

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035143.D
 Acq On : 6 Jul 2020 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:00:26 PM

Quant Time: Jul 07 05:24:37 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	5.65	49	1230831	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2932650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2855382m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2386431	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1275005	7.671 ppbv	98
3) Chlorodifluoromethane	2.94	51	1300722	9.567 ppbv	98
4) Chloromethane	3.09	50	727421	9.544 ppbv	98
5) Vinyl Chloride	3.21	62	745051	10.279 ppbv	96
6) Bromomethane	3.43	94	458448	10.186 ppbv	98
7) Chloroethane	3.51	64	285768	10.455 ppbv	96
8) Dichlorotetrafluoroethane	3.14	85	1721664	9.661 ppbv	100
9) Propene	2.96	41	526870	9.786 ppbv	99
10) Heptane	8.12	43	1471936	10.549 ppbv	100
11) Trichlorofluoromethane	3.91	101	1816349	10.230 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1287053	10.483 ppbv	100
13) Ethanol	3.56	45	150887	7.418 ppbv	94
14) Bromoethene	3.70	108	561953	10.618 ppbv	98
15) Acetone	3.81	43	1387652	9.325 ppbv	99
16) 1,3-Butadiene	3.28	39	674278	10.331 ppbv	100
17) tert-Butyl alcohol	4.26	59	1549502	11.749 ppbv	99
18) 1,1-Dichloroethene	4.25	96	599154	10.820 ppbv	97
19) Isopropyl Alcohol	3.93	45	1071226	11.086 ppbv	# 98
20) Methylene Chloride	4.31	84	523199	8.687 ppbv	97
21) Allyl Chloride	4.38	41	976099	11.037 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	597452	11.532 ppbv	97
23) Vinyl Acetate	5.05	43	1950074	10.796 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1522388	9.997 ppbv	99
25) Ethyl Acetate	5.66	43	2582338	9.615 ppbv	100
26) Hexane	5.67	57	1155795	9.546 ppbv	99
27) Carbon Disulfide	4.52	76	1569262	12.524 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1829185	10.752 ppbv	98
29) Chloroform	5.74	83	1850047	9.764 ppbv	96
30) Cyclohexane	7.13	84	976389	11.236 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1172243	10.502 ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1815495	10.330 ppbv	100
34) 2-Butanone	5.22	43	1651971	9.809 ppbv	100
35) Carbon Tetrachloride	7.02	117	1875899	10.665 ppbv	95
36) Benzene	6.89	78	2302181	10.138 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1450928	10.110 ppbv	100
38) Trichloroethene	7.84	130	914615	10.369 ppbv	95
39) 1,2-Dichloropropane	7.62	63	897784	10.108 ppbv	98
40) 1,4-Dioxane	7.83	88	355582	10.150 ppbv	# 92
41) Tetrahydrofuran	6.03	42	899399	10.456 ppbv	99
42) Bromodichloromethane	7.80	83	1986068	10.685 ppbv	96
43) Methyl Methacrylate	8.02	69	1046909	10.891 ppbv	98

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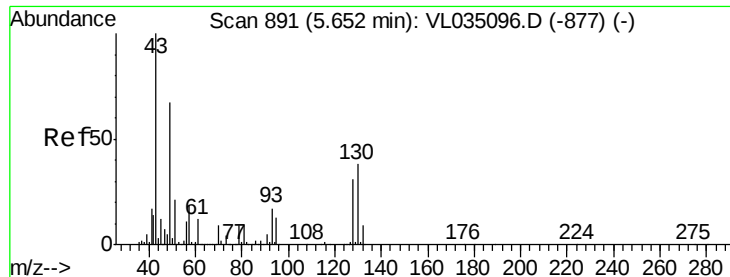
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3959181	9.989	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1190394	12.725	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1413043	12.159	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	977186	10.081	ppbv	98
48) Dibromochloromethane	10.32	129	1662913	11.507	ppbv	99
49) Bromoform	13.07	173	1434690	11.686	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2443477	10.212	ppbv	99
51) 2-Hexanone	10.15	43	2013103	10.743	ppbv	100
52) Tetrachloroethene	11.25	164	834558	10.430	ppbv	97
53) Toluene	9.82	91	2690982	11.110	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1477780	10.296	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1252574	10.719	ppbv #	61
57) Chlorobenzene	12.17	112	2059342	9.801	ppbv	97
58) Ethyl Benzene	12.73	91	3625353	11.300	ppbv	99
59) m/p-Xylene	13.02	91	6009785m	21.137	ppbv	
60) o-Xylene	13.72	91	2984094	10.542	ppbv	99
61) Styrene	13.56	104	2118876	11.896	ppbv	100
62) Isopropylbenzene	14.70	105	4391628	10.397	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2110895	9.207	ppbv	100
64) n-propylbenzene	15.60	120	1146223	10.634	ppbv	98
65) tert-Butylbenzene	16.78	119	3792499	10.485	ppbv	99
66) Benzyl Chloride	17.03	91	1541756	13.799	ppbv	99
67) sec-Butylbenzene	17.33	105	5334421	10.290	ppbv	100
69) p-Isopropyltoluene	17.69	119	4420574	10.690	ppbv	99
70) n-Butylbenzene	18.59	91	4598890	10.325	ppbv	99
71) 2-Chlorotoluene	15.49	91	3382888	10.595	ppbv	100
72) 4-Ethyltoluene	15.87	105	3437771	10.918	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3221533	10.823	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3349044	10.081	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1917336	9.671	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1904429	10.042	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1799089	9.917	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1509069	9.255	ppbv	100
79) Naphthalene	22.26	128	3262654	11.202	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1590518	14.282	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1759057m	10.469	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1230831

Ion Ratio Lower Upper

49 100

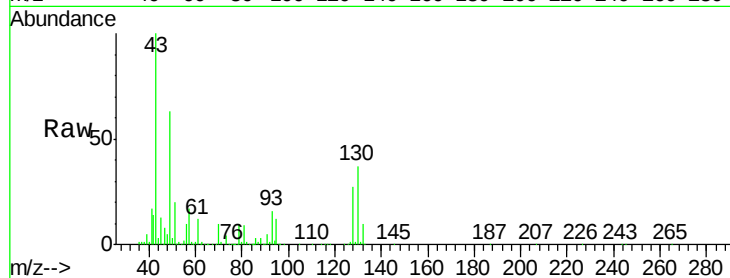
128 46.2 22.9 68.5

130 59.4 29.0 87.0

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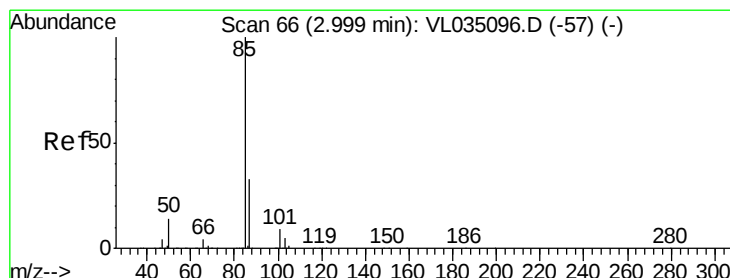
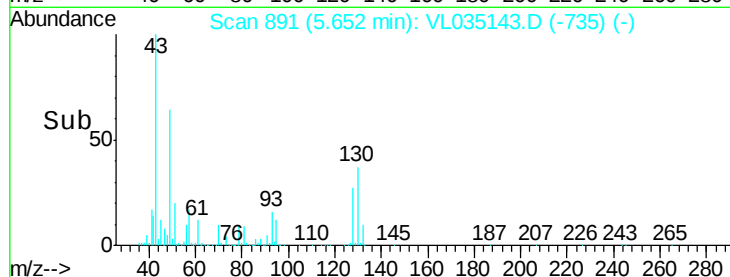
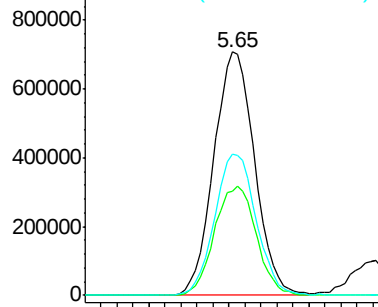
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.671 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035143.D

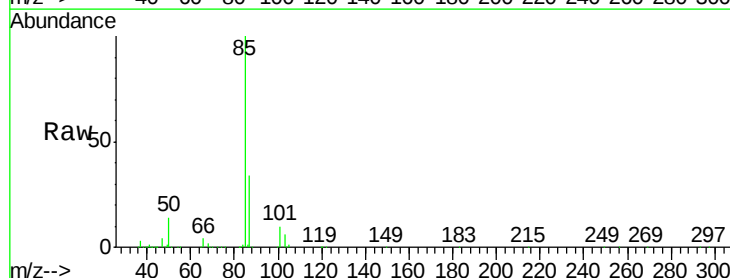
Acq: 6 Jul 2020 9:47

Tgt Ion: 85 Resp: 1275005

Ion Ratio Lower Upper

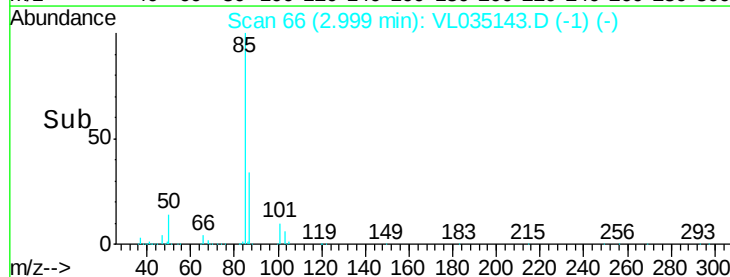
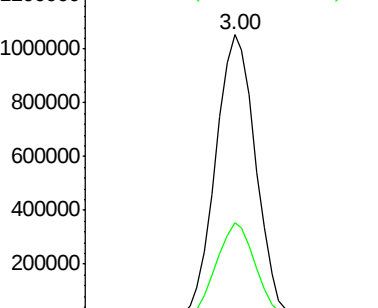
85 100

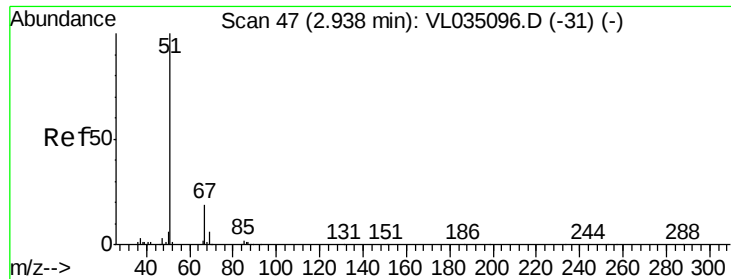
87 33.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.567 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tot Ion: 51 Resp: 1300722

Ion Ratio Lower Upper

51 100

67 20.0 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

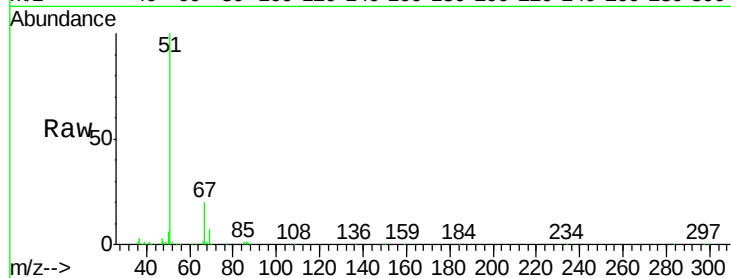
VSTDCCC010

Manual Integrations

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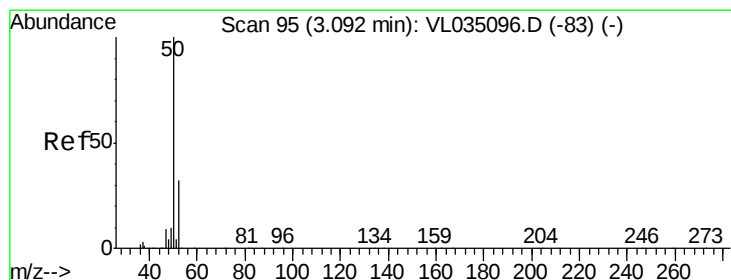
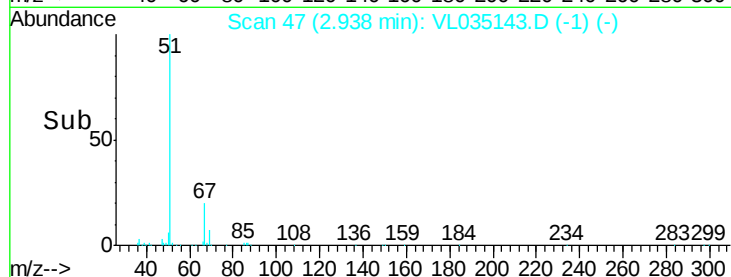
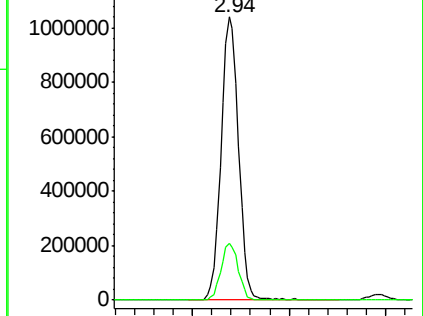
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.544 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035143.D

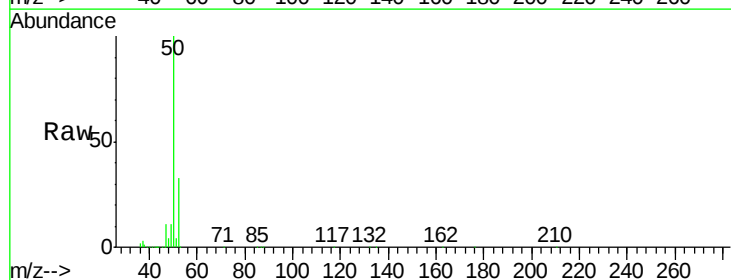
Acq: 6 Jul 2020 9:47

Tgt Ion: 50 Resp: 727421

Ion Ratio Lower Upper

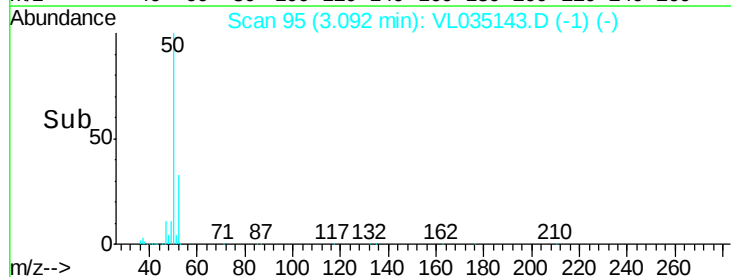
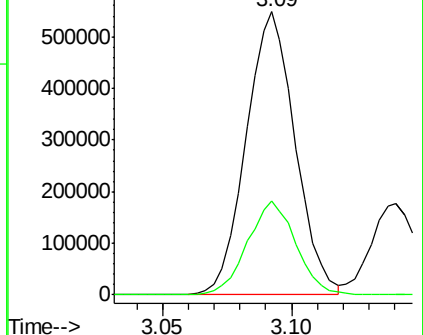
50 100

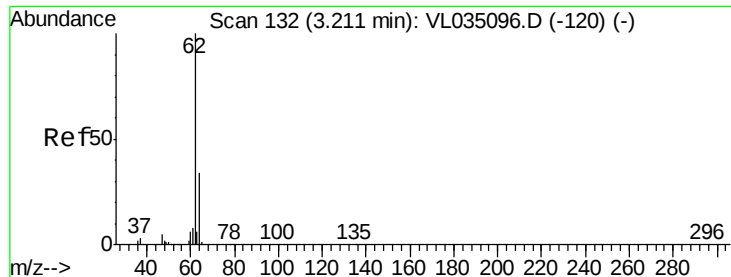
52 33.0 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.279 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 745051

Ion Ratio Lower Upper

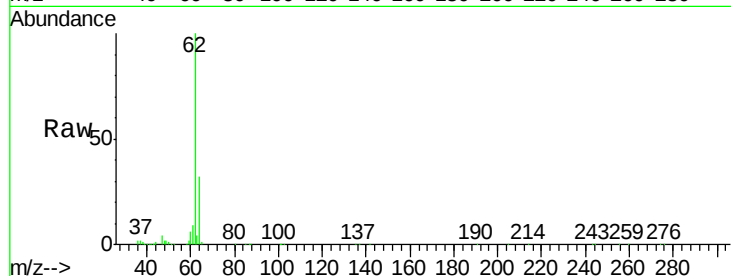
62 100

64 31.5 27.0 40.4

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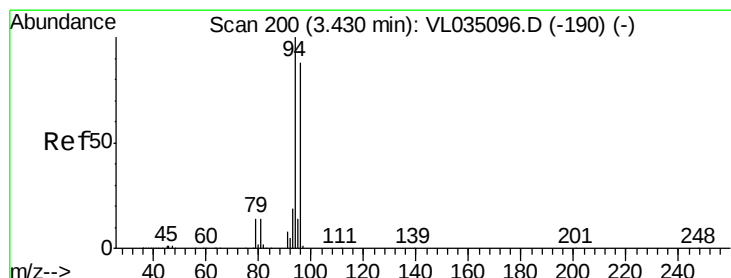
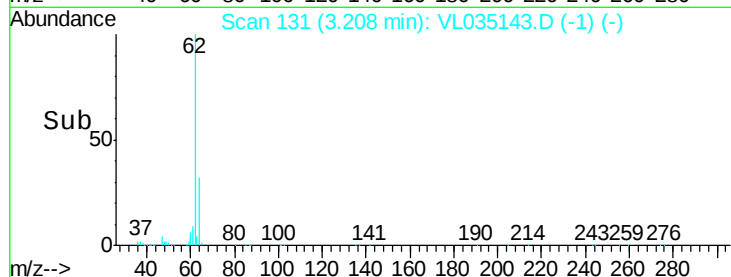
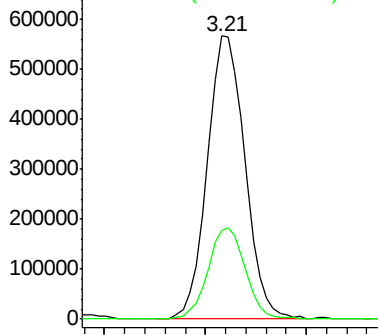
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.186 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035143.D

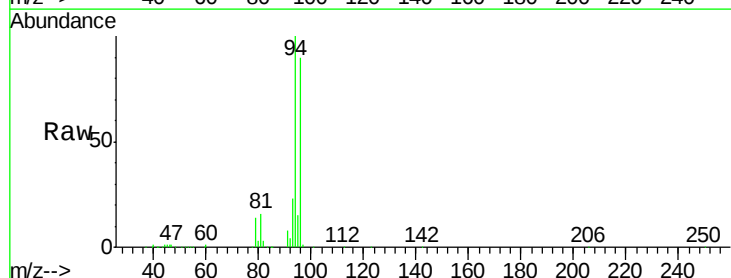
Acq: 6 Jul 2020 9:47

Tgt Ion: 94 Resp: 458448

Ion Ratio Lower Upper

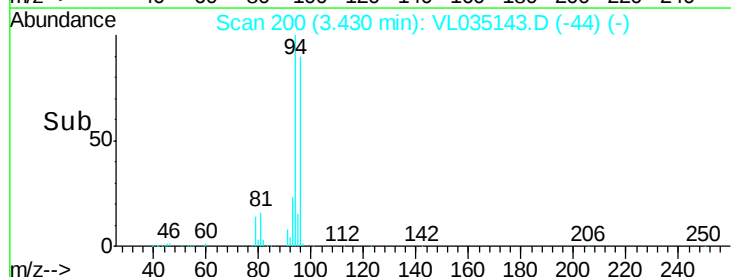
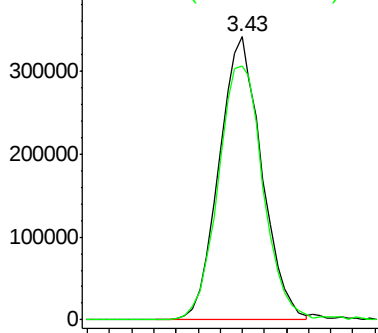
94 100

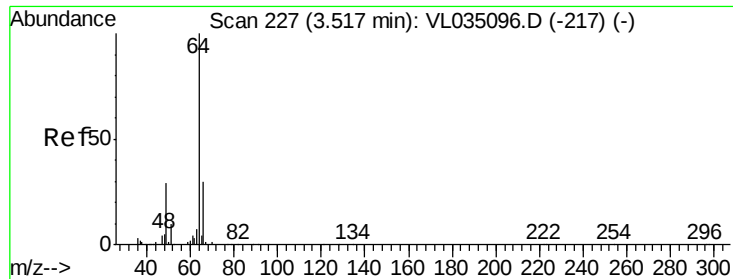
96 89.6 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.455 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

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ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 285768

Ion Ratio Lower Upper

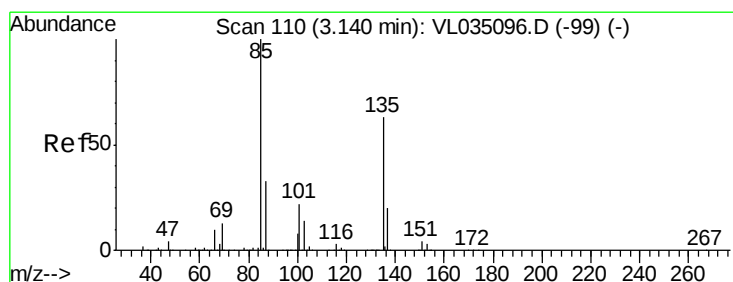
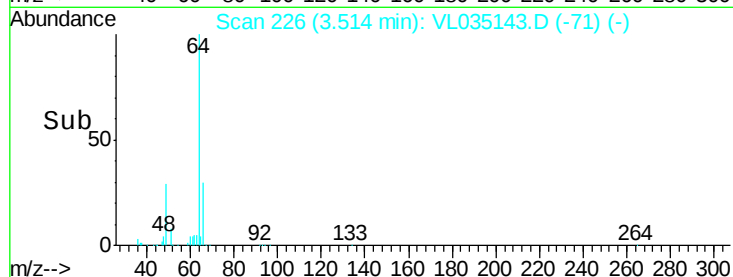
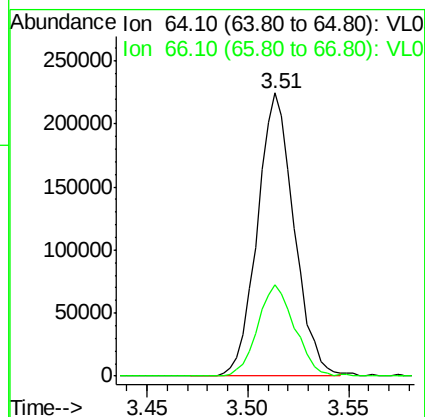
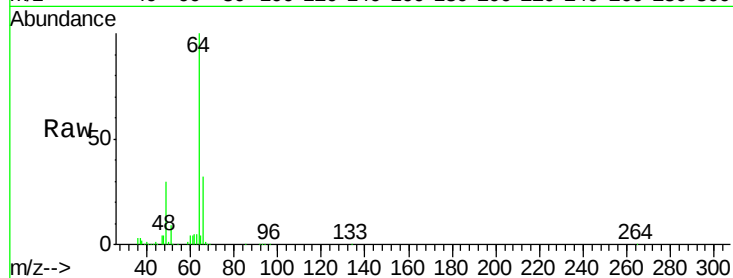
64 100

66 32.3 24.2 36.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.661 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035143.D

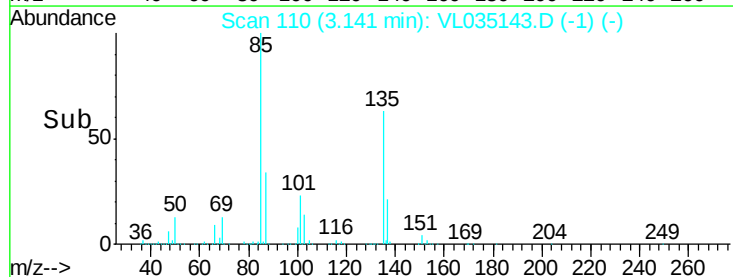
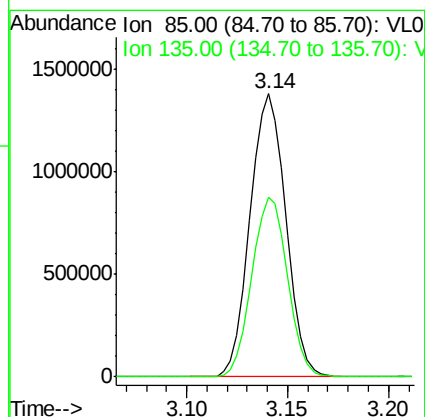
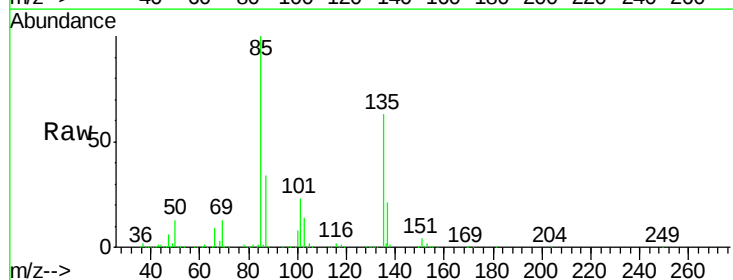
Acq: 6 Jul 2020 9:47

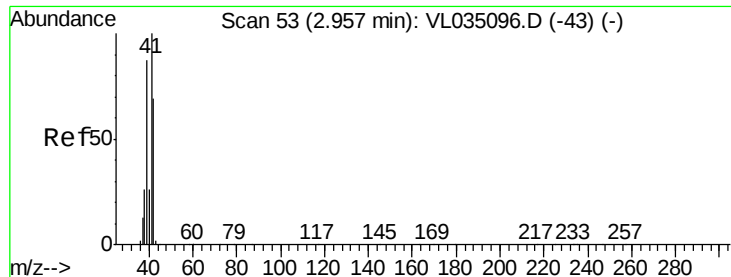
Tgt Ion: 85 Resp: 1721664

Ion Ratio Lower Upper

85 100

135 63.6 51.0 76.6





#9

Propene

Concen: 9.786 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 526870

Ion Ratio Lower Upper

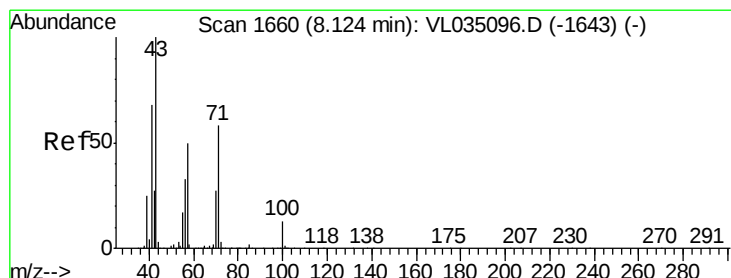
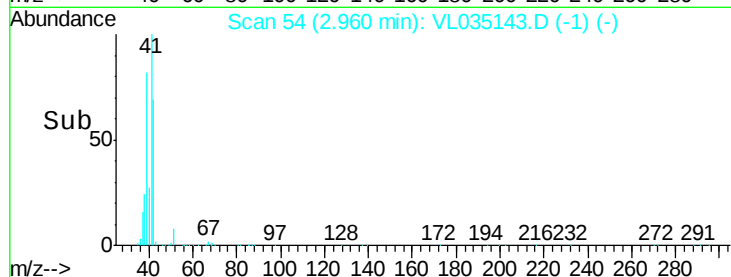
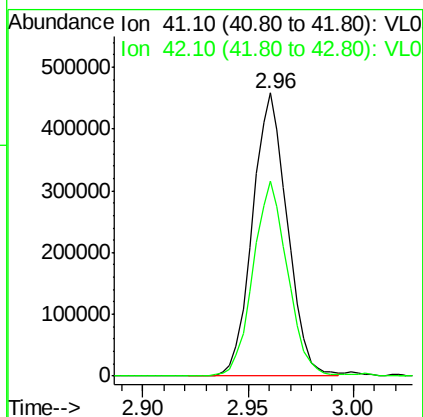
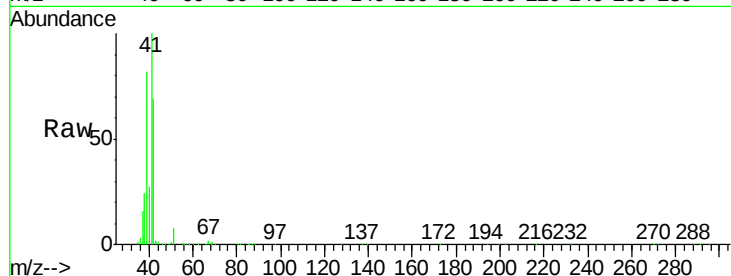
41 100

