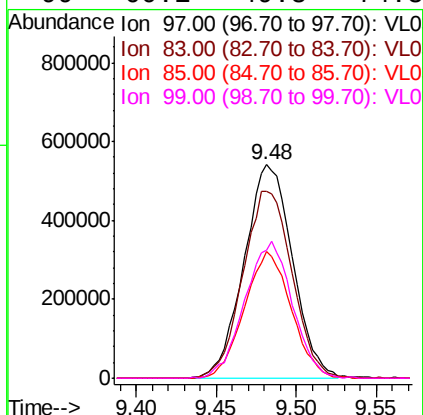
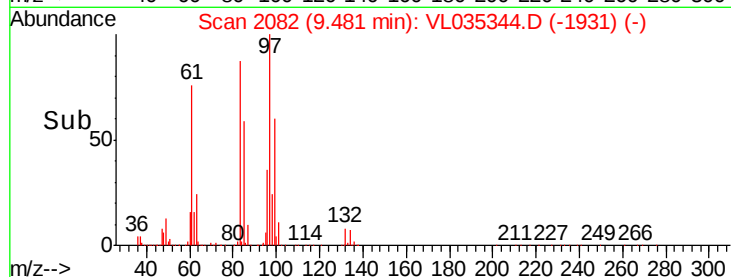
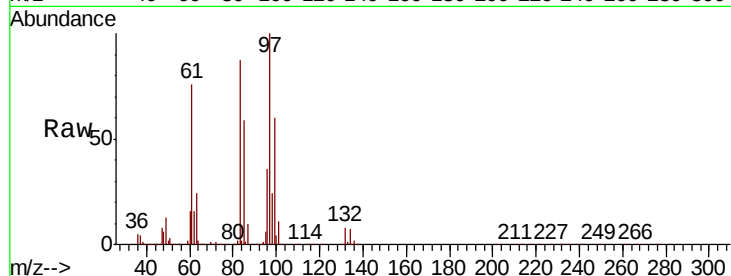
#47
 1,1,2-Trichloroethane
 Concen: 9.651 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.3	106.9
85	59.5	43.3	64.9
99	60.1	49.8	74.8

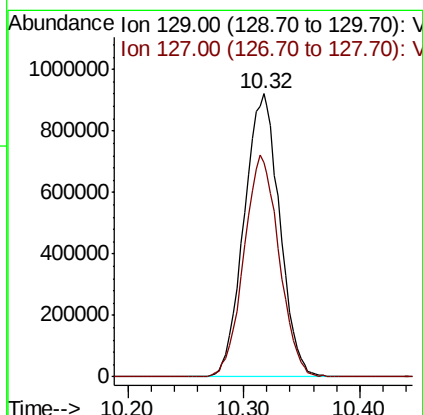
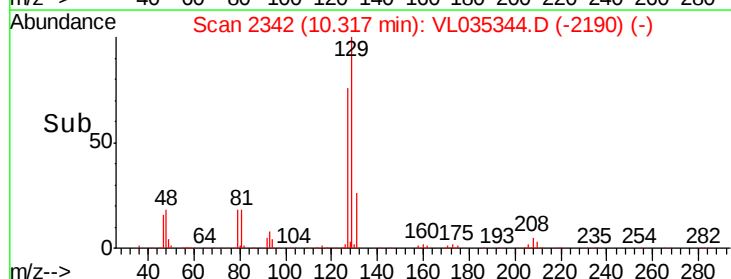
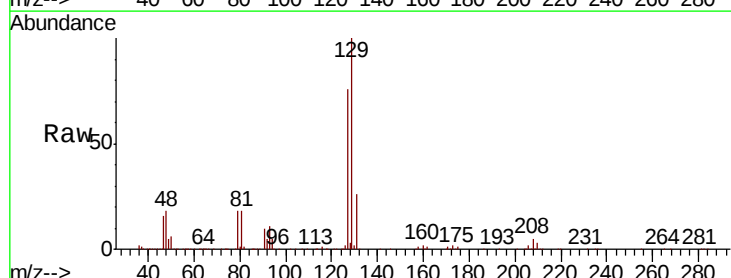
Manual Integrations
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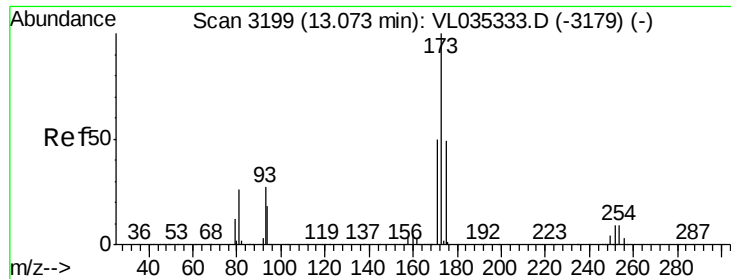
MMDadoda
 8/7/2020 12:53:30 PM



#48
 Dibromochloromethane
 Concen: 10.287 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.2





#49

Bromoform

Concen: 10.328 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:173 Resp: 1800404

Ion Ratio Lower Upper

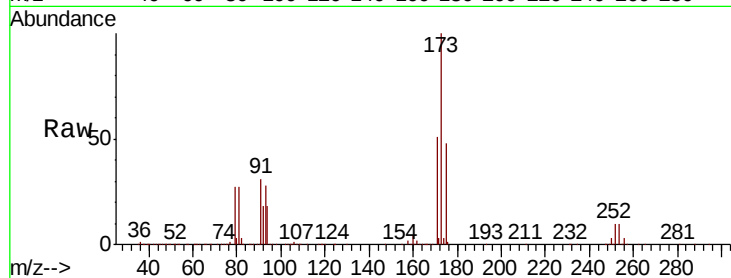
173 100

175 50.4 39.3 58.9

171 52.5 41.2 61.8

Manual Integrations
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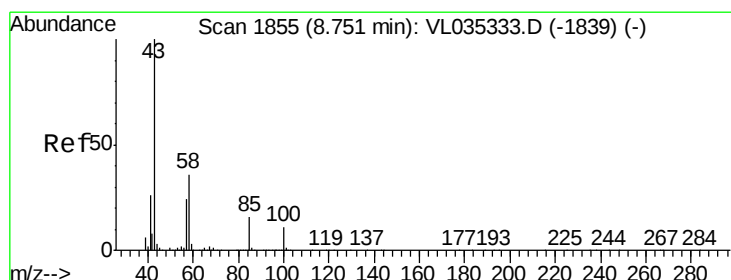
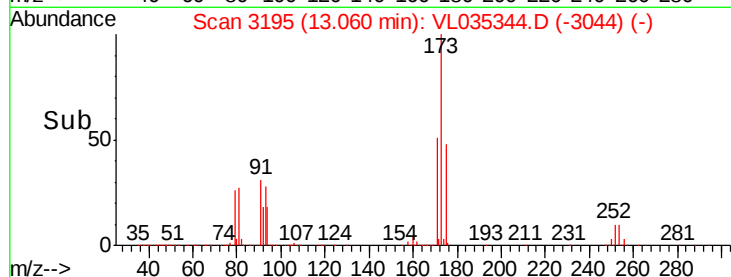
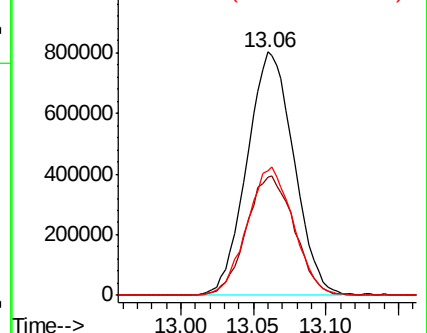
MMDadoda
8/7/2020 12:53:30 PM



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: 10.359 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL035344.D

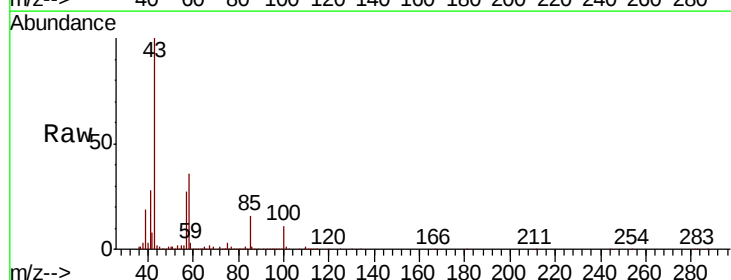
Acq: 6 Aug 2020 10:09

Tgt Ion: 43 Resp: 2766997

Ion Ratio Lower Upper

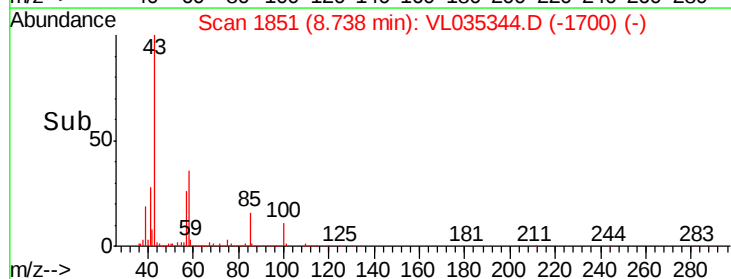
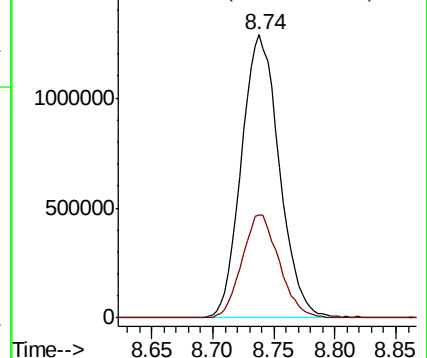
43 100

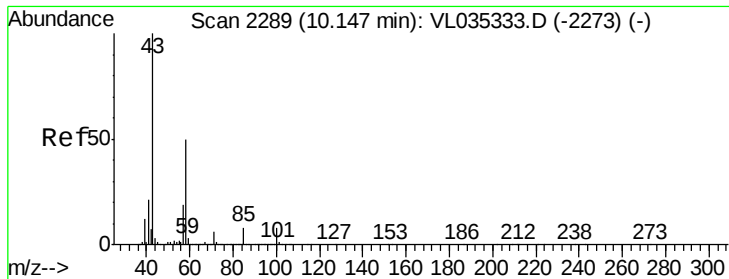
58 35.9 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





