

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036726.D
 Acq On : 7 Apr 2021 13:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:10 AM

Quant Time: Apr 08 02:52:45 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	5.66	49	1390678	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3538807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3164527m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2605462	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2074166	9.144 ppbv	98
3) Chlorodifluoromethane	2.99	51	2486479	9.570 ppbv	100
4) Chloromethane	3.14	50	867551	9.453 ppbv	99
5) Vinyl Chloride	3.26	62	838625	8.887 ppbv	98
6) Bromomethane	3.47	94	463021	8.912 ppbv	97
7) Chloroethane	3.56	64	294861	9.093 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2025797	9.358 ppbv	97
9) Propene	3.01	41	809385	9.771 ppbv	99
10) Heptane	8.12	43	2088285	9.896 ppbv	99
11) Trichlorofluoromethane	3.95	101	2049525	8.866 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1358451	9.192 ppbv	100
13) Ethanol	3.61	45	96658m	9.799 ppbv	
14) Bromoethene	3.74	108	593483	9.659 ppbv	96
15) Acetone	3.85	43	1172735	8.568 ppbv	100
16) 1,3-Butadiene	3.33	39	877221	9.206 ppbv	97
17) tert-Butyl alcohol	4.29	59	1242842	10.431 ppbv	100
18) 1,1-Dichloroethene	4.29	96	586010	8.914 ppbv	99
19) Isopropyl Alcohol	3.97	45	721619	9.584 ppbv	99
20) Methylene Chloride	4.34	84	532728	8.313 ppbv	94
21) Allyl Chloride	4.41	41	1038462	9.517 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	587726	9.643 ppbv	92
23) Vinyl Acetate	5.07	43	2356161	10.063 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1551621	9.092 ppbv	99
25) Ethyl Acetate	5.68	43	3189880	9.803 ppbv	100
26) Hexane	5.69	57	1473741	9.759 ppbv	99
27) Carbon Disulfide	4.55	76	1444251	9.708 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1708942	9.596 ppbv	99
29) Chloroform	5.75	83	2355234	9.752 ppbv	99
30) Cyclohexane	7.13	84	1232340	10.062 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1457938	9.982 ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2378263	9.771 ppbv	99
34) 2-Butanone	5.24	43	1576615	9.127 ppbv	99
35) Carbon Tetrachloride	7.02	117	2480996	9.128 ppbv	99
36) Benzene	6.89	78	3105474	9.515 ppbv	100
37) 1,2-Dichloroethane	6.31	62	1796923	9.354 ppbv	100
38) Trichloroethene	7.83	130	1143570	9.003 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1217820	9.199 ppbv	98
40) 1,4-Dioxane	7.84	88	300983m	9.768 ppbv	
41) Tetrahydrofuran	6.05	42	732709	9.199 ppbv	94
42) Bromodichloromethane	7.79	83	2510980	9.610 ppbv	99
43) Methyl Methacrylate	8.01	69	1113268	10.158 ppbv	98

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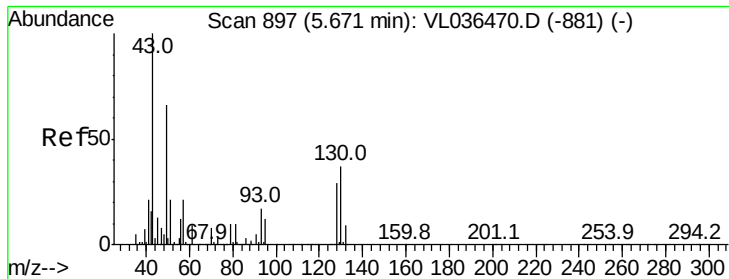
Manual Integrations
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MMDadoda
 4/12/2021 11:15:10 AM

Quant Time: Apr 08 02:52:45 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5232590	9.109	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1304952	10.428	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1642421	10.267	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1261910	9.410	ppbv	93
48) Dibromochloromethane	10.31	129	2065588	10.105	ppbv	99
49) Bromoform	13.05	173	1697985	10.309	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2439062	9.758	ppbv	99
51) 2-Hexanone	10.14	43	1288290	10.214	ppbv #	100
52) Tetrachloroethene	11.23	164	1058230	8.805	ppbv	98
53) Toluene	9.81	91	3485194	10.027	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1820388	9.613	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1417554	9.904	ppbv	97
57) Chlorobenzene	12.15	112	2595579	9.640	ppbv	98
58) Ethyl Benzene	12.72	91	4683179	10.172	ppbv	99
59) m/p-Xylene	13.01	91	7948454m	19.794	ppbv	
60) o-Xylene	13.70	91	3760175	9.684	ppbv	100
61) Styrene	13.54	104	2209408	11.311	ppbv	99
62) Isopropylbenzene	14.67	105	5093879	9.742	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2738386	9.245	ppbv	99
64) n-propylbenzene	15.57	120	1341117	10.491	ppbv	98
65) tert-Butylbenzene	16.75	119	4422133	9.753	ppbv	100
66) Benzyl Chloride	17.00	91	529449	10.565	ppbv	98
67) sec-Butylbenzene	17.30	105	6227597	9.731	ppbv	100
69) p-Isopropyltoluene	17.66	119	5176103	10.357	ppbv	99
70) n-Butylbenzene	18.56	91	5320007	10.266	ppbv	100
71) 2-Chlorotoluene	15.46	91	3957230	10.100	ppbv	100
72) 4-Ethyltoluene	15.84	105	4445981	10.450	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4059626	10.223	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4167343	9.807	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2415252	10.098	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2327135	9.799	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2347782	10.442	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1715075	8.517	ppbv	99
79) Naphthalene	22.21	128	2780409	11.213	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	557297	11.397	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	1624222	10.609	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1390678

Ion Ratio Lower Upper

49 100

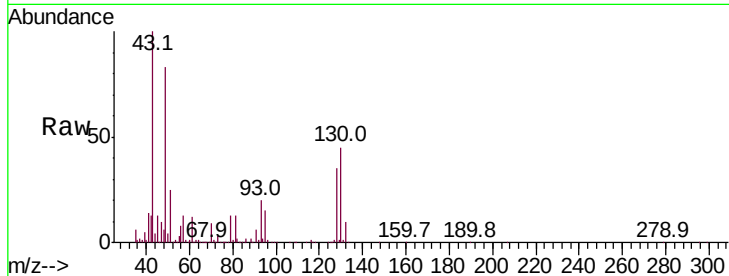
128 48.5 23.5 70.6

130 59.6 29.1 87.4

Manual Integrations
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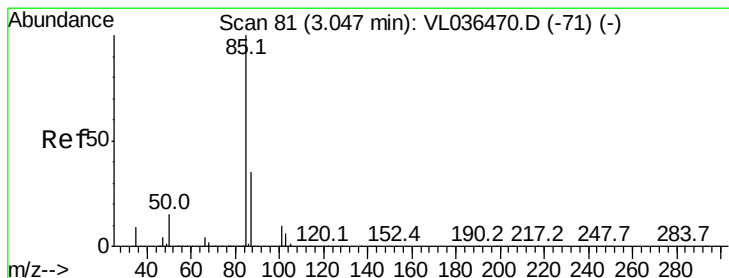
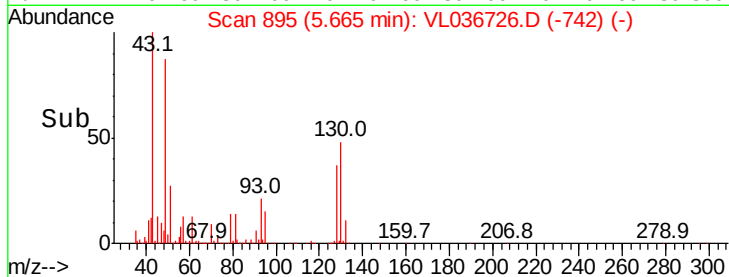
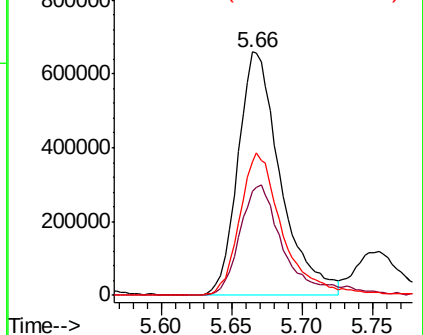
4/12/2021 11:15:10 AM



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: 9.144 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036726.D

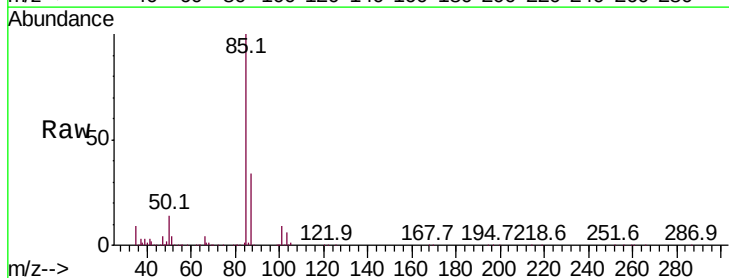
Acq: 7 Apr 2021 13:20

Tgt Ion: 85 Resp: 2074166

Ion Ratio Lower Upper

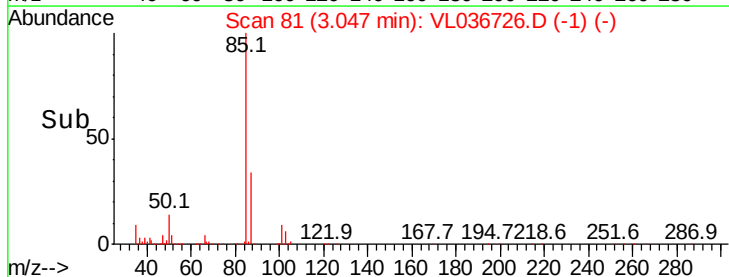
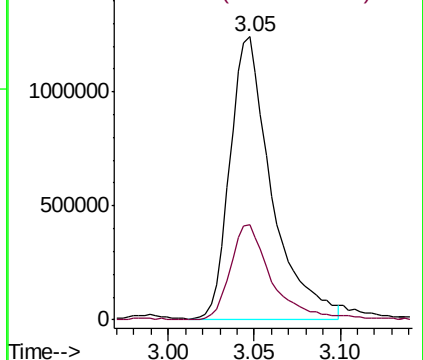
85 100

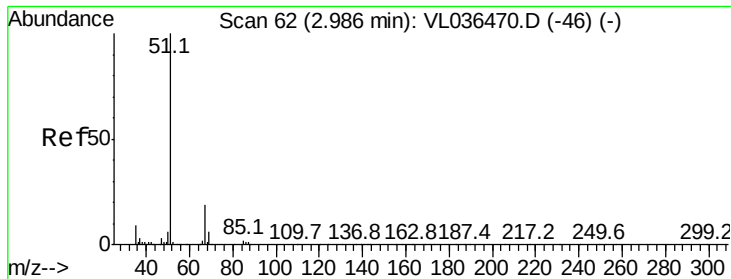
87 33.6 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

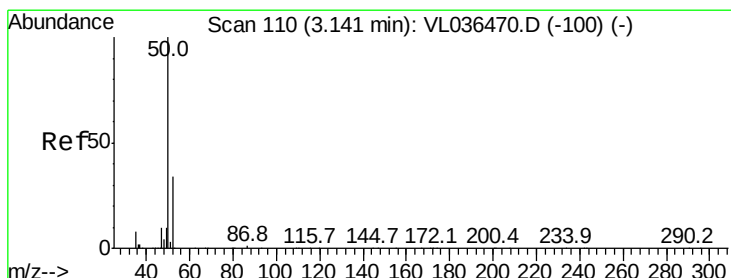
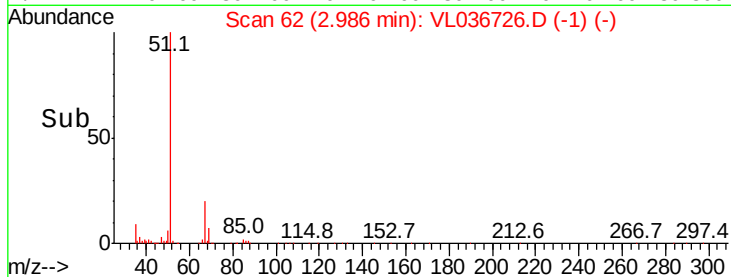
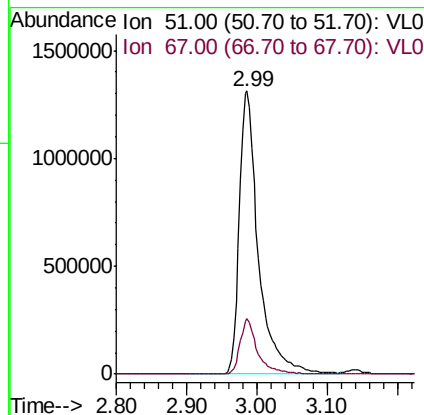
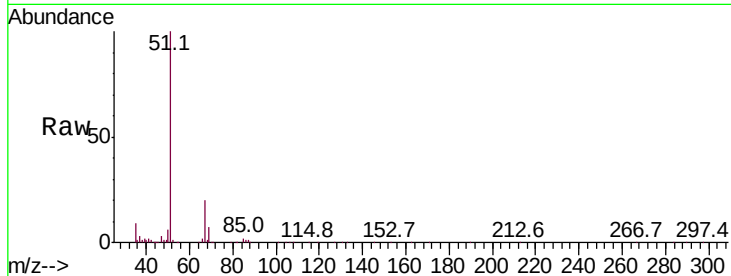
Chlorodifluoromethane
Concen: 9.570 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
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ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 2486479
Ion Ratio Lower Upper
51 100
67 18.3 14.7 22.1

Manual Integrations
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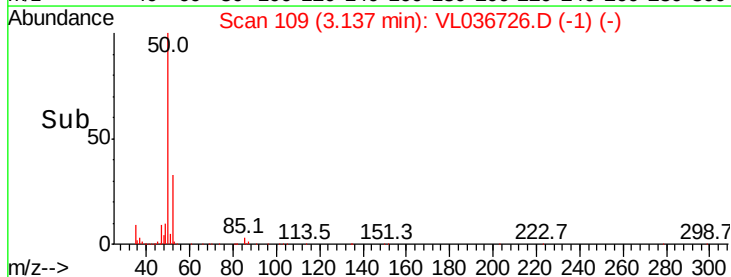
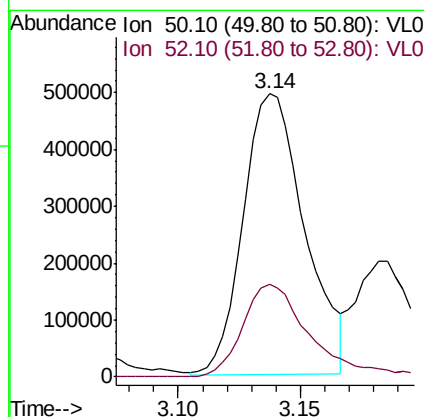
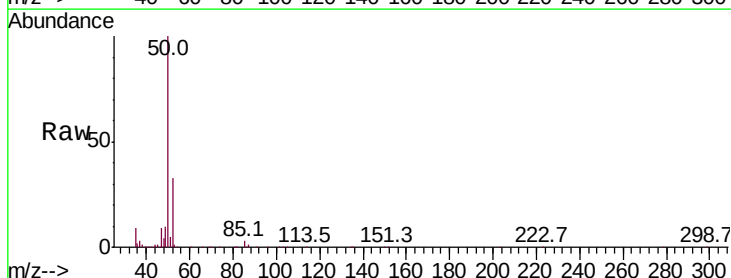
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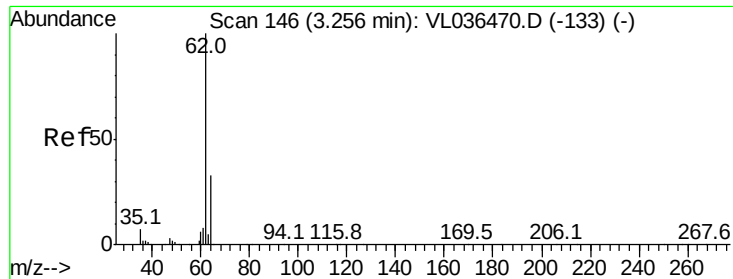


#4

Chloromethane
Concen: 9.453 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion: 50 Resp: 867551
Ion Ratio Lower Upper
50 100
52 33.1 27.0 40.6





#5

Vinyl Chloride

Concen: 8.887 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 838625

Ion Ratio Lower Upper

62 100

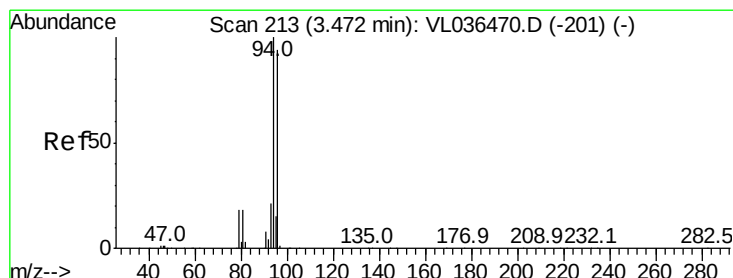
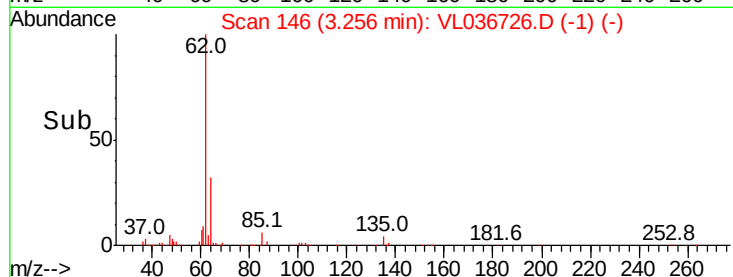
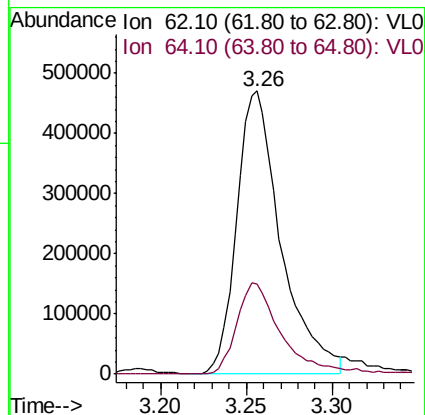
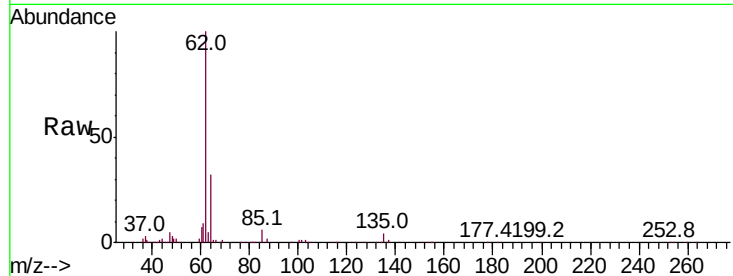
64 31.9 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 8.912 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036726.D

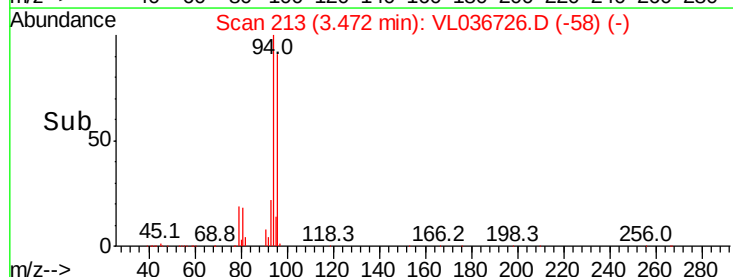
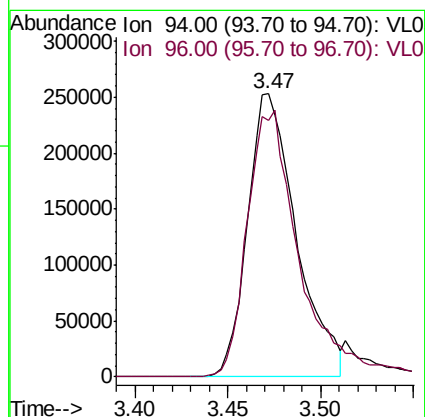
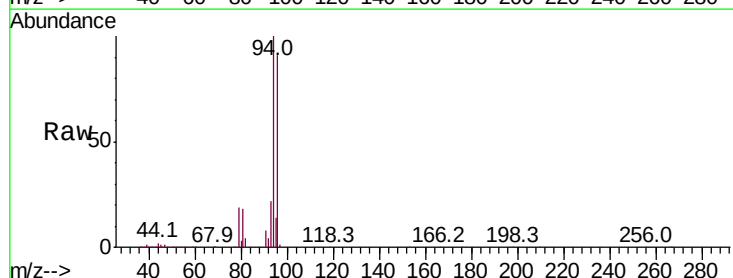
Acq: 7 Apr 2021 13:20

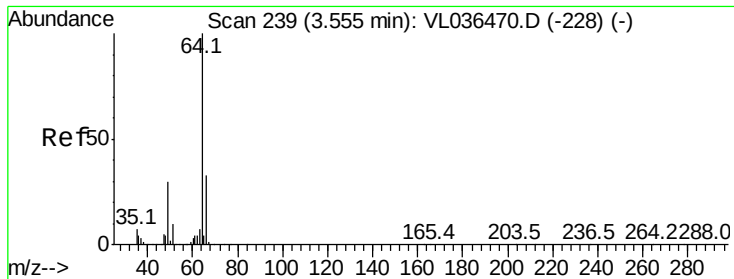
Tgt Ion: 94 Resp: 463021

Ion Ratio Lower Upper

94 100

96 90.8 74.9 112.3





#7

Chloroethane

Concen: 9.093 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 294861

Ion Ratio Lower Upper

64 100

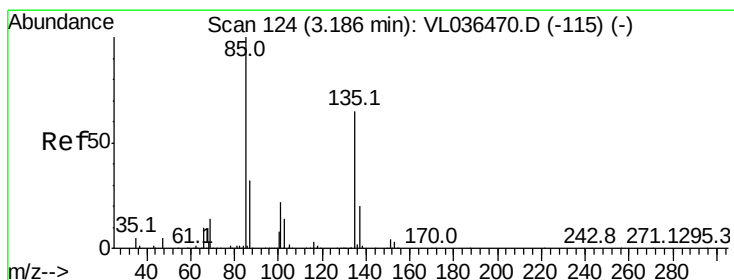
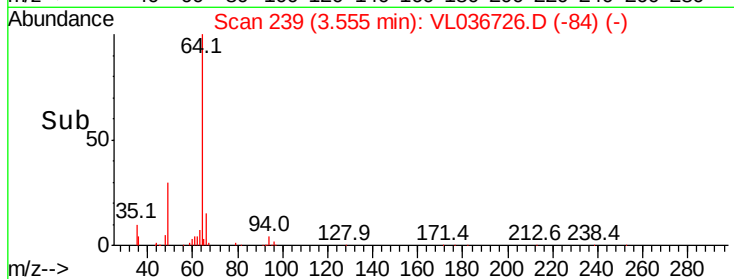
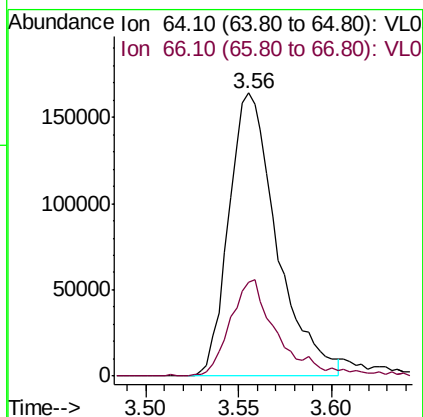
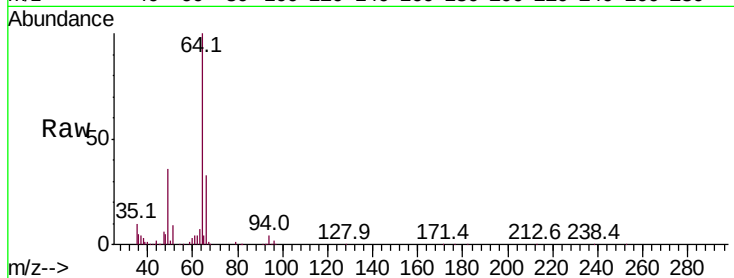
66 33.2 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.358 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL036726.D

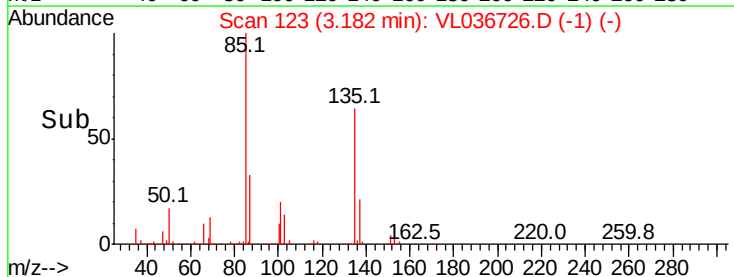
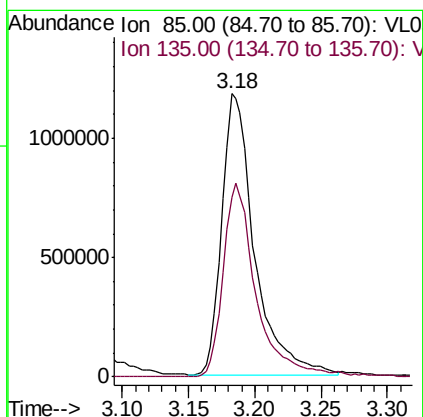
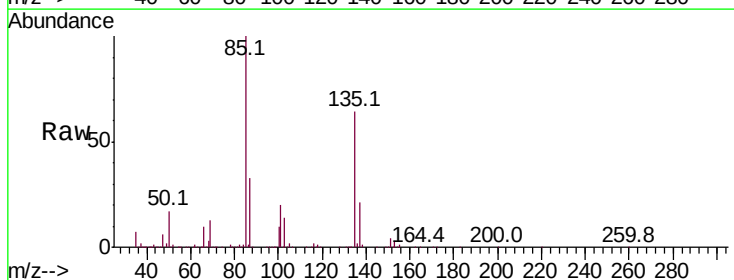
Acq: 7 Apr 2021 13:20