42 68.8 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 10.549 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035143.D

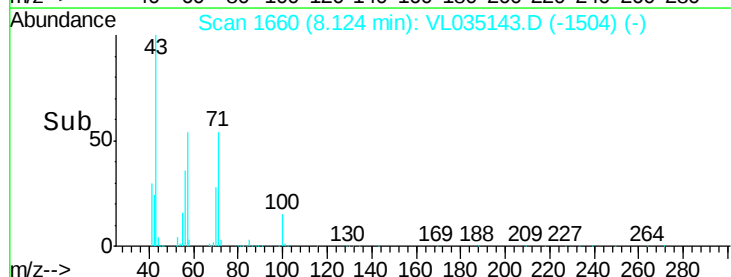
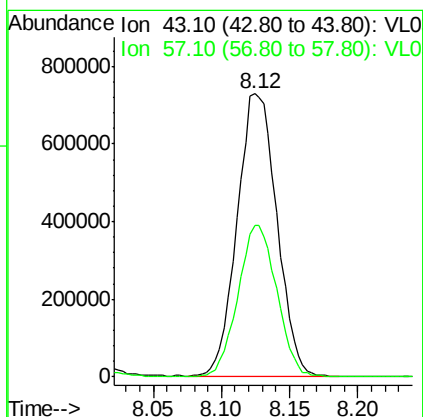
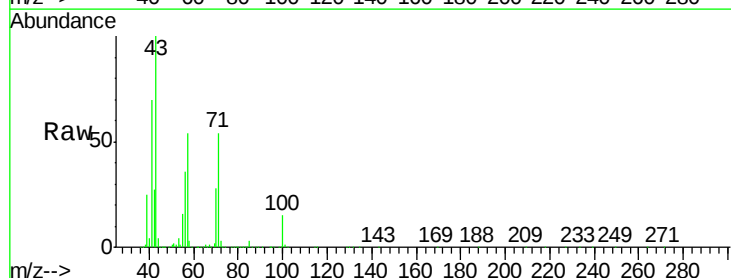
Acq: 6 Jul 2020 9:47

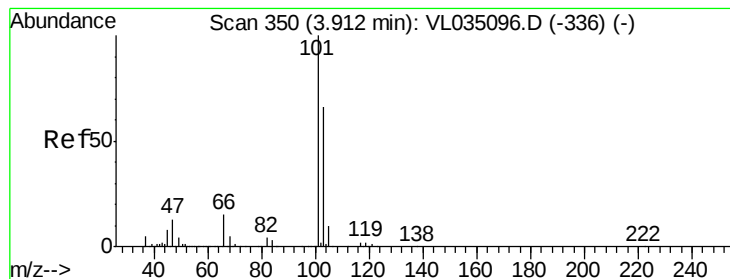
Tgt Ion: 43 Resp: 1471936

Ion Ratio Lower Upper

43 100

57 52.5 41.9 62.9





#11

Trichlorofluoromethane

Concen: 10.230 ppbv

RT: 3.91 min Scan# 350

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tot Ion:101 Resp: 1816349

Ion Ratio Lower Upper

101 100

103 67.9 52.6 79.0

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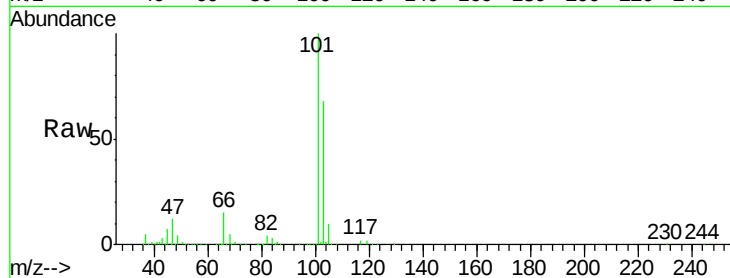
VSTDCCC010

Manual Integrations

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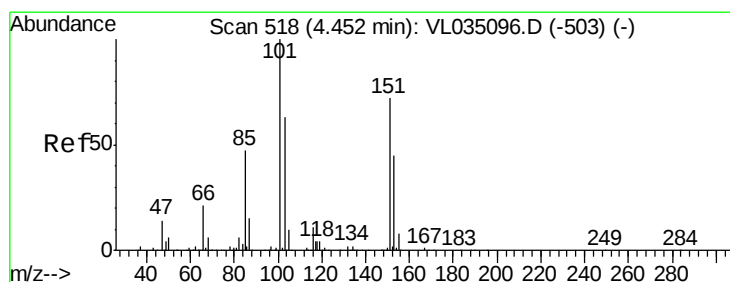
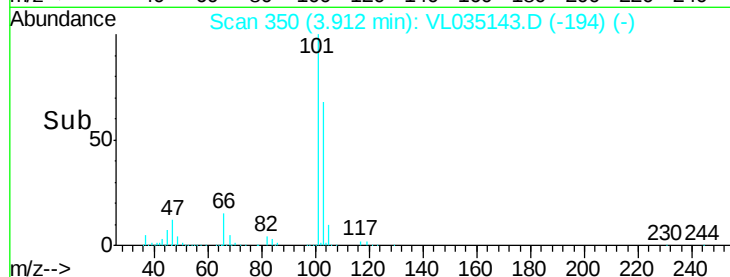
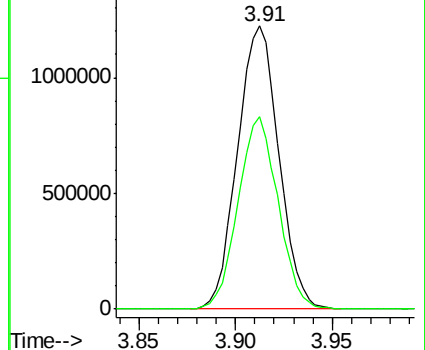
MMDadoda

7/9/2020 12:00:26 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.483 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035143.D

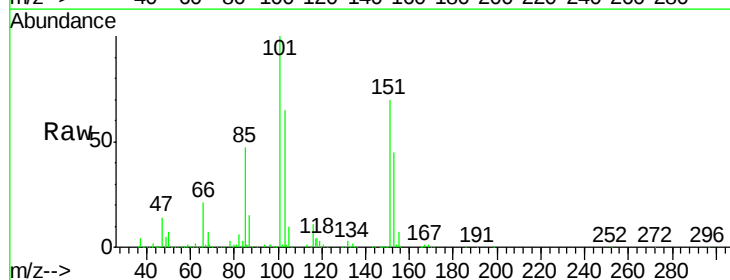
Acq: 6 Jul 2020 9:47

Tgt Ion:101 Resp: 1287053

Ion Ratio Lower Upper

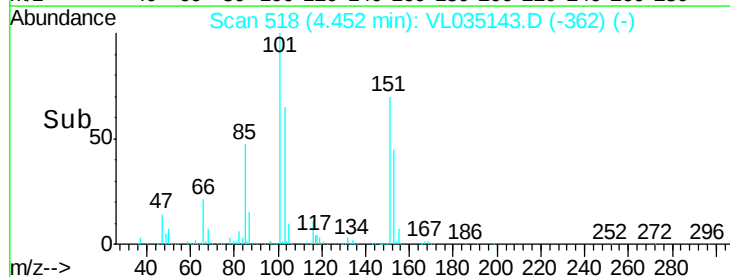
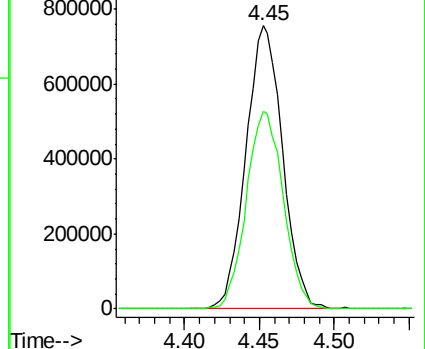
101 100

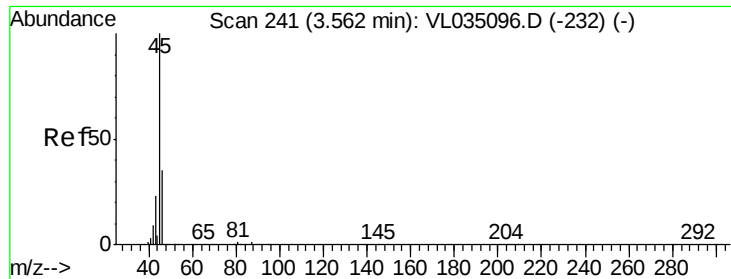
151 70.5 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





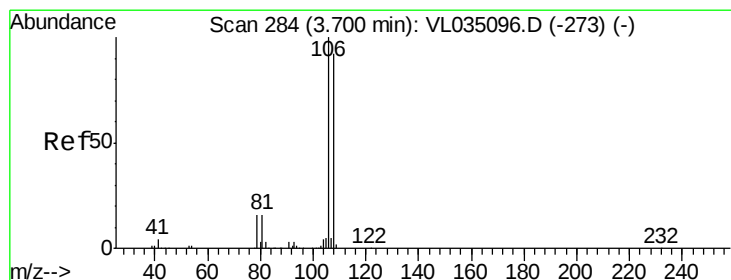
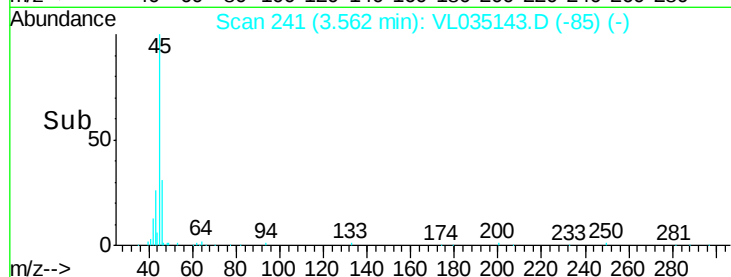
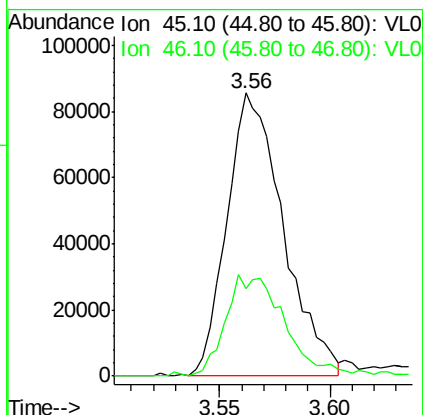
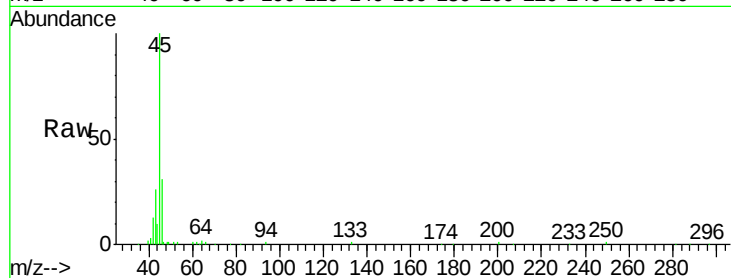
#13
Ethanol
Concen: 7.418 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 150887
Ion Ratio Lower Upper
45 100
46 39.3 14.2 57.0

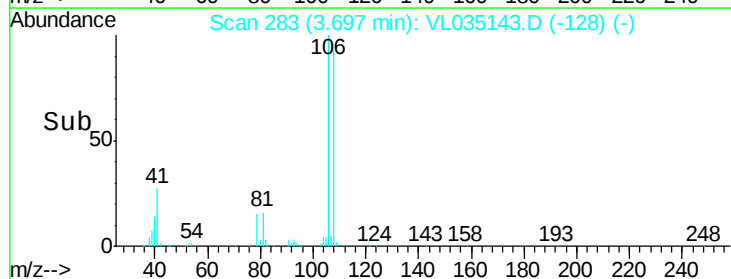
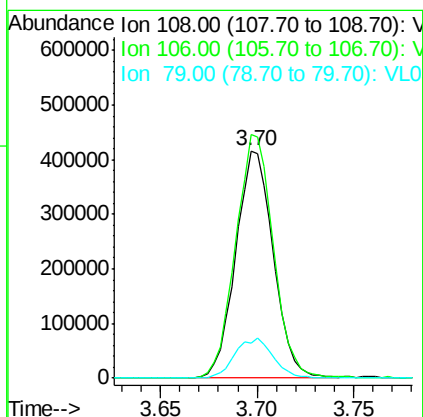
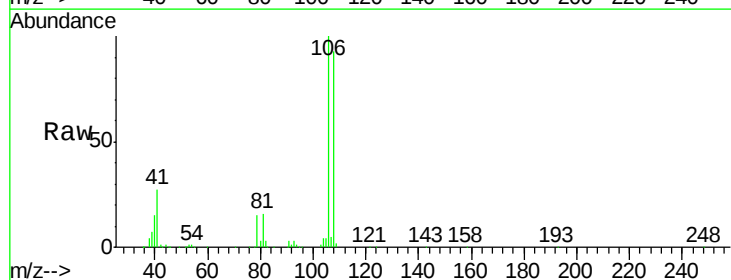
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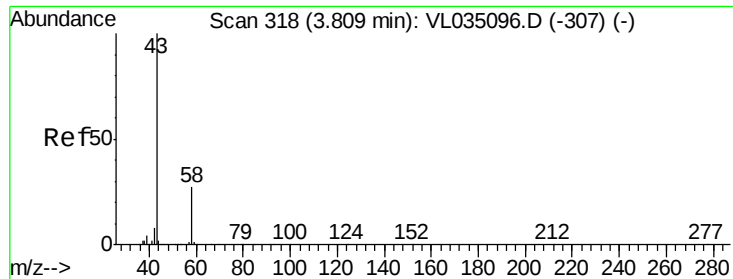
MMDadoda
7/9/2020 12:00:26 PM



#14
Bromoethene
Concen: 10.618 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 108 Resp: 561953
Ion Ratio Lower Upper
108 100
106 108.1 84.4 126.6
79 18.1 14.2 21.2





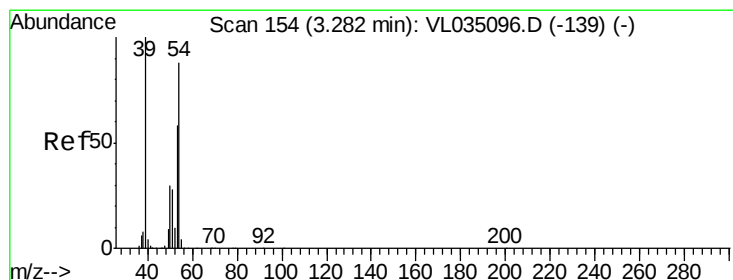
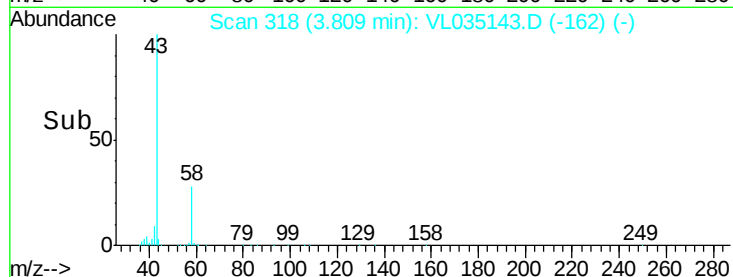
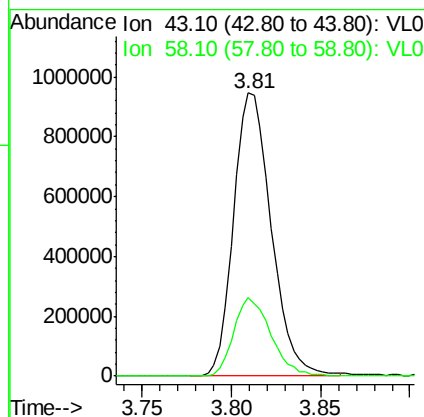
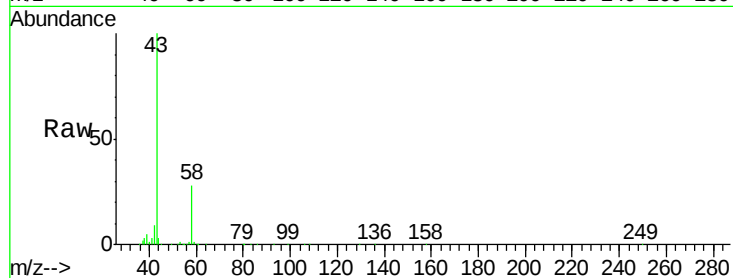
#15
Acetone
Concen: 9.325 ppbv
RT: 3.81 min Scan# 318
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1387652
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.6

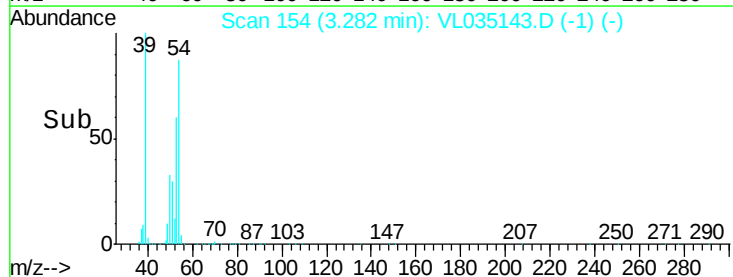
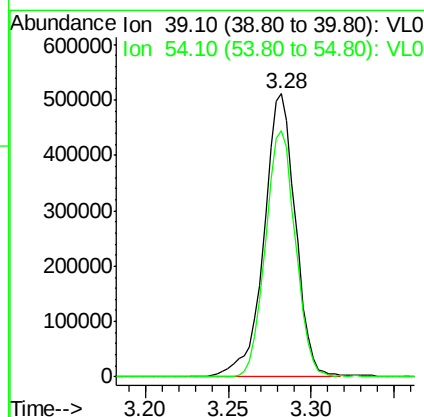
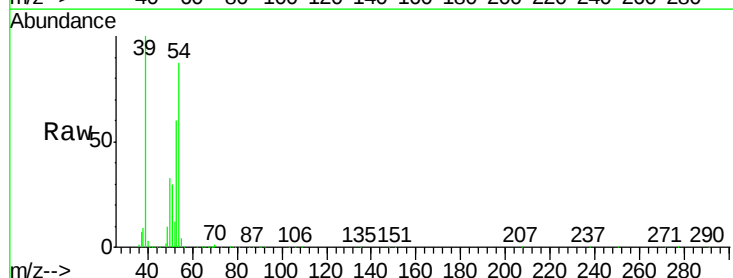
Manual Integrations
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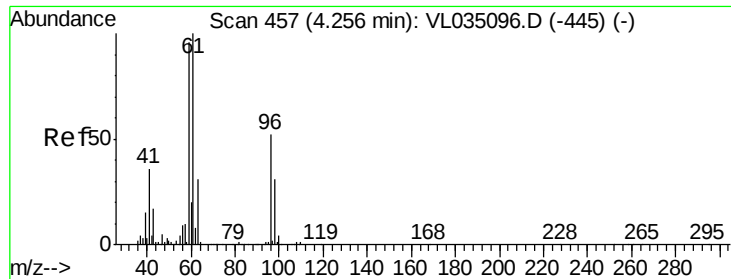
MMDadoda
7/9/2020 12:00:26 PM



#16
1,3-Butadiene
Concen: 10.331 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 39 Resp: 674278
Ion Ratio Lower Upper
39 100
54 83.4 67.0 100.4





#17

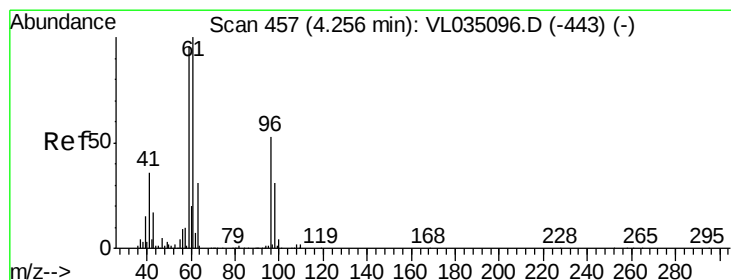
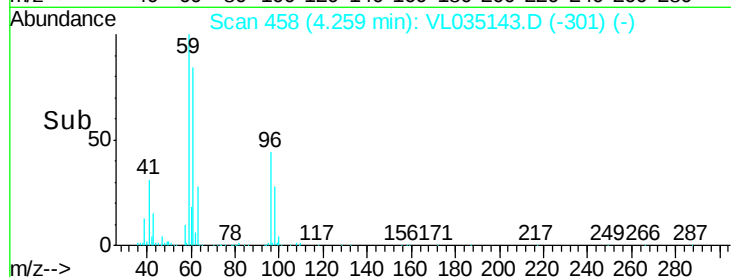
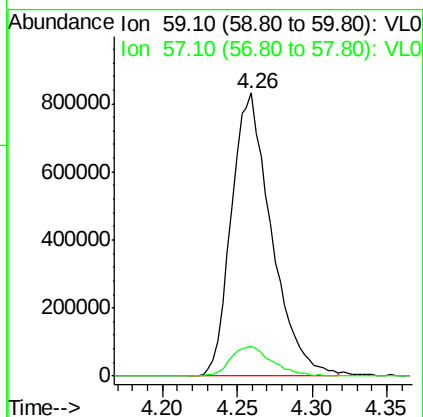
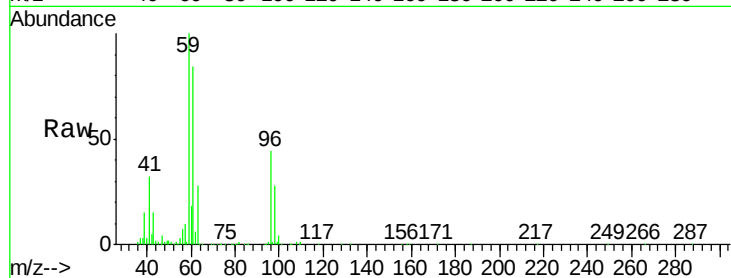
tert-Butyl alcohol
Concen: 11.749 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1549502
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

Manual Integrations
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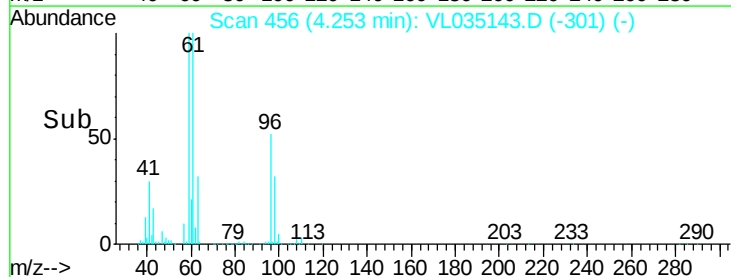
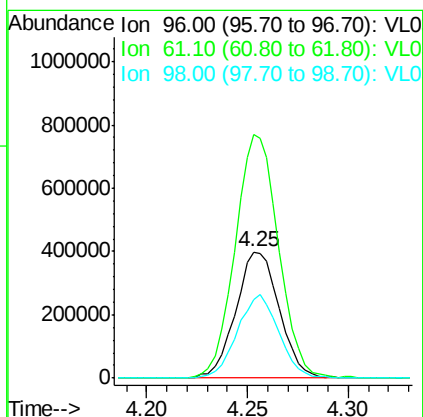
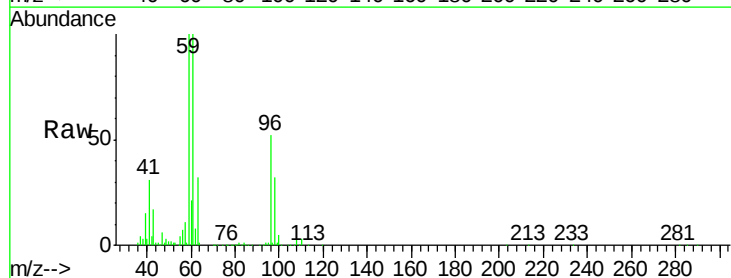
MMDadoda
7/9/2020 12:00:26 PM

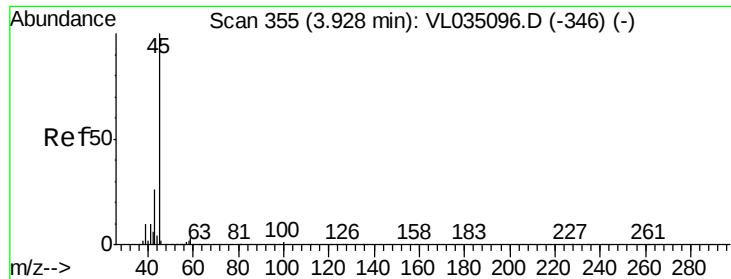


#18

1,1-Dichloroethene
Concen: 10.820 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 96 Resp: 599154
Ion Ratio Lower Upper
96 100
61 193.8 152.2 228.4
98 62.3 47.7 71.5





#19

Isopropyl Alcohol

Concen: 11.086 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 1071226

Ion Ratio Lower Upper

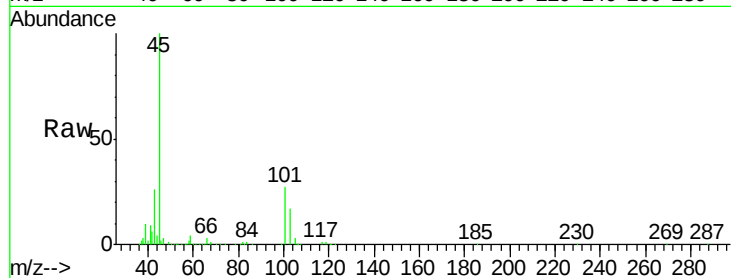
45 100

58 1.8 1.8 2.8#

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

3.93

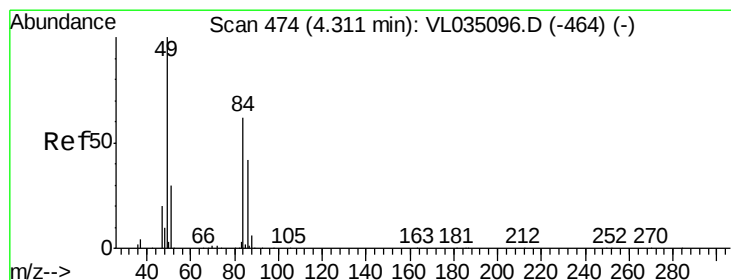
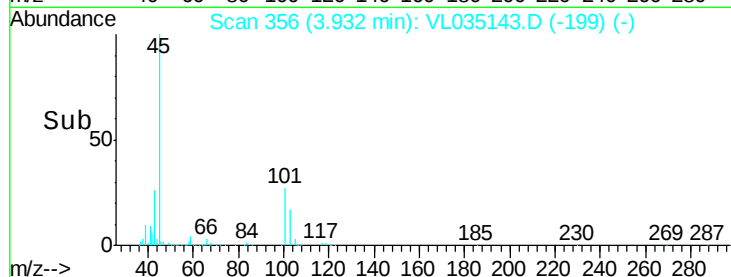
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.687 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 84 Resp: 523199

