

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036679.D
 Acq On : 5 Apr 2021 18:09
 Operator : SY/AP
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:13:55 PM

Quant Time: Apr 06 02:38:26 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	1400458	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3600015	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3355132m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2763388	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1915525	8.386	ppbv 97
3) Chlorodifluoromethane	2.99	51	2262492	8.647	ppbv 100
4) Chloromethane	3.14	50	728362	7.881	ppbv 98
5) Vinyl Chloride	3.26	62	713605	7.509	ppbv 98
6) Bromomethane	3.48	94	377762	7.220	ppbv 99
7) Chloroethane	3.56	64	247699	7.585	ppbv 92
8) Dichlorotetrafluoroethane	3.19	85	1753189	8.042	ppbv 95
9) Propene	3.01	41	684613	8.207	ppbv 98
10) Heptane	8.13	43	1785465	8.402	ppbv 99
11) Trichlorofluoromethane	3.96	101	1791736	7.697	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1196729	8.041	ppbv 99
13) Ethanol	3.62	45	64106	6.454	ppbv 87
14) Bromoethene	3.74	108	487612	7.881	ppbv 99
15) Acetone	3.86	43	958251	6.952	ppbv 100
16) 1,3-Butadiene	3.33	39	837876	8.731	ppbv 90
17) tert-Butyl alcohol	4.30	59	924421	7.704	ppbv 97
18) 1,1-Dichloroethene	4.29	96	513858	7.762	ppbv 95
19) Isopropyl Alcohol	3.98	45	534493	7.049	ppbv 100
20) Methylene Chloride	4.35	84	454790	7.047	ppbv 99
21) Allyl Chloride	4.42	41	764585	6.958	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	502652	8.190	ppbv 93
23) Vinyl Acetate	5.08	43	1892029	8.025	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1420860	8.268	ppbv 98
25) Ethyl Acetate	5.69	43	2668537	8.143	ppbv 99
26) Hexane	5.70	57	1268817	8.343	ppbv 98
27) Carbon Disulfide	4.56	76	1224671	8.175	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1425221	7.947	ppbv 99
29) Chloroform	5.76	83	2015352	8.287	ppbv 100
30) Cyclohexane	7.14	84	1076945	8.732	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1238231	8.418	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2046738	8.351	ppbv 99
34) 2-Butanone	5.25	43	1244548	7.082	ppbv 99
35) Carbon Tetrachloride	7.03	117	2140933	7.743	ppbv 99
36) Benzene	6.90	78	2655395	7.998	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1514317	7.749	ppbv 99
38) Trichloroethene	7.85	130	978091	7.570	ppbv 95
39) 1,2-Dichloropropane	7.63	63	1049685	7.794	ppbv 99
40) 1,4-Dioxane	7.84	88	221297	7.060	ppbv 76
41) Tetrahydrofuran	6.06	42	528105	6.518	ppbv 92
42) Bromodichloromethane	7.80	83	2128389	8.007	ppbv 98
43) Methyl Methacrylate	8.02	69	1006622	9.029	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4537007	7.764	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	621167	4.879	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	789270	4.850	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	1090259	7.992	ppbv	98
48) Dibromochloromethane	10.32	129	1789500	8.605	ppbv	99
49) Bromoform	13.06	173	1473272	8.793	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1968567	7.742	ppbv	99
51) 2-Hexanone	10.15	43	1023219	7.974	ppbv #	98
52) Tetrachloroethene	11.24	164	928133	7.591	ppbv	96
53) Toluene	9.82	91	2986459	8.446	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1537397	7.980	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1284759	8.466	ppbv #	54
57) Chlorobenzene	12.16	112	2265304	7.935	ppbv	97
58) Ethyl Benzene	12.73	91	4108673	8.417	ppbv	99
59) m/p-Xylene	13.01	91	7011998m	16.470	ppbv	
60) o-Xylene	13.71	91	3301445	8.020	ppbv	100
61) Styrene	13.54	104	1774348	8.567	ppbv	99
62) Isopropylbenzene	14.68	105	4656376	8.399	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2367422	7.539	ppbv	99
64) n-propylbenzene	15.58	120	1222292	9.018	ppbv	98
65) tert-Butylbenzene	16.76	119	4046649	8.418	ppbv	99
66) Benzyl Chloride	17.01	91	311230	5.857	ppbv	99
67) sec-Butylbenzene	17.31	105	5688564	8.383	ppbv	100
69) p-Isopropyltoluene	17.67	119	4776251	9.014	ppbv	98
70) n-Butylbenzene	18.57	91	4815282	8.765	ppbv	99
71) 2-Chlorotoluene	15.47	91	3544334	8.532	ppbv	99
72) 4-Ethyltoluene	15.85	105	3924601	8.700	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3554140	8.442	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	3705061	8.223	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2145945	8.462	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2068969	8.217	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2082387	8.736	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1642713	7.695	ppbv	99
79) Naphthalene	22.22	128	2358475	8.971	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	255619	4.931	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	1423926	8.772	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

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ClientSampleId :

VL0405ABS01

Tot Ion: 49 Resp: 1400458

Ion Ratio Lower Upper

49 100

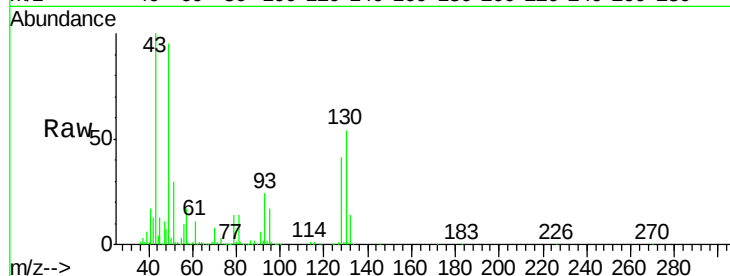
128 49.6 23.5 70.6

130 60.8 29.1 87.4

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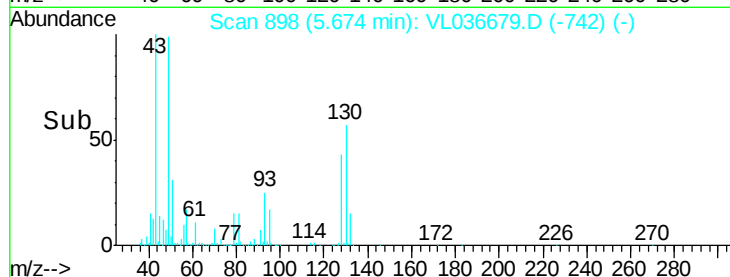
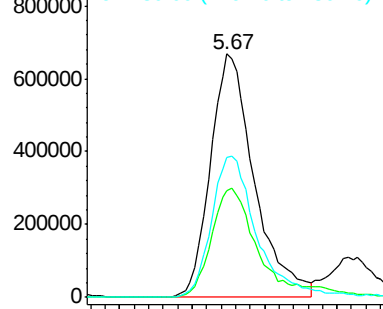
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.386 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036679.D

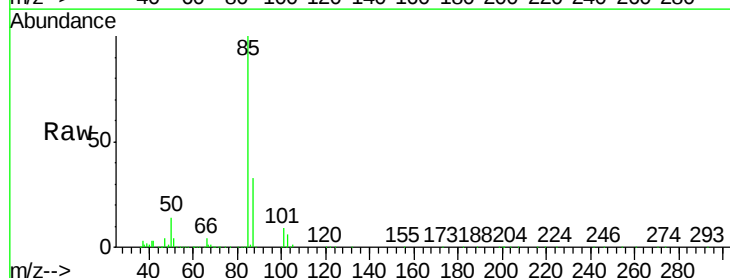
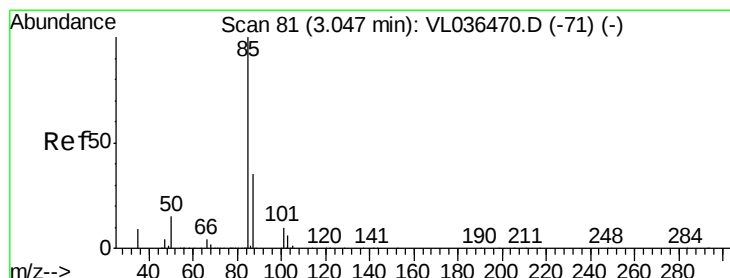
Acq: 5 Apr 2021 18:09

Tgt Ion: 85 Resp: 1915525

Ion Ratio Lower Upper

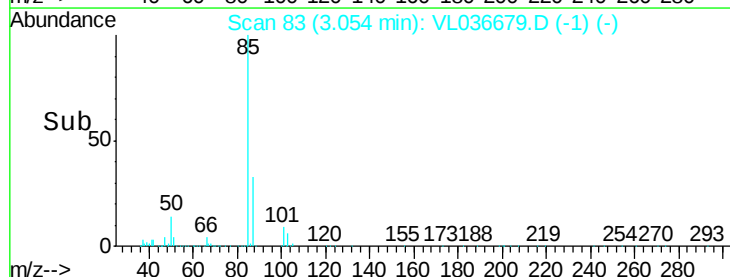
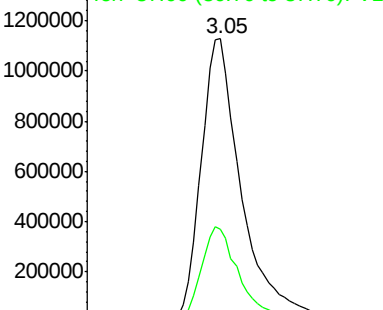
85 100

87 32.9 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: 8.647 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tot Ion: 51 Resp: 2262492

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1

Instrument :

MSVOA_L

ClientSampleId :

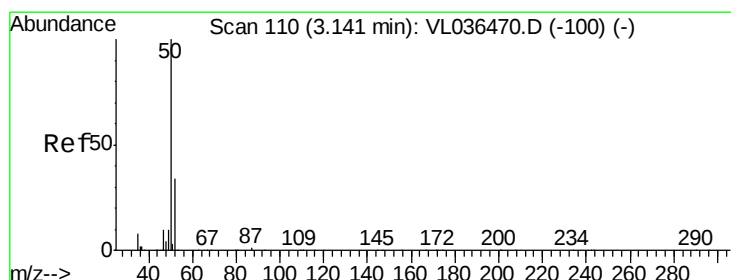
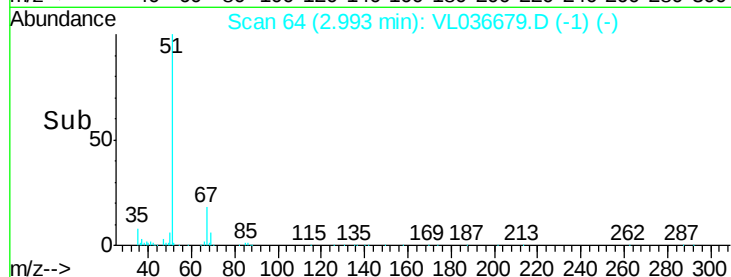
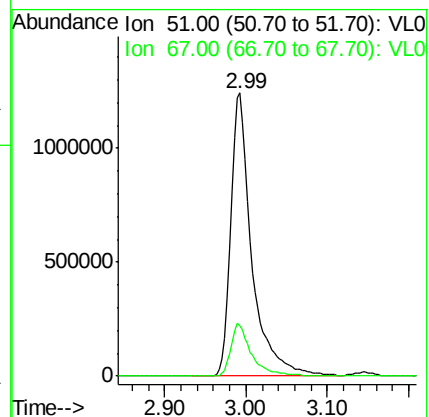
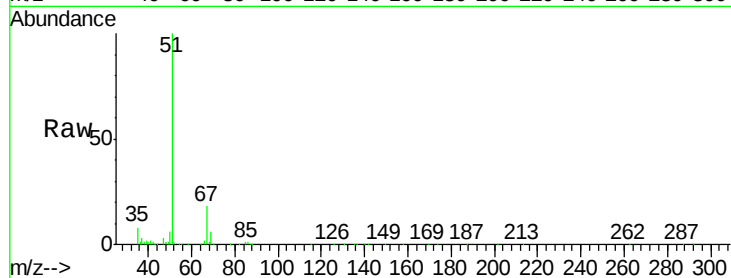
VL0405ABS01

Manual Integrations

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#4

Chloromethane

Concen: 7.881 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036679.D

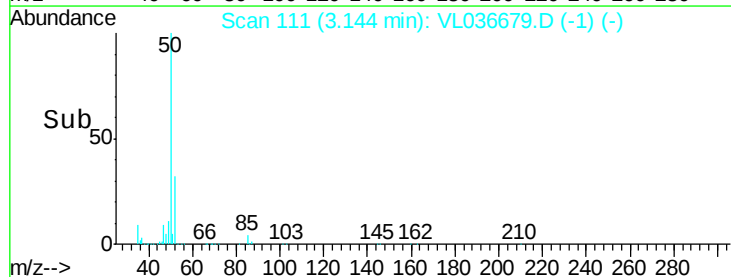
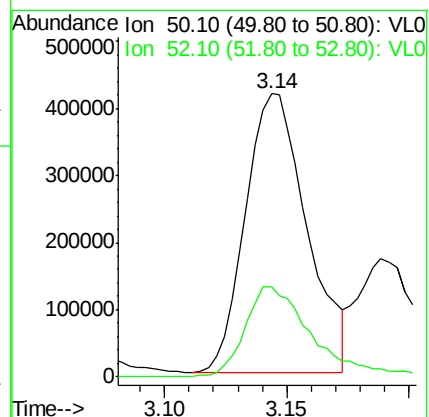
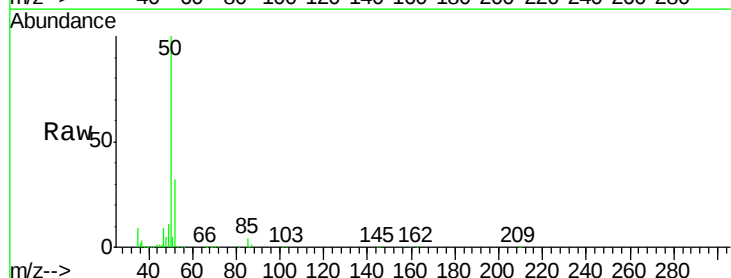
Acq: 5 Apr 2021 18:09

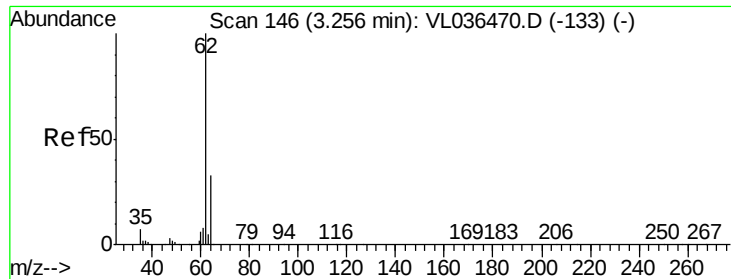
Tgt Ion: 50 Resp: 728362

Ion Ratio Lower Upper

50 100

52 32.5 27.0 40.6





#5

Vinyl Chloride

Concen: 7.509 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 62 Resp: 713605

Ion Ratio Lower Upper

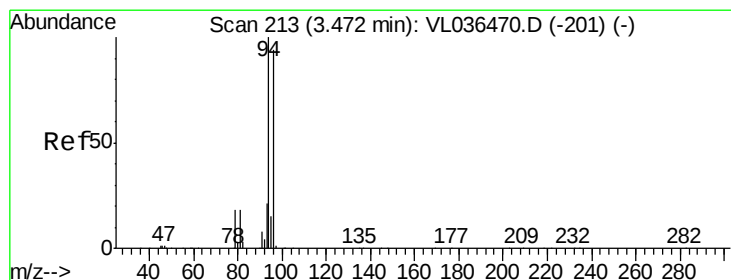
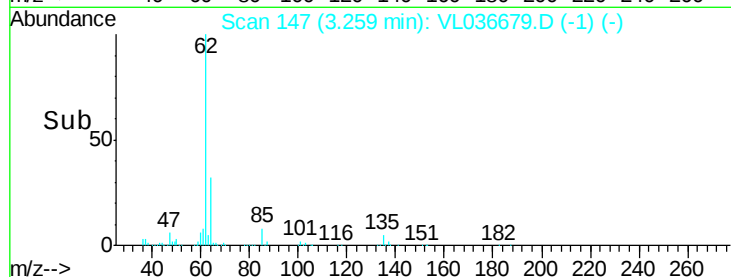
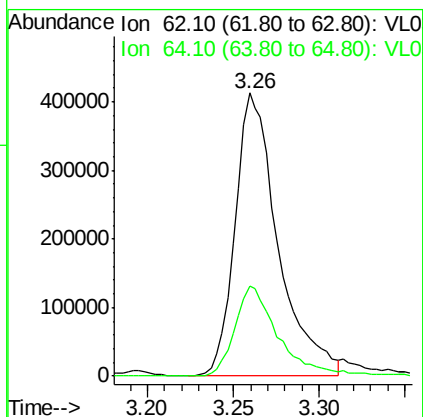
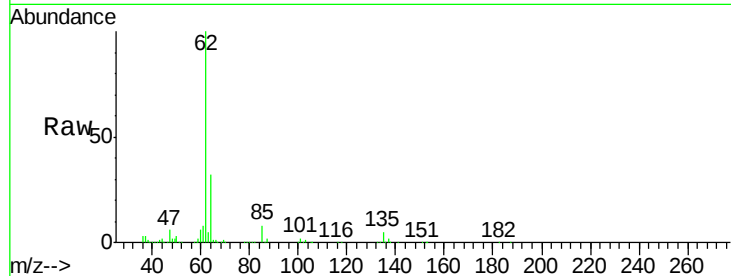
62 100

64 32.1 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 7.220 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL036679.D

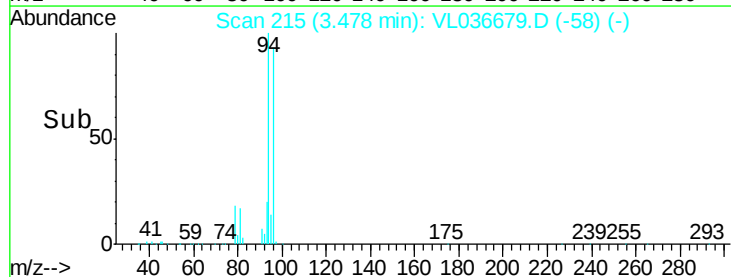
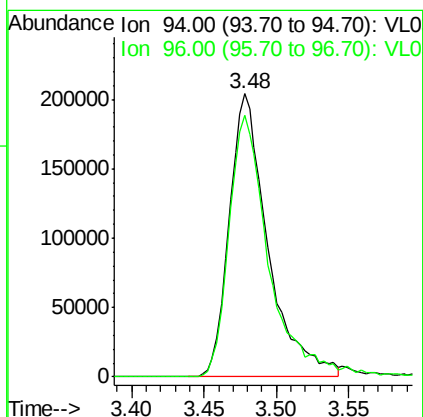
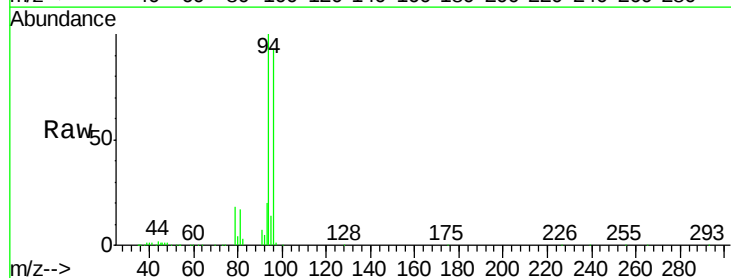
Acq: 5 Apr 2021 18:09

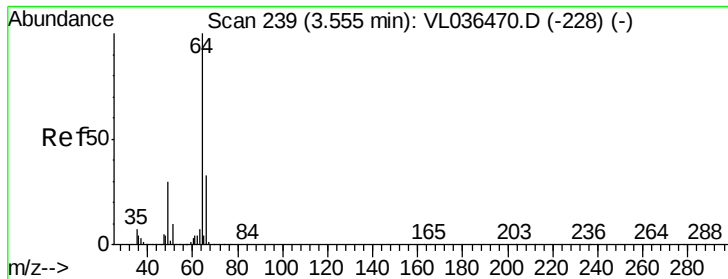
Tgt Ion: 94 Resp: 377762

Ion Ratio Lower Upper

94 100

96 92.5 74.9 112.3





#7

Chloroethane

Concen: 7.585 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 64 Resp: 247699

Ion Ratio Lower Upper

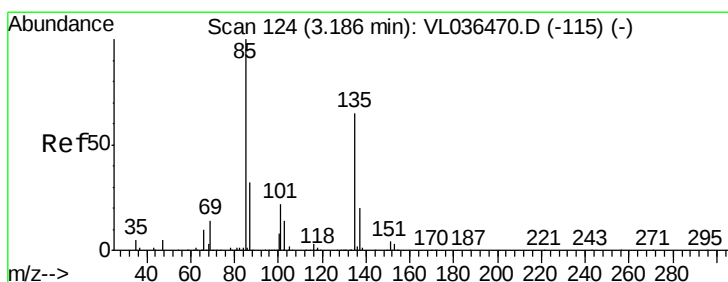
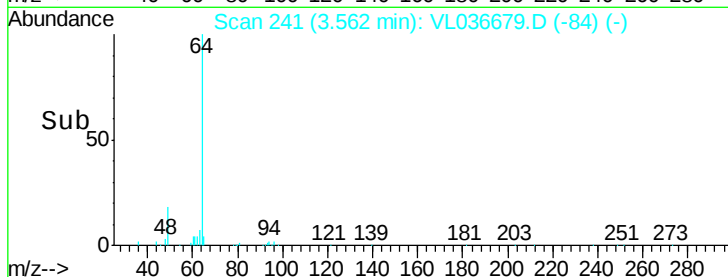
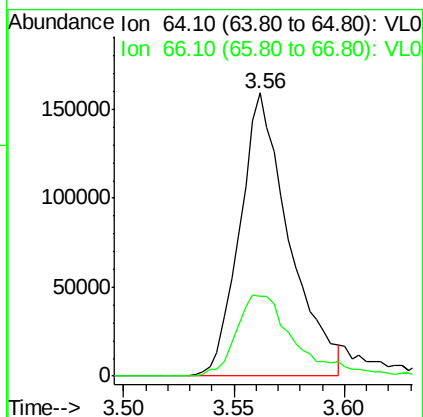
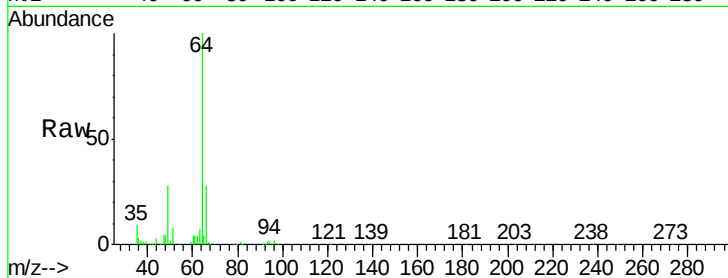
64 100

66 28.0 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 8.042 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036679.D

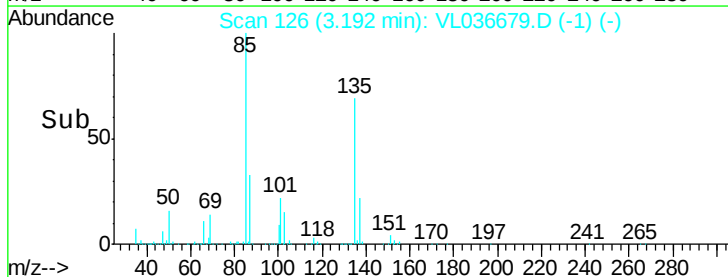
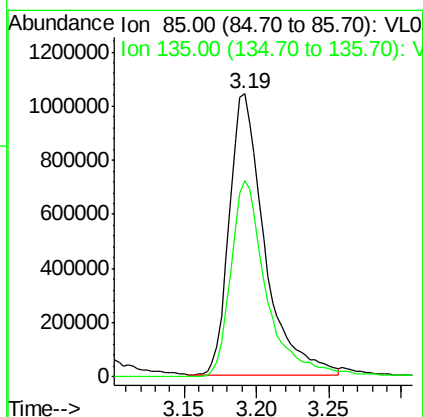
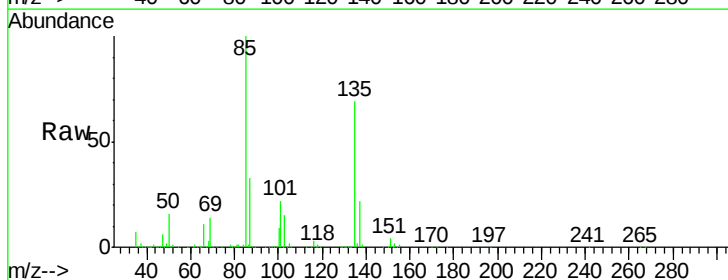
Acq: 5 Apr 2021 18:09

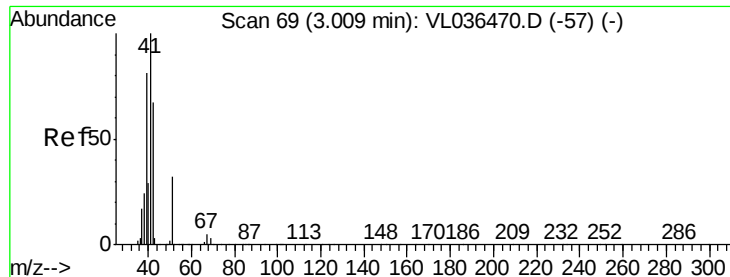
Tgt Ion: 85 Resp: 1753189

Ion Ratio Lower Upper

85 100

135 71.7 54.3 81.5





#9

Propene

Concen: 8.207 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

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VL0405ABS01

Tot Ion: 41 Resp: 684613

Ion Ratio Lower Upper

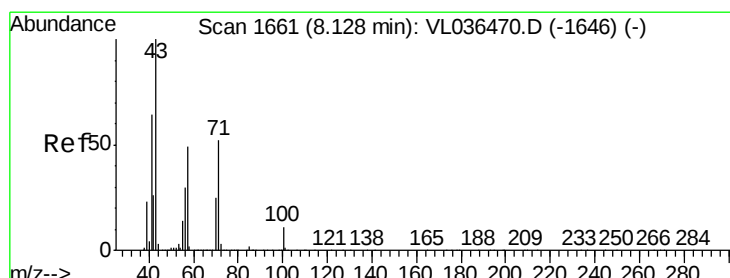
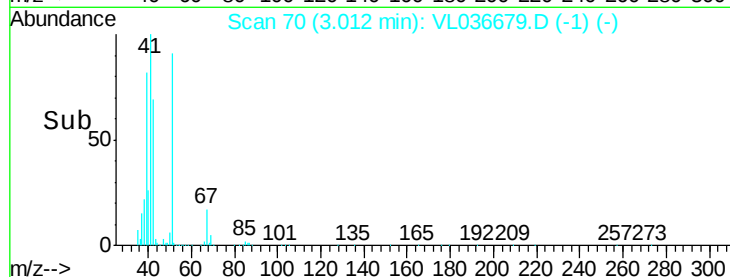
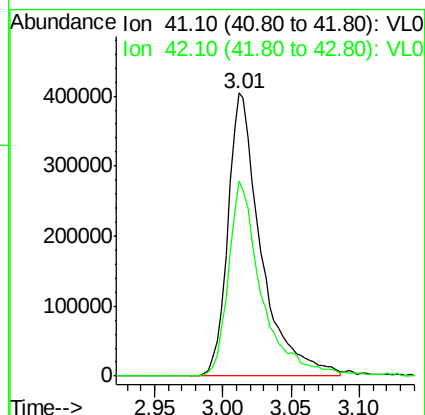
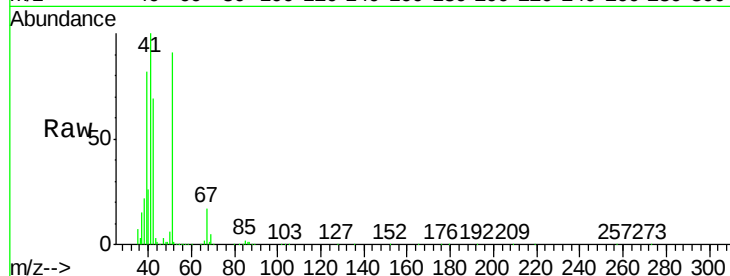
41 100

