

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036699.D
 Acq On : 6 Apr 2021 11:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:54 PM

Quant Time: Apr 06 12:32:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1282020	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3308642	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3031989m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2532478	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1634945	7.819 ppbv	98
3) Chlorodifluoromethane	2.99	51	2344132	9.786 ppbv	99
4) Chloromethane	3.14	50	794909	9.395 ppbv	90
5) Vinyl Chloride	3.26	62	811695	9.330 ppbv	97
6) Bromomethane	3.47	94	460286	9.610 ppbv	88
7) Chloroethane	3.56	64	286611	9.588 ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1865734	9.349 ppbv	96
9) Propene	3.01	41	774513	10.143 ppbv	99
10) Heptane	8.13	43	2039583	10.485 ppbv	99
11) Trichlorofluoromethane	3.95	101	1932121	9.067 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1264455	9.281 ppbv	97
13) Ethanol	3.60	45	98056	10.783 ppbv	98
14) Bromoethene	3.74	108	551229	9.732 ppbv	100
15) Acetone	3.86	43	964337m	7.643 ppbv	
16) 1,3-Butadiene	3.33	39	971848	11.063 ppbv	90
17) tert-Butyl alcohol	4.29	59	1164602	10.602 ppbv	99
18) 1,1-Dichloroethene	4.29	96	577630	9.531 ppbv	98
19) Isopropyl Alcohol	3.97	45	707120	10.187 ppbv	99
20) Methylene Chloride	4.34	84	500208	8.467 ppbv	92
21) Allyl Chloride	4.41	41	1011505	10.056 ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	565248	10.060 ppbv	90
23) Vinyl Acetate	5.08	43	2248325m	10.417 ppbv	
24) 1,1-Dichloroethane	5.01	63	1531799	9.737 ppbv	98
25) Ethyl Acetate	5.68	43	3135629	10.453 ppbv	99
26) Hexane	5.69	57	1531398	11.000 ppbv	96
27) Carbon Disulfide	4.55	76	1378854	10.054 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1713679	10.438 ppbv	98
29) Chloroform	5.75	83	2196162	9.864 ppbv	100
30) Cyclohexane	7.13	84	1222251	10.826 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1405328	10.437 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2235730	9.964 ppbv	99
34) 2-Butanone	5.25	43	1493166	9.245 ppbv	97
35) Carbon Tetrachloride	7.02	117	2343234	9.221 ppbv	99
36) Benzene	6.90	78	3015039	9.881 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1703269	9.484 ppbv	100
38) Trichloroethene	7.84	130	1092694	9.201 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1161572	9.384 ppbv	98
40) 1,4-Dioxane	7.84	88	260761	9.051 ppbv	# 1
41) Tetrahydrofuran	6.05	42	743153	9.980 ppbv	97
42) Bromodichloromethane	7.79	83	2356387	9.646 ppbv	100
43) Methyl Methacrylate	8.02	69	1086797	10.606 ppbv	98

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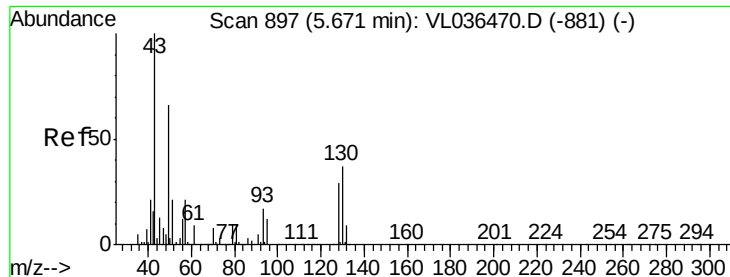
Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5740691	10.689	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1294558	11.064	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1581656	10.575	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1189249	9.485	ppbv	96
48) Dibromochloromethane	10.31	129	1962717	10.269	ppbv	100
49) Bromoform	13.05	173	1589451	10.321	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2338167	10.005	ppbv	100
51) 2-Hexanone	10.15	43	1240519	10.519	ppbv #	97
52) Tetrachloroethene	11.23	164	1011010	8.998	ppbv	98
53) Toluene	9.81	91	3338456	10.273	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1739663	9.825	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1322842	9.646	ppbv	98
57) Chlorobenzene	12.15	112	2454425	9.514	ppbv	99
58) Ethyl Benzene	12.72	91	4417180	10.014	ppbv	99
59) m/p-Xylene	13.00	91	7445555m	19.352	ppbv	
60) o-Xylene	13.70	91	3505056	9.422	ppbv	99
61) Styrene	13.53	104	2086866	11.150	ppbv	99
62) Isopropylbenzene	14.67	105	4821470	9.624	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2430483	8.565	ppbv	100
64) n-propylbenzene	15.57	120	1236082	10.092	ppbv	99
65) tert-Butylbenzene	16.75	119	4162072	9.581	ppbv	99
66) Benzyl Chloride	17.00	91	590127	12.290	ppbv	98
67) sec-Butylbenzene	17.30	105	5799182	9.457	ppbv	100
69) p-Isopropyltoluene	17.66	119	4820382	10.067	ppbv	99
70) n-Butylbenzene	18.56	91	4867215	9.803	ppbv	99
71) 2-Chlorotoluene	15.46	91	3618433	9.639	ppbv	100
72) 4-Ethyltoluene	15.85	105	4130088	10.132	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3767727	9.903	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3805090	9.346	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2212165	9.653	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2164075	9.511	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2106444	9.778	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1625380	8.425	ppbv	99
79) Naphthalene	22.21	128	2787715	11.734	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	489255	10.443	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1580267m	10.773	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1282020

Ion Ratio Lower Upper

49 100

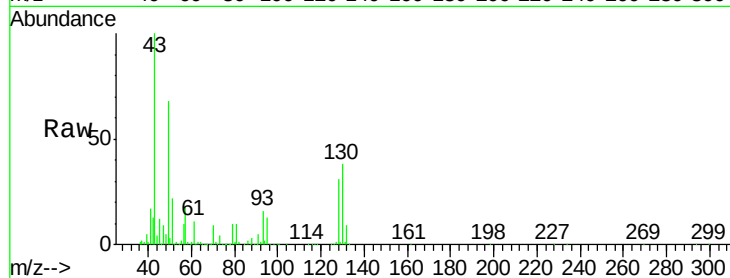
128 48.7 23.5 70.6

130 60.0 29.1 87.4

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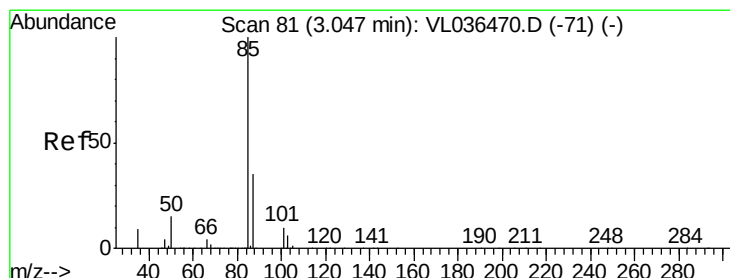
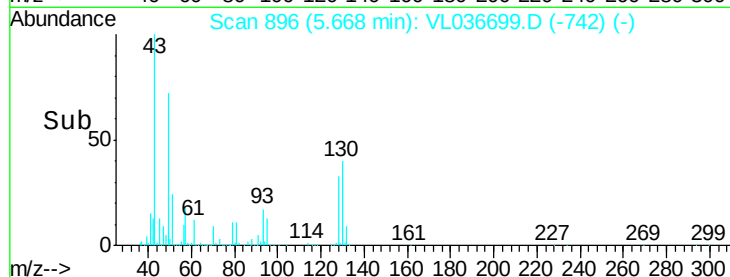
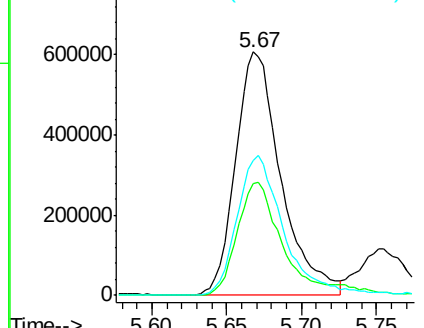
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.819 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036699.D

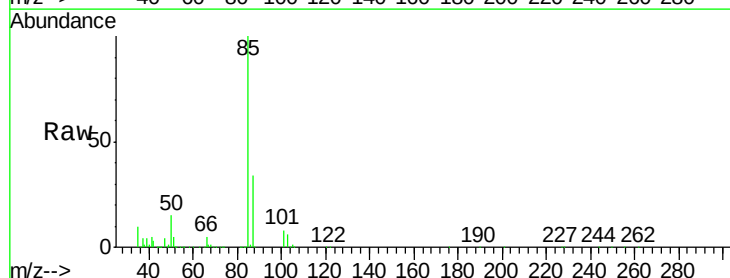
Acq: 6 Apr 2021 11:47

Tgt Ion: 85 Resp: 1634945

Ion Ratio Lower Upper

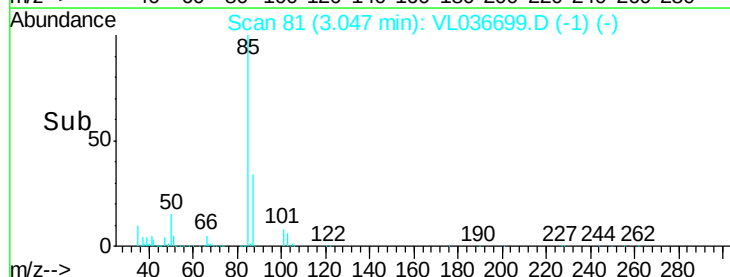
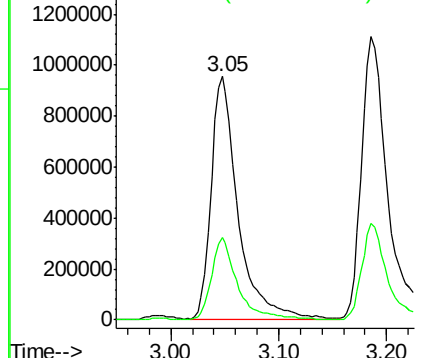
85 100

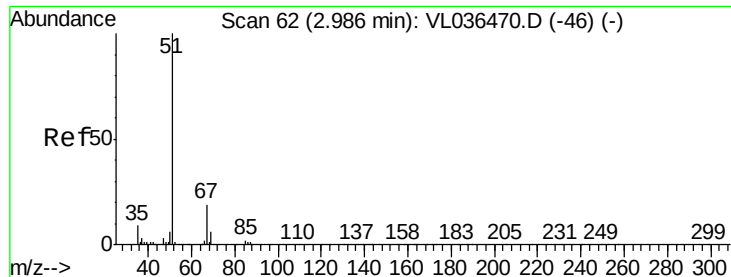
87 33.6 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.786 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Tot Ion: 51 Resp: 2344132

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1

Instrument :

MSVOA_L

ClientSampleId :

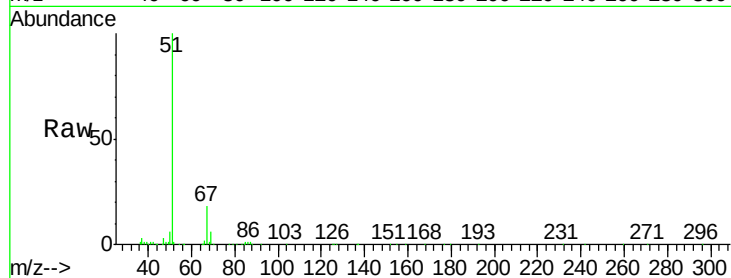
VSTDCCC010EC

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

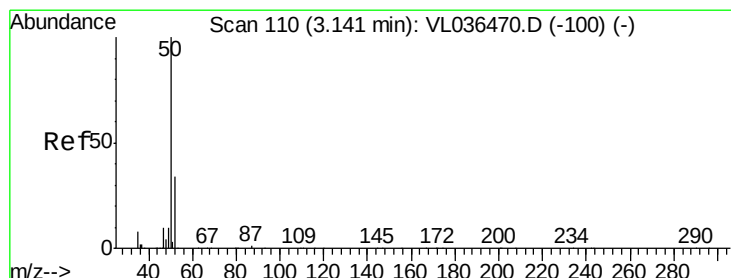
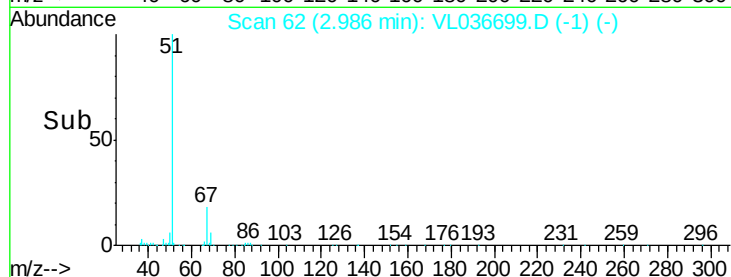
2.99

1000000

500000

0

Time--> 2.80 2.90 3.00 3.10



#4

Chloromethane

Concen: 9.395 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036699.D

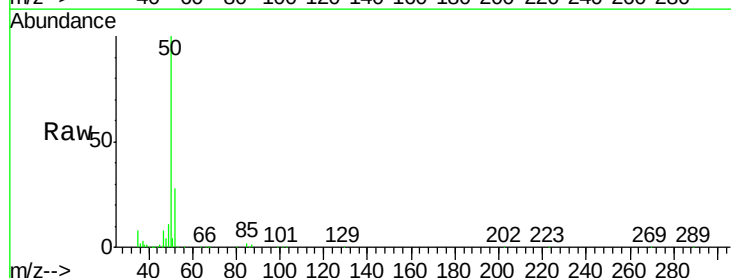
Acq: 6 Apr 2021 11:47

Tgt Ion: 50 Resp: 794909

Ion Ratio Lower Upper

50 100

52 28.2 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

3.14

400000

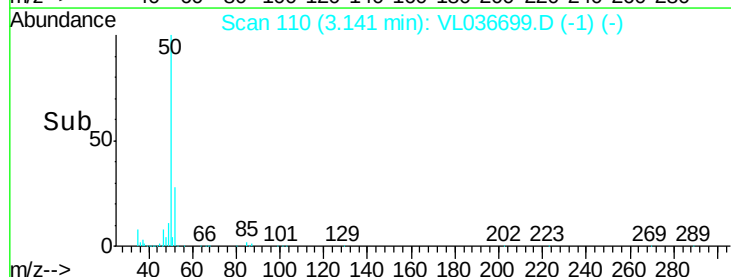
300000

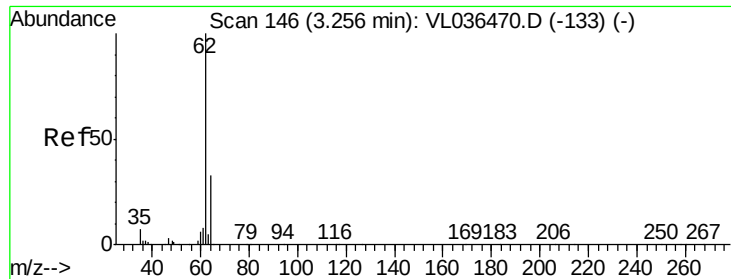
200000

100000

0

Time--> 3.10 3.15





#5

Vinyl Chloride

Concen: 9.330 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 811695

Ion Ratio Lower Upper

62 100

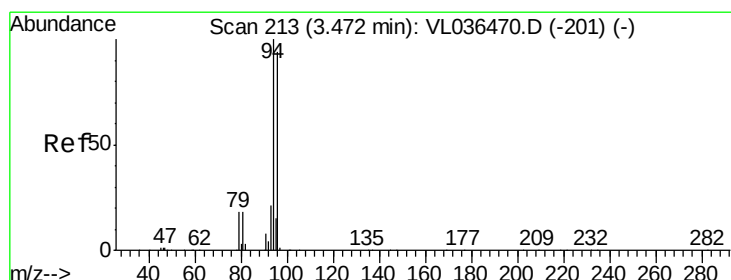
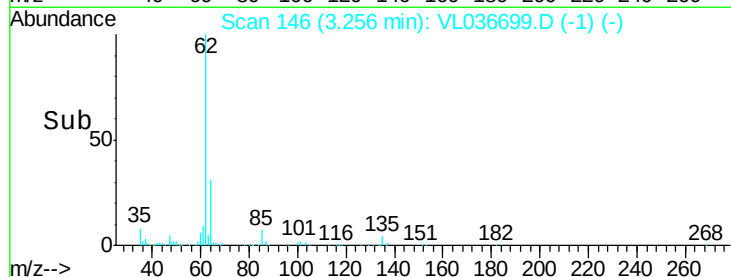
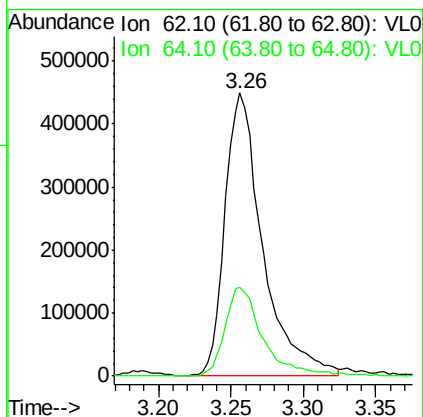
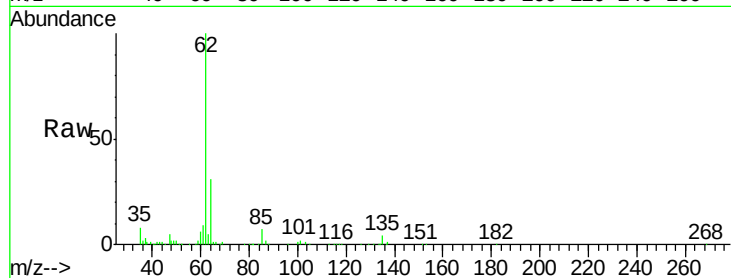
64 31.5 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 9.610 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036699.D

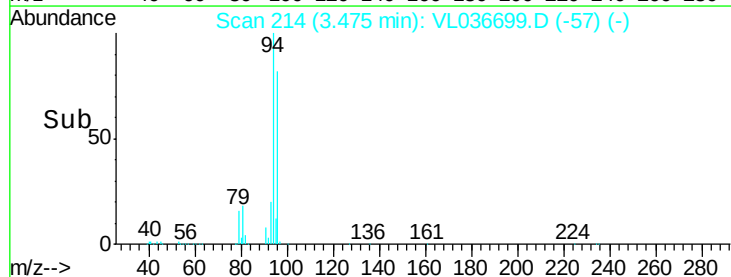
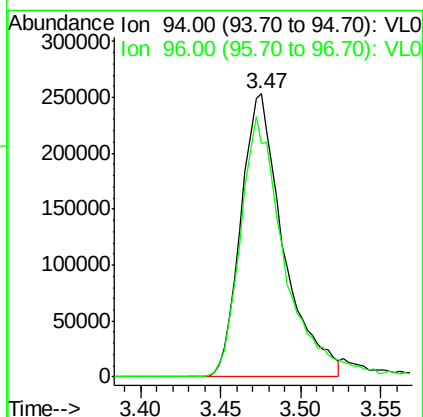
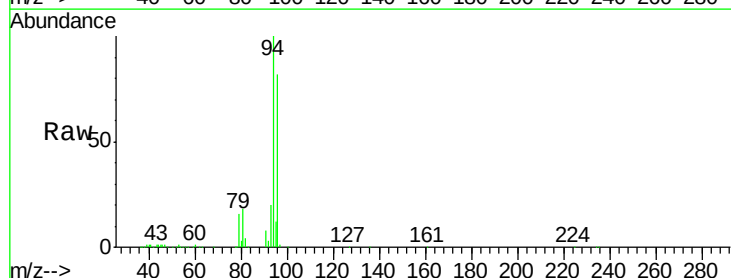
Acq: 6 Apr 2021 11:47

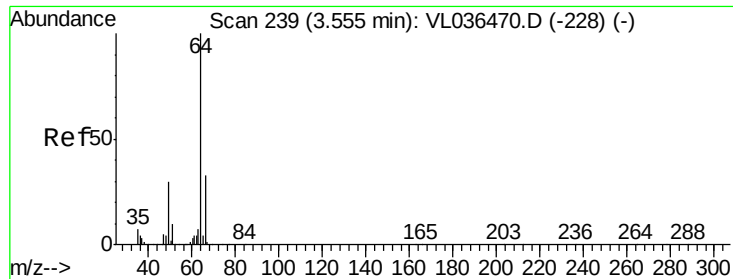
Tgt Ion: 94 Resp: 460286

Ion Ratio Lower Upper

94 100

96 82.4 74.9 112.3





#7

Chloroethane

Concen: 9.588 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 286611

Ion Ratio Lower Upper

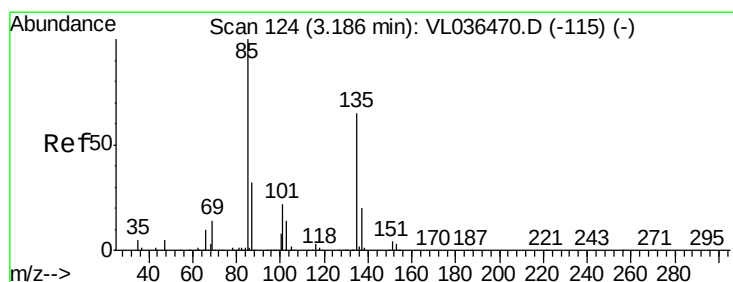
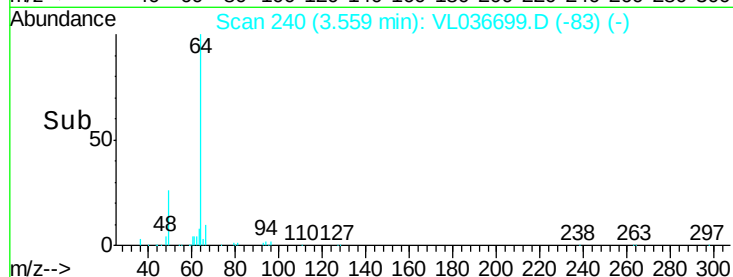
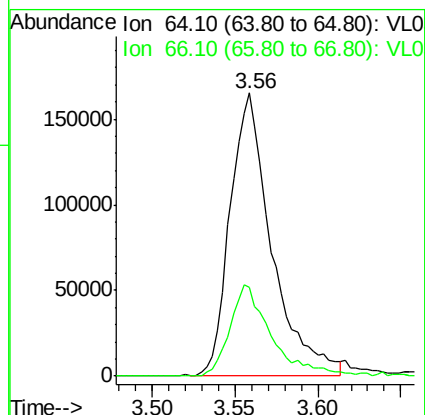
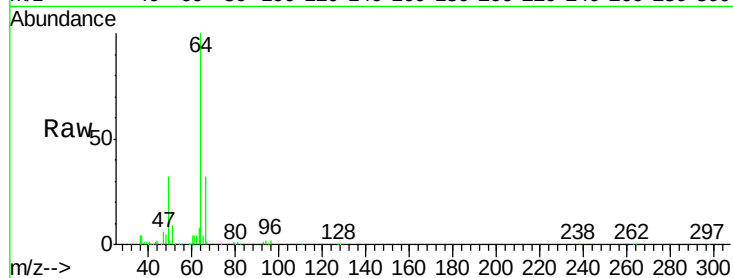
64 100

66 31.5 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 9.349 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036699.D

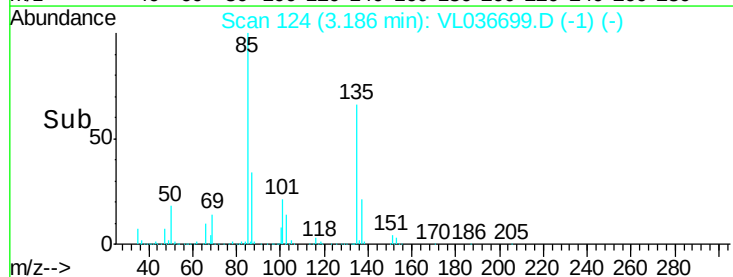
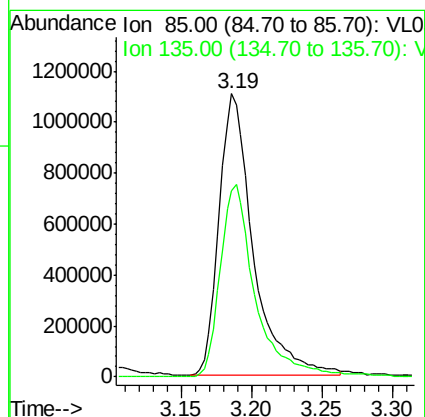
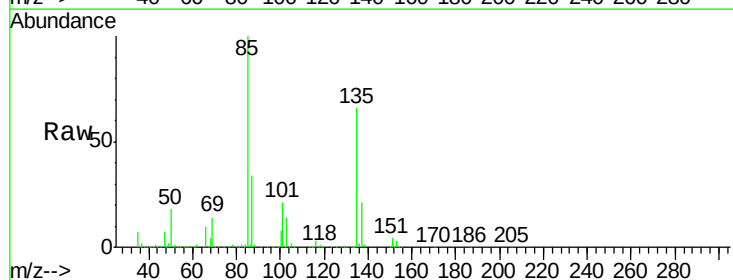
Acq: 6 Apr 2021 11:47

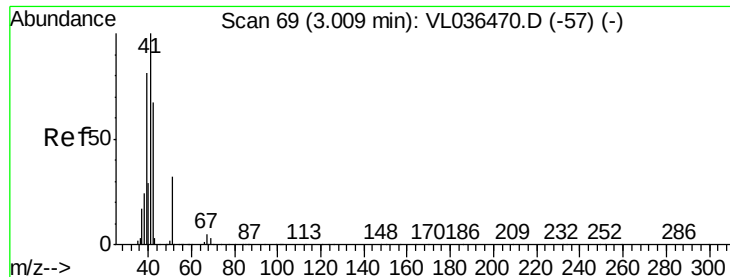
Tgt Ion: 85 Resp: 1865734

Ion Ratio Lower Upper

85 100

135 70.9 54.3 81.5





#9

Propene

Concen: 10.143 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

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Tot Ion: 41 Resp: 774513

Ion Ratio Lower Upper

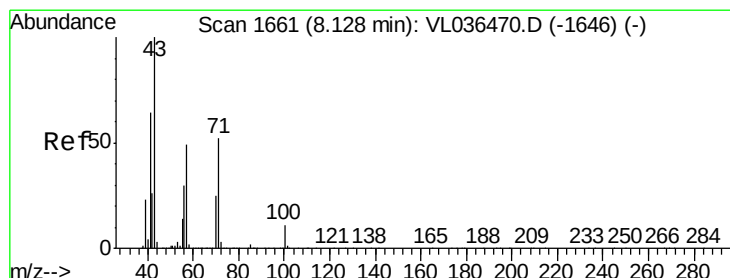
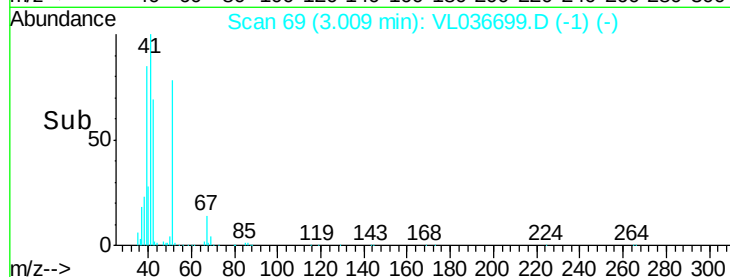
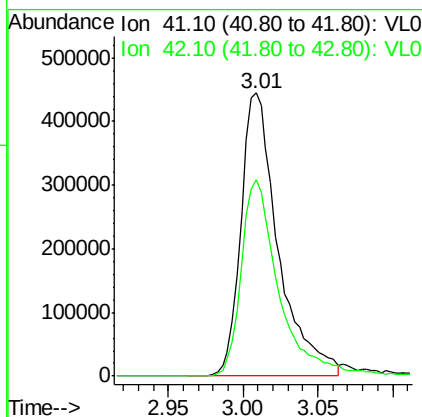
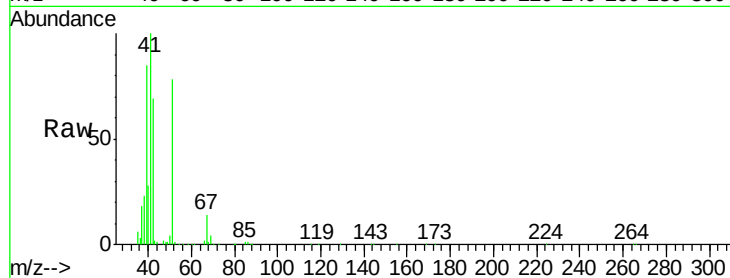
41 100