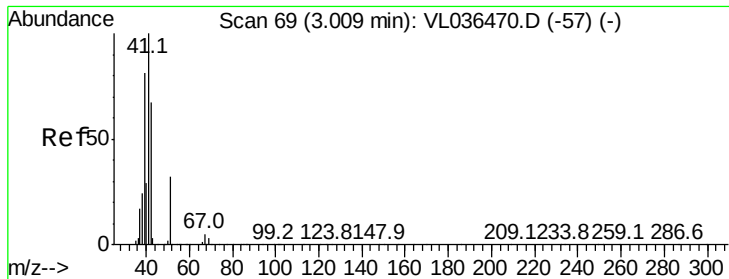
Tgt Ion: 85 Resp: 2025797

Ion Ratio Lower Upper

85 100

135 70.1 54.3 81.5





#9

Propene

Concen: 9.771 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 809385

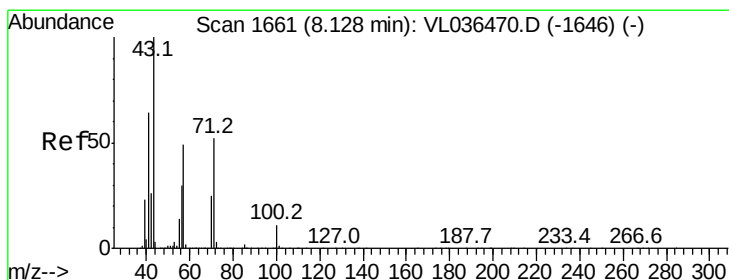
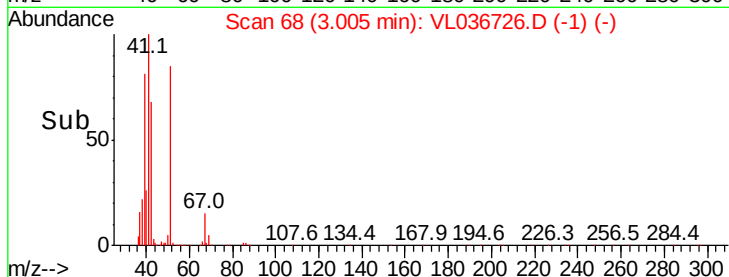
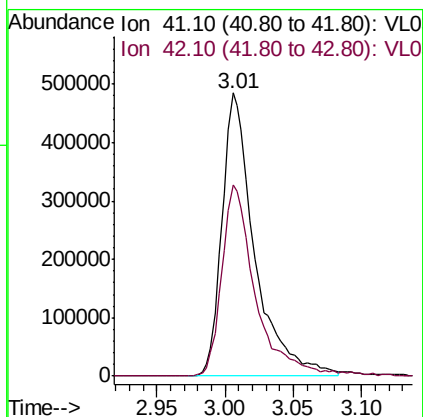
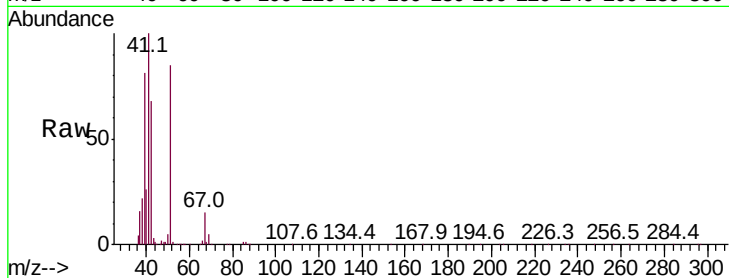
Ion Ratio Lower Upper

41 100

42 70.3 57.0 85.4

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#10

Heptane

Concen: 9.896 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036726.D

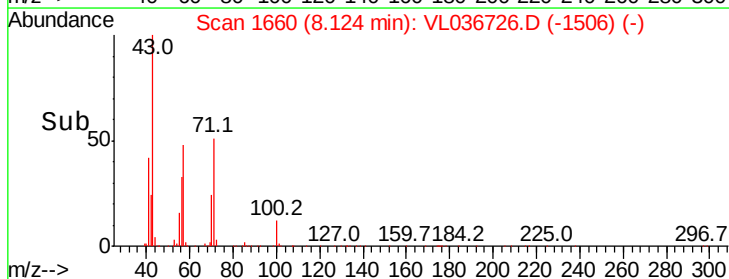
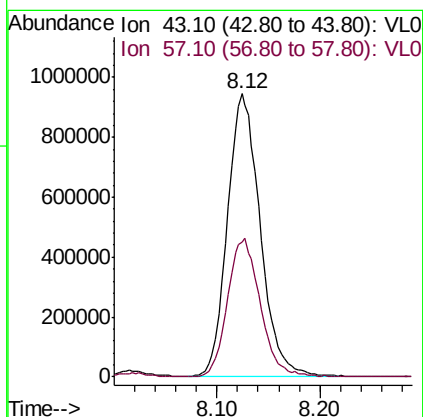
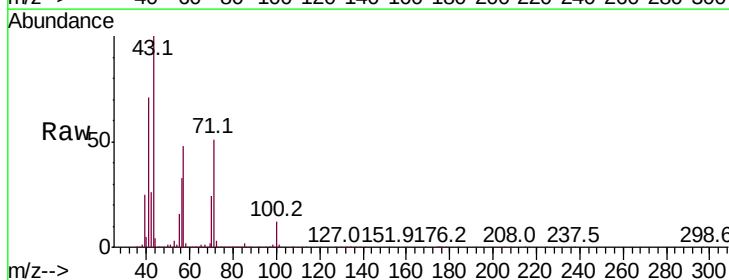
Acq: 7 Apr 2021 13:20

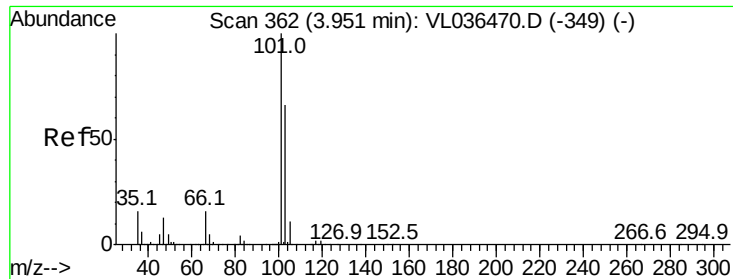
Tgt Ion: 43 Resp: 2088285

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6





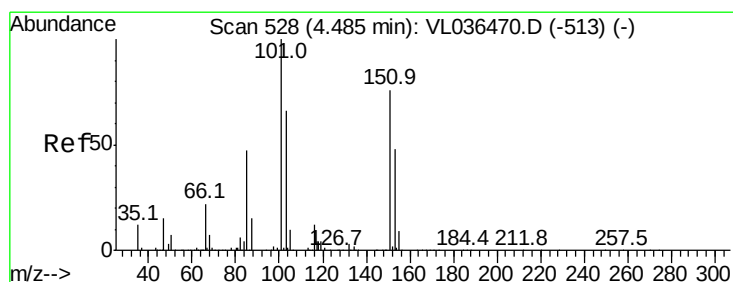
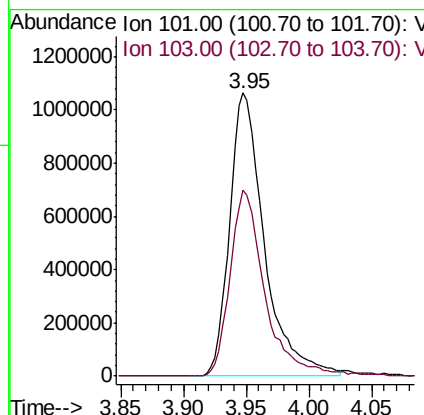
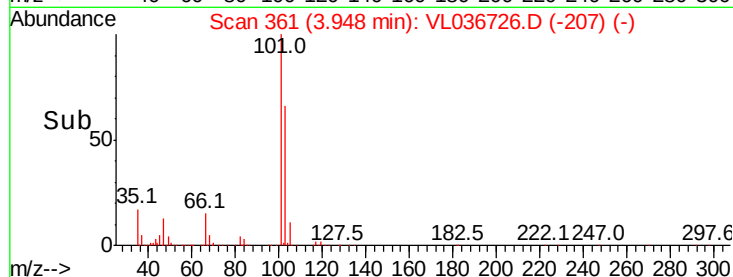
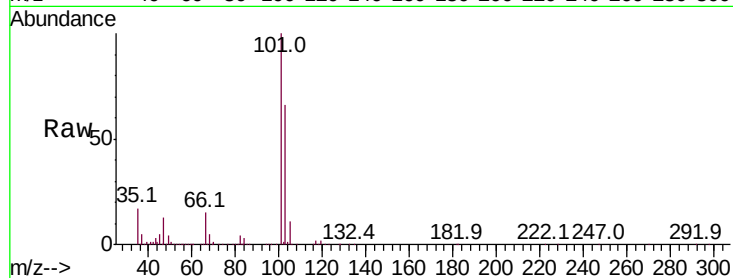
#11
 Trichlorofluoromethane
 Concen: 8.866 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2049525
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.5 78.7

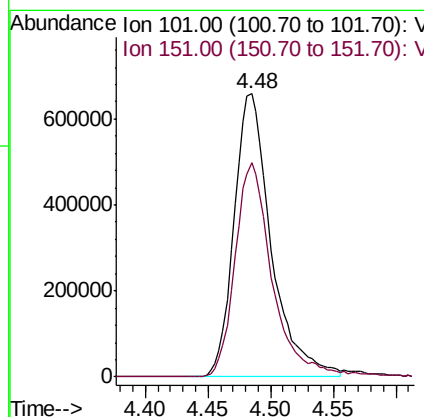
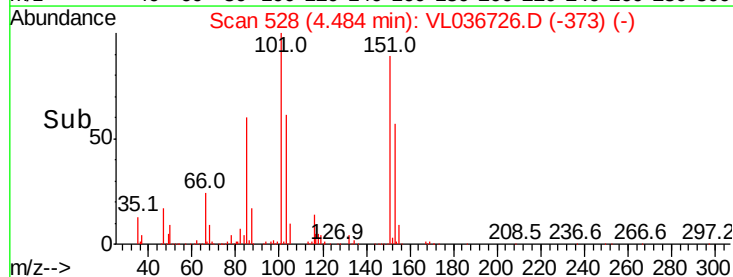
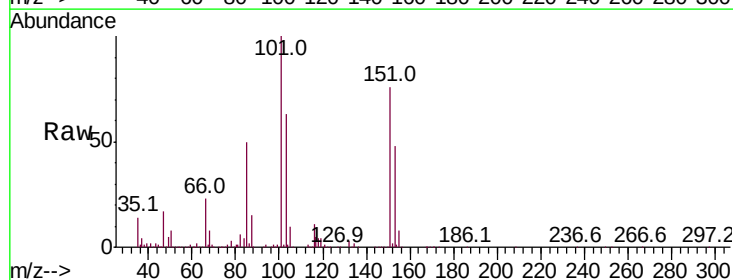
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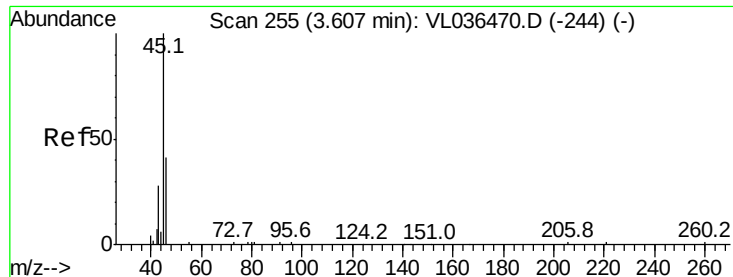
MMDadoda
 4/12/2021 11:15:10 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.192 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Tgt Ion:101 Resp: 1358451
 Ion Ratio Lower Upper
 101 100
 151 76.4 60.9 91.3





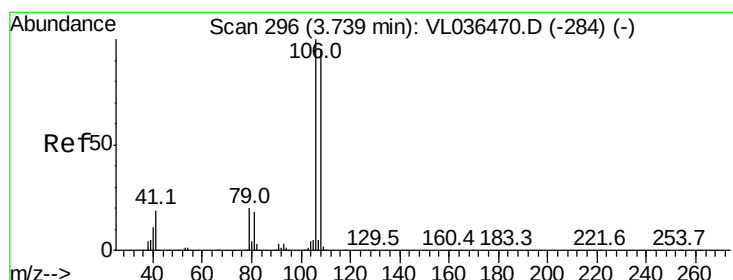
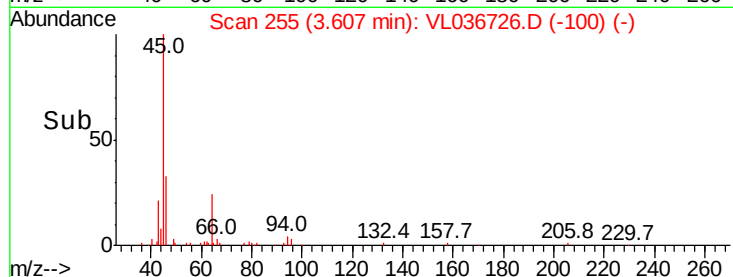
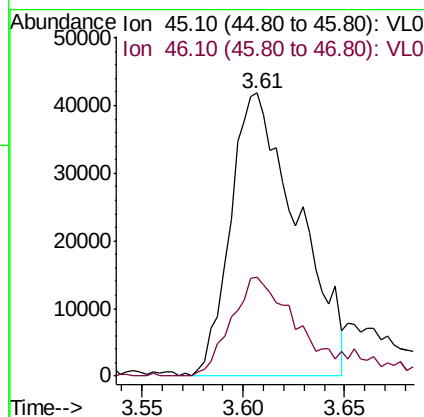
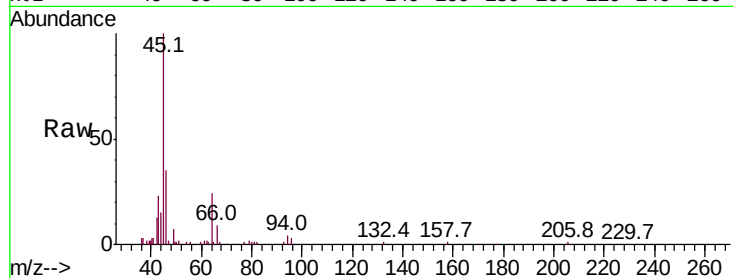
#13
Ethanol
Concen: 9.799 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 96658
Ion Ratio Lower Upper
45 100
46 38.9 16.6 66.2

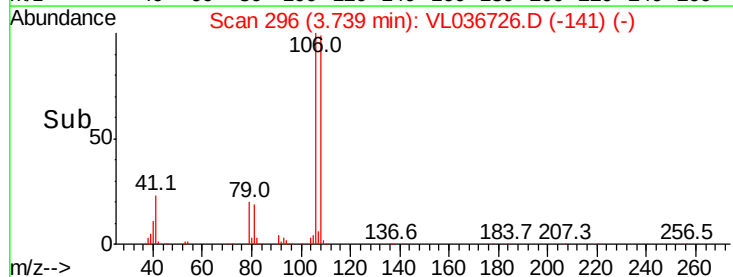
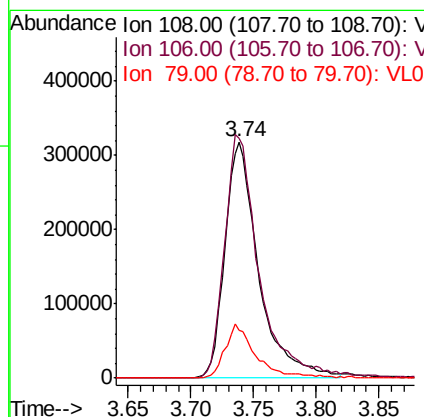
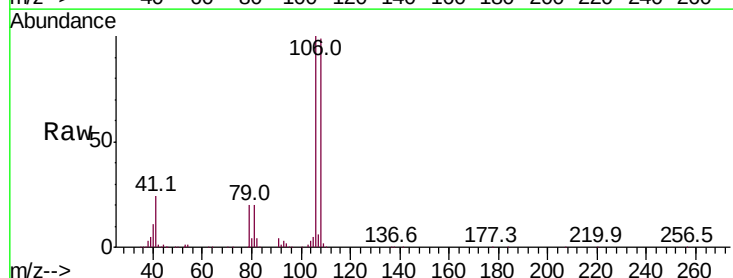
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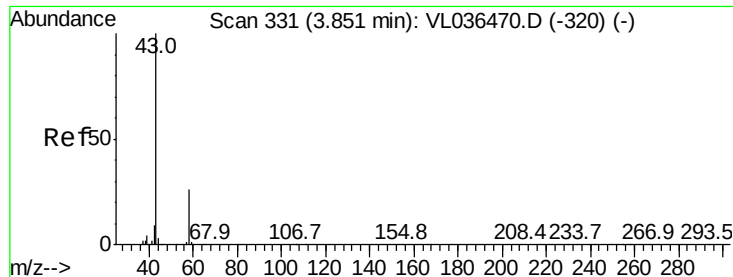
MMDadoda
4/12/2021 11:15:10 AM



#14
Bromoethene
Concen: 9.659 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion: 108 Resp: 593483
Ion Ratio Lower Upper
108 100
106 106.8 89.0 133.6
79 21.3 16.6 25.0





#15

Acetone

Concen: 8.568 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1172735

Ion Ratio Lower Upper

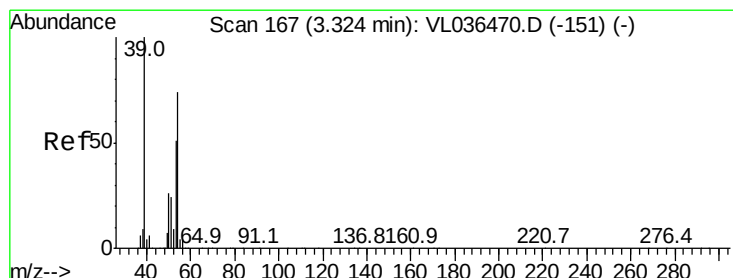
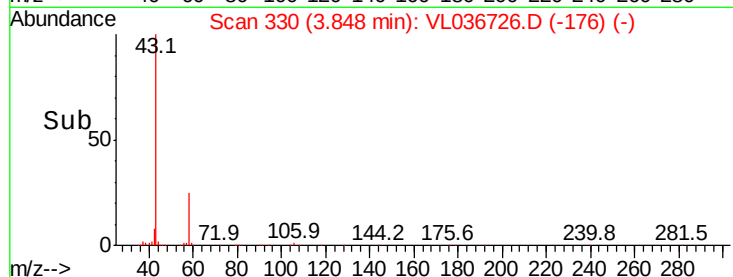
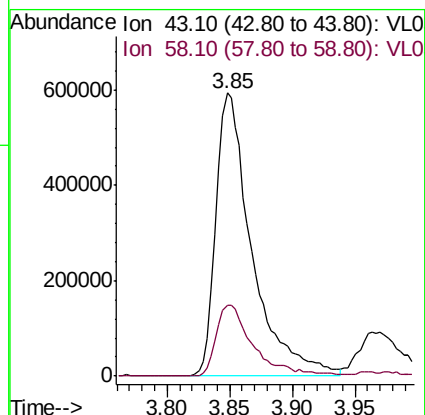
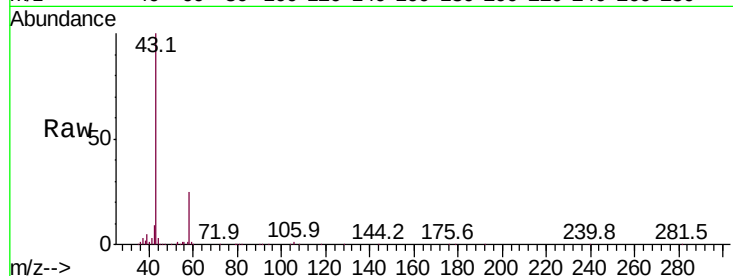
43 100

58 26.3 21.2 31.8

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#16

1,3-Butadiene

Concen: 9.206 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036726.D

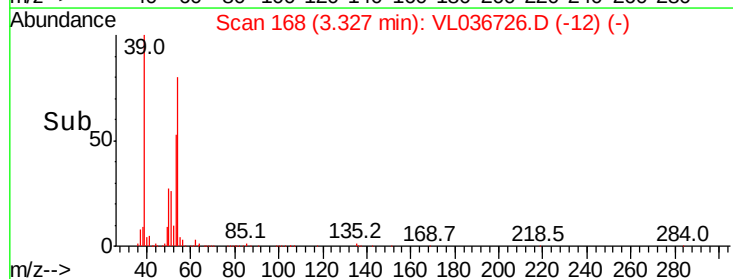
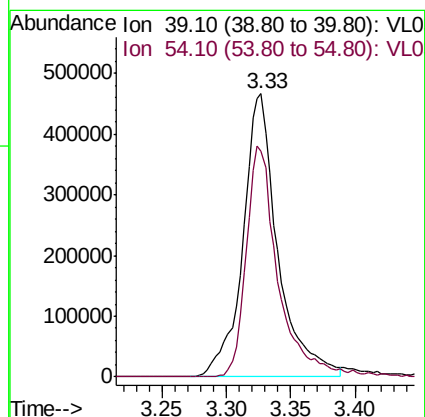
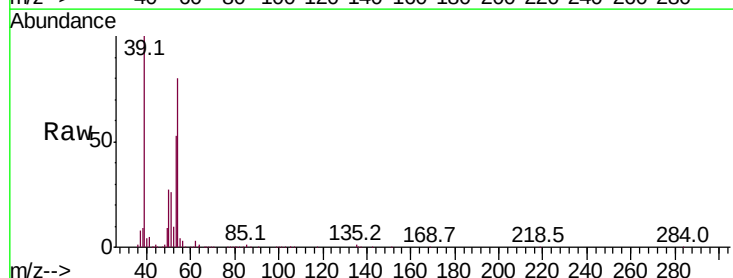
Acq: 7 Apr 2021 13:20

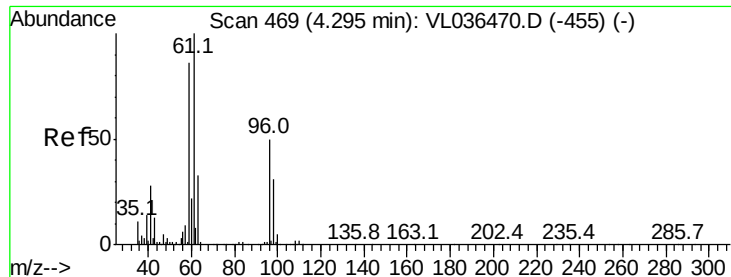
Tgt Ion: 39 Resp: 877221

Ion Ratio Lower Upper

39 100

54 75.8 58.8 88.2





#17

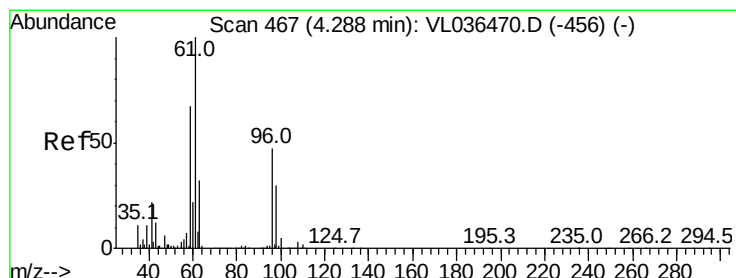
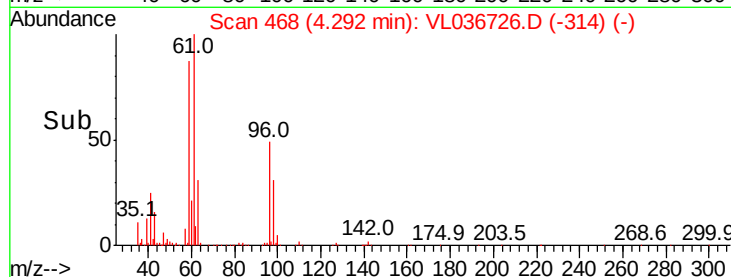
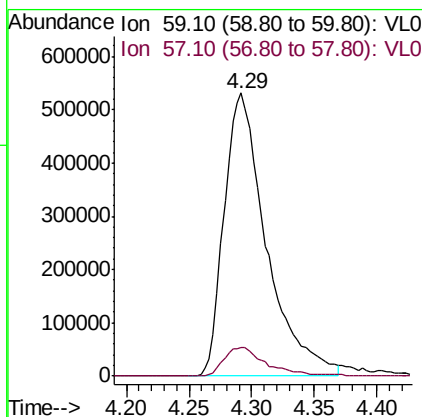
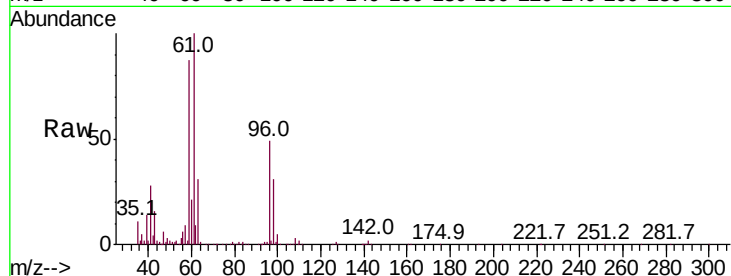
tert-Butyl alcohol
Concen: 10.431 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1242842
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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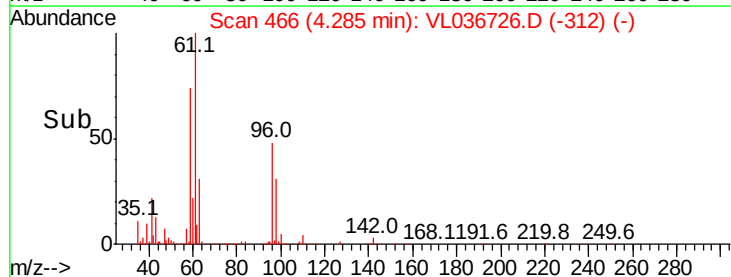
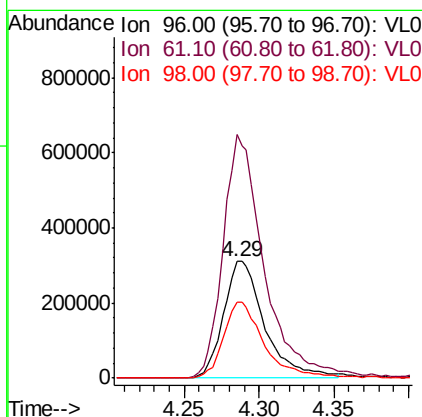
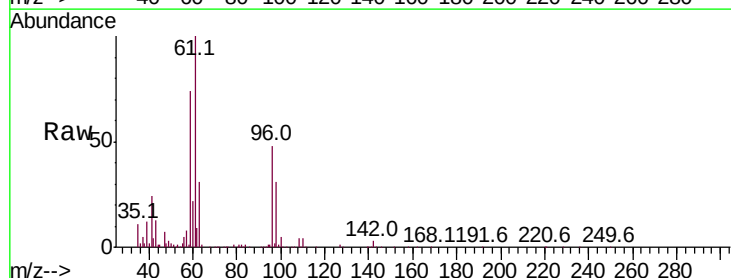
MMDadoda
4/12/2021 11:15:10 AM

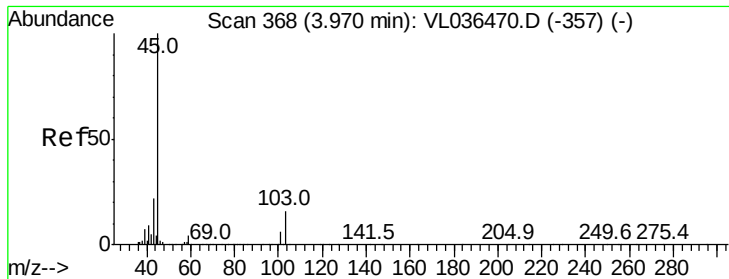


#18

1,1-Dichloroethene
Concen: 8.914 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion: 96 Resp: 586010
Ion Ratio Lower Upper
96 100
61 208.9 168.6 253.0
98 64.6 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.584 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 721619