42 69.8 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 8.402 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL036679.D

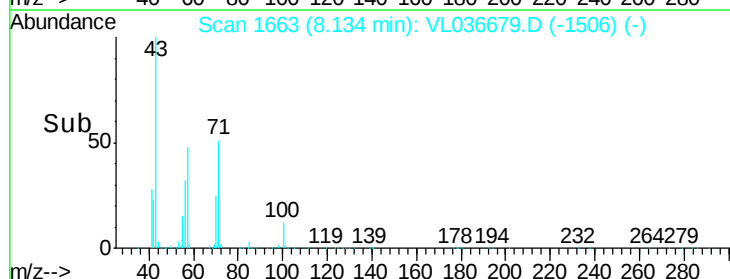
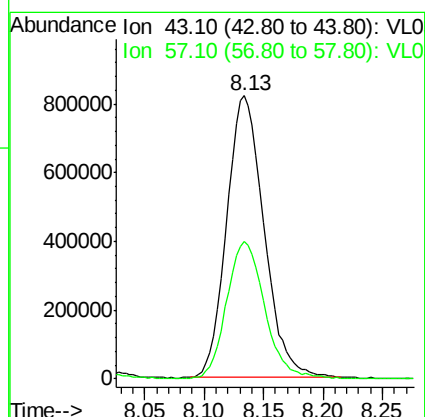
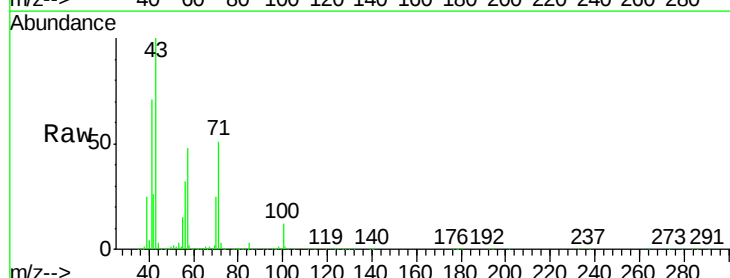
Acq: 5 Apr 2021 18:09

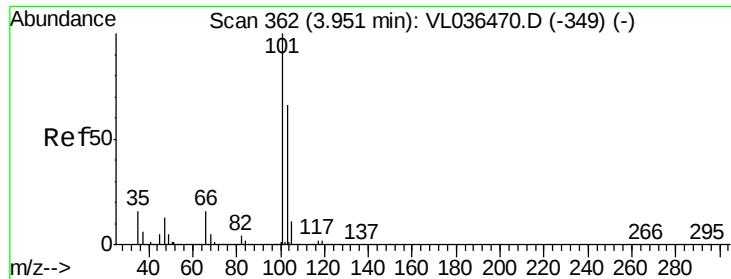
Tgt Ion: 43 Resp: 1785465

Ion Ratio Lower Upper

43 100

57 49.7 39.0 58.6





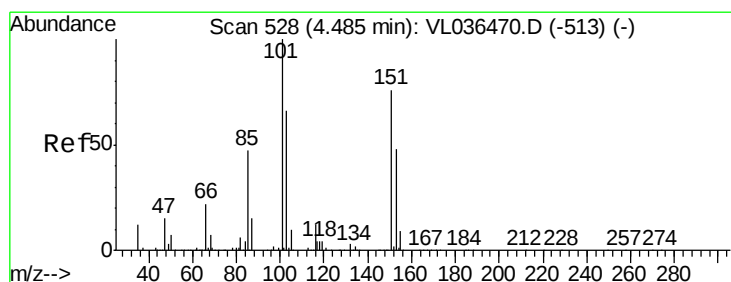
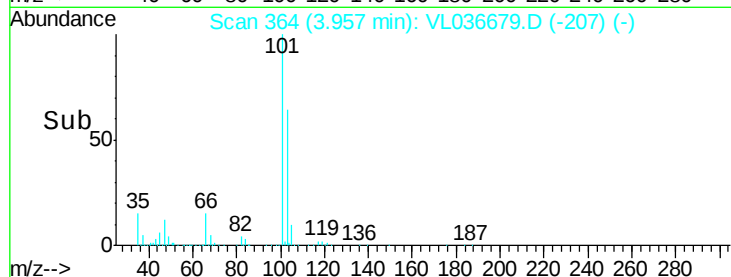
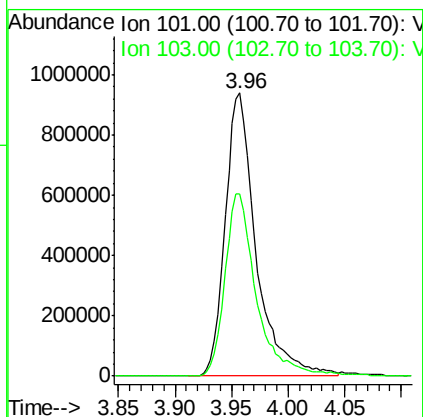
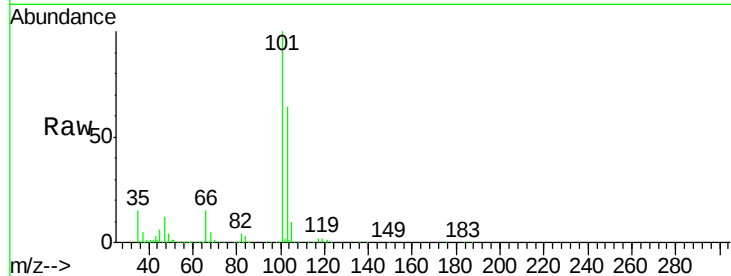
#11
 Trichlorofluoromethane
 Concen: 7.697 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion:101 Resp: 1791736
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.5 78.7

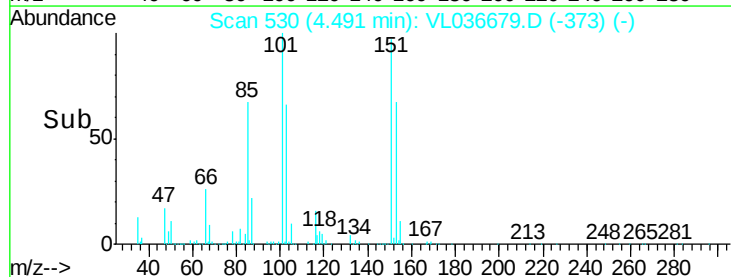
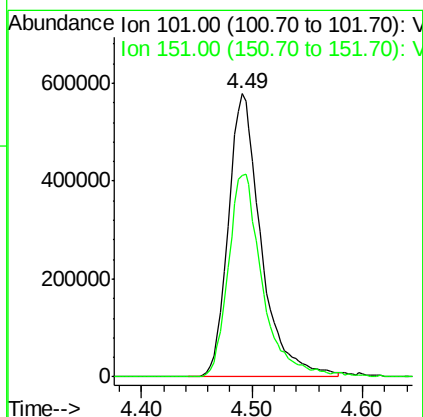
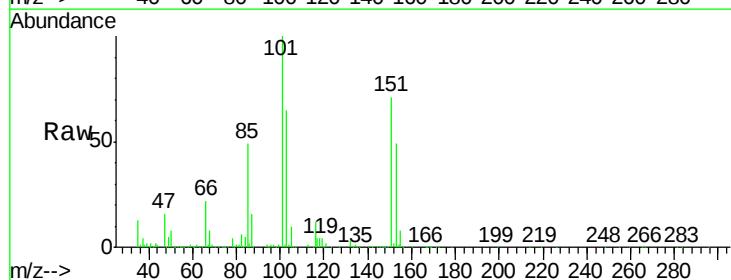
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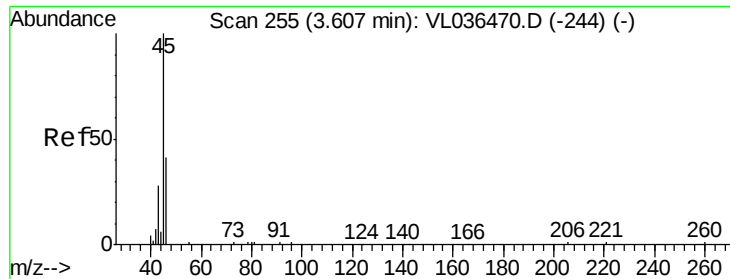
MMDadoda
 4/6/2021 5:13:55 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.041 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion:101 Resp: 1196729
 Ion Ratio Lower Upper
 101 100
 151 74.9 60.9 91.3





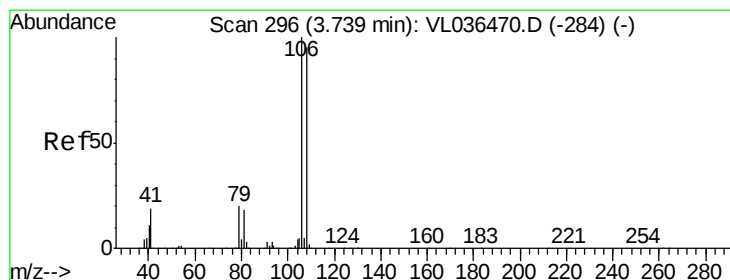
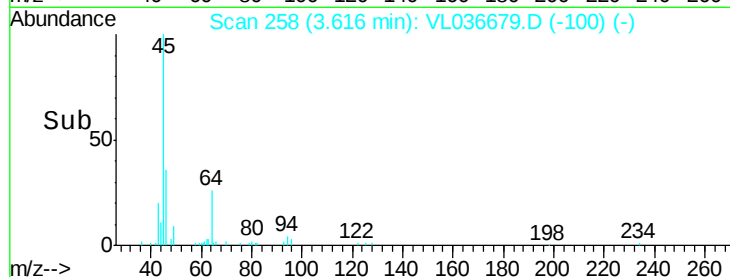
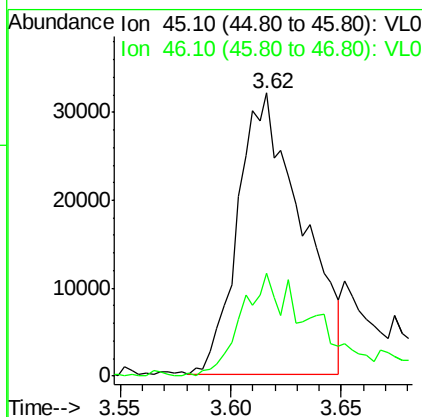
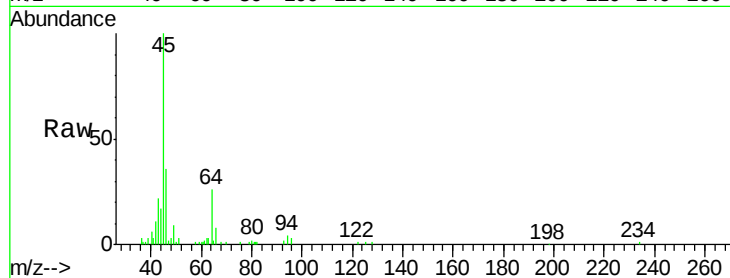
#13
Ethanol
Concen: 6.454 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	45	Ratio	Lower	Upper
45	100			
46	49.7	16.6	66.2	

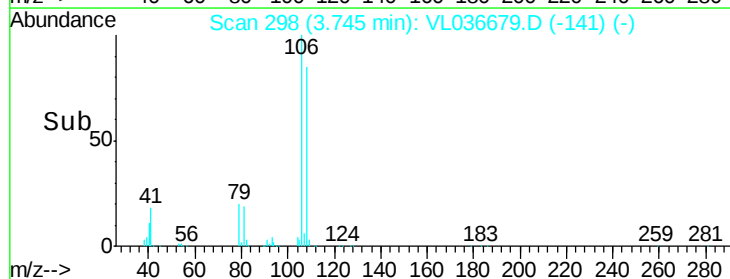
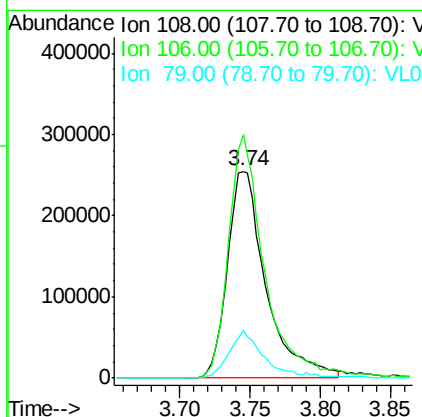
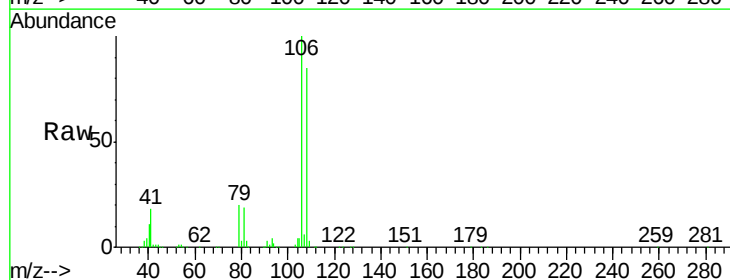
Manual Integrations
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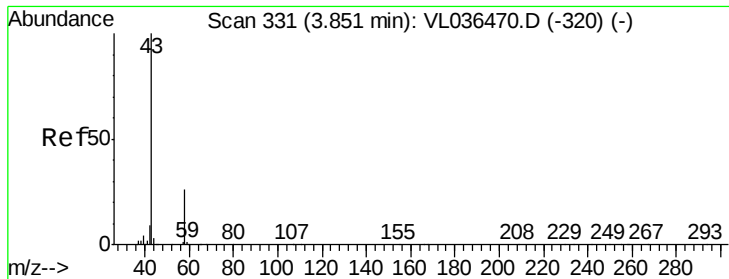
MMDadoda
4/6/2021 5:13:55 PM



#14
Bromoethene
Concen: 7.881 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	112.1	89.0	133.6	
79	21.8	16.6	25.0	





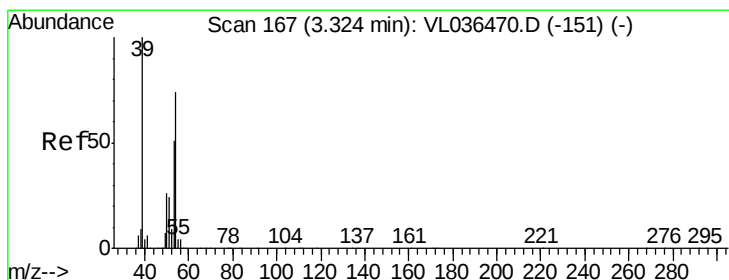
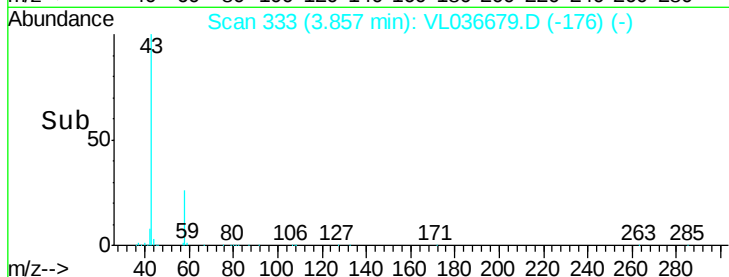
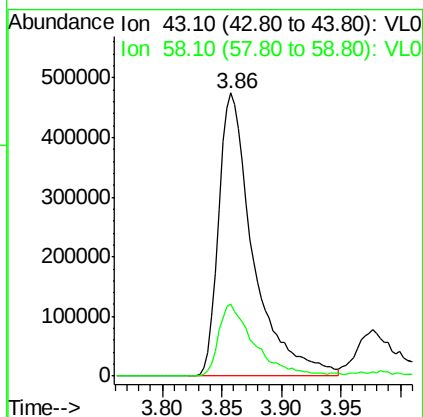
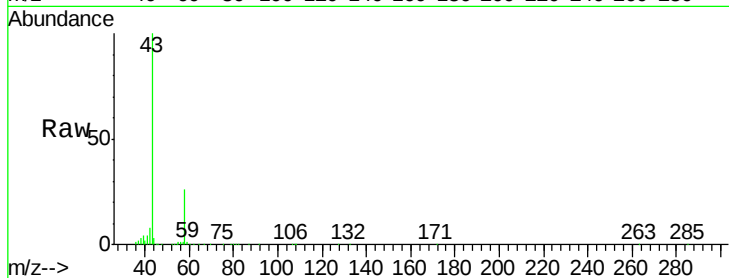
#15
Acetone
Concen: 6.952 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8

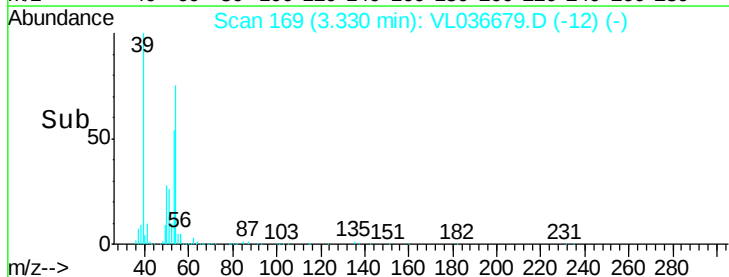
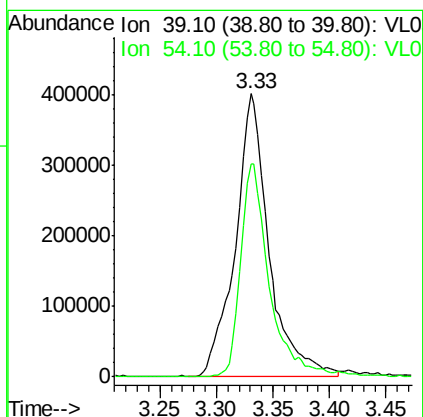
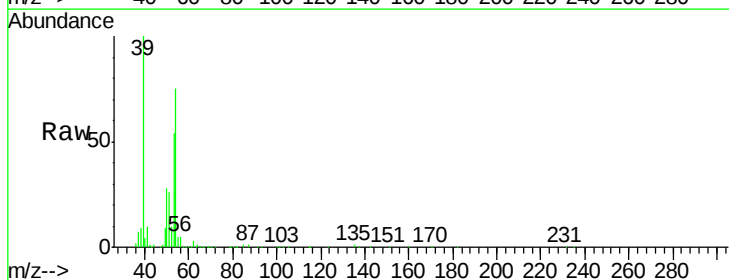
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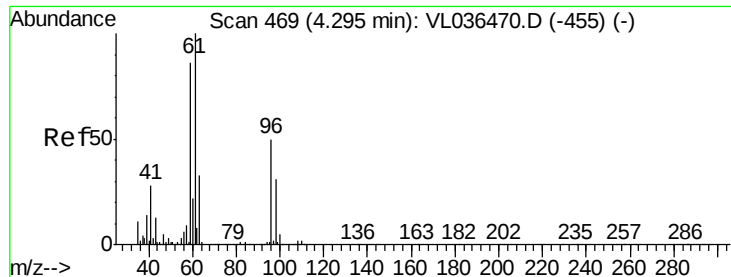
MMDadoda
4/6/2021 5:13:55 PM



#16
1,3-Butadiene
Concen: 8.731 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
39	100		
54	65.1	58.8	88.2





#17

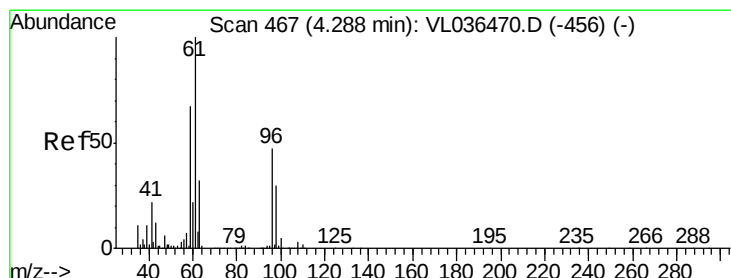
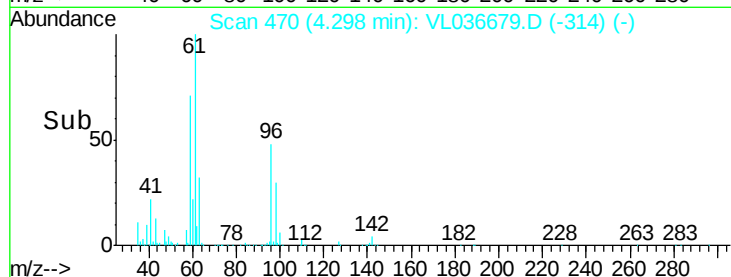
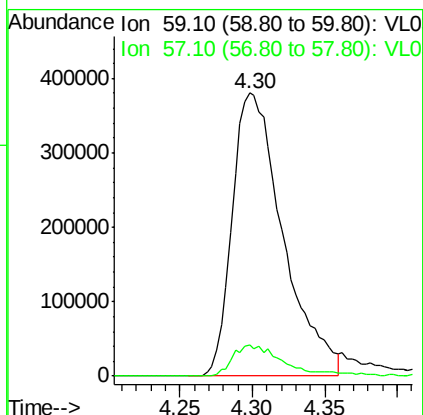
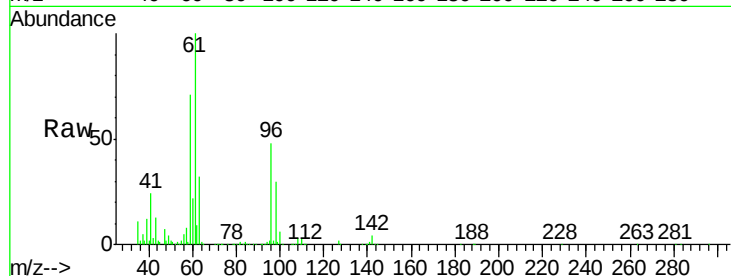
tert-Butyl alcohol
Concen: 7.704 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

Manual Integrations
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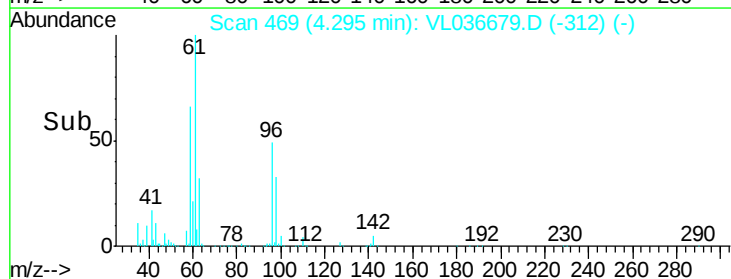
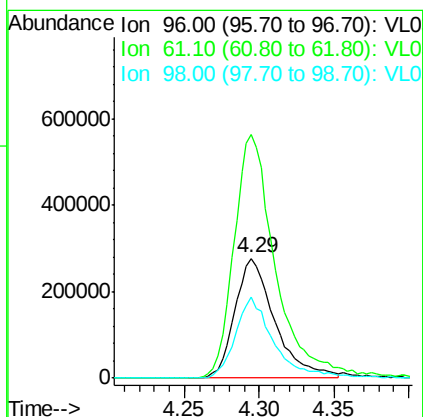
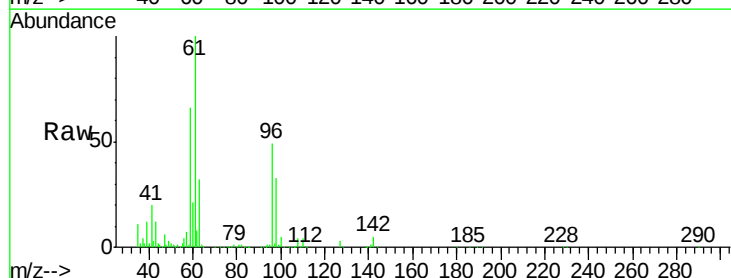
MMDadoda
4/6/2021 5:13:55 PM

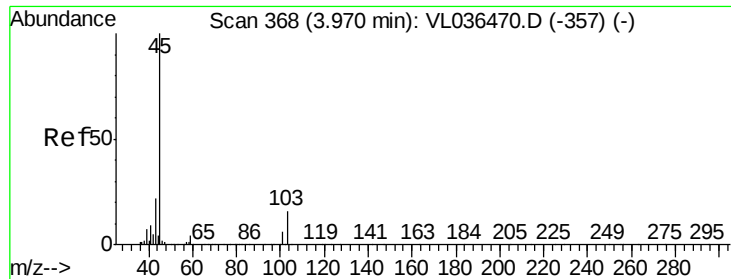


#18

1,1-Dichloroethene
Concen: 7.762 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.3	168.6	253.0
98	67.2	50.8	76.2





#19

Isopropyl Alcohol

Concen: 7.049 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleID :

VL0405ABS01

Tot Ion: 45 Resp: 534493

Ion Ratio Lower Upper

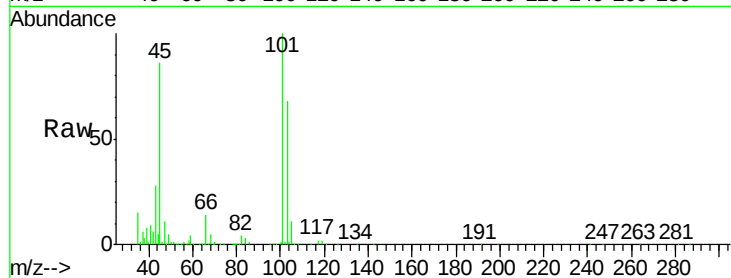
45 100

58 3.5 2.9 4.3

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

250000

200000

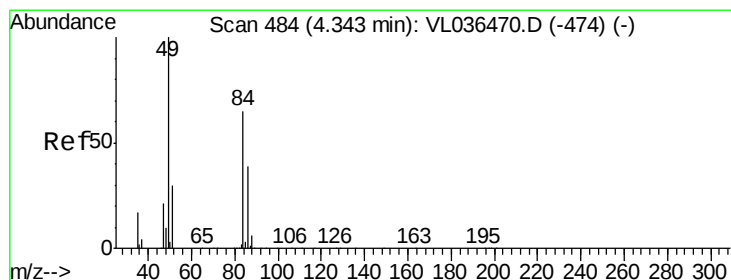
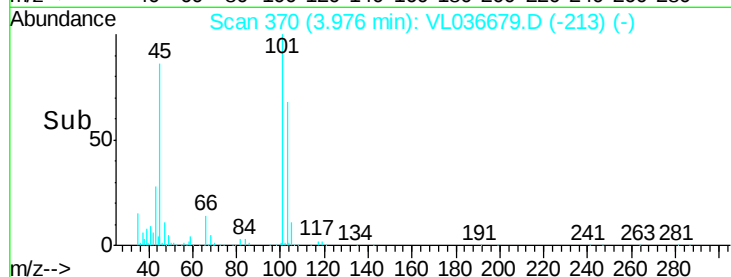
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 7.047 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 84 Resp: 454790

