

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035121.D
 Acq On : 30 Jun 2020 9:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:00:24 PM

Quant Time: Jul 01 03:09:44 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	1319016	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3097176	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3125372m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2521529	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1360498	7.638 ppbv	97
3) Chlorodifluoromethane	2.94	51	1337910	9.182 ppbv	100
4) Chloromethane	3.10	50	775548	9.495 ppbv	96
5) Vinyl Chloride	3.21	62	762590	9.818 ppbv	99
6) Bromomethane	3.44	94	466184	9.665 ppbv	92
7) Chloroethane	3.52	64	287984	9.832 ppbv	93
8) Dichlorotetrafluoroethane	3.14	85	1768349	9.260 ppbv	100
9) Propene	2.96	41	561149	9.726 ppbv	99
10) Heptane	8.13	43	1524215	10.193 ppbv	99
11) Trichlorofluoromethane	3.92	101	1845095	9.697 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1285619	9.771 ppbv	100
13) Ethanol	3.57	45	155160	7.118 ppbv	97
14) Bromoethene	3.70	108	576598	10.167 ppbv	99
15) Acetone	3.82	43	1412572	8.858 ppbv	100
16) 1,3-Butadiene	3.29	39	683277	9.769 ppbv	98
17) tert-Butyl alcohol	4.26	59	1575963	11.151 ppbv	100
18) 1,1-Dichloroethene	4.26	96	598845	10.092 ppbv	98
19) Isopropyl Alcohol	3.93	45	1106350	10.684 ppbv	99
20) Methylene Chloride	4.32	84	534921	8.288 ppbv	94
21) Allyl Chloride	4.38	41	985192	10.395 ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	593913	10.697 ppbv	93
23) Vinyl Acetate	5.06	43	2026440	10.469 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1583116	9.701 ppbv	98
25) Ethyl Acetate	5.67	43	2688319	9.341 ppbv	99
26) Hexane	5.68	57	1201413	9.259 ppbv	99
27) Carbon Disulfide	4.53	76	1581298	11.776 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1909148	10.472 ppbv	100
29) Chloroform	5.74	83	1898165	9.348 ppbv	98
30) Cyclohexane	7.14	84	1004454	10.786 ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1227586	10.263 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1876496	9.964 ppbv	100
34) 2-Butanone	5.23	43	1728226	9.717 ppbv	99
35) Carbon Tetrachloride	7.02	117	1937719	10.432 ppbv	96
36) Benzene	6.90	78	2391103	9.970 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1474544	9.728 ppbv	100
38) Trichloroethene	7.85	130	958666	10.291 ppbv	98
39) 1,2-Dichloropropane	7.63	63	945764	10.083 ppbv	98
40) 1,4-Dioxane	7.84	88	346942	9.377 ppbv	# 99
41) Tetrahydrofuran	6.04	42	946460	10.418 ppbv	99
42) Bromodichloromethane	7.81	83	2054561	10.466 ppbv	95
43) Methyl Methacrylate	8.02	69	1098078	10.817 ppbv	100

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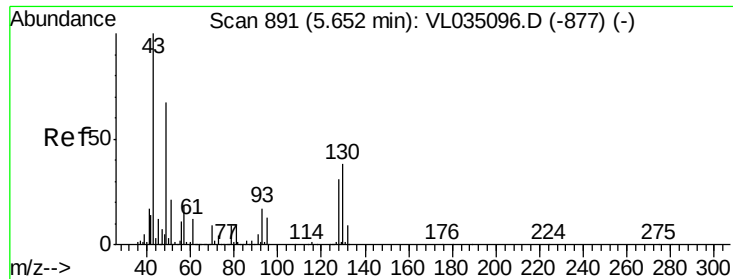
Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:00:24 PM

Quant Time: Jul 01 03:09:44 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)
44) 2,2,4-Trimethylpentane	7.88	57	4077170	9.740	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1257745	12.731	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1466483	11.949	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	998804	9.756	ppbv	99
48) Dibromochloromethane	10.33	129	1709594	11.202	ppbv	99
49) Bromoform	13.08	173	1487521	11.473	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2561914	10.138	ppbv	99
51) 2-Hexanone	10.15	43	2100641	10.614	ppbv #	100
52) Tetrachloroethene	11.26	164	874082	10.343	ppbv	96
53) Toluene	9.83	91	2789974	10.906	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1540019	10.160	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1263671	9.880	ppbv #	57
57) Chlorobenzene	12.18	112	2122024	9.227	ppbv	99
58) Ethyl Benzene	12.74	91	3734552	10.635	ppbv	98
59) m/p-Xylene	13.03	91	6137103m	19.720	ppbv	
60) o-Xylene	13.73	91	3046972	9.834	ppbv	100
61) Styrene	13.56	104	2195959	11.264	ppbv	100
62) Isopropylbenzene	14.71	105	4465057	9.658	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2121390	8.454	ppbv	99
64) n-propylbenzene	15.61	120	1184674	10.041	ppbv	99
65) tert-Butylbenzene	16.79	119	3890929	9.828	ppbv	100
66) Benzyl Chloride	17.03	91	1624747	13.285	ppbv	100
67) sec-Butylbenzene	17.34	105	5440765	9.588	ppbv	100
69) p-Isopropyltoluene	17.70	119	4516287	9.978	ppbv	100
70) n-Butylbenzene	18.60	91	4682794	9.605	ppbv	99
71) 2-Chlorotoluene	15.50	91	3448219	9.867	ppbv	100
72) 4-Ethyltoluene	15.88	105	3566960	10.349	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3294642	10.112	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	3396339	9.340	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1926994	8.880	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1951587	9.401	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	1835376m	9.243	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	1558864	8.734	ppbv	99
79) Naphthalene	22.27	128	3304152	10.364	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1671717	13.714	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1770790	9.629	ppbv	99

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



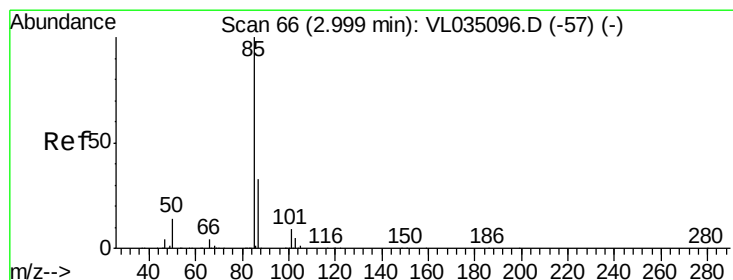
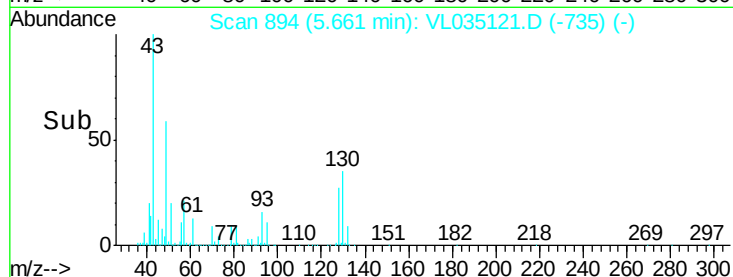
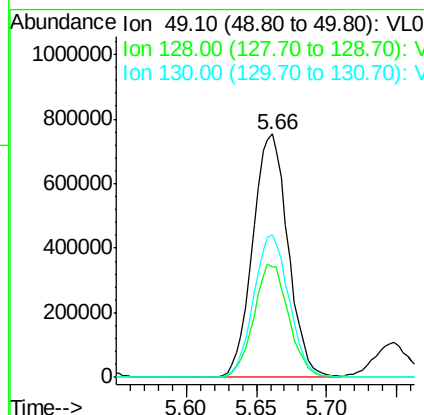
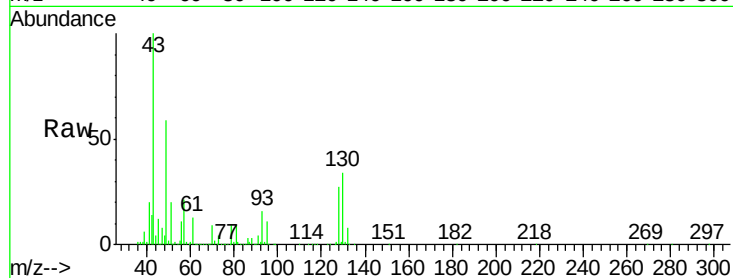
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 49 Resp: 1319016
Ion Ratio Lower Upper
49 100
128 46.2 22.9 68.5
130 58.9 29.0 87.0

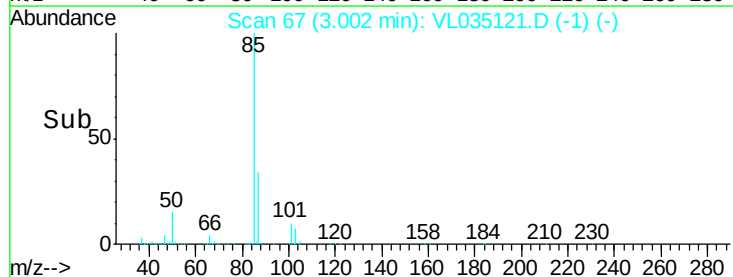
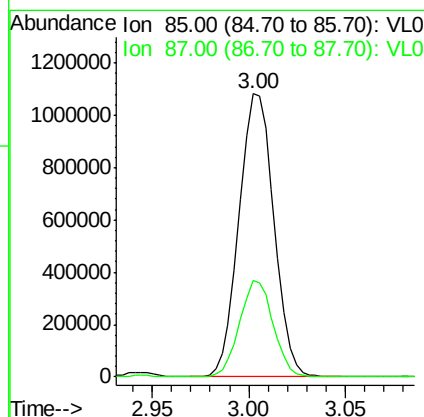
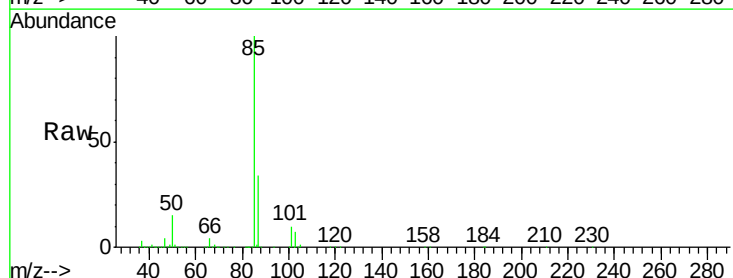
Manual Integrations
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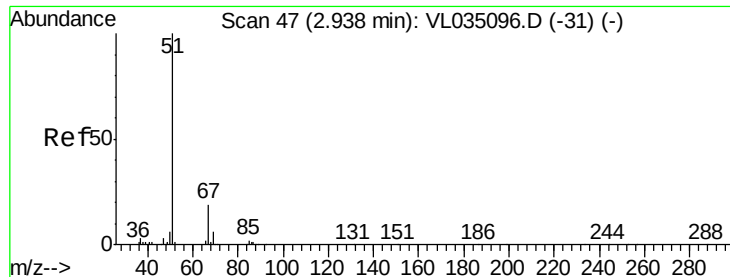
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#2
Dichlorodifluoromethane
Concen: 7.638 ppbv
RT: 3.00 min Scan# 67
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 85 Resp: 1360498
Ion Ratio Lower Upper
85 100
87 34.1 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.182 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tot Ion: 51 Resp: 1337910

Ion Ratio Lower Upper

51 100

67 19.1 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

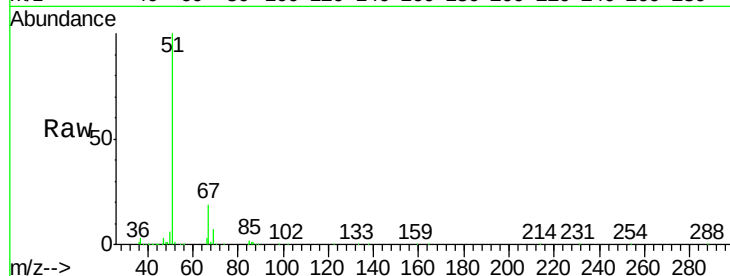
VSTDCCC010

Manual Integrations

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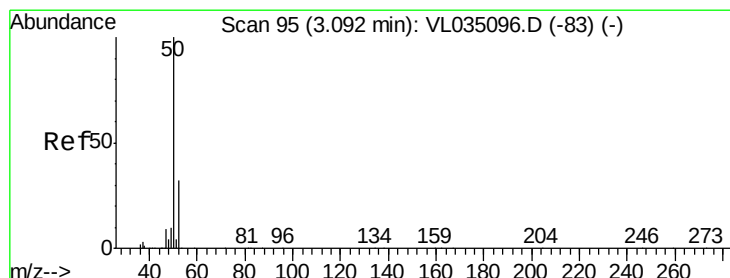
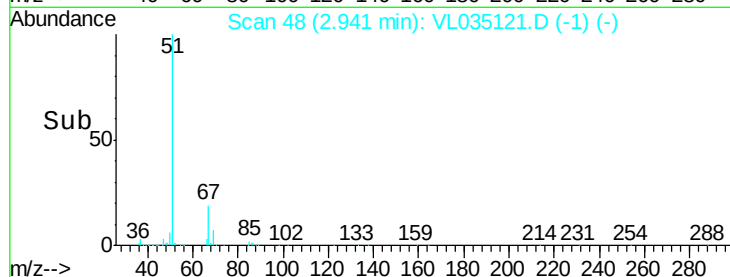
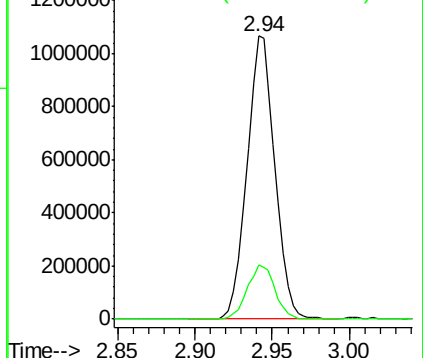
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.495 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.01 min

Lab File: VL035121.D

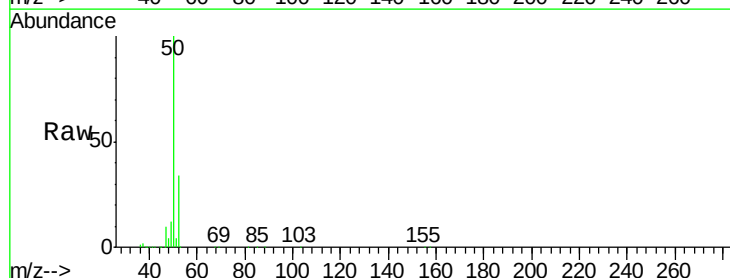
Acq: 30 Jun 2020 9:36

Tgt Ion: 50 Resp: 775548

Ion Ratio Lower Upper

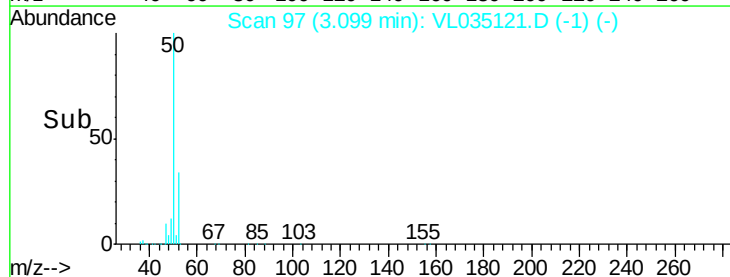
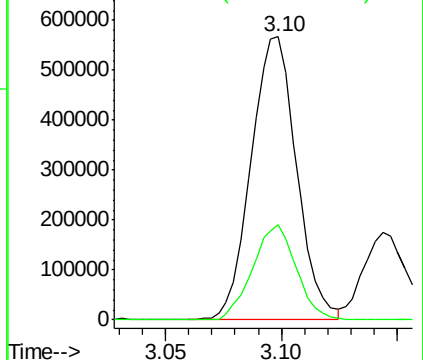
50 100

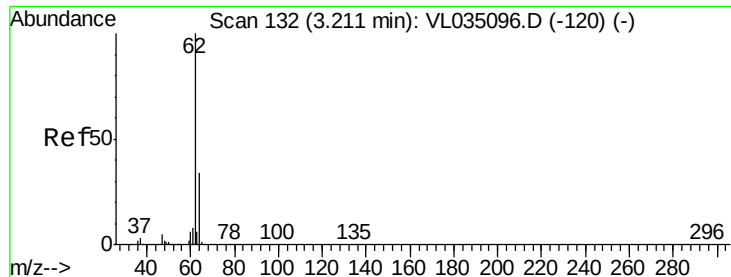
52 33.7 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.818 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 762590

Ion Ratio Lower Upper

62 100

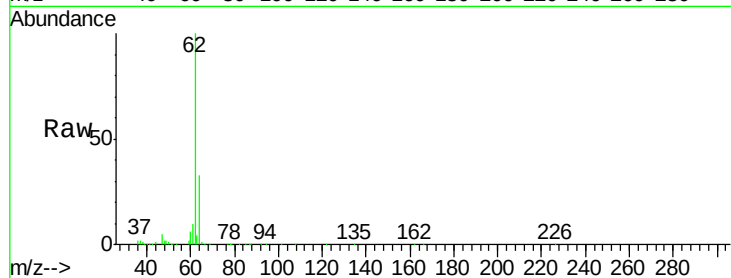
64 32.9 27.0 40.4

Manual Integrations

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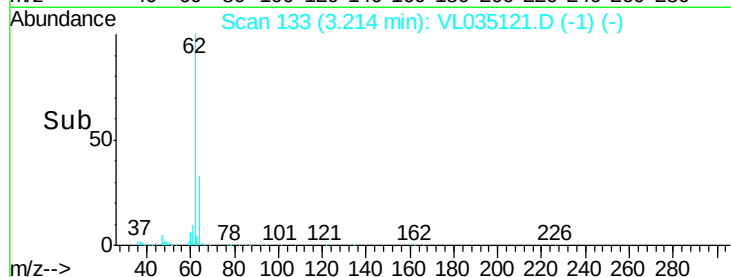
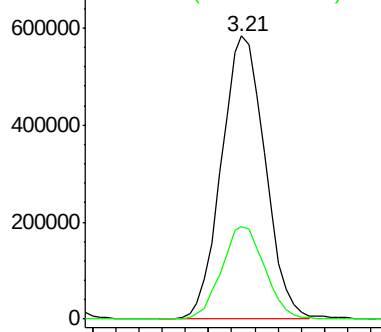
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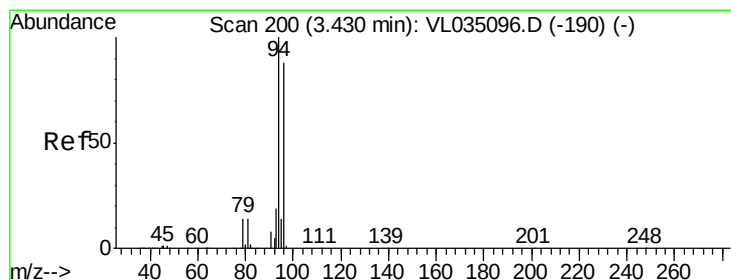


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 9.665 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.01 min

Lab File: VL035121.D

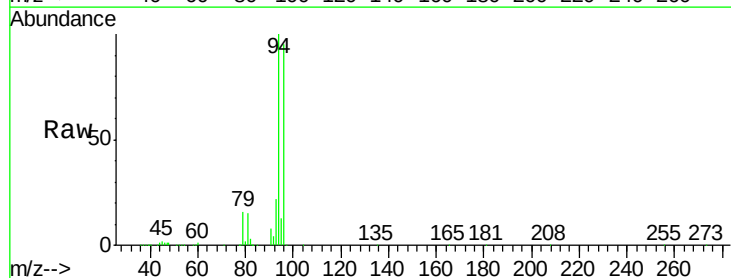
Acq: 30 Jun 2020 9:36

Tgt Ion: 94 Resp: 466184

Ion Ratio Lower Upper

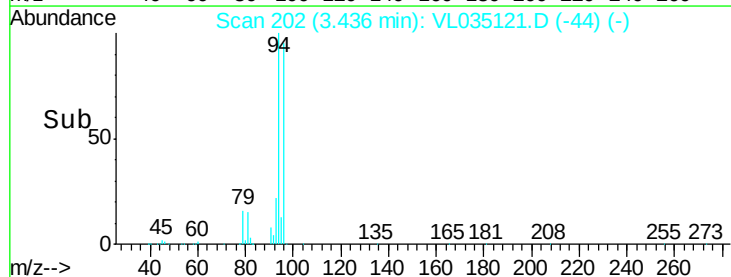
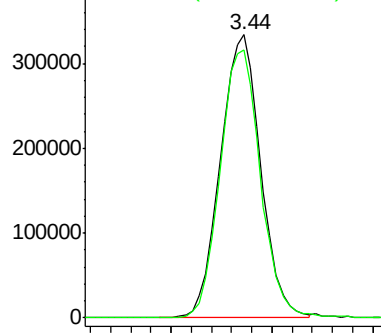
94 100

96 94.9 70.2 105.2

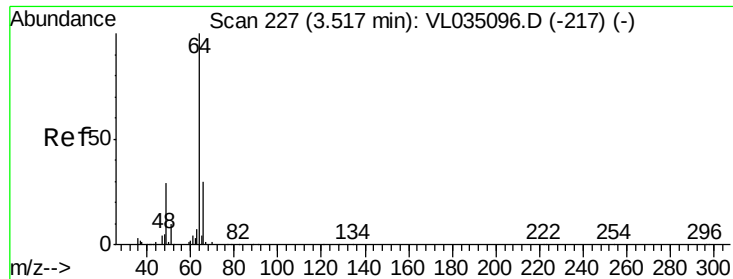


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->



#7

Chloroethane

Concen: 9.832 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 287984

Ion Ratio Lower Upper

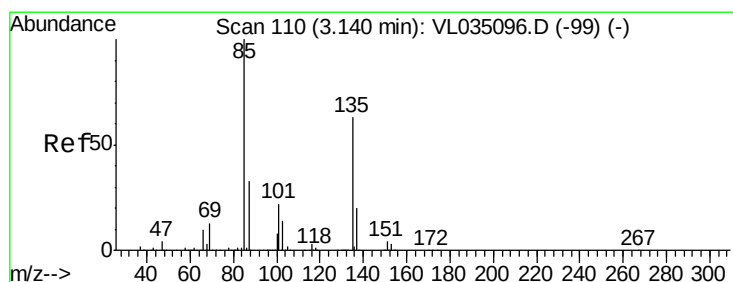
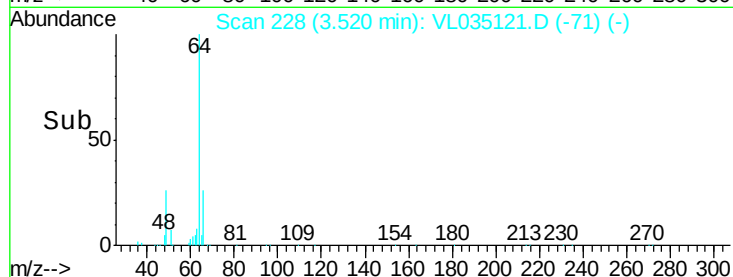
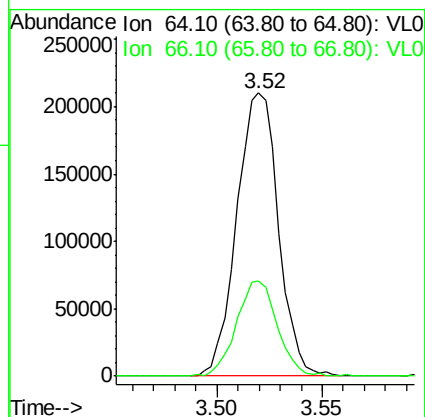
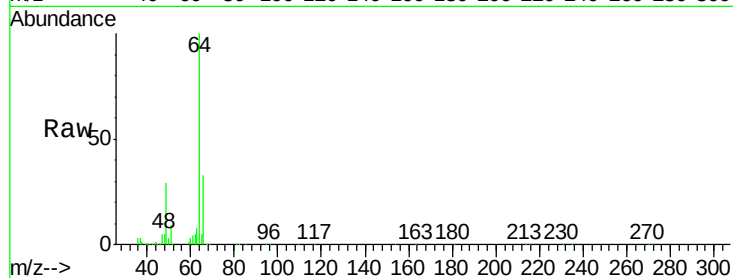
64 100

66 33.9 24.2 36.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.260 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035121.D

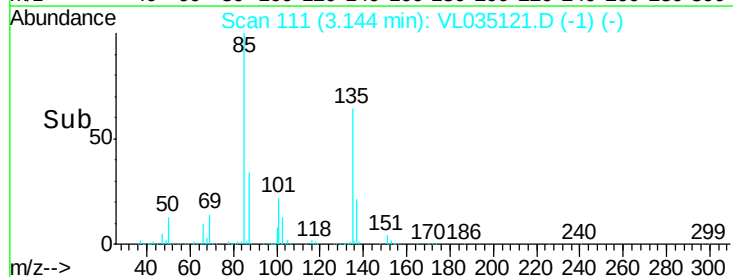
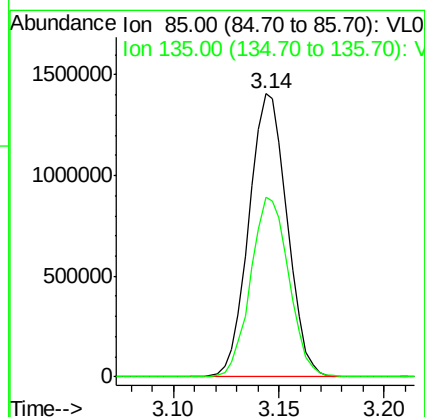
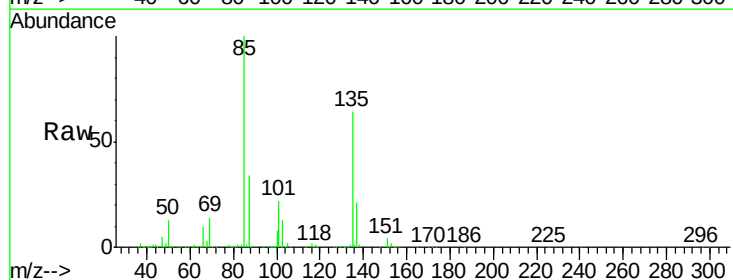
Acq: 30 Jun 2020 9:36

