

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036769.D
 Acq On : 9 Apr 2021 10:01
 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 5:42:34 PM

Quant Time: Apr 10 03:14:41 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	5.65	49	1420351	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3628330	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3001560m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2080517	8.70	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1922697	8.299	ppbv 97
3) Chlorodifluoromethane	2.98	51	2308656	8.700	ppbv 100
4) Chloromethane	3.13	50	826947	8.822	ppbv 98
5) Vinyl Chloride	3.25	62	789954	8.196	ppbv 96
6) Bromomethane	3.46	94	461010	8.688	ppbv 97
7) Chloroethane	3.55	64	283551	8.562	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	1928138	8.720	ppbv 99
9) Propene	3.00	41	758932	8.971	ppbv 99
10) Heptane	8.11	43	1961708	9.102	ppbv 100
11) Trichlorofluoromethane	3.94	101	2013731	8.530	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1323159	8.766	ppbv 100
13) Ethanol	3.59	45	103469m	10.270	ppbv
14) Bromoethene	3.73	108	541234	8.625	ppbv 97
15) Acetone	3.84	43	1103405	7.893	ppbv 97
16) 1,3-Butadiene	3.32	39	835346	8.583	ppbv 96
17) tert-Butyl alcohol	4.28	59	1279884	10.517	ppbv 99
18) 1,1-Dichloroethene	4.28	96	571779	8.516	ppbv 96
19) Isopropyl Alcohol	3.95	45	760390	9.888	ppbv # 97
20) Methylene Chloride	4.33	84	526370	8.042	ppbv 99
21) Allyl Chloride	4.40	41	1007041	9.037	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	575802	9.250	ppbv 91
23) Vinyl Acetate	5.06	43	2273914	9.509	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1531136	8.785	ppbv 99
25) Ethyl Acetate	5.67	43	3043644	9.158	ppbv 100
26) Hexane	5.67	57	1417967	9.194	ppbv 99
27) Carbon Disulfide	4.54	76	1499891	9.872	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1726359	9.491	ppbv 100
29) Chloroform	5.74	83	2216020	8.984	ppbv 98
30) Cyclohexane	7.12	84	1224727	9.791	ppbv 96
31) cis-1,2-Dichloroethene	5.54	61	1417963	9.505	ppbv 96
32) 1,1,1-Trichloroethane	6.50	97	2248572	9.046	ppbv 99
34) 2-Butanone	5.23	43	1514061	8.549	ppbv 99
35) Carbon Tetrachloride	7.01	117	2378771	8.536	ppbv 98
36) Benzene	6.88	78	2962031	8.852	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1710405	8.684	ppbv 100
38) Trichloroethene	7.82	130	1051385	8.073	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1146405	8.445	ppbv 98
40) 1,4-Dioxane	7.82	88	305588	9.673	ppbv 70
41) Tetrahydrofuran	6.04	42	736723	9.022	ppbv 96
42) Bromodichloromethane	7.78	83	2410452	8.998	ppbv 99
43) Methyl Methacrylate	8.00	69	1065350	9.481	ppbv 98

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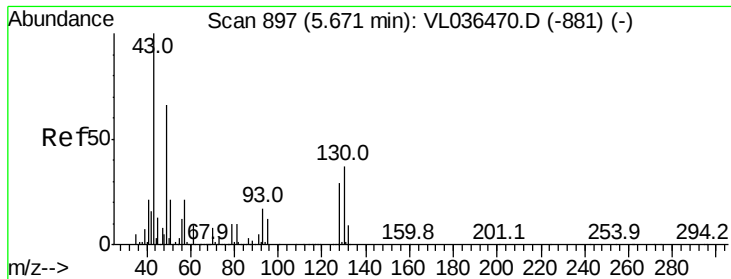
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4953045	8.410	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1282014	9.992	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1603290	9.775	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1206427	8.775	ppbv	94
48) Dibromochloromethane	10.29	129	2002951	9.556	ppbv	100
49) Bromoform	13.03	173	1642206	9.724	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2273640	8.872	ppbv	100
51) 2-Hexanone	10.12	43	1214346	9.390	ppbv #	98
52) Tetrachloroethene	11.21	164	997843	8.098	ppbv	93
53) Toluene	9.80	91	3330814	9.347	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1743940	8.982	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1347440	9.925	ppbv	98
57) Chlorobenzene	12.14	112	2442869	9.565	ppbv	99
58) Ethyl Benzene	12.70	91	4447254	10.184	ppbv	99
59) m/p-Xylene	12.99	91	7538806m	19.793	ppbv	
60) o-Xylene	13.68	91	3533261	9.594	ppbv	100
61) Styrene	13.52	104	2072771	11.187	ppbv	99
62) Isopropylbenzene	14.66	105	4783712	9.646	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2587240	9.209	ppbv	99
64) n-propylbenzene	15.55	120	1256653	10.364	ppbv	100
65) tert-Butylbenzene	16.74	119	4180513	9.721	ppbv	100
66) Benzyl Chloride	16.98	91	567216	11.933	ppbv	97
67) sec-Butylbenzene	17.29	105	5867807	9.666	ppbv	100
69) p-Isopropyltoluene	17.64	119	4857255	10.246	ppbv	99
70) n-Butylbenzene	18.54	91	4984714	10.142	ppbv	99
71) 2-Chlorotoluene	15.45	91	3697652	9.950	ppbv	99
72) 4-Ethyltoluene	15.83	105	4218553	10.454	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3789223	10.060	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	3916837	9.718	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2274601	10.026	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2164606	9.609	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2186274	10.252	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1599174	8.373	ppbv	99
79) Naphthalene	22.19	128	2678358	11.388	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	539706	11.637	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1495687	10.300	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

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Tot Ion: 49 Resp: 1420351

Ion Ratio Lower Upper

49 100

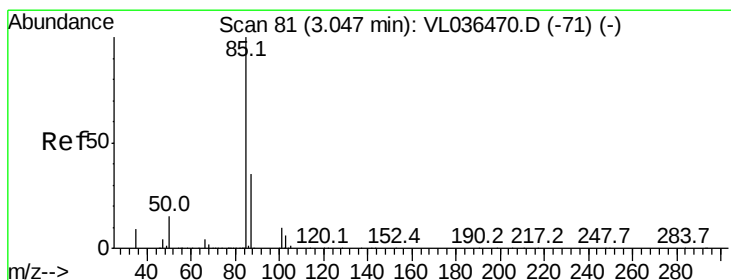
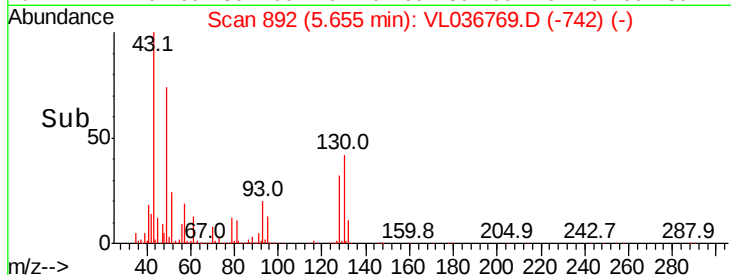
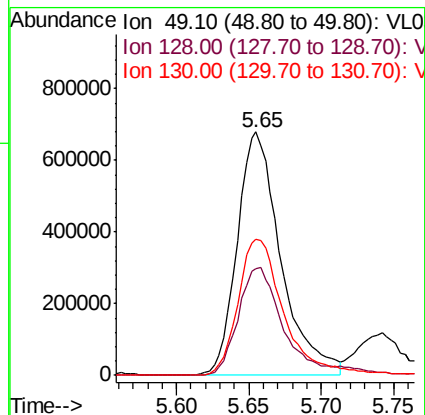
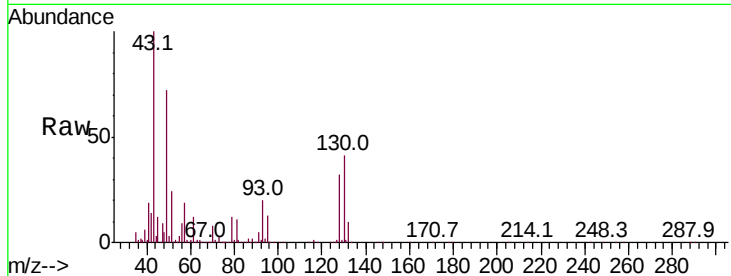
128 48.4 23.5 70.6

130 60.4 29.1 87.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.299 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036769.D

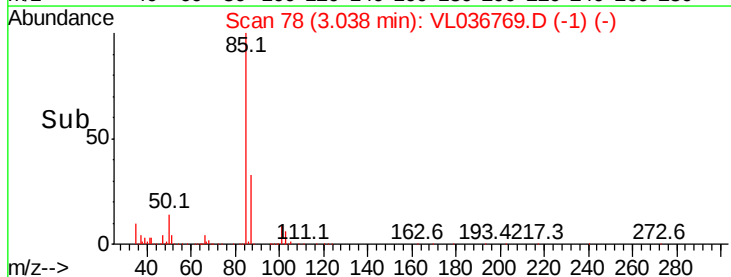
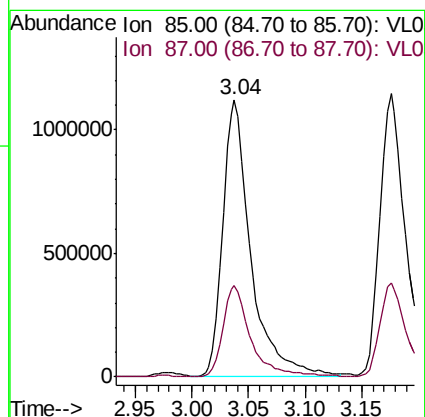
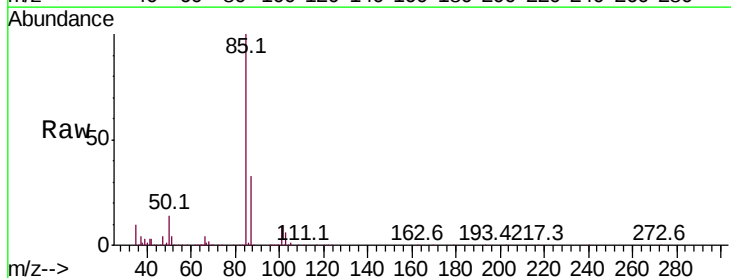
Acq: 9 Apr 2021 10:01

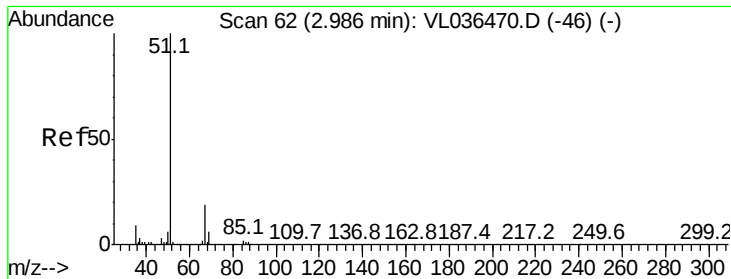
Tgt Ion: 85 Resp: 1922697

Ion Ratio Lower Upper

85 100

87 32.8 27.8 41.8





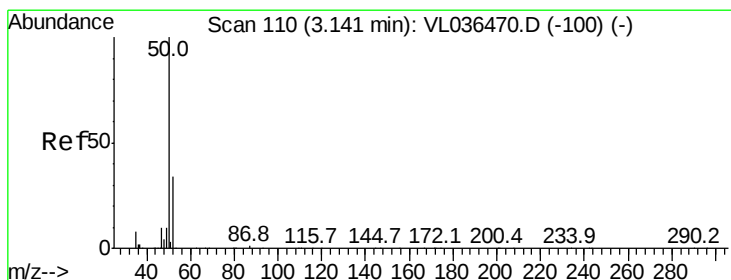
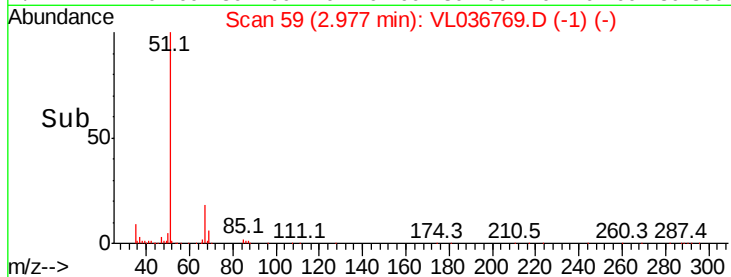
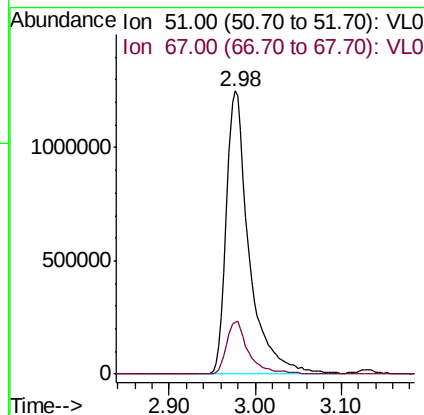
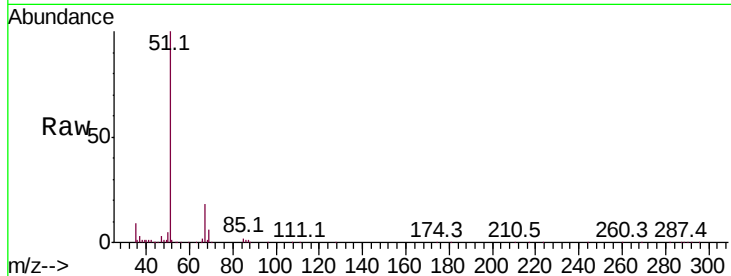
#3
Chlorodifluoromethane
Concen: 8.700 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 2308656
Ion Ratio Lower Upper
51 100
67 18.2 14.7 22.1