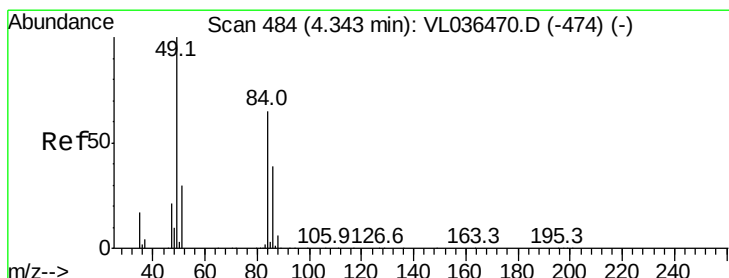
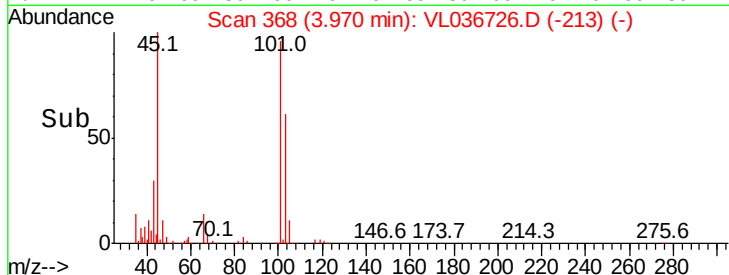
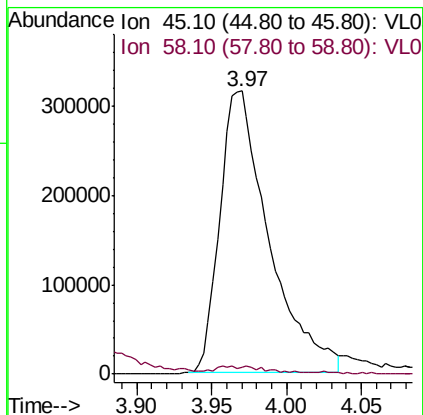
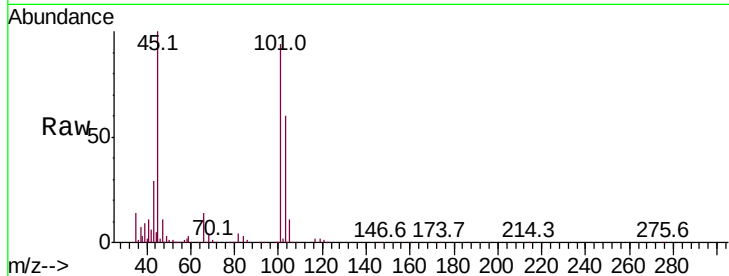
Ion Ratio Lower Upper

45 100

58 3.4 2.9 4.3

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#20

Methylene Chloride

Concen: 8.313 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion: 84 Resp: 532728

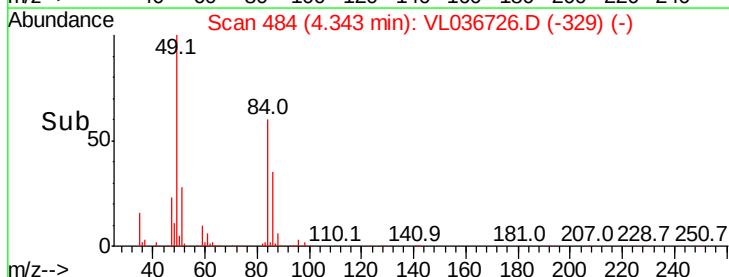
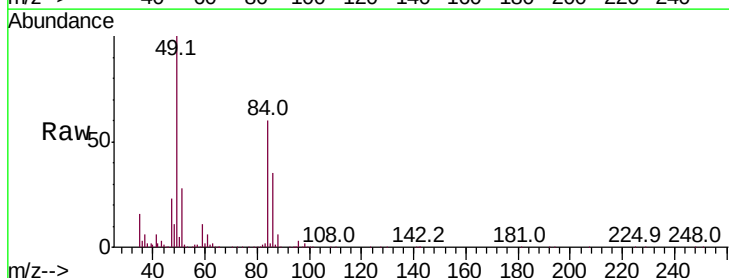
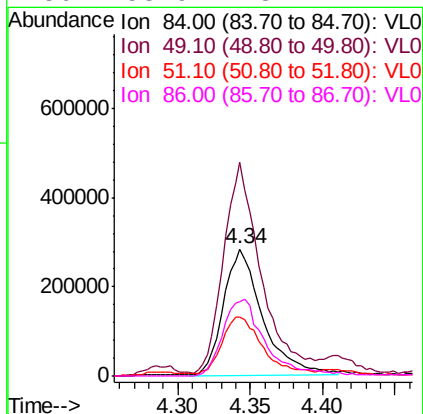
Ion Ratio Lower Upper

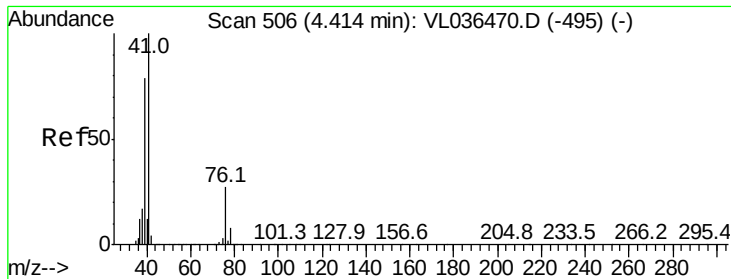
84 100

49 166.1 122.9 184.3

51 44.9 36.9 55.3

86 58.9 48.2 72.4





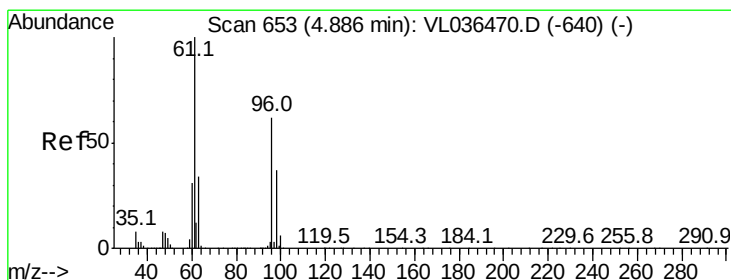
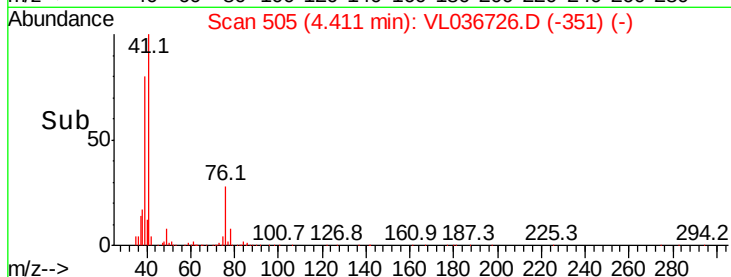
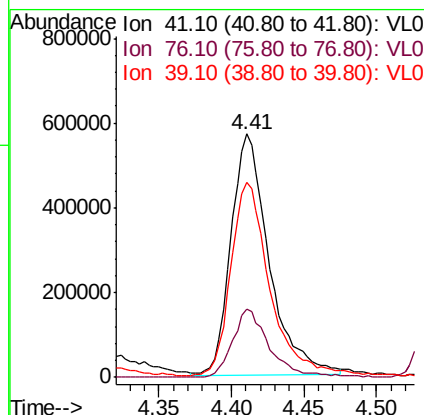
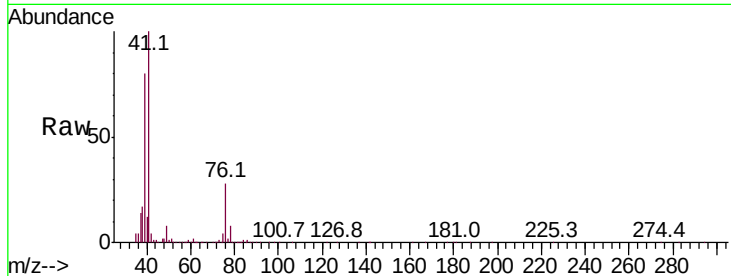
#21
Allvl Chloride
Concen: 9.517 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.7	22.9	34.3
39	85.7	67.3	100.9

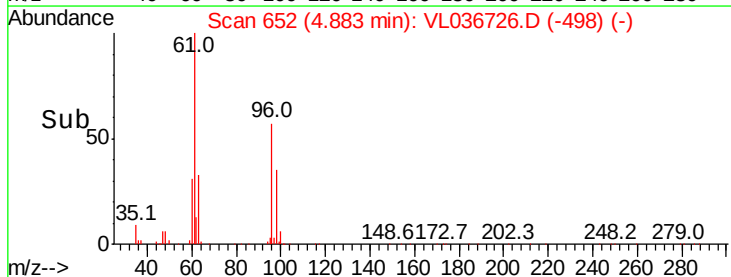
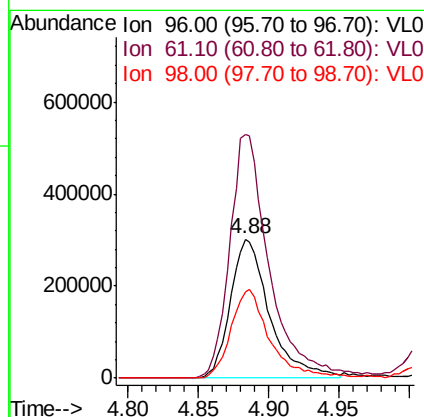
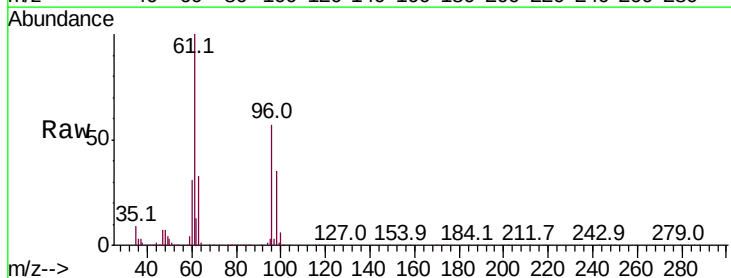
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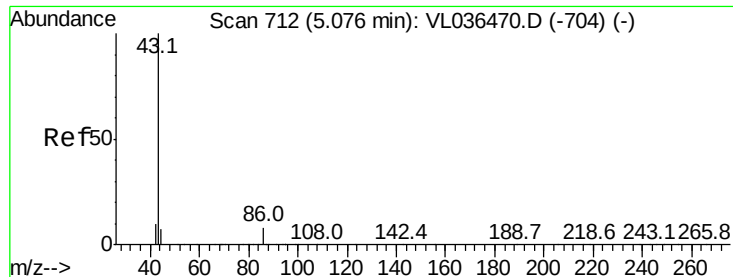
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#22
trans-1,2-Dichloroethene
Concen: 9.643 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.1	129.4	194.0
98	62.0	48.2	72.4





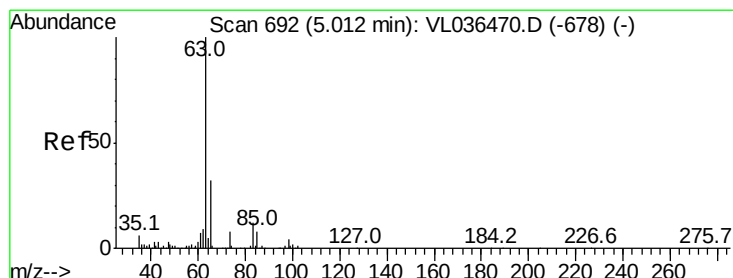
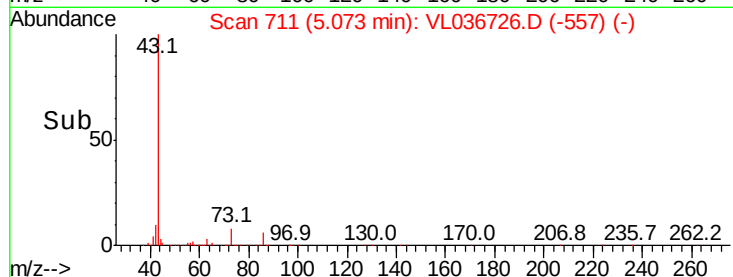
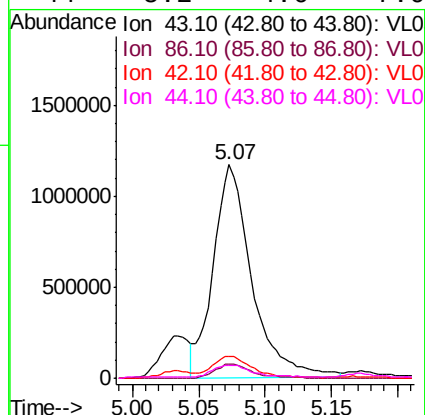
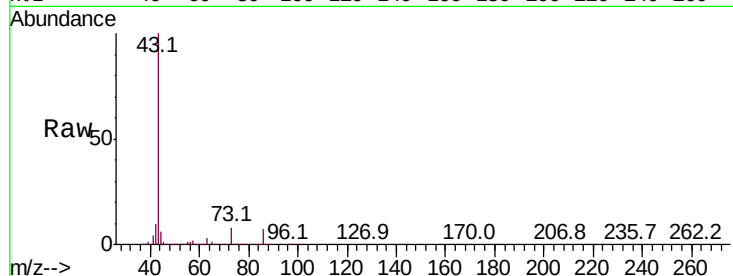
#23
 Vinyl Acetate
 Concen: 10.063 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	43	Resp	2356161
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.4	8.0
42	10.1	8.5	12.7
44	5.2	4.6	7.0

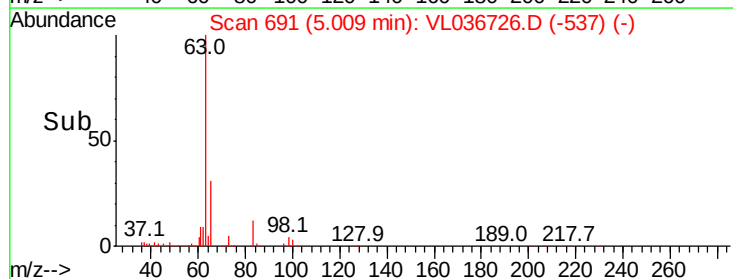
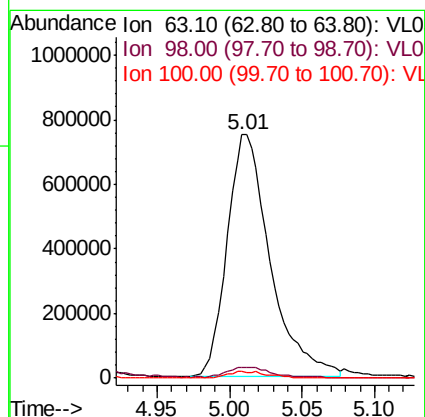
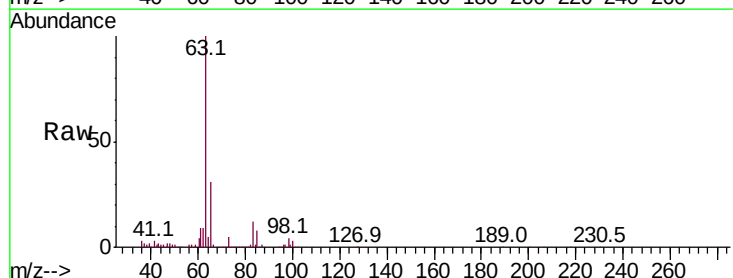
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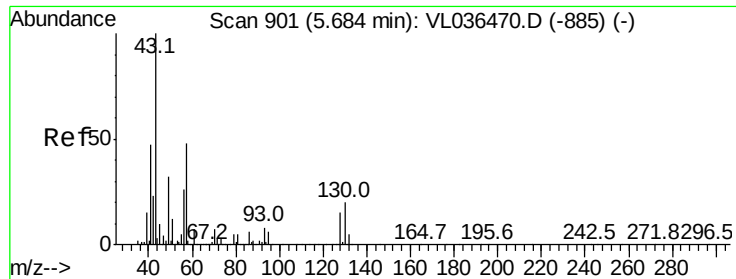
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.092 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Tgt Ion	63	Resp	1551621
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.6	0.9	2.8





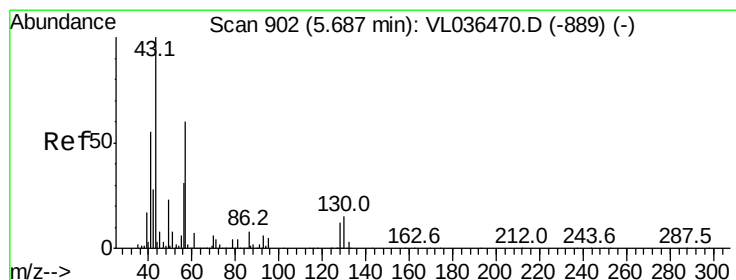
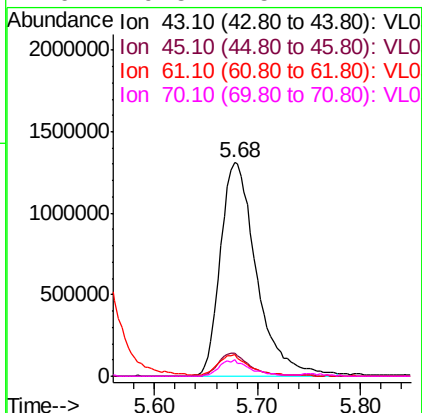
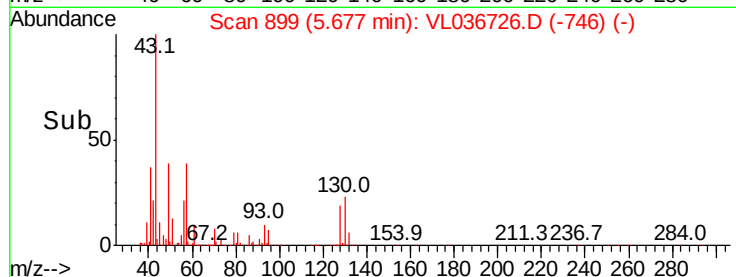
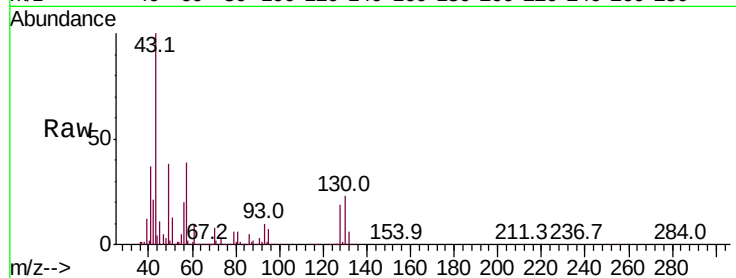
#25
Ethyl Acetate
Concen: 9.803 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.1	7.4	11.2
70	6.5	5.1	7.7

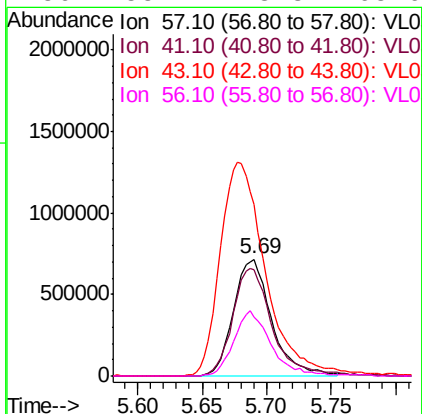
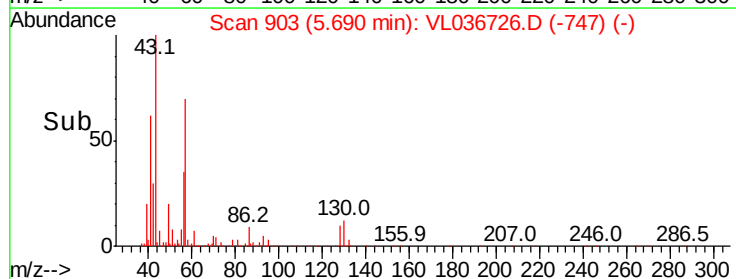
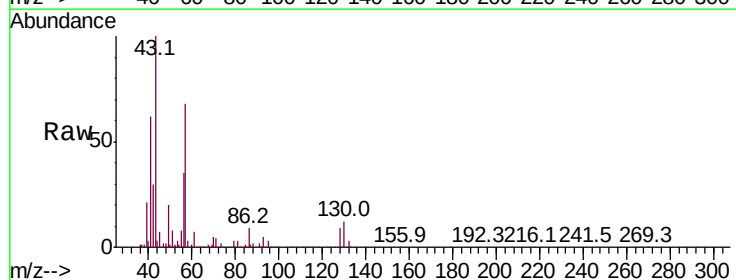
Manual Integrations
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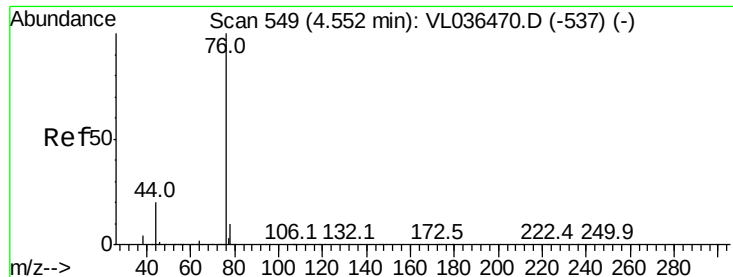
MMDadoda
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#26
Hexane
Concen: 9.759 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.2	77.2	115.8
43	219.2	173.8	260.6
56	55.1	43.8	65.6





#27

Carbon Disulfide

Concen: 9.708 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1444251

Ion Ratio Lower Upper

76 100

44 22.1 17.5 26.3

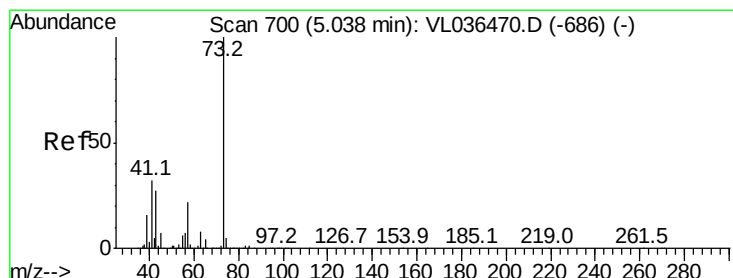
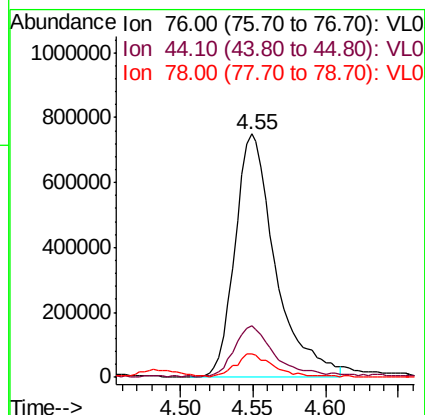
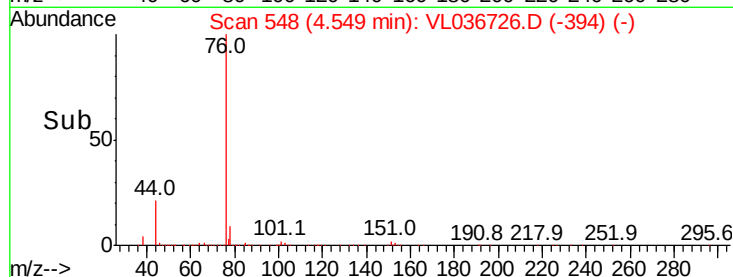
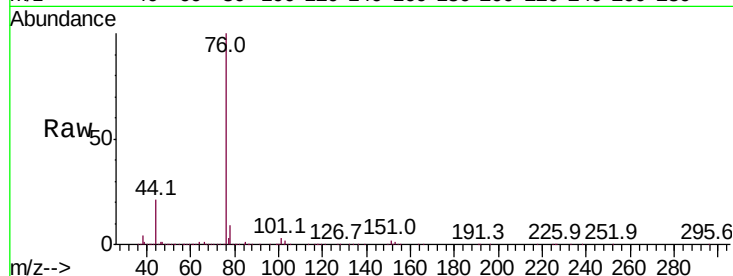
78 9.7 8.6 13.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.596 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL036726.D

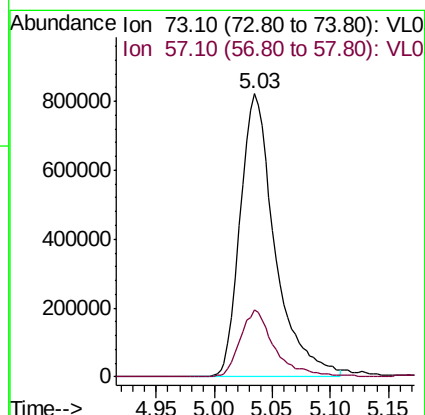
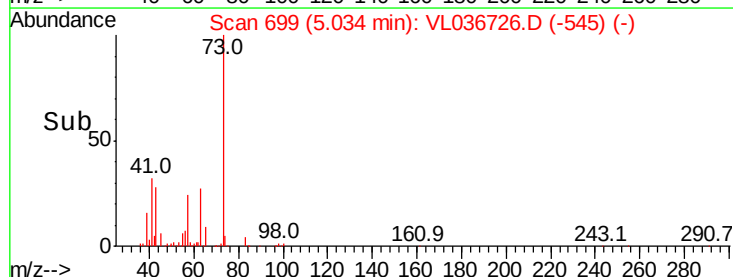
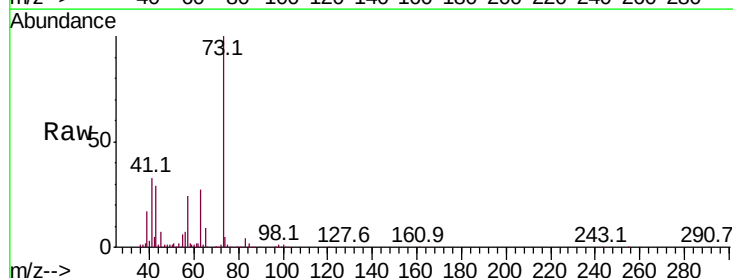
Acq: 7 Apr 2021 13:20

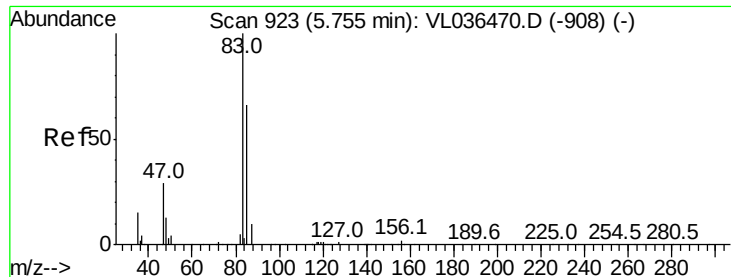
Tgt Ion: 73 Resp: 1708942

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7





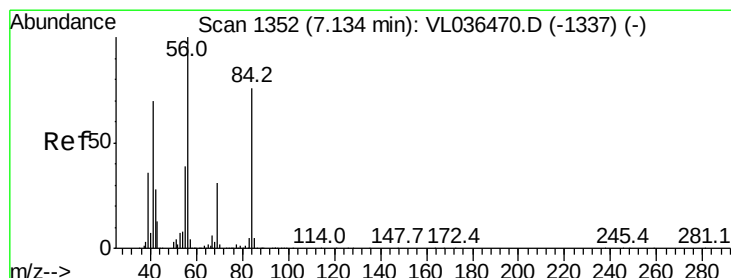
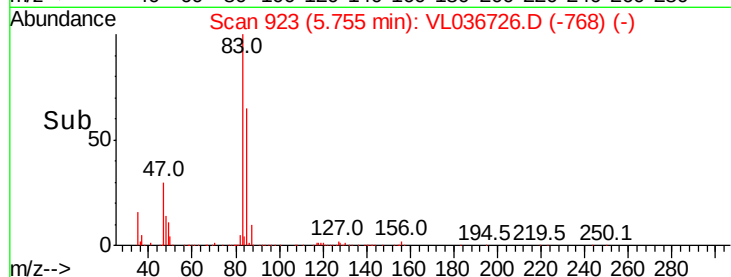
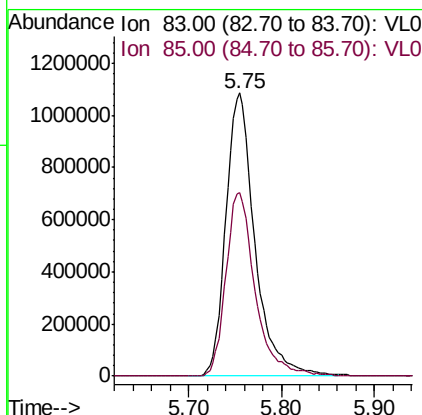
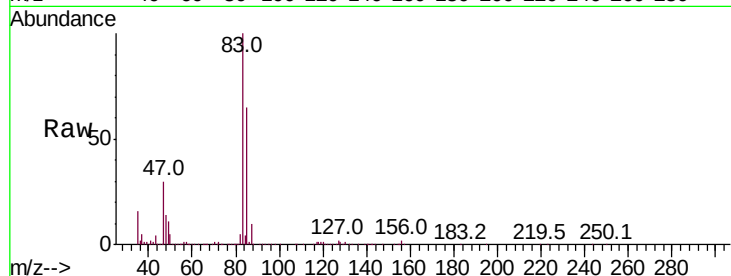
#29
Chloroform
Concen: 9.752 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2355234
Ion Ratio Lower Upper
83 100
85 64.7 52.6 78.8