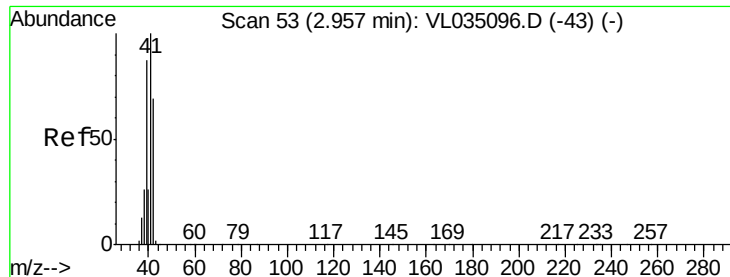
Tgt Ion: 85 Resp: 1768349

Ion Ratio Lower Upper

85 100

135 63.9 51.0 76.6





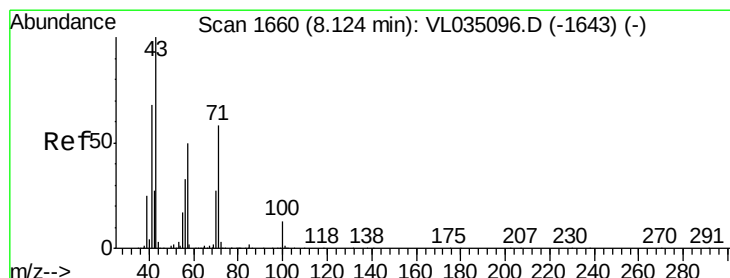
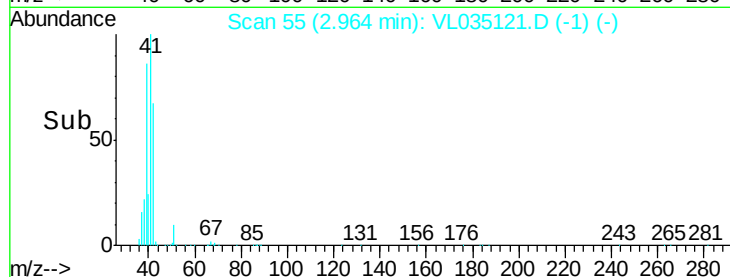
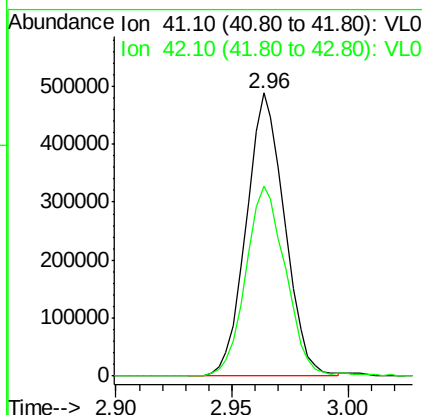
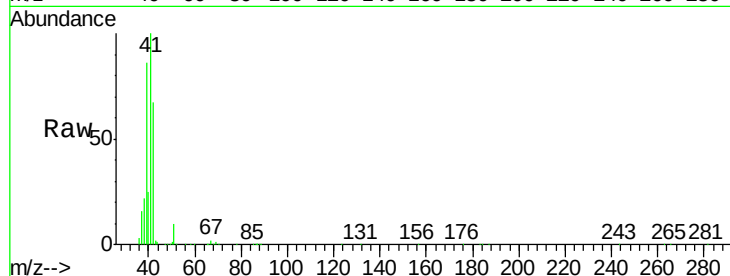
#9
 Propene
 Concen: 9.726 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 561149
 Ion Ratio Lower Upper
 41 100
 42 70.4 55.8 83.6

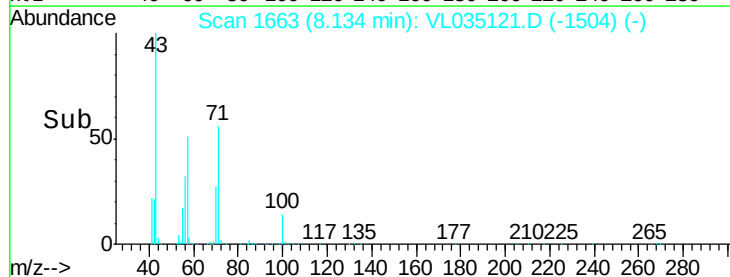
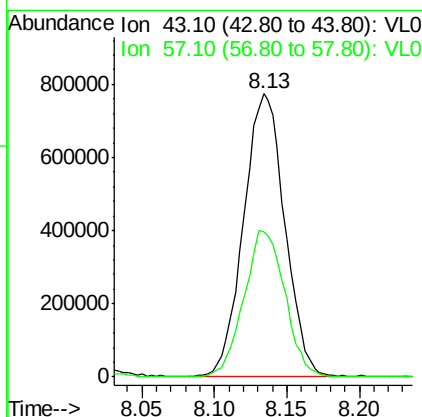
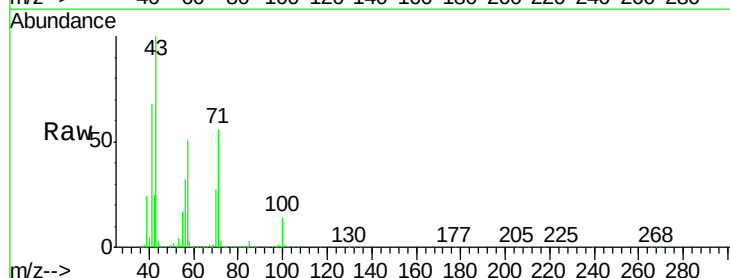
Manual Integrations
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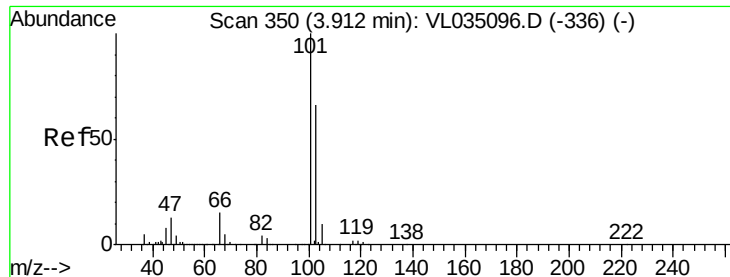
MMDadoda
 7/2/2020 5:00:24 PM



#10
 Heptane
 Concen: 10.193 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion: 43 Resp: 1524215
 Ion Ratio Lower Upper
 43 100
 57 51.8 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.697 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 1845095

Ion Ratio Lower Upper

101 100

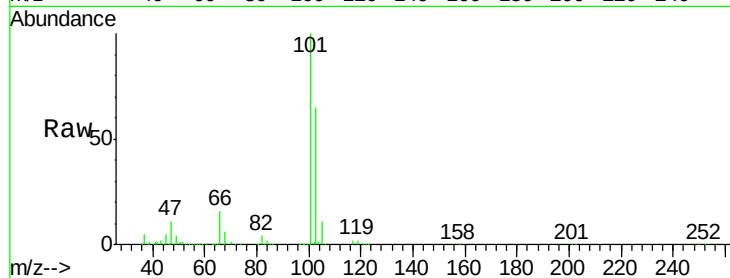
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Manual Integrations

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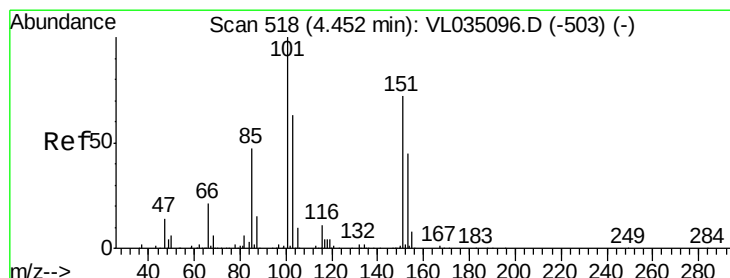
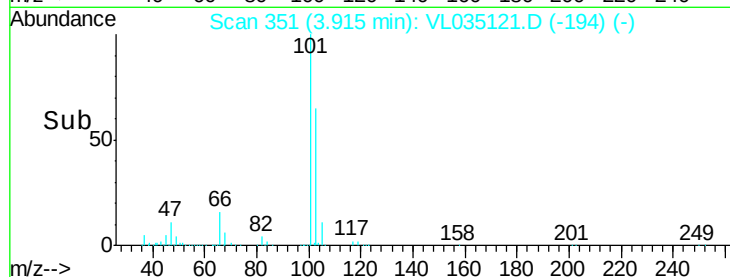
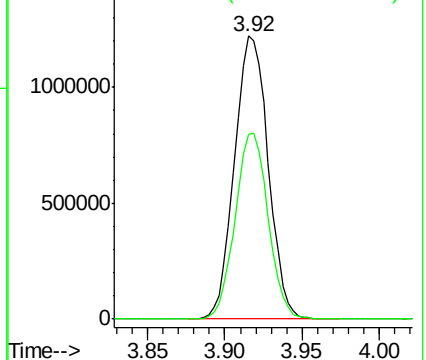
MMDadoda

7/2/2020 5:00:24 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: 9.771 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.01 min

Lab File: VL035121.D

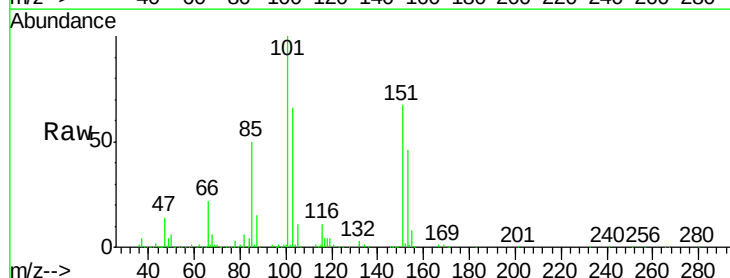
Acq: 30 Jun 2020 9:36

Tgt Ion:101 Resp: 1285619

Ion Ratio Lower Upper

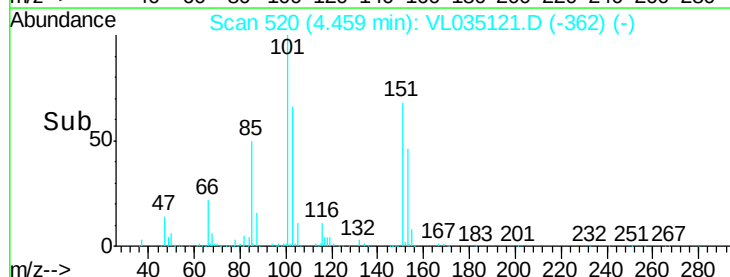
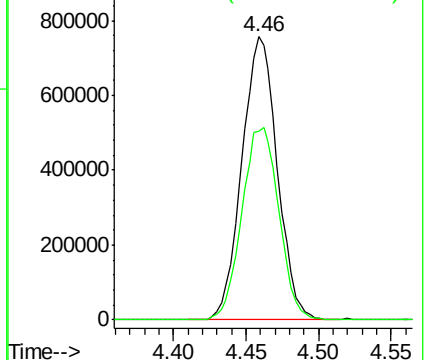
101 100

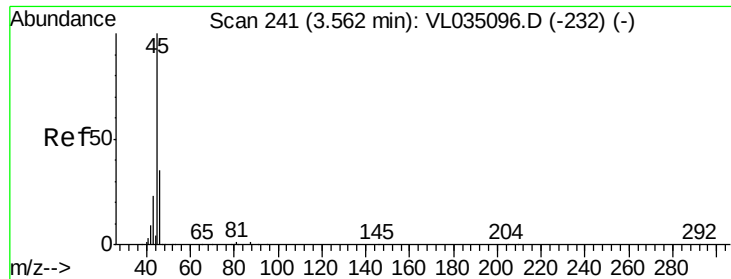
151 70.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





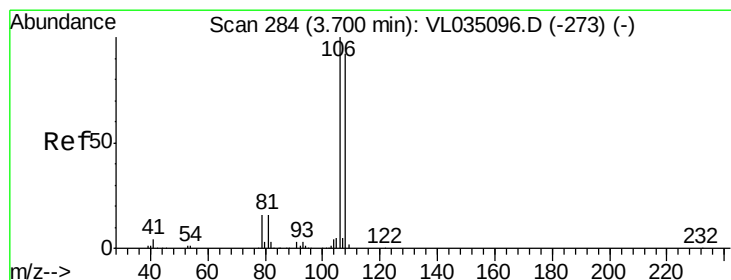
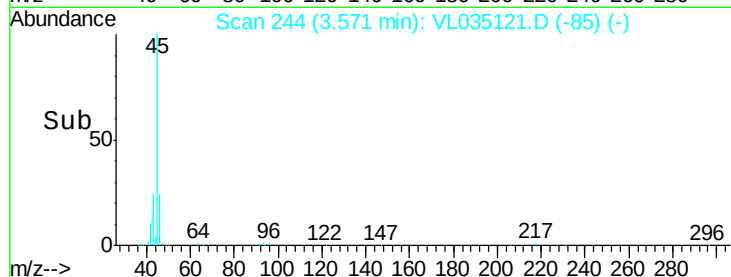
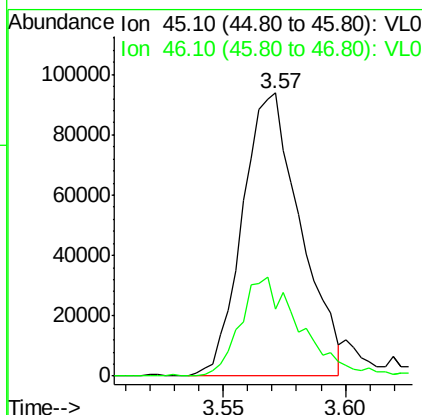
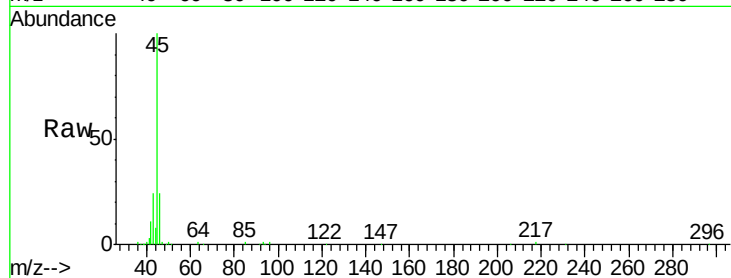
#13
Ethanol
Concen: 7.118 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	100	37.3	Resp	Lower	Upper
155160								
							14.2	57.0

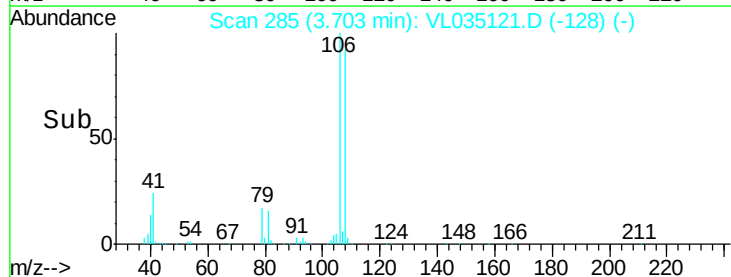
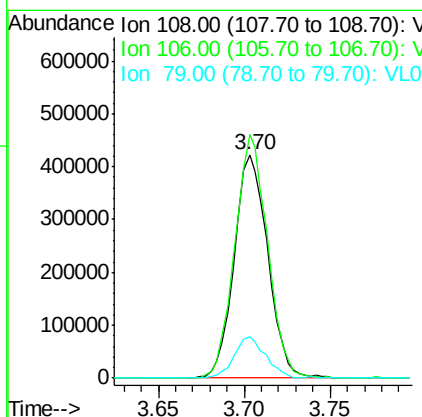
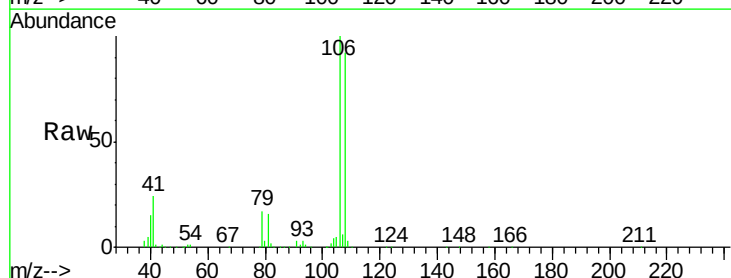
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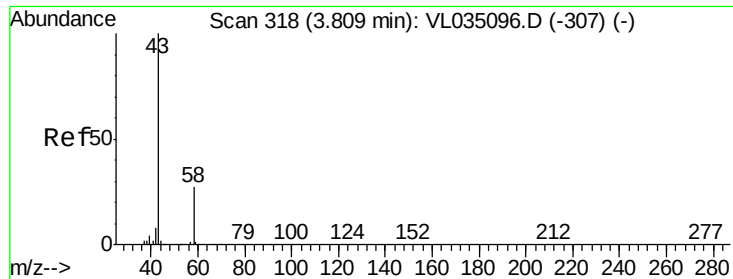
MMDadoda
7/2/2020 5:00:24 PM



#14
Bromoethene
Concen: 10.167 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	108	106	79	Ratio	100	107.0	17.6	Resp	Lower	Upper
576598										
									84.4	126.6
									14.2	21.2





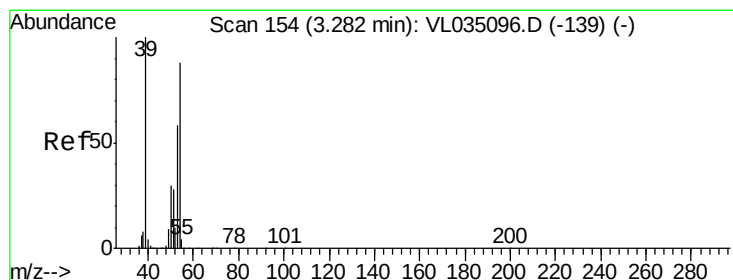
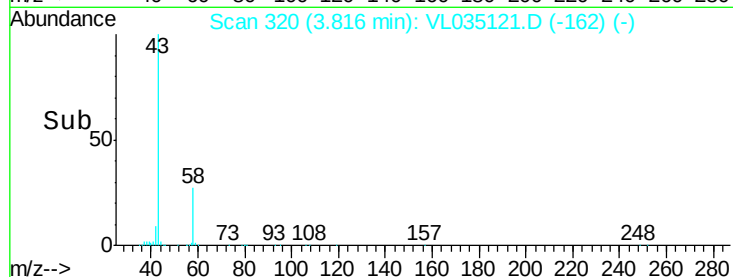
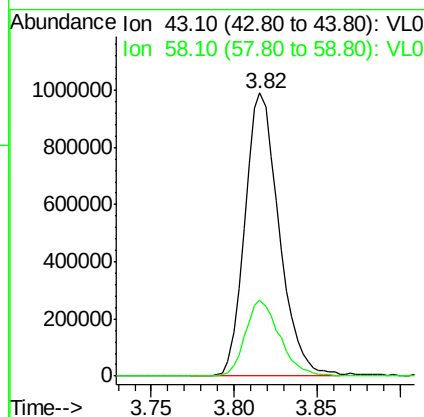
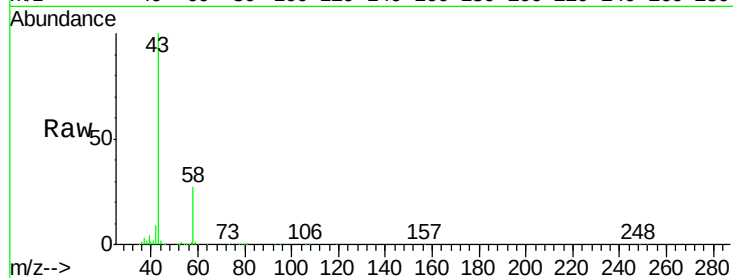
#15
Acetone
Concen: 8.858 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1412572
Ion Ratio Lower Upper
43 100
58 27.3 21.8 32.6

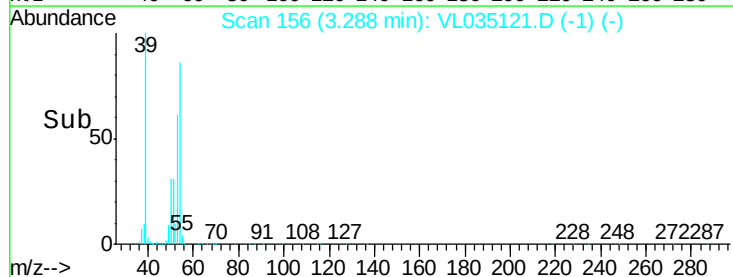
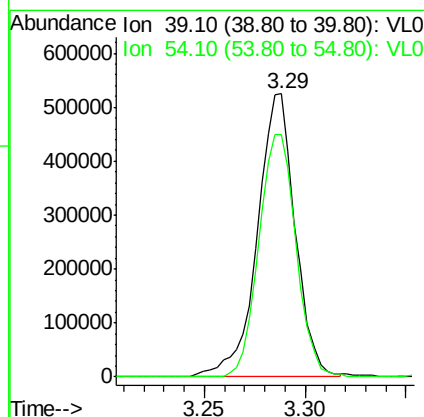
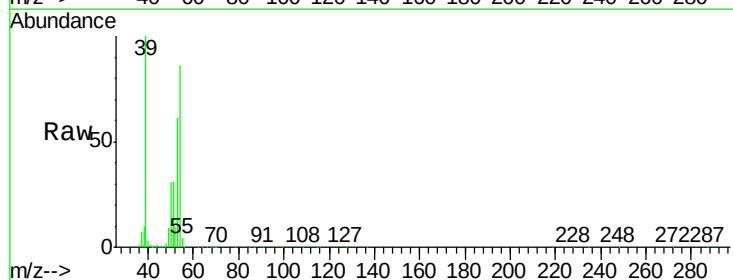
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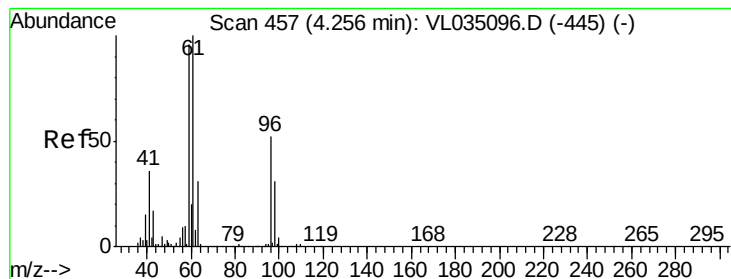
MMDadoda
7/2/2020 5:00:24 PM



#16
1,3-Butadiene
Concen: 9.769 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 39 Resp: 683277
Ion Ratio Lower Upper
39 100
54 85.3 67.0 100.4





#17

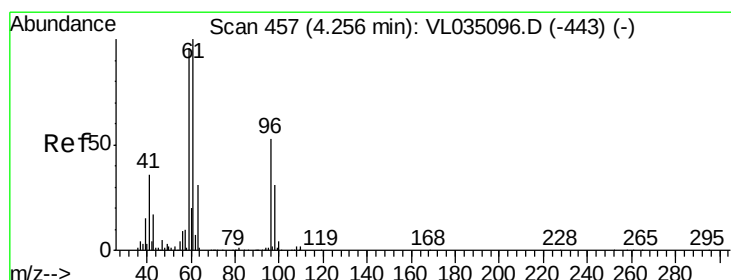
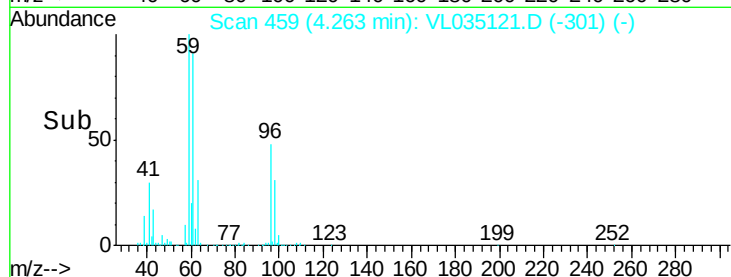
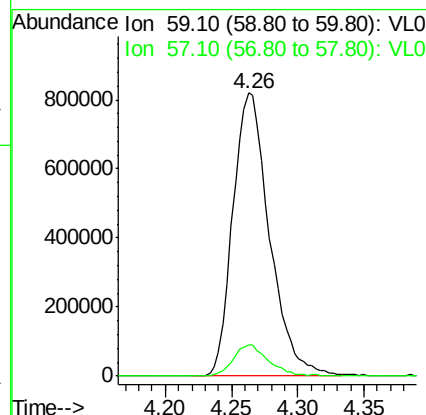
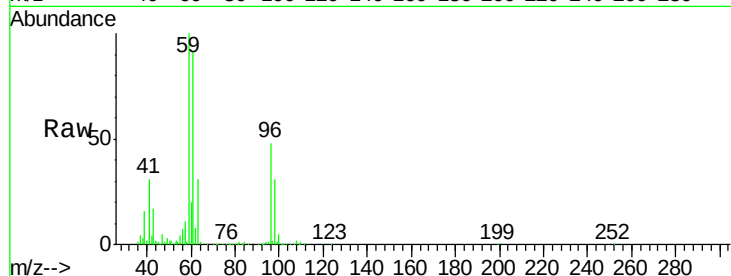
tert-Butyl alcohol
Concen: 11.151 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1575963
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

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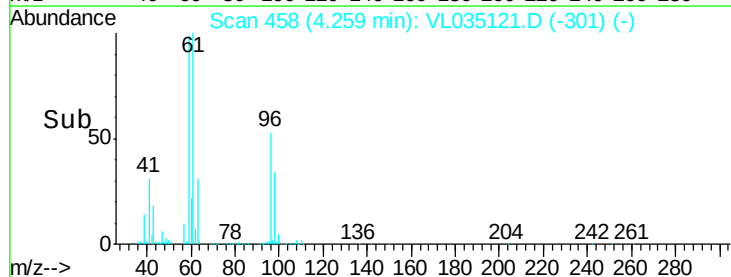
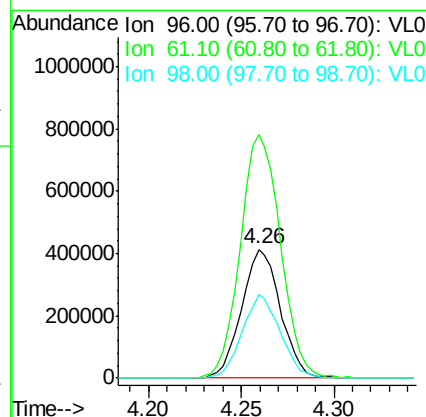
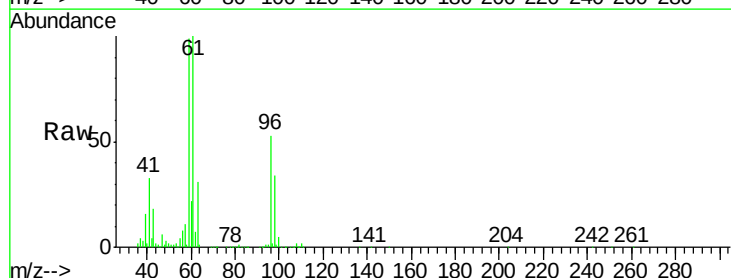
MMDadoda
7/2/2020 5:00:24 PM

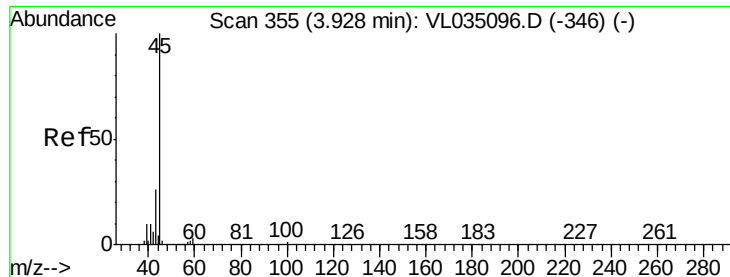


#18

1,1-Dichloroethene
Concen: 10.092 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 96 Resp: 598845
Ion Ratio Lower Upper
96 100
61 188.8 152.2 228.4
98 64.4 47.7 71.5