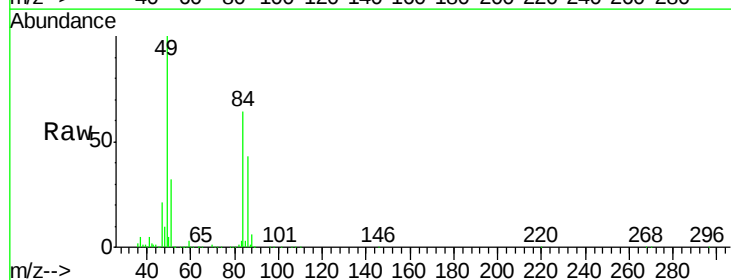
Ion Ratio Lower Upper

84 100

49 154.8 128.8 193.2

51 49.5 38.7 58.1

86 67.8 54.1 81.1



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

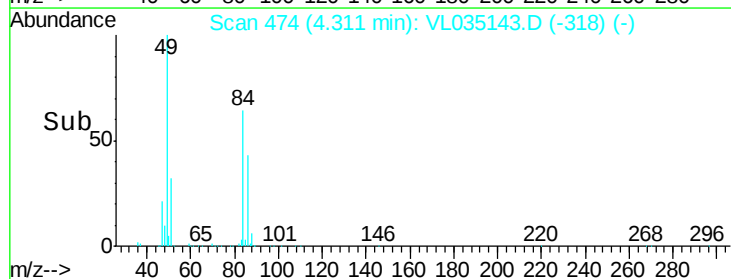
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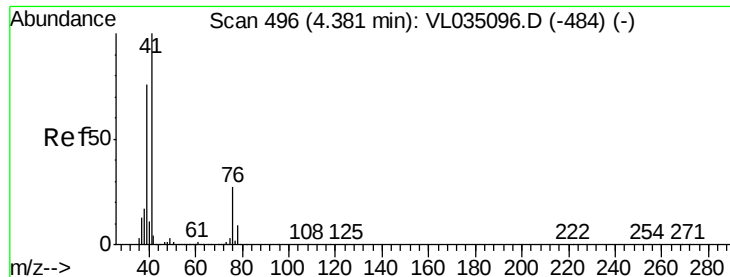
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200000

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Time-->





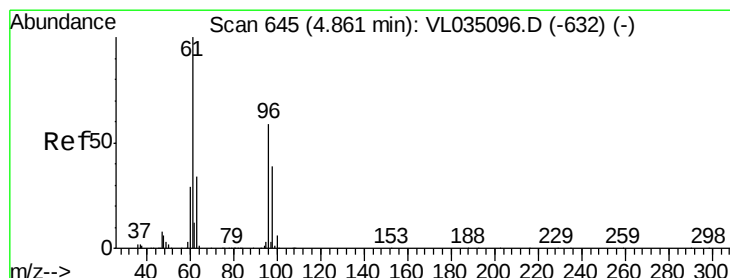
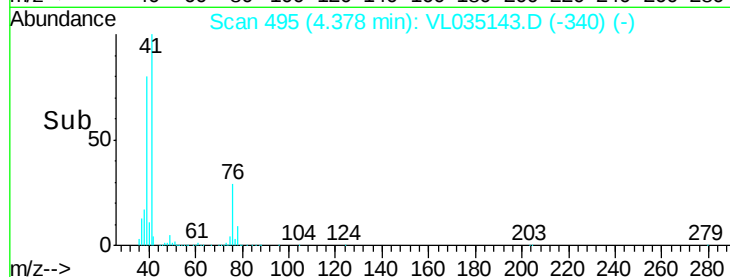
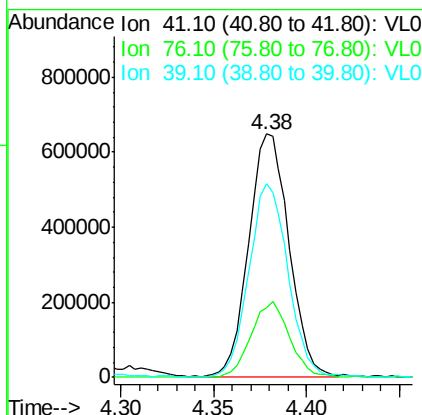
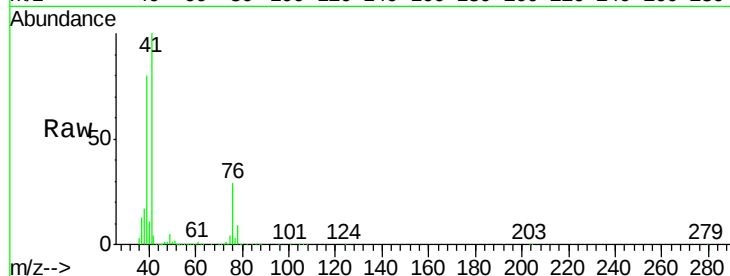
#21
Allvl Chloride
Concen: 11.037 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	22.6	34.0
39	78.4	61.6	92.4

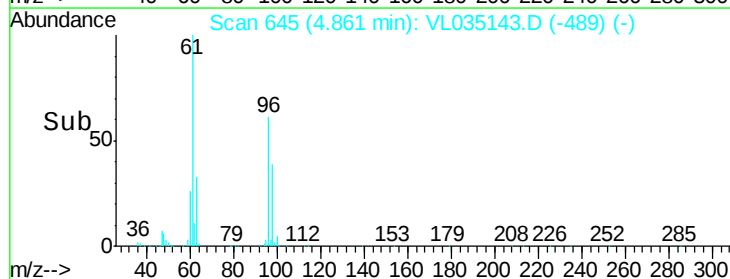
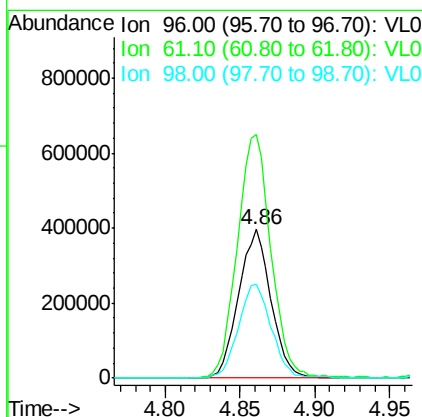
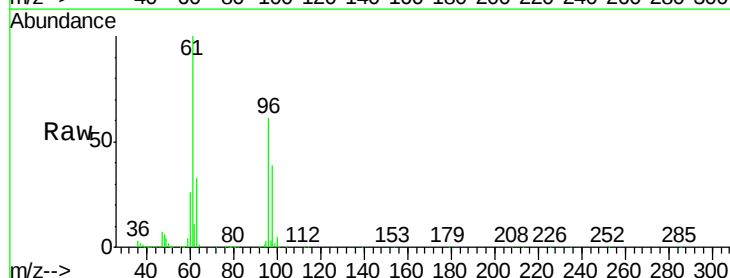
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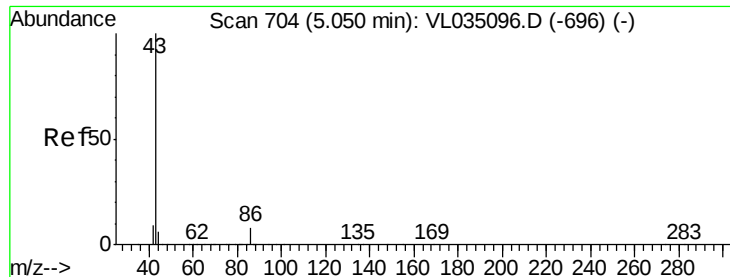
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#22
trans-1,2-Dichloroethene
Concen: 11.532 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.1	134.5	201.7
98	63.5	52.6	79.0





#23

Vinyl Acetate

Concen: 10.796 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1950074

Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.2

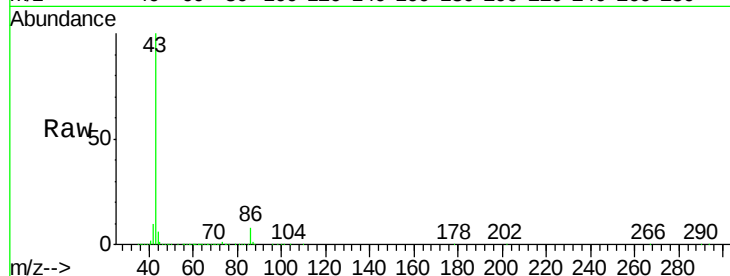
42 10.0 8.1 12.1

44 5.6 4.6 7.0

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7/9/2020 12:00:26 PM

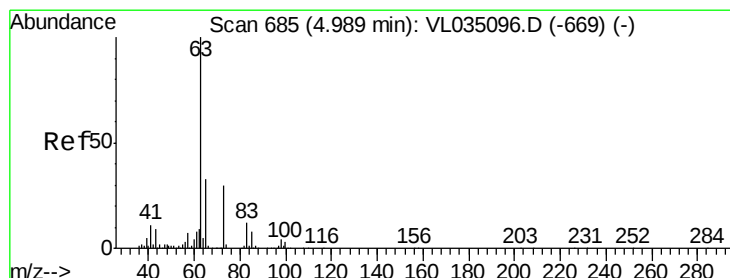
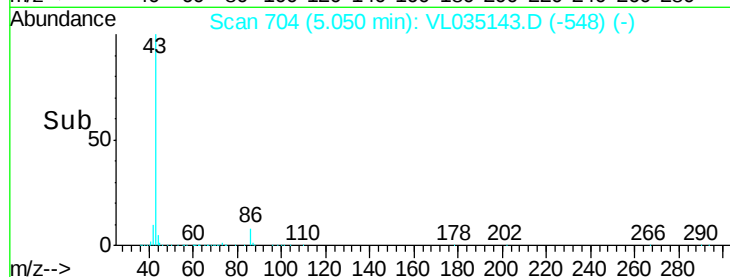
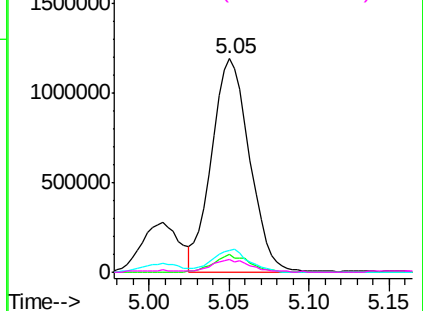


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.997 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

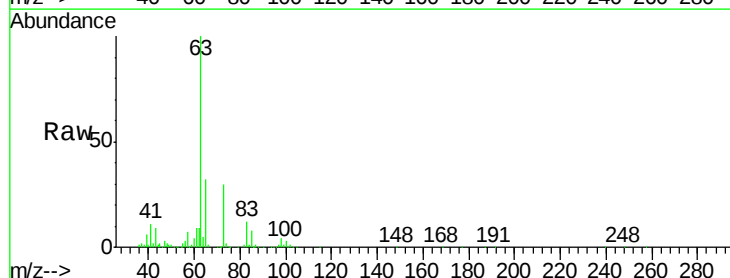
Tgt Ion: 63 Resp: 1522388

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

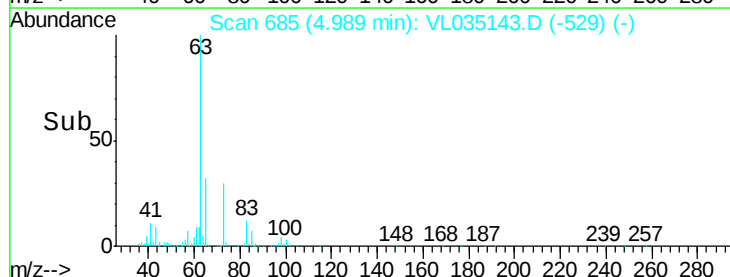
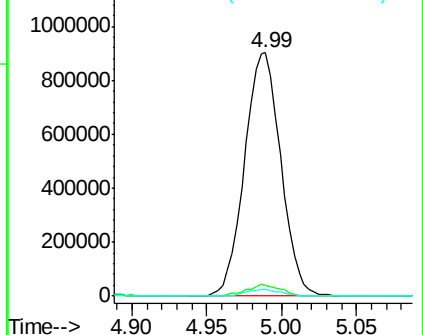
100 2.8 1.4 4.0

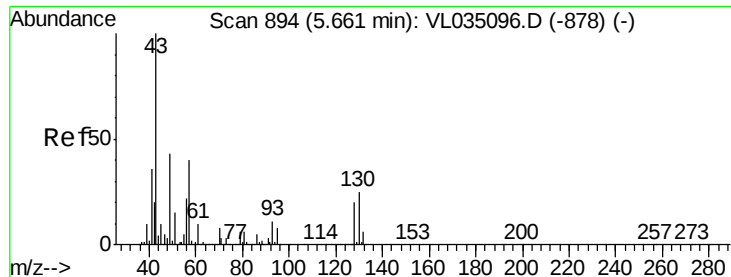


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





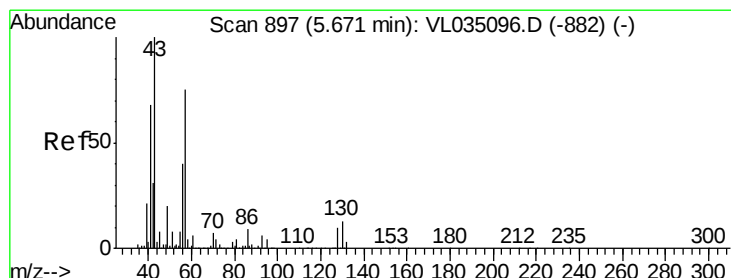
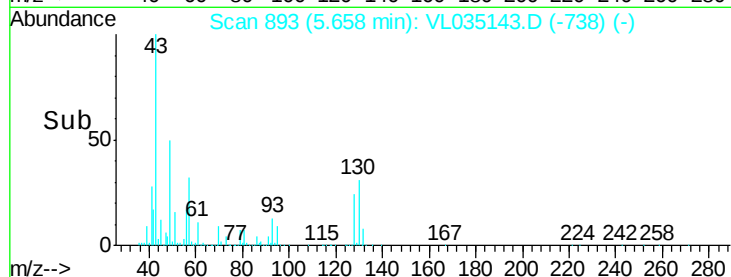
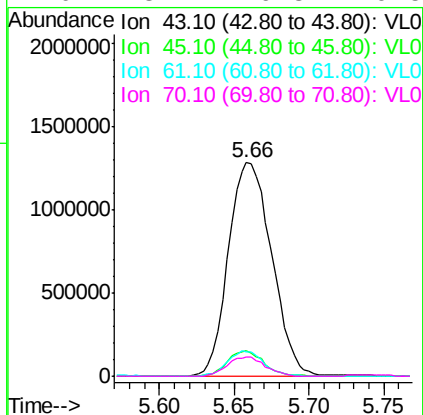
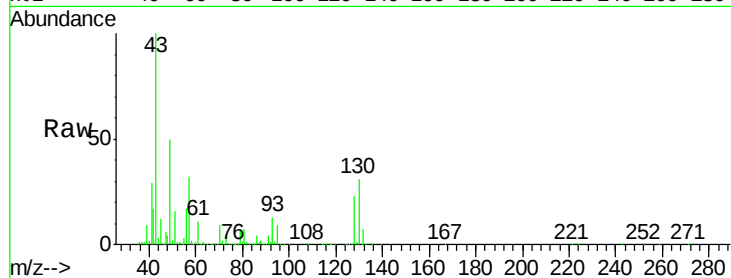
#25
Ethyl Acetate
Concen: 9.615 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.0	8.0	12.0
70	8.1	6.3	9.5

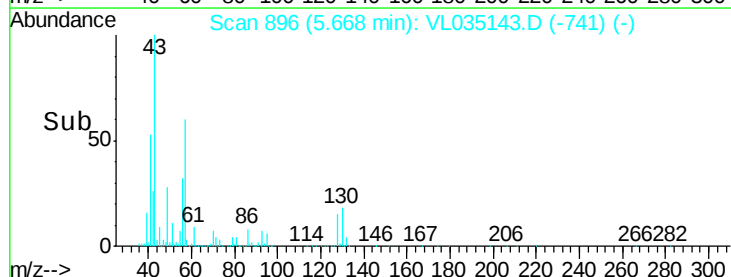
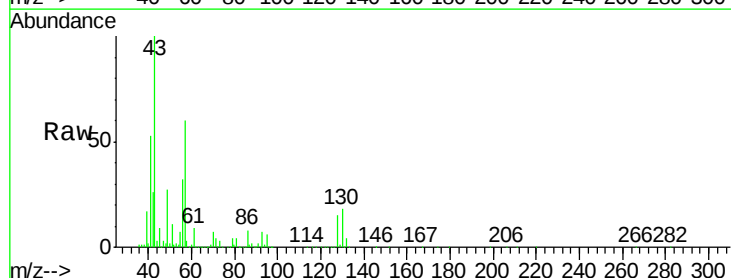
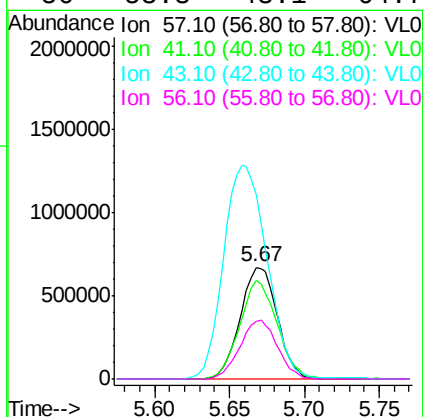
Manual Integrations
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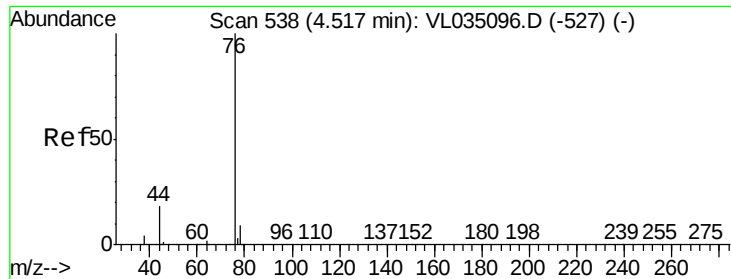
MMDadoda
7/9/2020 12:00:26 PM



#26
Hexane
Concen: 9.546 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.6	72.9	109.3
43	224.9	181.3	271.9
56	53.3	43.1	64.7





#27

Carbon Disulfide

Concen: 12.524 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1569262

Ion Ratio Lower Upper

76 100

44 19.3 15.8 23.8

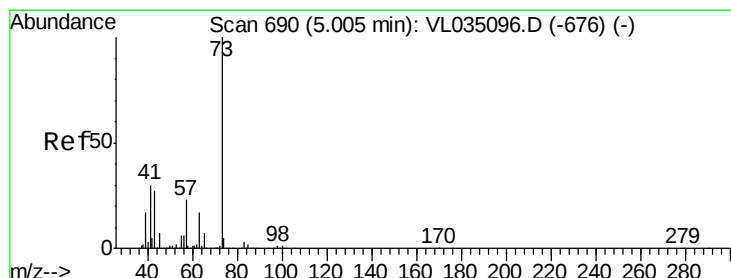
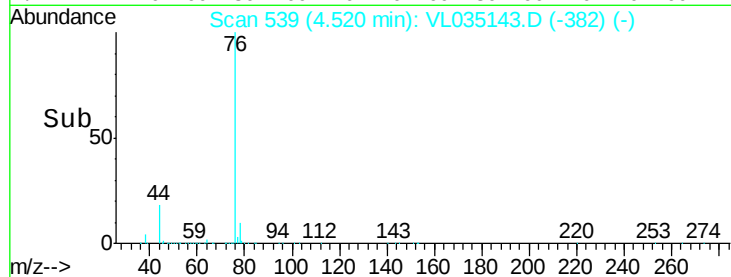
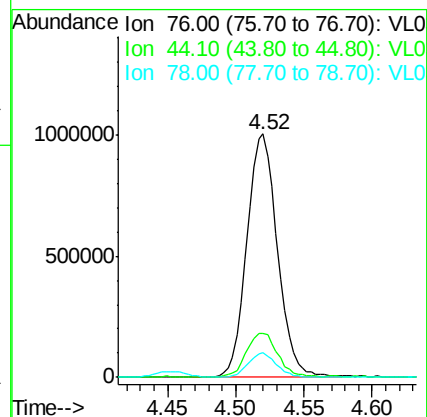
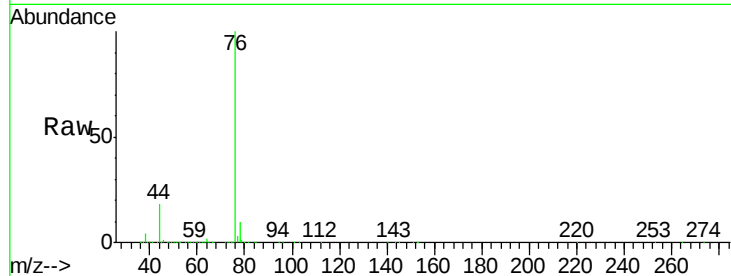
78 9.4 7.6 11.4

Manual Integrations

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7/9/2020 12:00:26 PM



#28

Methyl tert-Butyl Ether

Concen: 10.752 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035143.D

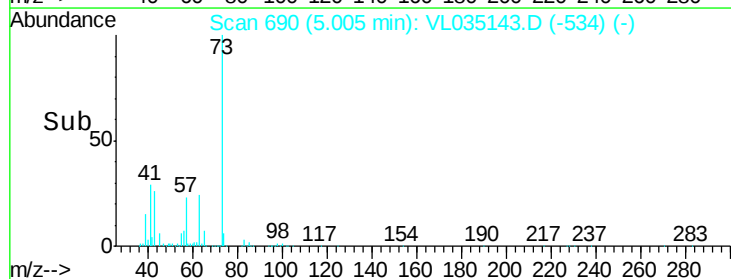
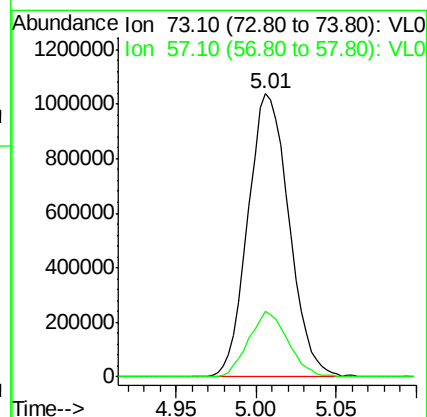
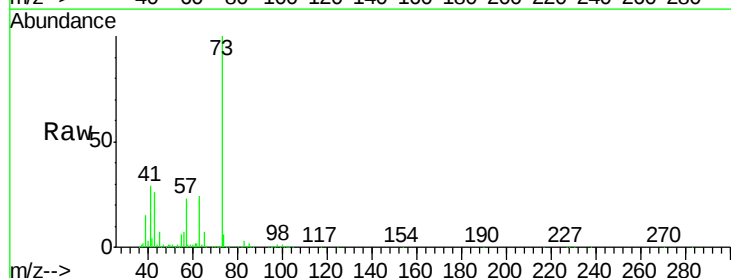
Acq: 6 Jul 2020 9:47

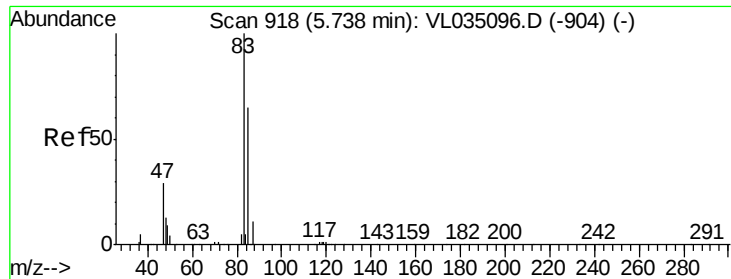
Tgt Ion: 73 Resp: 1829185

Ion Ratio Lower Upper

73 100

57 22.3 18.5 27.7





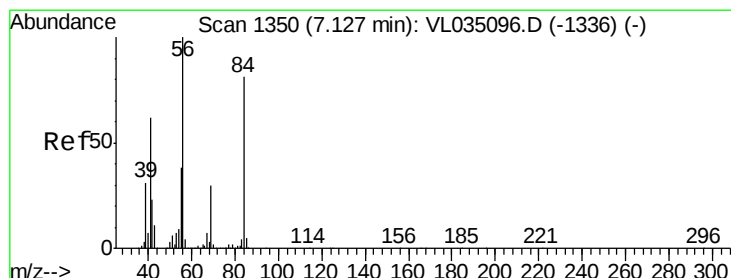
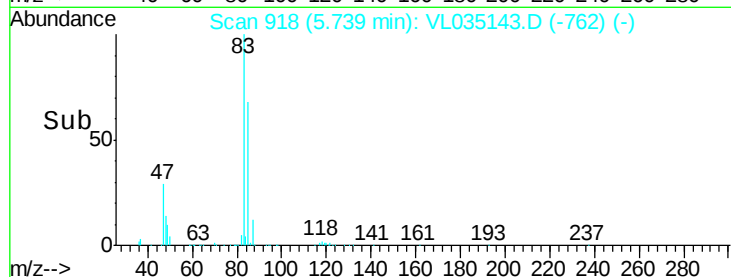
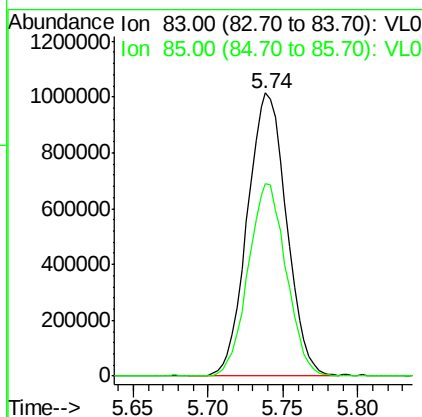
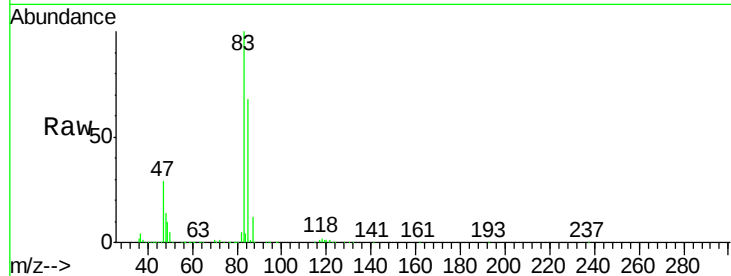
#29
Chloroform
Concen: 9.764 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1850047
Ion Ratio Lower Upper
83 100
85 68.2 52.1 78.1

