

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035145.D
 Acq On : 6 Jul 2020 13:01
 Operator : SY/AP
 Sample : VL0706ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0706ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:00:31 PM

Quant Time: Jul 07 05:28:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1164932	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2783010	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2823870m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2289508	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1290183	8.202	ppbv 100
3) Chlorodifluoromethane	2.94	51	1268421	9.857	ppbv 98
4) Chloromethane	3.10	50	708619	9.823	ppbv 98
5) Vinyl Chloride	3.21	62	720059	10.496	ppbv 98
6) Bromomethane	3.43	94	456575	10.718	ppbv 92
7) Chloroethane	3.52	64	275715	10.658	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1682149	9.974	ppbv 98
9) Propene	2.97	41	506582	9.941	ppbv 100
10) Heptane	8.13	43	1466225	11.103	ppbv 100
11) Trichlorofluoromethane	3.92	101	1814271	10.796	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1292571	11.123	ppbv 100
13) Ethanol	3.57	45	143162	7.437	ppbv 99
14) Bromoethene	3.70	108	555741	11.095	ppbv 99
15) Acetone	3.82	43	1377807	9.783	ppbv 100
16) 1,3-Butadiene	3.29	39	656781	10.632	ppbv 98
17) tert-Butyl alcohol	4.26	59	1508420	12.085	ppbv 100
18) 1,1-Dichloroethene	4.26	96	598440	11.419	ppbv 98
19) Isopropyl Alcohol	3.94	45	994551	10.875	ppbv 100
20) Methylene Chloride	4.32	84	529703	9.293	ppbv 90
21) Allyl Chloride	4.38	41	957352	11.437	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	591035	12.054	ppbv 96
23) Vinyl Acetate	5.05	43	1915919	11.207	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1488437	10.327	ppbv 100
25) Ethyl Acetate	5.66	43	2546718	10.019	ppbv 100
26) Hexane	5.67	57	1151233	10.046	ppbv 98
27) Carbon Disulfide	4.52	76	1578745	13.312	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1785032	11.086	ppbv 100
29) Chloroform	5.74	83	1827259	10.189	ppbv 98
30) Cyclohexane	7.13	84	952411	11.580	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1154597	10.930	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1804876	10.851	ppbv 99
34) 2-Butanone	5.23	43	1618123	10.125	ppbv 100
35) Carbon Tetrachloride	7.02	117	1862872	11.161	ppbv 98
36) Benzene	6.89	78	2254946	10.464	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1410307	10.355	ppbv 99
38) Trichloroethene	7.84	130	897316	10.720	ppbv 98
39) 1,2-Dichloropropane	7.62	63	886772	10.521	ppbv 96
40) 1,4-Dioxane	7.84	88	340662	10.247	ppbv # 95
41) Tetrahydrofuran	6.04	42	873028	10.695	ppbv 99
42) Bromodichloromethane	7.80	83	1968667	11.161	ppbv 94
43) Methyl Methacrylate	8.02	69	1043572	11.440	ppbv 99

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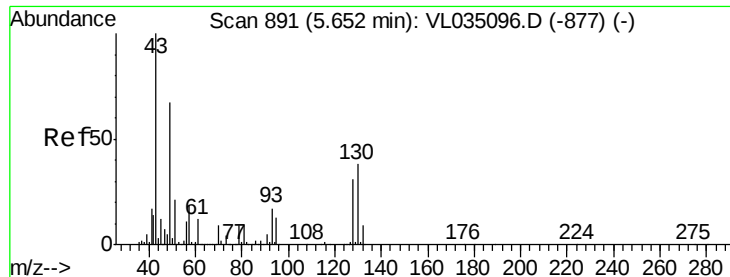
Manual Integrations
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MMDadoda
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Quant Time: Jul 07 05:28:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3900753	10.371	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1167755	13.154	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1379945	12.513	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	953534	10.366	ppbv	97
48) Dibromochloromethane	10.33	129	1627929	11.871	ppbv	99
49) Bromoform	13.07	173	1404732	12.058	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2428812	10.696	ppbv	99
51) 2-Hexanone	10.15	43	1959122	11.017	ppbv	98
52) Tetrachloroethene	11.25	164	818367	10.777	ppbv	94
53) Toluene	9.82	91	2669318	11.613	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1461791	10.732	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1238515	10.717	ppbv #	61
57) Chlorobenzene	12.18	112	2051109	9.871	ppbv	98
58) Ethyl Benzene	12.74	91	3592185	11.322	ppbv	97
59) m/p-Xylene	13.02	91	5983674m	21.280	ppbv	
60) o-Xylene	13.72	91	2960298	10.575	ppbv	100
61) Styrene	13.56	104	2109507	11.975	ppbv	100
62) Isopropylbenzene	14.70	105	4366295	10.452	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2075780	9.155	ppbv	99
64) n-propylbenzene	15.60	120	1134525	10.642	ppbv	96
65) tert-Butylbenzene	16.79	119	3785893	10.584	ppbv	100
66) Benzyl Chloride	17.03	91	1549941	14.027	ppbv	99
67) sec-Butylbenzene	17.34	105	5310508	10.358	ppbv	100
69) p-Isopropyltoluene	17.69	119	4399866	10.759	ppbv	100
70) n-Butylbenzene	18.59	91	4565767	10.365	ppbv	99
71) 2-Chlorotoluene	15.49	91	3369883	10.672	ppbv	99
72) 4-Ethyltoluene	15.88	105	3399003	10.915	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3226525	10.961	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	3336646	10.156	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1903902	9.710	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1901584	10.139	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1803836	10.054	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1468544m	9.106	ppbv	
79) Naphthalene	22.26	128	3226434	11.201	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1498644	13.607	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1710685	10.295	ppbv	99

(#) = 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: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 49 Resp: 1164932

Ion Ratio Lower Upper

49 100

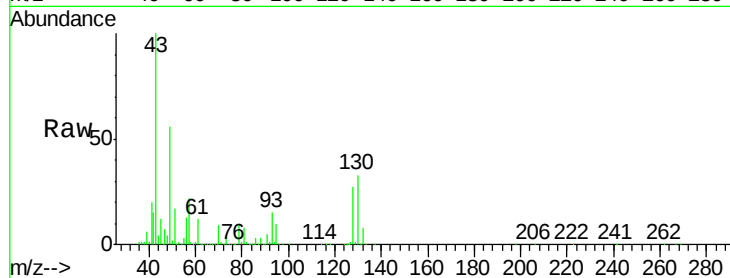
128 47.4 22.9 68.5

130 59.7 29.0 87.0

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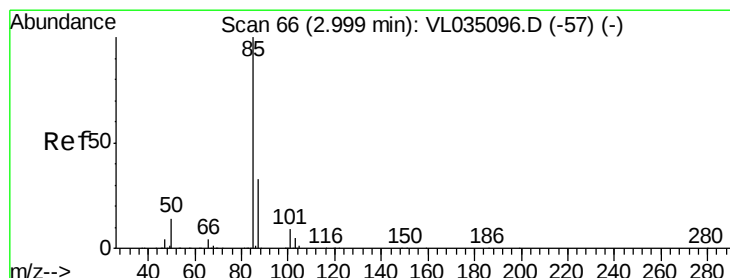
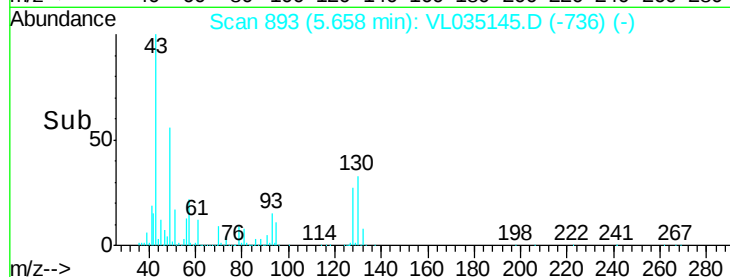
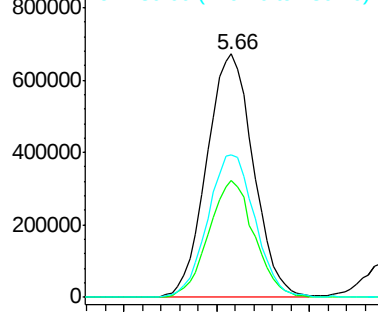
7/9/2020 12:00:31 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.202 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL035145.D

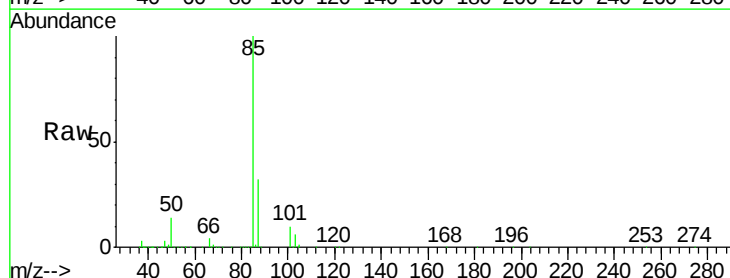
Acq: 6 Jul 2020 13:01

Tgt Ion: 85 Resp: 1290183

Ion Ratio Lower Upper

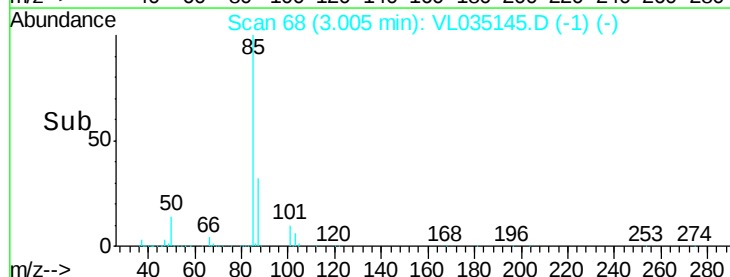
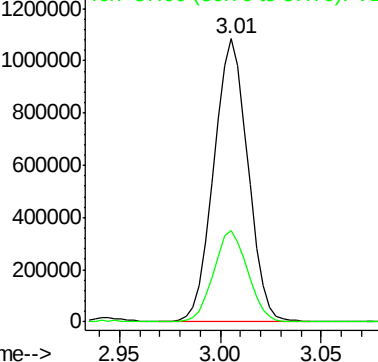
85 100

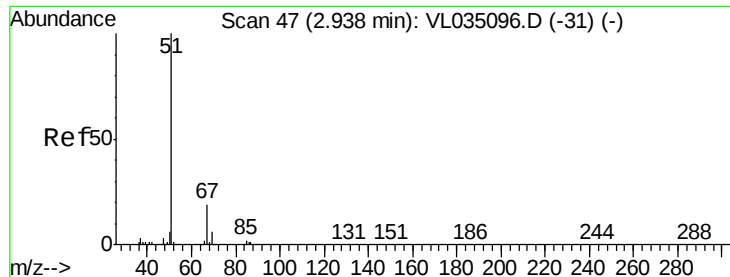
87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





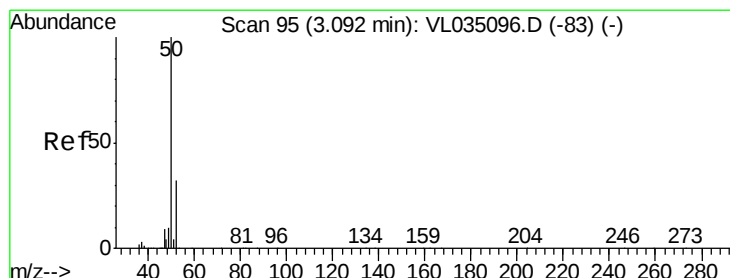
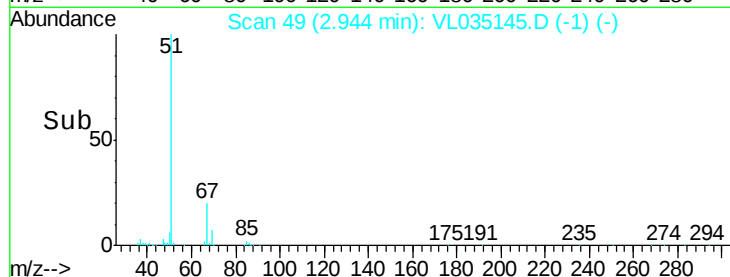
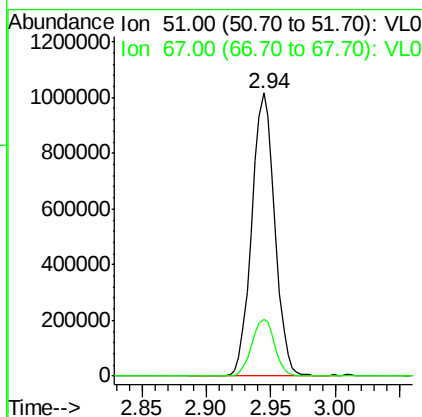
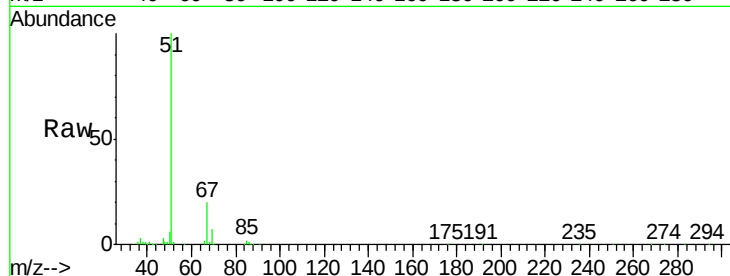
#3
Chlorodifluoromethane
Concen: 9.857 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 51 Resp: 1268421
Ion Ratio Lower Upper
51 100
67 20.1 15.2 22.8

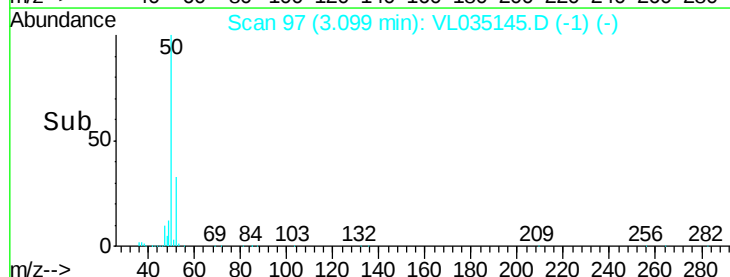
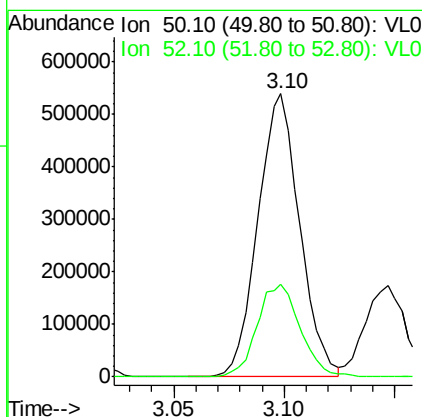
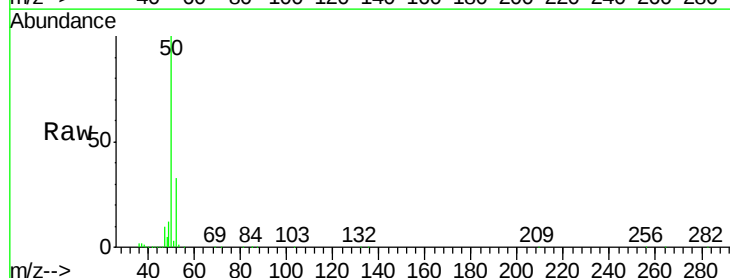
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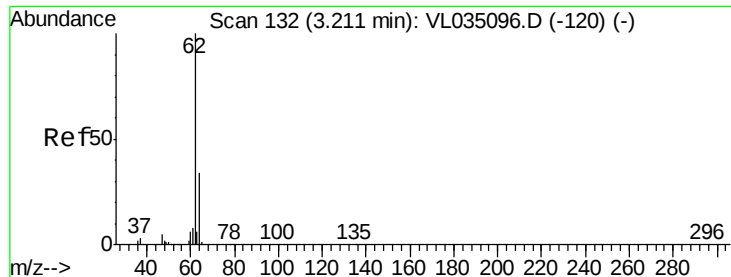
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#4
Chloromethane
Concen: 9.823 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 50 Resp: 708619
Ion Ratio Lower Upper
50 100
52 32.7 25.4 38.0





#5

Vinyl Chloride

Concen: 10.496 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 62 Resp: 720059

Ion Ratio Lower Upper

62 100

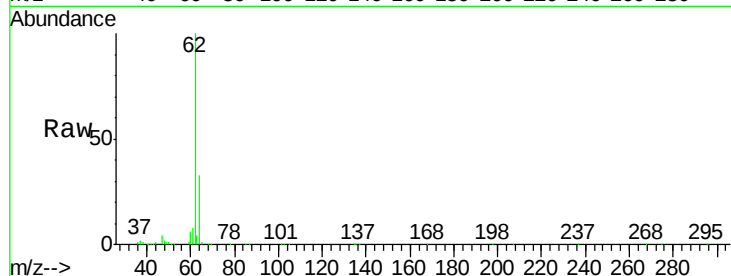
64 32.6 27.0 40.4

Manual Integrations

APPROVED

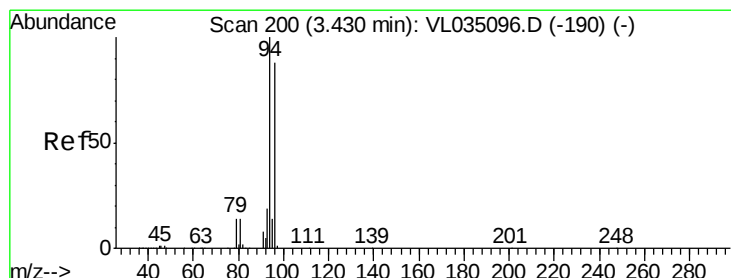
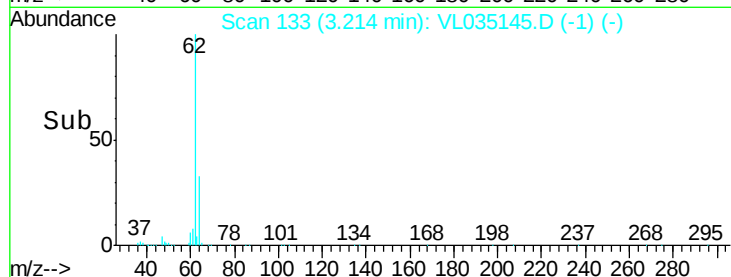
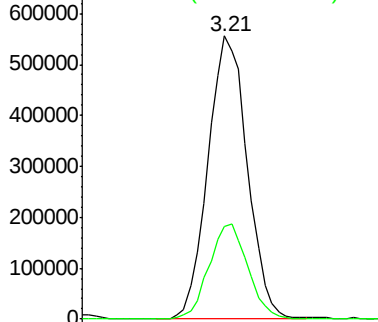
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.718 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035145.D

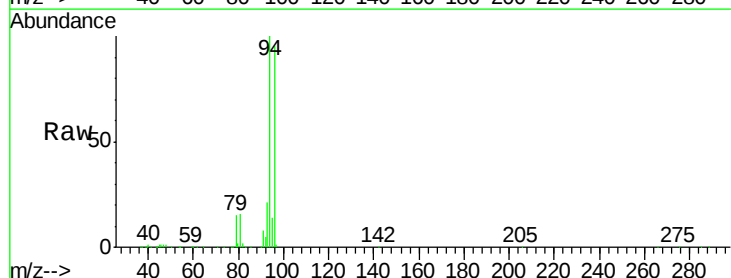
Acq: 6 Jul 2020 13:01

Tgt Ion: 94 Resp: 456575

Ion Ratio Lower Upper

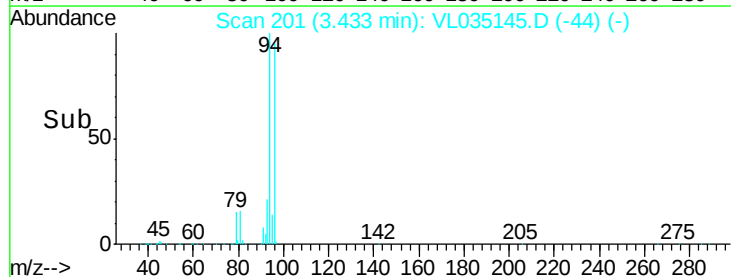
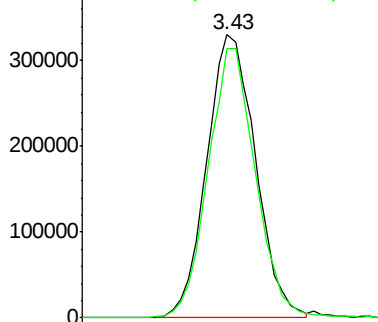
94 100

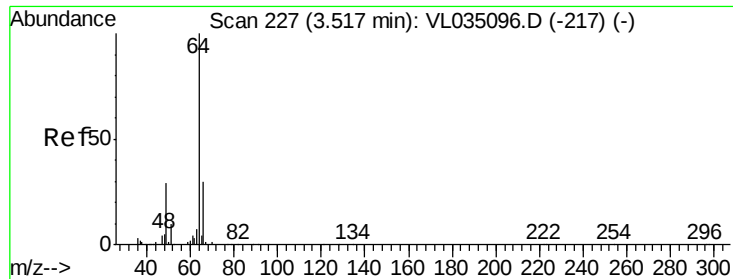
96 94.7 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.658 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 64 Resp: 275715

Ion Ratio Lower Upper

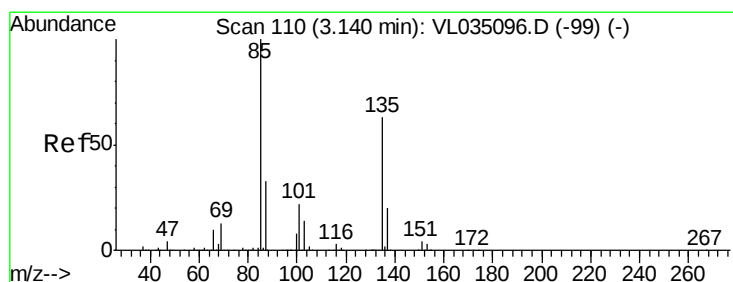
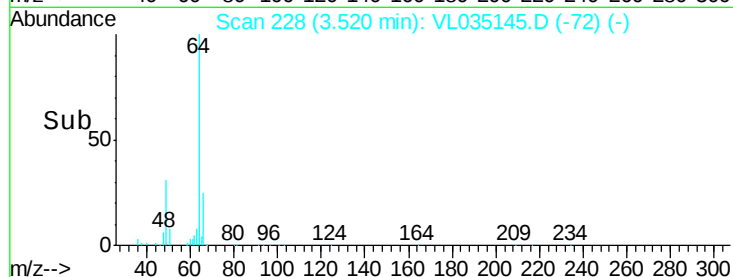
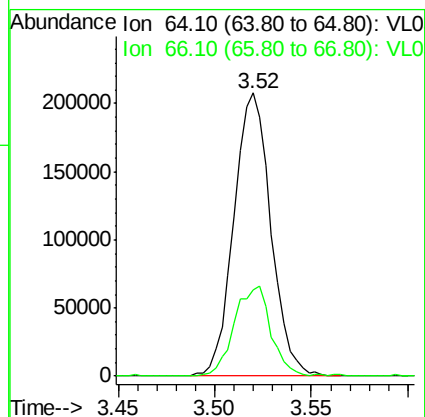
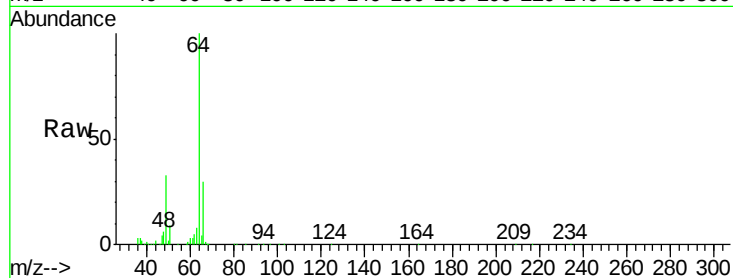
64 100

66 30.5 24.2 36.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.974 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL035145.D

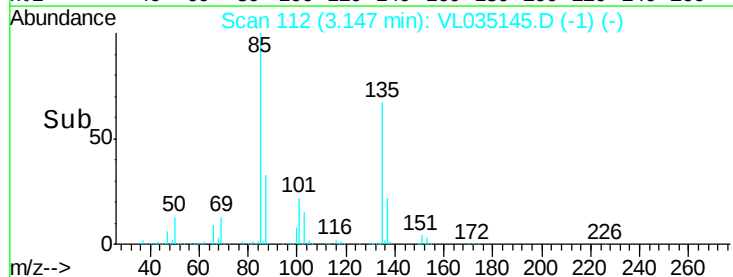
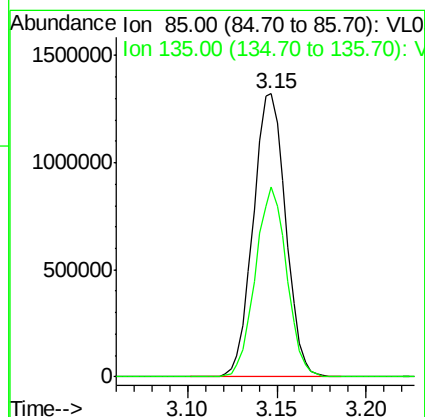
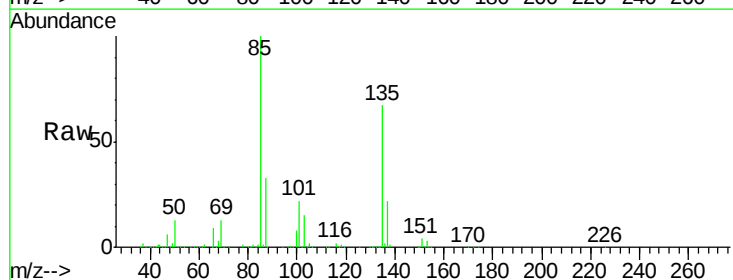
Acq: 6 Jul 2020 13:01

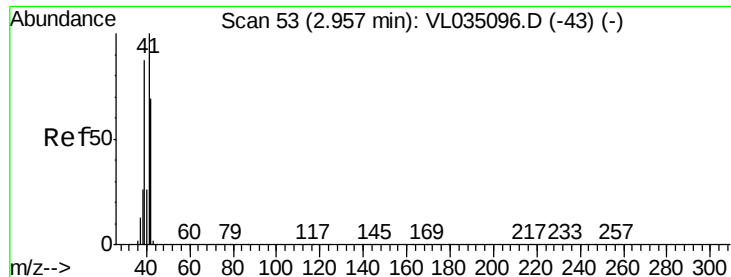
Tgt Ion: 85 Resp: 1682149

Ion Ratio Lower Upper

85 100

135 65.1 51.0 76.6





#9

Propene

Concen: 9.941 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 41 Resp: 506582