#19

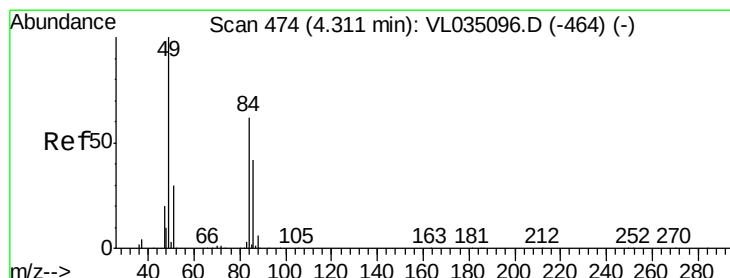
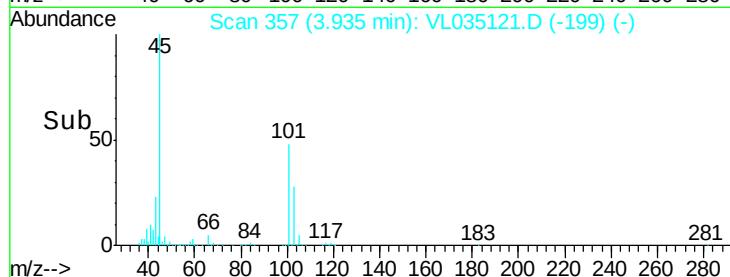
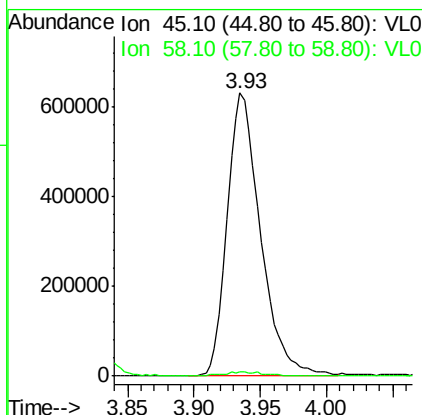
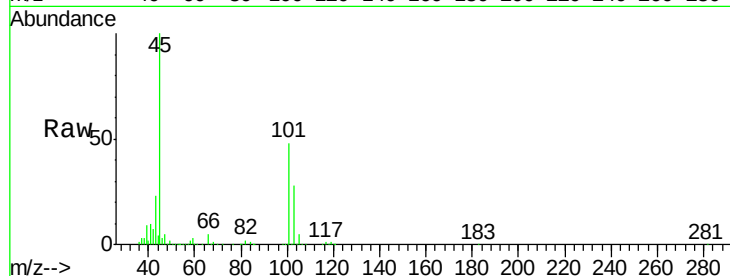
Isopropyl Alcohol
 Concen: 10.684 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 45 Resp: 1106350
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.8 2.8

Manual Integrations
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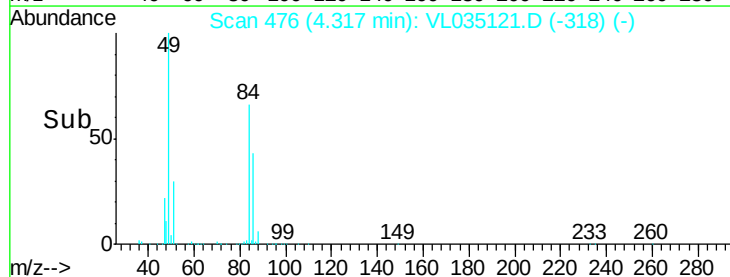
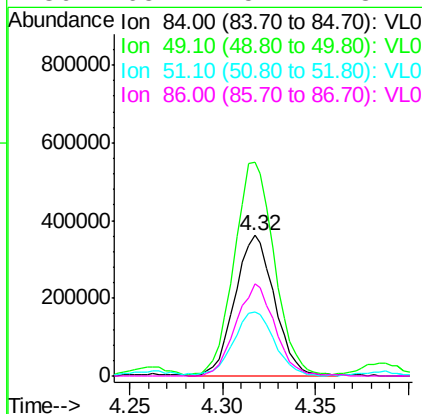
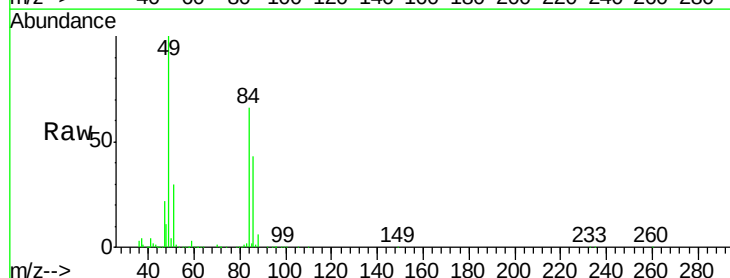
MMDadoda
 7/2/2020 5:00:24 PM

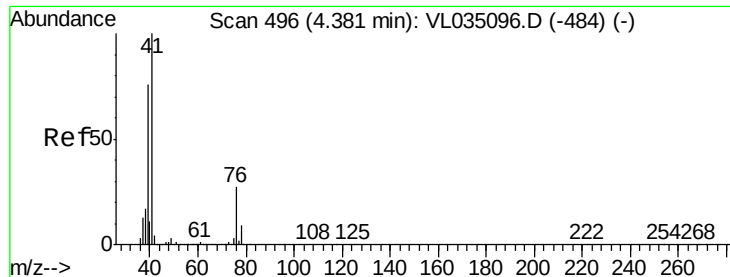


#20

Methylene Chloride
 Concen: 8.288 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion: 84 Resp: 534921
 Ion Ratio Lower Upper
 84 100
 49 151.3 128.8 193.2
 51 45.0 38.7 58.1
 86 65.4 54.1 81.1





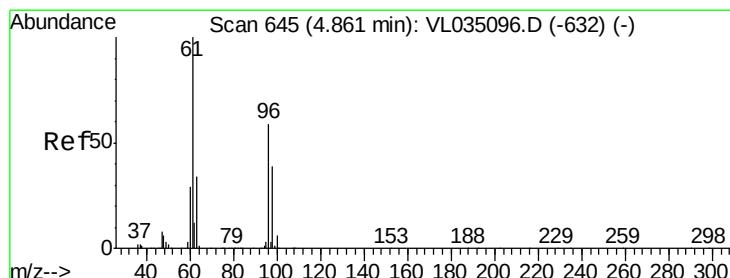
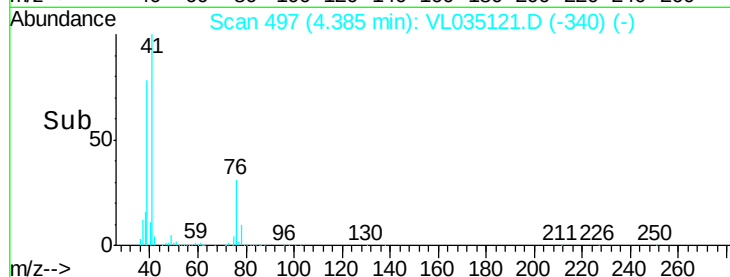
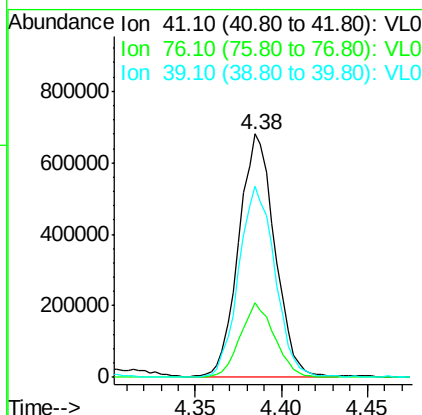
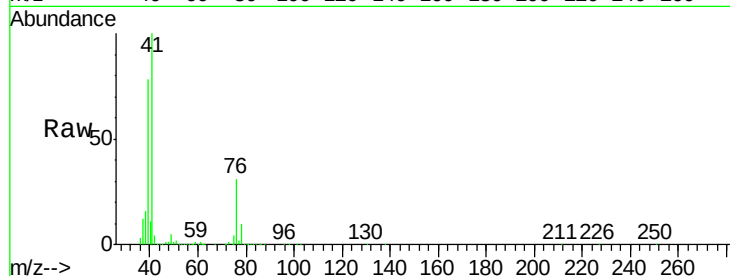
#21
Allvl Chloride
Concen: 10.395 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.6	22.6	34.0
39	79.5	61.6	92.4

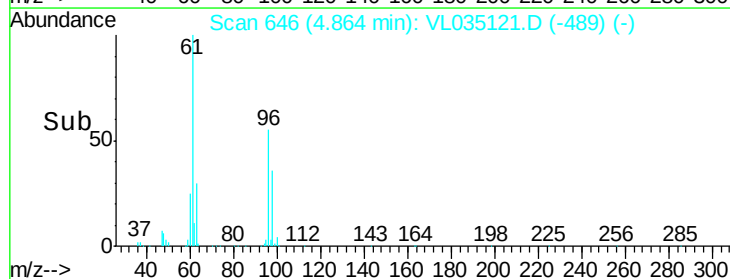
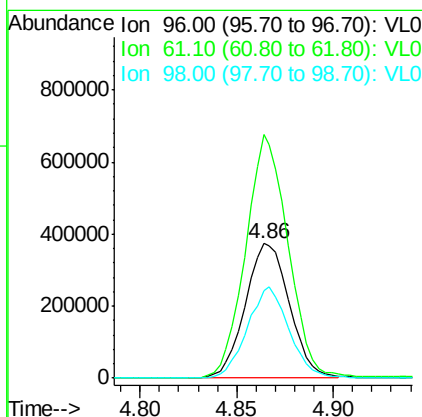
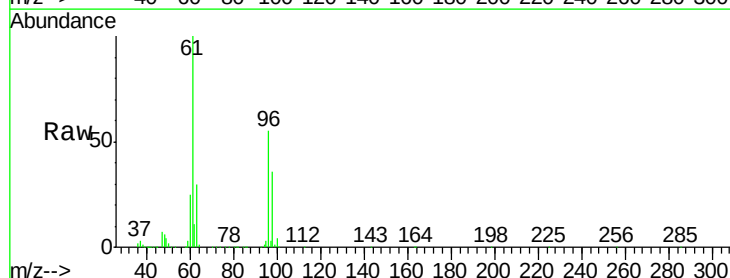
Manual Integrations
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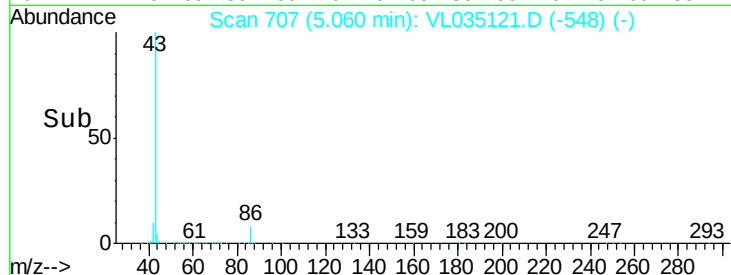
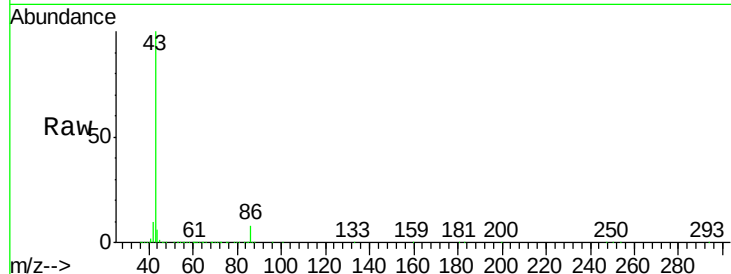
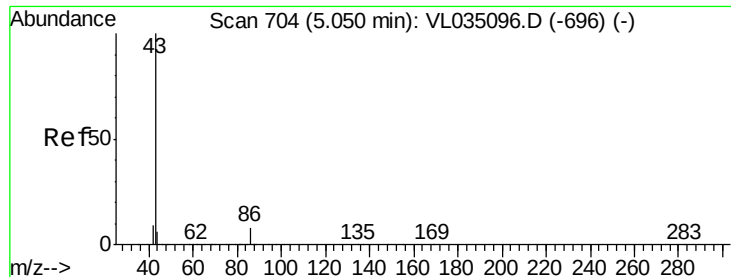
MMDadoda
7/2/2020 5:00:24 PM



#22
trans-1,2-Dichloroethene
Concen: 10.697 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.2	134.5	201.7
98	65.4	52.6	79.0





#23

Vinyl Acetate

Concen: 10.469 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tot Ion:	43	Resp:	2026440
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.2
42	9.8	8.1	12.1
44	5.7	4.6	7.0

Instrument :

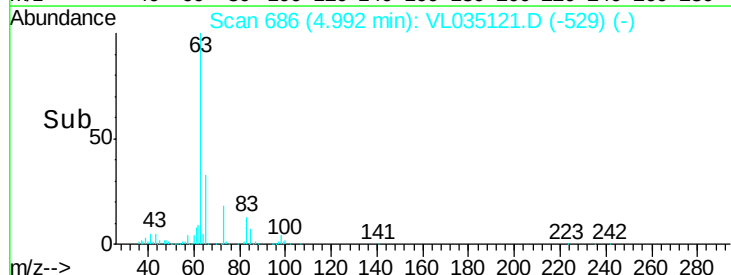
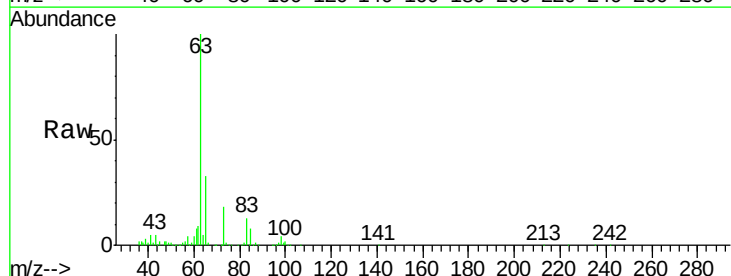
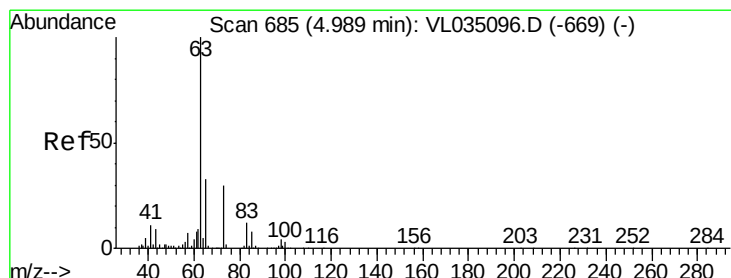
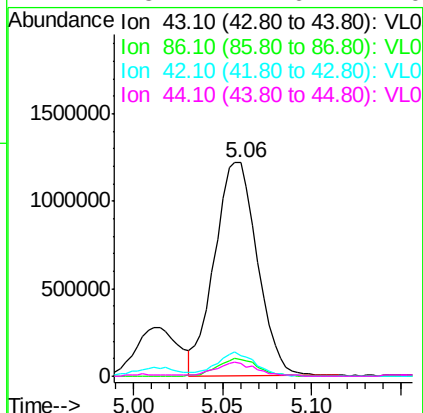
MSVOA_L

ClientSampleId :

VSTDCCC010

Manual Integrations
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7/2/2020 5:00:24 PM



#24

1,1-Dichloroethane

Concen: 9.701 ppbv

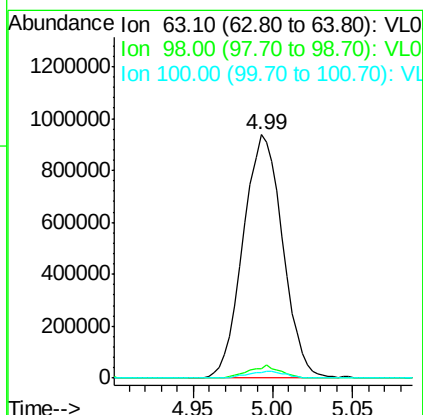
RT: 4.99 min Scan# 686

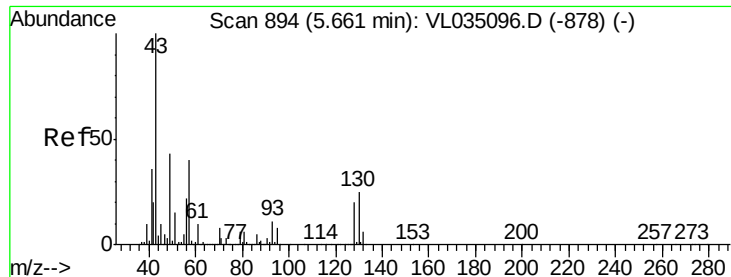
Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:	63	Resp:	1583116
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.3	6.9
100	2.2	1.4	4.0





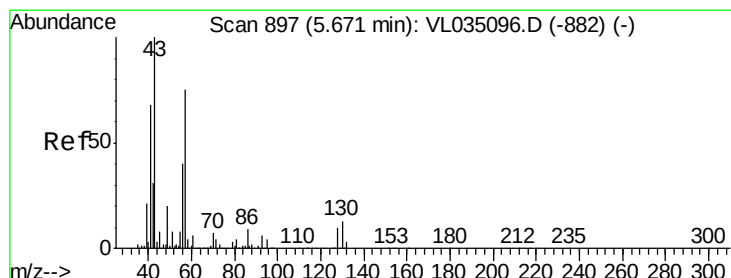
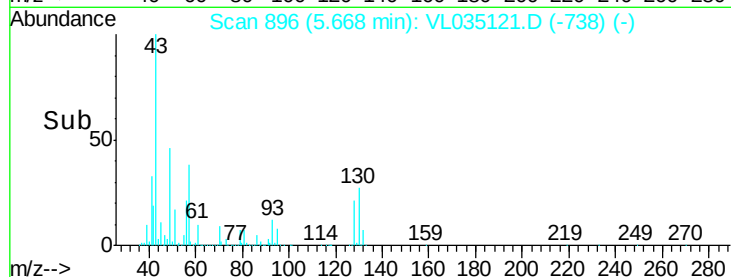
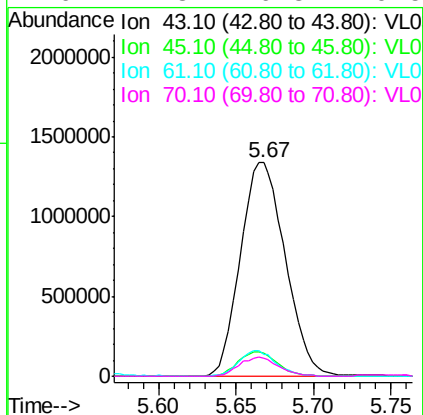
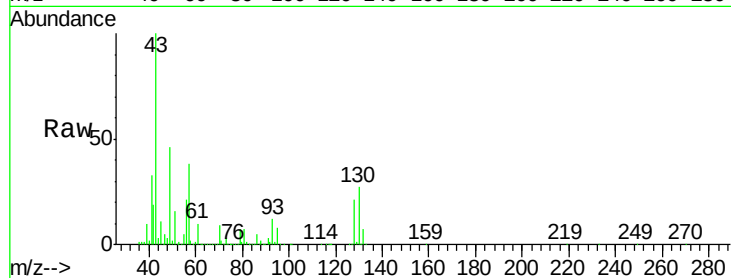
#25
Ethyl Acetate
Concen: 9.341 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	8.4	12.6	
61	10.2	8.0	12.0	
70	7.8	6.3	9.5	

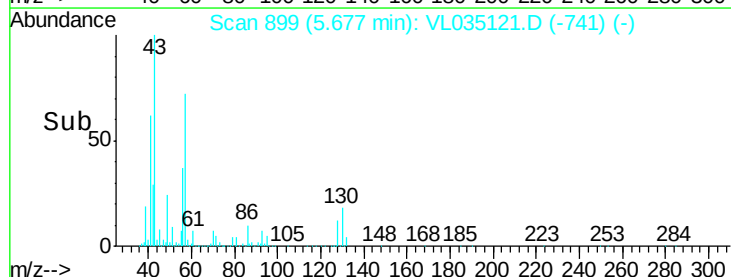
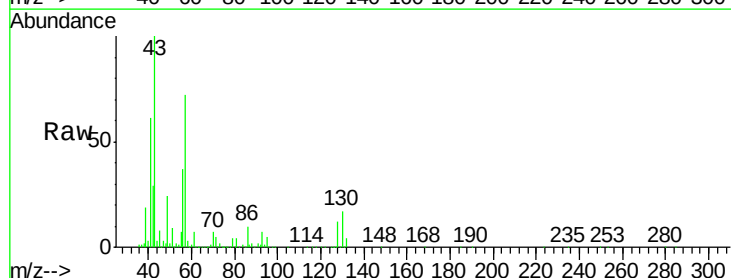
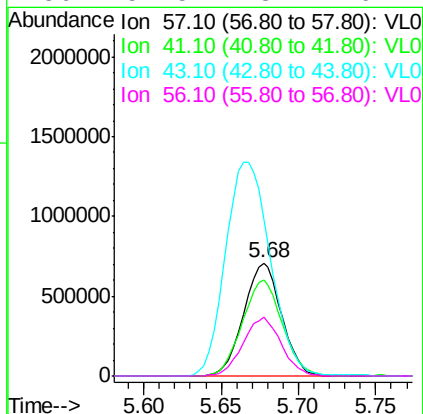
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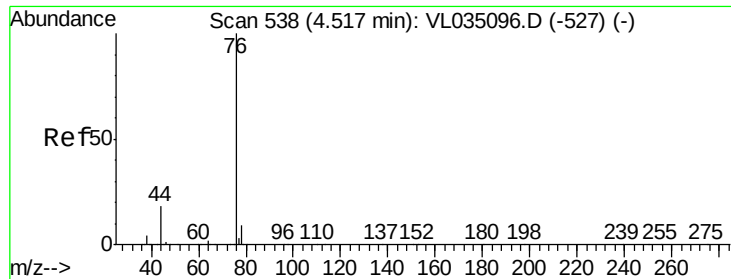
MMDadoda
7/2/2020 5:00:24 PM



#26
Hexane
Concen: 9.259 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.0	72.9	109.3	
43	225.8	181.3	271.9	
56	52.5	43.1	64.7	





#27

Carbon Disulfide

Concen: 11.776 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1581298

Ion Ratio Lower Upper

76 100

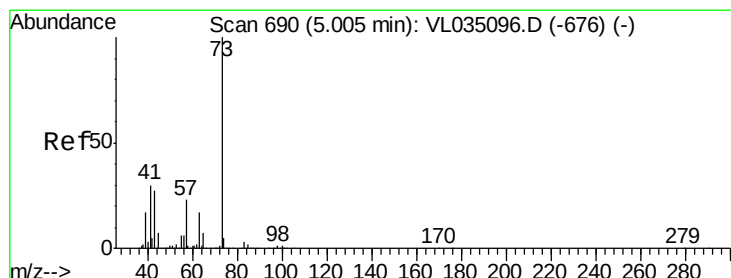
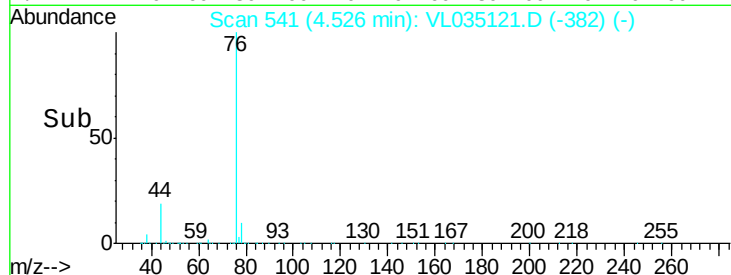
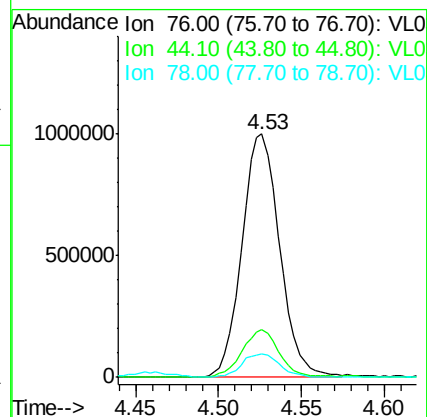
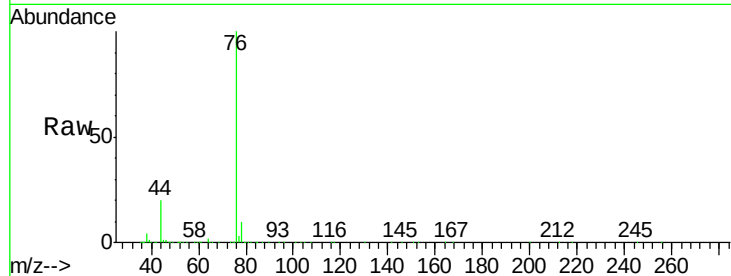
44 19.2 15.8 23.8

78 9.8 7.6 11.4

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.472 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035121.D

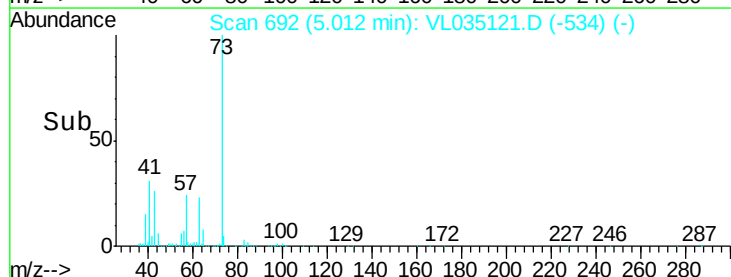
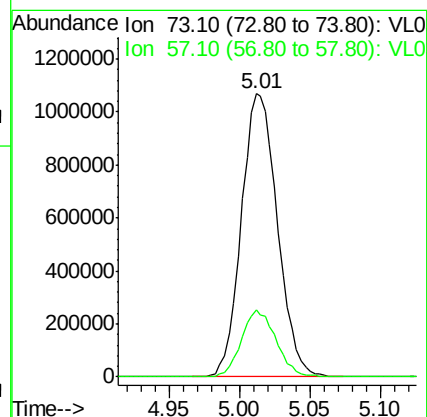
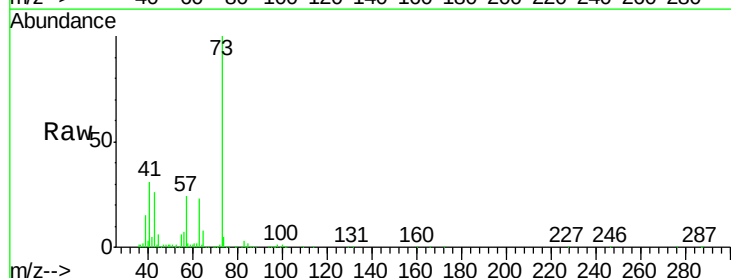
Acq: 30 Jun 2020 9:36

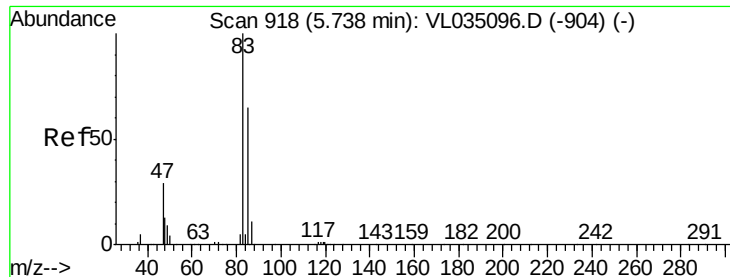
Tgt Ion: 73 Resp: 1909148

Ion Ratio Lower Upper

73 100

57 22.9 18.5 27.7





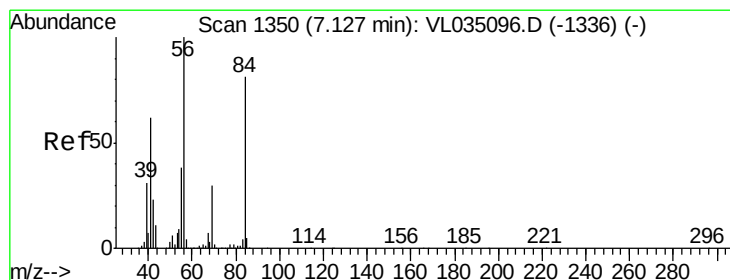
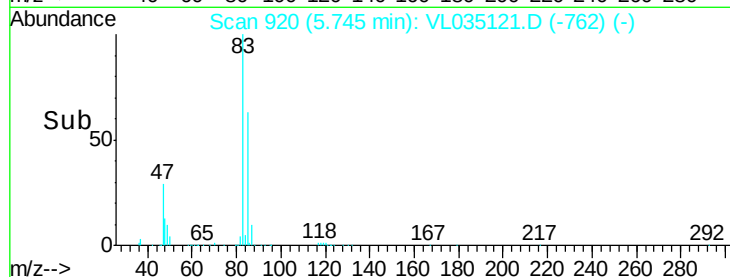
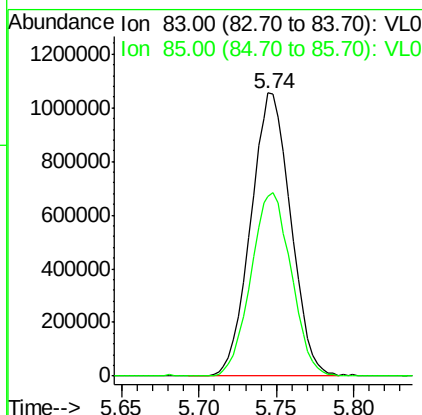
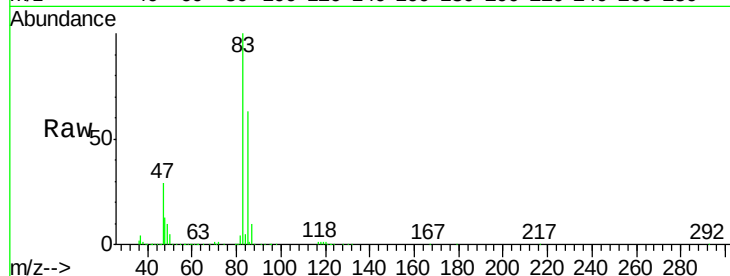
#29
Chloroform
Concen: 9.348 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1898165
Ion Ratio Lower Upper
83 100
85 63.2 52.1 78.1