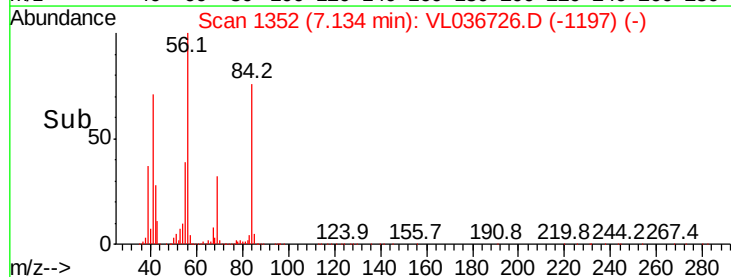
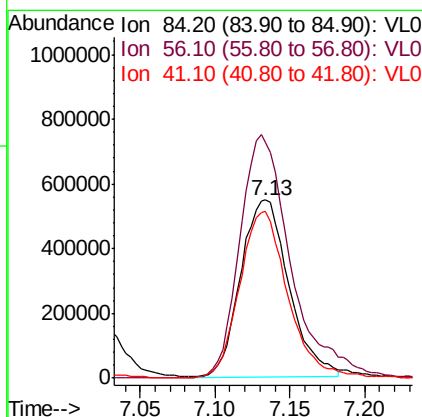
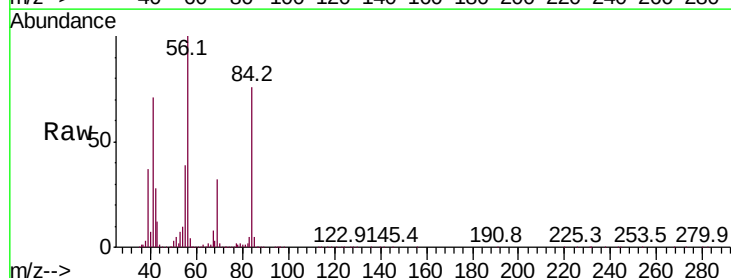
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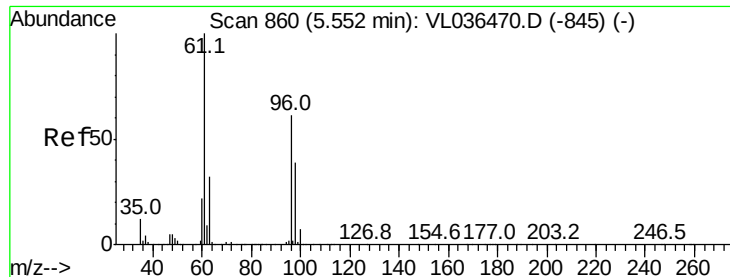
MMDadoda
4/12/2021 11:15:10 AM



#30
Cyclohexane
Concen: 10.062 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion: 84 Resp: 1232340
Ion Ratio Lower Upper
84 100
56 146.8 114.6 171.8
41 94.8 75.3 112.9





#31

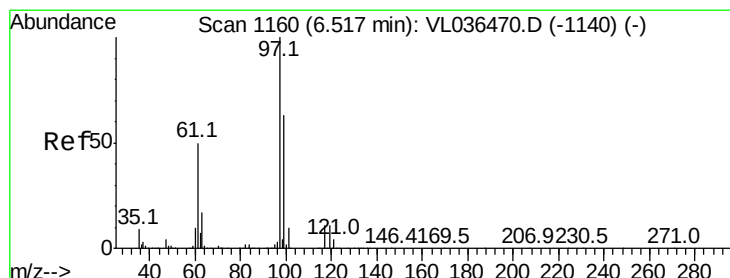
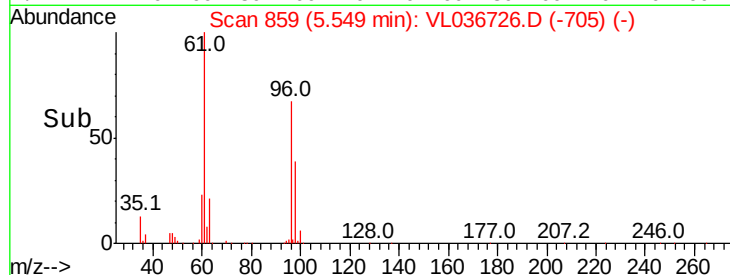
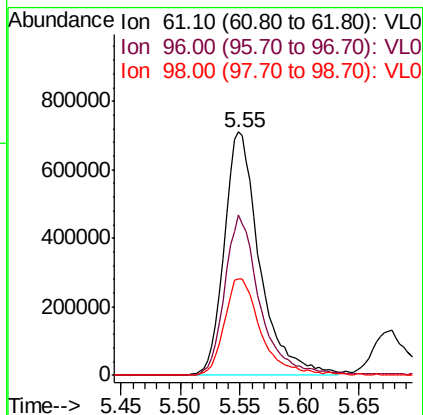
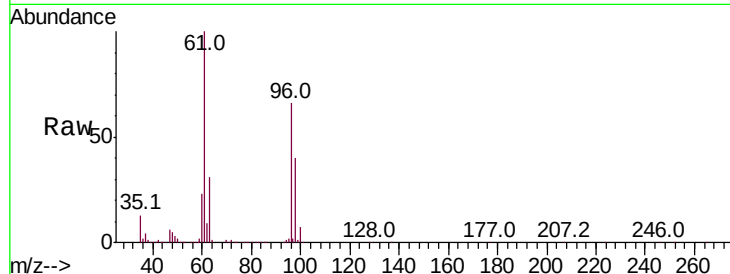
cis-1,2-Dichloroethene
Concen: 9.982 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.8	48.7	73.1
98	39.7	31.4	47.0

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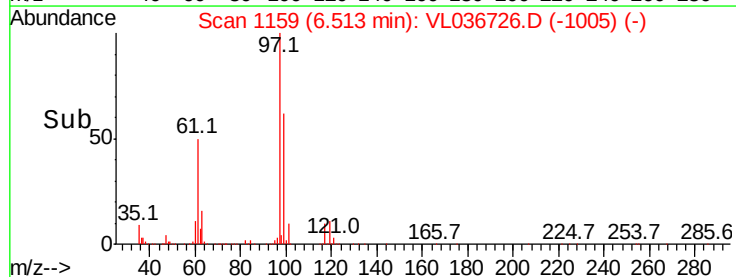
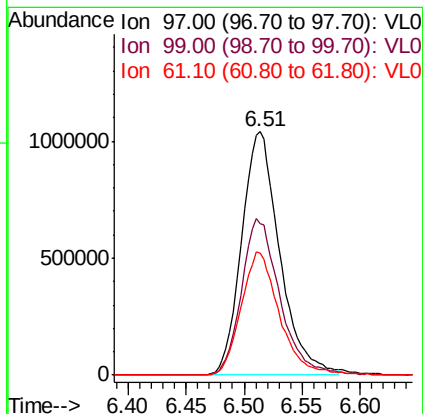
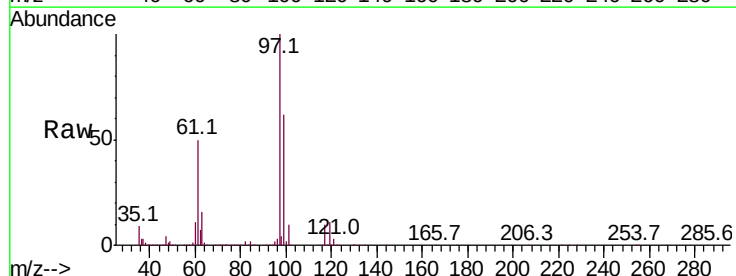
MMDadoda
4/12/2021 11:15:10 AM

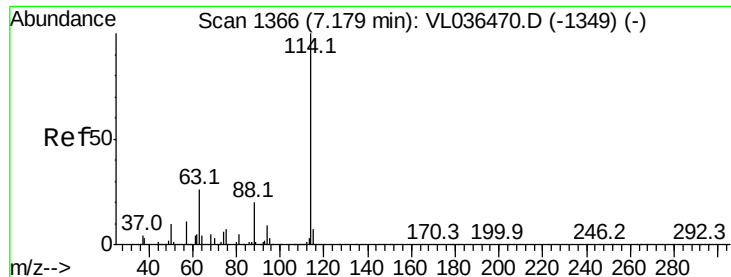


#32

1,1,1-Trichloroethane
Concen: 9.771 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	51.0	40.6	60.8





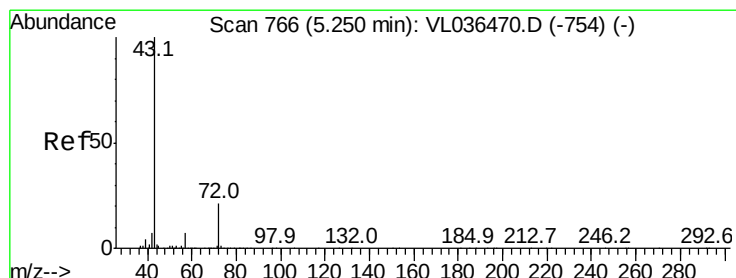
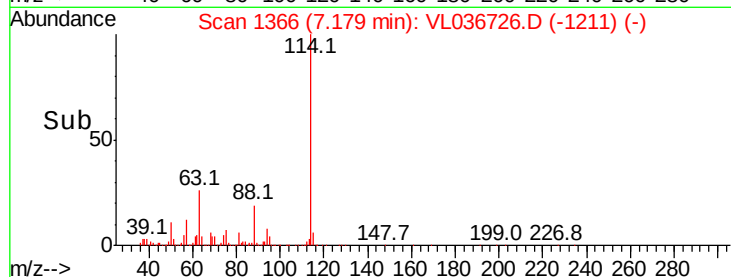
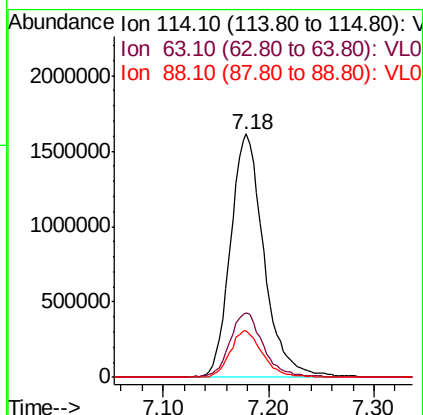
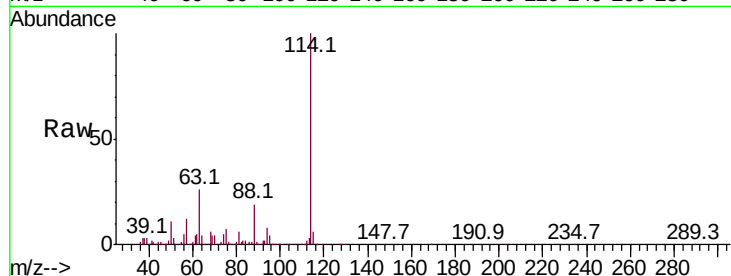
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3538807
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 18.8 15.4 23.0

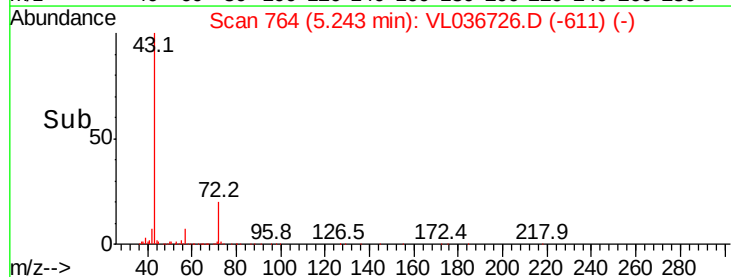
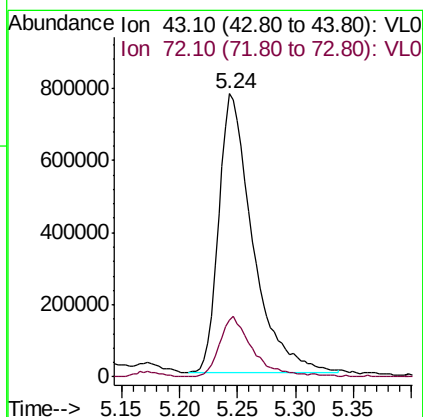
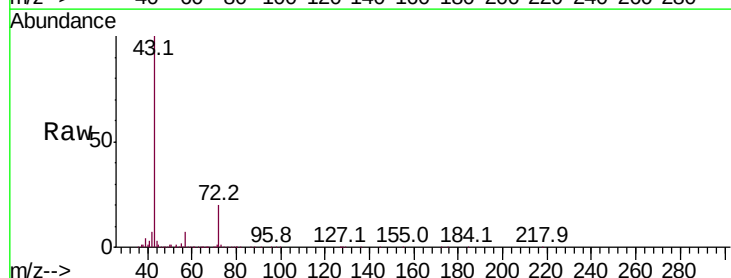
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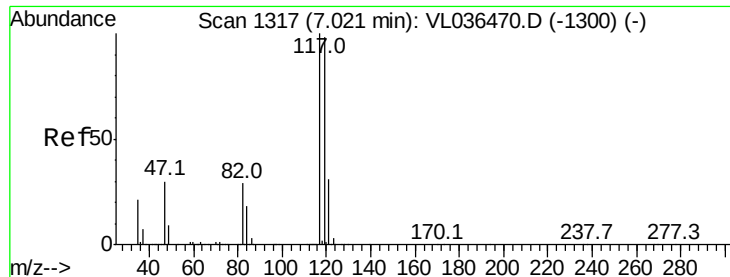
MMDadoda
 4/12/2021 11:15:10 AM



#34
 2-Butanone
 Concen: 9.127 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Tgt Ion: 43 Resp: 1576615
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.0 25.6





#35

Carbon Tetrachloride

Concen: 9.128 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2480996

Ion Ratio Lower Upper

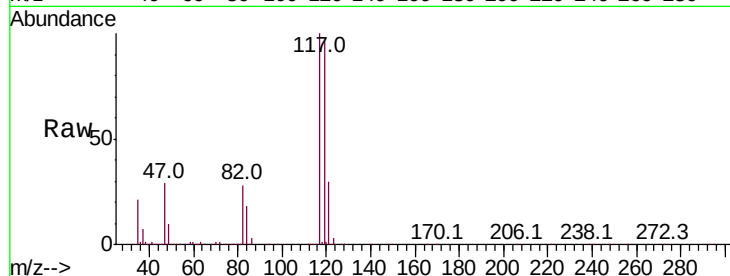
117 100

119 97.1 78.2 117.2

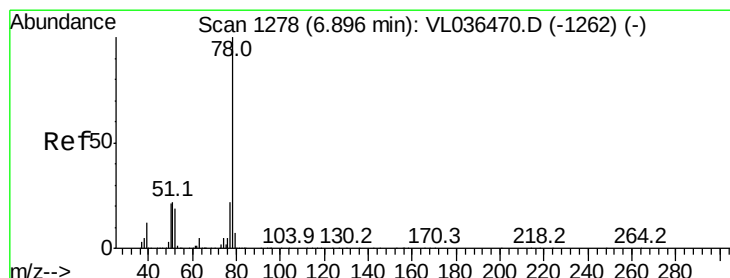
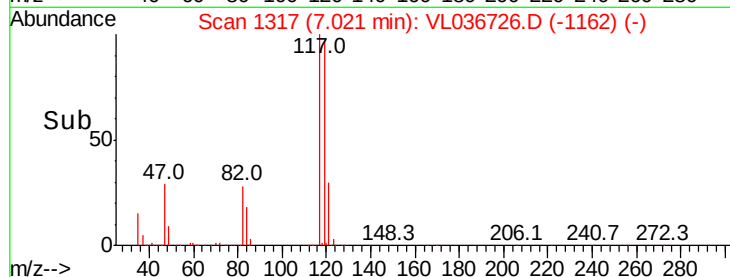
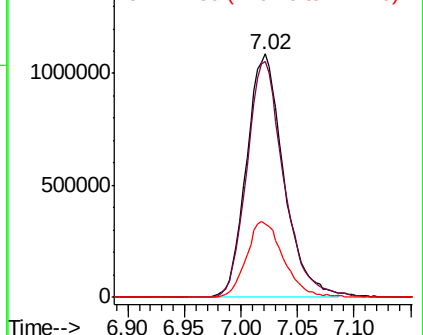
121 30.2 24.5 36.7

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



#36

Benzene

Concen: 9.515 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

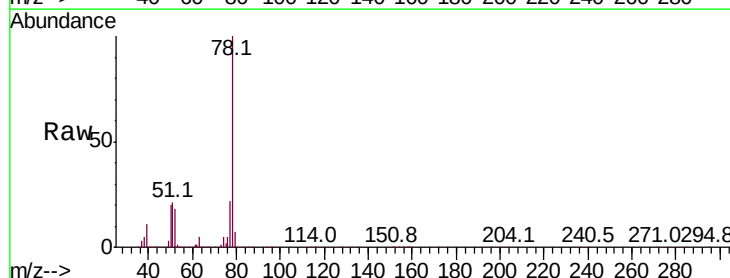
Tgt Ion: 78 Resp: 3105474

Ion Ratio Lower Upper

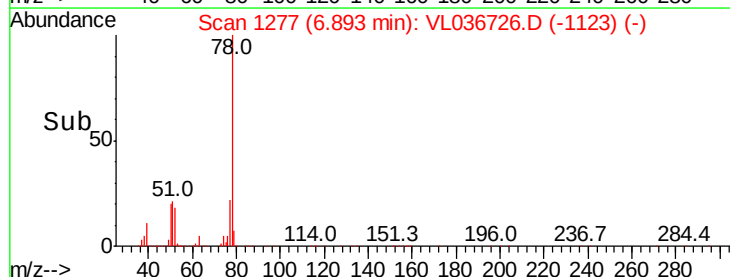
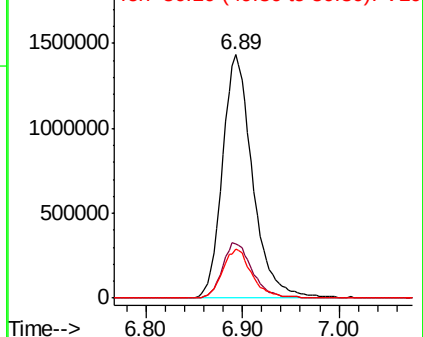
78 100

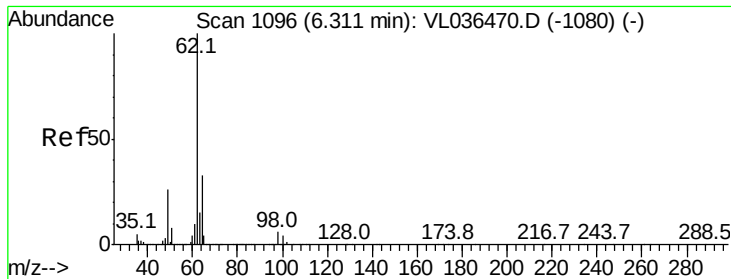
77 22.3 18.0 27.0

50 20.3 16.5 24.7



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





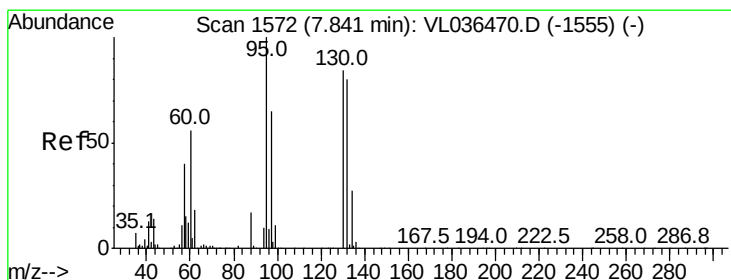
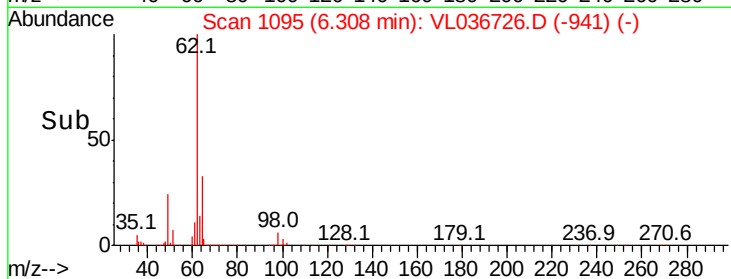
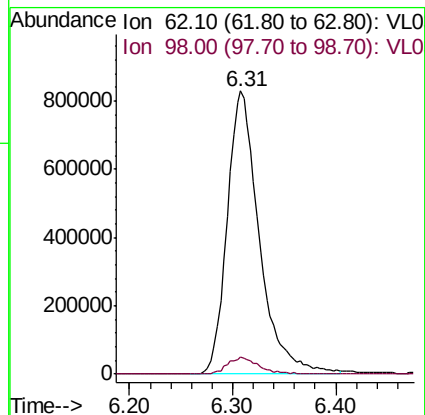
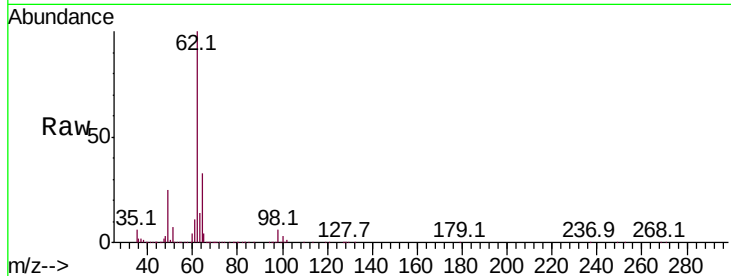
#37
1,2-Dichloroethane
Concen: 9.354 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 1796923
Ion Ratio Lower Upper
62 100
98 6.0 4.9 7.3

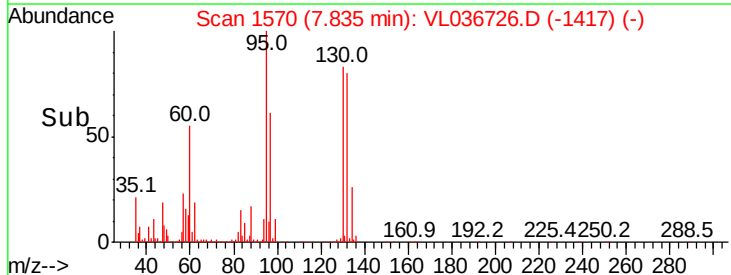
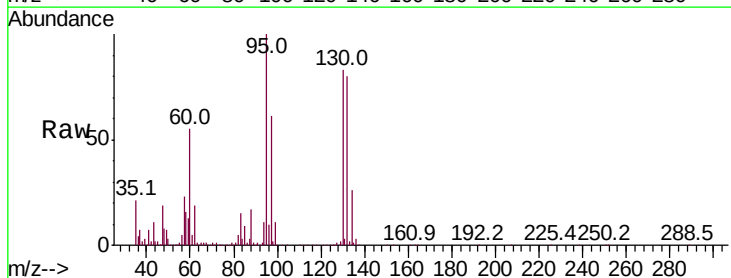
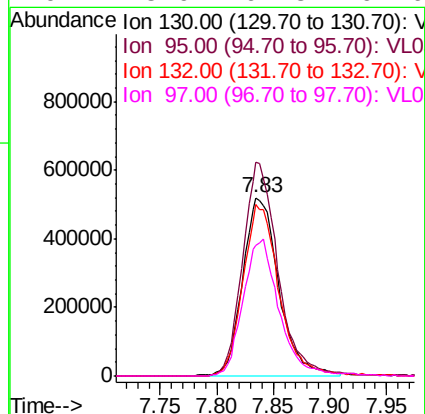
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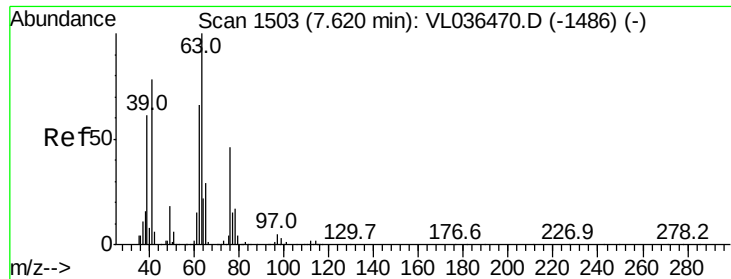
MMDadoda
4/12/2021 11:15:10 AM



#38
Trichloroethene
Concen: 9.003 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion:130 Resp: 1143570
Ion Ratio Lower Upper
130 100
95 120.3 95.7 143.5
132 96.5 76.2 114.4
97 73.9 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.199 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1217820

Ion Ratio Lower Upper

63 100

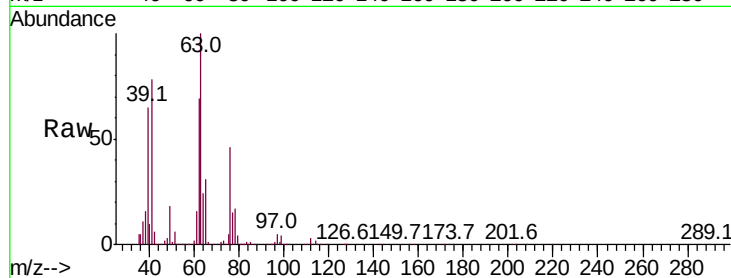
41 77.6 62.4 93.6

62 69.0 52.8 79.2

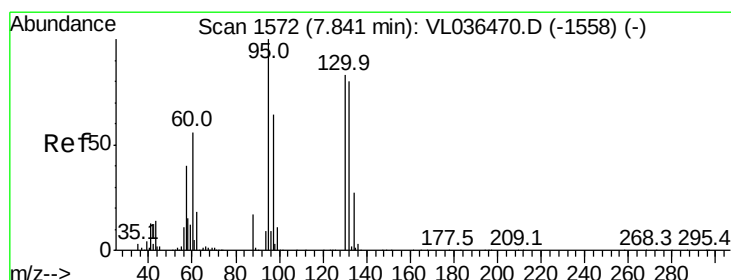
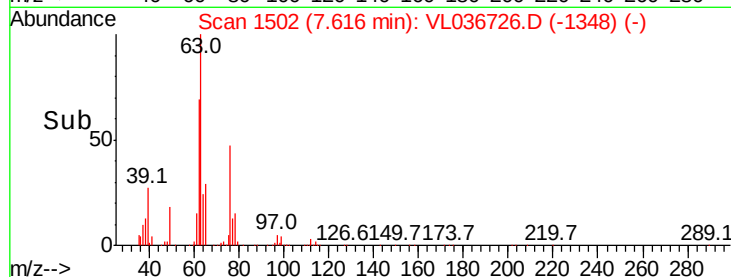
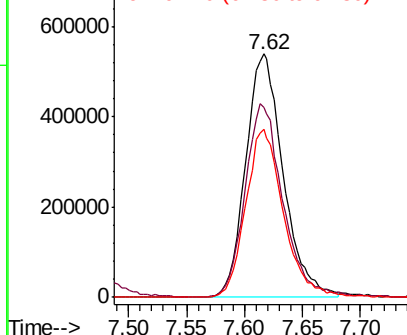
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.768 ppbv m