Ion Ratio Lower Upper

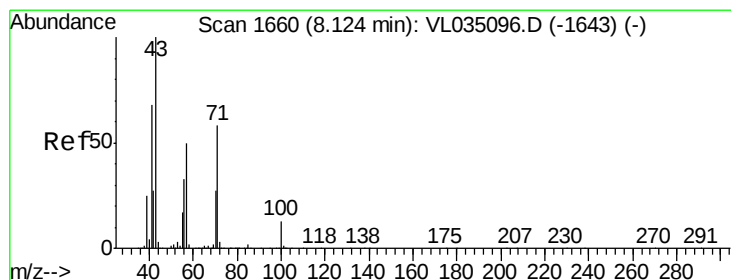
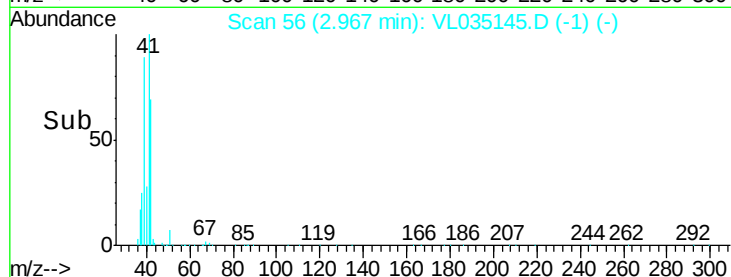
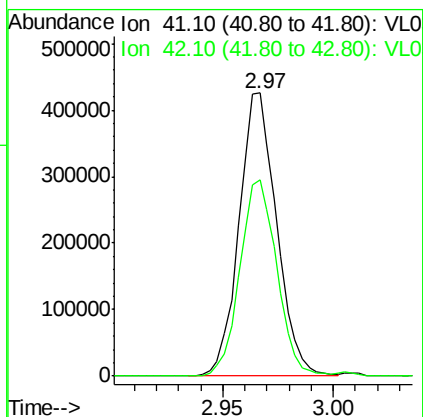
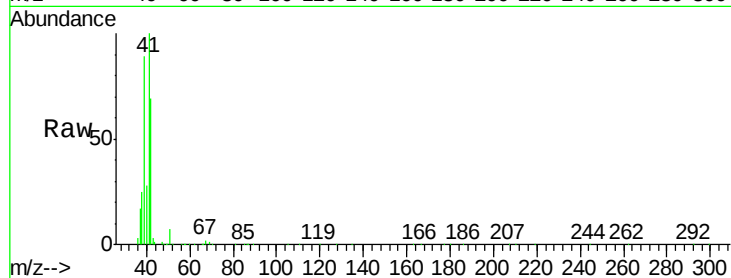
41 100

42 69.4 55.8 83.6

Manual Integrations
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7/9/2020 12:00:31 PM



#10

Heptane

Concen: 11.103 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL035145.D

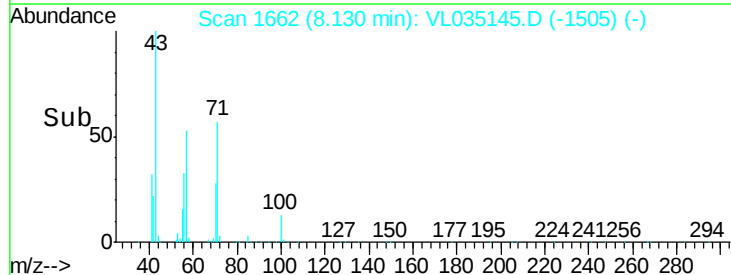
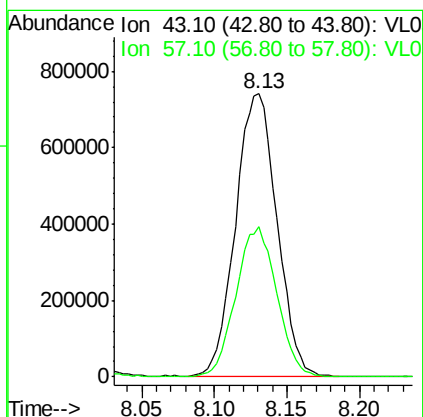
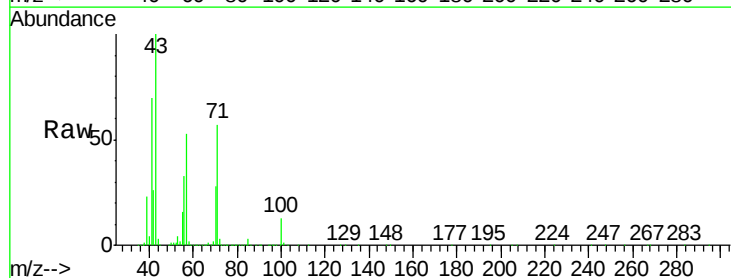
Acq: 6 Jul 2020 13:01

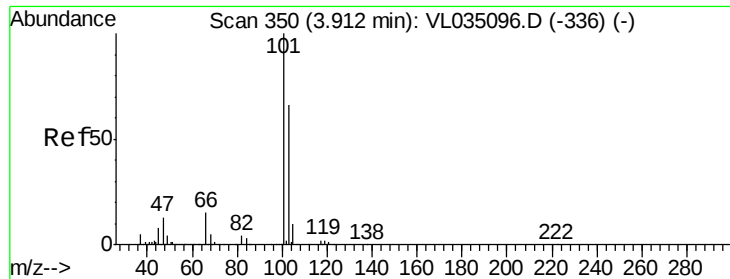
Tgt Ion: 43 Resp: 1466225

Ion Ratio Lower Upper

43 100

57 52.2 41.9 62.9





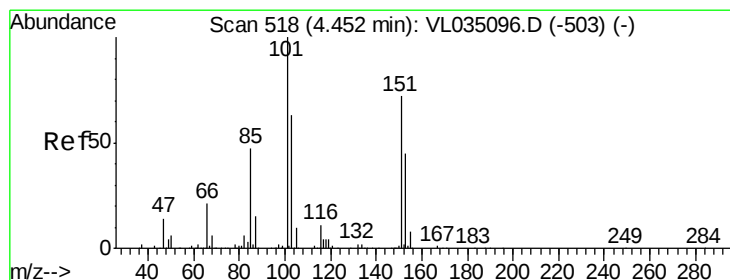
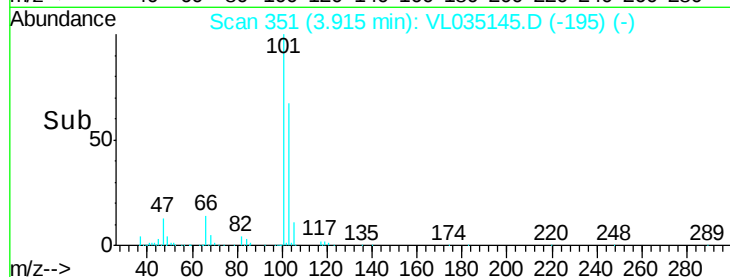
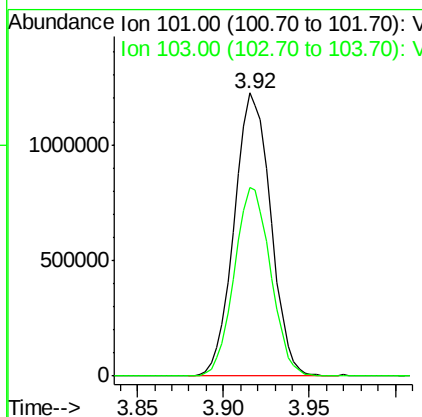
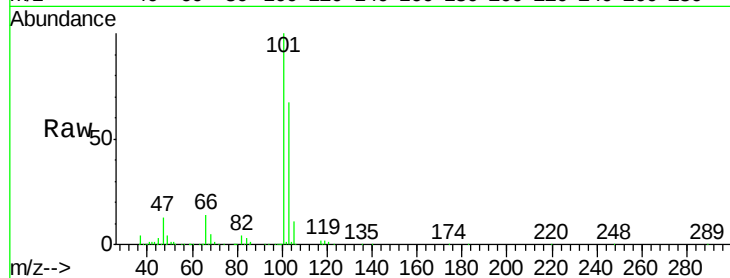
#11
 Trichlorofluoromethane
 Concen: 10.796 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:101 Resp: 1814271
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.6 79.0

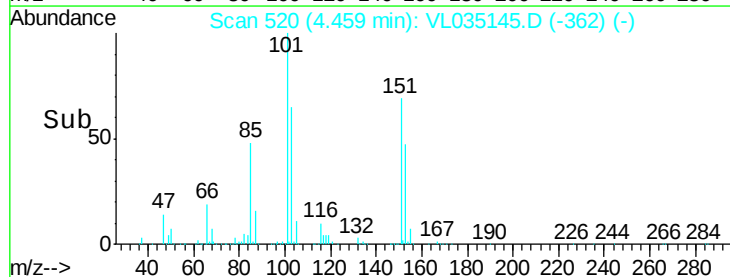
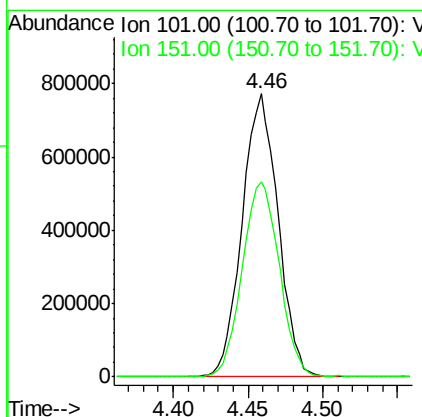
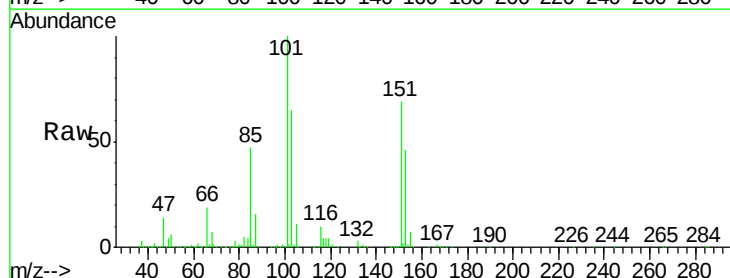
Manual Integrations
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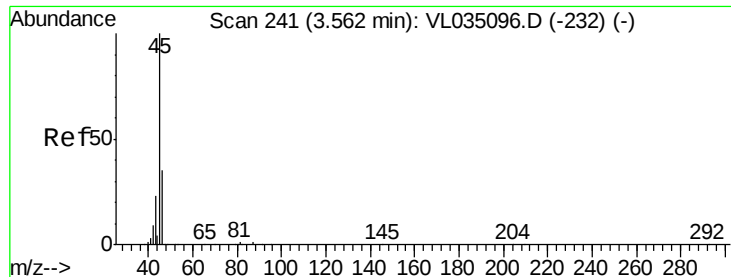
MMDadoda
 7/9/2020 12:00:31 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.123 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:101 Resp: 1292571
 Ion Ratio Lower Upper
 101 100
 151 71.0 56.6 85.0





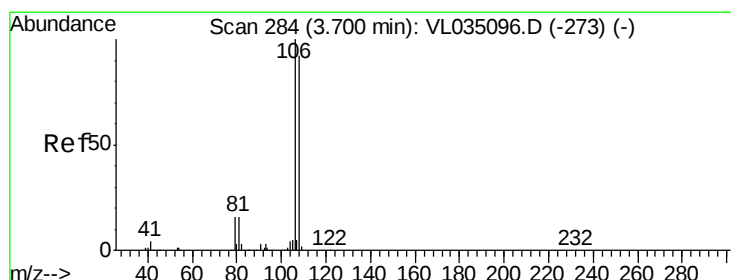
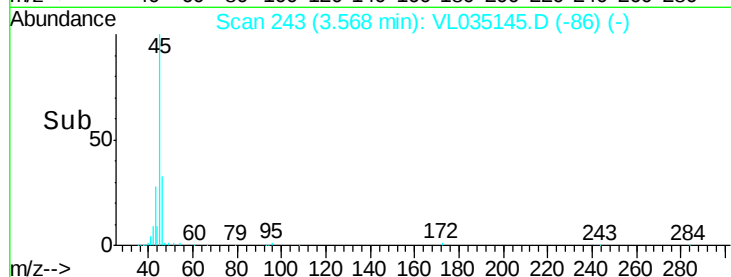
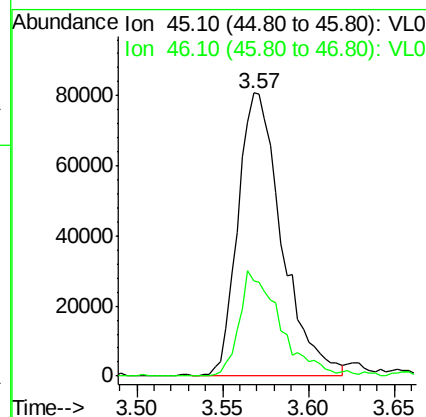
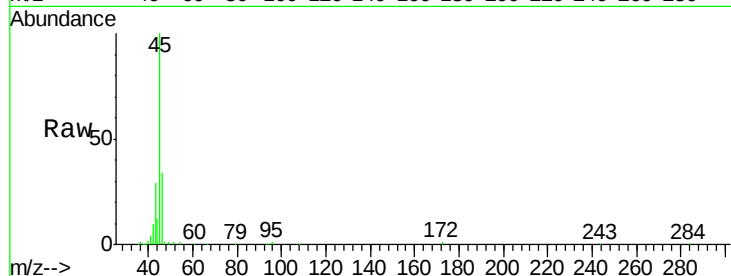
#13
Ethanol
Concen: 7.437 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 45 Resp: 143162
Ion Ratio Lower Upper
45 100
46 36.1 14.2 57.0

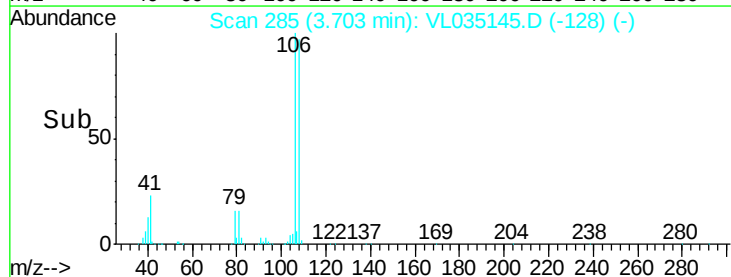
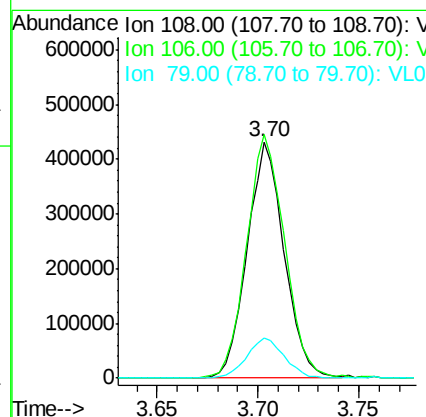
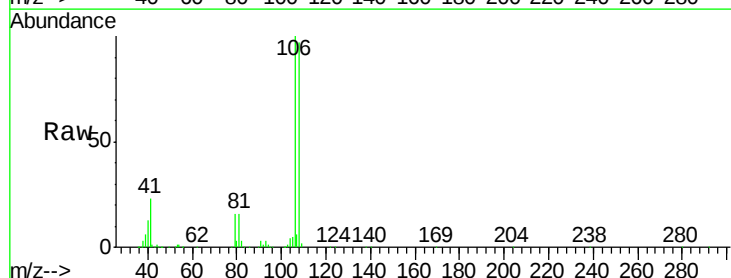
Manual Integrations
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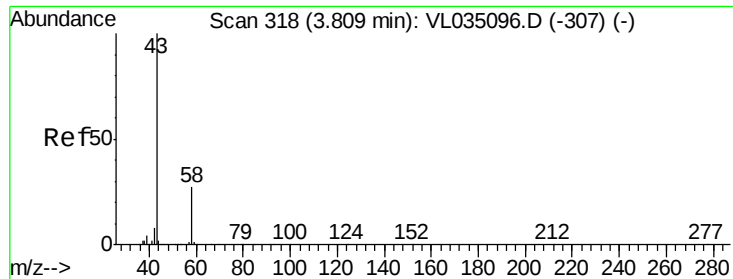
MMDadoda
7/9/2020 12:00:31 PM



#14
Bromoethene
Concen: 11.095 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 108 Resp: 555741
Ion Ratio Lower Upper
108 100
106 106.8 84.4 126.6
79 17.7 14.2 21.2





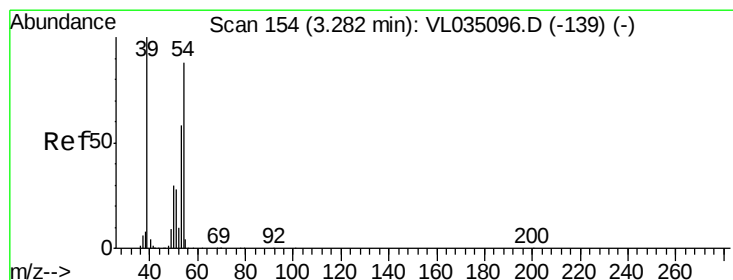
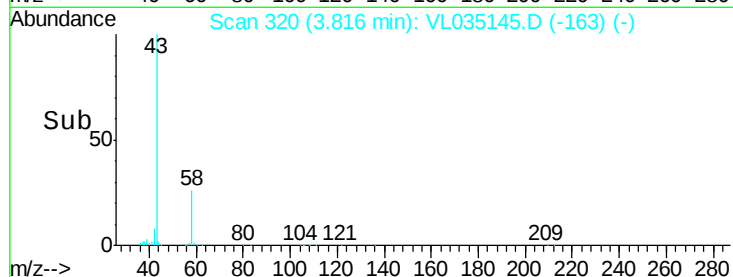
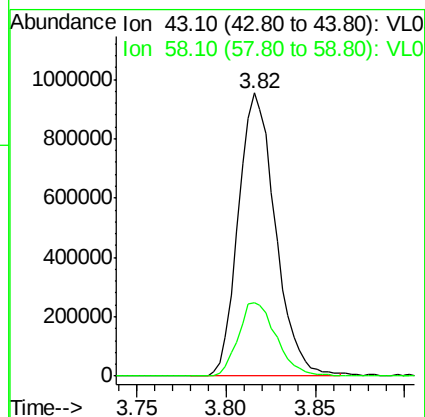
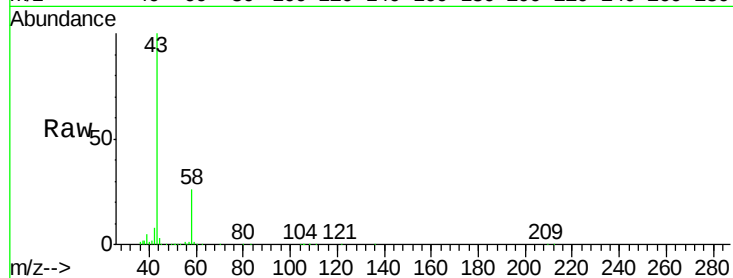
#15
Acetone
Concen: 9.783 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 43 Resp: 1377807
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.6

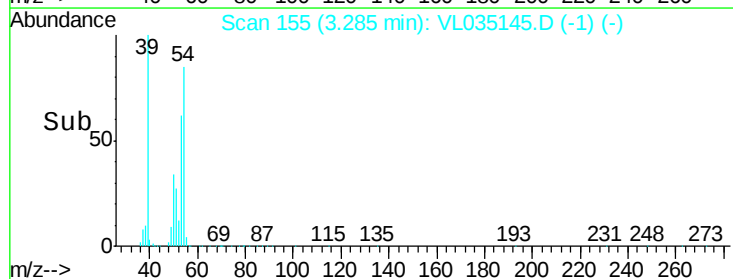
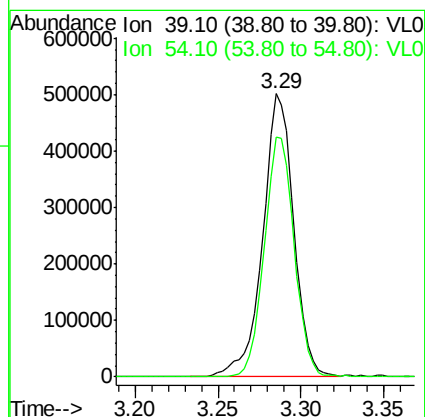
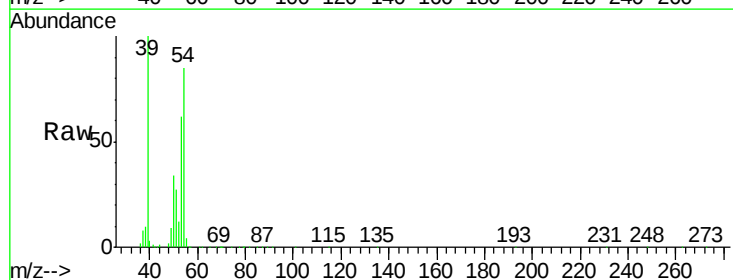
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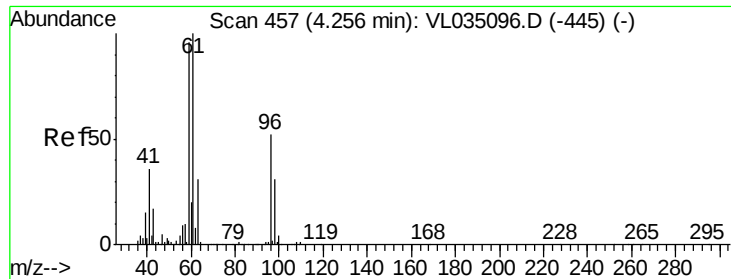
MMDadoda
7/9/2020 12:00:31 PM



#16
1,3-Butadiene
Concen: 10.632 ppbv
RT: 3.29 min Scan# 155
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 39 Resp: 656781
Ion Ratio Lower Upper
39 100
54 82.2 67.0 100.4





#17

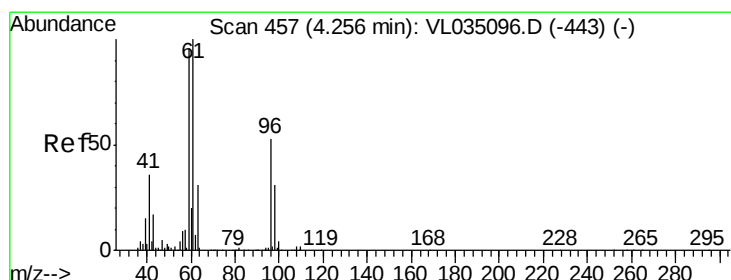
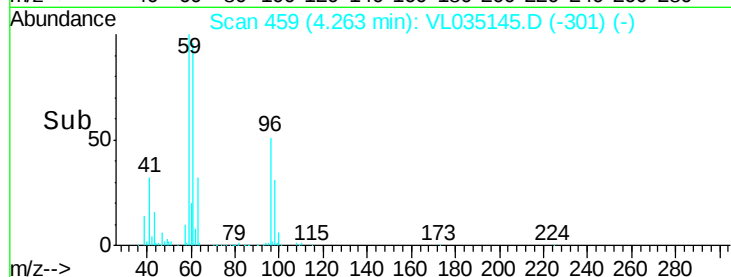
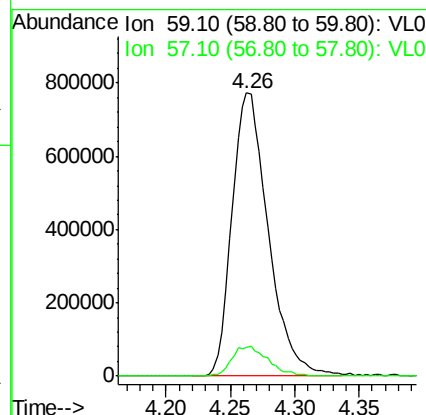
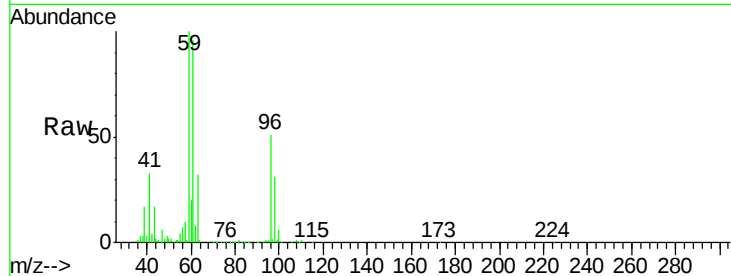
tert-Butyl alcohol
Concen: 12.085 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 59 Resp: 1508420
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

Manual Integrations
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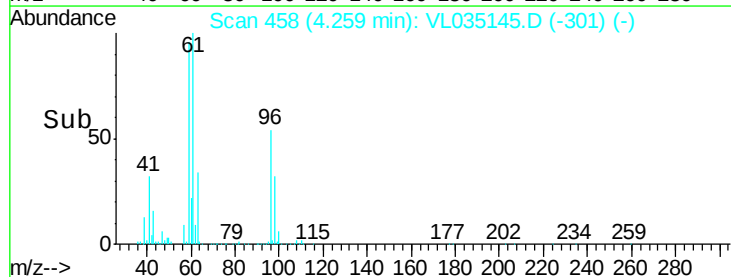
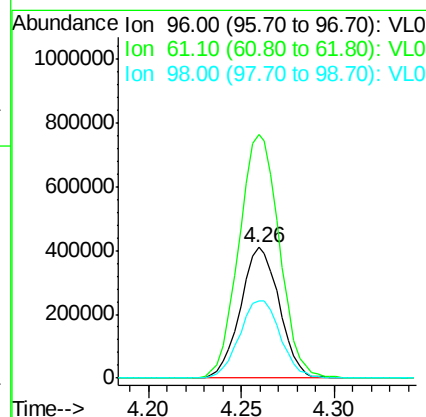
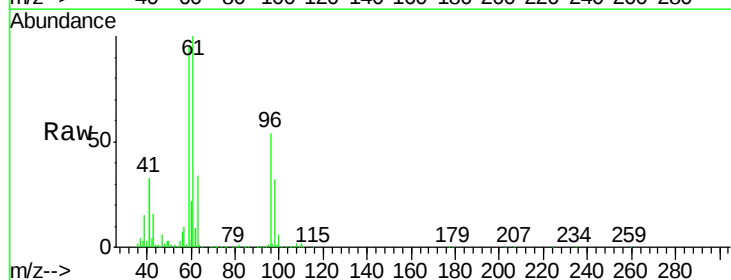
MMDadoda
7/9/2020 12:00:31 PM

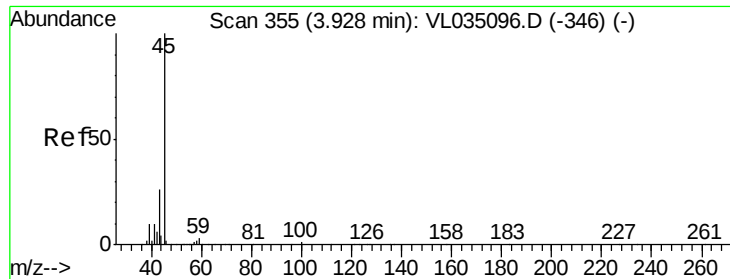


#18

1,1-Dichloroethene
Concen: 11.419 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 96 Resp: 598440
Ion Ratio Lower Upper
96 100
61 185.9 152.2 228.4
98 59.1 47.7 71.5





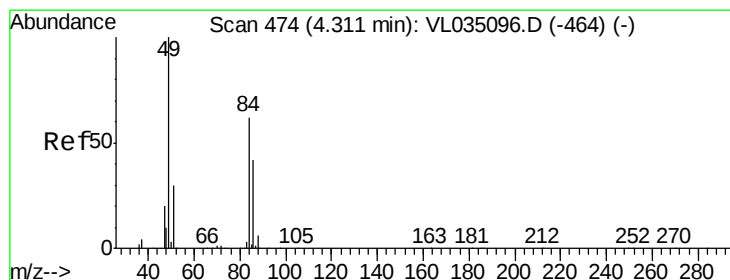
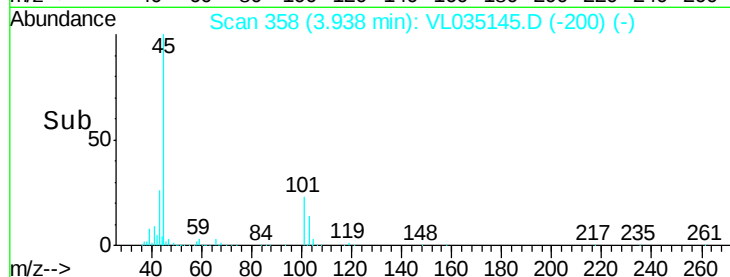
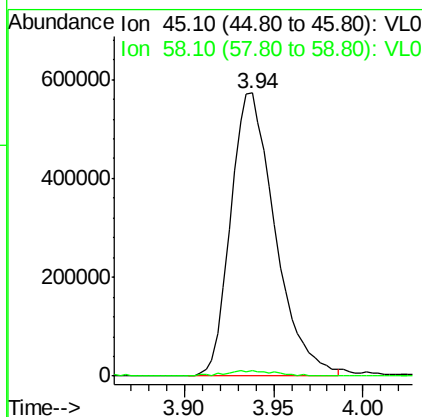
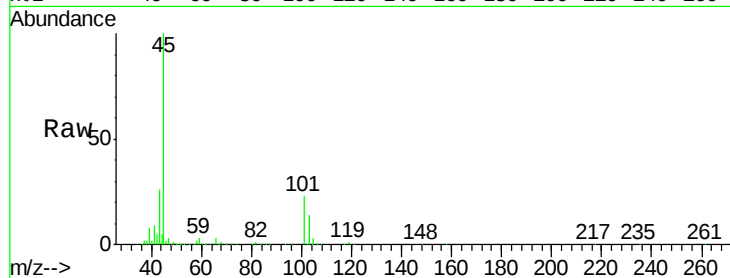
#19
Isopropyl Alcohol
Concen: 10.875 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.5	1.8	2.8