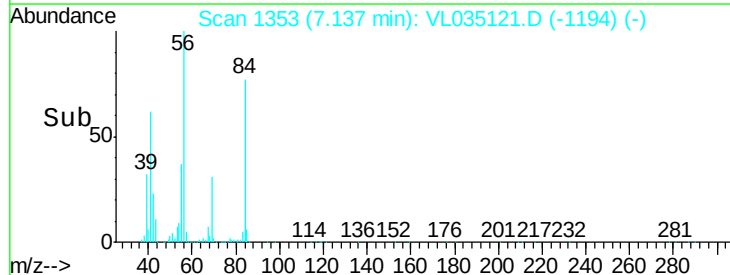
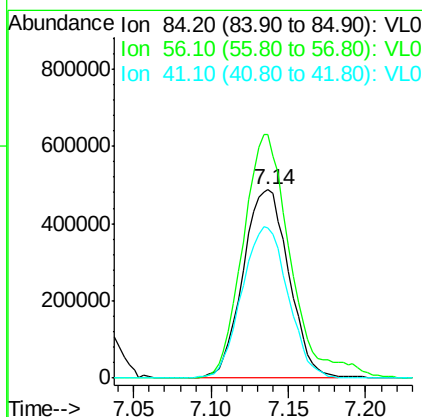
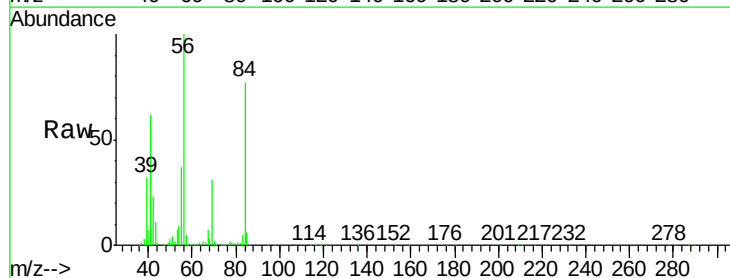
Manual Integrations
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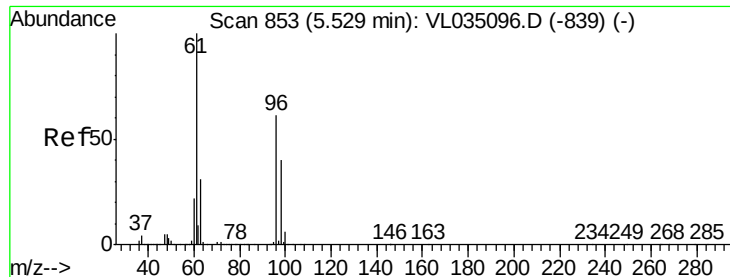
MMDadoda
7/2/2020 5:00:24 PM



#30
Cyclohexane
Concen: 10.786 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 84 Resp: 1004454
Ion Ratio Lower Upper
84 100
56 134.7 108.0 162.0
41 81.3 65.6 98.4





#31

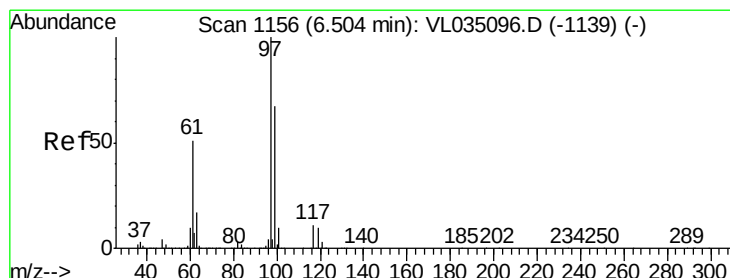
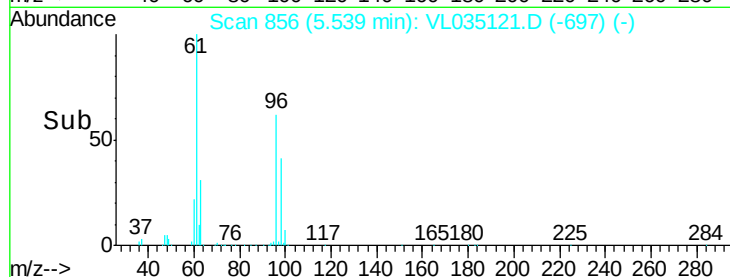
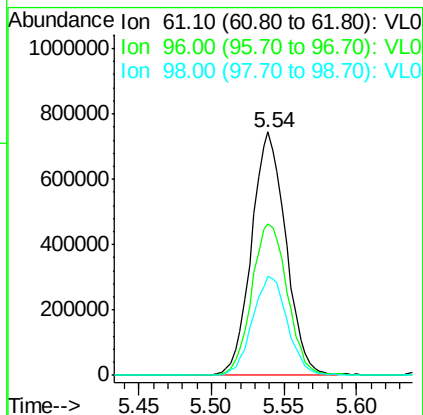
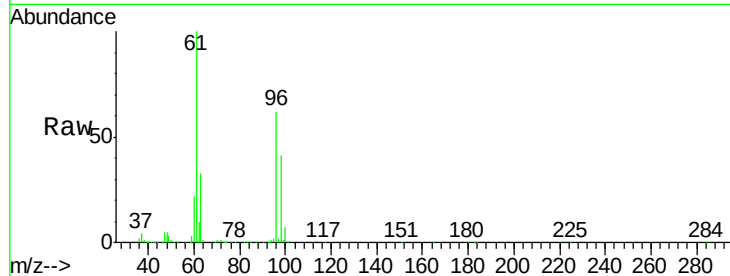
cis-1,2-Dichloroethene
Concen: 10.263 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.0	48.8	73.2
98	40.8	31.9	47.9

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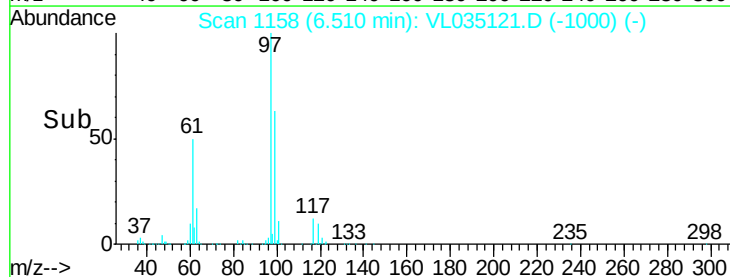
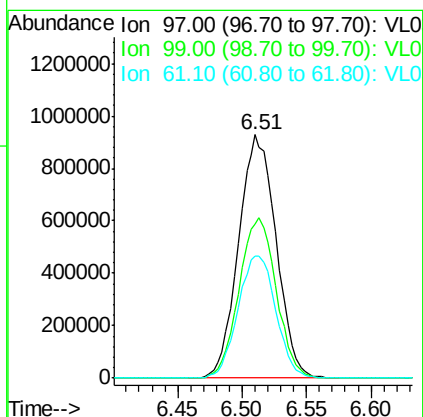
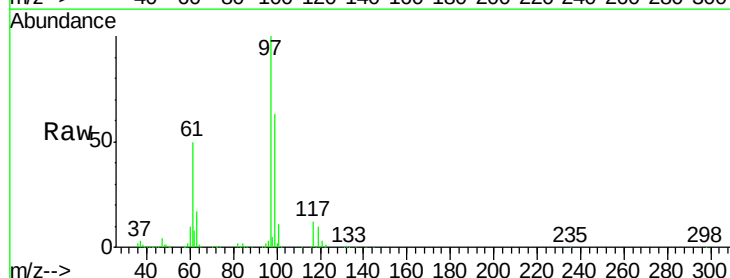
MMDadoda
7/2/2020 5:00:24 PM

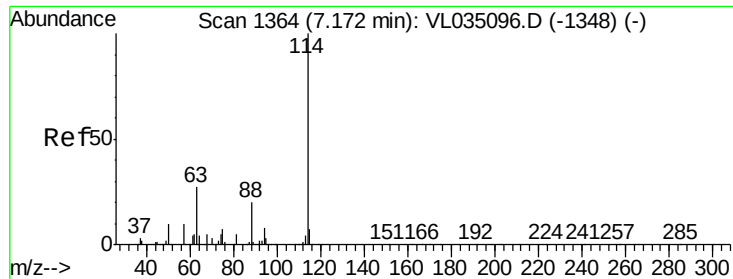


#32

1,1,1-Trichloroethane
Concen: 9.964 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	51.0	41.0	61.6





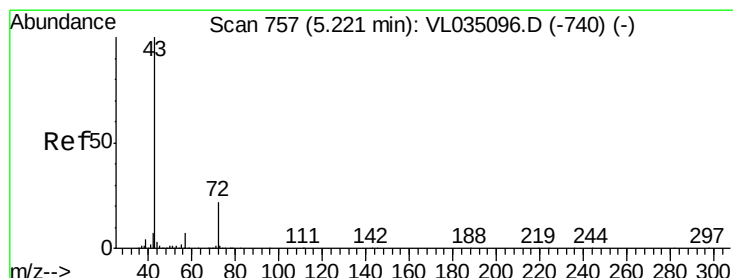
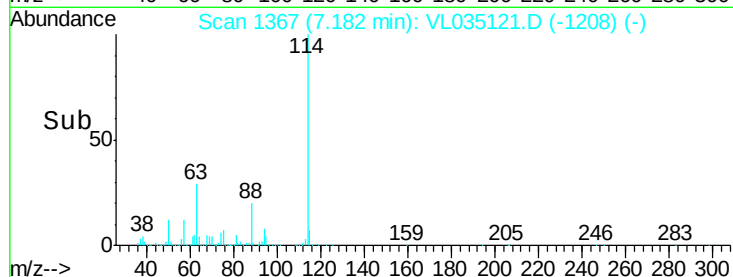
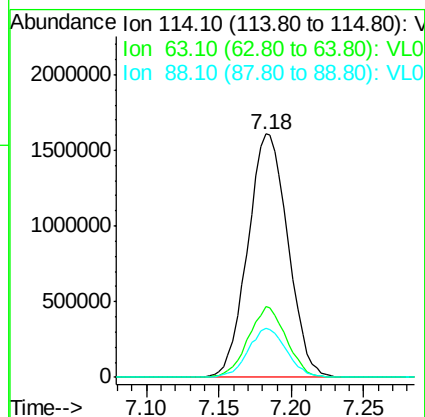
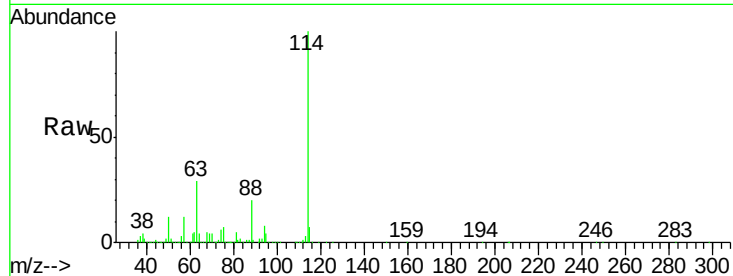
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3097176
 Ion Ratio Lower Upper
 114 100
 63 28.1 21.9 32.9
 88 19.4 15.6 23.4

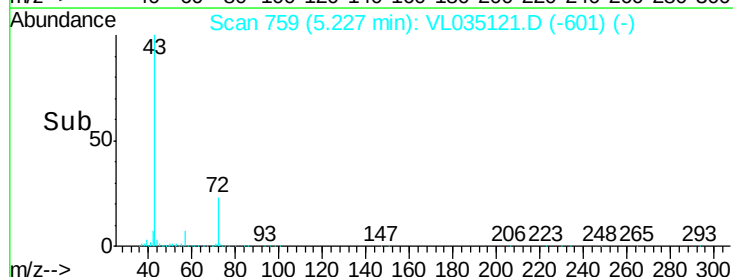
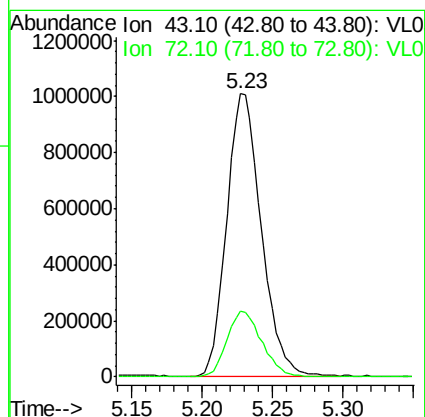
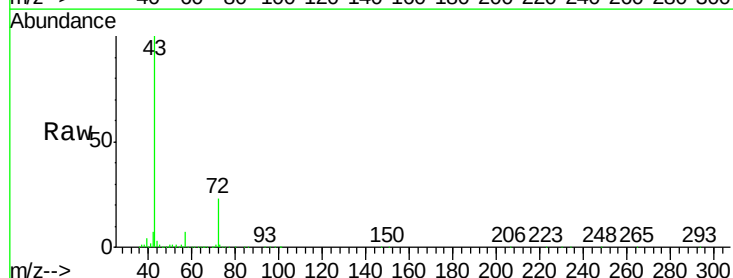
Manual Integrations
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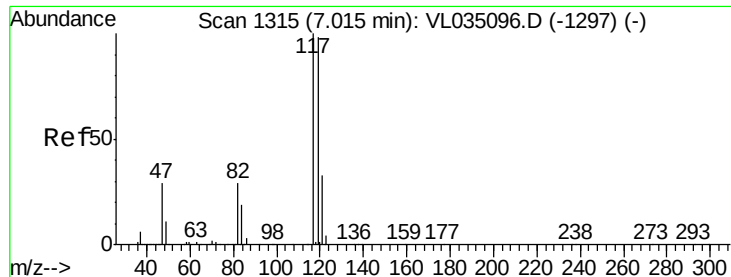
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#34
 2-Butanone
 Concen: 9.717 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion: 43 Resp: 1728226
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.3 27.5





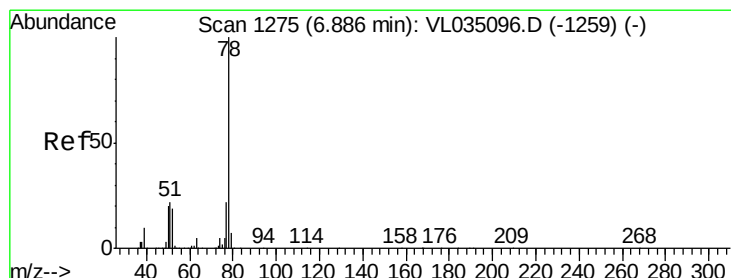
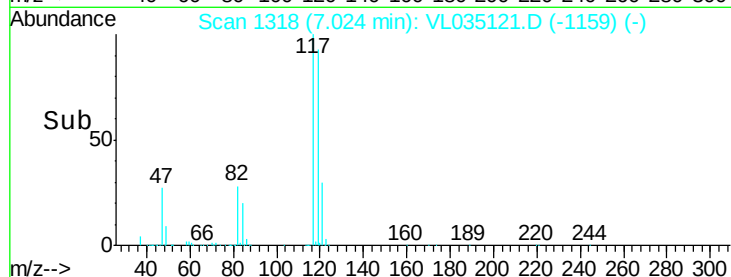
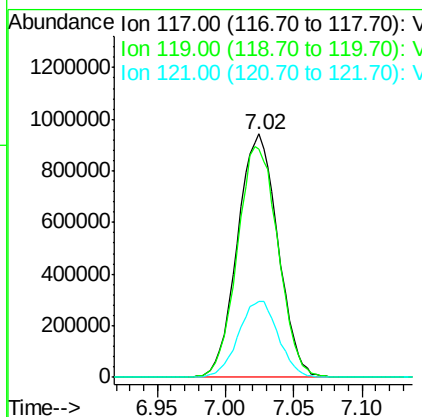
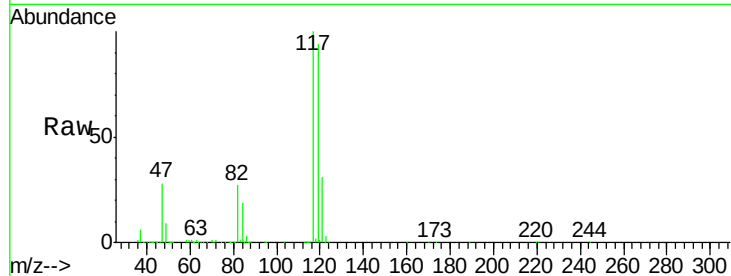
#35
Carbon Tetrachloride
Concen: 10.432 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.3	117.5
121	31.2	26.0	39.0

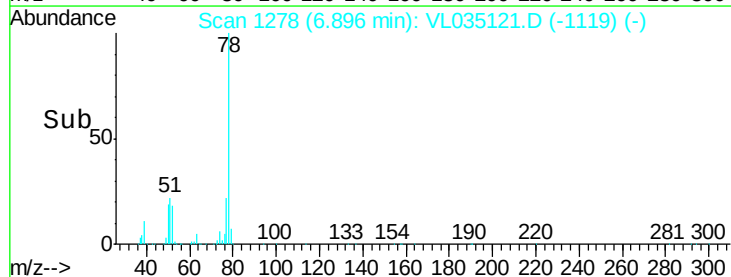
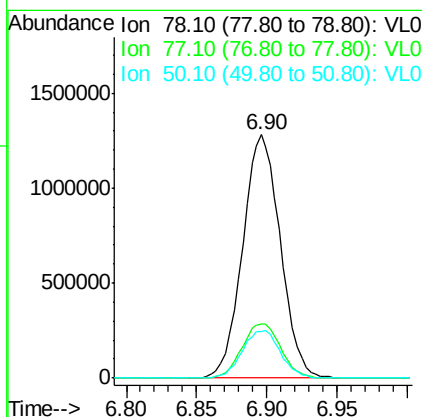
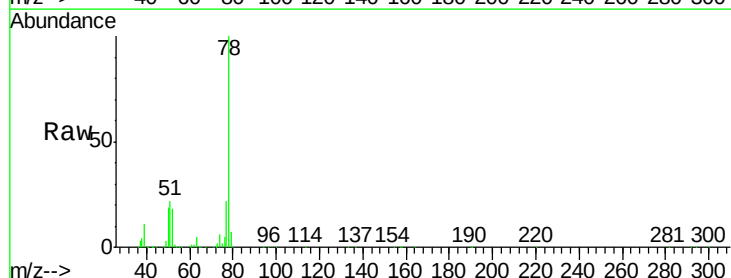
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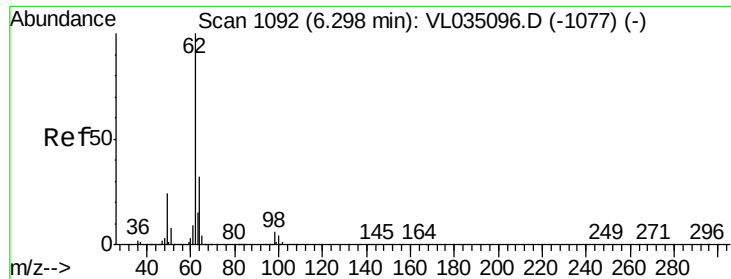
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#36
Benzene
Concen: 9.970 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.8	26.6
50	19.2	16.2	24.2





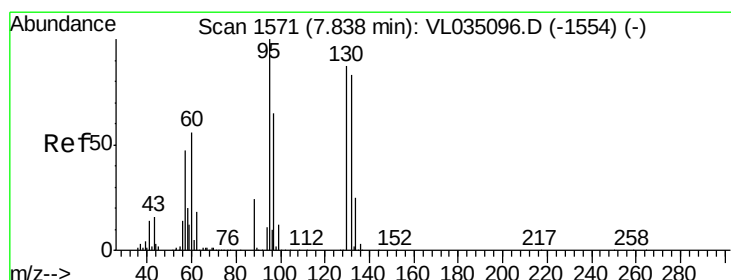
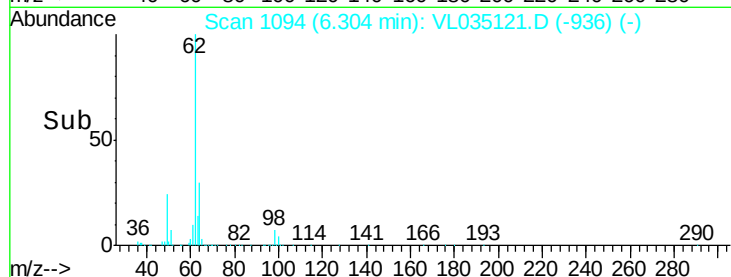
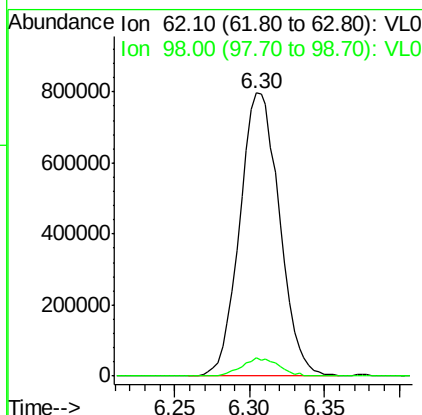
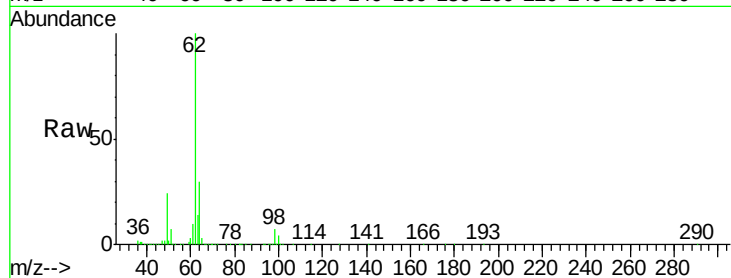
#37
 1,2-Dichloroethane
 Concen: 9.728 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.8	7.2

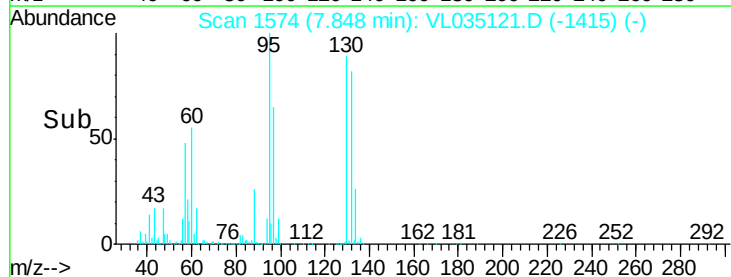
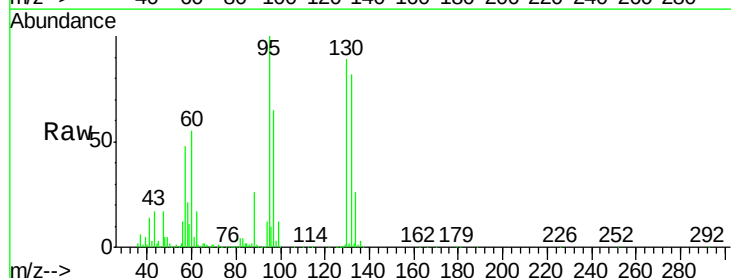
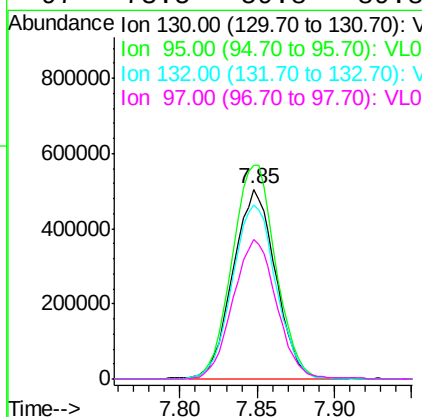
Manual Integrations
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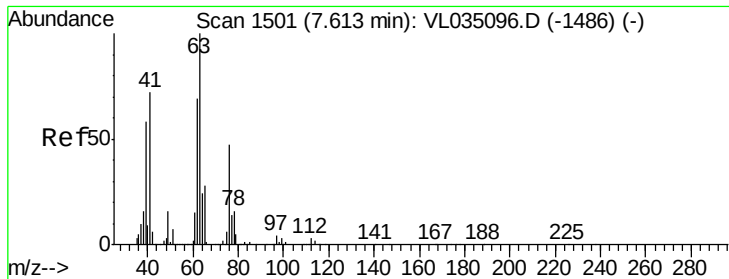
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#38
 Trichloroethene
 Concen: 10.291 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.3	91.4	137.2
132	92.0	75.8	113.6
97	73.5	59.8	89.8





#39

1,2-Dichloropropane

Concen: 10.083 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

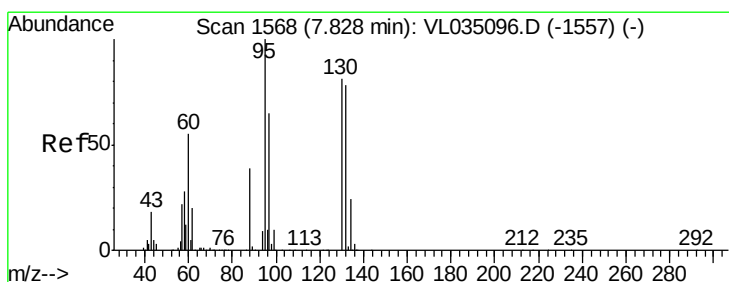
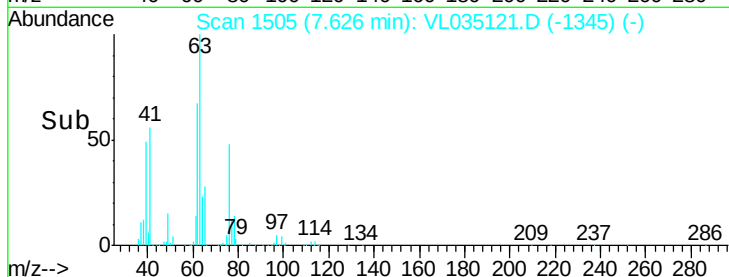
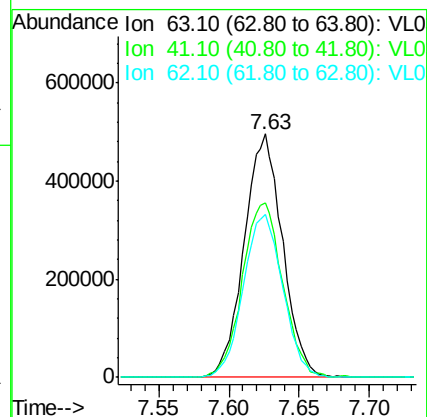
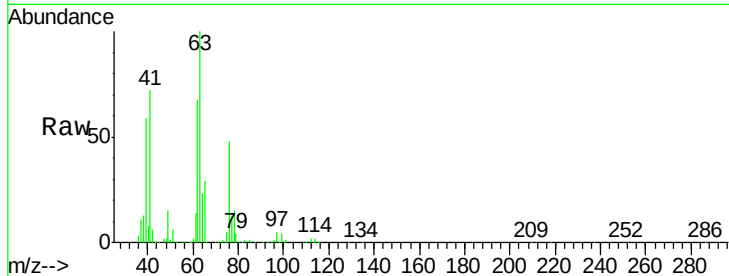
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	945764
Ion Ratio	Lower	Upper	
63	100		
41	71.6	58.0	87.0
62	67.0	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.377 ppbv

