

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036431.D
 Acq On : 2 Mar 2021 16:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:38 PM

Quant Time: Mar 03 04:05:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1581121	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	3695663	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3438687m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2884504	10.20	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1897279	8.040 ppbv	99
3) Chlorodifluoromethane	2.97	51	1777442	9.048 ppbv	99
4) Chloromethane	3.13	50	868242	9.148 ppbv	99
5) Vinyl Chloride	3.24	62	839910	9.503 ppbv	98
6) Bromomethane	3.46	94	494556	9.415 ppbv	94
7) Chloroethane	3.55	64	299852	9.555 ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1986740	9.257 ppbv	99
9) Propene	3.00	41	802416	10.955 ppbv	99
10) Heptane	8.11	43	2086759	9.667 ppbv	100
11) Trichlorofluoromethane	3.94	101	2123126	9.188 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1330632	9.296 ppbv	100
13) Ethanol	3.59	45	112454m	8.174 ppbv	
14) Bromoethene	3.73	108	571488	9.540 ppbv	99
15) Acetone	3.84	43	1677475	8.679 ppbv	98
16) 1,3-Butadiene	3.31	39	844944	9.143 ppbv	99
17) tert-Butyl alcohol	4.28	59	1389076	9.259 ppbv	100
18) 1,1-Dichloroethene	4.28	96	582685	8.958 ppbv	99
19) Isopropyl Alcohol	3.96	45	910174	8.500 ppbv	# 95
20) Methylene Chloride	4.33	84	500362	8.025 ppbv	96
21) Allyl Chloride	4.40	41	936198	8.700 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	554244	9.380 ppbv	98
23) Vinyl Acetate	5.06	43	2184690	9.614 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1532783	9.120 ppbv	99
25) Ethyl Acetate	5.66	43	3435818	9.208 ppbv	99
26) Hexane	5.68	57	1401538	9.142 ppbv	99
27) Carbon Disulfide	4.54	76	1462005	10.376 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1868747	9.331 ppbv	100
29) Chloroform	5.74	83	2290802	9.275 ppbv	99
30) Cyclohexane	7.12	84	1189350	9.328 ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1408368	9.284 ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2193765	9.501 ppbv	99
34) 2-Butanone	5.23	43	2218408	9.035 ppbv	100
35) Carbon Tetrachloride	7.01	117	2268076	9.157 ppbv	95
36) Benzene	6.88	78	2925615	9.319 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1728849	8.907 ppbv	100
38) Trichloroethene	7.83	130	1004094	8.928 ppbv	95
39) 1,2-Dichloropropane	7.61	63	1179536	9.249 ppbv	97
40) 1,4-Dioxane	7.82	88	389203	8.809 ppbv	# 85
41) Tetrahydrofuran	6.04	42	1262984	9.217 ppbv	99
42) Bromodichloromethane	7.78	83	2428305	9.341 ppbv	99
43) Methyl Methacrylate	8.00	69	1300053	9.819 ppbv	100

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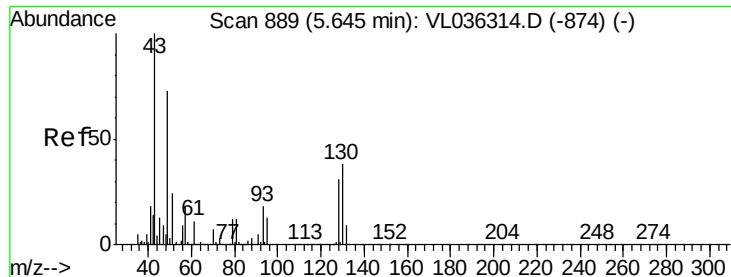
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5056535	8.858	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1370371	10.730	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1672632	10.310	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1180367	9.044	ppbv	96
48) Dibromochloromethane	10.30	129	1908308	9.799	ppbv	100
49) Bromoform	13.03	173	1556879	9.889	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3411248	9.358	ppbv	99
51) 2-Hexanone	10.12	43	2790768	10.076	ppbv	97
52) Tetrachloroethene	11.21	164	946812	8.238	ppbv	95
53) Toluene	9.80	91	3265249	9.602	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1731851	9.183	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1439253	9.100	ppbv	98
57) Chlorobenzene	12.14	112	2337304	8.797	ppbv	98
58) Ethyl Benzene	12.70	91	4399538	9.343	ppbv	99
59) m/p-Xylene	12.99	91	7416829m	17.933	ppbv	
60) o-Xylene	13.68	91	3512700	8.883	ppbv	100
61) Styrene	13.52	104	2481698	10.126	ppbv	98
62) Isopropylbenzene	14.66	105	5161163	8.707	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2454880	7.868	ppbv	100
64) n-propylbenzene	15.55	120	1338794	9.177	ppbv	99
65) tert-Butylbenzene	16.74	119	4341877	8.561	ppbv	99
66) Benzyl Chloride	16.98	91	1476448	10.709	ppbv	100
67) sec-Butylbenzene	17.29	105	6254580	8.551	ppbv	99
69) p-Isopropyltoluene	17.65	119	5115802	9.051	ppbv	99
70) n-Butylbenzene	18.54	91	5430269	8.959	ppbv	99
71) 2-Chlorotoluene	15.45	91	3987168	8.775	ppbv	99
72) 4-Ethyltoluene	15.84	105	3974946	9.032	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3737406	8.761	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	3769177	8.654	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	2059348	8.711	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2038774	8.305	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2058552	8.778	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1647713	8.600	ppbv	100
79) Naphthalene	22.19	128	3256238m	12.613	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	848902	17.759	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1678429m	10.656	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1581121

Ion Ratio Lower Upper

49 100

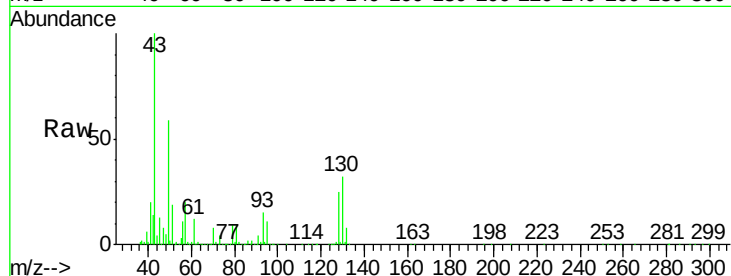
128 43.4 20.8 62.5

130 56.3 26.7 80.1

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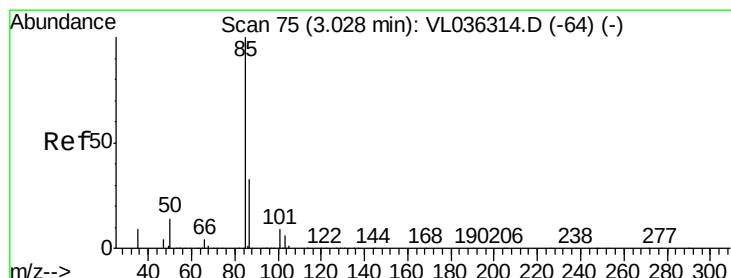
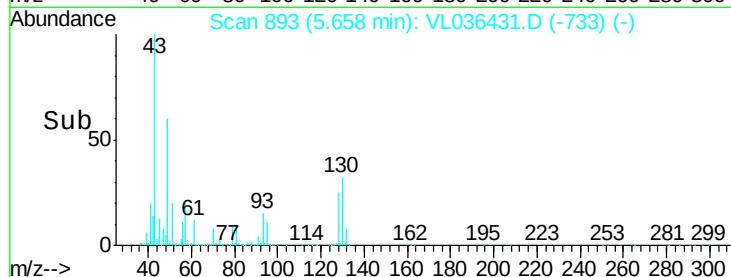
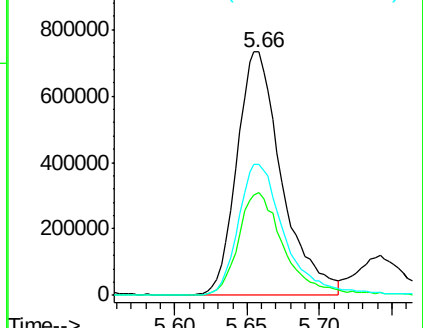
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.040 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036431.D

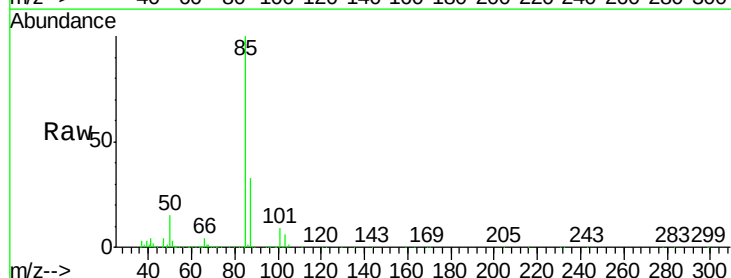
Acq: 2 Mar 2021 16:20

Tgt Ion: 85 Resp: 1897279

Ion Ratio Lower Upper

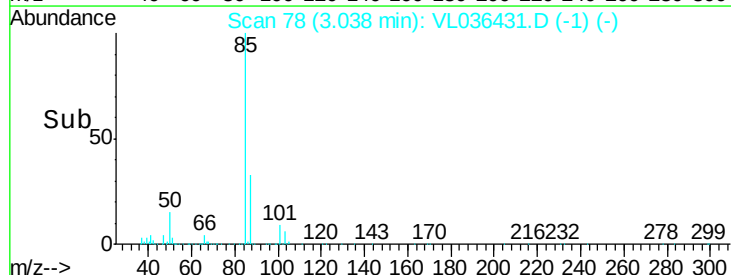
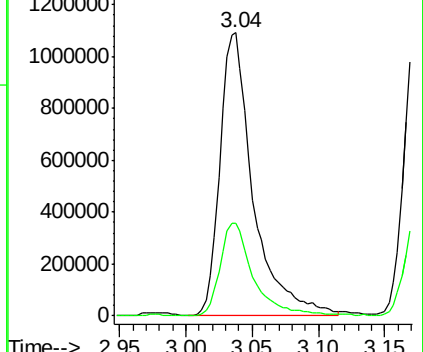
85 100

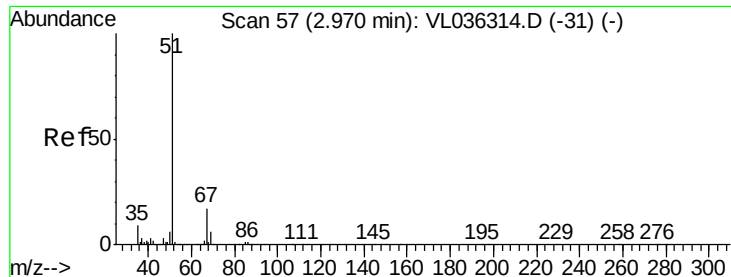
87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.048 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Tot Ion: 51 Resp: 1777442

Ion Ratio Lower Upper

51 100

67 17.9 14.7 22.1

Instrument :

MSVOA_L

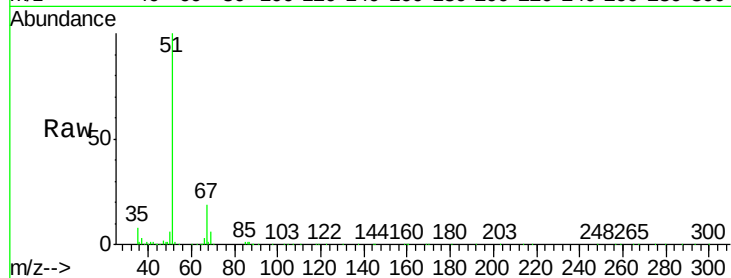
ClientSampleId :

VSTDCCC010EC

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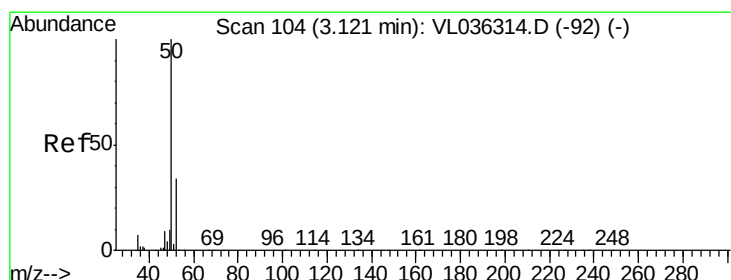
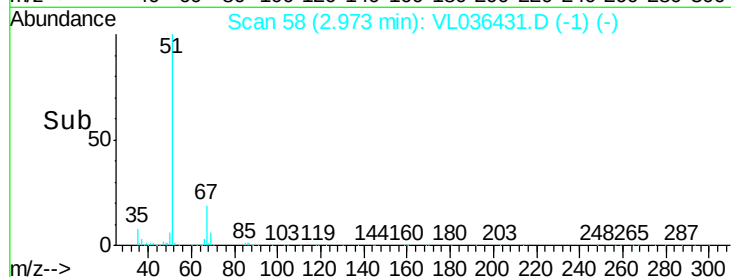
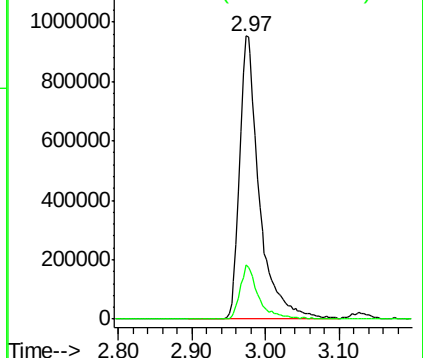
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.148 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL036431.D

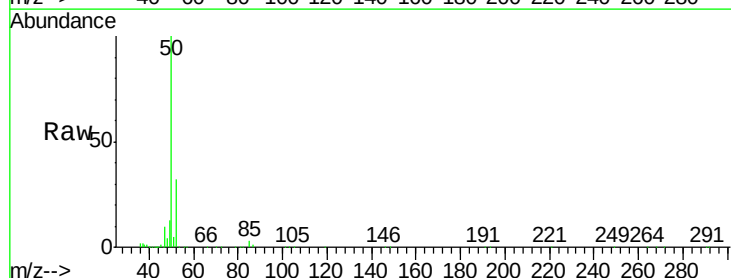
Acq: 2 Mar 2021 16:20

Tgt Ion: 50 Resp: 868242

Ion Ratio Lower Upper

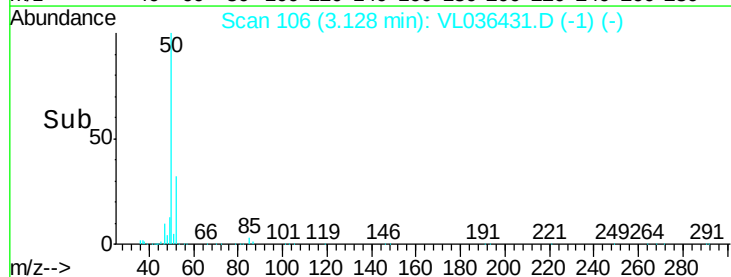
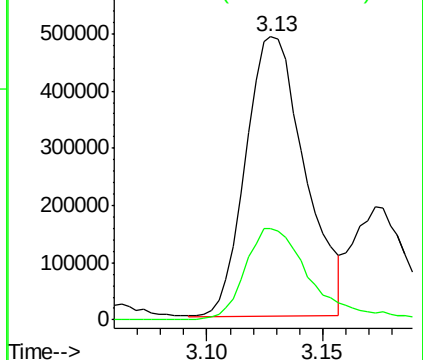
50 100

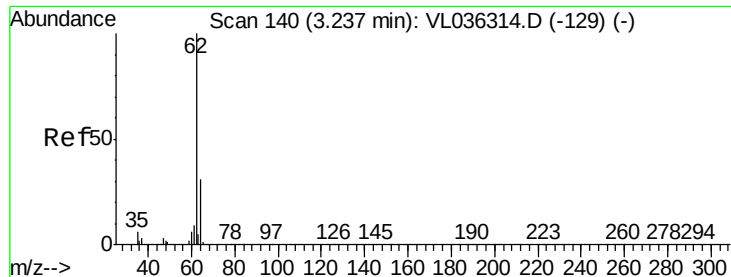
52 32.9 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.503 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 839910

Ion Ratio Lower Upper

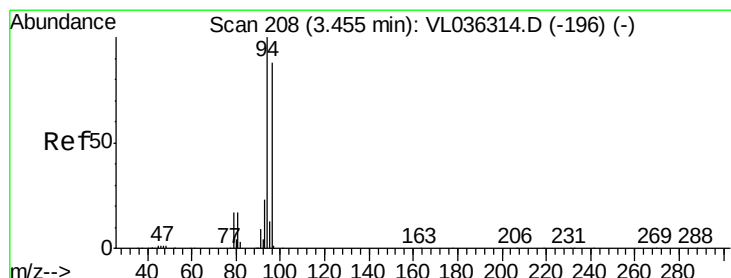
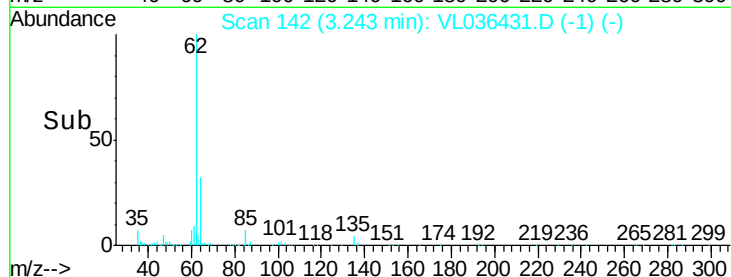
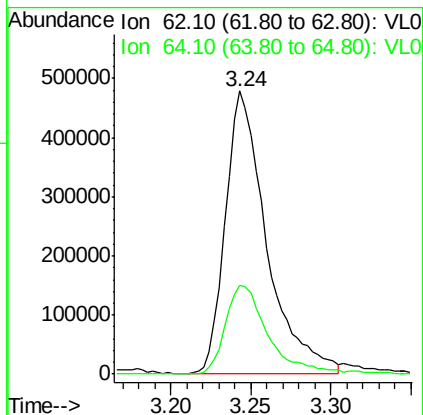
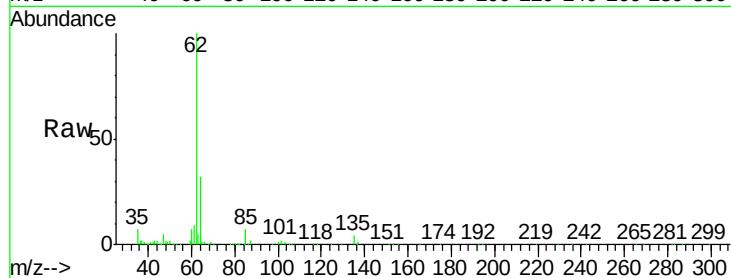
62 100

64 31.5 24.4 36.6

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#6

Bromomethane

Concen: 9.415 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036431.D

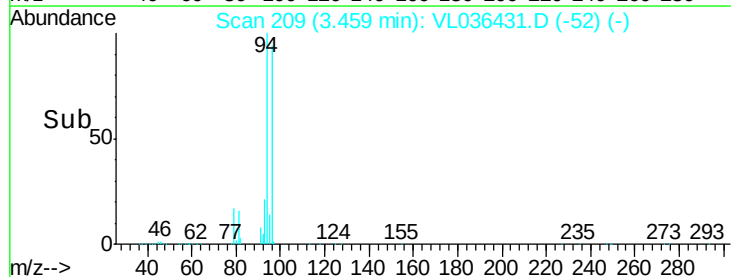
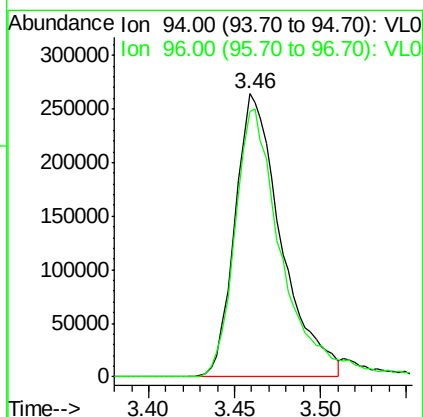
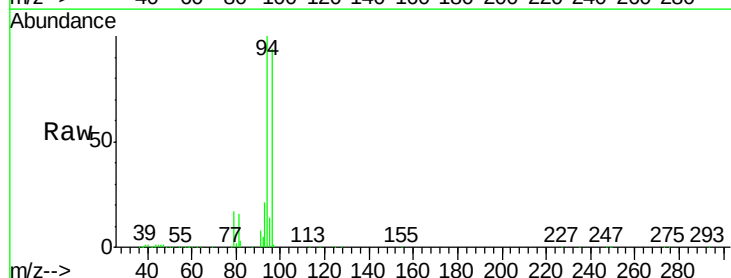
Acq: 2 Mar 2021 16:20

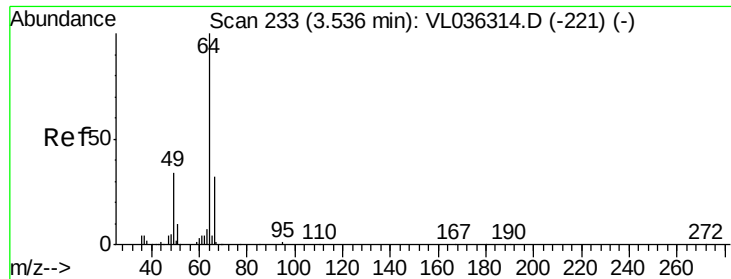
Tgt Ion: 94 Resp: 494556

Ion Ratio Lower Upper

94 100

96 93.8 70.8 106.2





#7

Chloroethane

Concen: 9.555 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 299852

Ion Ratio Lower Upper

64 100

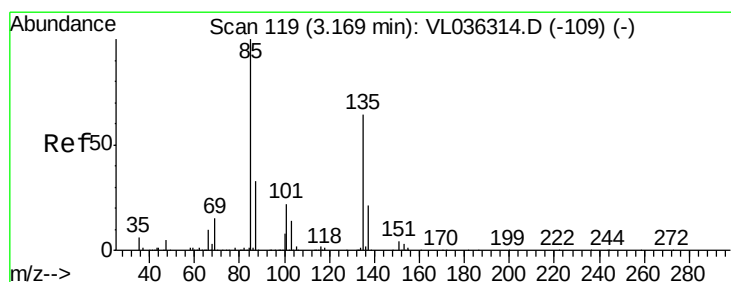
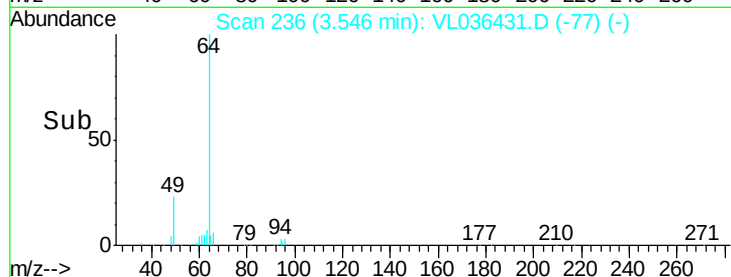
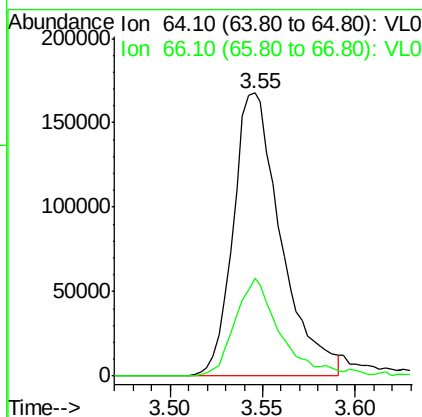
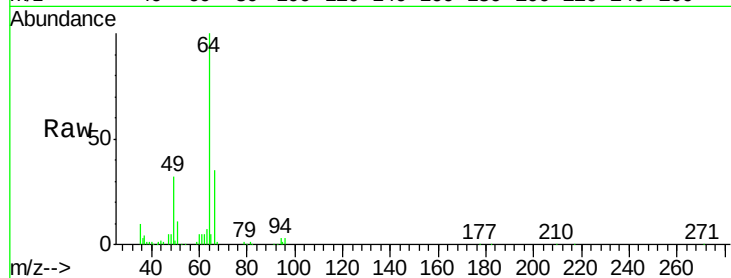
66 34.6 25.6 38.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.257 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036431.D

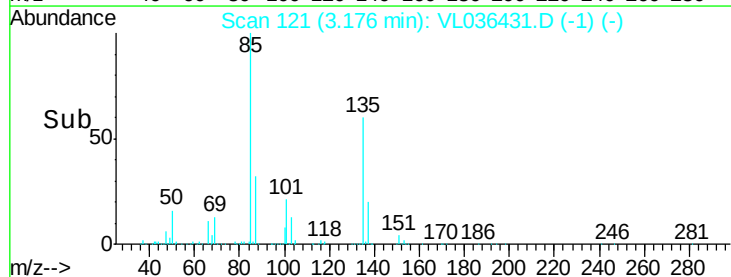
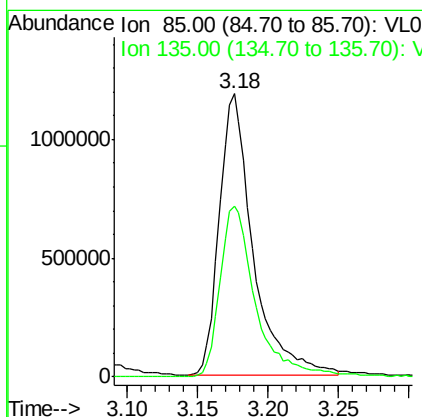
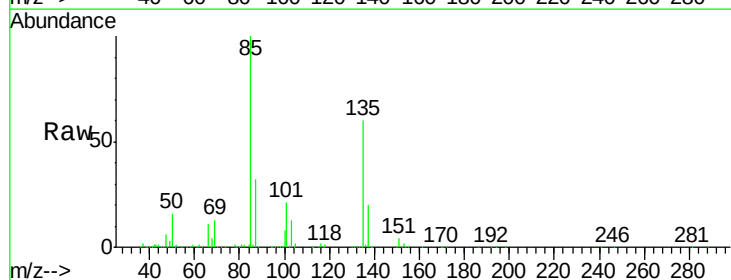
Acq: 2 Mar 2021 16:20