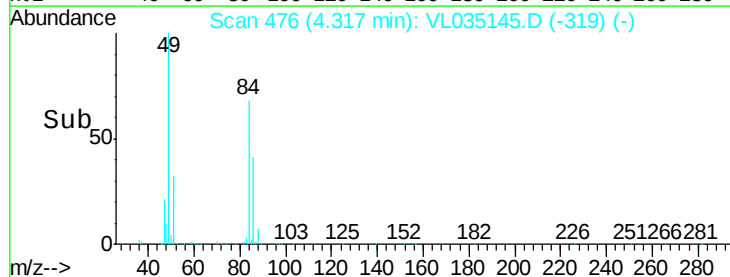
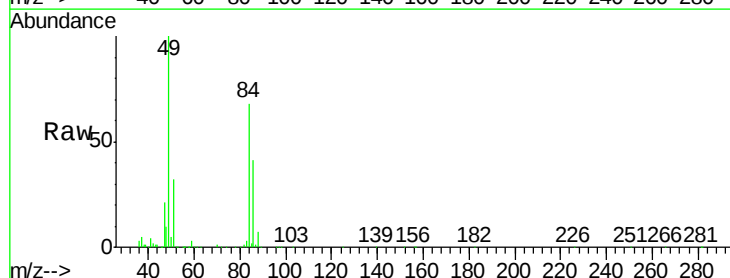
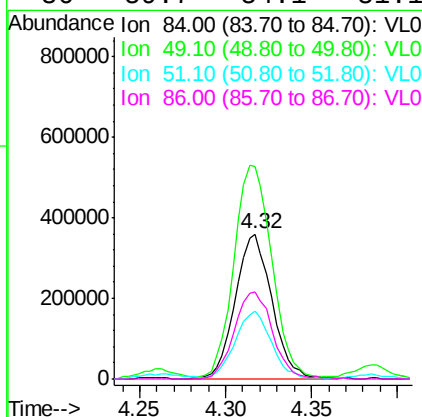
Manual Integrations
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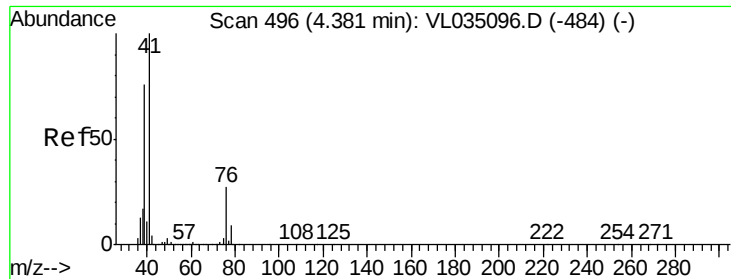
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#20
Methylene Chloride
Concen: 9.293 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.7	128.8	193.2
51	46.5	38.7	58.1
86	59.7	54.1	81.1





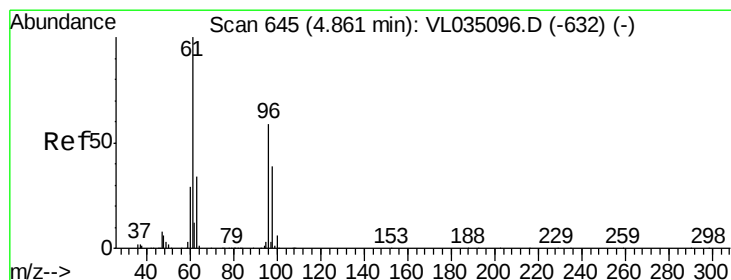
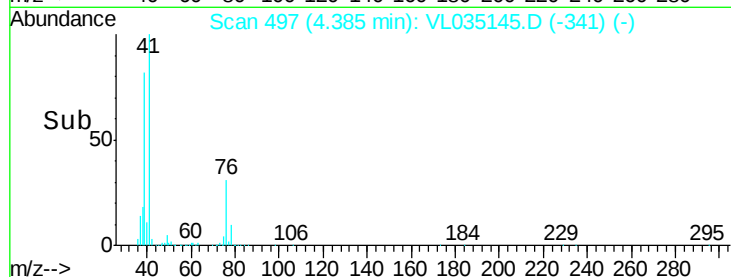
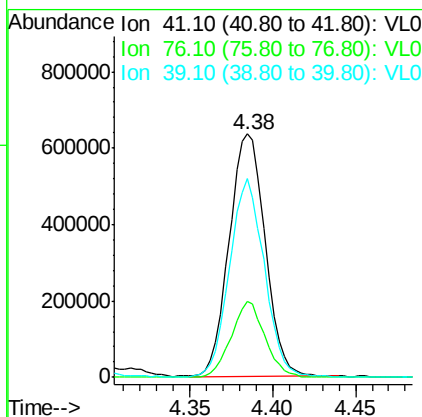
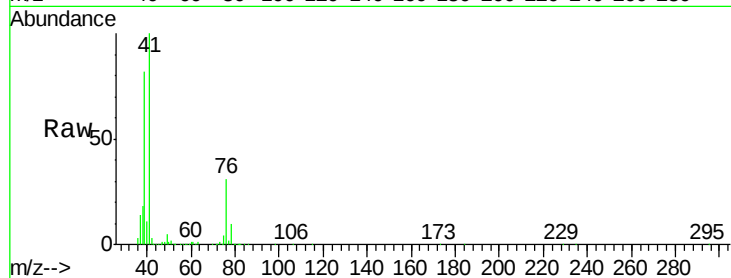
#21
Allvl Chloride
Concen: 11.437 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	22.6	34.0
39	79.5	61.6	92.4

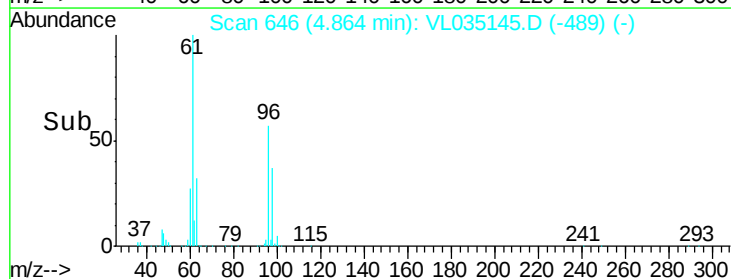
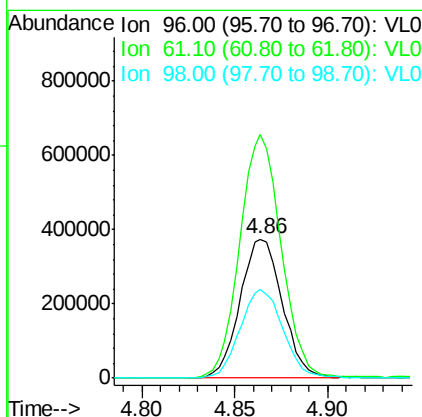
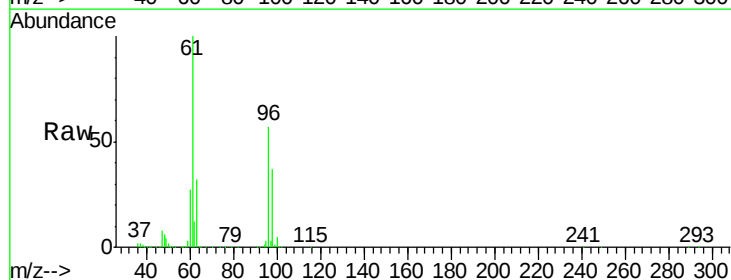
Manual Integrations
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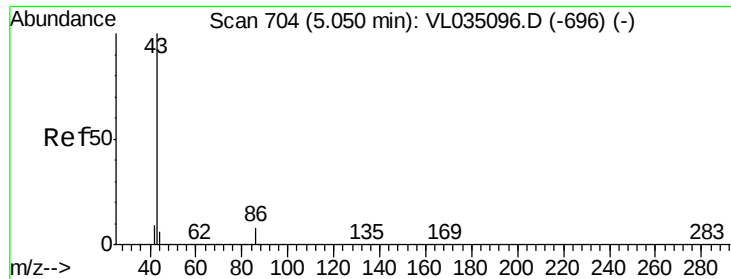
MMDadoda
7/9/2020 12:00:31 PM



#22
trans-1,2-Dichloroethene
Concen: 12.054 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	134.5	201.7
98	64.3	52.6	79.0





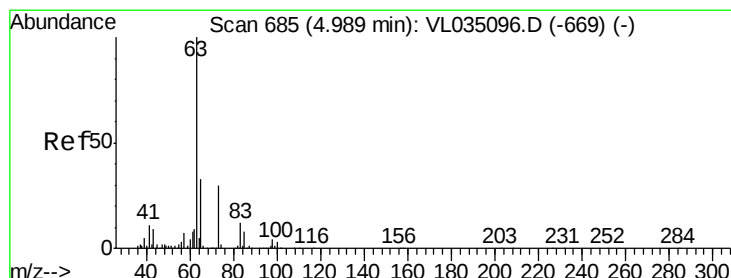
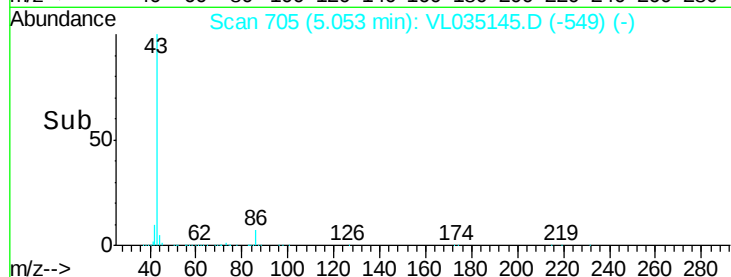
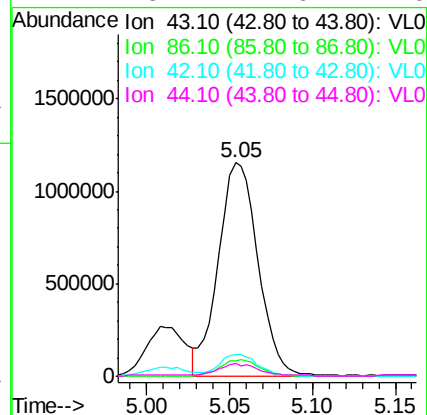
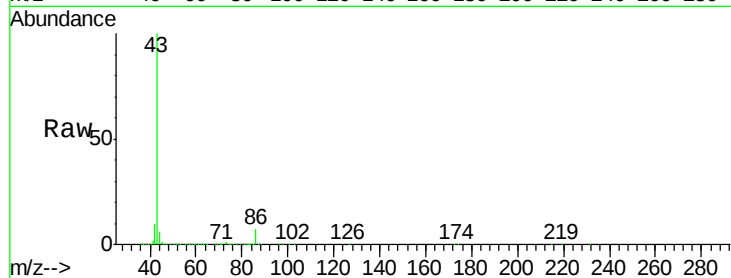
#23
 Vinyl Acetate
 Concen: 11.207 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	43	Resp	1915919
Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.2	9.2
42	10.3	8.1	12.1
44	5.7	4.6	7.0

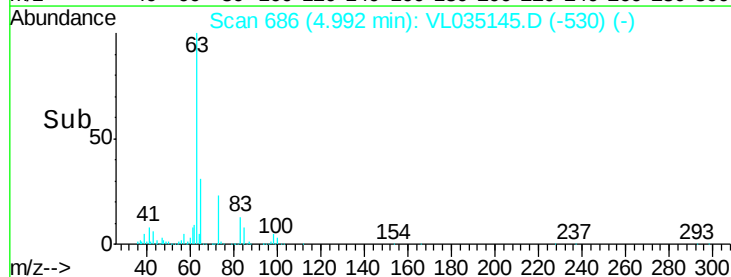
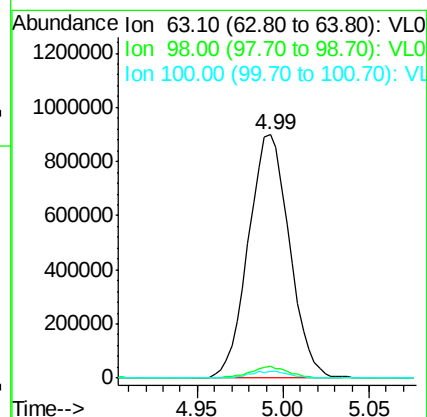
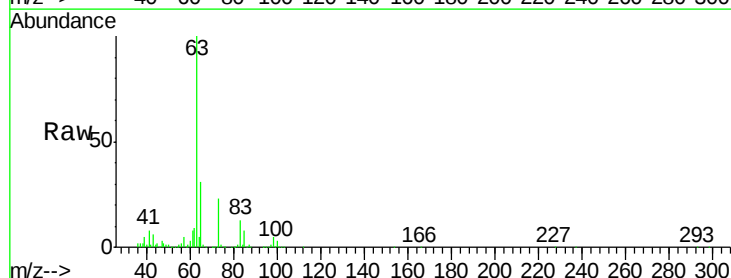
Manual Integrations
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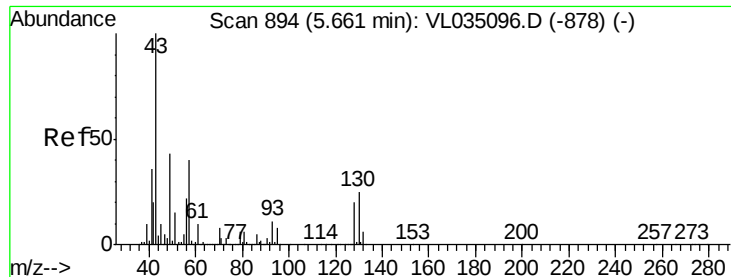
MMDadoda
 7/9/2020 12:00:31 PM



#24
 1,1-Dichloroethane
 Concen: 10.327 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion	63	Resp	1488437
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.9
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 10.019 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 43 Resp: 2546718

Ion Ratio Lower Upper

43 100

45 10.4 8.4 12.6

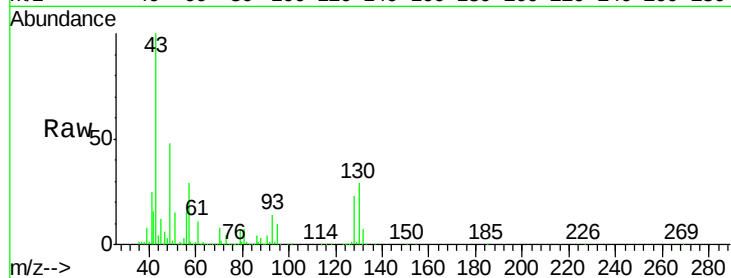
61 10.0 8.0 12.0

70 7.7 6.3 9.5

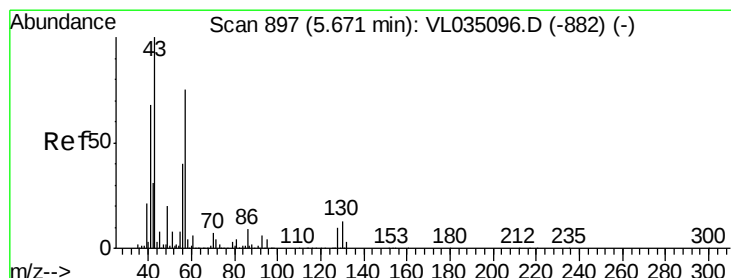
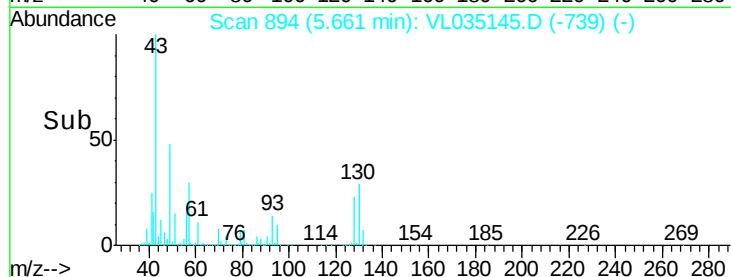
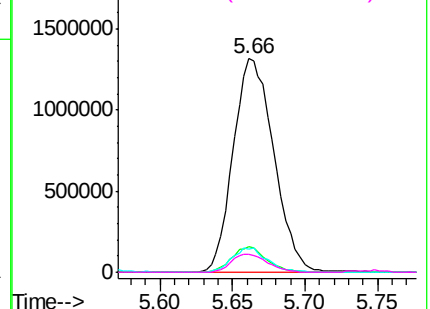
Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.046 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion: 57 Resp: 1151233

Ion Ratio Lower Upper

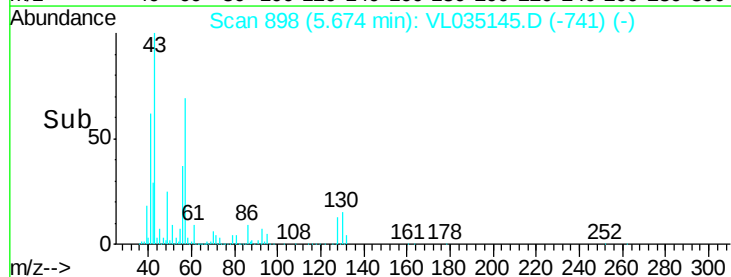
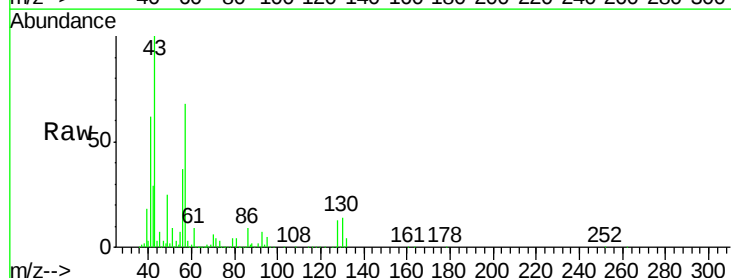
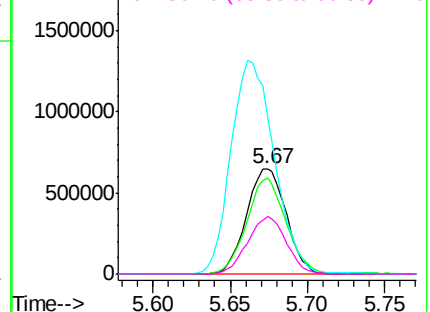
57 100

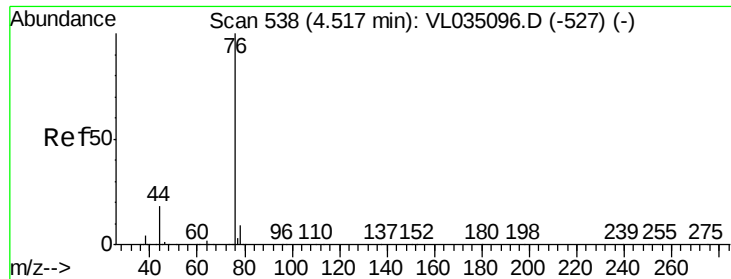
41 90.7 72.9 109.3

43 222.4 181.3 271.9

56 53.4 43.1 64.7

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





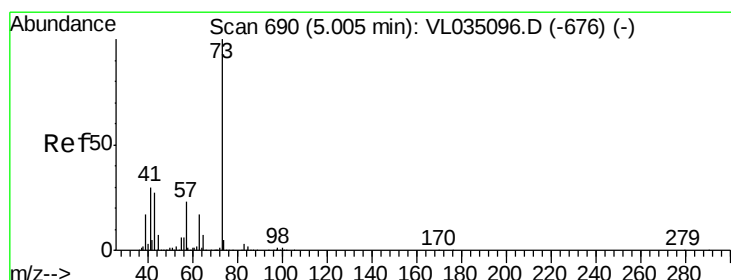
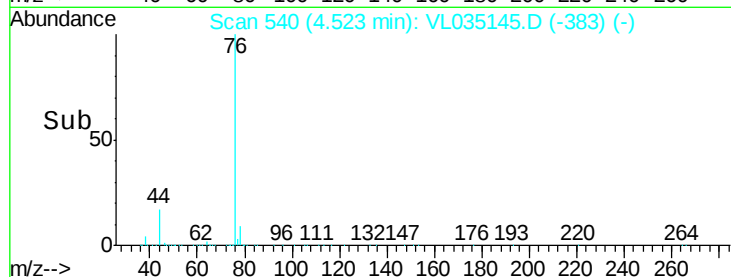
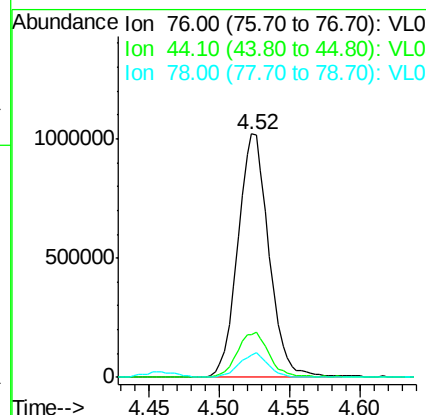
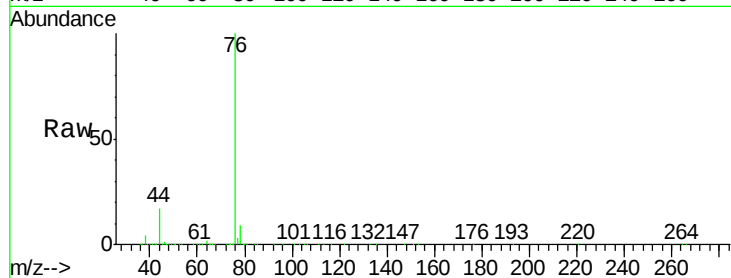
#27
Carbon Disulfide
Concen: 13.312 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.8	15.8	23.8
78	9.1	7.6	11.4

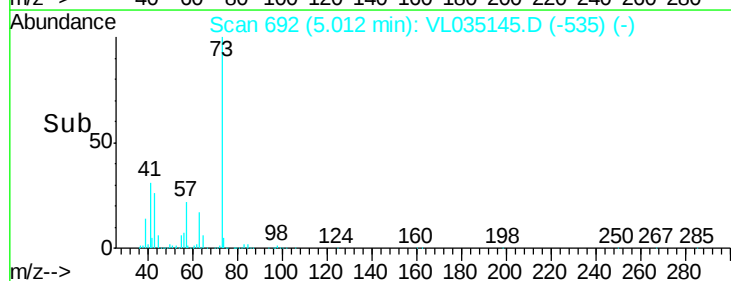
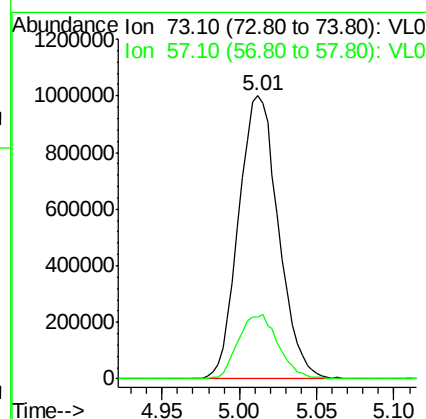
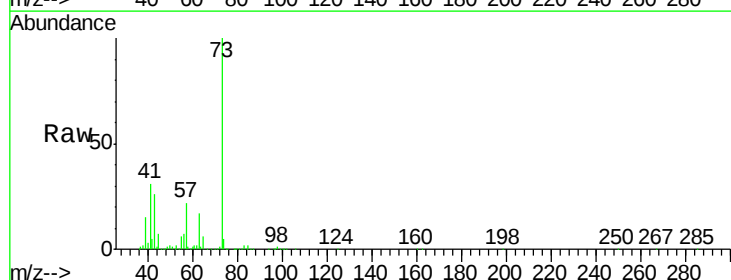
Manual Integrations
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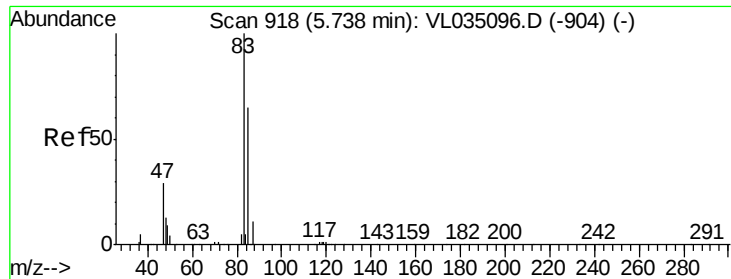
MMDadoda
7/9/2020 12:00:31 PM



#28
Methyl tert-Butyl Ether
Concen: 11.086 ppbv
RT: 5.01 min Scan# 692
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7





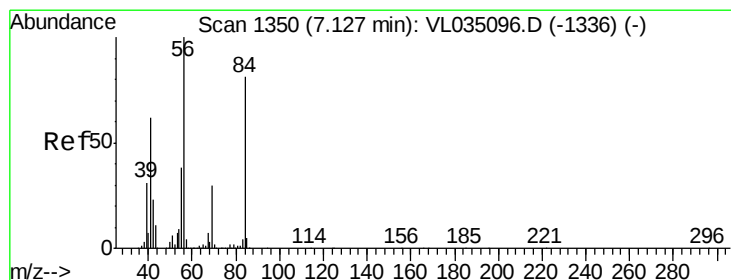
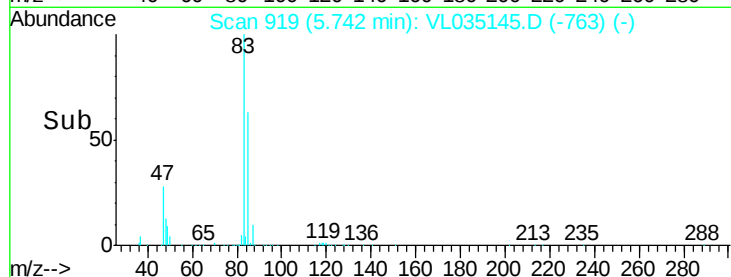
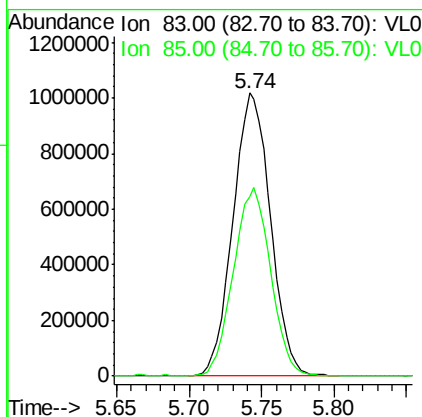
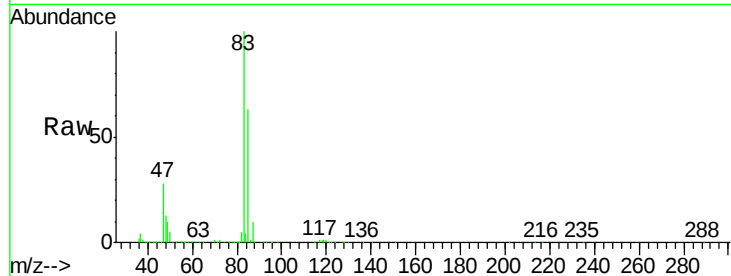
#29
Chloroform
Concen: 10.189 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 83 Resp: 1827259
Ion Ratio Lower Upper
83 100
85 63.2 52.1 78.1