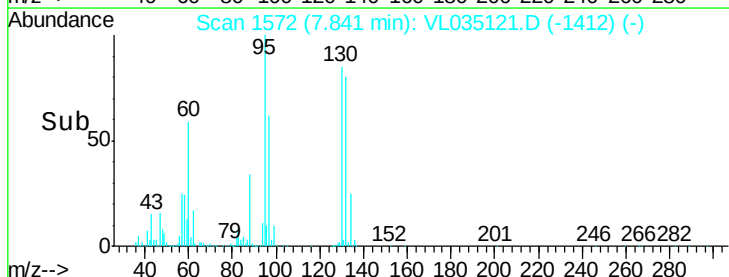
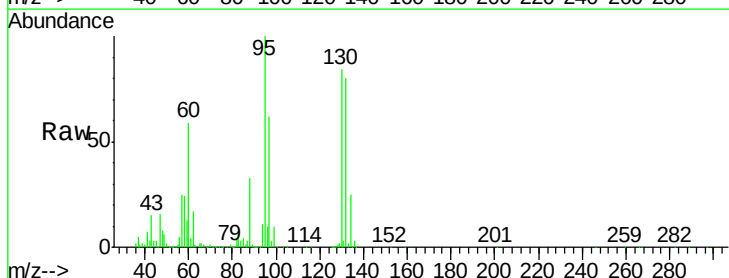
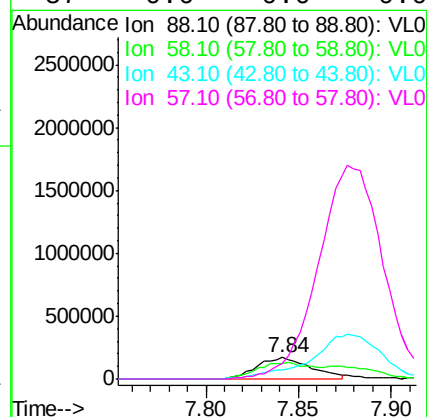
RT: 7.84 min Scan# 1572

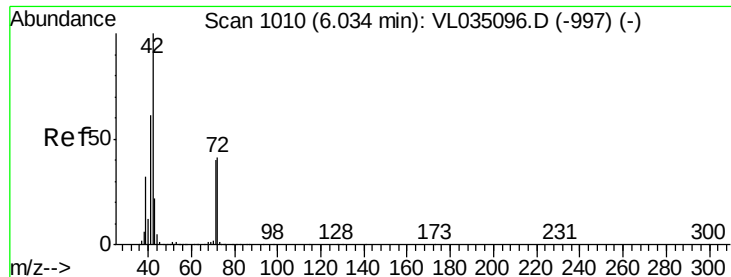
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:	88	Resp:	346942
Ion Ratio	Lower	Upper	
88	100		
58	136.1	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.418 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

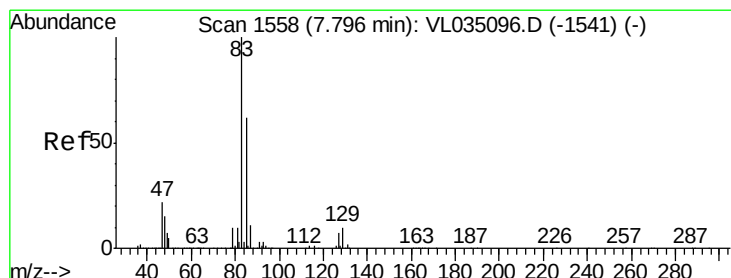
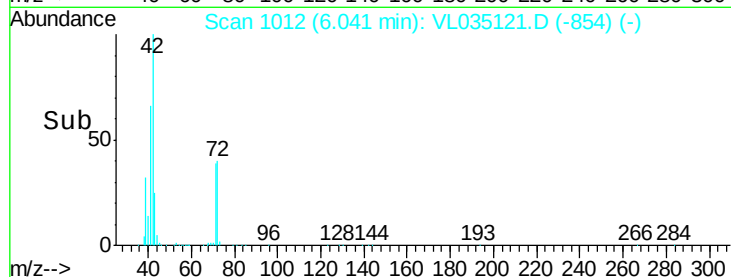
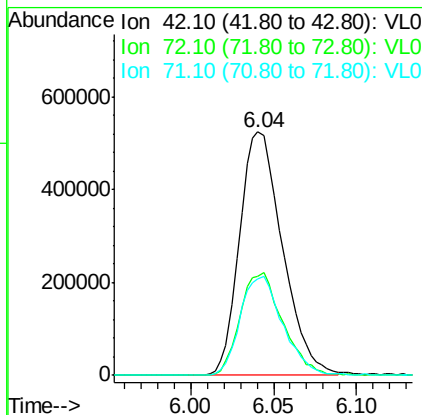
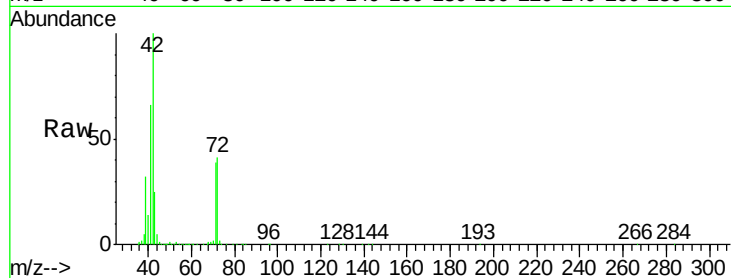
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	946460
Ion Ratio		Lower	Upper
42	100		
72	42.0	33.4	50.2
71	40.6	31.8	47.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.466 ppbv

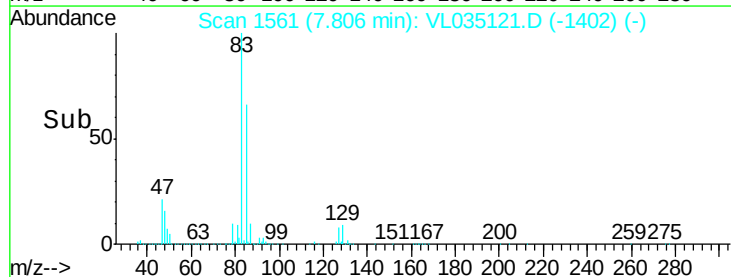
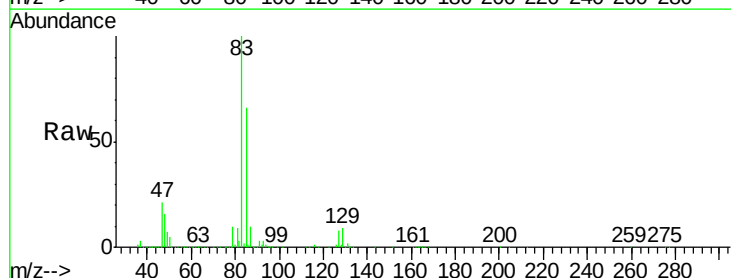
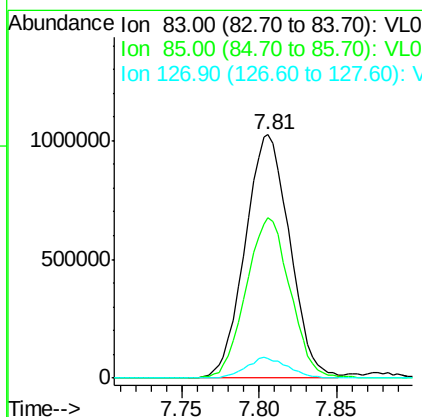
RT: 7.81 min Scan# 1561

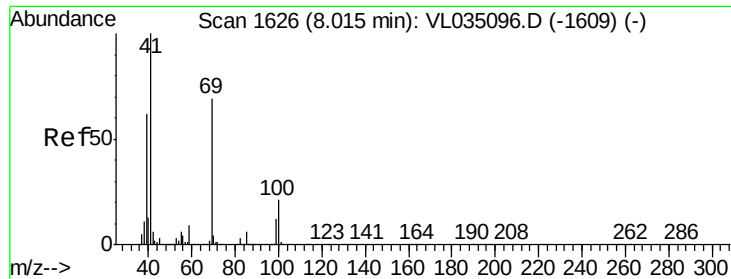
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:	83	Resp:	2054561
Ion Ratio		Lower	Upper
83	100		
85	65.6	49.4	74.0
127	8.1	5.9	8.9





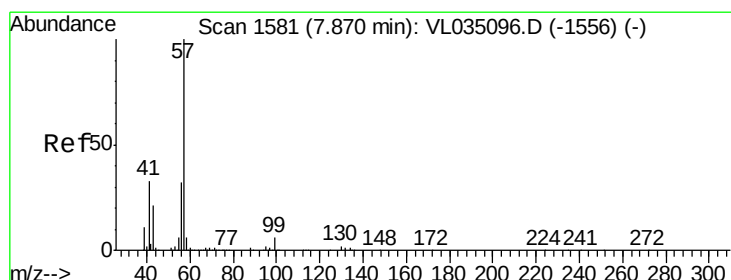
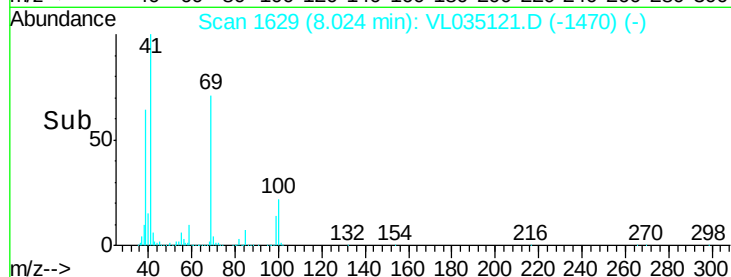
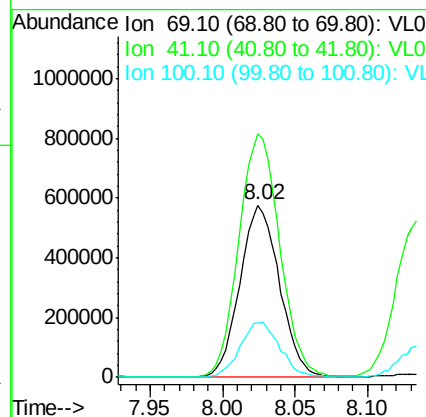
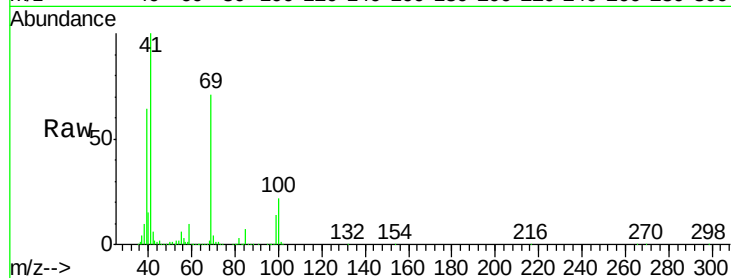
#43
Methyl Methacrylate
Concen: 10.817 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 69 Resp: 1098078
Ion Ratio Lower Upper
69 100
41 145.7 116.4 174.6
100 32.0 25.3 37.9

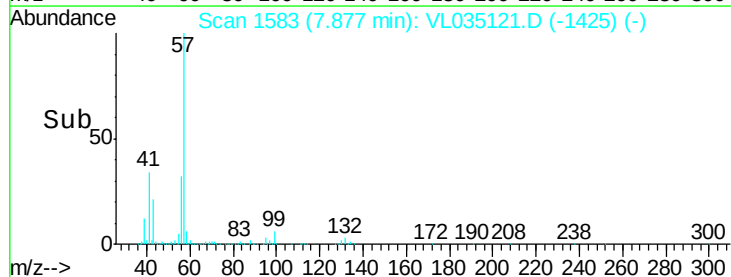
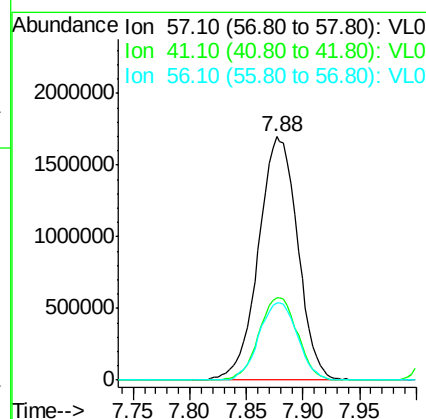
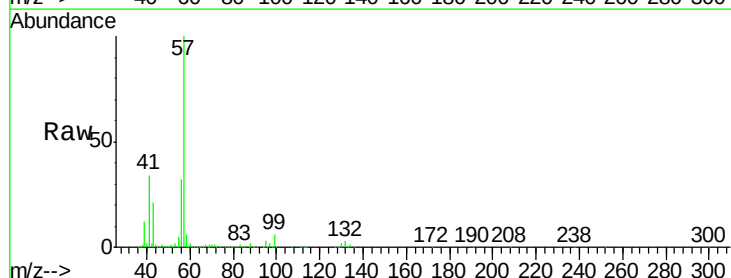
Manual Integrations
APPROVED

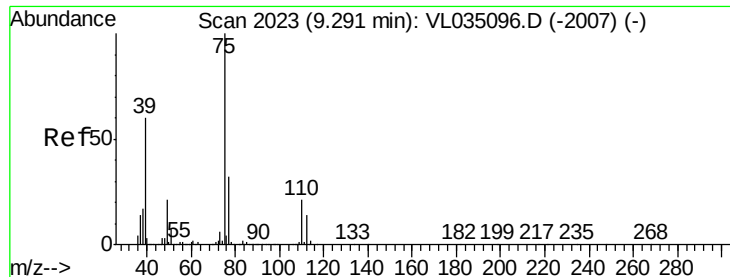
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#44
2,2,4-Trimethylpentane
Concen: 9.740 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 57 Resp: 4077170
Ion Ratio Lower Upper
57 100
41 33.4 26.2 39.2
56 31.5 25.4 38.2





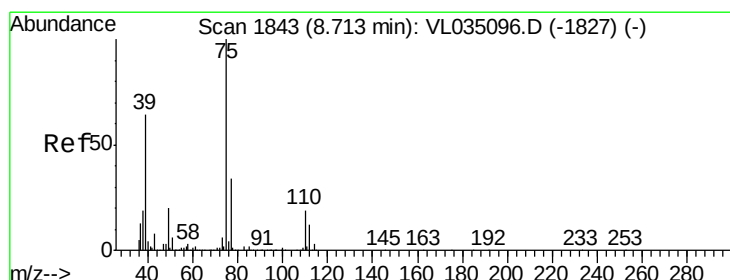
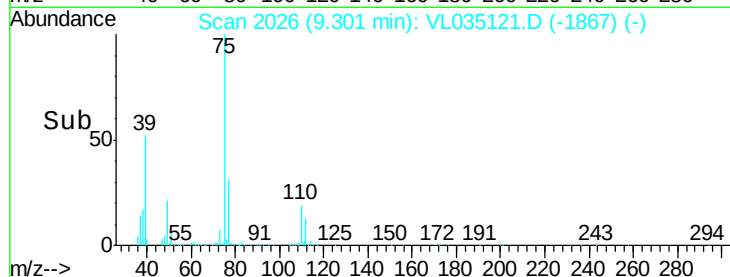
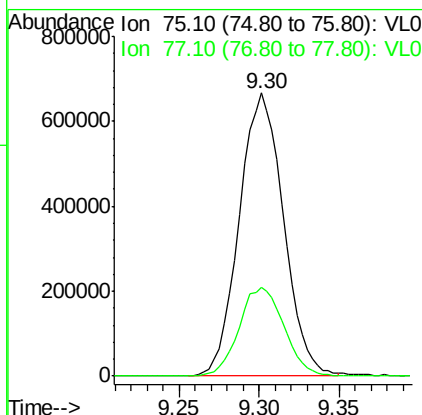
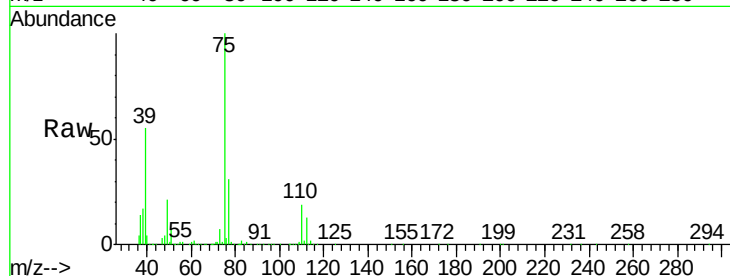
#45
t-1,3-Dichloropropene
Concen: 12.731 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1257745
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3

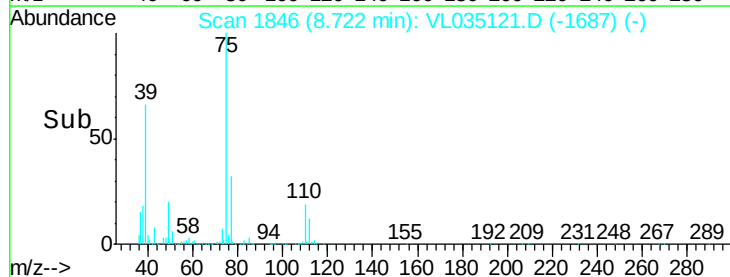
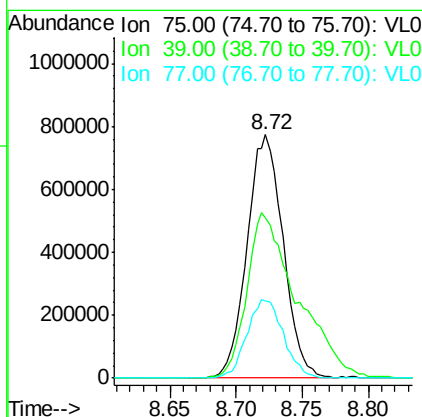
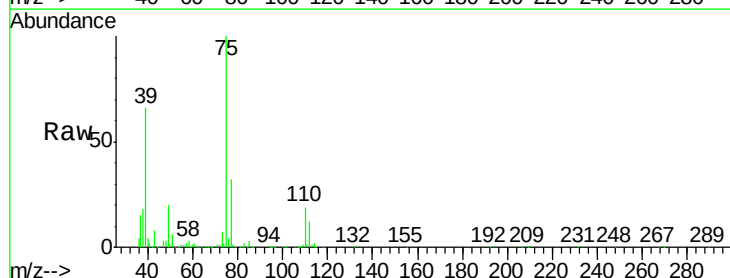
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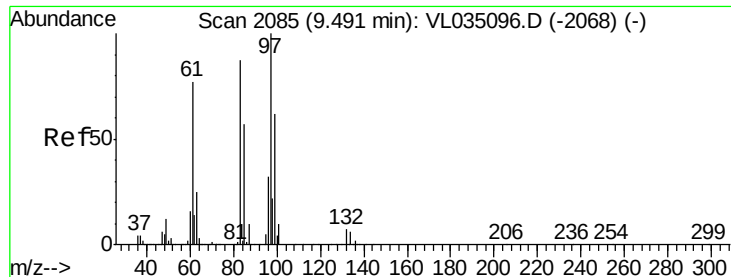
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.949 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 75 Resp: 1466483
Ion Ratio Lower Upper
75 100
39 65.8 51.1 76.7
77 31.6 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 9.756 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

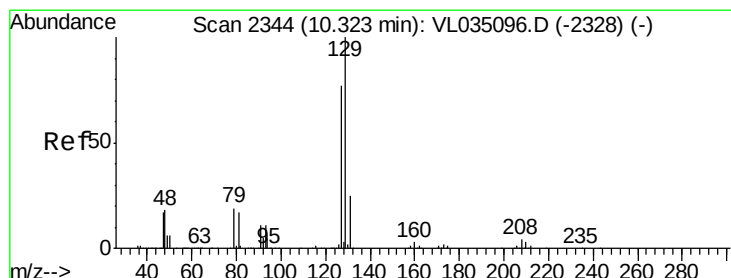
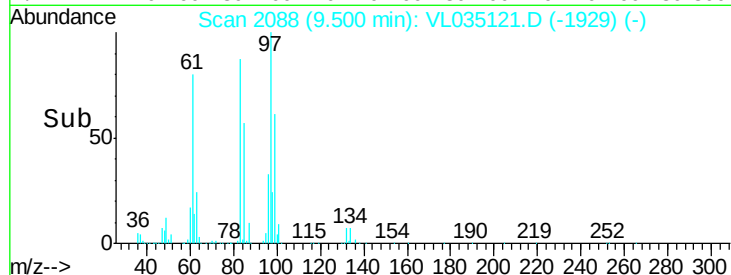
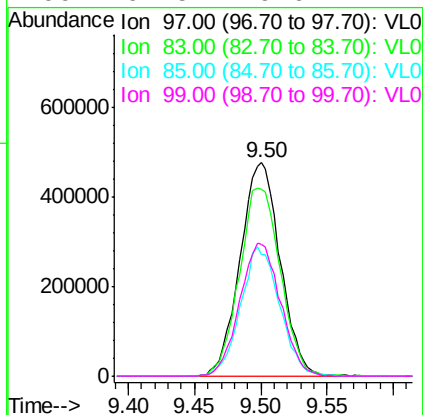
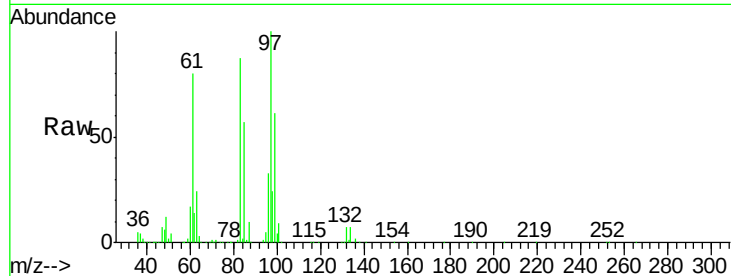
ClientSampleId :

VSTDCCC010

Tot Ion:	97	Resp:	998804
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.5	104.3
85	57.0	46.0	69.0
99	61.5	49.6	74.4

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#48

Dibromochloromethane

Concen: 11.202 ppbv

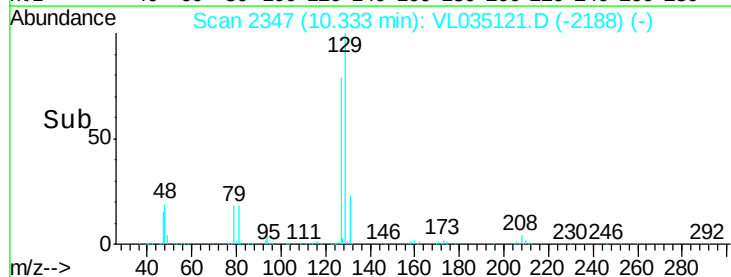
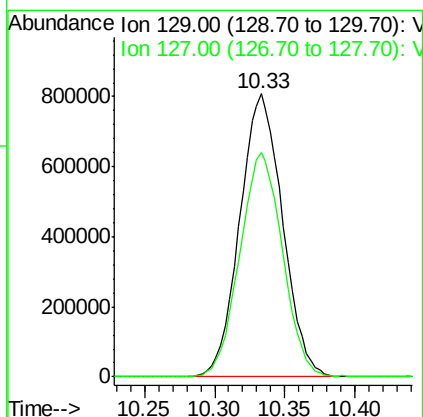
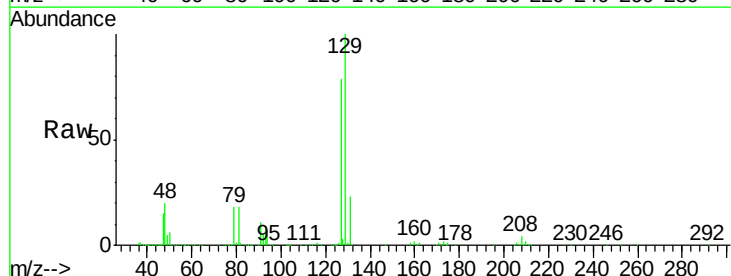
RT: 10.33 min Scan# 2347

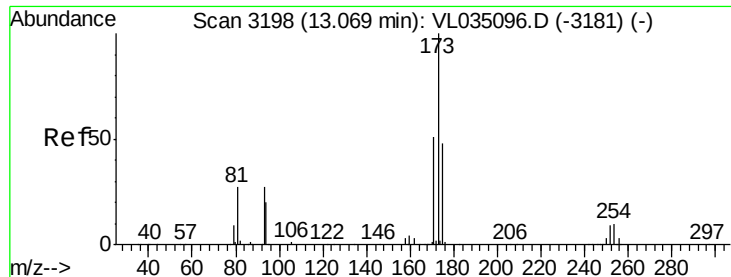
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:	129	Resp:	1709594
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.3	117.8





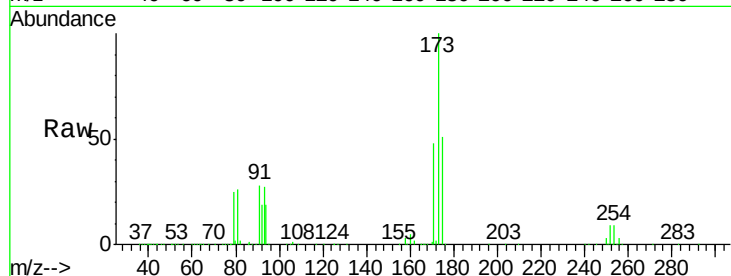
#49
Bromoform
Concen: 11.473 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

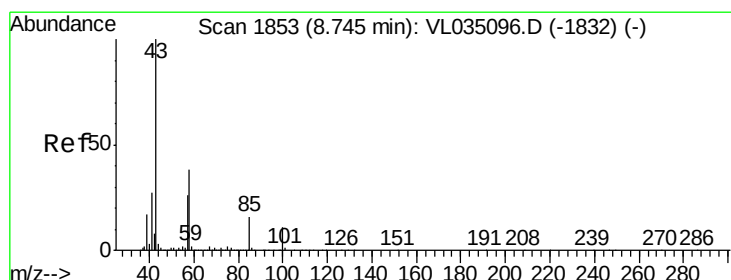
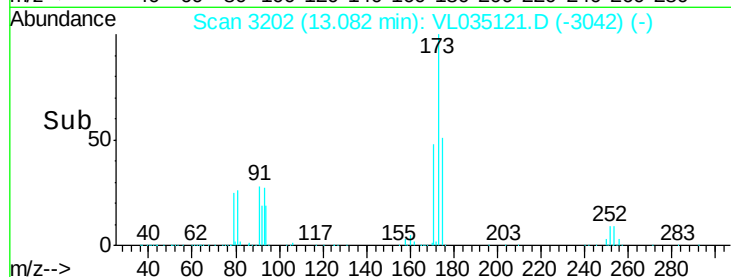
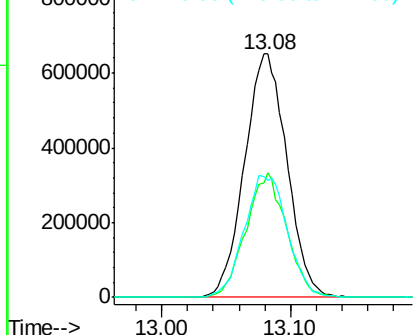
Tot Ion:173 Resp: 1487521
Ion Ratio Lower Upper
173 100
175 49.2 39.1 58.7
171 50.9 41.7 62.5