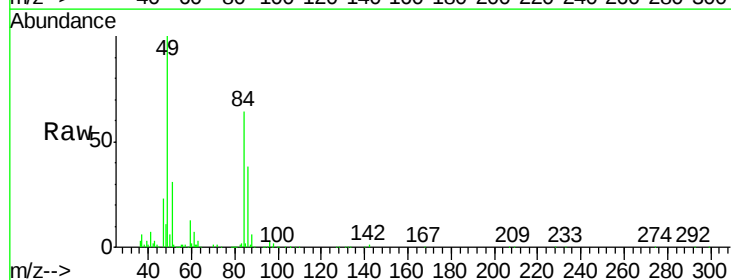
Ion Ratio Lower Upper

84 100

49 153.0 122.9 184.3

51 47.5 36.9 55.3

86 59.6 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

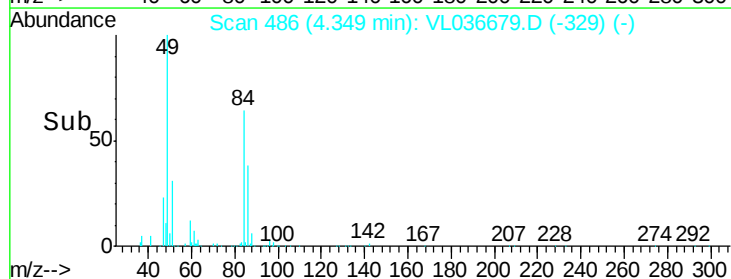
300000

200000

100000

0

Time-->





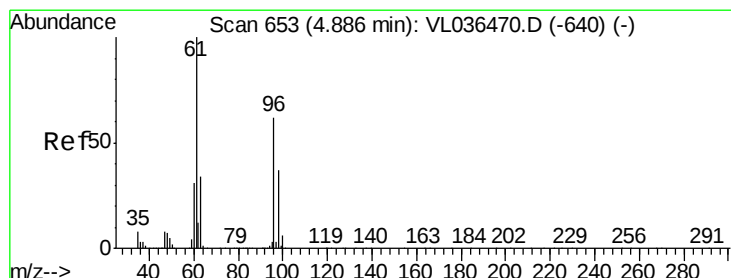
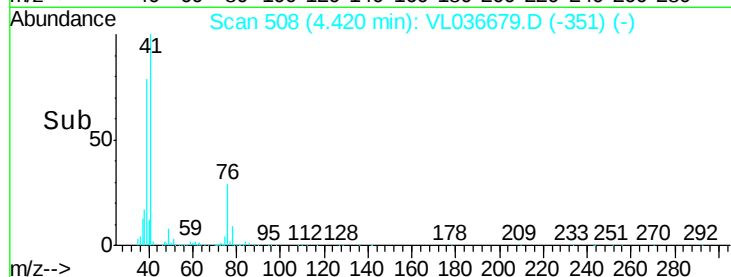
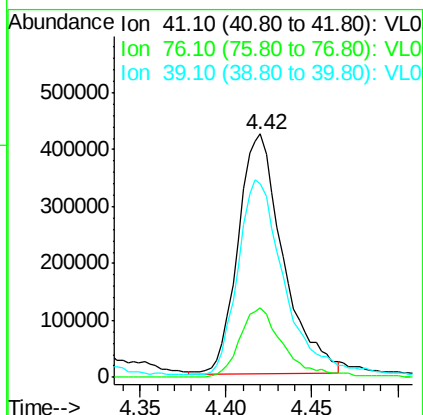
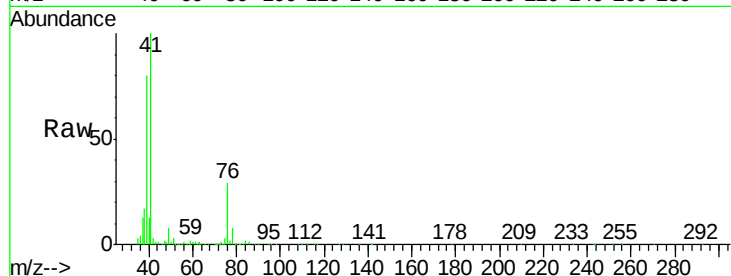
#21
Allvl Chloride
Concen: 6.958 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.9	34.3
39	87.2	67.3	100.9

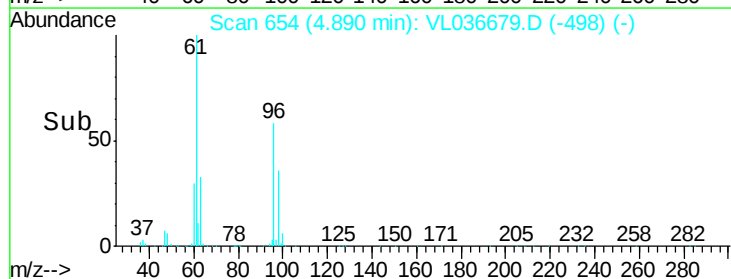
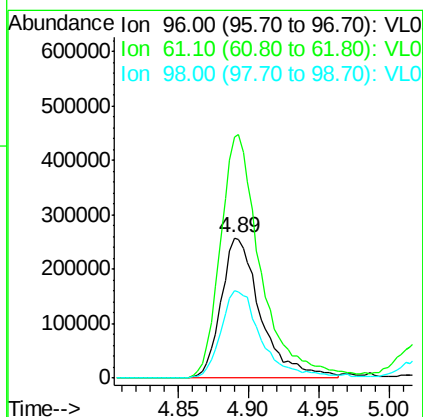
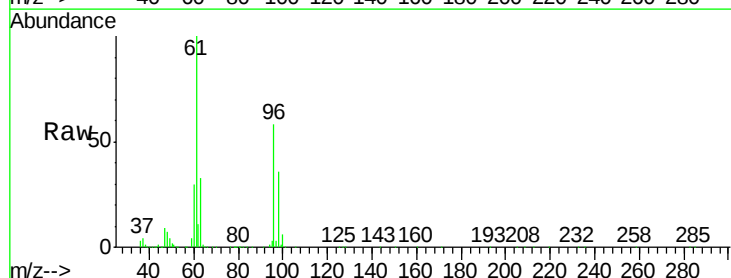
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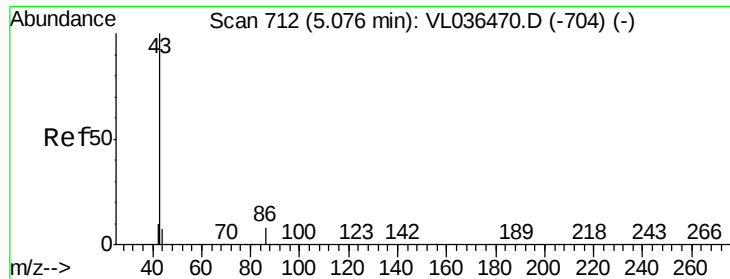
MMDadoda
4/6/2021 5:13:55 PM



#22
trans-1,2-Dichloroethene
Concen: 8.190 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.3	129.4	194.0
98	62.5	48.2	72.4





#23

Vinyl Acetate

Concen: 8.025 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 43 Resp: 1892029

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0

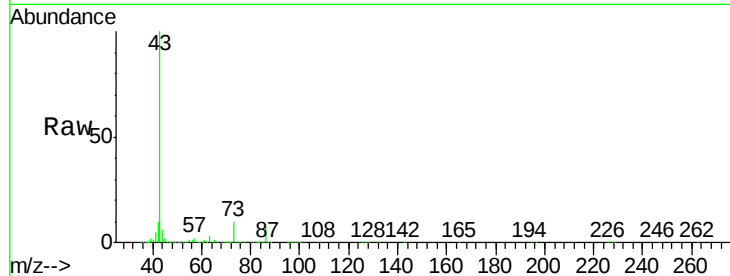
42 10.0 8.5 12.7

44 5.4 4.6 7.0

Manual Integrations
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4/6/2021 5:13:55 PM

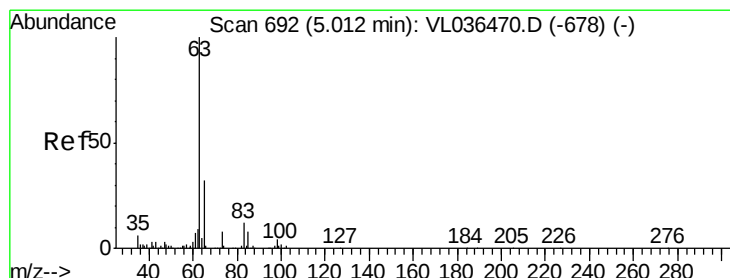
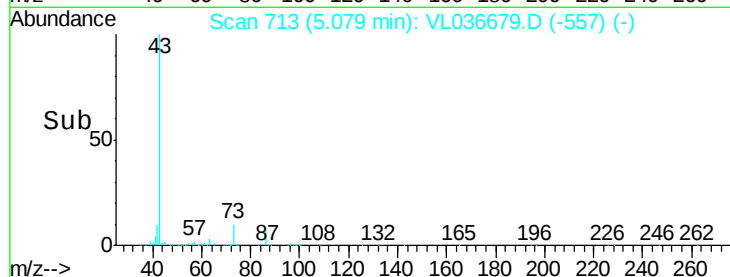
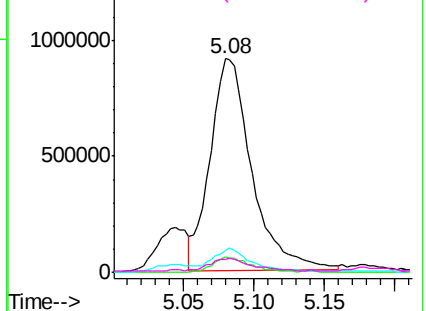


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.268 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

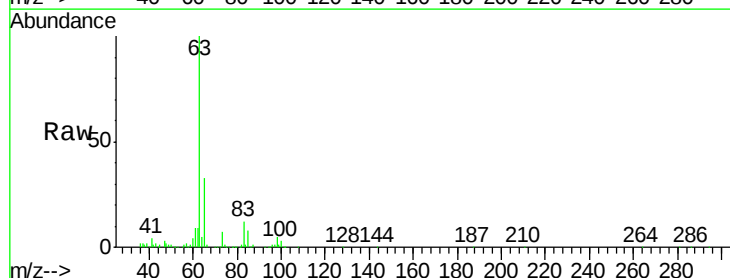
Tgt Ion: 63 Resp: 1420860

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.2

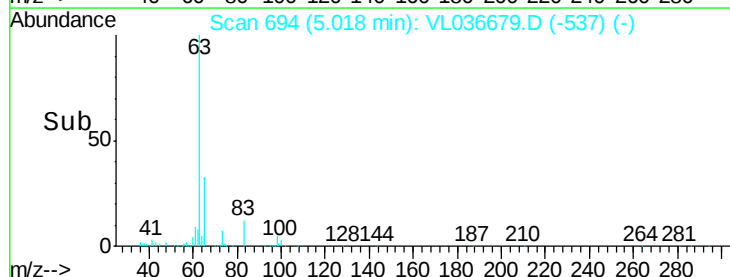
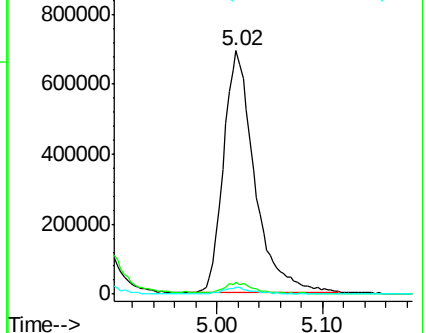
100 2.8 0.9 2.8

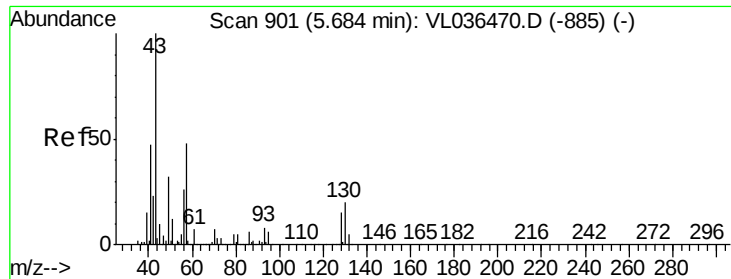


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.143 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 43 Resp: 2668537

Ion Ratio Lower Upper

43 100

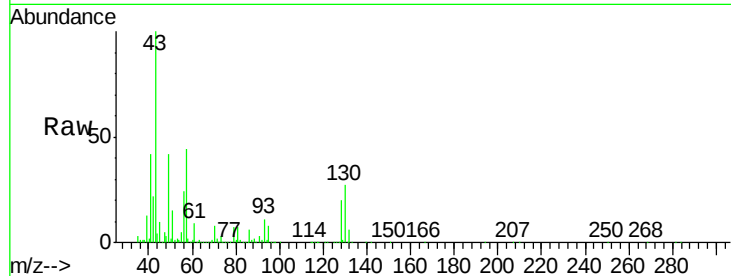
45 9.6 7.9 11.9

61 9.6 7.4 11.2

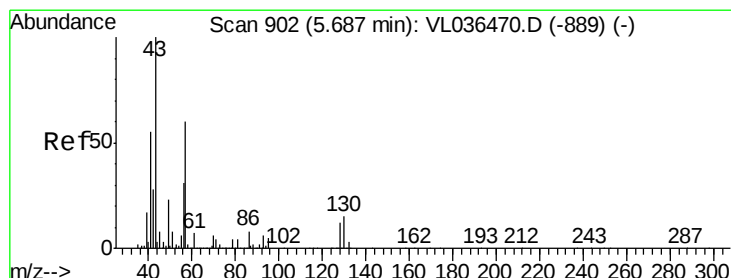
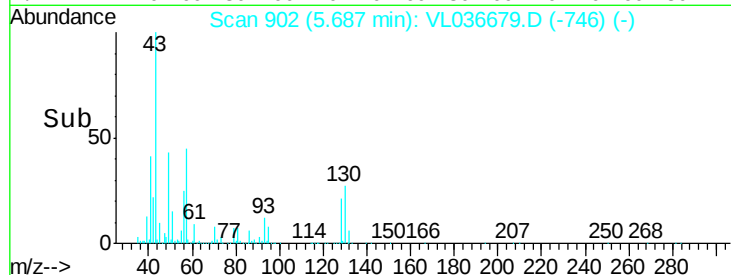
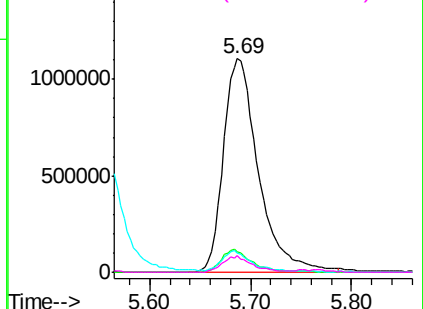
70 6.3 5.1 7.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.343 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 57 Resp: 1268817

Ion Ratio Lower Upper

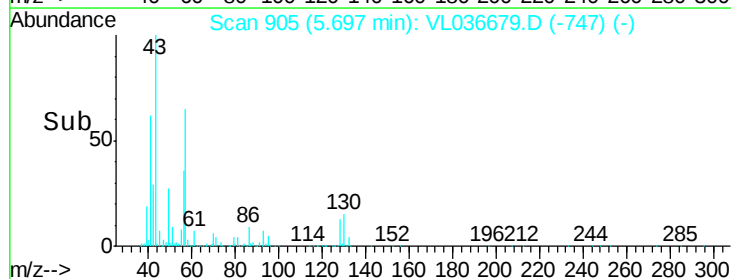
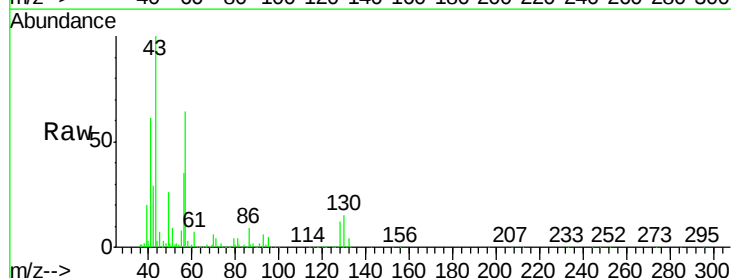
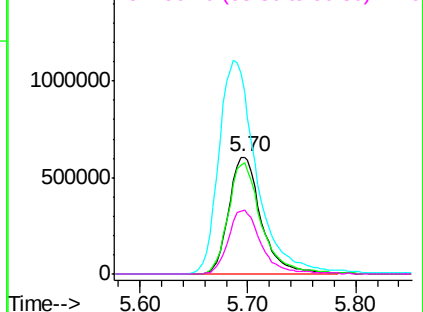
57 100

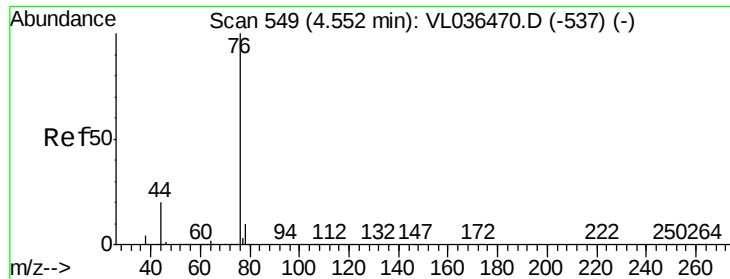
41 97.4 77.2 115.8

43 212.9 173.8 260.6

56 55.6 43.8 65.6

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.175 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

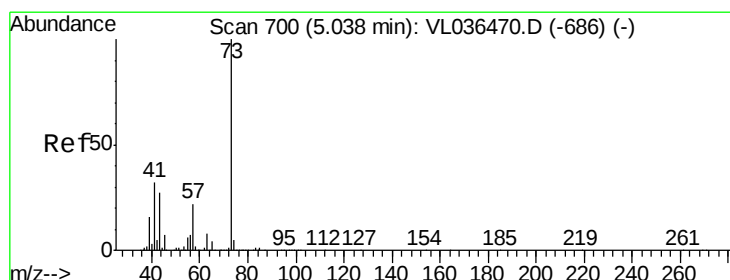
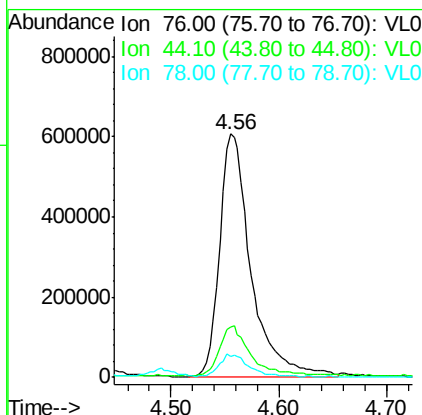
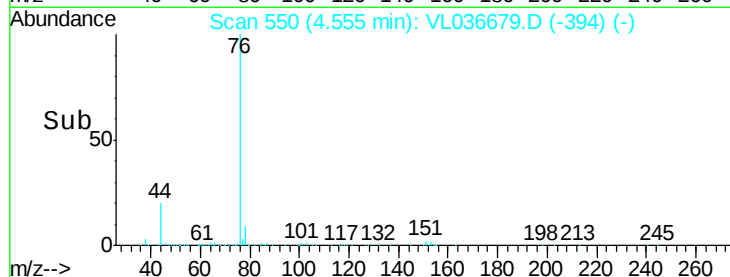
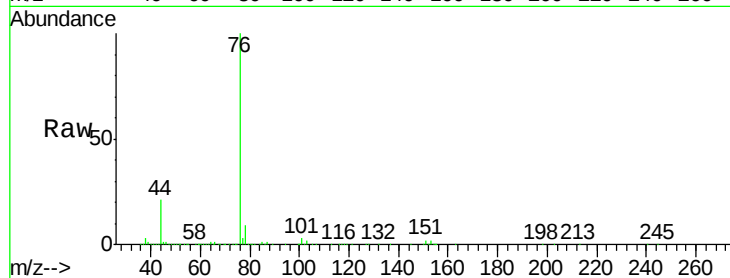
Instrument :
MSVOA_L

ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	22.4	17.5	26.3
78	9.3	8.6	13.0

Manual Integrations
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4/6/2021 5:13:55 PM



#28

Methyl tert-Butyl Ether

Concen: 7.947 ppbv

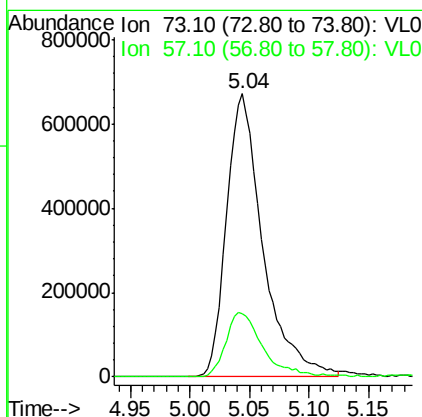
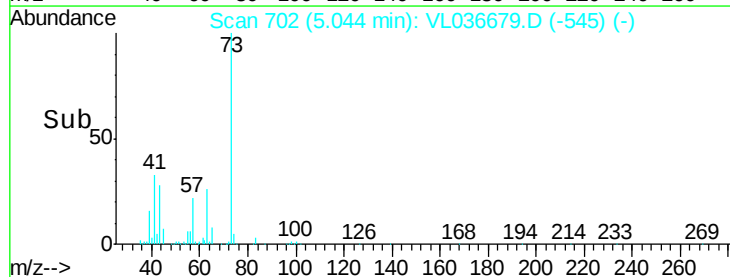
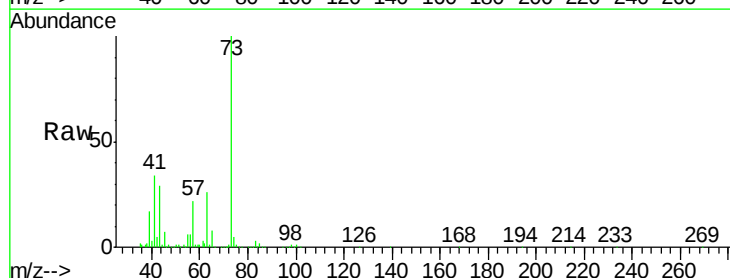
RT: 5.04 min Scan# 702

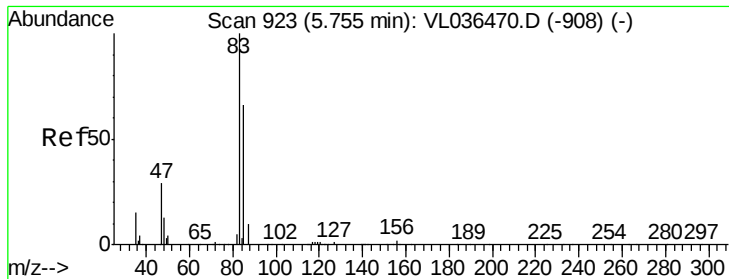
Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7





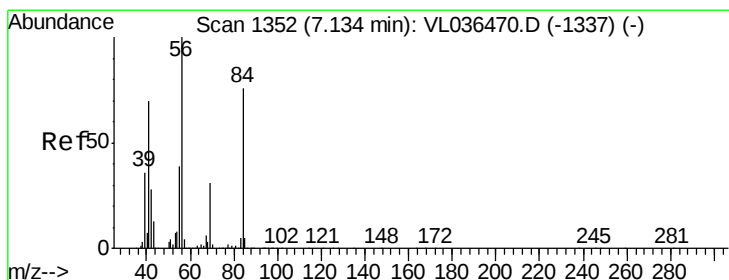
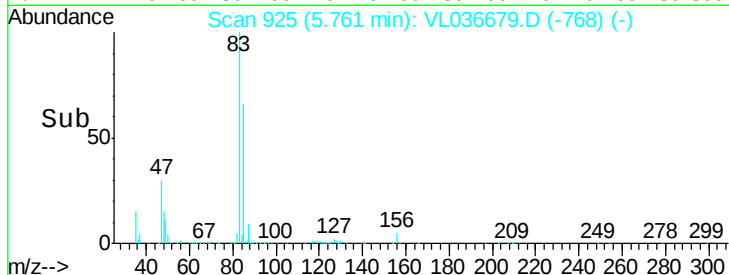
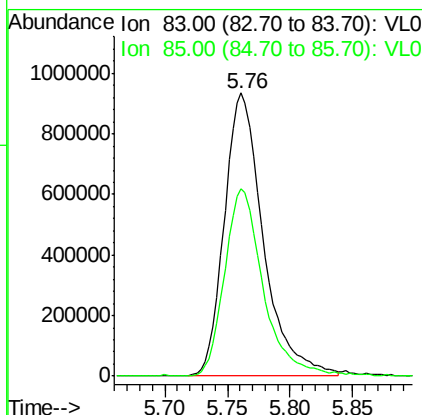
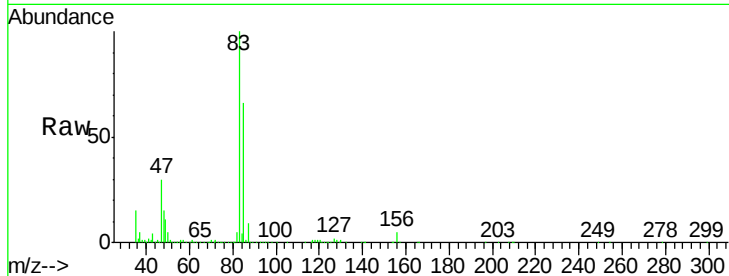
#29
Chloroform
Concen: 8.287 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 83 Resp: 2015352
Ion Ratio Lower Upper
83 100
85 65.9 52.6 78.8