42 70.4 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 10.485 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL036699.D

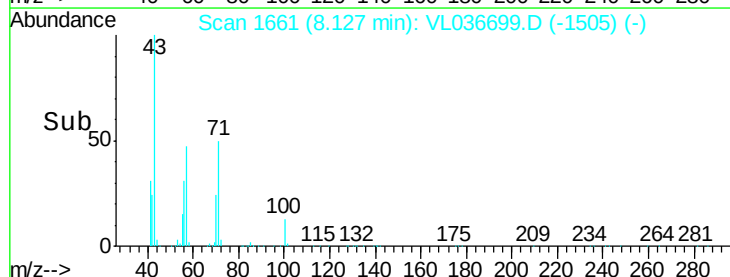
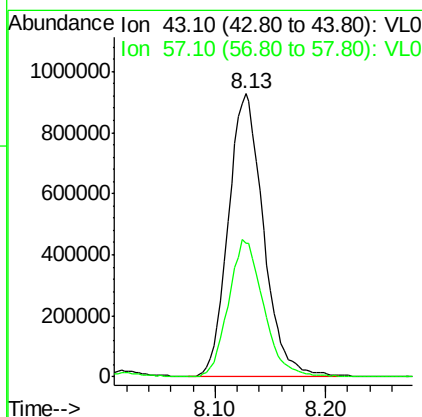
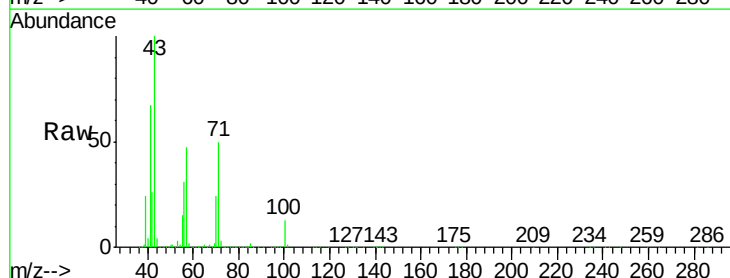
Acq: 6 Apr 2021 11:47

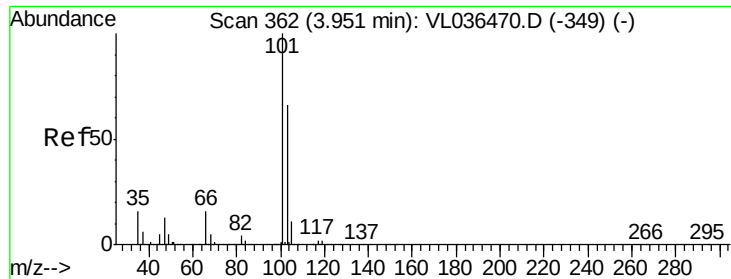
Tgt Ion: 43 Resp: 2039583

Ion Ratio Lower Upper

43 100

57 48.4 39.0 58.6





#11

Trichlorofluoromethane

Concen: 9.067 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1932121

Ion Ratio Lower Upper

101 100

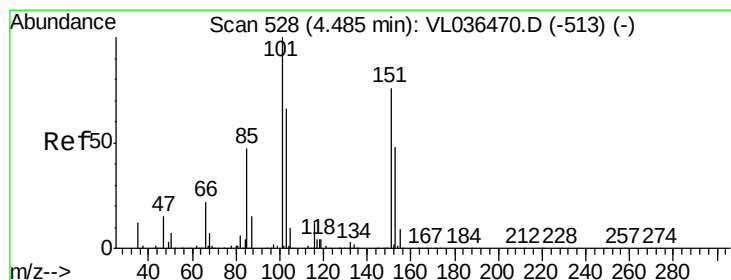
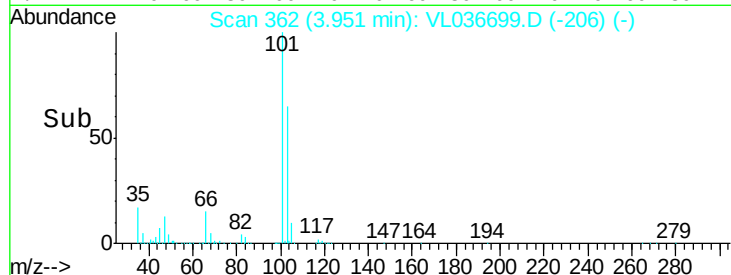
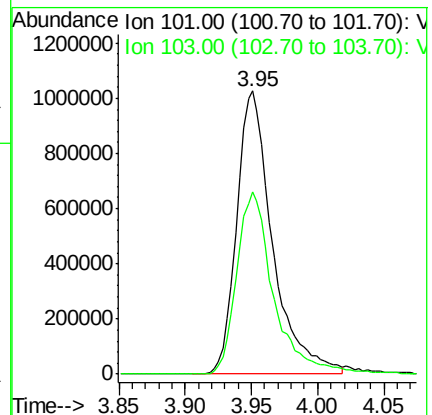
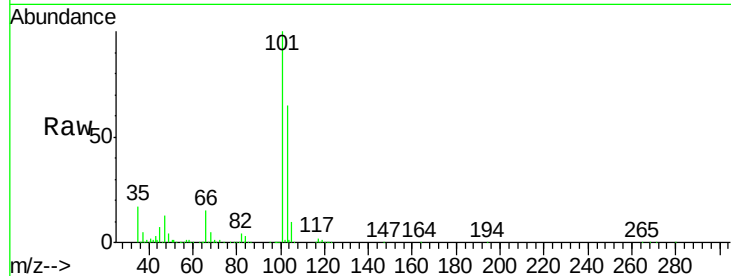
103 64.6 52.5 78.7

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.281 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.00 min

Lab File: VL036699.D

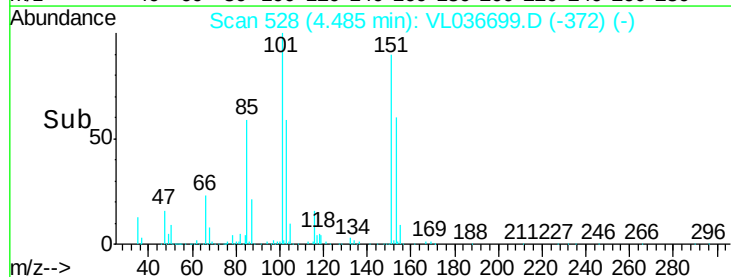
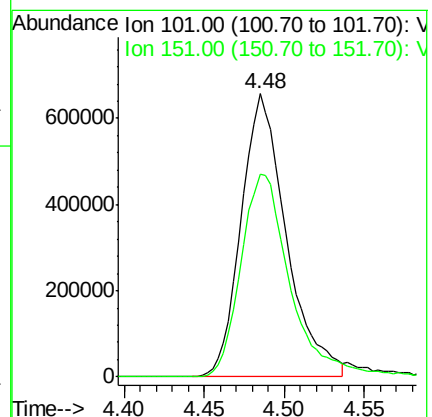
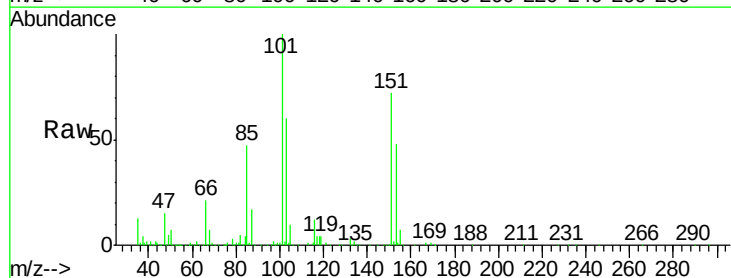
Acq: 6 Apr 2021 11:47

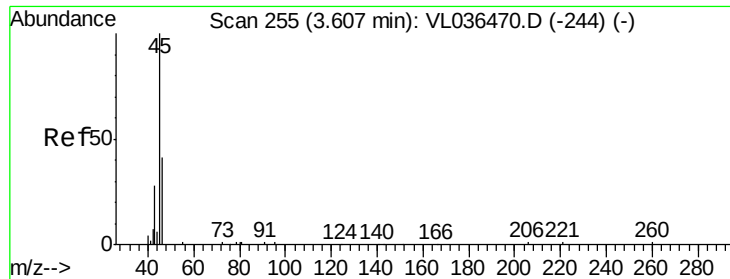
Tgt Ion:101 Resp: 1264455

Ion Ratio Lower Upper

101 100

151 79.0 60.9 91.3





#13

Ethanol

Concen: 10.783 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 98056

Ion Ratio Lower Upper

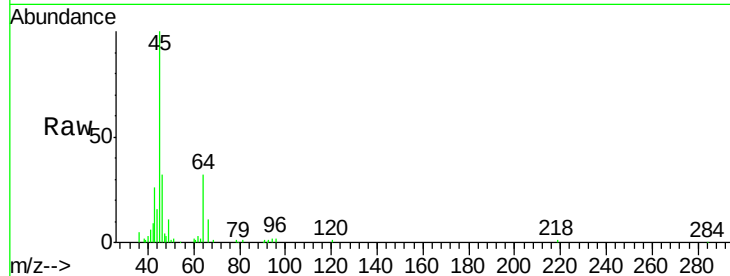
45 100

46 42.7 16.6 66.2

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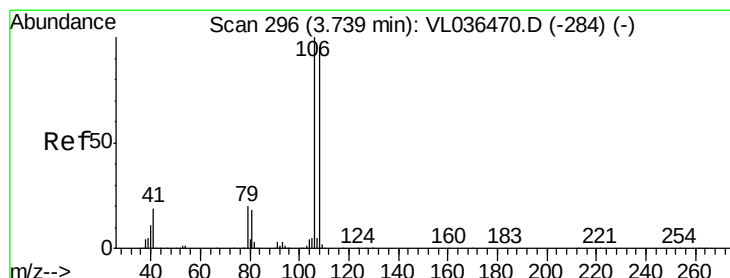
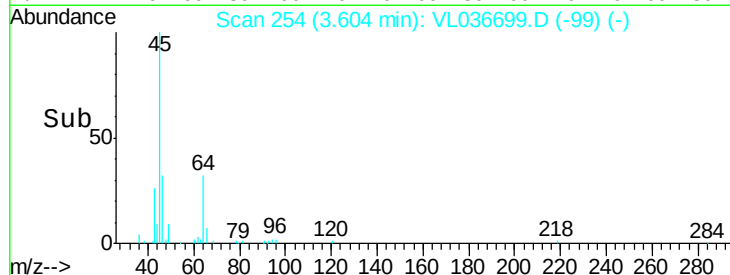
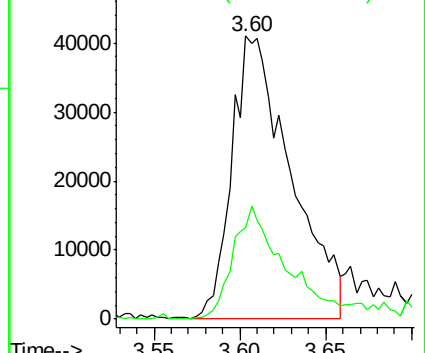
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.732 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

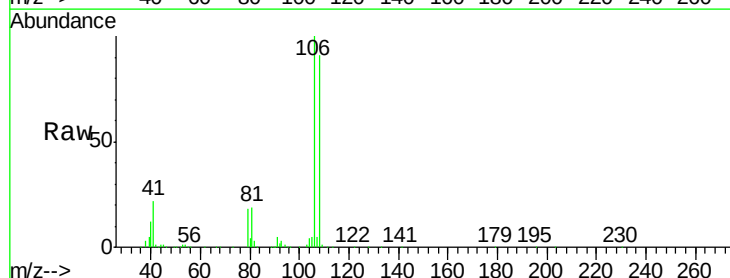
Tgt Ion: 108 Resp: 551229

Ion Ratio Lower Upper

108 100

106 111.0 89.0 133.6

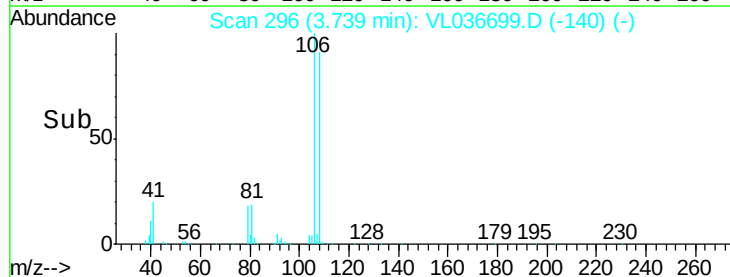
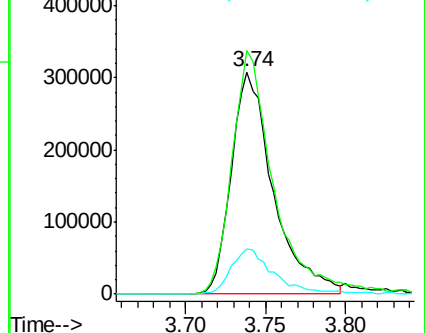
79 21.5 16.6 25.0

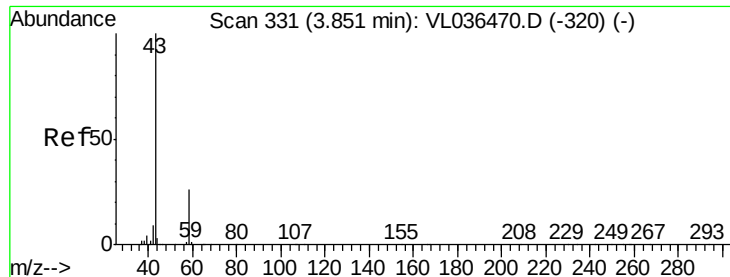


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





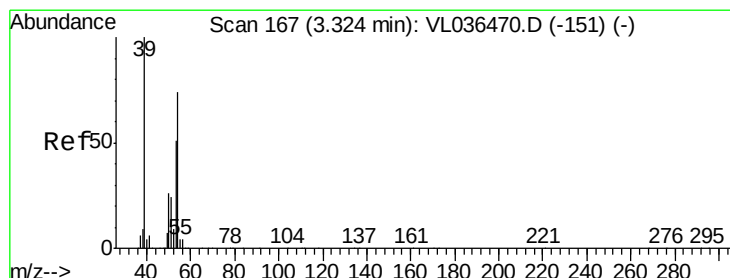
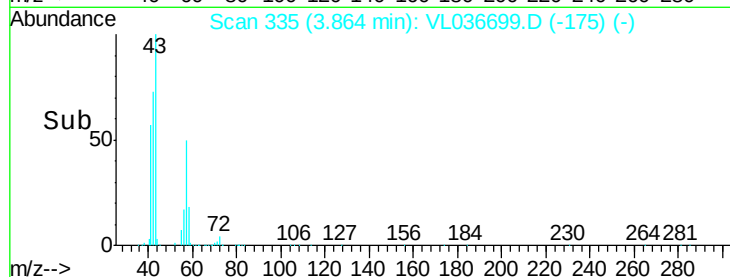
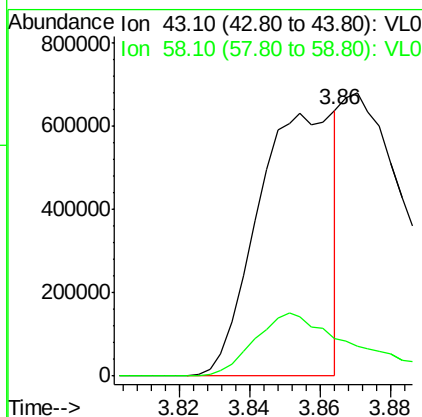
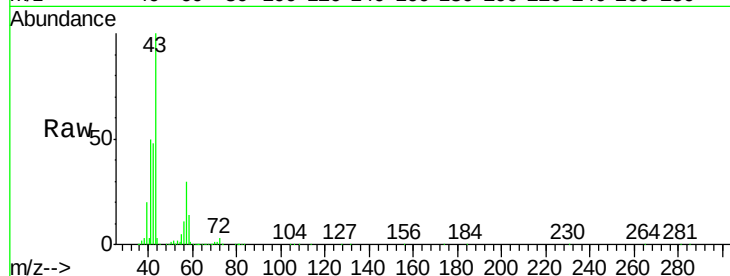
#15
Acetone
Concen: 7.643 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 964337
Ion Ratio Lower Upper
43 100
58 33.7 21.2 31.8#

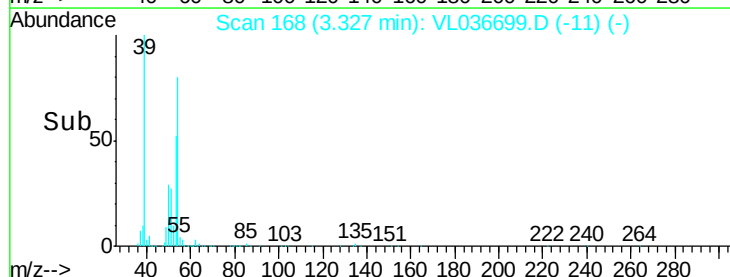
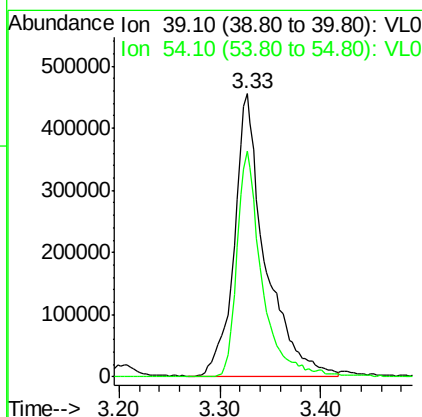
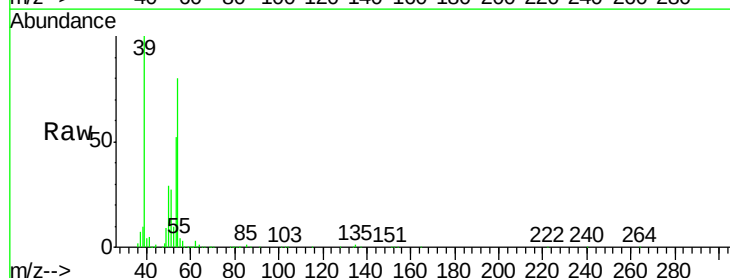
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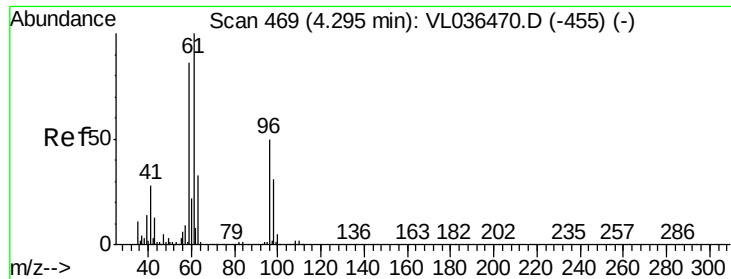
MMDadoda
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#16
1,3-Butadiene
Concen: 11.063 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 39 Resp: 971848
Ion Ratio Lower Upper
39 100
54 65.1 58.8 88.2





#17

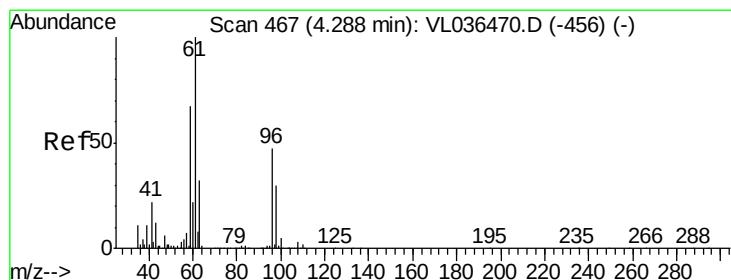
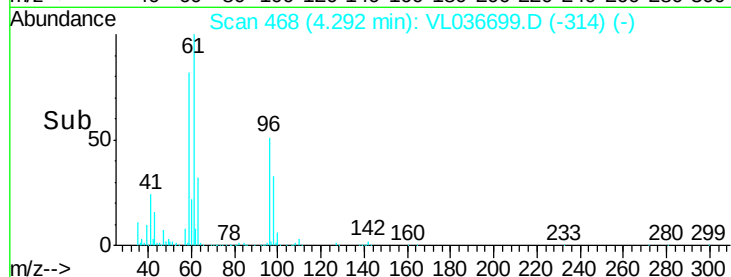
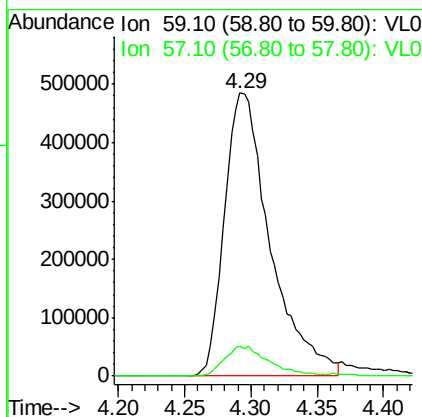
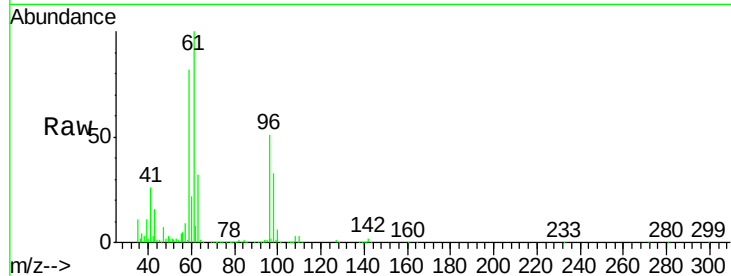
tert-Butyl alcohol
Concen: 10.602 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1164602
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

Manual Integrations
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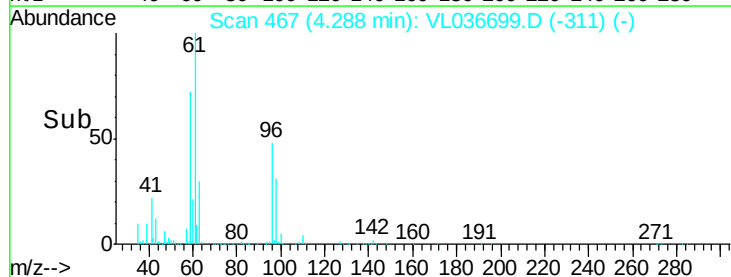
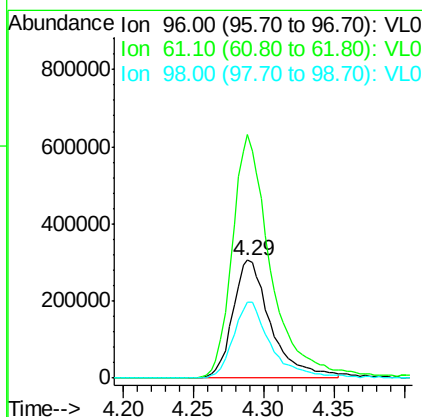
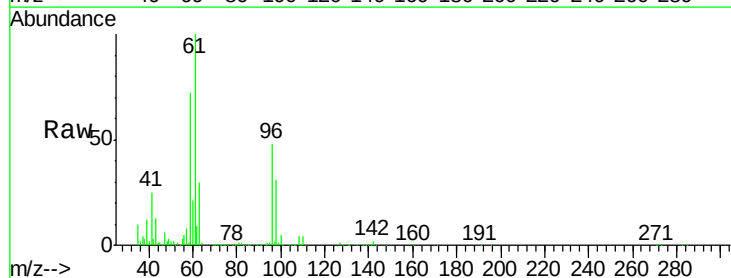
MMDadoda
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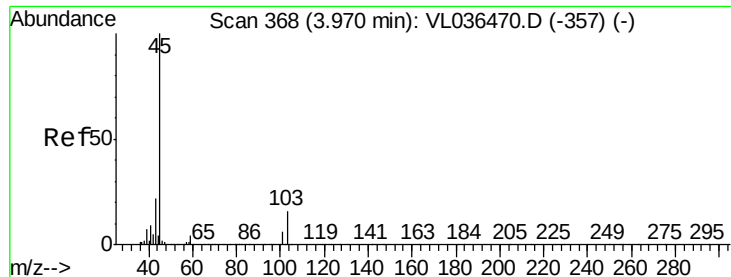


#18

1,1-Dichloroethene
Concen: 9.531 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 96 Resp: 577630
Ion Ratio Lower Upper
96 100
61 207.0 168.6 253.0
98 64.6 50.8 76.2





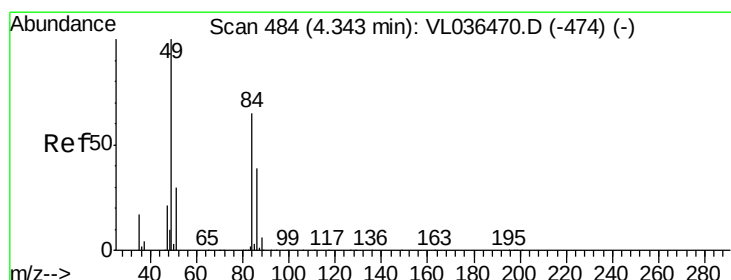
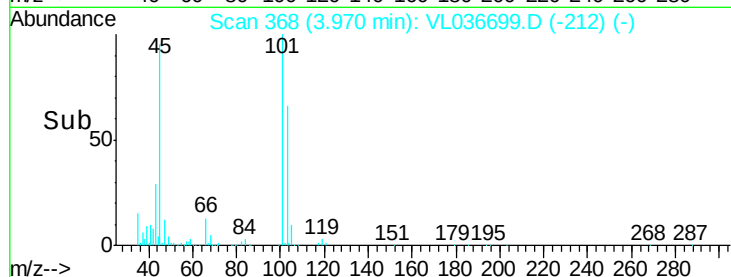
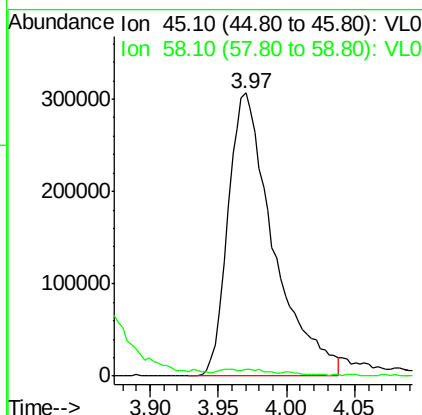
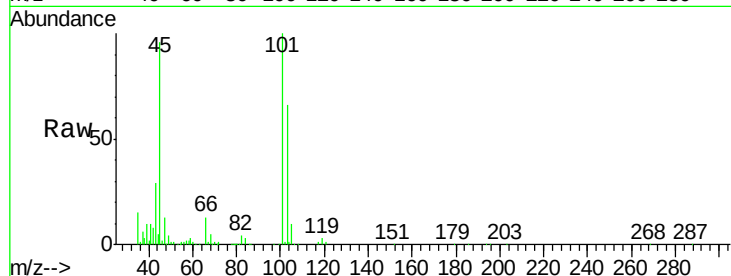
#19
Isopropyl Alcohol
Concen: 10.187 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 707120
Ion Ratio Lower Upper
45 100
58 3.2 2.9 4.3