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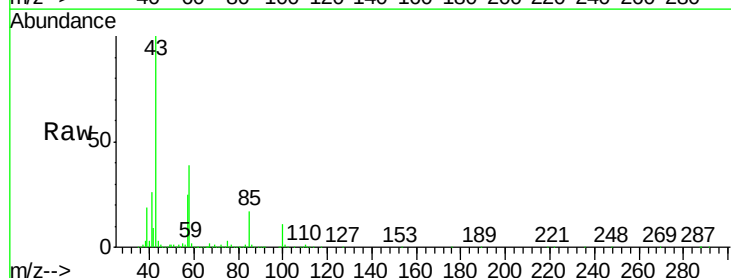


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

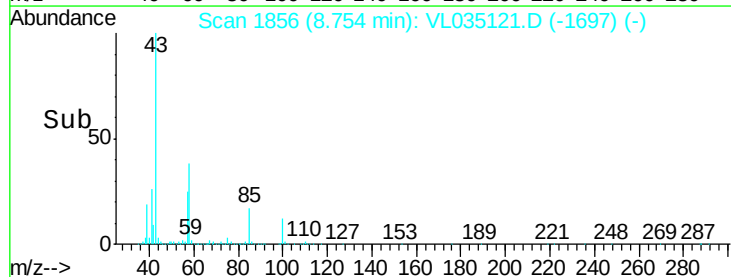
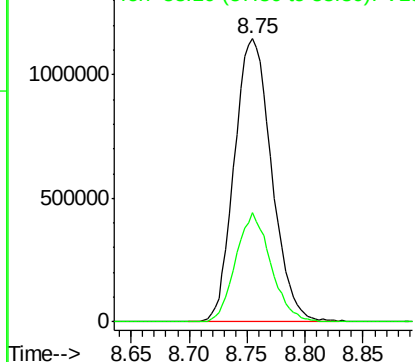


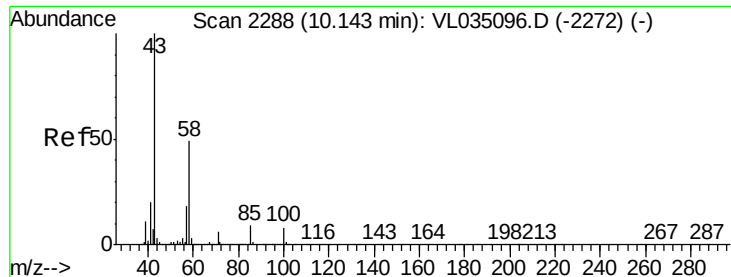
#50
4-Methyl-2-Pentanone
Concen: 10.138 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 43 Resp: 2561914
Ion Ratio Lower Upper
43 100
58 36.4 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: 10.614 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2100641

Ion Ratio Lower Upper

43 100

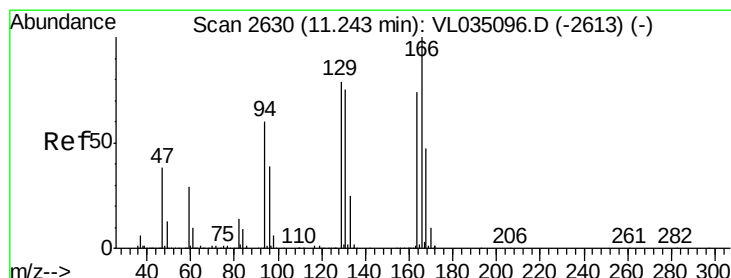
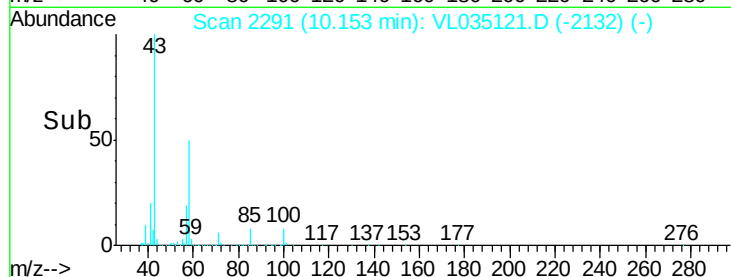
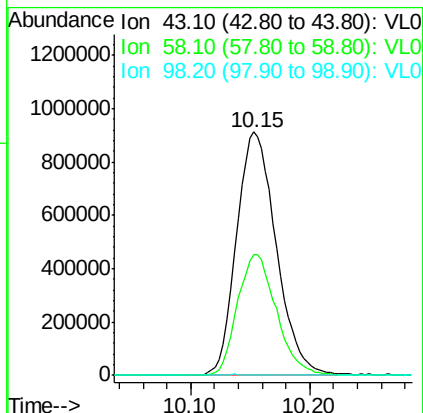
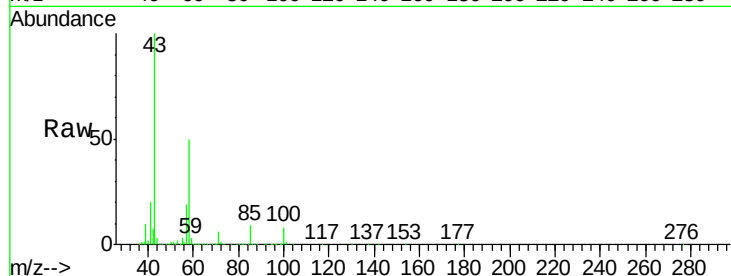
58 49.1 39.2 58.8

98 0.2 0.3 0.5#

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#52

Tetrachloroethene

Concen: 10.343 ppbv

RT: 11.26 min Scan# 2634

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion: 164 Resp: 874082

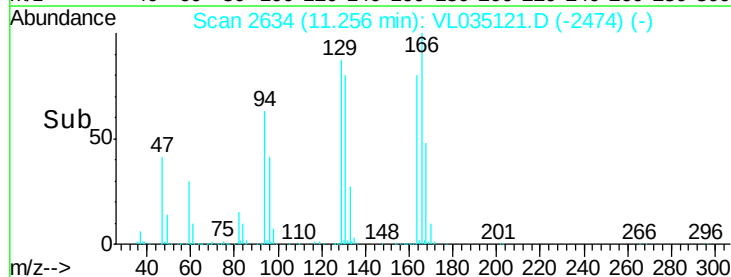
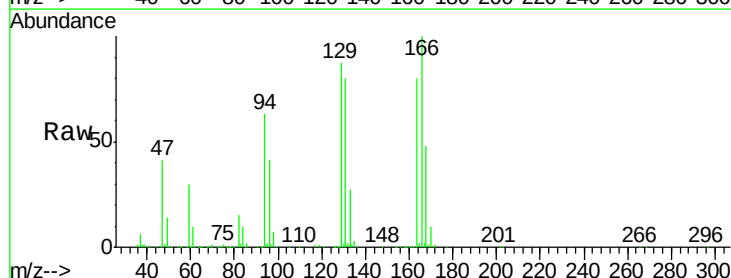
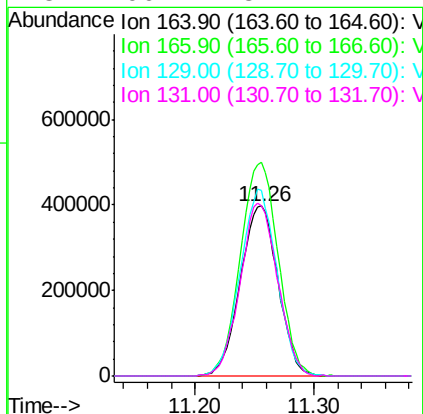
Ion Ratio Lower Upper

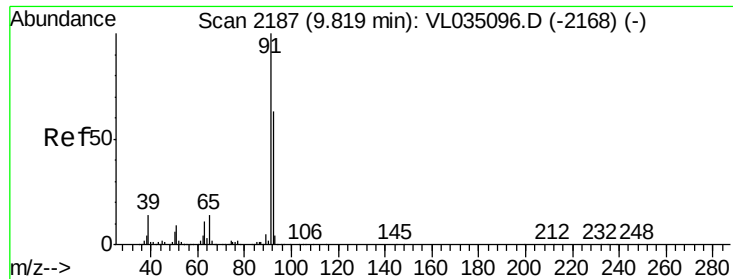
164 100

166 125.5 107.5 161.3

129 109.4 84.9 127.3

131 100.4 81.1 121.7





#53

Toluene

Concen: 10.906 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2789974

Ion Ratio Lower Upper

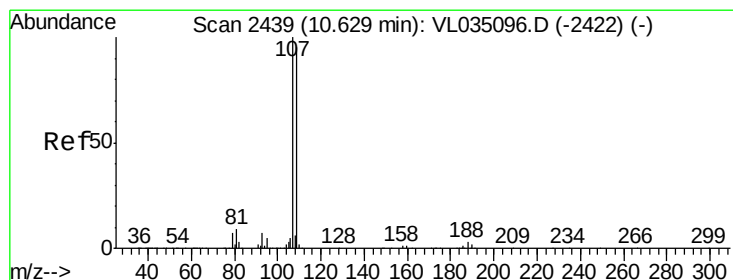
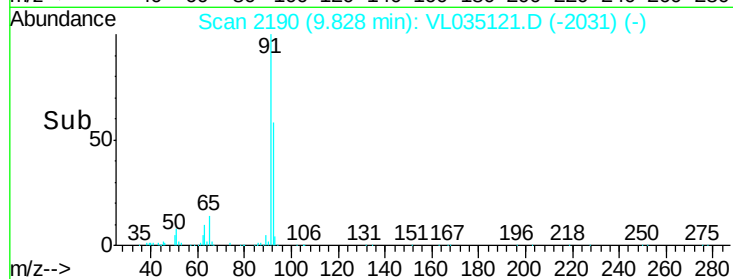
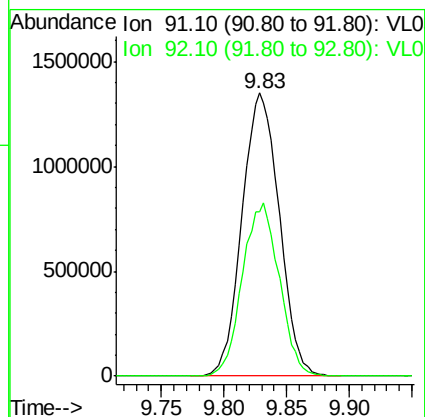
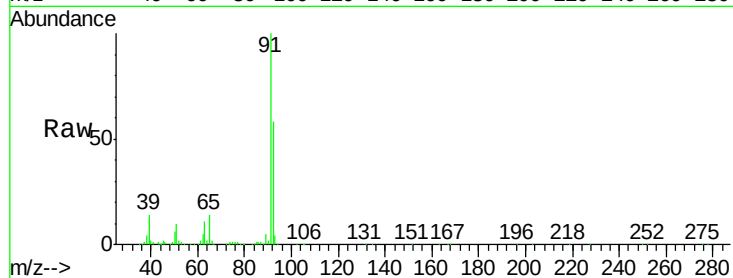
91 100

92 60.4 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 10.160 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035121.D

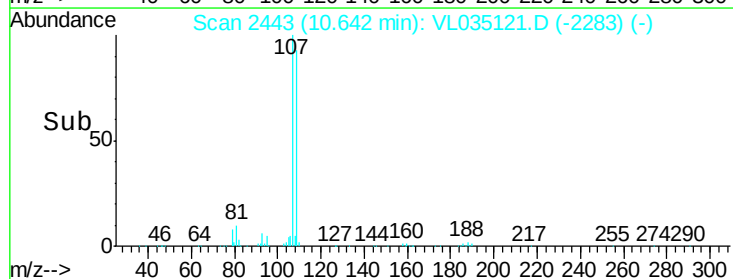
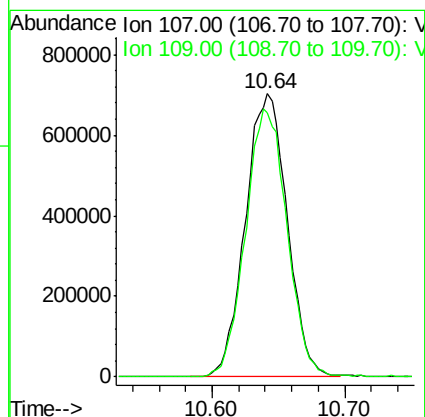
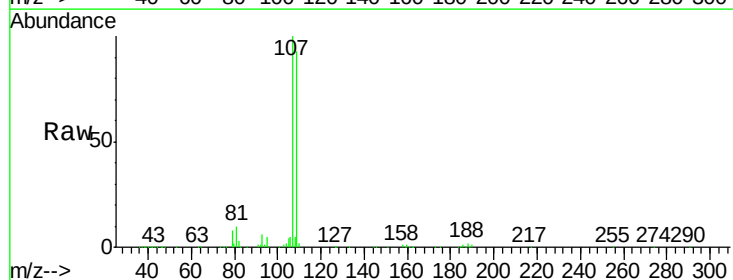
Acq: 30 Jun 2020 9:36

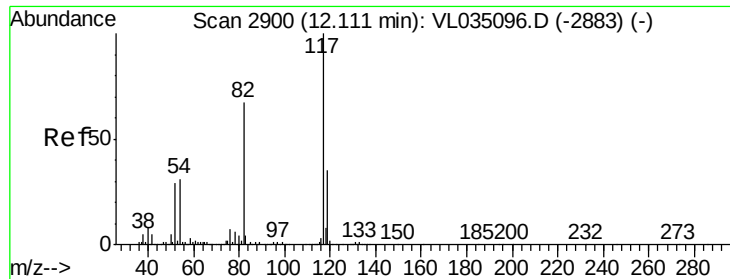
Tgt Ion: 107 Resp: 1540019

Ion Ratio Lower Upper

107 100

109 93.4 75.9 113.9





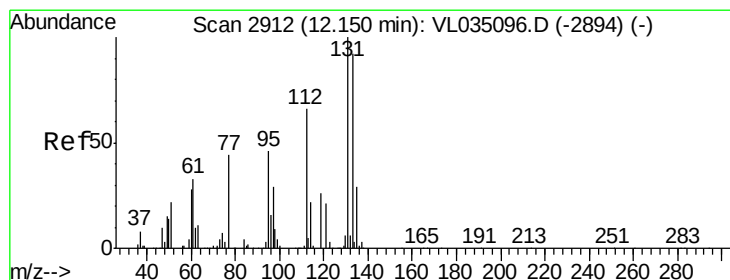
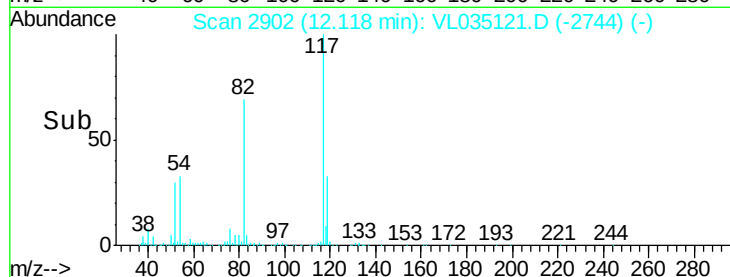
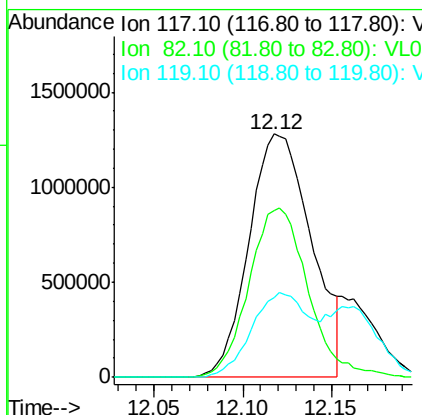
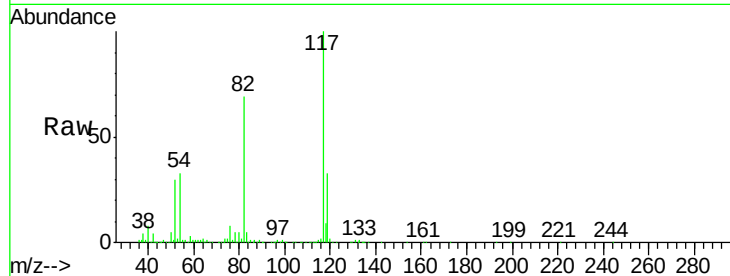
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3125372
Ion Ratio Lower Upper
117 100
82 66.2 50.4 75.6
119 34.6 25.4 38.0

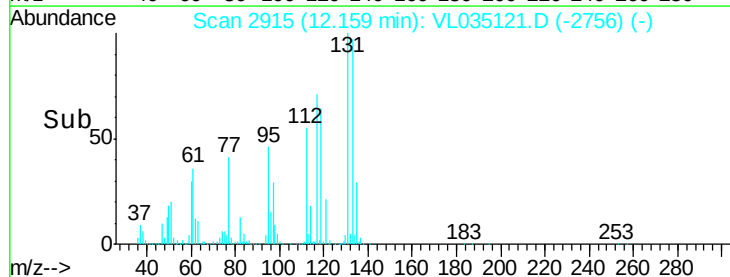
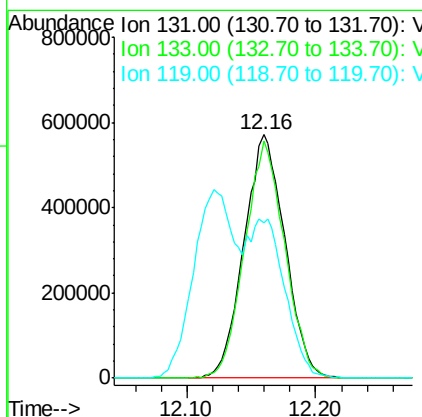
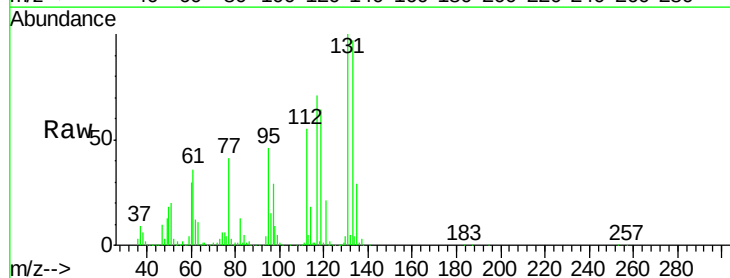
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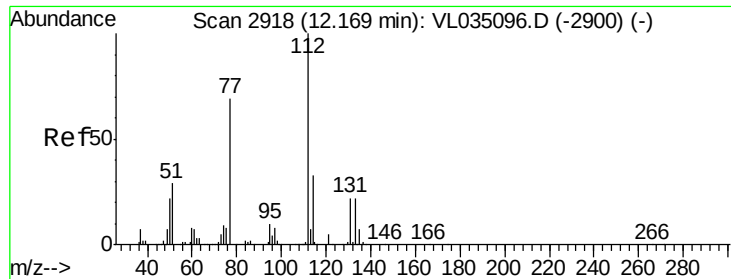
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.880 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion:131 Resp: 1263671
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 54.0 114.6 172.0#





#57

Chlorobenzene

Concen: 9.227 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2122024

Ion Ratio Lower Upper

112 100

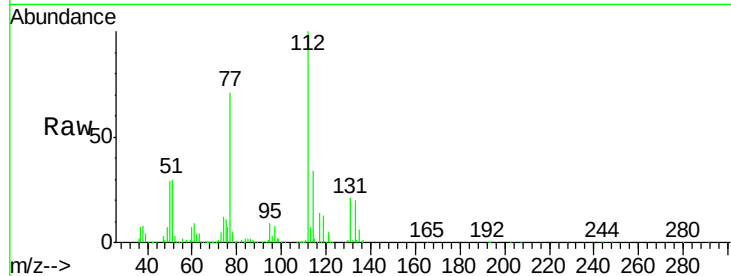
77 70.5 56.7 85.1

114 33.7 29.3 35.9

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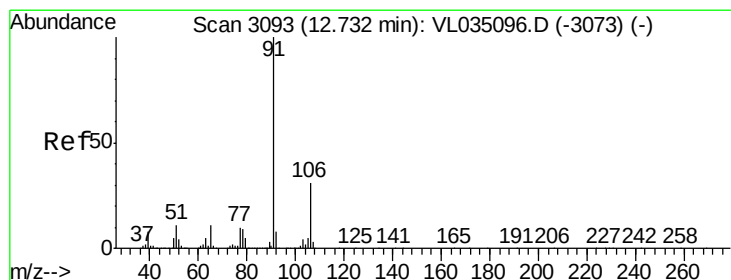
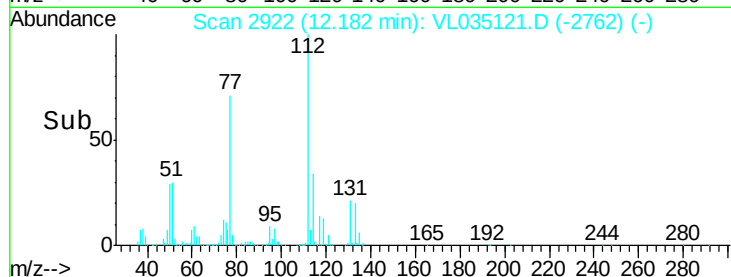
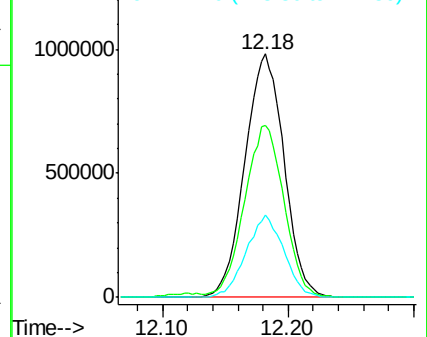
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.635 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.01 min

Lab File: VL035121.D

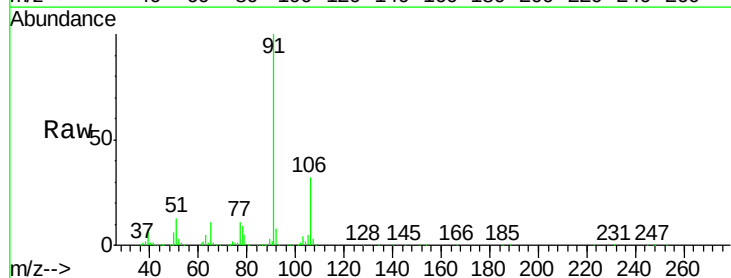
Acq: 30 Jun 2020 9:36

Tgt Ion: 91 Resp: 3734552

Ion Ratio Lower Upper

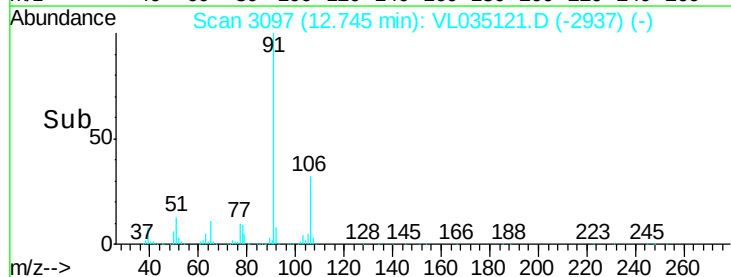
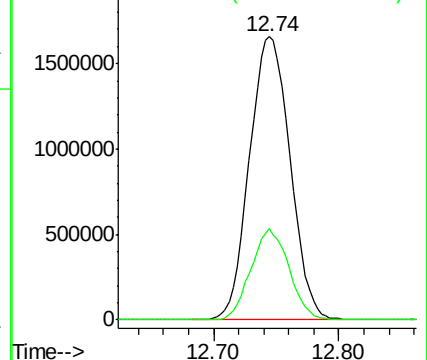
91 100

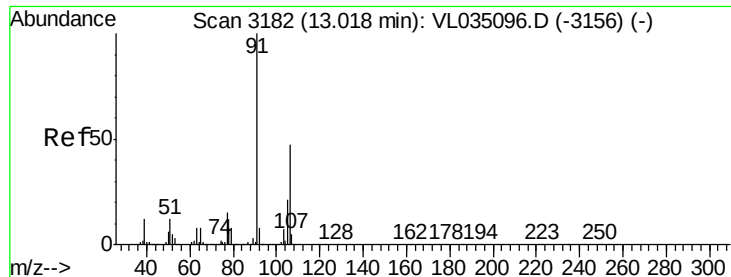
106 32.3 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





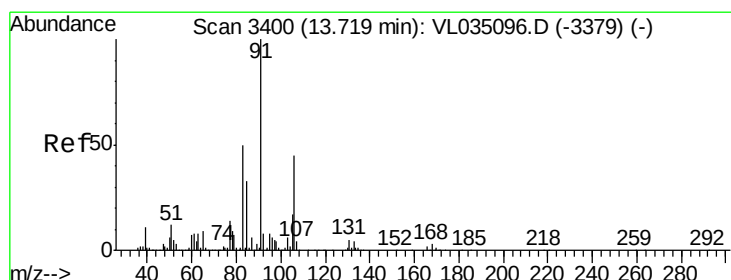
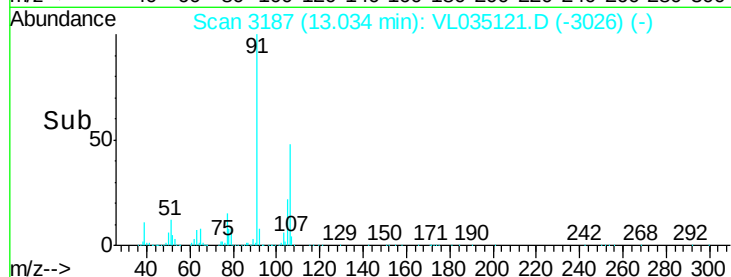
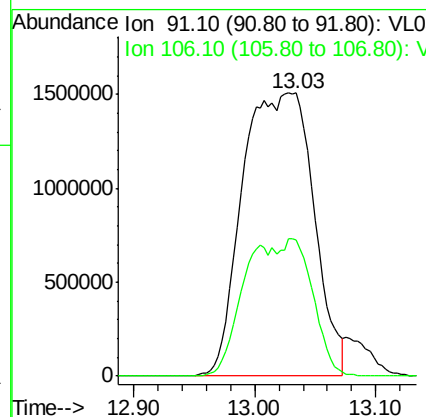
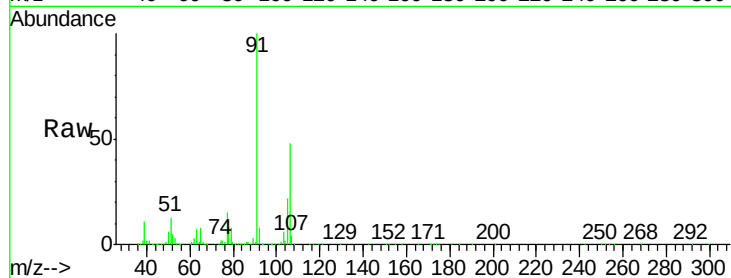
#59
m/p-Xylene
Concen: 19.720 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.02 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6137103
Ion Ratio Lower Upper
91 100
106 0.0 36.5 54.7#