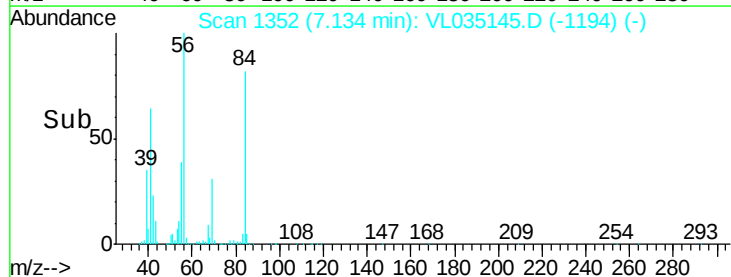
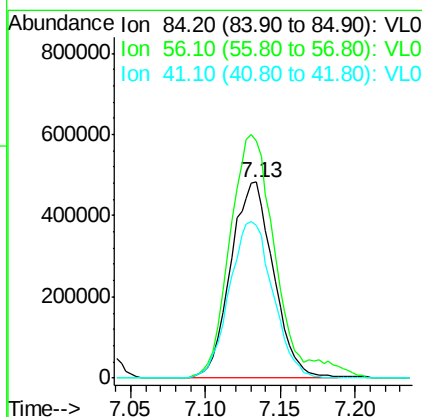
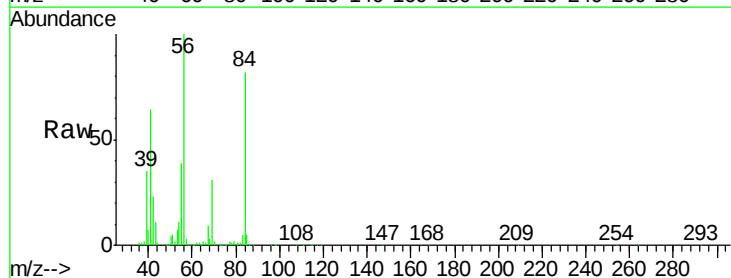
Manual Integrations
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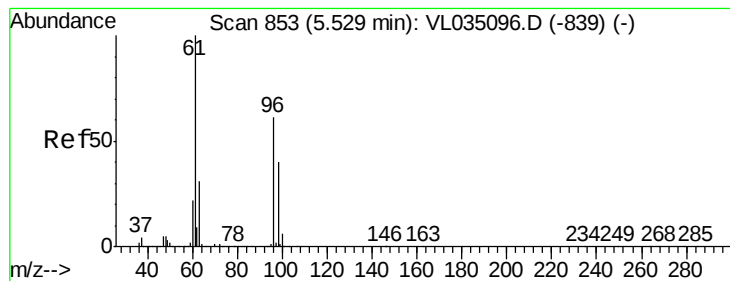
MMDadoda
7/9/2020 12:00:31 PM



#30
Cyclohexane
Concen: 11.580 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 84 Resp: 952411
Ion Ratio Lower Upper
84 100
56 134.2 108.0 162.0
41 81.7 65.6 98.4





#31

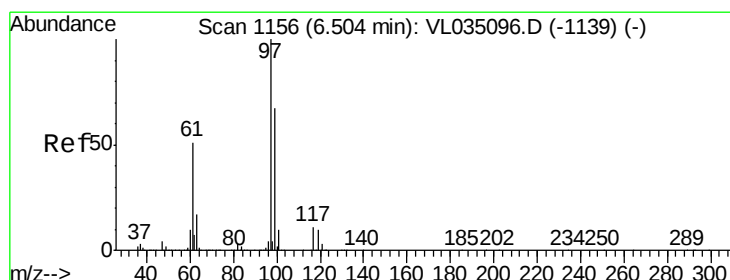
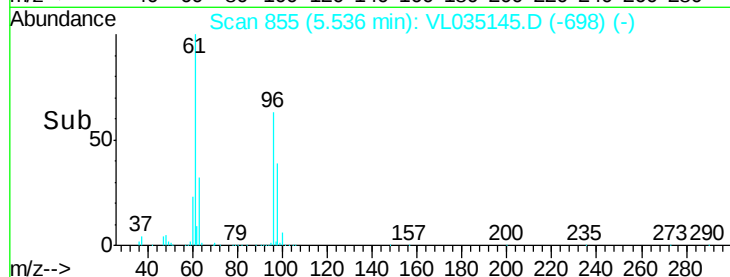
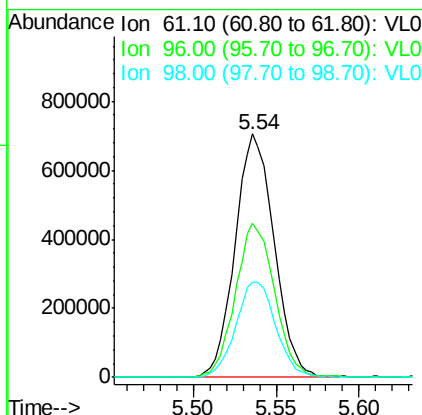
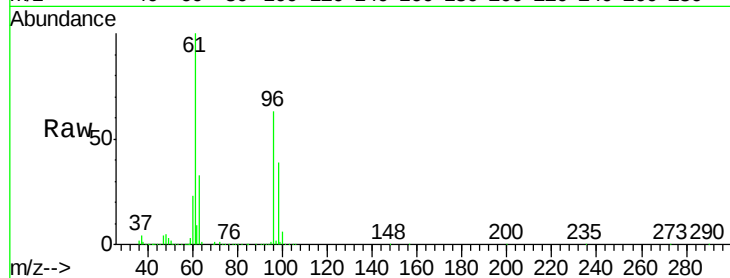
cis-1,2-Dichloroethene
 Concen: 10.930 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	48.8	73.2
98	39.2	31.9	47.9

Manual Integrations
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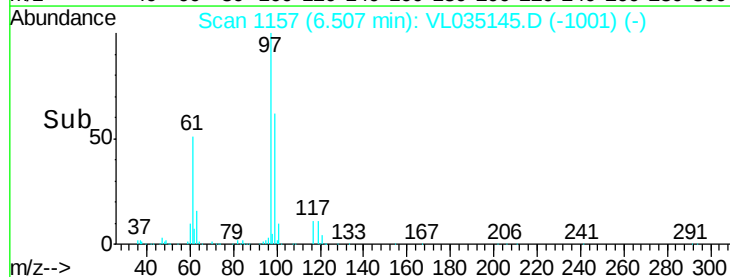
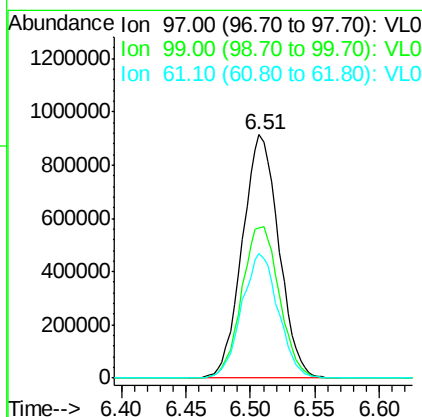
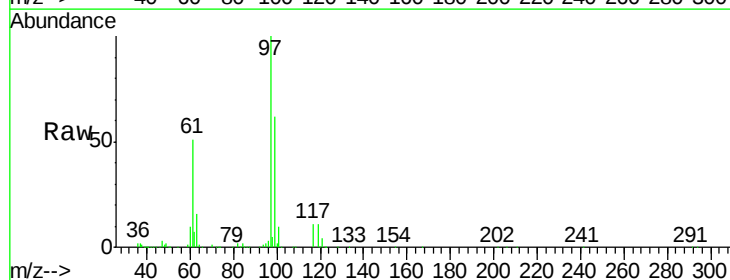
MMDadoda
 7/9/2020 12:00:31 PM

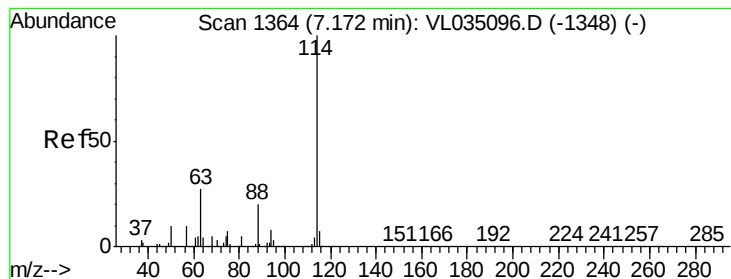


#32

1,1,1-Trichloroethane
 Concen: 10.851 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	51.3	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:114 Resp: 2783010

Ion Ratio Lower Upper

114 100

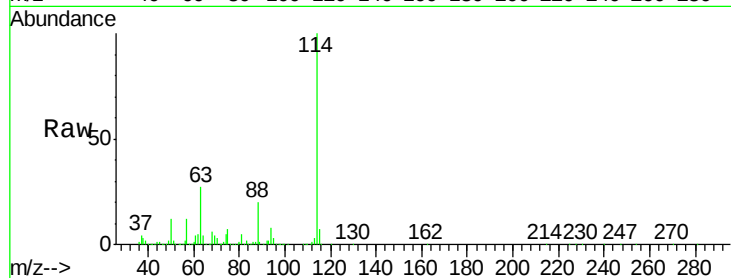
63 27.8 21.9 32.9

88 19.6 15.6 23.4

Manual Integrations
APPROVED

MMDadoda

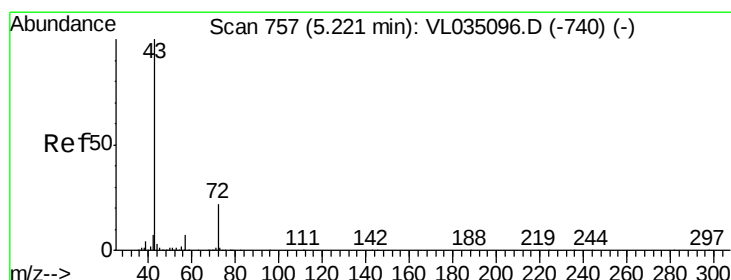
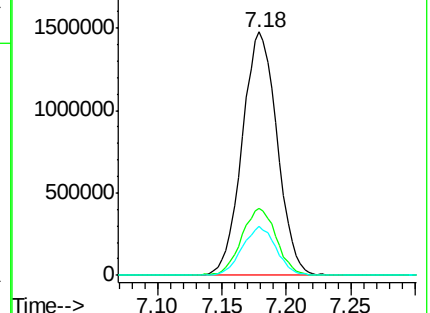
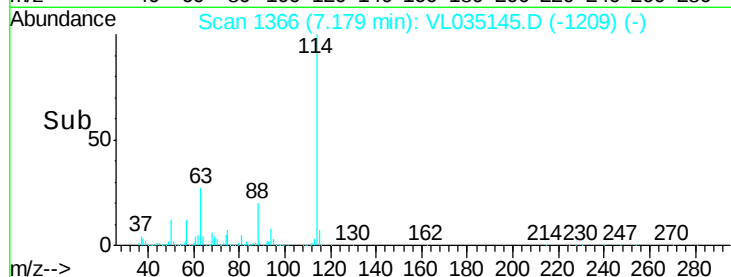
7/9/2020 12:00:31 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.125 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.01 min

Lab File: VL035145.D

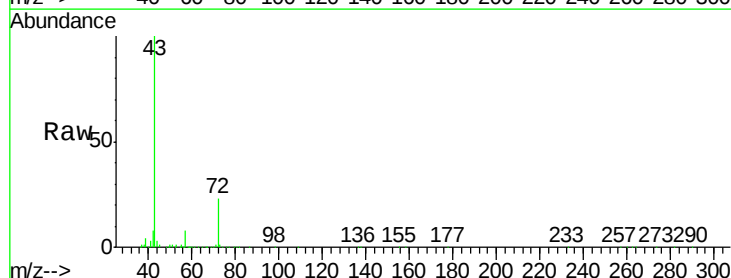
Acq: 6 Jul 2020 13:01

Tgt Ion: 43 Resp: 1618123

Ion Ratio Lower Upper

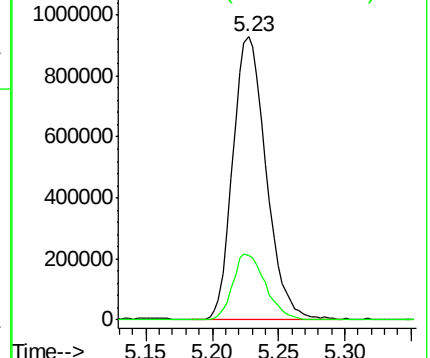
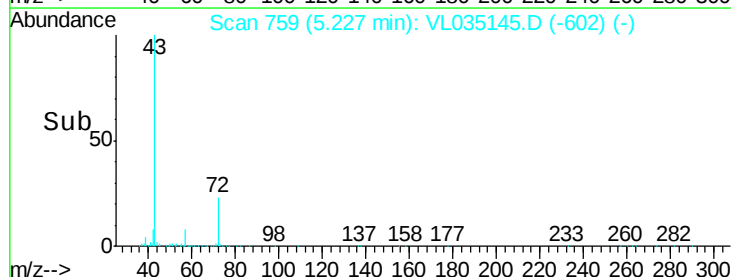
43 100

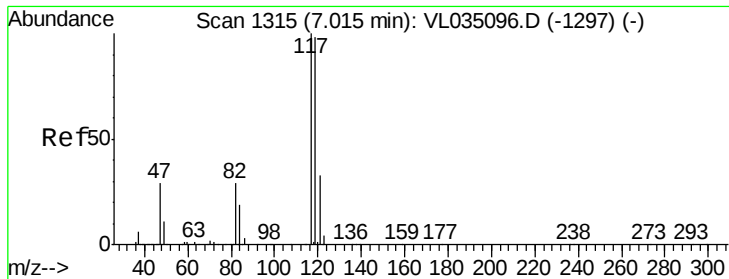
72 23.1 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.161 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:117 Resp: 1862872

Ion Ratio Lower Upper

117 100

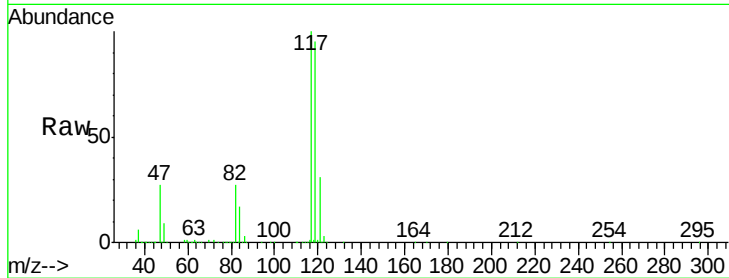
119 95.3 78.3 117.5

121 31.4 26.0 39.0

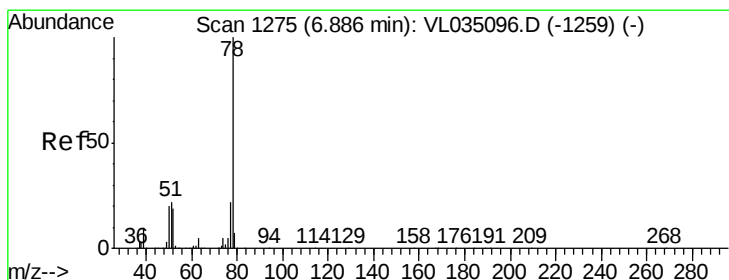
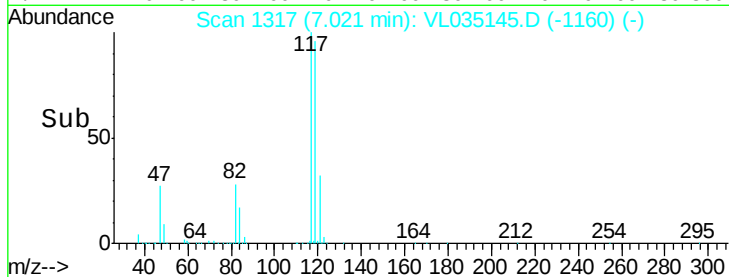
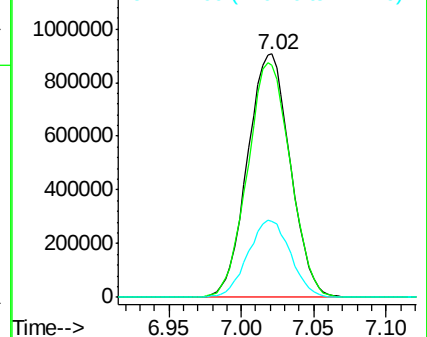
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.464 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

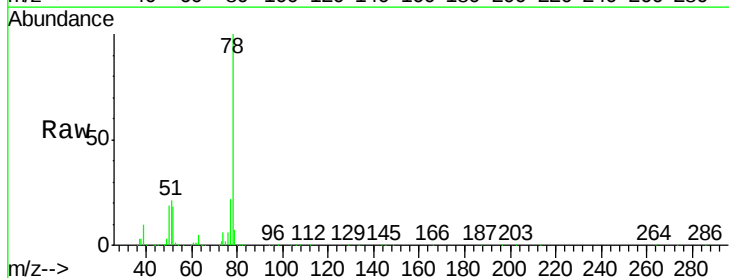
Tgt Ion: 78 Resp: 2254946

Ion Ratio Lower Upper

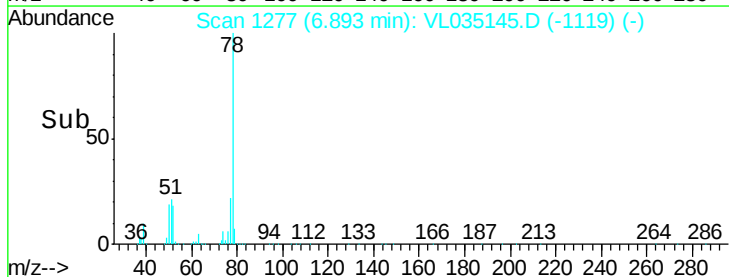
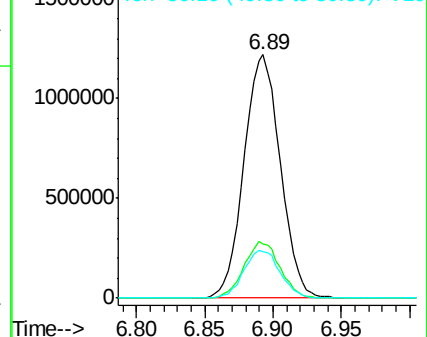
78 100

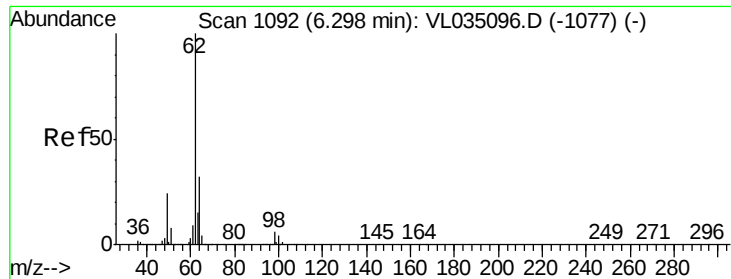
77 22.3 17.8 26.6

50 19.0 16.2 24.2



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





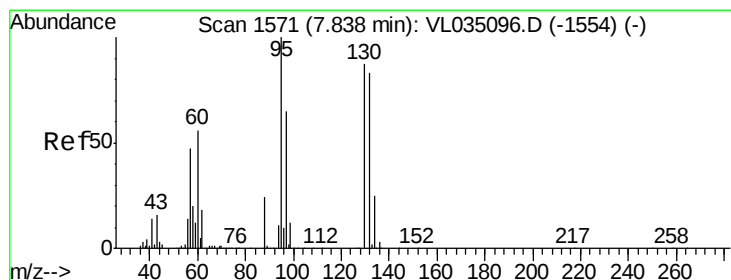
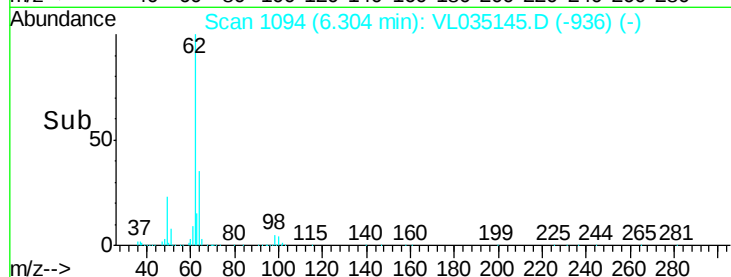
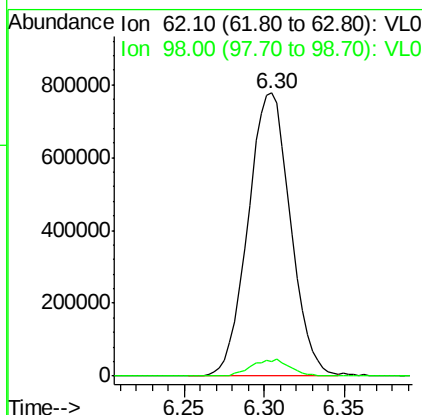
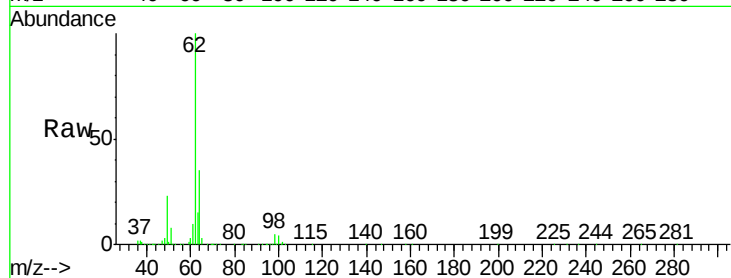
#37
 1,2-Dichloroethane
 Concen: 10.355 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion: 62 Resp: 1410307
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.8 7.2

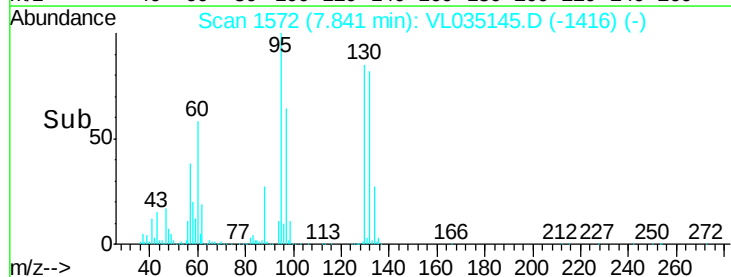
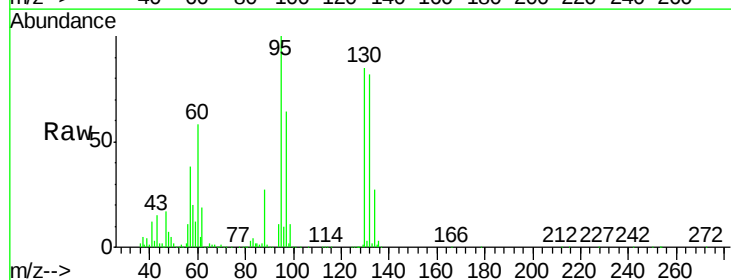
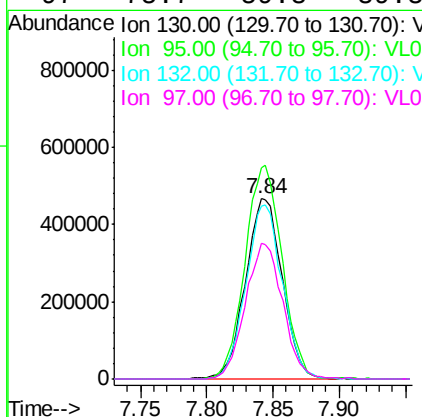
Manual Integrations
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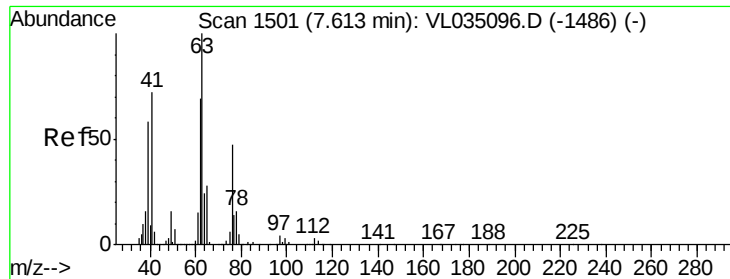
MMDadoda
 7/9/2020 12:00:31 PM



#38
 Trichloroethene
 Concen: 10.720 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:130 Resp: 897316
 Ion Ratio Lower Upper
 130 100
 95 117.6 91.4 137.2
 132 96.1 75.8 113.6
 97 75.7 59.8 89.8





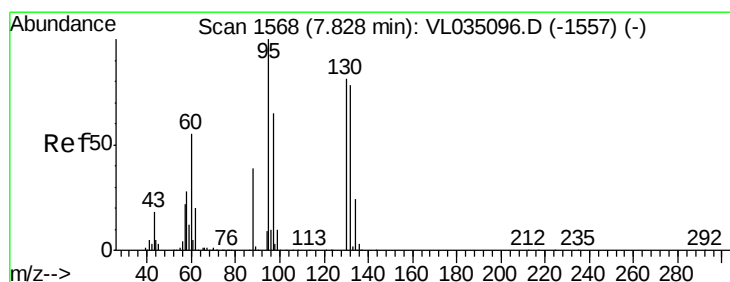
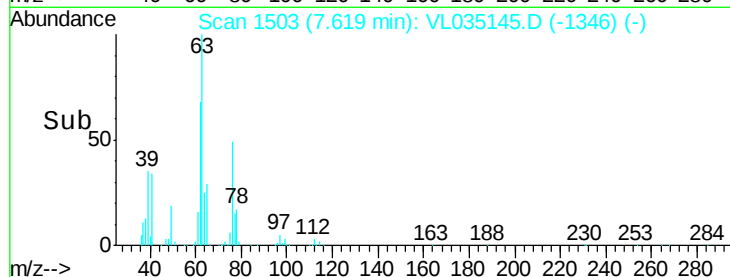
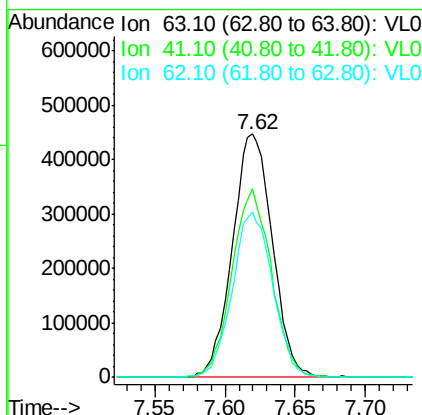
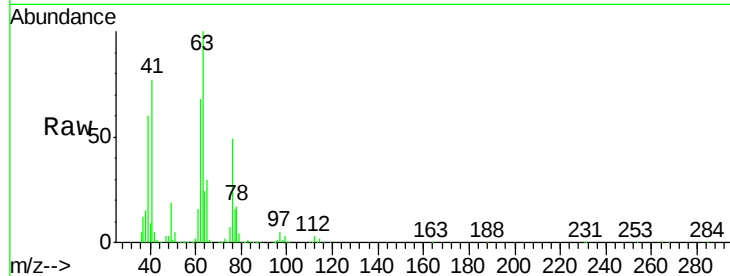
#39
 1,2-Dichloropropane
 Concen: 10.521 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.1	58.0	87.0
62	67.9	55.4	83.0