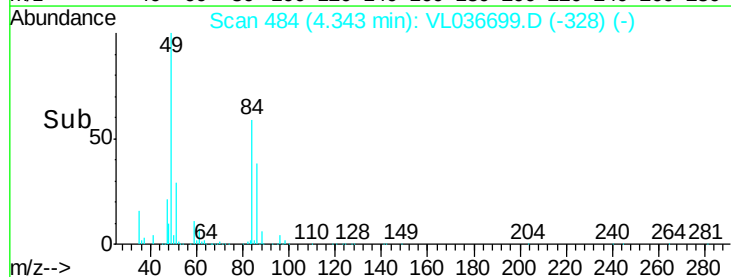
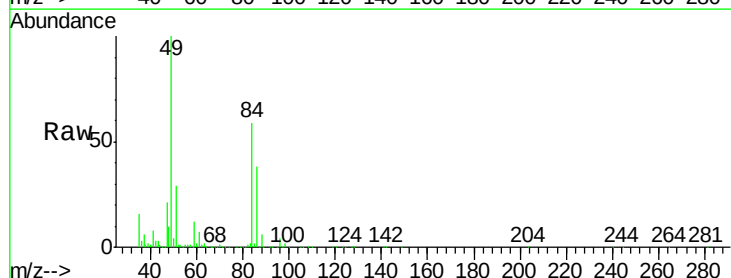
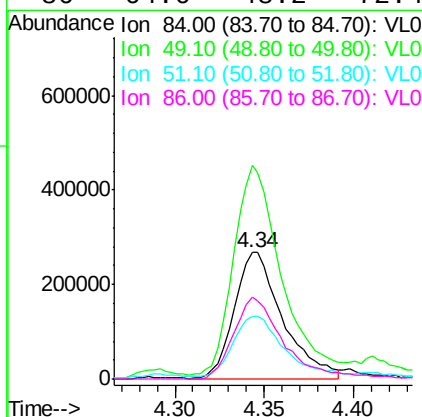
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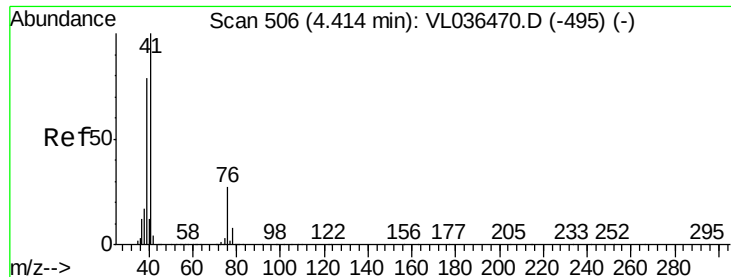
MMDadoda
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#20
Methylene Chloride
Concen: 8.467 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 84 Resp: 500208
Ion Ratio Lower Upper
84 100
49 166.3 122.9 184.3
51 47.6 36.9 55.3
86 64.6 48.2 72.4





#21

Allvl Chloride

Concen: 10.056 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

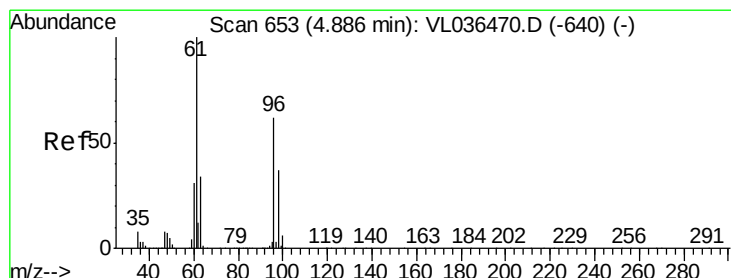
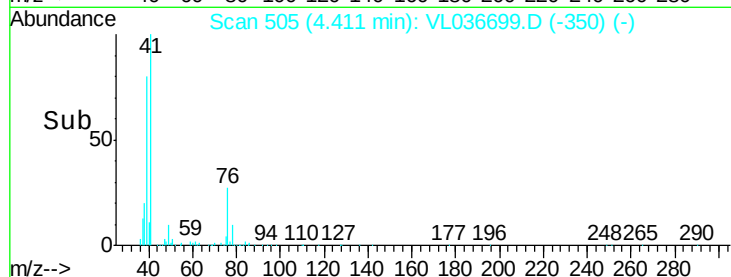
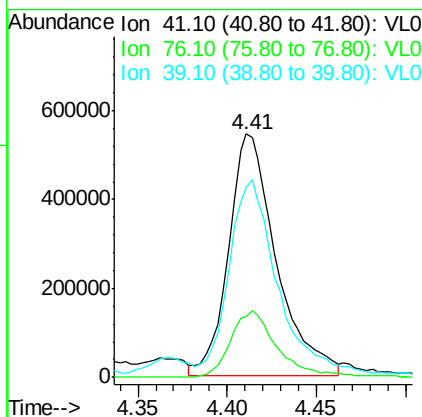
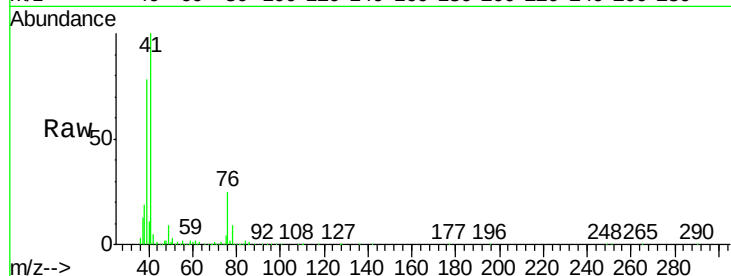
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1011505
Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.9	34.3
39	90.6	67.3	100.9

Manual Integrations
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4/6/2021 5:14:54 PM



#22

trans-1,2-Dichloroethene

Concen: 10.060 ppbv

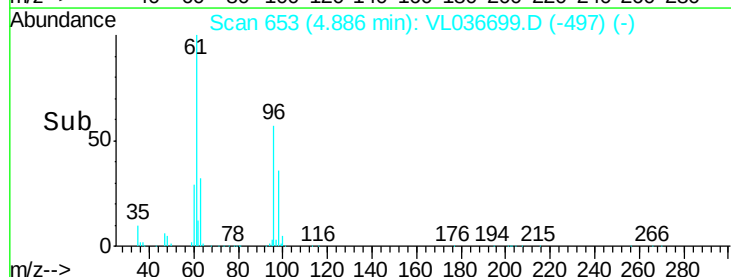
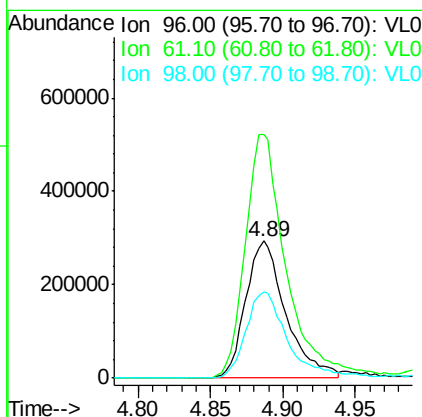
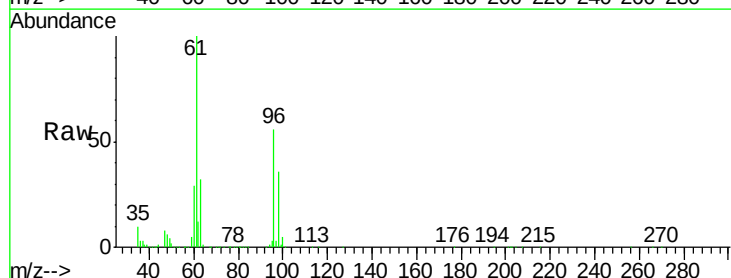
RT: 4.89 min Scan# 653

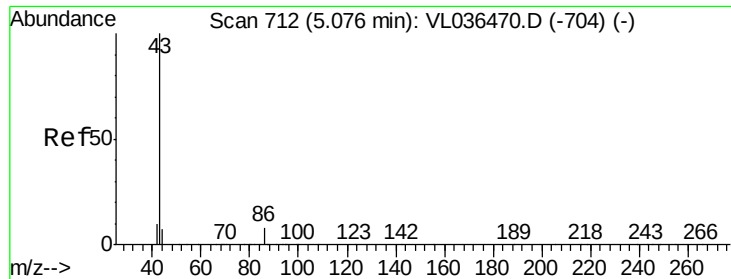
Delta R.T. 0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Tgt Ion:	96	Resp:	565248
Ion	Ratio	Lower	Upper
96	100		
61	177.9	129.4	194.0
98	63.4	48.2	72.4





#23

Vinyl Acetate

Concen: 10.417 ppbv m

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2248325

Ion Ratio Lower Upper

43 100

86 6.4 5.4 8.0

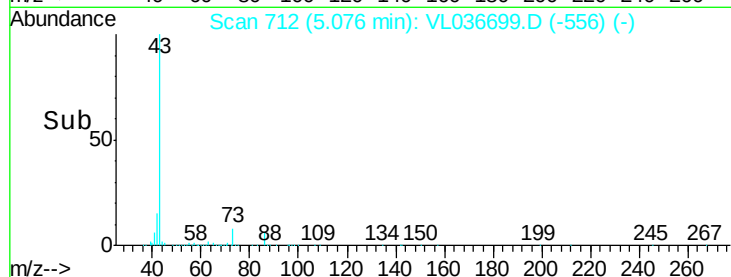
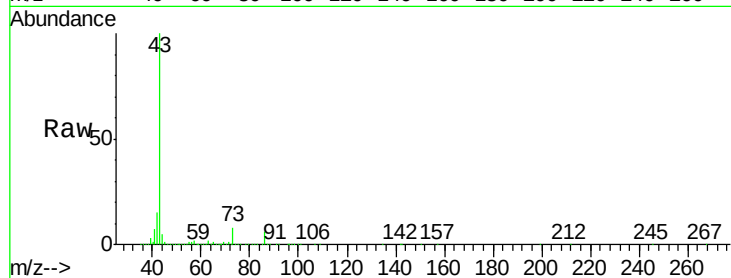
42 14.8 8.5 12.7#

44 5.2 4.6 7.0

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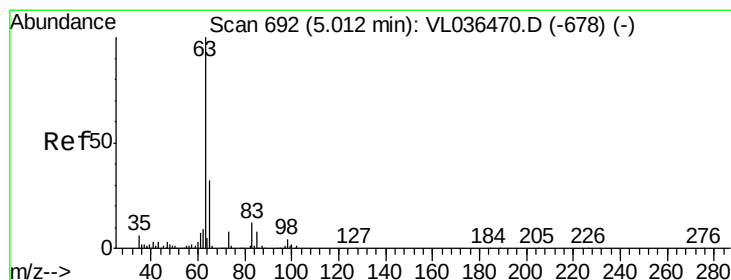
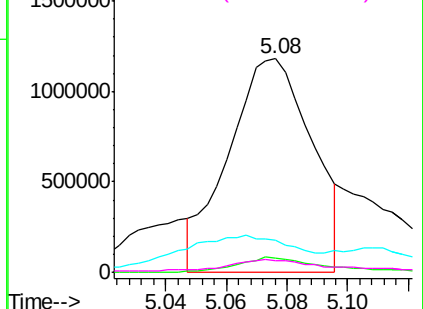


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.737 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

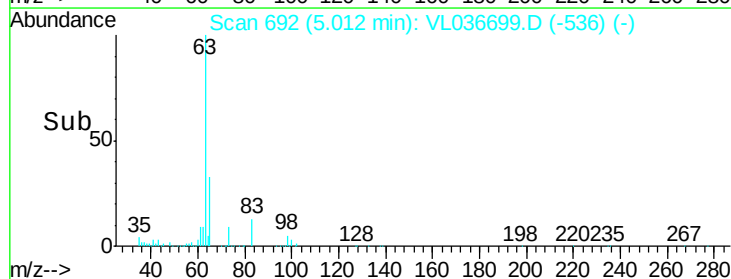
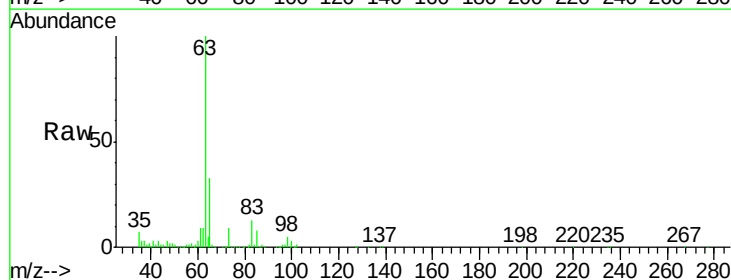
Tgt Ion: 63 Resp: 1531799

Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.2

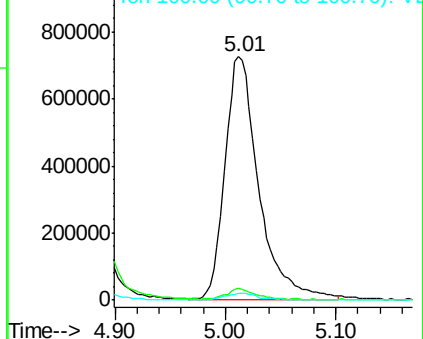
100 2.6 0.9 2.8

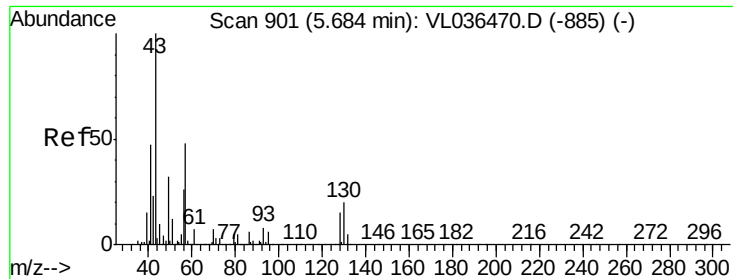


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





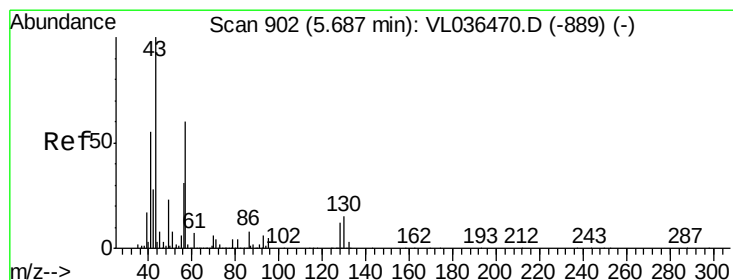
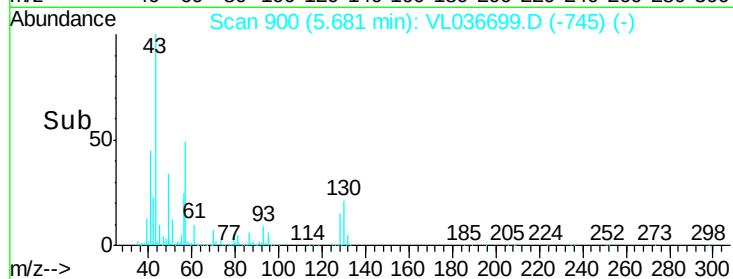
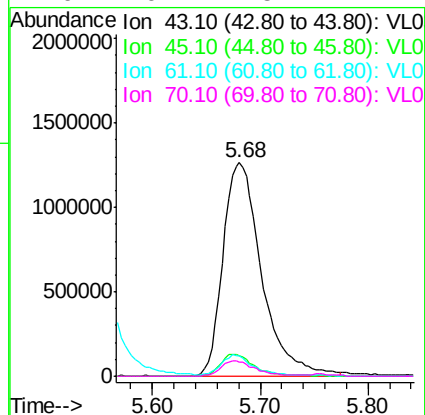
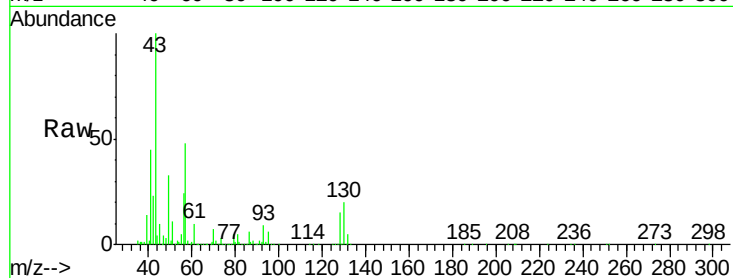
#25
Ethyl Acetate
Concen: 10.453 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.9	11.9
61	8.7	7.4	11.2
70	6.4	5.1	7.7

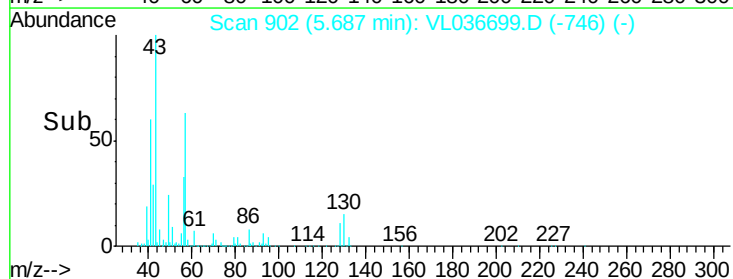
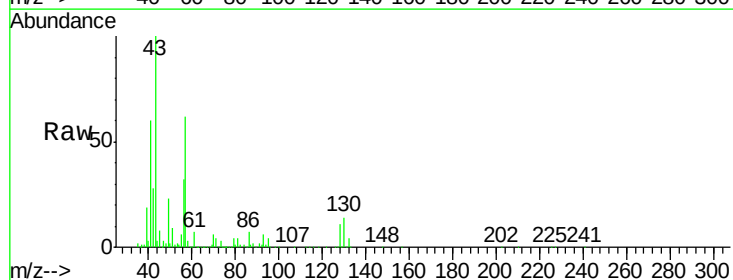
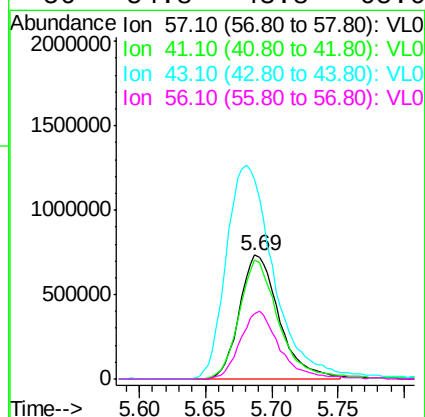
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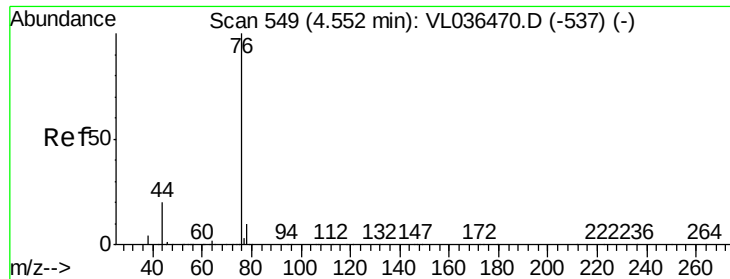
MMDadoda
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#26
Hexane
Concen: 11.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.2	77.2	115.8
43	207.9	173.8	260.6
56	54.8	43.8	65.6





#27

Carbon Disulfide

Concen: 10.054 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1378854

Ion Ratio Lower Upper

76 100

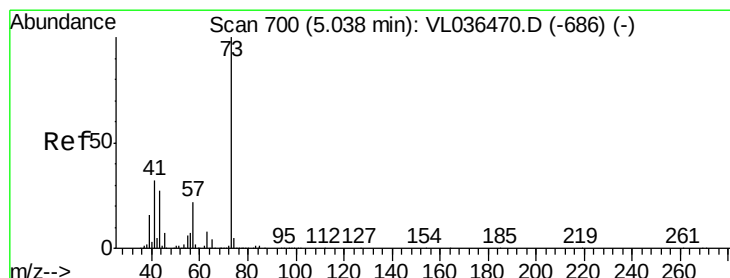
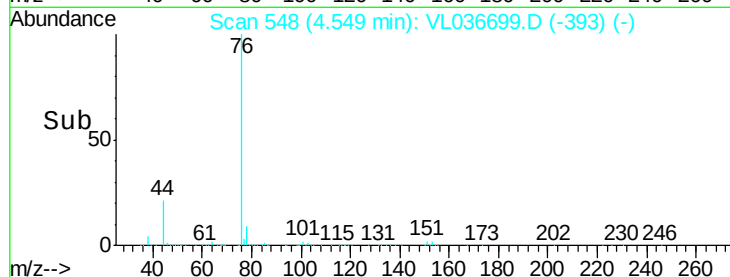
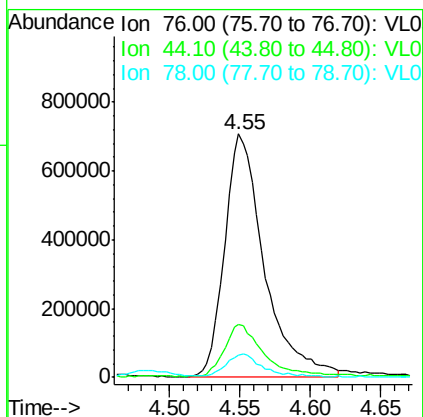
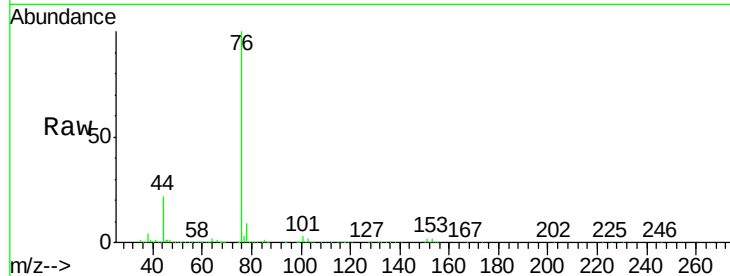
44 21.6 17.5 26.3

78 9.5 8.6 13.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.438 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL036699.D

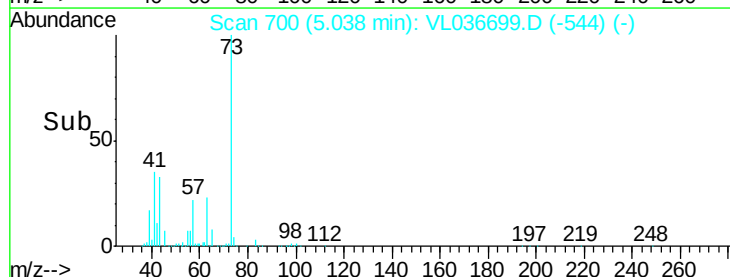
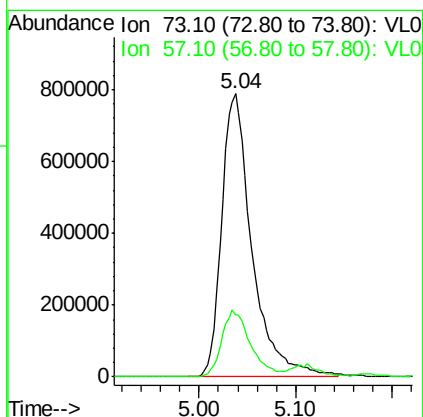
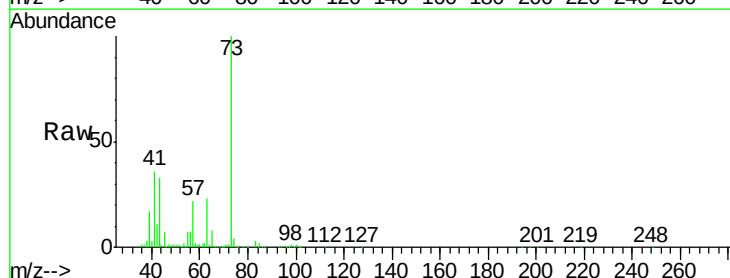
Acq: 6 Apr 2021 11:47

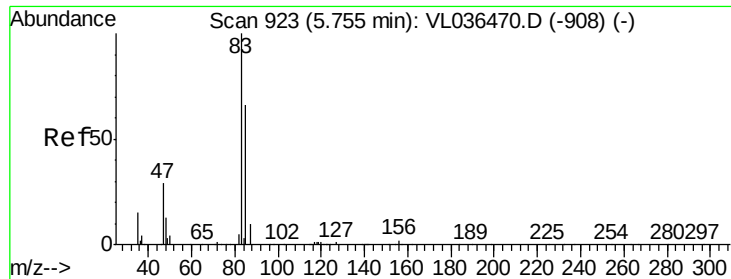
Tgt Ion: 73 Resp: 1713679

Ion Ratio Lower Upper

73 100

57 22.4 18.5 27.7





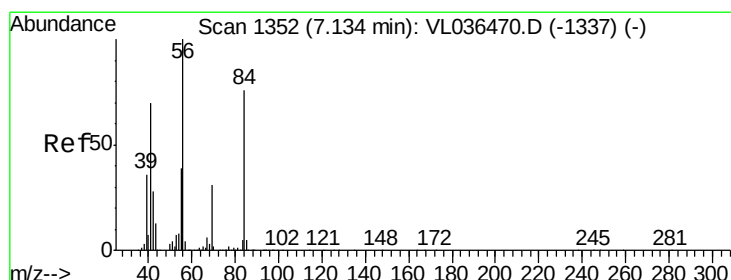
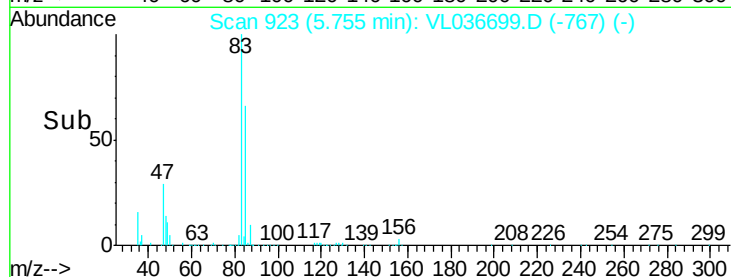
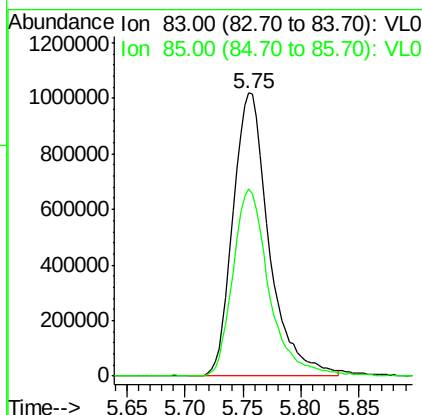
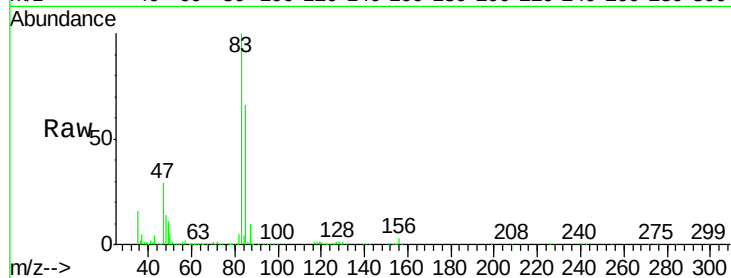
#29
Chloroform
Concen: 9.864 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2196162
Ion Ratio Lower Upper
83 100
85 65.8 52.6 78.8