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion: 88 Resp: 300983

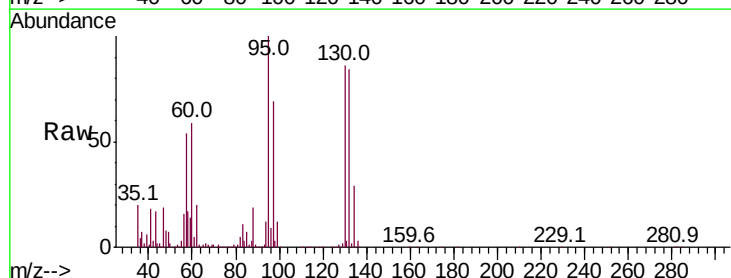
Ion Ratio Lower Upper

88 100

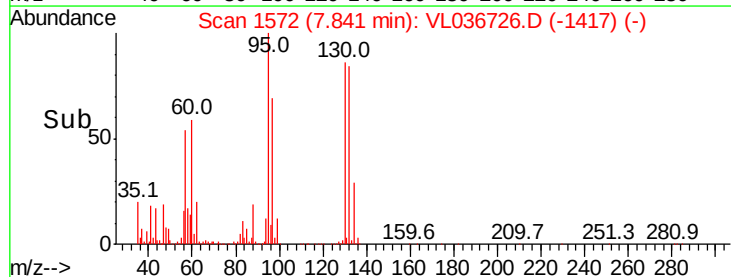
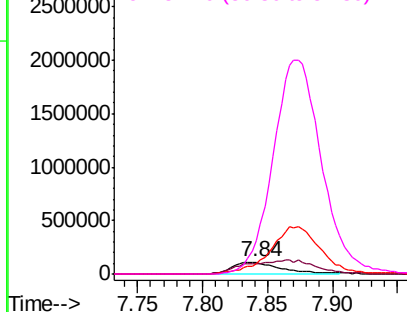
58 0.0 134.1 201.1#

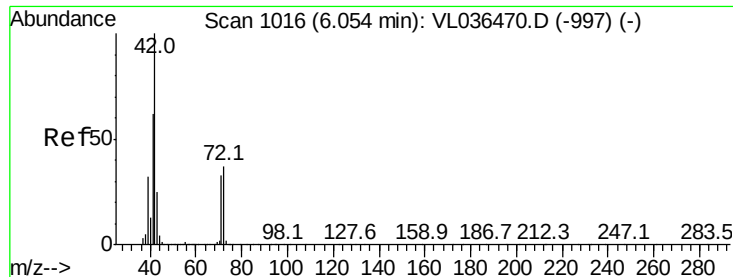
43 0.0 346.6 520.0#

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





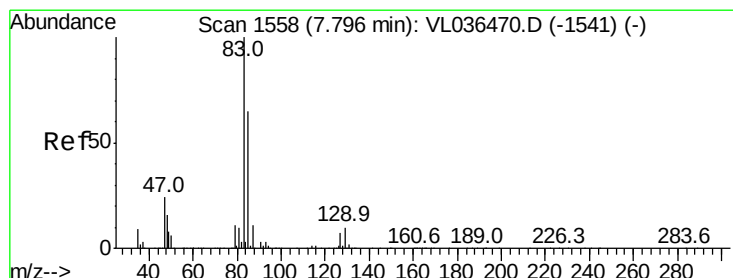
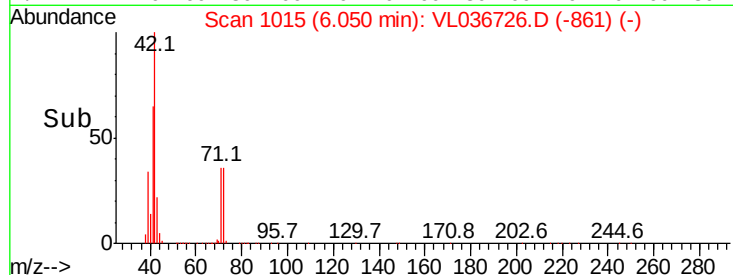
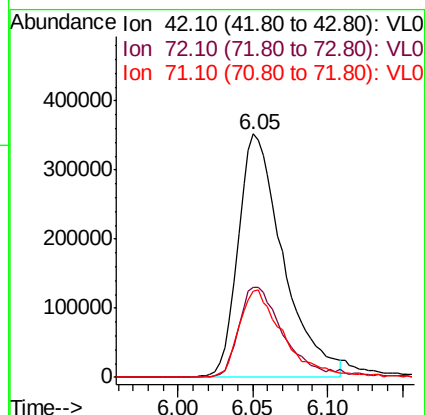
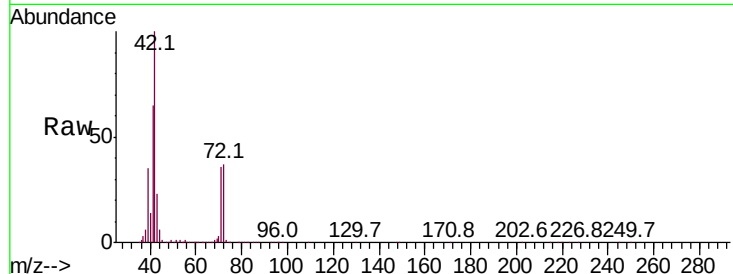
#41
Tetrahydrofuran
Concen: 9.199 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	27.6	41.4
71	36.5	27.0	40.4

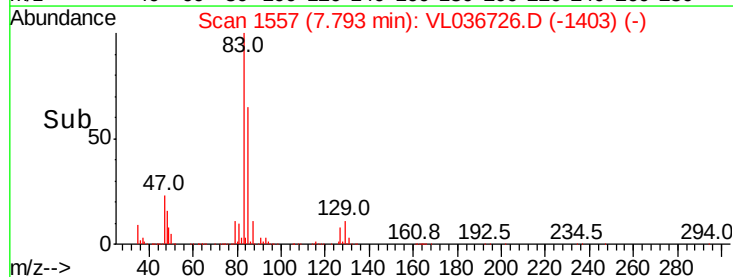
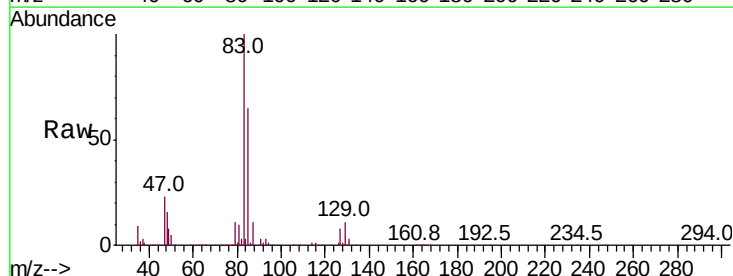
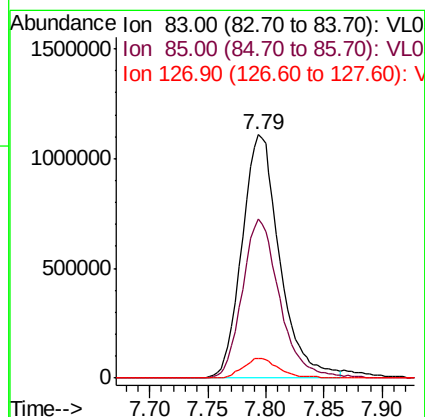
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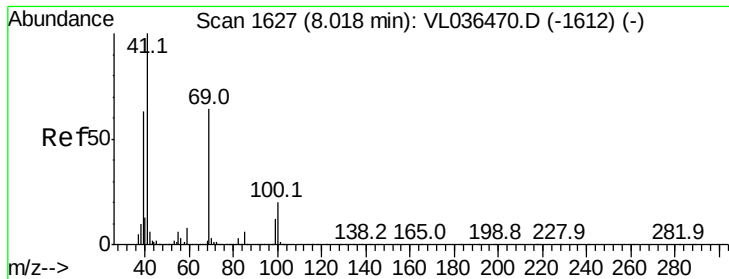
MMDadoda
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#42
Bromodichloromethane
Concen: 9.610 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6
127	7.9	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.158 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

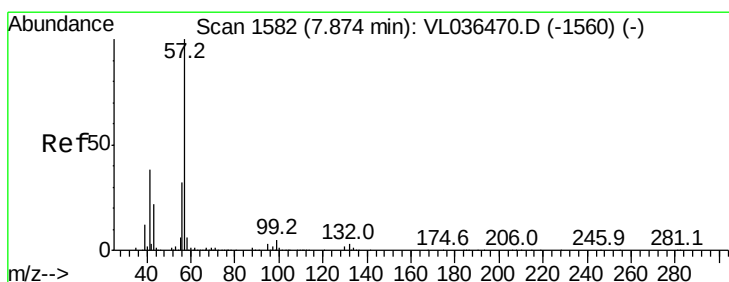
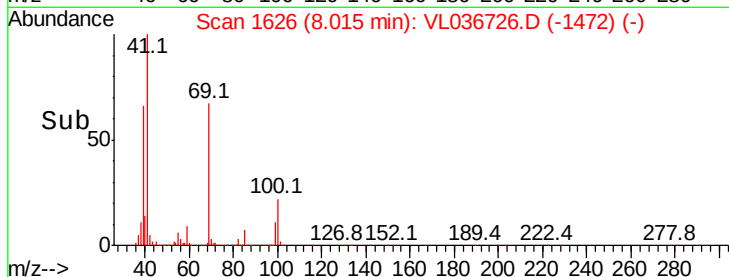
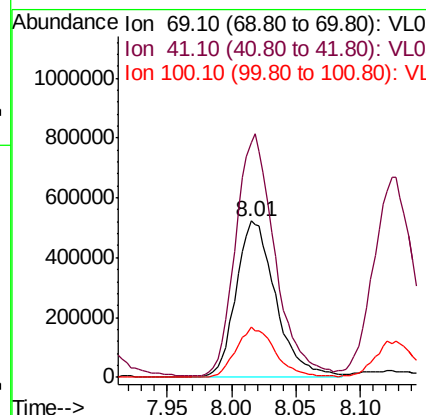
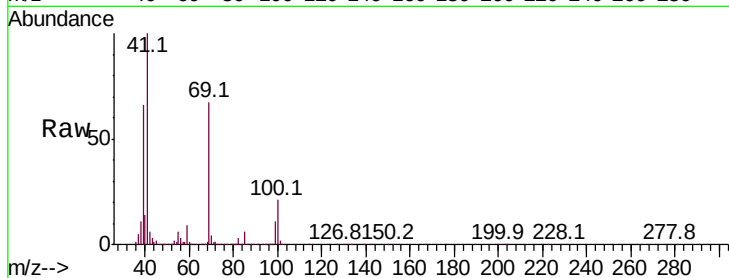
Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010

Tot Ion: 69 Resp: 1113268

Ion	Ratio	Lower	Upper
69	100		
41	155.2	126.8	190.2
100	32.1	24.9	37.3

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#44

2,2,4-Trimethylpentane

Concen: 9.109 ppbv

RT: 7.87 min Scan# 1581

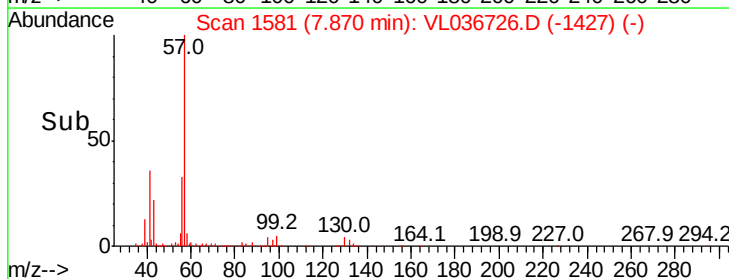
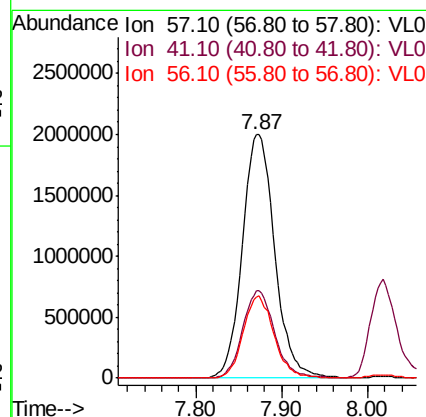
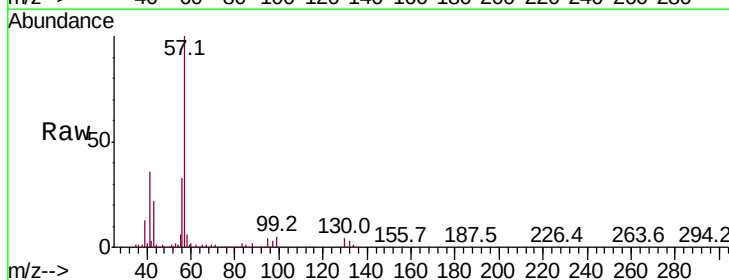
Delta R.T. -0.00 min

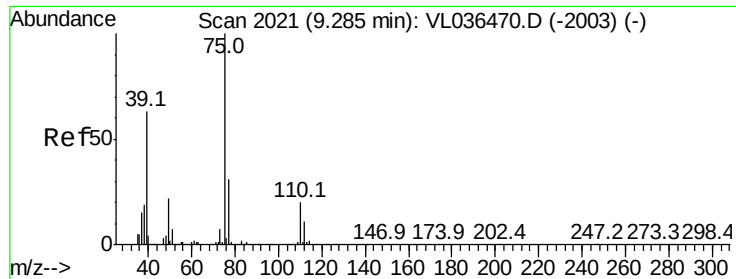
Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion: 57 Resp: 5232590

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.8	43.2
56	32.3	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 10.428 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

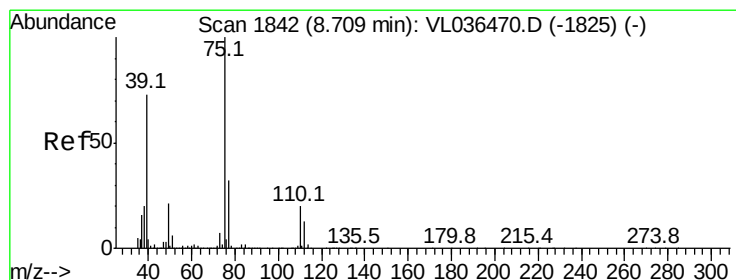
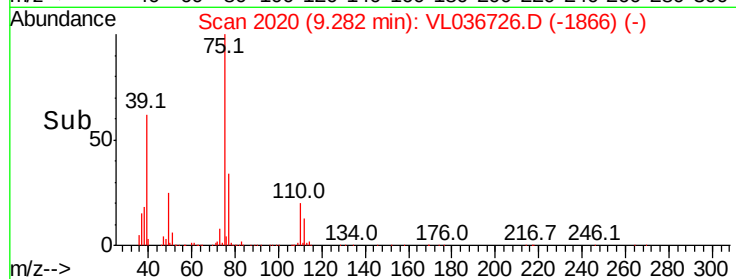
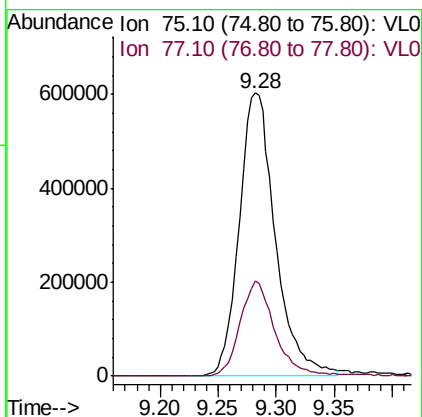
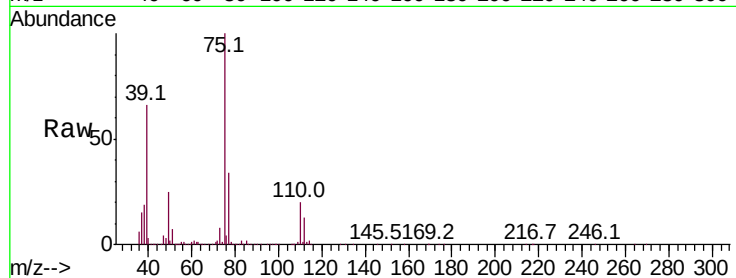
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1304952

Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.1	37.7

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#46

cis-1,3-Dichloropropene

Concen: 10.267 ppbv

RT: 8.70 min Scan# 1840

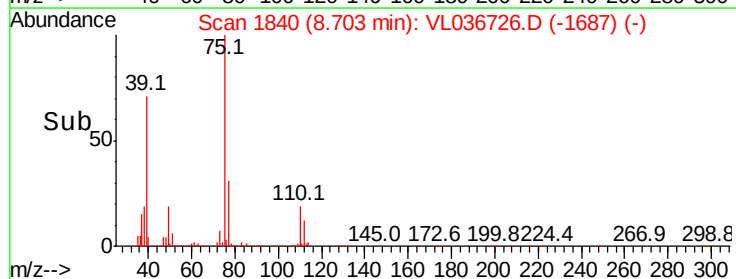
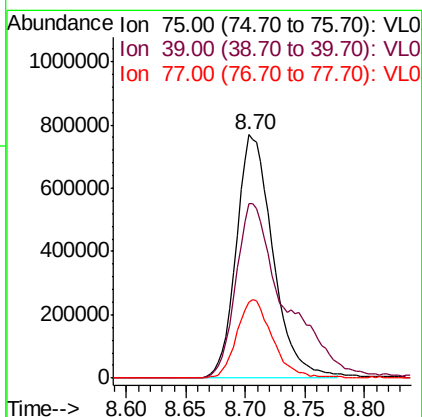
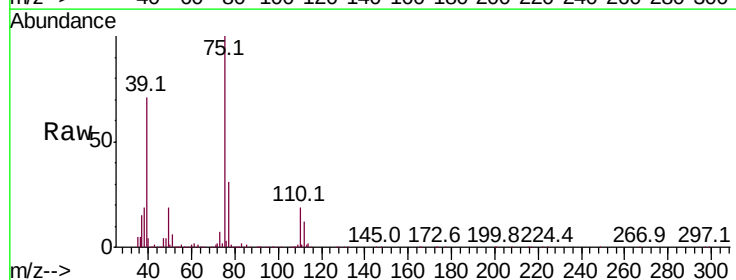
Delta R.T. -0.01 min

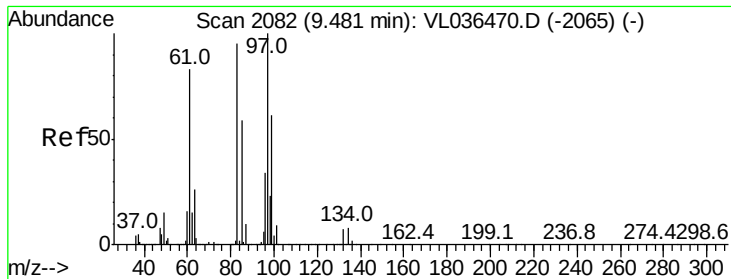
Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion: 75 Resp: 1642421

Ion	Ratio	Lower	Upper
75	100		
39	71.3	58.2	87.2
77	31.0	25.2	37.8





#47

1,1,2-Trichloroethane

Concen: 9.410 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.00 min

Lab File: VL036726.D

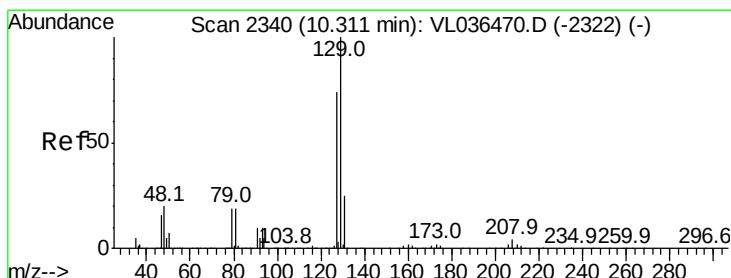
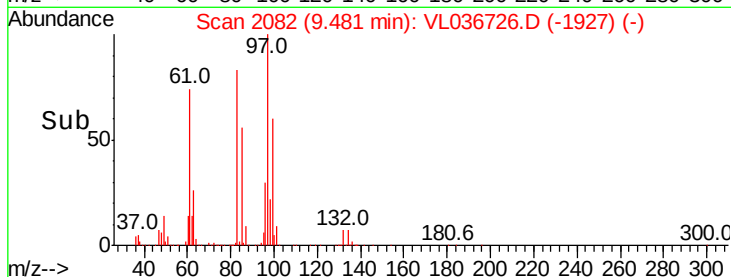
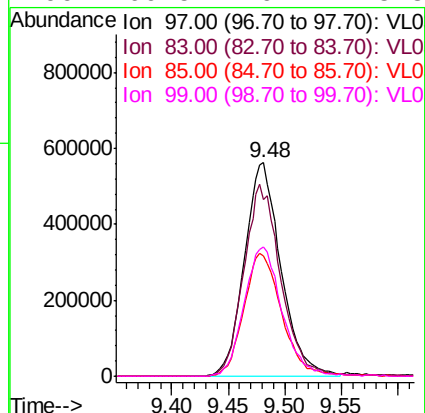
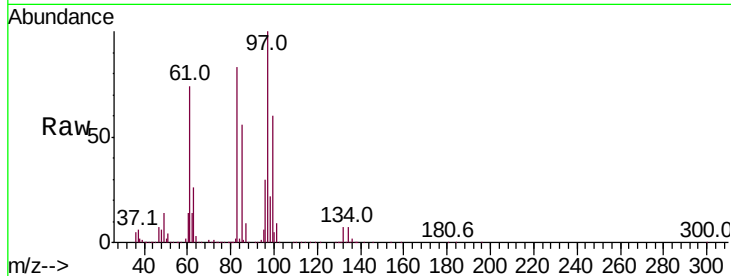
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.9	75.8	113.8
85	56.4	47.1	70.7
99	60.5	49.2	73.8

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#48

Dibromochloromethane

Concen: 10.105 ppbv

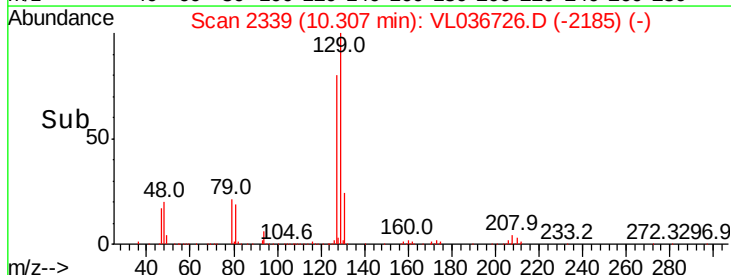
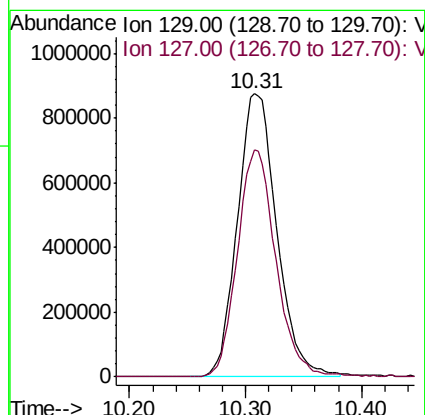
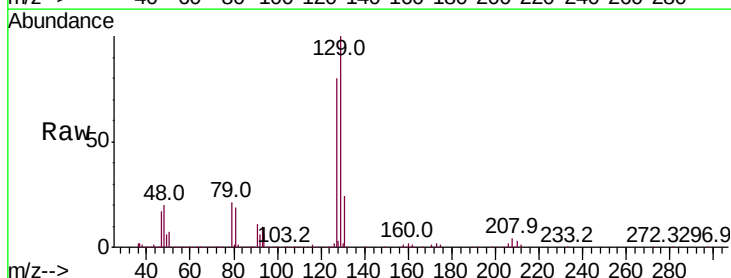
RT: 10.31 min Scan# 2339

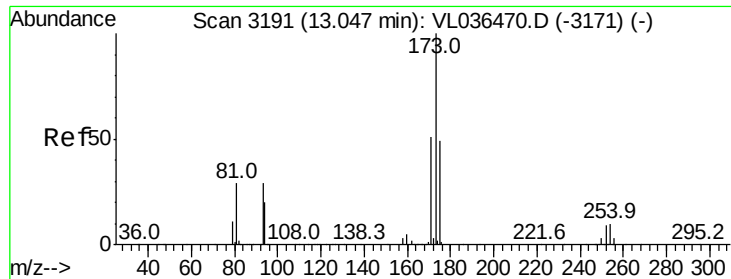
Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.6	118.8





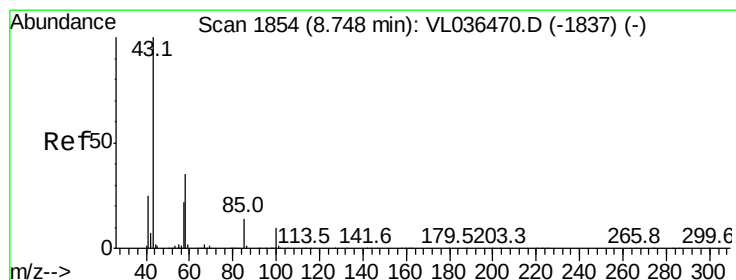
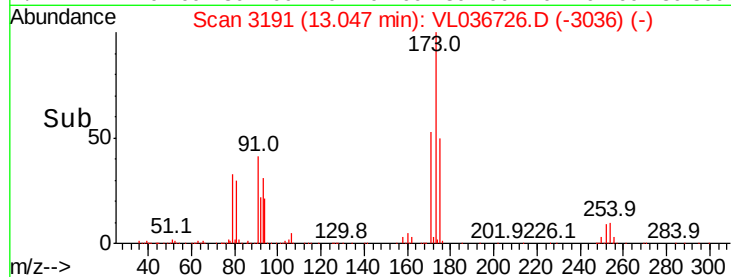
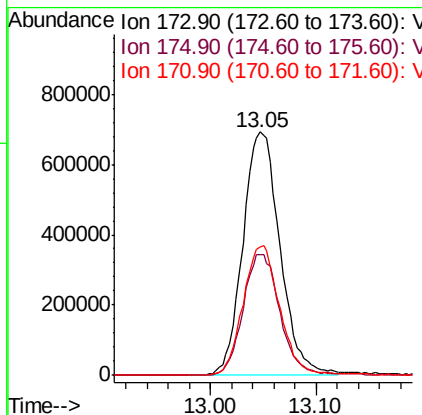
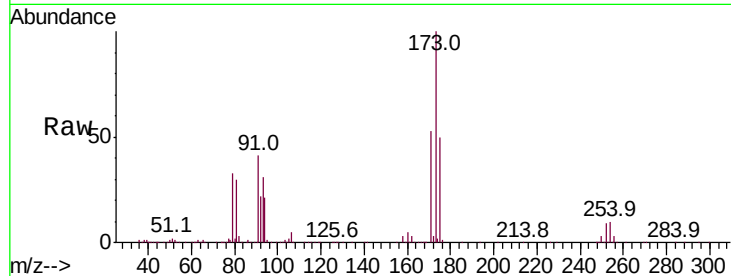
#49
Bromoform
Concen: 10.309 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1697985
Ion Ratio Lower Upper
173 100
175 50.1 39.6 59.4
171 53.3 41.4 62.0