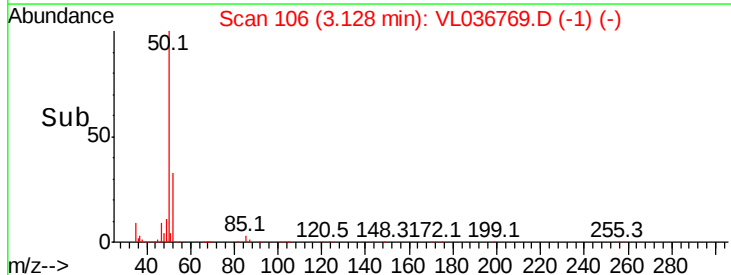
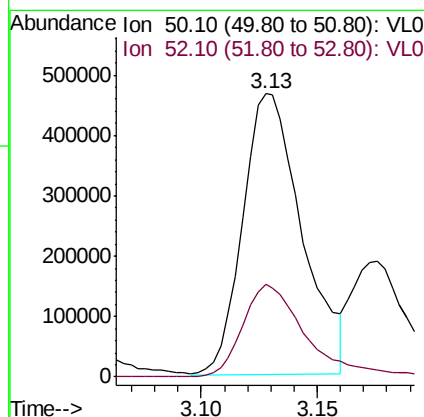
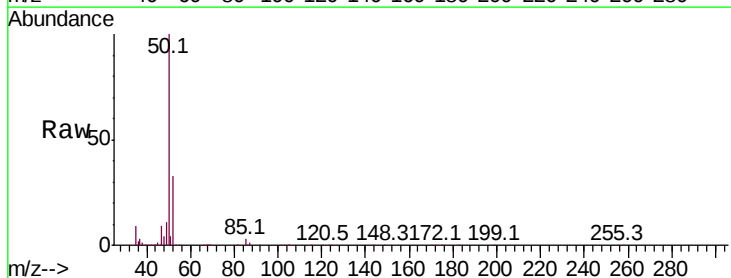
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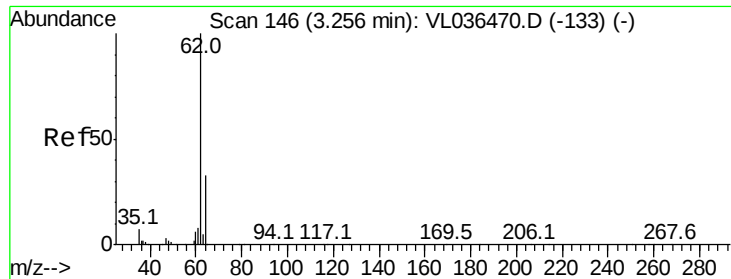
MMDadoda
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#4
Chloromethane
Concen: 8.822 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 50 Resp: 826947
Ion Ratio Lower Upper
50 100
52 32.9 27.0 40.6





#5

Vinyl Chloride

Concen: 8.196 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 789954

Ion Ratio Lower Upper

62 100

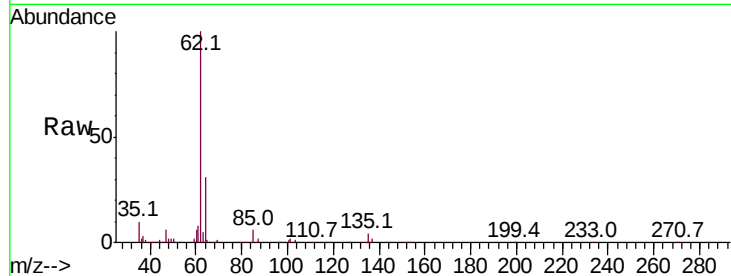
64 30.9 26.4 39.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

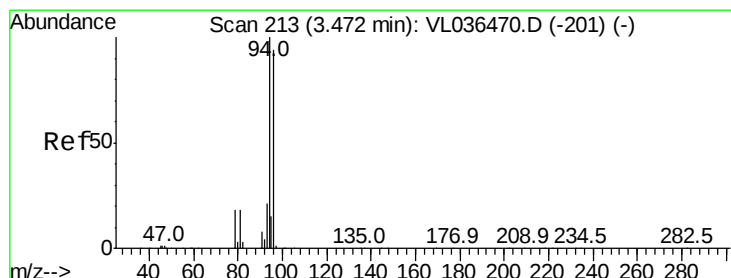
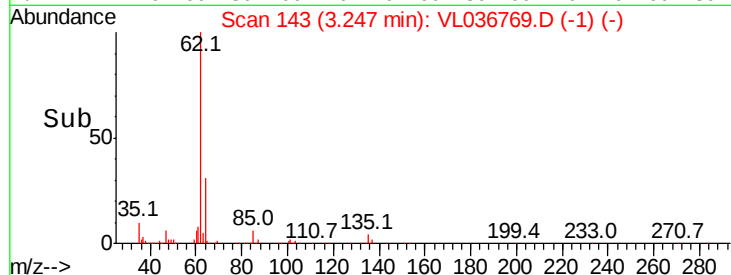
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.688 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036769.D

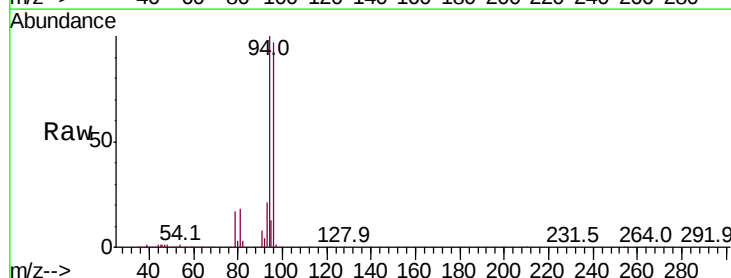
Acq: 9 Apr 2021 10:01

Tgt Ion: 94 Resp: 461010

Ion Ratio Lower Upper

94 100

96 96.5 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

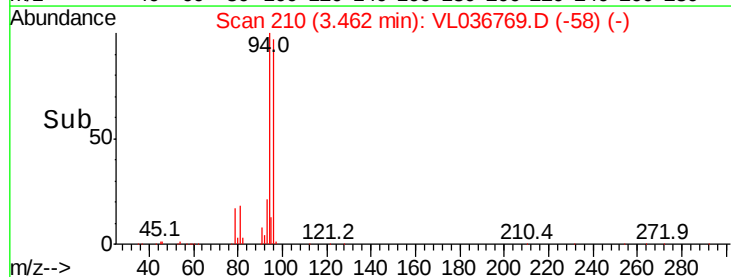
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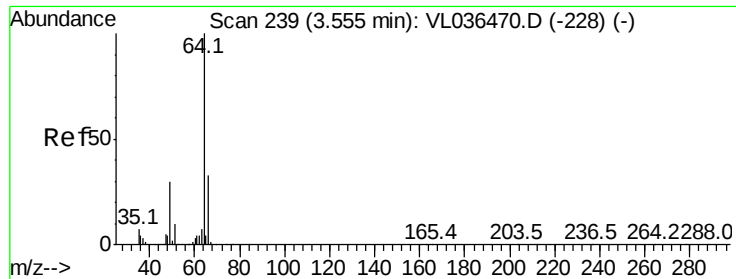
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.562 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 283551

Ion Ratio Lower Upper

64 100

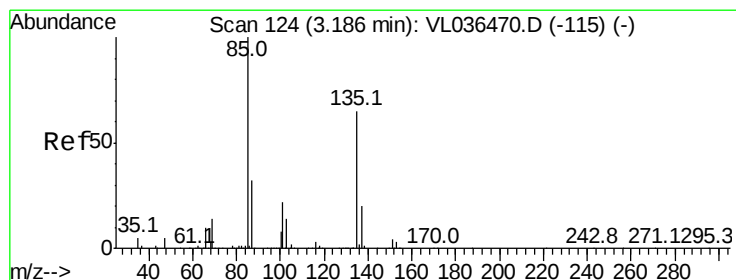
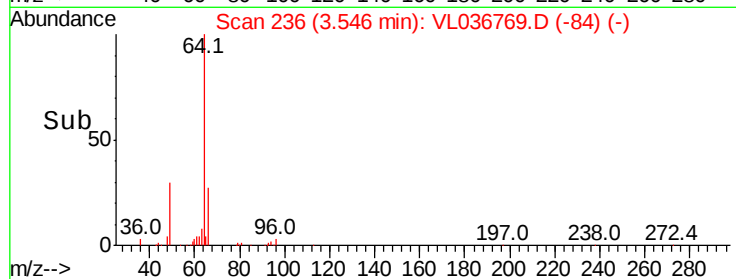
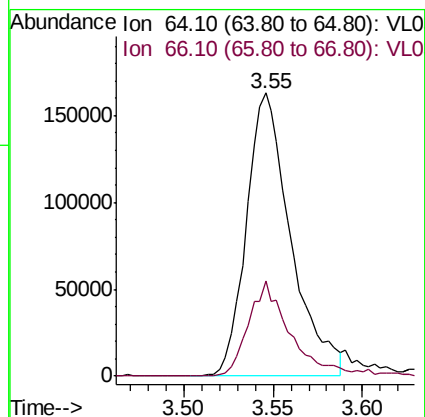
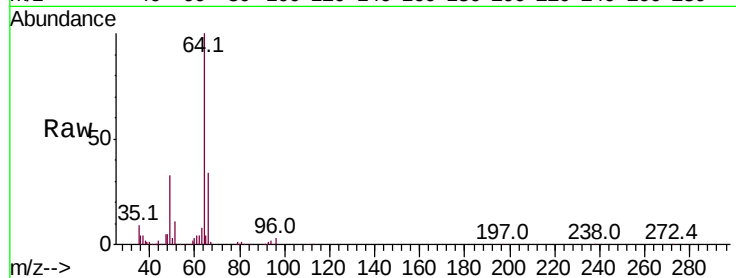
66 33.6 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.720 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL036769.D

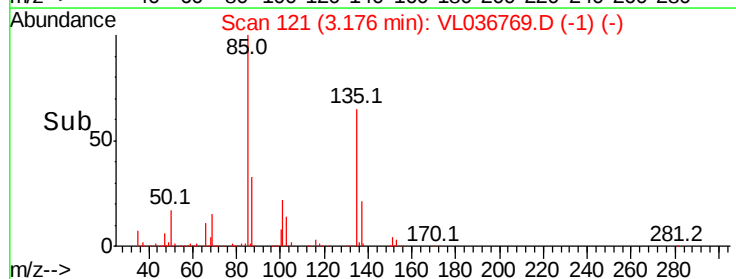
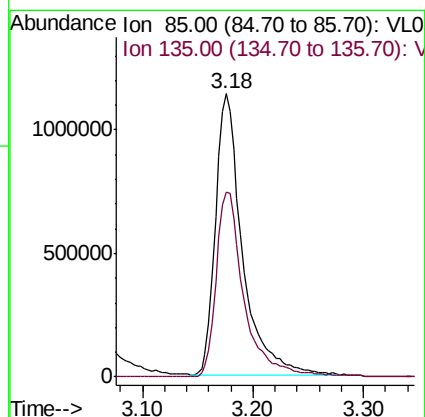
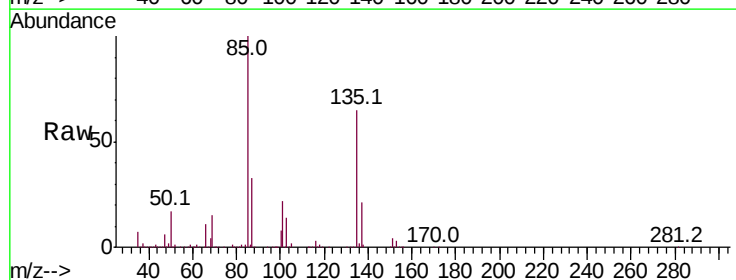
Acq: 9 Apr 2021 10:01

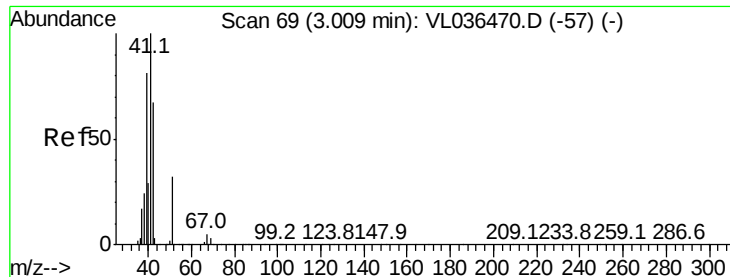
Tgt Ion: 85 Resp: 1928138

Ion Ratio Lower Upper

85 100

135 68.8 54.3 81.5





#9

Propene

Concen: 8.971 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 758932

Ion Ratio Lower Upper

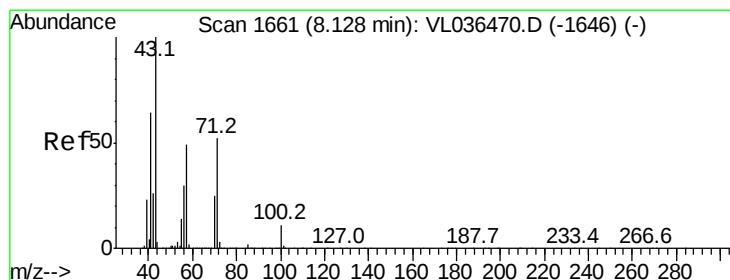
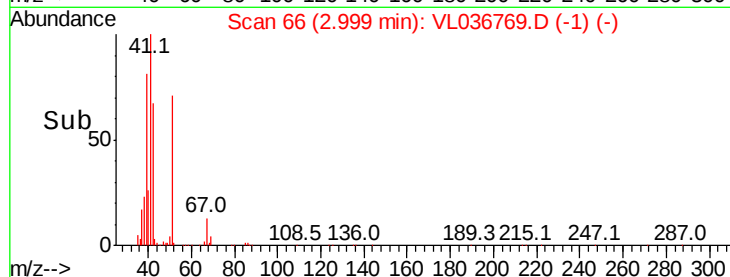
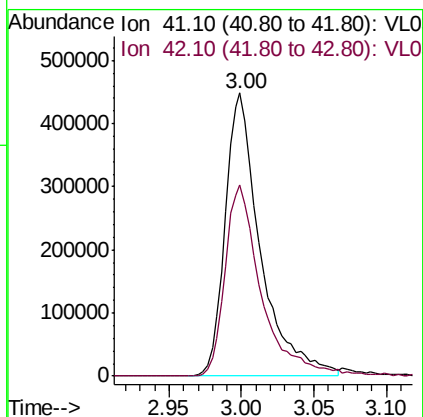
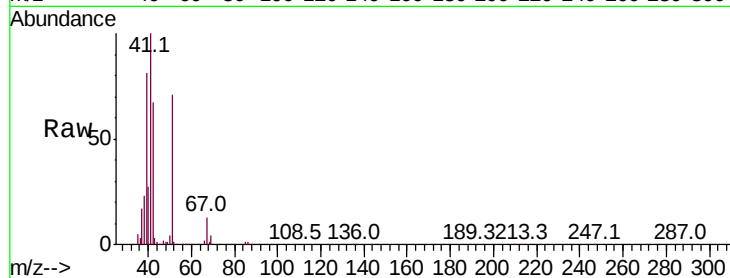
41 100