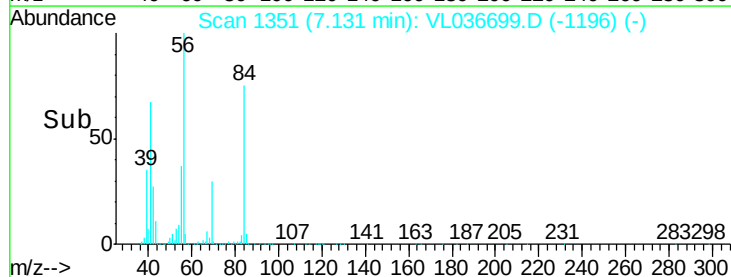
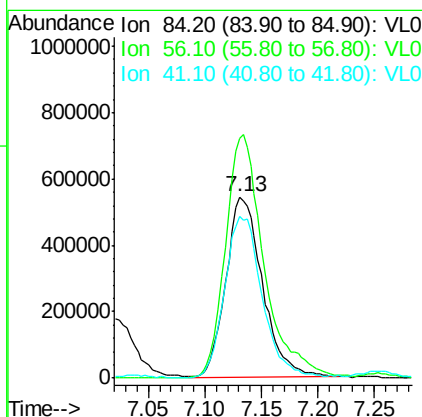
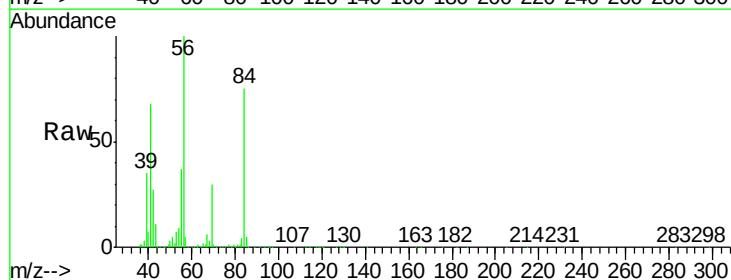
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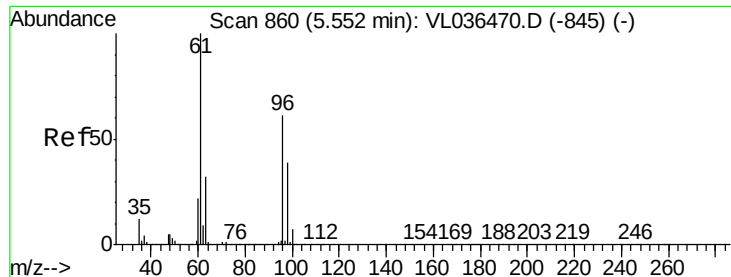
MMDadoda
4/6/2021 5:14:54 PM



#30
Cyclohexane
Concen: 10.826 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 84 Resp: 1222251
Ion Ratio Lower Upper
84 100
56 143.0 114.6 171.8
41 91.8 75.3 112.9





#31

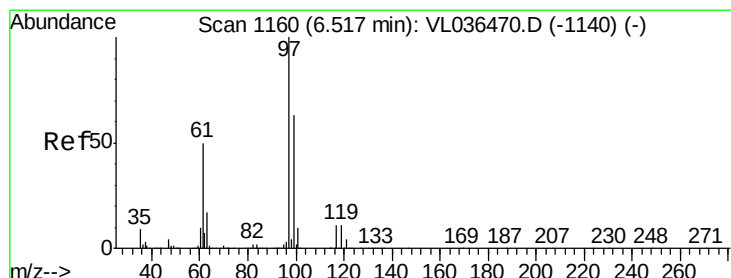
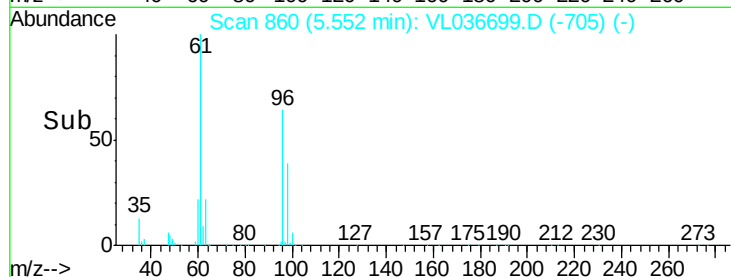
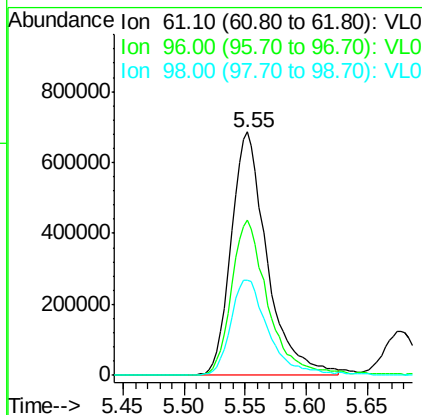
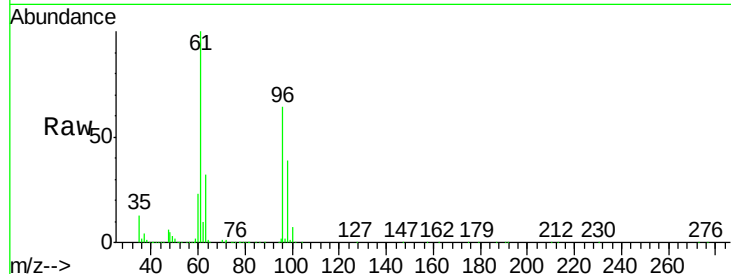
cis-1,2-Dichloroethene
Concen: 10.437 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.8	48.7	73.1
98	39.1	31.4	47.0

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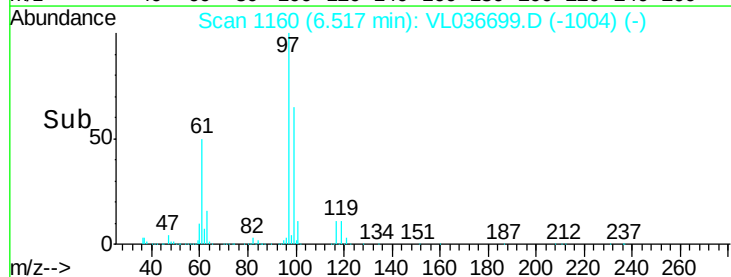
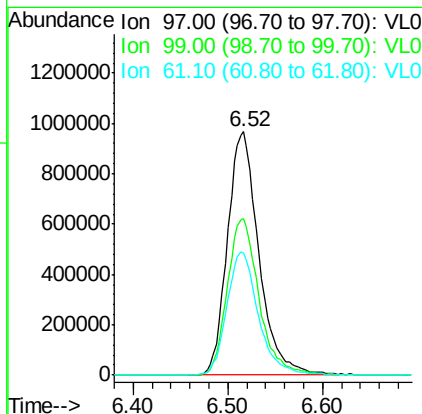
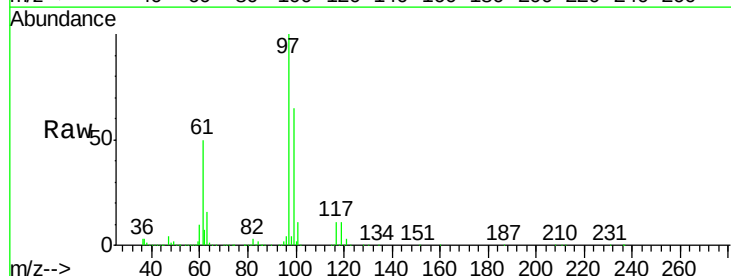
MMDadoda
4/6/2021 5:14:54 PM

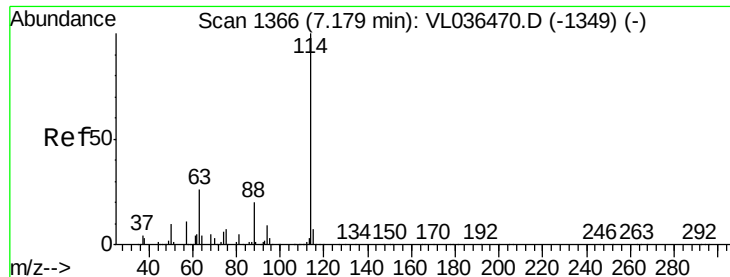


#32

1,1,1-Trichloroethane
Concen: 9.964 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	50.7	40.6	60.8





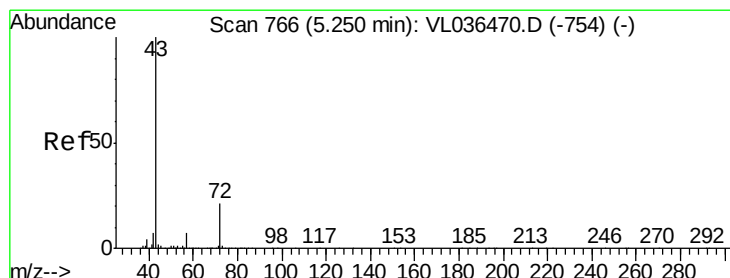
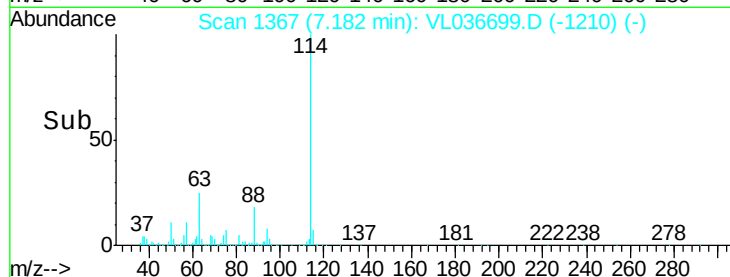
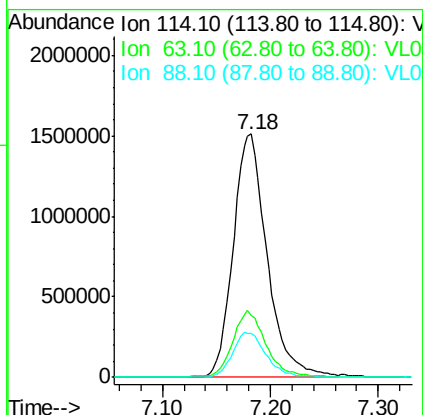
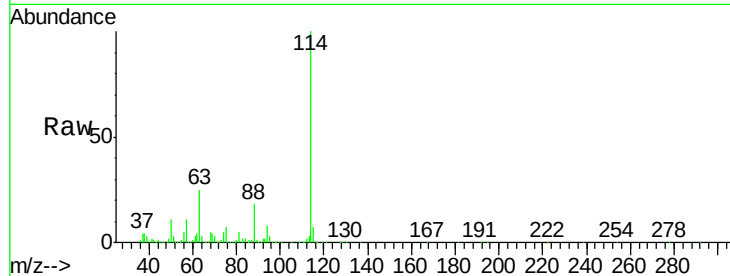
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	18.6	15.4	23.0

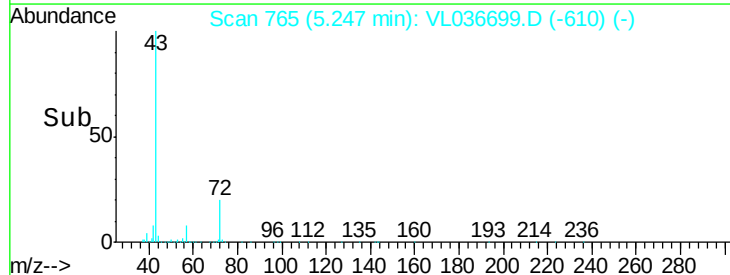
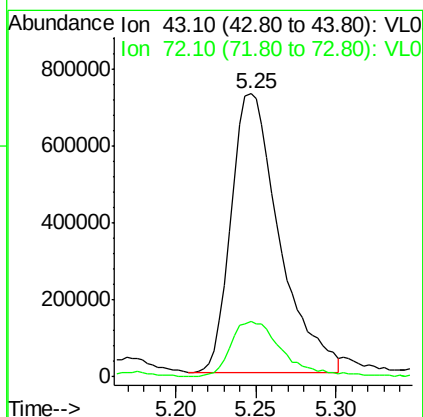
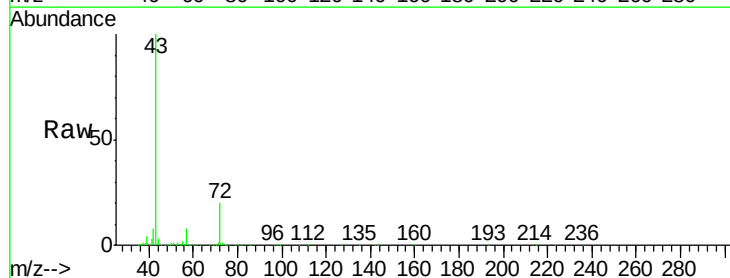
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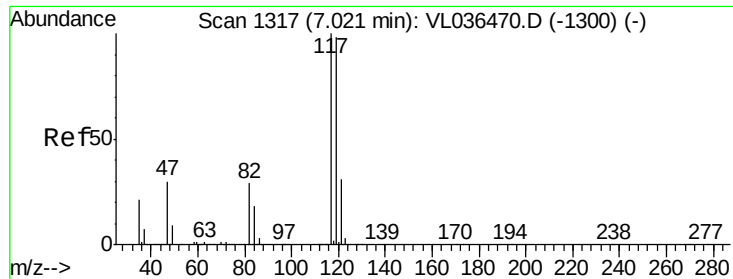
MMDadoda
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#34
 2-Butanone
 Concen: 9.245 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.221 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2343234

Ion Ratio Lower Upper

117 100

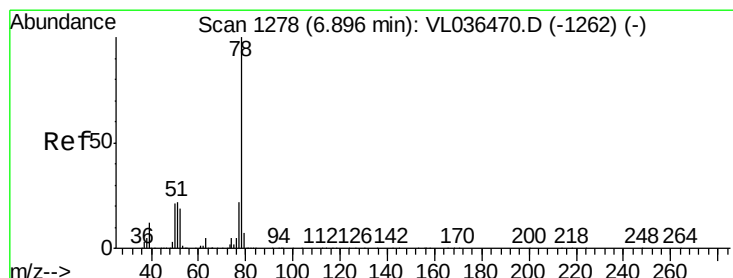
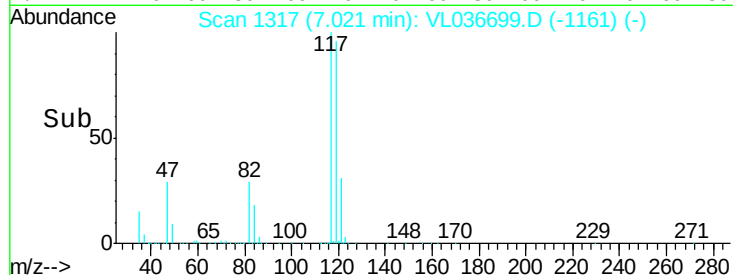
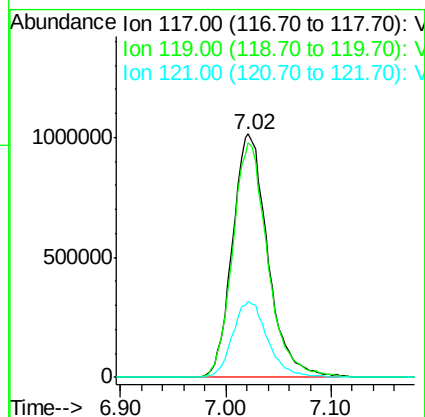
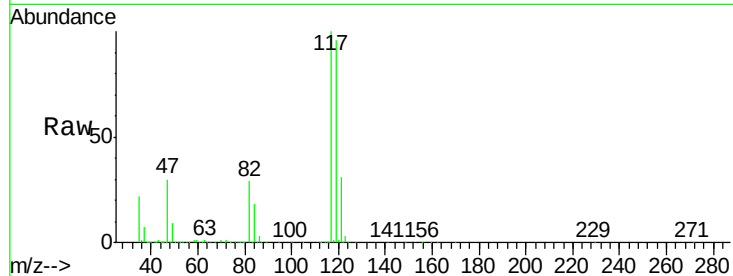
119 96.4 78.2 117.2

121 31.1 24.5 36.7

Manual Integrations
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#36

Benzene

Concen: 9.881 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

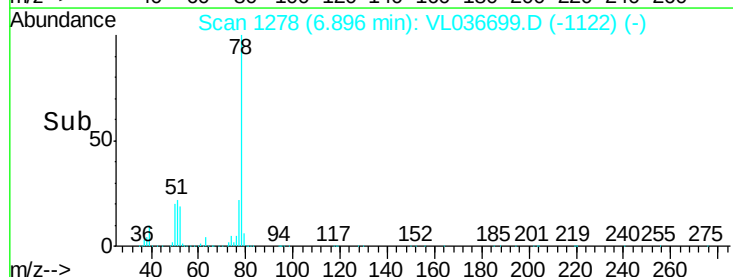
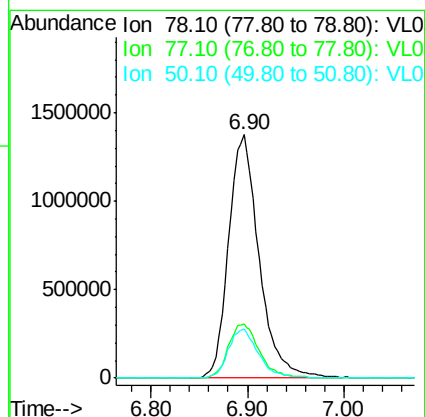
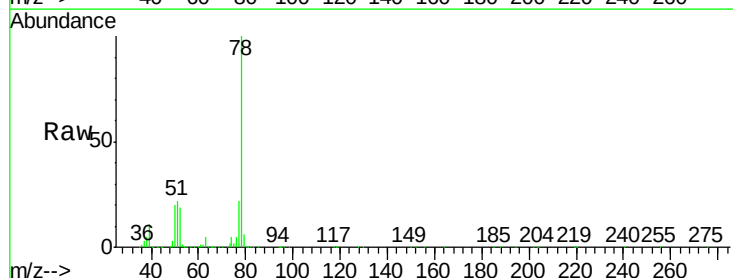
Tgt Ion: 78 Resp: 3015039

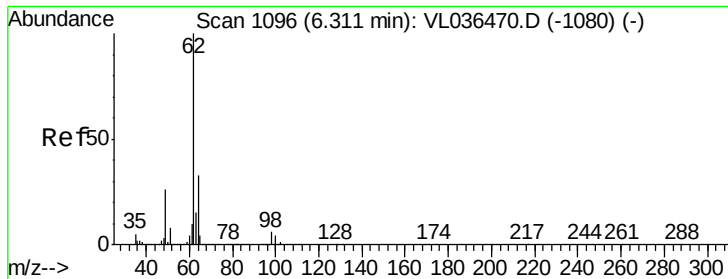
Ion Ratio Lower Upper

78 100

77 22.0 18.0 27.0

50 20.1 16.5 24.7





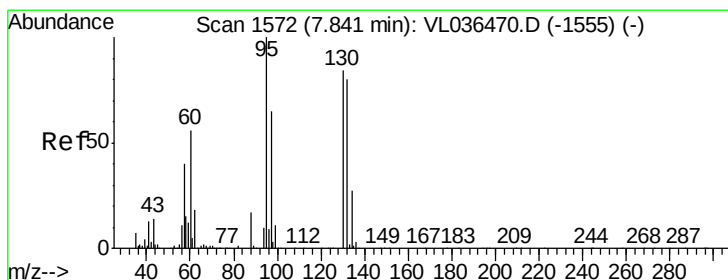
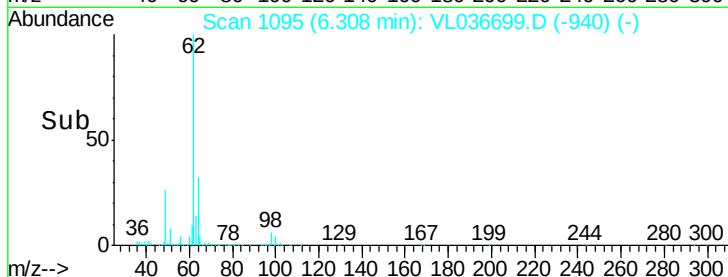
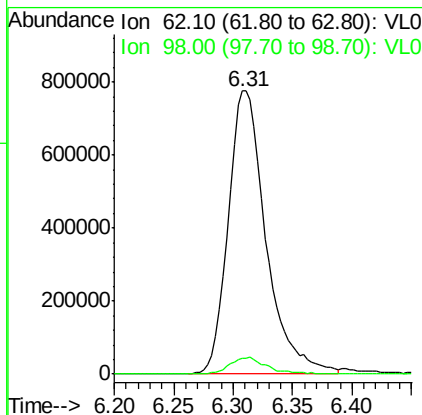
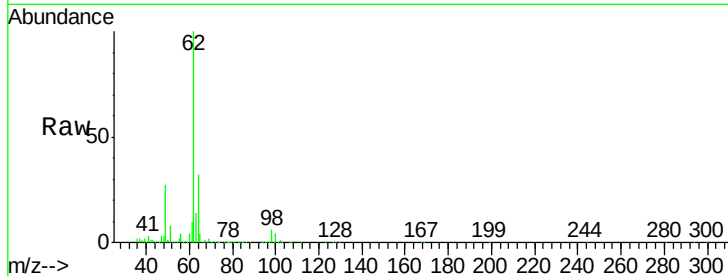
#37
1,2-Dichloroethane
Concen: 9.484 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1703269
Ion Ratio Lower Upper
62 100
98 6.2 4.9 7.3

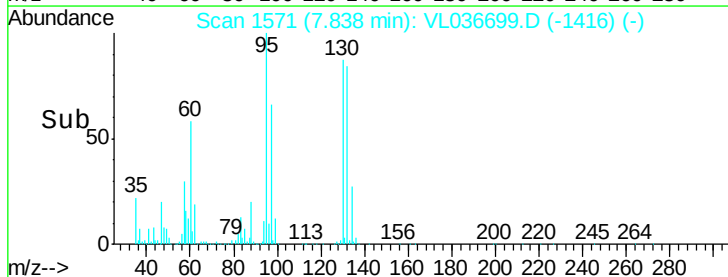
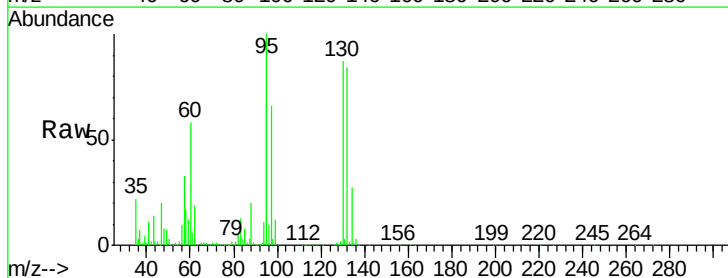
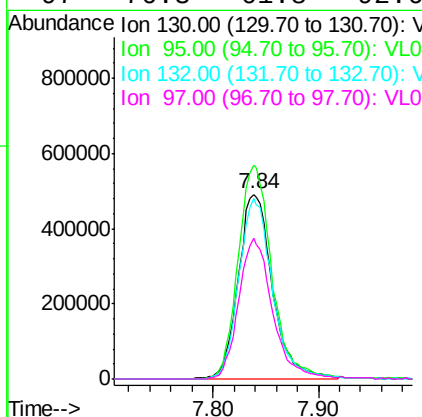
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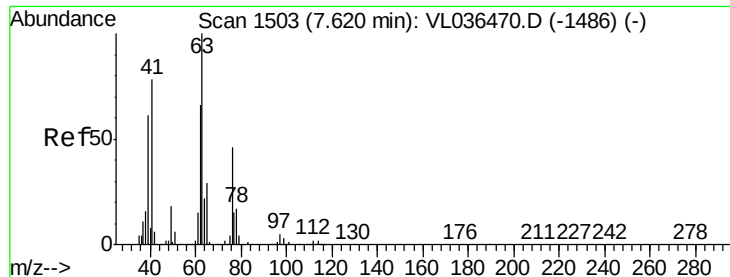
MMDadoda
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#38
Trichloroethene
Concen: 9.201 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 130 Resp: 1092694
Ion Ratio Lower Upper
130 100
95 115.9 95.7 143.5
132 97.8 76.2 114.4
97 76.3 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.384 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1161572

Ion Ratio Lower Upper

63 100

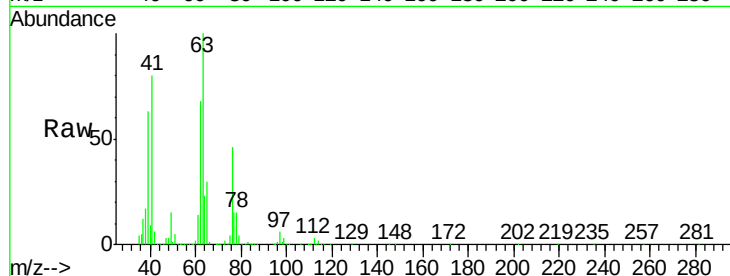
41 79.4 62.4 93.6

62 67.8 52.8 79.2

Manual Integrations
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MMDadoda

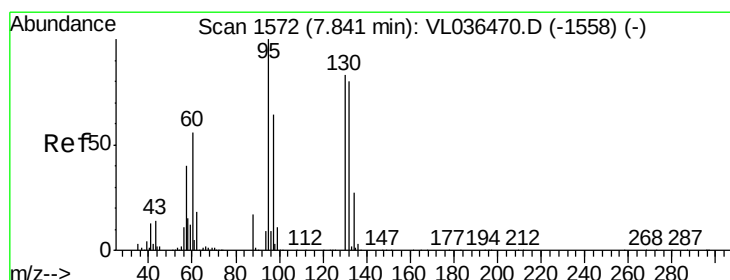
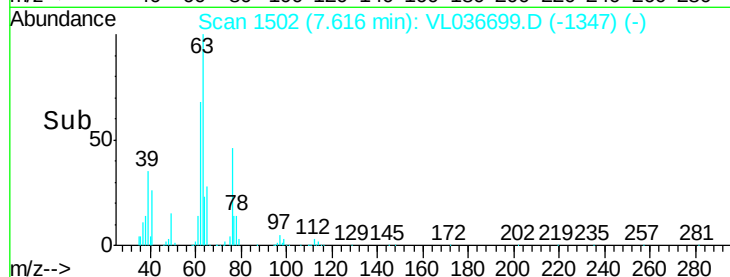
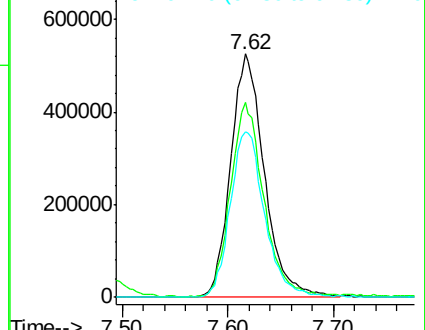
4/6/2021 5:14:54 PM