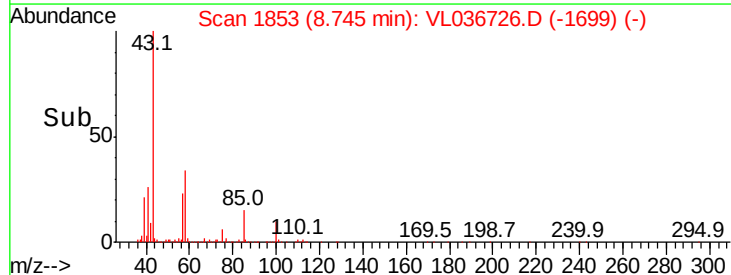
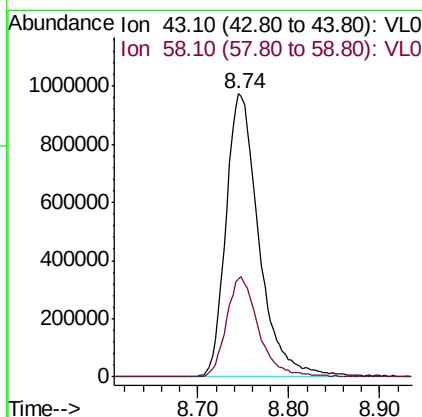
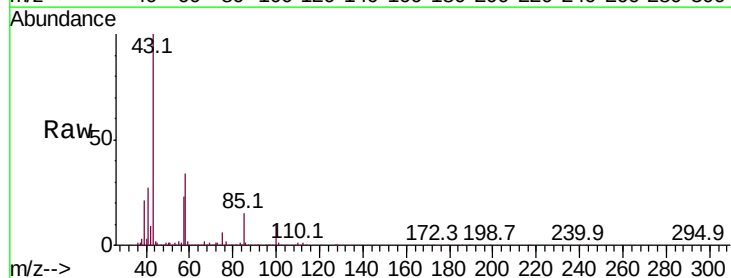
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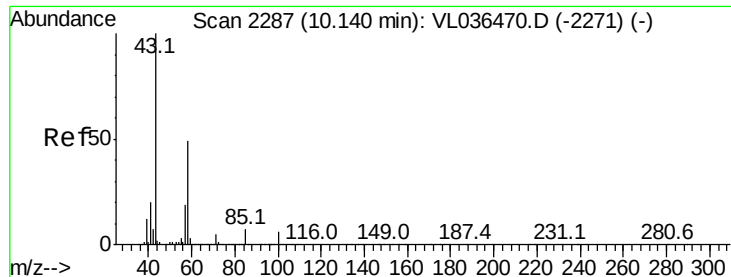
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.758 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion: 43 Resp: 2439062
Ion Ratio Lower Upper
43 100
58 34.8 28.2 42.2





#51

2-Hexanone

Concen: 10.214 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1288290

Ion Ratio Lower Upper

43 100

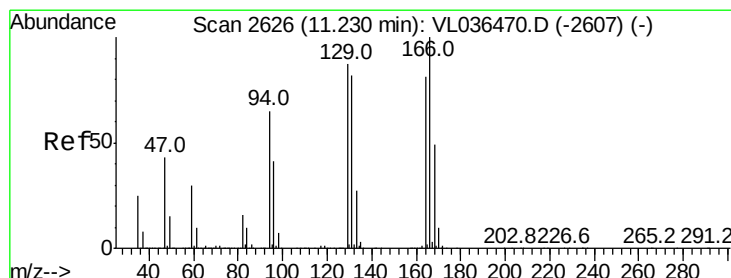
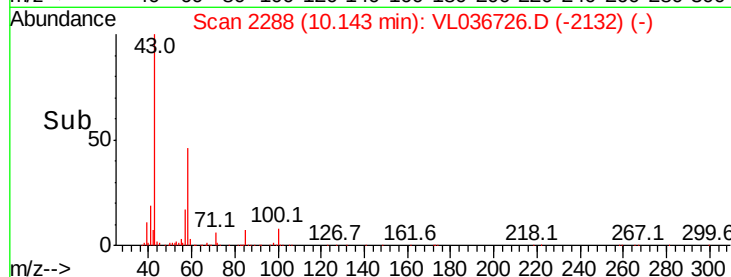
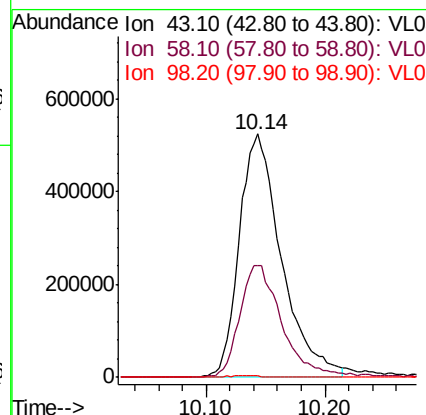
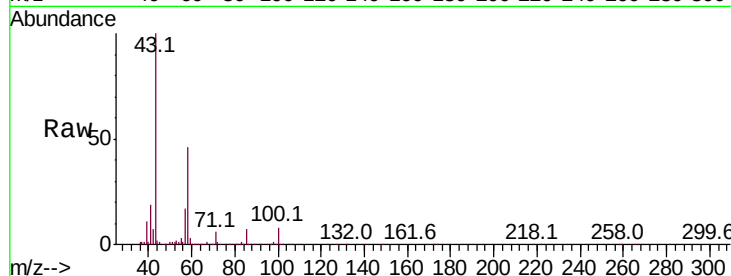
58 47.1 37.7 56.5

98 0.9 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.805 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion: 164 Resp: 1058230

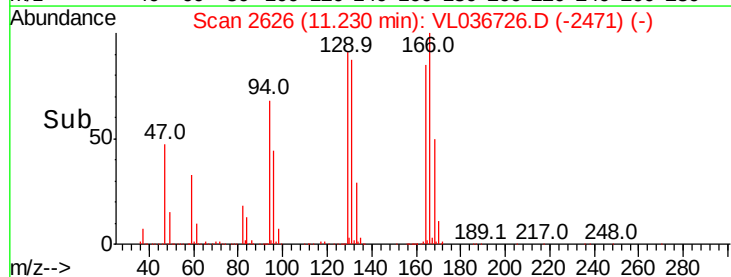
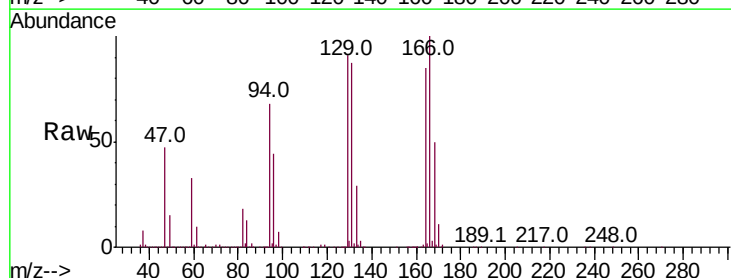
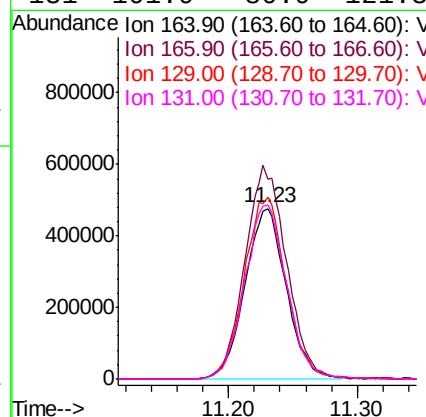
Ion Ratio Lower Upper

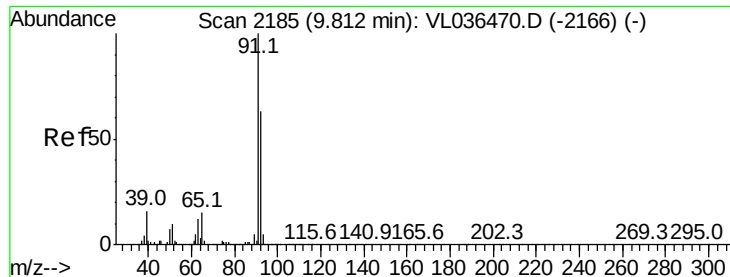
164 100

166 117.1 98.3 147.5

129 106.7 85.8 128.8

131 101.9 80.9 121.3





#53

Toluene

Concen: 10.027 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3485194

Ion Ratio Lower Upper

91 100

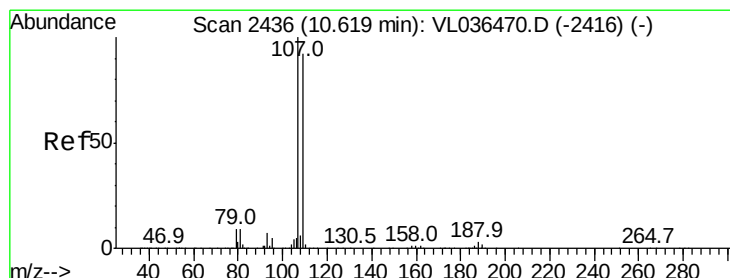
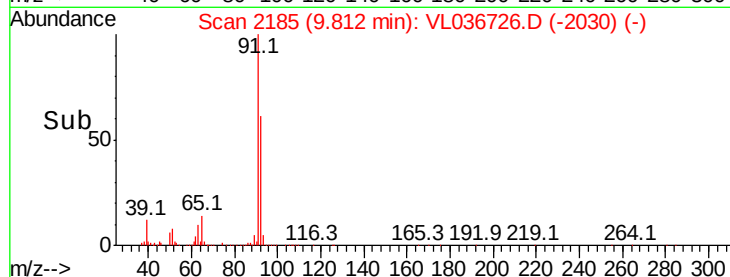
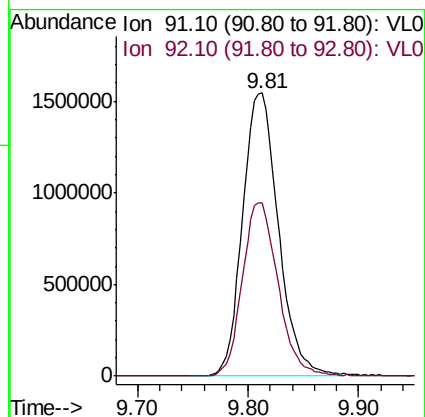
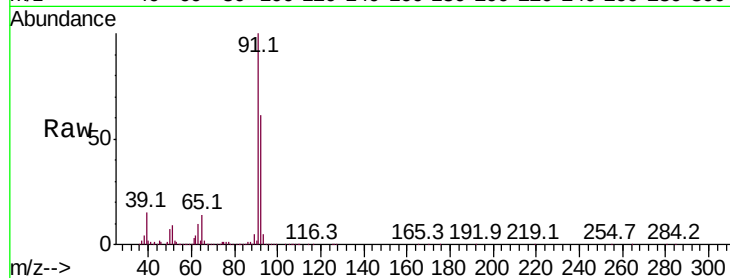
92 61.4 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.613 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL036726.D

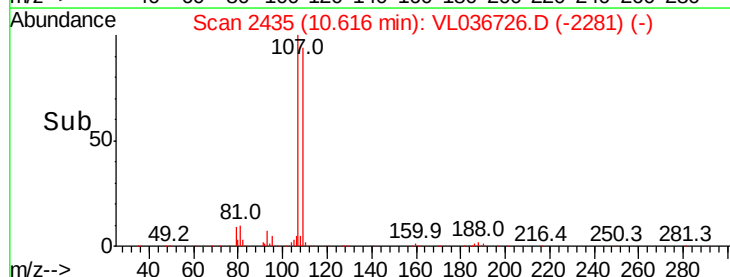
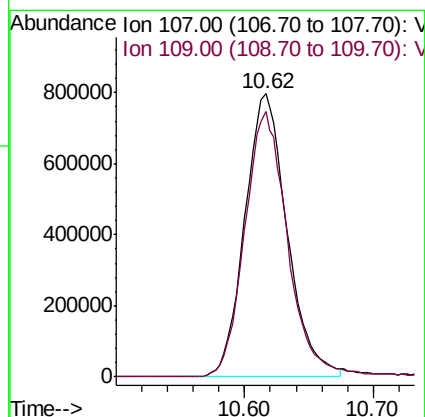
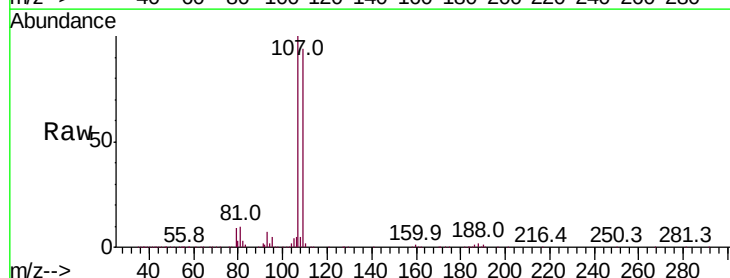
Acq: 7 Apr 2021 13:20

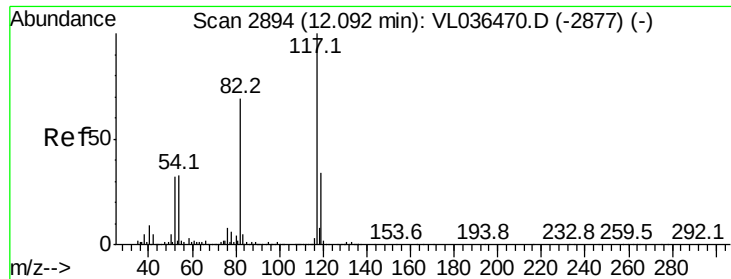
Tgt Ion: 107 Resp: 1820388

Ion Ratio Lower Upper

107 100

109 93.7 73.9 110.9





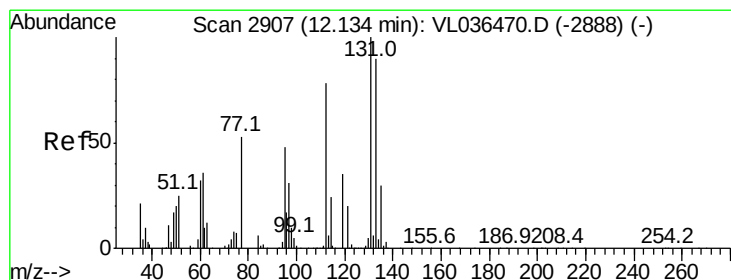
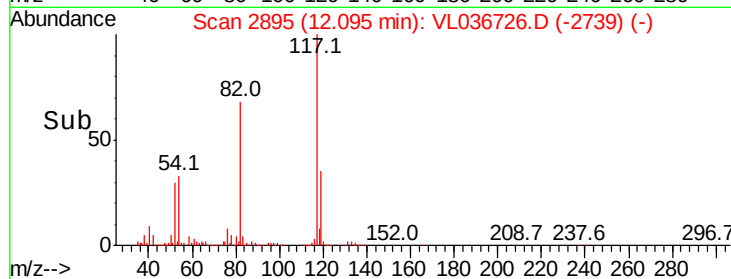
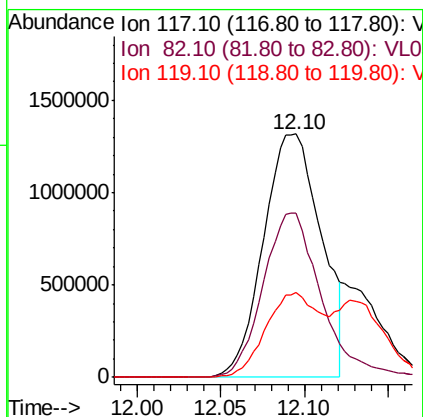
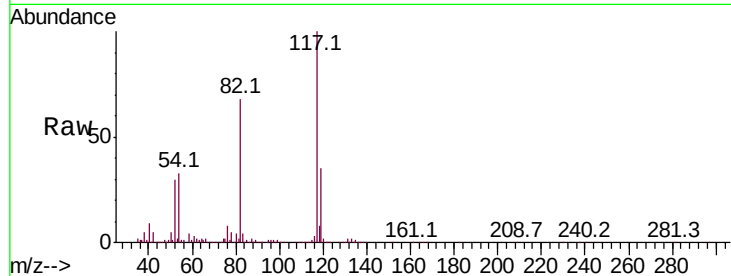
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.1	57.4	86.0
119	31.2	47.4	71.0#

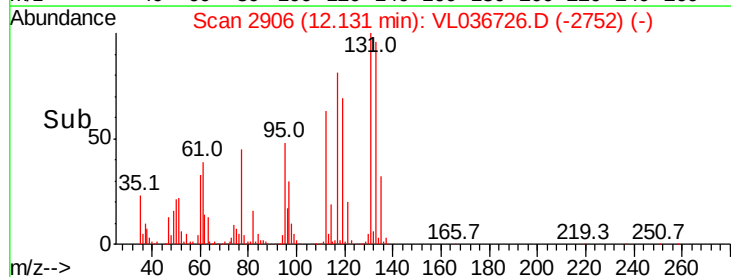
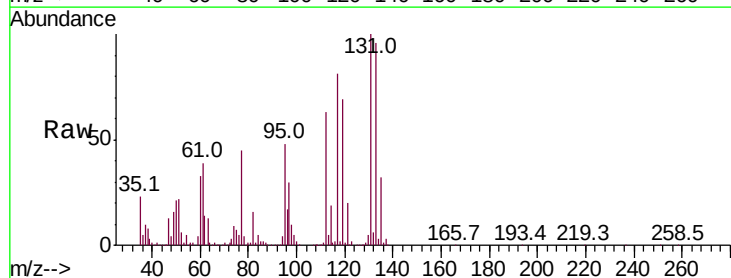
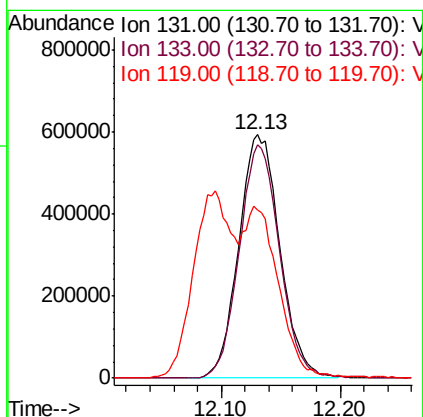
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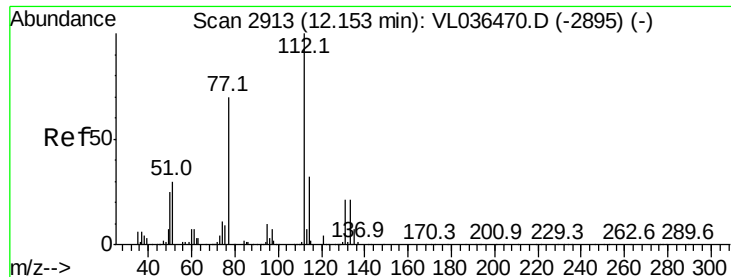
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.904 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	75.8	113.6
119	55.8	48.7	73.1





#57

Chlorobenzene

Concen: 9.640 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2595579

Ion Ratio Lower Upper

112 100

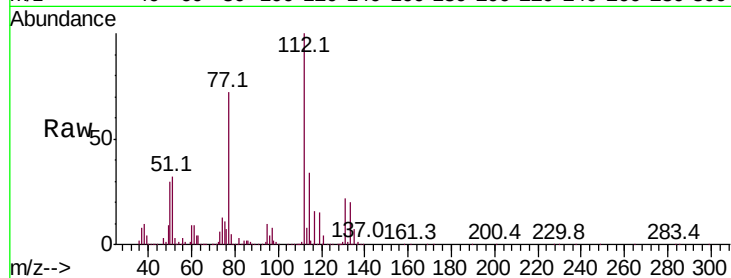
77 71.6 56.0 84.0

114 33.5 29.0 35.4

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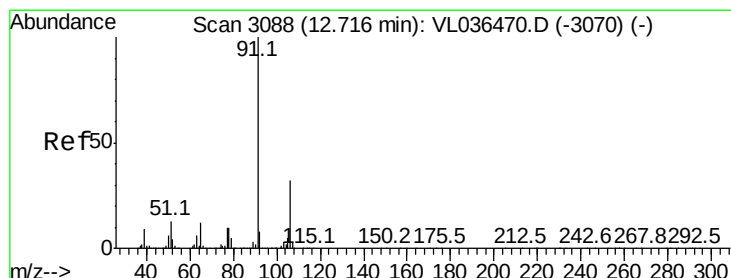
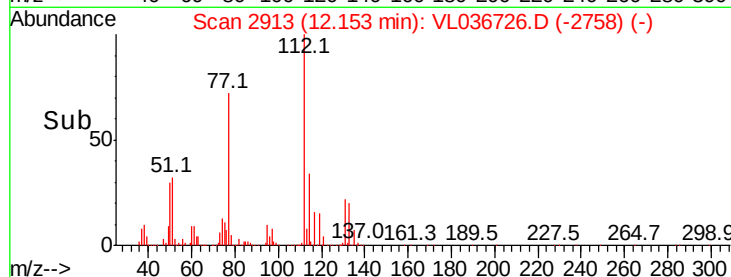
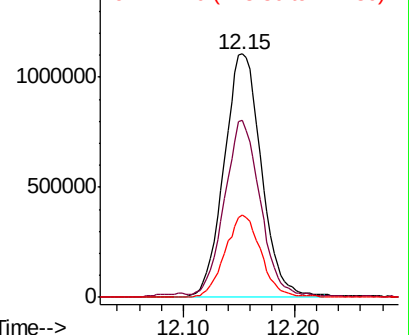
4/12/2021 11:15:10 AM



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: 10.172 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL036726.D

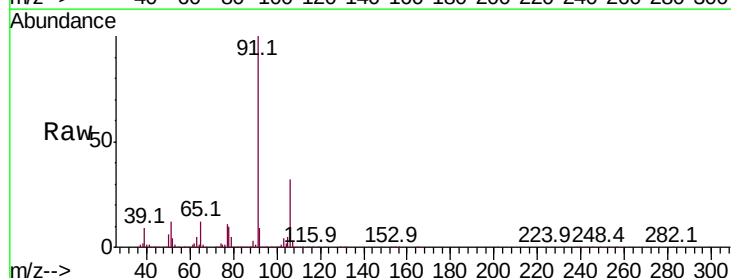
Acq: 7 Apr 2021 13:20

Tgt Ion: 91 Resp: 4683179

Ion Ratio Lower Upper

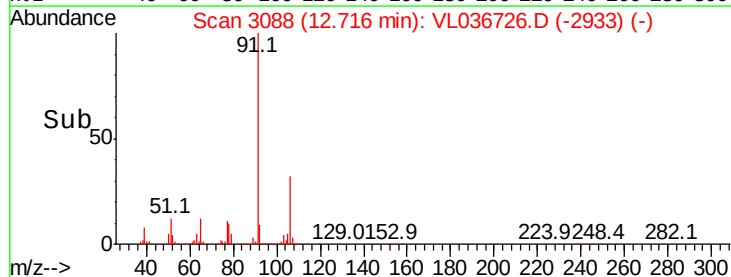
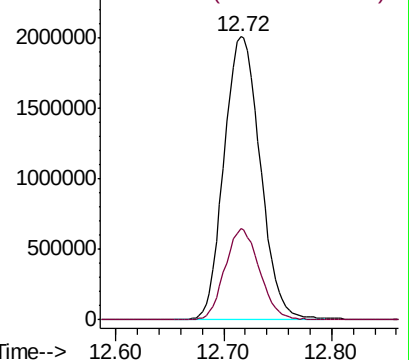
91 100

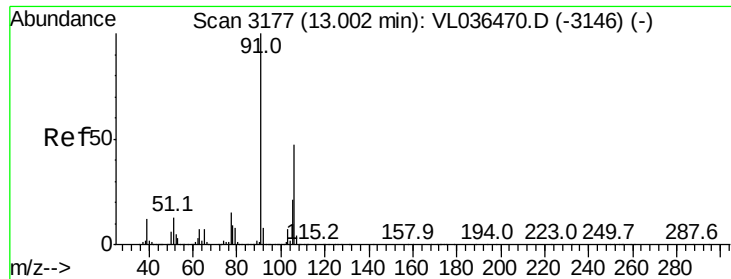
106 32.3 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





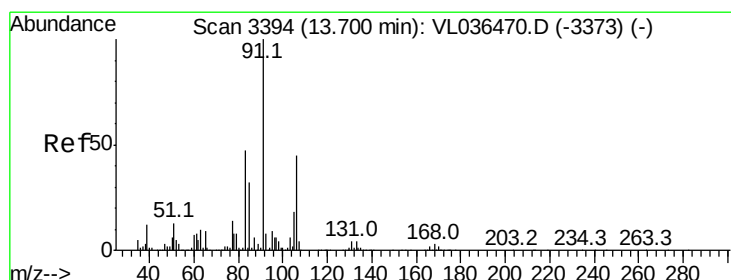
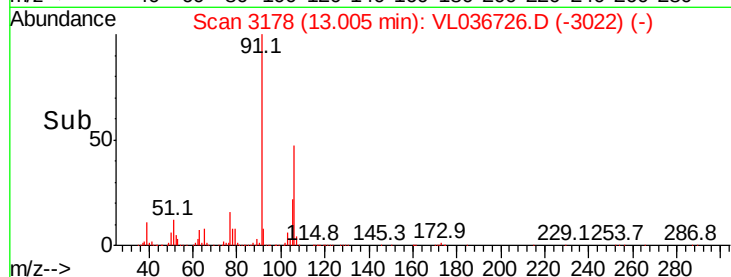
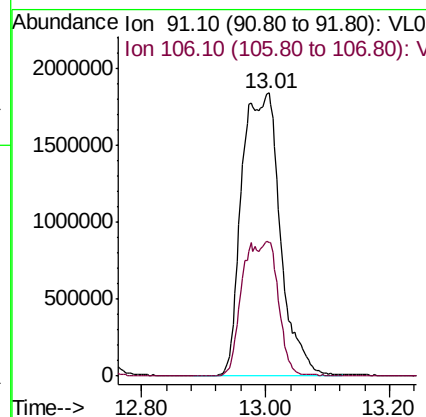
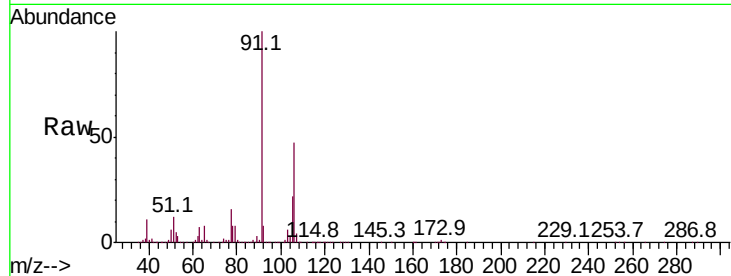
#59
m/p-Xylene
Concen: 19.794 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7948454
Ion Ratio Lower Upper
91 100
106 44.6 35.3 52.9