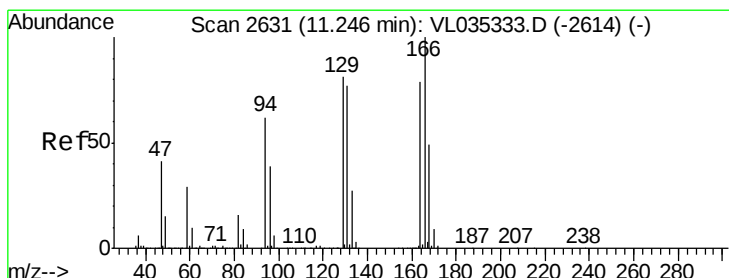
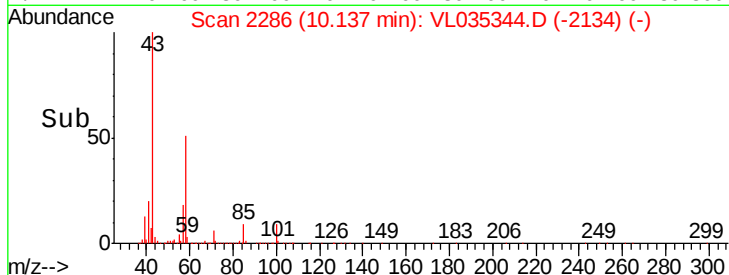
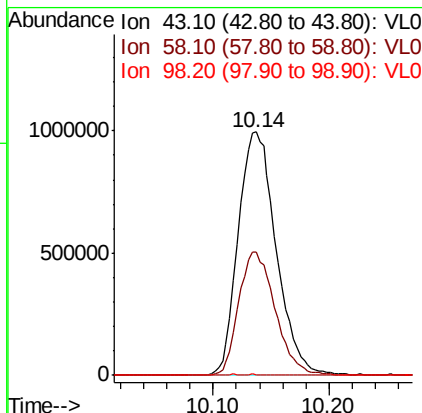
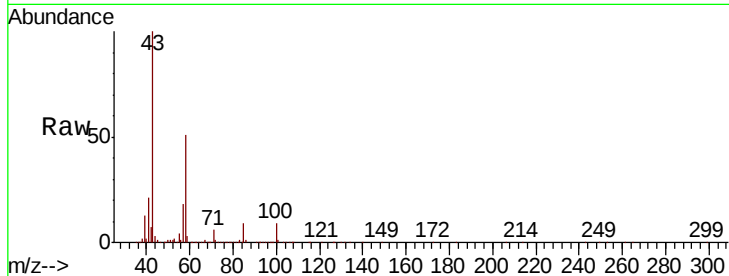
#51
2-Hexanone
Concen: 10.802 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 43 Resp: 2261946
Ion Ratio Lower Upper
43 100
58 48.8 39.4 59.2
98 0.6 0.2 0.4#

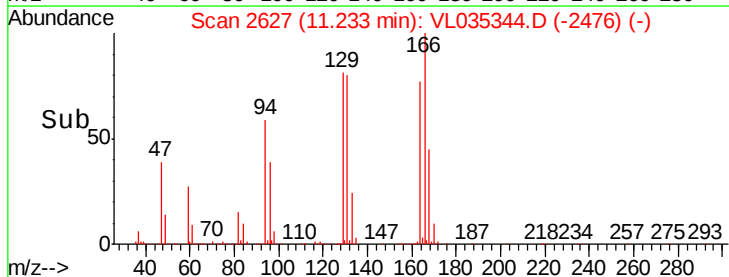
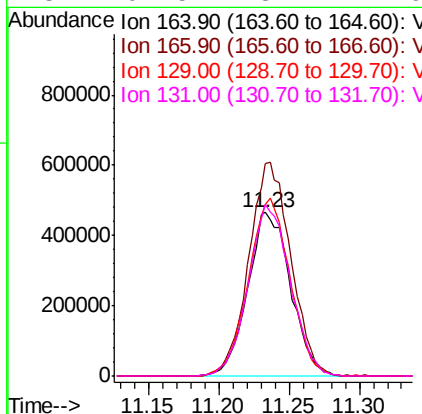
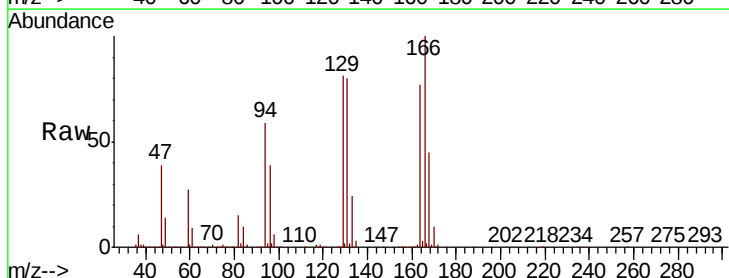
Manual Integrations
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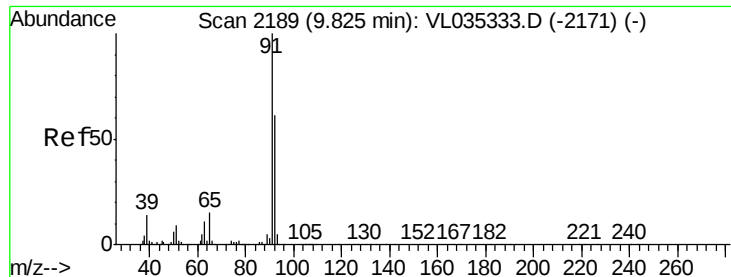
MMDadoda
8/7/2020 12:53:30 PM



#52
Tetrachloroethene
Concen: 10.357 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 164 Resp: 985185
Ion Ratio Lower Upper
164 100
166 130.0 101.4 152.0
129 105.0 82.1 123.1
131 104.5 78.4 117.6





#53

Toluene

Concen: 11.553 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 91 Resp: 3015246

Ion Ratio Lower Upper

91 100

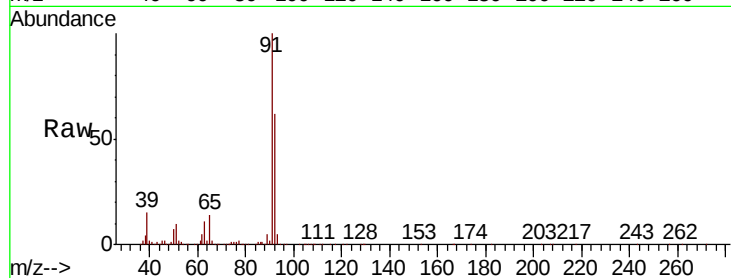
92 61.4 48.5 72.7

Manual Integrations

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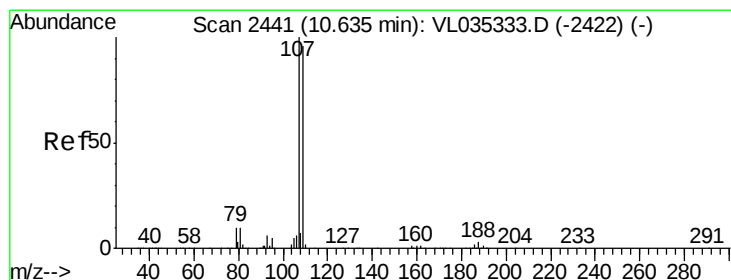
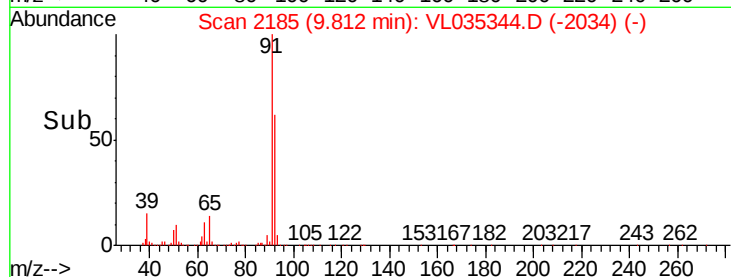
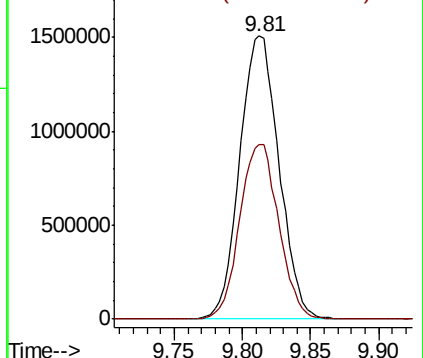
MMDadoda

8/7/2020 12:53:30 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.366 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035344.D

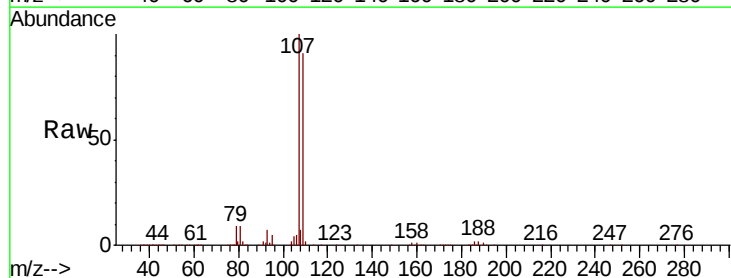
Acq: 6 Aug 2020 10:09

Tgt Ion:107 Resp: 1736816

Ion Ratio Lower Upper

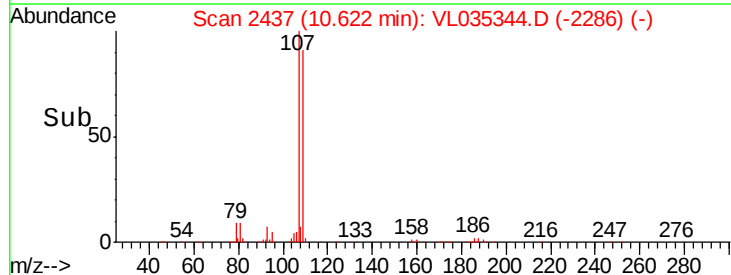
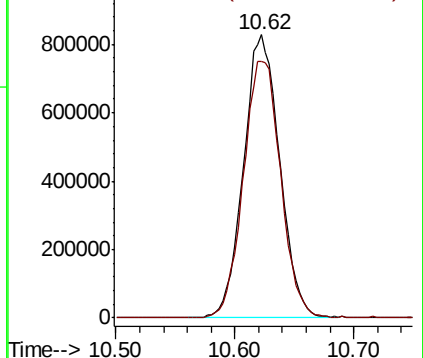
107 100

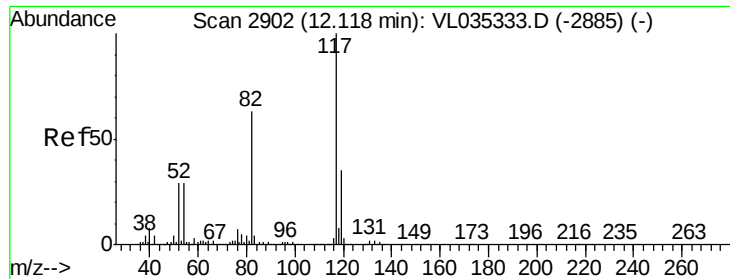
109 90.5 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





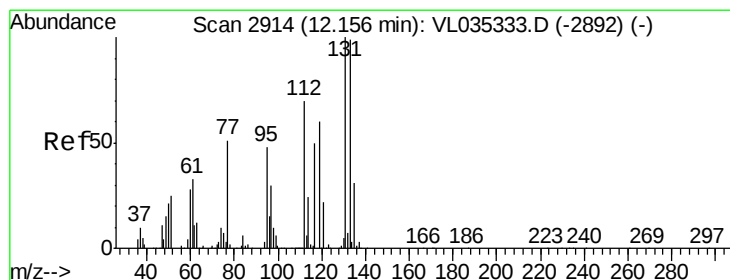
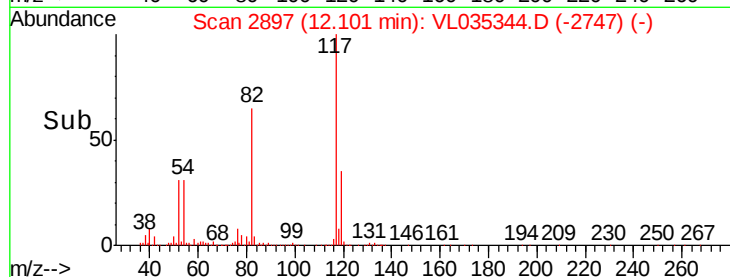
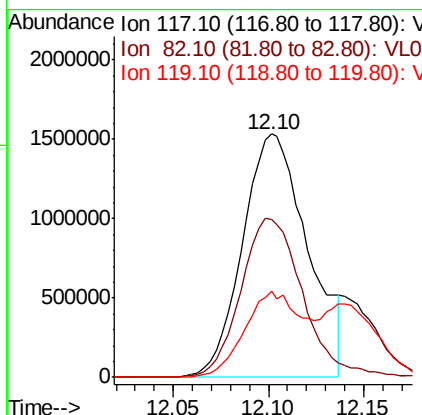
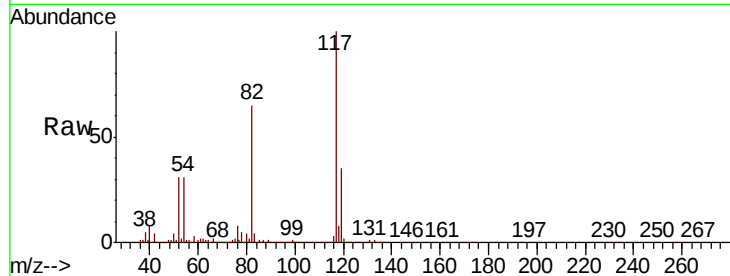
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.0	76.4
119	33.4	24.7	37.1