42 70.2 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 9.102 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL036769.D

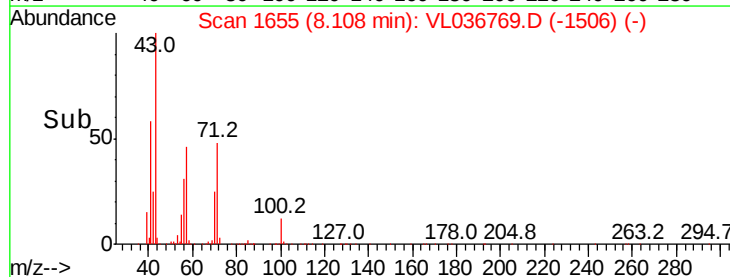
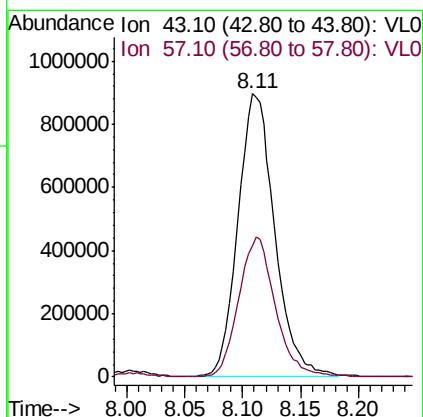
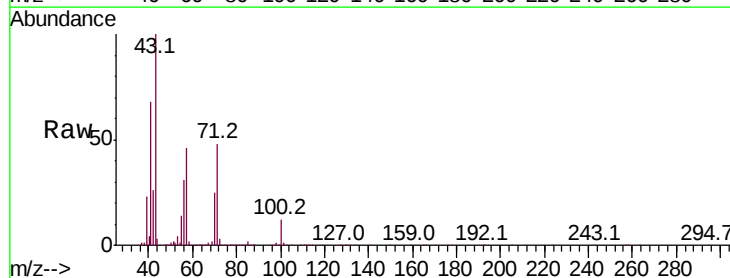
Acq: 9 Apr 2021 10:01

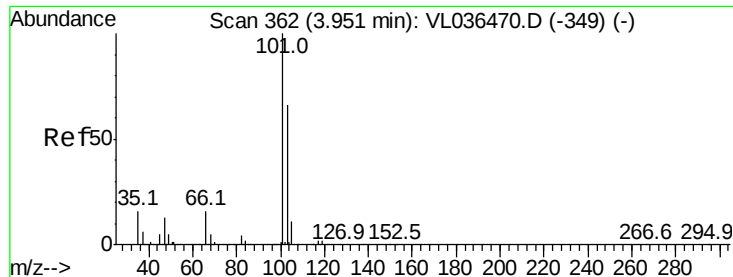
Tgt Ion: 43 Resp: 1961708

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6





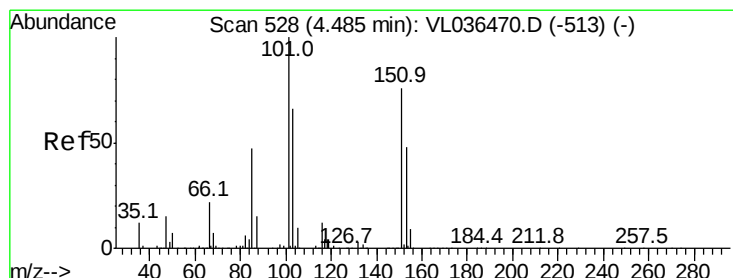
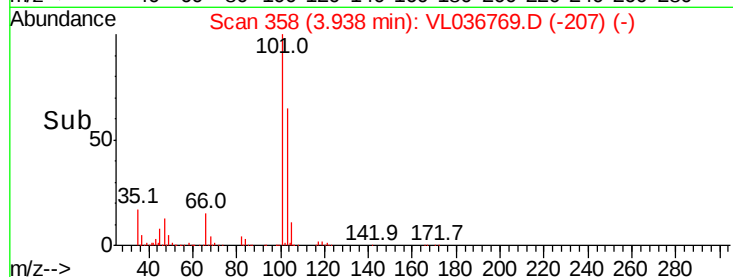
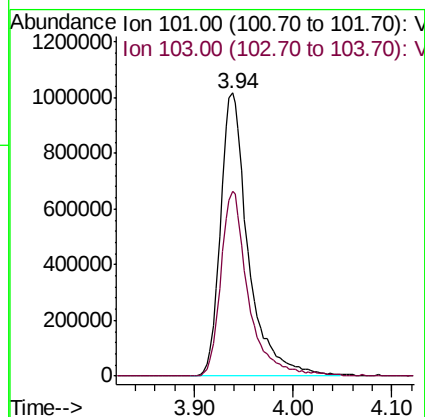
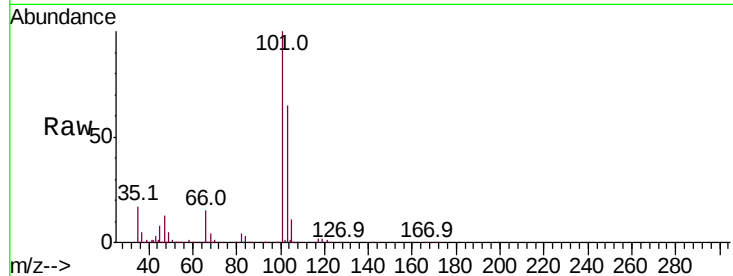
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 Trichlorofluoromethane
 Concen: 8.530 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2013731
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.5 78.7

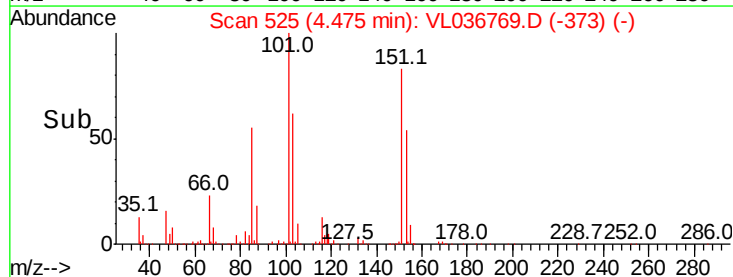
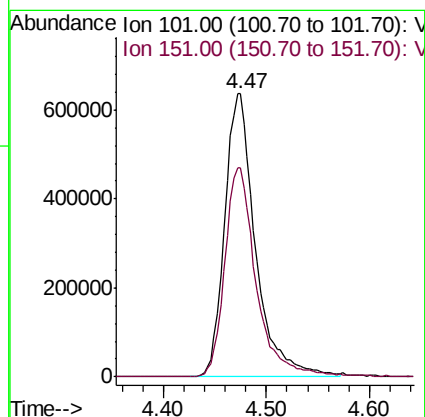
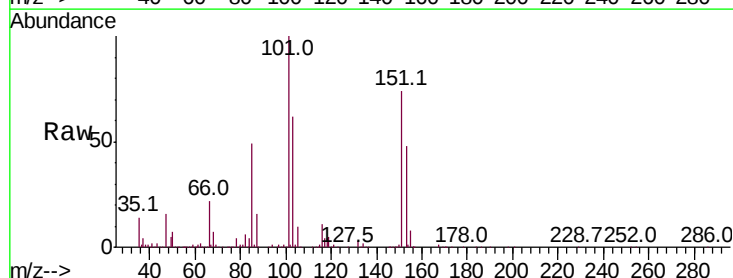
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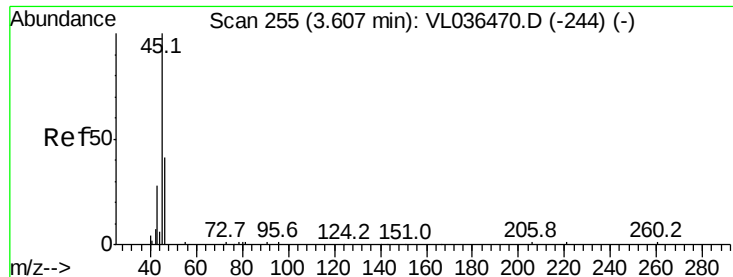
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.766 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion:101 Resp: 1323159
 Ion Ratio Lower Upper
 101 100
 151 75.8 60.9 91.3





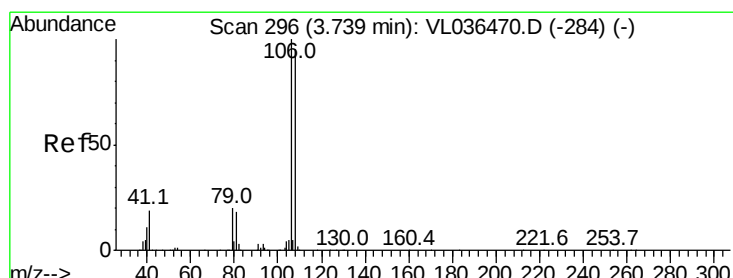
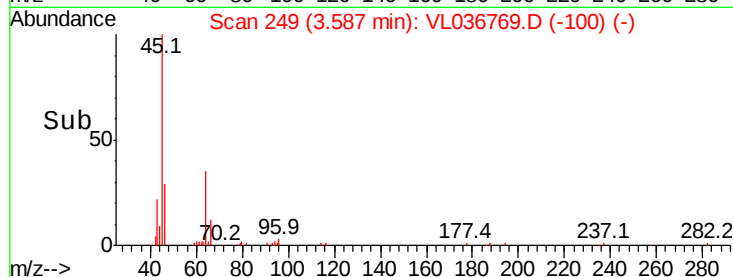
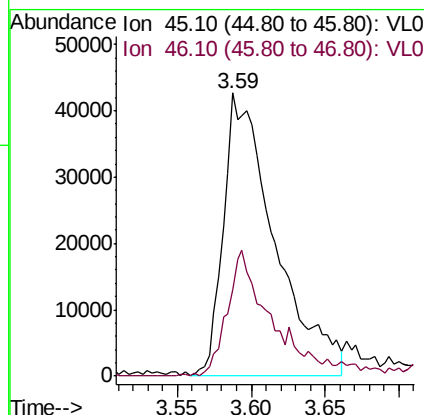
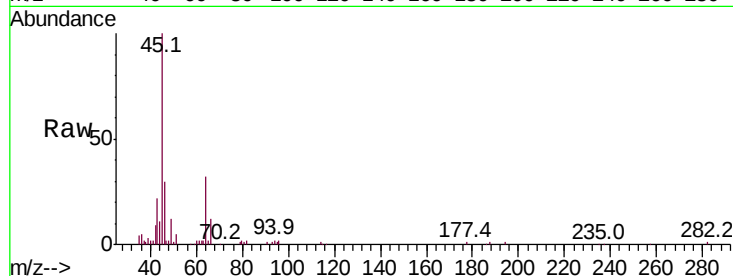
#13
Ethanol
Concen: 10.270 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	41.7	16.6	66.2

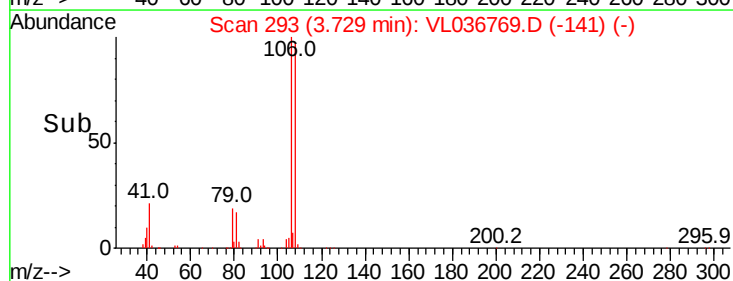
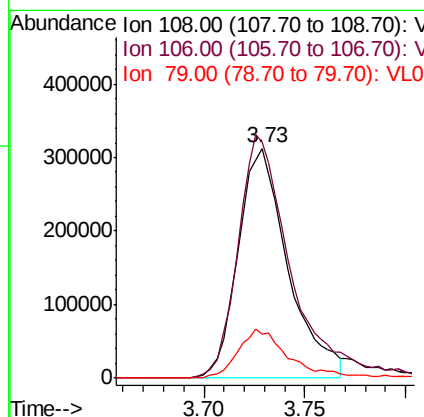
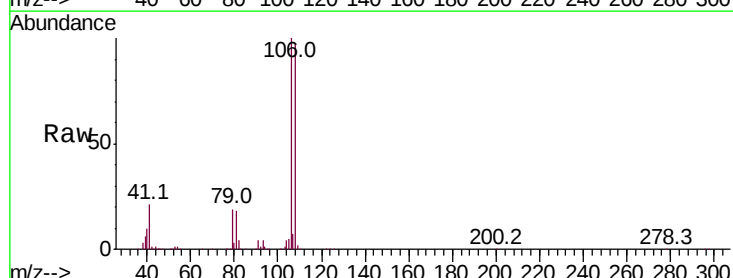
Manual Integrations
APPROVED