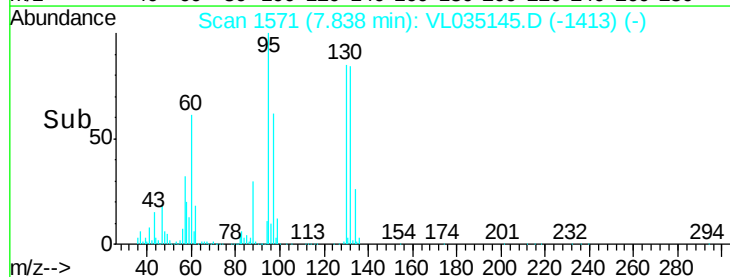
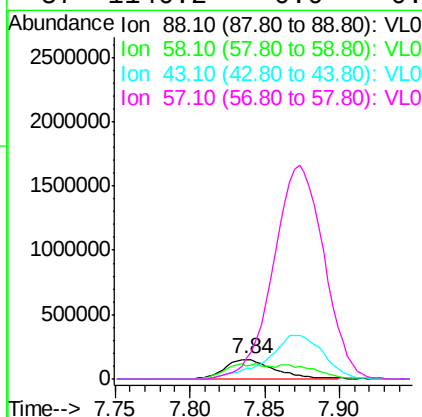
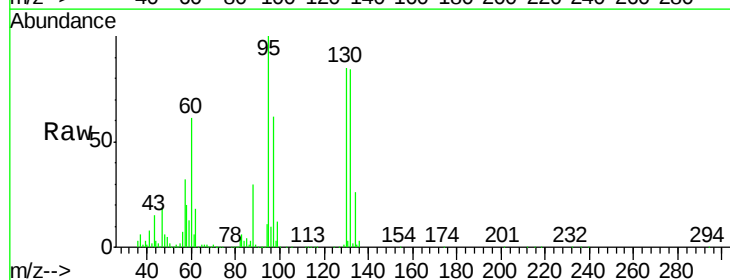
Manual Integrations
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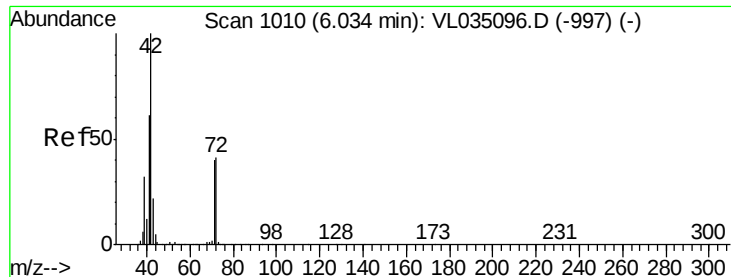
MMDadoda
 7/9/2020 12:00:31 PM



#40
 1,4-Dioxane
 Concen: 10.247 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.0	110.2	165.4
43	261.2	0.0	0.0#
57	1146.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.695 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

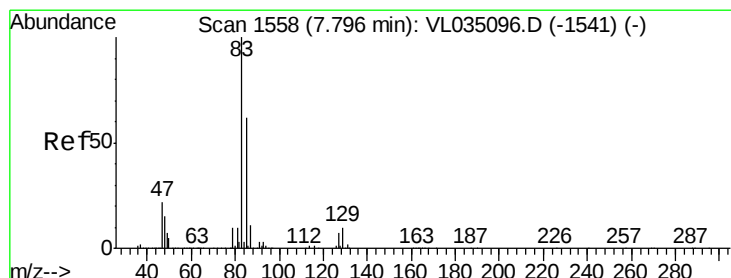
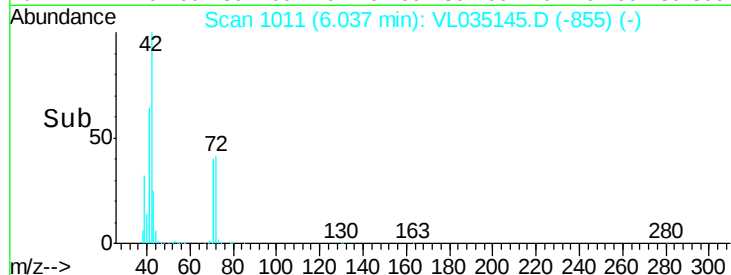
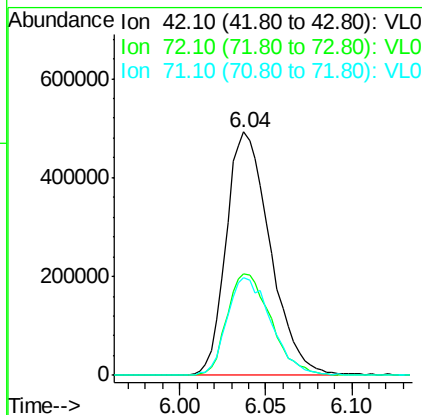
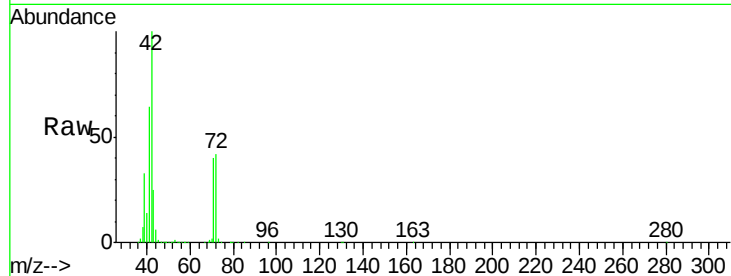
ClientSampleId :

VL0706ABS01

Tot Ion:	42	Resp:	873028
Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.4	50.2
71	40.8	31.8	47.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 11.161 ppbv

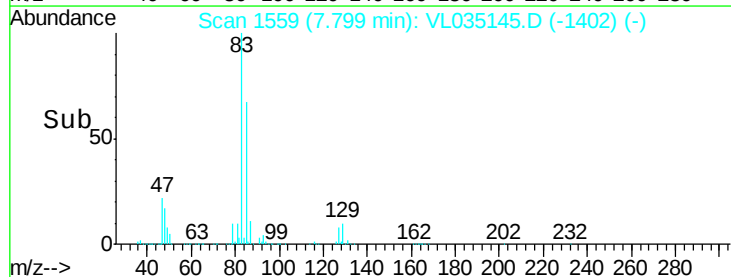
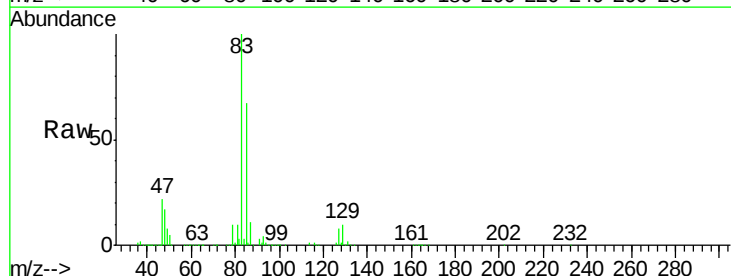
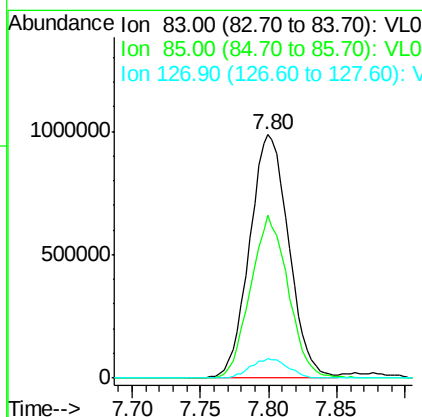
RT: 7.80 min Scan# 1559

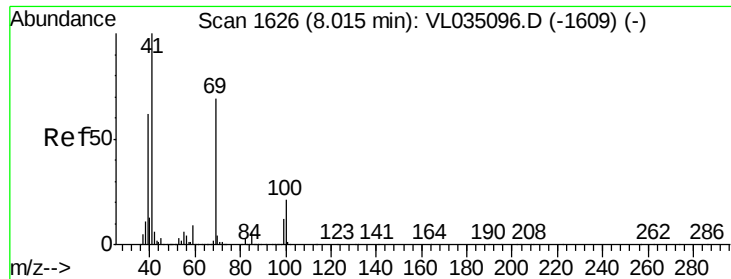
Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion:	83	Resp:	1968667
Ion	Ratio	Lower	Upper
83	100		
85	67.1	49.4	74.0
127	8.0	5.9	8.9





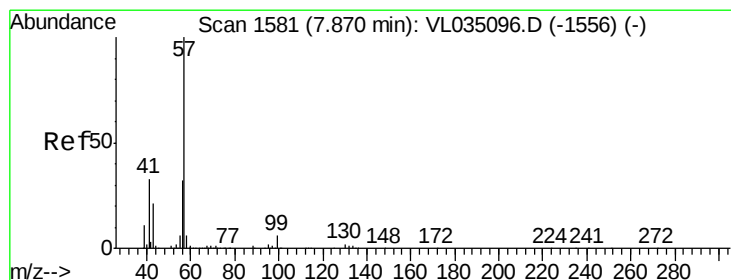
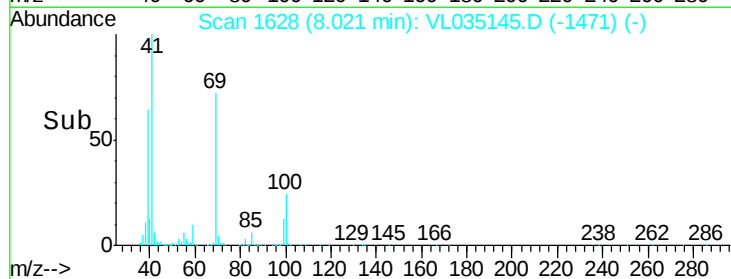
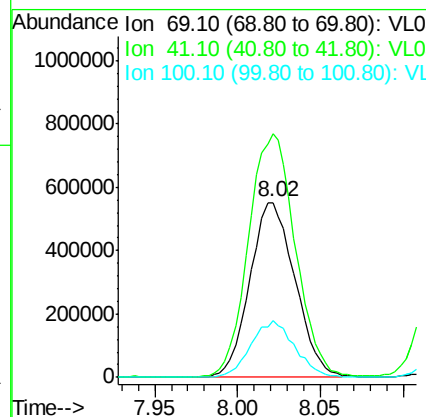
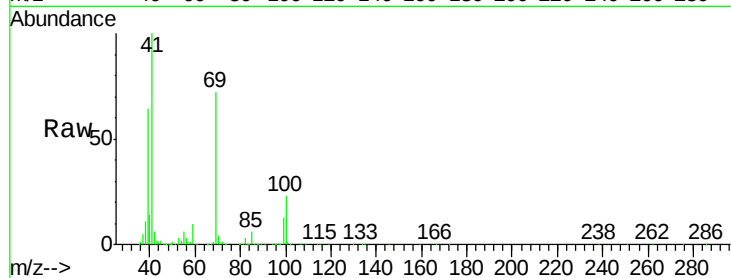
#43
Methvl Methacrylate
Concen: 11.440 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 69 Resp: 1043572
Ion Ratio Lower Upper
69 100
41 144.2 116.4 174.6
100 31.5 25.3 37.9

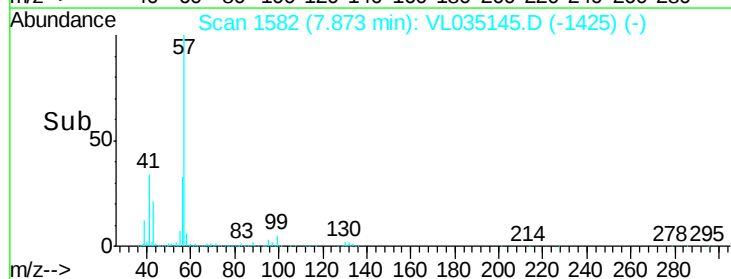
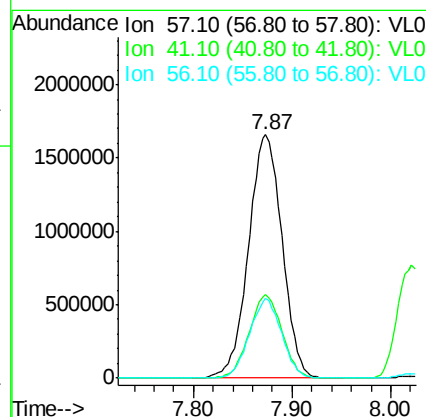
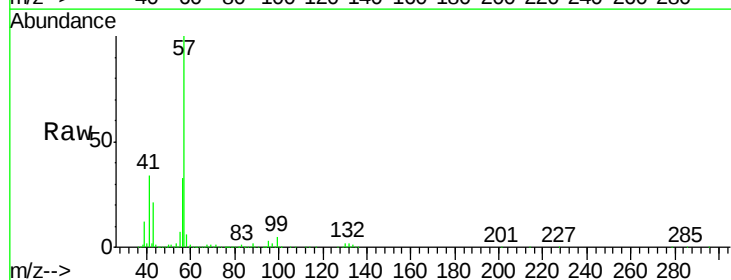
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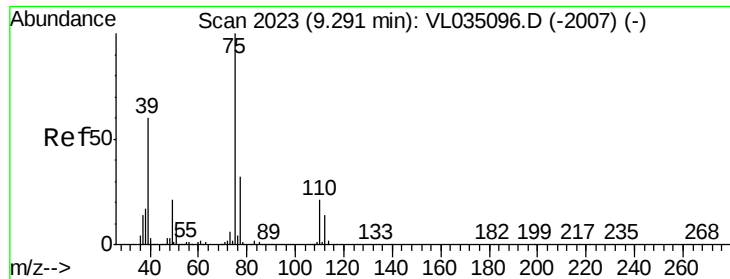
MMDadoda
7/9/2020 12:00:31 PM



#44
2,2,4-Trimethylpentane
Concen: 10.371 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 57 Resp: 3900753
Ion Ratio Lower Upper
57 100
41 33.6 26.2 39.2
56 31.3 25.4 38.2





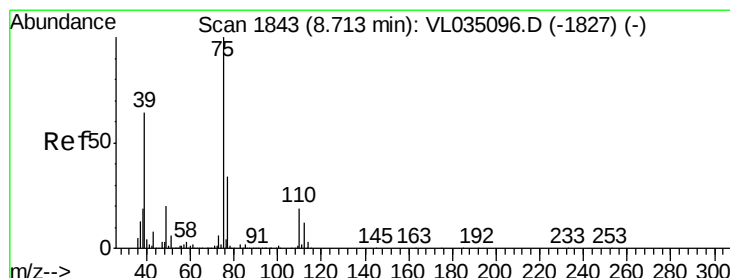
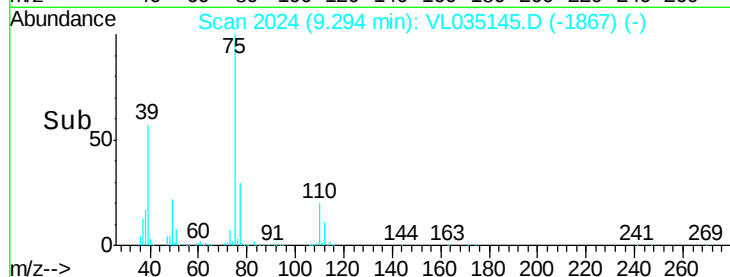
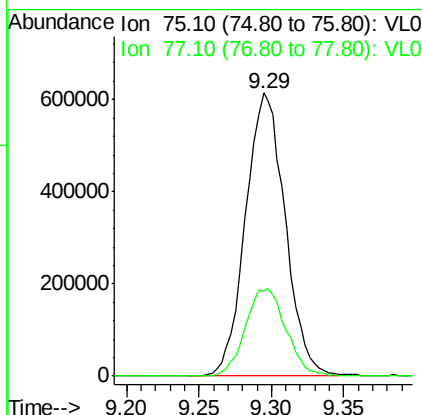
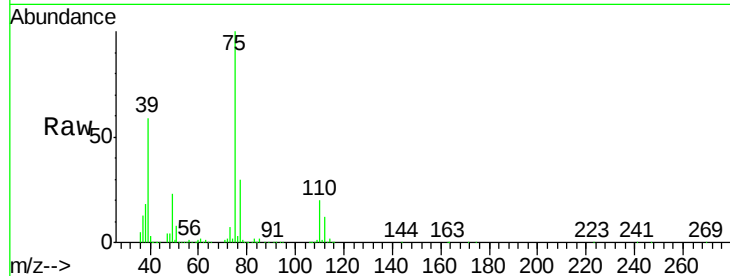
#45
t-1,3-Dichloropropene
Concen: 13.154 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 75 Resp: 1167755
Ion Ratio Lower Upper
75 100
77 30.1 25.5 38.3

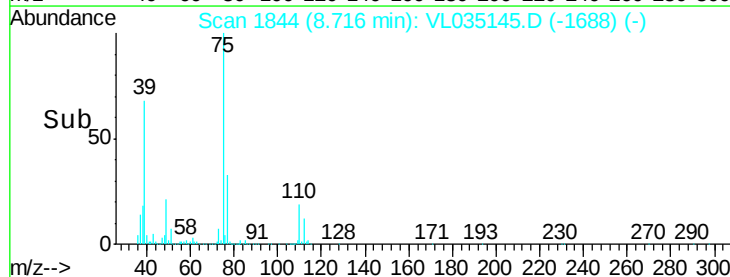
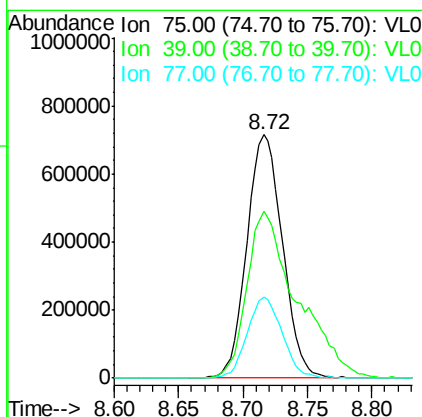
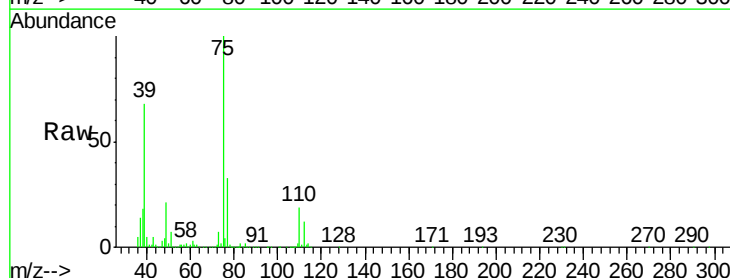
Manual Integrations
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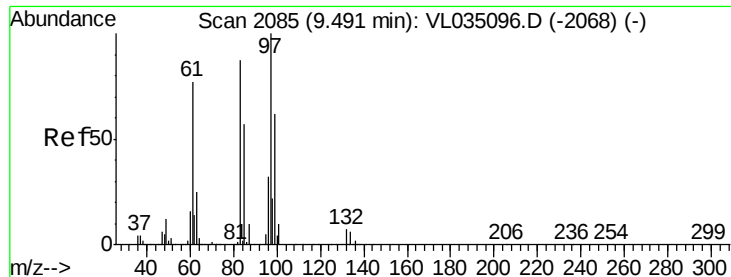
MMDadoda
7/9/2020 12:00:31 PM



#46
cis-1,3-Dichloropropene
Concen: 12.513 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 75 Resp: 1379945
Ion Ratio Lower Upper
75 100
39 68.2 51.1 76.7
77 33.5 26.9 40.3





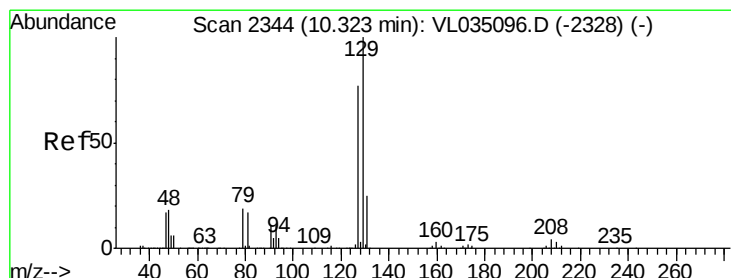
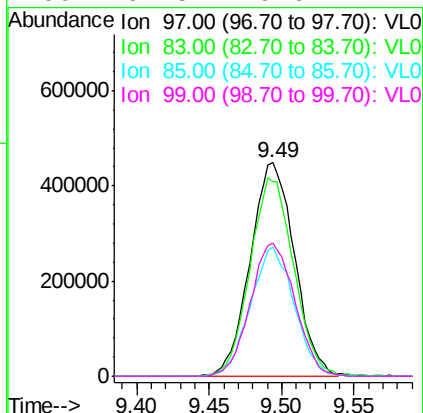
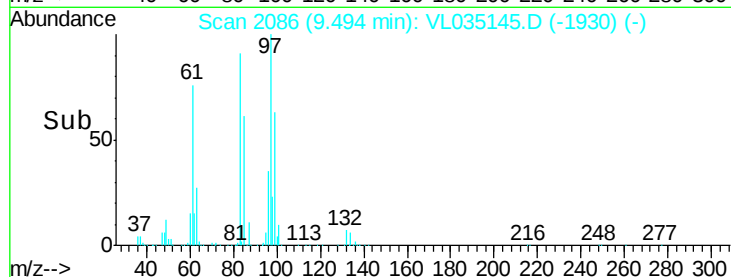
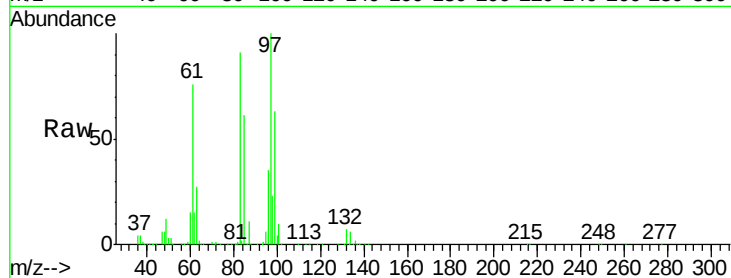
#47
 1,1,2-Trichloroethane
 Concen: 10.366 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:	97	Resp:	953534
Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.5	104.3
85	60.6	46.0	69.0
99	62.5	49.6	74.4

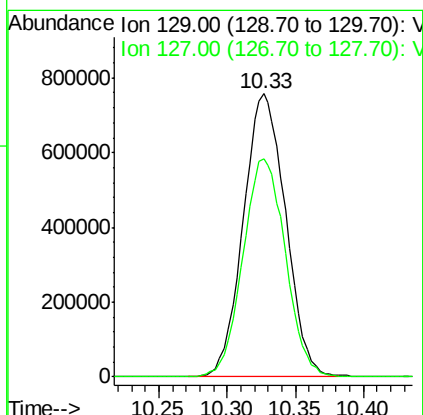
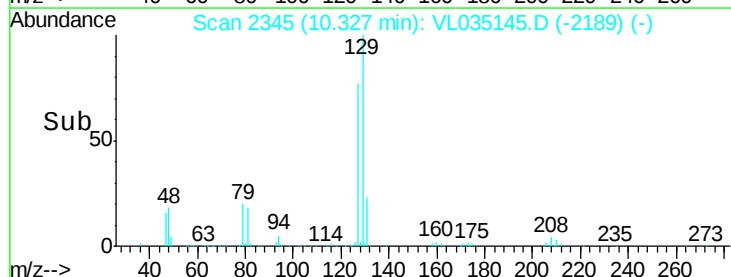
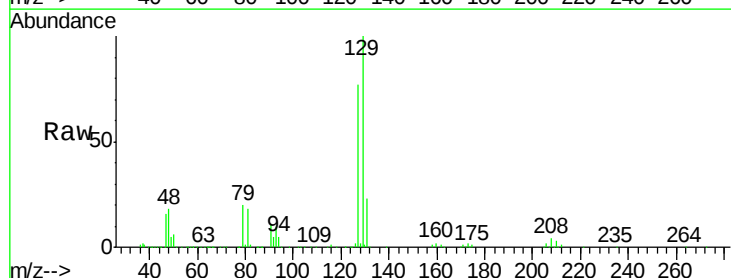
Manual Integrations
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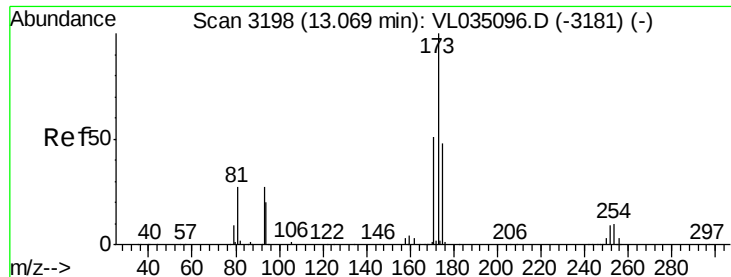
MMDadoda
 7/9/2020 12:00:31 PM



#48
 Dibromochloromethane
 Concen: 11.871 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:	129	Resp:	1627929
Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8





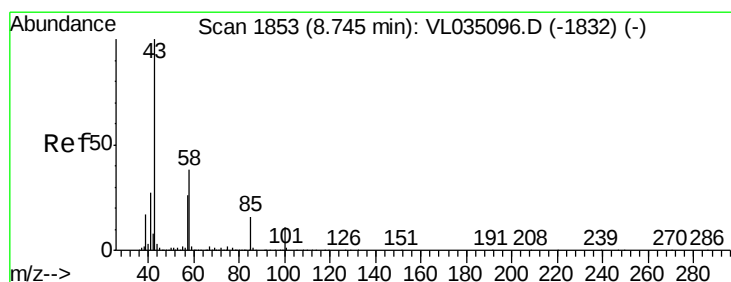
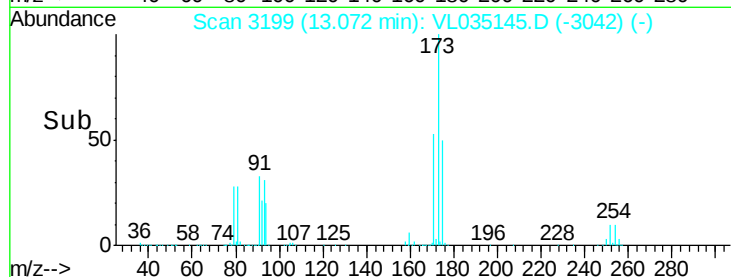
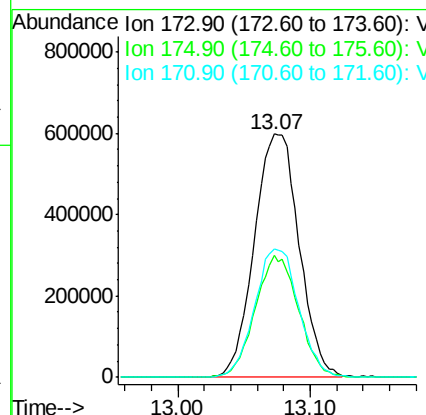
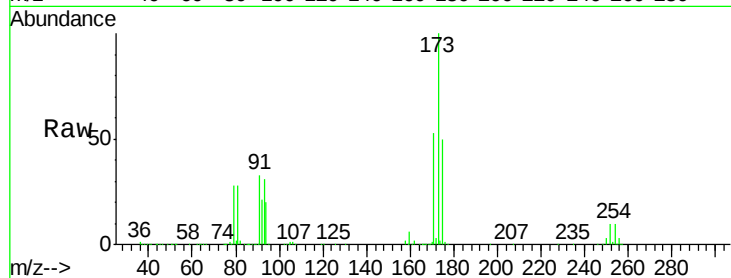
#49
Bromoform
Concen: 12.058 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:173 Resp: 1404732
Ion Ratio Lower Upper
173 100
175 48.8 39.1 58.7
171 52.2 41.7 62.5