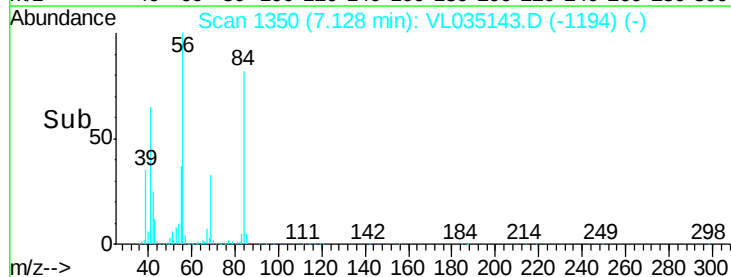
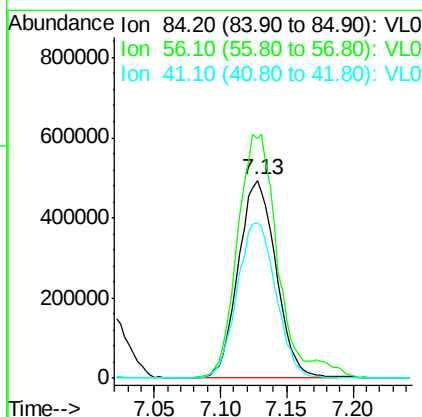
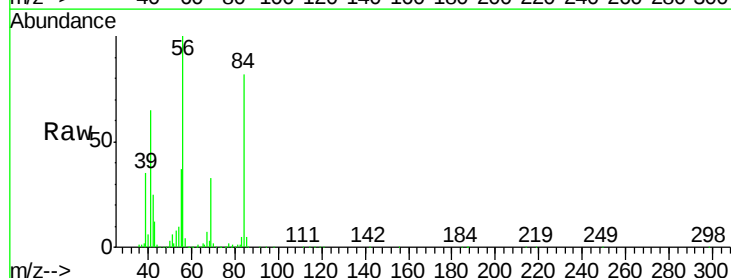
Manual Integrations
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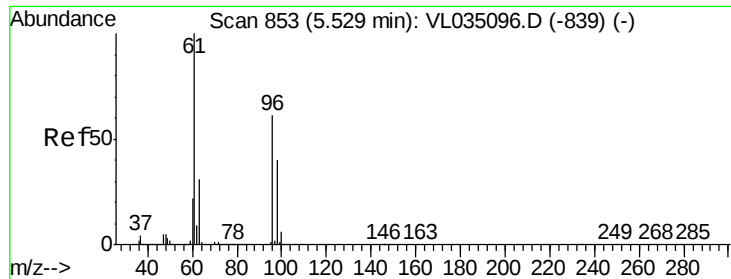
MMDadoda
7/9/2020 12:00:26 PM



#30
Cyclohexane
Concen: 11.236 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 84 Resp: 976389
Ion Ratio Lower Upper
84 100
56 133.4 108.0 162.0
41 81.3 65.6 98.4





#31

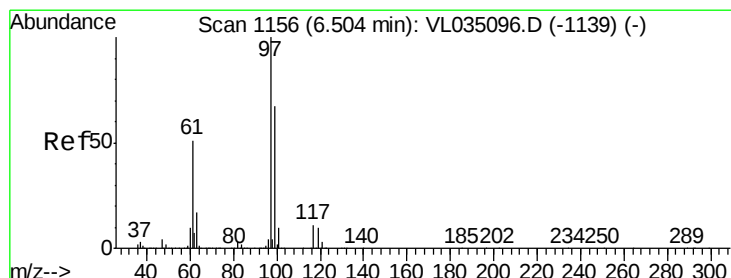
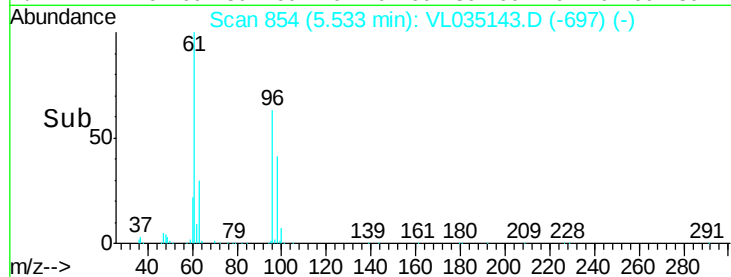
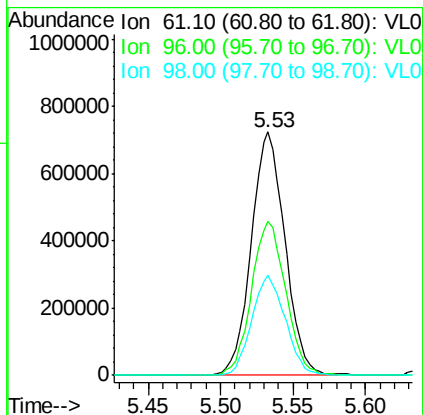
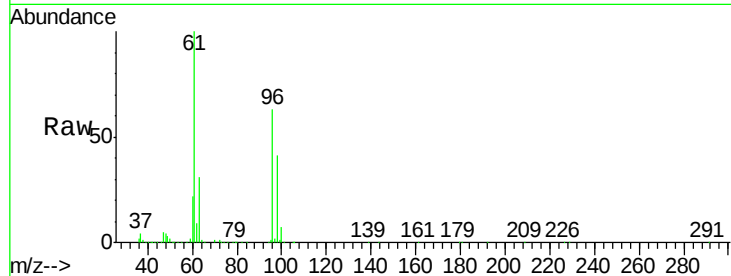
cis-1,2-Dichloroethene
 Concen: 10.502 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	61	Resp:	1172243
Ion	Ratio	Lower	Upper
61	100		
96	63.1	48.8	73.2
98	41.0	31.9	47.9

Manual Integrations
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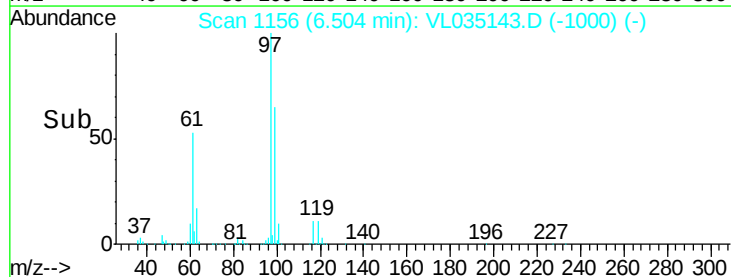
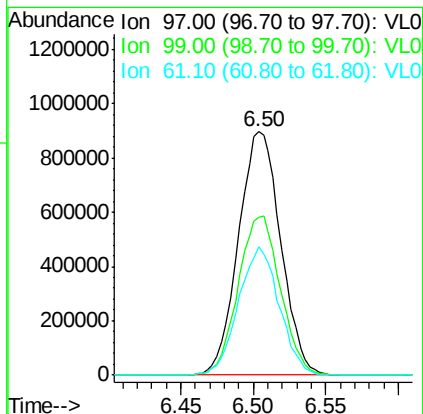
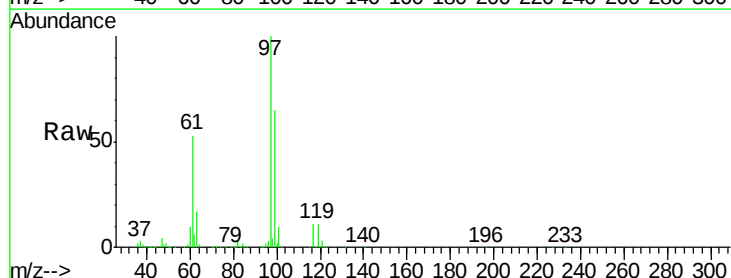
MMDadoda
 7/9/2020 12:00:26 PM

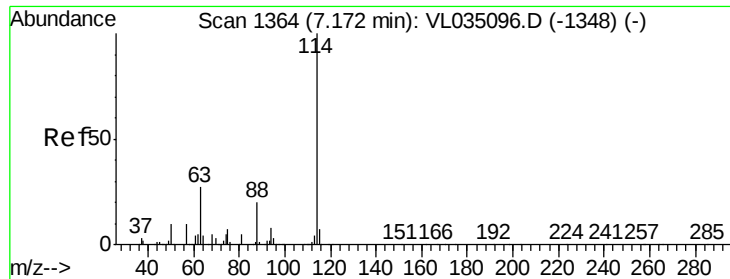


#32

1,1,1-Trichloroethane
 Concen: 10.330 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:	97	Resp:	1815495
Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	50.9	41.0	61.6





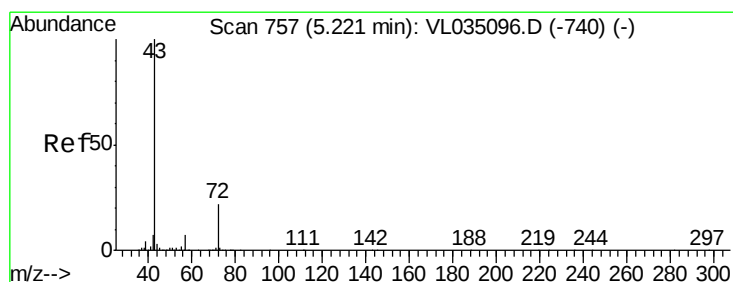
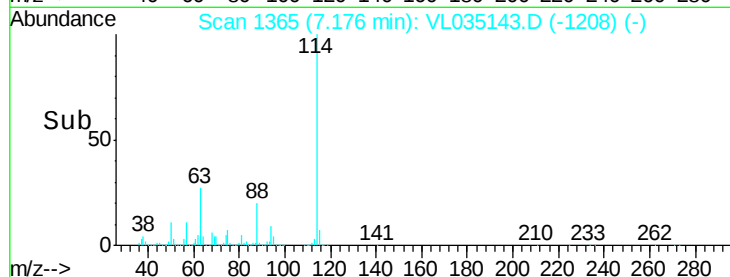
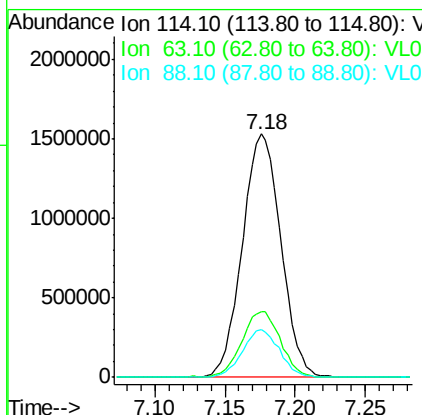
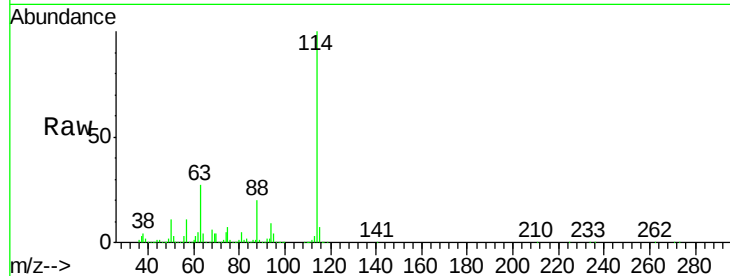
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.9	32.9
88	18.9	15.6	23.4

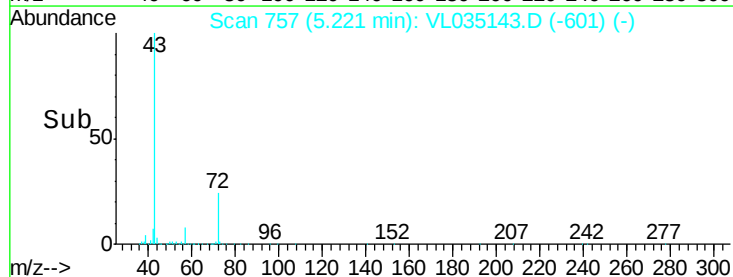
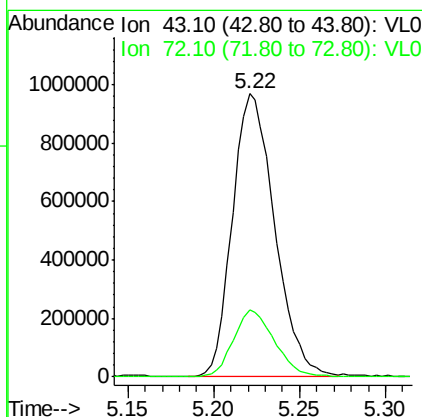
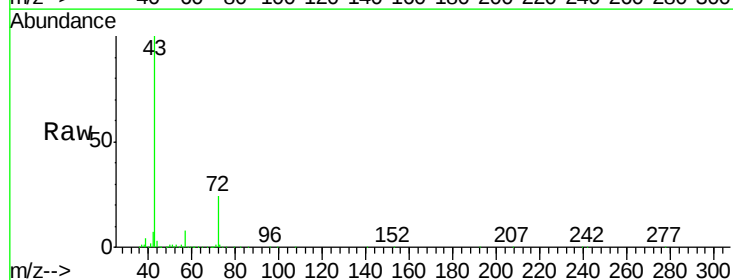
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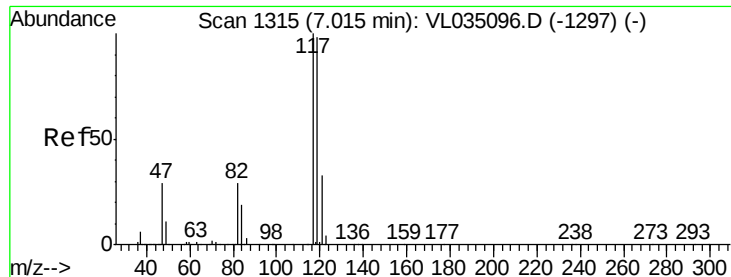
MMDadoda
 7/9/2020 12:00:26 PM



#34
 2-Butanone
 Concen: 9.809 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.3	27.5





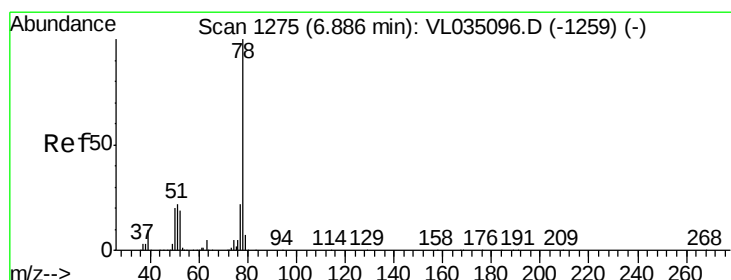
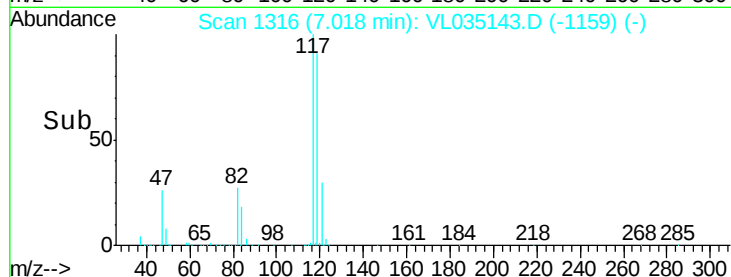
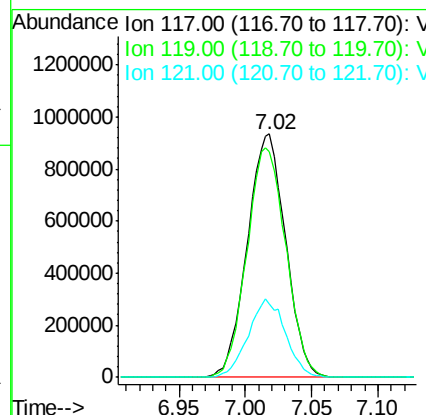
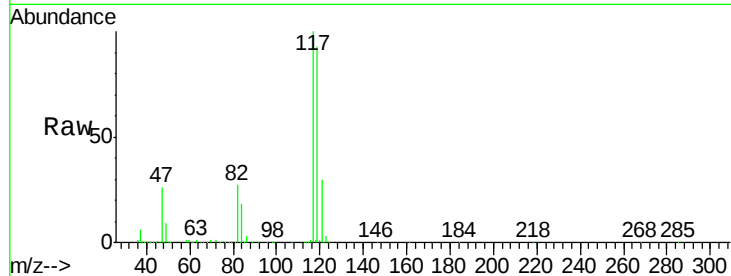
#35
Carbon Tetrachloride
Concen: 10.665 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.5	78.3	117.5
121	30.0	26.0	39.0

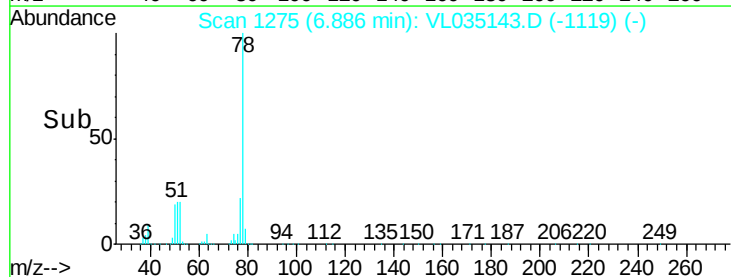
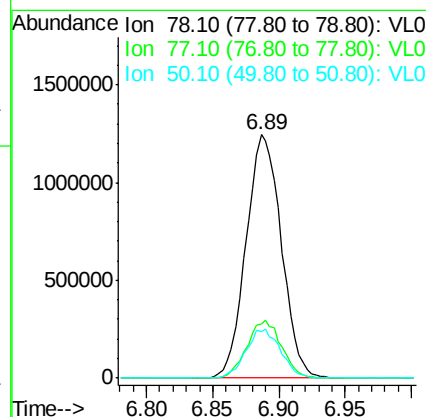
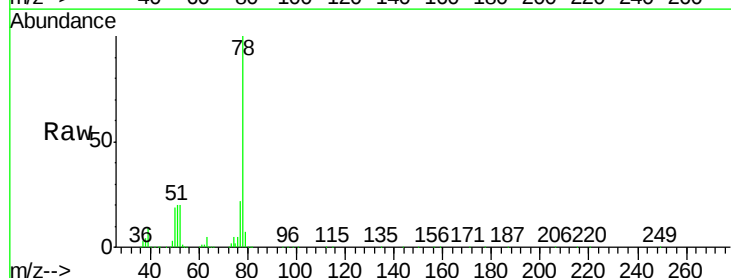
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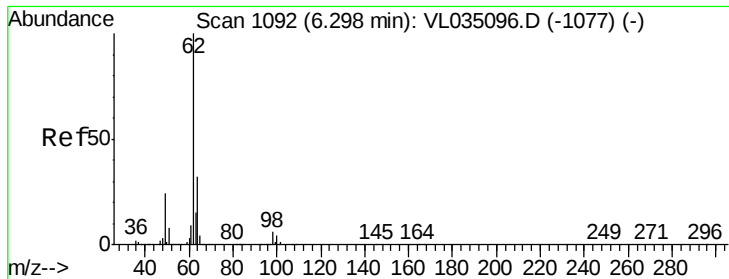
MMDadoda
7/9/2020 12:00:26 PM



#36
Benzene
Concen: 10.138 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.8	26.6
50	19.1	16.2	24.2





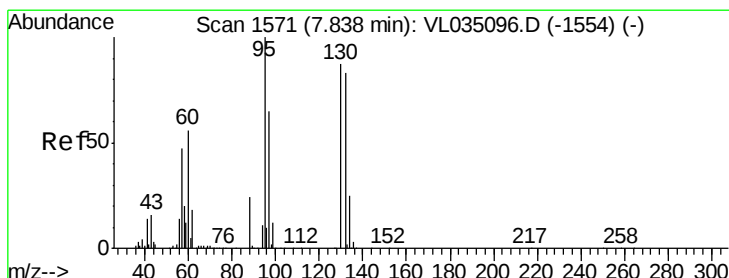
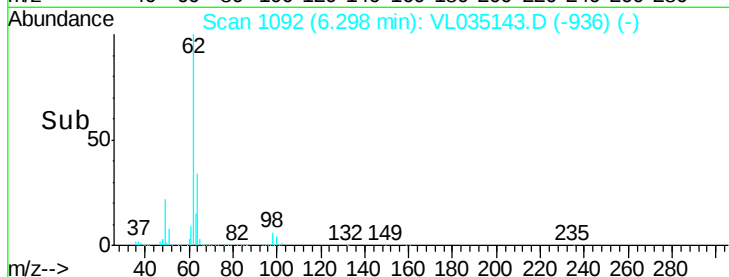
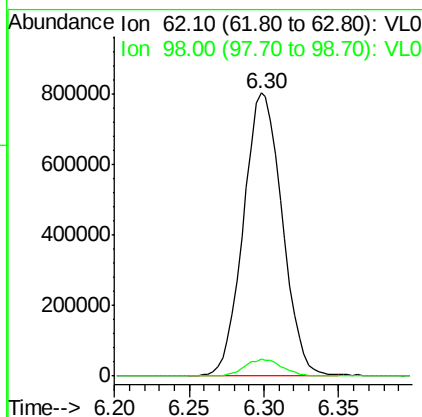
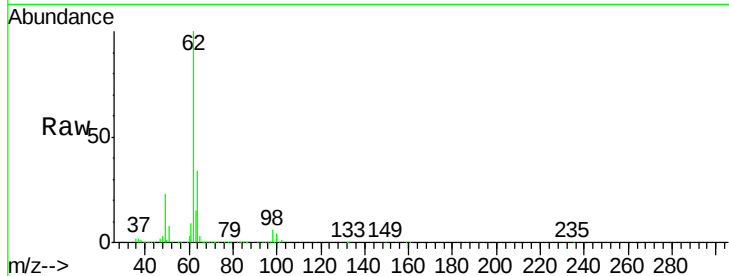
#37
 1,2-Dichloroethane
 Concen: 10.110 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1450928
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.8 7.2

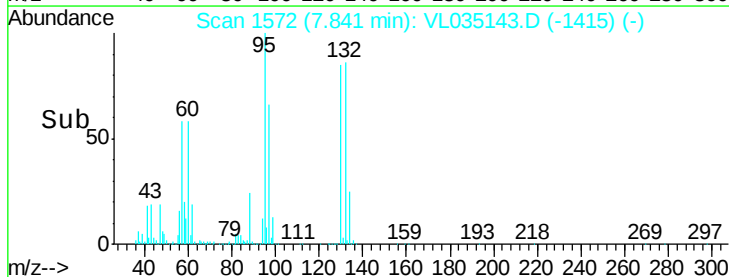
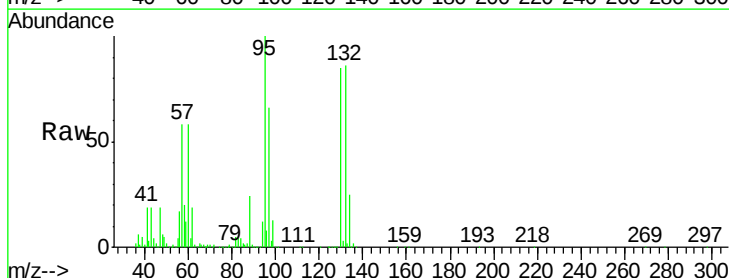
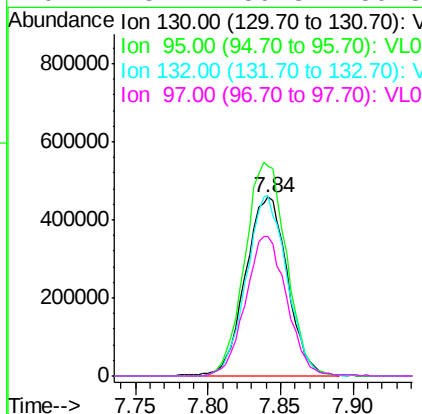
Manual Integrations
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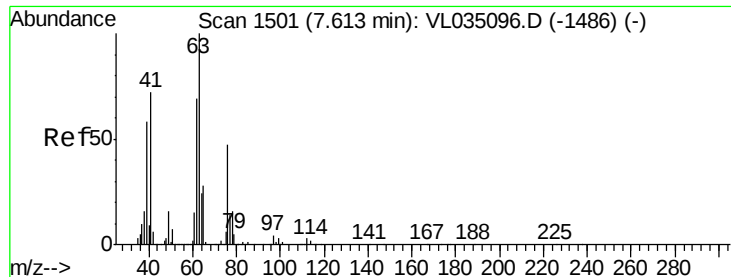
MMDadoda
 7/9/2020 12:00:26 PM



#38
 Trichloroethene
 Concen: 10.369 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:130 Resp: 914615
 Ion Ratio Lower Upper
 130 100
 95 117.9 91.4 137.2
 132 101.2 75.8 113.6
 97 78.4 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.108 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 897784

Ion Ratio Lower Upper

63 100

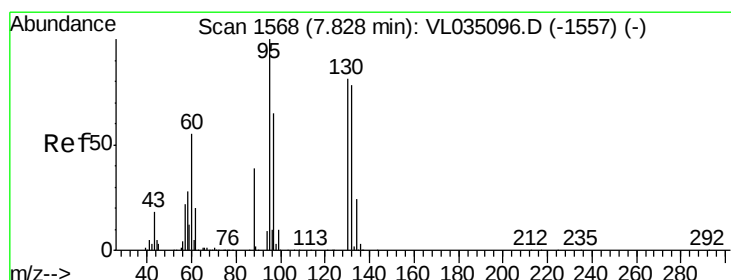
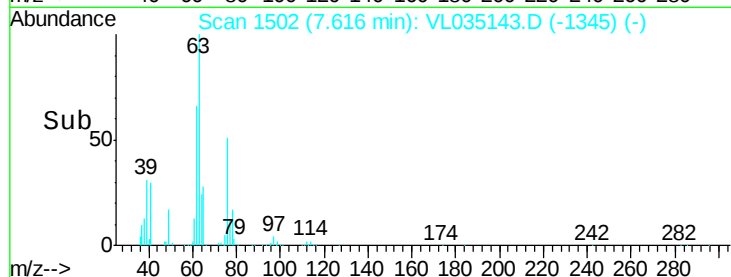
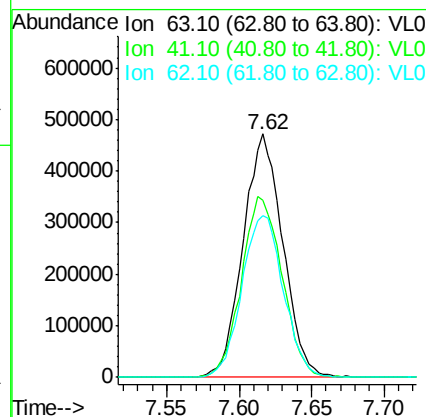
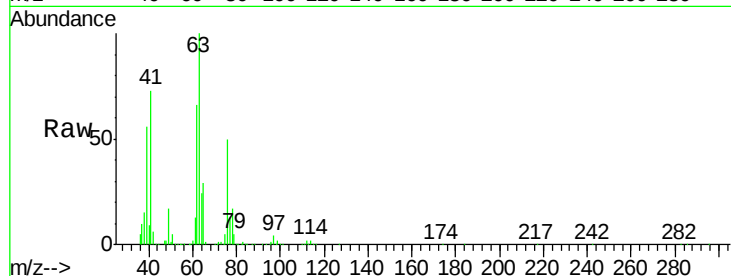
41 72.7 58.0 87.0

62 66.1 55.4 83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.150 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 88 Resp: 355582