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.051 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Tgt Ion: 88 Resp: 260761

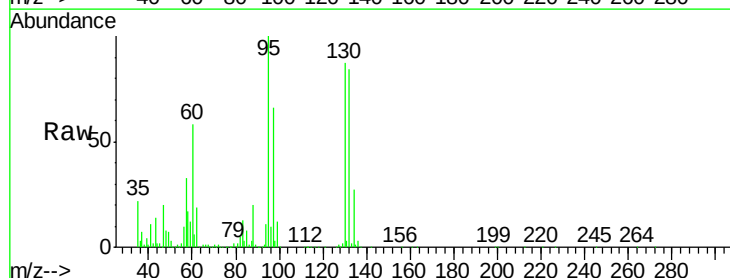
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

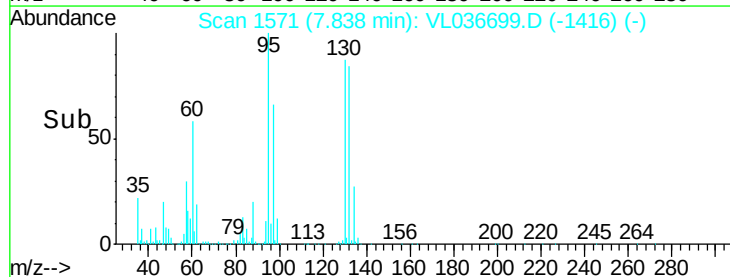
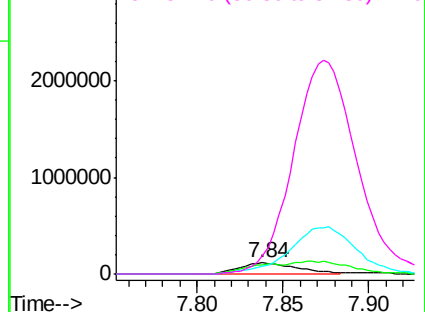


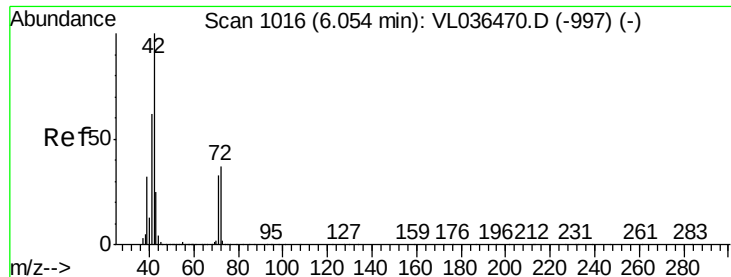
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





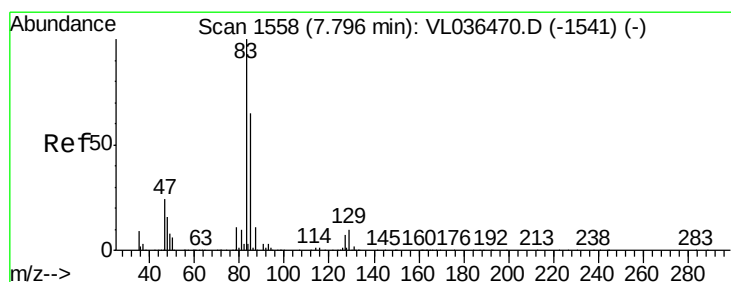
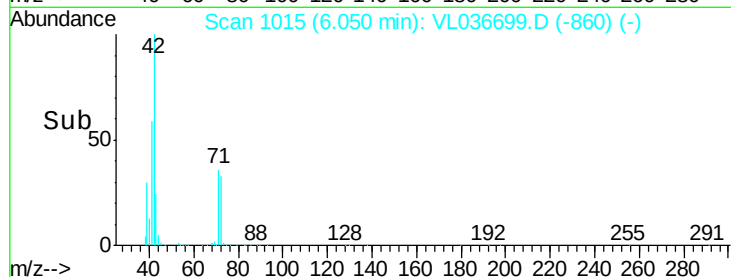
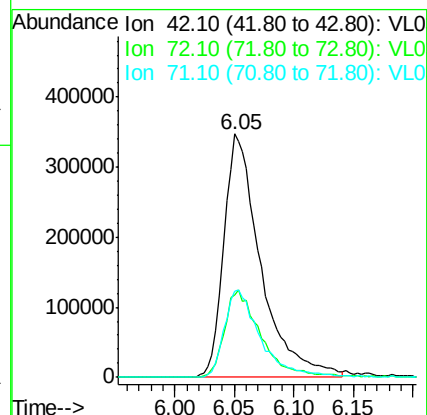
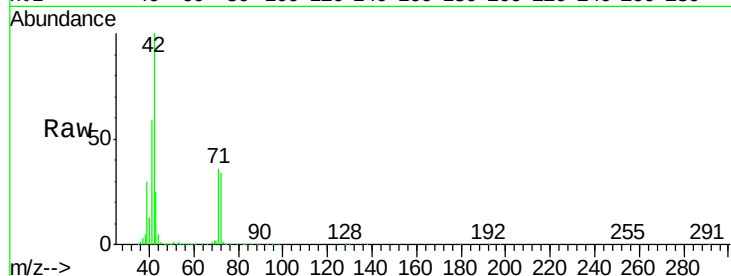
#41
Tetrahydrofuran
Concen: 9.980 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	27.6	41.4
71	35.8	27.0	40.4

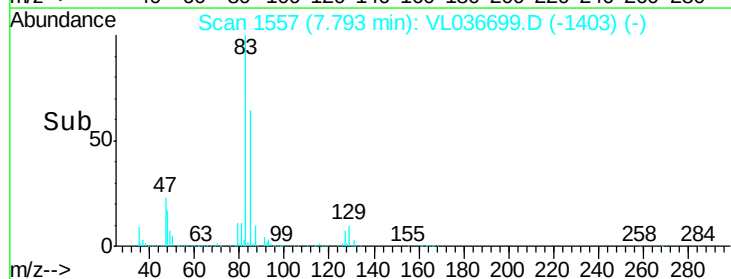
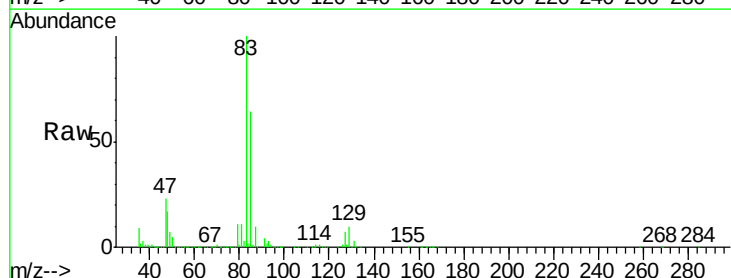
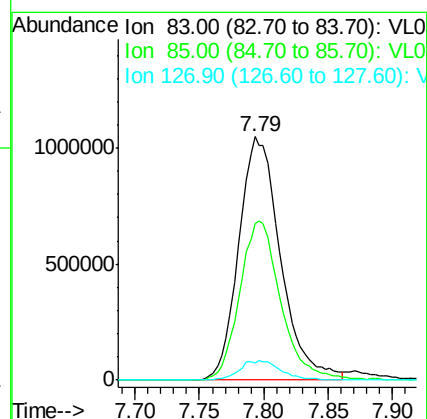
Manual Integrations
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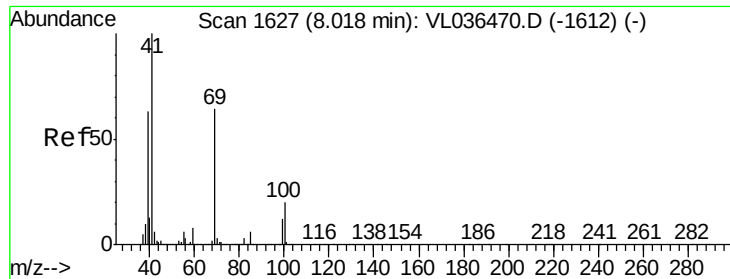
MMDadoda
4/6/2021 5:14:54 PM



#42
Bromodichloromethane
Concen: 9.646 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	7.2	5.8	8.8





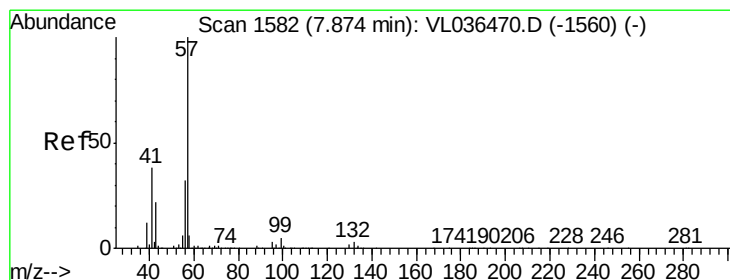
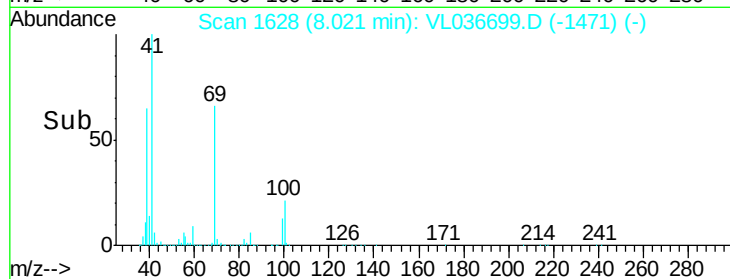
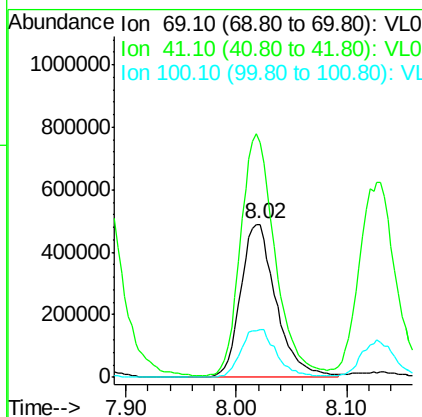
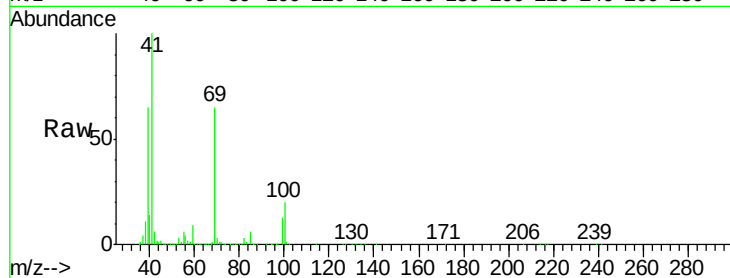
#43
Methyl Methacrylate
Concen: 10.606 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1086797
Ion Ratio Lower Upper
69 100
41 155.3 126.8 190.2
100 31.9 24.9 37.3

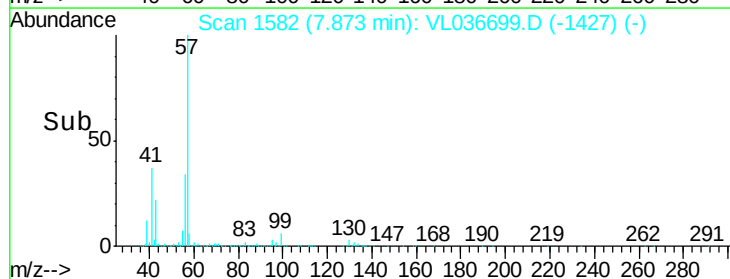
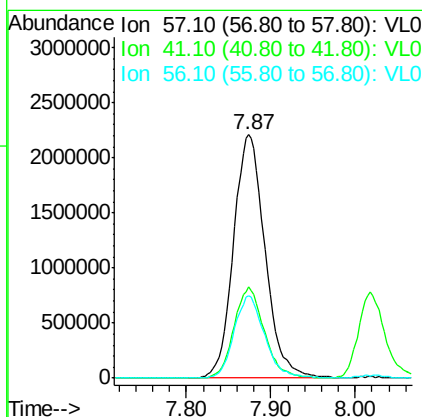
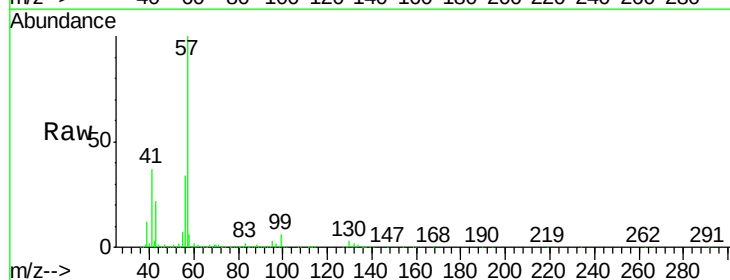
Manual Integrations
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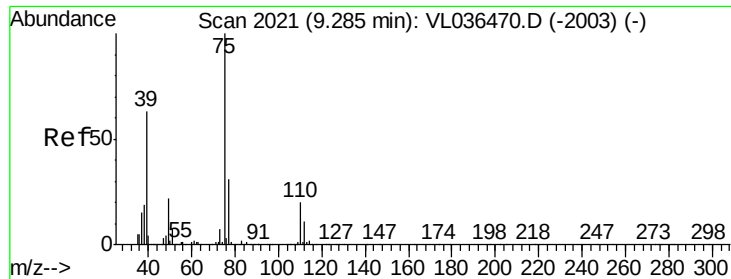
MMDadoda
4/6/2021 5:14:54 PM



#44
2,2,4-Trimethylpentane
Concen: 10.689 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 57 Resp: 5740691
Ion Ratio Lower Upper
57 100
41 35.7 28.8 43.2
56 32.5 26.1 39.1





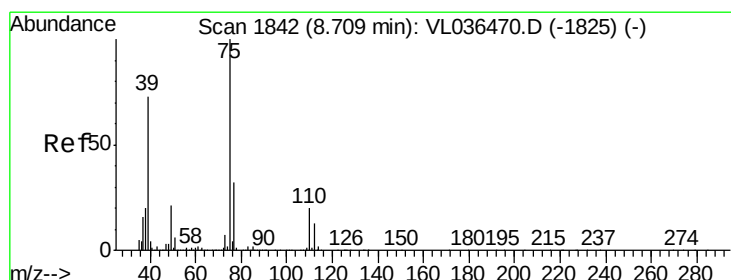
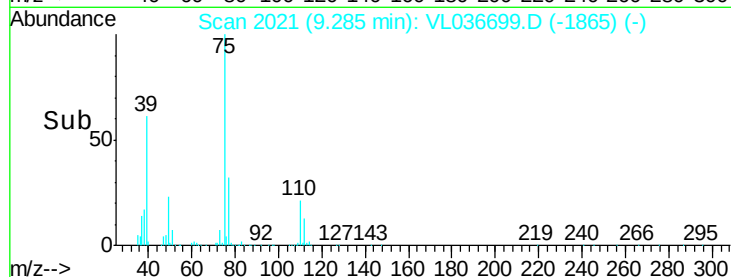
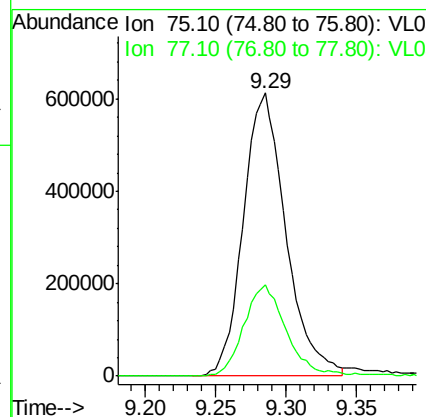
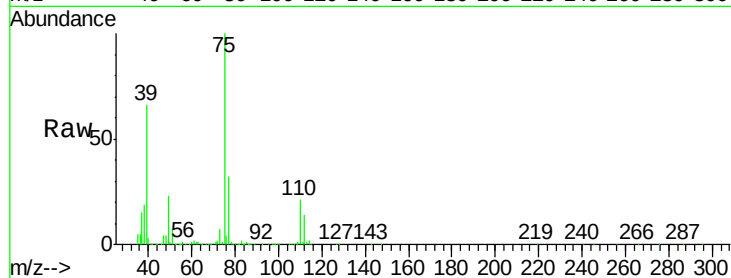
#45
t-1,3-Dichloropropene
Concen: 11.064 ppbv
RT: 9.29 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1294558
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7

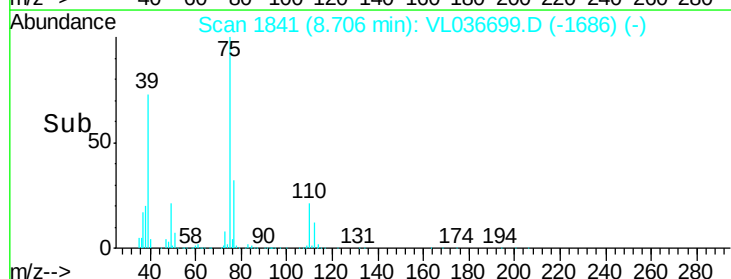
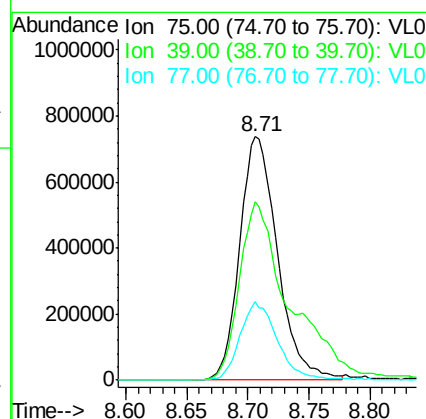
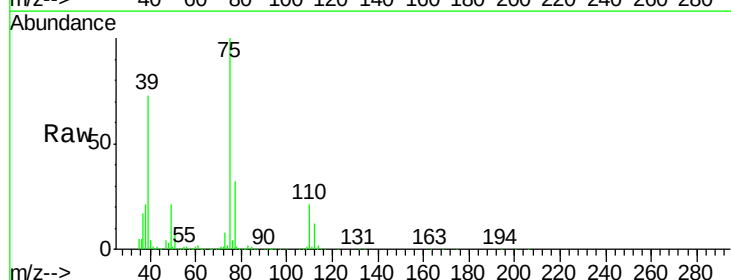
Manual Integrations
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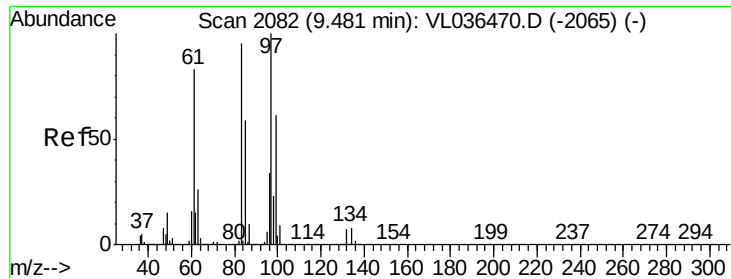
MMDadoda
4/6/2021 5:14:54 PM



#46
cis-1,3-Dichloropropene
Concen: 10.575 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 75 Resp: 1581656
Ion Ratio Lower Upper
75 100
39 73.2 58.2 87.2
77 32.4 25.2 37.8





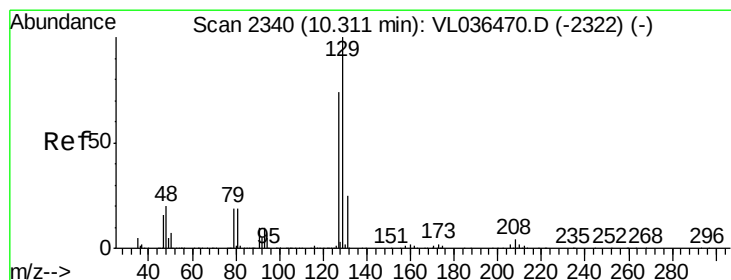
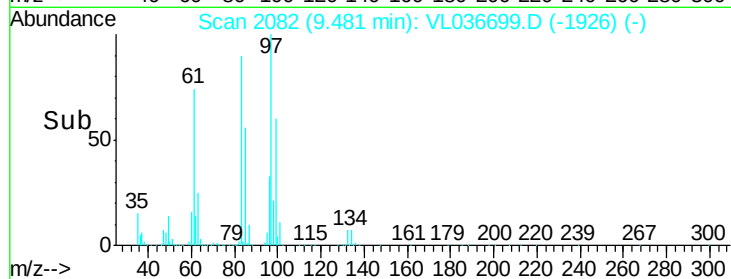
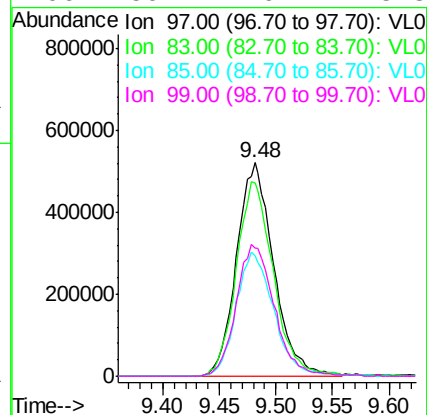
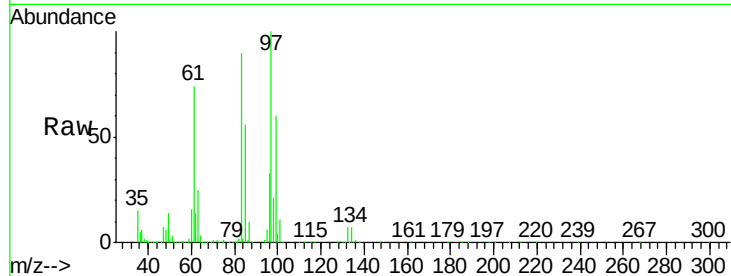
#47
 1,1,2-Trichloroethane
 Concen: 9.485 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.4	75.8	113.8	
85	56.3	47.1	70.7	
99	59.7	49.2	73.8	

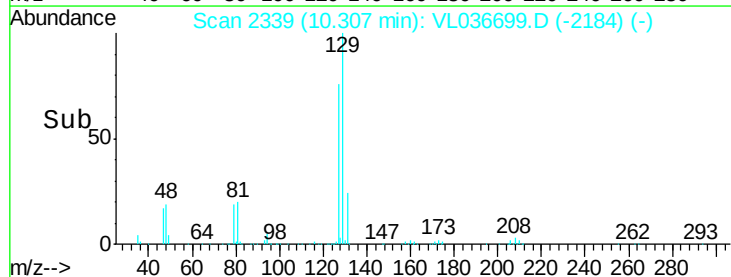
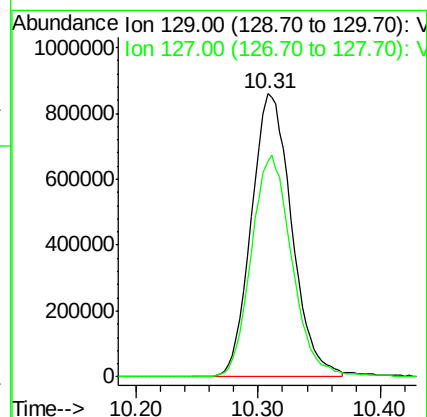
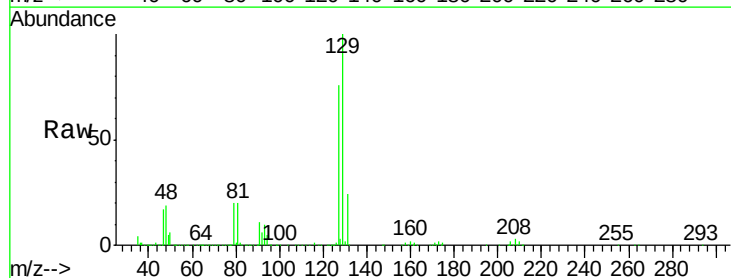
Manual Integrations
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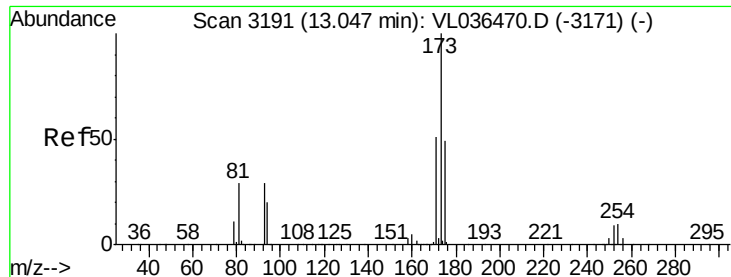
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.269 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	39.6	118.8	





#49

Bromoform

Concen: 10.321 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1589451

Ion Ratio Lower Upper

173 100

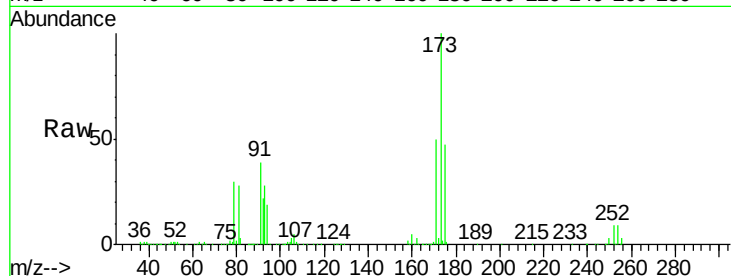
175 49.8 39.6 59.4

171 52.4 41.4 62.0

Manual Integrations
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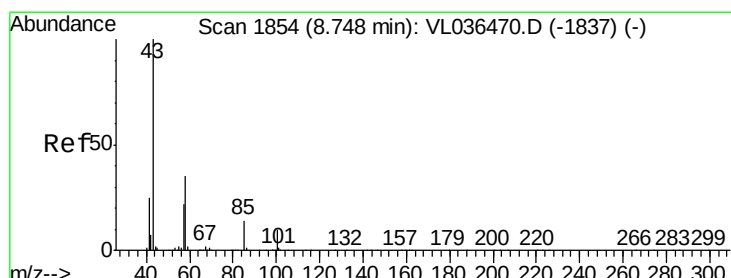
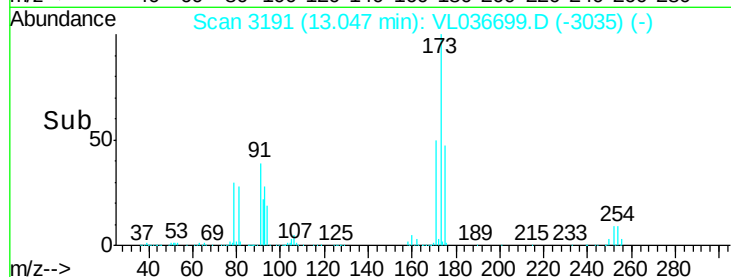
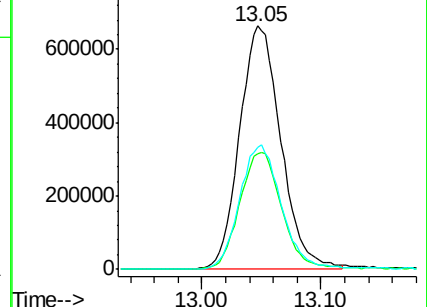
4/6/2021 5:14:54 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.005 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL036699.D