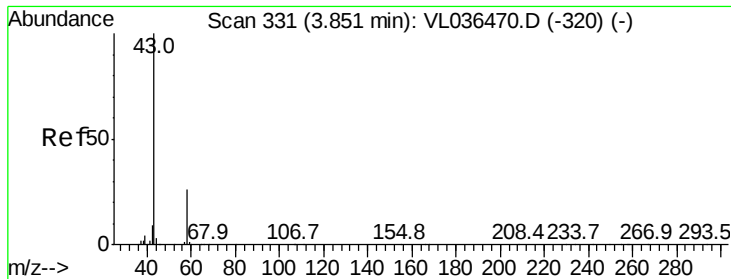
MMDadoda
4/12/2021 5:42:34 PM



#14
Bromoethene
Concen: 8.625 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	114.8	89.0	133.6
79	22.8	16.6	25.0





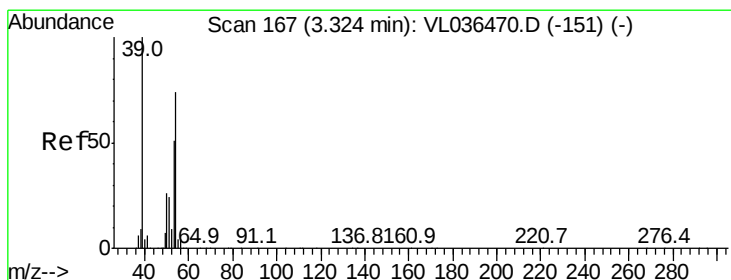
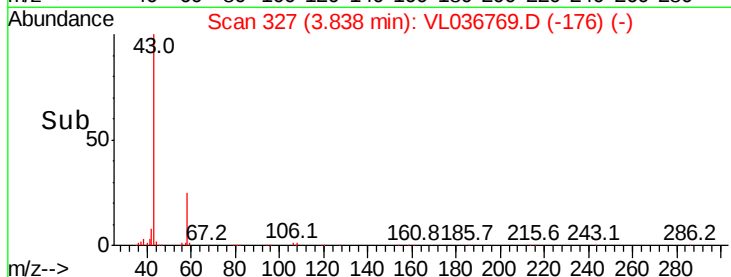
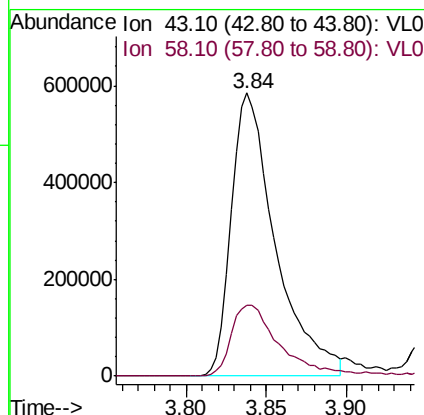
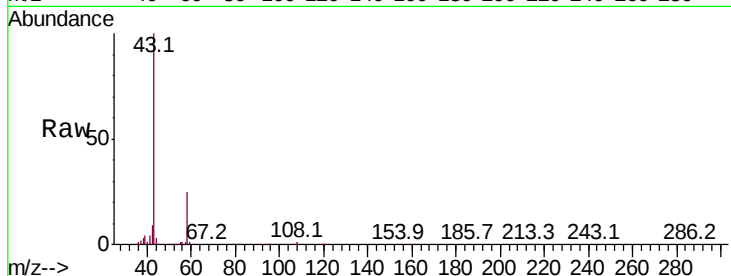
#15
Acetone
Concen: 7.893 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1103405
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8

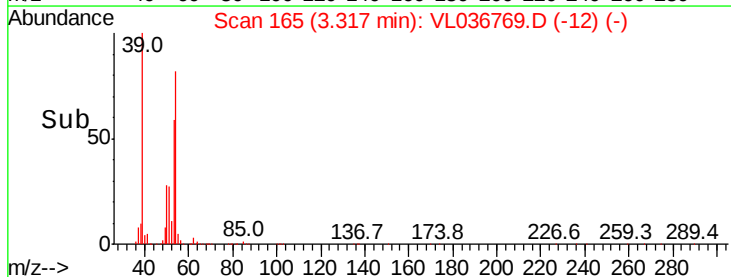
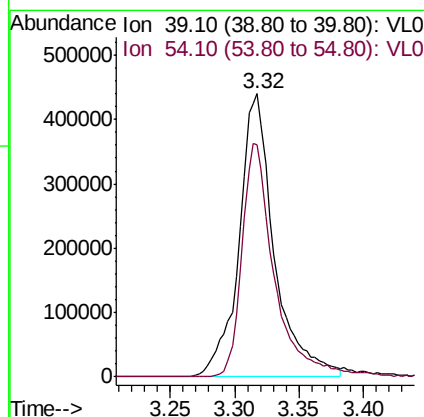
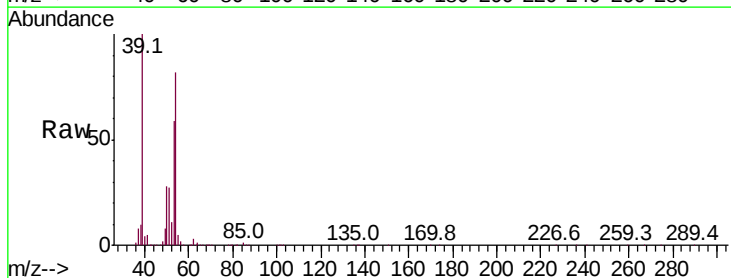
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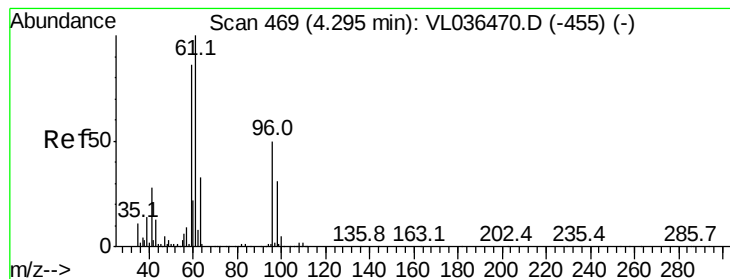
MMDadoda
4/12/2021 5:42:34 PM



#16
1,3-Butadiene
Concen: 8.583 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 39 Resp: 835346
Ion Ratio Lower Upper
39 100
54 76.9 58.8 88.2





#17

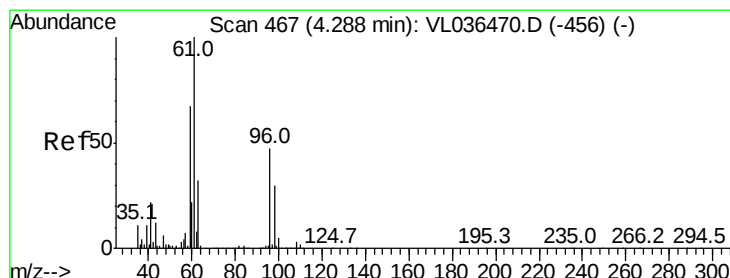
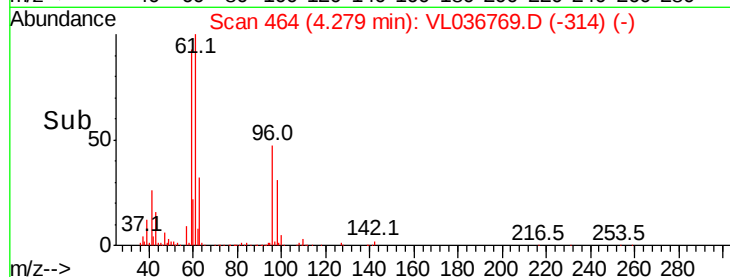
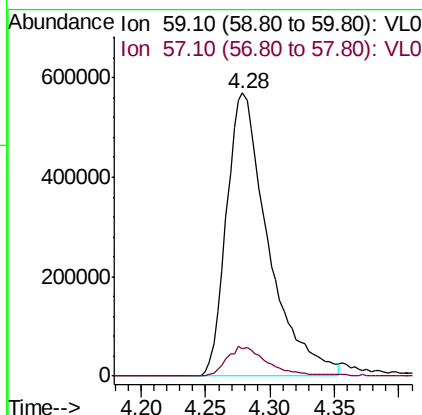
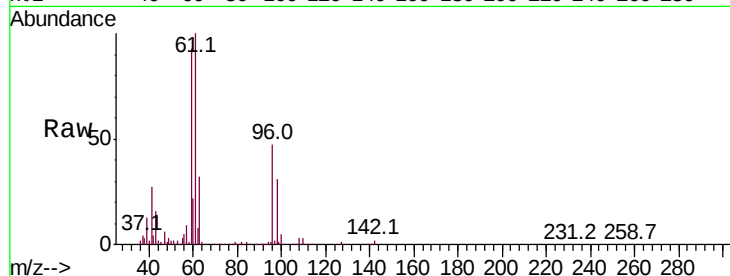
tert-Butyl alcohol
Concen: 10.517 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1279884
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

Manual Integrations
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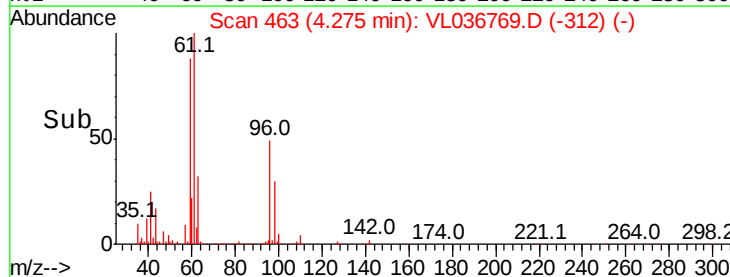
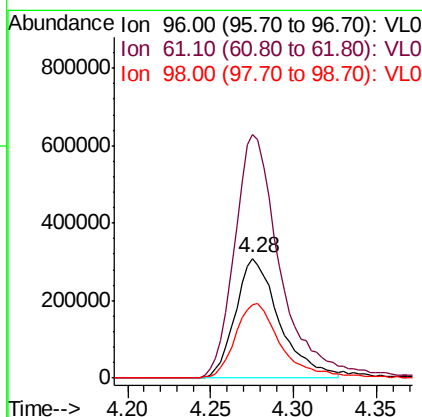
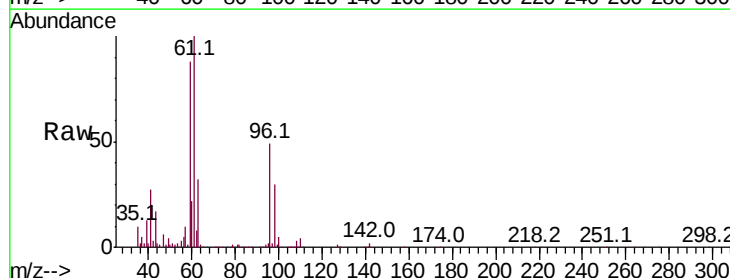
MMDadoda
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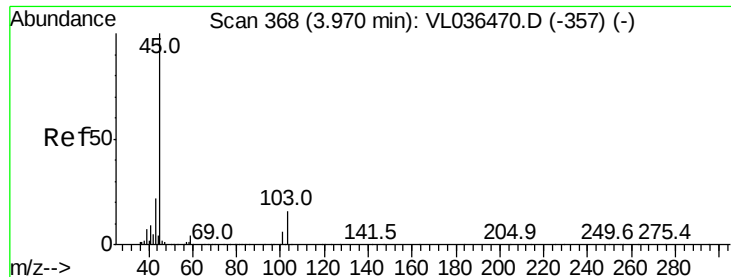


#18

1,1-Dichloroethene
Concen: 8.516 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 96 Resp: 571779
Ion Ratio Lower Upper
96 100
61 203.2 168.6 253.0
98 61.5 50.8 76.2





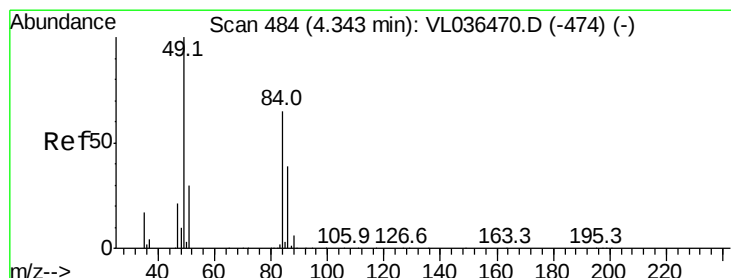
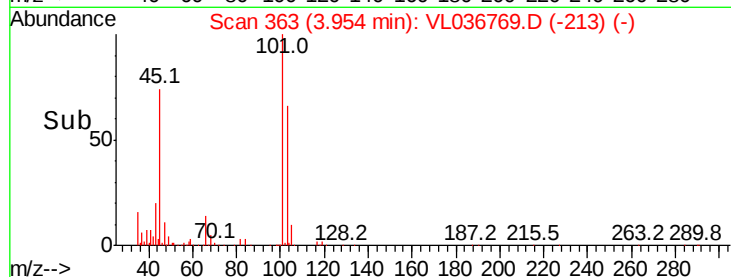
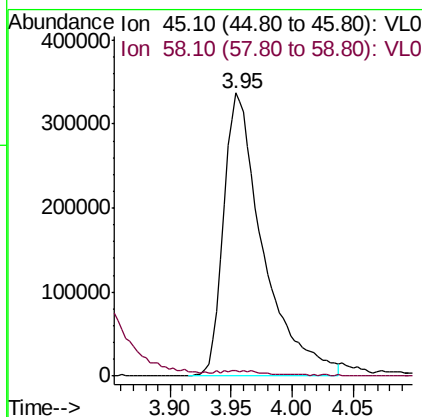
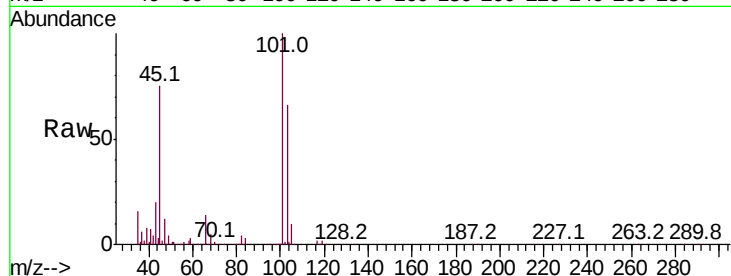
#19
Isopropyl Alcohol
Concen: 9.888 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.6	2.9	4.3#