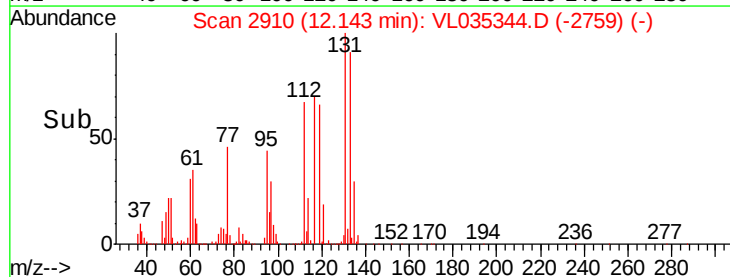
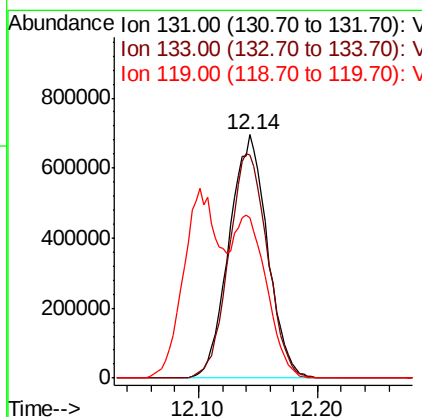
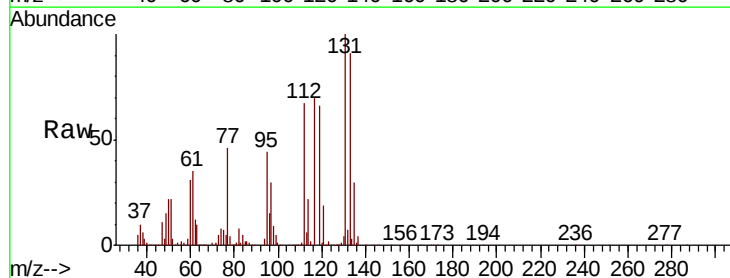
Manual Integrations
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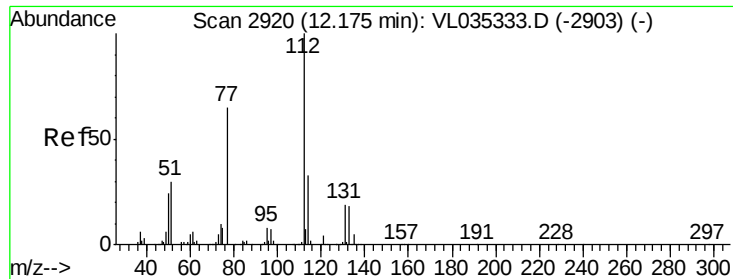
MMDadoda
8/7/2020 12:53:30 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.006 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	75.4	113.2
119	59.9	43.7	65.5





#57

Chlorobenzene

Concen: 9.119 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 112 Resp: 2501980

Ion Ratio Lower Upper

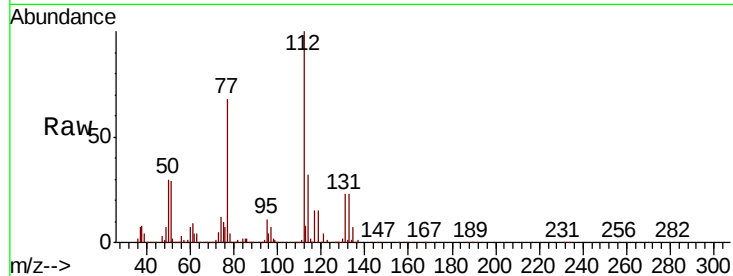
112 100

77 67.6 53.3 79.9

114 31.5 29.8 36.4

Manual Integrations
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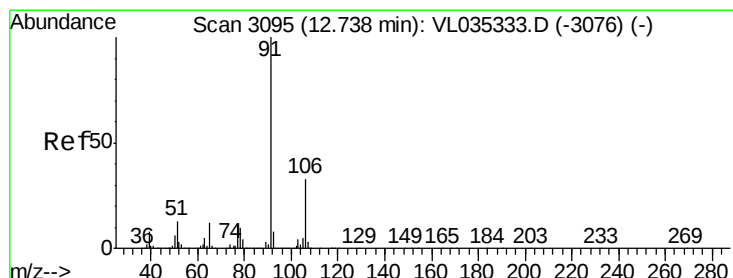
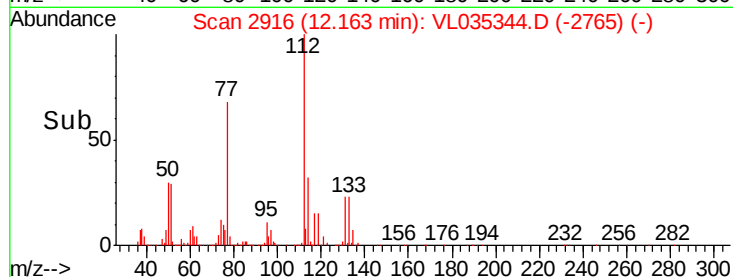
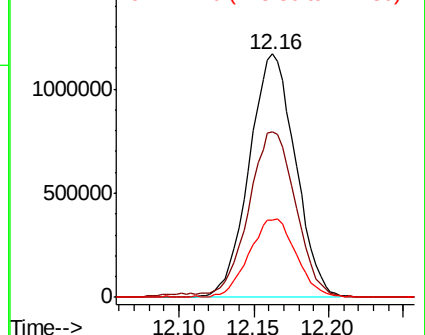
MMDadoda
8/7/2020 12:53:30 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.959 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL035344.D

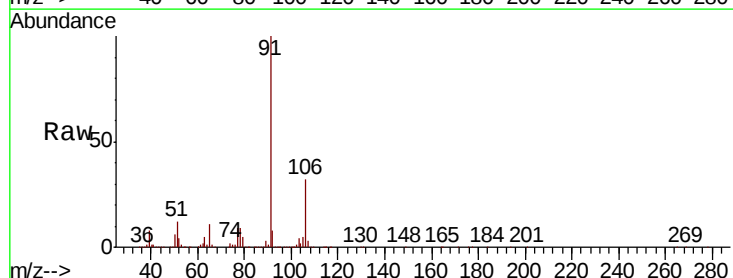
Acq: 6 Aug 2020 10:09

Tgt Ion: 91 Resp: 4155241

Ion Ratio Lower Upper

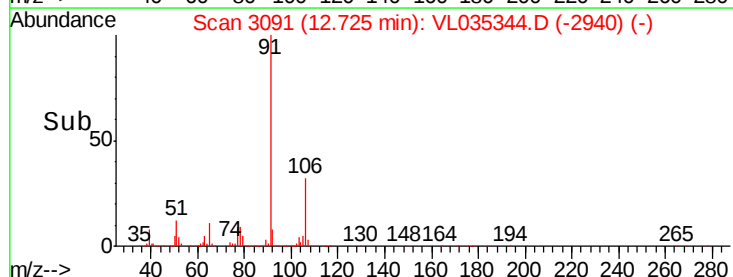
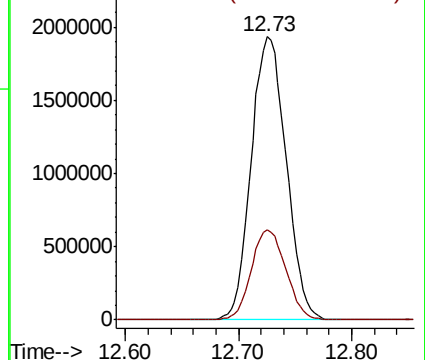
91 100

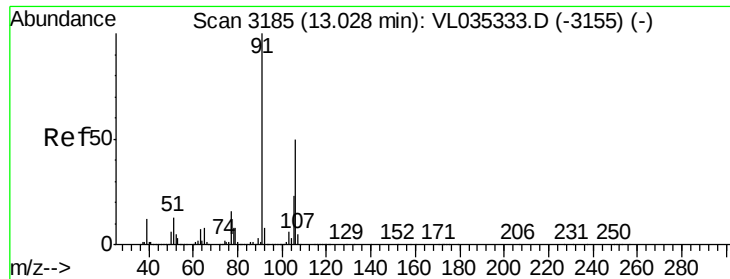
106 31.8 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





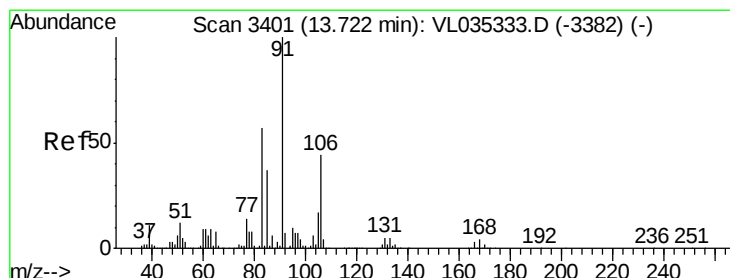
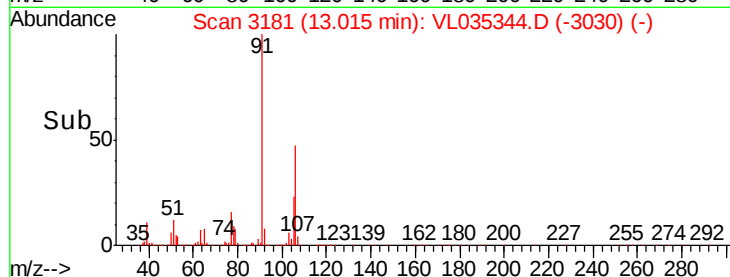
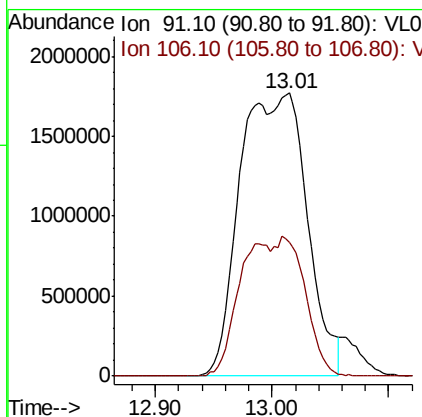
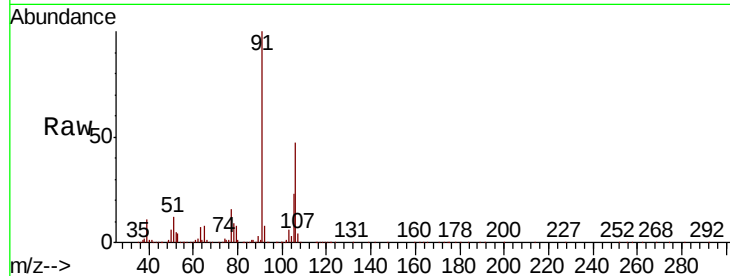
#59
m/p-Xylene
Concen: 20.092 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 91 Resp: 7094053
Ion Ratio Lower Upper
91 100
106 46.7 37.8 56.8