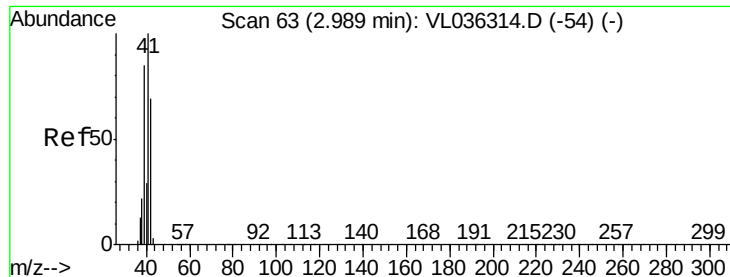
Tgt Ion: 85 Resp: 1986740

Ion Ratio Lower Upper

85 100

135 64.7 51.1 76.7





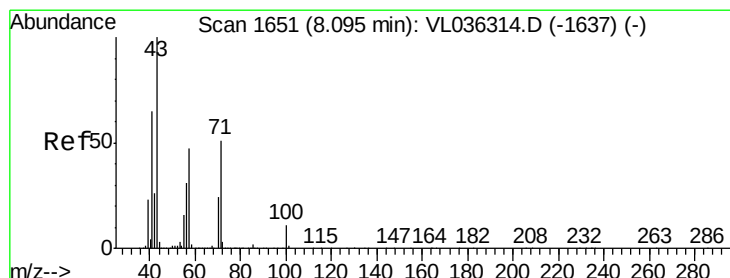
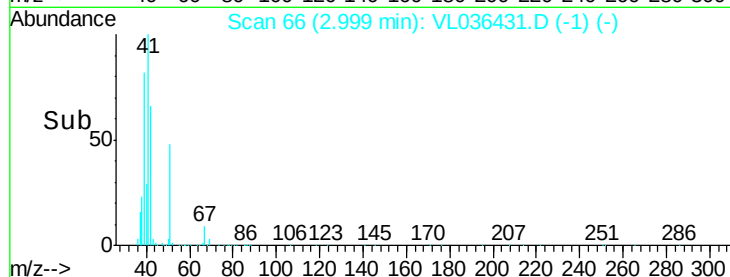
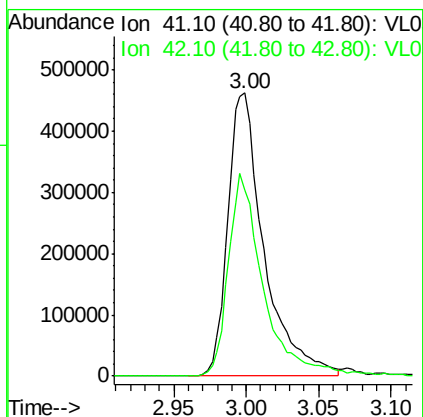
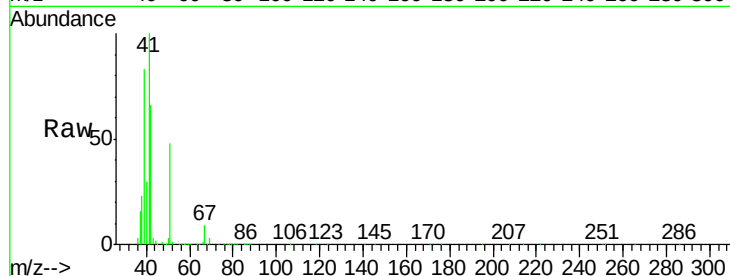
#9
 Propene
 Concen: 10.955 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 802416
 Ion Ratio Lower Upper
 41 100
 42 69.2 56.2 84.2

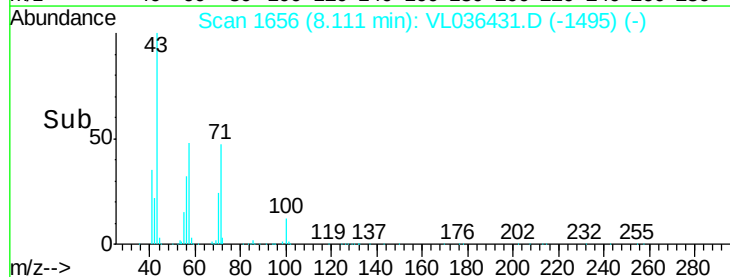
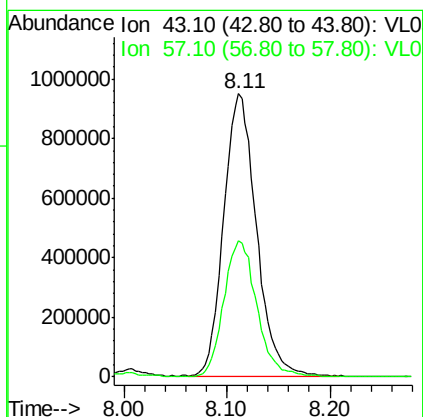
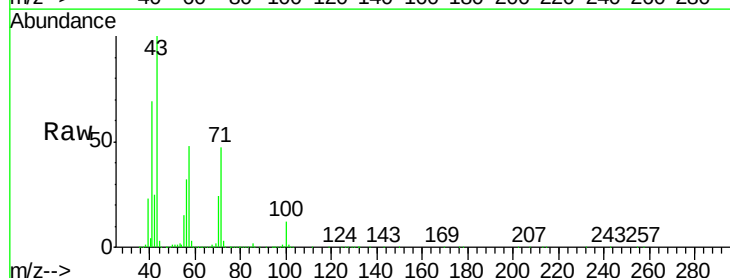
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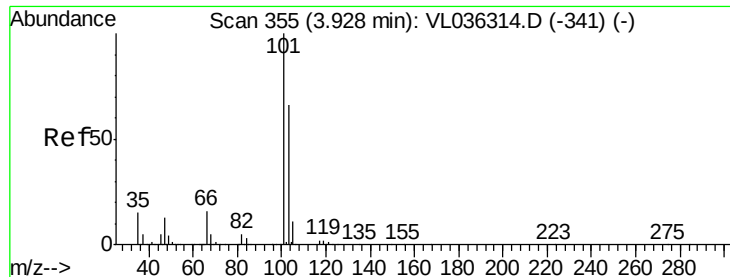
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#10
 Heptane
 Concen: 9.667 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion: 43 Resp: 2086759
 Ion Ratio Lower Upper
 43 100
 57 49.1 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.188 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2123126

Ion Ratio Lower Upper

101 100

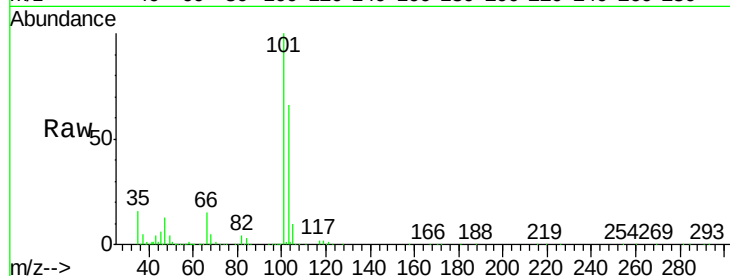
103 65.8 52.9 79.3

Manual Integrations

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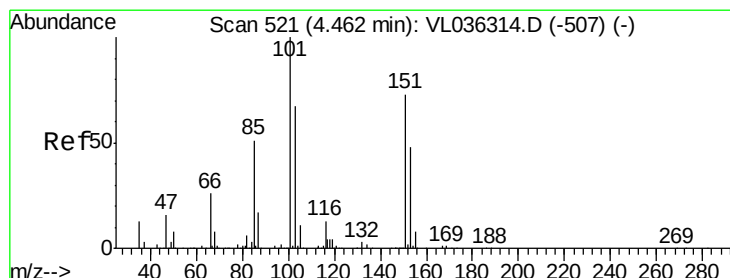
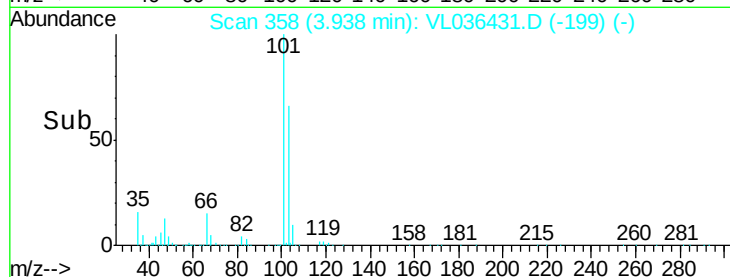
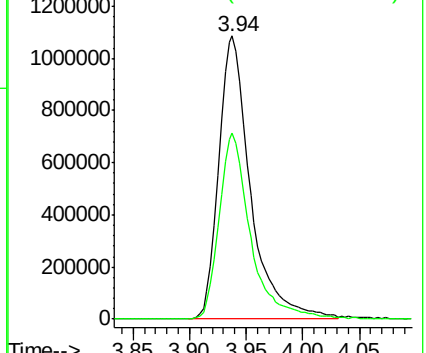
MMDadoda

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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: 9.296 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.01 min

Lab File: VL036431.D

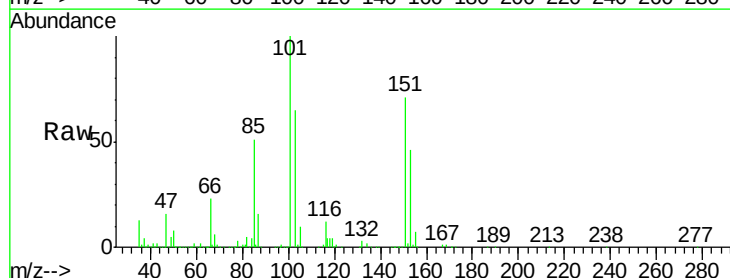
Acq: 2 Mar 2021 16:20

Tgt Ion:101 Resp: 1330632

Ion Ratio Lower Upper

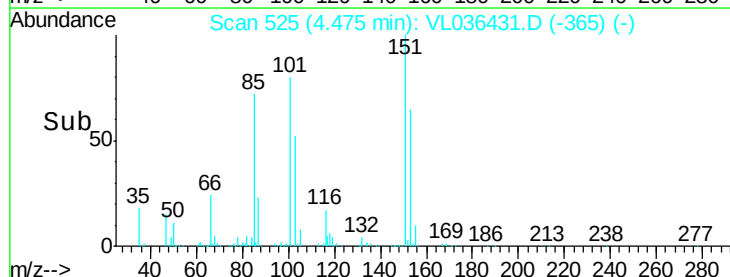
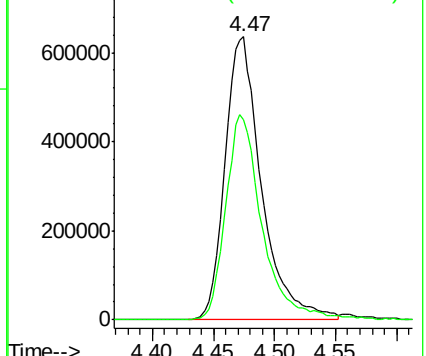
101 100

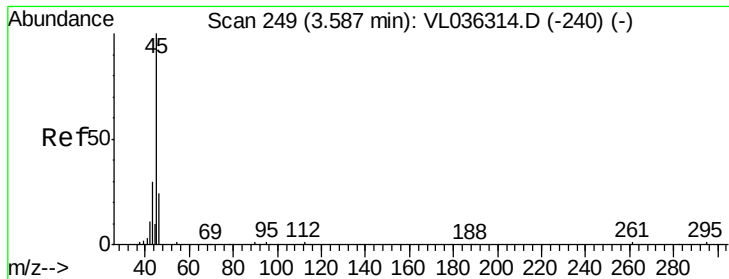
151 72.7 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.174 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 112454

Ion Ratio Lower Upper

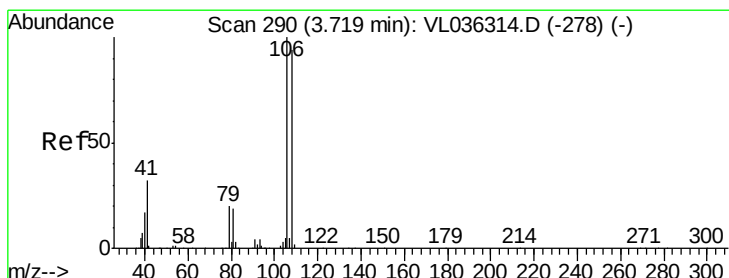
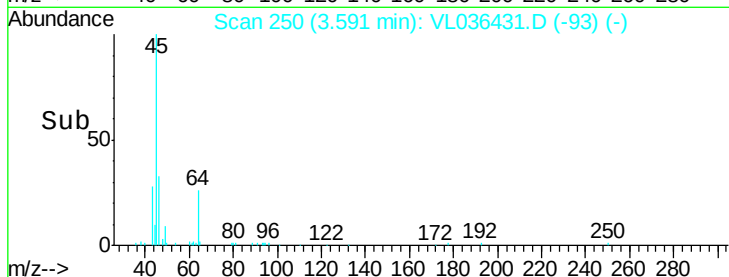
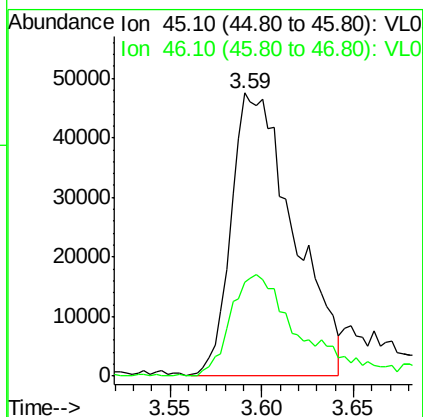
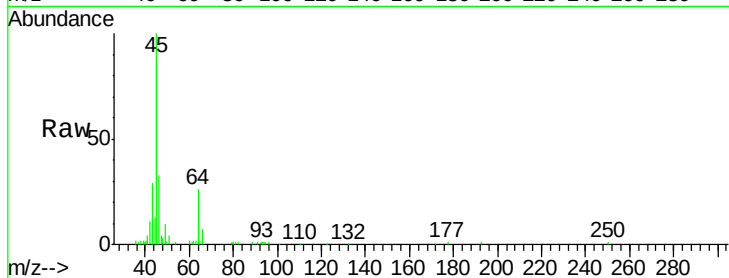
45 100

46 41.4 17.7 70.7

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#14

Bromoethene

Concen: 9.540 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

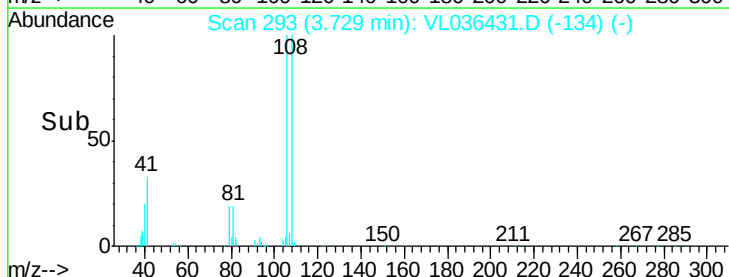
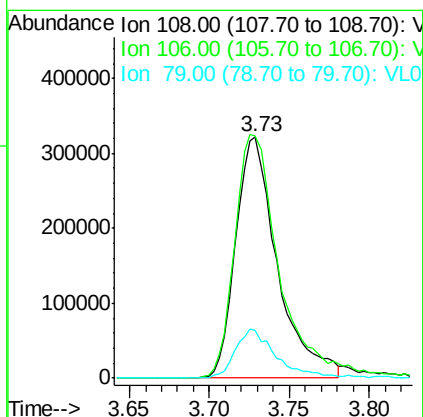
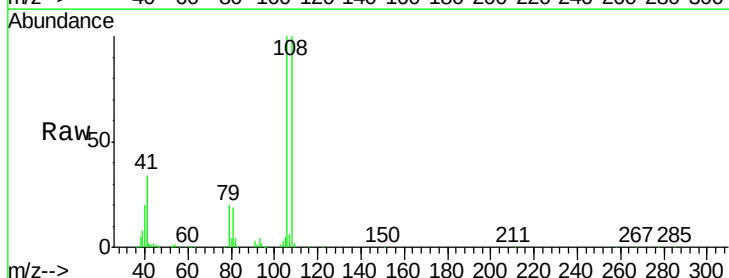
Tgt Ion: 108 Resp: 571488

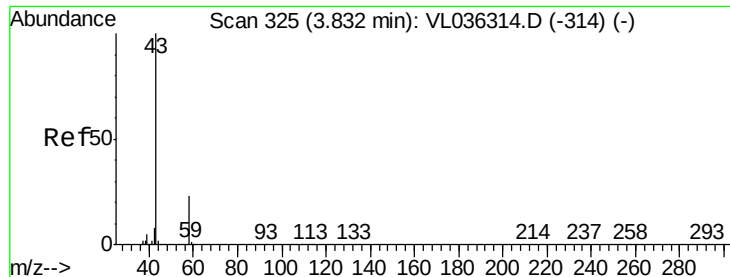
Ion Ratio Lower Upper

108 100

106 110.8 89.8 134.8

79 21.0 17.1 25.7





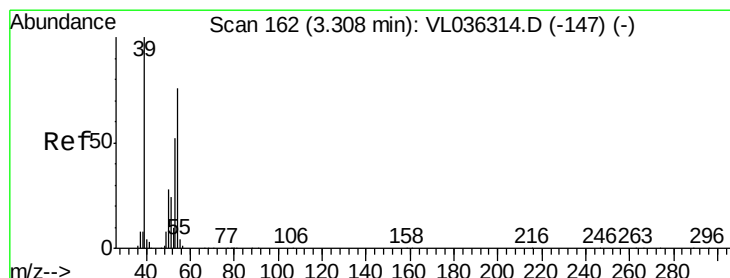
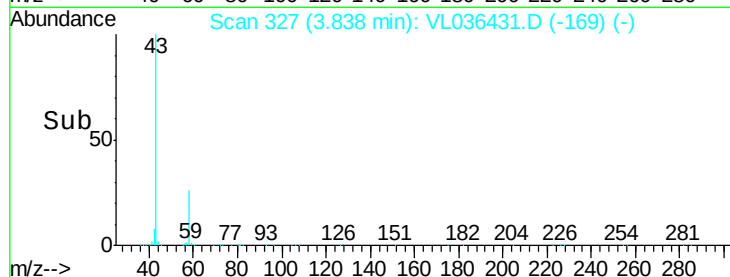
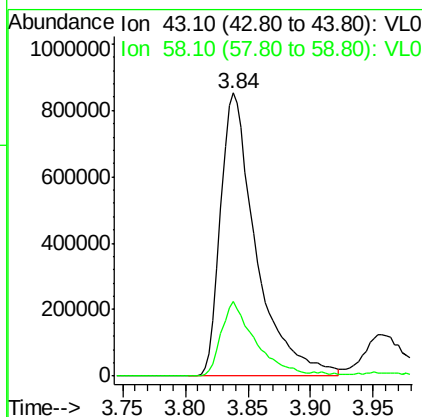
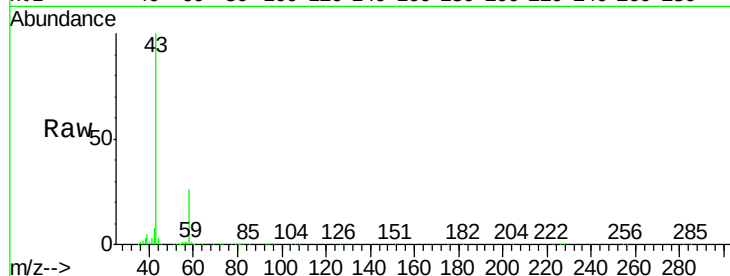
#15
Acetone
Concen: 8.679 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1677475
Ion Ratio Lower Upper
43 100
58 26.2 20.3 30.5

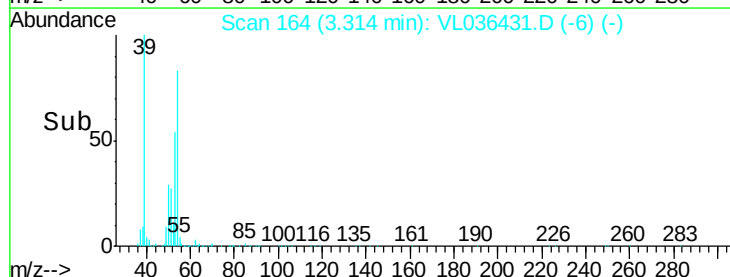
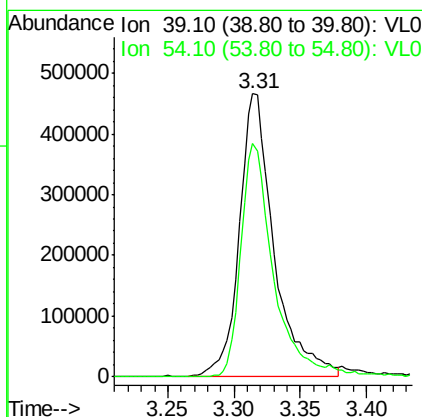
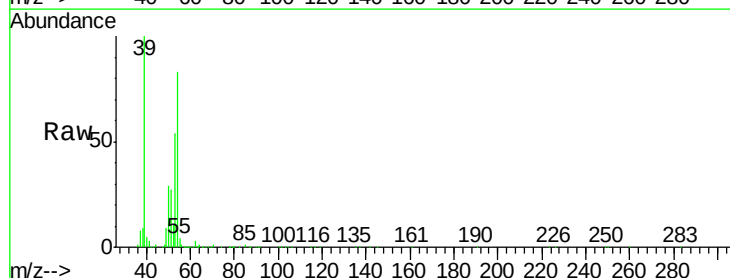
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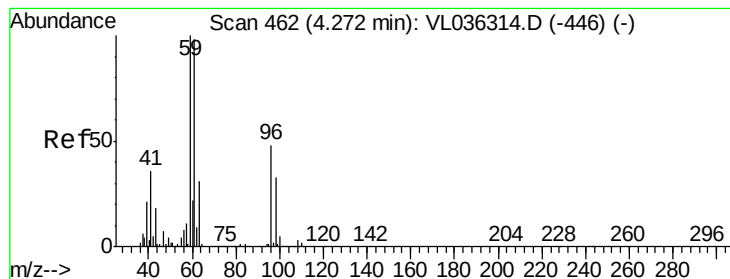
MMDadoda
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#16
1,3-Butadiene
Concen: 9.143 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion: 39 Resp: 844944
Ion Ratio Lower Upper
39 100
54 79.6 64.4 96.6





#17

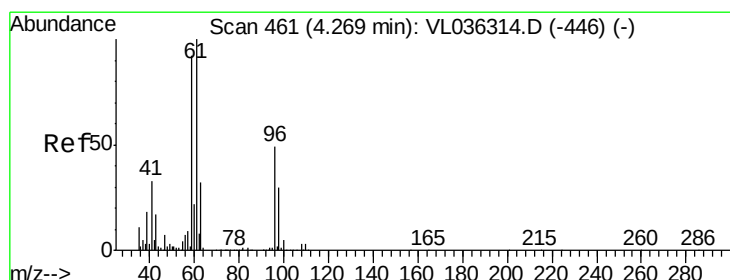
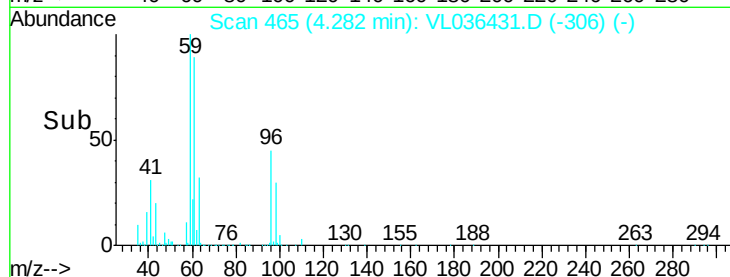
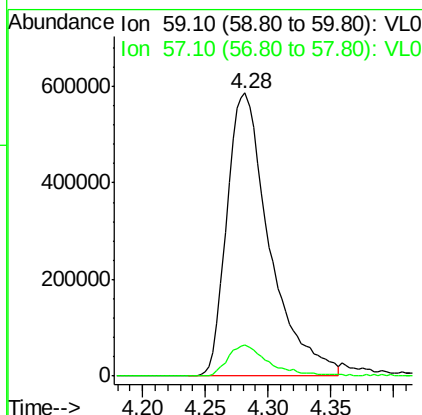
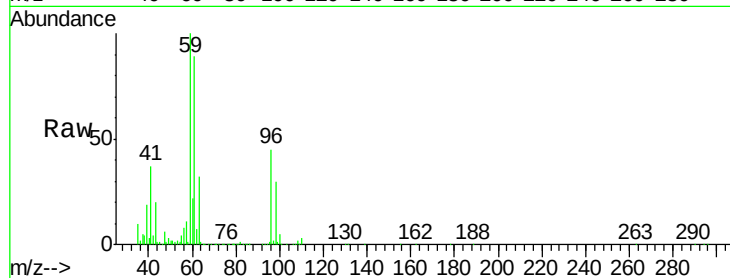
tert-Butyl alcohol
Concen: 9.259 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1389076
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.4

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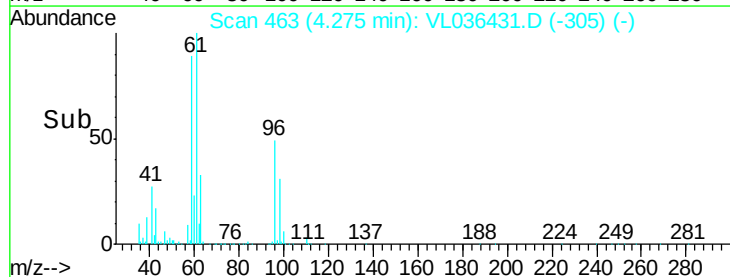
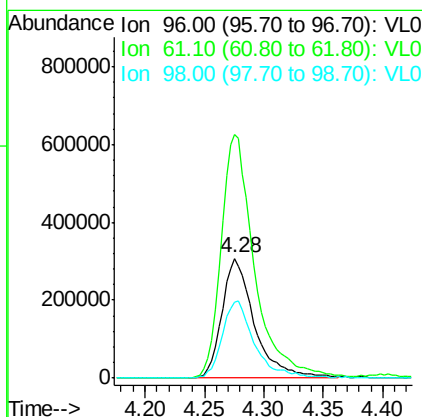
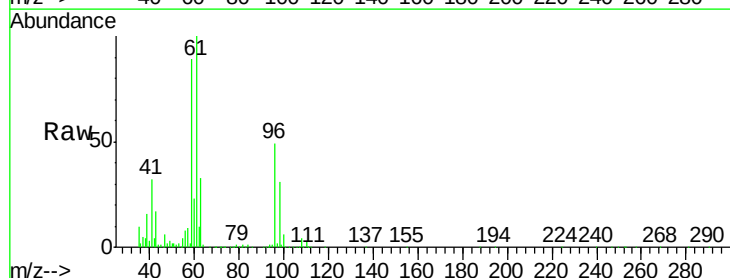
MMDadoda
3/3/2021 1:52:38 PM

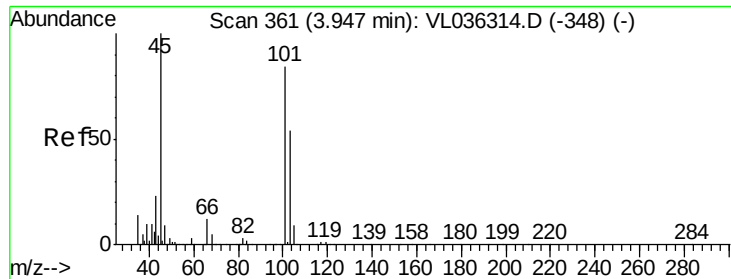


#18

1,1-Dichloroethene
Concen: 8.958 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion: 96 Resp: 582685
Ion Ratio Lower Upper
96 100
61 203.3 162.5 243.7
98 63.2 48.5 72.7