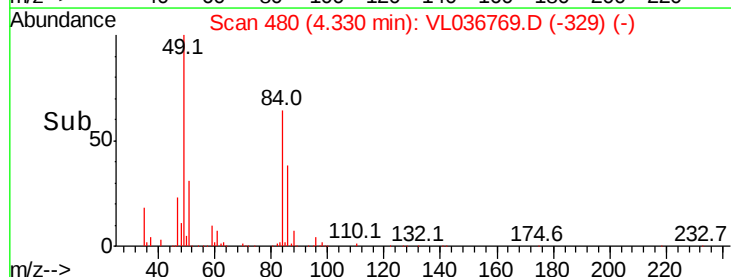
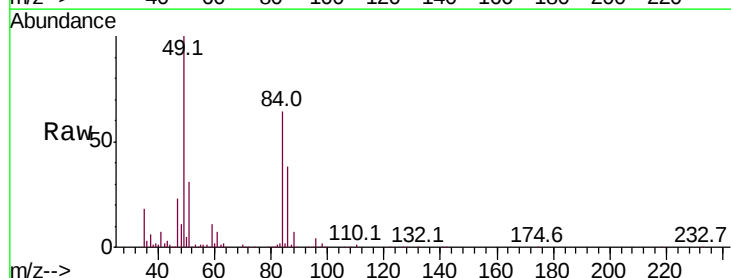
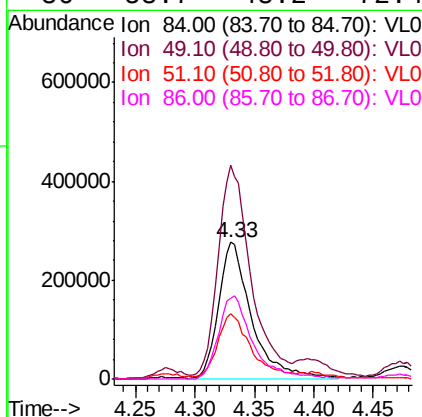
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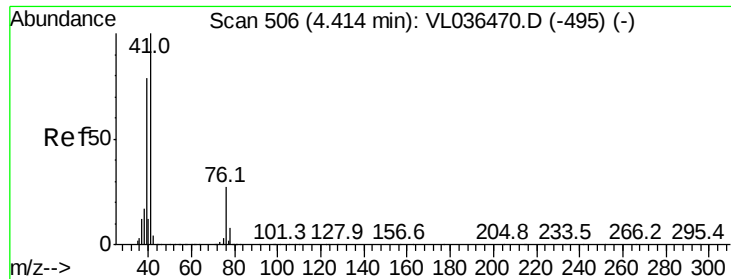
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#20
Methylene Chloride
Concen: 8.042 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.4	122.9	184.3
51	46.7	36.9	55.3
86	58.7	48.2	72.4





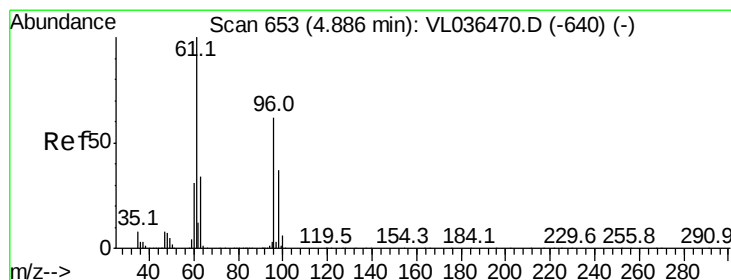
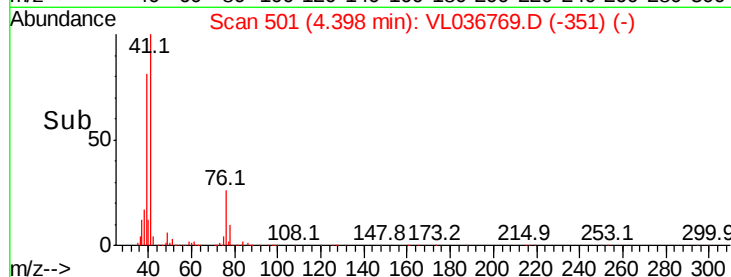
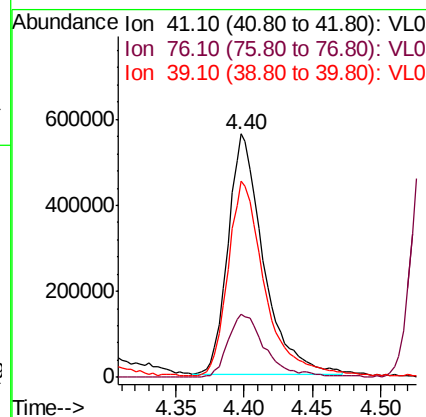
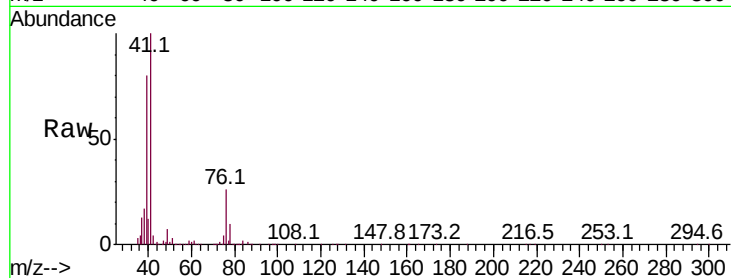
#21
Allvl Chloride
Concen: 9.037 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.9	34.3
39	84.9	67.3	100.9

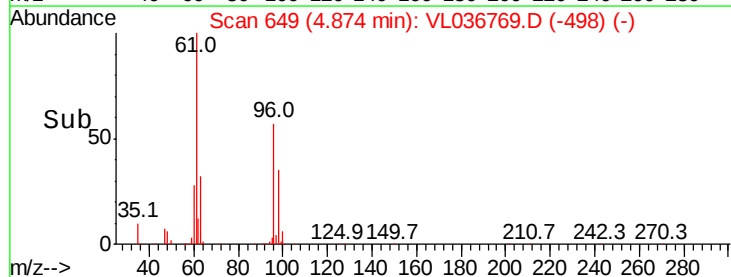
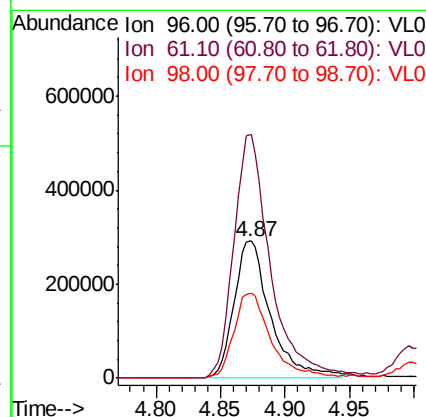
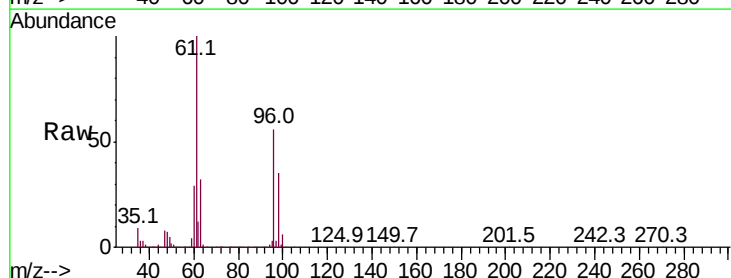
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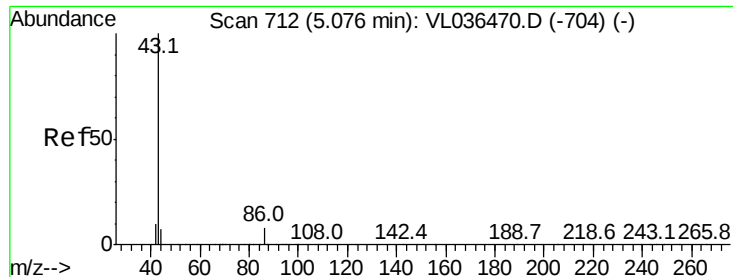
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.250 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.5	129.4	194.0
98	61.7	48.2	72.4





#23

Vinyl Acetate

Concen: 9.509 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2273914

Ion Ratio Lower Upper

43 100

86 7.0 5.4 8.0

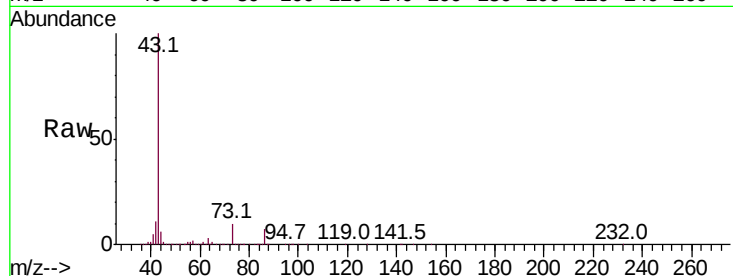
42 10.9 8.5 12.7

44 5.5 4.6 7.0

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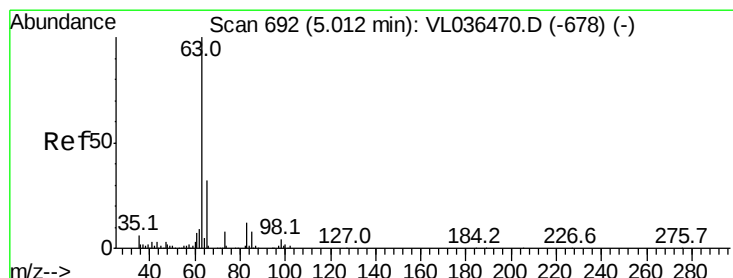
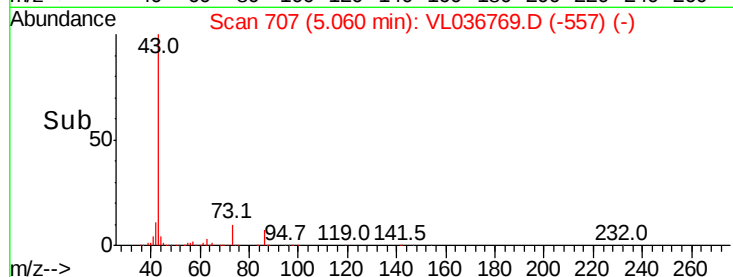
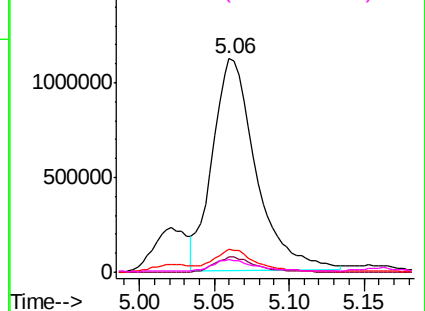


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.785 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

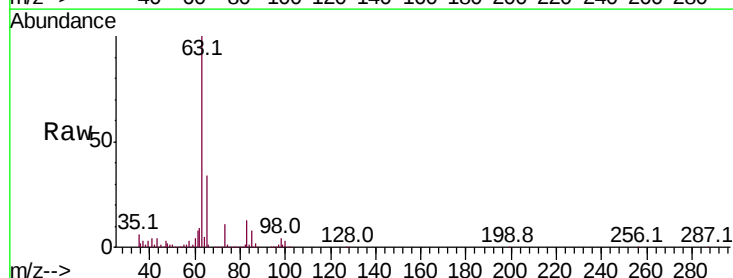
Tgt Ion: 63 Resp: 1531136

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

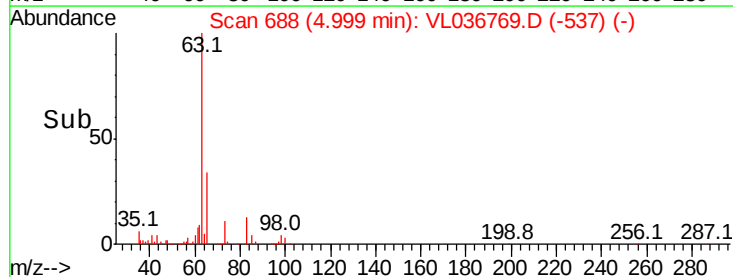
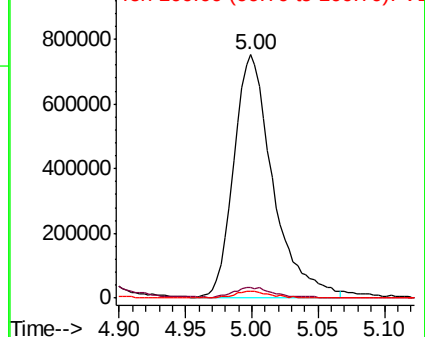
100 2.8 0.9 2.8