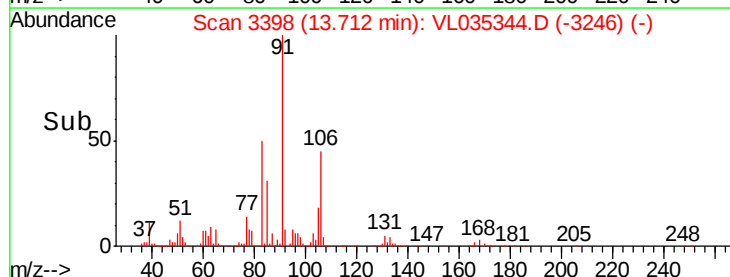
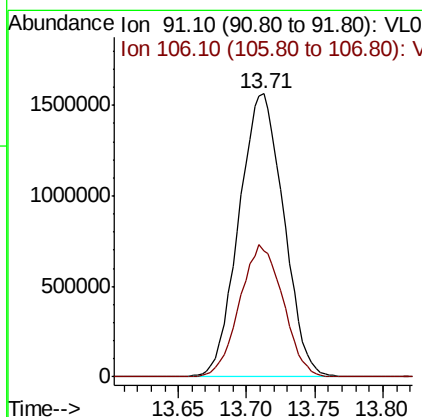
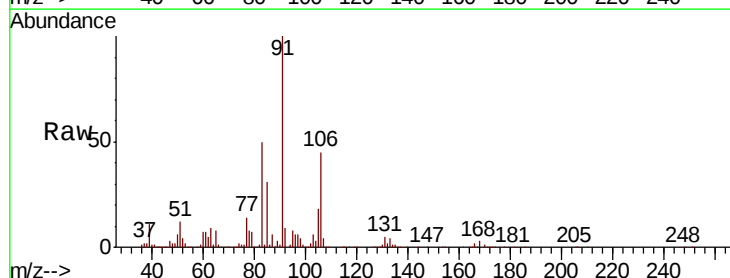
Manual Integrations
APPROVED

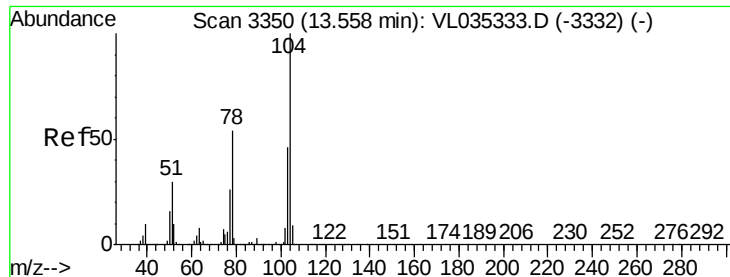
MMDadoda
8/7/2020 12:53:30 PM



#60
o-Xylene
Concen: 10.138 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 91 Resp: 3552246
Ion Ratio Lower Upper
91 100
106 45.5 22.7 68.0





#61

Stvrene

Concen: 11.908 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:104 Resp: 2548138

Ion Ratio Lower Upper

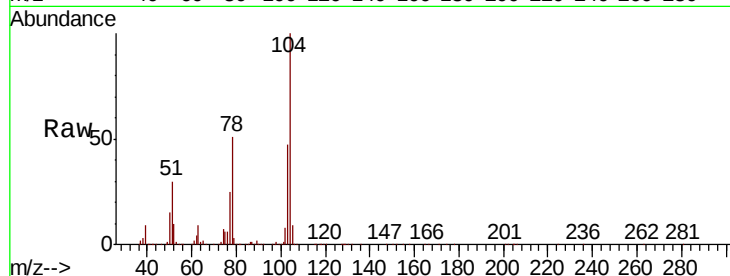
104 100

78 52.8 42.6 63.8

103 48.0 38.1 57.1

Manual Integrations
APPROVED

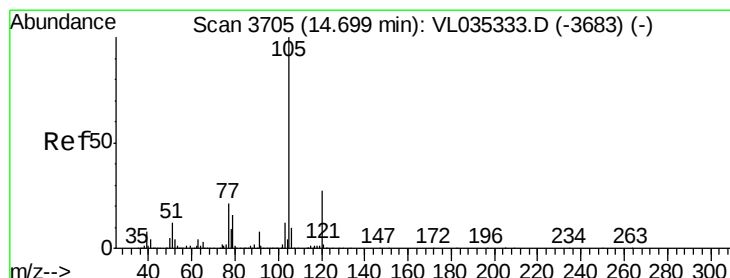
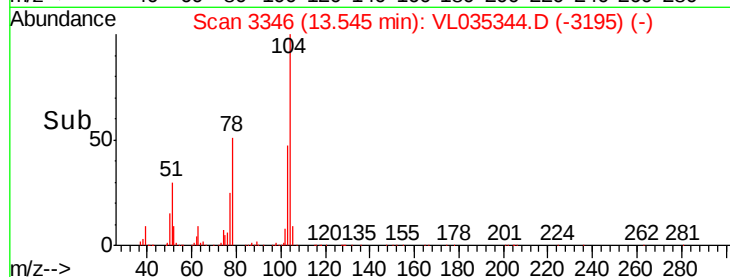
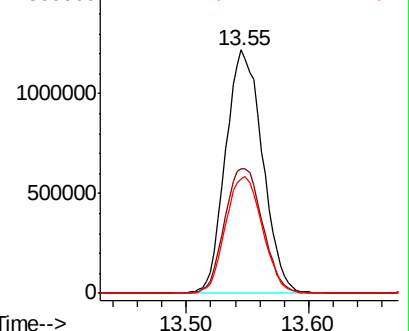
MMDadoda
8/7/2020 12:53:30 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.936 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL035344.D

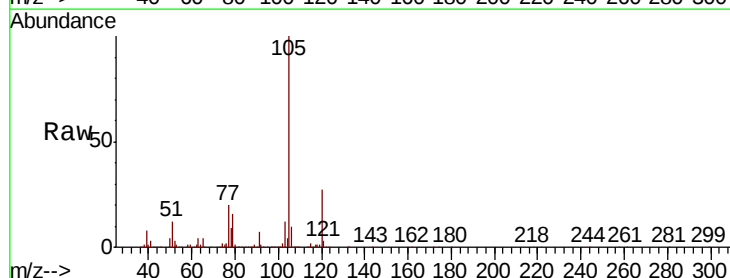
Acq: 6 Aug 2020 10:09

Tgt Ion:105 Resp: 5241906

Ion Ratio Lower Upper

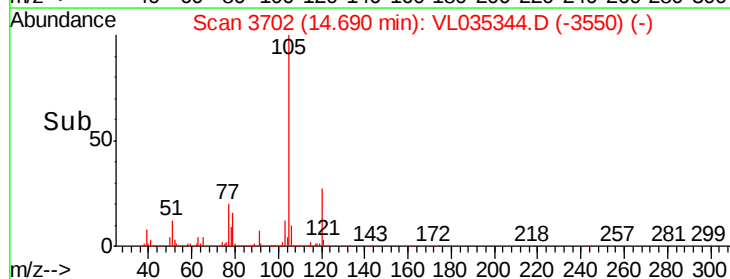
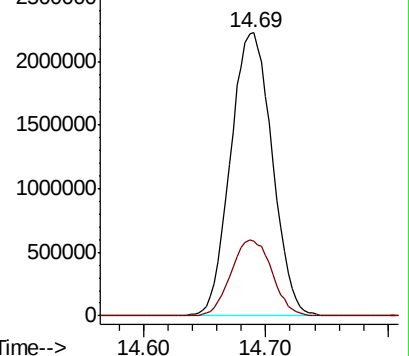
105 100

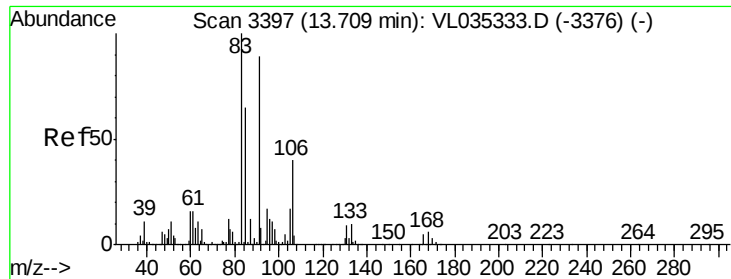
120 26.5 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





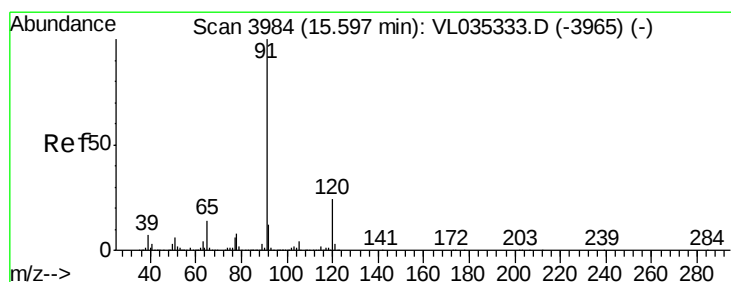
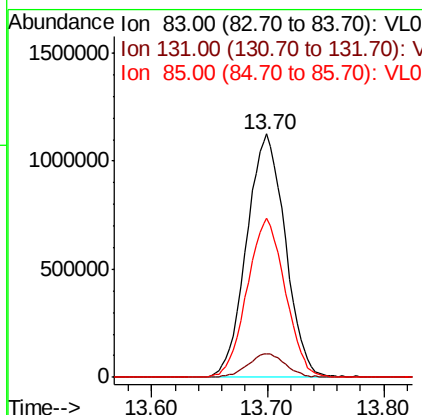
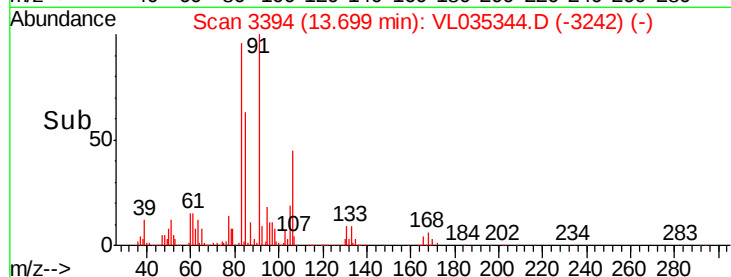
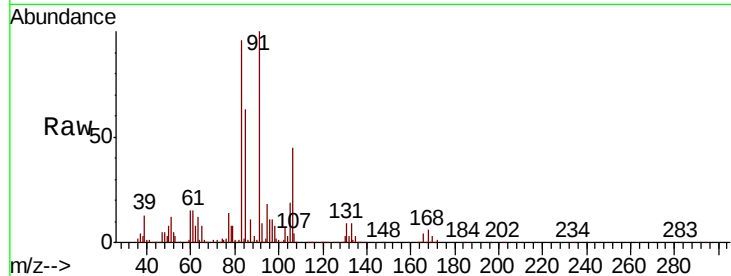
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.723 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.6	32.6	98.0