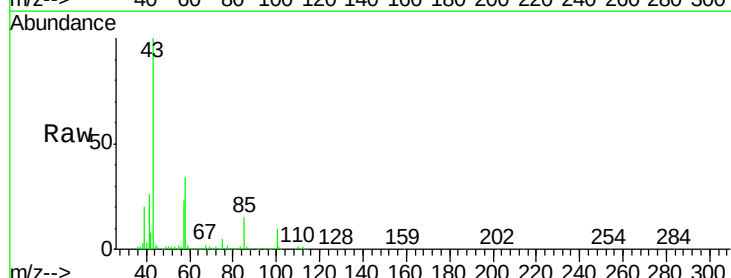
Acq: 6 Apr 2021 11:47

Tgt Ion: 43 Resp: 2338167

Ion Ratio Lower Upper

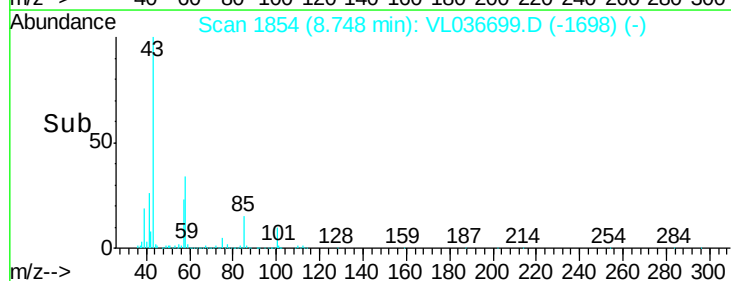
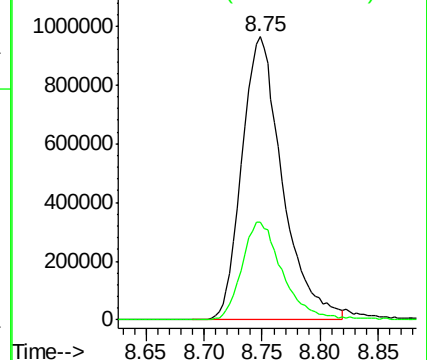
43 100

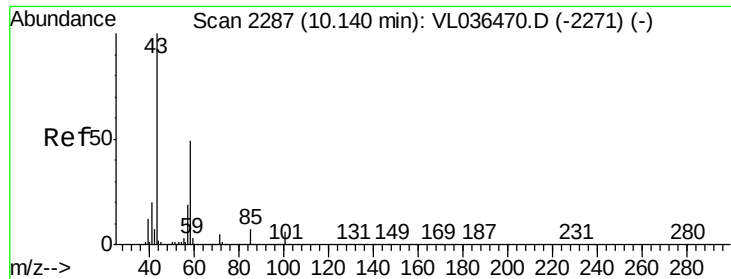
58 35.1 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





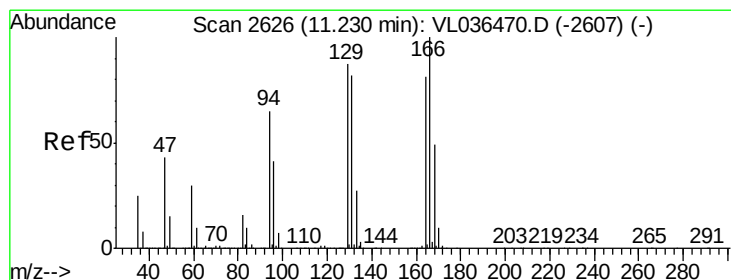
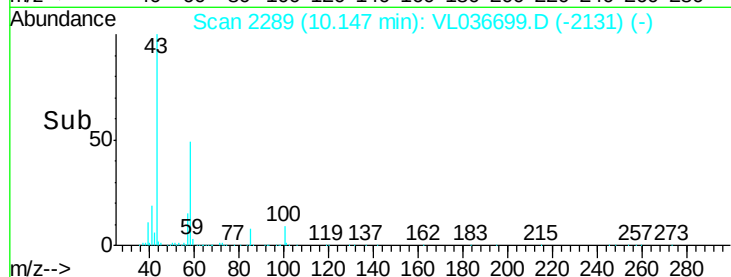
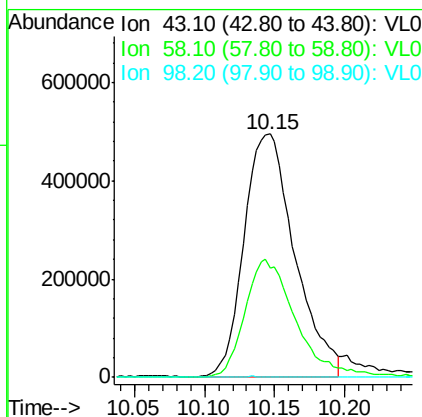
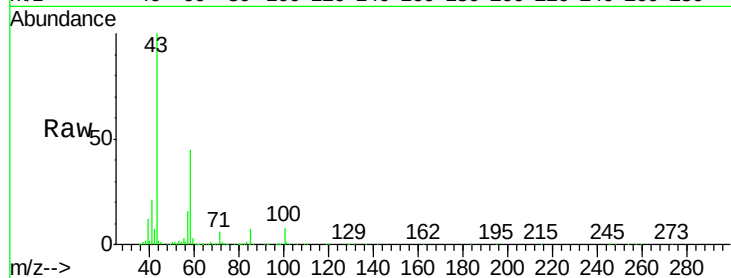
#51
2-Hexanone
Concen: 10.519 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	37.7	56.5
98	0.8	0.2	0.2

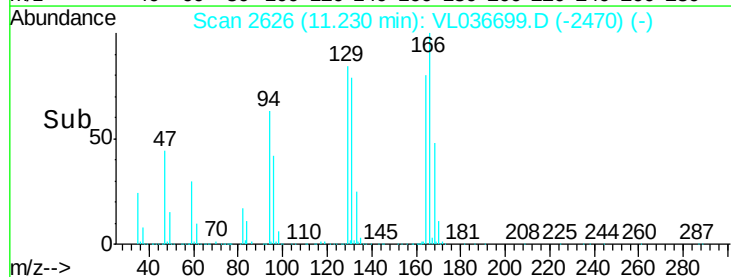
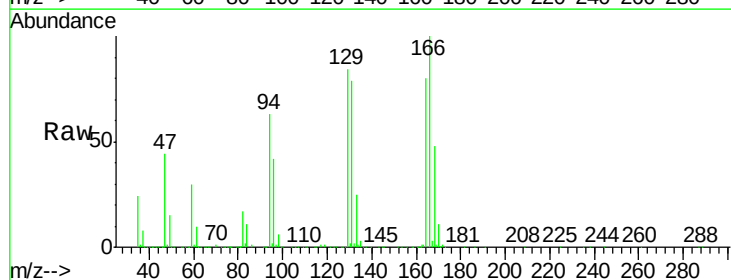
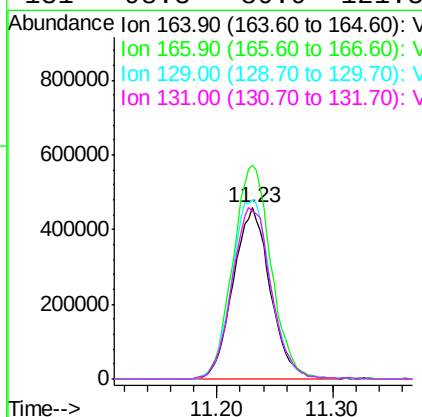
Manual Integrations
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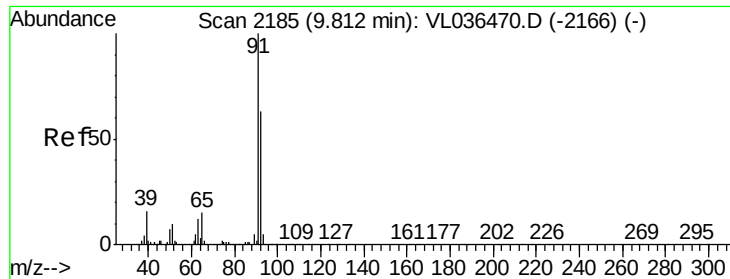
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#52
Tetrachloroethene
Concen: 8.998 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.3	147.5
129	104.8	85.8	128.8
131	98.3	80.9	121.3





#53

Toluene

Concen: 10.273 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3338456

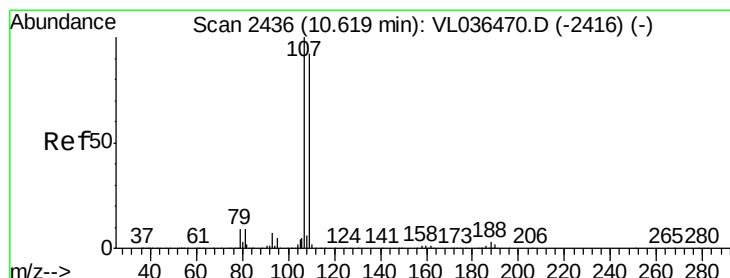
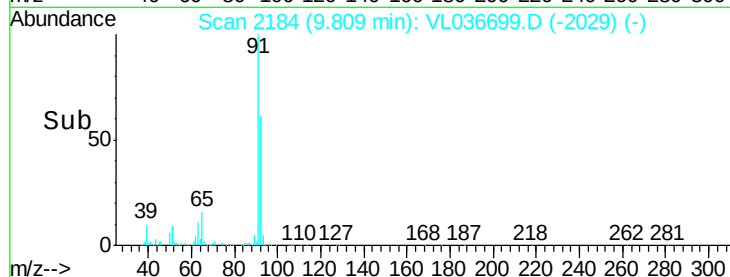
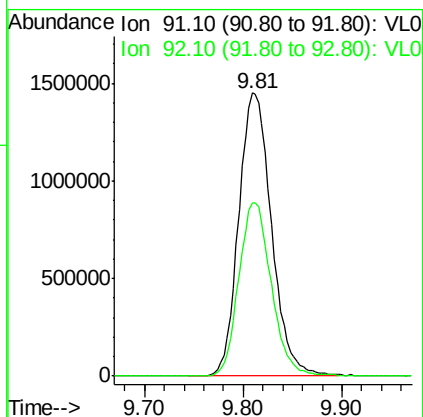
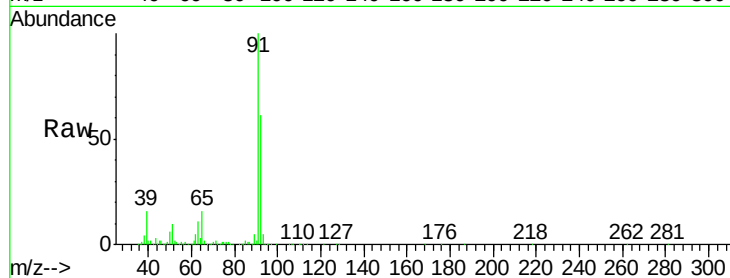
Ion Ratio Lower Upper

91 100

92 60.9 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.825 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL036699.D

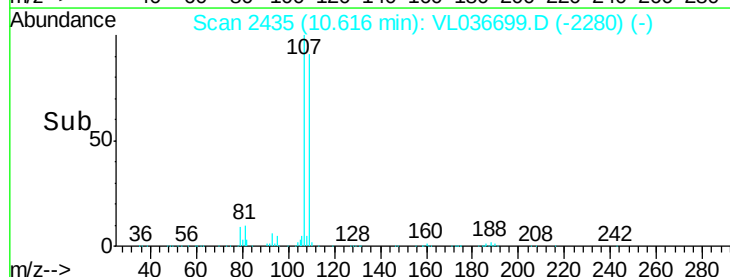
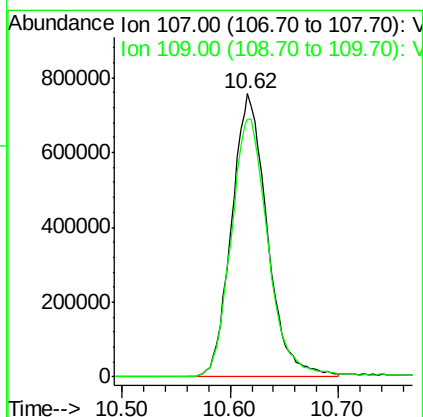
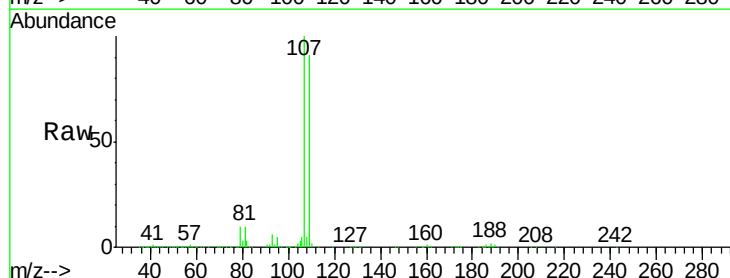
Acq: 6 Apr 2021 11:47

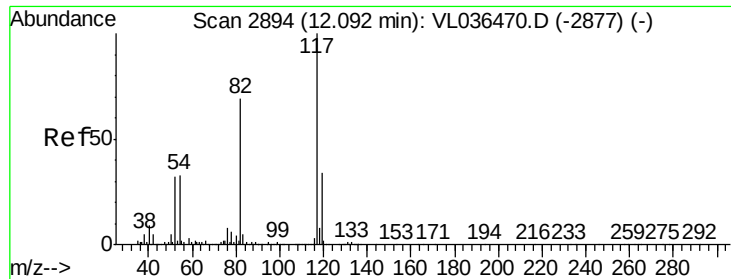
Tgt Ion: 107 Resp: 1739663

Ion Ratio Lower Upper

107 100

109 90.8 73.9 110.9





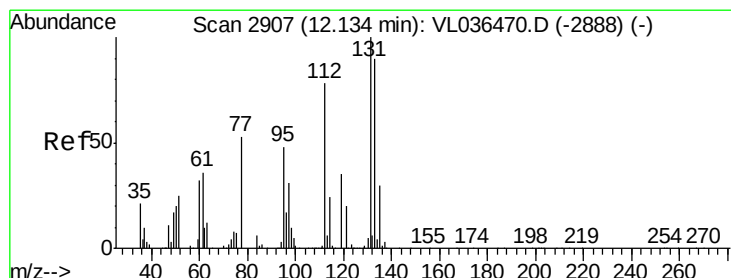
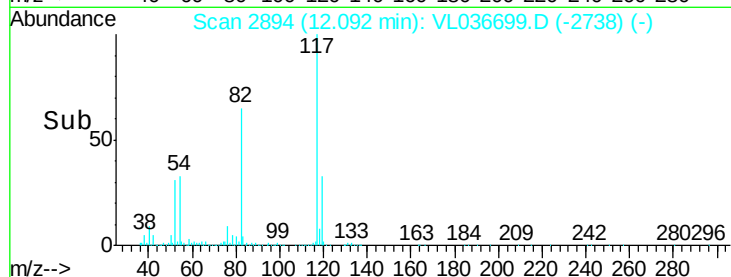
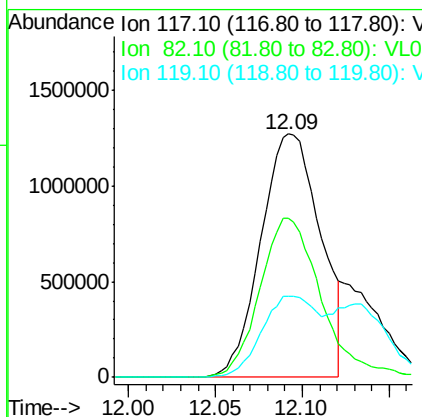
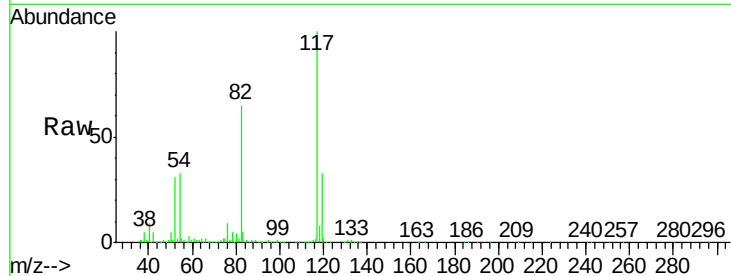
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3031989
Ion Ratio Lower Upper
117 100
82 67.8 57.4 86.0
119 35.0 47.4 71.0#

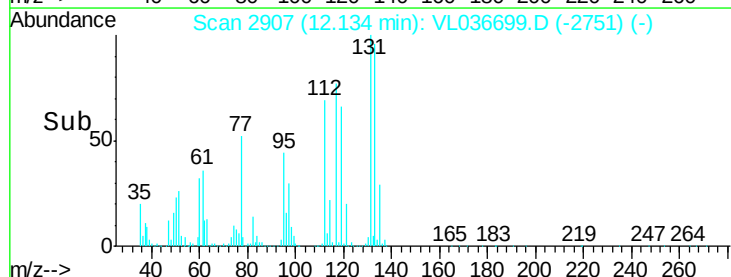
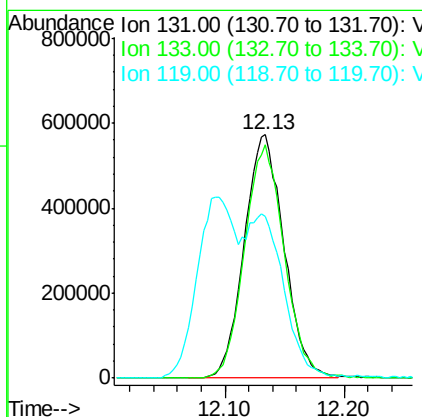
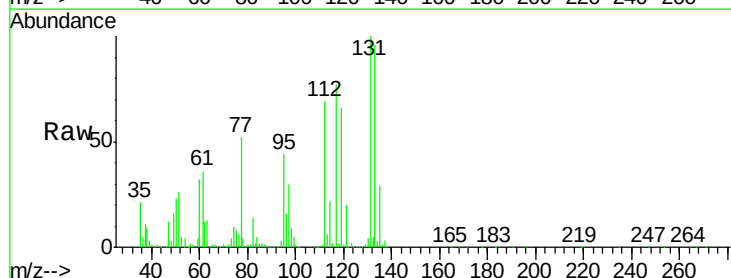
Manual Integrations
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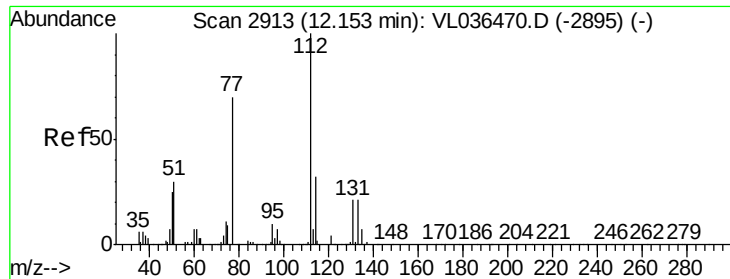
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.646 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion:131 Resp: 1322842
Ion Ratio Lower Upper
131 100
133 96.0 75.8 113.6
119 57.7 48.7 73.1





#57

Chlorobenzene

Concen: 9.514 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2454425

Ion Ratio Lower Upper

112 100

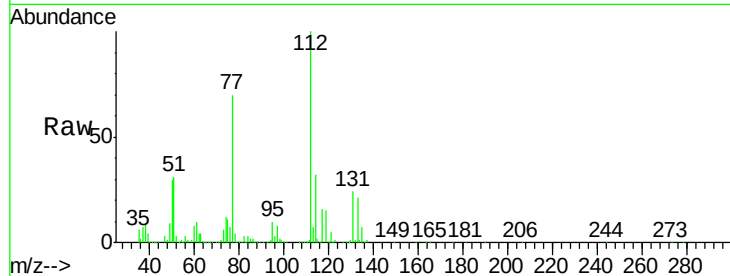
77 68.7 56.0 84.0

114 32.0 29.0 35.4

Manual Integrations
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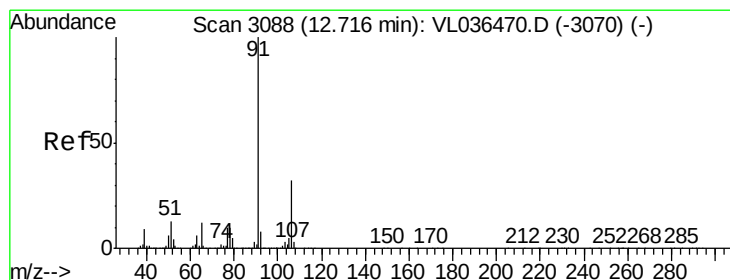
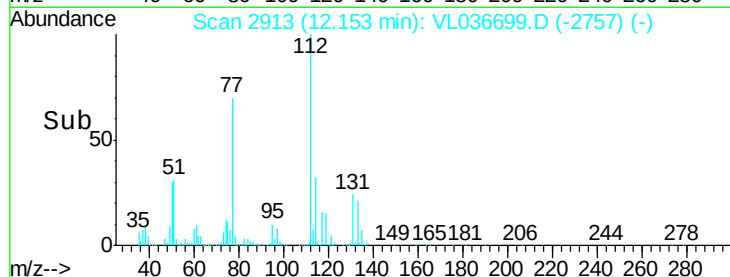
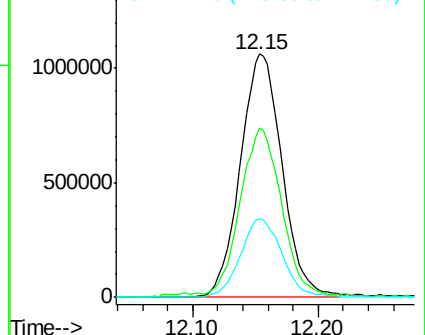
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.014 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL036699.D

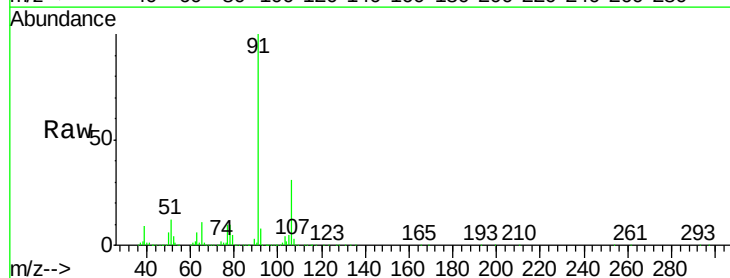
Acq: 6 Apr 2021 11:47

Tgt Ion: 91 Resp: 4417180

Ion Ratio Lower Upper

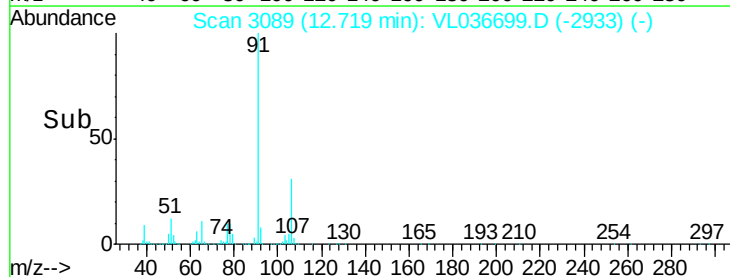
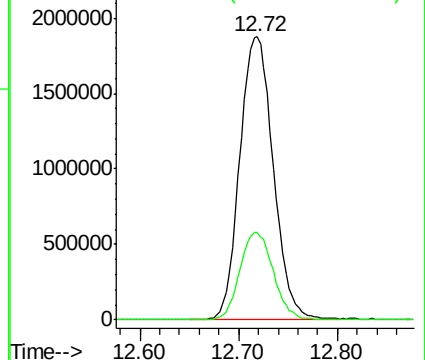
91 100

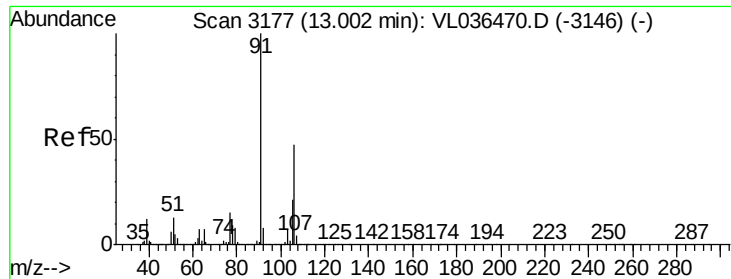
106 30.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





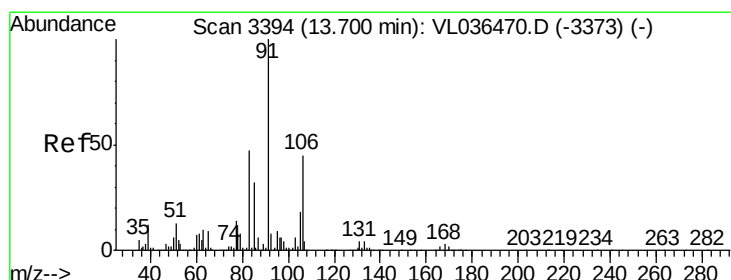
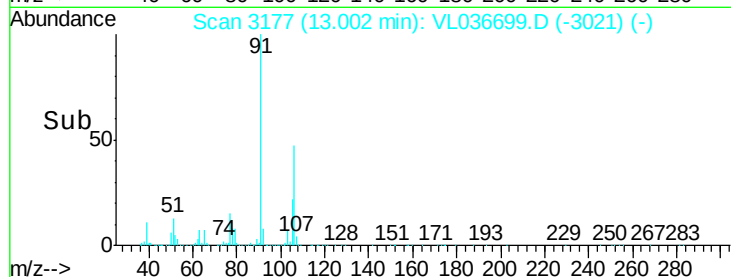
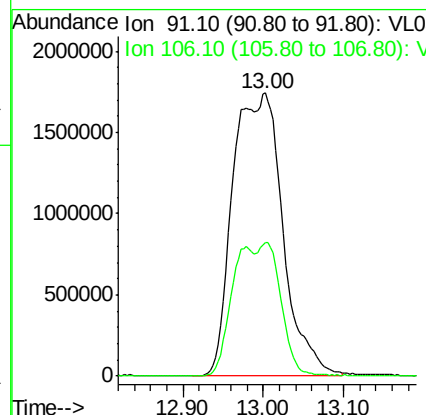
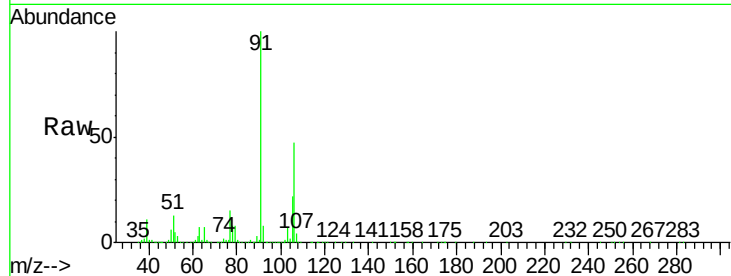
#59
m/p-Xylene
Concen: 19.352 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7445555
Ion Ratio Lower Upper
91 100
106 44.6 35.3 52.9