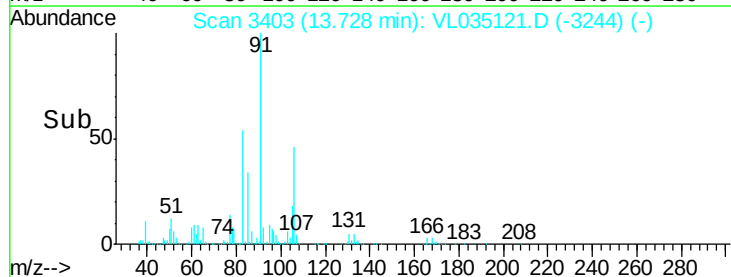
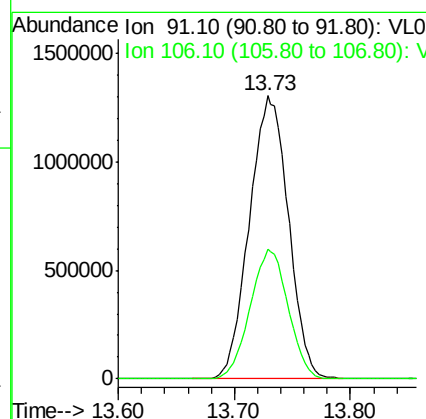
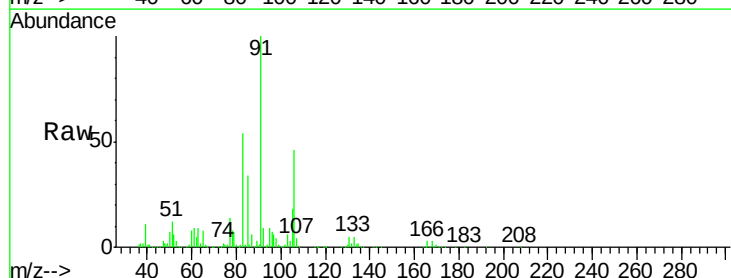
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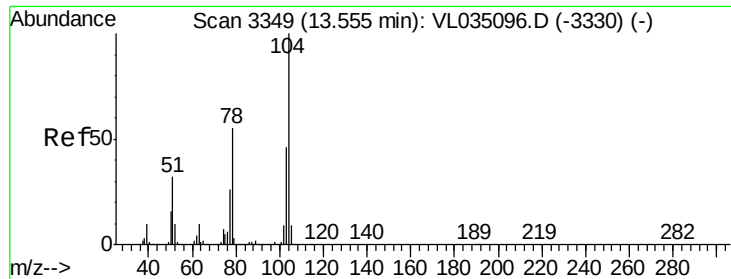
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#60
o-Xylene
Concen: 9.834 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 91 Resp: 3046972
Ion Ratio Lower Upper
91 100
106 44.6 22.1 66.5





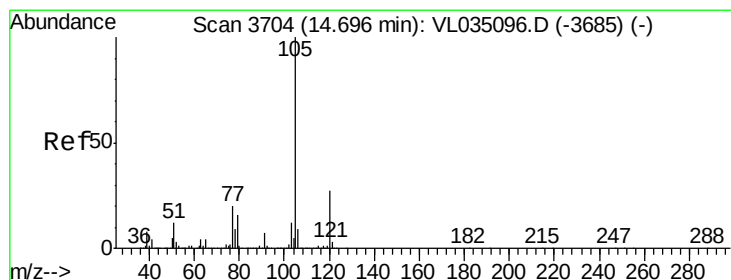
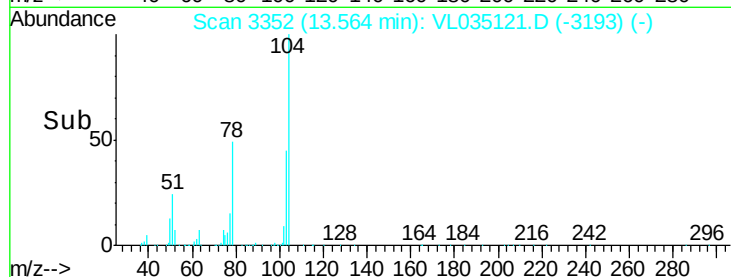
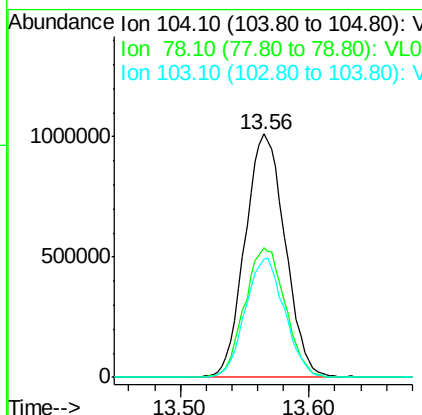
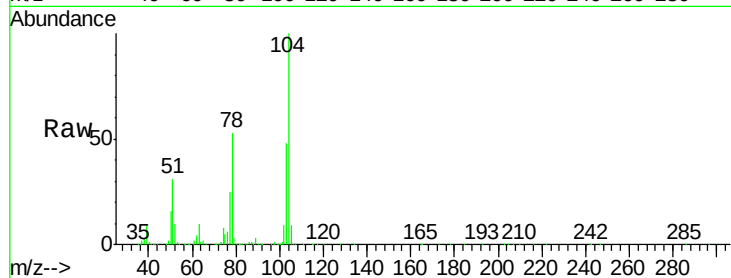
#61
Stvrene
Concen: 11.264 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.4	65.0
103	48.0	38.3	57.5

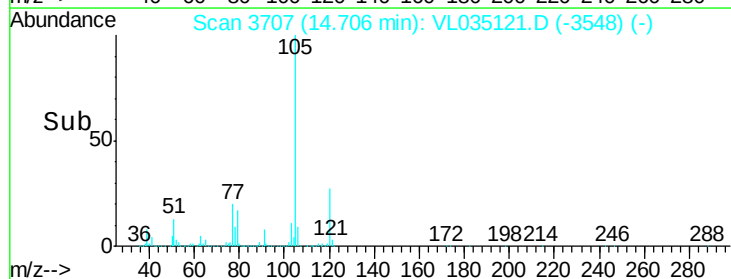
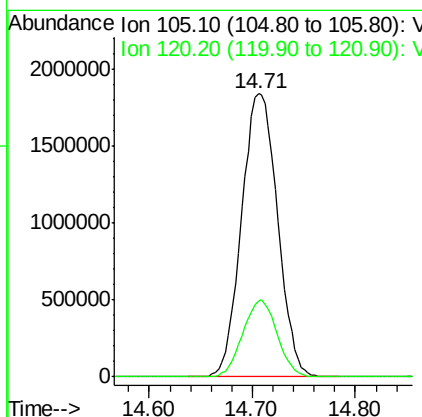
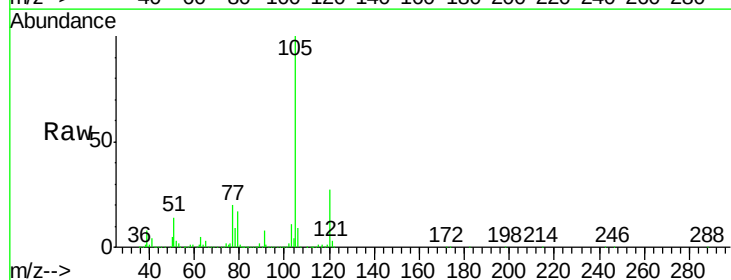
Manual Integrations
APPROVED

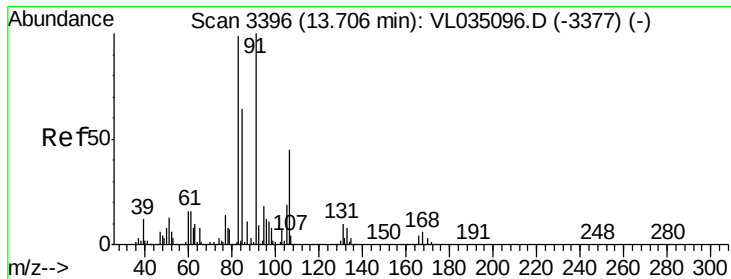
MMDadoda
7/2/2020 5:00:24 PM



#62
Isopropylbenzene
Concen: 9.658 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2





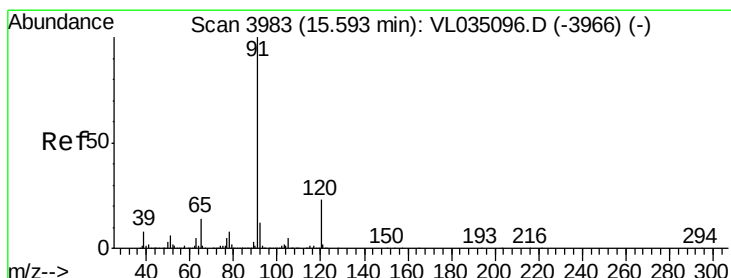
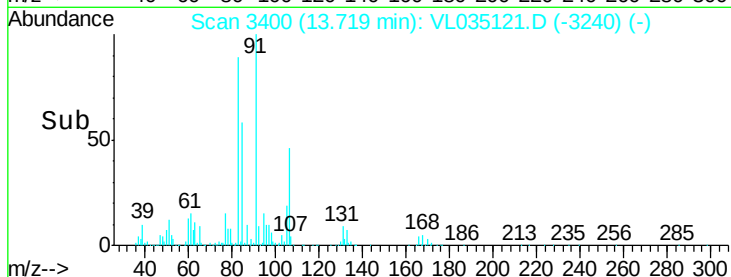
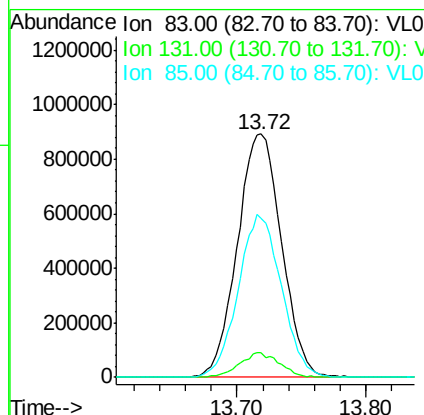
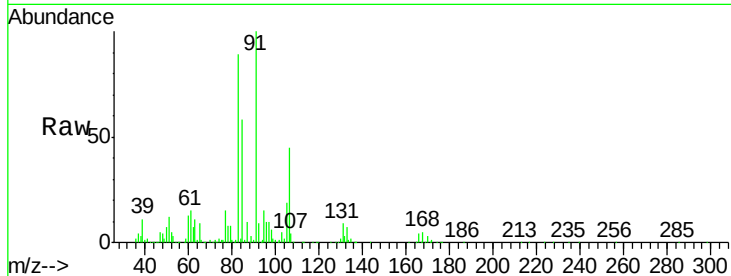
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.454 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 2121390
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.6 32.4 97.0

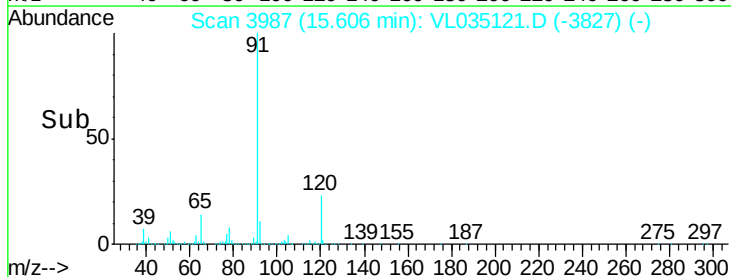
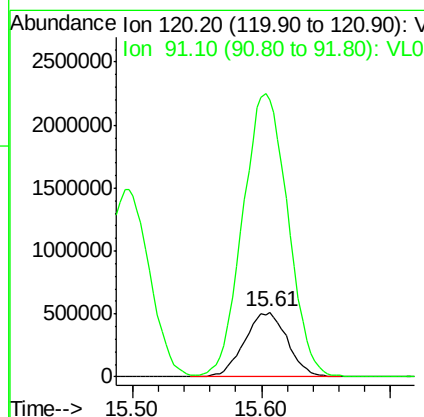
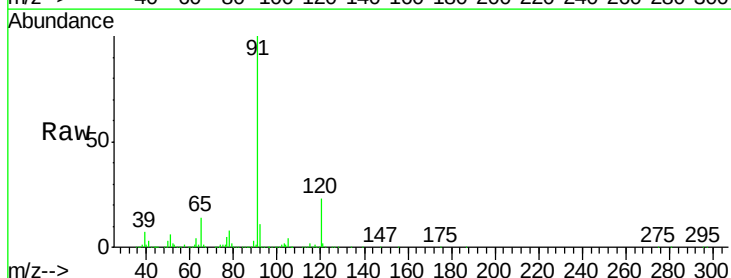
Manual Integrations
 APPROVED

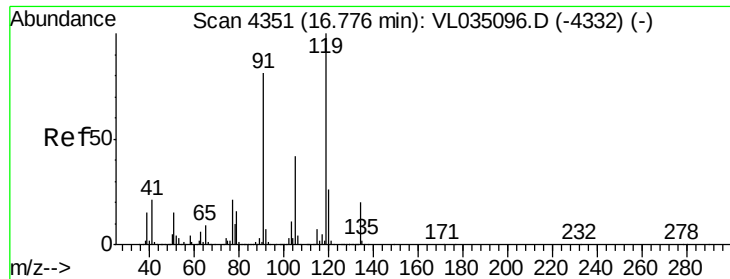
MMDadoda
 7/2/2020 5:00:24 PM



#64
 n-propylbenzene
 Concen: 10.041 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion:120 Resp: 1184674
 Ion Ratio Lower Upper
 120 100
 91 463.5 367.9 551.9





#65

tert-Butylbenzene

Concen: 9.828 ppbv

RT: 16.79 min Scan# 4351

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3890929

Ion Ratio Lower Upper

119 100

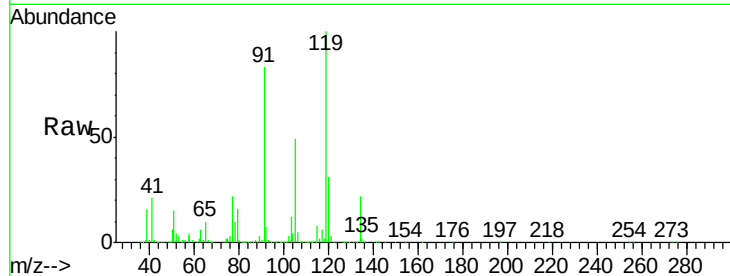
91 84.4 67.6 101.4

134 20.0 15.7 23.5

Manual Integrations
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MMDadoda

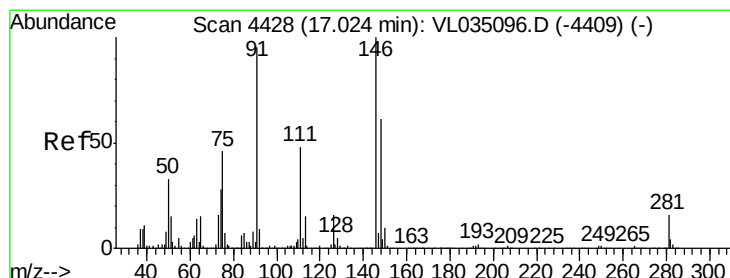
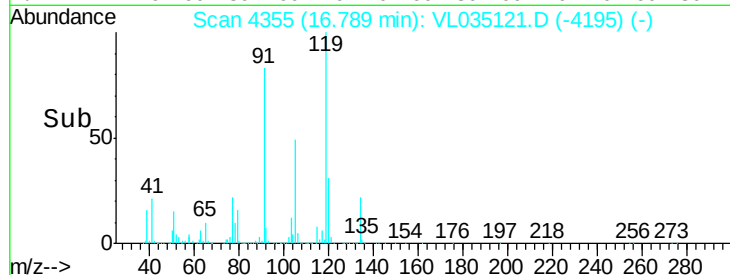
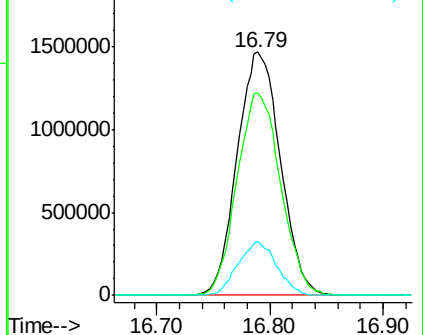
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.285 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

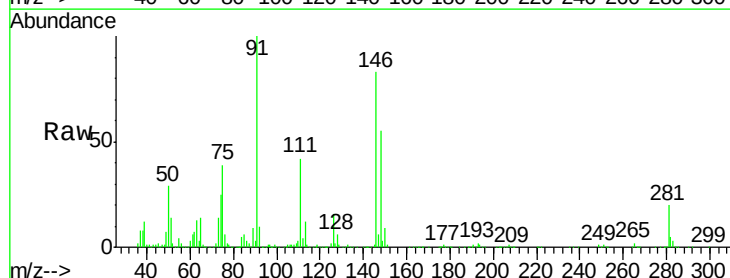
Tgt Ion: 91 Resp: 1624747

Ion Ratio Lower Upper

91 100

126 16.7 13.5 20.3

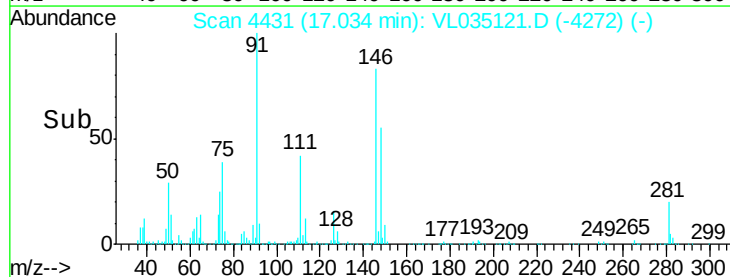
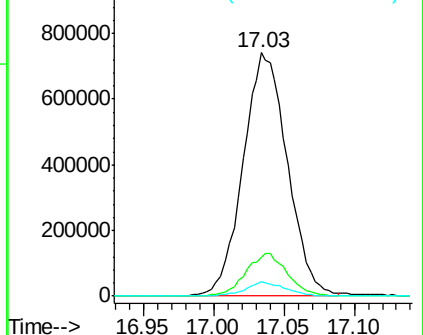
128 5.4 4.3 6.5

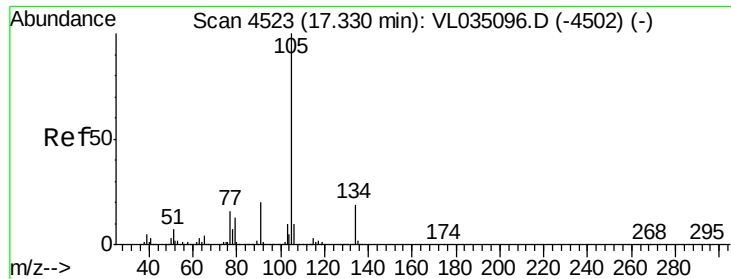


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.588 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 5440765

Ion Ratio Lower Upper

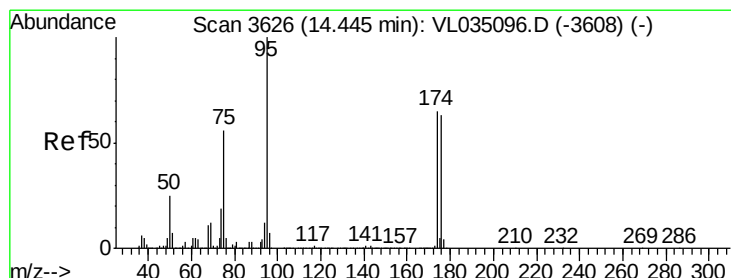
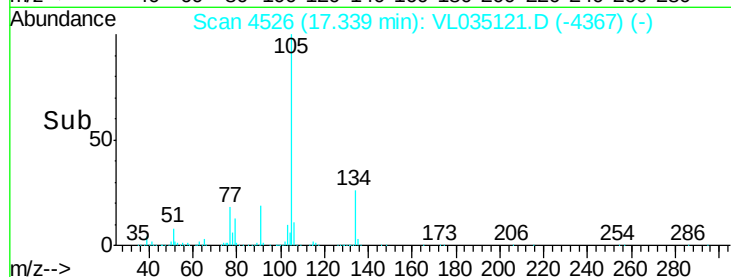
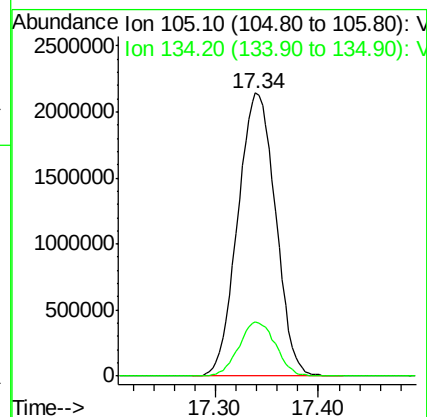
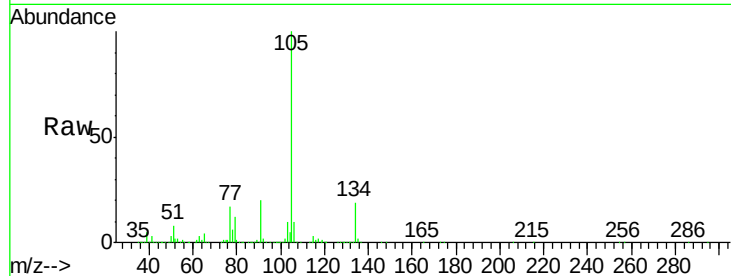
105 100

134 18.6 14.7 22.1

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.712 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

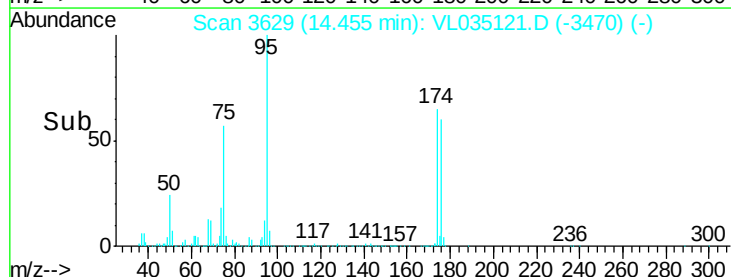
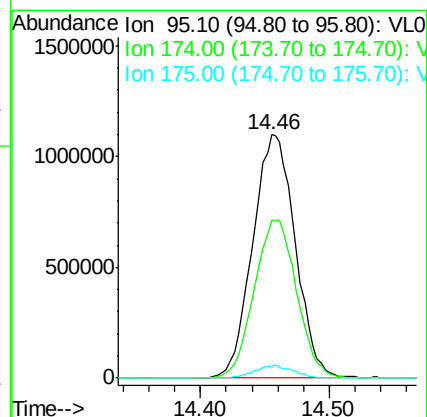
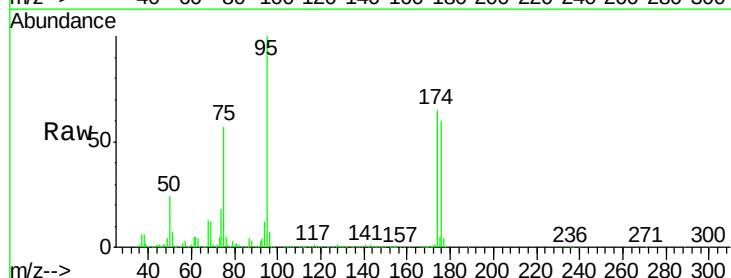
Tgt Ion: 95 Resp: 2521529

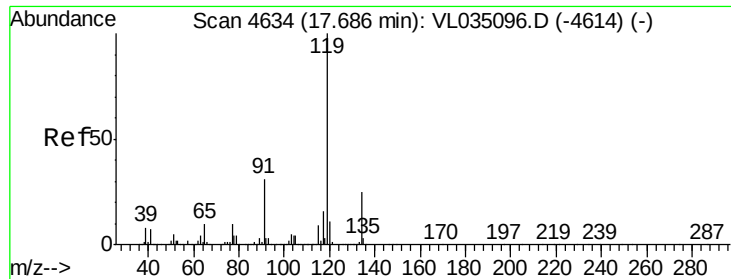
Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.2

175 4.8 4.0 6.0





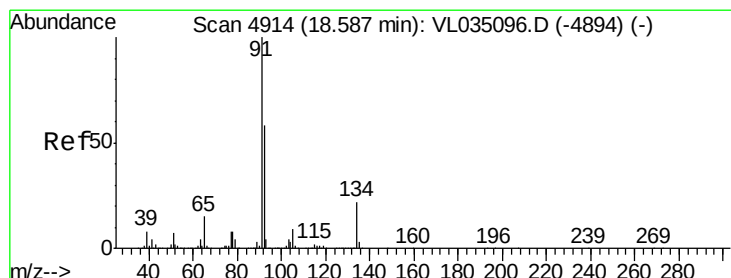
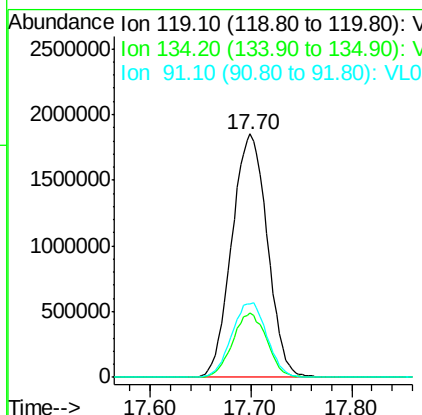
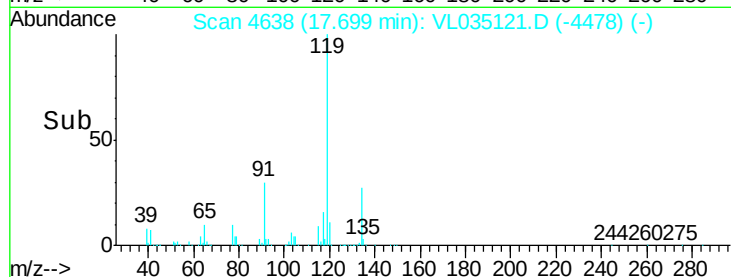
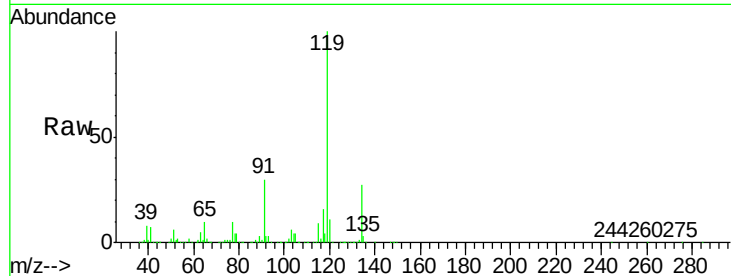
#69
 p-Isopropyltoluene
 Concen: 9.978 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	30.7	24.5	36.7