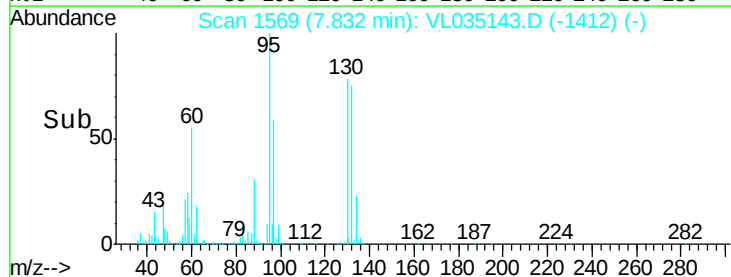
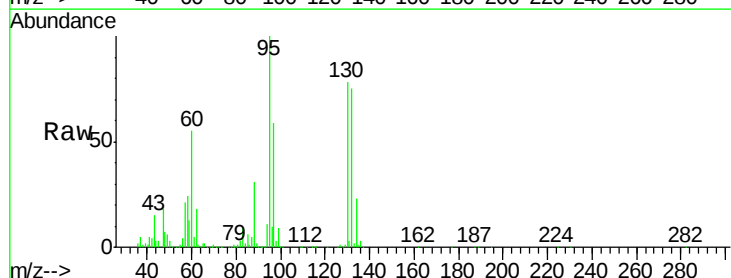
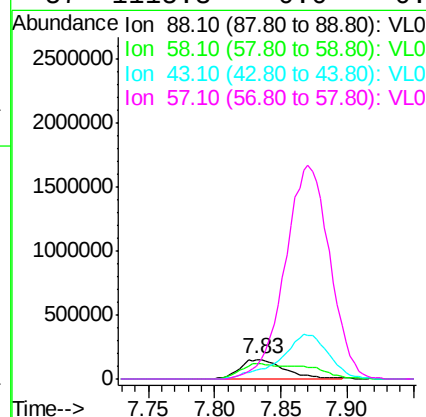
Ion Ratio Lower Upper

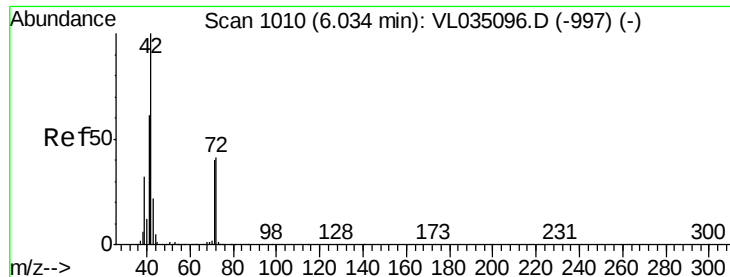
88 100

58 127.7 110.2 165.4

43 252.3 0.0 0.0#

57 1115.3 0.0 0.0#





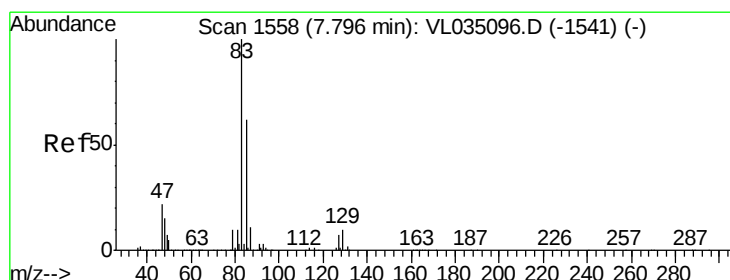
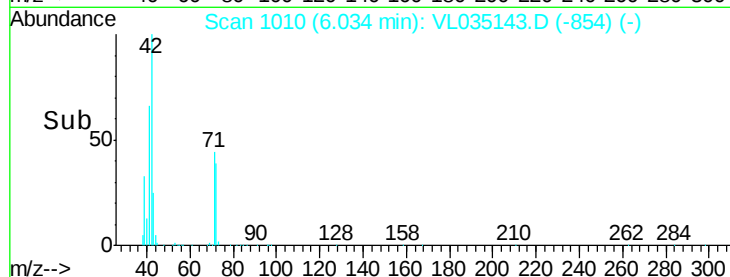
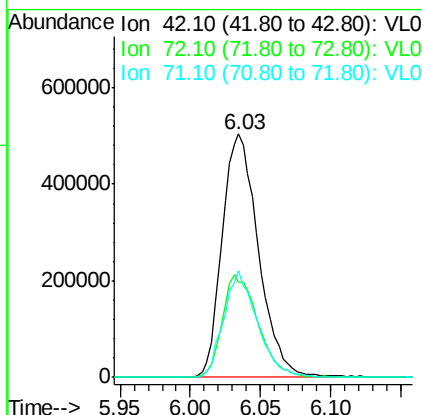
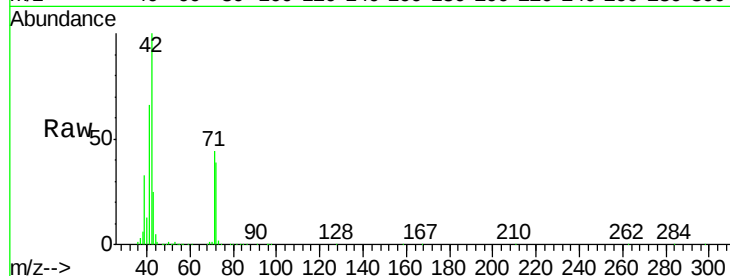
#41
Tetrahydrofuran
Concen: 10.456 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.2
71	40.8	31.8	47.6

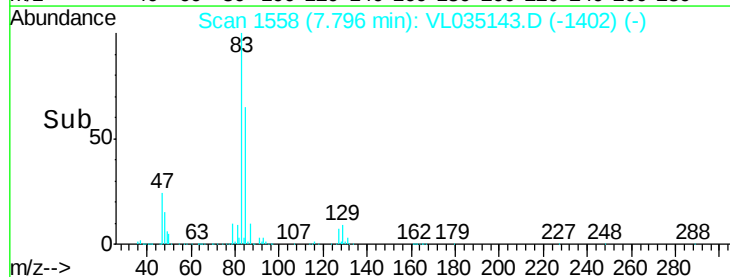
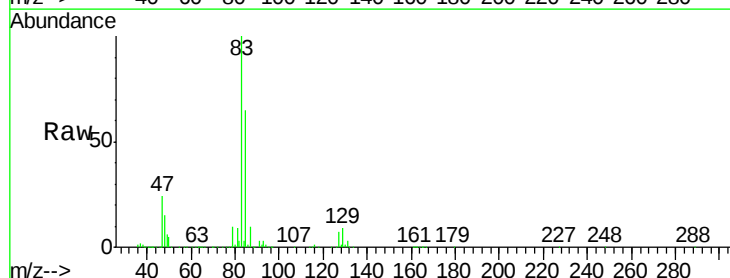
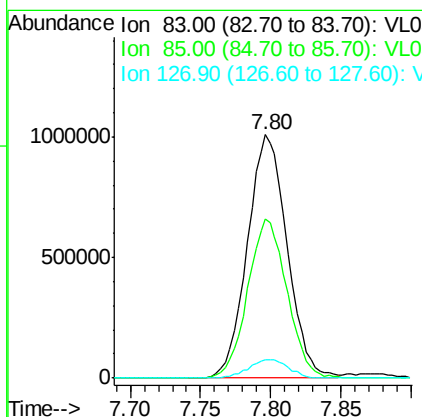
Manual Integrations
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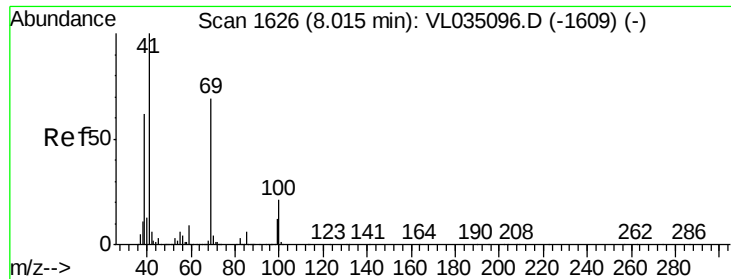
MMDadoda
7/9/2020 12:00:26 PM



#42
Bromodichloromethane
Concen: 10.685 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.4	74.0
127	7.5	5.9	8.9





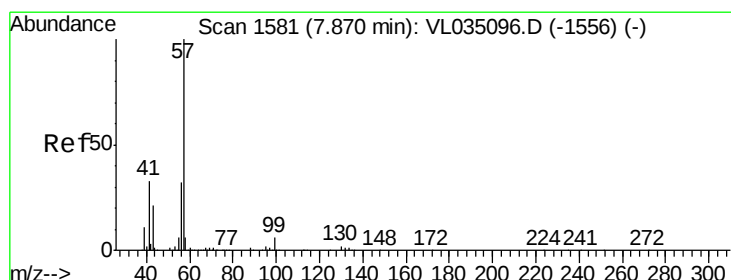
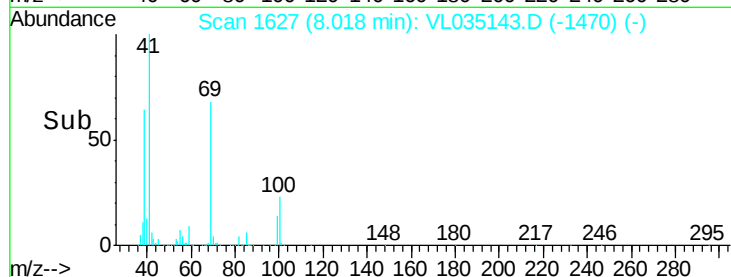
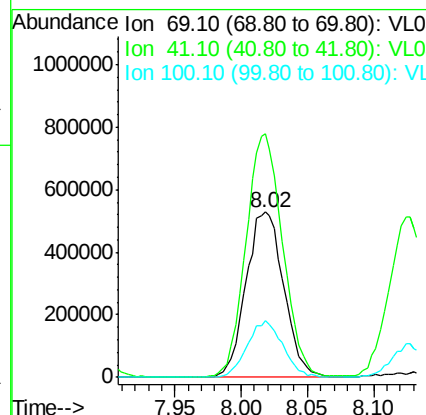
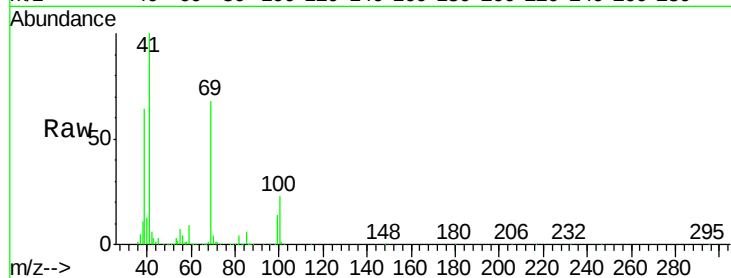
#43
Methvl Methacrilate
Concen: 10.891 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1046909
Ion Ratio Lower Upper
69 100
41 142.8 116.4 174.6
100 32.4 25.3 37.9

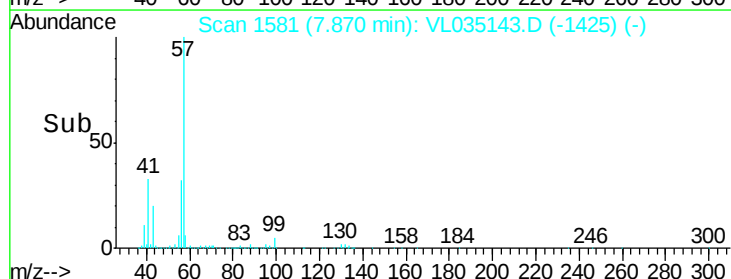
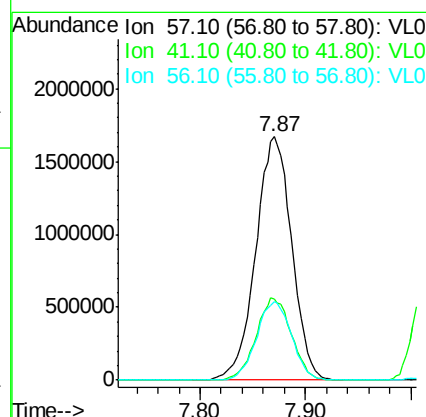
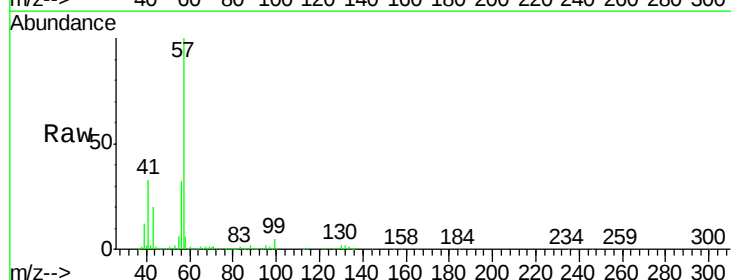
Manual Integrations
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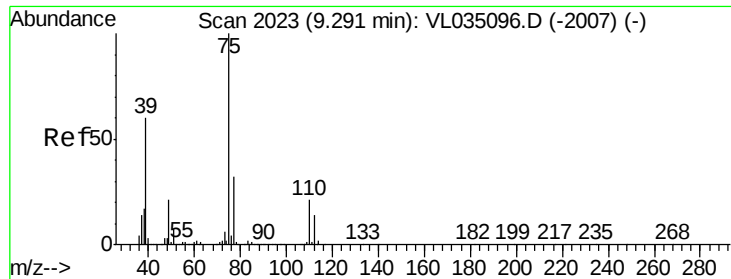
MMDadoda
7/9/2020 12:00:26 PM



#44
2,2,4-Trimethylpentane
Concen: 9.989 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 57 Resp: 3959181
Ion Ratio Lower Upper
57 100
41 33.1 26.2 39.2
56 31.5 25.4 38.2





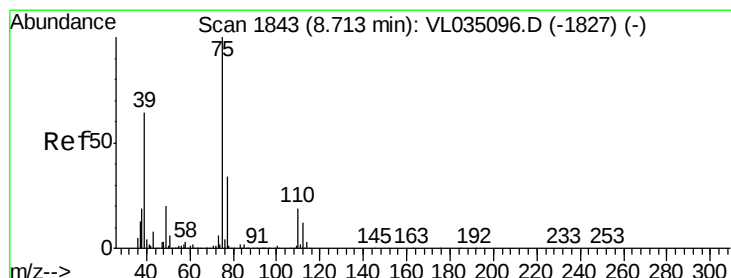
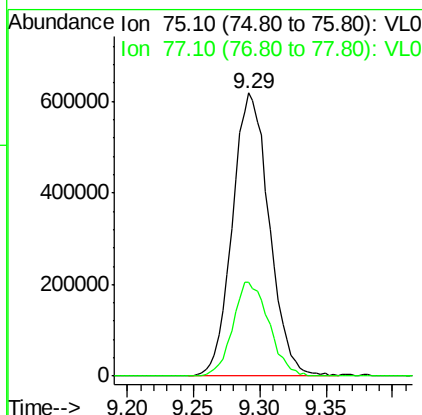
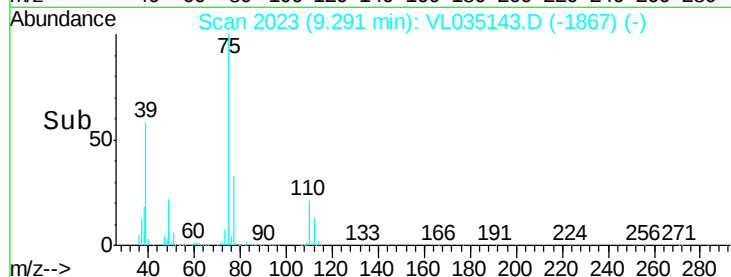
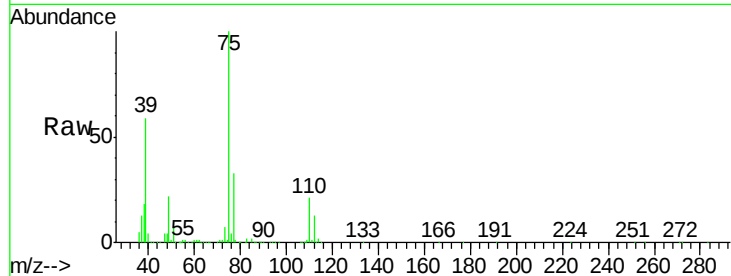
#45
t-1,3-Dichloropropene
Concen: 12.725 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1190394
Ion Ratio Lower Upper
75 100
77 33.1 25.5 38.3

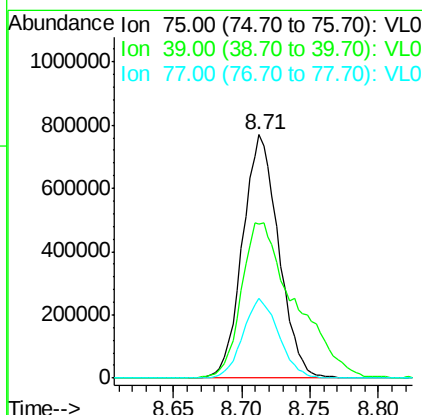
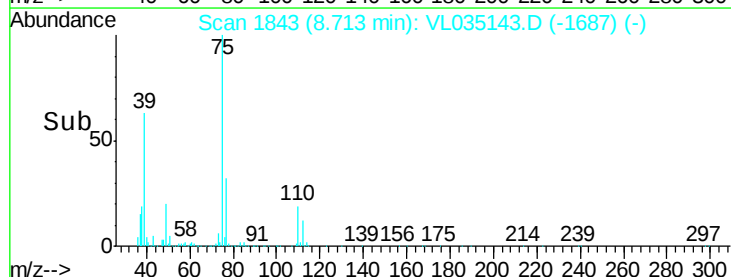
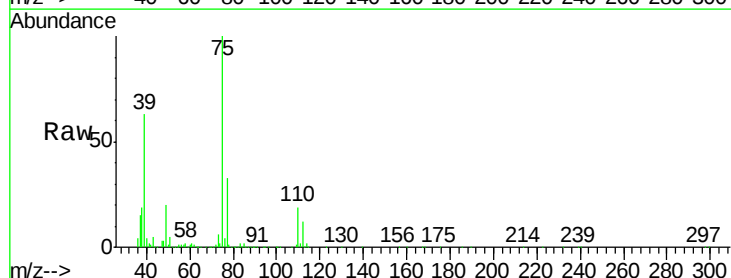
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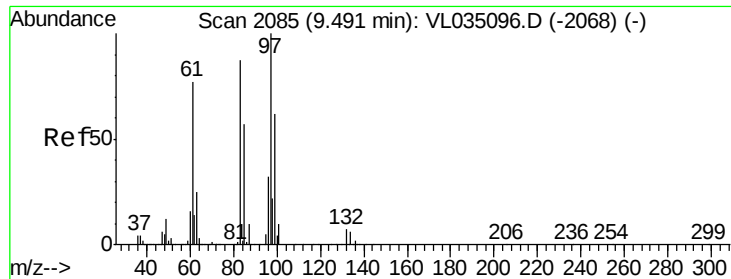
MMDadoda
7/9/2020 12:00:26 PM



#46
cis-1,3-Dichloropropene
Concen: 12.159 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 75 Resp: 1413043
Ion Ratio Lower Upper
75 100
39 63.1 51.1 76.7
77 32.5 26.9 40.3





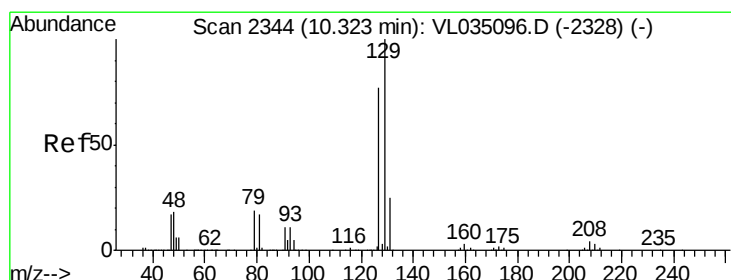
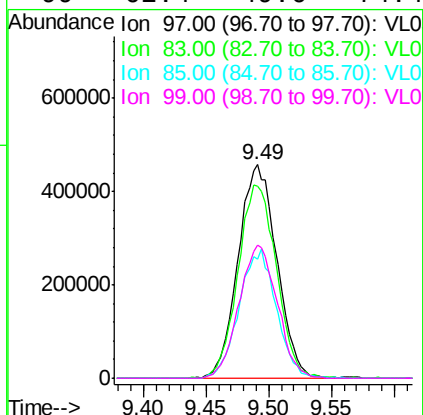
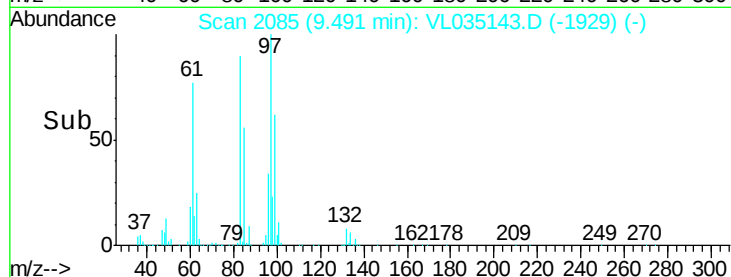
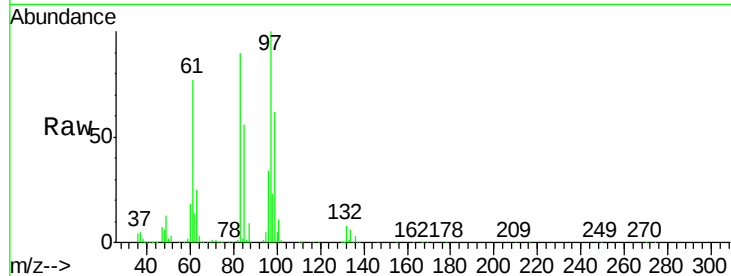
#47
 1,1,2-Trichloroethane
 Concen: 10.081 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.5	104.3
85	56.0	46.0	69.0
99	62.4	49.6	74.4

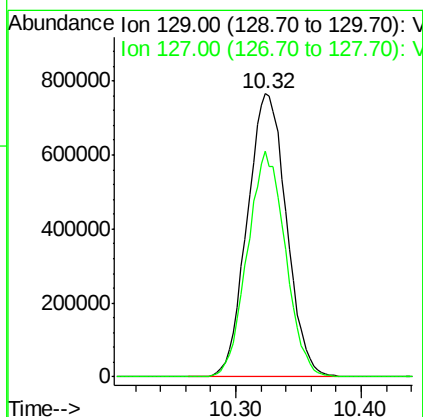
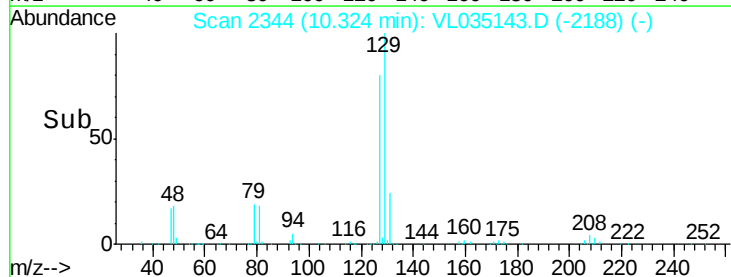
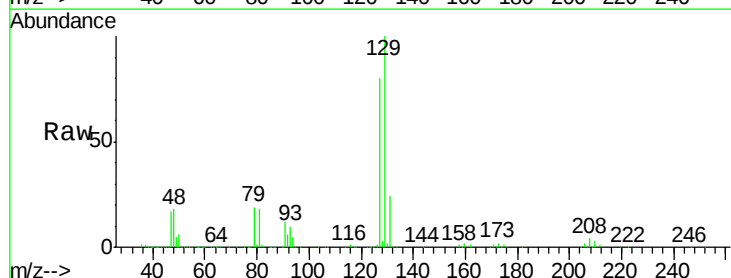
Manual Integrations
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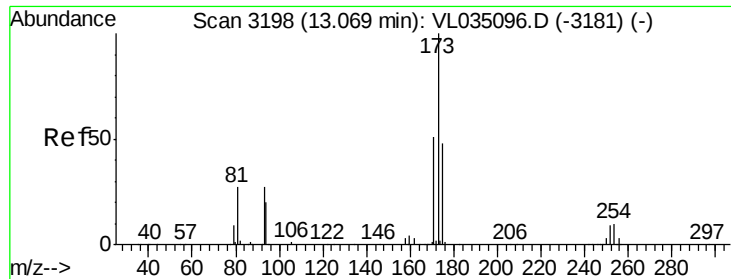
MMDadoda
 7/9/2020 12:00:26 PM



#48
 Dibromochloromethane
 Concen: 11.507 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.8





#49

Bromoform

Concen: 11.686 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1434690

Ion Ratio Lower Upper

173 100

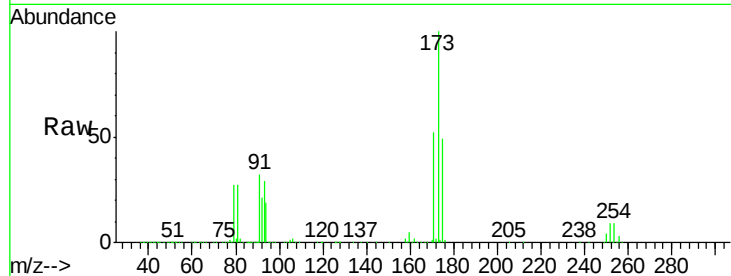
175 48.9 39.1 58.7

171 51.7 41.7 62.5

Manual Integrations
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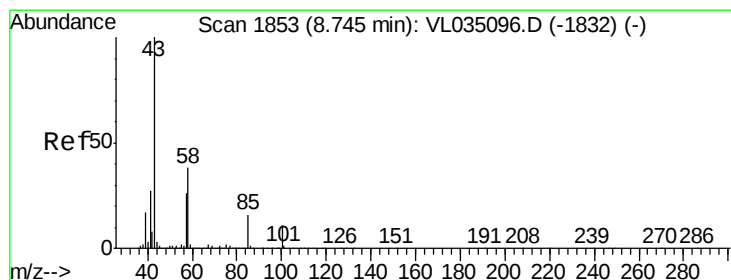
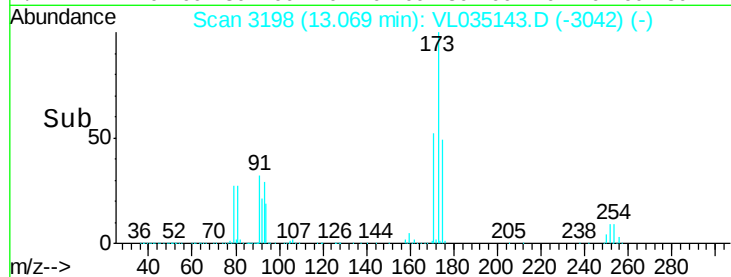
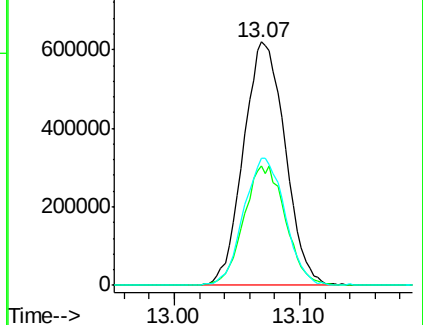
7/9/2020 12:00:26 PM



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: 10.212 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035143.D