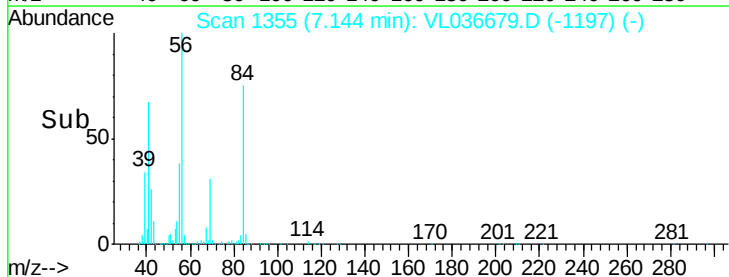
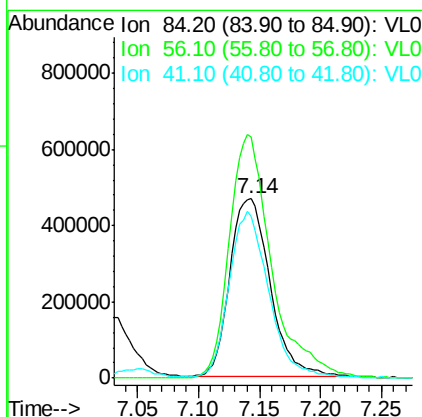
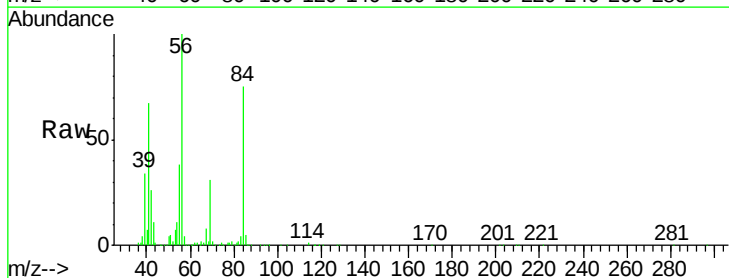
Manual Integrations
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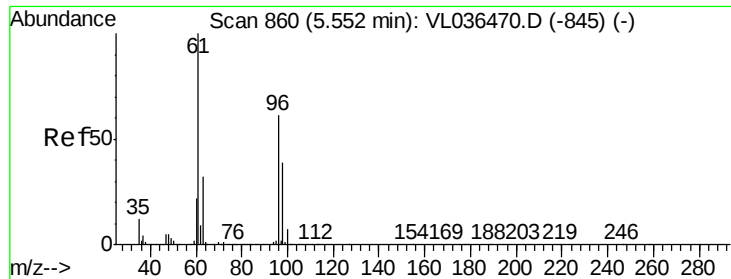
MMDadoda
4/6/2021 5:13:55 PM



#30
Cyclohexane
Concen: 8.732 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 84 Resp: 1076945
Ion Ratio Lower Upper
84 100
56 143.5 114.6 171.8
41 92.6 75.3 112.9





#31

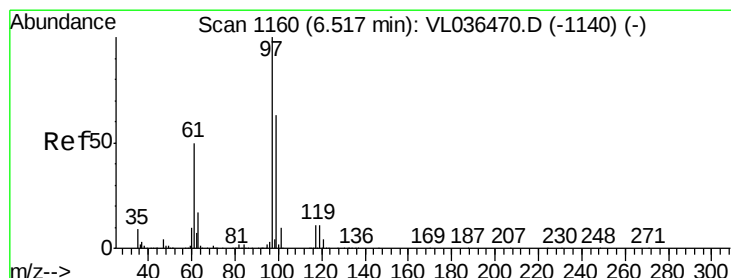
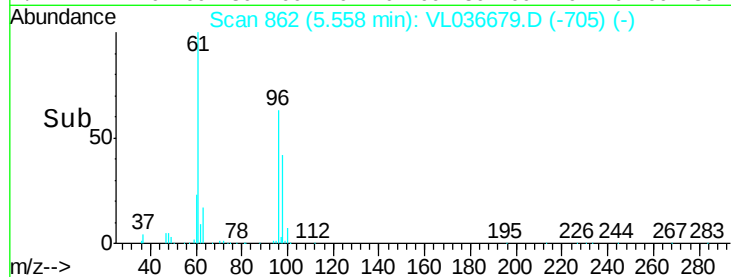
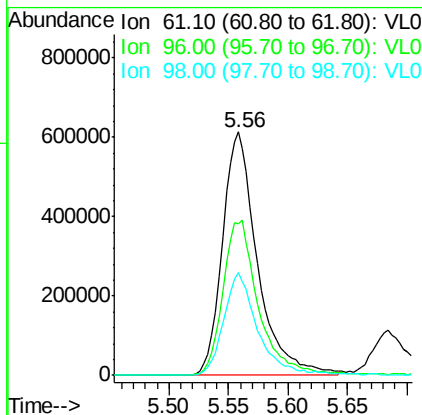
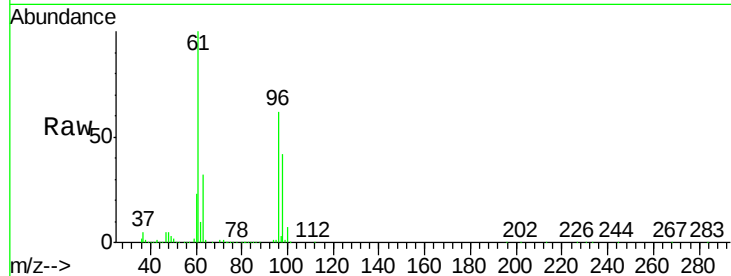
cis-1,2-Dichloroethene
 Concen: 8.418 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	48.7	73.1
98	42.1	31.4	47.0

Manual Integrations
 APPROVED

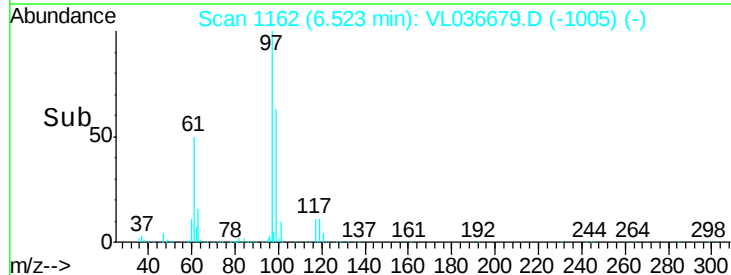
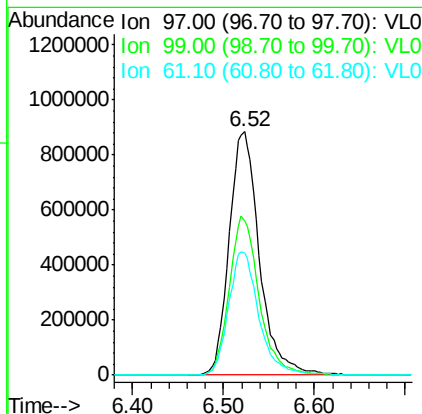
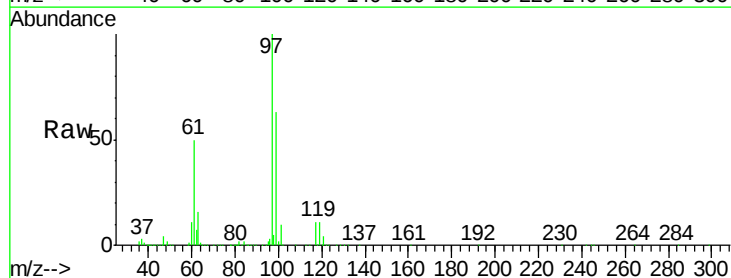
MMDadoda
 4/6/2021 5:13:55 PM

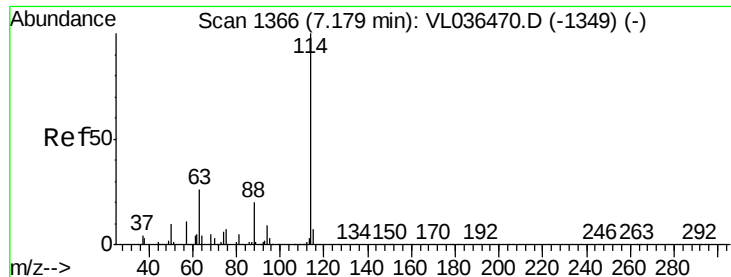


#32

1,1,1-Trichloroethane
 Concen: 8.351 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	50.4	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:114 Resp: 3600015

Ion Ratio Lower Upper

114 100

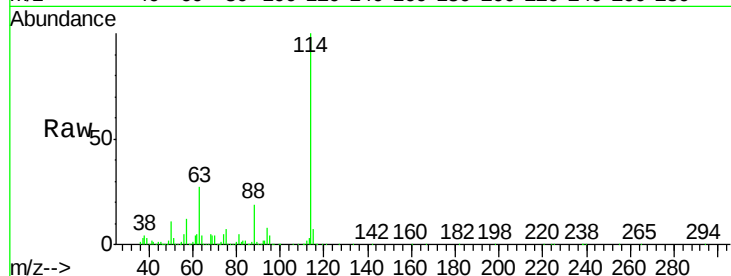
63 27.1 22.4 33.6

88 18.7 15.4 23.0

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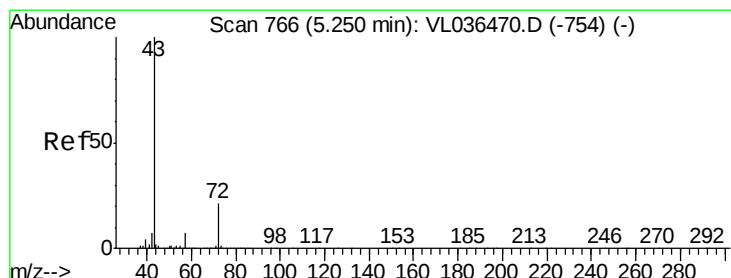
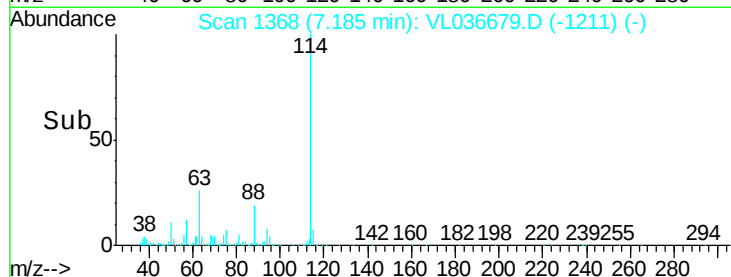
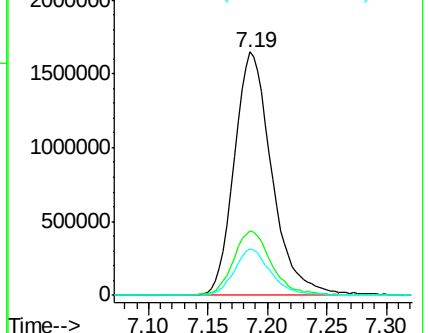
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 7.082 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL036679.D

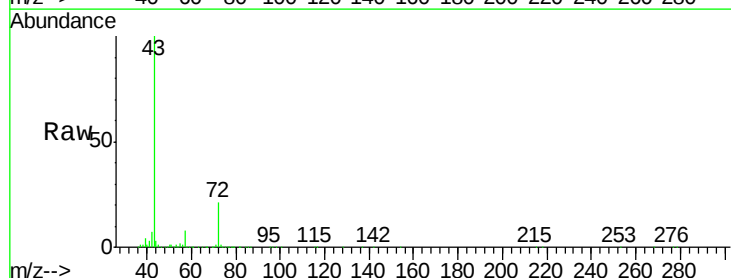
Acq: 5 Apr 2021 18:09

Tgt Ion: 43 Resp: 1244548

Ion Ratio Lower Upper

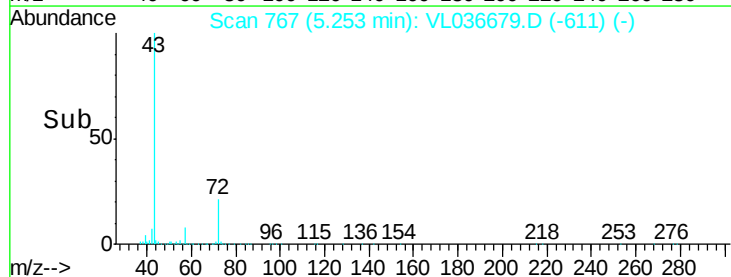
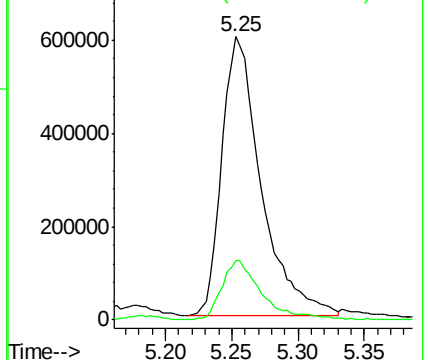
43 100

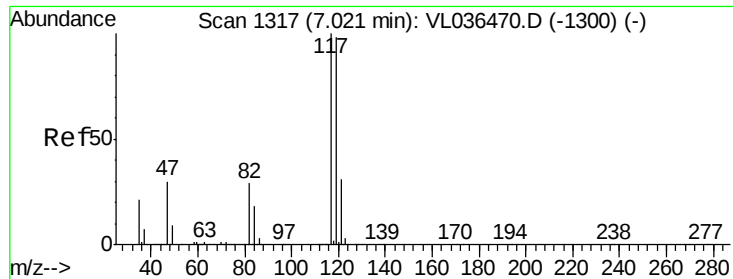
72 21.9 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





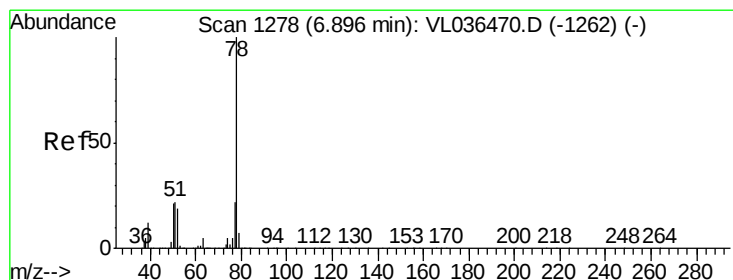
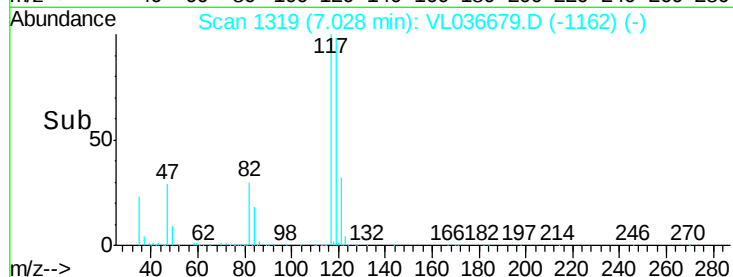
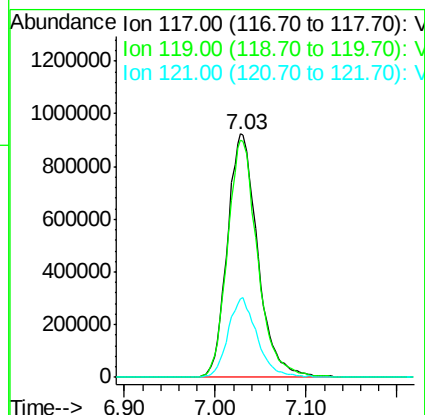
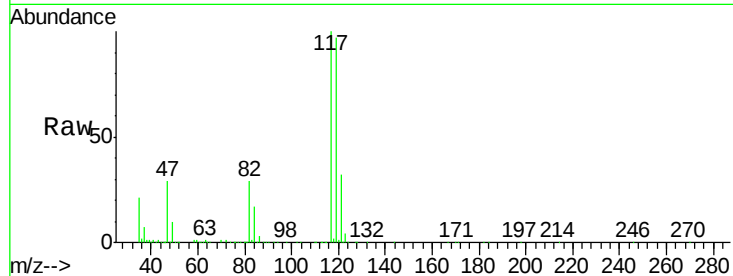
#35
Carbon Tetrachloride
Concen: 7.743 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.2	117.2
121	32.0	24.5	36.7

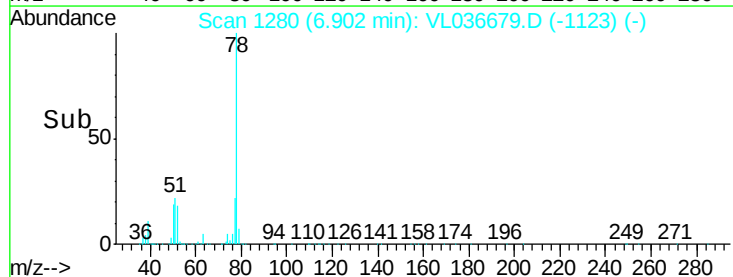
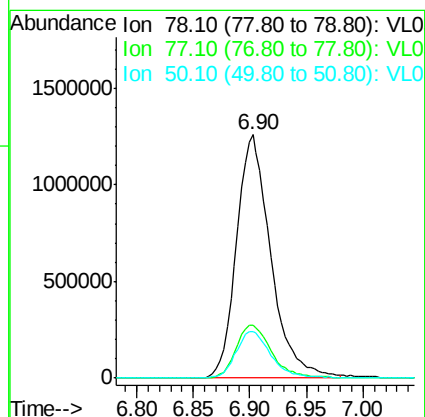
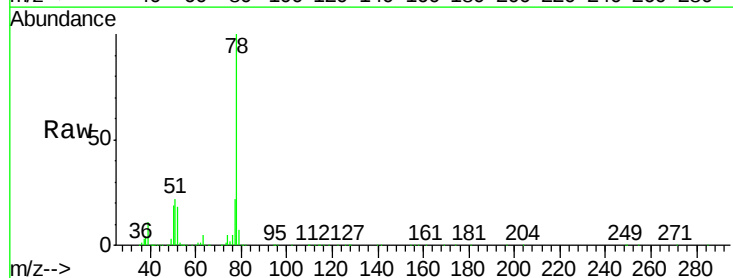
Manual Integrations
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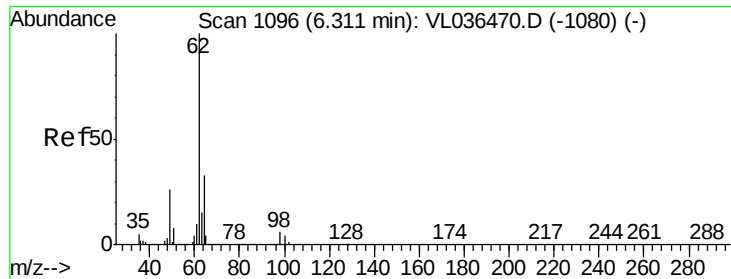
MMDadoda
4/6/2021 5:13:55 PM



#36
Benzene
Concen: 7.998 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.0	27.0
50	19.0	16.5	24.7





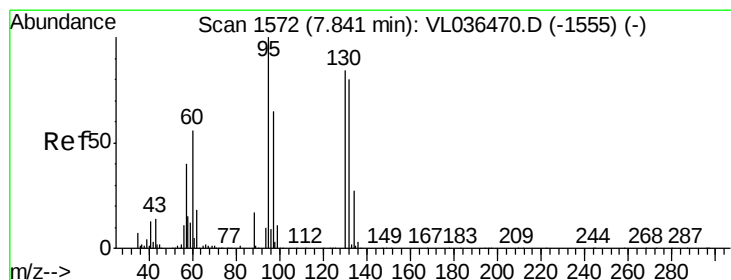
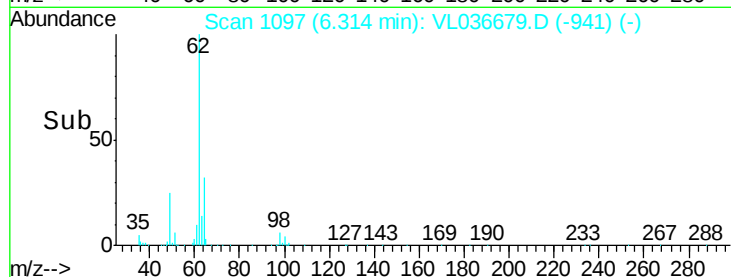
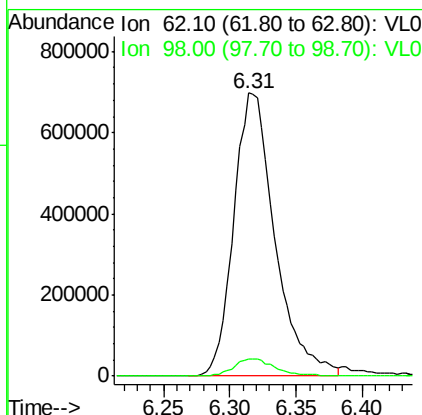
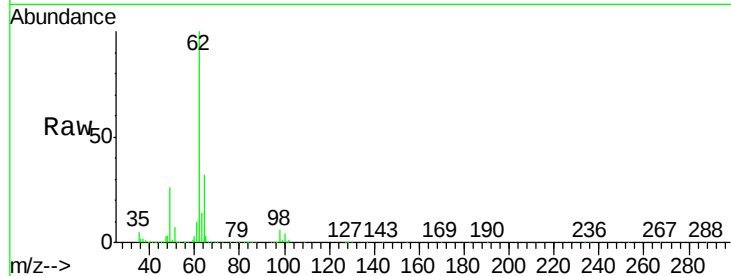
#37
 1,2-Dichloroethane
 Concen: 7.749 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.9	7.3

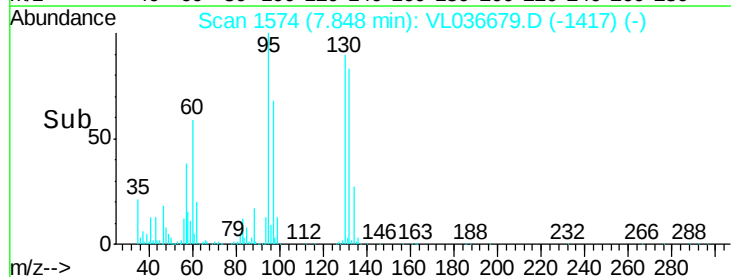
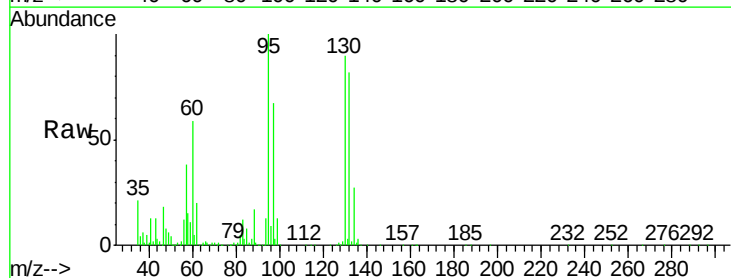
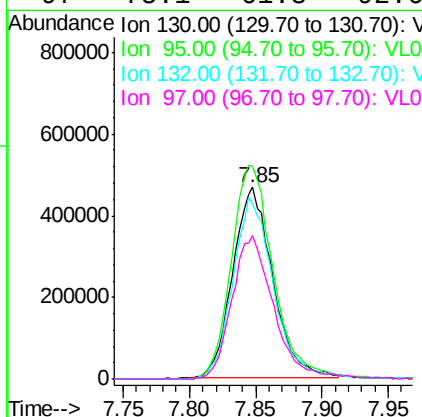
Manual Integrations
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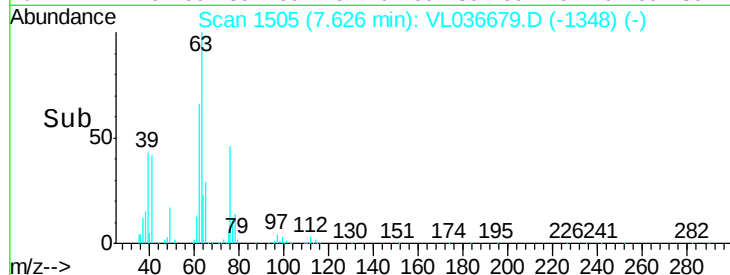
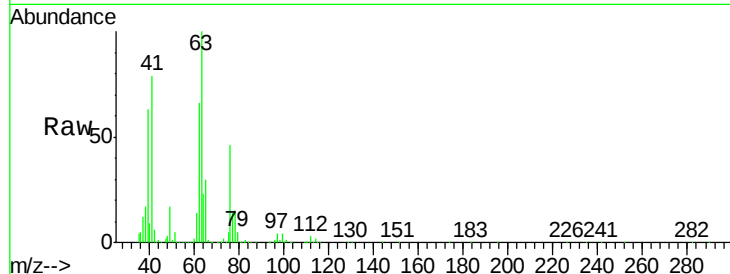
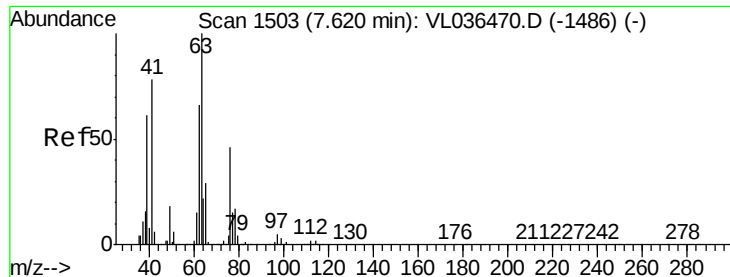
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#38
 Trichloroethene
 Concen: 7.570 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.2	95.7	143.5
132	91.9	76.2	114.4
97	75.1	61.8	92.6





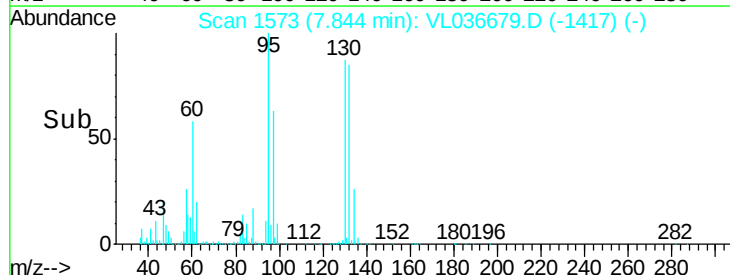
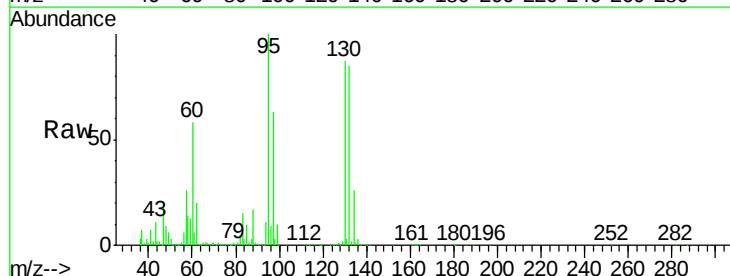
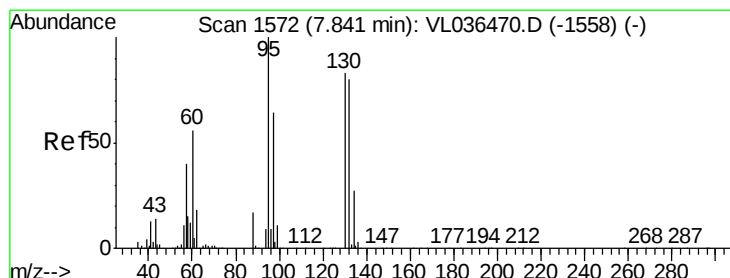
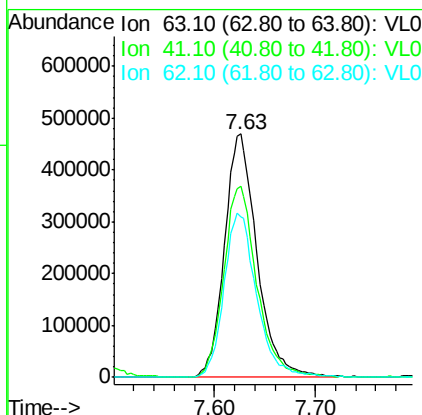
#39
 1,2-Dichloropropane
 Concen: 7.794 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tot Ion:	63	Resp:	1049685
Ion	Ratio	Lower	Upper
63	100		
41	78.5	62.4	93.6
62	65.6	52.8	79.2