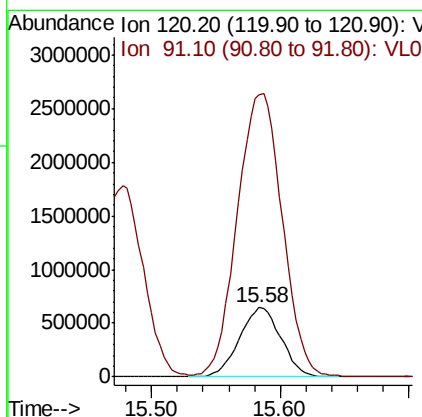
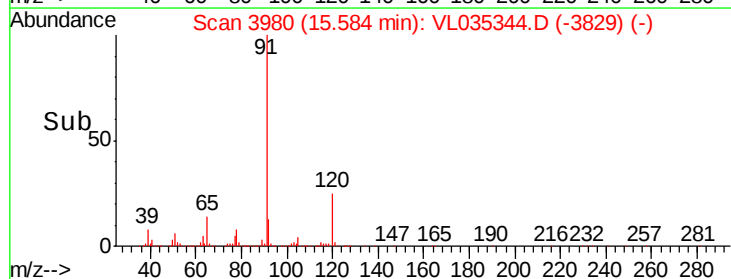
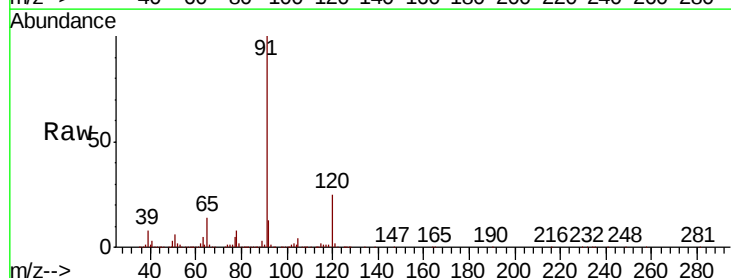
Manual Integrations
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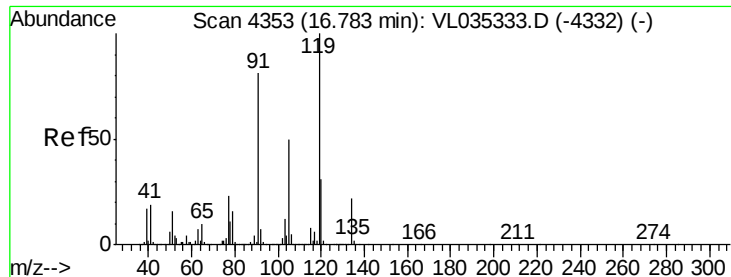
MMDadoda
 8/7/2020 12:53:30 PM



#64
 n-propylbenzene
 Concen: 10.201 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
120	100		
91	444.0	357.2	535.8





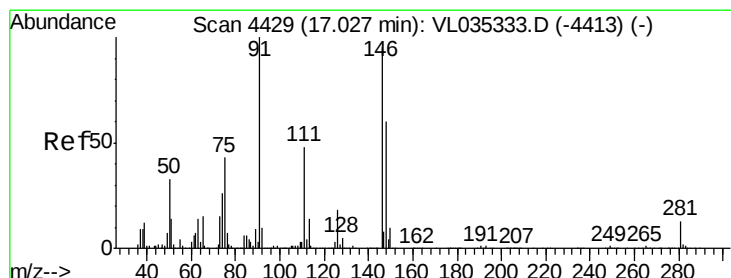
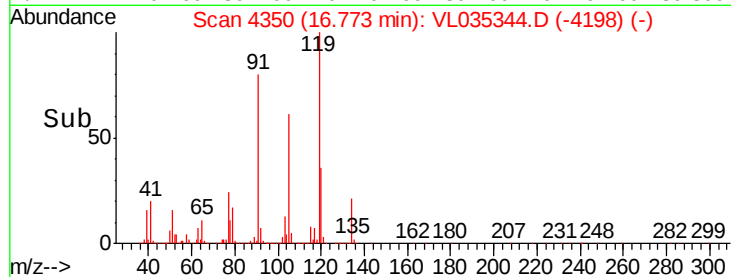
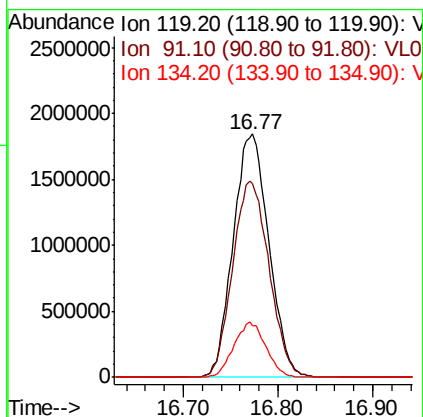
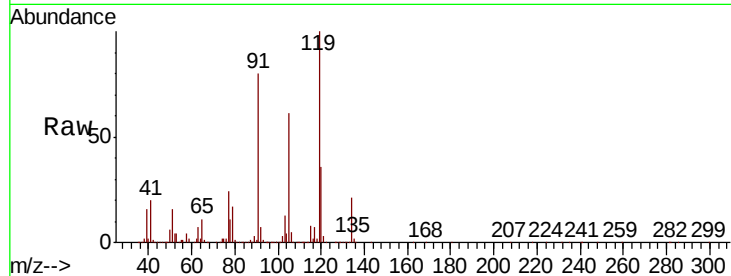
#65
tert-Butylbenzene
Concen: 10.011 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.3	66.3	99.5
134	20.4	16.2	24.2

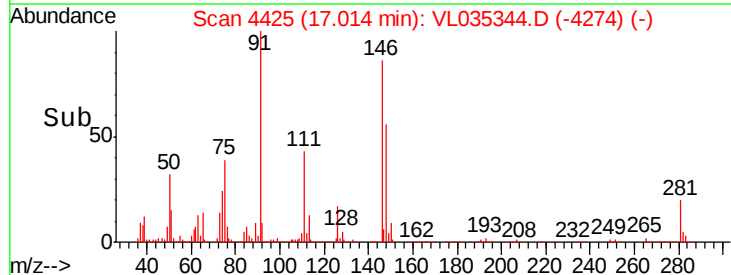
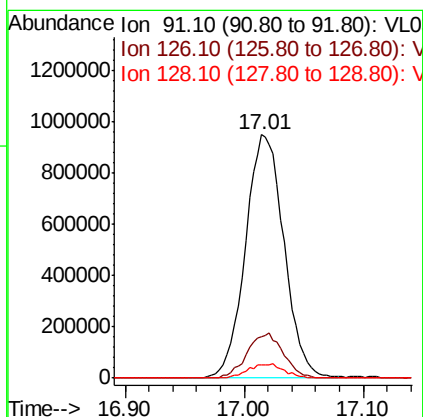
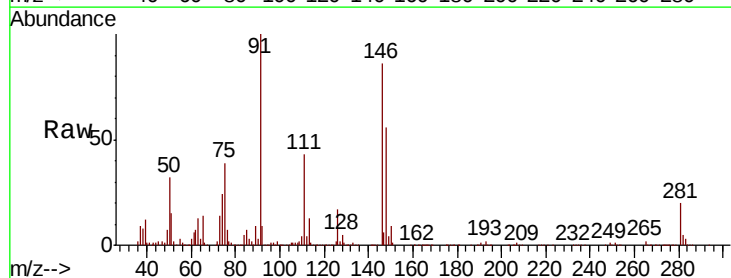
Manual Integrations
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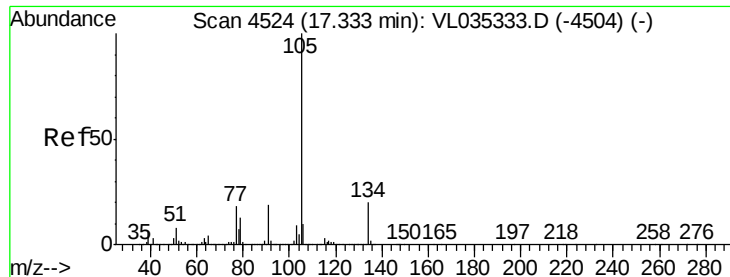
MMDadoda
8/7/2020 12:53:30 PM



#66
Benzyl Chloride
Concen: 11.116 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.6	14.1	21.1
128	5.6	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.819 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 105 Resp: 6709331

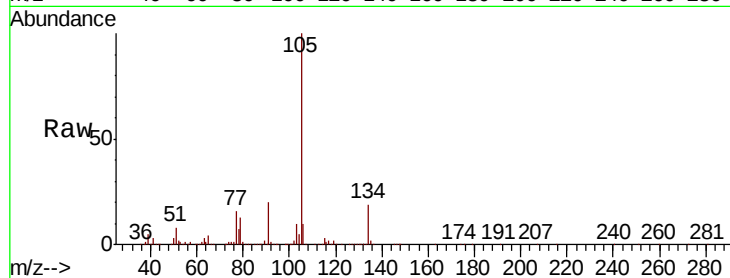
Ion Ratio Lower Upper

105 100

134 18.8 15.4 23.2

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.32

2500000

2000000

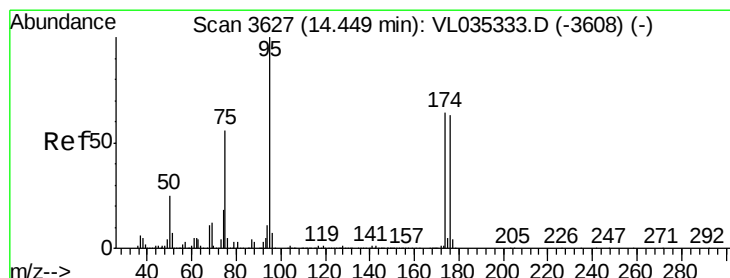
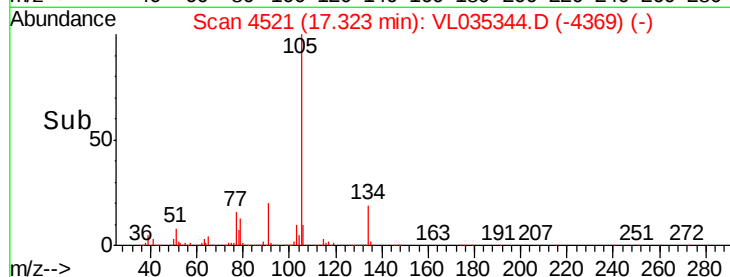
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.567 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