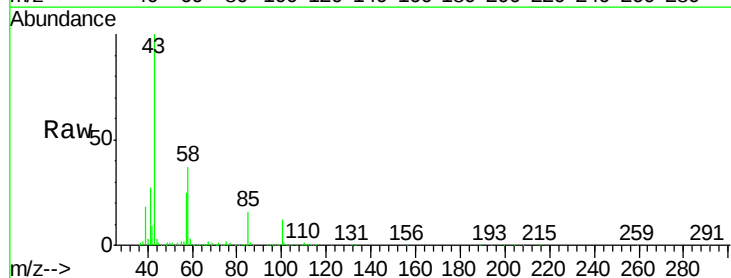
Acq: 6 Jul 2020 9:47

Tgt Ion: 43 Resp: 2443477

Ion Ratio Lower Upper

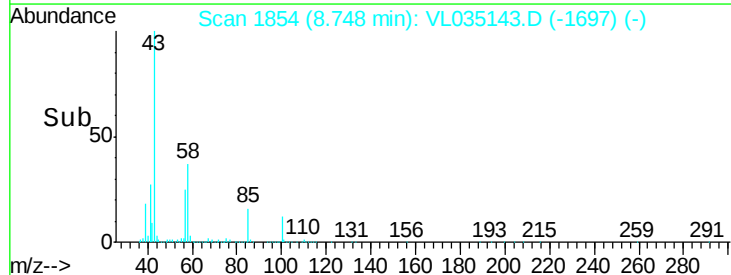
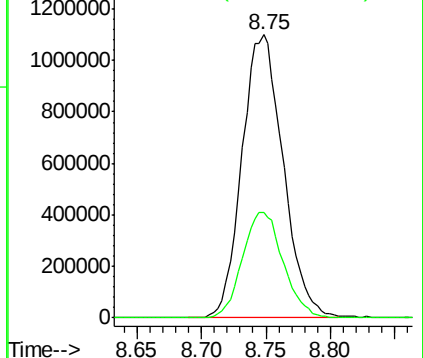
43 100

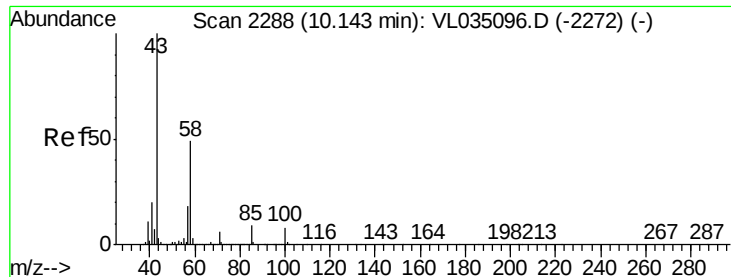
58 37.1 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.743 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2013103

Ion Ratio Lower Upper

43 100

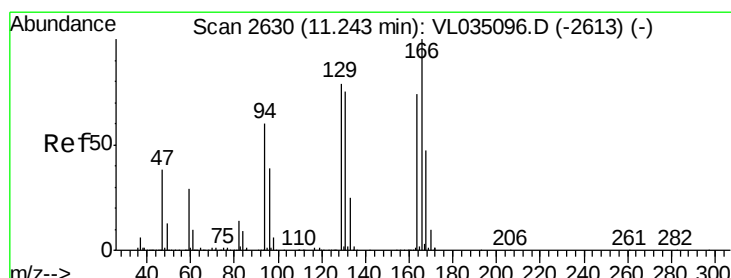
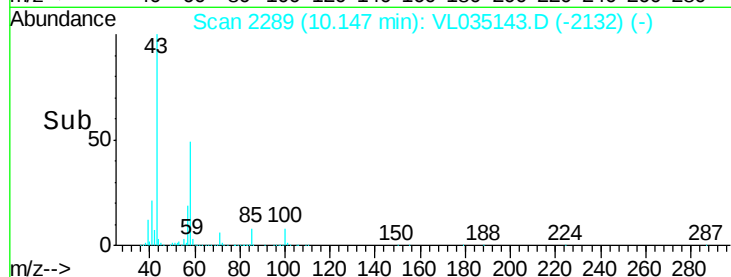
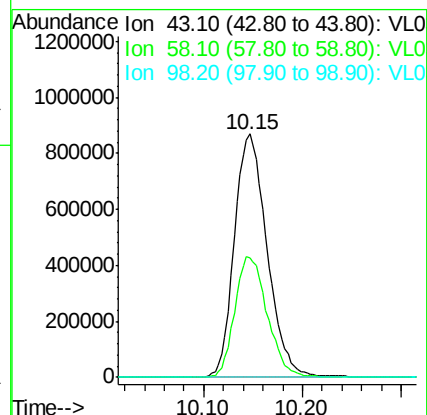
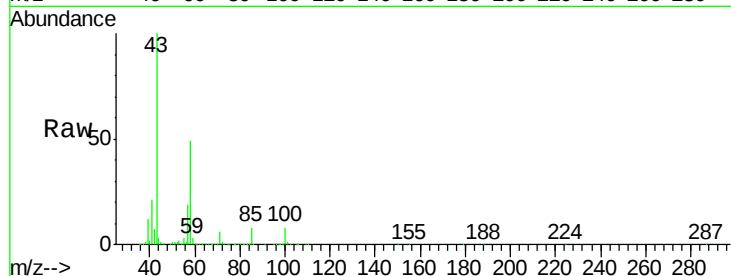
58 49.3 39.2 58.8

98 0.4 0.3 0.5

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#52

Tetrachloroethene

Concen: 10.430 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 164 Resp: 834558

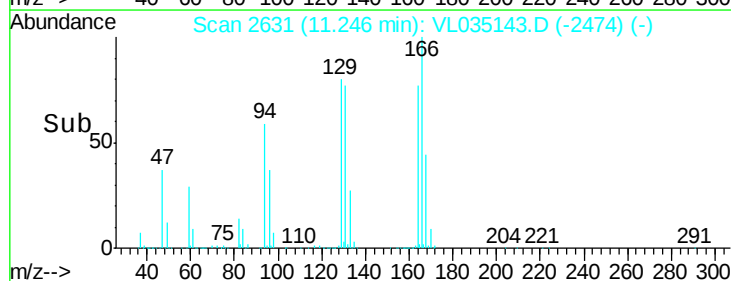
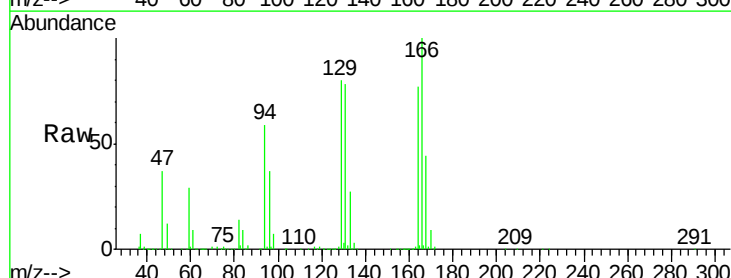
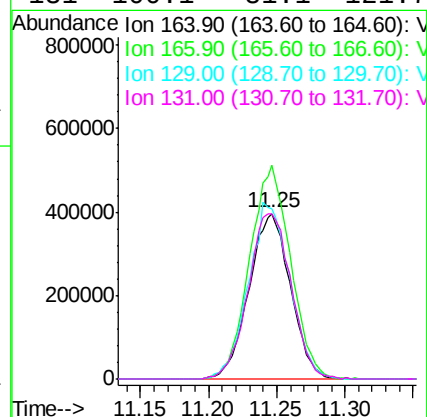
Ion Ratio Lower Upper

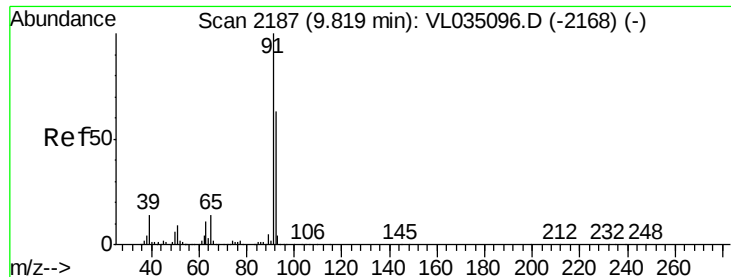
164 100

166 129.2 107.5 161.3

129 103.0 84.9 127.3

131 100.1 81.1 121.7





#53

Toluene

Concen: 11.110 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2690982

Ion Ratio Lower Upper

91 100

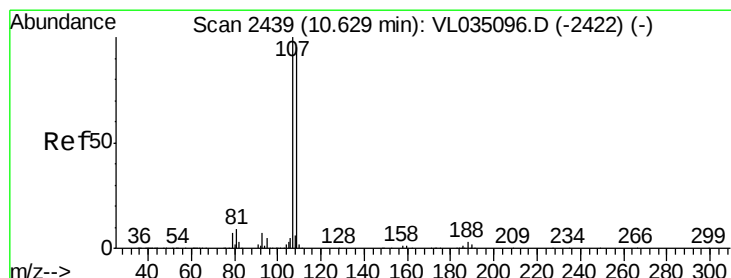
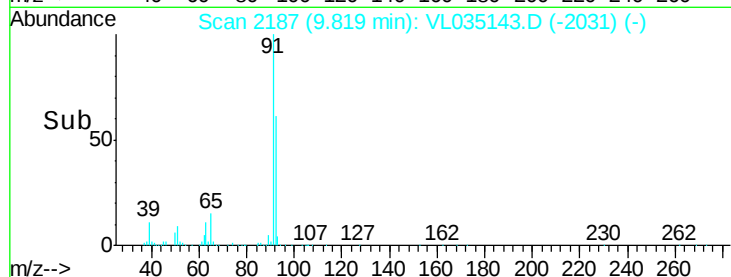
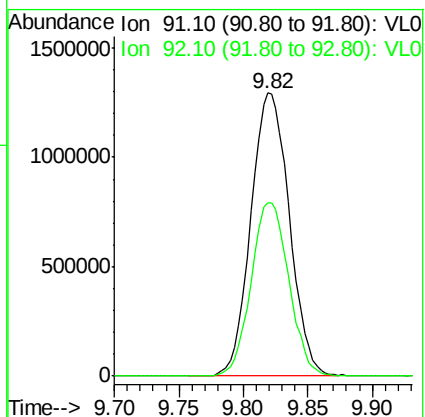
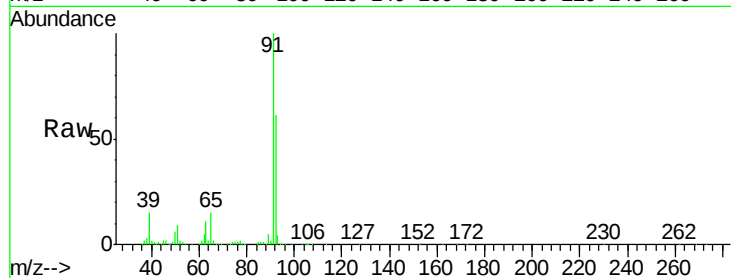
92 60.3 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 10.296 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035143.D

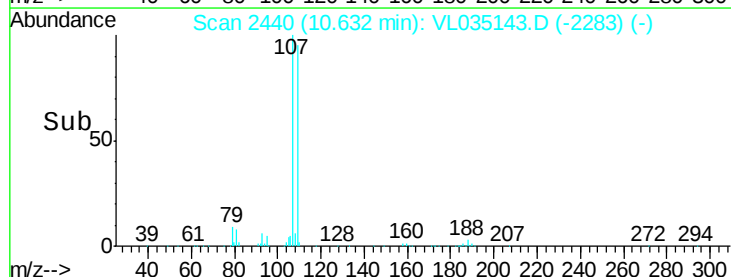
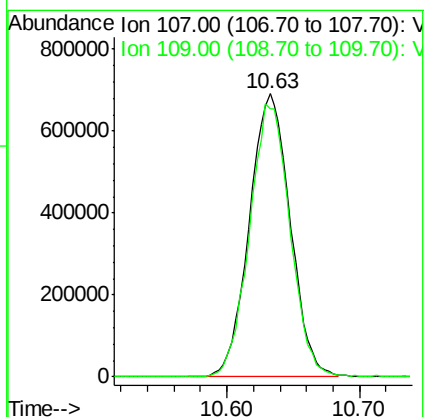
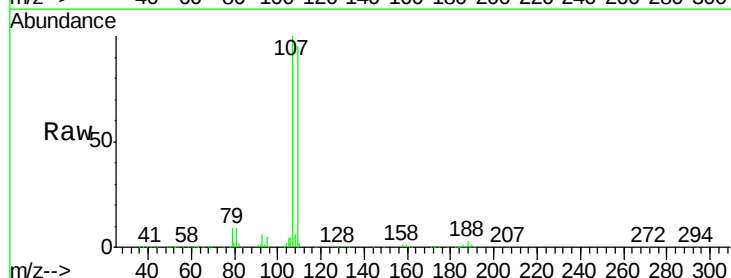
Acq: 6 Jul 2020 9:47

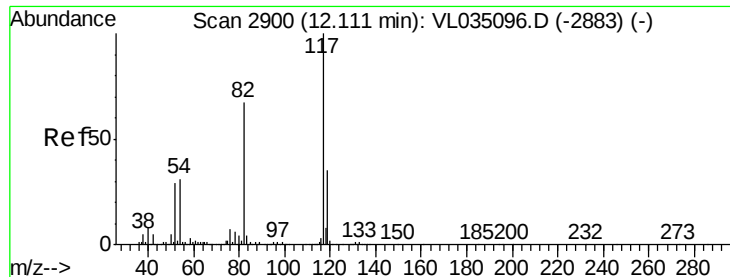
Tgt Ion: 107 Resp: 1477780

Ion Ratio Lower Upper

107 100

109 94.8 75.9 113.9





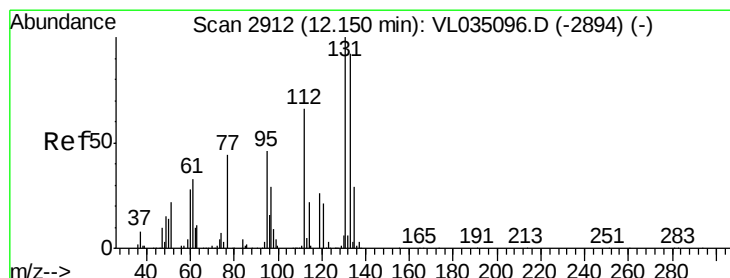
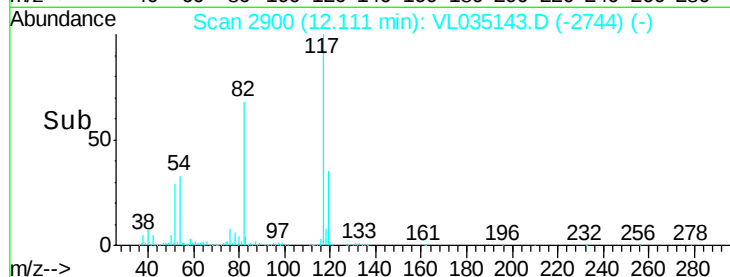
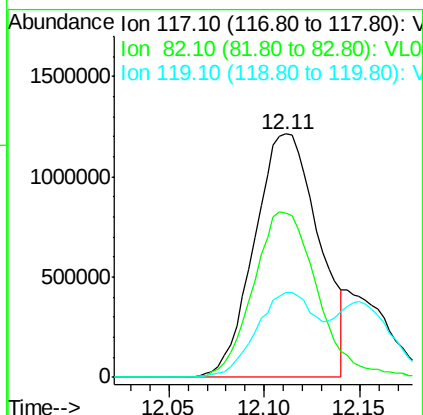
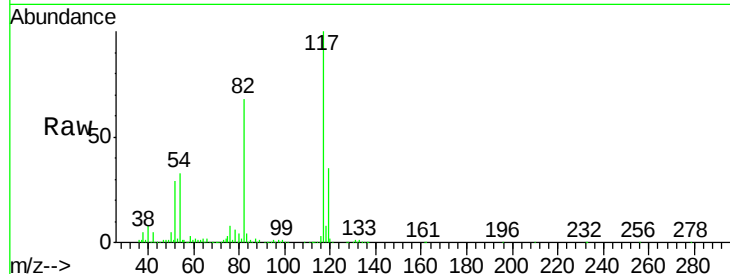
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2855382
Ion Ratio Lower Upper
117 100
82 67.5 50.4 75.6
119 35.6 25.4 38.0

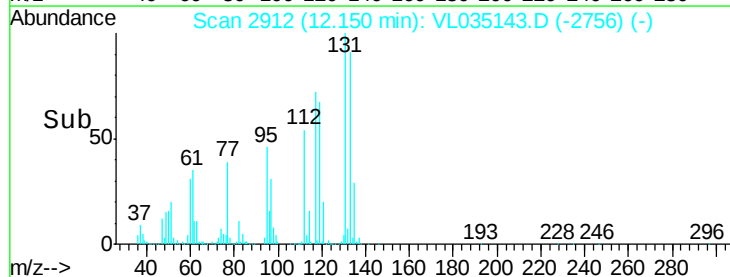
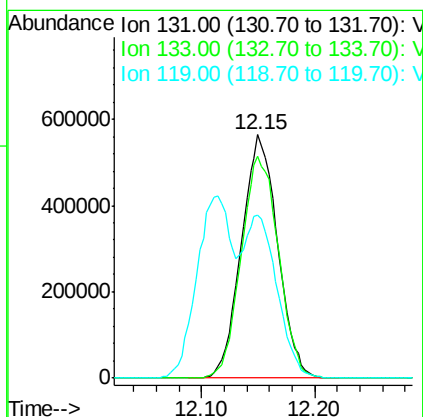
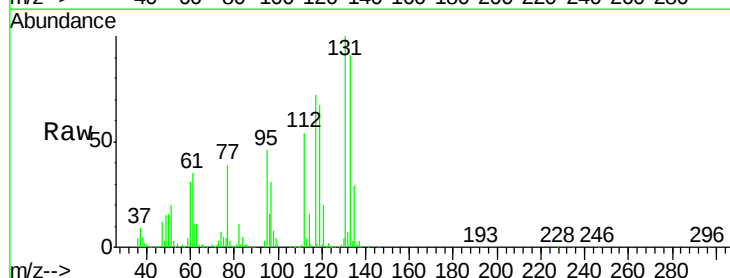
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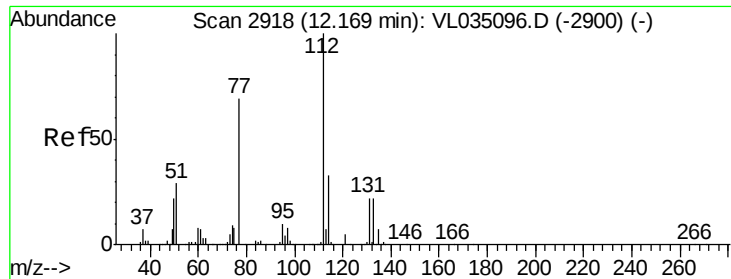
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.719 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion:131 Resp: 1252574
Ion Ratio Lower Upper
131 100
133 94.1 76.2 114.4
119 64.4 114.6 172.0#





#57

Chlorobenzene

Concen: 9.801 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2059342

Ion Ratio Lower Upper

112 100

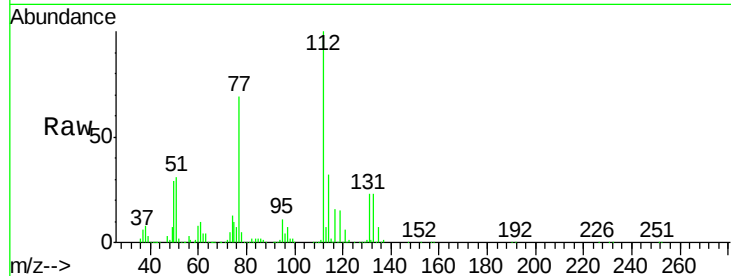
77 68.4 56.7 85.1

114 31.7 29.3 35.9

Manual Integrations
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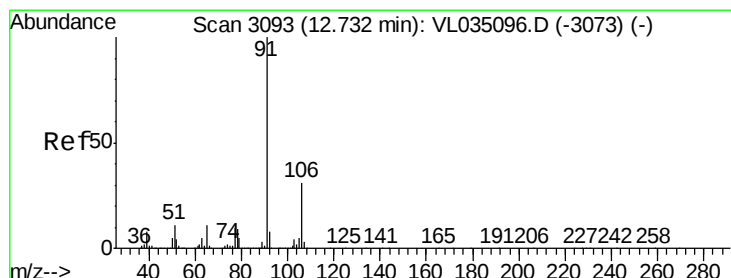
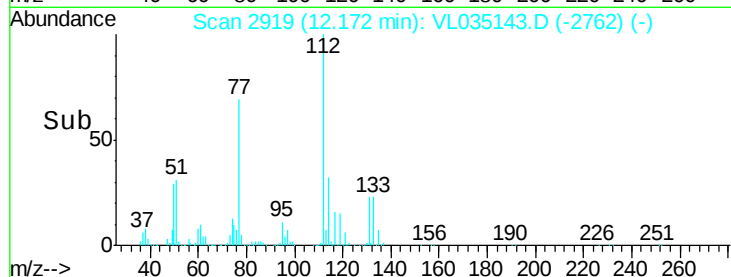
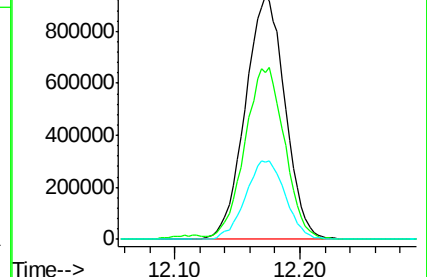
7/9/2020 12:00:26 PM



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: 11.300 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035143.D

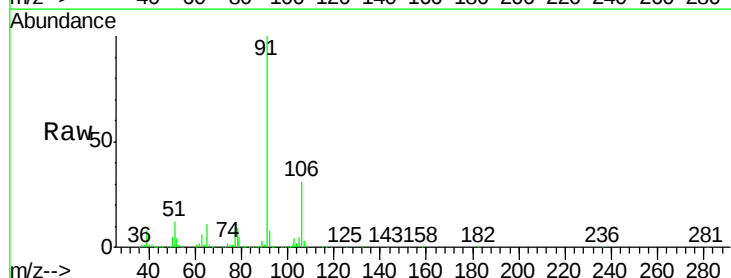
Acq: 6 Jul 2020 9:47

Tgt Ion: 91 Resp: 3625353

Ion Ratio Lower Upper

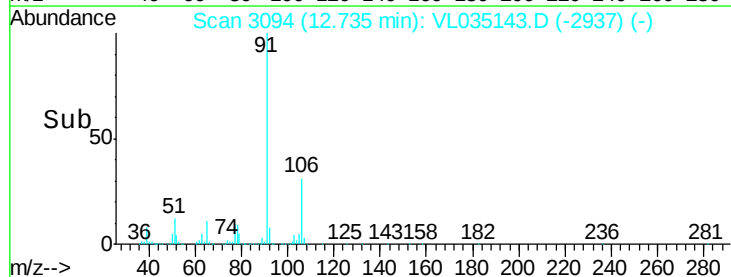
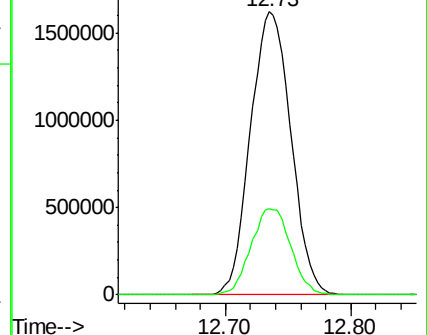
91 100

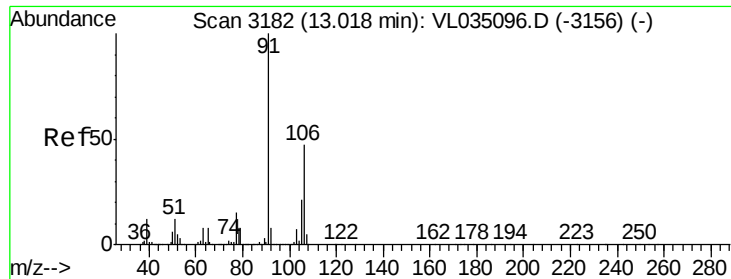
106 30.6 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





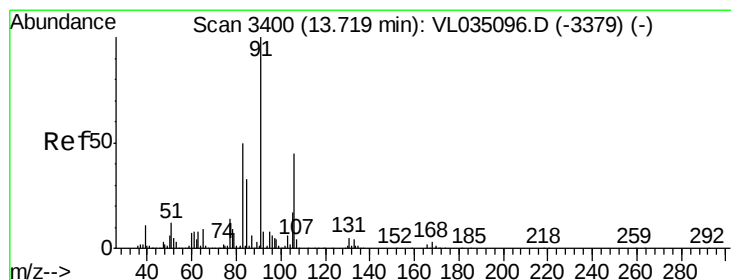
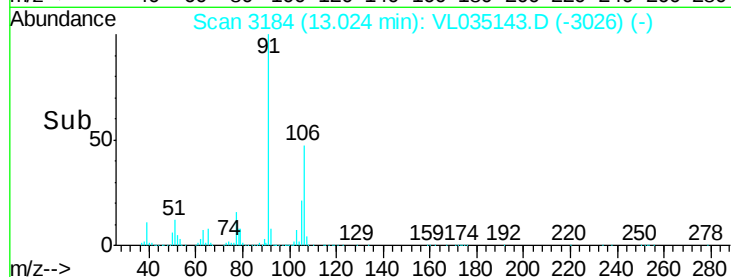
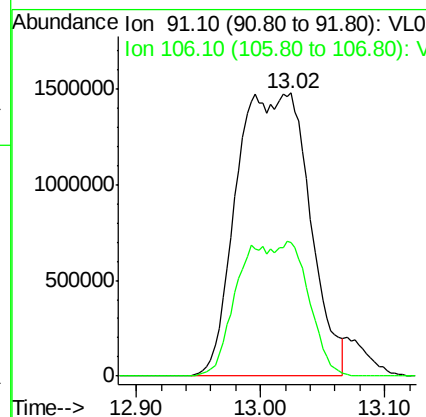
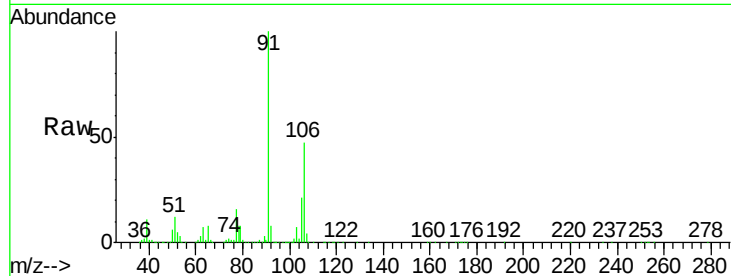
#59
m/p-Xylene
Concen: 21.137 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.01 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6009785
Ion Ratio Lower Upper
91 100
106 45.5 36.5 54.7