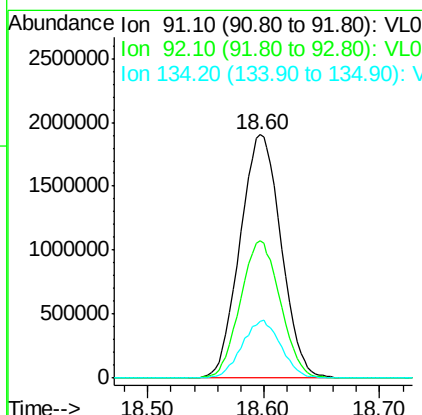
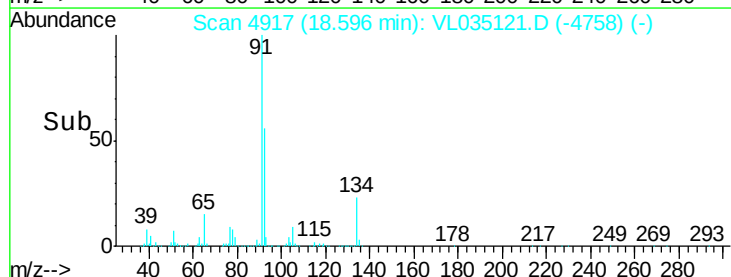
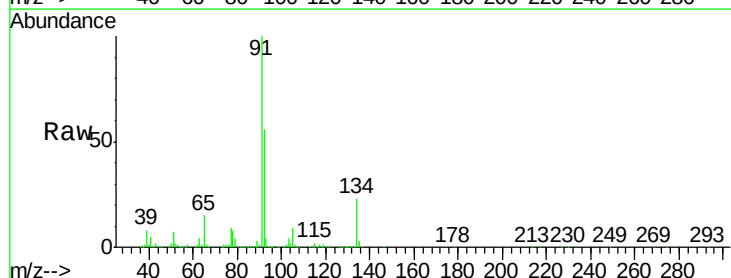
Manual Integrations
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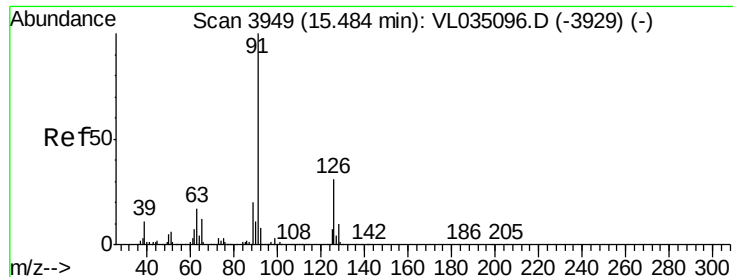
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.605 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

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





#71

2-Chlorotoluene

Concen: 9.867 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3448219

Ion Ratio Lower Upper

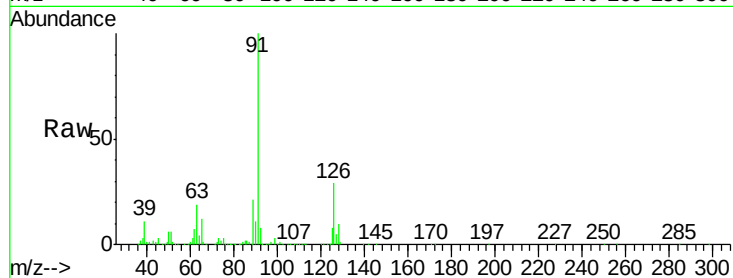
91 100

126 30.1 12.0 48.0

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

1000000

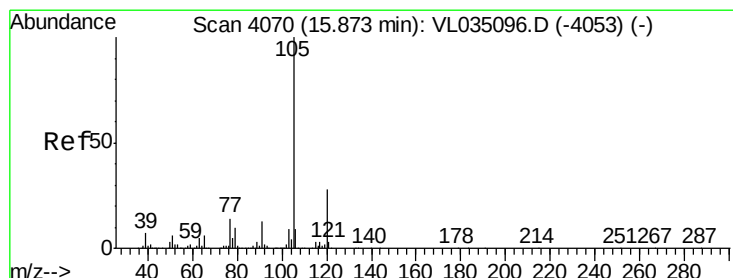
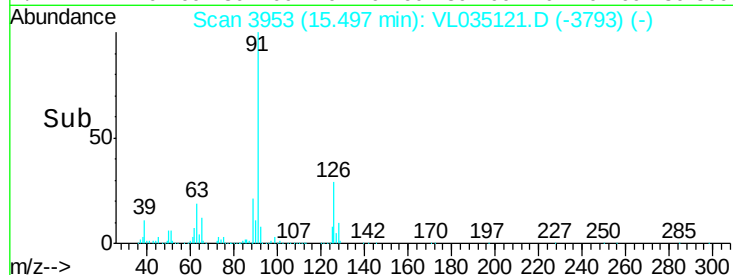
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 10.349 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion: 105 Resp: 3566960

Ion Ratio Lower Upper

105 100

120 30.2 23.4 35.0

91 13.6 10.6 16.0

77 14.5 11.3 16.9

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

2000000

1500000

1000000

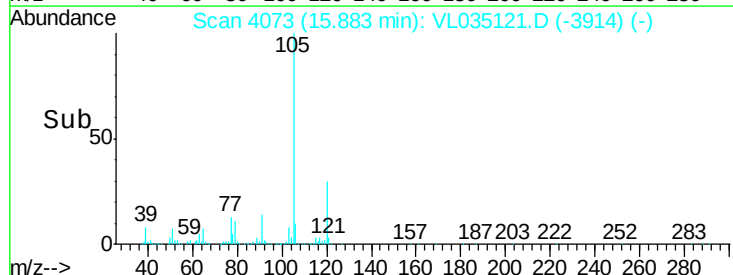
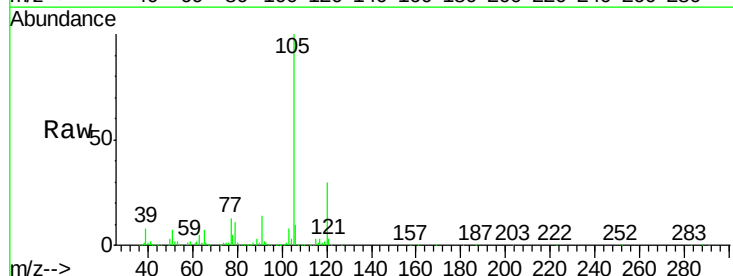
500000

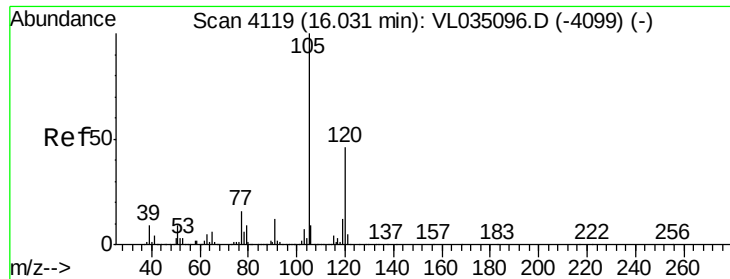
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 10.112 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3294642

Ion Ratio Lower Upper

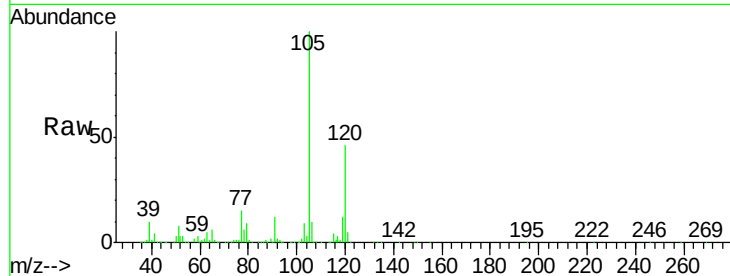
105 100

120 45.6 37.0 55.6

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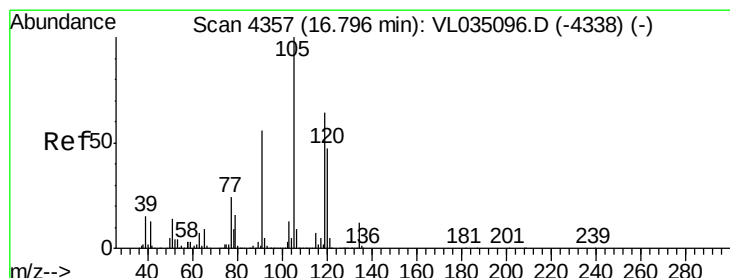
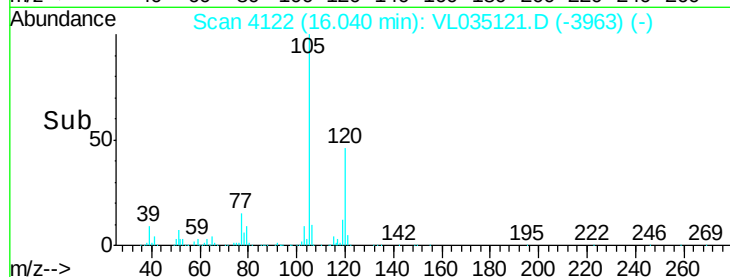
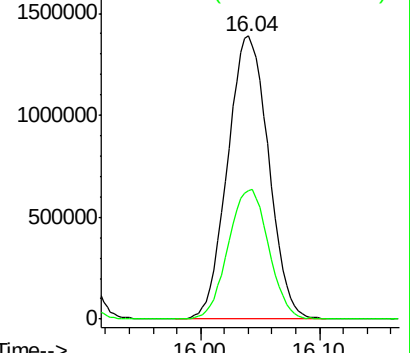
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.340 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:105 Resp: 3396339

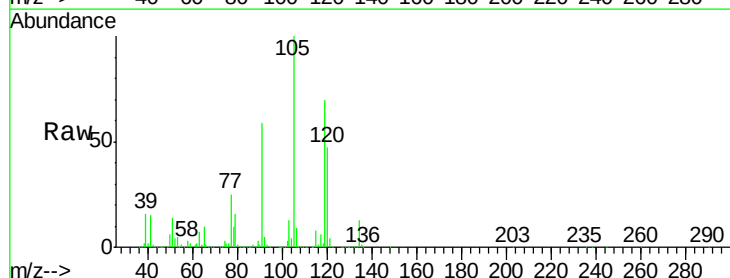
Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9

91 58.3 46.0 69.0

77 24.7 19.4 29.2

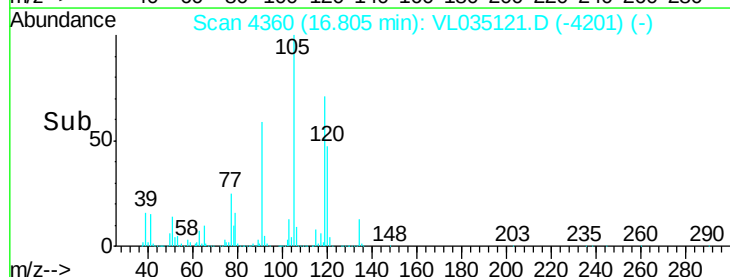
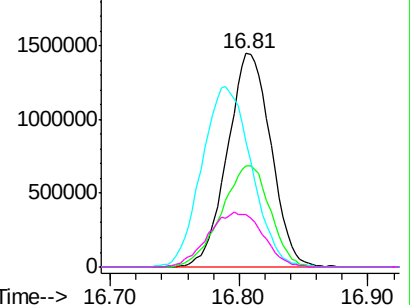


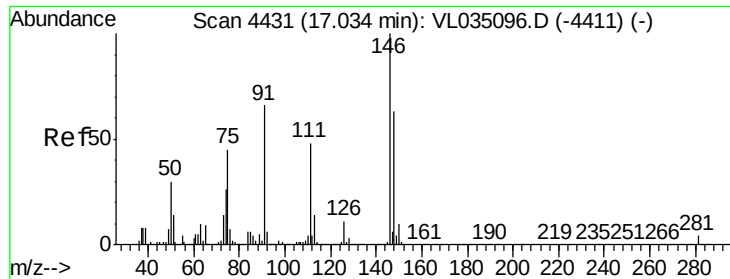
Abundance Ion 105.10 (104.80 to 105.80): V

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





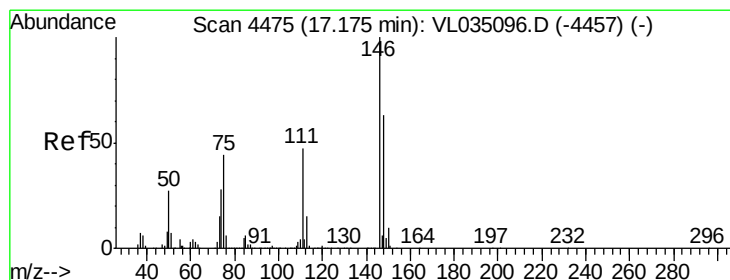
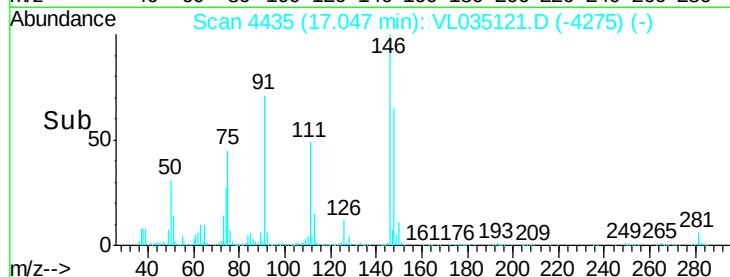
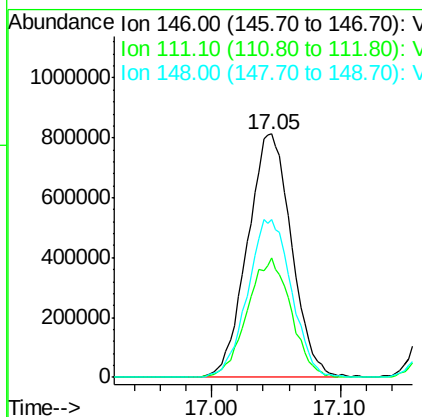
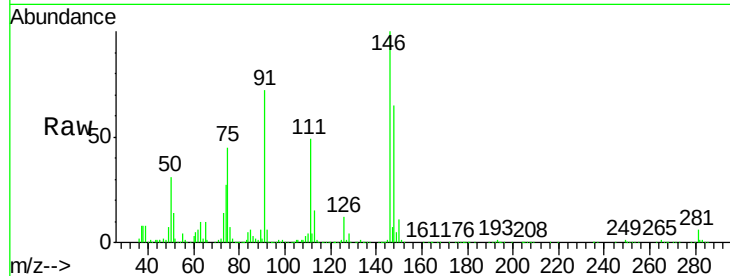
#75
 1,3-Dichlorobenzene
 Concen: 8.880 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1926994
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.1 72.4
 148 65.0 32.3 96.8

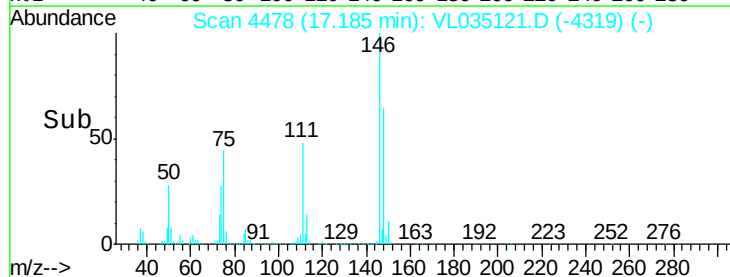
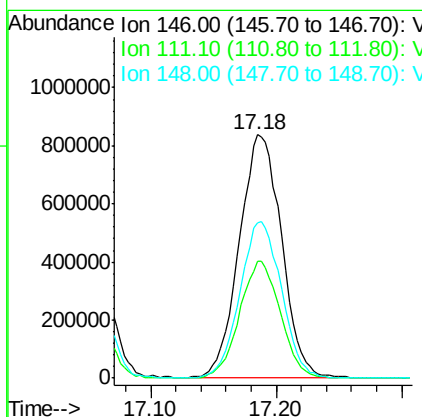
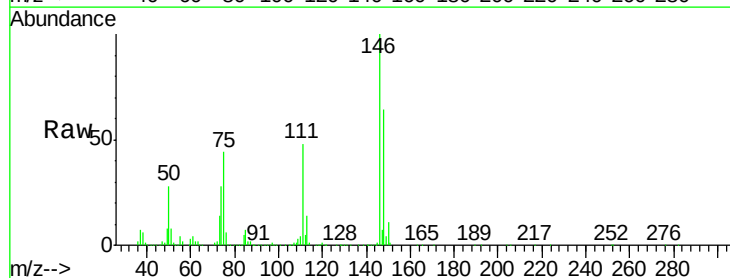
Manual Integrations
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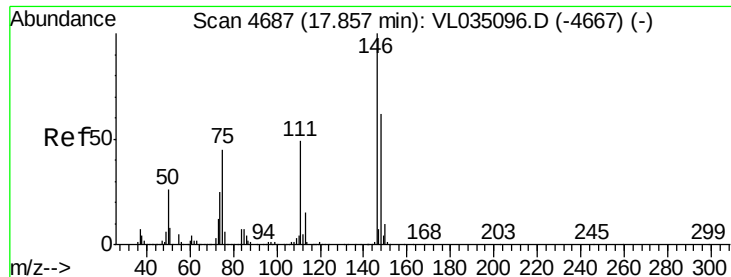
MMDadoda
 7/2/2020 5:00:24 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.401 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion:146 Resp: 1951587
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.5 70.5
 148 63.9 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 9.243 ppbv m

RT: 17.87 min Scan# 4691

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1835376

Ion Ratio Lower Upper

146 100

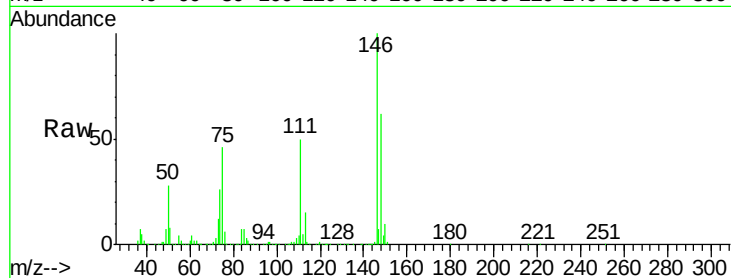
111 49.8 25.0 75.0

148 0.0 32.3 96.8#

Manual Integrations
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MMDadoda

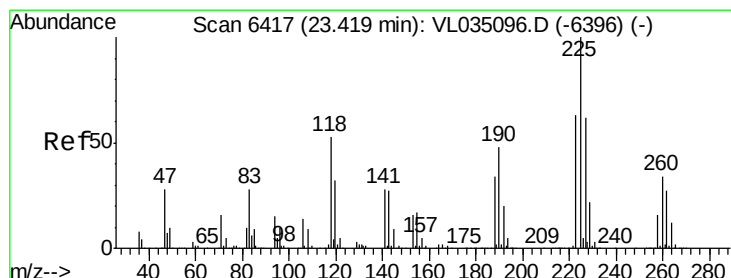
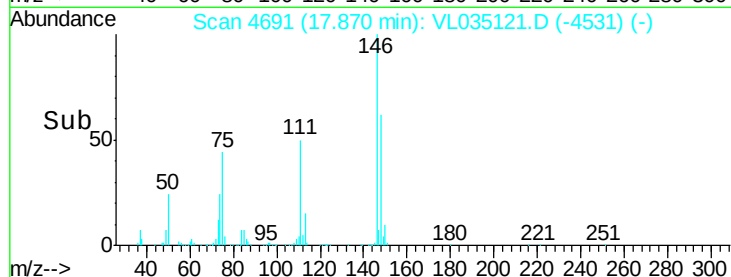
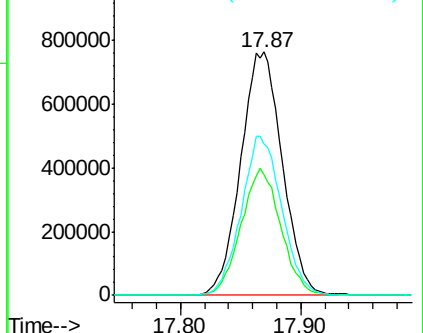
7/2/2020 5:00:24 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.734 ppbv

RT: 23.43 min Scan# 6420

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

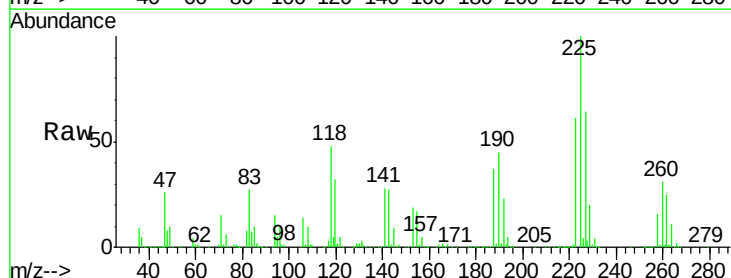
Tgt Ion:225 Resp: 1558864

Ion Ratio Lower Upper

225 100

223 63.5 51.4 77.0

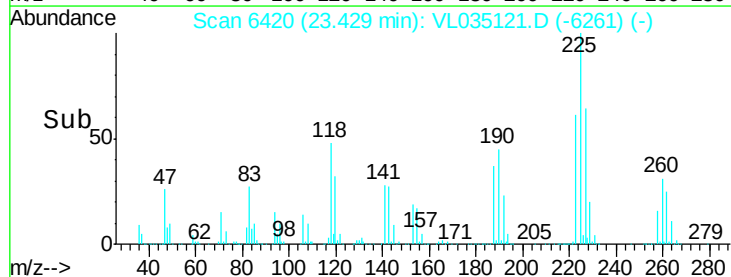
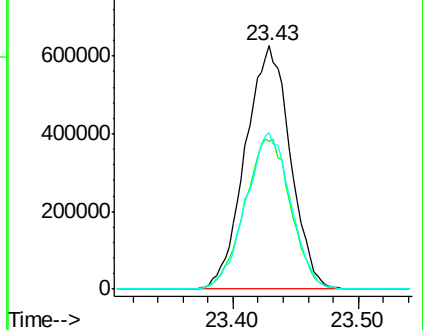
227 64.2 51.8 77.8

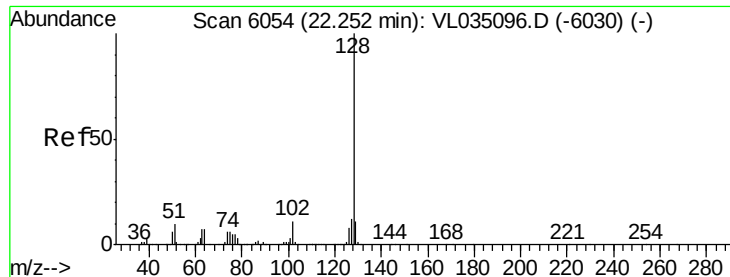


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





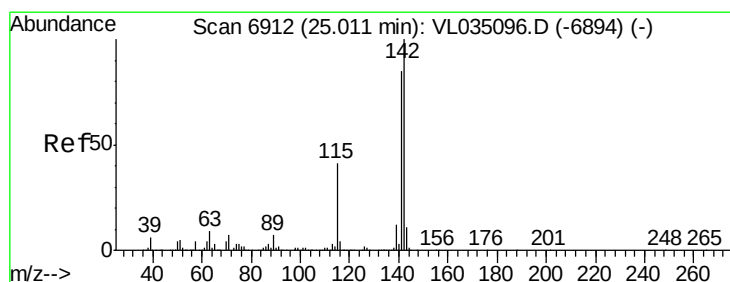
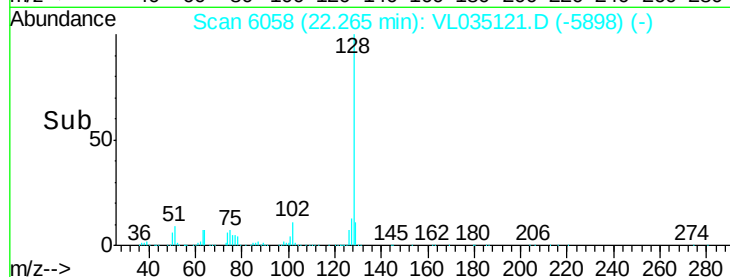
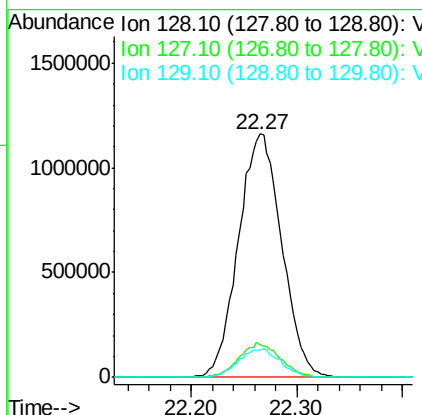
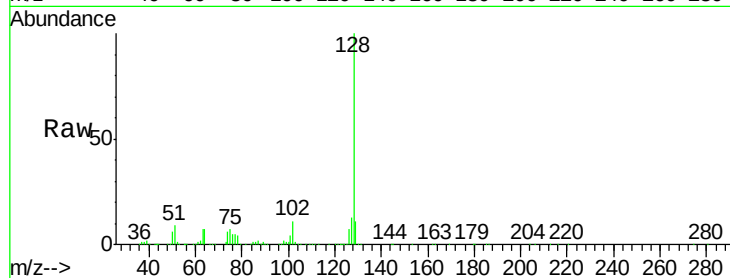
#79
Naphthalene
Concen: 10.364 ppbv
RT: 22.27 min Scan# 6058
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	11.2	9.0	13.4

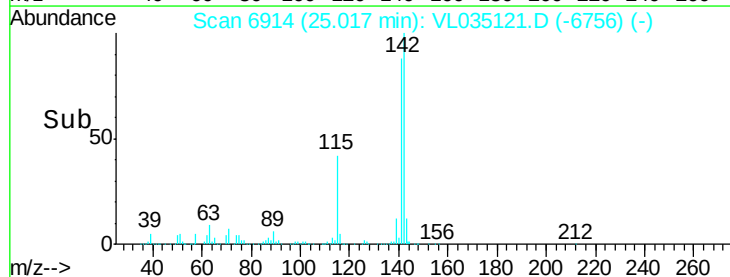
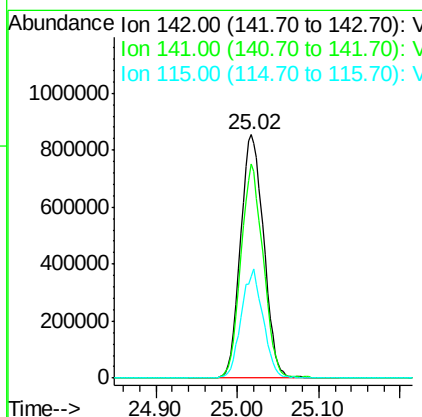
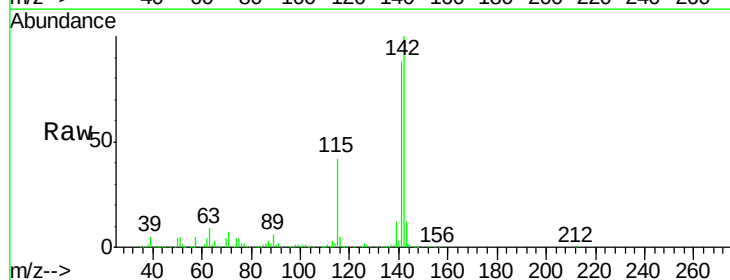
Manual Integrations
APPROVED

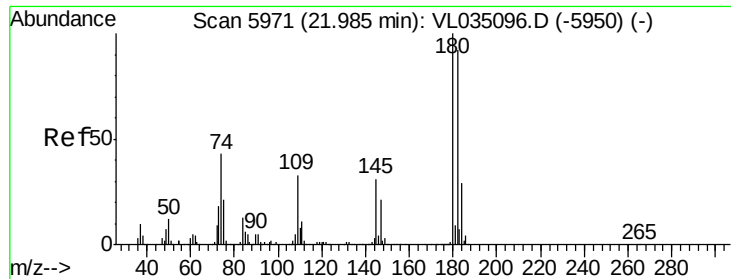
MMDadoda
7/2/2020 5:00:24 PM



#80
Naphthalene, 2-methyl-
Concen: 13.714 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.5	101.3
115	42.2	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.629 ppbv
 RT: 21.99 min Scan# 5974
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.9	116.9
184	31.6	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:00:24 PM