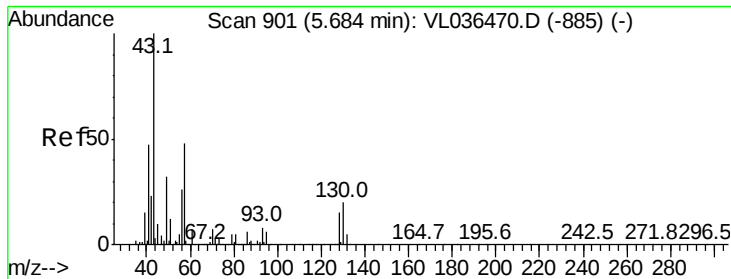


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





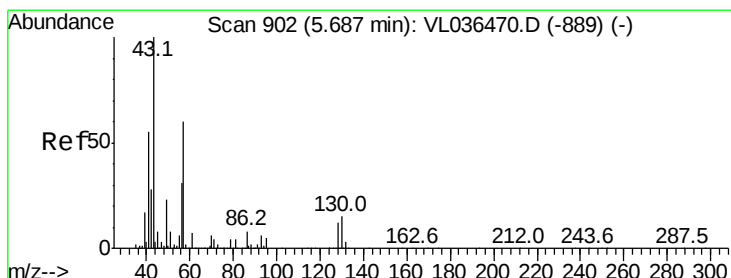
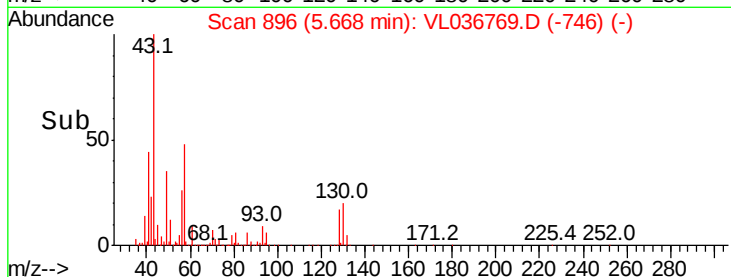
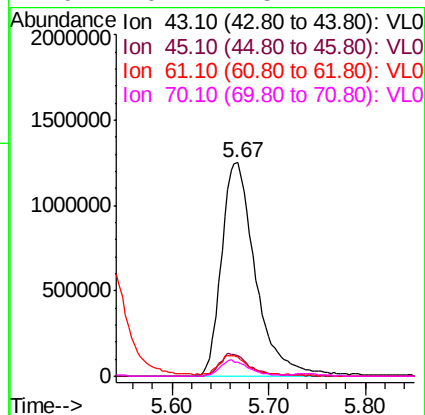
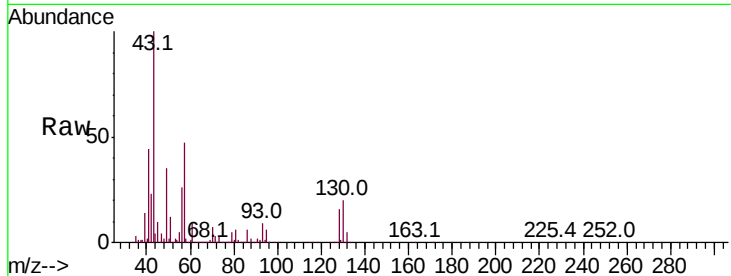
#25
Ethyl Acetate
Concen: 9.158 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.4	11.2
70	6.4	5.1	7.7

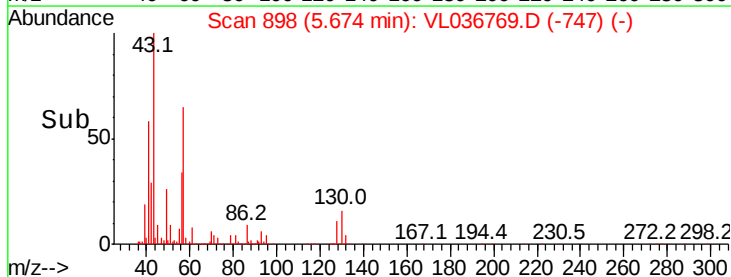
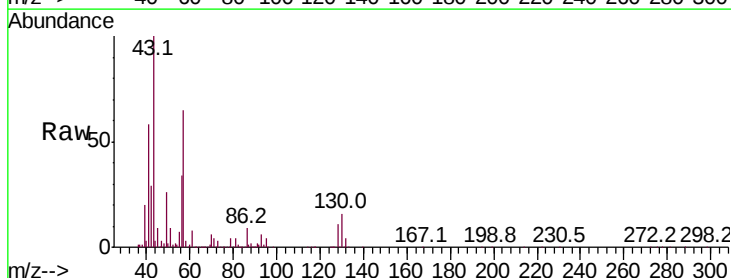
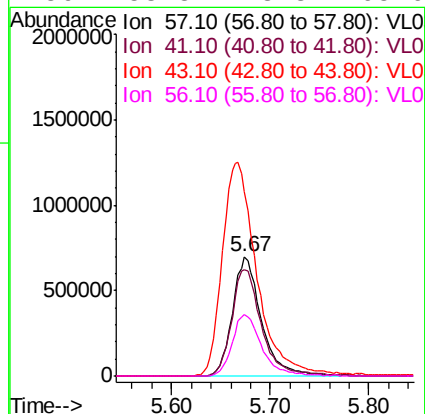
Manual Integrations
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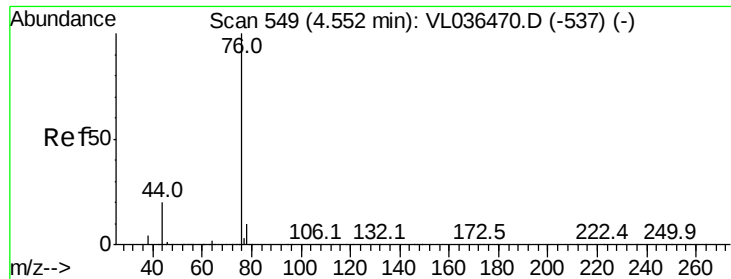
MMDadoda
4/12/2021 5:42:34 PM



#26
Hexane
Concen: 9.194 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.0	77.2	115.8
43	218.1	173.8	260.6
56	53.8	43.8	65.6





#27

Carbon Disulfide

Concen: 9.872 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL036769.D

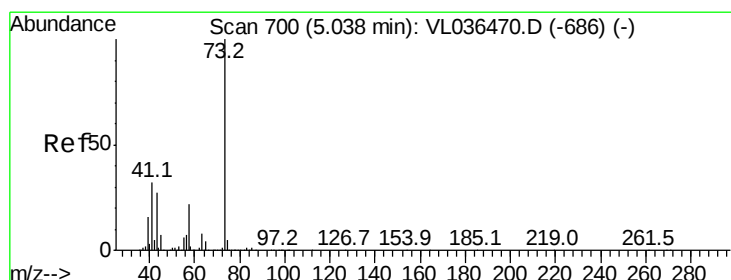
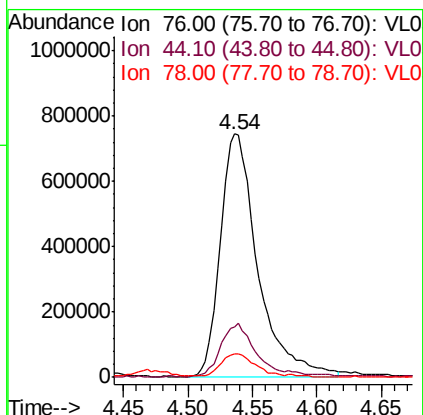
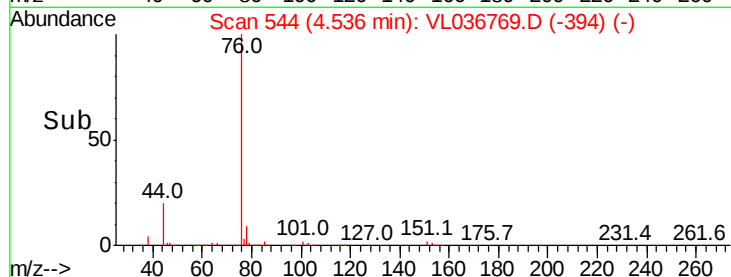
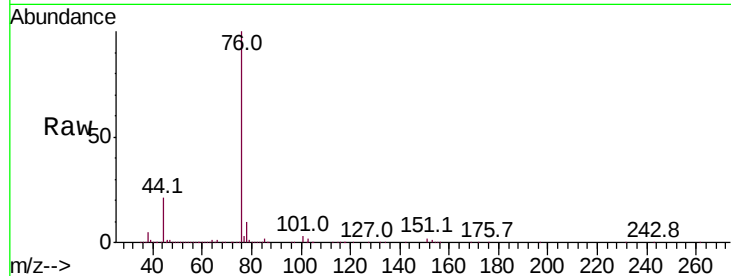
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.2	17.5	26.3
78	10.1	8.6	13.0

Manual Integrations
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4/12/2021 5:42:34 PM



#28

Methyl tert-Butyl Ether

Concen: 9.491 ppbv

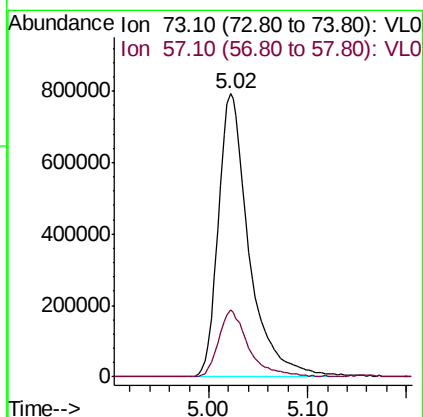
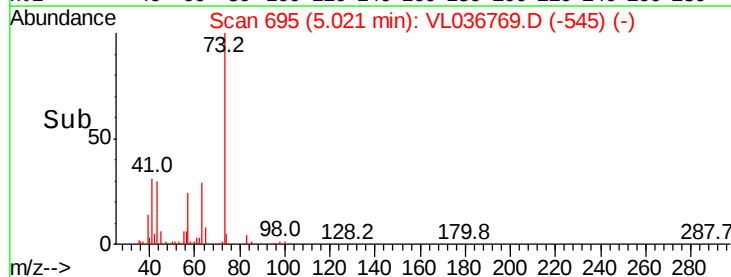
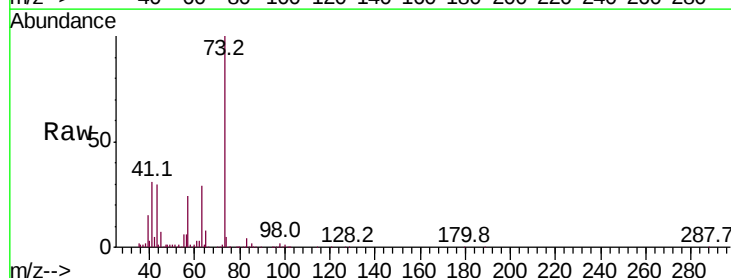
RT: 5.02 min Scan# 695

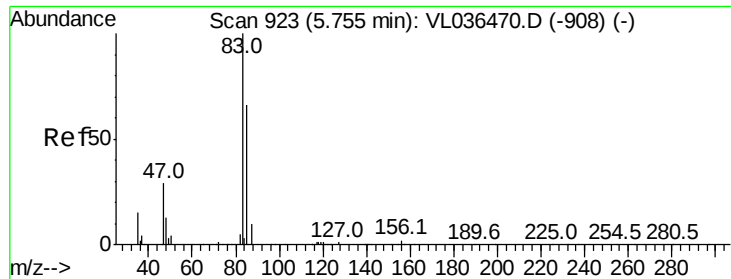
Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7





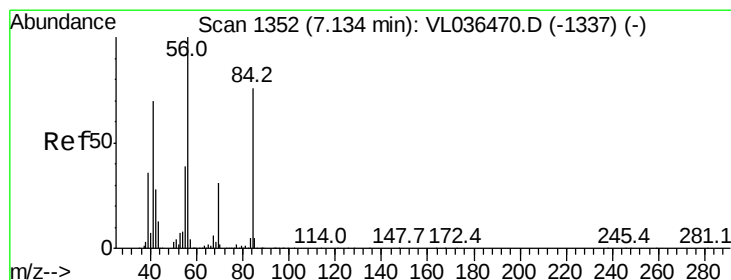
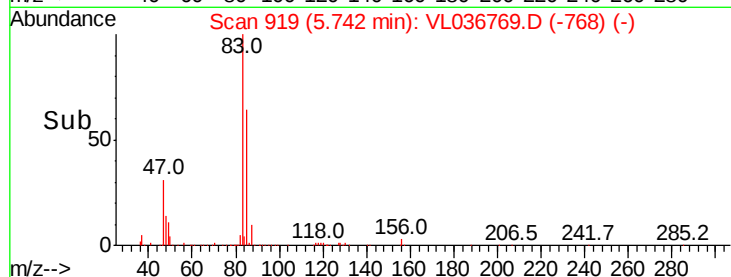
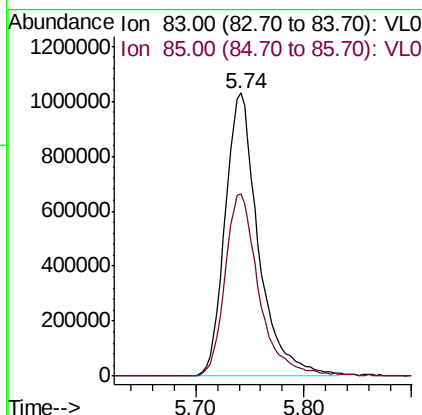
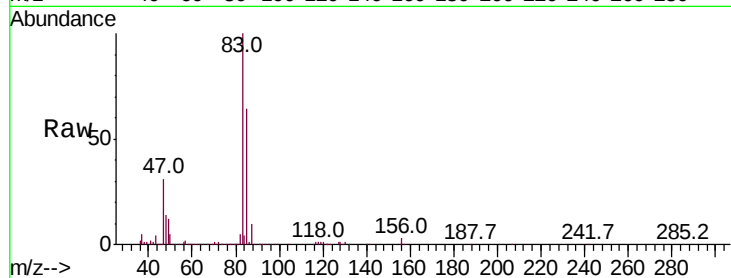
#29
Chloroform
Concen: 8.984 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2216020
Ion Ratio Lower Upper
83 100
85 64.2 52.6 78.8