#19

Isopropyl Alcohol

Concen: 8.500 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 910174

Ion Ratio Lower Upper

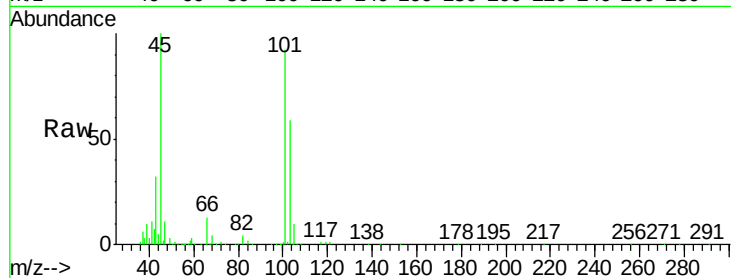
45 100

58 4.2 1.9 2.9#

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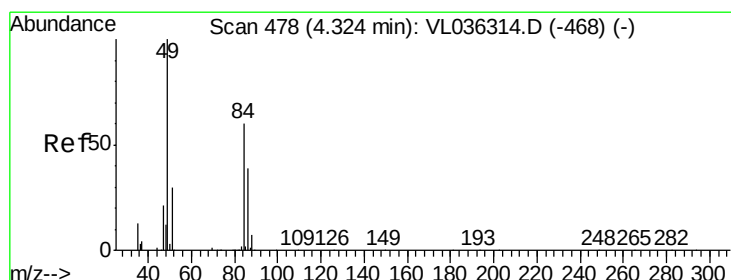
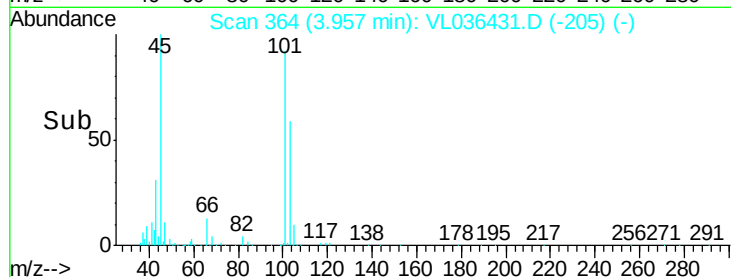
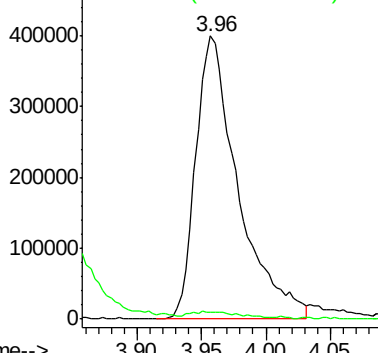
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.025 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Tgt Ion: 84 Resp: 500362

Ion Ratio Lower Upper

84 100

49 160.5 133.8 200.8

51 47.8 41.4 62.0

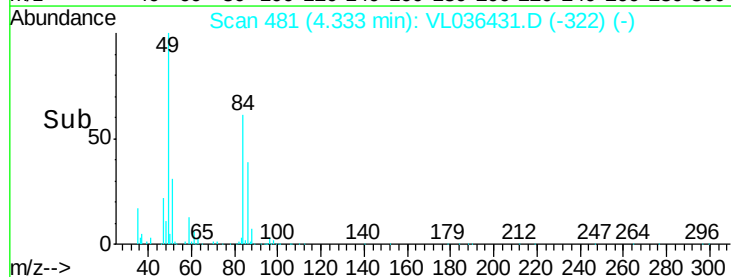
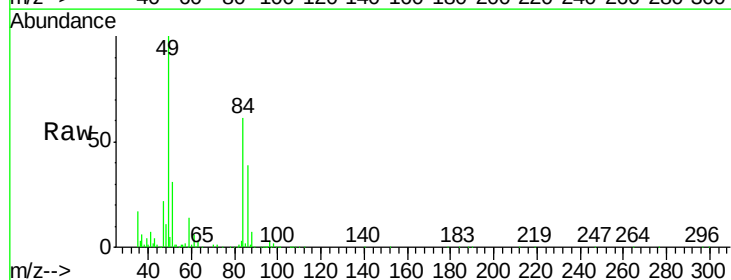
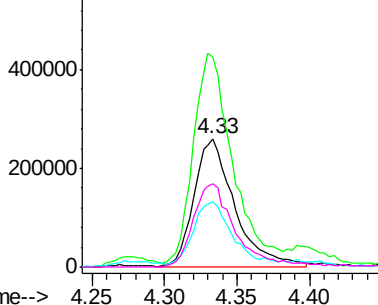
86 64.4 51.5 77.3

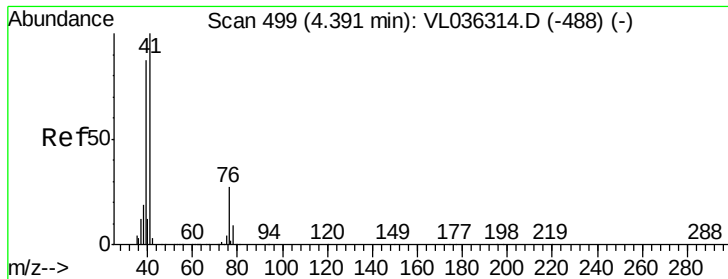
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





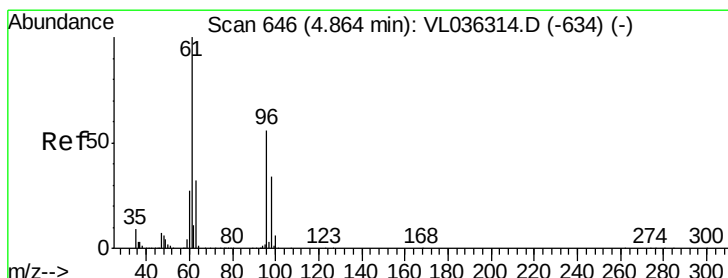
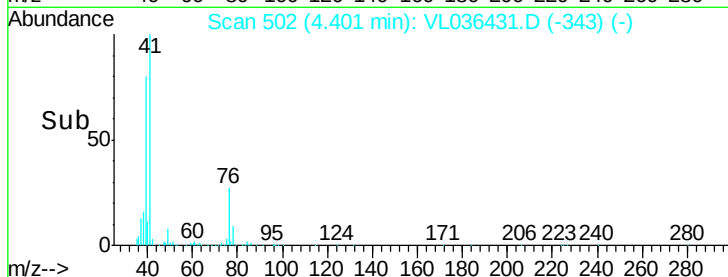
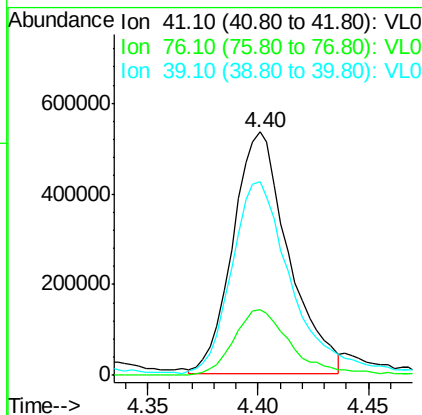
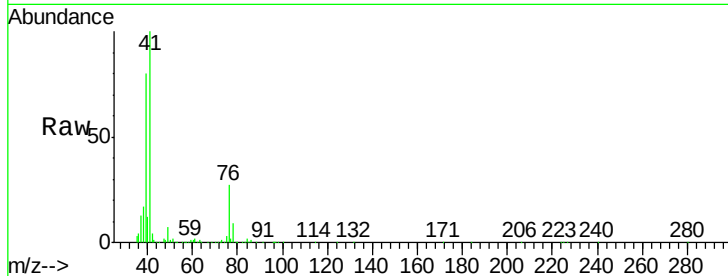
#21
Allvl Chloride
Concen: 8.700 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.0	33.0
39	87.7	70.2	105.2

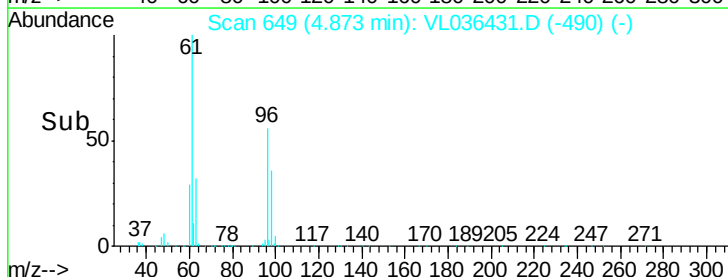
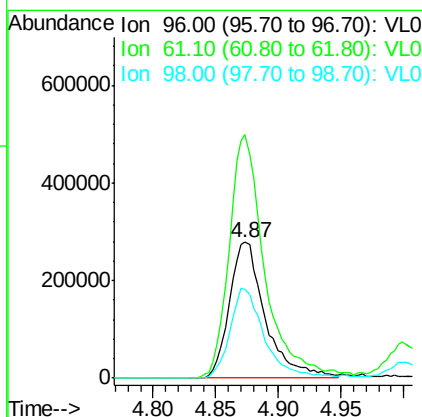
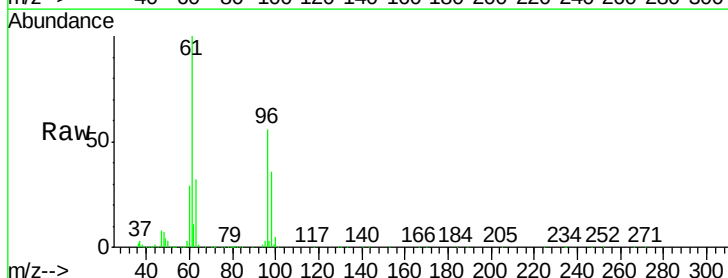
Manual Integrations
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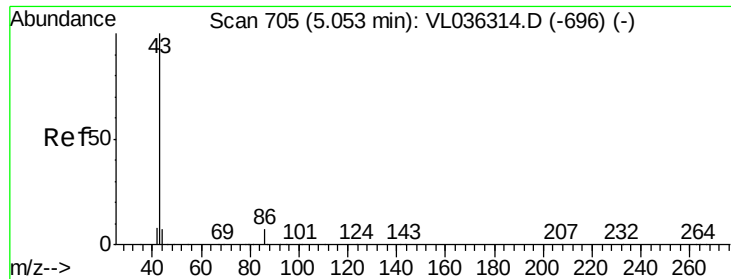
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.380 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	143.7	215.5
98	65.0	48.5	72.7





#23

Vinyl Acetate

Concen: 9.614 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2184690

Ion Ratio Lower Upper

43 100

86 6.6 4.8 7.2

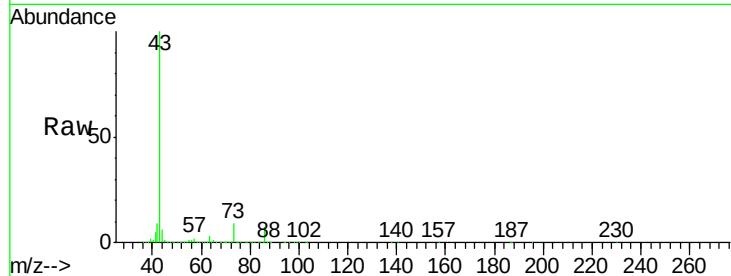
42 9.2 7.4 11.0

44 5.2 4.8 7.2

Manual Integrations
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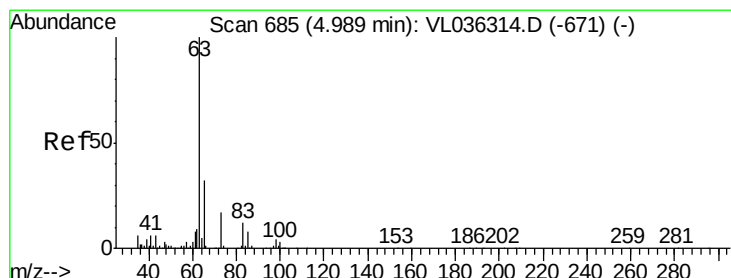
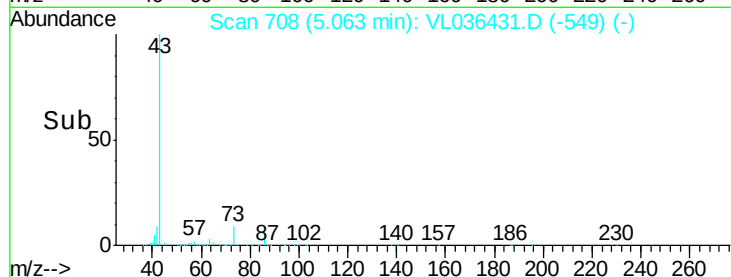
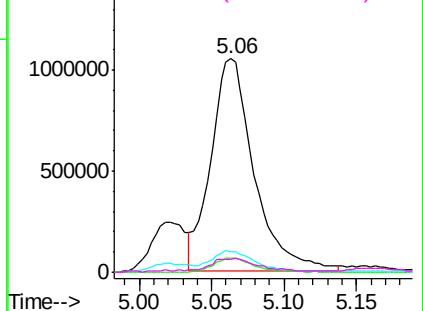


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.120 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

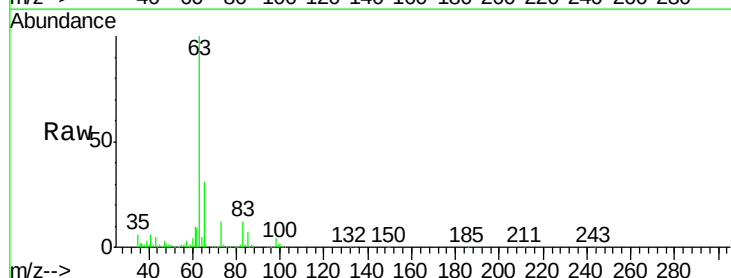
Tgt Ion: 63 Resp: 1532783

Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

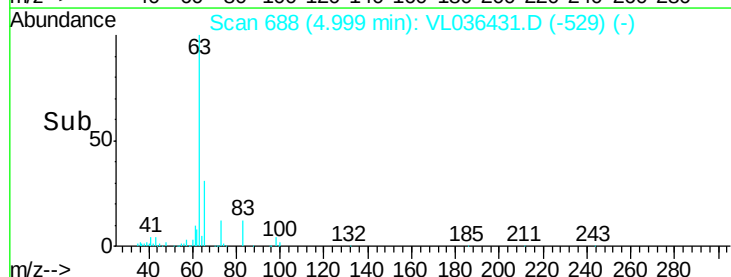
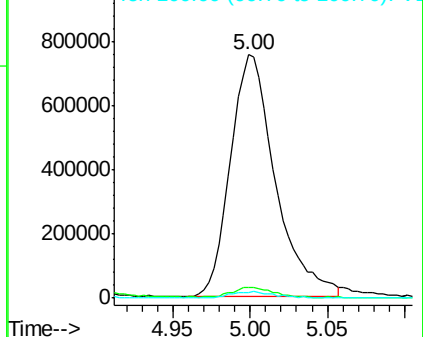
100 2.4 1.5 4.4

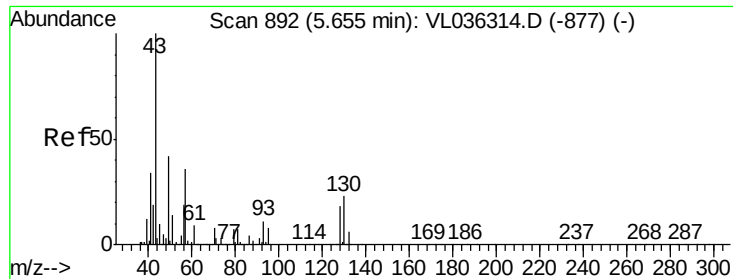


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





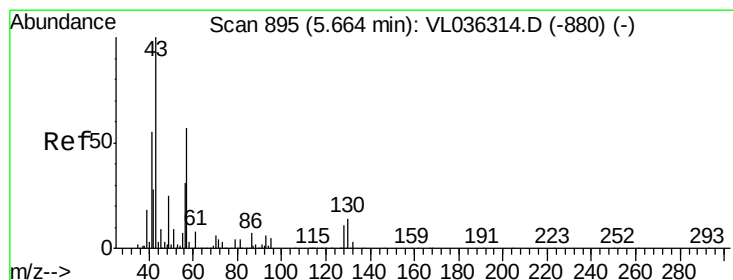
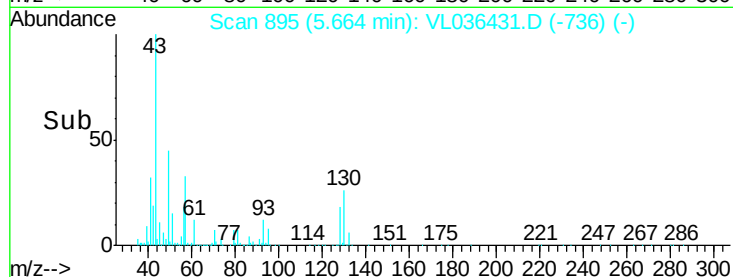
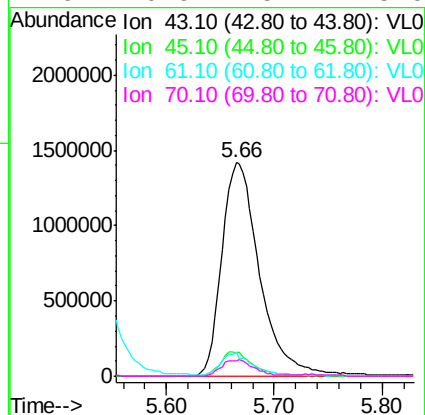
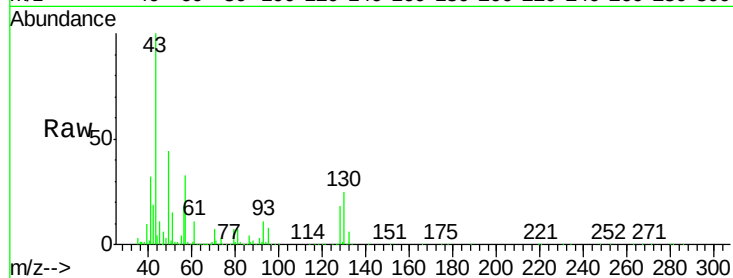
#25
Ethyl Acetate
Concen: 9.208 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	3435818
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.7	7.3	10.9
70	6.9	5.4	8.0

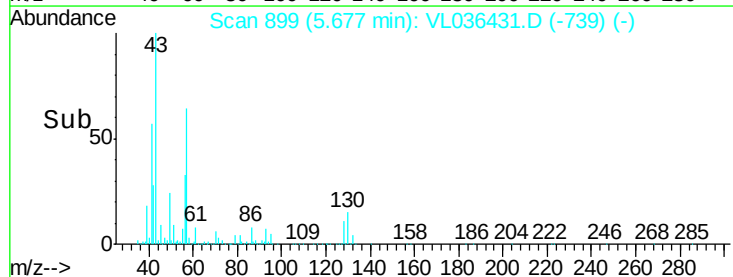
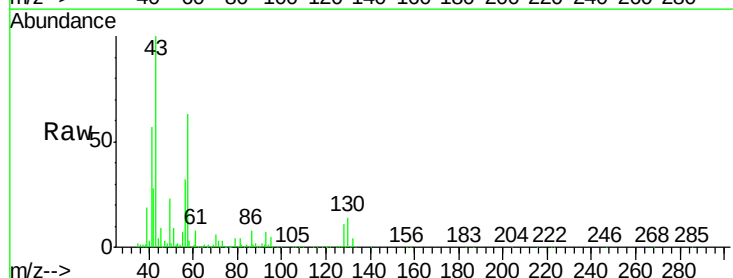
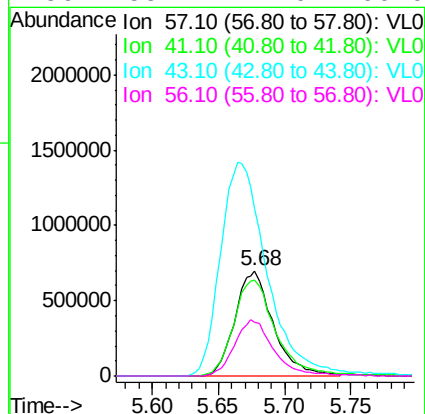
Manual Integrations
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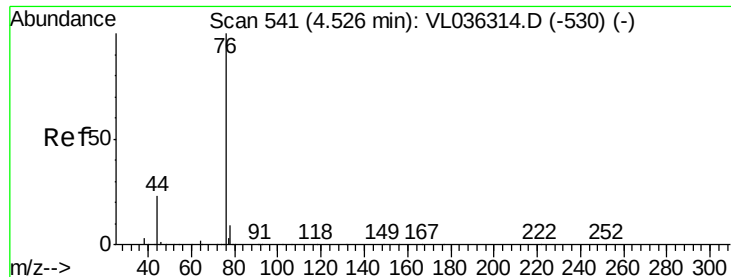
MMDadoda
3/3/2021 1:52:38 PM



#26
Hexane
Concen: 9.142 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion:	57	Resp:	1401538
Ion	Ratio	Lower	Upper
57	100		
41	101.1	81.7	122.5
43	249.7	199.1	298.7
56	55.4	44.0	66.0





#27

Carbon Disulfide

Concen: 10.376 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1462005

Ion Ratio Lower Upper

76 100

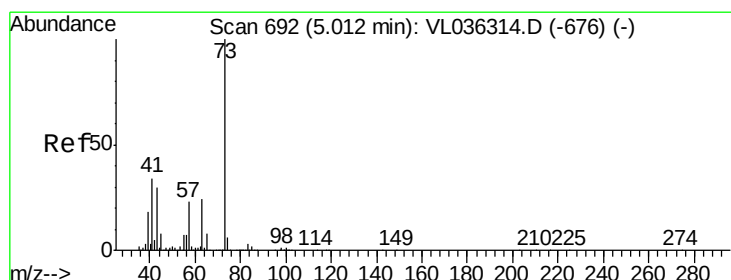
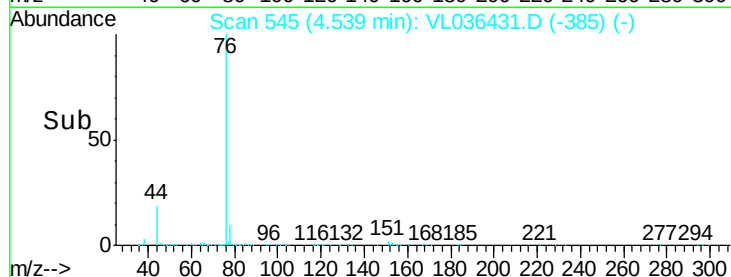
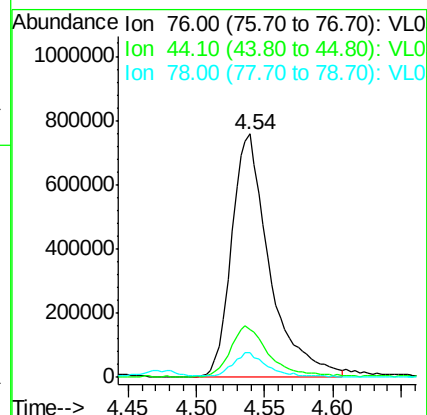
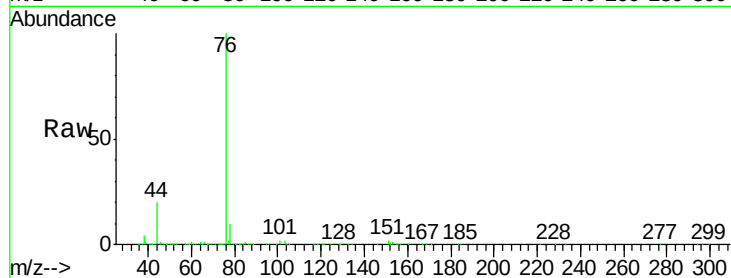
44 22.1 18.4 27.6

78 10.2 8.0 12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.331 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036431.D

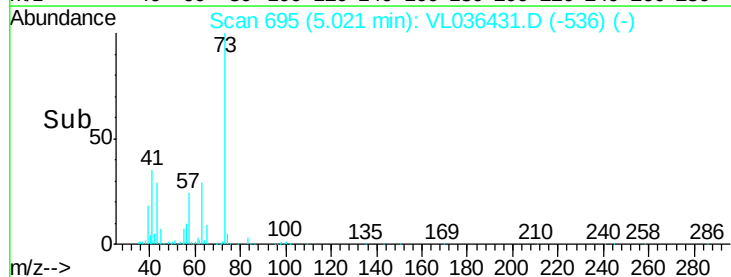
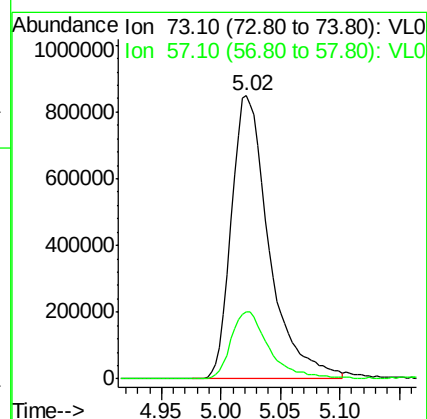
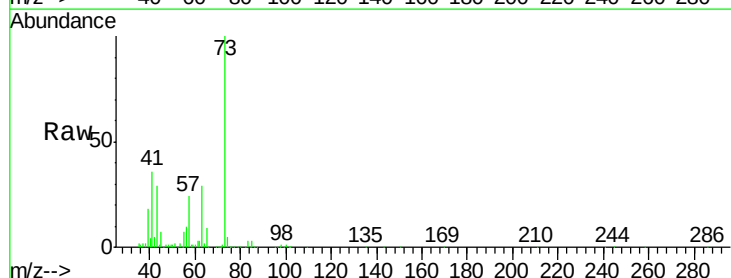
Acq: 2 Mar 2021 16:20

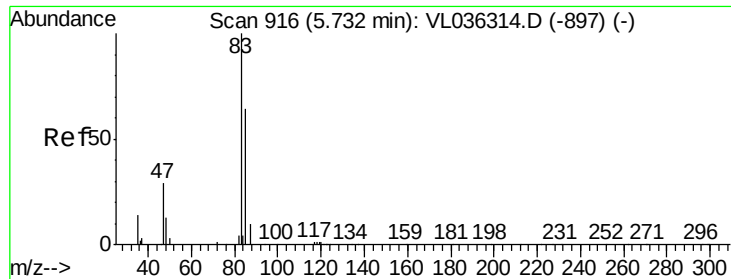
Tgt Ion: 73 Resp: 1868747

Ion Ratio Lower Upper

73 100

57 24.1 19.2 28.8





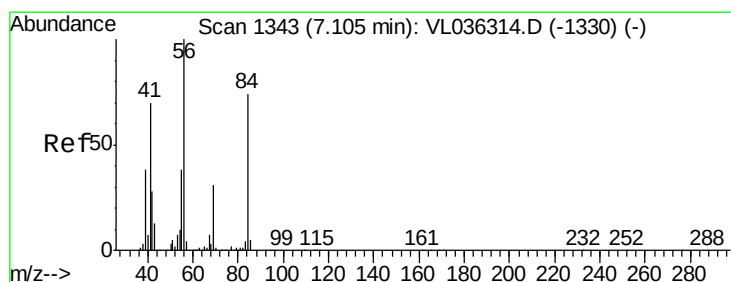
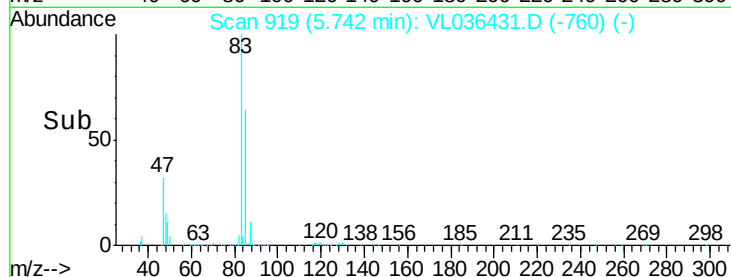
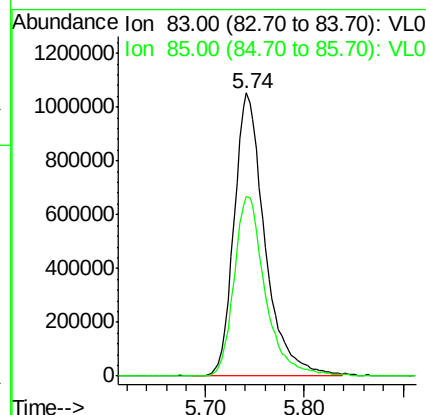
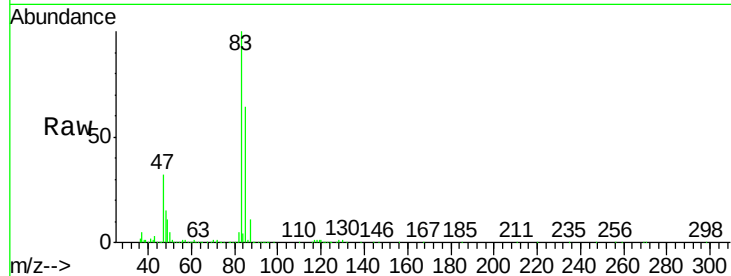
#29
Chloroform
Concen: 9.275 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2290802
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2