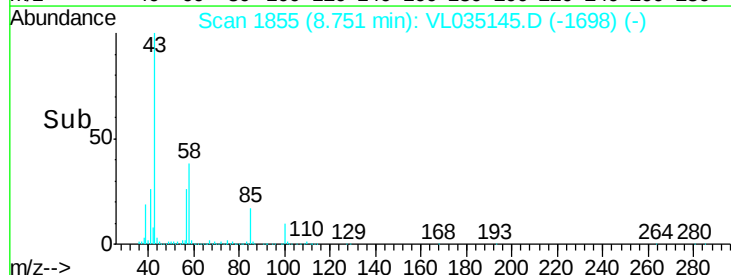
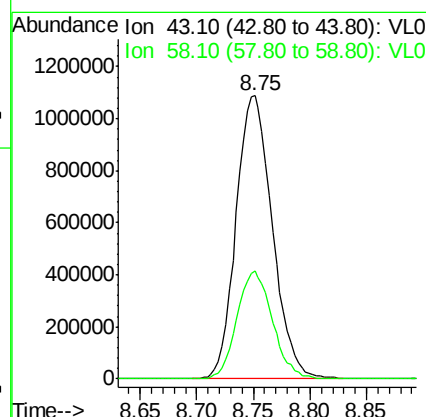
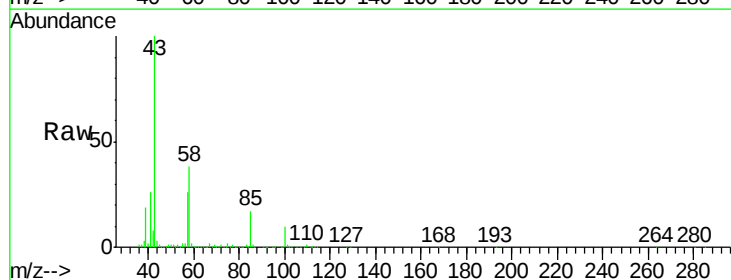
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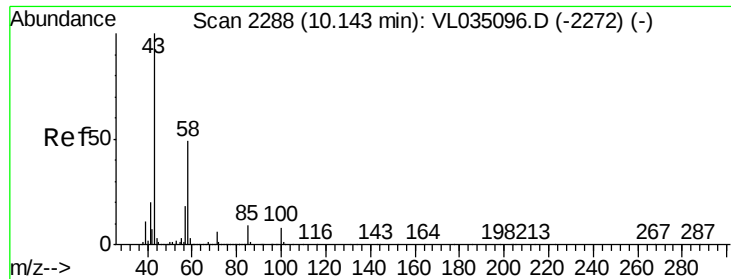
MMDadoda
7/9/2020 12:00:31 PM



#50
4-Methyl-2-Pentanone
Concen: 10.696 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 43 Resp: 2428812
Ion Ratio Lower Upper
43 100
58 37.4 29.4 44.0





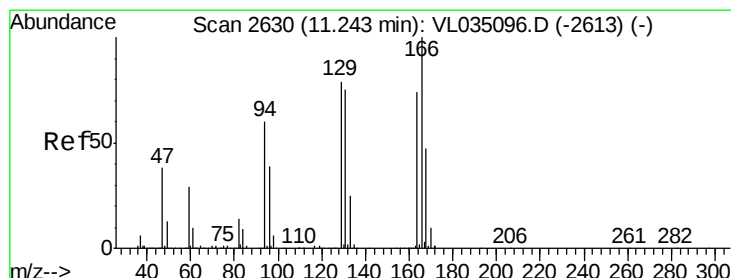
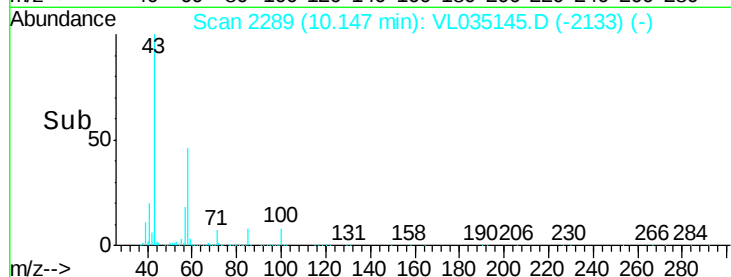
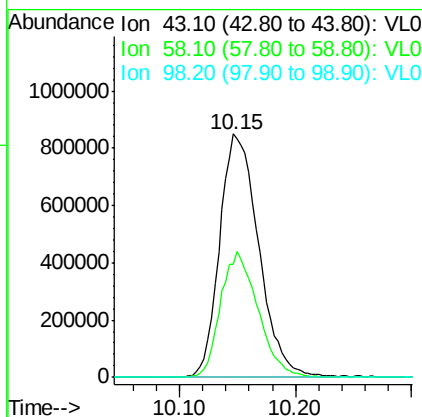
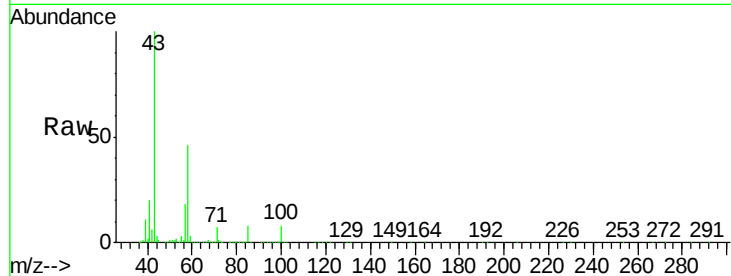
#51
2-Hexanone
Concen: 11.017 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 43 Resp: 1959122
Ion Ratio Lower Upper
43 100
58 50.2 39.2 58.8
98 0.3 0.3 0.5

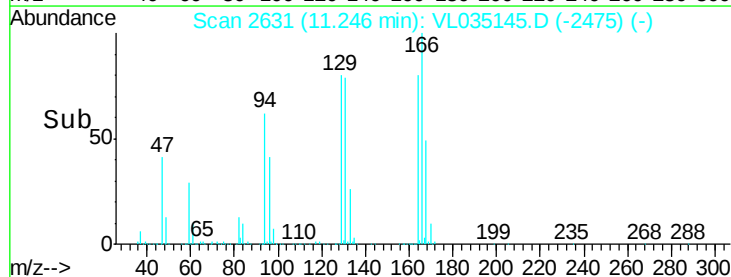
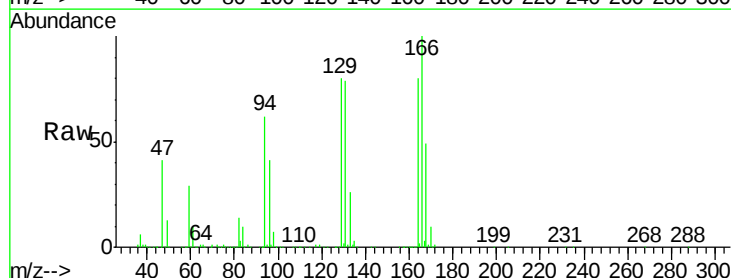
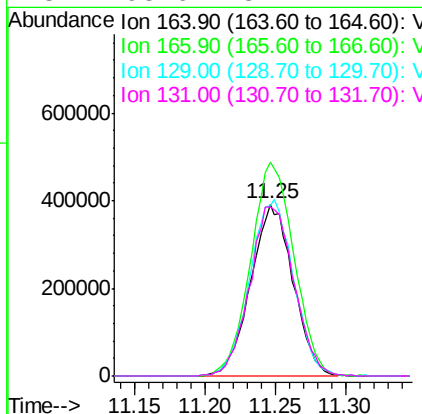
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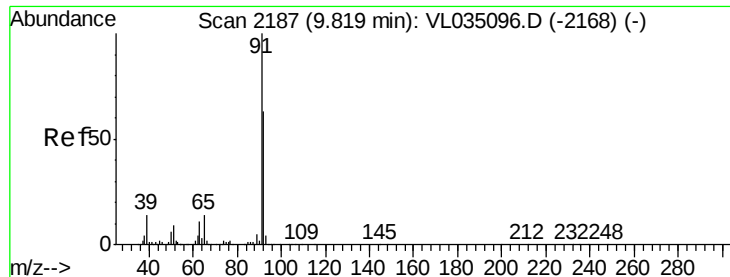
MMDadoda
7/9/2020 12:00:31 PM



#52
Tetrachloroethene
Concen: 10.777 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 164 Resp: 818367
Ion Ratio Lower Upper
164 100
166 124.6 107.5 161.3
129 99.5 84.9 127.3
131 98.6 81.1 121.7





#53

Toluene

Concen: 11.613 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 91 Resp: 2669318

Ion Ratio Lower Upper

91 100

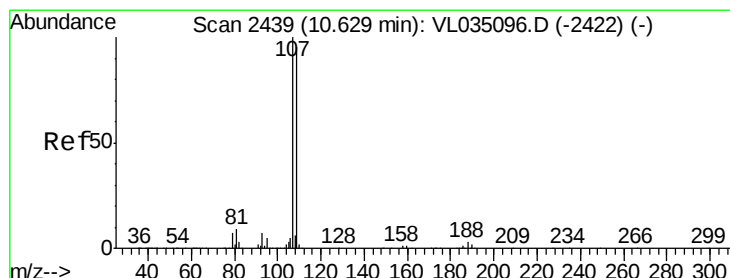
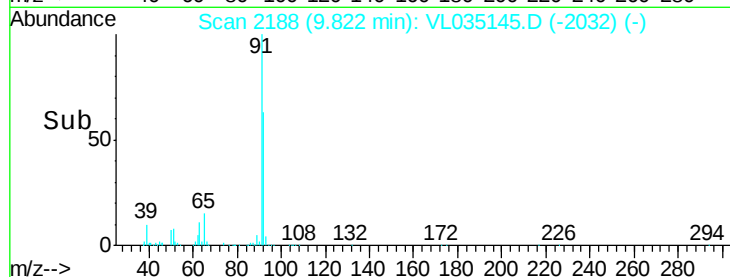
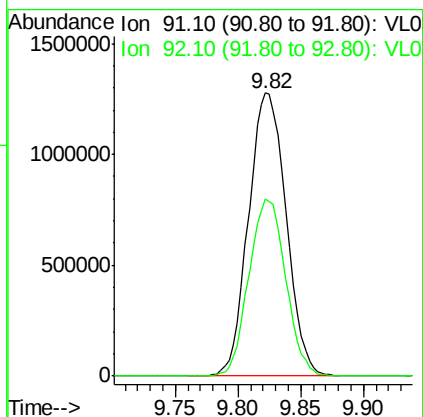
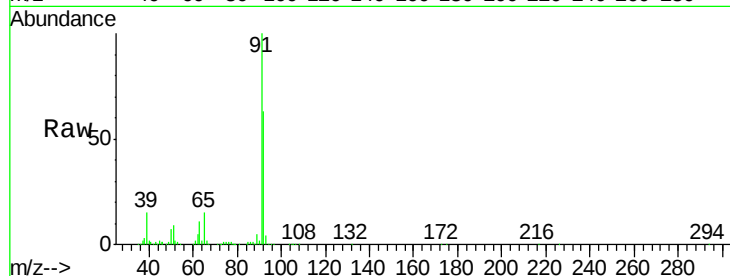
92 61.1 49.0 73.6

Manual Integrations

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7/9/2020 12:00:31 PM



#54

1,2-Dibromoethane

Concen: 10.732 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035145.D

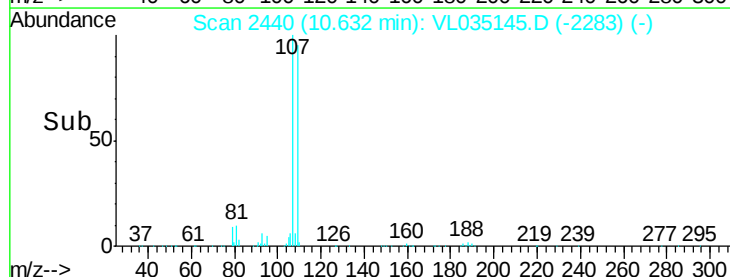
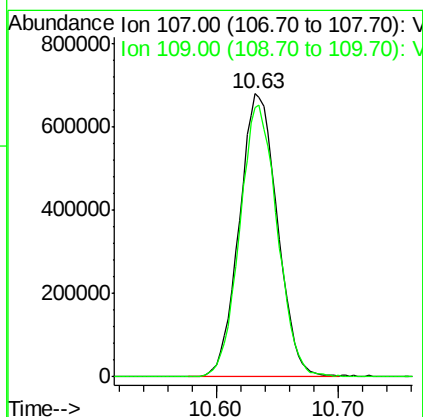
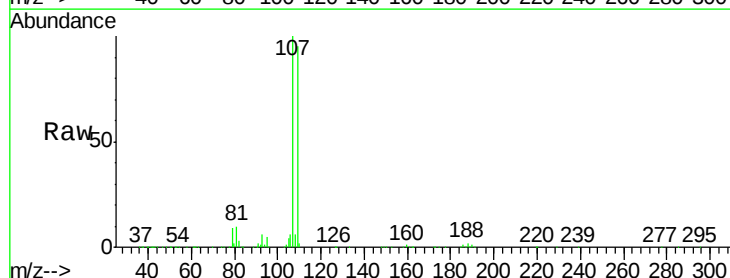
Acq: 6 Jul 2020 13:01

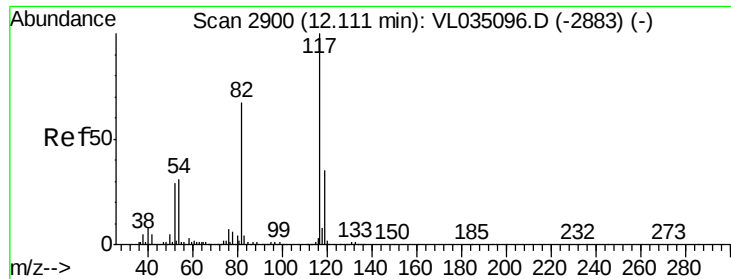
Tgt Ion: 107 Resp: 1461791

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9





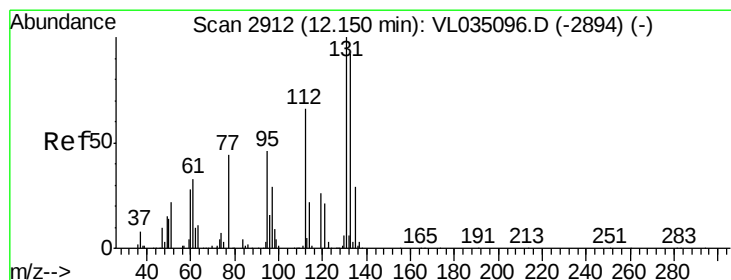
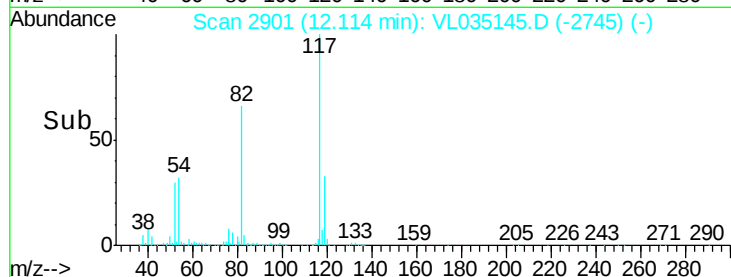
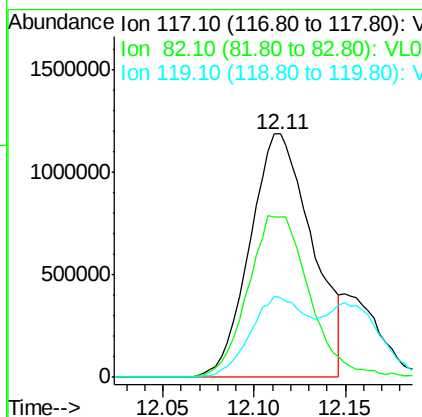
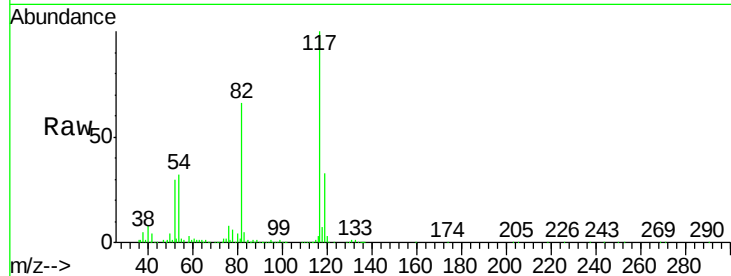
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:117 Resp: 2823870
Ion Ratio Lower Upper
117 100
82 66.0 50.4 75.6
119 30.4 25.4 38.0

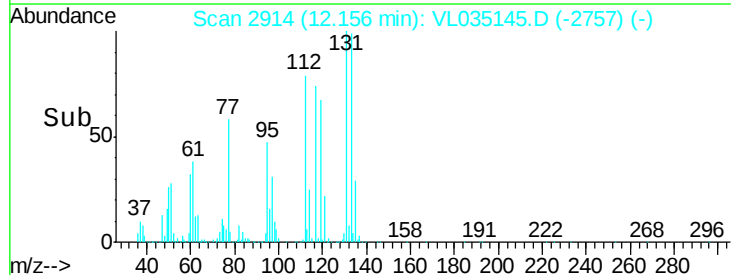
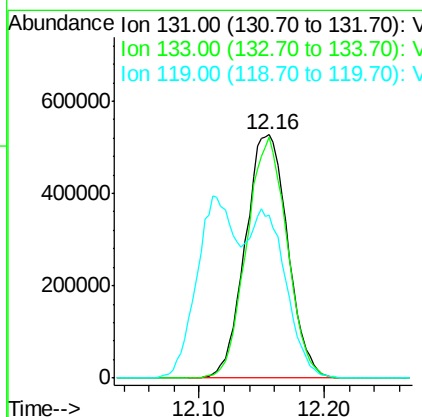
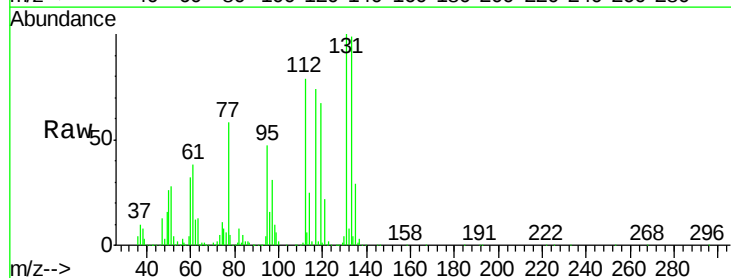
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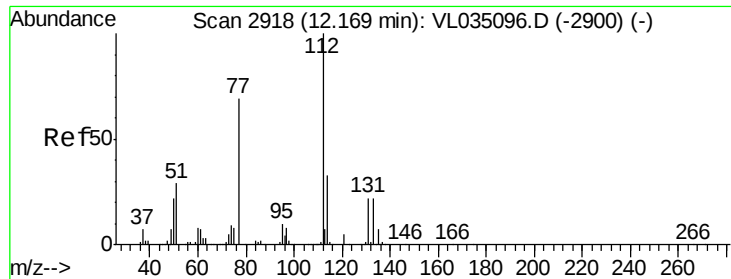
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7/9/2020 12:00:31 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.717 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion:131 Resp: 1238515
Ion Ratio Lower Upper
131 100
133 94.8 76.2 114.4
119 62.7 114.6 172.0#





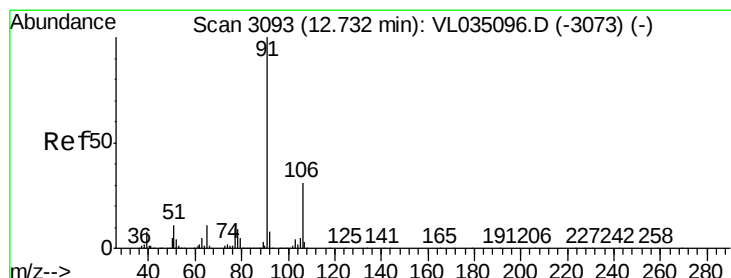
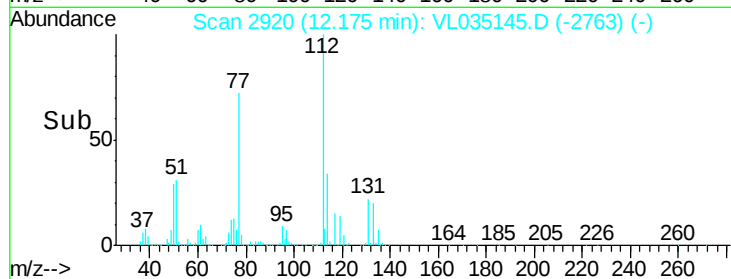
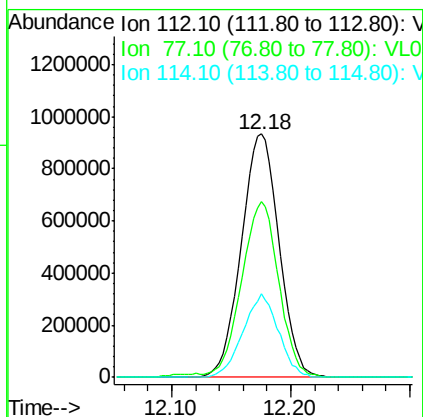
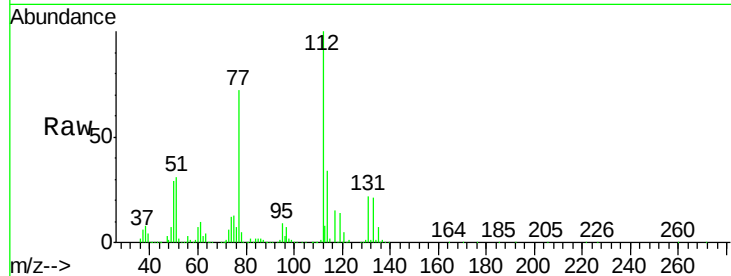
#57
Chlorobenzene
Concen: 9.871 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.0	56.7	85.1
114	34.4	29.3	35.9

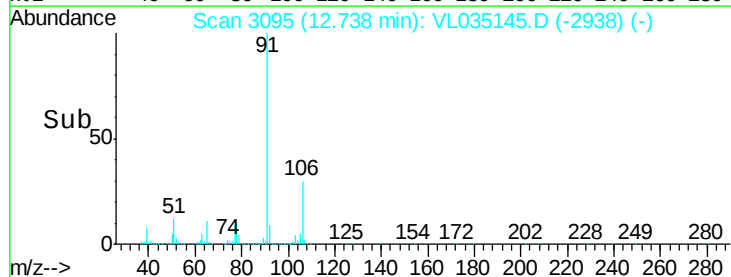
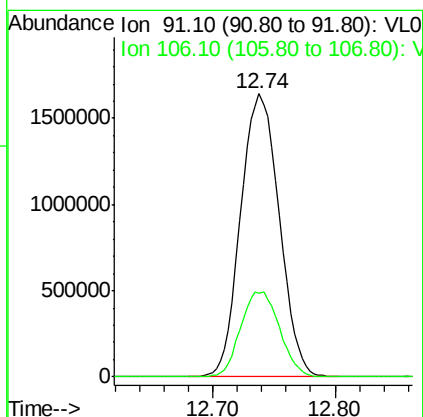
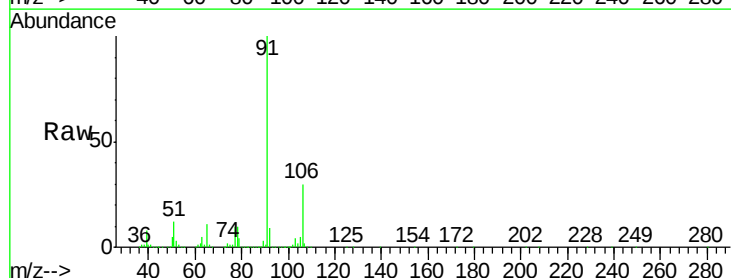
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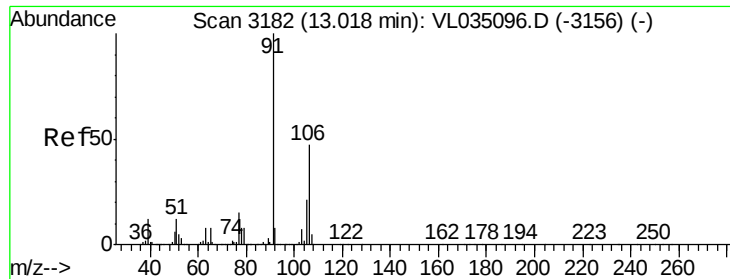
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#58
Ethyl Benzene
Concen: 11.322 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	25.0	37.6





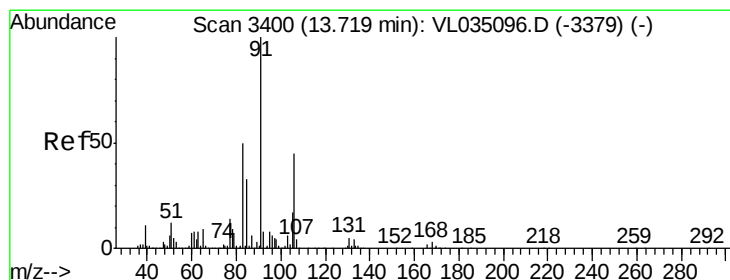
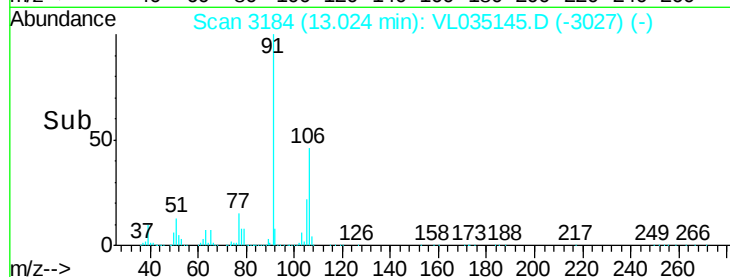
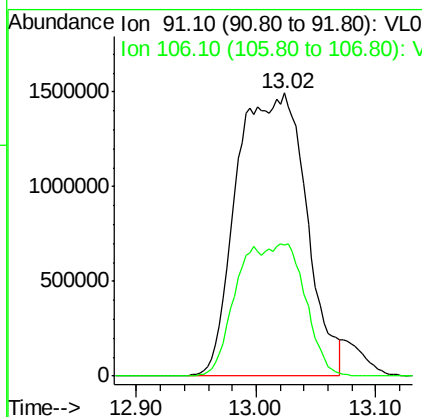
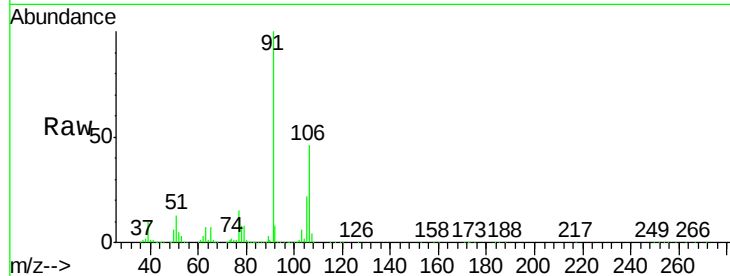
#59
m/p-Xylene
Concen: 21.280 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 91 Resp: 5983674
Ion Ratio Lower Upper
91 100
106 45.5 36.5 54.7