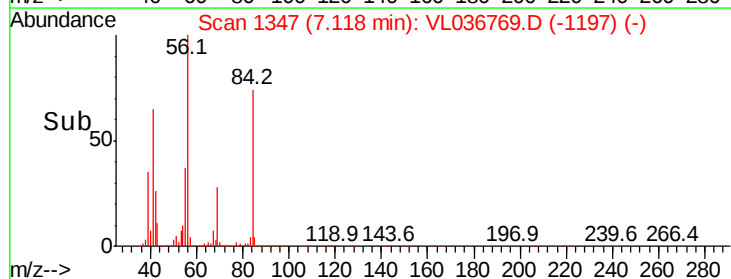
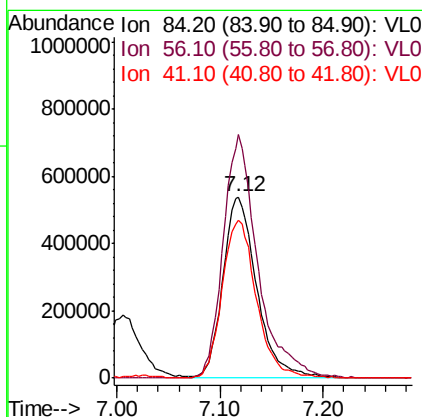
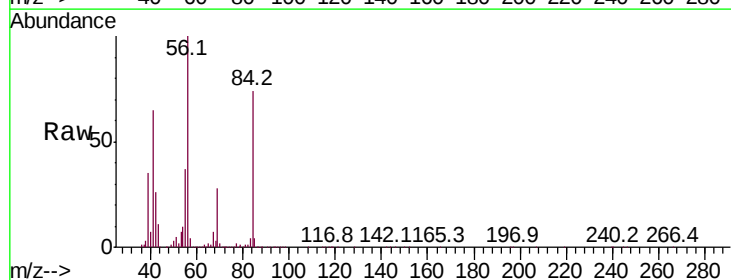
Manual Integrations
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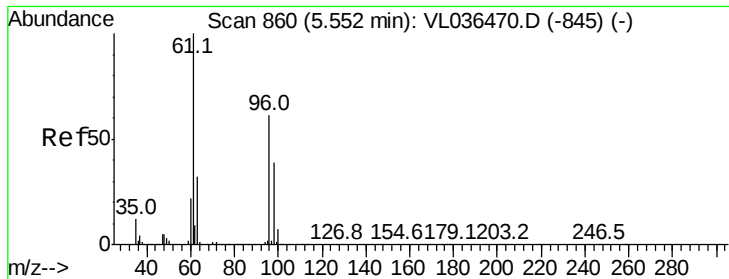
MMDadoda
4/12/2021 5:42:34 PM



#30
Cyclohexane
Concen: 9.791 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 84 Resp: 1224727
Ion Ratio Lower Upper
84 100
56 139.1 114.6 171.8
41 89.4 75.3 112.9





#31

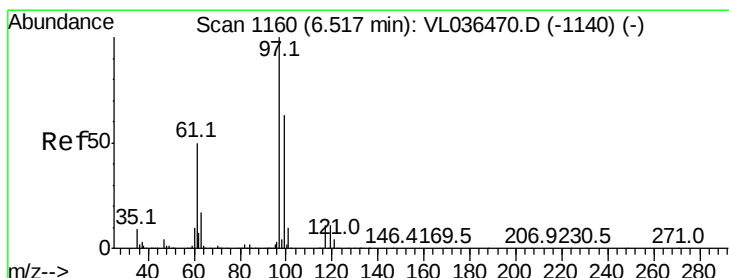
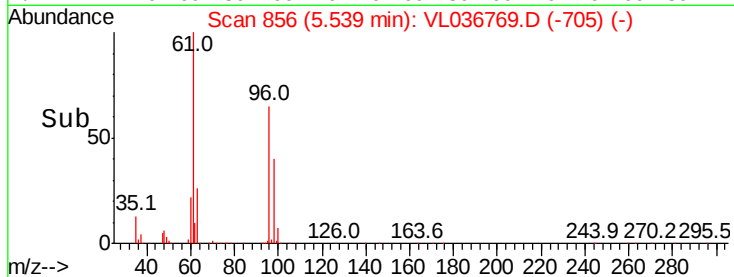
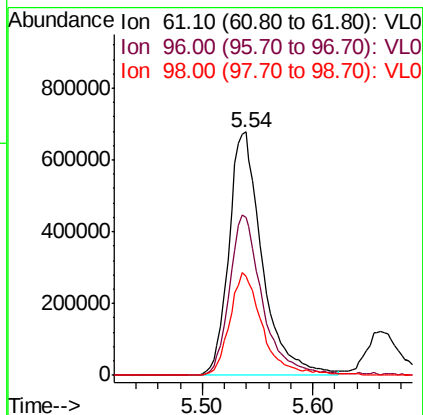
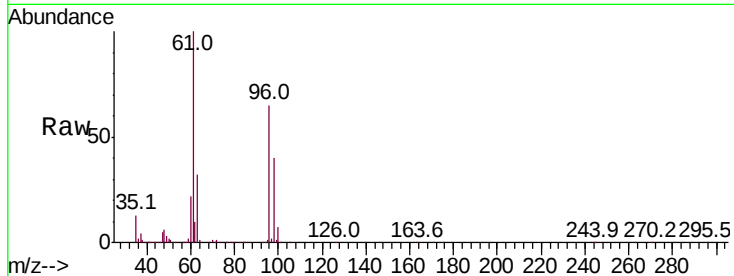
cis-1,2-Dichloroethene
Concen: 9.505 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1417963
Ion Ratio Lower Upper
61 100
96 64.6 48.7 73.1
98 40.3 31.4 47.0

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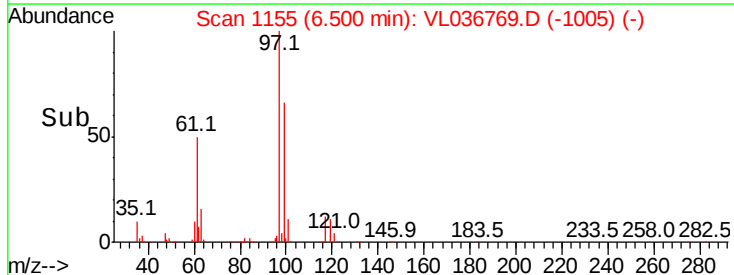
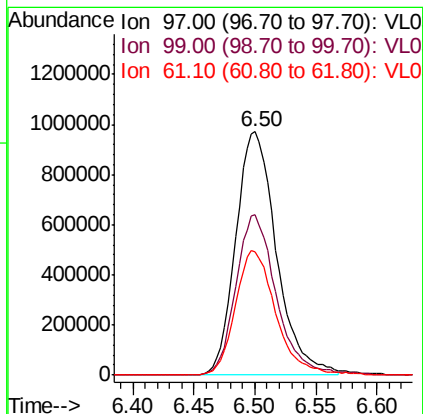
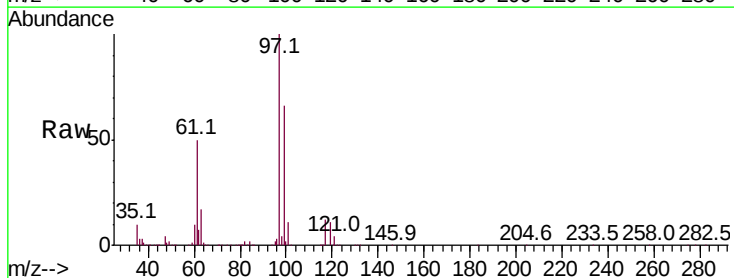
MMDadoda
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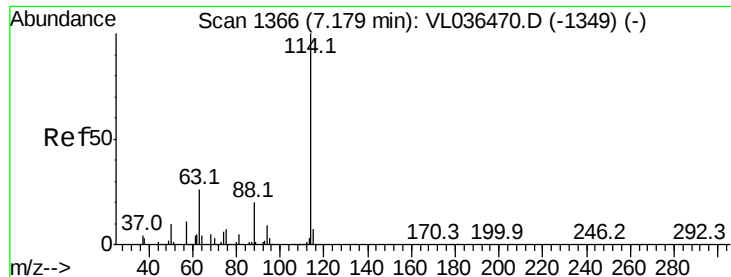


#32

1,1,1-Trichloroethane
Concen: 9.046 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 97 Resp: 2248572
Ion Ratio Lower Upper
97 100
99 65.6 51.4 77.0
61 50.8 40.6 60.8





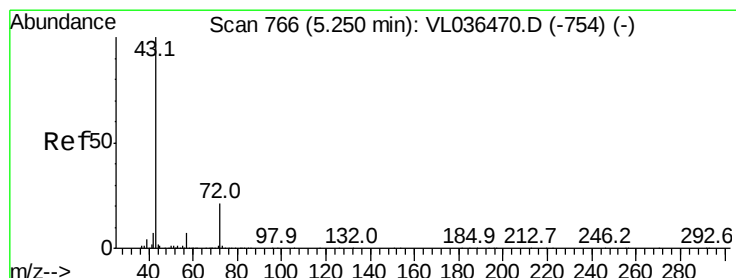
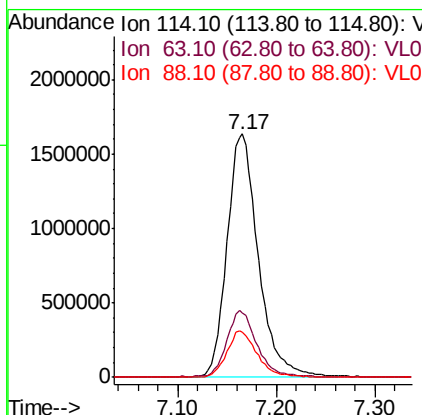
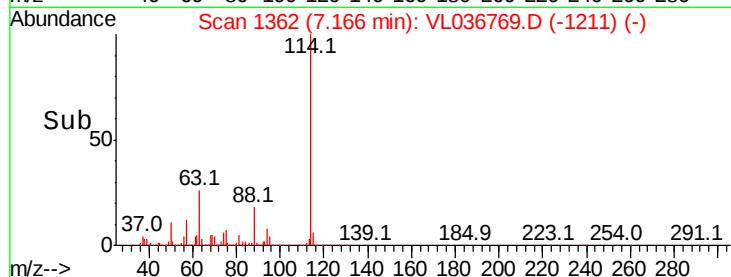
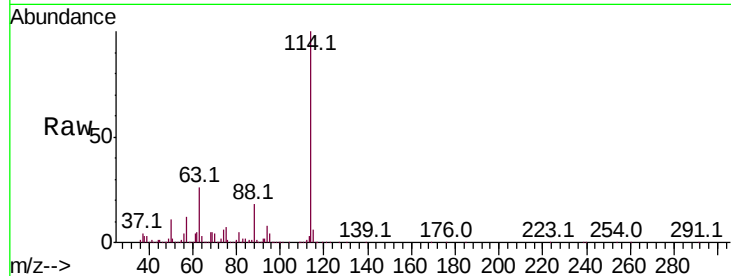
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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

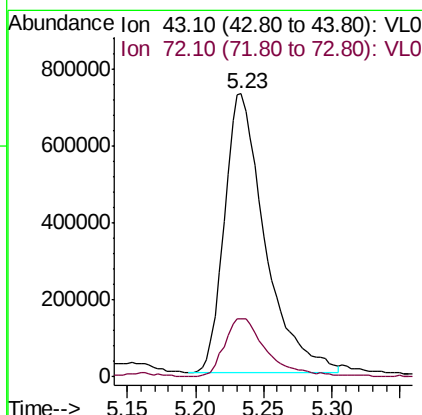
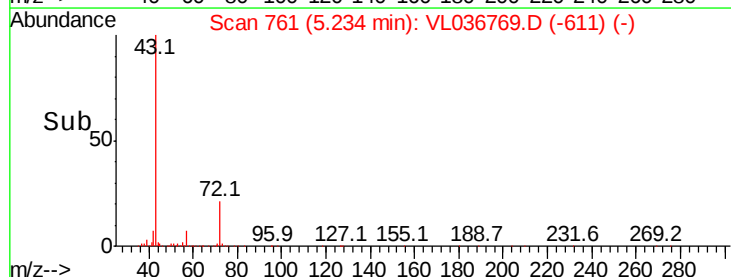
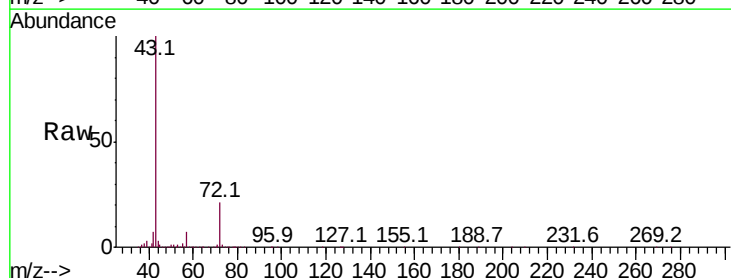
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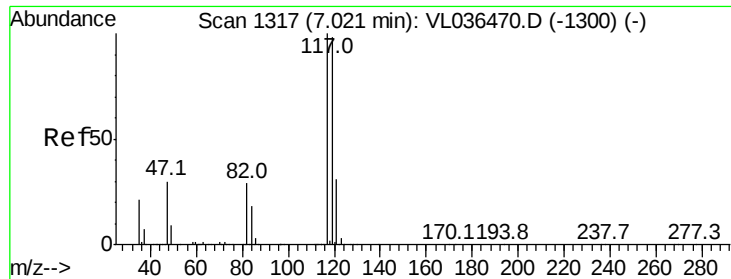
MMDadoda
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#34
 2-Butanone
 Concen: 8.549 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.0	25.6