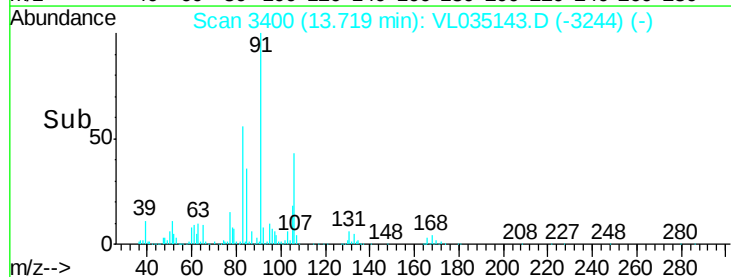
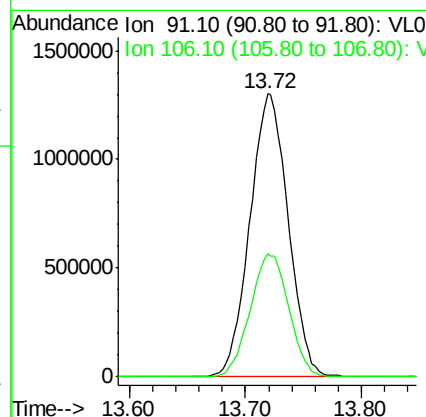
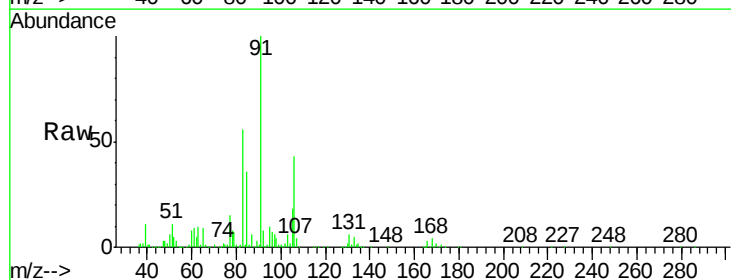
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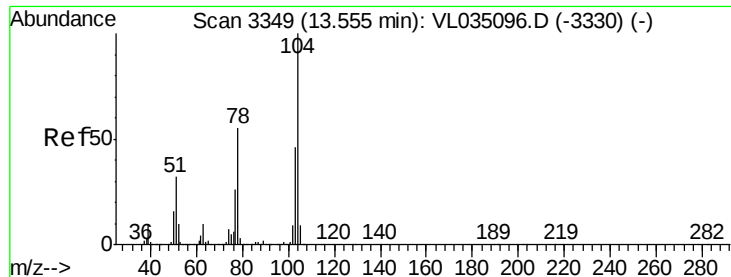
MMDadoda
7/9/2020 12:00:26 PM



#60
o-Xylene
Concen: 10.542 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 91 Resp: 2984094
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5





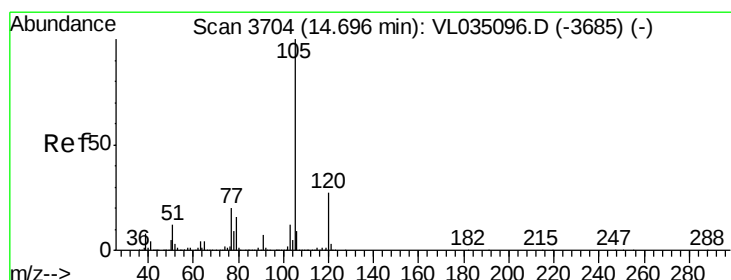
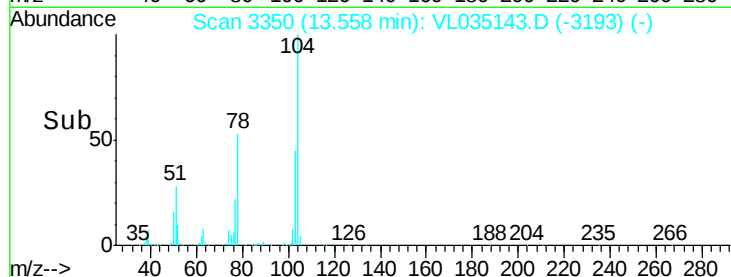
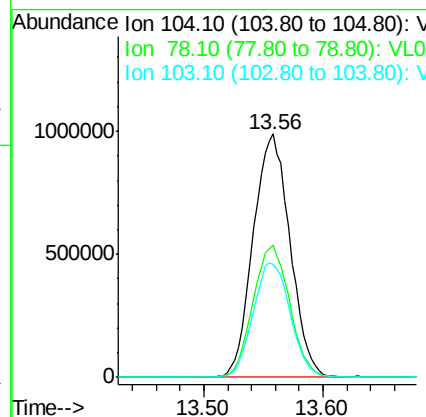
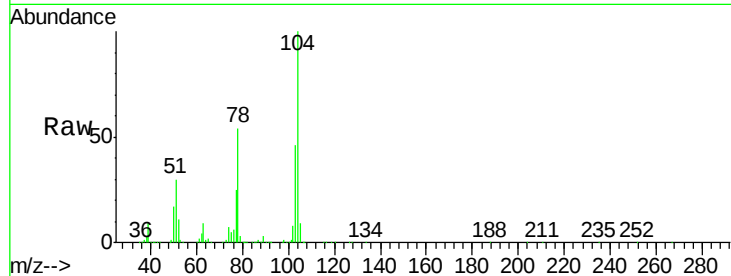
#61
Stvrene
Concen: 11.896 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	47.5	38.3	57.5

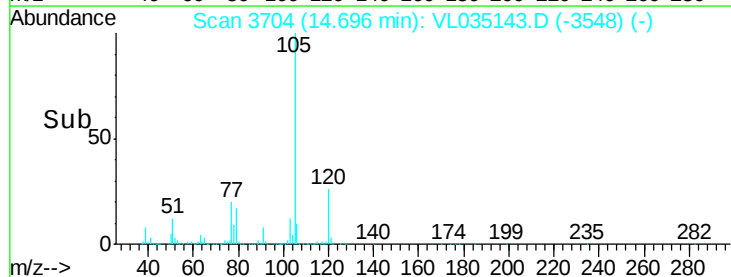
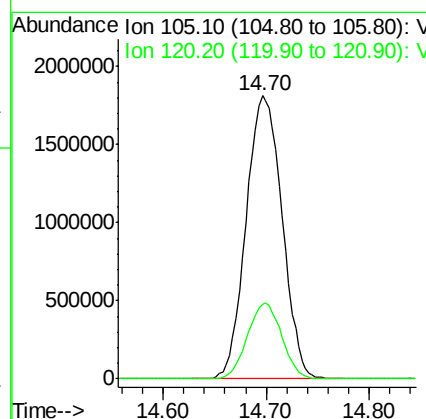
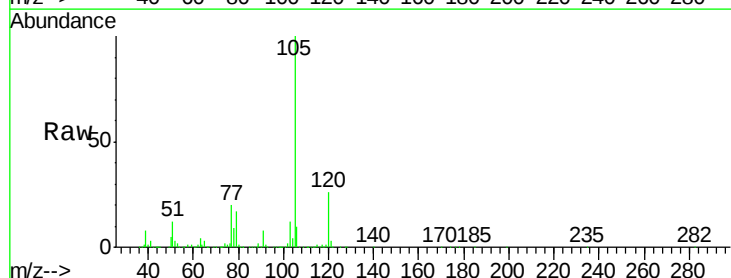
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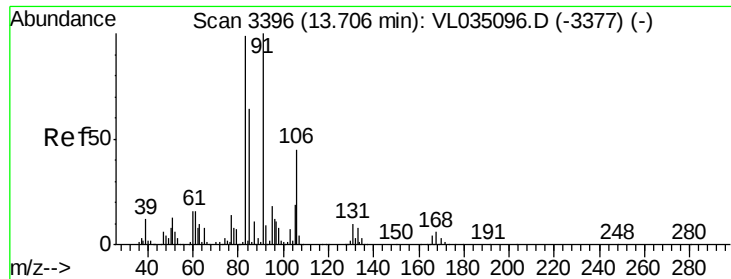
MMDadoda
7/9/2020 12:00:26 PM



#62
Isopropylbenzene
Concen: 10.397 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.8	31.2





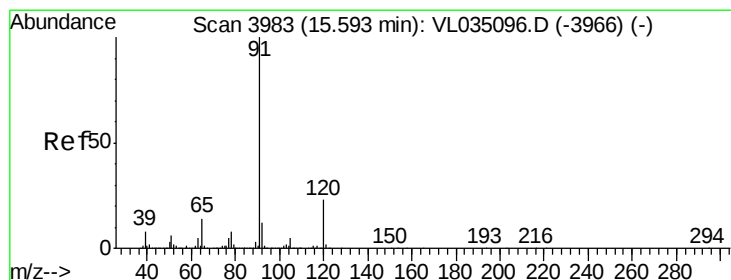
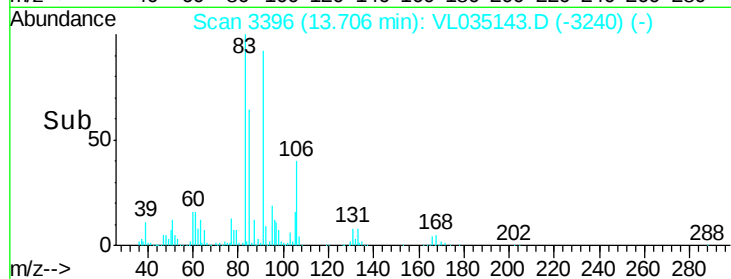
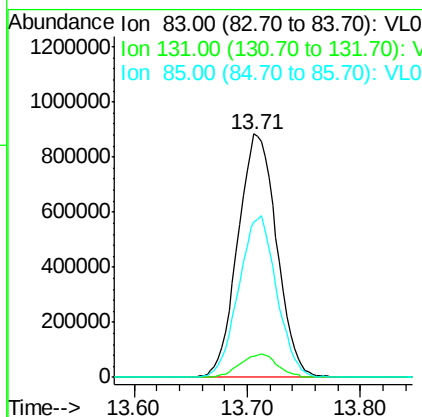
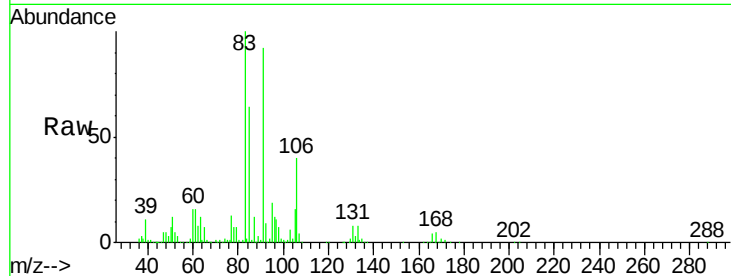
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.207 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 2110895
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.9 32.4 97.0

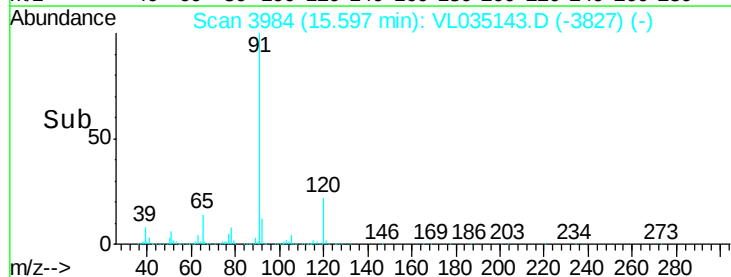
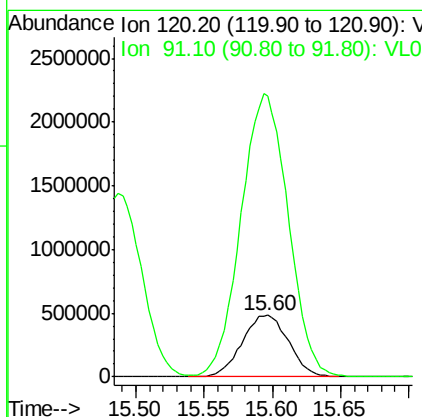
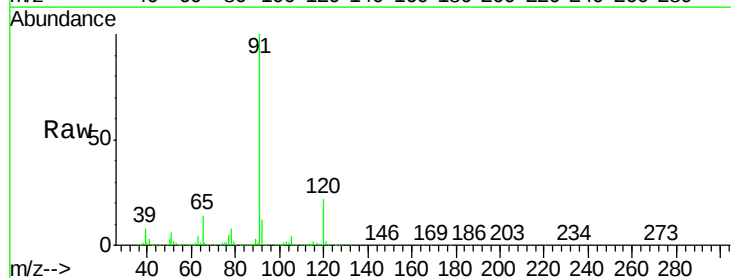
Manual Integrations
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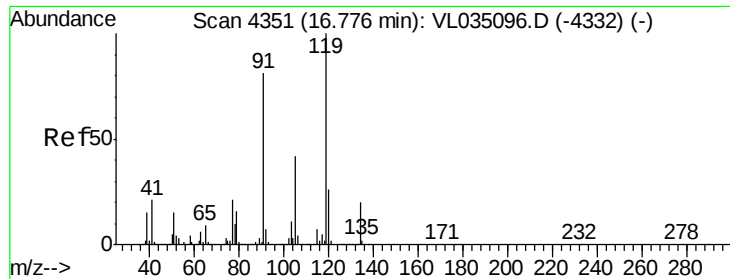
MMDadoda
 7/9/2020 12:00:26 PM



#64
 n-propylbenzene
 Concen: 10.634 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 120 Resp: 1146223
 Ion Ratio Lower Upper
 120 100
 91 465.1 367.9 551.9





#65

tert-Butylbenzene

Concen: 10.485 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3792499

Ion Ratio Lower Upper

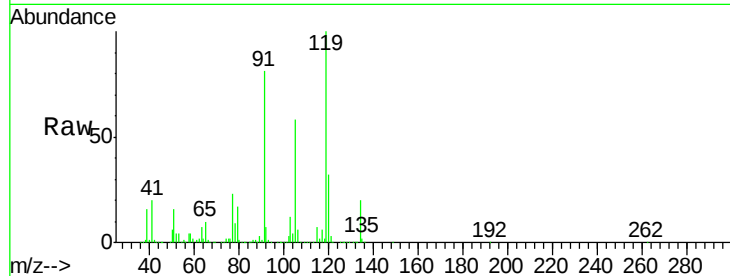
119 100

91 83.9 67.6 101.4

134 20.0 15.7 23.5

Manual Integrations
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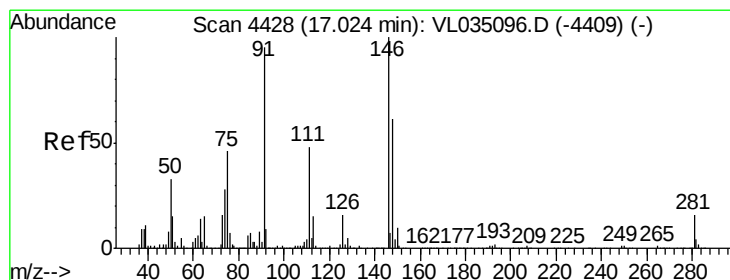
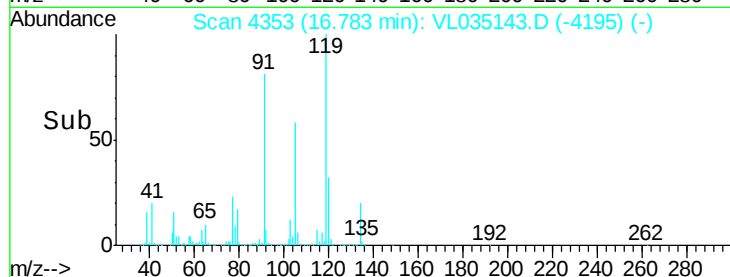
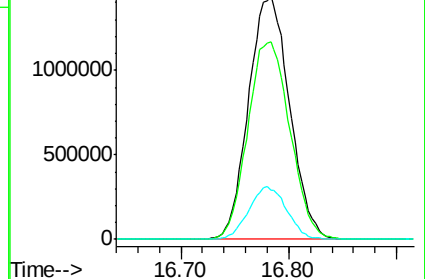
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.799 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

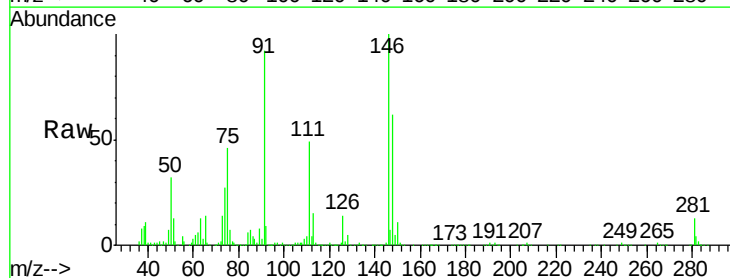
Tgt Ion: 91 Resp: 1541756

Ion Ratio Lower Upper

91 100

126 16.4 13.5 20.3

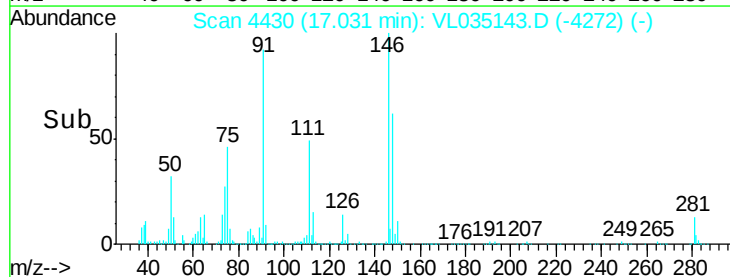
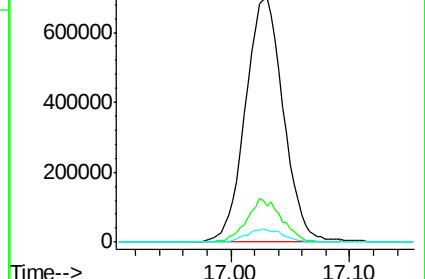
128 5.2 4.3 6.5

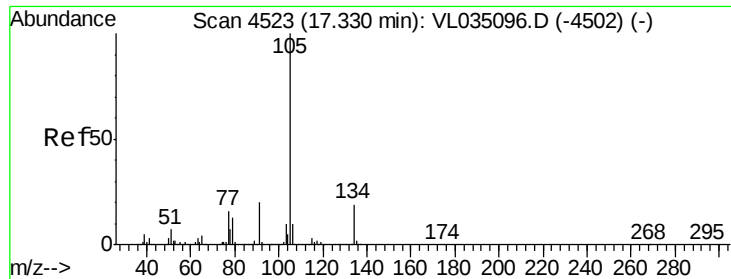


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





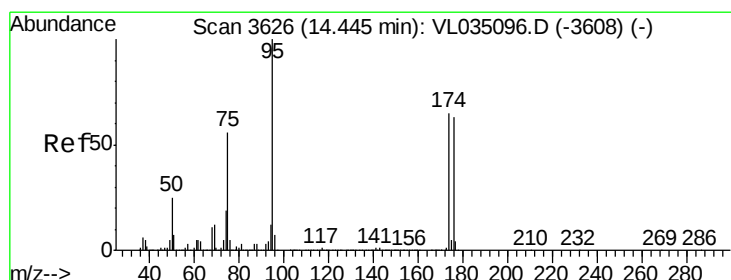
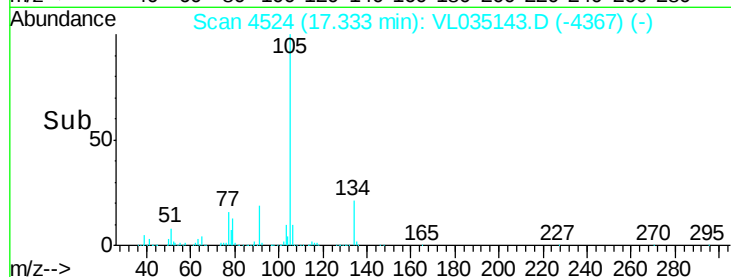
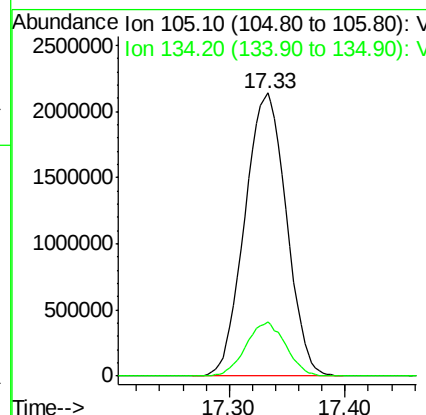
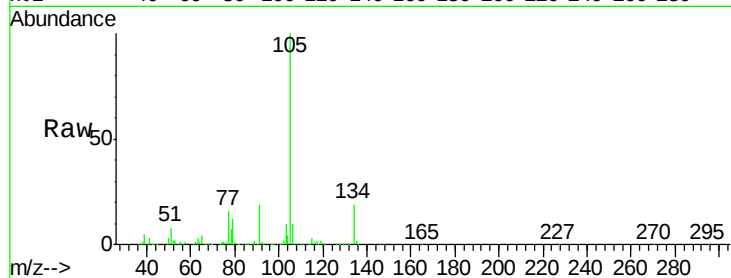
#67
 sec-Butylbenzene
 Concen: 10.290 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 5334421
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1

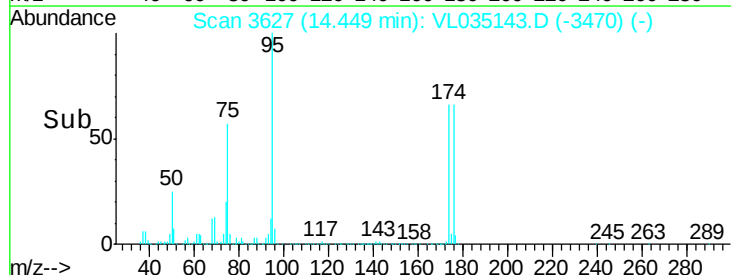
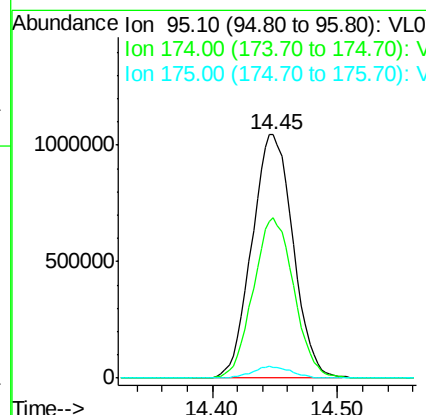
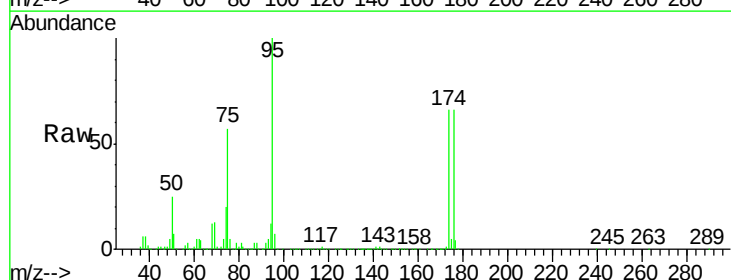
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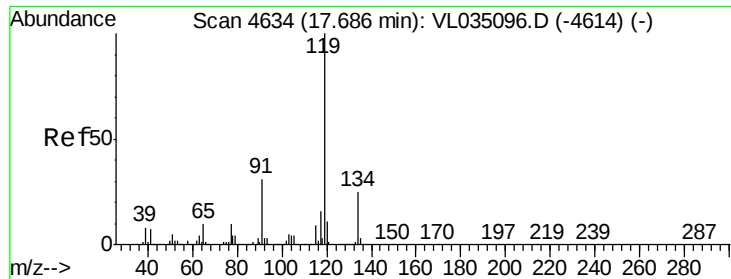
MMDadoda
 7/9/2020 12:00:26 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.061 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 95 Resp: 2386431
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.2 78.2
 175 4.6 4.0 6.0





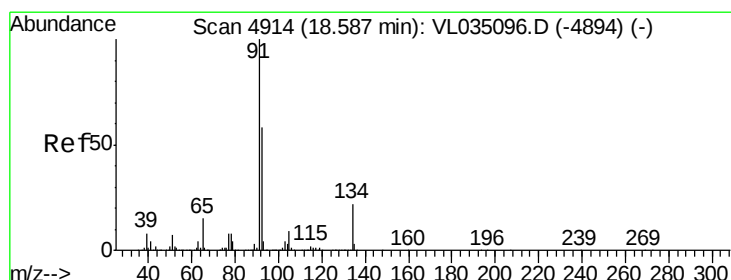
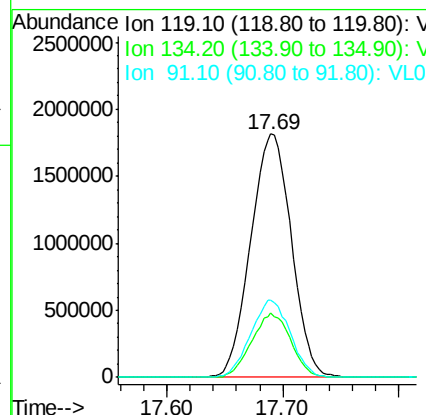
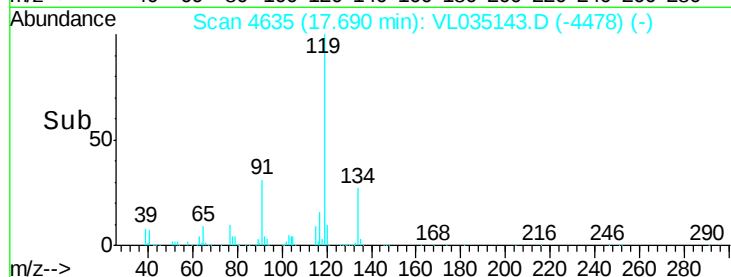
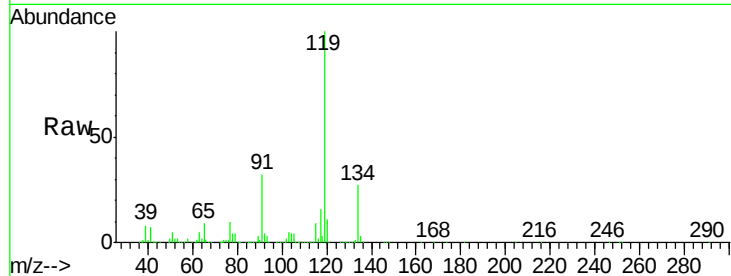
#69
p-Isopropyltoluene
Concen: 10.690 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	31.1	24.5	36.7

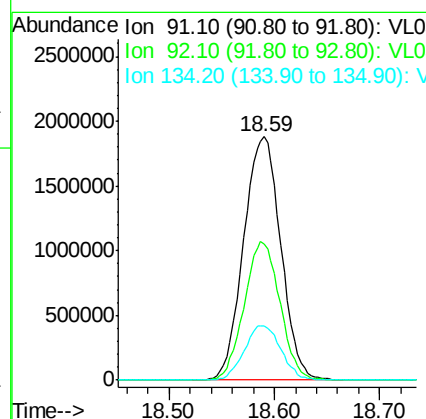
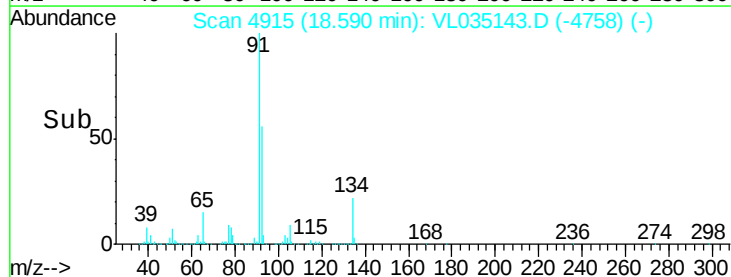
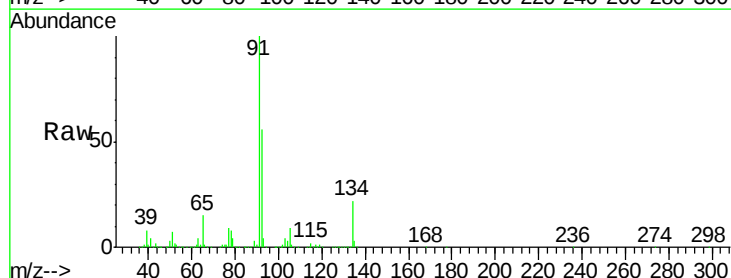
Manual Integrations
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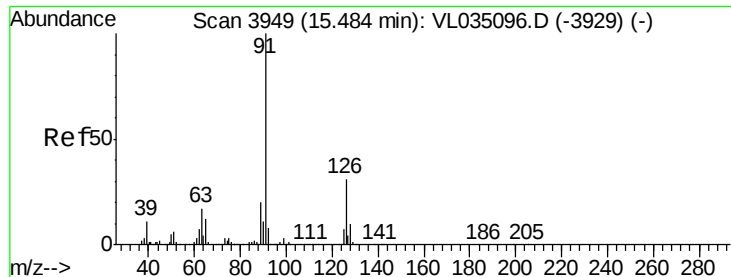
MMDadoda
7/9/2020 12:00:26 PM