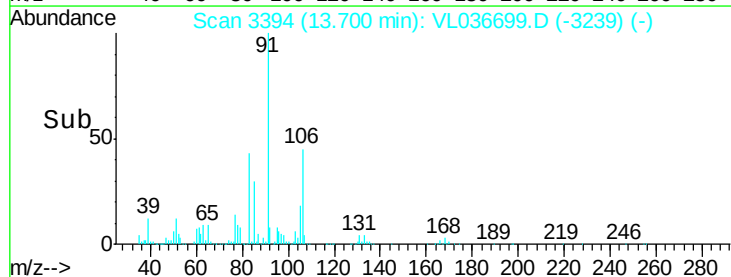
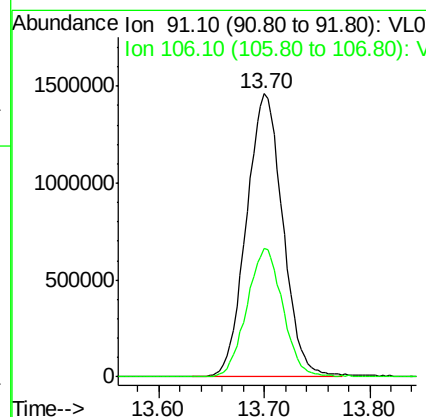
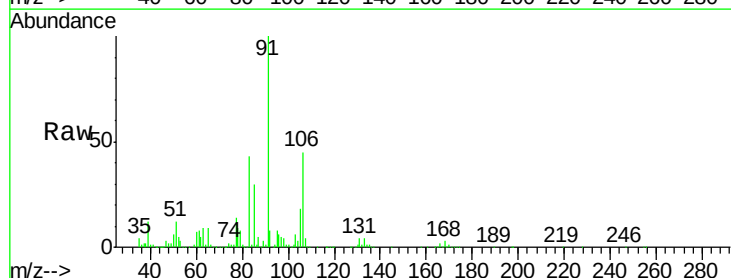
Manual Integrations
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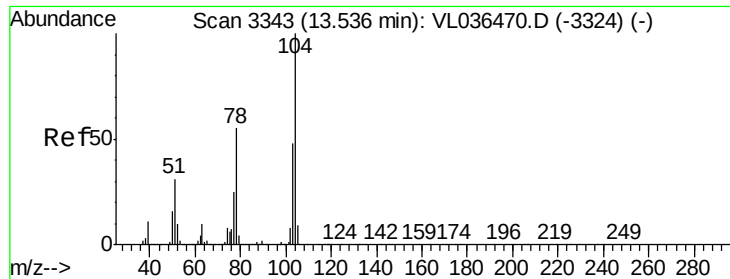
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#60
o-Xylene
Concen: 9.422 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion: 91 Resp: 3505056
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9





#61

Stvrene

Concen: 11.150 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2086866

Ion Ratio Lower Upper

104 100

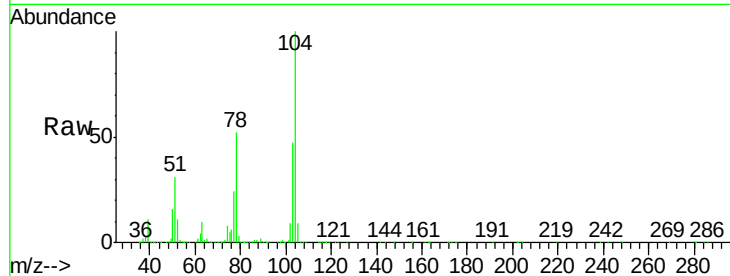
78 53.7 43.8 65.8

103 47.9 38.3 57.5

Manual Integrations
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1200000

1000000

800000

600000

400000

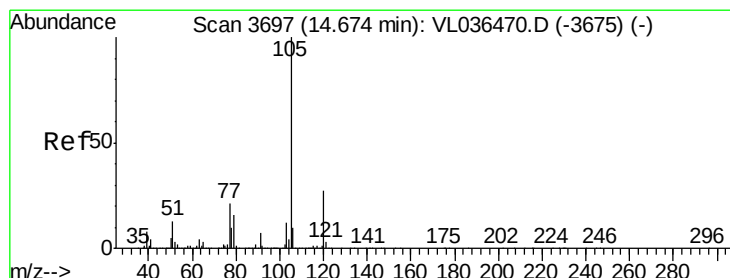
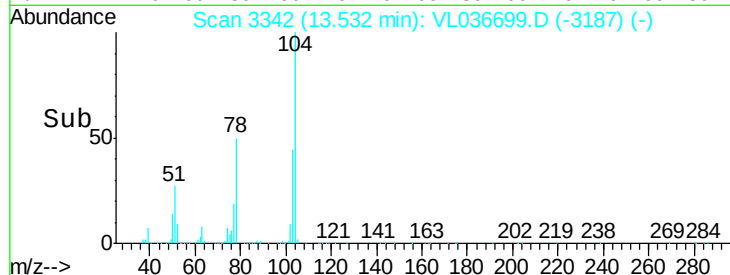
200000

0

13.53

13.50 13.55 13.60

Time-->



#62

Isopropylbenzene

Concen: 9.624 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL036699.D

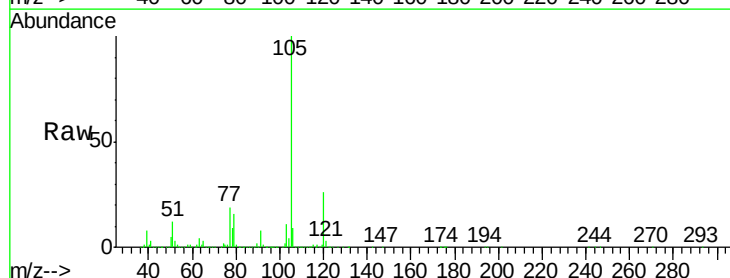
Acq: 6 Apr 2021 11:47

Tgt Ion:105 Resp: 4821470

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

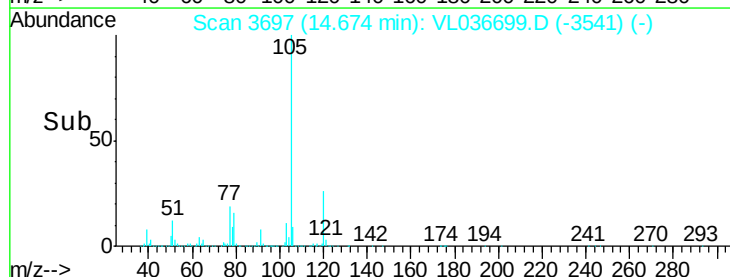
500000

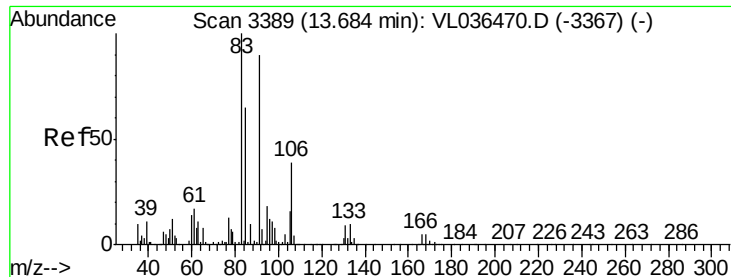
0

14.67

14.60 14.70

Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 8.565 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2430483

Ion Ratio Lower Upper

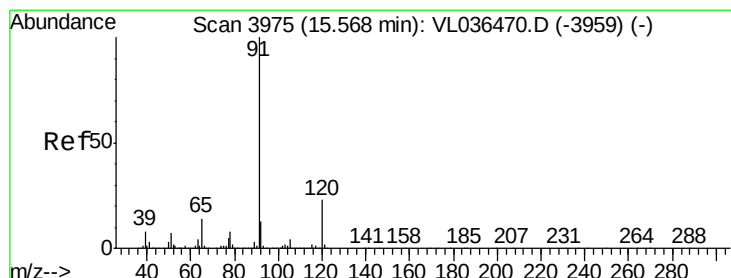
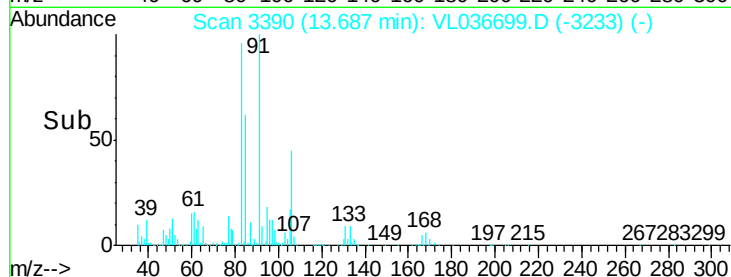
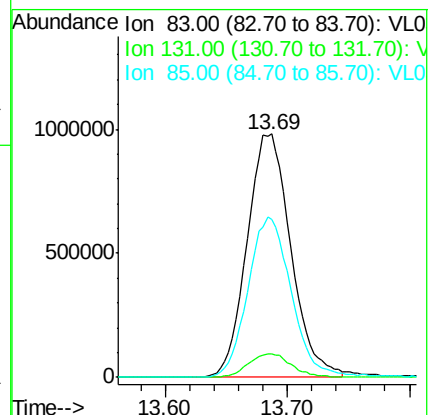
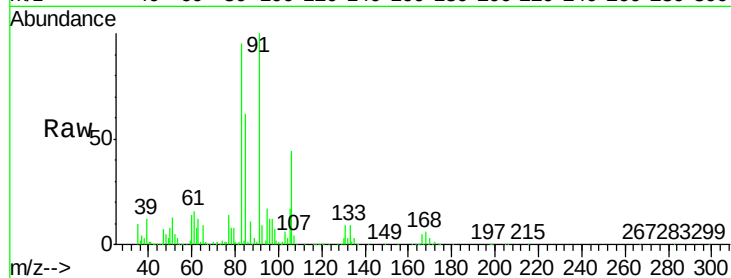
83 100

131 9.7 4.7 14.0

85 66.5 33.1 99.3

Manual Integrations
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#64

n-propylbenzene

Concen: 10.092 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL036699.D

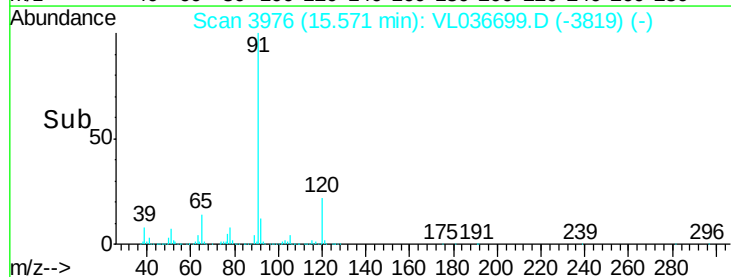
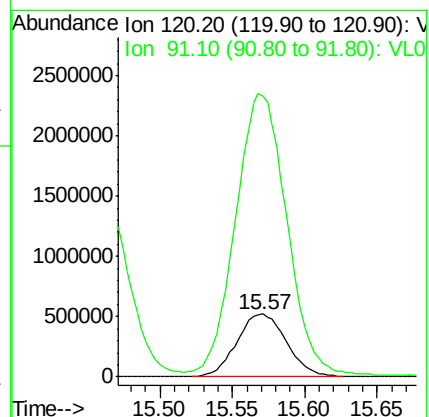
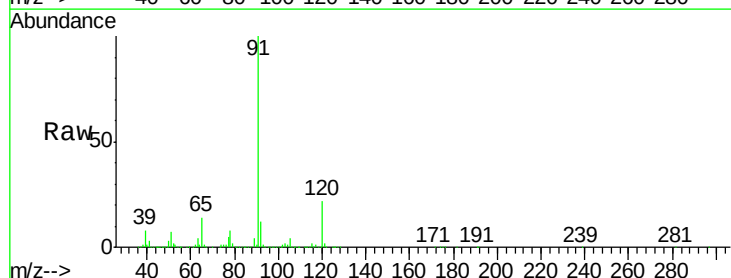
Acq: 6 Apr 2021 11:47

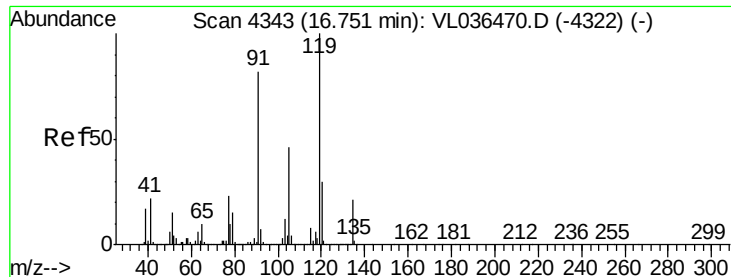
Tgt Ion: 120 Resp: 1236082

Ion Ratio Lower Upper

120 100

91 473.4 377.4 566.2





#65

tert-Butylbenzene

Concen: 9.581 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 4162072

Ion Ratio Lower Upper

119 100

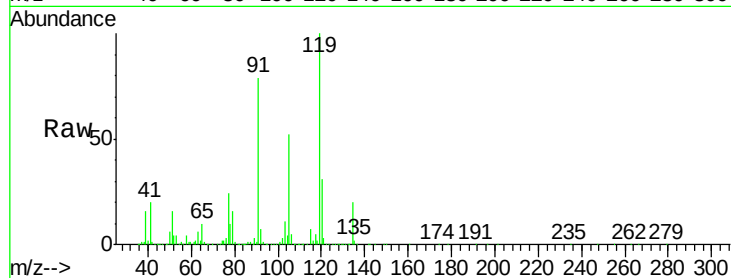
91 83.1 67.5 101.3

134 19.5 15.8 23.8

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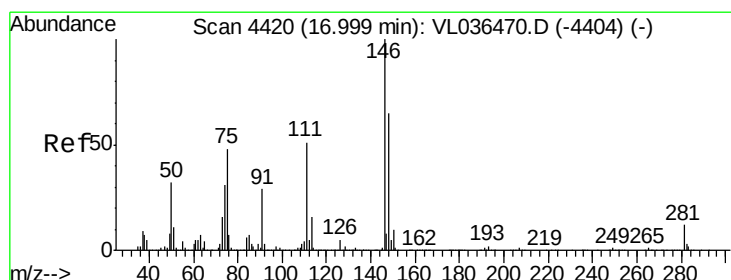
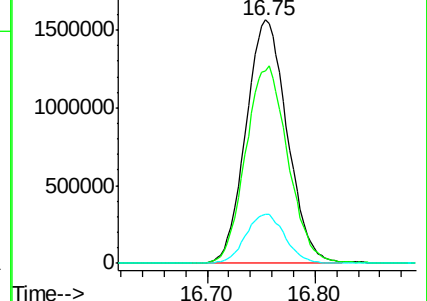
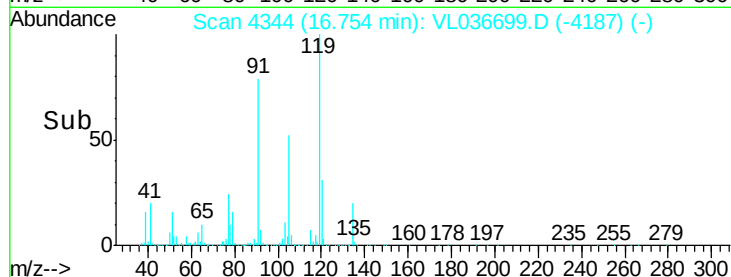
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.290 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

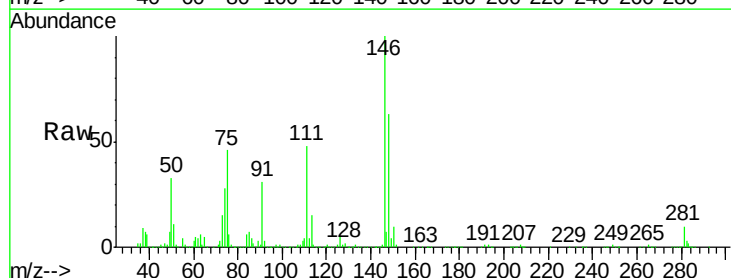
Tgt Ion: 91 Resp: 590127

Ion Ratio Lower Upper

91 100

126 17.7 13.5 20.3

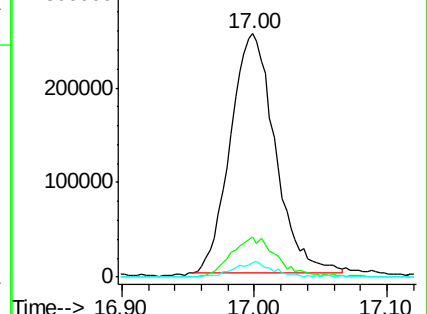
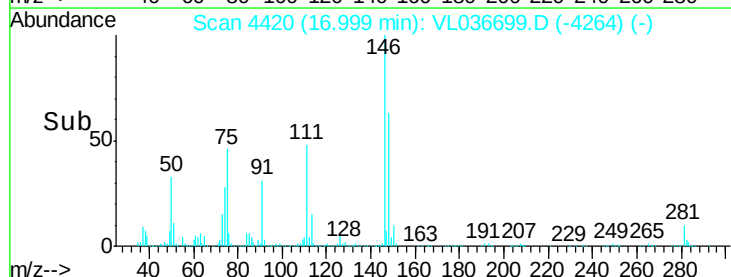
128 6.1 4.2 6.4

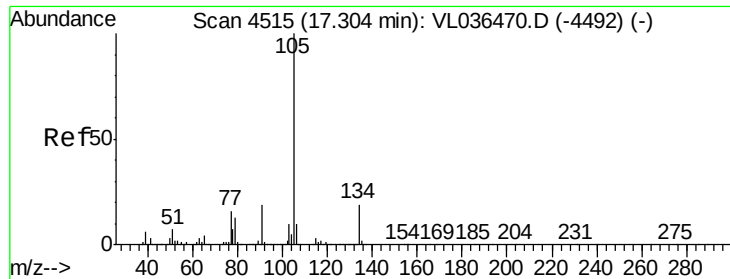


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.457 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5799182

Ion Ratio Lower Upper

105 100

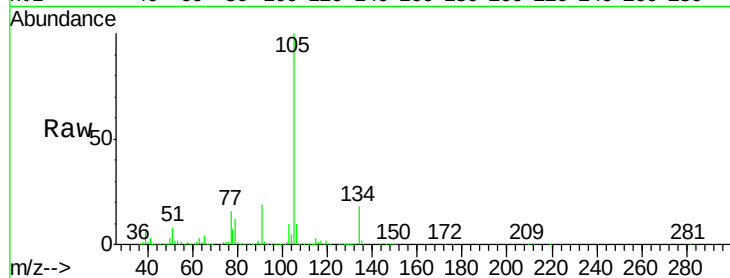
134 18.3 14.7 22.1

Manual Integrations

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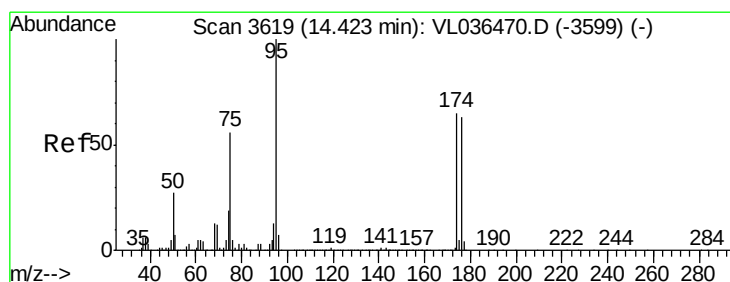
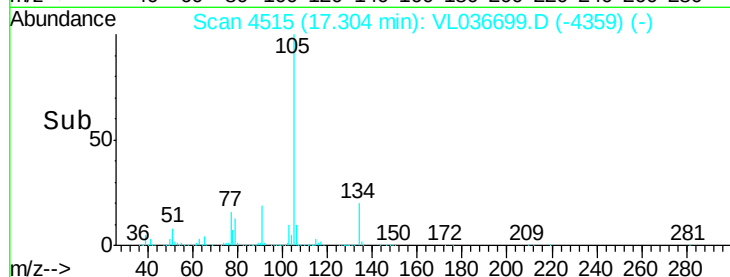
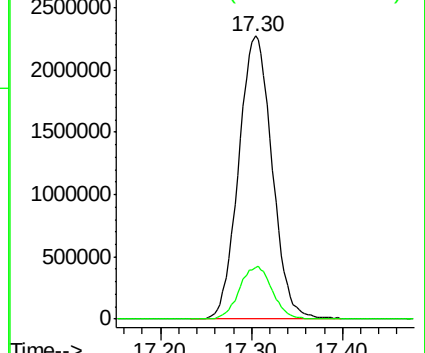
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.480 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

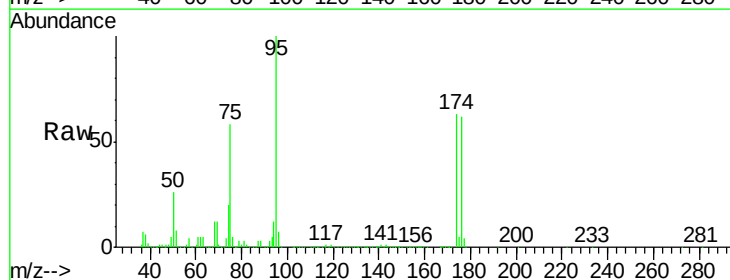
Tgt Ion: 95 Resp: 2532478

Ion Ratio Lower Upper

95 100

174 64.7 51.0 76.6

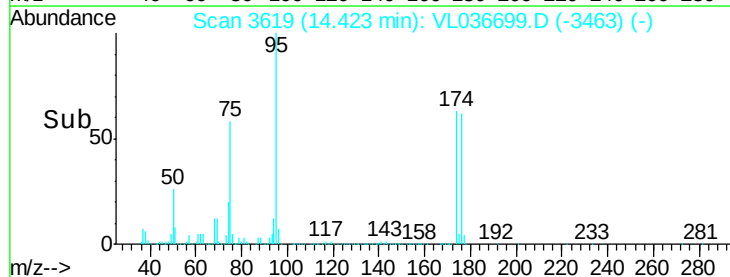
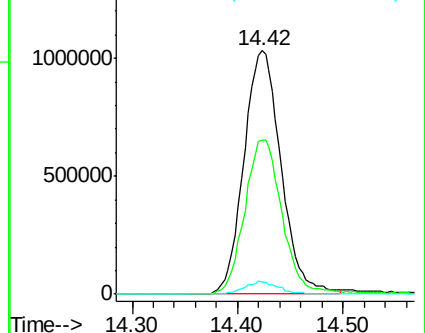
175 4.9 3.9 5.9

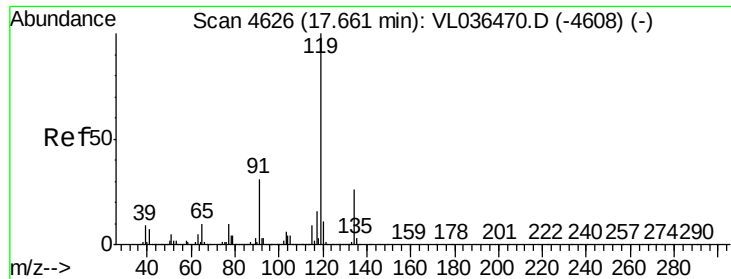


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





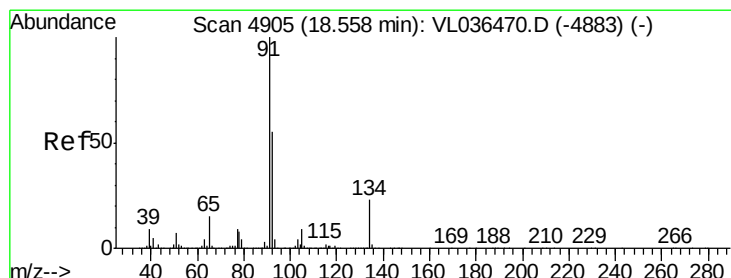
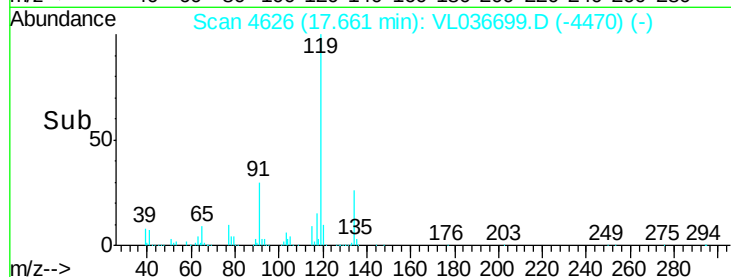
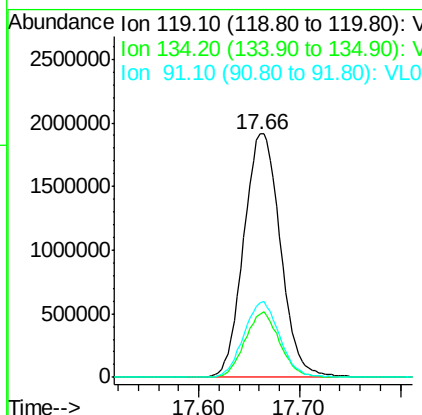
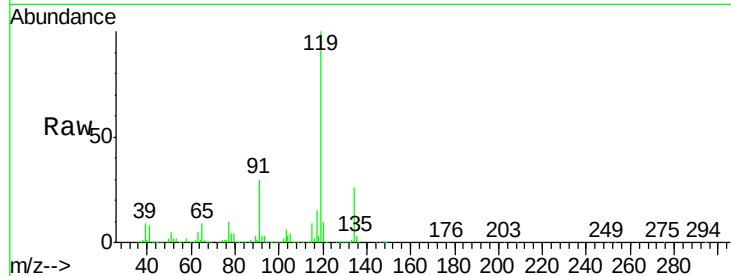
#69
 p-Isopropyltoluene
 Concen: 10.067 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	30.1	25.0	37.6

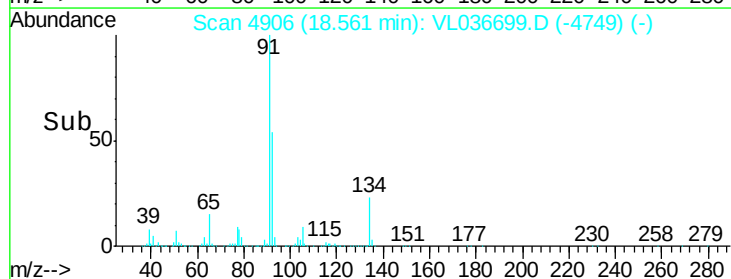
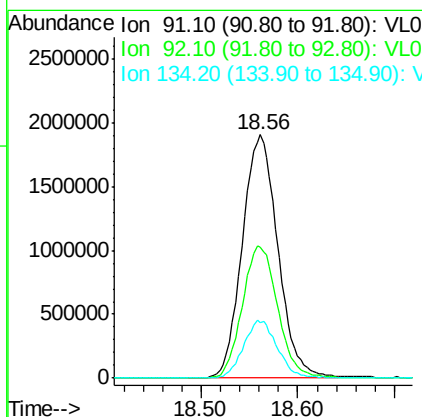
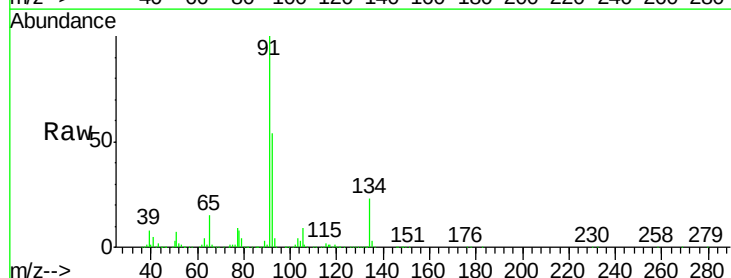
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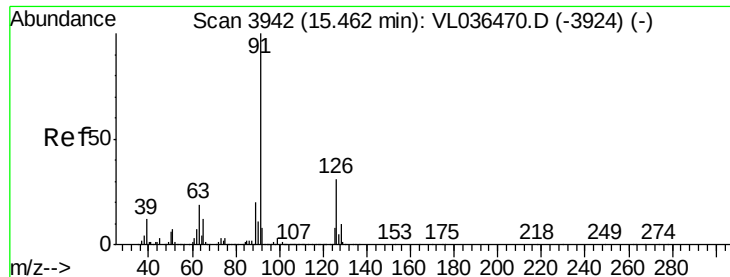
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.803 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
134	22.7	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.639 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3618433