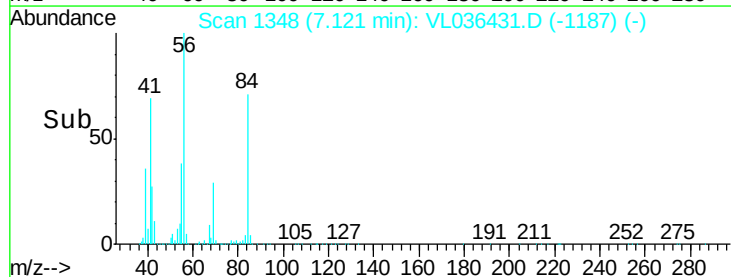
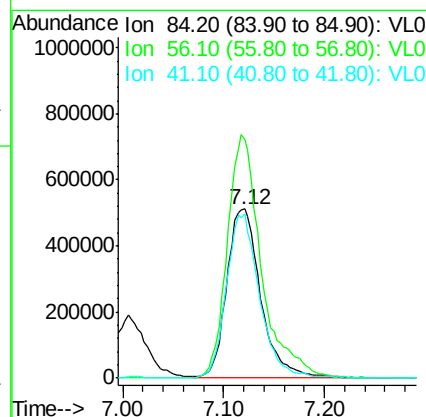
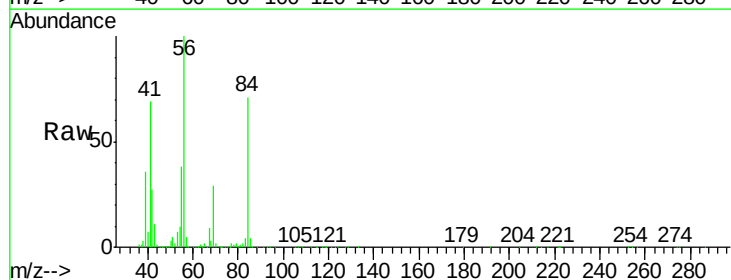
Manual Integrations
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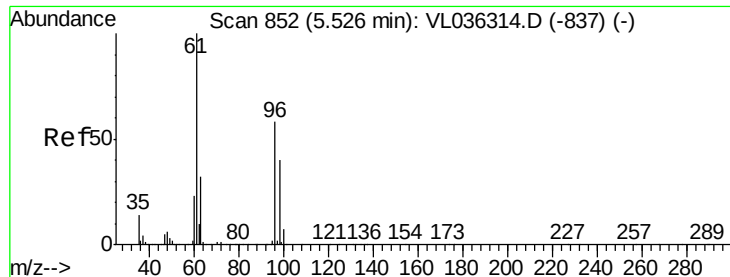
MMDadoda
3/3/2021 1:52:38 PM



#30
Cyclohexane
Concen: 9.328 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion: 84 Resp: 1189350
Ion Ratio Lower Upper
84 100
56 147.2 120.2 180.4
41 96.4 79.7 119.5





#31

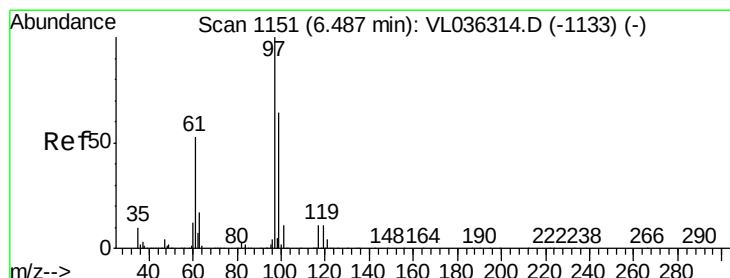
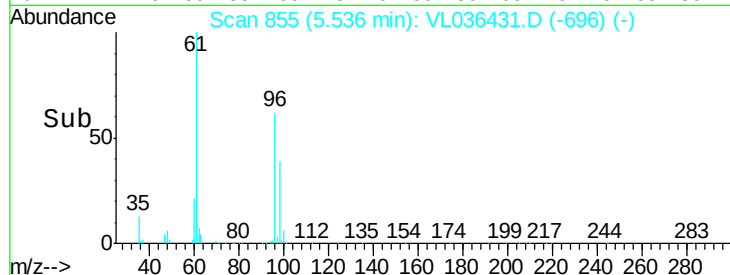
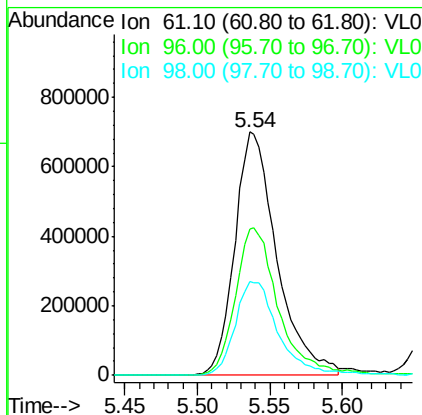
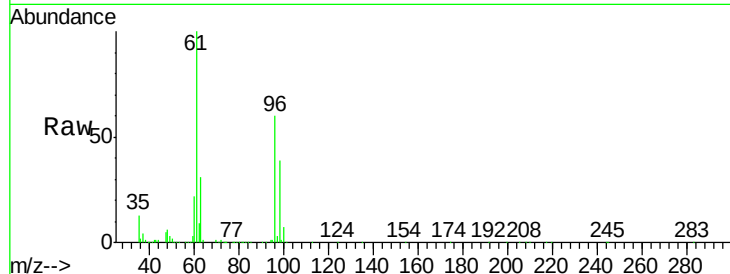
cis-1,2-Dichloroethene
Concen: 9.284 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.9	46.0	69.0
98	38.7	31.9	47.9

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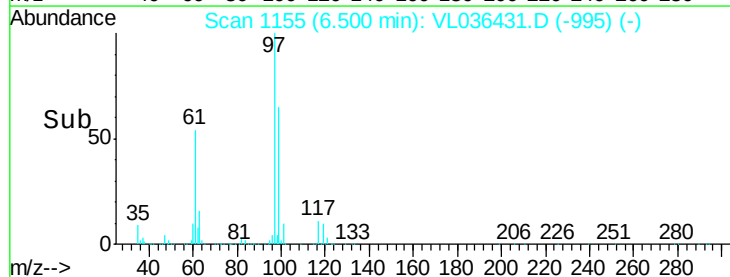
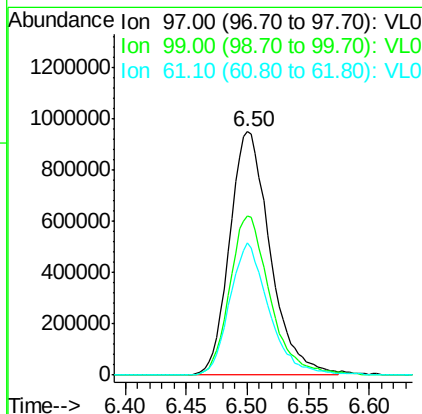
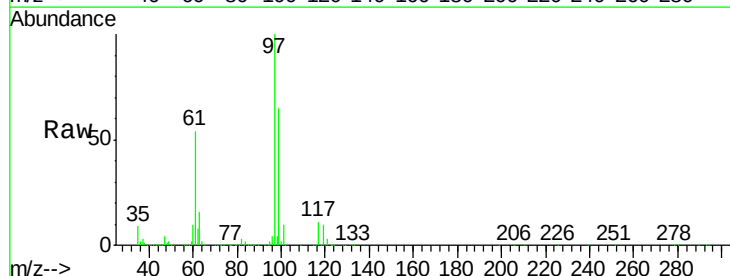
MMDadoda
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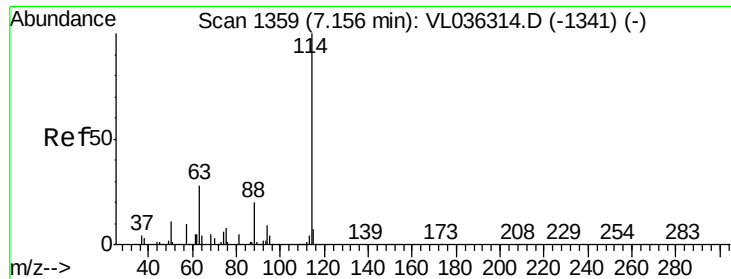


#32

1,1,1-Trichloroethane
Concen: 9.501 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	53.2	43.3	64.9





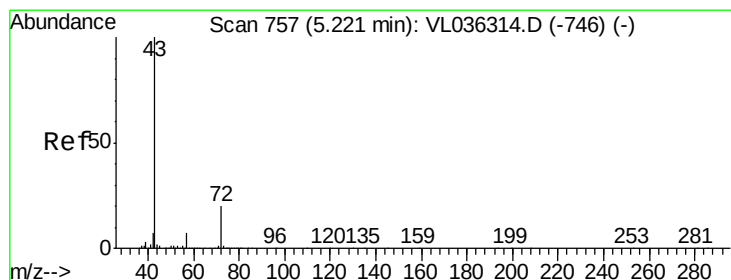
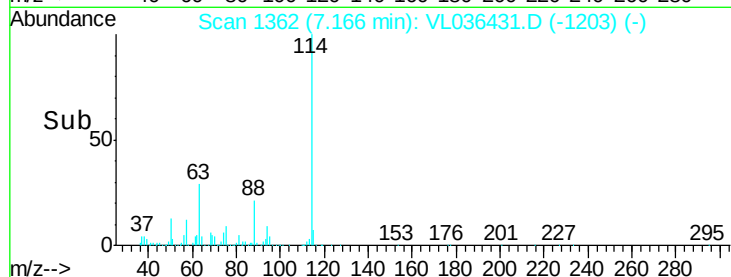
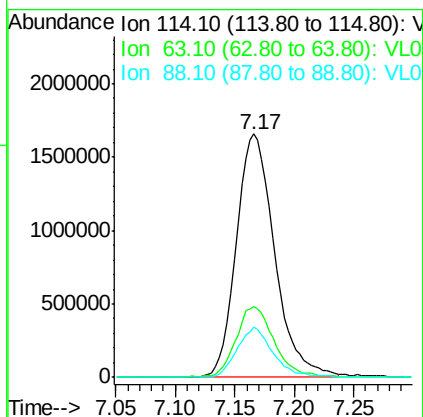
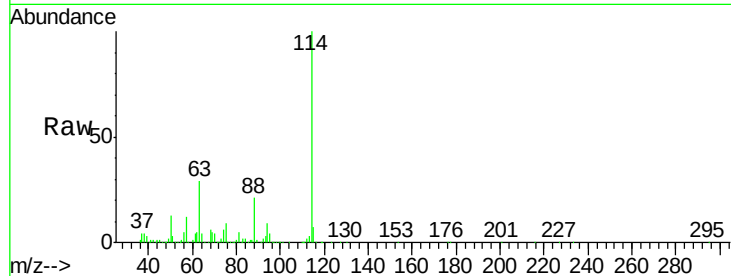
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3695663
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 19.6 16.0 24.0

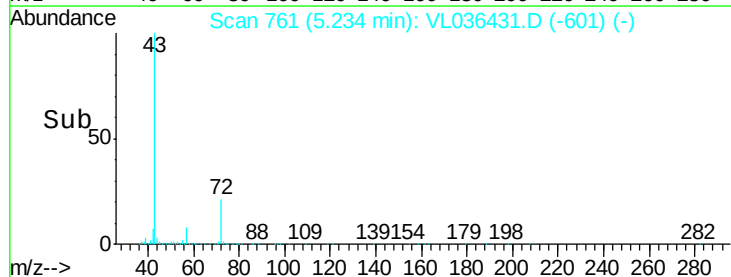
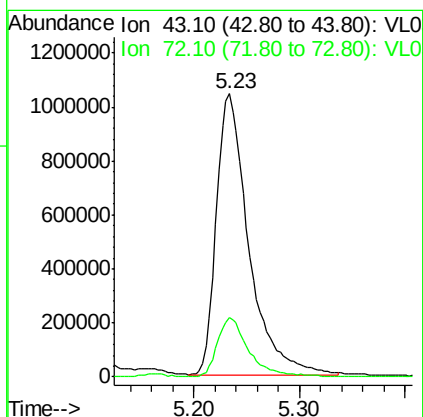
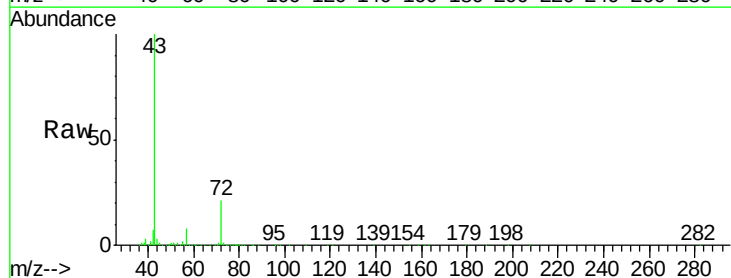
Manual Integrations
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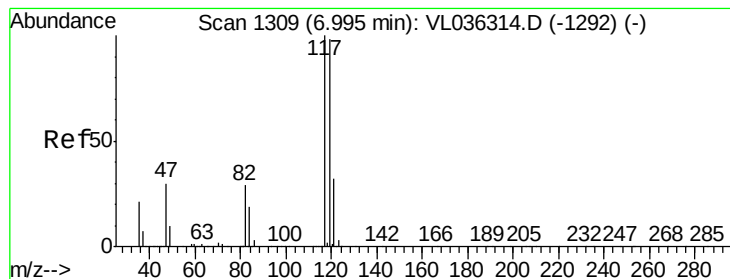
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#34
 2-Butanone
 Concen: 9.035 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion: 43 Resp: 2218408
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.157 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2268076

Ion Ratio Lower Upper

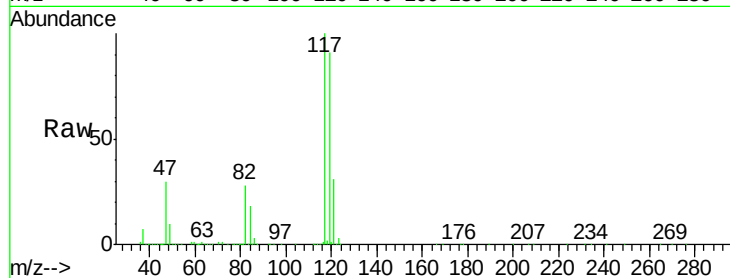
117 100

119 91.4 78.1 117.1

121 30.9 25.8 38.8

Manual Integrations
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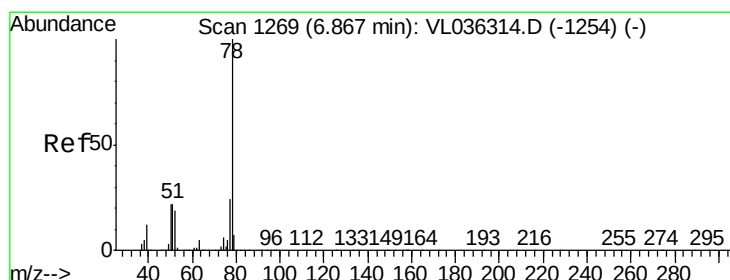
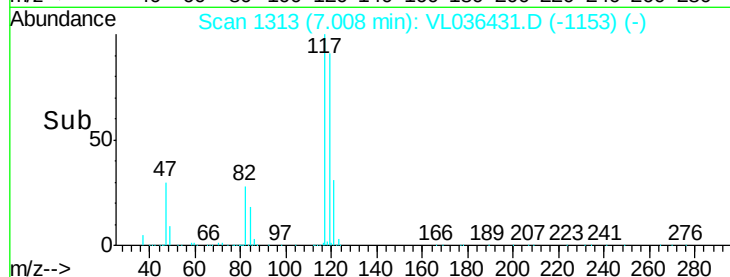
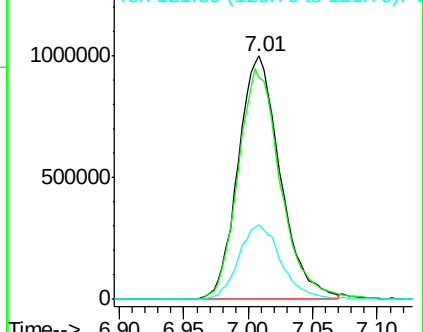
MMDadoda
3/3/2021 1:52:38 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.319 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

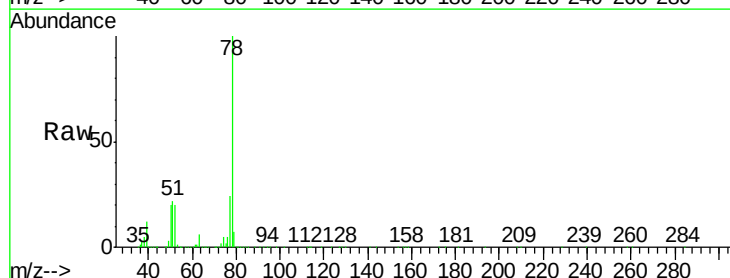
Tgt Ion: 78 Resp: 2925615

Ion Ratio Lower Upper

78 100

77 23.8 18.9 28.3

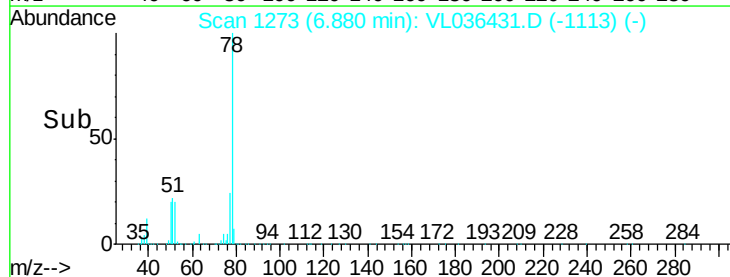
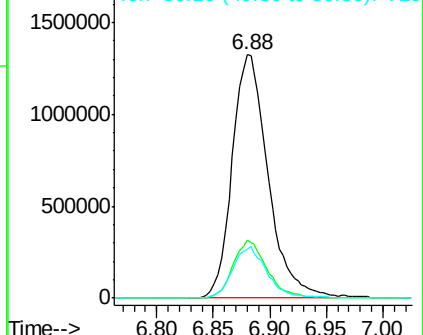
50 20.2 17.3 25.9

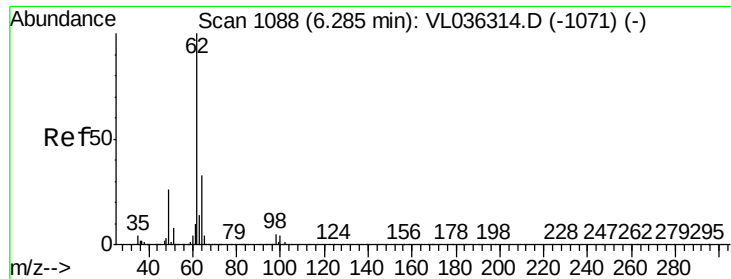


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





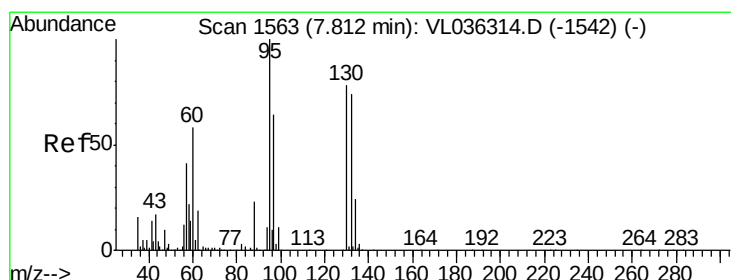
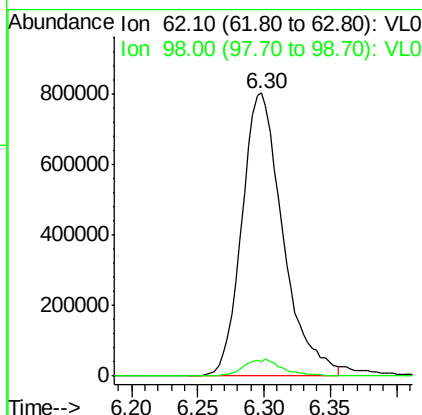
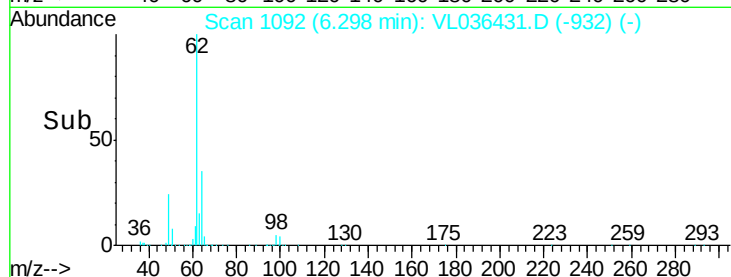
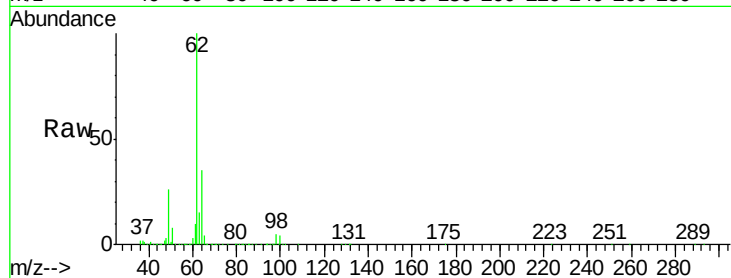
#37
 1,2-Dichloroethane
 Concen: 8.907 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1728849
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

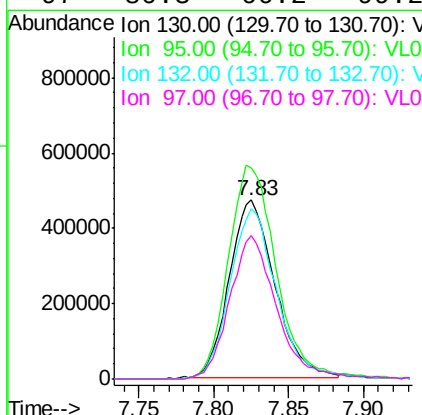
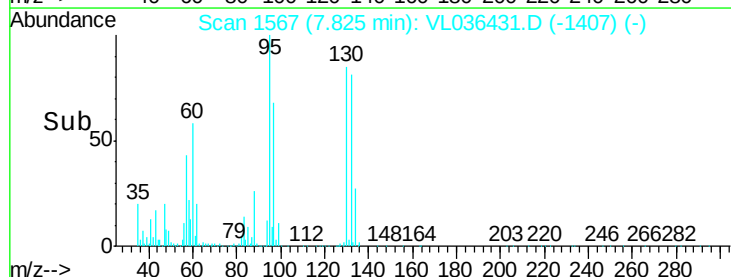
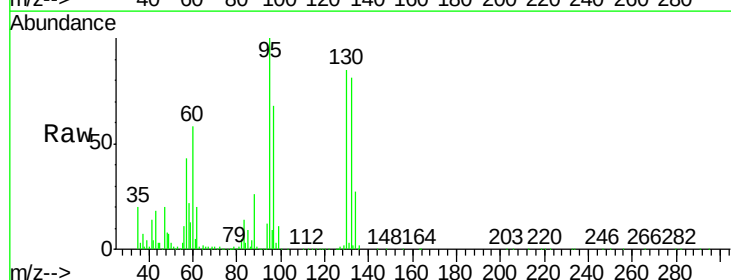
Manual Integrations
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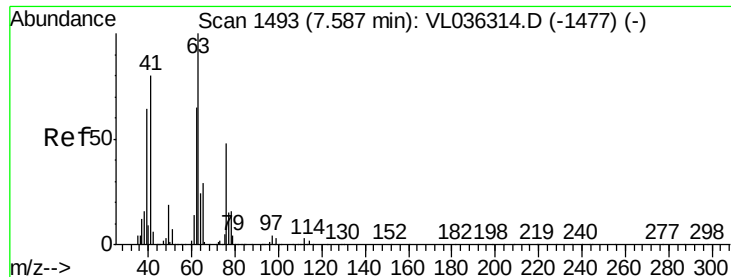
MMDadoda
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#38
 Trichloroethene
 Concen: 8.928 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion:130 Resp: 1004094
 Ion Ratio Lower Upper
 130 100
 95 118.2 102.8 154.2
 132 95.6 75.7 113.5
 97 80.3 66.2 99.2





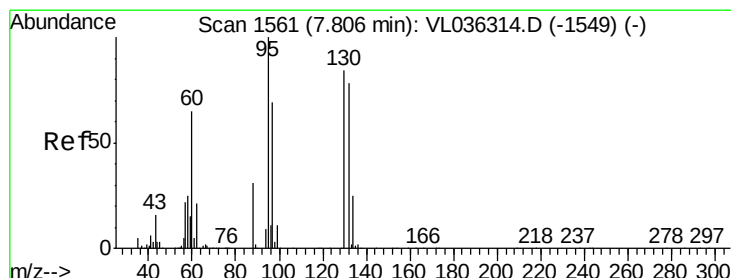
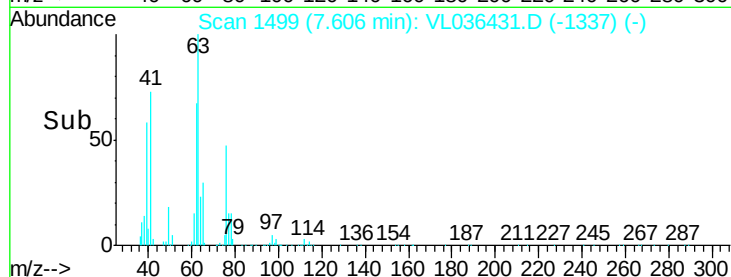
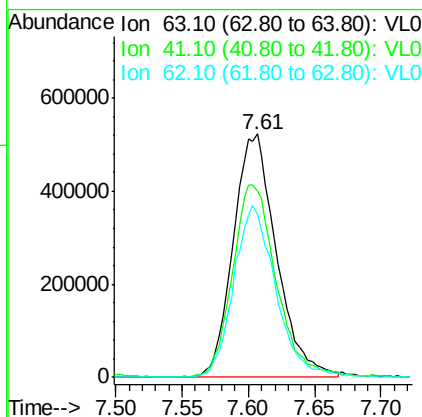
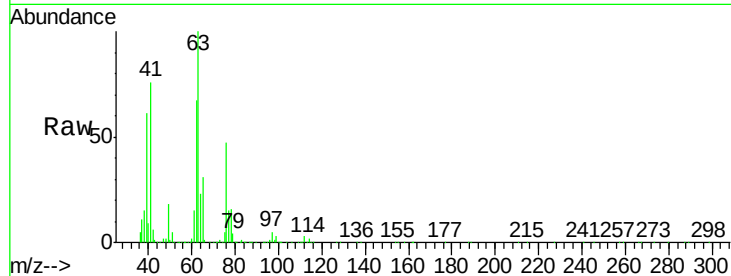
#39
 1,2-Dichloropropane
 Concen: 9.249 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.2	63.8	95.6
62	66.9	52.3	78.5