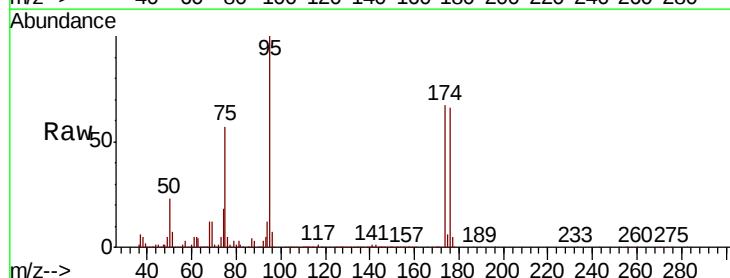
Tgt Ion: 95 Resp: 2907340

Ion Ratio Lower Upper

95 100

174 66.9 53.5 80.3

175 5.1 4.2 6.2



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.44

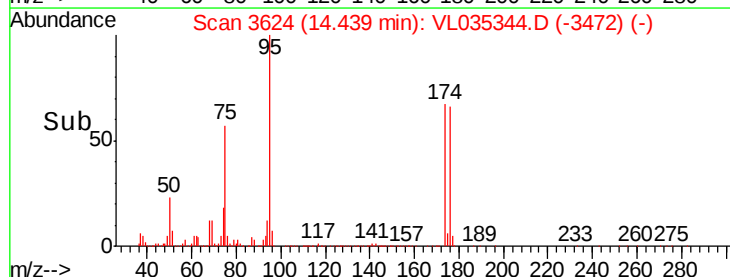
1500000

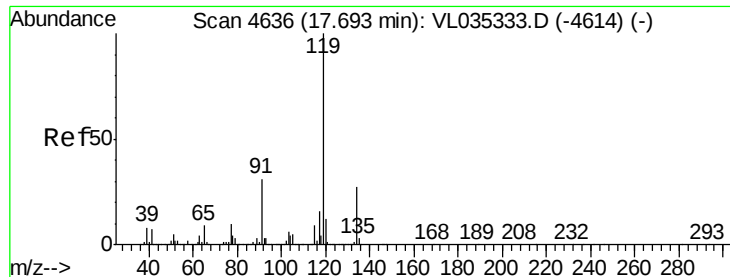
1000000

500000

0

Time-->





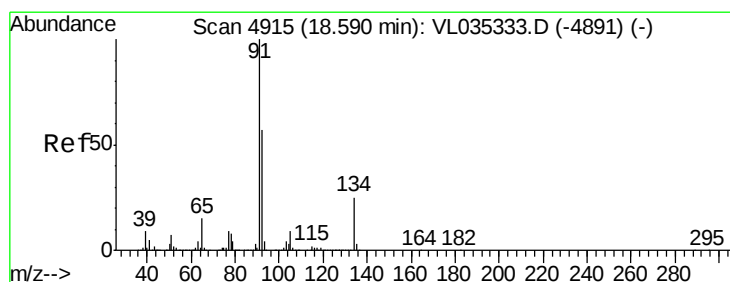
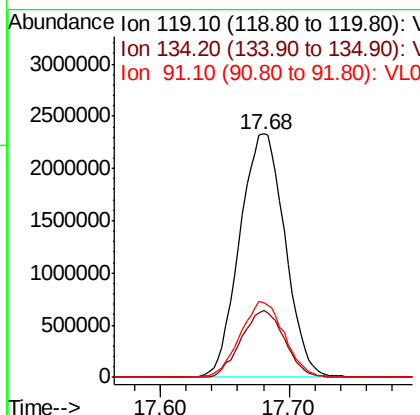
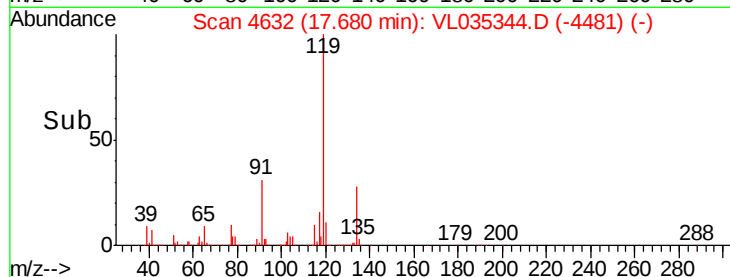
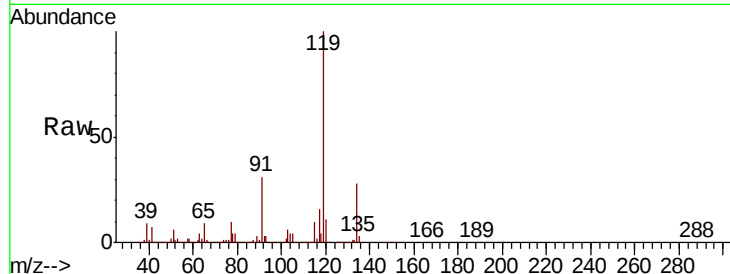
#69
 p-Isopropyltoluene
 Concen: 10.193 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.1	31.7
91	30.6	24.5	36.7

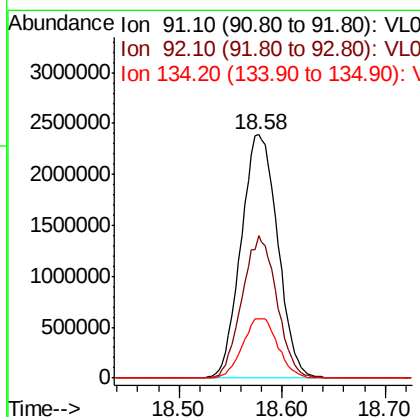
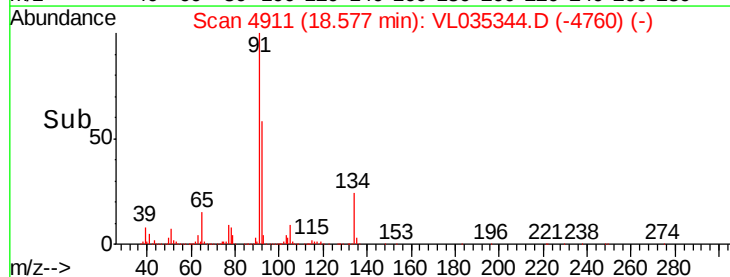
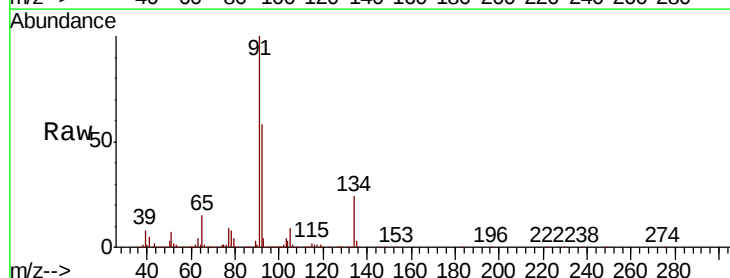
Manual Integrations
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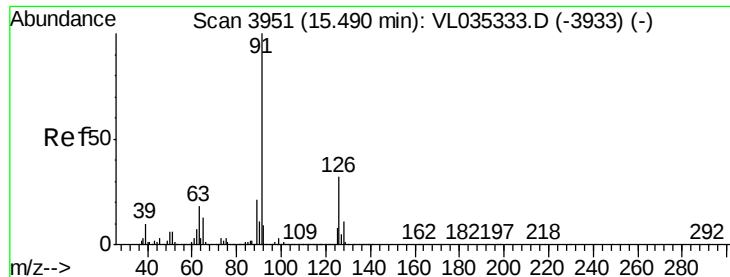
MMDadoda
 8/7/2020 12:53:30 PM



#70
 n-Butylbenzene
 Concen: 9.903 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.2	66.2
134	23.7	19.0	28.6





#71

2-Chlorotoluene

Concen: 10.487 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 91 Resp: 4052527

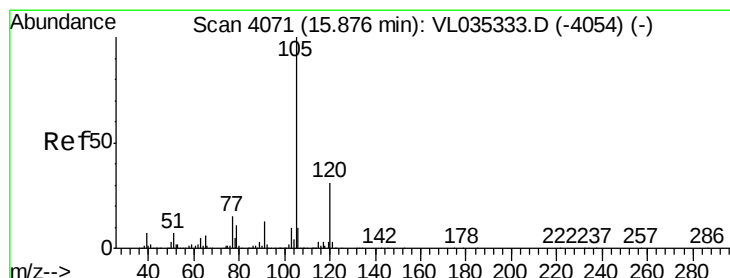
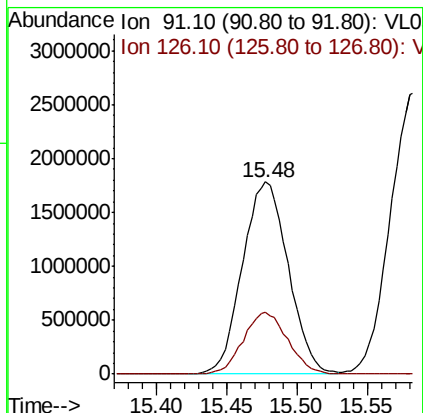
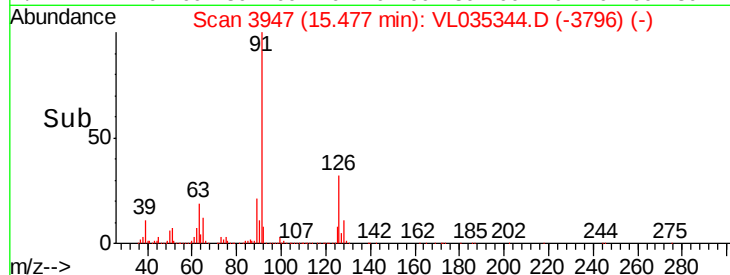
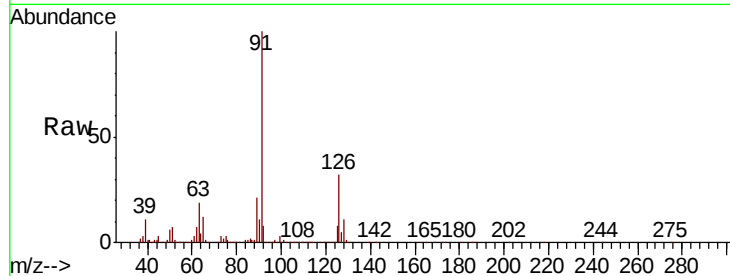
Ion Ratio Lower Upper

91 100

126 31.5 12.5 50.1

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#72

4-Ethyltoluene

Concen: 10.688 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion:105 Resp: 4269513

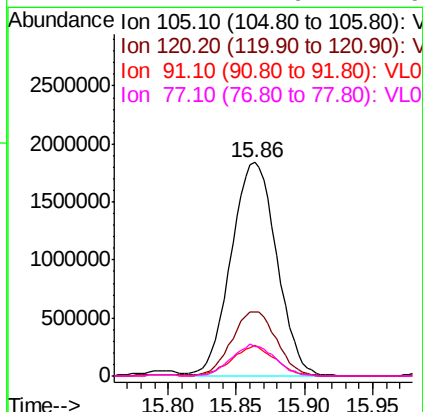
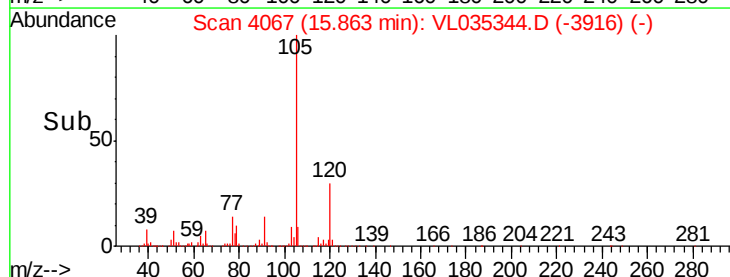
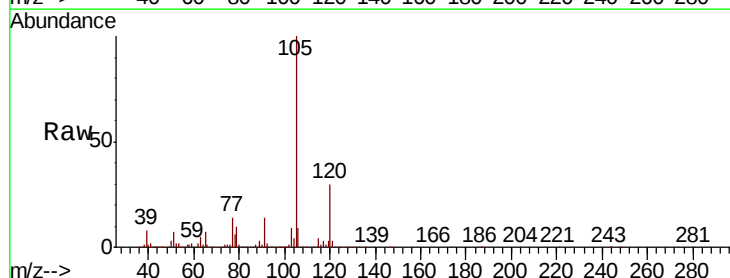
Ion Ratio Lower Upper