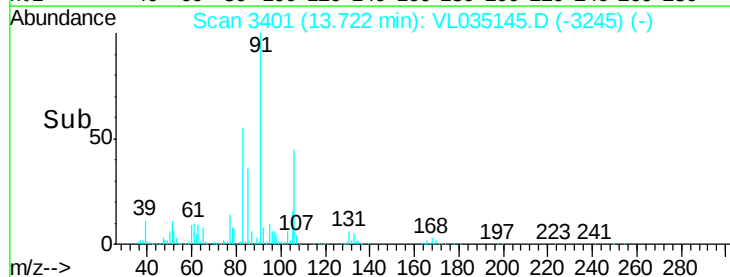
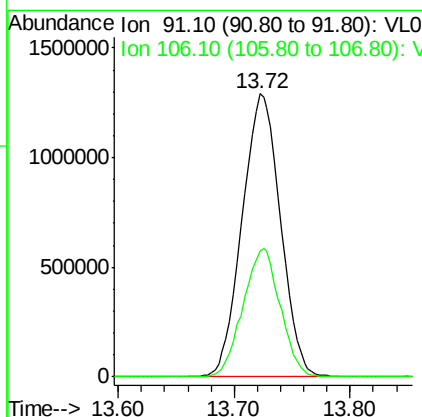
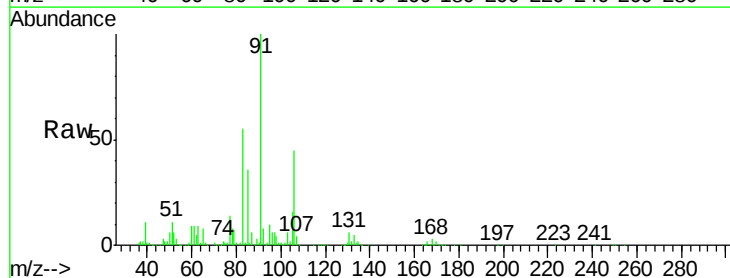
Manual Integrations
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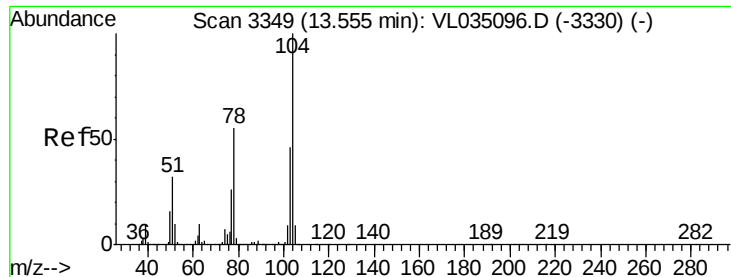
MMDadoda
7/9/2020 12:00:31 PM



#60
o-Xylene
Concen: 10.575 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 91 Resp: 2960298
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.5





#61

Stvrene

Concen: 11.975 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampled :

VL0706ABS01

Tot Ion:104 Resp: 2109507

Ion Ratio Lower Upper

104 100

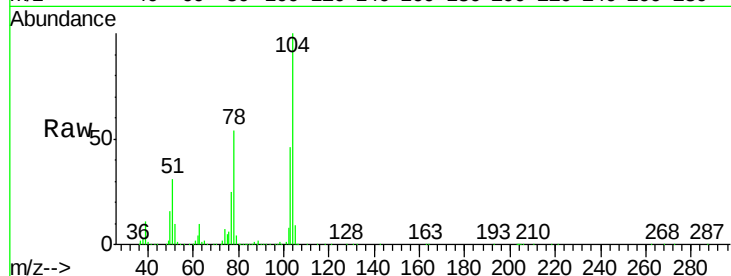
78 54.2 43.4 65.0

103 47.5 38.3 57.5

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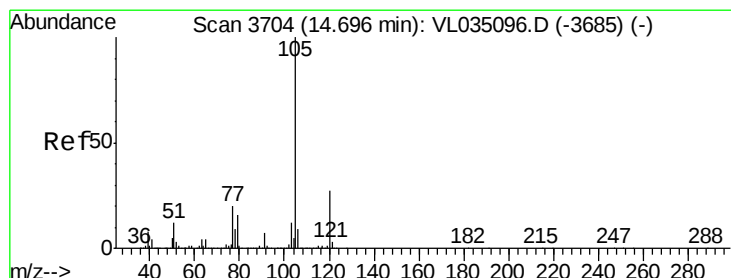
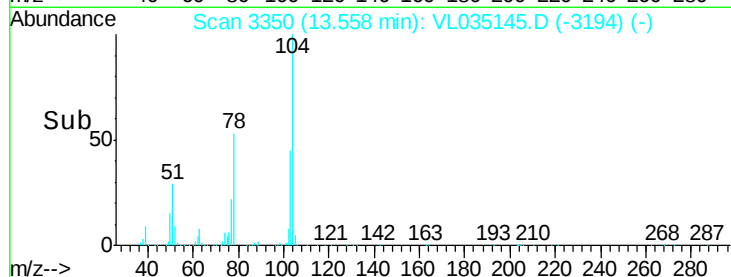
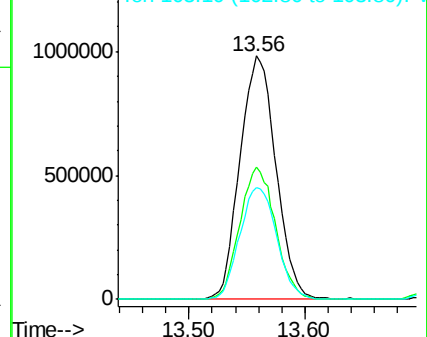
7/9/2020 12:00:31 PM



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: 10.452 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035145.D

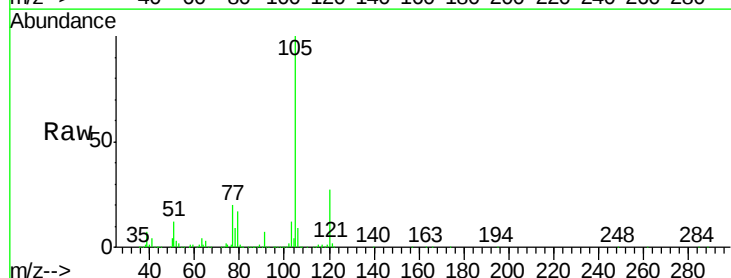
Acq: 6 Jul 2020 13:01

Tgt Ion:105 Resp: 4366295

Ion Ratio Lower Upper

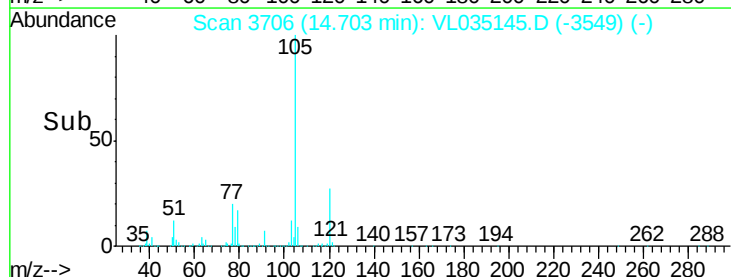
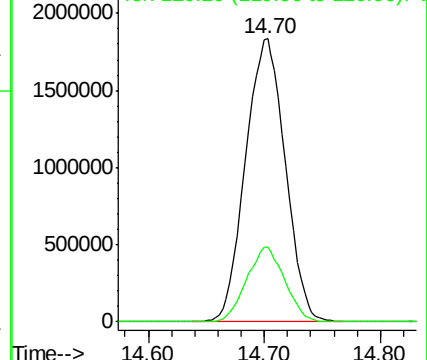
105 100

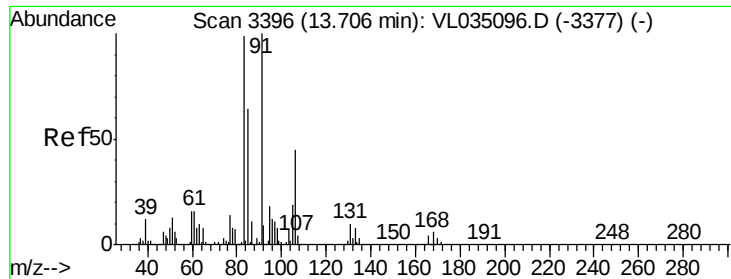
120 25.4 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





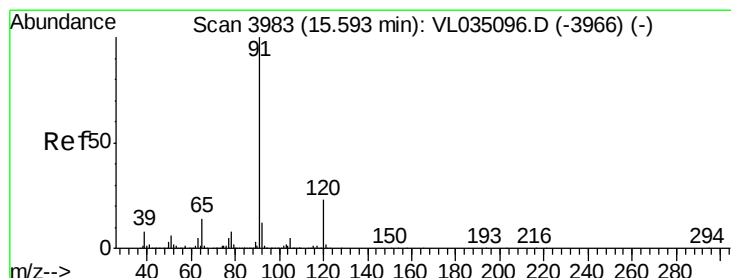
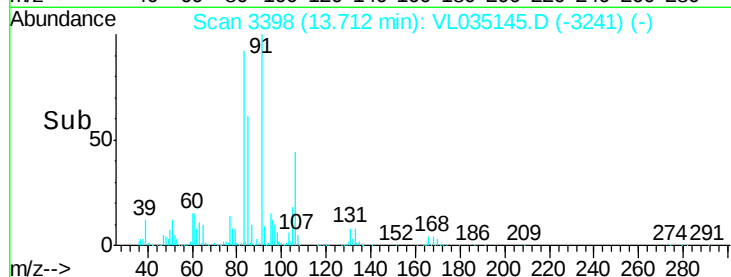
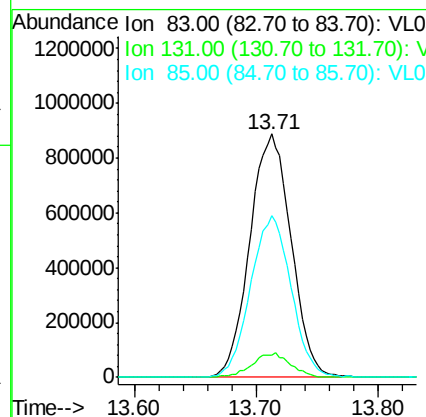
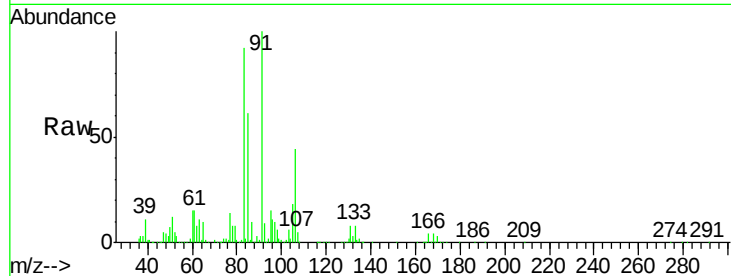
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.155 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	83	Resp	2075780
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	65.3	32.4	97.0

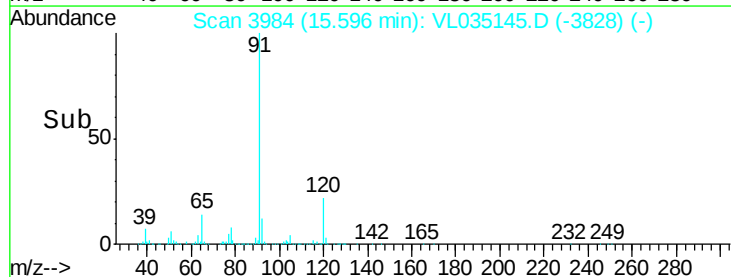
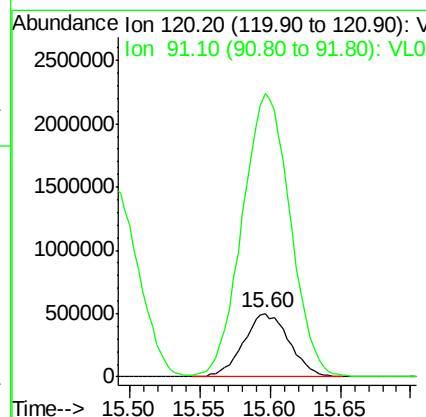
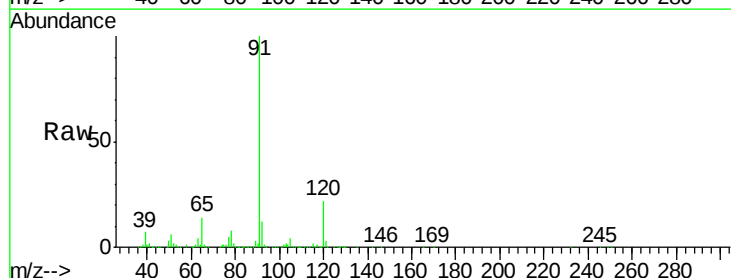
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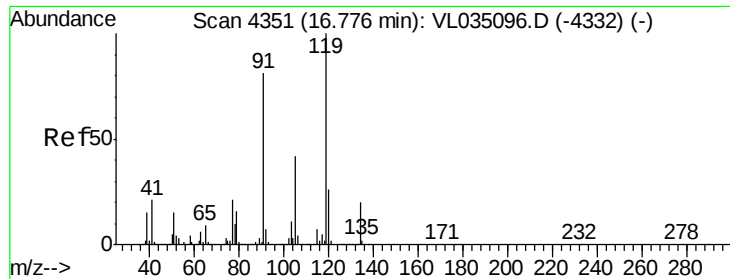
MMDadoda
 7/9/2020 12:00:31 PM



#64
 n-propylbenzene
 Concen: 10.642 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion	120	Resp	1134525
Ion Ratio	Lower	Upper	
120	100		
91	469.3	367.9	551.9





#65

tert-Butylbenzene

Concen: 10.584 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:119 Resp: 3785893

Ion Ratio Lower Upper

119 100

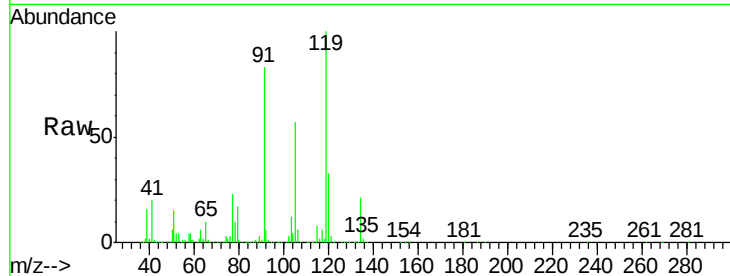
91 84.8 67.6 101.4

134 19.9 15.7 23.5

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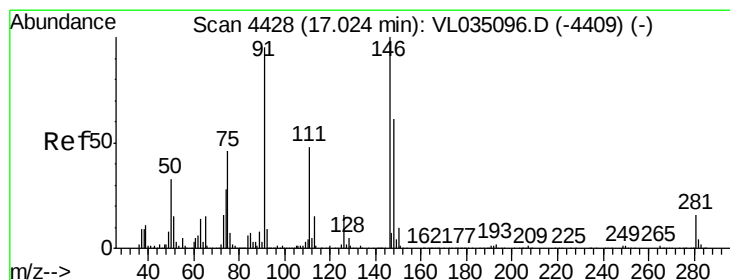
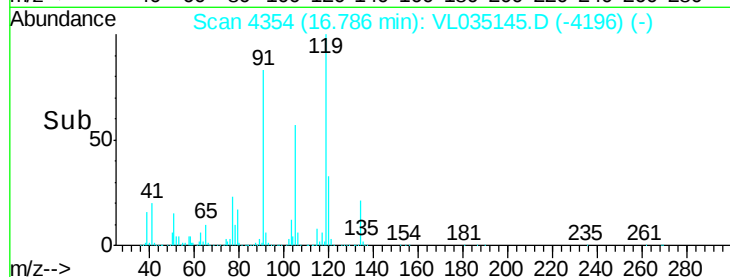
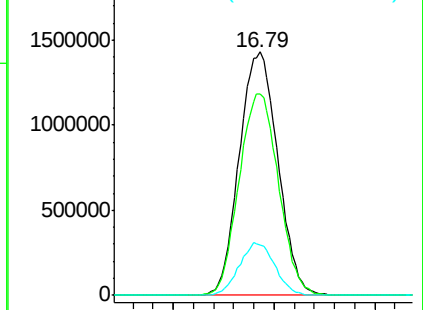
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 14.027 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

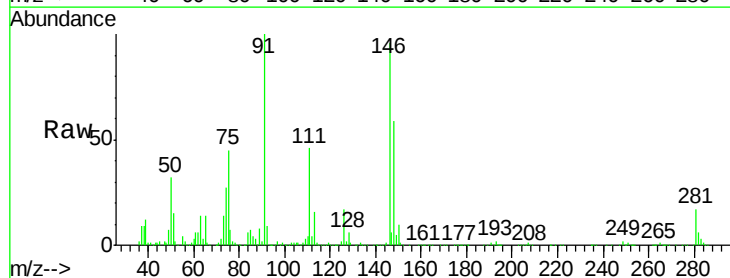
Tgt Ion: 91 Resp: 1549941

Ion Ratio Lower Upper

91 100

126 16.2 13.5 20.3

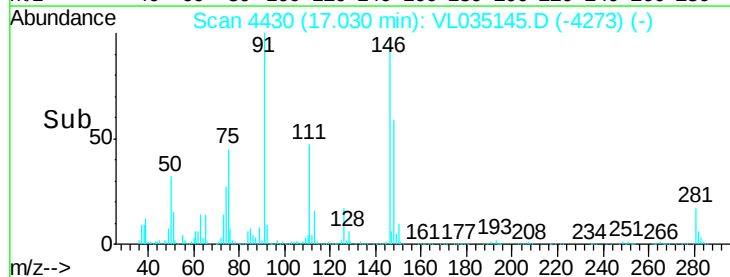
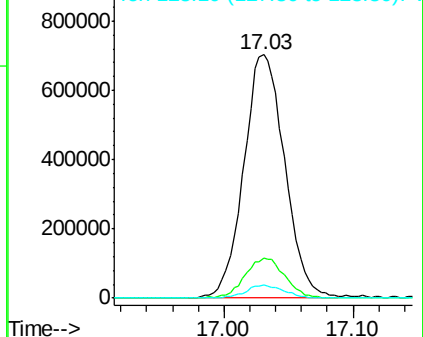
128 5.0 4.3 6.5

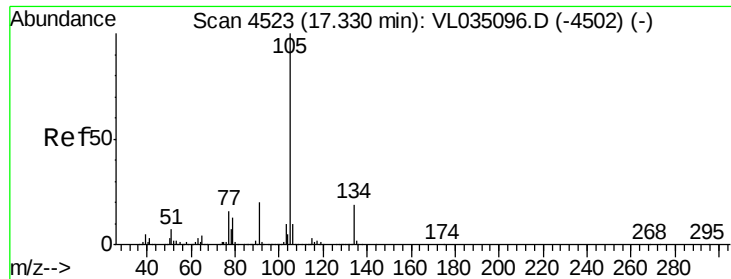


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.358 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:105 Resp: 5310508

Ion Ratio Lower Upper

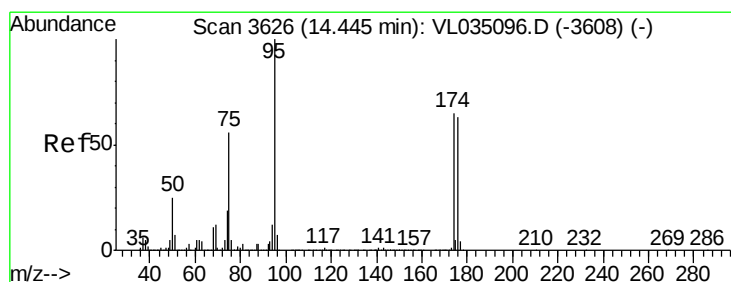
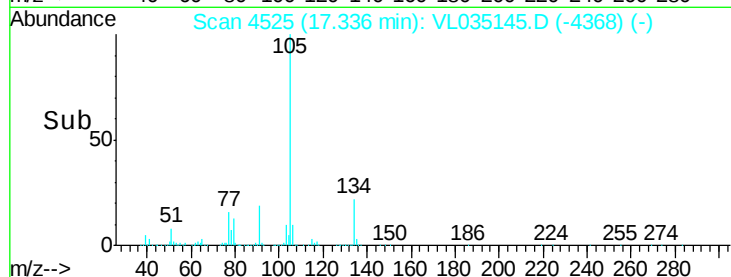
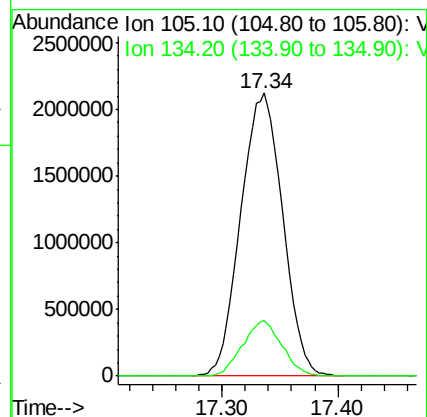
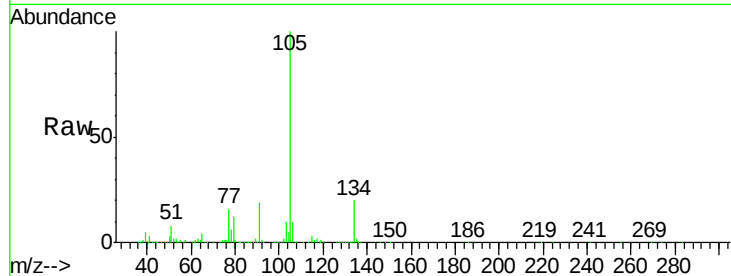
105 100

134 18.5 14.7 22.1

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7/9/2020 12:00:31 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.760 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

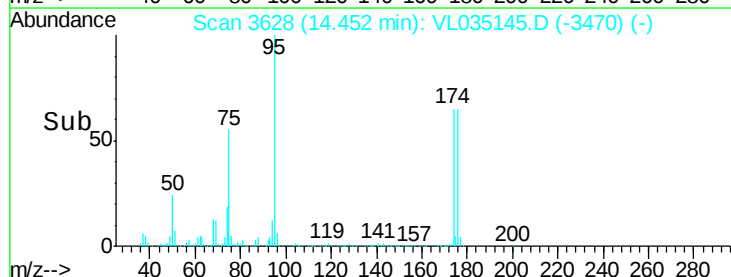
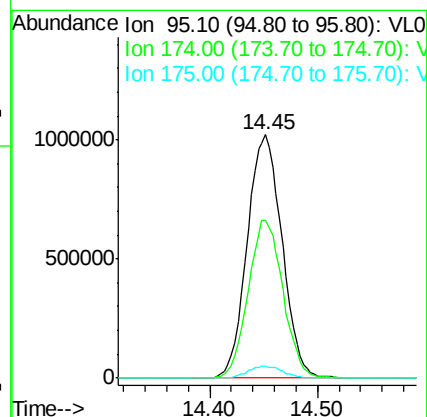
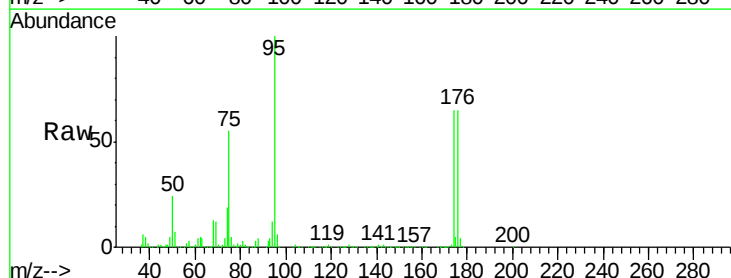
Tgt Ion: 95 Resp: 2289508

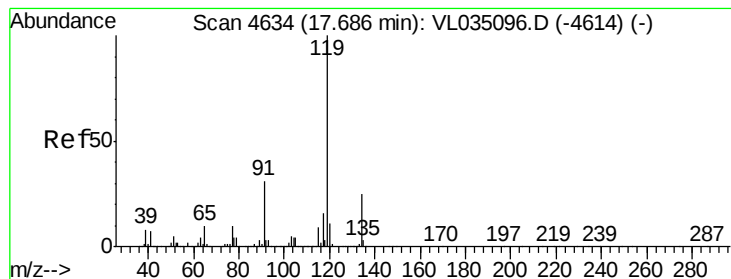
Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.759 ppbv

RT: 17.69 min Scan# 4636

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

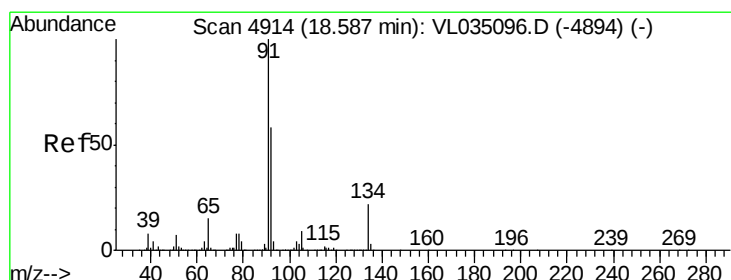
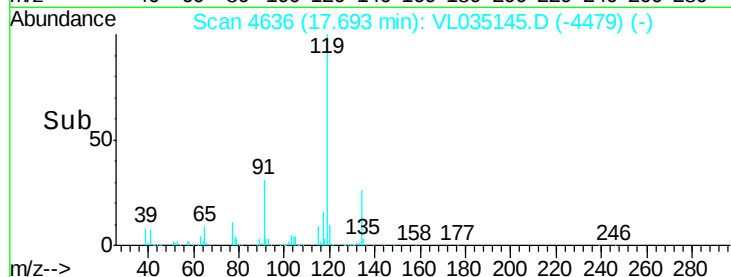
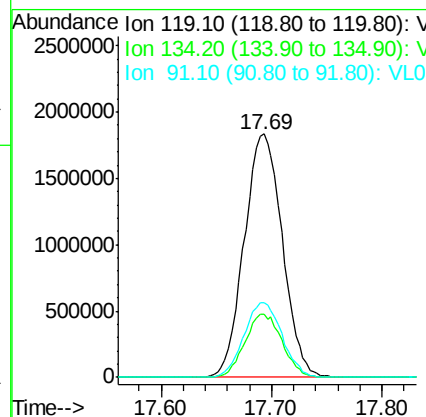
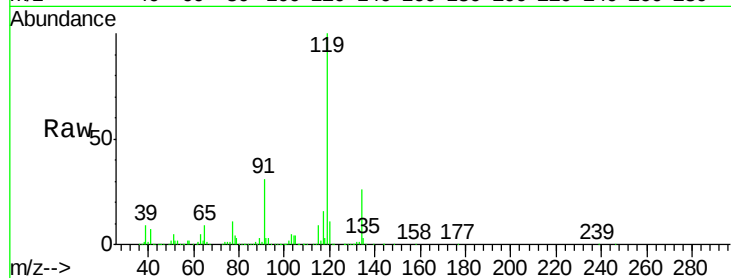
ClientSampleId :

VL0706ABS01

Tot Ion:	119	Resp:	4399866
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.9	24.5	36.7

Manual Integrations
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#70

n-Butylbenzene

Concen: 10.365 ppbv

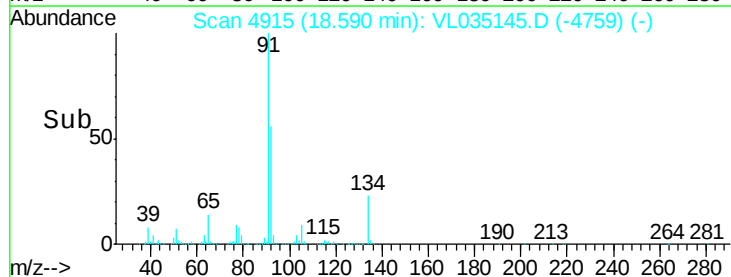
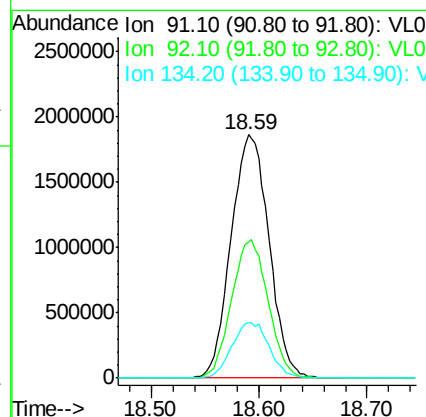
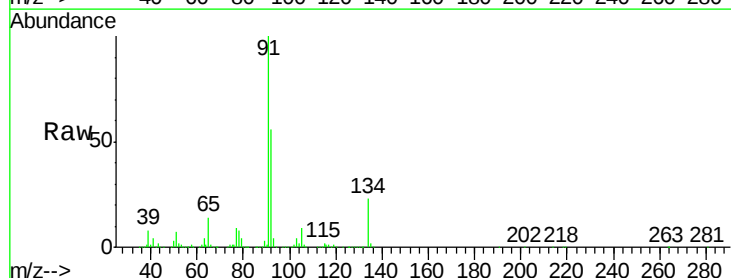
RT: 18.59 min Scan# 4915