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

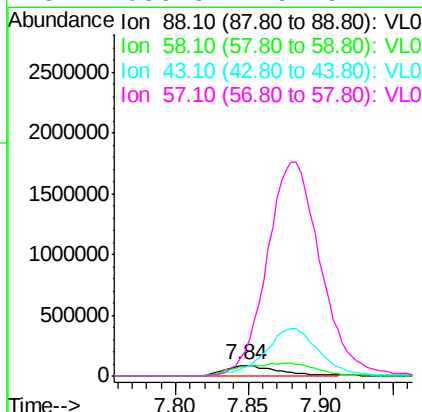
Manual Integrations
 APPROVED

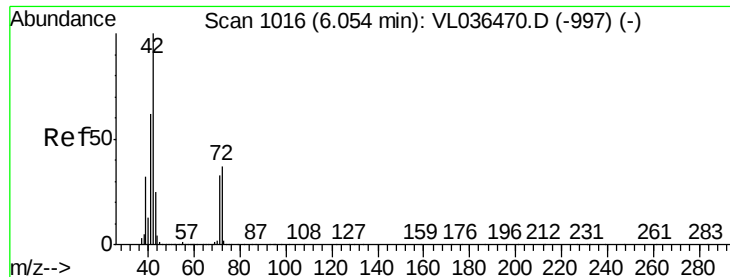
MMDadoda
 4/6/2021 5:13:55 PM



#40
 1,4-Dioxane
 Concen: 7.060 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion:	88	Resp:	221297
Ion	Ratio	Lower	Upper
88	100		
58	176.1	134.1	201.1
43	464.0	346.6	520.0
57	2053.8	1481.8	2222.8





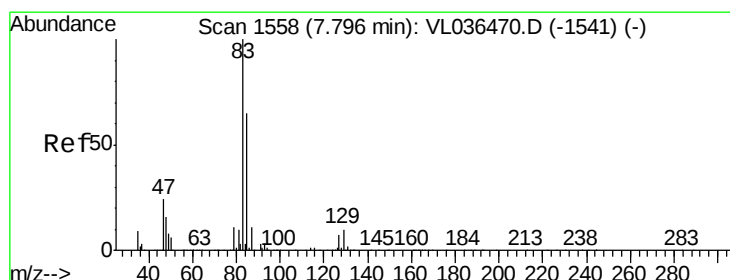
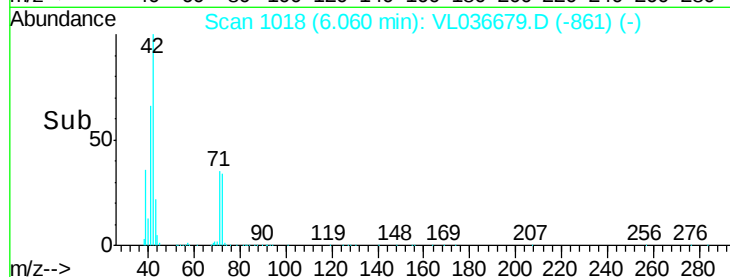
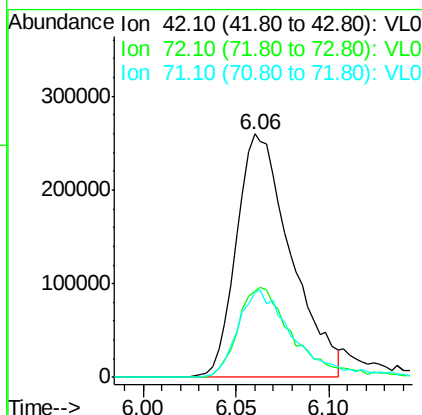
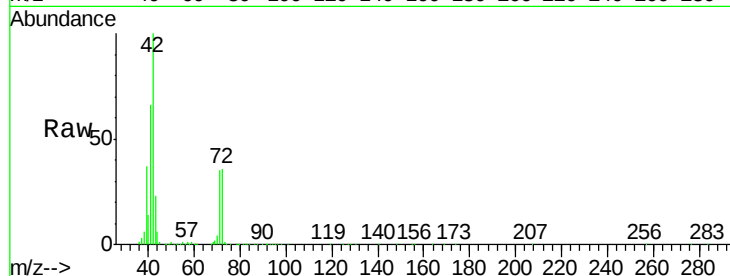
#41
Tetrahydrofuran
Concen: 6.518 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	27.6	41.4
71	38.0	27.0	40.4

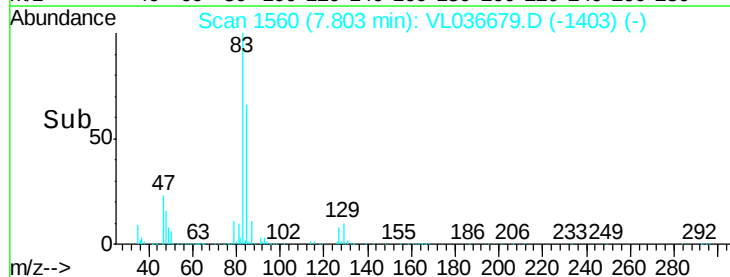
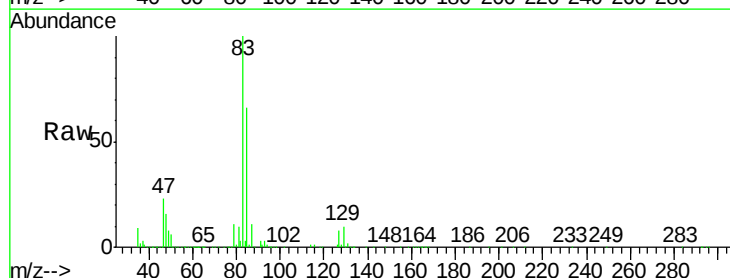
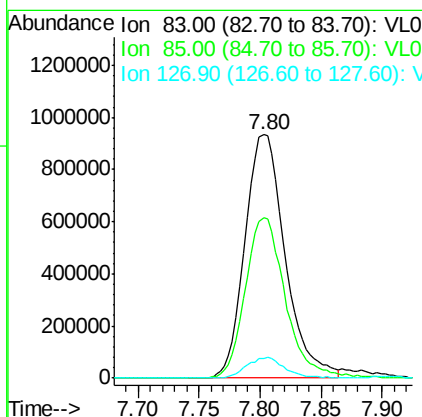
Manual Integrations
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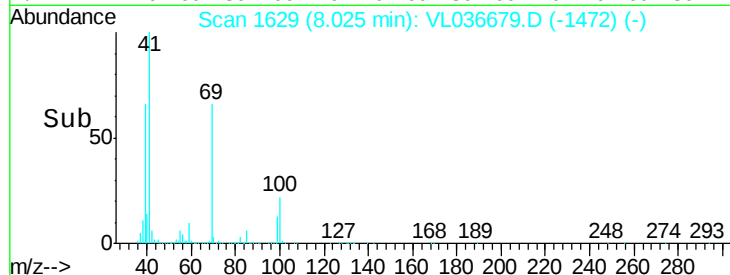
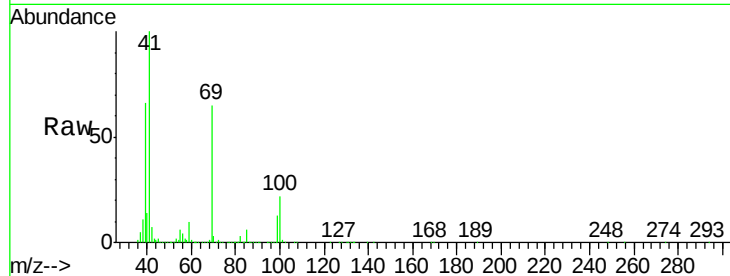
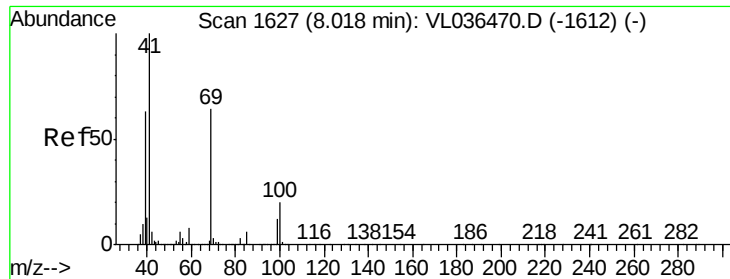
MMDadoda
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#42
Bromodichloromethane
Concen: 8.007 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6
127	8.3	5.8	8.8





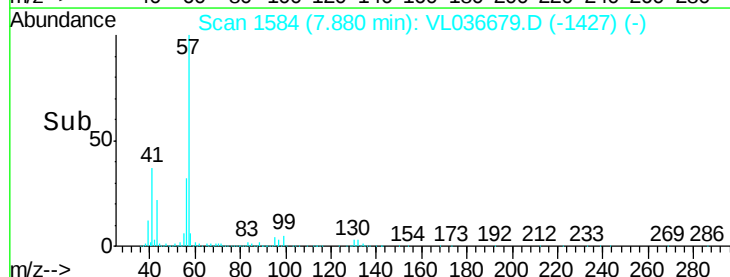
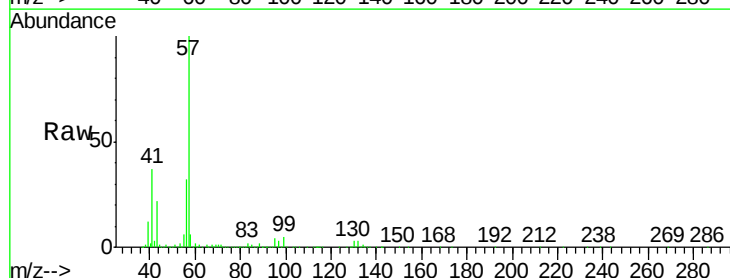
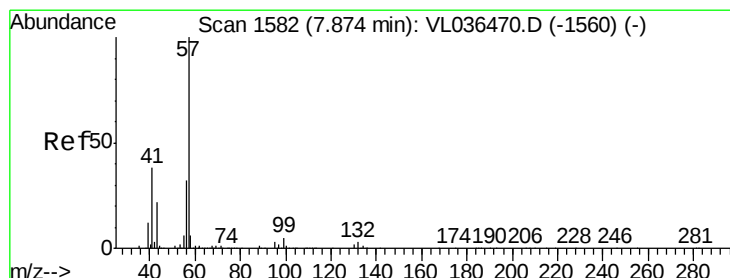
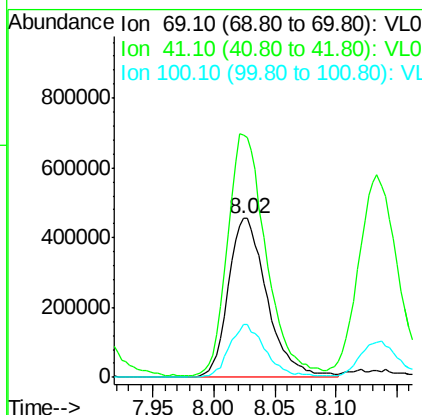
#43
Methvl Methacrylate
Concen: 9.029 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tot Ion: 69 Resp: 1006622
Ion Ratio Lower Upper
69 100
41 152.9 126.8 190.2
100 31.7 24.9 37.3

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

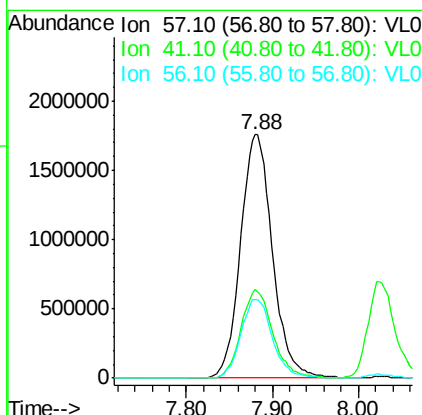
Manual Integrations
APPROVED

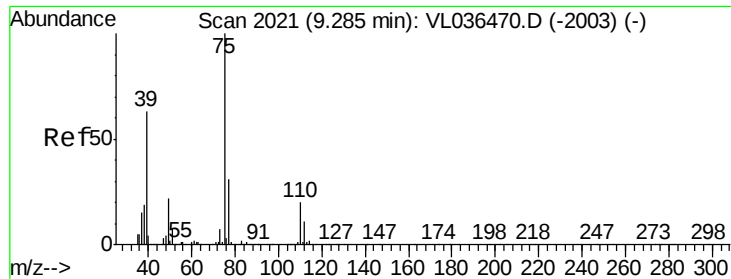
MMDadoda
4/6/2021 5:13:55 PM



#44
2,2,4-Trimethylpentane
Concen: 7.764 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 57 Resp: 4537007
Ion Ratio Lower Upper
57 100
41 36.4 28.8 43.2
56 32.2 26.1 39.1





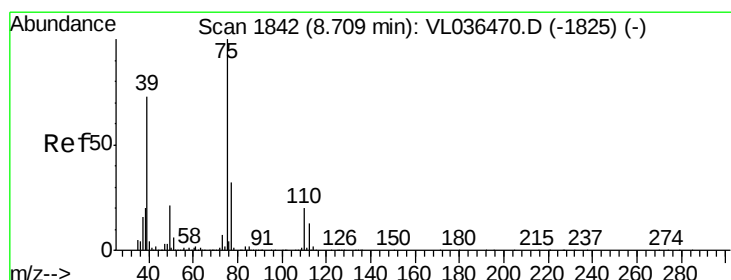
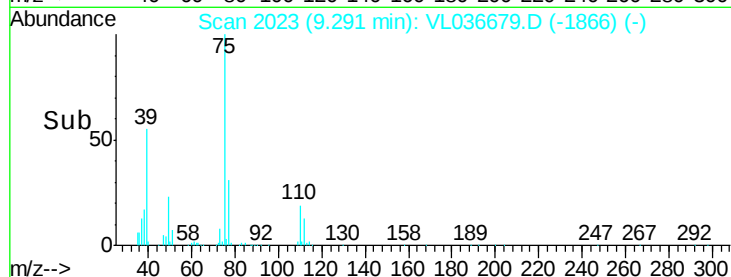
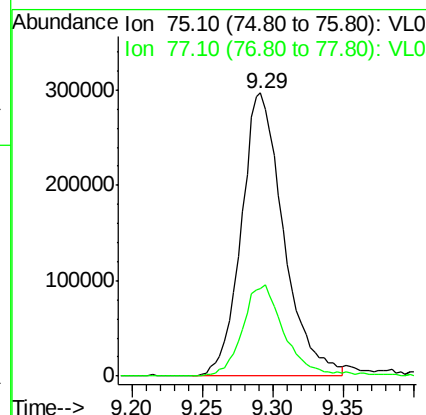
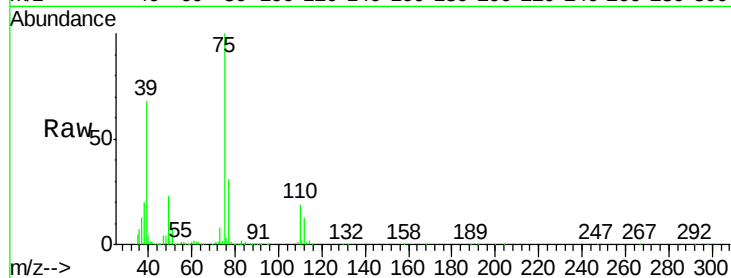
#45
t-1,3-Dichloropropene
Concen: 4.879 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 75 Resp: 621167
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7

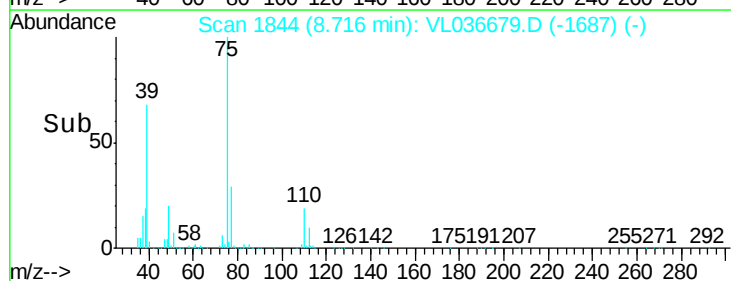
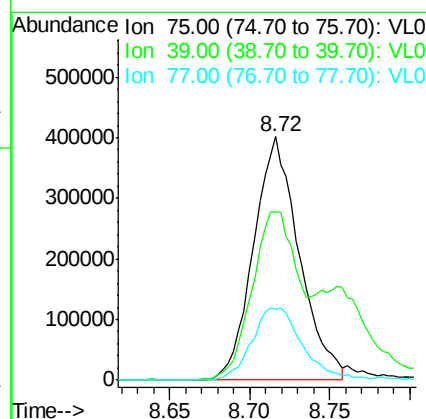
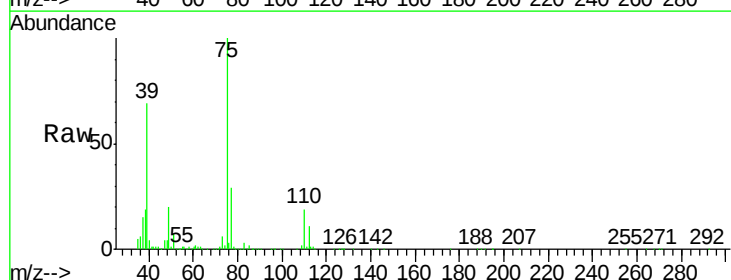
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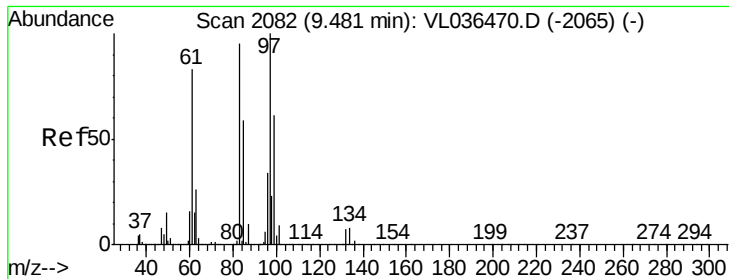
MMDadoda
4/6/2021 5:13:55 PM



#46
cis-1,3-Dichloropropene
Concen: 4.850 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 75 Resp: 789270
Ion Ratio Lower Upper
75 100
39 68.8 58.2 87.2
77 28.8 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 7.992 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 97 Resp: 1090259

Ion Ratio Lower Upper

97 100

83 93.2 75.8 113.8

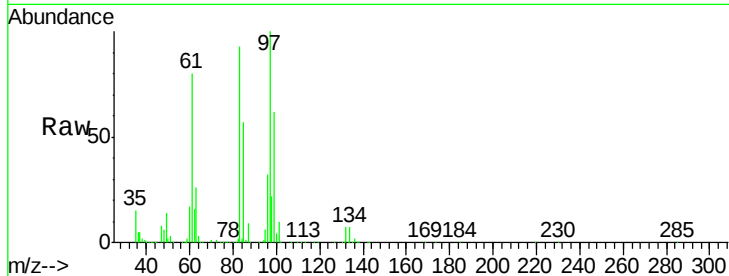
85 56.7 47.1 70.7

99 62.1 49.2 73.8

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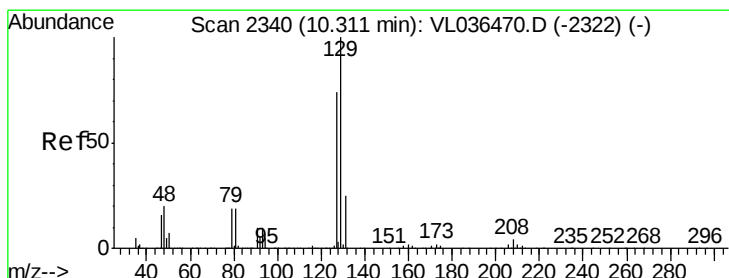
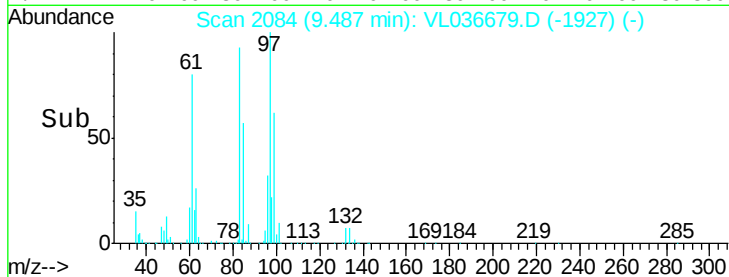
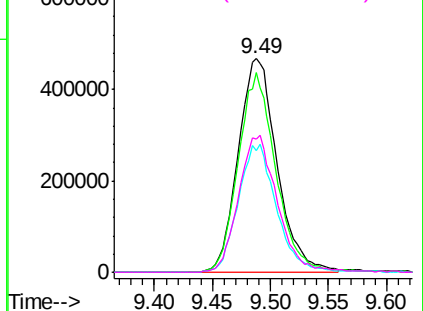


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 8.605 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. 0.01 min

Lab File: VL036679.D

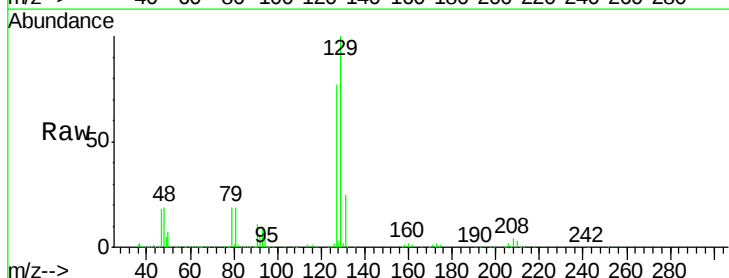
Acq: 5 Apr 2021 18:09

Tgt Ion: 129 Resp: 1789500

Ion Ratio Lower Upper

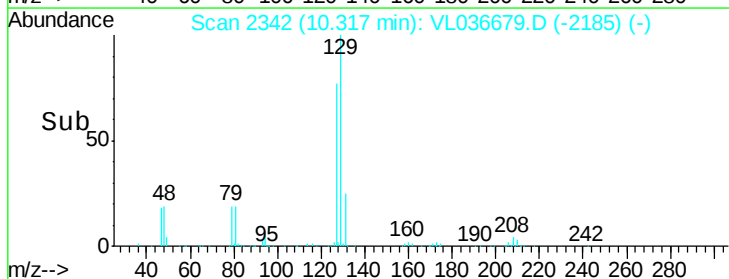
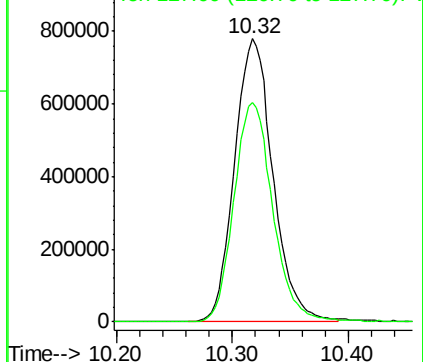
129 100

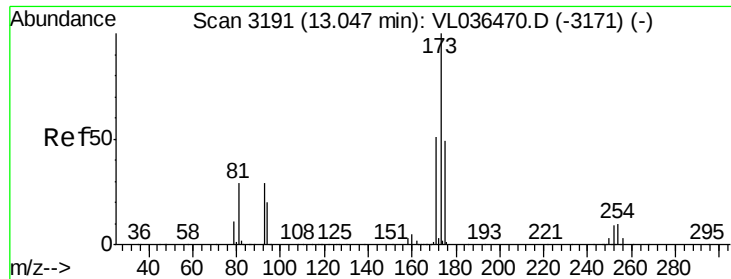
127 78.7 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





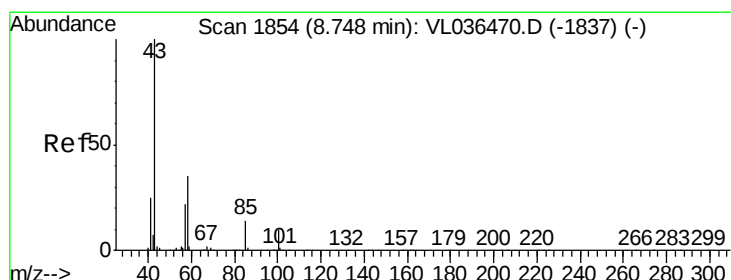
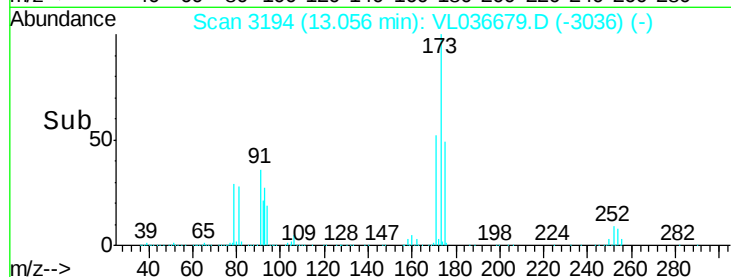
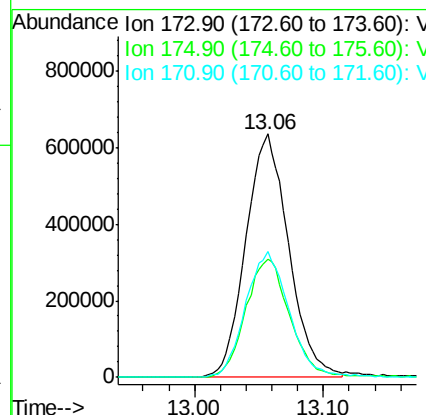
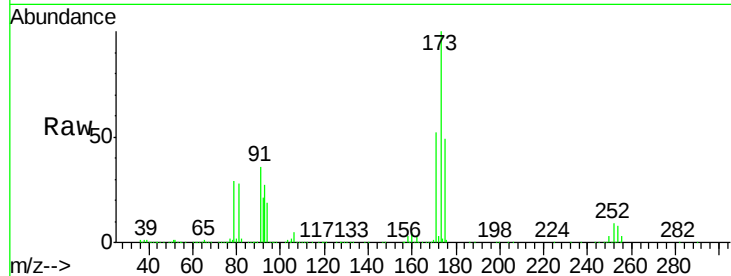
#49
Bromoform
Concen: 8.793 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion:173 Resp: 1473272
Ion Ratio Lower Upper
173 100
175 50.4 39.6 59.4
171 52.4 41.4 62.0