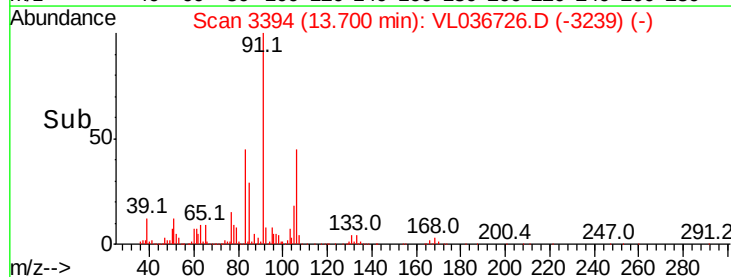
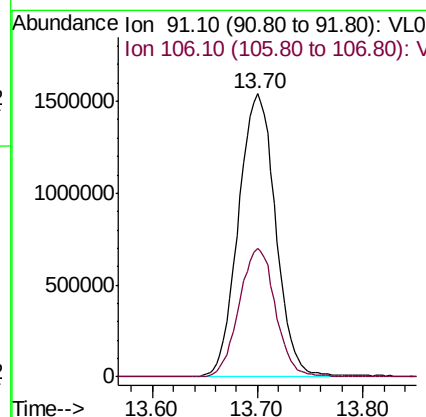
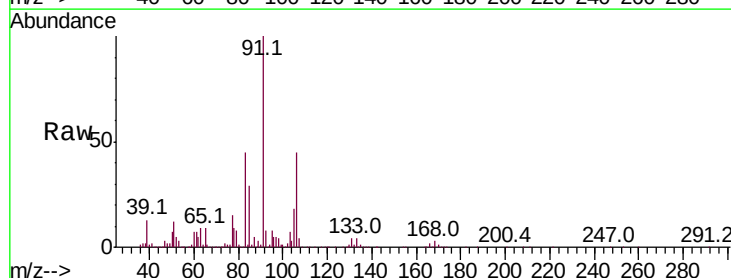
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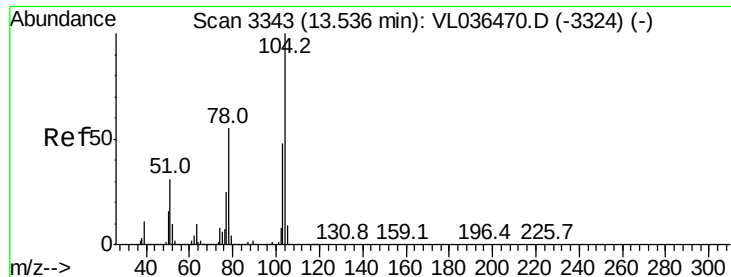
MMDadoda
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#60
o-Xylene
Concen: 9.684 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion: 91 Resp: 3760175
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





#61

Stvrene

Concen: 11.311 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2209408

Ion Ratio Lower Upper

104 100

78 53.5 43.8 65.8

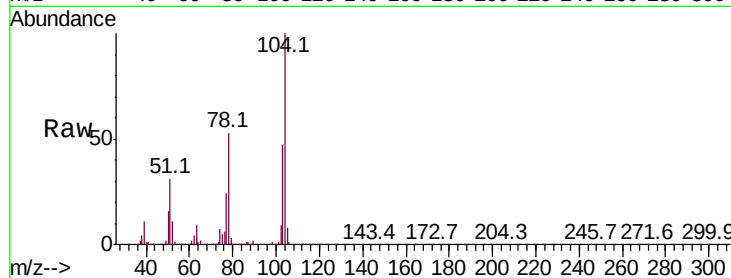
103 47.6 38.3 57.5

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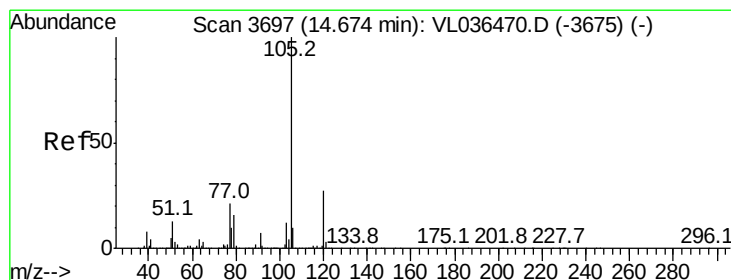
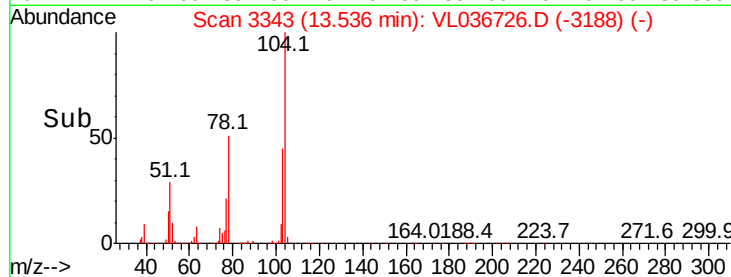
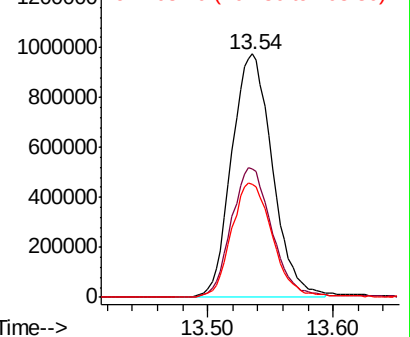
4/12/2021 11:15:10 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.742 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL036726.D

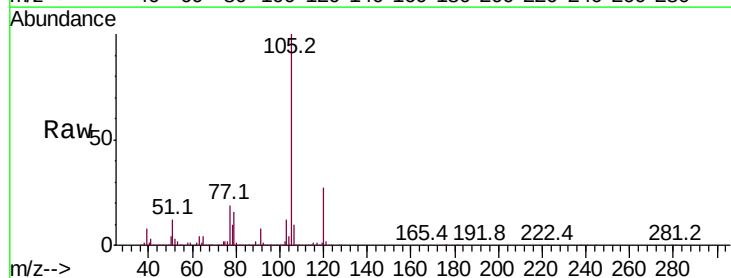
Acq: 7 Apr 2021 13:20

Tgt Ion:105 Resp: 5093879

Ion Ratio Lower Upper

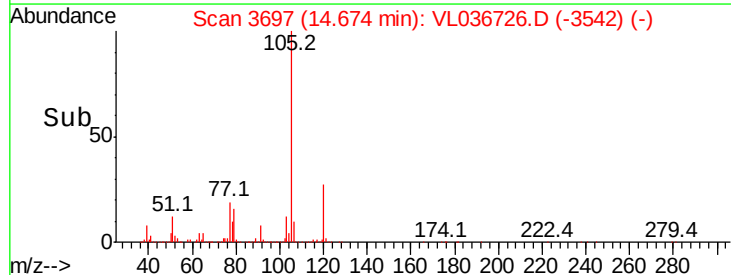
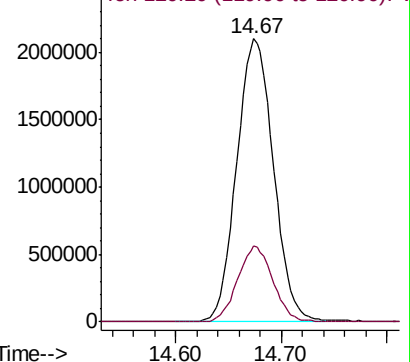
105 100

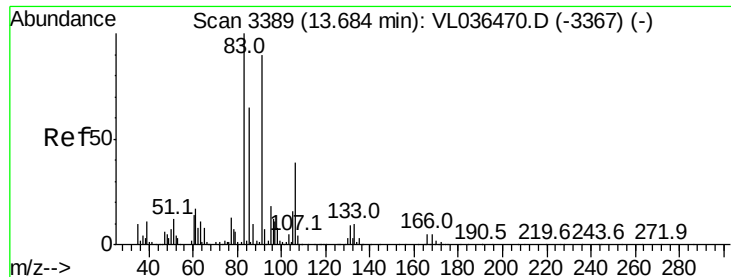
120 25.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





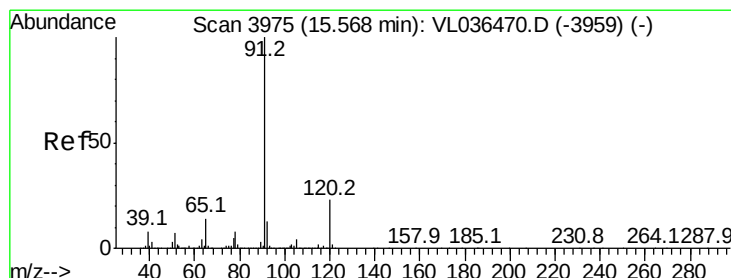
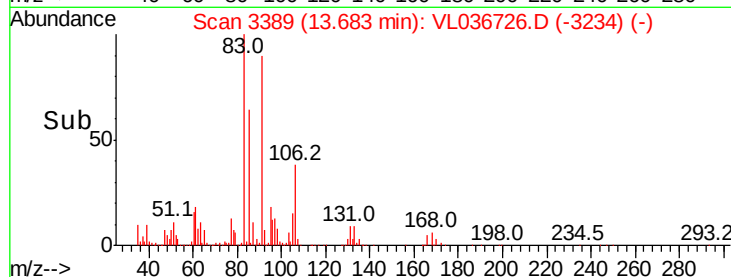
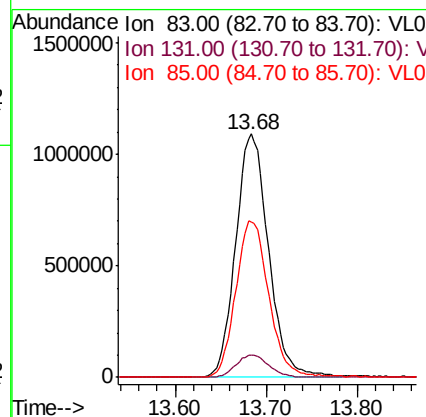
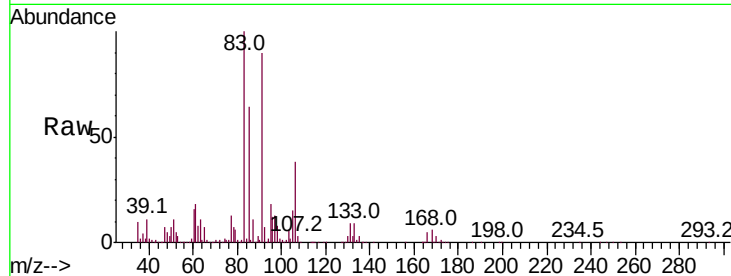
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.245 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.4	33.1	99.3

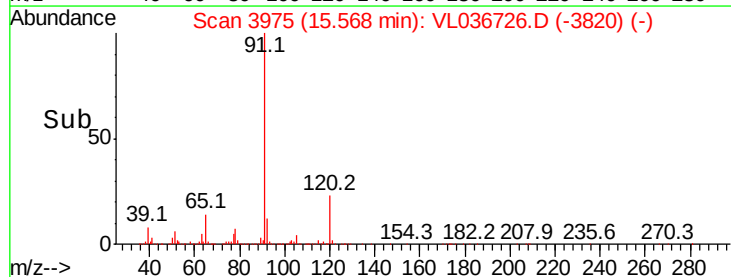
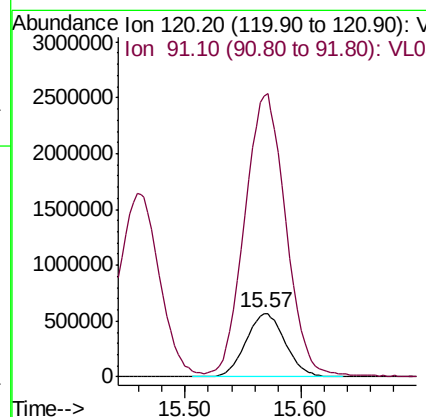
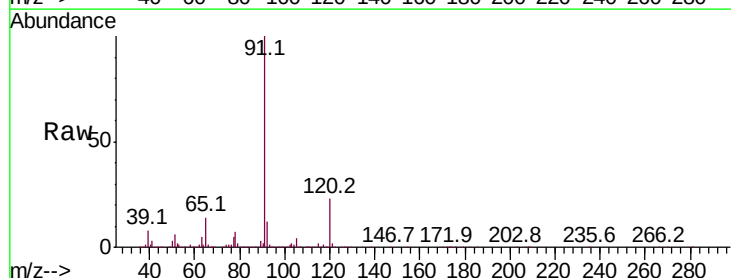
Manual Integrations
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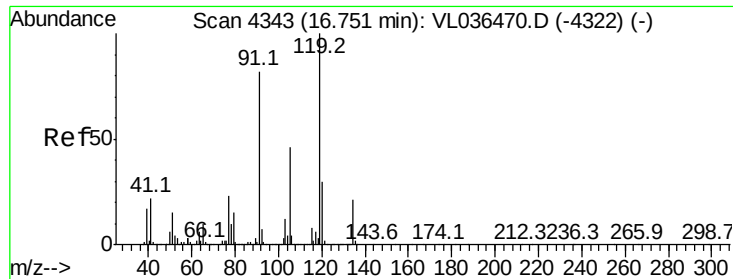
MMDadoda
 4/12/2021 11:15:10 AM



#64
 n-propylbenzene
 Concen: 10.491 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
120	100		
91	467.2	377.4	566.2





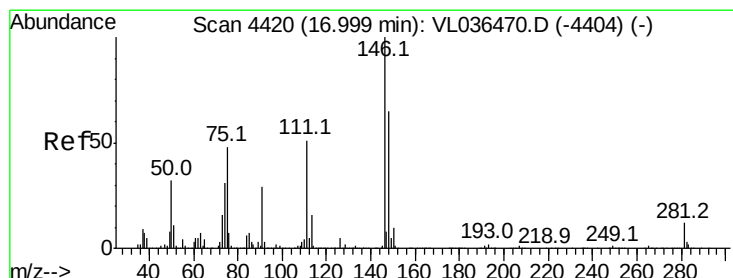
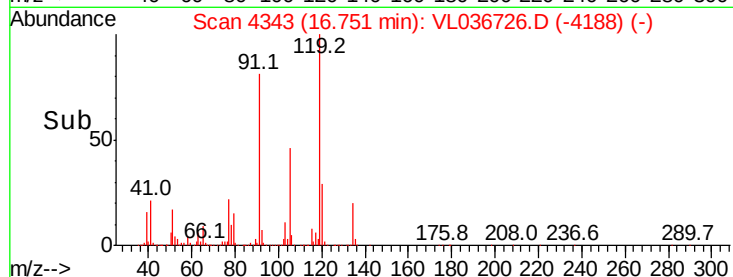
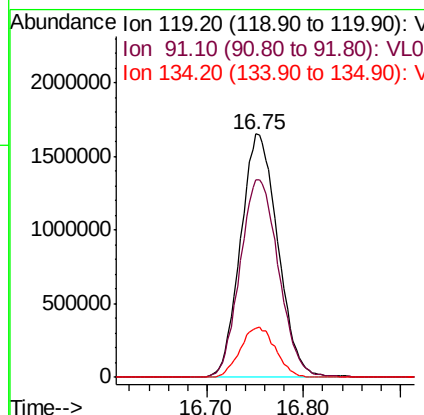
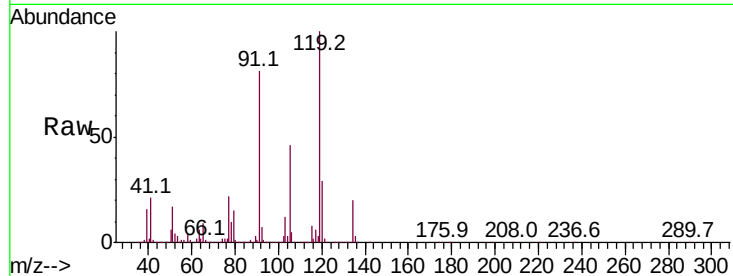
#65
 tert-Butylbenzene
 Concen: 9.753 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.1	67.5	101.3
134	19.8	15.8	23.8

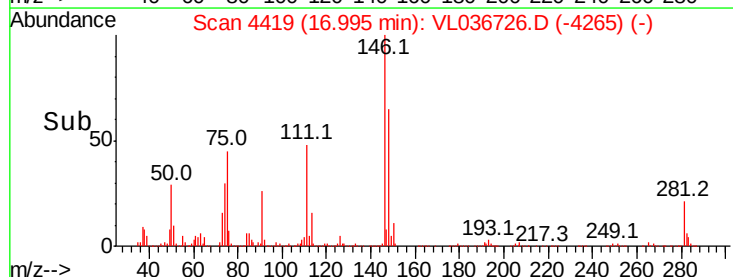
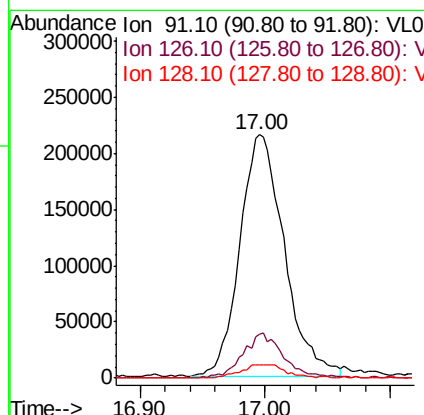
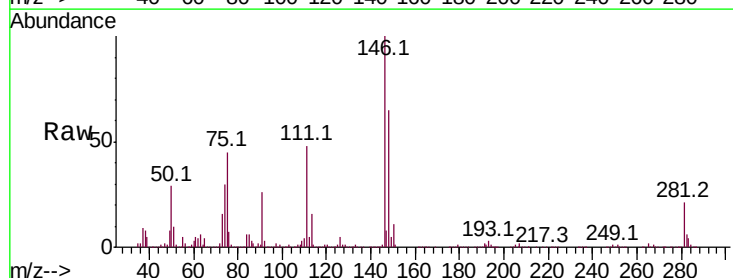
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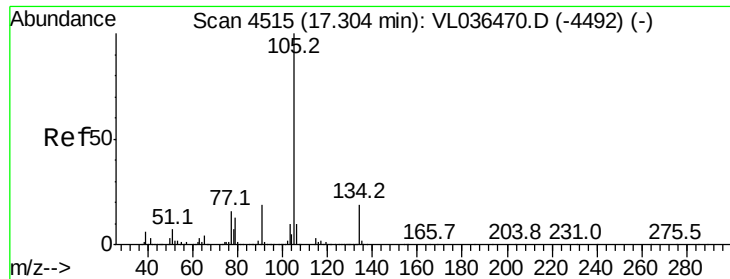
MMDadoda
 4/12/2021 11:15:10 AM



#66
 Benzyl Chloride
 Concen: 10.565 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	13.5	20.3
128	6.0	4.2	6.4





#67

sec-Butylbenzene

Concen: 9.731 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion:105 Resp: 6227597

Ion Ratio Lower Upper

105 100

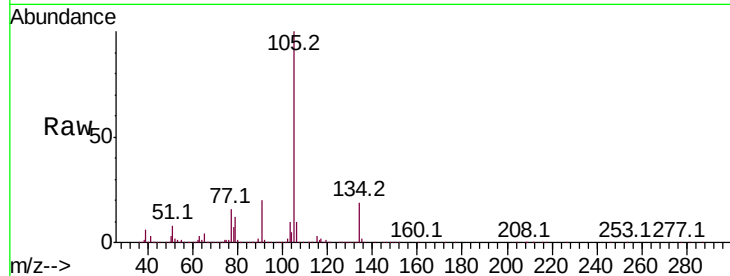
134 18.5 14.7 22.1

Manual Integrations

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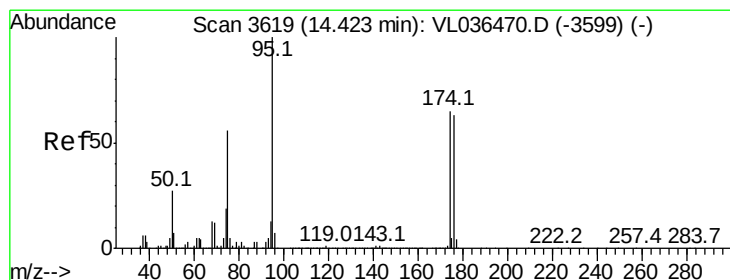
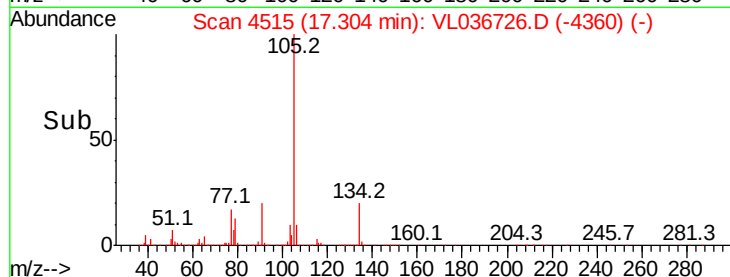
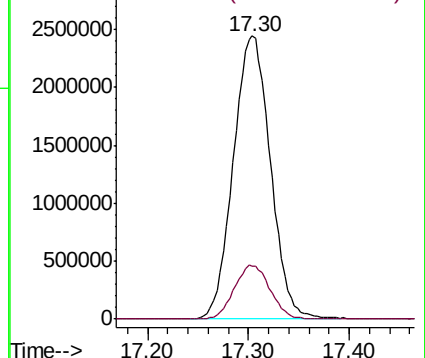
MMDadoda

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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: 10.330 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

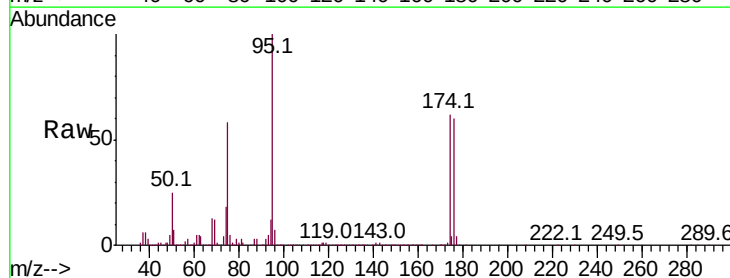
Tgt Ion: 95 Resp: 2605462

Ion Ratio Lower Upper

95 100

174 63.2 51.0 76.6

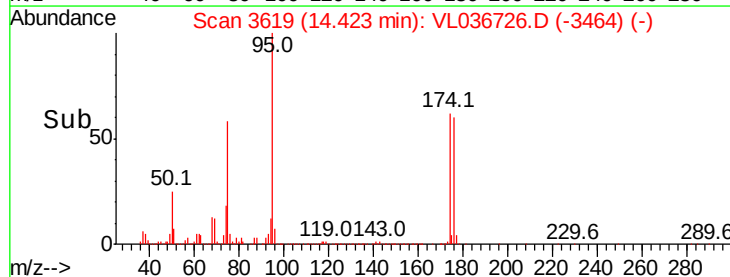
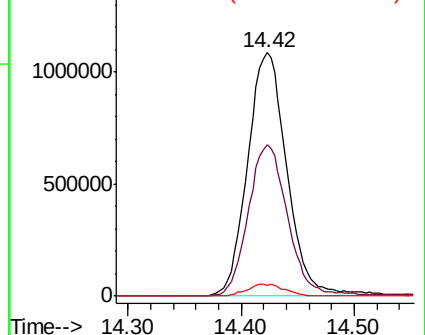
175 5.0 3.9 5.9

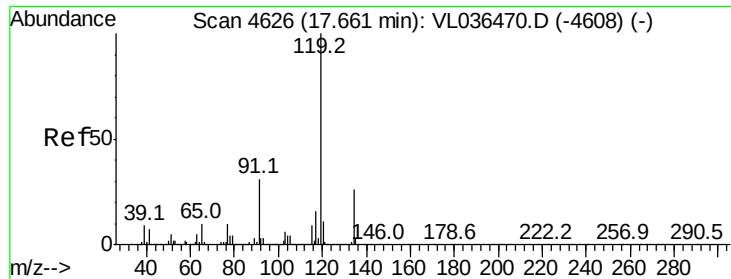


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





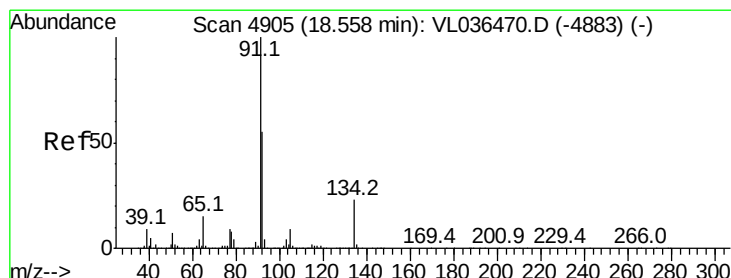
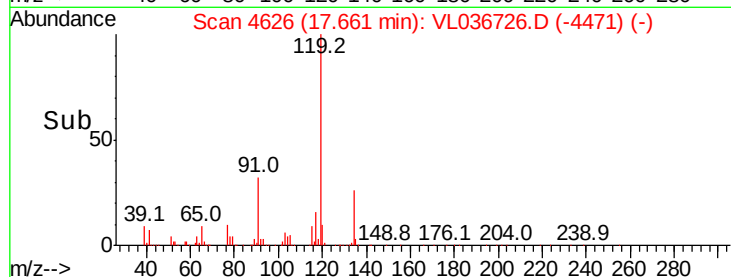
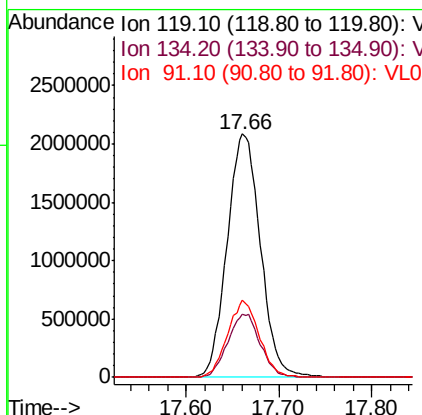
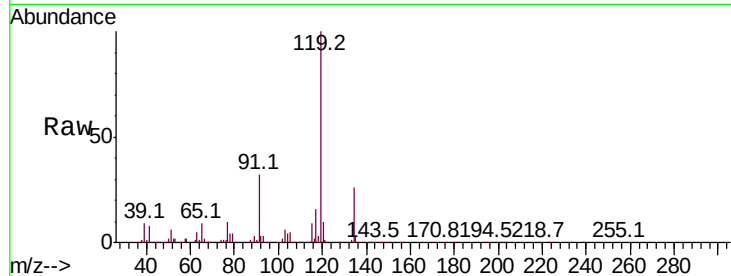
#69
 p-Isopropyltoluene
 Concen: 10.357 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	30.2	25.0	37.6

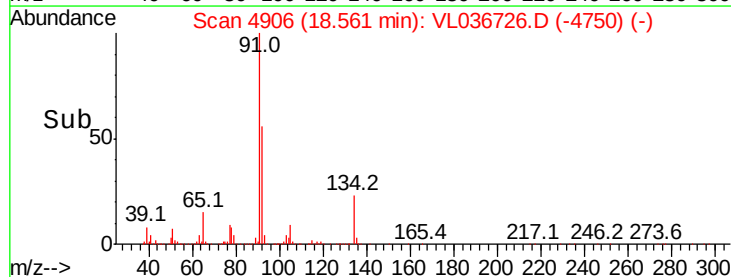
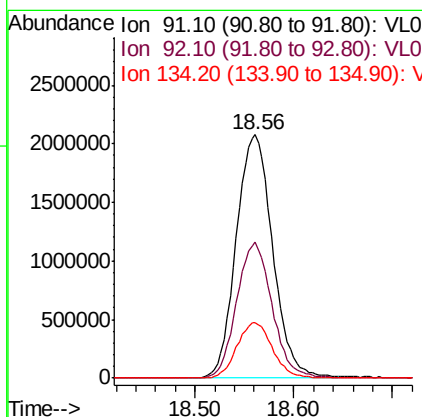
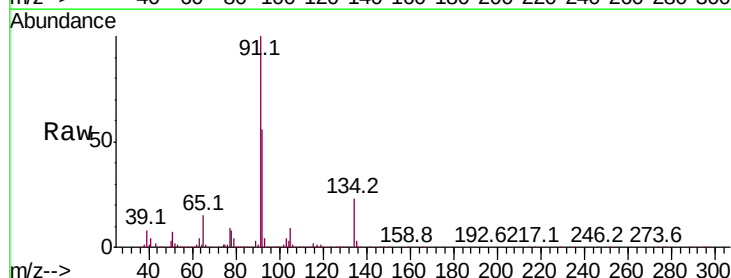
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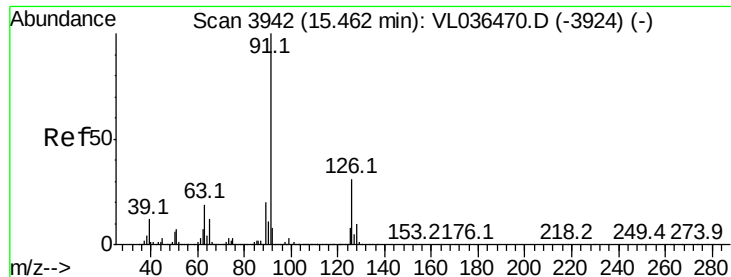
MMDadoda
 4/12/2021 11:15:10 AM