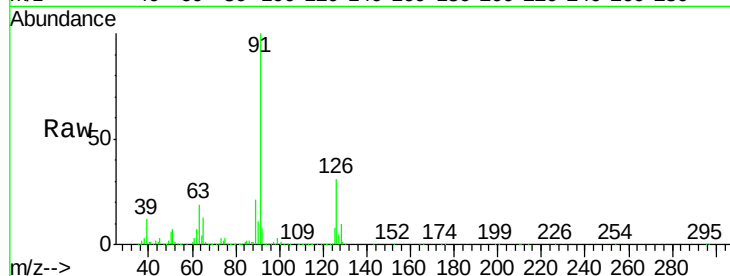
Ion Ratio Lower Upper

91 100

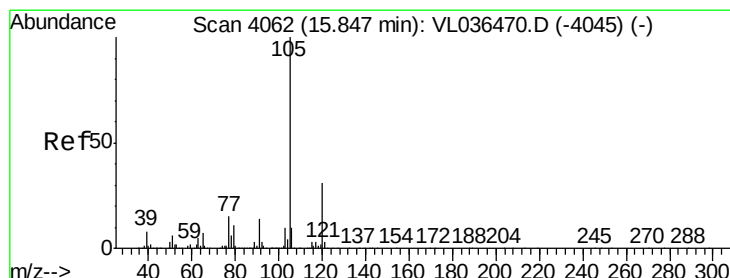
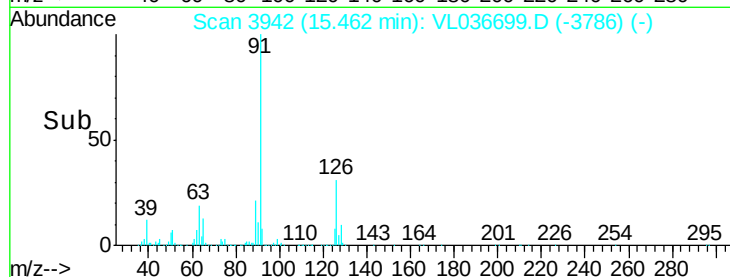
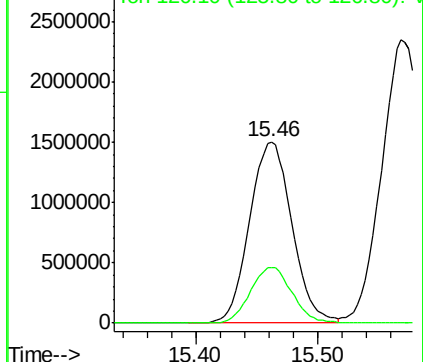
126 30.6 12.1 48.5

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Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.132 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL036699.D

Acq: 6 Apr 2021 11:47

Tgt Ion: 105 Resp: 4130088

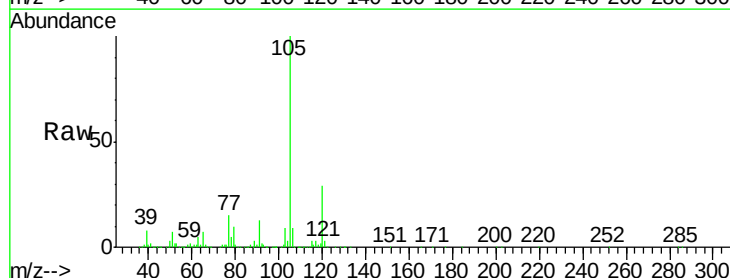
Ion Ratio Lower Upper

105 100

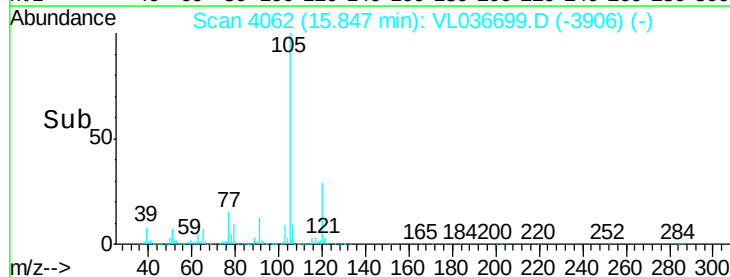
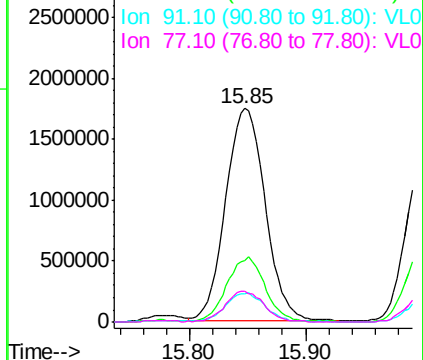
120 30.0 24.0 36.0

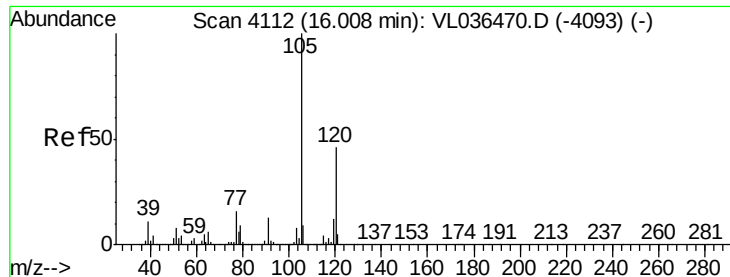
91 13.7 11.0 16.4

77 14.3 11.7 17.5



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





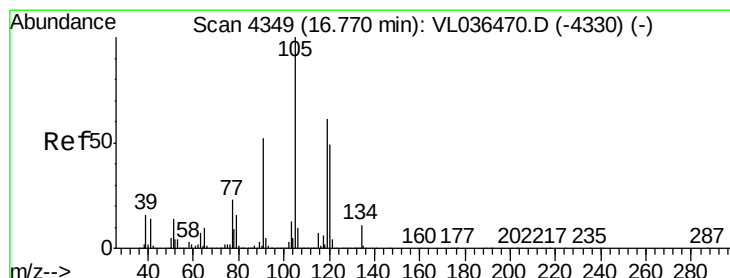
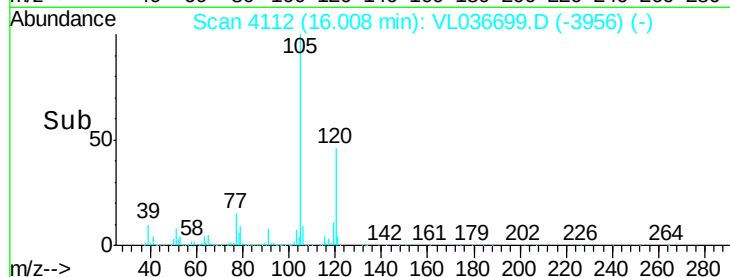
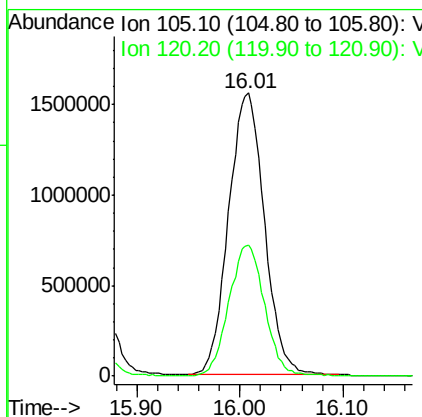
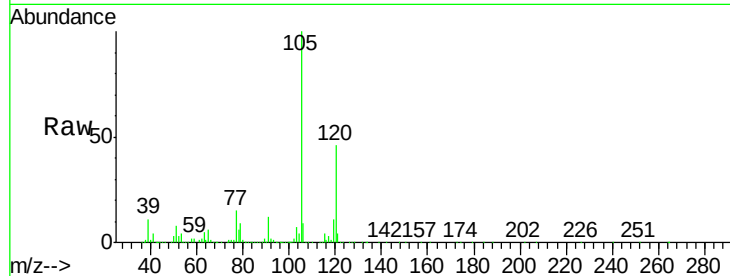
#73
 1,3,5-Trimethylbenzene
 Concen: 9.903 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3767727
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.6 54.8

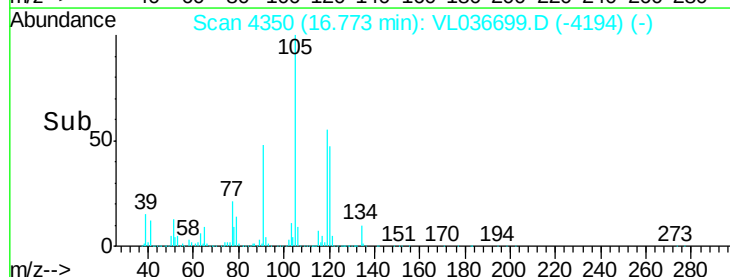
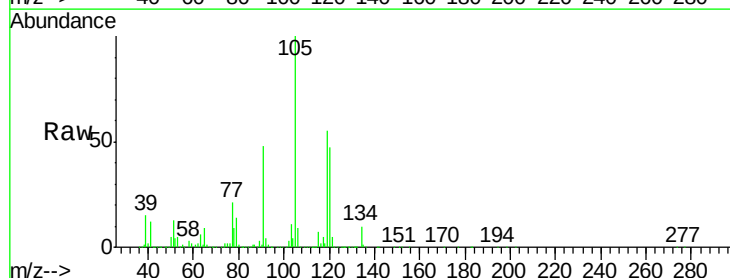
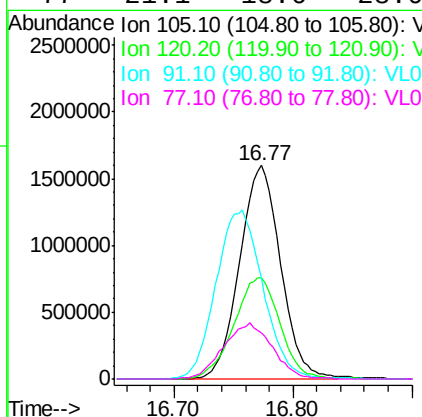
Manual Integrations
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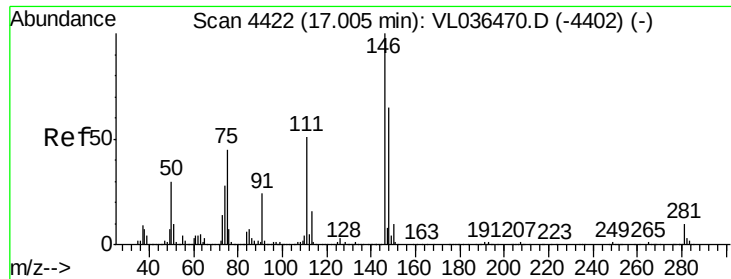
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.346 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Tgt Ion:105 Resp: 3805090
 Ion Ratio Lower Upper
 105 100
 120 46.8 39.2 58.8
 91 47.3 42.6 64.0
 77 21.1 18.6 28.0





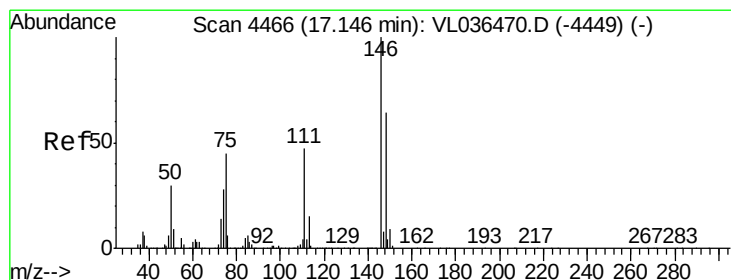
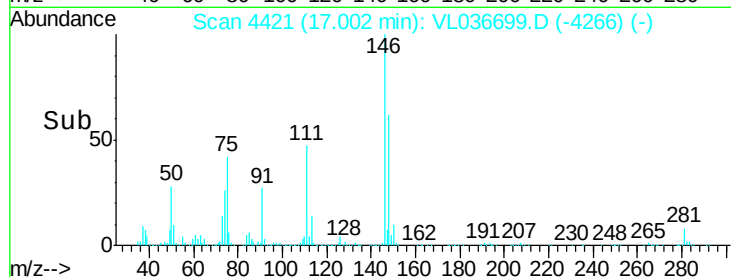
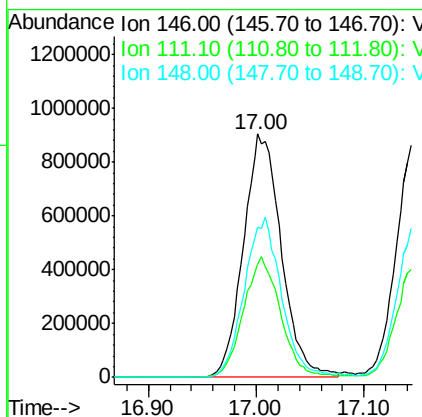
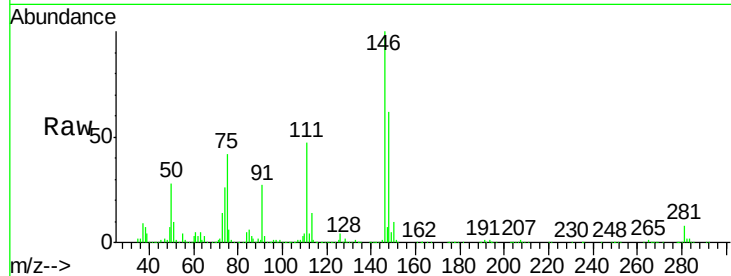
#75
 1,3-Dichlorobenzene
 Concen: 9.653 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2212165
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.5 73.5
 148 64.7 32.3 96.9

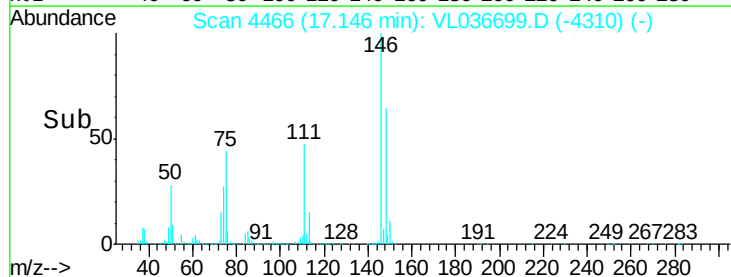
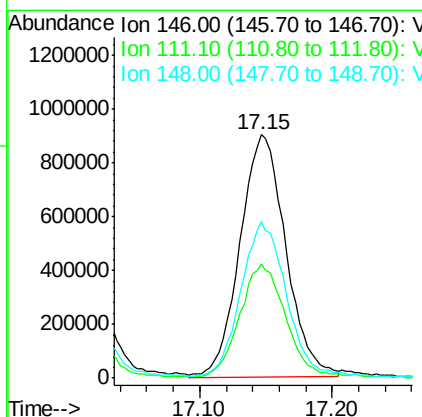
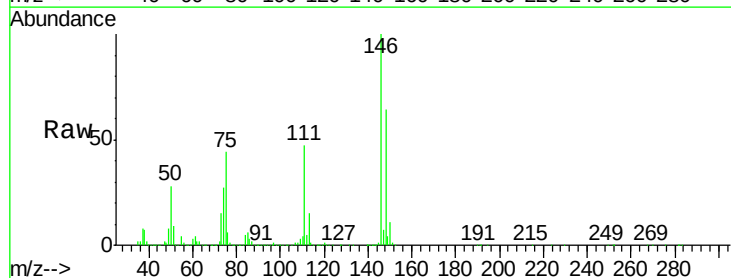
Manual Integrations
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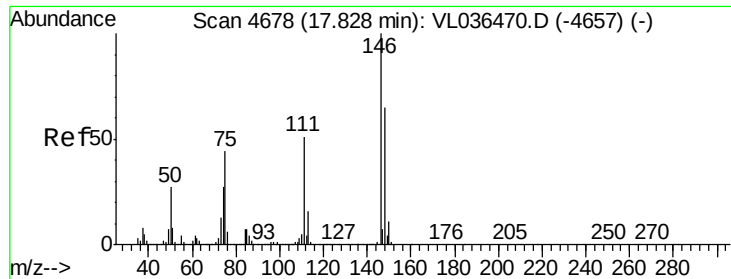
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 9.511 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Tgt Ion:146 Resp: 2164075
 Ion Ratio Lower Upper
 146 100
 111 47.9 24.3 72.8
 148 65.3 33.0 98.9





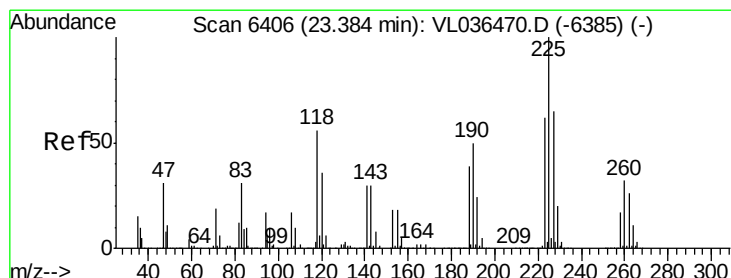
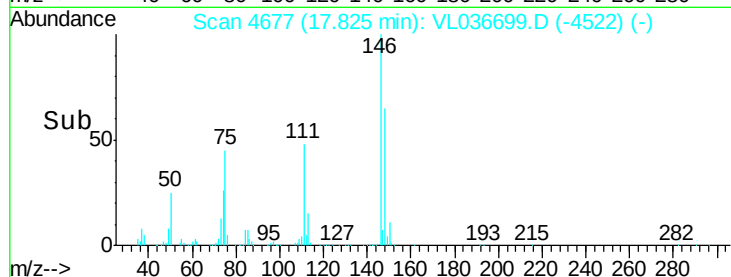
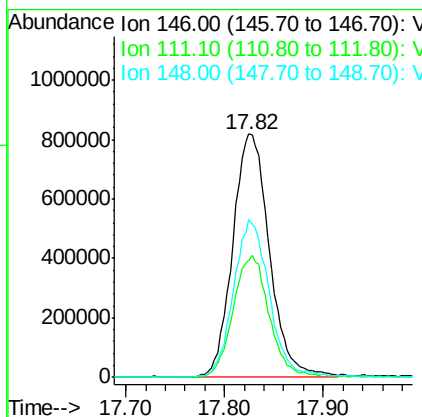
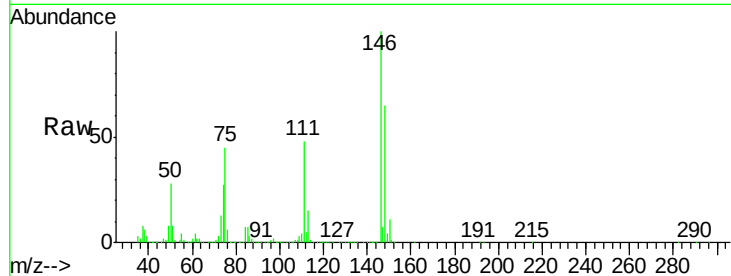
#77
 1,2-Dichlorobenzene
 Concen: 9.778 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2106444
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.5 76.5
 148 63.3 32.9 98.6

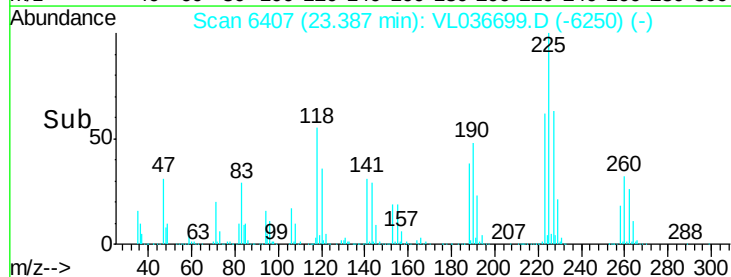
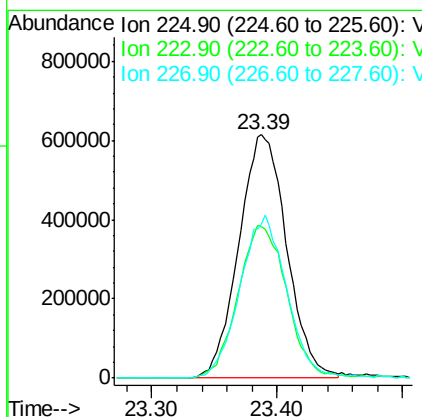
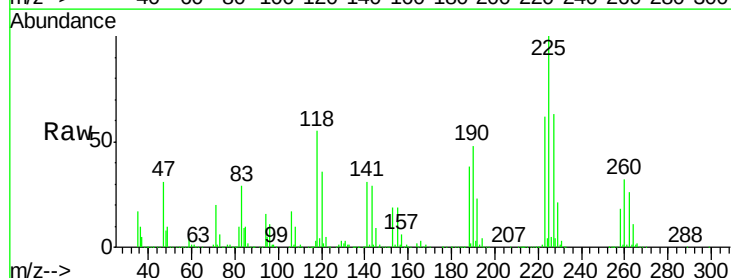
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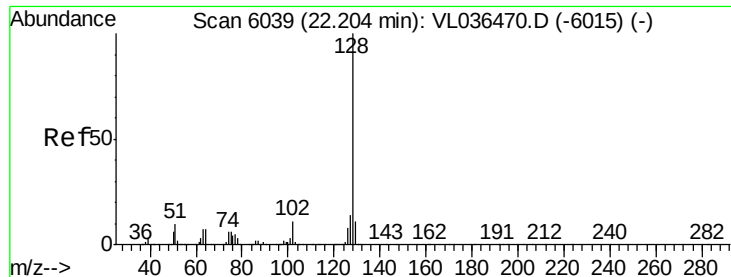
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.425 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.00 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Tgt Ion:225 Resp: 1625380
 Ion Ratio Lower Upper
 225 100
 223 64.7 50.6 75.8
 227 65.9 52.2 78.2





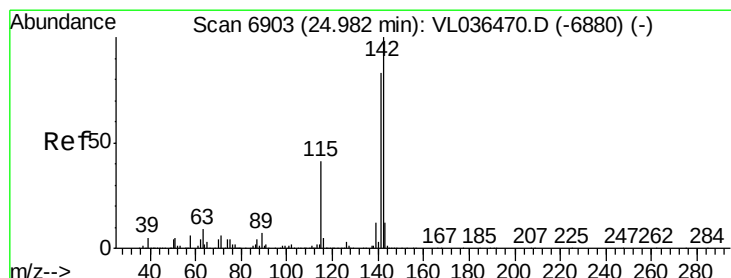
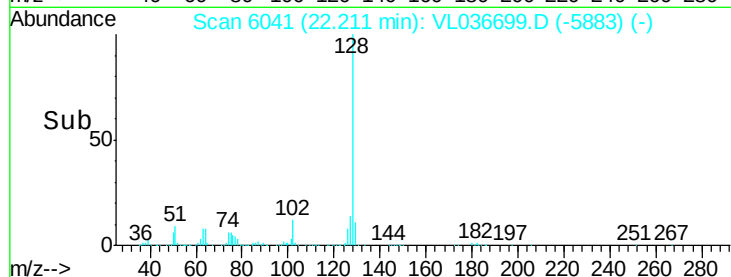
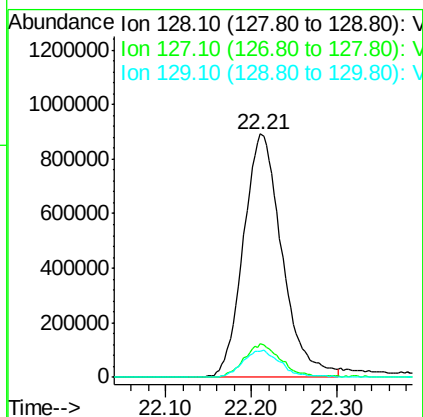
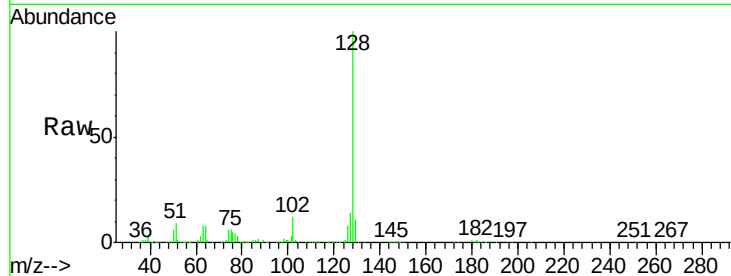
#79
Naphthalene
Concen: 11.734 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.01 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	10.6	9.0	13.4

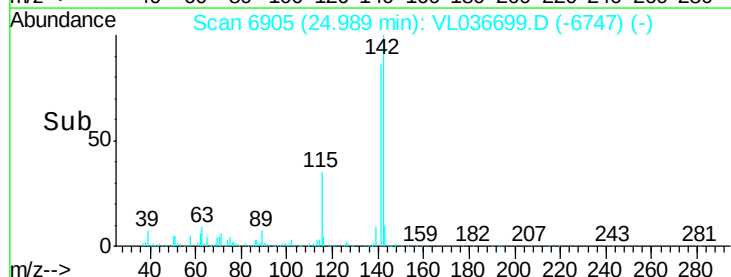
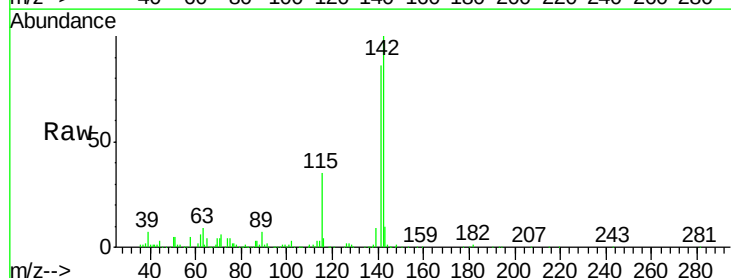
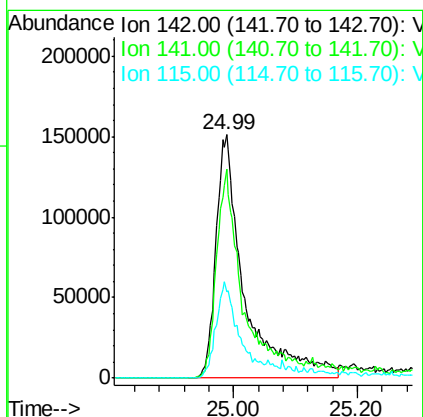
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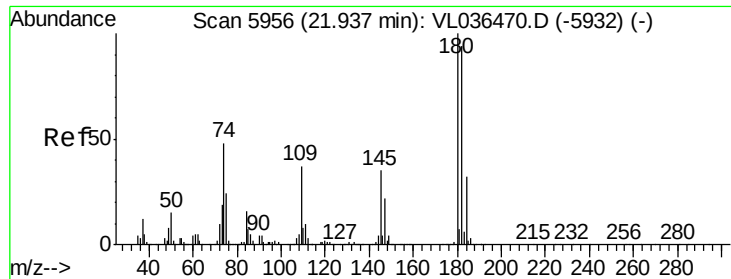
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#80
Naphthalene, 2-methyl-
Concen: 10.443 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL036699.D
Acq: 6 Apr 2021 11:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.8	101.8
115	37.7	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.773 ppbv m
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.01 min
 Lab File: VL036699.D
 Acq: 6 Apr 2021 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.8	121.2#
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

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