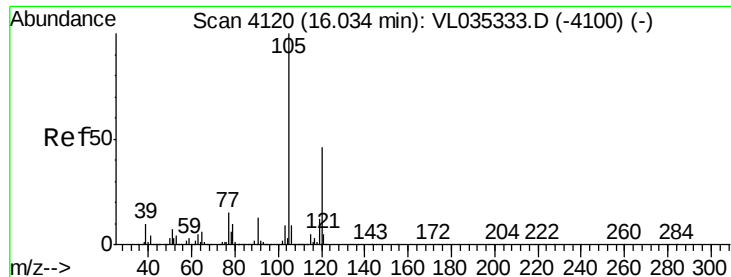
105 100

120 30.4 24.0 36.0

91 13.7 10.8 16.2

77 14.1 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 10.463 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:105 Resp: 4010629

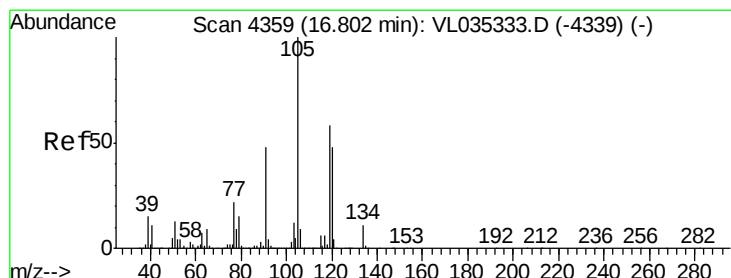
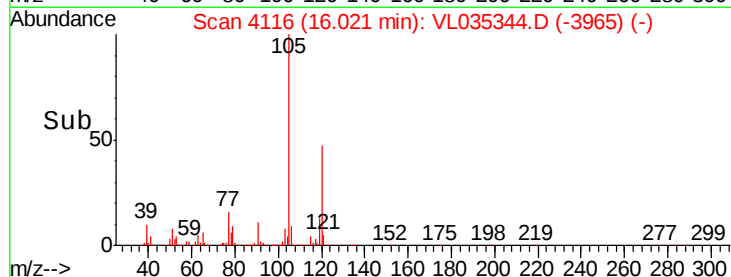
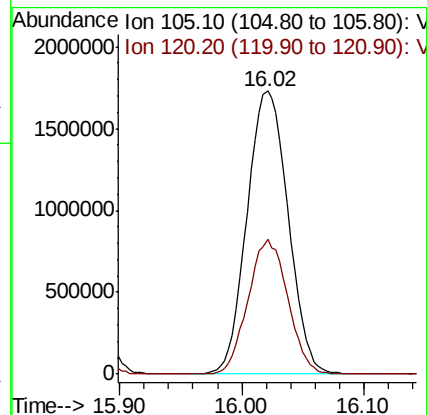
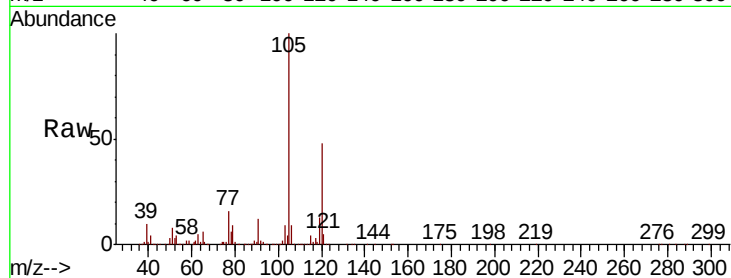
Ion Ratio Lower Upper

105 100

120 47.6 36.9 55.3

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 9.706 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion:105 Resp: 4252108

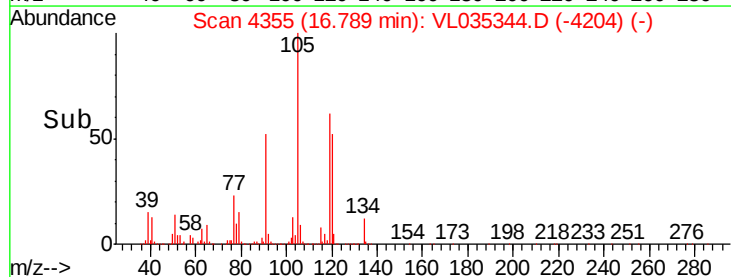
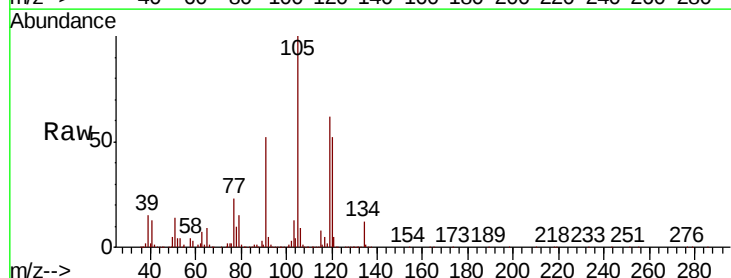
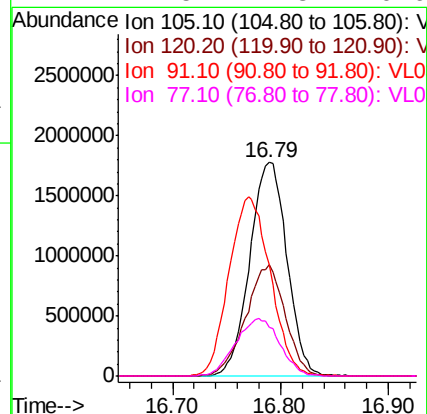
Ion Ratio Lower Upper

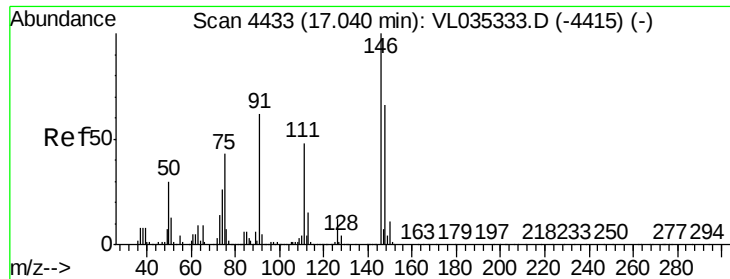
105 100

120 52.2 38.5 57.7

91 52.1 39.0 58.6

77 22.5 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 8.904 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:146 Resp: 2551978

Ion Ratio Lower Upper

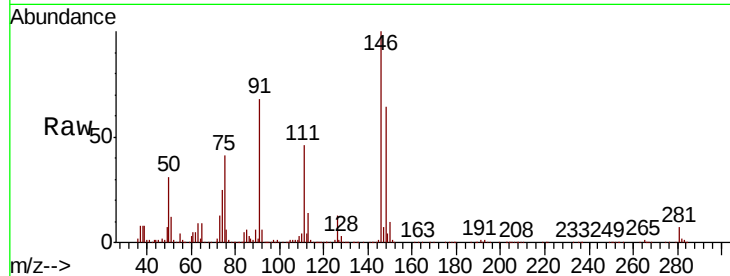
146 100

111 48.5 24.2 72.6

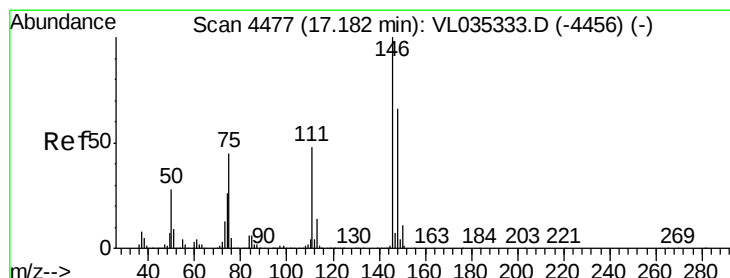
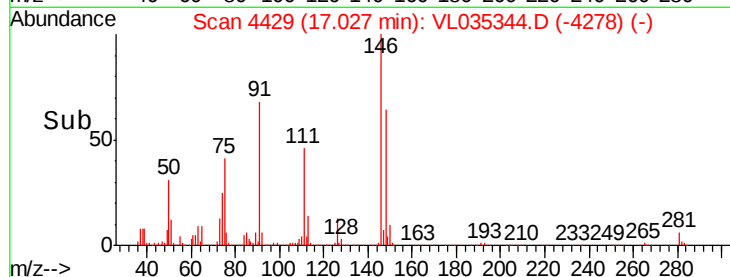
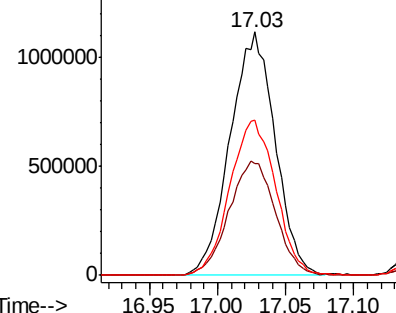
148 65.2 32.6 98.0

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
1500000 Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.624 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

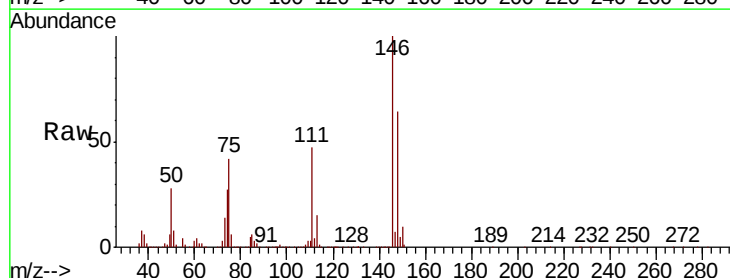
Tgt Ion:146 Resp: 2554367

Ion Ratio Lower Upper

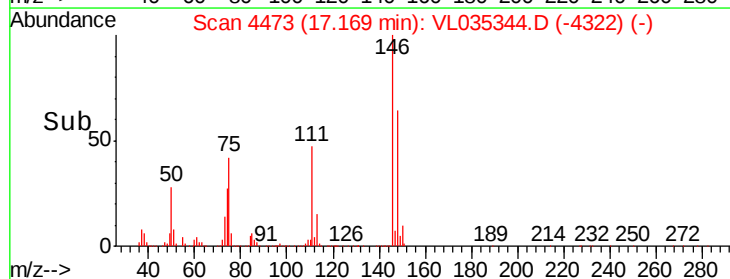
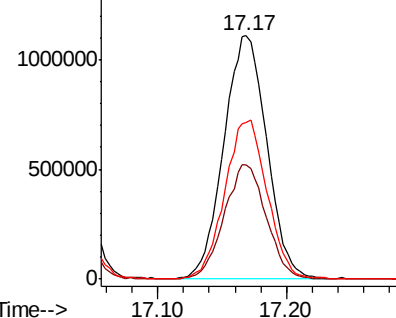
146 100