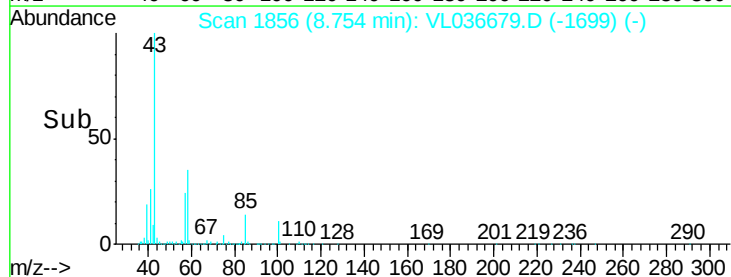
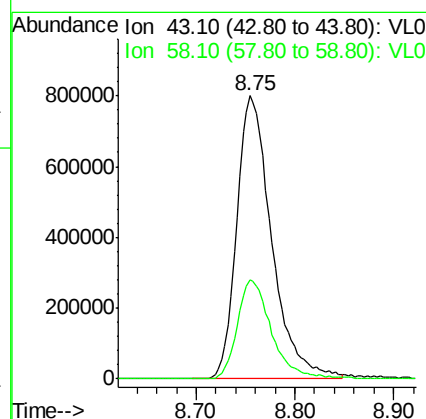
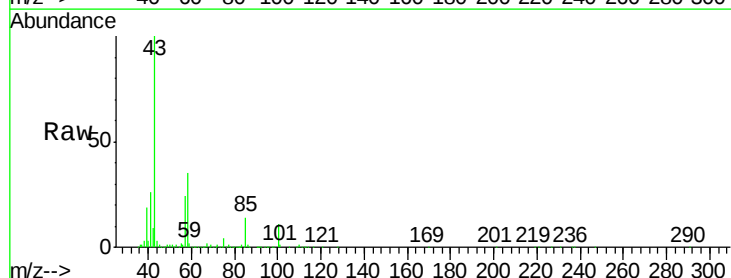
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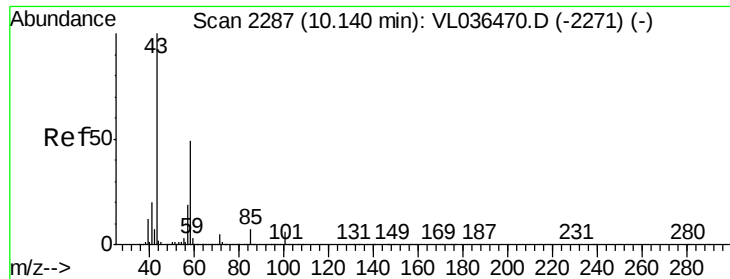
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 7.742 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 43 Resp: 1968567
Ion Ratio Lower Upper
43 100
58 34.6 28.2 42.2





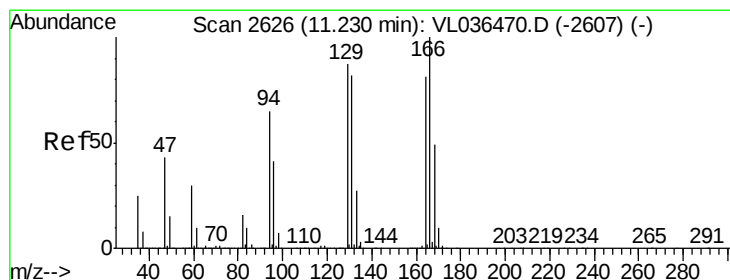
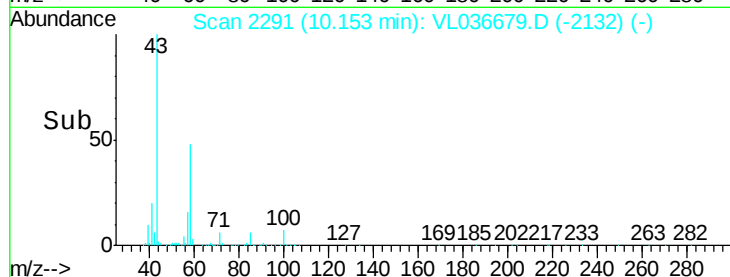
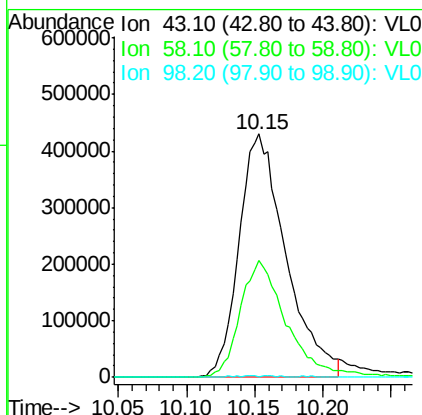
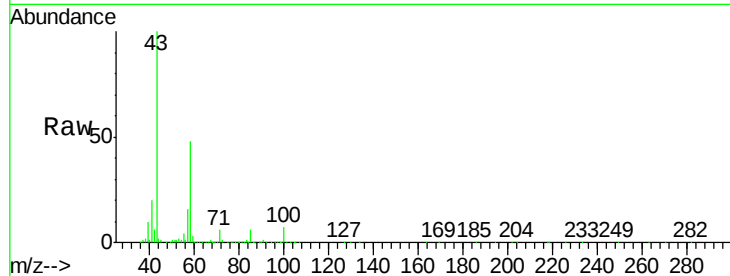
#51
2-Hexanone
Concen: 7.974 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	37.7	56.5
98	0.9	0.2	0.2#

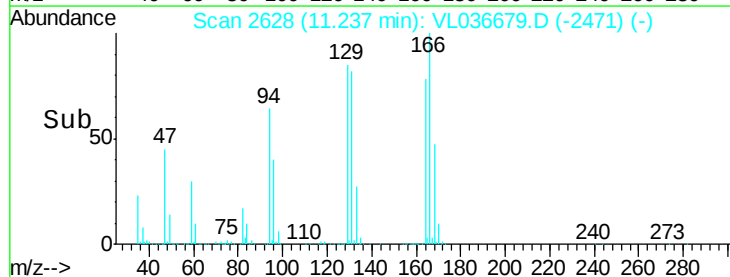
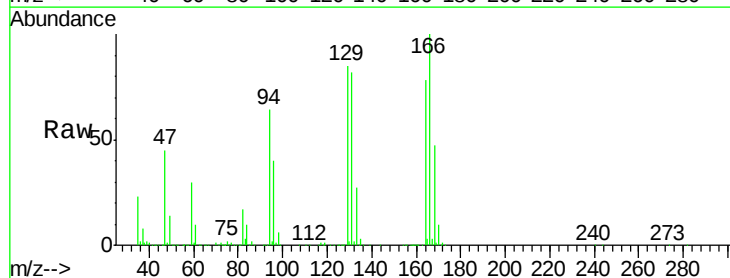
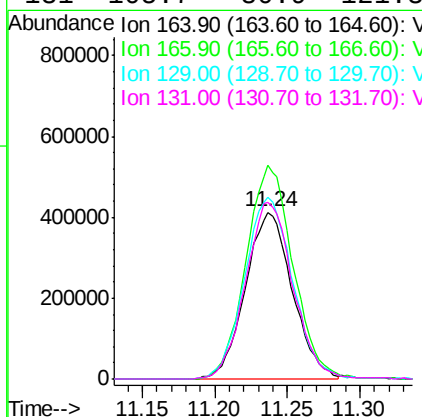
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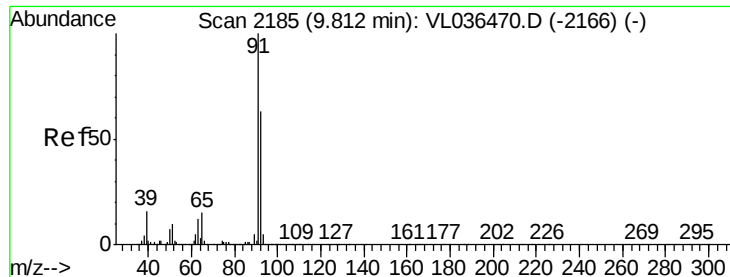
MMDadoda
4/6/2021 5:13:55 PM



#52
Tetrachloroethene
Concen: 7.591 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.3	147.5
129	108.8	85.8	128.8
131	105.7	80.9	121.3





#53

Toluene

Concen: 8.446 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 91 Resp: 2986459

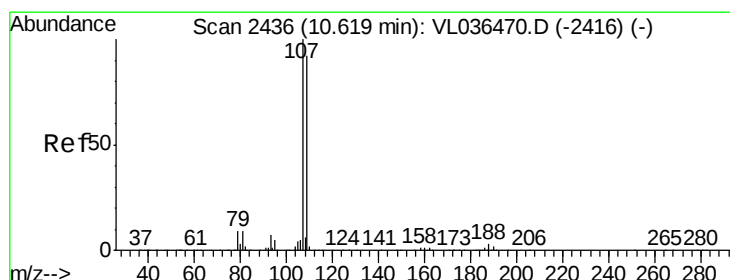
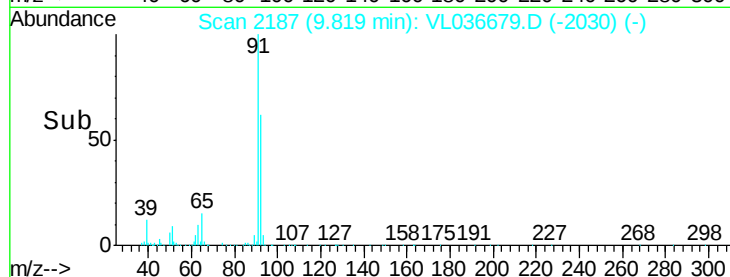
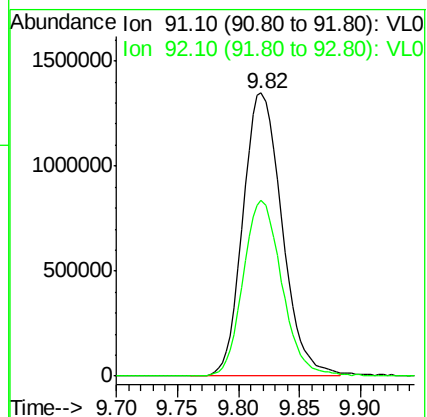
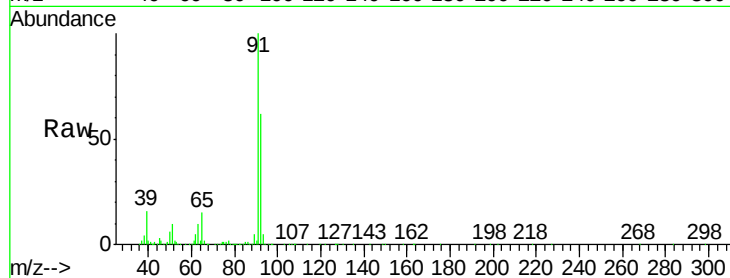
Ion Ratio Lower Upper

91 100

92 61.8 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 7.980 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL036679.D

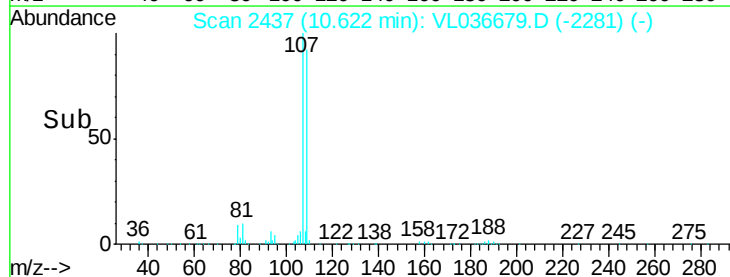
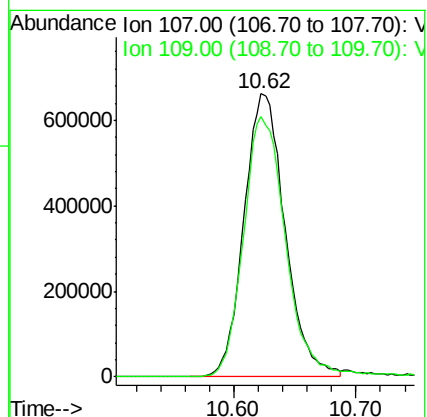
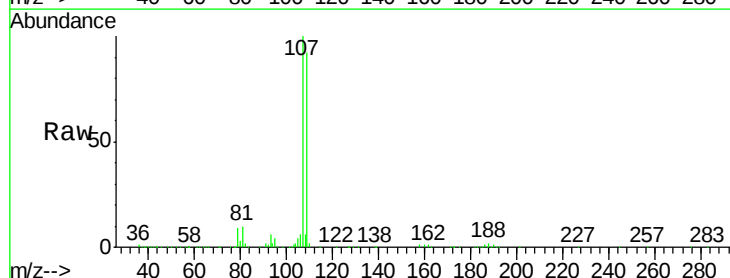
Acq: 5 Apr 2021 18:09

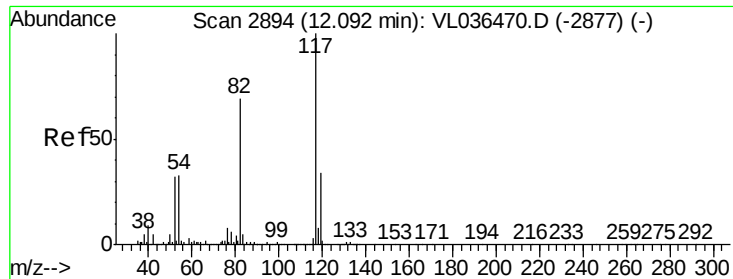
Tgt Ion: 107 Resp: 1537397

Ion Ratio Lower Upper

107 100

109 91.9 73.9 110.9





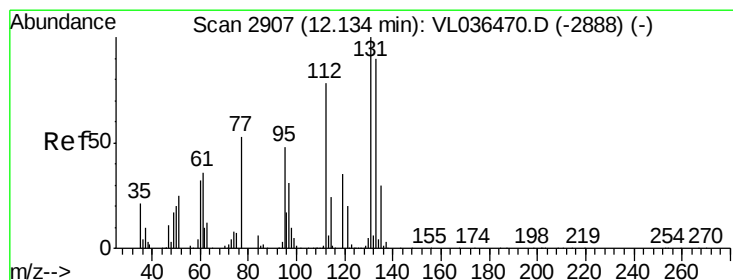
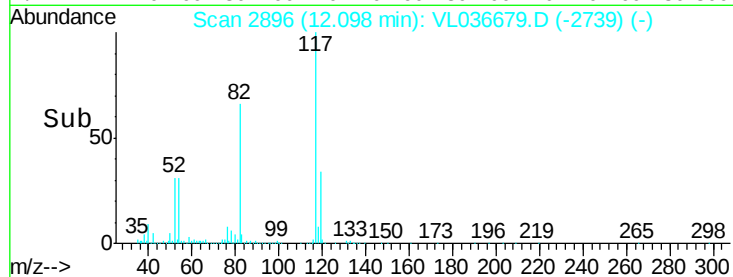
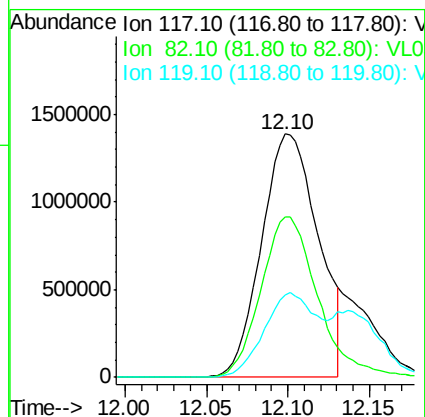
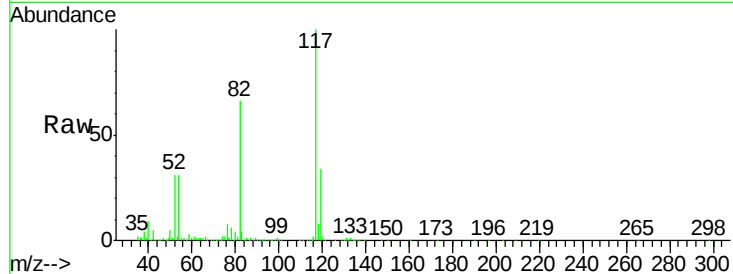
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion:117 Resp: 3355132
Ion Ratio Lower Upper
117 100
82 67.6 57.4 86.0
119 56.6 47.4 71.0

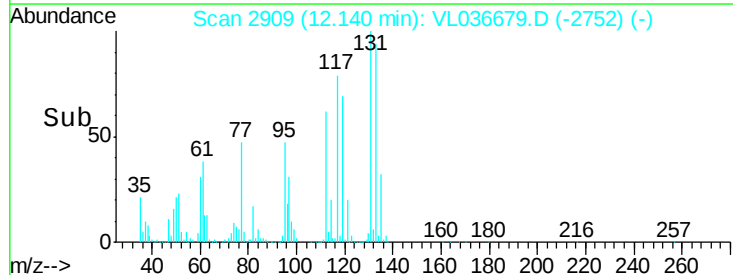
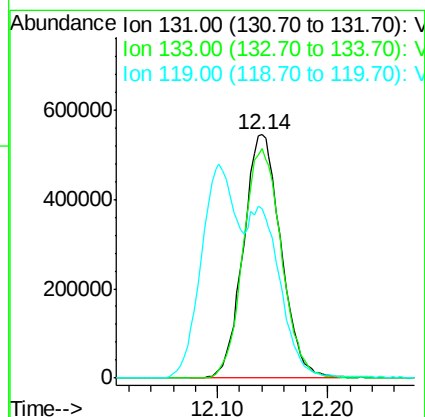
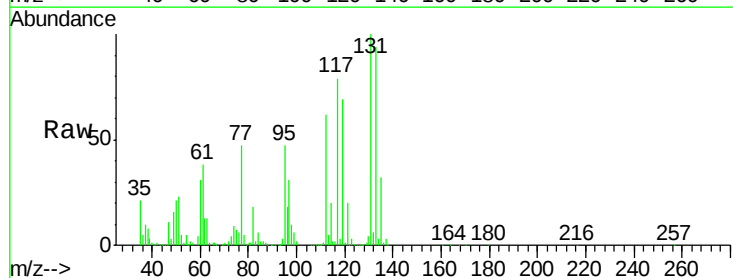
Manual Integrations
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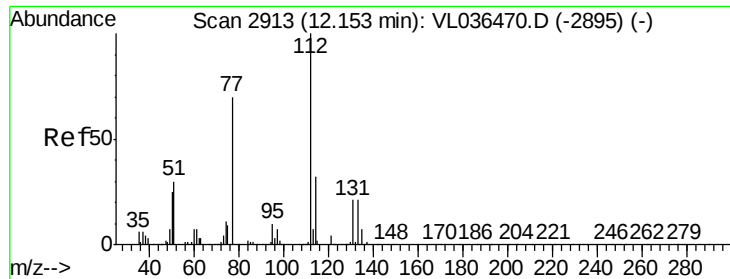
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.466 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion:131 Resp: 1284759
Ion Ratio Lower Upper
131 100
133 96.4 75.8 113.6
119 147.9 48.7 73.1#





#57

Chlorobenzene

Concen: 7.935 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:112 Resp: 2265304

Ion Ratio Lower Upper

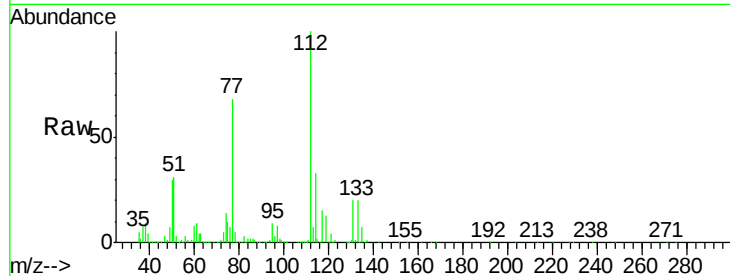
112 100

77 66.6 56.0 84.0

114 32.9 29.0 35.4

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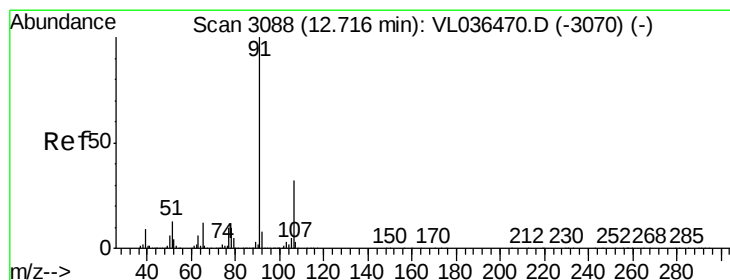
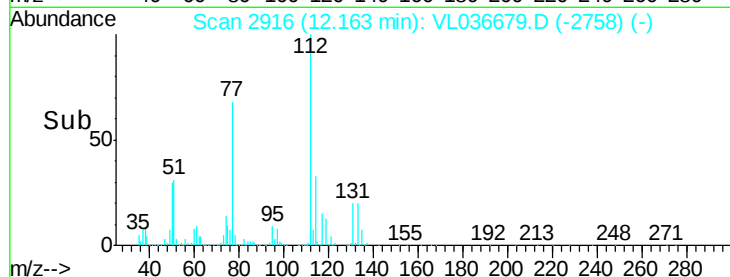
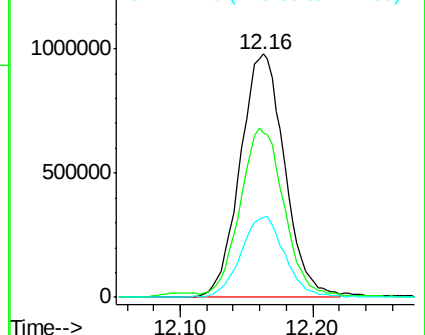
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.417 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.01 min

Lab File: VL036679.D

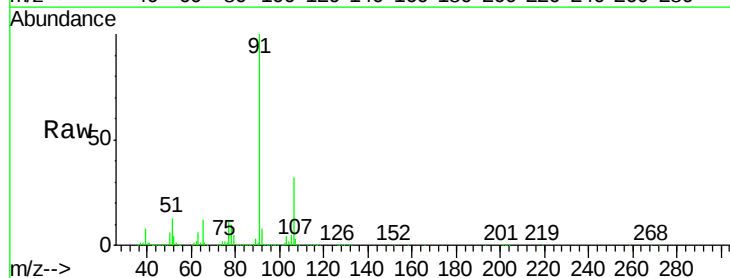
Acq: 5 Apr 2021 18:09

Tgt Ion: 91 Resp: 4108673

Ion Ratio Lower Upper

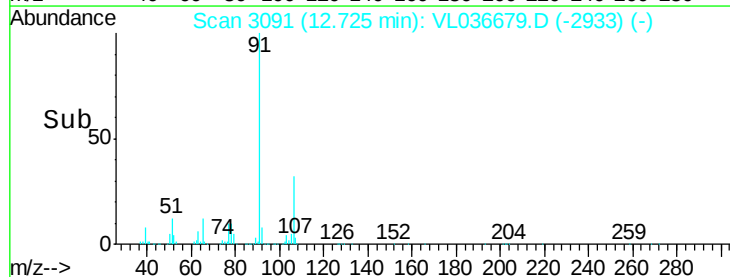
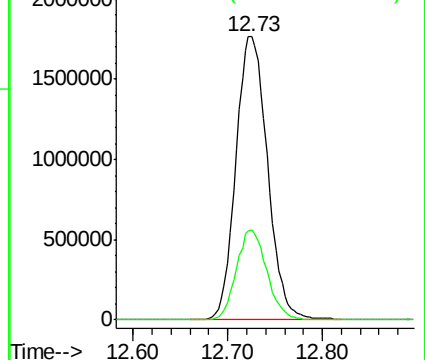
91 100

106 32.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





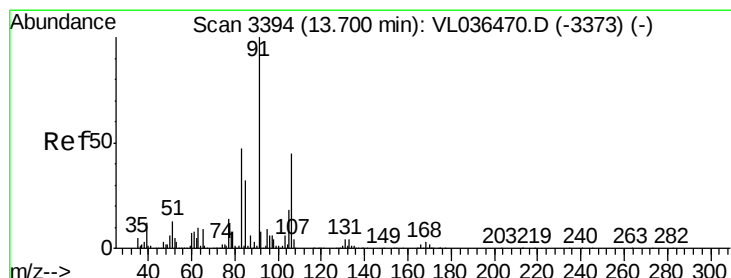
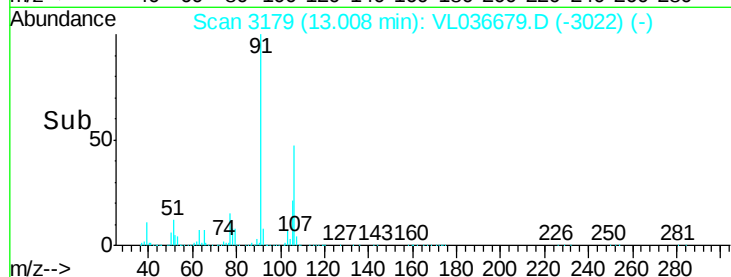
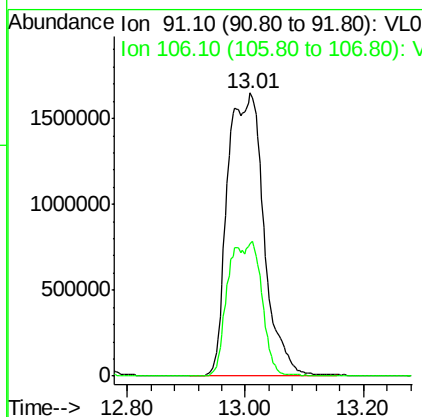
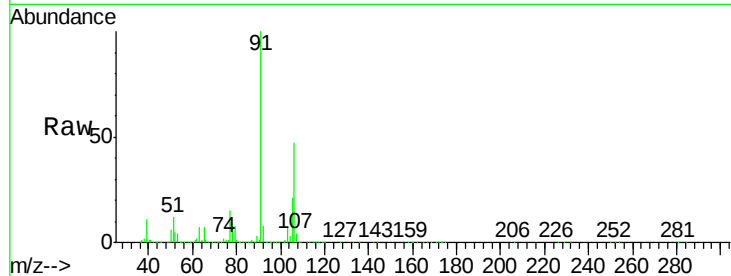
#59
m/p-Xylene
Concen: 16.470 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 91 Resp: 7011998
Ion Ratio Lower Upper
91 100
106 44.2 35.3 52.9

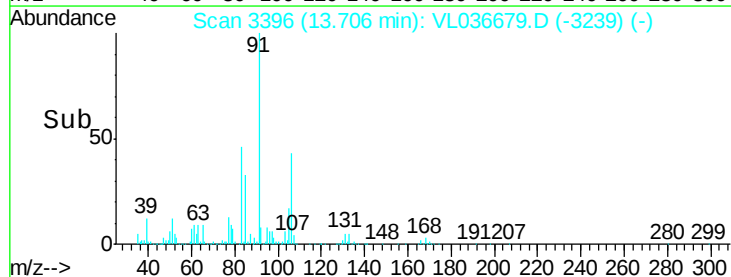
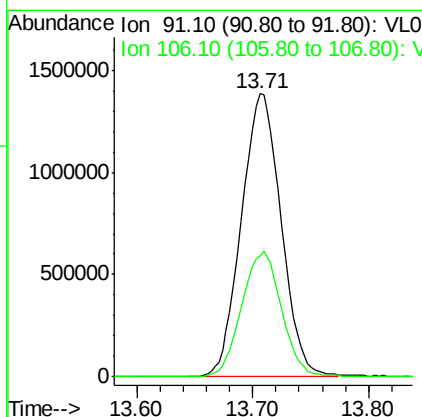
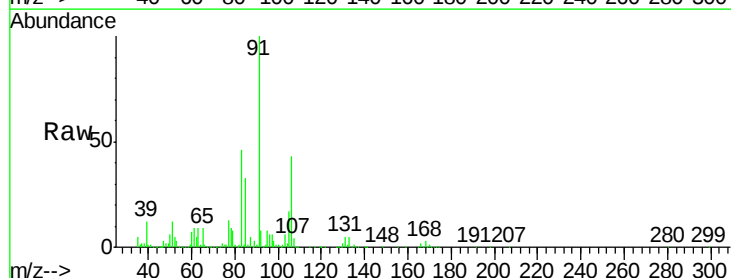
Manual Integrations
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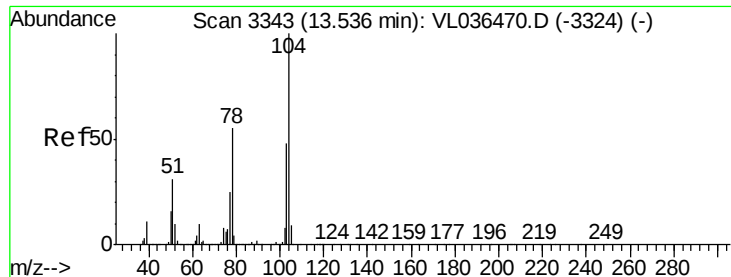
MMDadoda
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#60
o-Xylene
Concen: 8.020 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 91 Resp: 3301445
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 8.567 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampled :