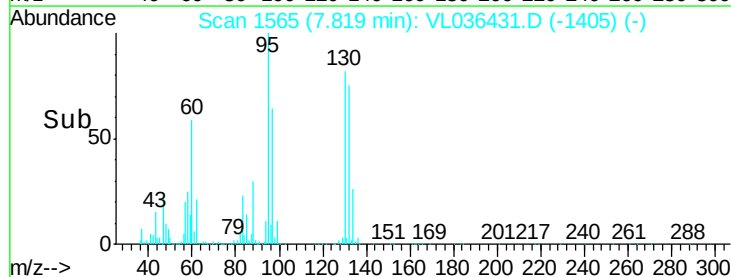
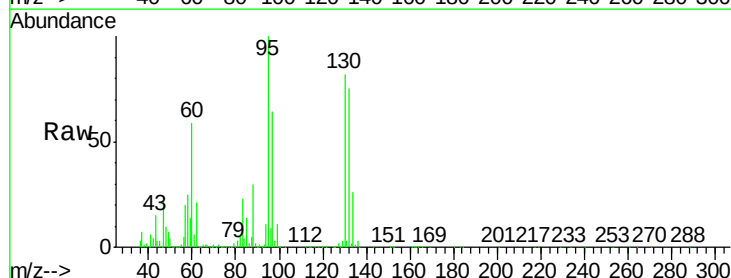
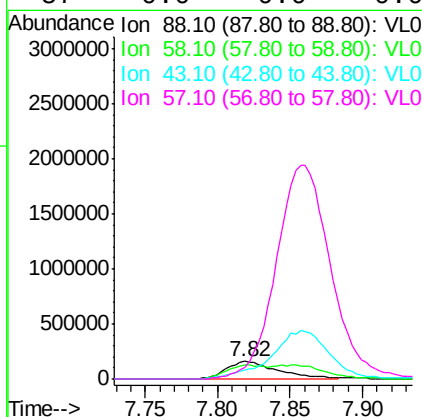
Manual Integrations
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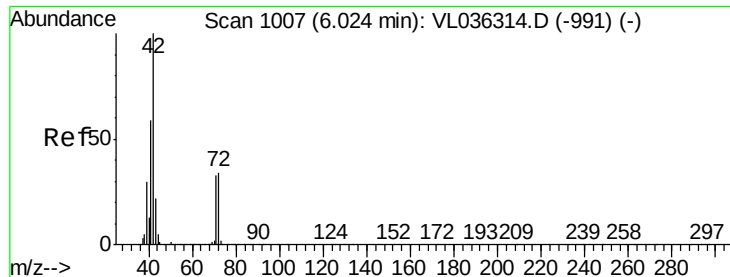
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.809 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.9	45.0	67.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





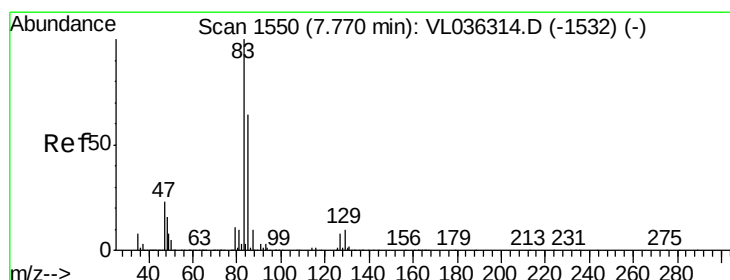
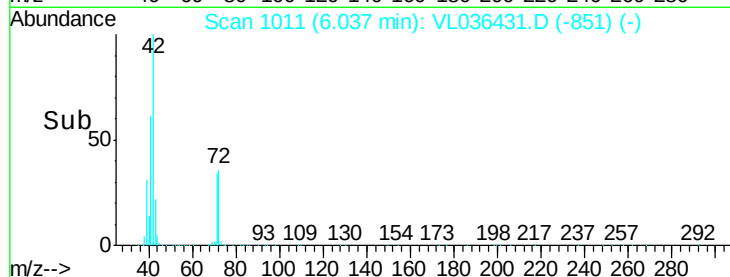
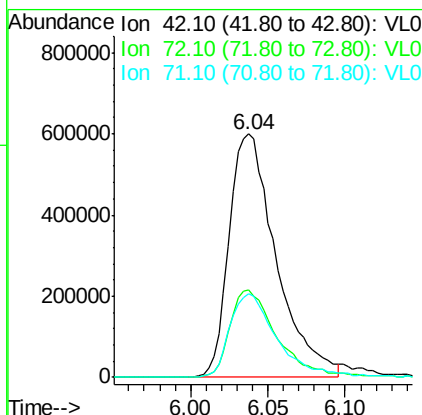
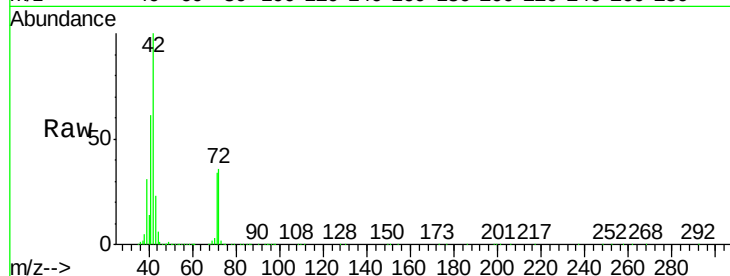
#41
Tetrahydrofuran
Concen: 9.217 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.3	43.9
71	35.2	27.8	41.8

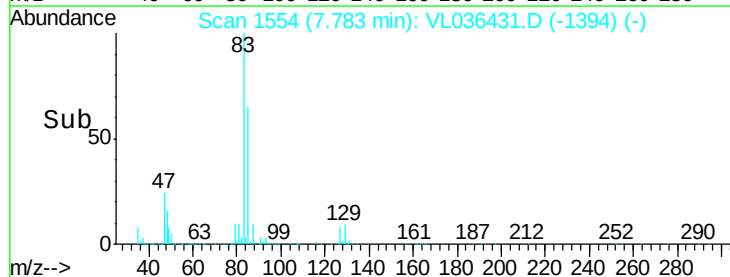
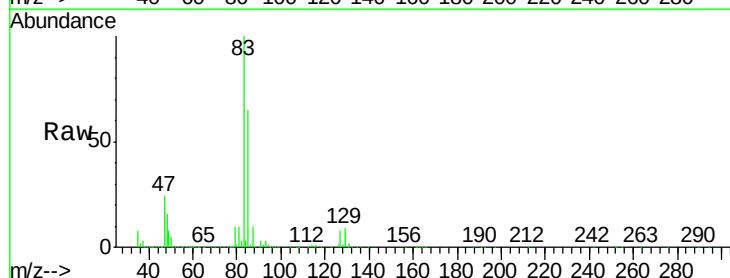
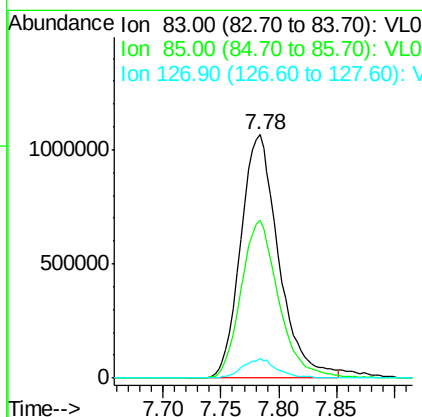
Manual Integrations
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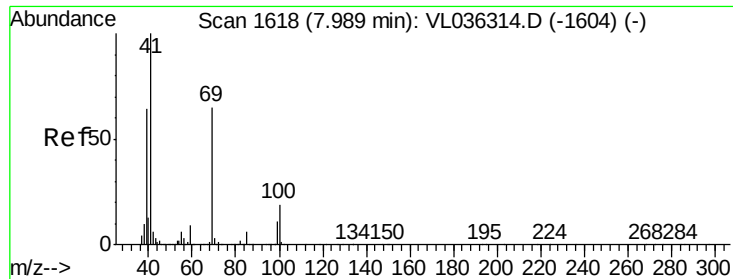
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3/3/2021 1:52:38 PM



#42
Bromodichloromethane
Concen: 9.341 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	7.8	6.3	9.5





#43

Methyl Methacrylate

Concen: 9.819 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

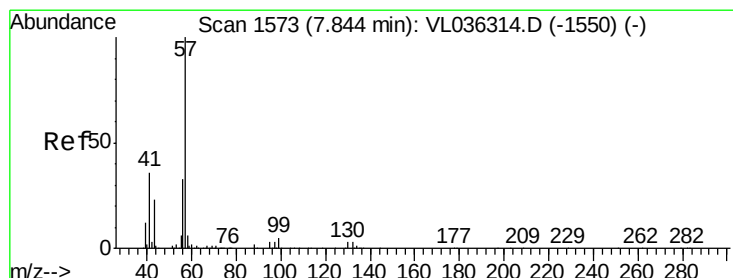
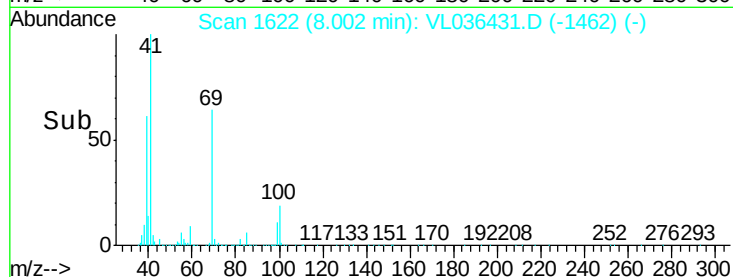
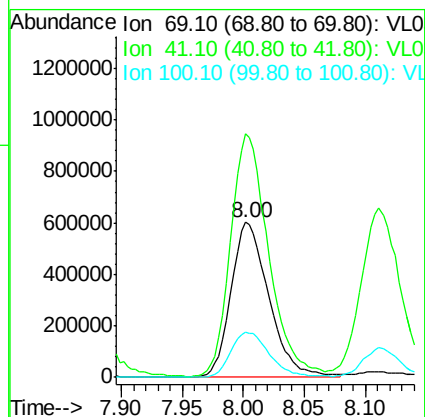
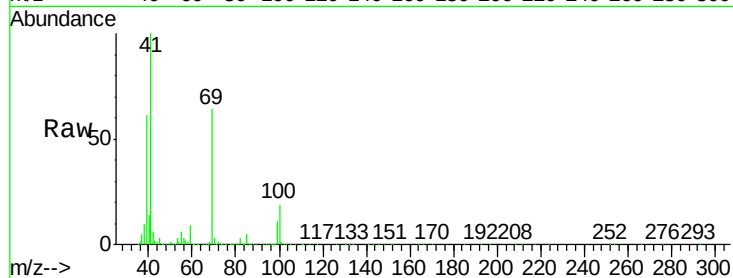
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1300053

Ion	Ratio	Lower	Upper
69	100		
41	158.4	126.5	189.7
100	29.8	23.1	34.7

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.858 ppbv

RT: 7.86 min Scan# 1578

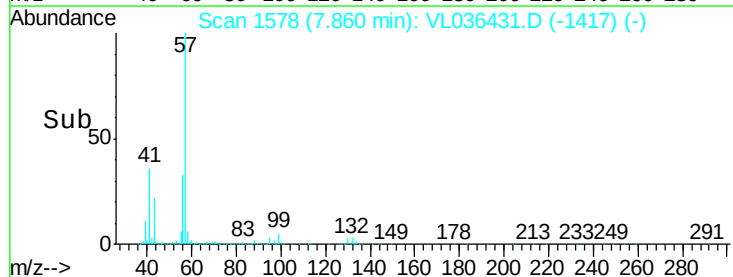
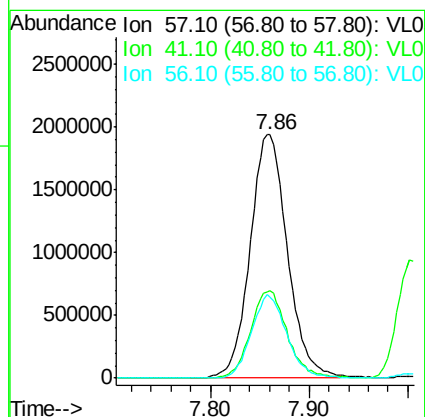
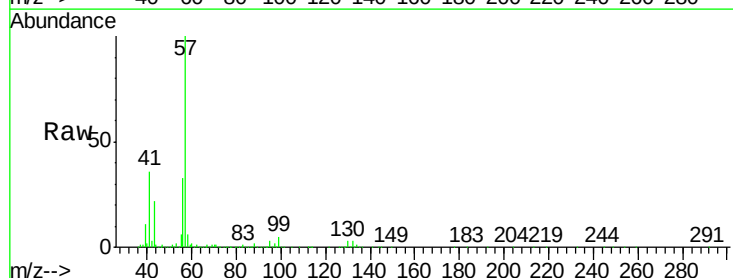
Delta R.T. 0.02 min

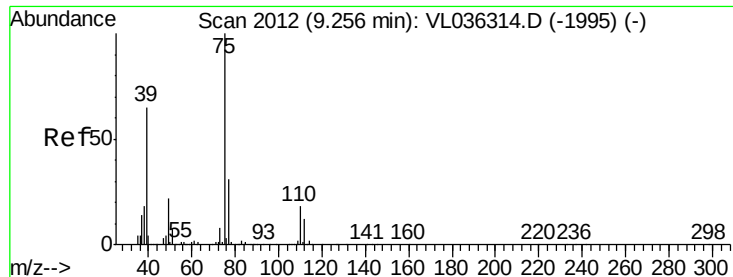
Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Tgt Ion: 57 Resp: 5056535

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.8	43.2
56	32.5	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 10.730 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1370371

Ion Ratio Lower Upper

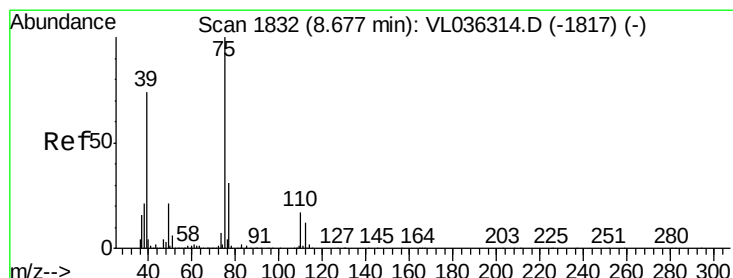
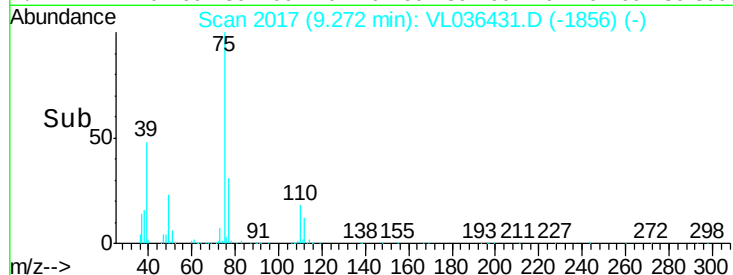
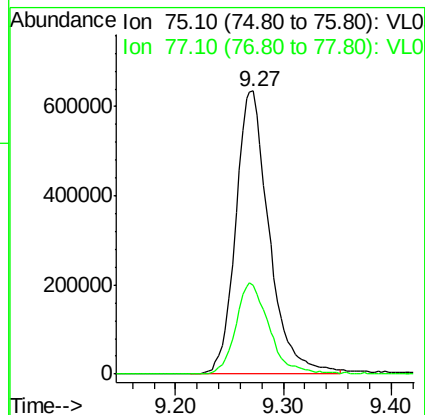
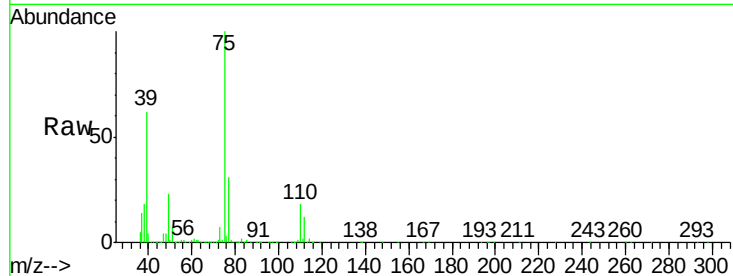
75 100

77 31.4 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 10.310 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

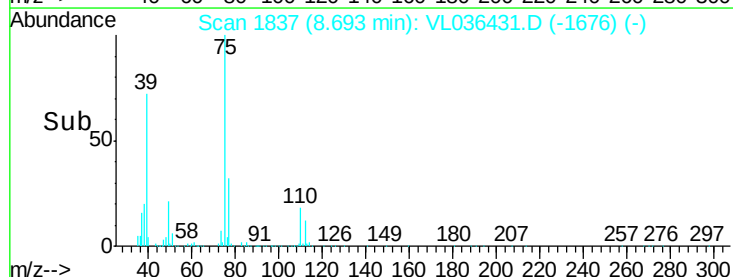
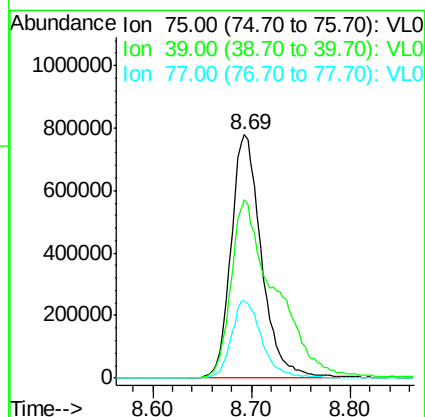
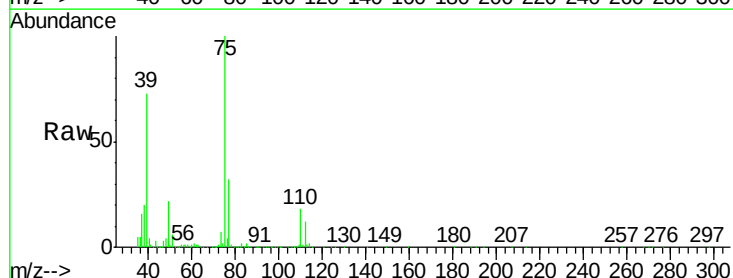
Tgt Ion: 75 Resp: 1672632

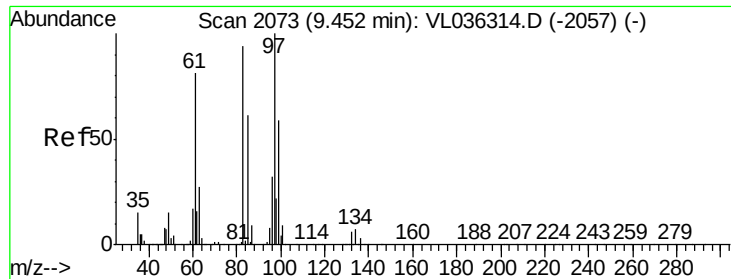
Ion Ratio Lower Upper

75 100

39 72.9 59.2 88.8

77 31.9 25.0 37.6





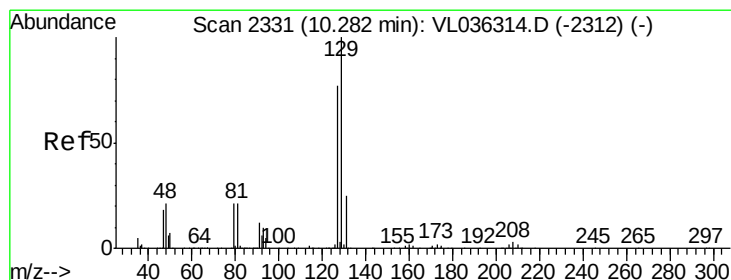
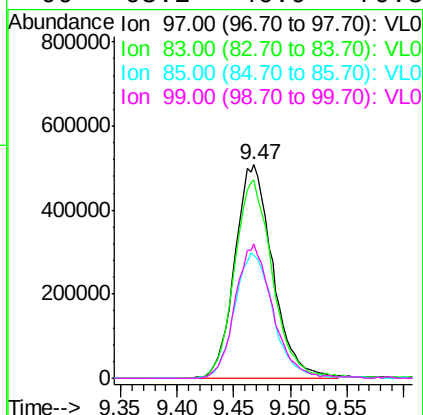
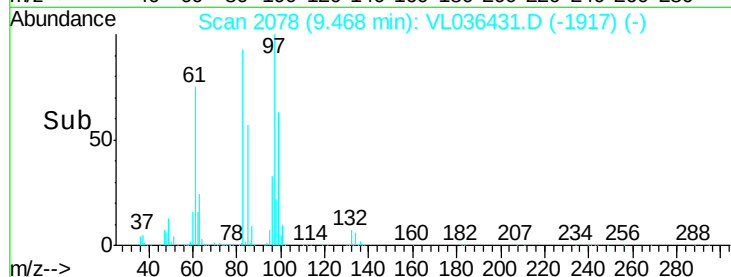
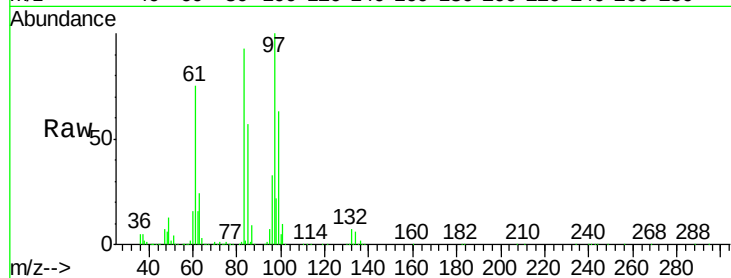
#47
 1,1,2-Trichloroethane
 Concen: 9.044 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.2	75.4	113.0	
85	57.4	48.9	73.3	
99	63.2	46.9	70.3	

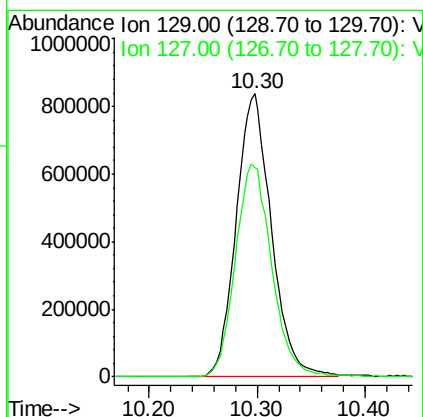
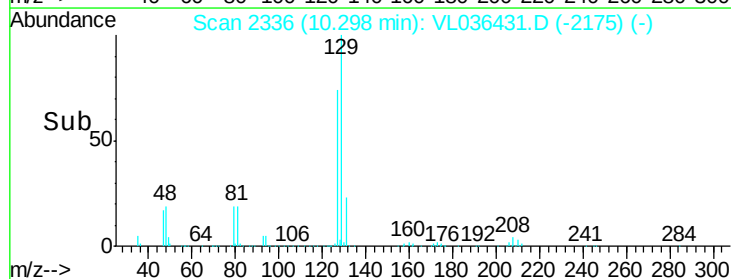
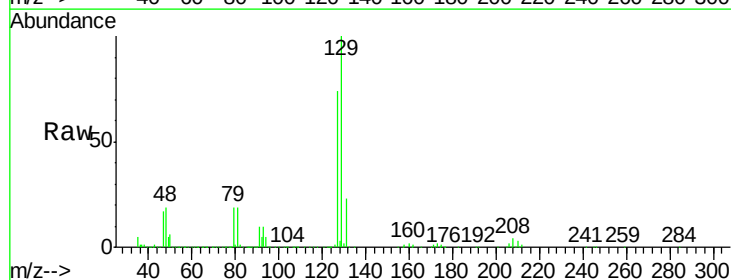
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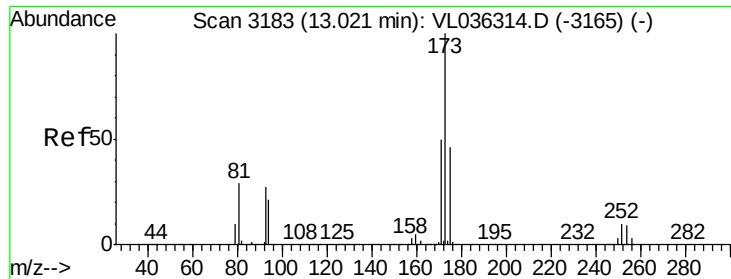
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#48
 Dibromochloromethane
 Concen: 9.799 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.1	117.2	





#49

Bromoform

Concen: 9.889 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1556879

Ion Ratio Lower Upper

173 100

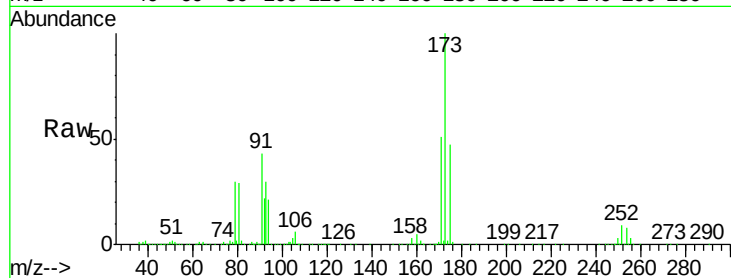
175 49.3 40.2 60.2

171 53.4 43.4 65.2

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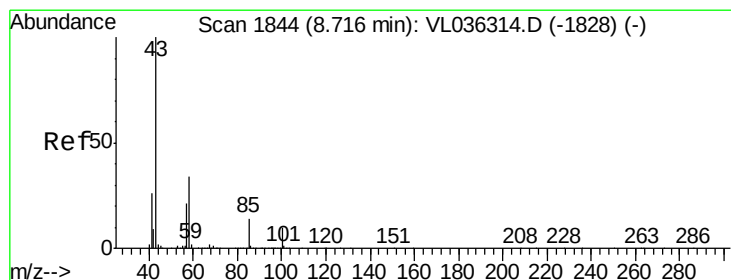
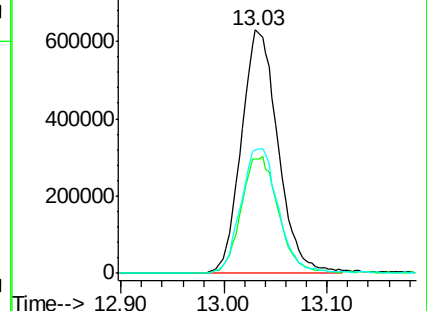
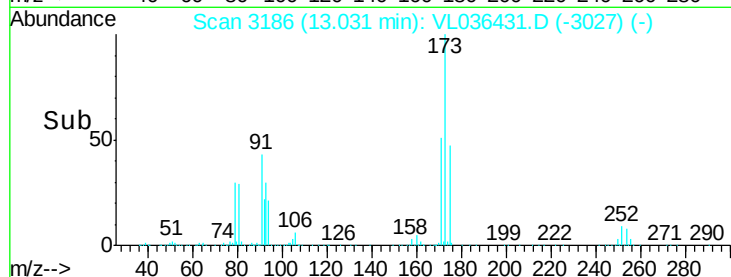
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.358 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL036431.D

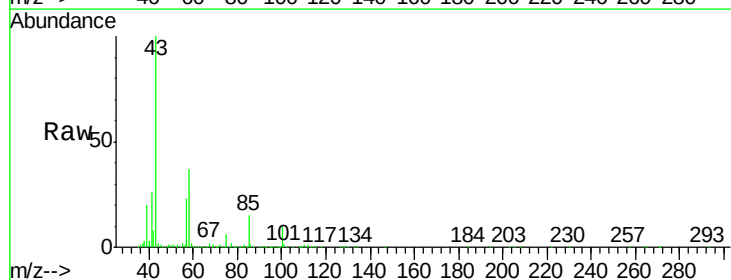
Acq: 2 Mar 2021 16:20

Tgt Ion: 43 Resp: 3411248

Ion Ratio Lower Upper

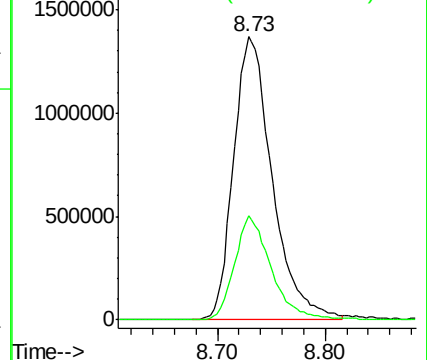
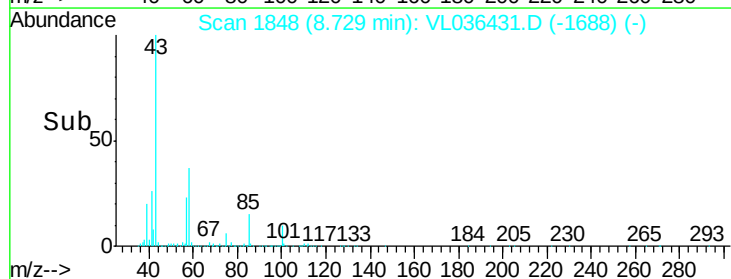
43 100