#70
 n-Butylbenzene
 Concen: 10.266 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.8
134	22.4	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.100 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3957230

Ion Ratio Lower Upper

91 100

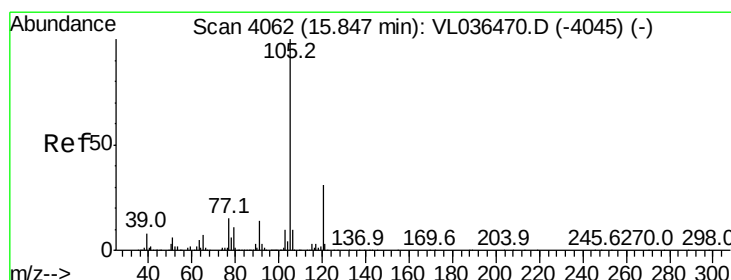
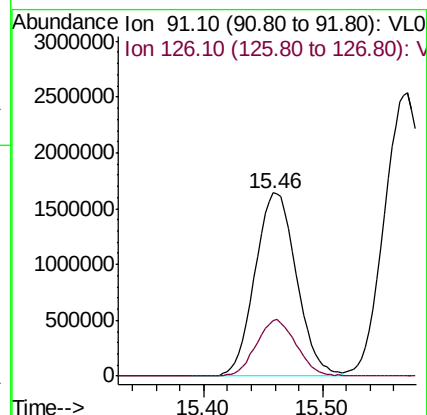
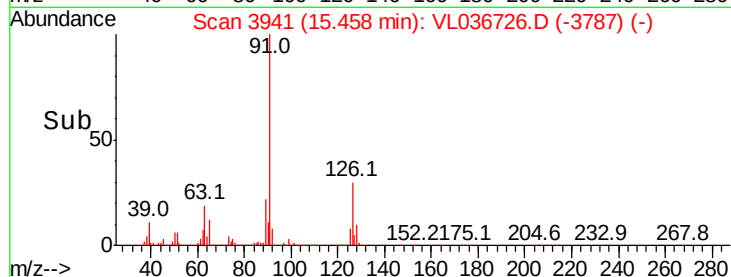
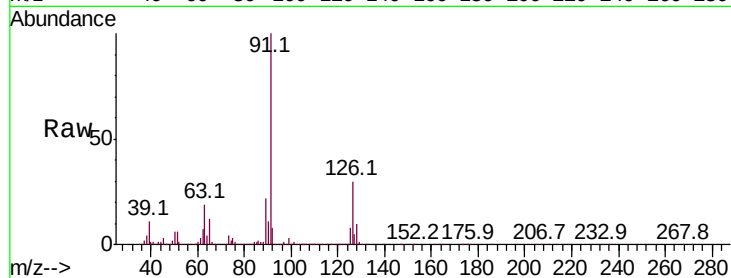
126 30.1 12.1 48.5

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#72

4-Ethyltoluene

Concen: 10.450 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion:105 Resp: 4445981

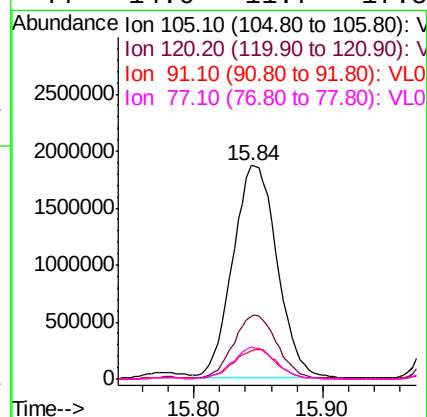
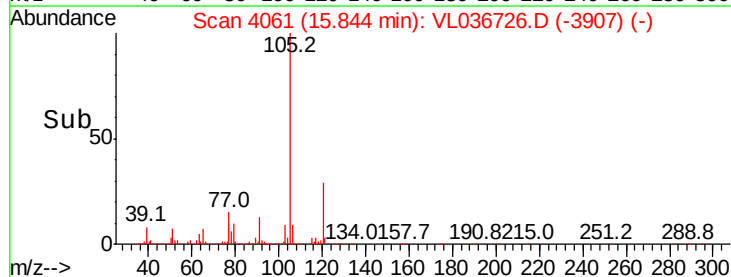
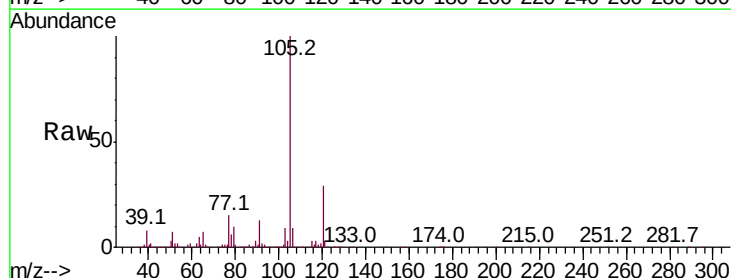
Ion Ratio Lower Upper

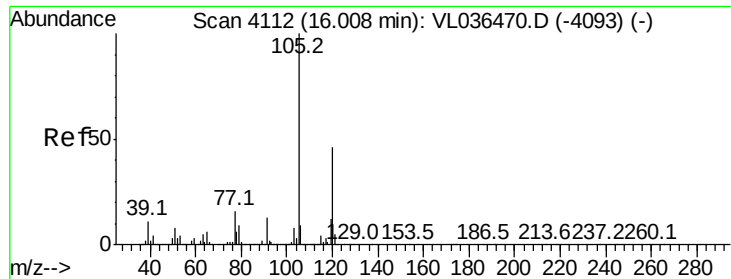
105 100

120 29.9 24.0 36.0

91 13.4 11.0 16.4

77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.223 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4059626

Ion Ratio Lower Upper

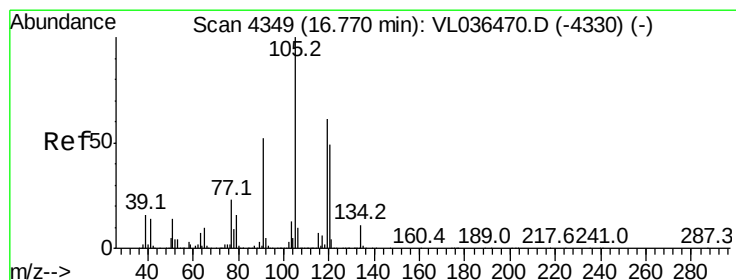
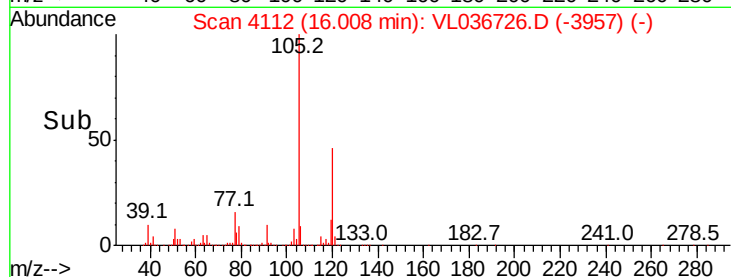
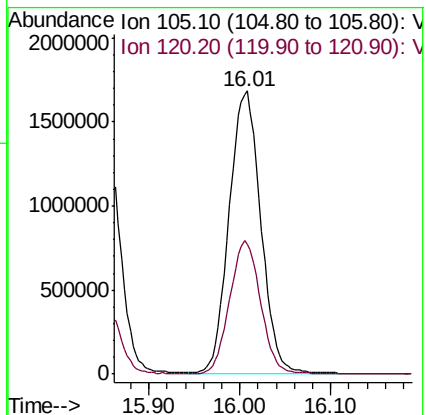
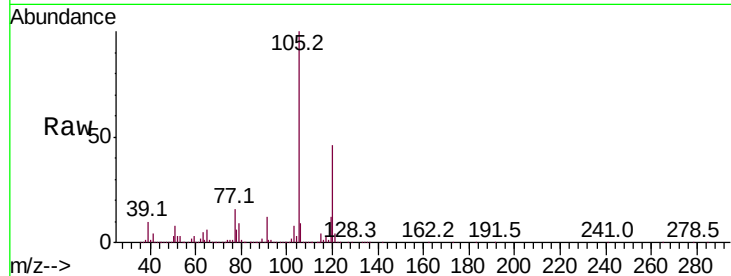
105 100

120 46.0 36.6 54.8

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#74

1,2,4-Trimethylbenzene

Concen: 9.807 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Tgt Ion:105 Resp: 4167343

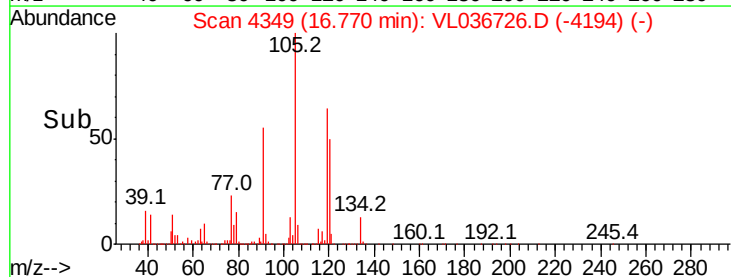
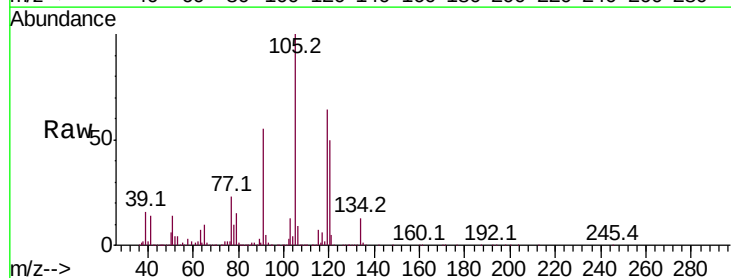
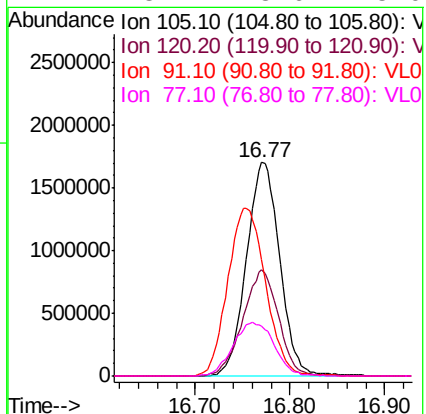
Ion Ratio Lower Upper

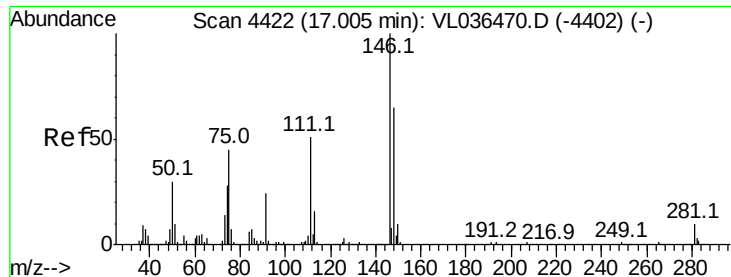
105 100

120 49.7 39.2 58.8

91 54.7 42.6 64.0

77 23.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 10.098 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion:146 Resp: 2415252

Ion Ratio Lower Upper

146 100

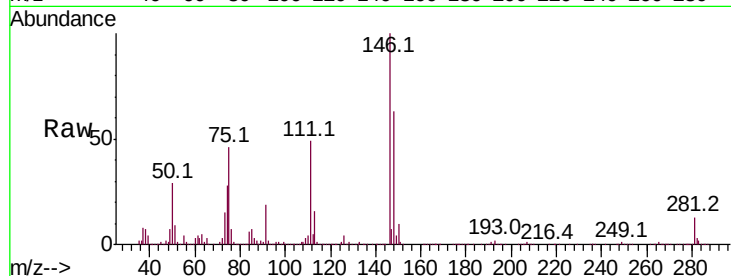
111 48.6 24.5 73.5

148 64.6 32.3 96.9

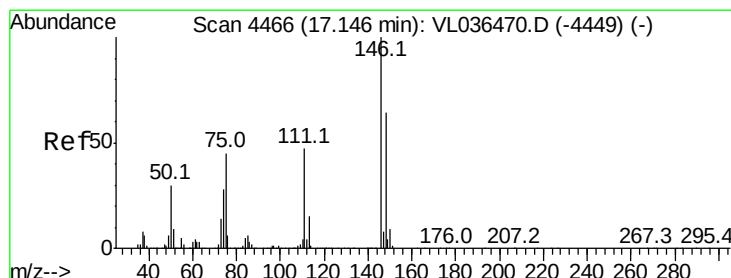
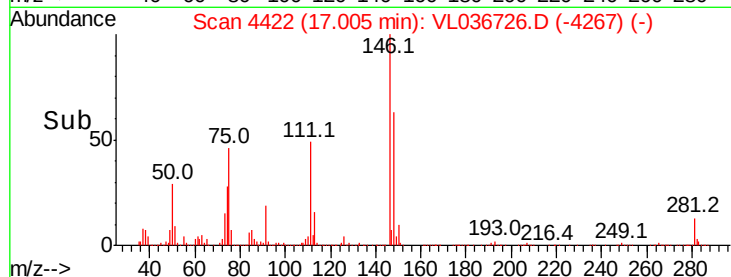
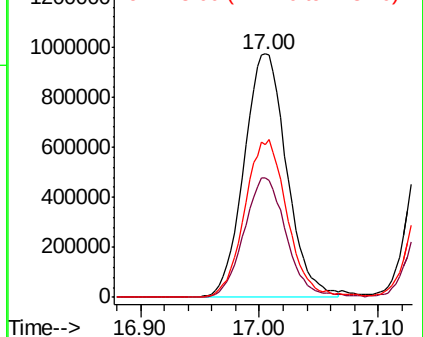
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.799 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

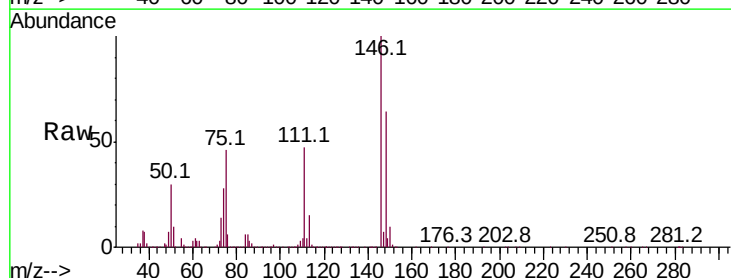
Tgt Ion:146 Resp: 2327135

Ion Ratio Lower Upper

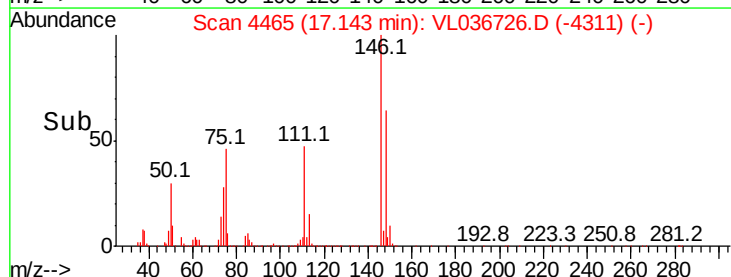
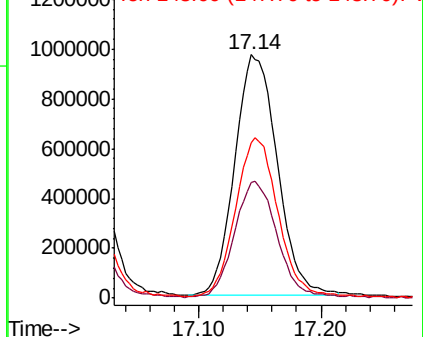
146 100

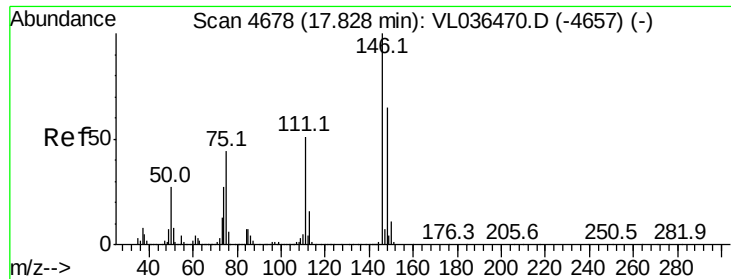
111 49.0 24.3 72.8

148 67.3 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.442 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. -0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2347782

Ion Ratio Lower Upper

146 100

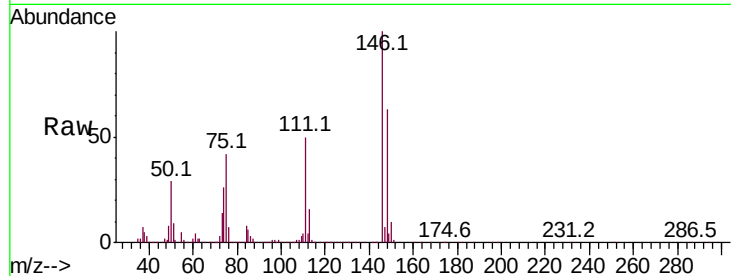
111 50.1 25.5 76.5

148 64.2 32.9 98.6

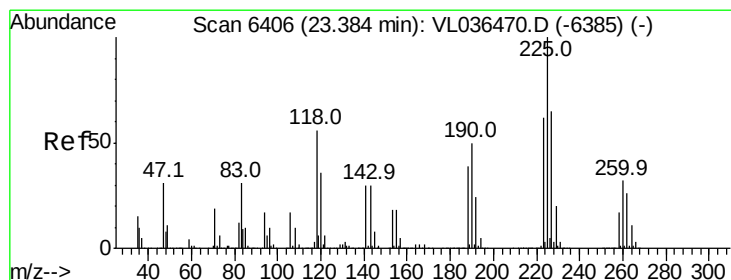
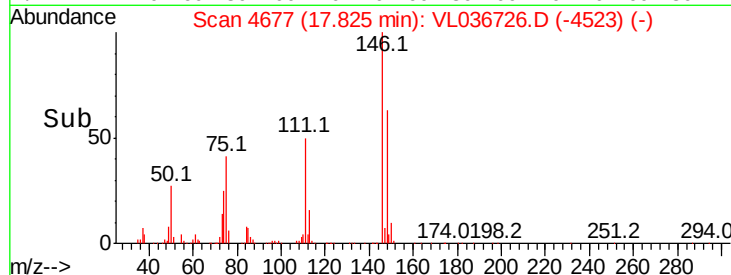
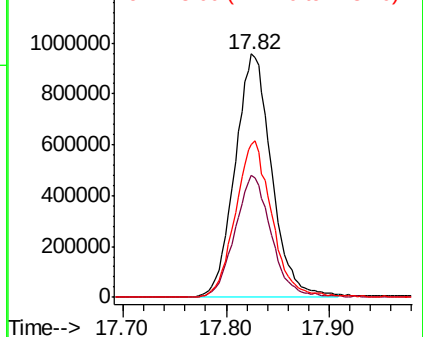
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.517 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL036726.D

Acq: 7 Apr 2021 13:20

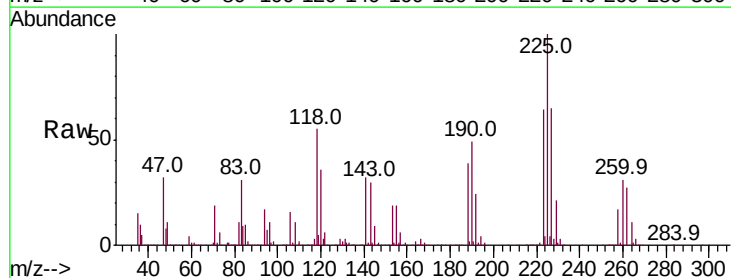
Tgt Ion:225 Resp: 1715075

Ion Ratio Lower Upper

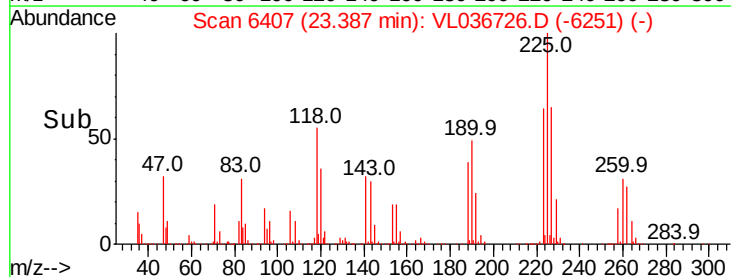
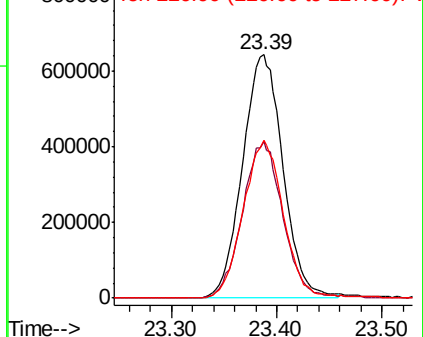
225 100

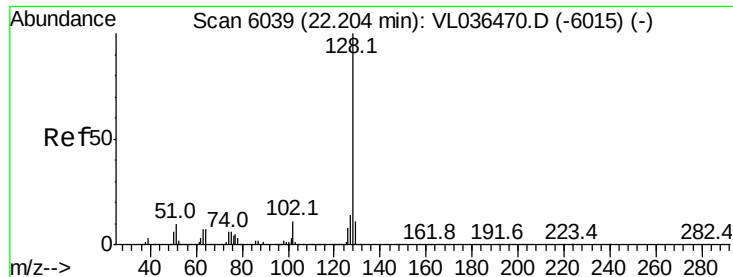
223 64.6 50.6 75.8

227 65.4 52.2 78.2



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





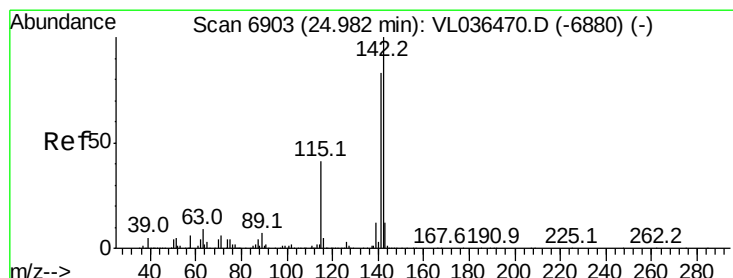
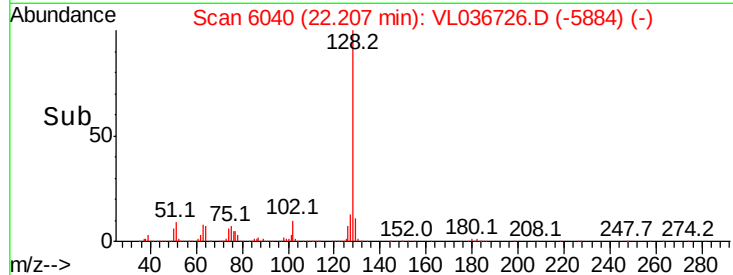
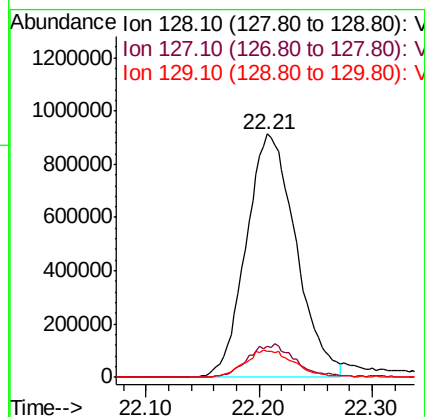
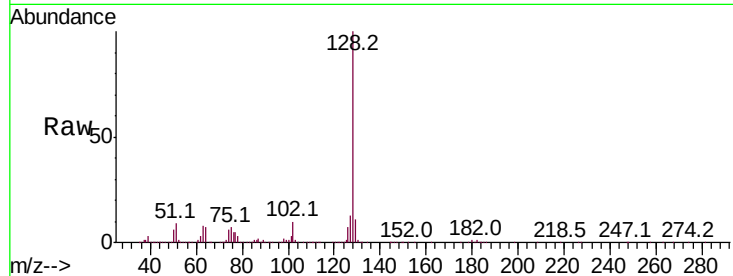
#79
Naphthalene
Concen: 11.213 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. 0.00 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128	Resp: 2780409
Ion Ratio	Lower Upper
128 100	
127 12.5	10.9 16.3
129 10.8	9.0 13.4

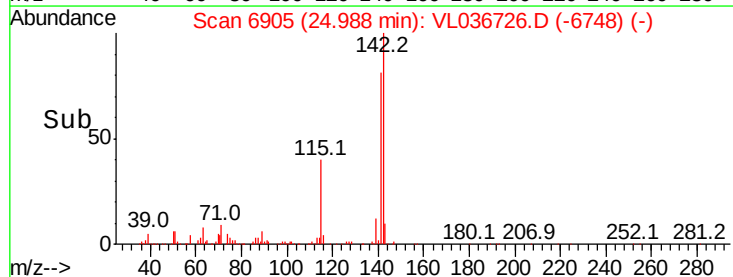
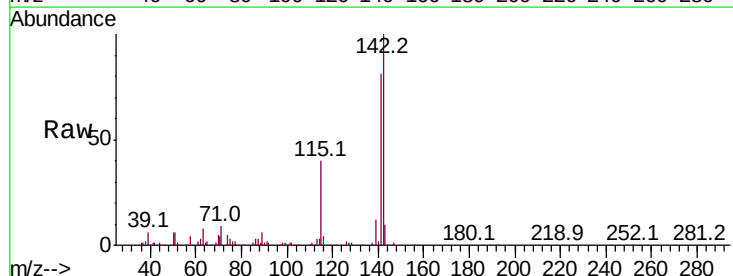
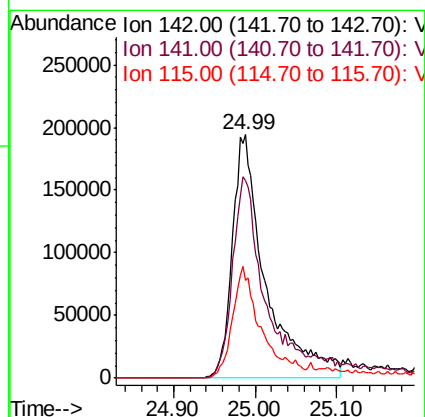
Manual Integrations
APPROVED

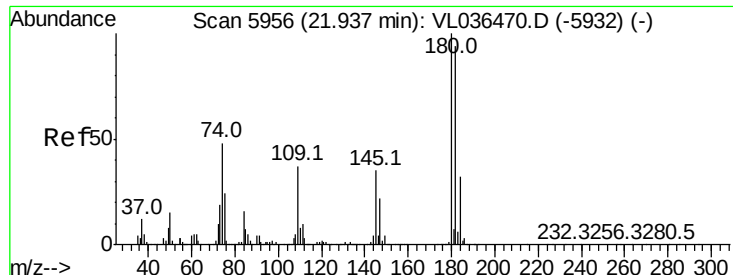
MMDadoda
4/12/2021 11:15:10 AM



#80
Naphthalene, 2-methyl-
Concen: 11.397 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL036726.D
Acq: 7 Apr 2021 13:20

Tgt Ion:142	Resp: 557297
Ion Ratio	Lower Upper
142 100	
141 92.3	67.8 101.8
115 42.8	34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.609 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. -0.00 min
 Lab File: VL036726.D
 Acq: 7 Apr 2021 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	80.8	121.2
184	31.4	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:10 AM