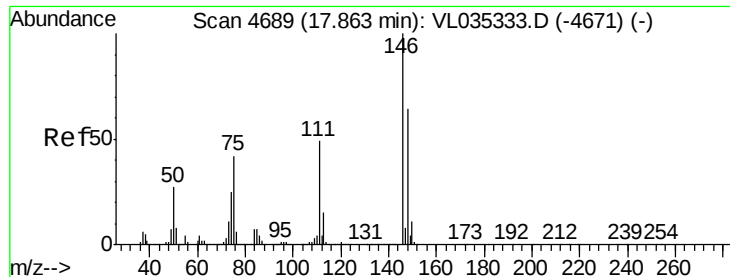
111 46.5 23.3 69.9

148 64.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V
1500000 Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





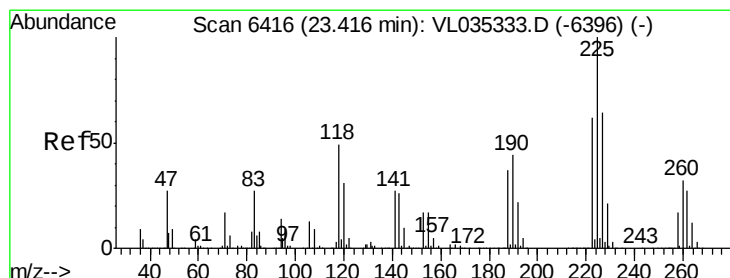
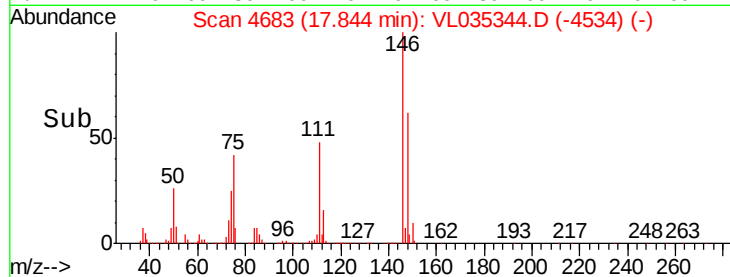
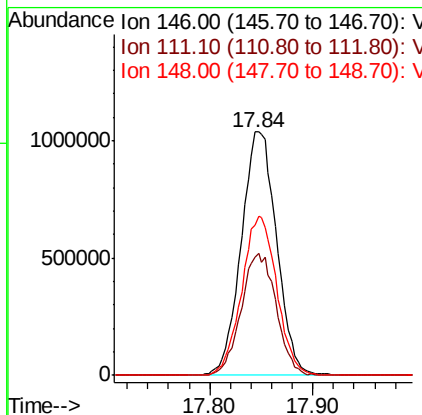
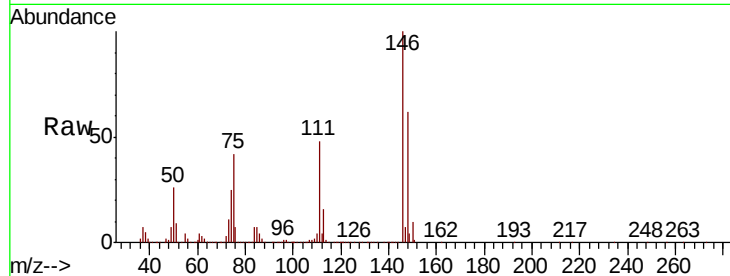
#77
 1,2-Dichlorobenzene
 Concen: 9.341 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. -0.02 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.9	74.7
148	64.9	31.9	95.9

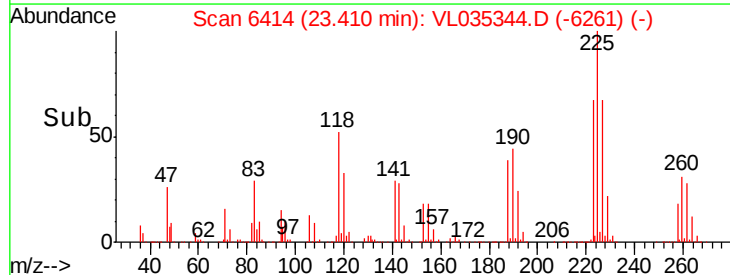
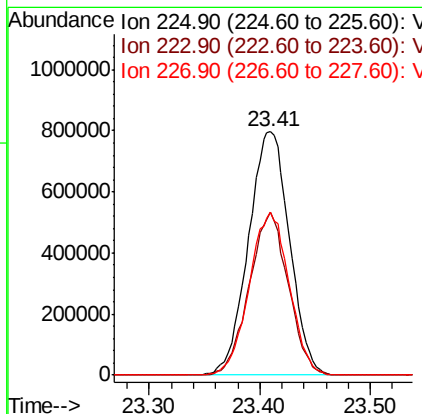
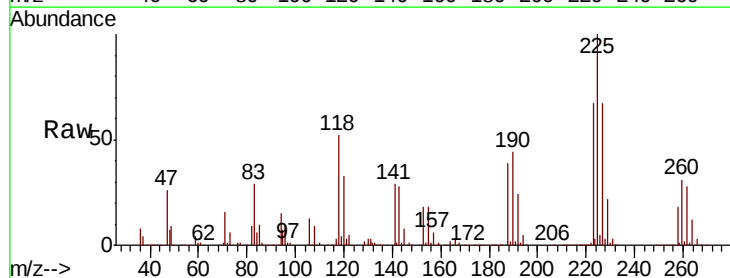
Manual Integrations
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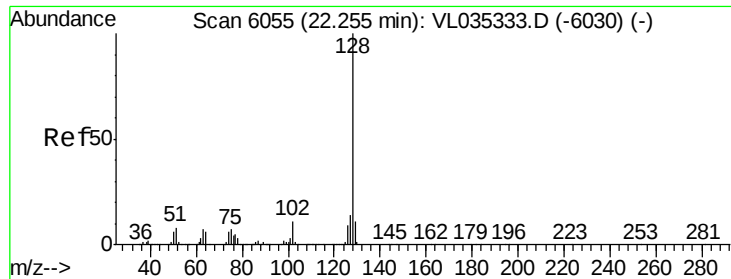
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.111 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	65.2	52.7	79.1





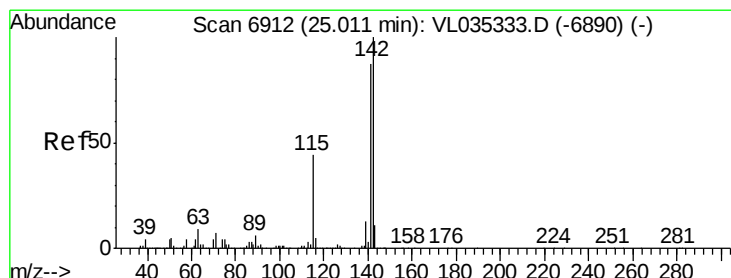
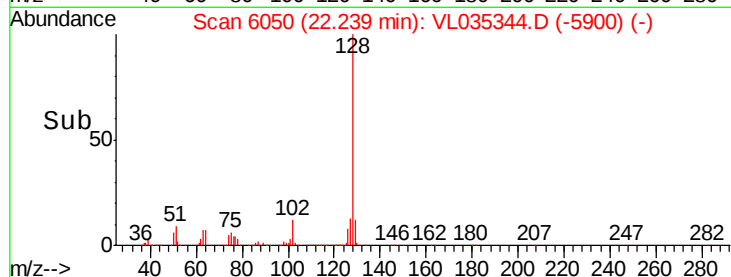
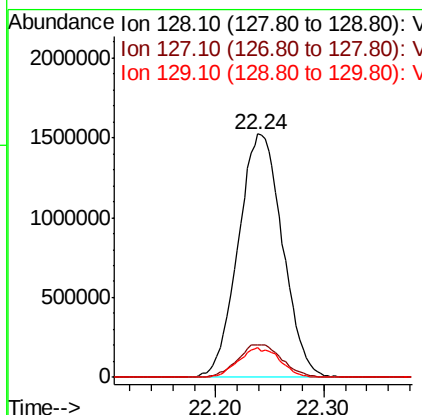
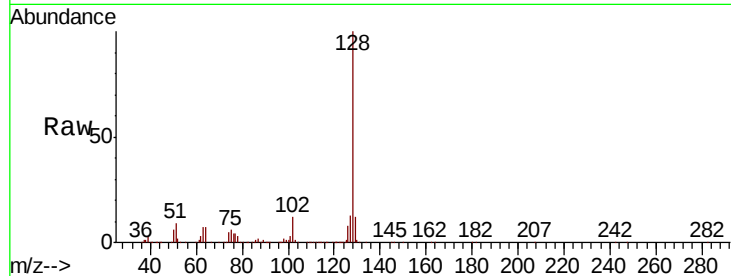
#79
Naphthalene
Concen: 12.842 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. -0.02 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.1	16.7
129	12.4	8.7	13.1

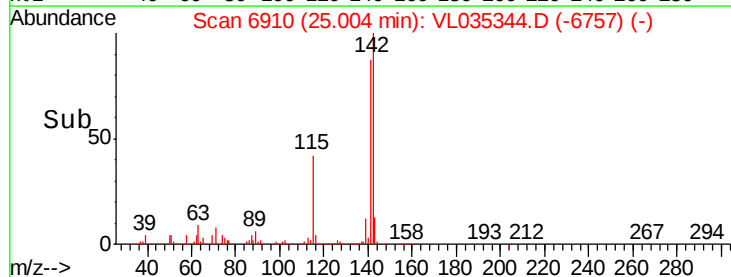
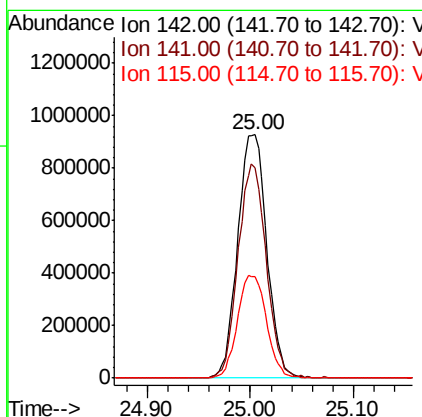
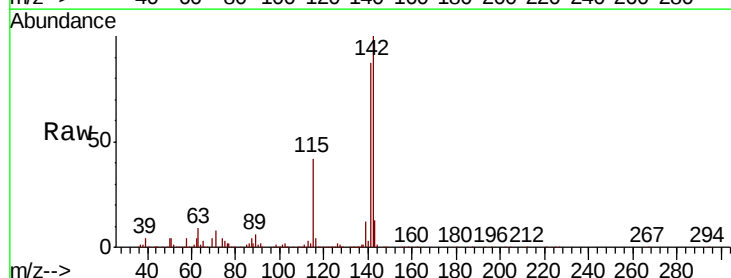
Manual Integrations
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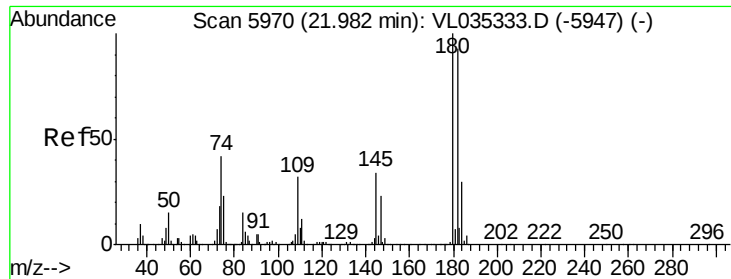
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8/7/2020 12:53:30 PM



#80
Naphthalene, 2-methyl-
Concen: 23.835 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	69.0	103.6
115	42.2	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.231 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion:	180	Resp:	2385130
Ion Ratio	Lower	Upper	
180	100		
182	95.9	77.2	115.8
184	31.3	25.1	37.7

Manual Integrations
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