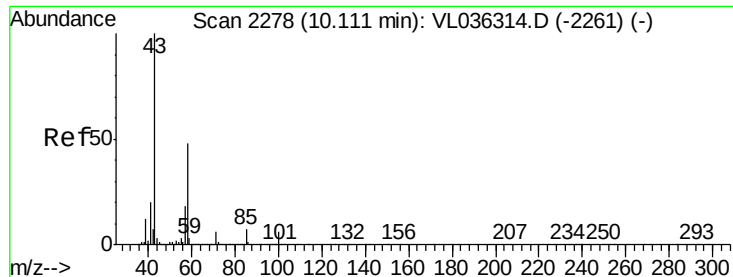
58 35.1 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.076 ppbv

RT: 10.12 min Scan# 2282

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2790768

Ion Ratio Lower Upper

43 100

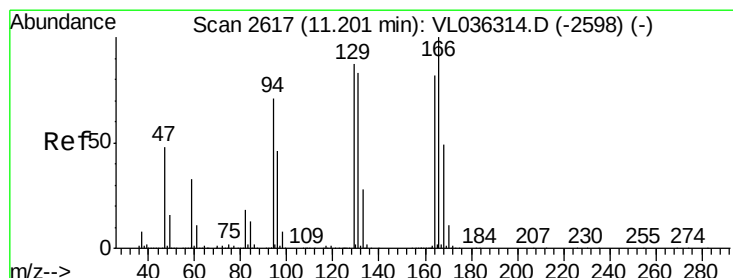
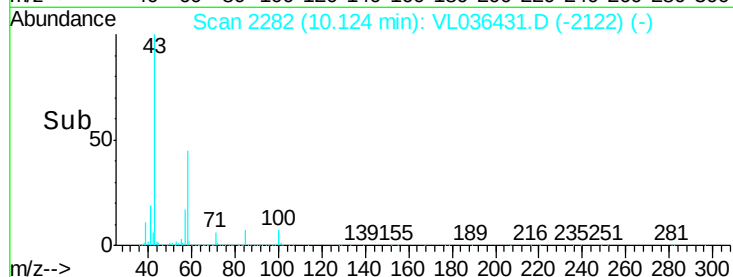
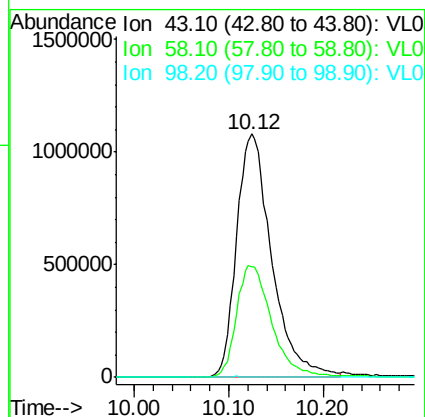
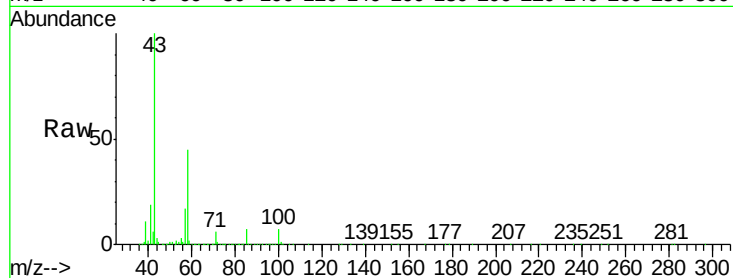
58 46.5 38.7 58.1

98 0.5 0.4 0.6

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#52

Tetrachloroethene

Concen: 8.238 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Tgt Ion: 164 Resp: 946812

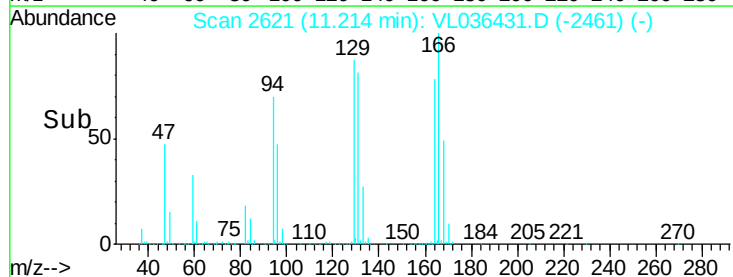
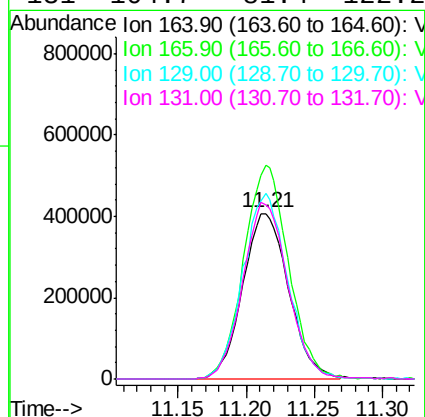
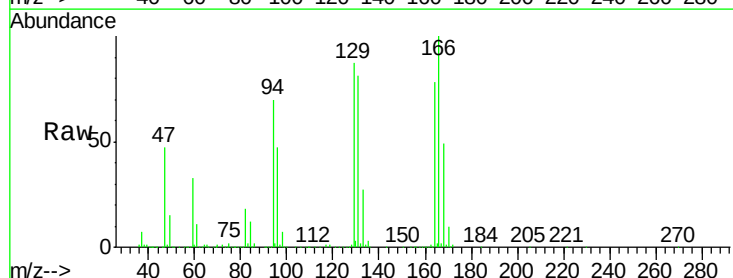
Ion Ratio Lower Upper

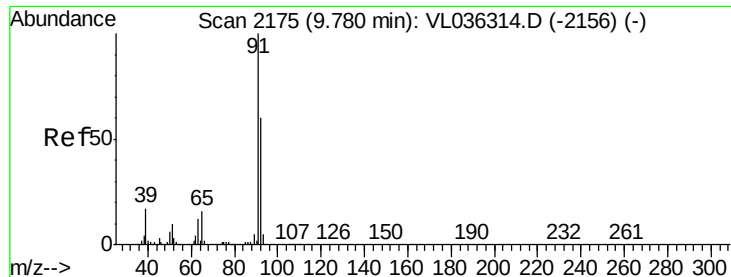
164 100

166 128.9 97.8 146.8

129 111.9 84.9 127.3

131 104.7 81.4 122.2





#53

Toluene

Concen: 9.602 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3265249

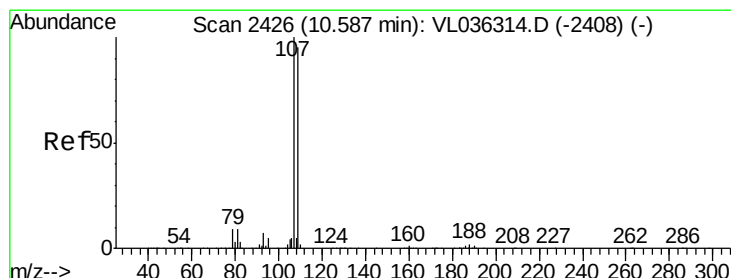
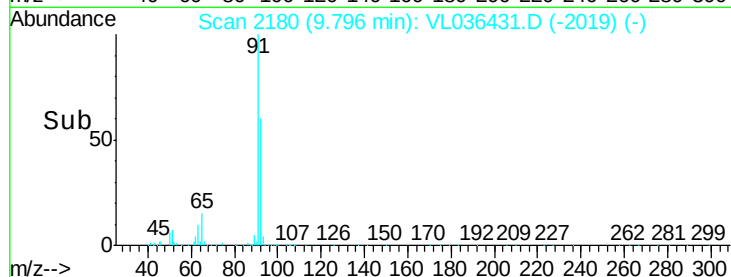
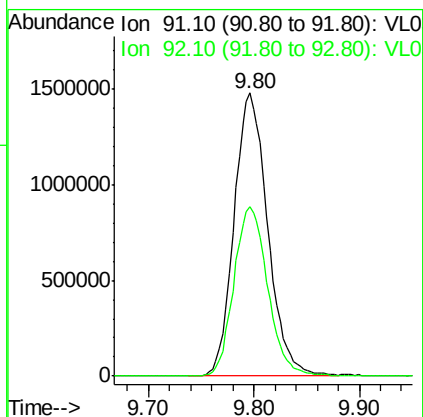
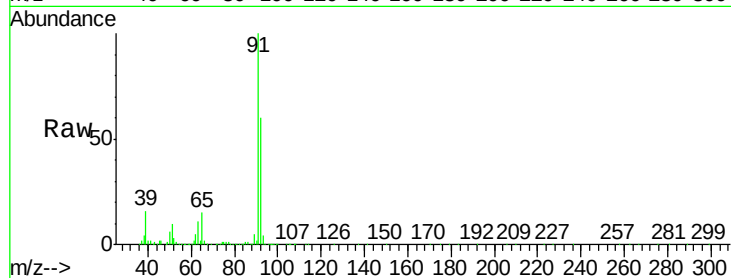
Ion Ratio Lower Upper

91 100

92 60.4 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.183 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.01 min

Lab File: VL036431.D

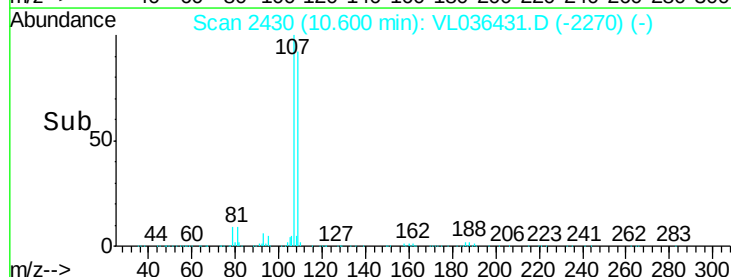
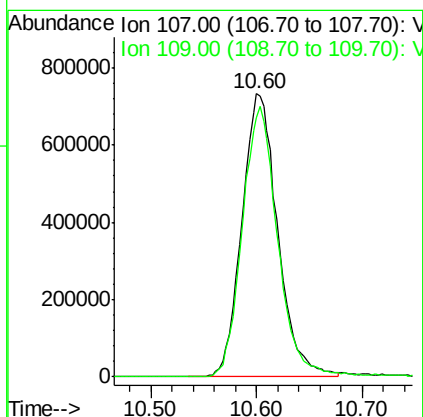
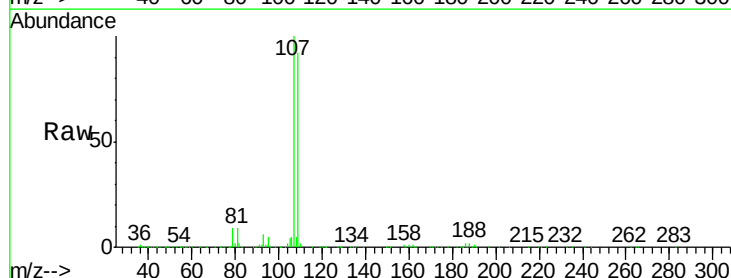
Acq: 2 Mar 2021 16:20

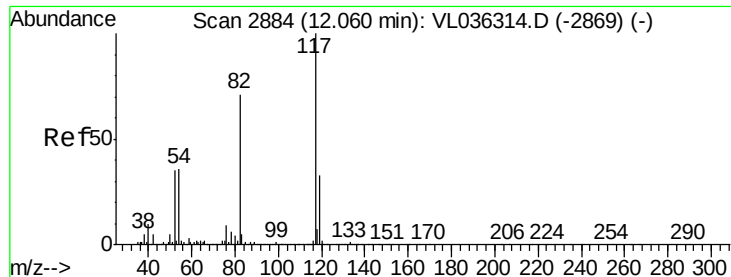
Tgt Ion: 107 Resp: 1731851

Ion Ratio Lower Upper

107 100

109 91.7 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.08 min Scan# 2890

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 3438687

Ion Ratio Lower Upper

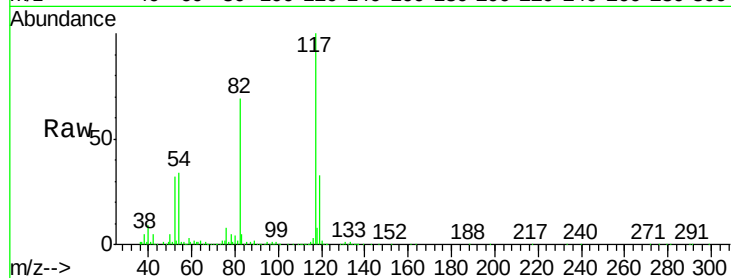
117 100

82 71.8 59.1 88.7

119 59.1 46.3 69.5

Manual Integrations
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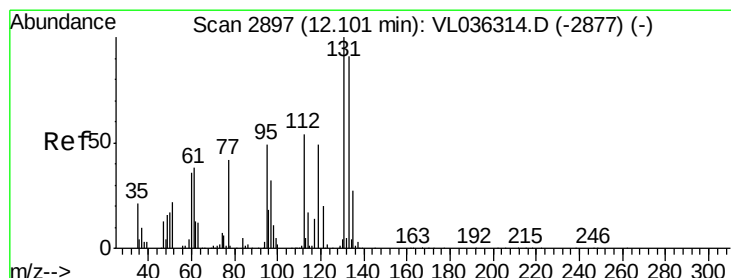
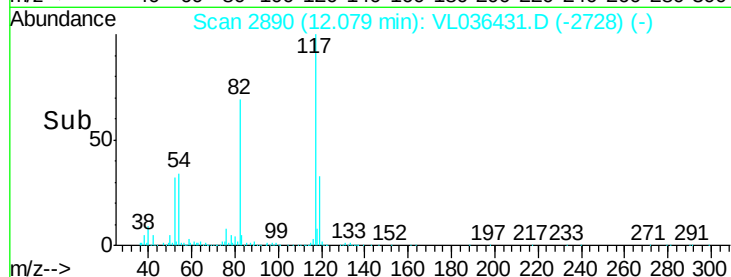
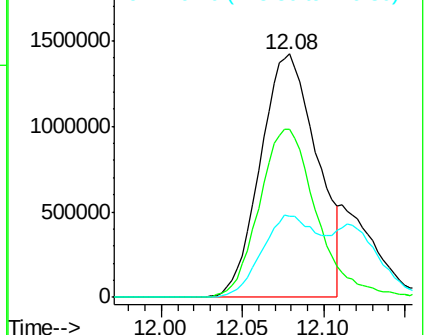
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.100 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

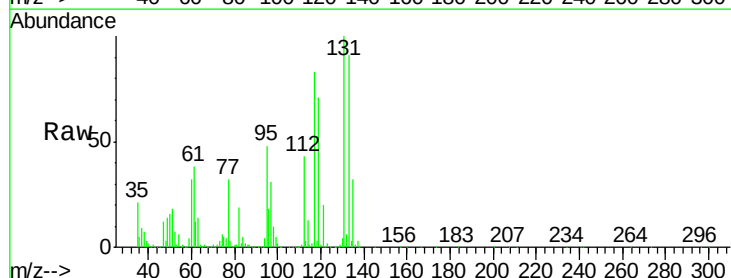
Tgt Ion:131 Resp: 1439253

Ion Ratio Lower Upper

131 100

133 94.5 76.0 114.0

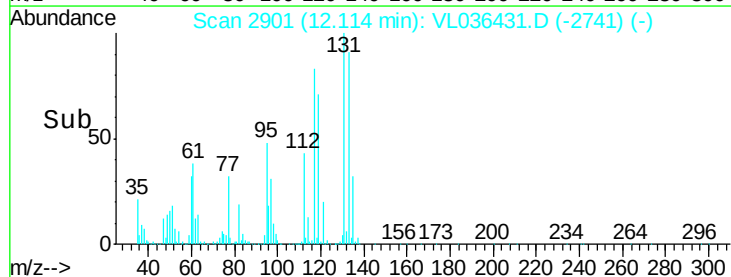
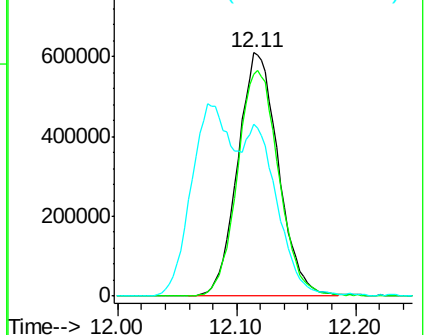
119 141.1 115.1 172.7

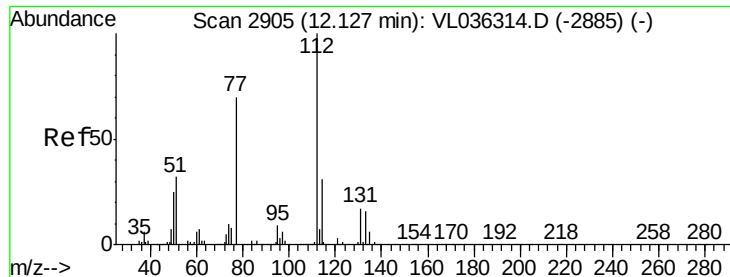


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.797 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2337304

Ion Ratio Lower Upper

112 100

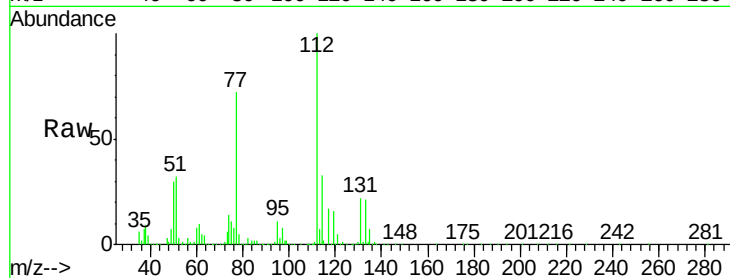
77 71.1 56.1 84.1

114 33.0 28.3 34.5

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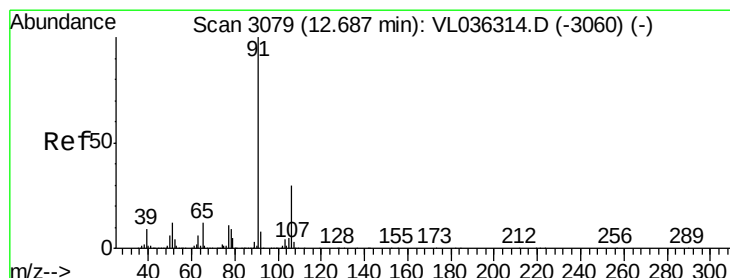
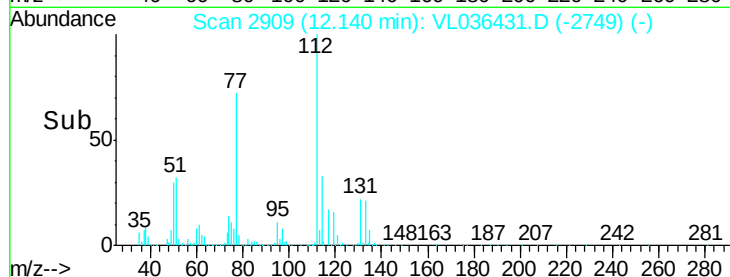
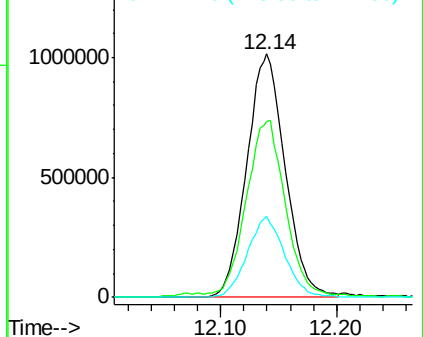
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.343 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.02 min

Lab File: VL036431.D

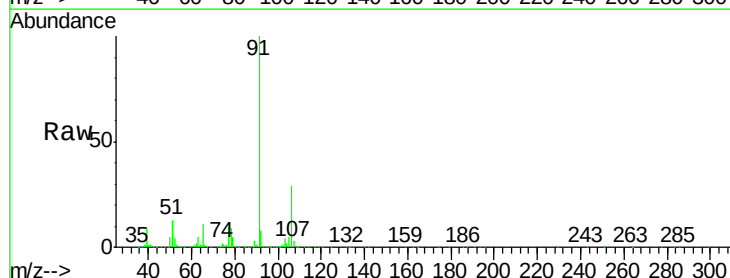
Acq: 2 Mar 2021 16:20

Tgt Ion: 91 Resp: 4399538

Ion Ratio Lower Upper

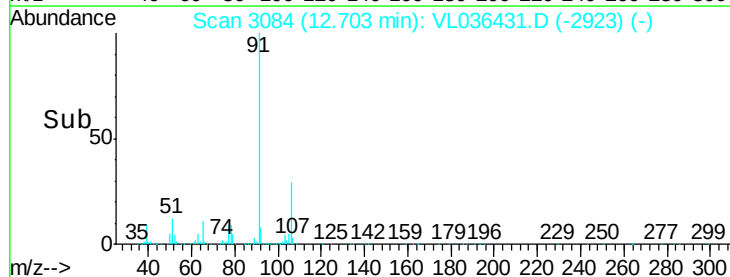
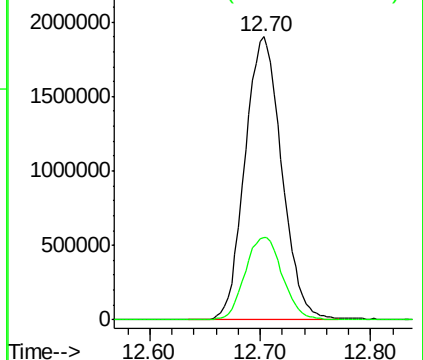
91 100

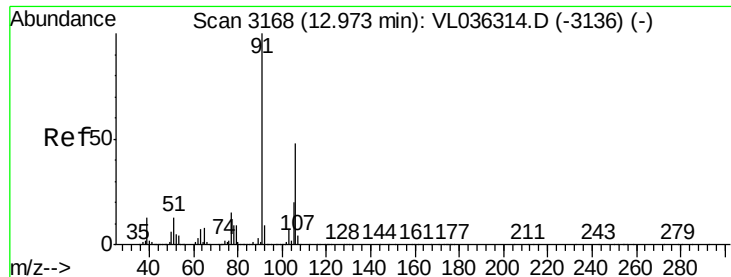
106 29.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





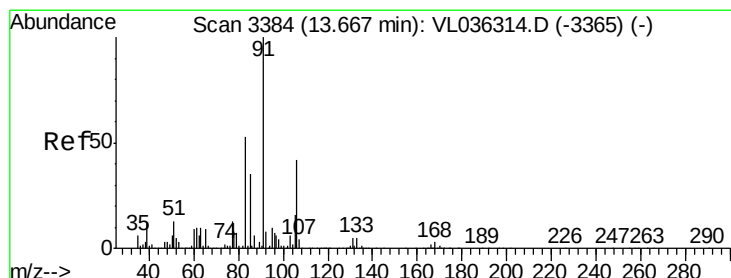
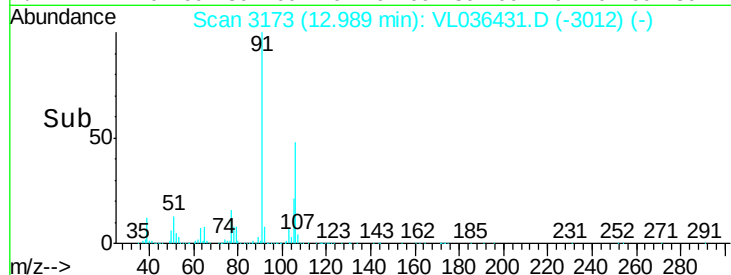
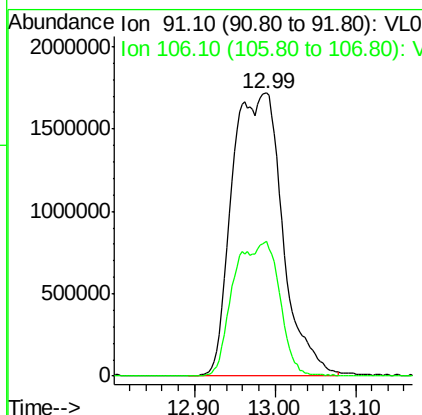
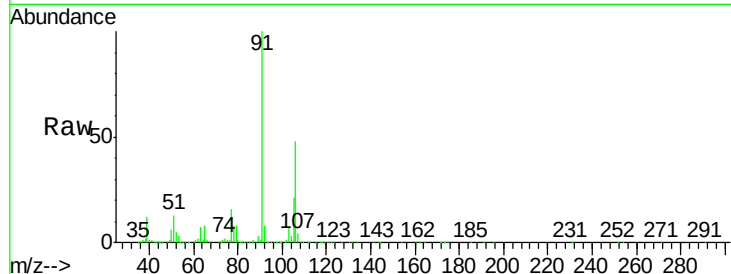
#59
m/p-Xylene
Concen: 17.933 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7416829
Ion Ratio Lower Upper
91 100
106 43.1 34.2 51.2

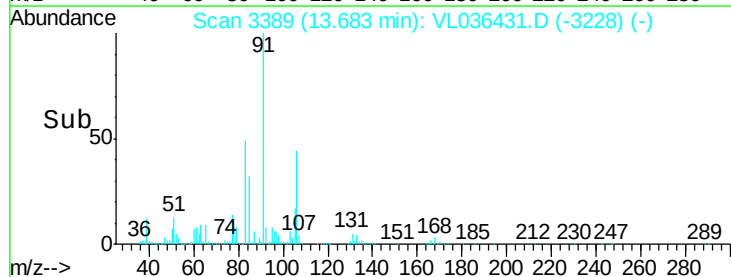
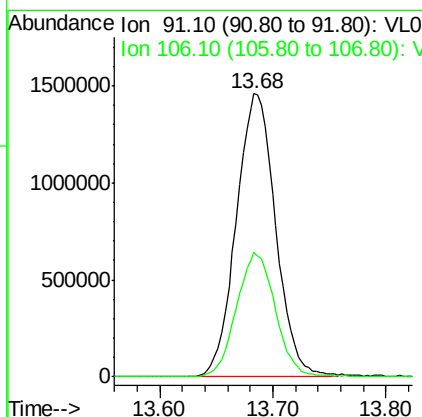
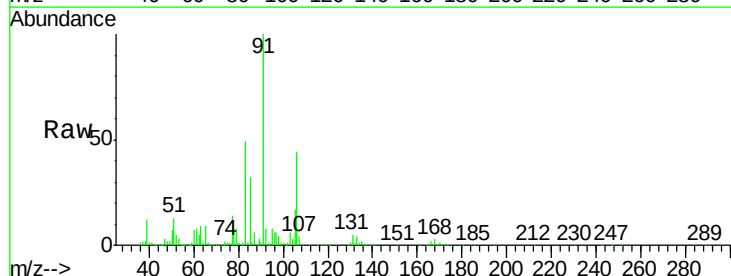
Manual Integrations
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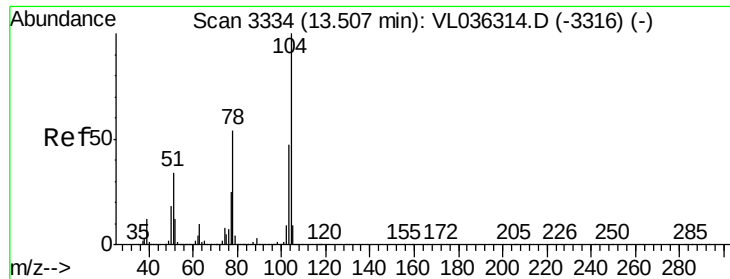
MMDadoda
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#60
o-Xylene
Concen: 8.883 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.02 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion: 91 Resp: 3512700
Ion Ratio Lower Upper
91 100
106 43.9 22.0 66.0