#70
n-Butylbenzene
Concen: 10.325 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.4	66.6
134	22.2	18.0	27.0





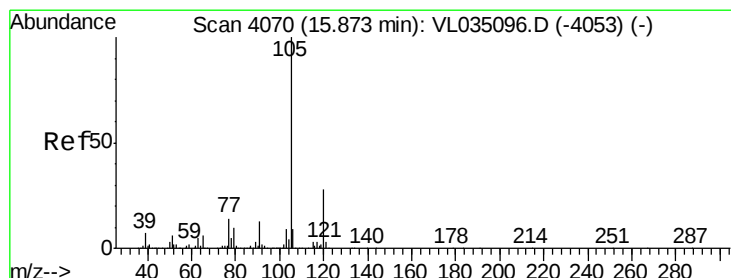
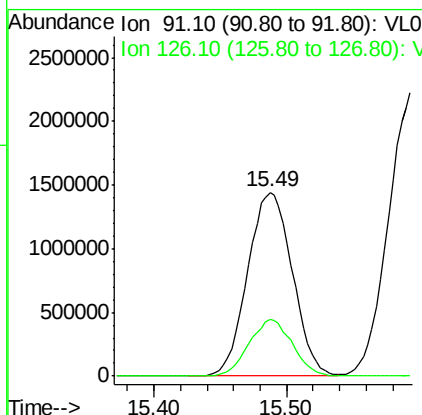
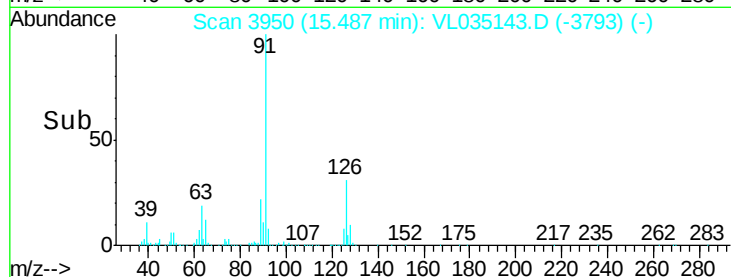
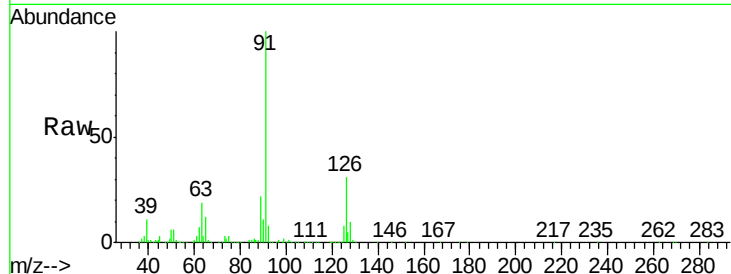
#71
 2-Chlorotoluene
 Concen: 10.595 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 3382888
 Ion Ratio Lower Upper
 91 100
 126 29.8 12.0 48.0

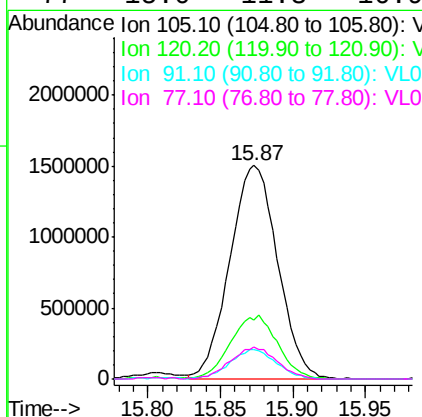
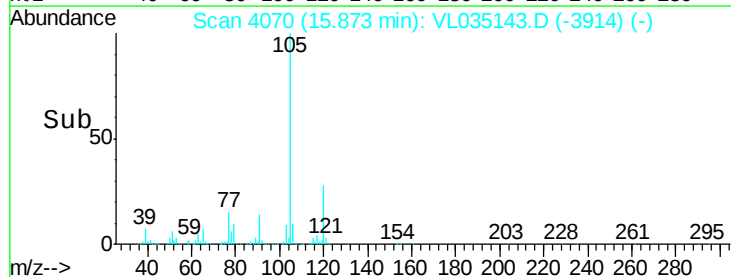
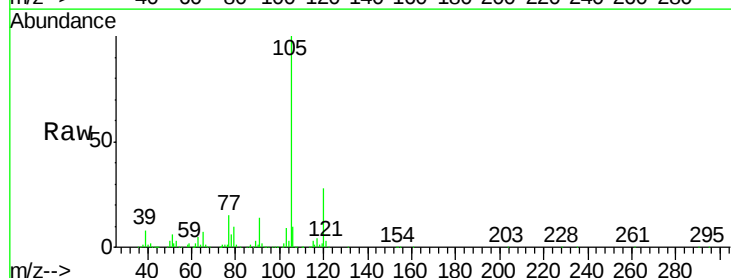
Manual Integrations
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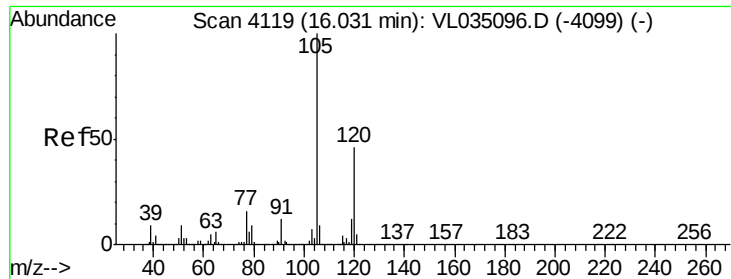
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 7/9/2020 12:00:26 PM



#72
 4-Ethyltoluene
 Concen: 10.918 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 105 Resp: 3437771
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.4 35.0
 91 13.9 10.6 16.0
 77 15.0 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 10.823 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3221533

Ion Ratio Lower Upper

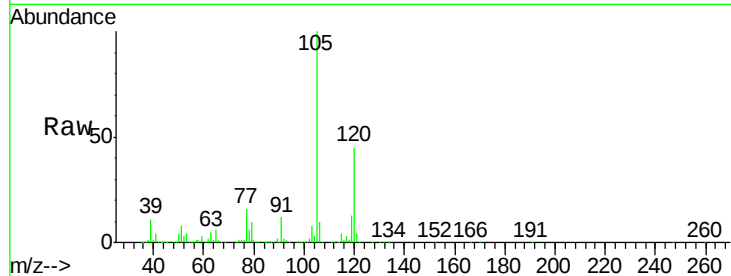
105 100

120 45.1 37.0 55.6

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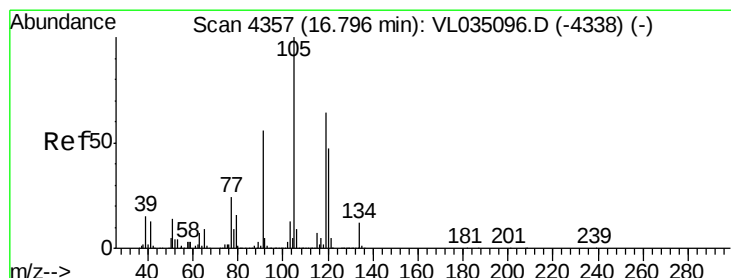
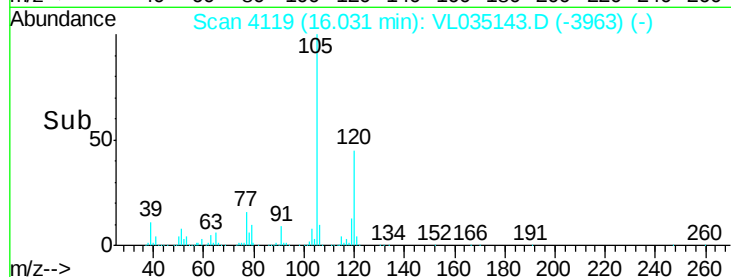
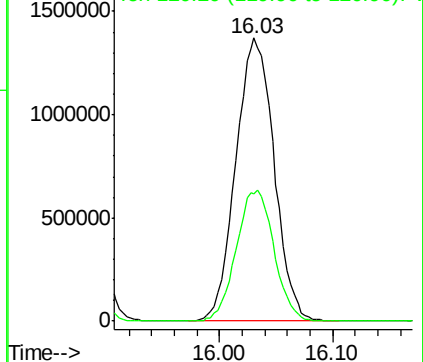
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.081 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion:105 Resp: 3349044

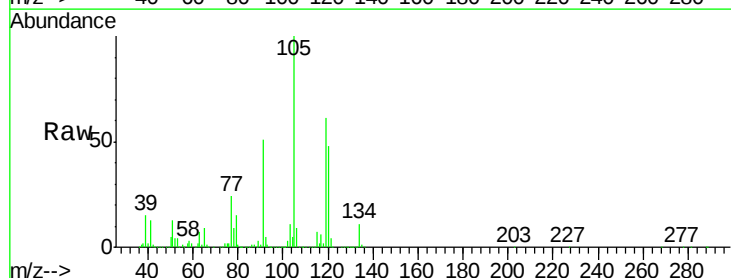
Ion Ratio Lower Upper

105 100

120 47.5 37.9 56.9

91 50.3 46.0 69.0

77 24.2 19.4 29.2

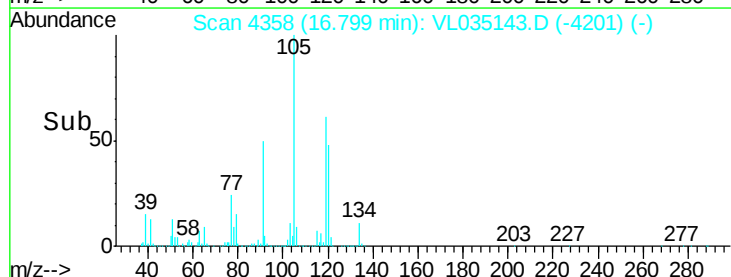
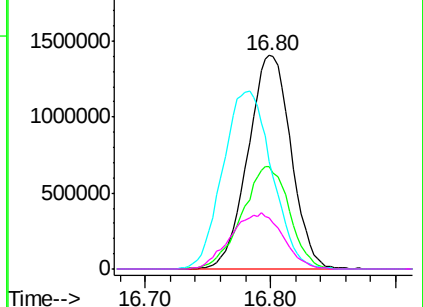


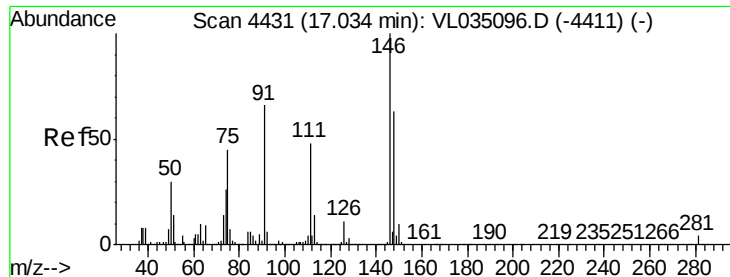
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





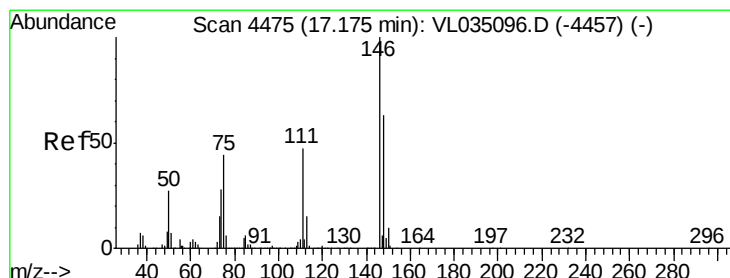
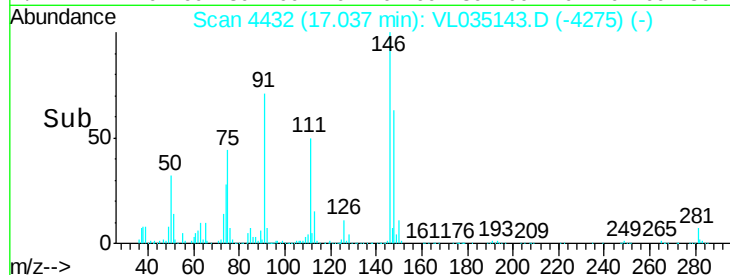
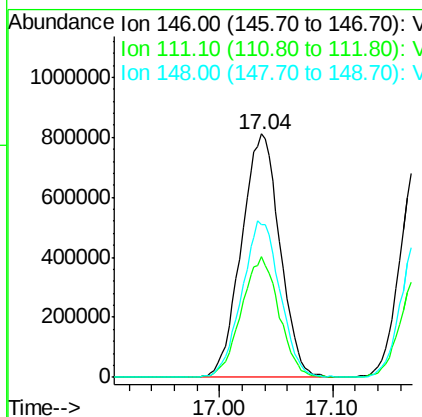
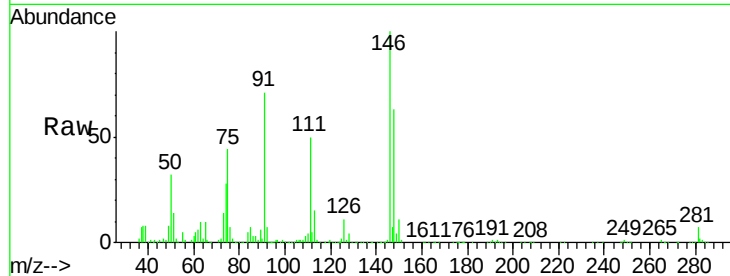
#75
 1,3-Dichlorobenzene
 Concen: 9.671 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion:146 Resp: 1917336
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.1 72.4
 148 63.7 32.3 96.8

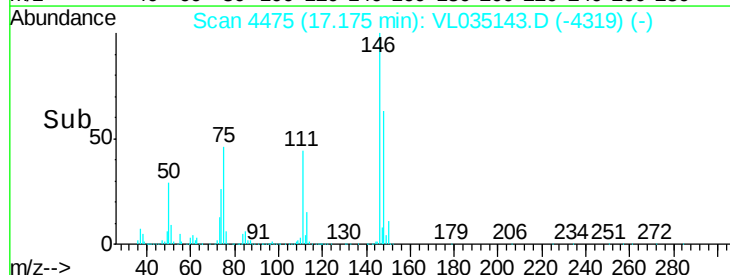
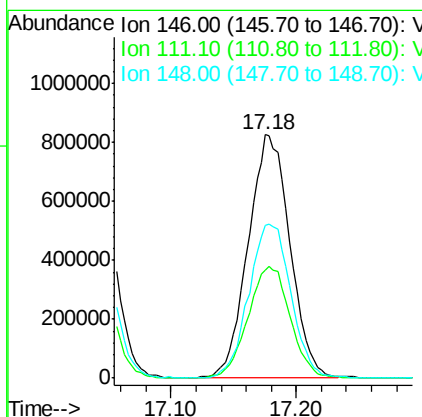
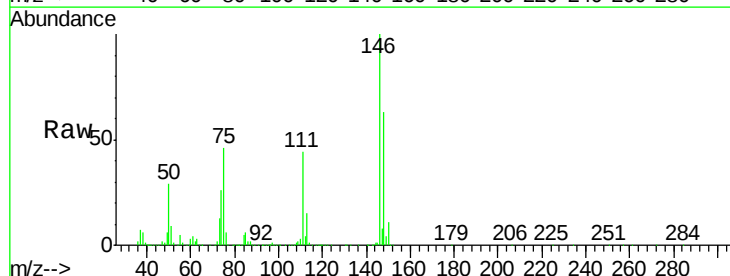
Manual Integrations
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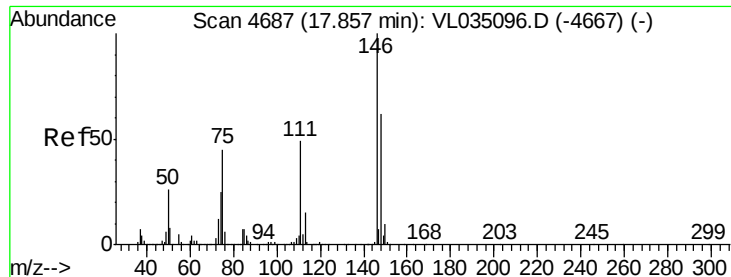
MMDadoda
 7/9/2020 12:00:26 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.042 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:146 Resp: 1904429
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.5 70.5
 148 64.3 32.0 96.2





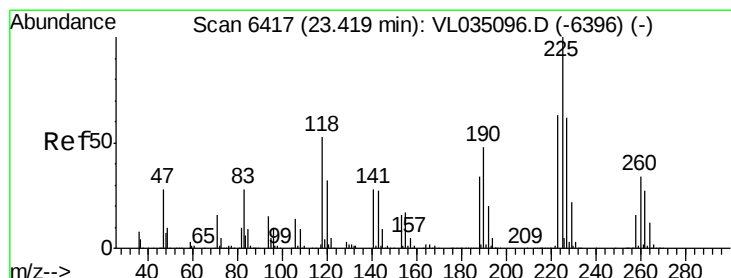
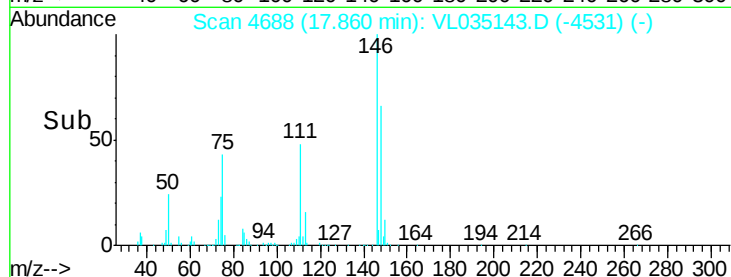
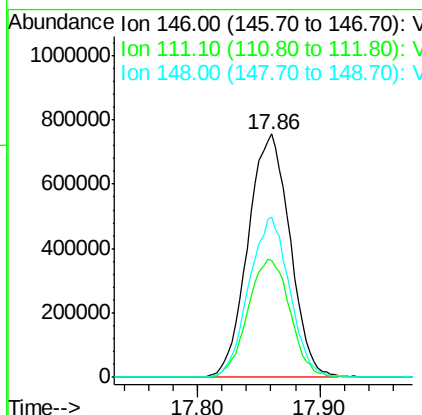
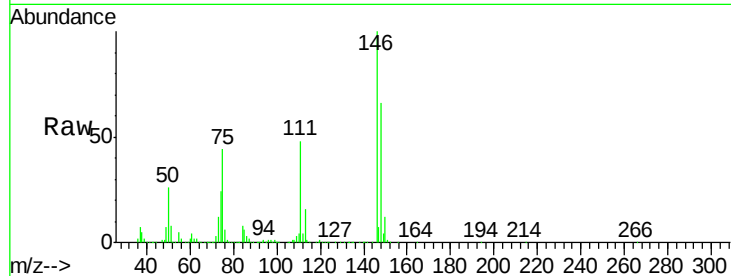
#77
 1,2-Dichlorobenzene
 Concen: 9.917 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1799089
 Ion Ratio Lower Upper
 146 100
 111 48.9 25.0 75.0
 148 63.9 32.3 96.8

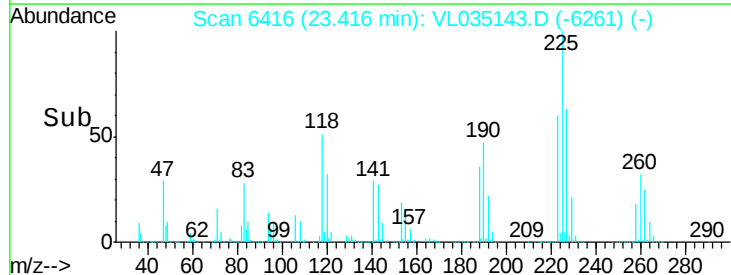
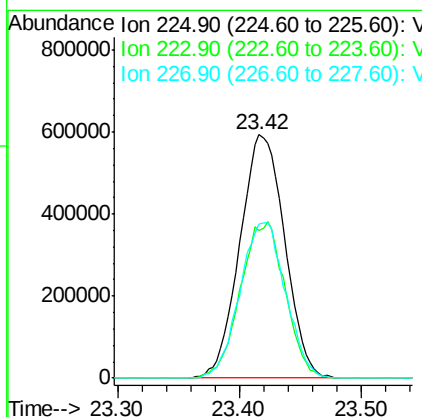
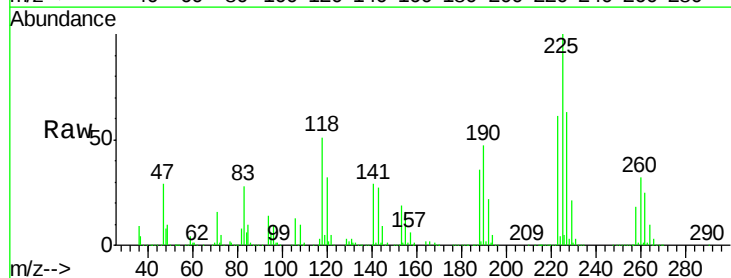
Manual Integrations
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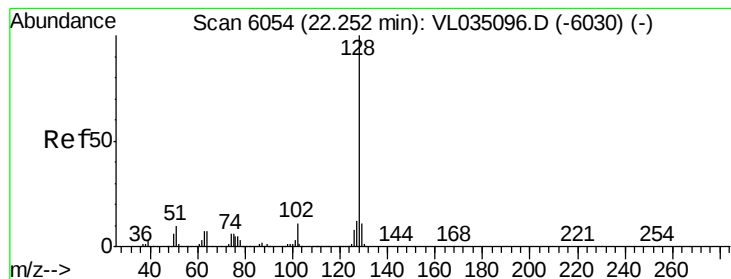
MMDadoda
 7/9/2020 12:00:26 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.255 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:225 Resp: 1509069
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.4 77.0
 227 65.0 51.8 77.8





#79

Naphthalene

Concen: 11.202 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

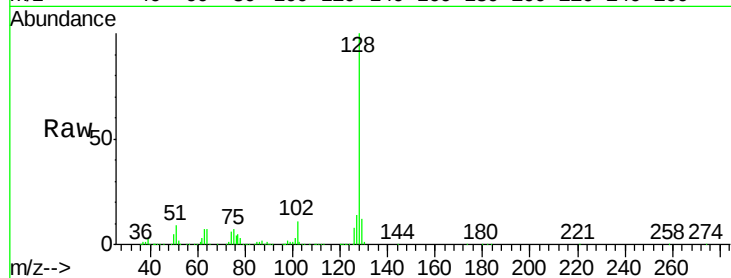
ClientSampleId :

VSTDCCC010

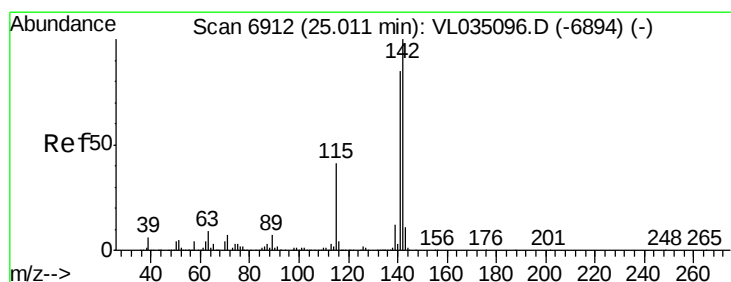
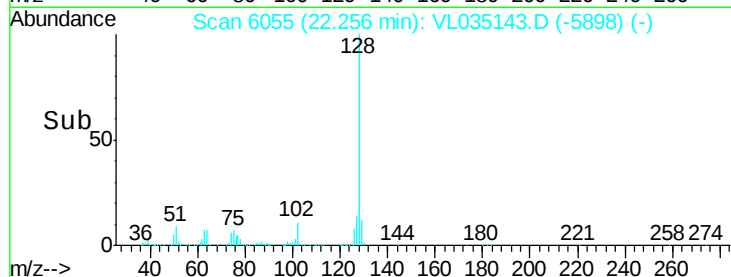
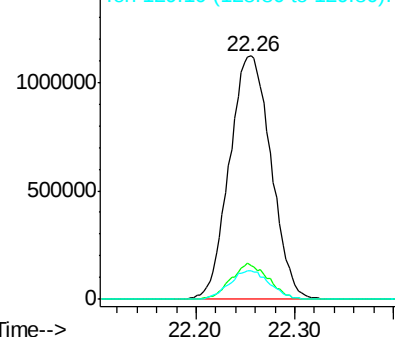
Tot Ion:	128	Resp:	3262654
Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.9	14.9
129	11.5	9.0	13.4

Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.282 ppbv

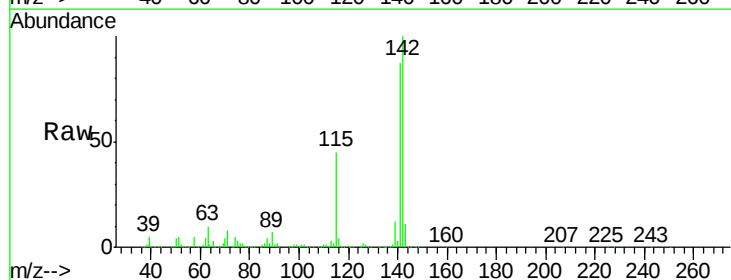
RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

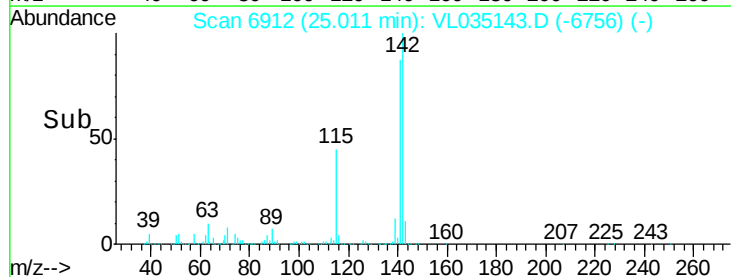
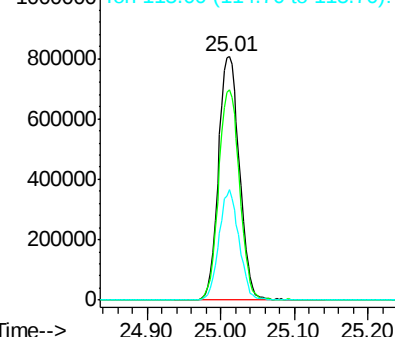
Lab File: VL035143.D

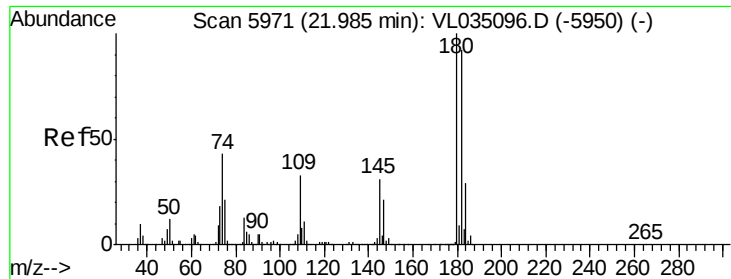
Acq: 6 Jul 2020 9:47

Tgt Ion:	142	Resp:	1590518
Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.5	101.3
115	43.2	33.8	50.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.469 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.9	116.9
184	31.4	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:00:26 PM