VL0405ABS01

Tot Ion:104 Resp: 1774348

Ion Ratio Lower Upper

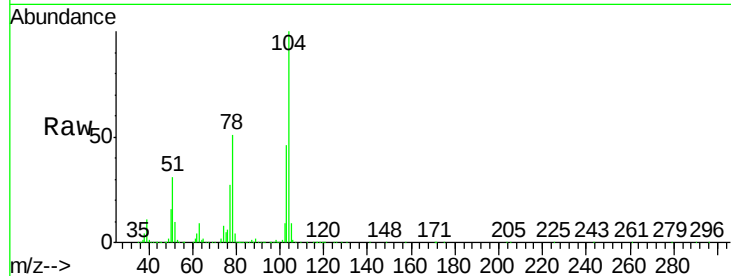
104 100

78 53.5 43.8 65.8

103 47.4 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

1000000

800000

600000

400000

200000

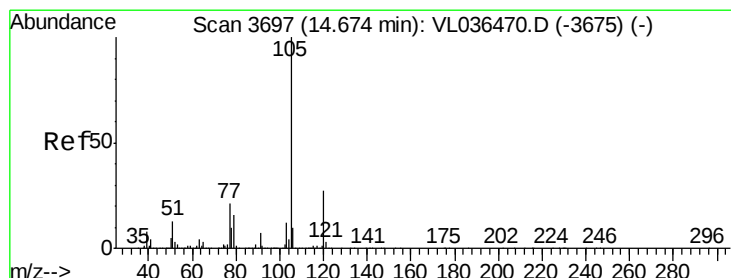
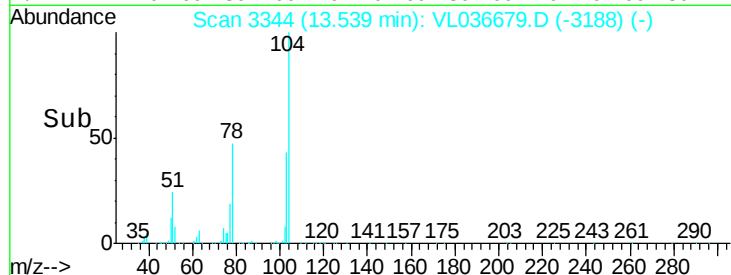
0

13.54

13.50

13.60

Time-->



#62

Isopropylbenzene

Concen: 8.399 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL036679.D

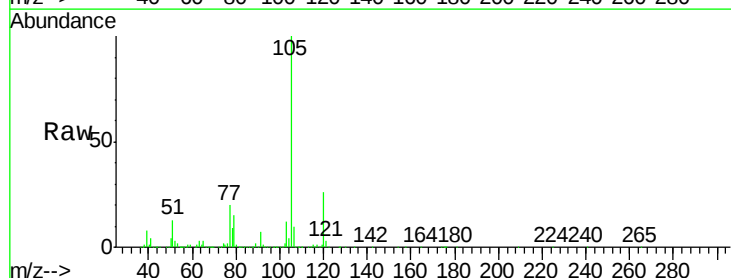
Acq: 5 Apr 2021 18:09

Tgt Ion:105 Resp: 4656376

Ion Ratio Lower Upper

105 100

120 25.8 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

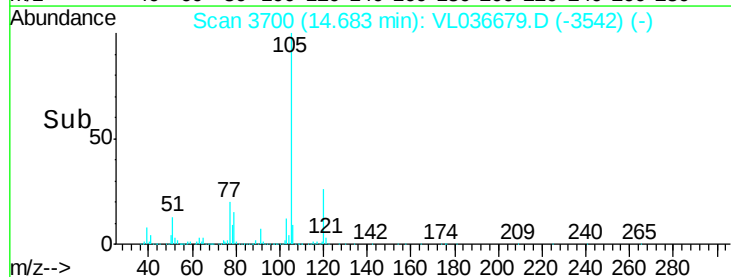
14.68

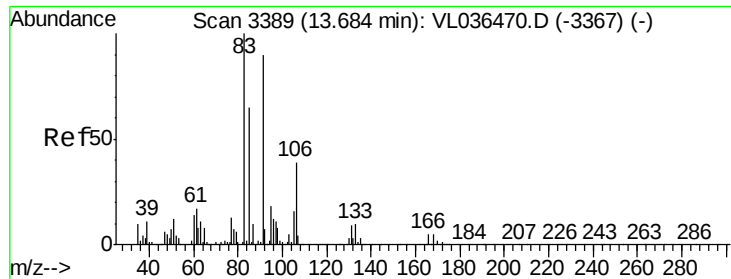
14.60

14.70

14.80

Time-->





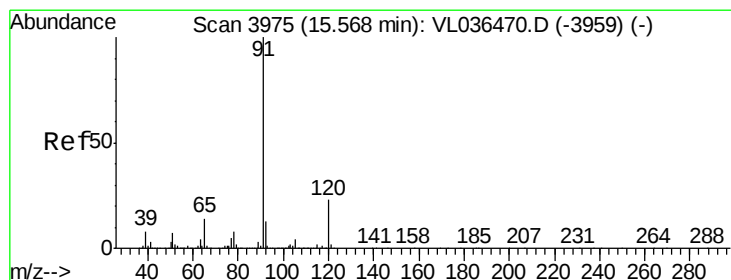
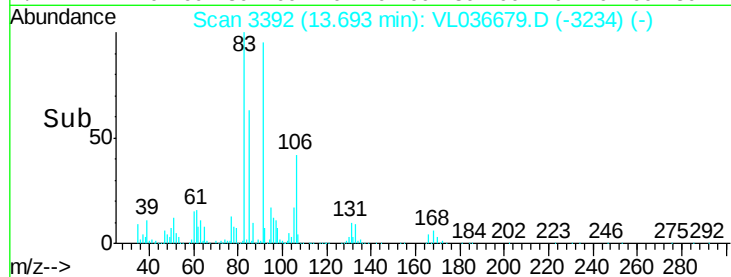
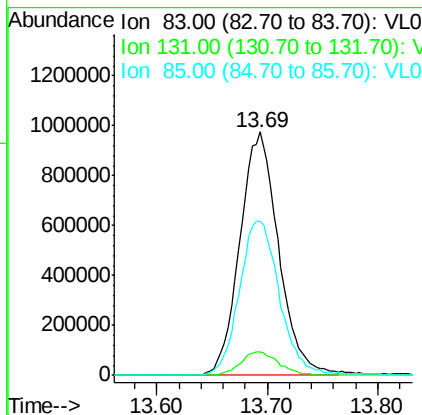
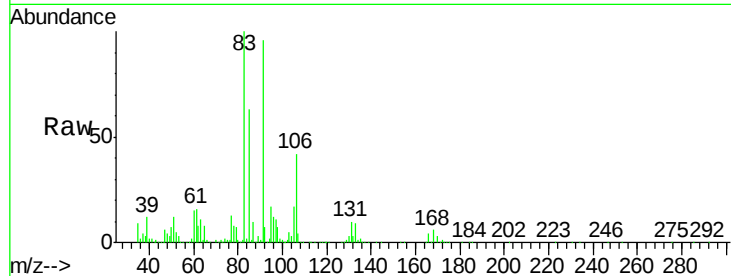
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.539 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.7	14.0
85	66.6	33.1	99.3

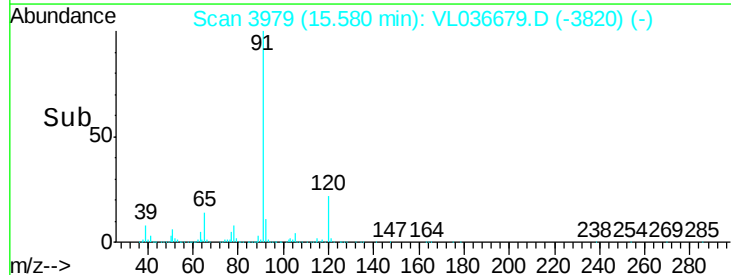
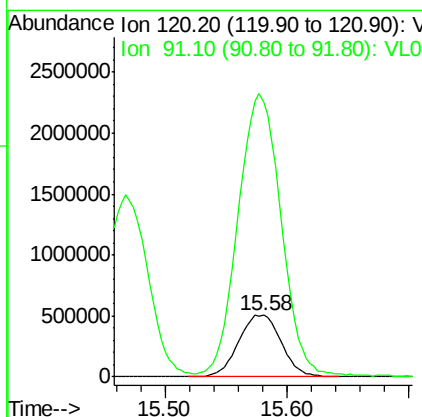
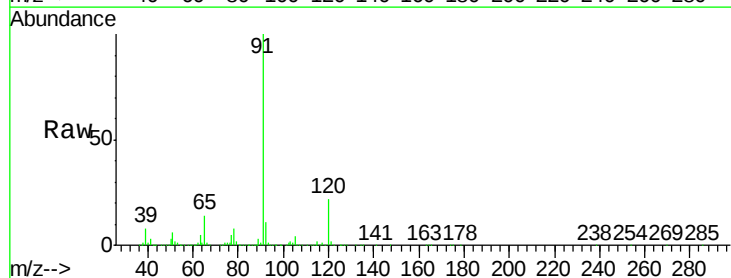
Manual Integrations
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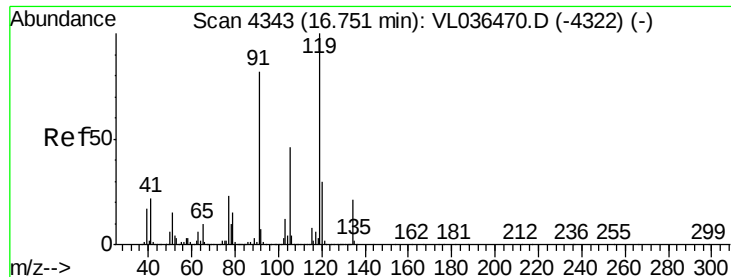
MMDadoda
 4/6/2021 5:13:55 PM



#64
 n-propylbenzene
 Concen: 9.018 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
120	100		
91	466.7	377.4	566.2





#65

tert-Butylbenzene

Concen: 8.418 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:119 Resp: 4046649

Ion Ratio Lower Upper

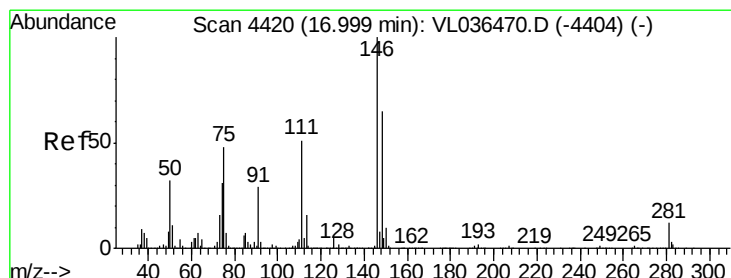
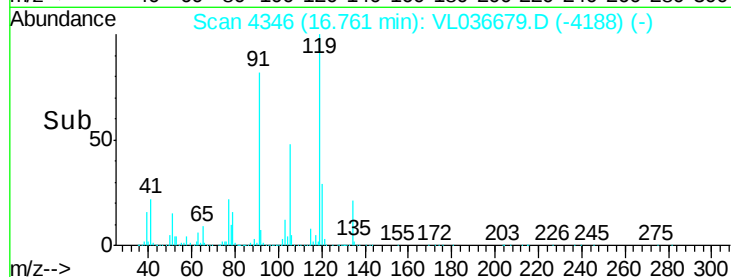
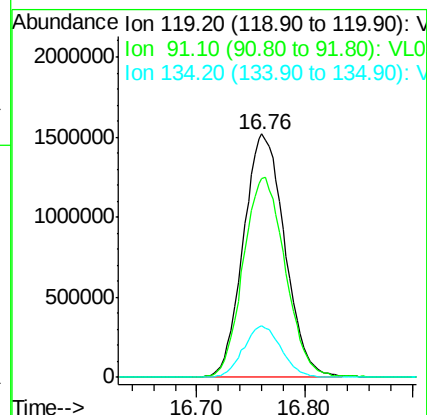
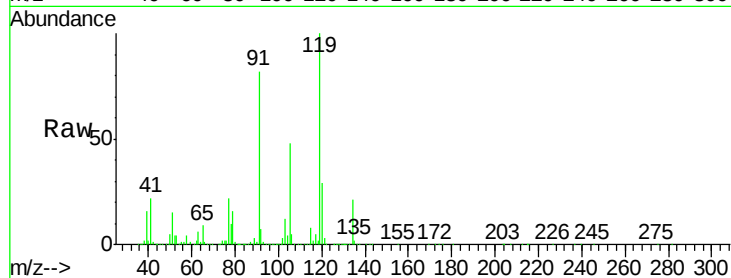
119 100

91 83.5 67.5 101.3

134 19.5 15.8 23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 5.857 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

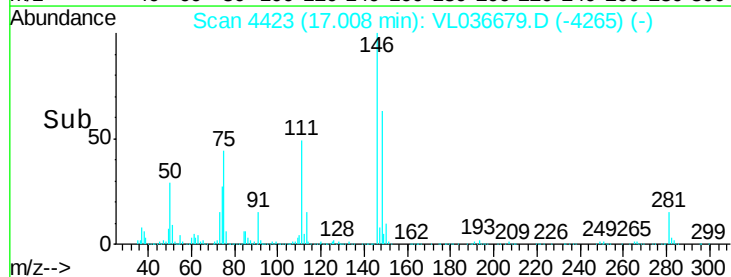
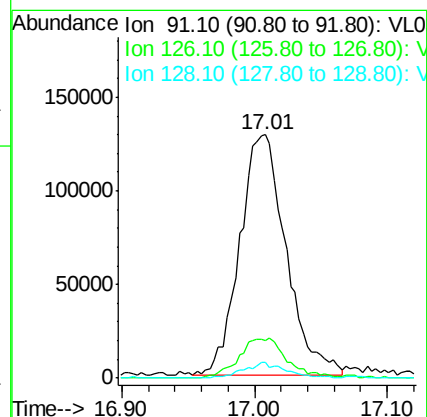
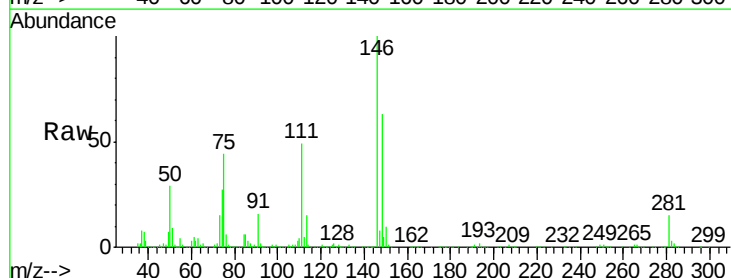
Tgt Ion: 91 Resp: 311230

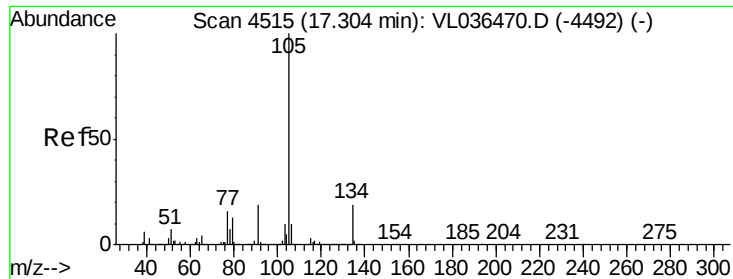
Ion Ratio Lower Upper

91 100

126 17.1 13.5 20.3

128 6.1 4.2 6.4





#67

sec-Butylbenzene

Concen: 8.383 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 105 Resp: 5688564

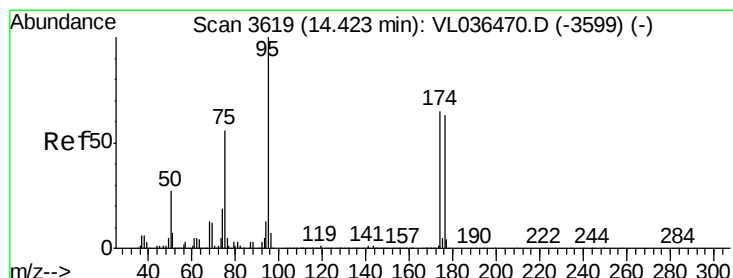
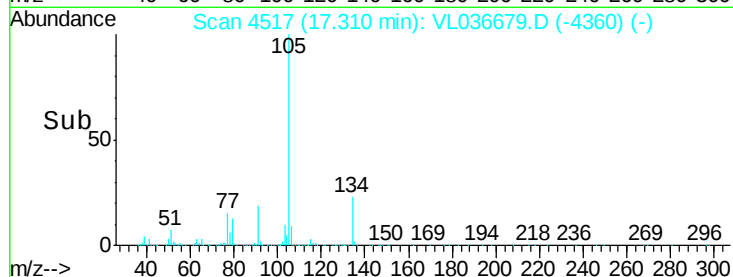
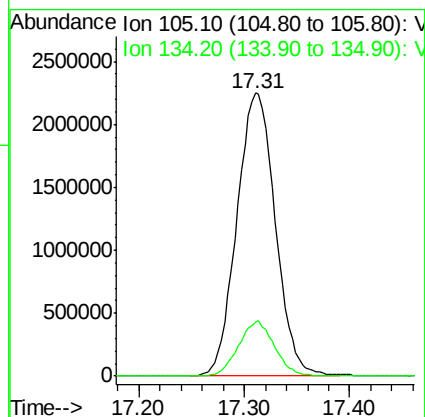
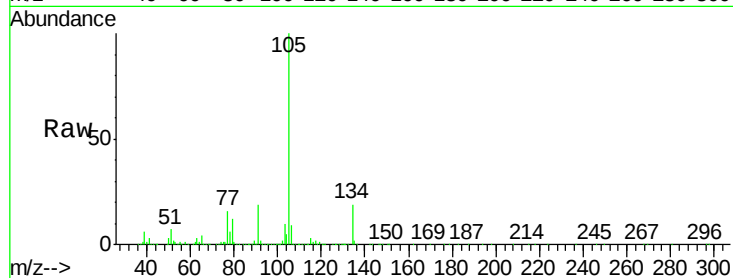
Ion Ratio Lower Upper

105 100

134 18.4 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.334 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

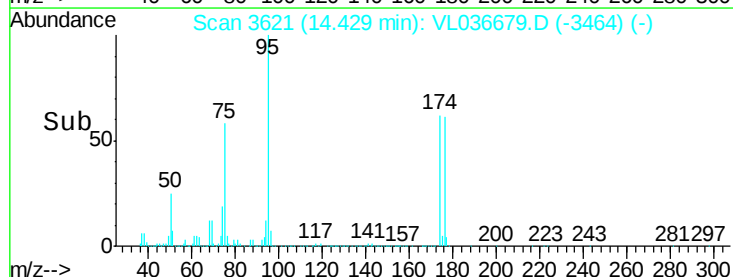
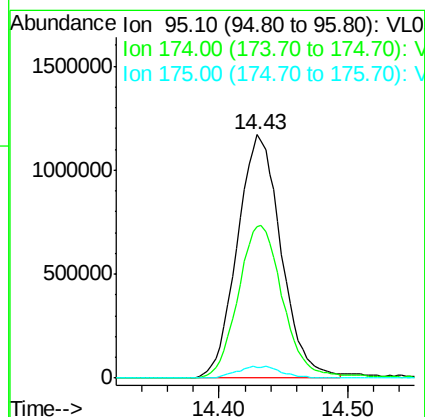
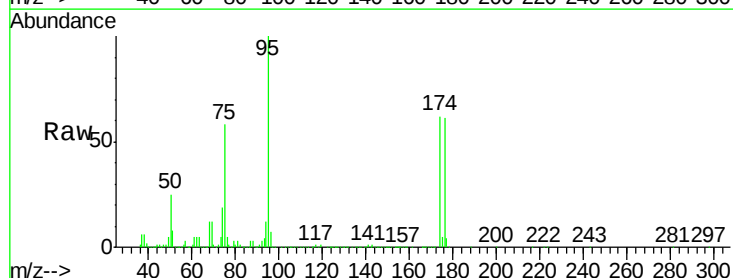
Tgt Ion: 95 Resp: 2763388

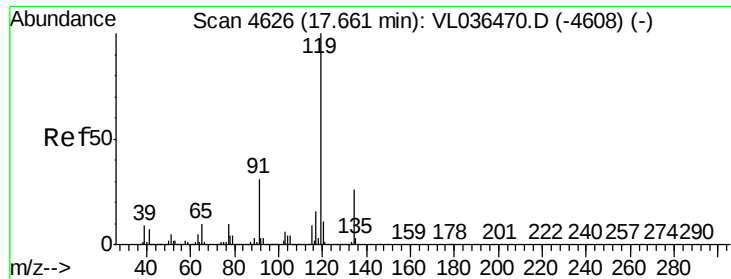
Ion Ratio Lower Upper

95 100

174 65.2 51.0 76.6

175 5.0 3.9 5.9





#69

p-Isopropyltoluene

Concen: 9.014 ppbv

RT: 17.67 min Scan# 4629

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 119 Resp: 4776251

Ion Ratio Lower Upper

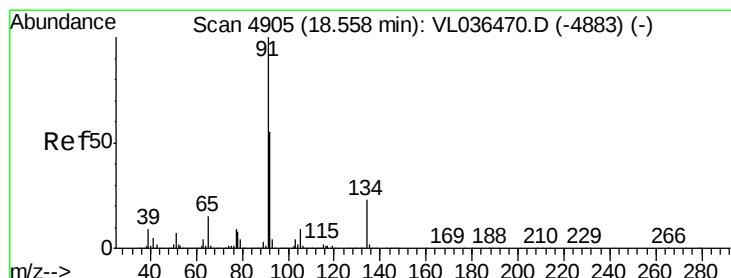
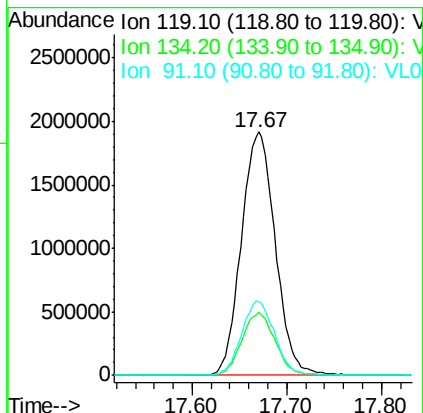
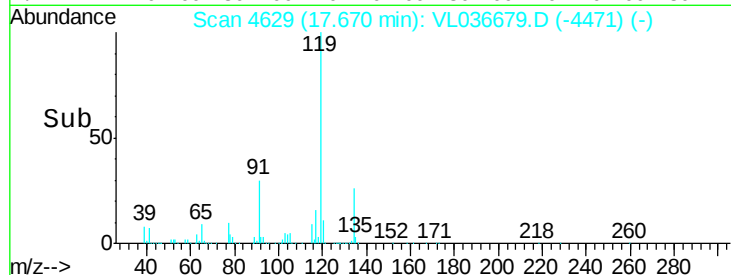
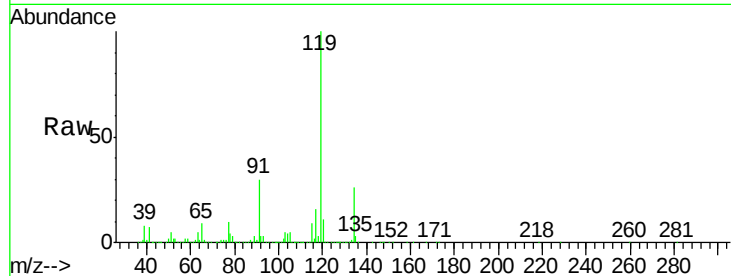
119 100

134 25.5 20.6 30.8

91 29.9 25.0 37.6

Manual Integrations
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#70

n-Butylbenzene

Concen: 8.765 ppbv

RT: 18.57 min Scan# 4908

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

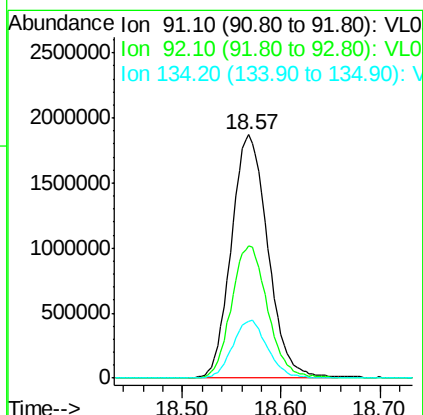
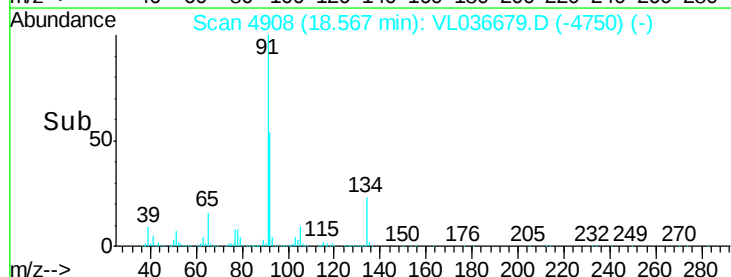
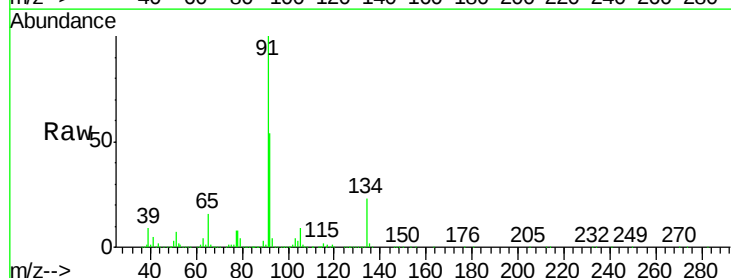
Tgt Ion: 91 Resp: 4815282

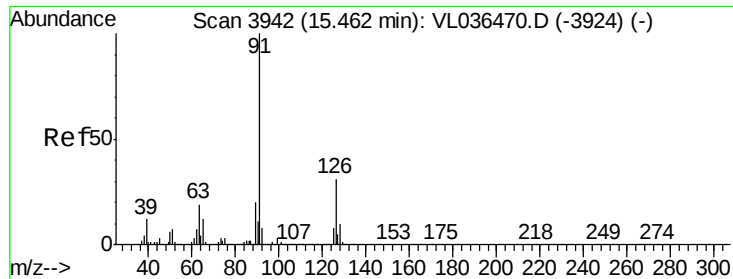
Ion Ratio Lower Upper

91 100

92 54.2 43.8 65.8

134 22.9 18.0 27.0





#71

2-Chlorotoluene

Concen: 8.532 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 91 Resp: 3544334