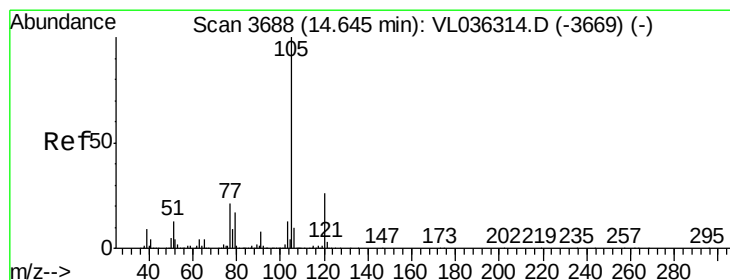
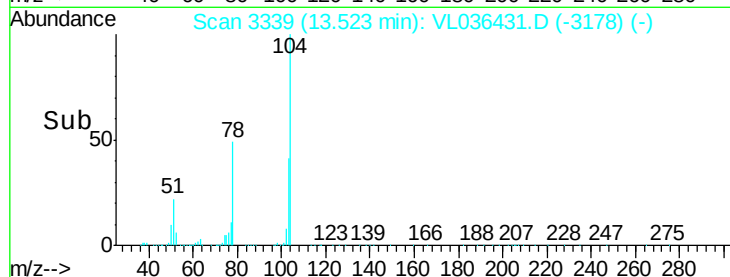
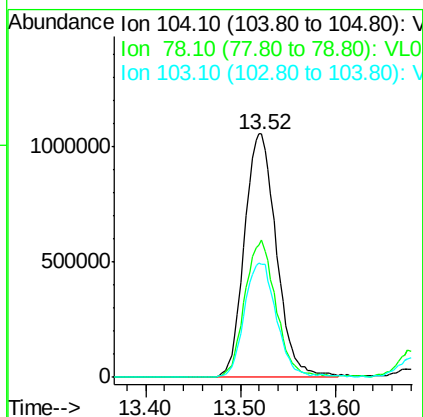
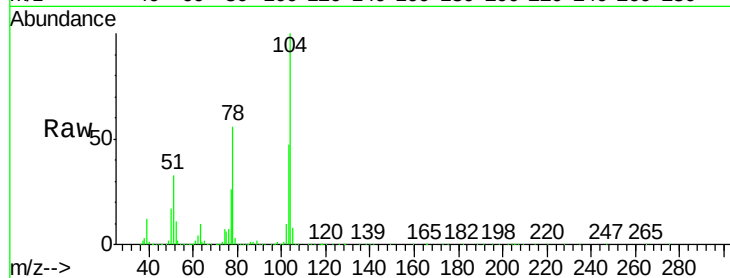
#61
Stvrene
Concen: 10.126 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.02 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 2481698
Ion Ratio Lower Upper
104 100
78 55.5 46.2 69.2
103 47.5 38.3 57.5

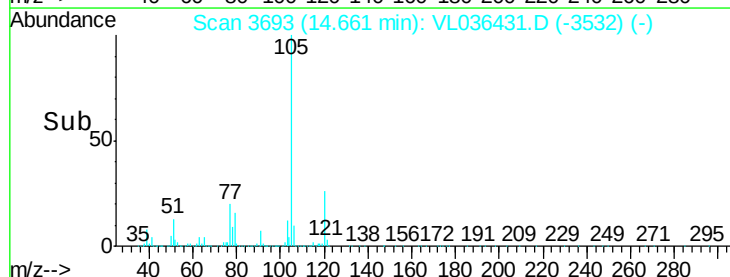
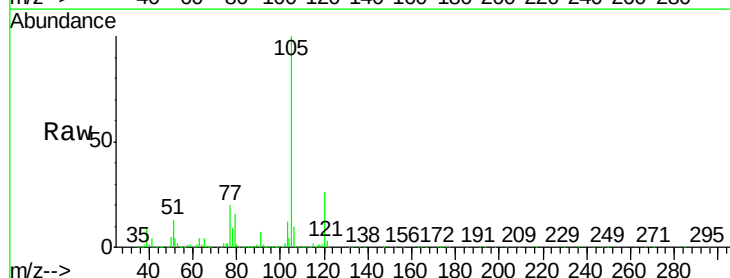
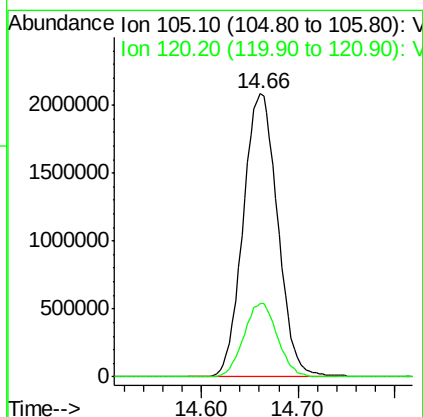
Manual Integrations
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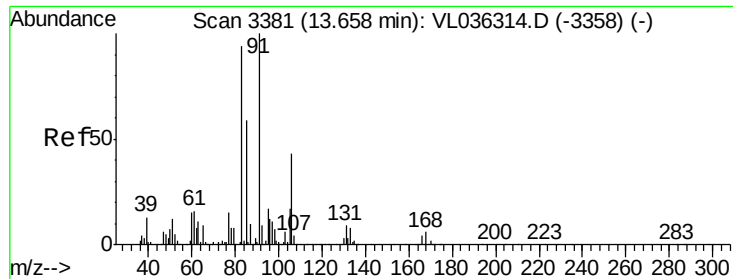
MMDadoda
3/3/2021 1:52:38 PM



#62
Isopropylbenzene
Concen: 8.707 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.02 min
Lab File: VL036431.D
Acq: 2 Mar 2021 16:20

Tgt Ion:105 Resp: 5161163
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8





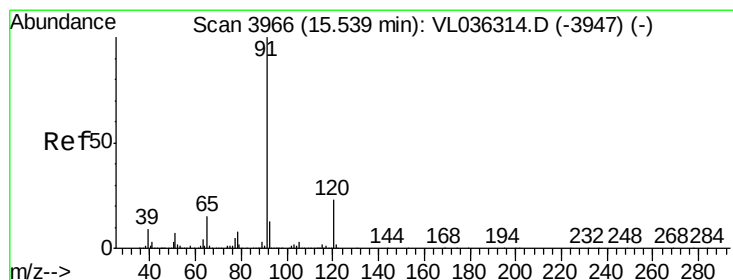
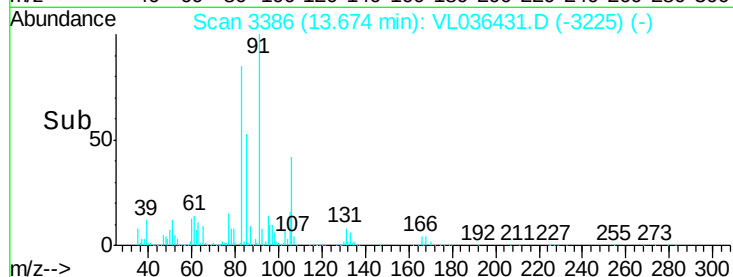
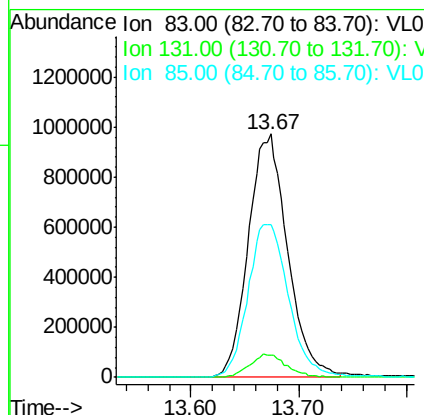
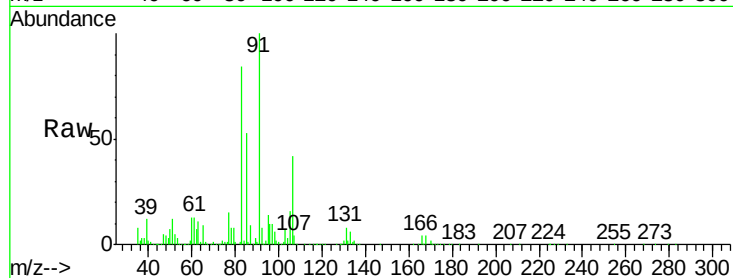
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.868 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2454880
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.7 14.0
 85 66.0 33.0 98.9

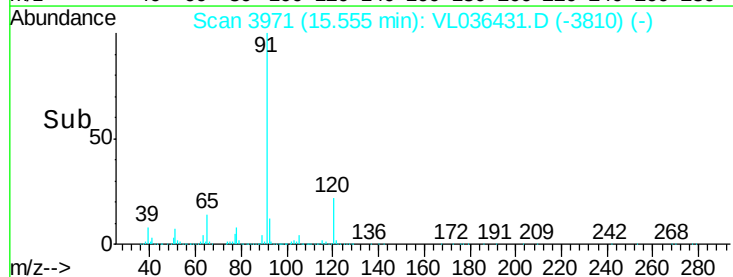
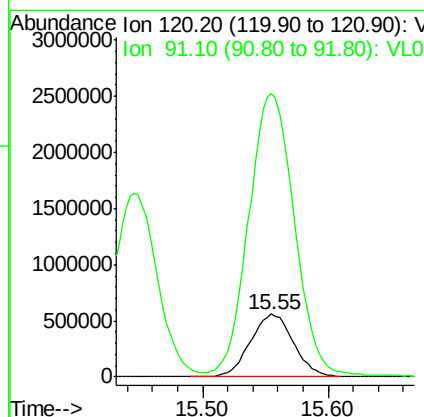
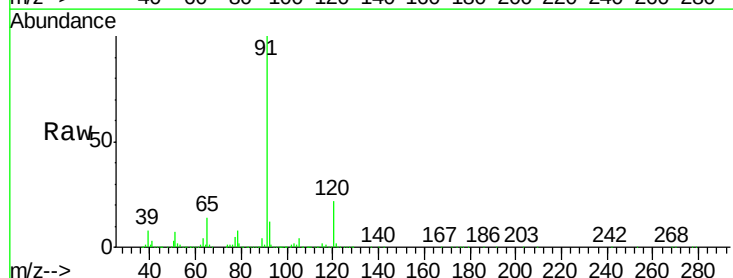
Manual Integrations
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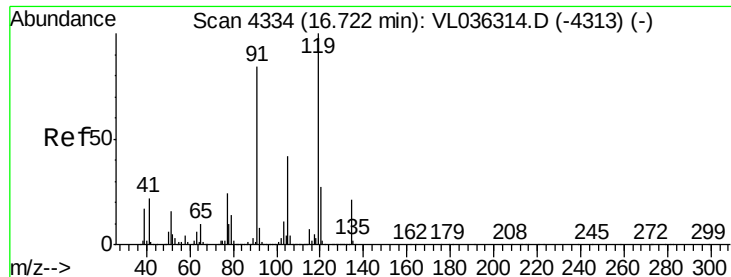
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.177 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion: 120 Resp: 1338794
 Ion Ratio Lower Upper
 120 100
 91 482.4 387.2 580.8





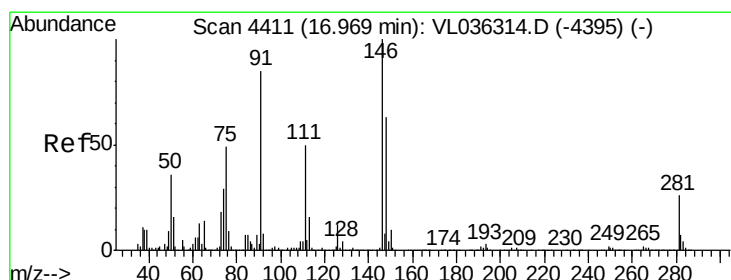
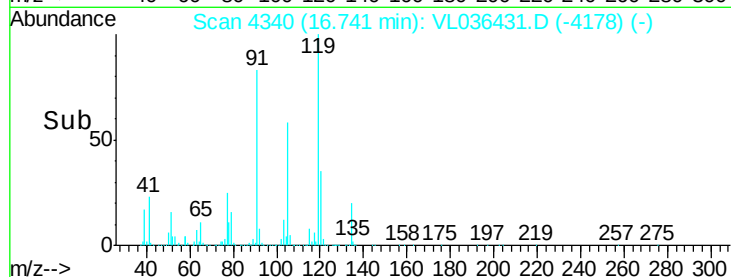
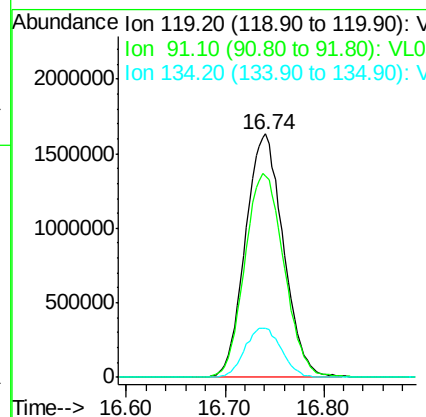
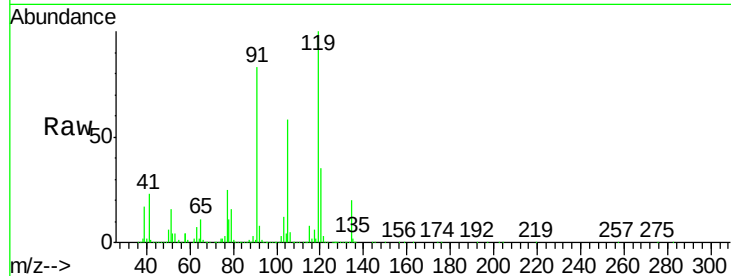
#65
 tert-Butylbenzene
 Concen: 8.561 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 4341877
 Ion Ratio Lower Upper
 119 100
 91 86.8 70.5 105.7
 134 19.7 15.8 23.8

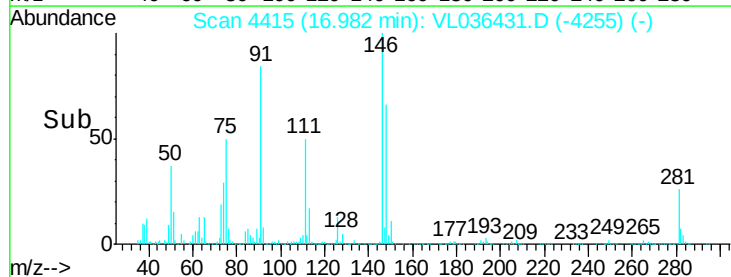
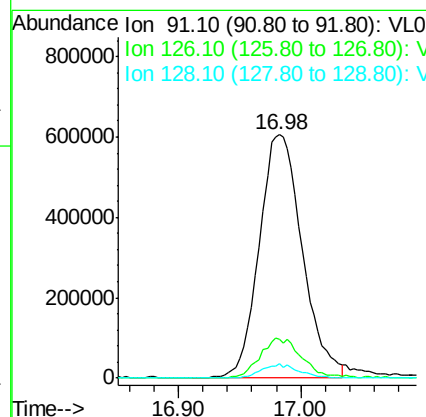
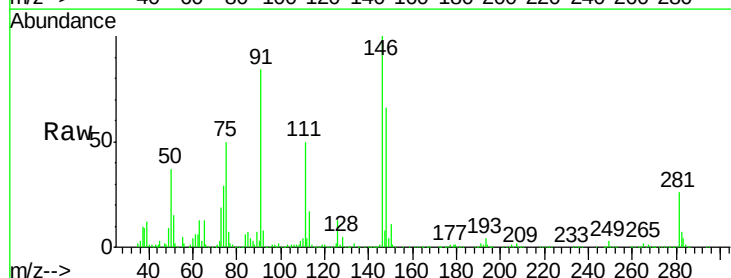
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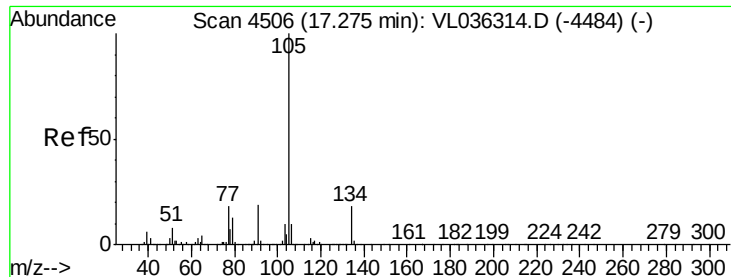
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#66
 Benzyl Chloride
 Concen: 10.709 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion: 91 Resp: 1476448
 Ion Ratio Lower Upper
 91 100
 126 16.3 12.9 19.3
 128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.551 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6254580

Ion Ratio Lower Upper

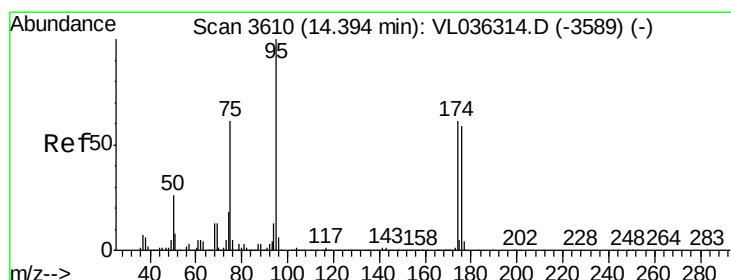
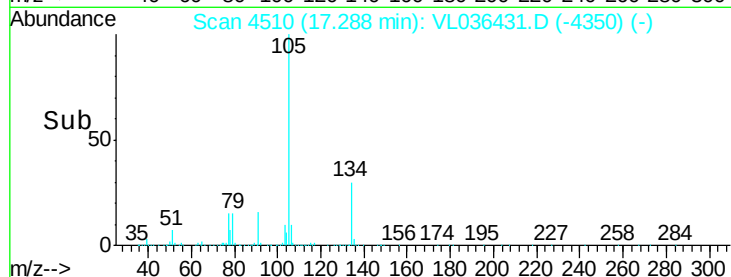
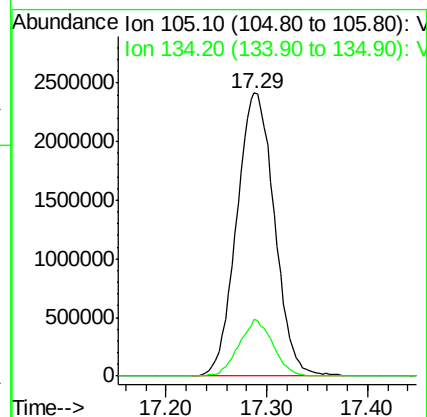
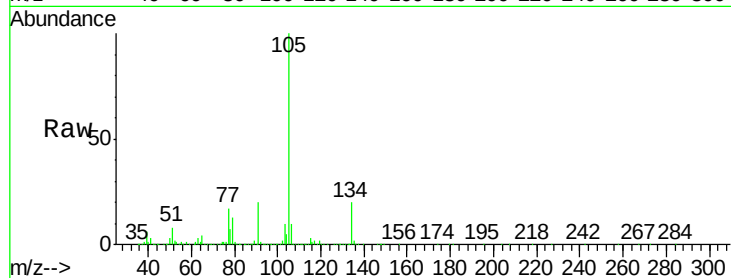
105 100

134 18.3 14.2 21.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.195 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

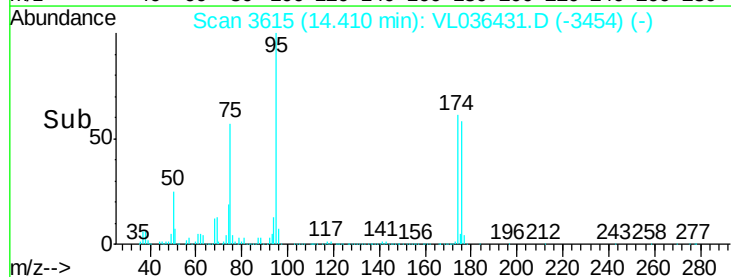
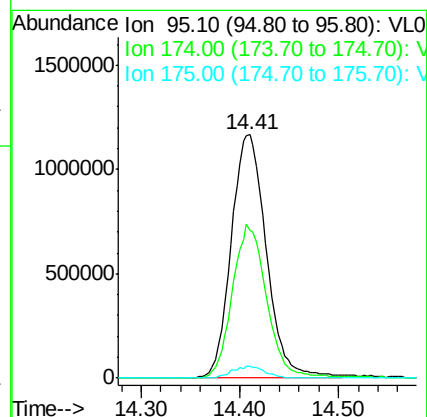
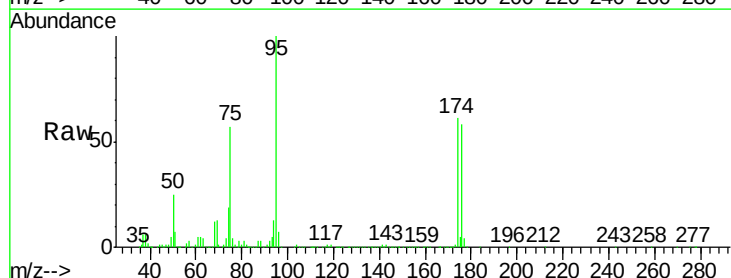
Tgt Ion: 95 Resp: 2884504

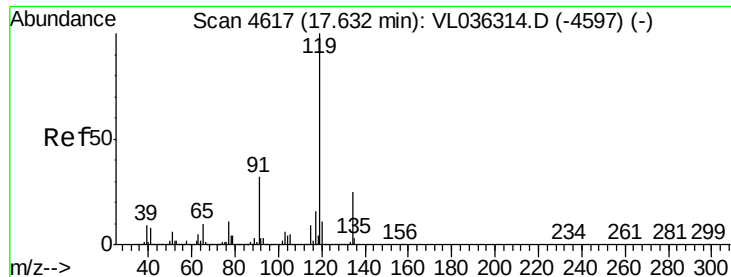
Ion Ratio Lower Upper

95 100

174 62.5 49.8 74.6

175 4.8 3.7 5.5





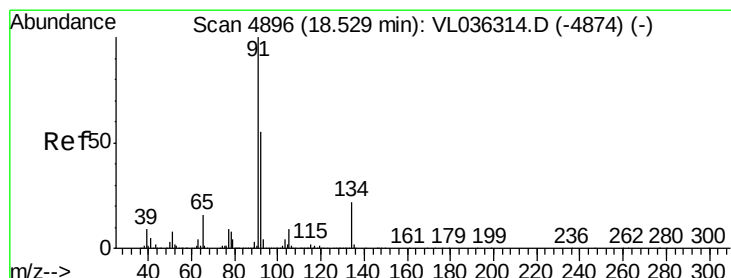
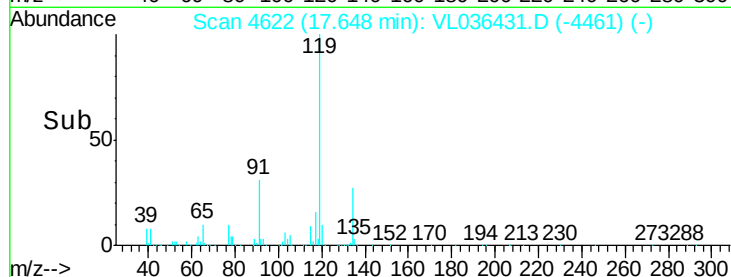
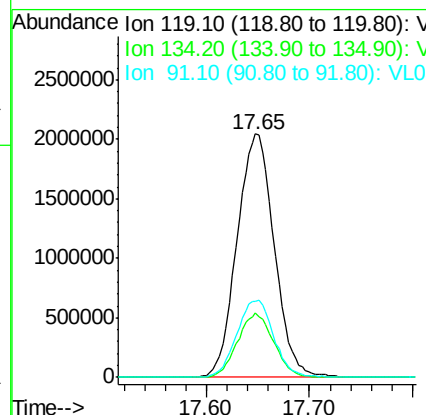
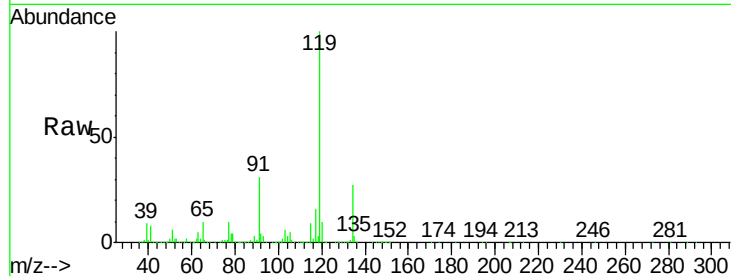
#69
 p-Isopropyltoluene
 Concen: 9.051 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.1	30.1
91	31.5	25.8	38.6

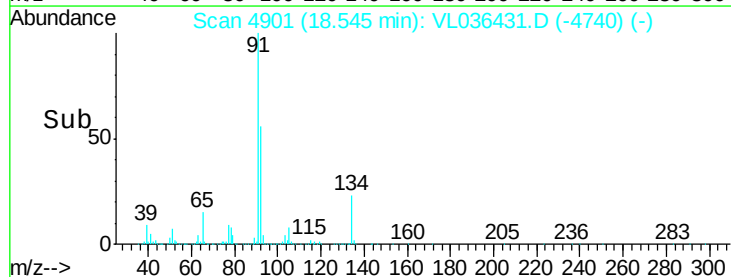
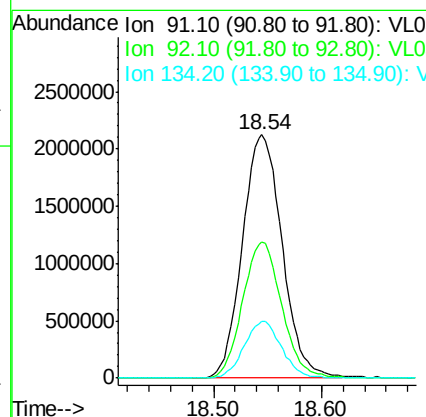
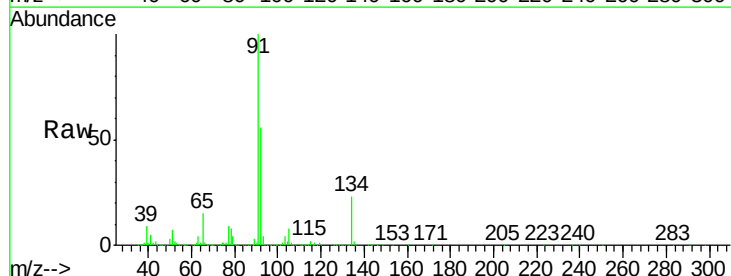
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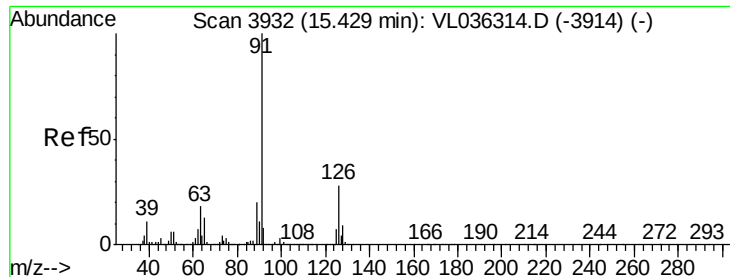
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#70
 n-Butylbenzene
 Concen: 8.959 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	43.7	65.5
134	22.3	17.4	26.0