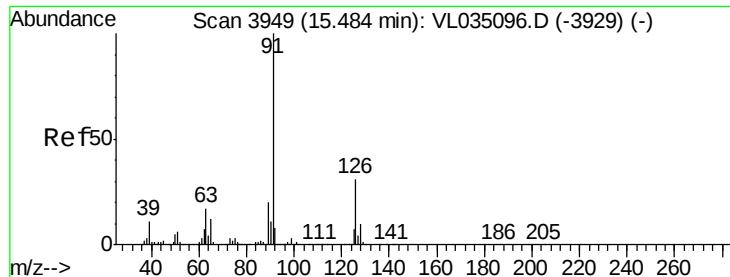
Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion:	91	Resp:	4565767
Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.4	66.6
134	22.6	18.0	27.0





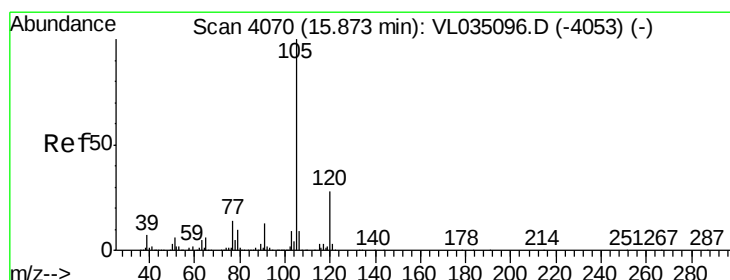
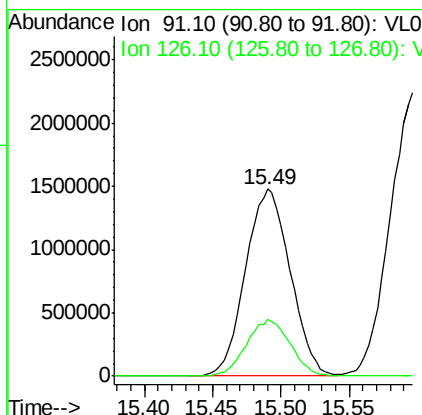
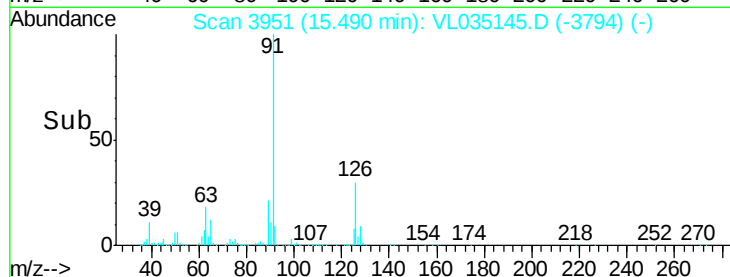
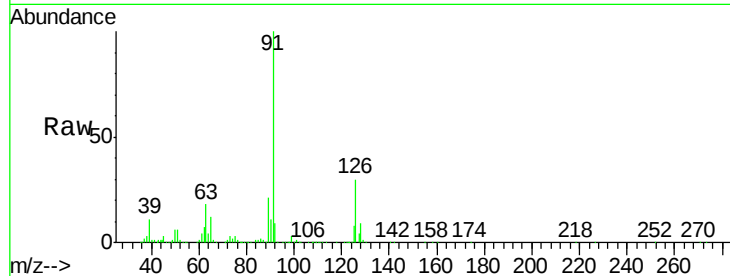
#71
2-Chlorotoluene
Concen: 10.672 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 91 Resp: 3369883
Ion Ratio Lower Upper
91 100
126 29.6 12.0 48.0

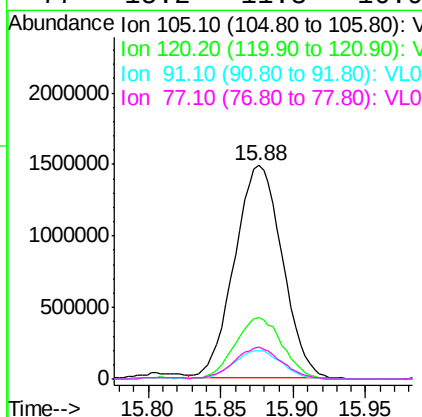
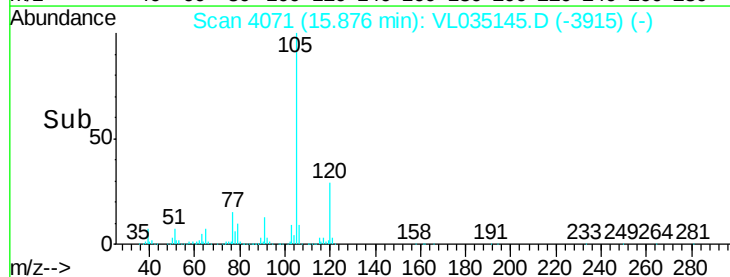
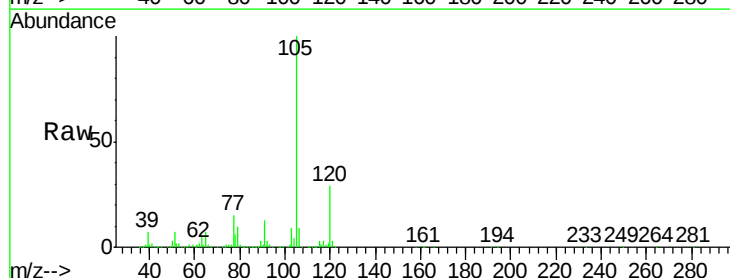
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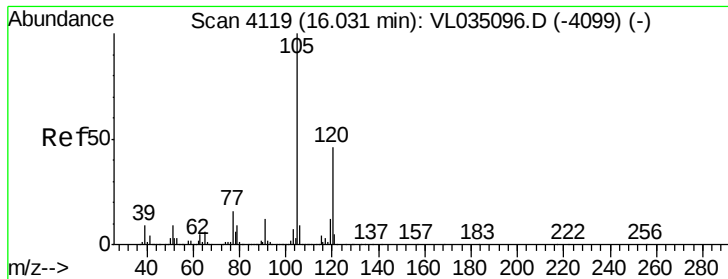
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#72
4-Ethyltoluene
Concen: 10.915 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 105 Resp: 3399003
Ion Ratio Lower Upper
105 100
120 29.1 23.4 35.0
91 14.1 10.6 16.0
77 15.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 10.961 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:105 Resp: 3226525

Ion Ratio Lower Upper

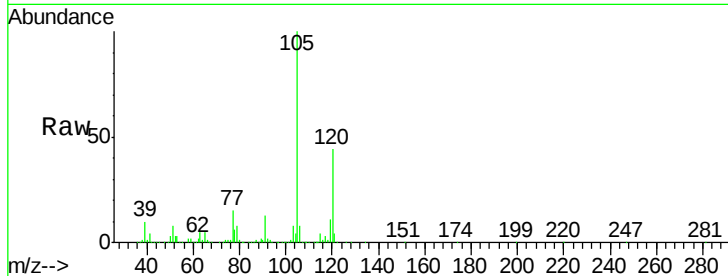
105 100

120 44.3 37.0 55.6

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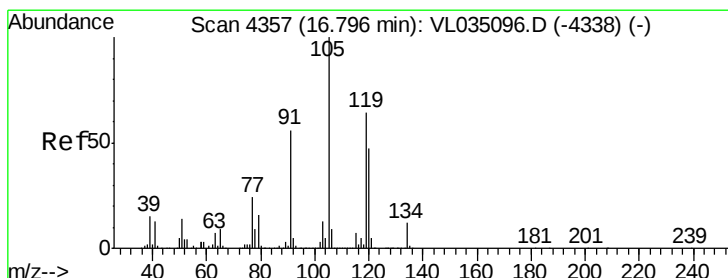
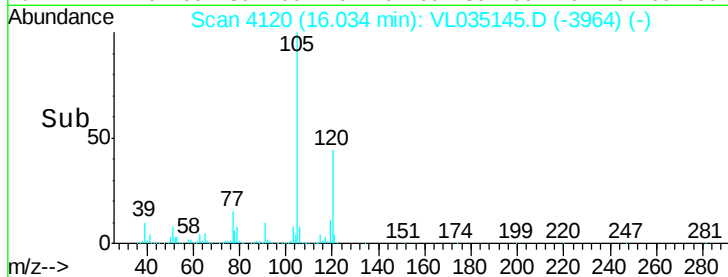
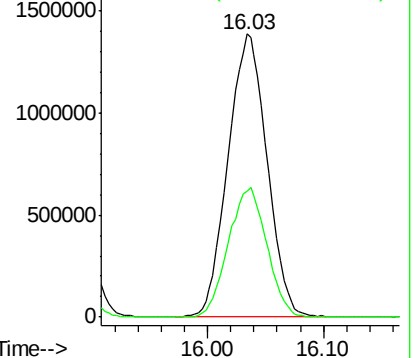
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.156 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion:105 Resp: 3336646

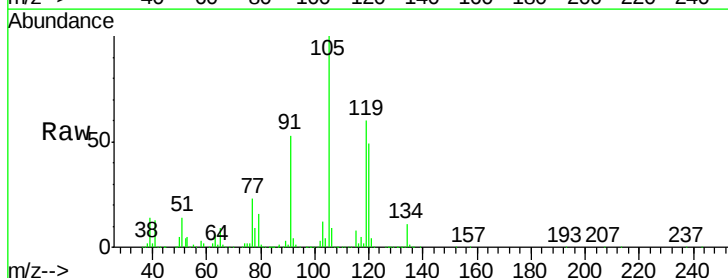
Ion Ratio Lower Upper

105 100

120 48.4 37.9 56.9

91 52.5 46.0 69.0

77 22.8 19.4 29.2

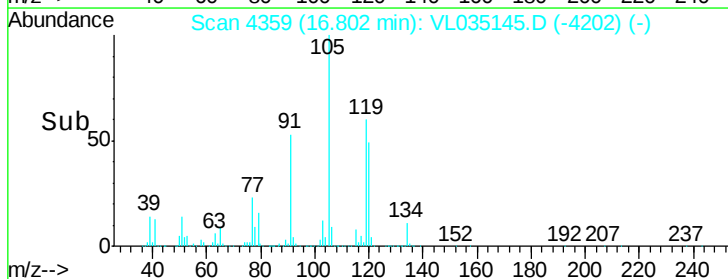
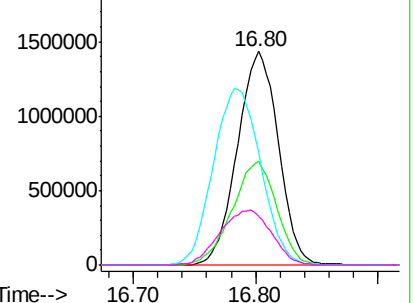


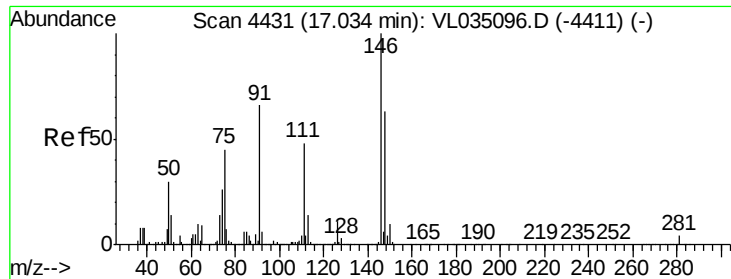
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





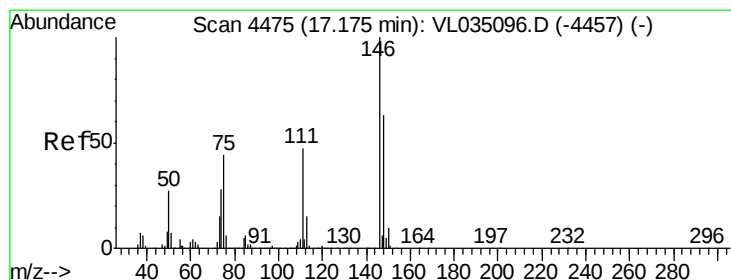
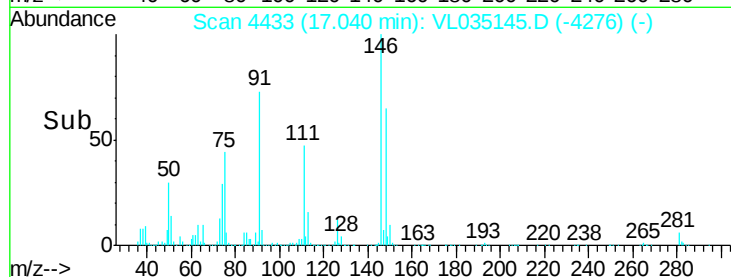
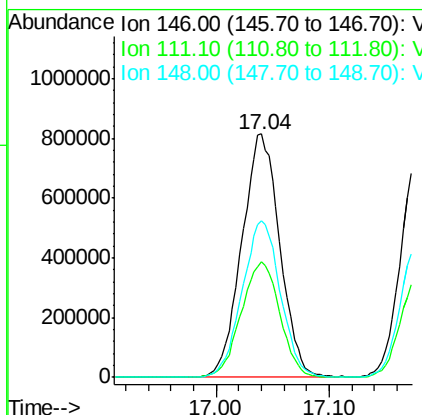
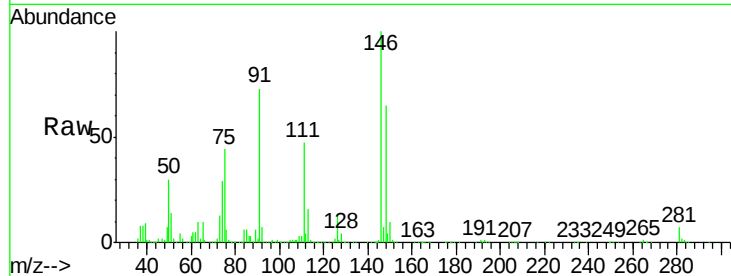
#75
 1,3-Dichlorobenzene
 Concen: 9.710 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:146 Resp: 1903902
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.1 72.4
 148 64.6 32.3 96.8

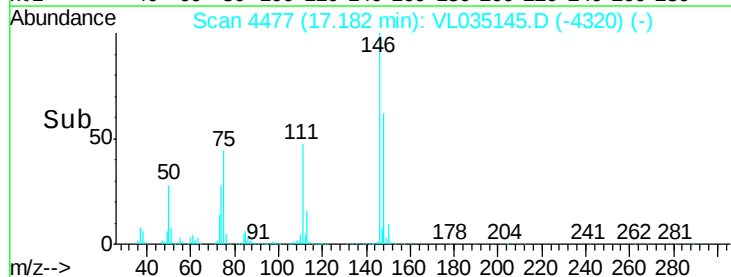
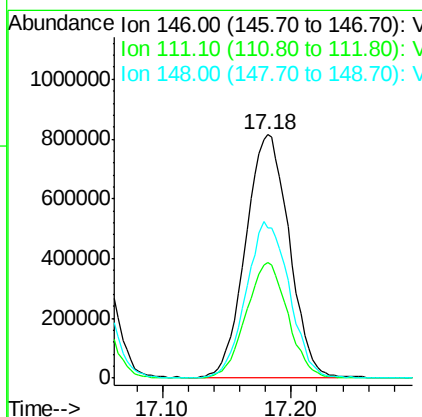
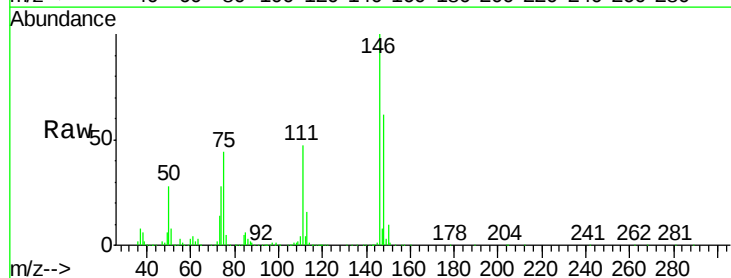
Manual Integrations
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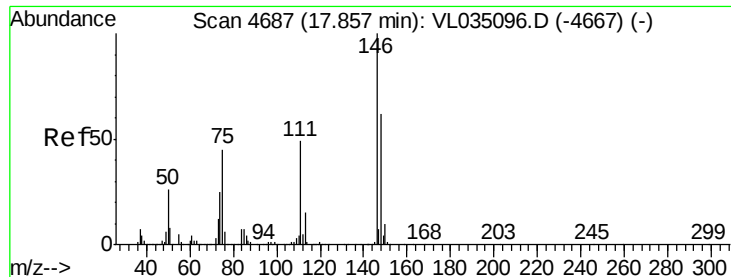
MMDadoda
 7/9/2020 12:00:31 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.139 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:146 Resp: 1901584
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.5 70.5
 148 64.1 32.0 96.2





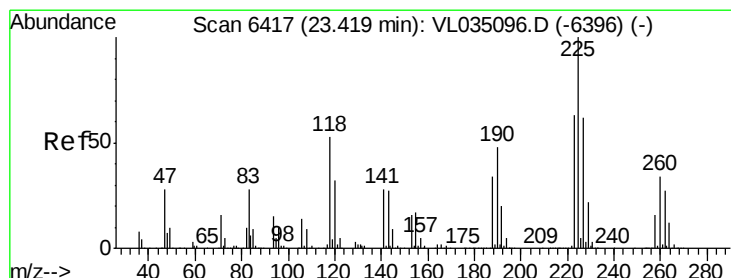
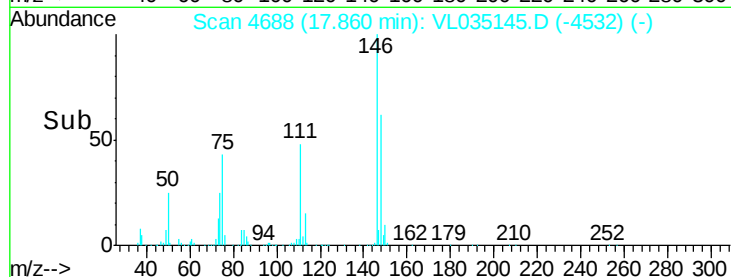
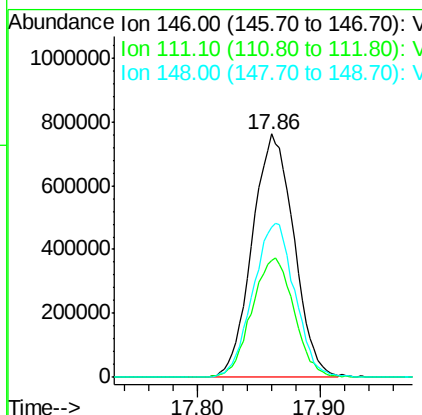
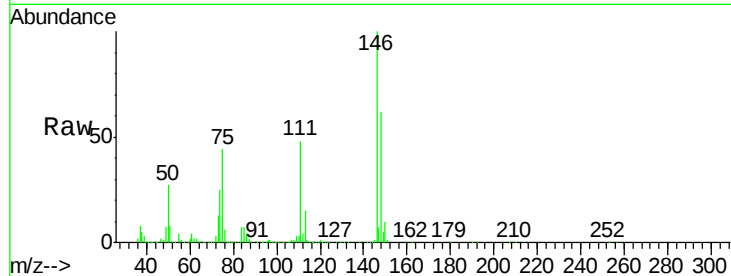
#77
 1,2-Dichlorobenzene
 Concen: 10.054 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:146 Resp: 1803836
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.0 75.0
 148 63.9 32.3 96.8

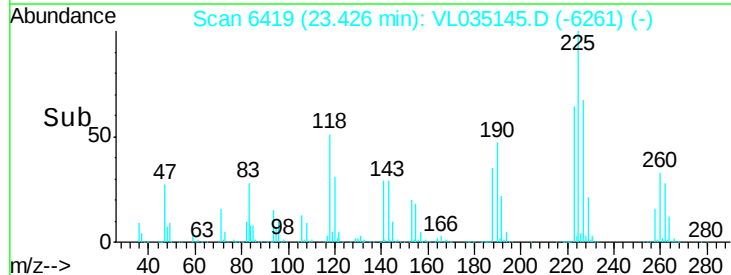
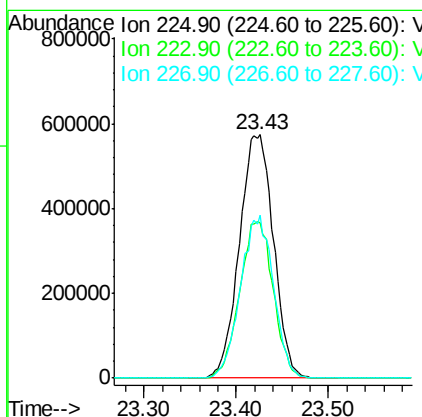
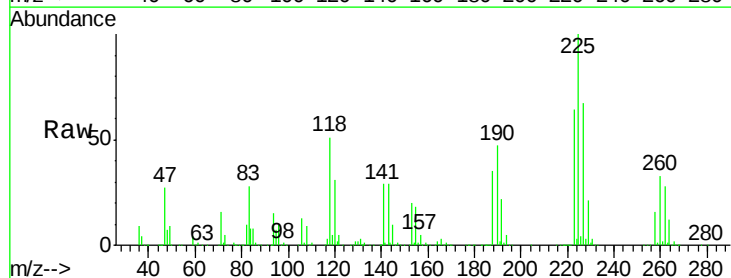
Manual Integrations
 APPROVED

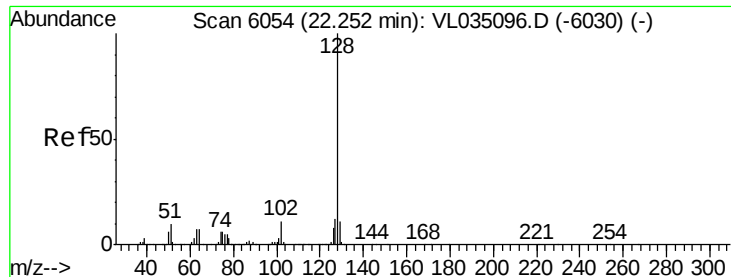
MMDadoda
 7/9/2020 12:00:31 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.106 ppbv m
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:225 Resp: 1468544
 Ion Ratio Lower Upper
 225 100
 223 63.1 51.4 77.0
 227 64.6 51.8 77.8





#79

Naphthalene

Concen: 11.201 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

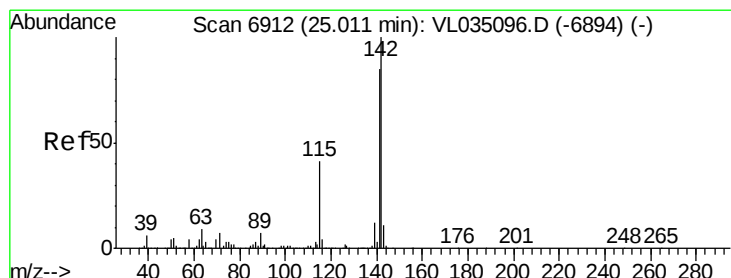
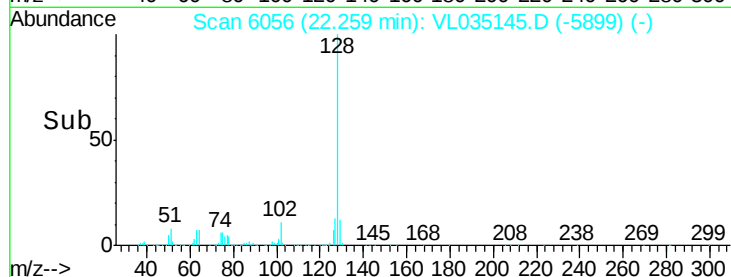
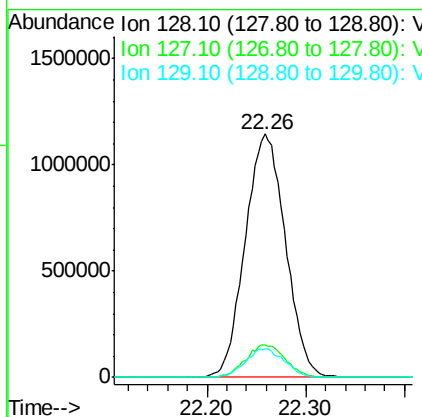
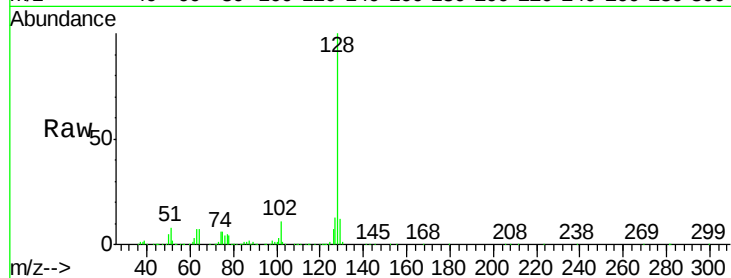
ClientSampleId :

VL0706ABS01

Tot Ion:	128	Resp:	3226434
Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.9	14.9
129	11.7	9.0	13.4

Manual Integrations
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7/9/2020 12:00:31 PM



#80

Naphthalene, 2-methyl-

Concen: 13.607 ppbv

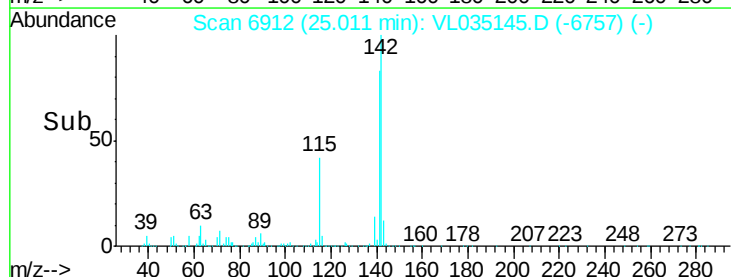
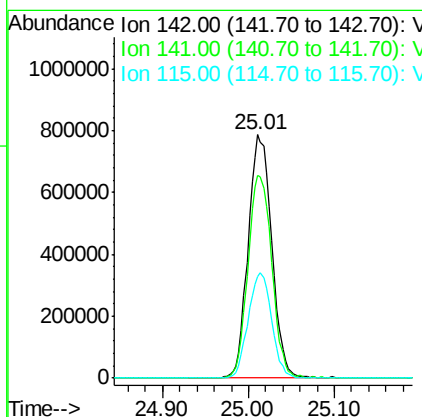
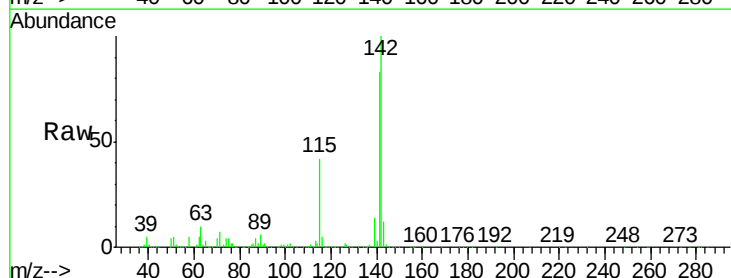
RT: 25.01 min Scan# 6912

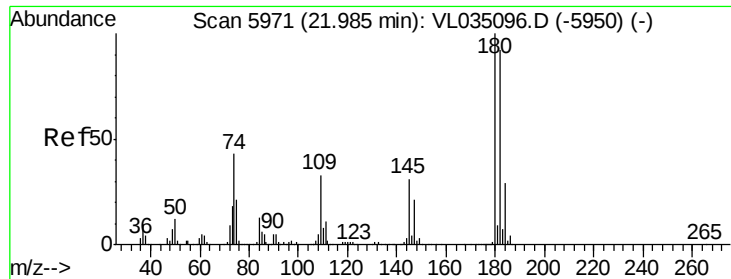
Delta R.T. -0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion:	142	Resp:	1498644
Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.5	101.3
115	43.1	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.295 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.9	116.9
184	31.3	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:00:31 PM