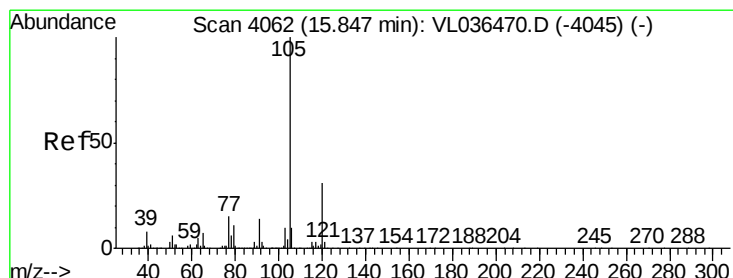
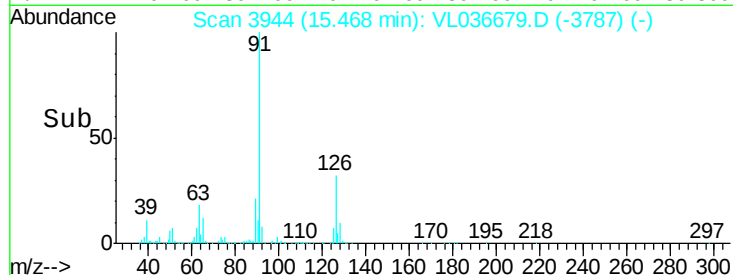
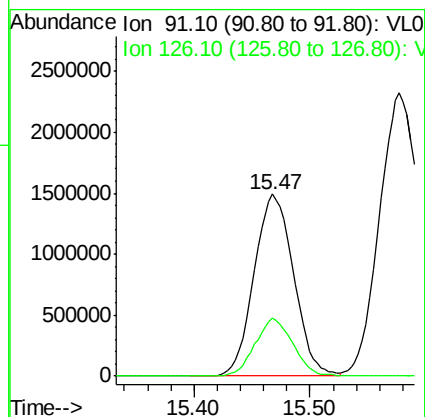
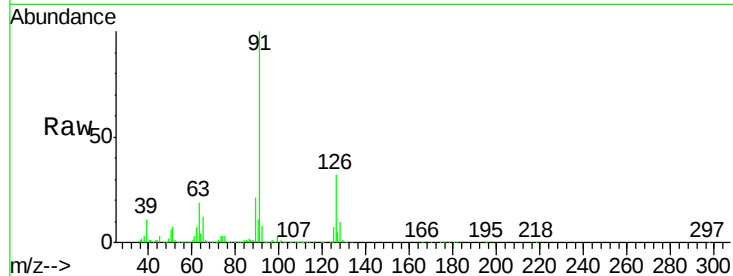
Ion Ratio Lower Upper

91 100

126 30.7 12.1 48.5

Manual Integrations
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#72

4-Ethyltoluene

Concen: 8.700 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 105 Resp: 3924601

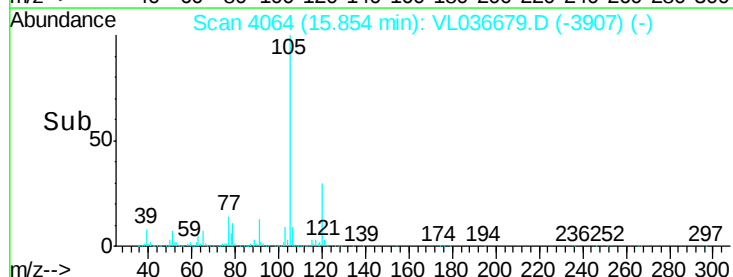
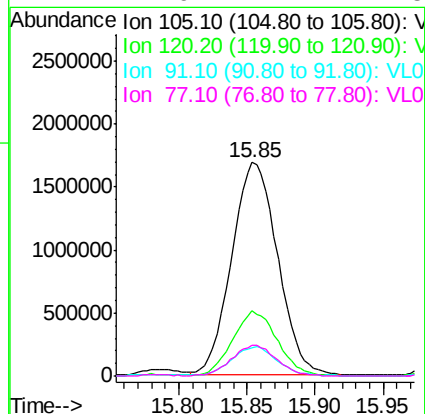
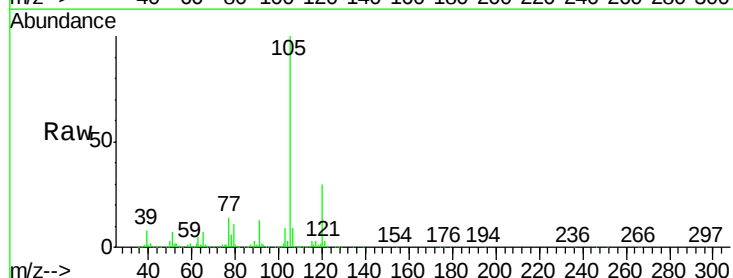
Ion Ratio Lower Upper

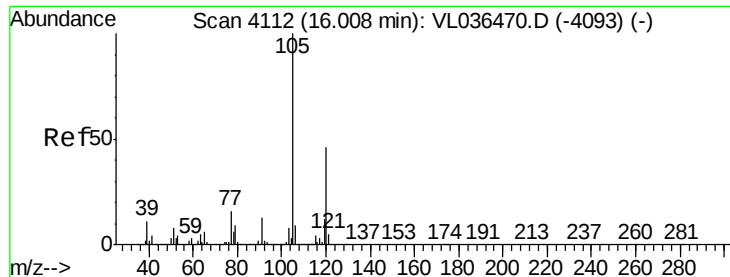
105 100

120 30.0 24.0 36.0

91 13.7 11.0 16.4

77 14.9 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.442 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:105 Resp: 3554140

Ion Ratio Lower Upper

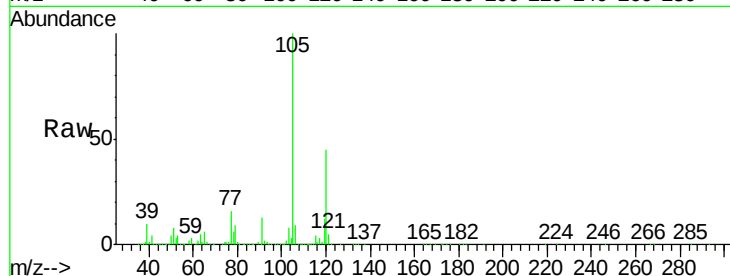
105 100

120 45.2 36.6 54.8

Manual Integrations
APPROVED

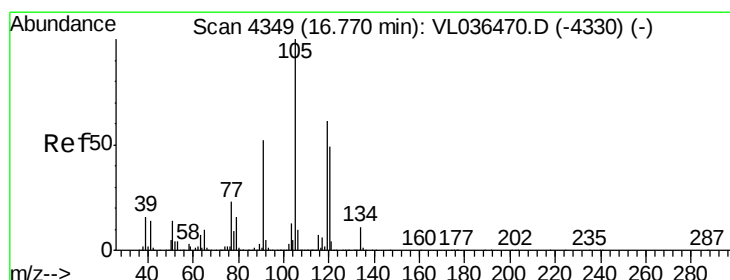
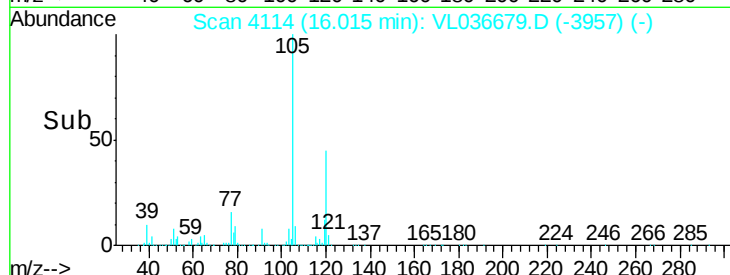
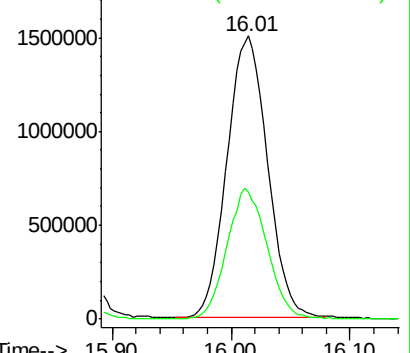
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.223 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion:105 Resp: 3705061

Ion Ratio Lower Upper

105 100

120 46.5 39.2 58.8

91 50.2 42.6 64.0

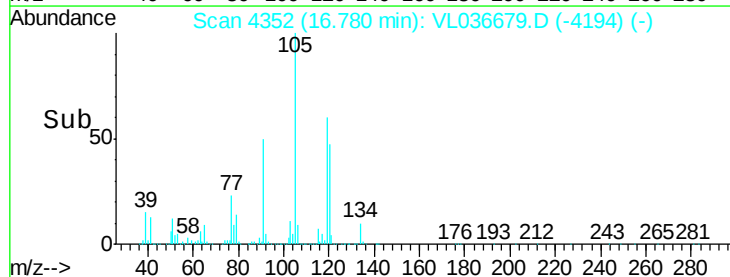
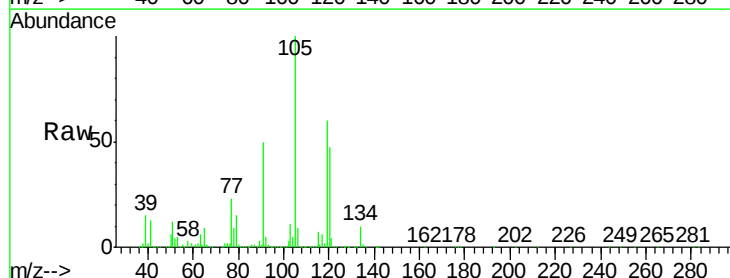
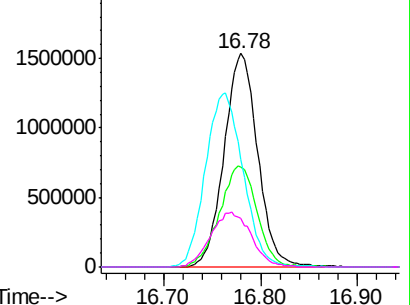
77 22.9 18.6 28.0

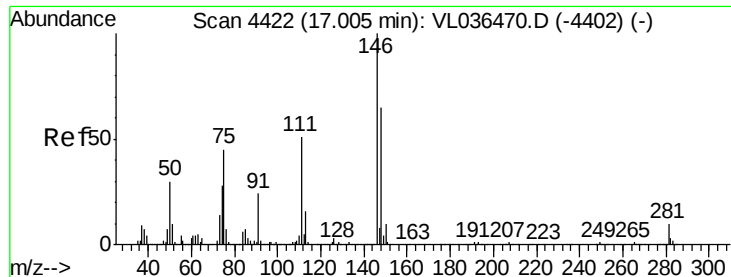
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.462 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:146 Resp: 2145945

Ion Ratio Lower Upper

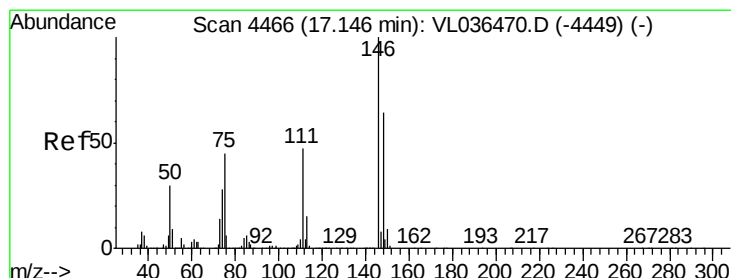
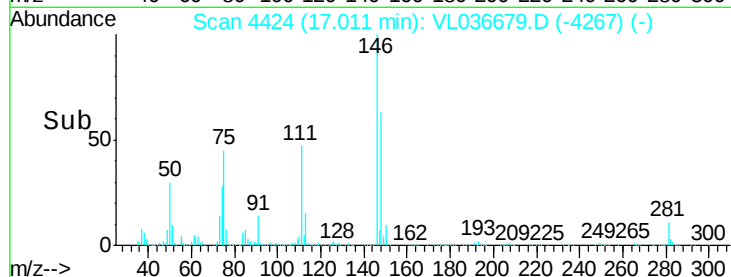
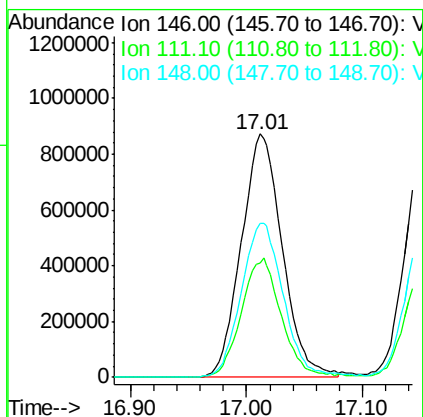
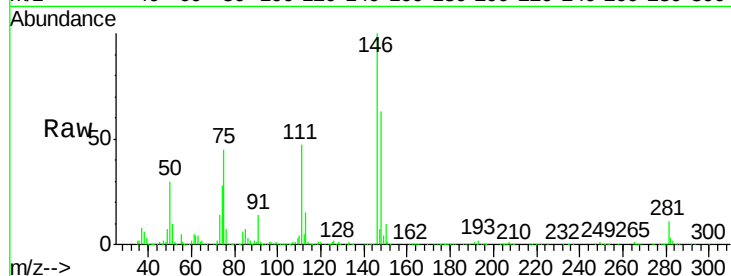
146 100

111 48.2 24.5 73.5

148 65.1 32.3 96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.217 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

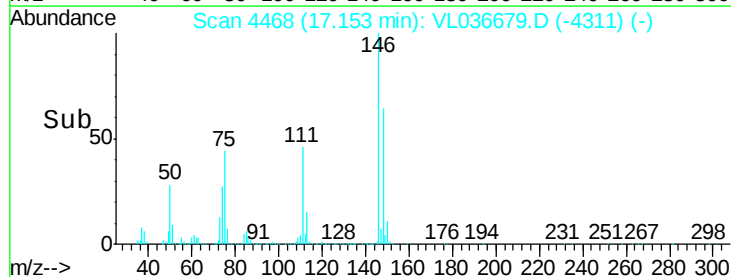
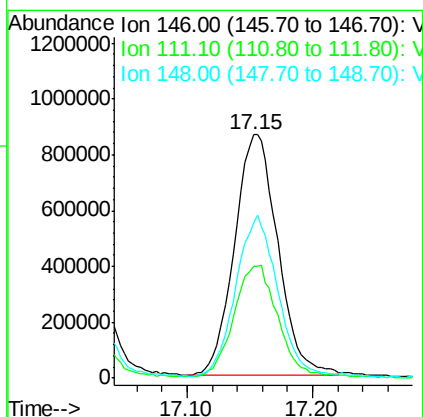
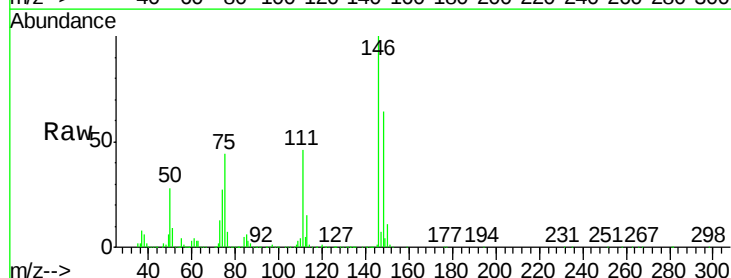
Tgt Ion:146 Resp: 2068969

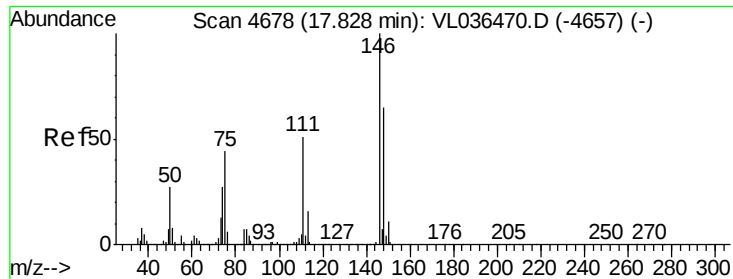
Ion Ratio Lower Upper

146 100

111 48.6 24.3 72.8

148 67.2 33.0 98.9





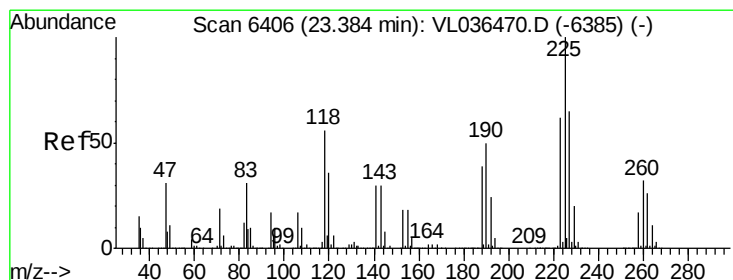
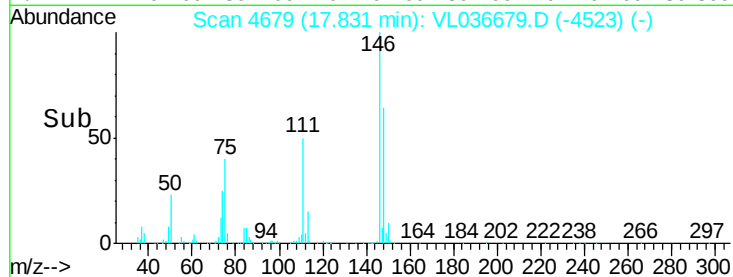
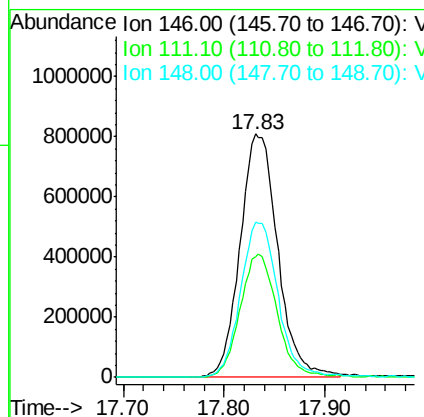
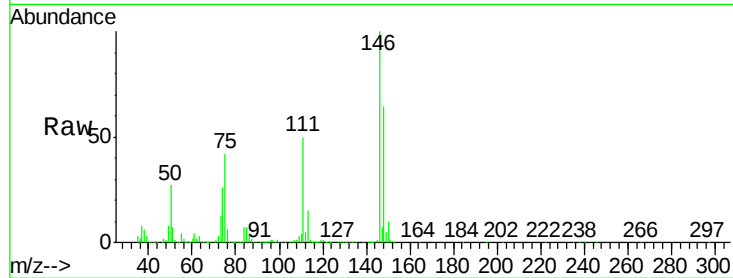
#77
 1,2-Dichlorobenzene
 Concen: 8.736 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion:146 Resp: 2082387
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.5 76.5
 148 64.2 32.9 98.6

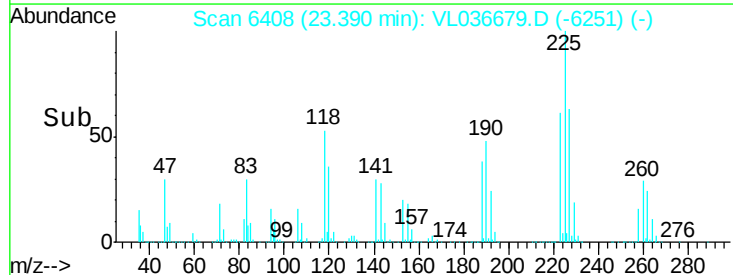
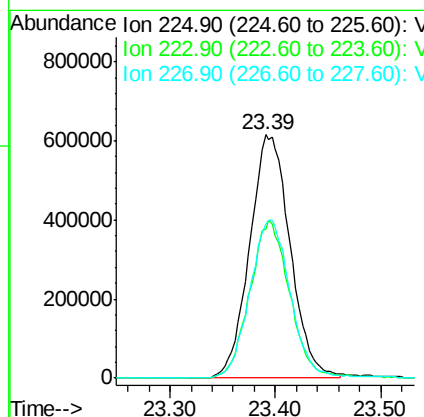
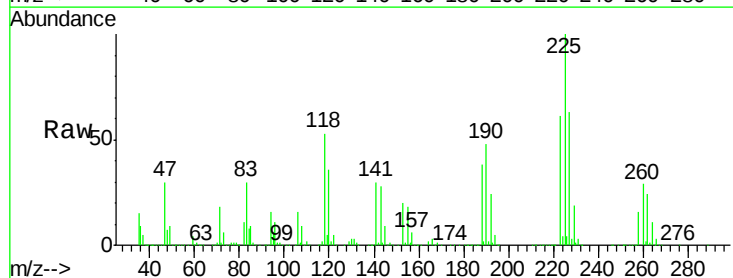
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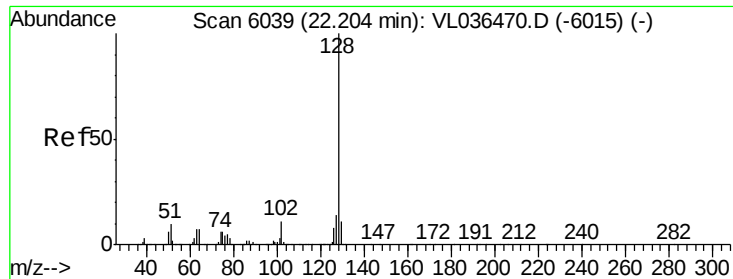
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.695 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion:225 Resp: 1642713
 Ion Ratio Lower Upper
 225 100
 223 64.4 50.6 75.8
 227 65.7 52.2 78.2





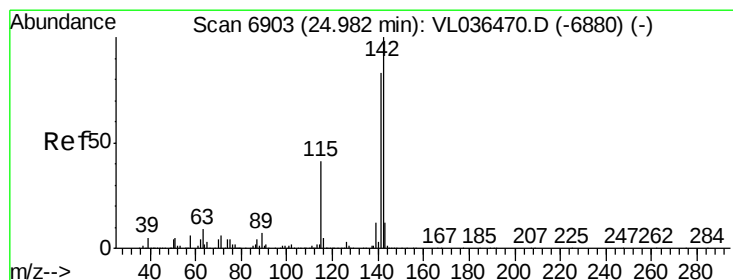
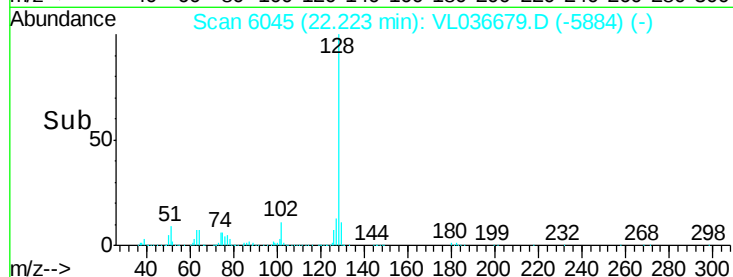
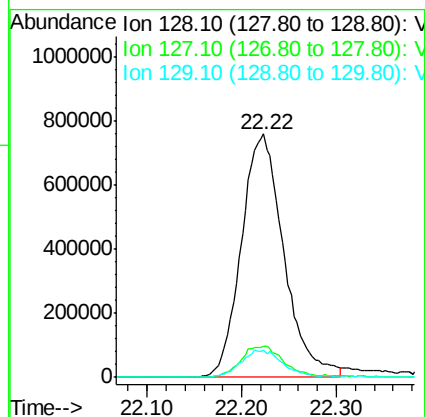
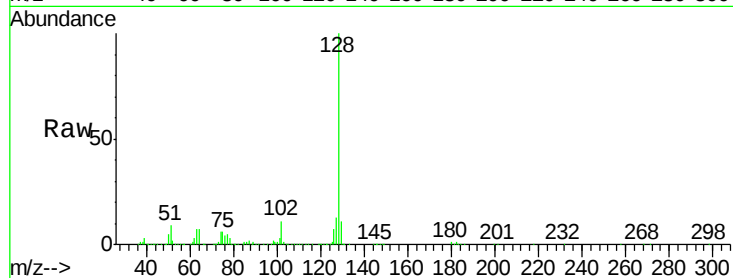
#79
Naphthalene
Concen: 8.971 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.02 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ion	Ratio	Lower	Upper
128	100			
127	12.9	10.9	16.3	
129	11.2	9.0	13.4	

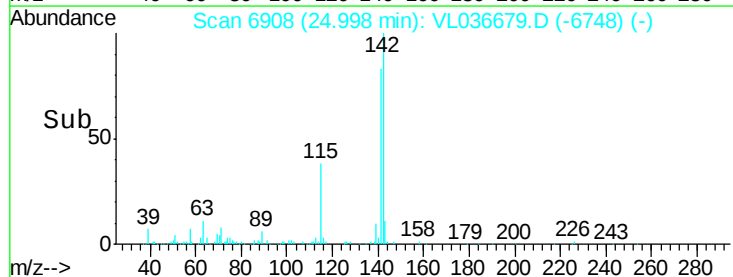
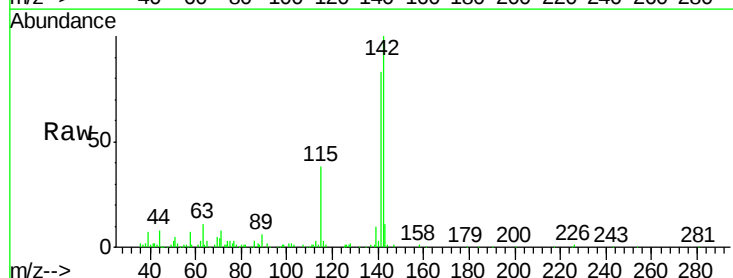
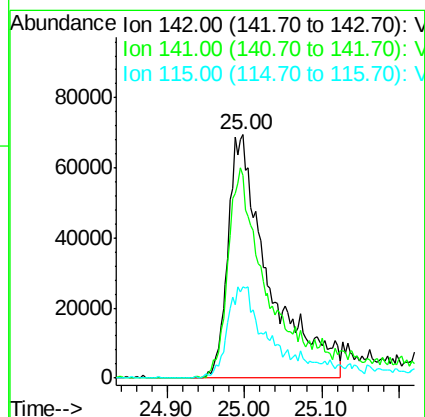
Manual Integrations
APPROVED

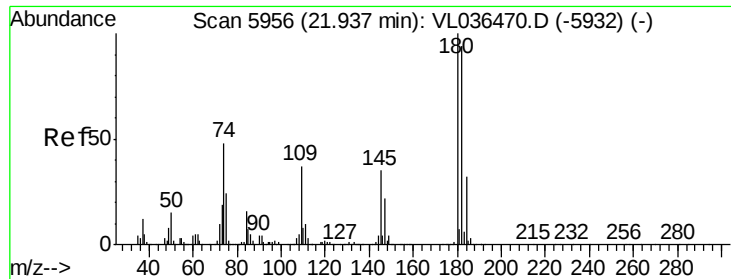
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#80
Naphthalene, 2-methyl-
Concen: 4.931 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.02 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ion	Ratio	Lower	Upper
142	100			
141	83.2	67.8	101.8	
115	42.6	34.0	51.0	





#81
 1,2,4-Trichlorobenzene
 Concen: 8.772 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	80.8	121.2
184	31.9	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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