#71

2-Chlorotoluene

Concen: 8.775 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3987168

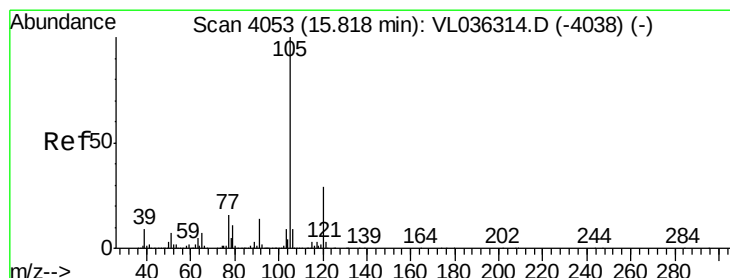
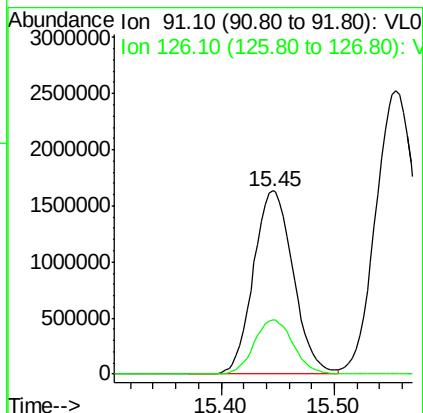
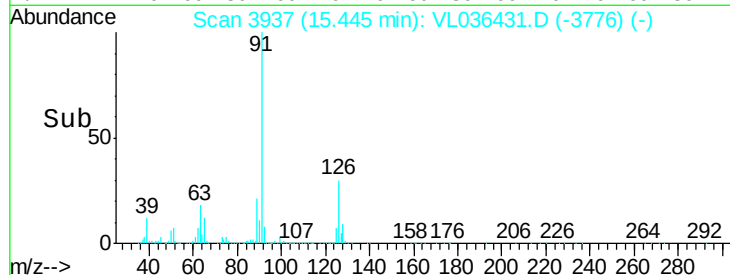
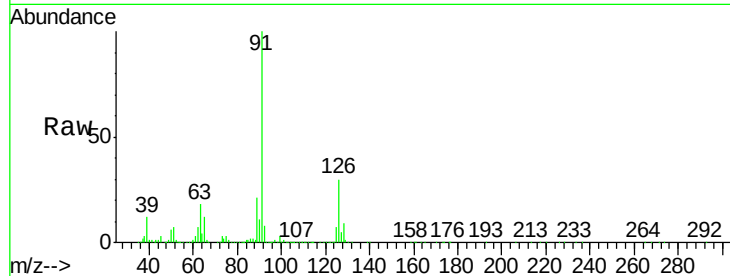
Ion Ratio Lower Upper

91 100

126 29.5 11.5 46.1

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#72

4-Ethyltoluene

Concen: 9.032 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Tgt Ion: 105 Resp: 3974946

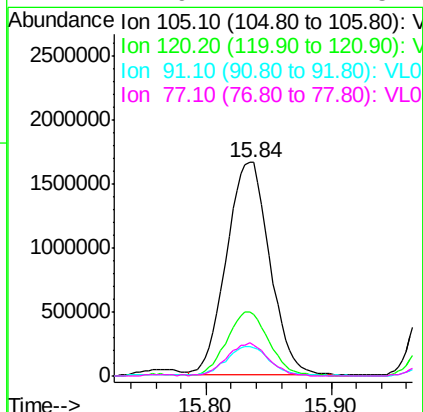
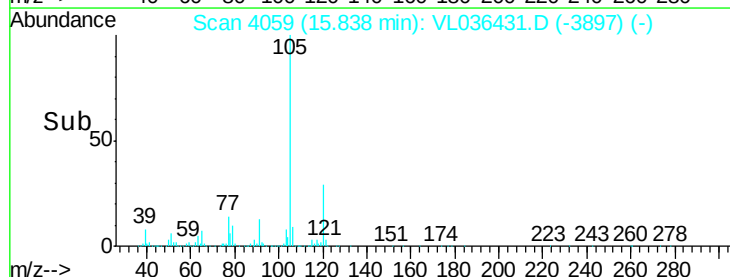
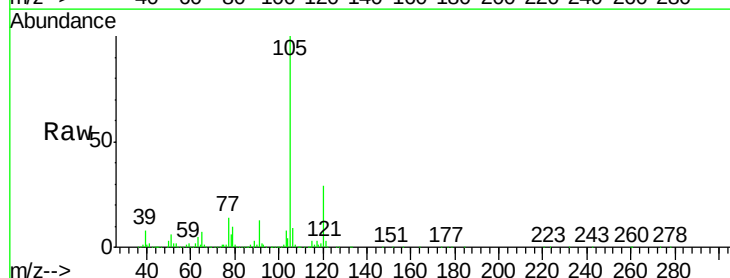
Ion Ratio Lower Upper

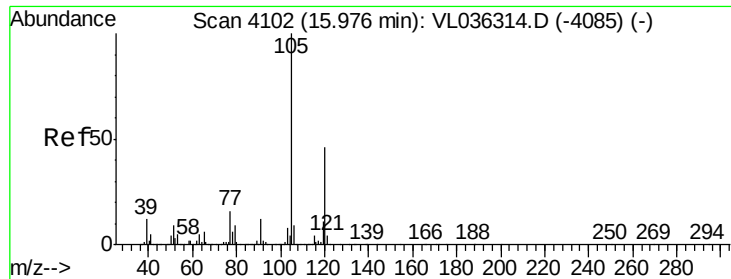
105 100

120 29.6 23.2 34.8

91 13.7 11.0 16.4

77 14.9 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.761 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3737406

Ion Ratio Lower Upper

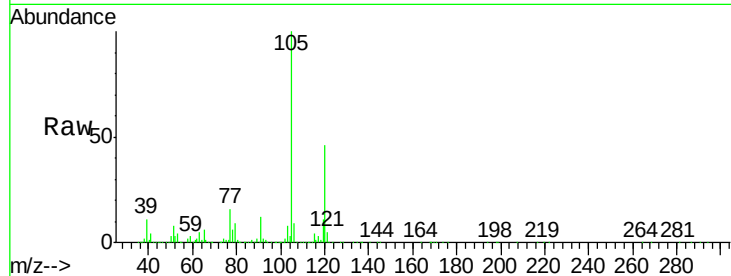
105 100

120 45.5 36.9 55.3

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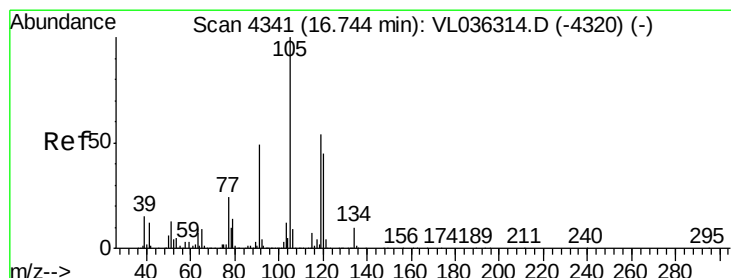
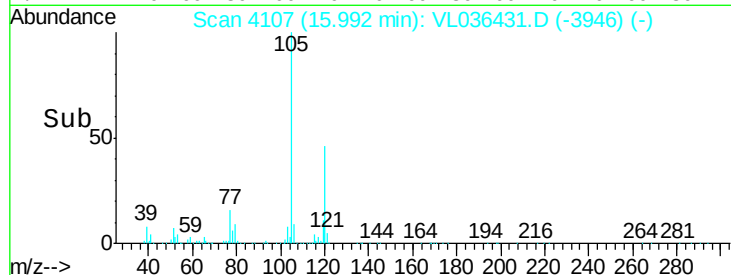
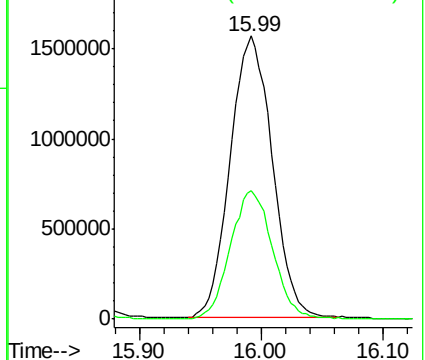
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.654 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Tgt Ion:105 Resp: 3769177

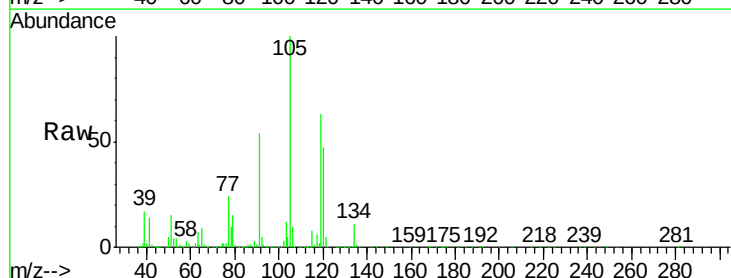
Ion Ratio Lower Upper

105 100

120 47.3 35.8 53.6

91 53.0 39.8 59.6

77 23.4 19.1 28.7

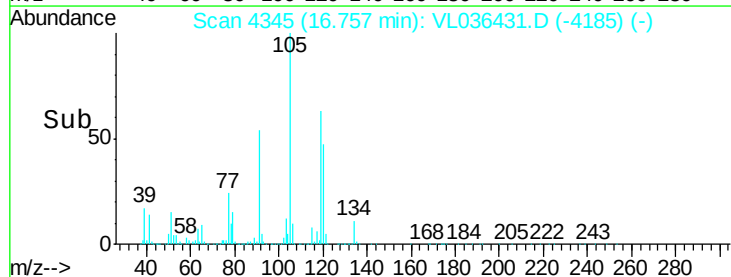
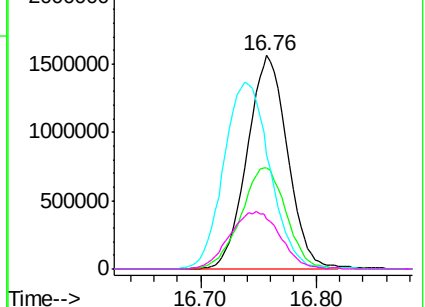


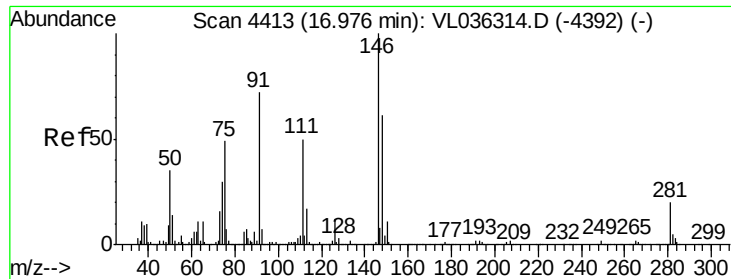
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





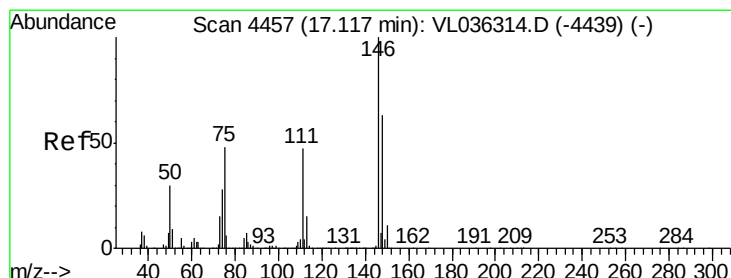
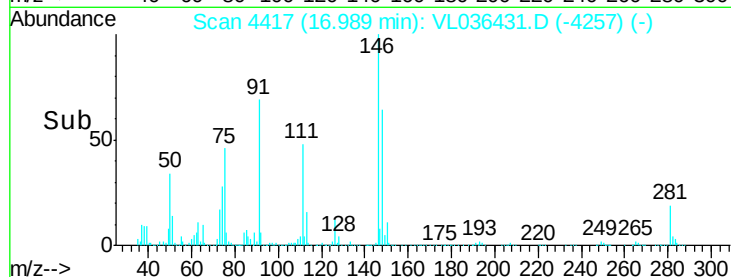
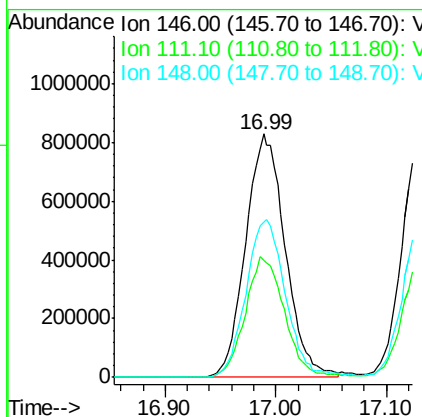
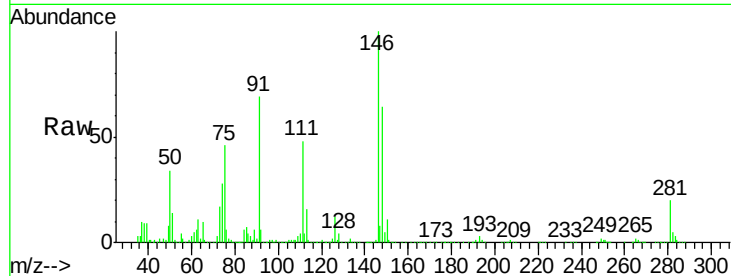
#75
 1,3-Dichlorobenzene
 Concen: 8.711 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.9	74.6
148	65.1	31.9	95.9

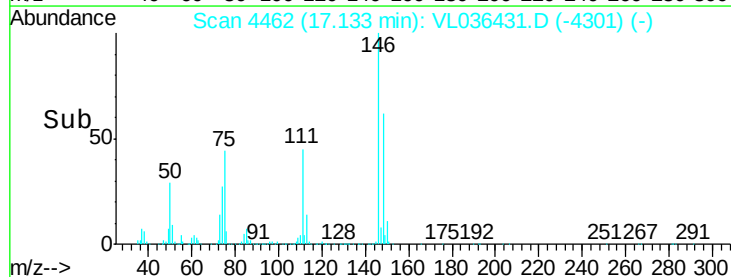
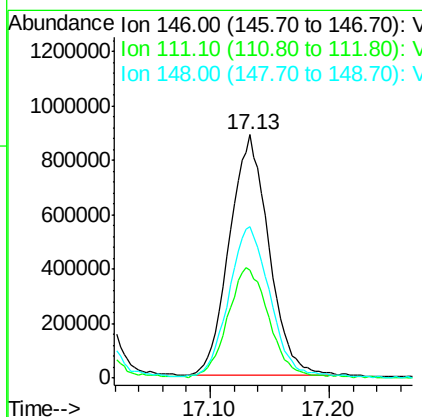
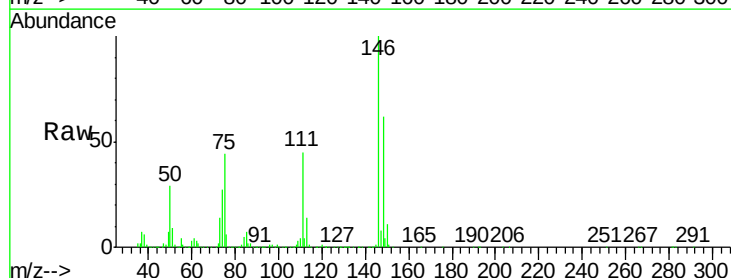
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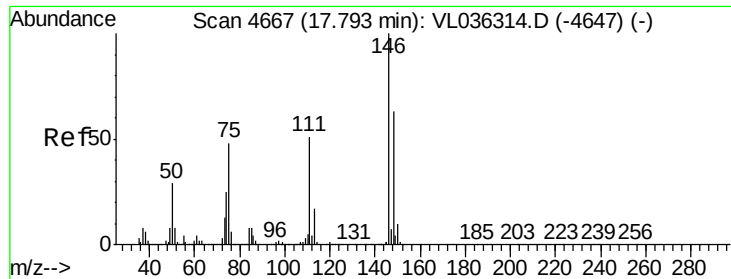
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#76
 1,4-Dichlorobenzene
 Concen: 8.305 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	23.6	71.0
148	66.9	31.6	95.0





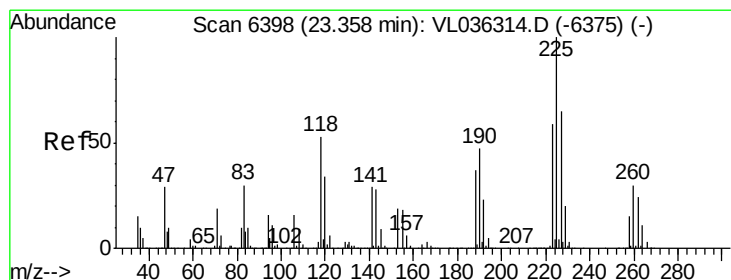
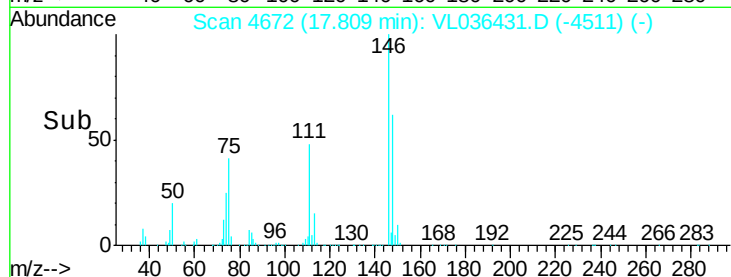
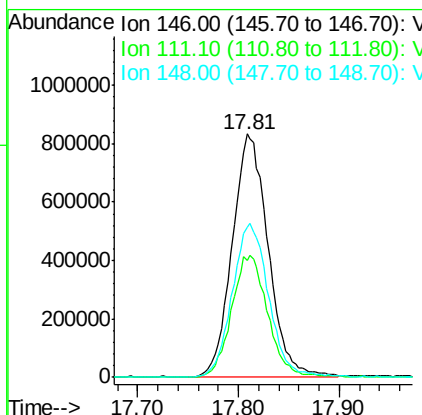
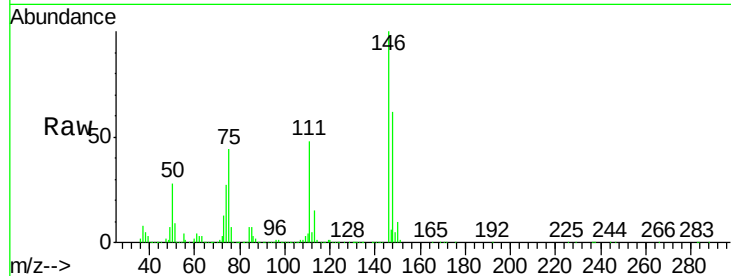
#77
 1,2-Dichlorobenzene
 Concen: 8.778 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2058552
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.9 77.8
 148 63.9 32.5 97.4

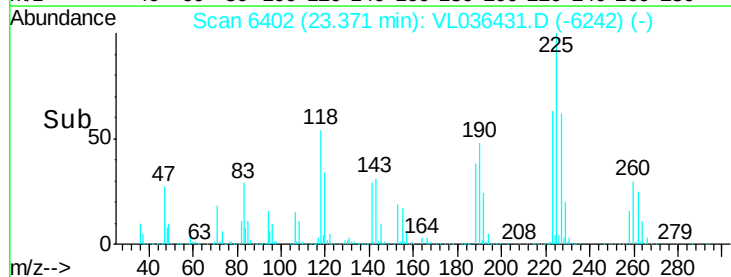
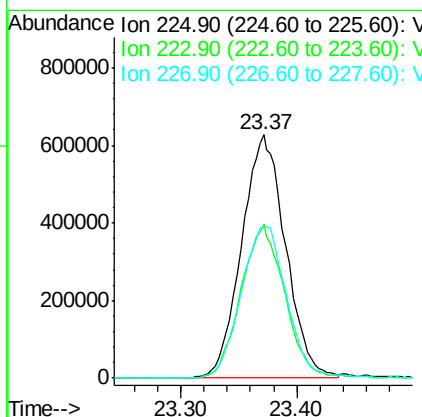
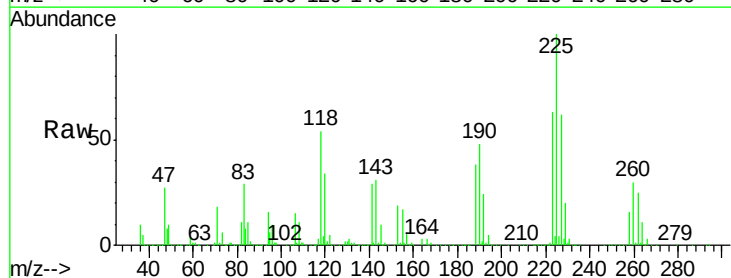
Manual Integrations
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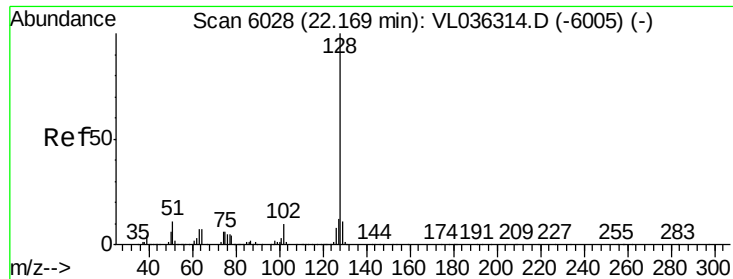
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.600 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.01 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Tgt Ion:225 Resp: 1647713
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.8 76.2
 227 64.7 52.2 78.2





#79

Naphthalene

Concen: 12.613 ppbv m

RT: 22.19 min Scan# 6034

Delta R.T. 0.02 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3256238

Ion Ratio Lower Upper

128 100

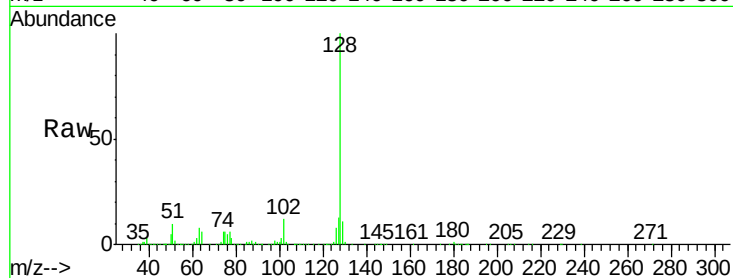
127 13.1 9.6 14.4

129 11.2 8.5 12.7

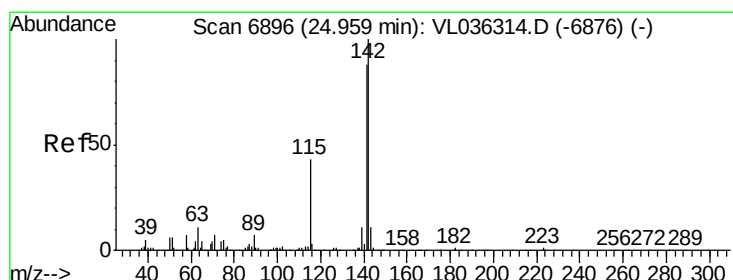
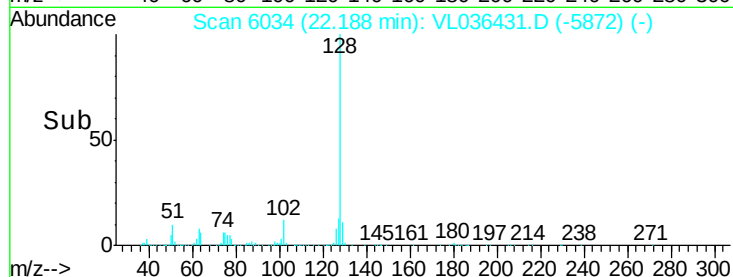
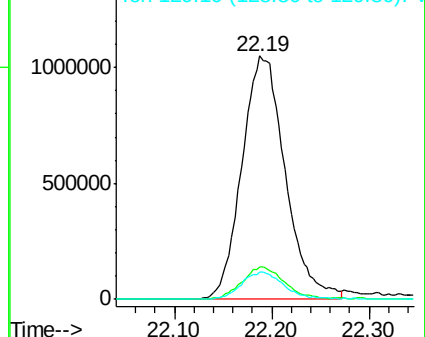
Manual Integrations
APPROVED

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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: 17.759 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL036431.D

Acq: 2 Mar 2021 16:20

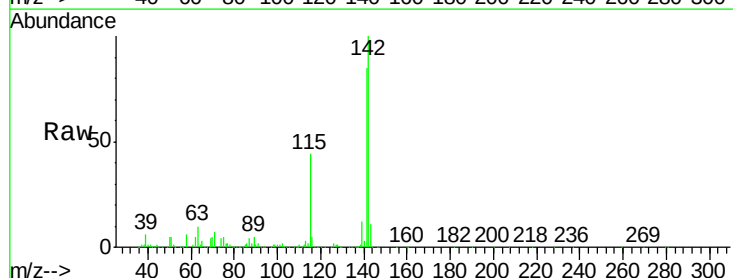
Tgt Ion:142 Resp: 848902

Ion Ratio Lower Upper

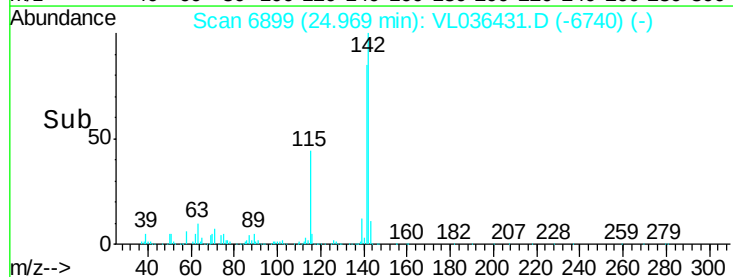
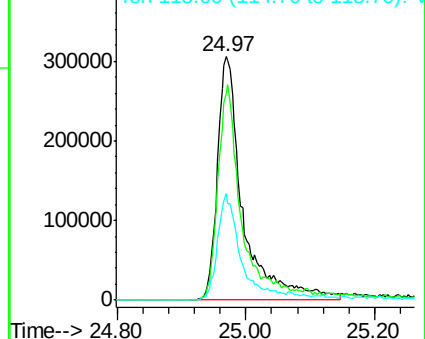
142 100

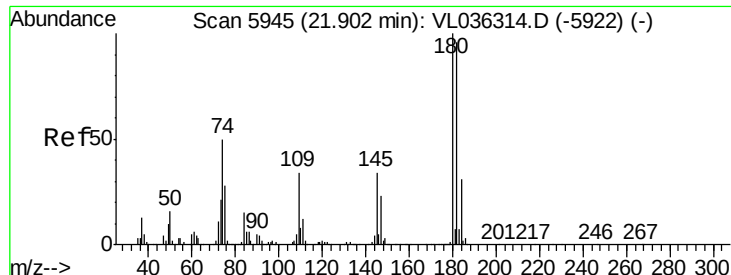
141 82.7 64.4 96.6

115 43.0 34.6 51.8



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





#81
 1,2,4-Trichlorobenzene
 Concen: 10.656 ppbv m
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL036431.D
 Acq: 2 Mar 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	80.2	120.4
184	31.2	25.0	37.6

Manual Integrations
 APPROVED

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