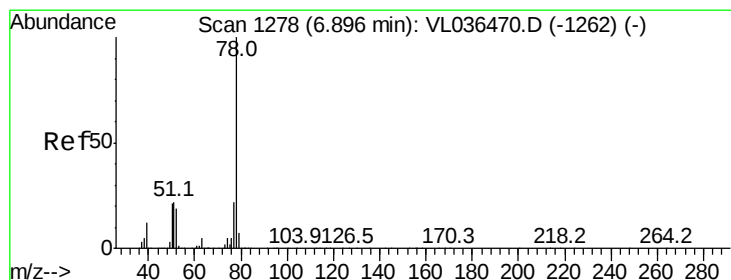
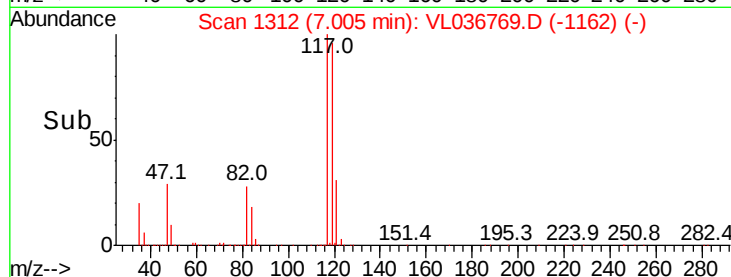
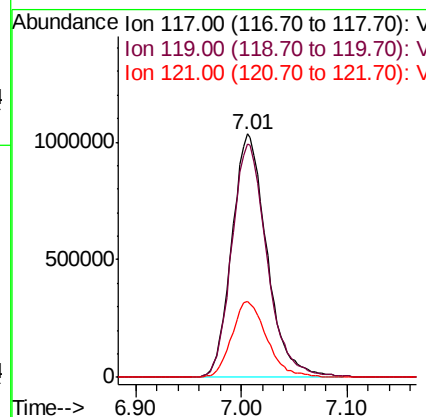
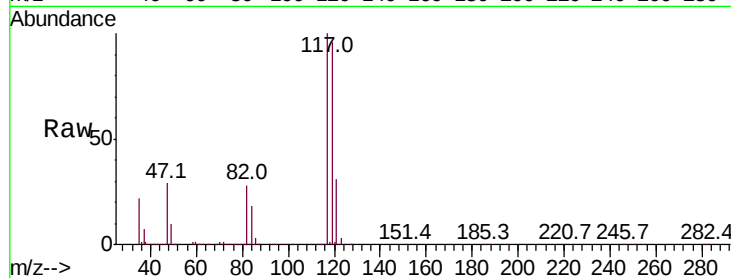
#35
Carbon Tetrachloride
Concen: 8.536 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.2	117.2
121	31.0	24.5	36.7

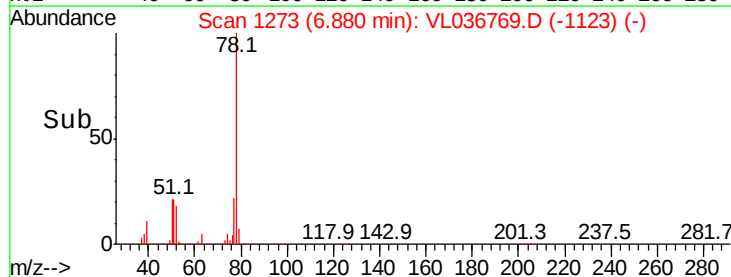
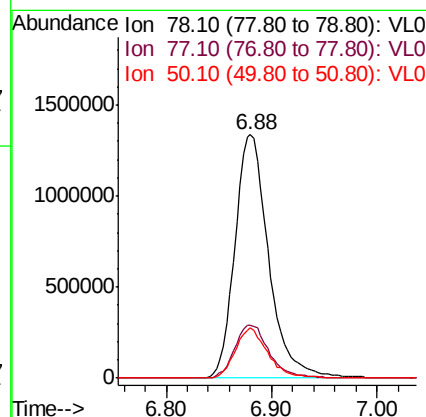
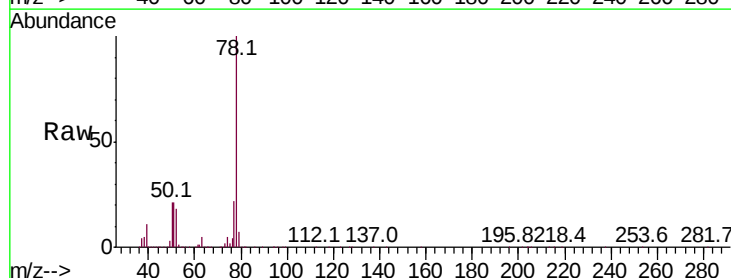
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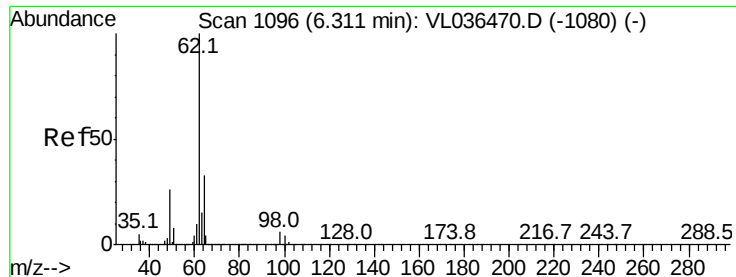
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#36
Benzene
Concen: 8.852 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.0	27.0
50	20.8	16.5	24.7





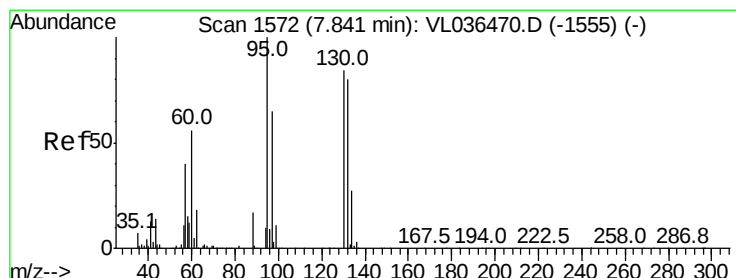
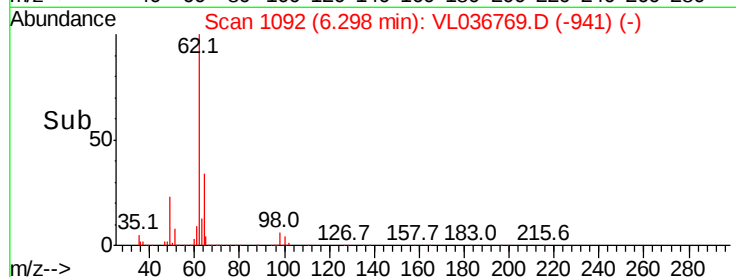
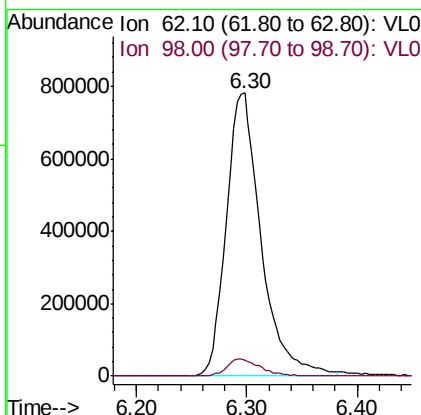
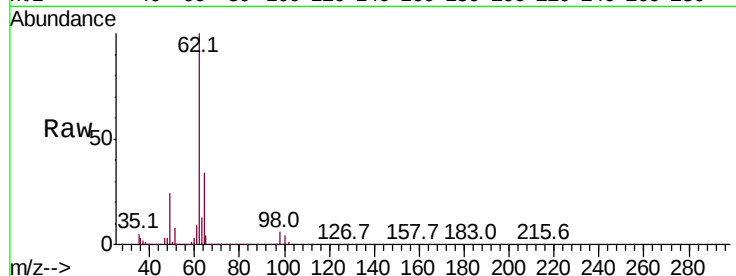
#37
 1,2-Dichloroethane
 Concen: 8.684 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3

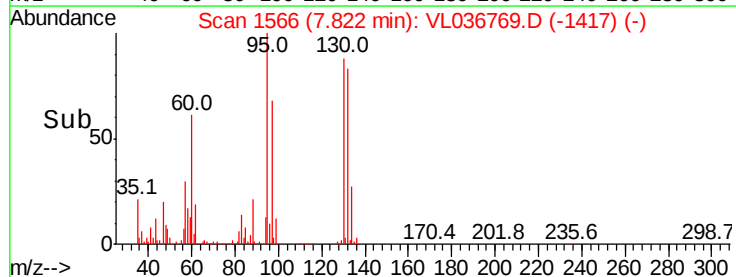
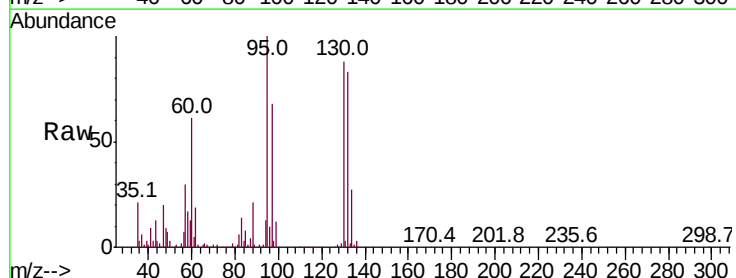
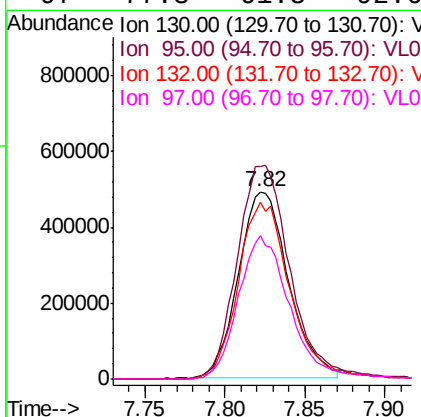
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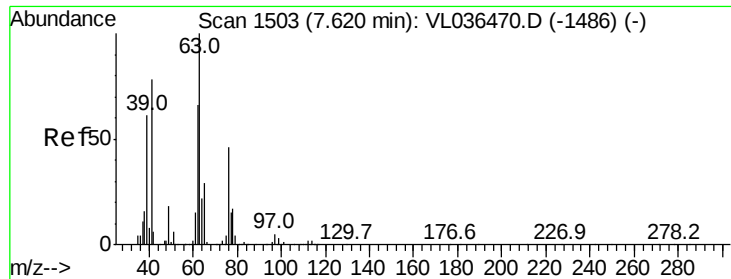
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#38
 Trichloroethene
 Concen: 8.073 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.0	95.7	143.5
132	94.5	76.2	114.4
97	77.3	61.8	92.6





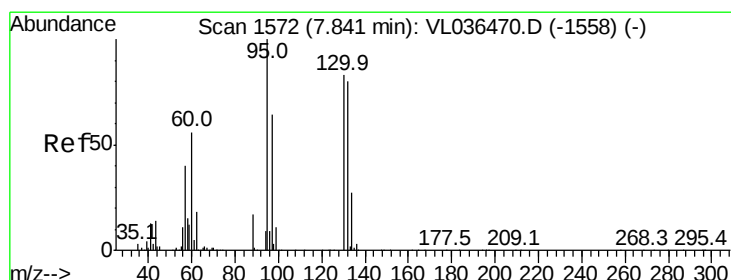
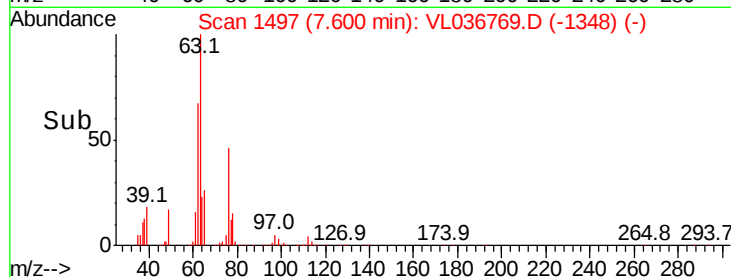
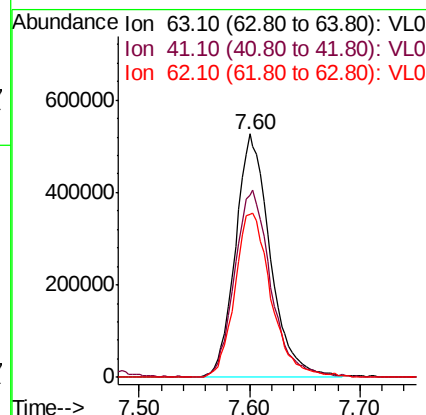
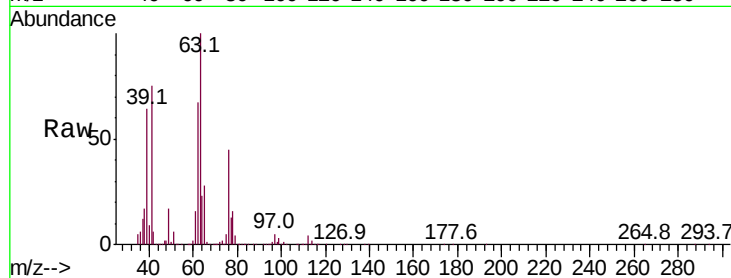
#39
 1,2-Dichloropropane
 Concen: 8.445 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.8	62.4	93.6
62	66.6	52.8	79.2

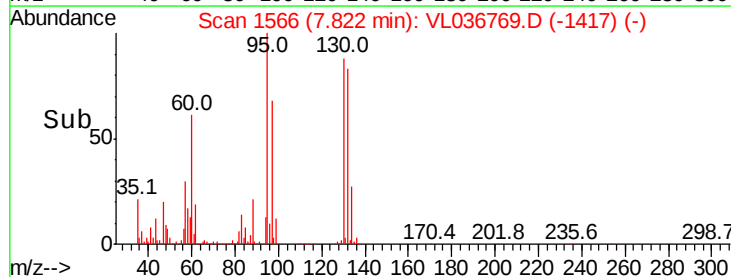
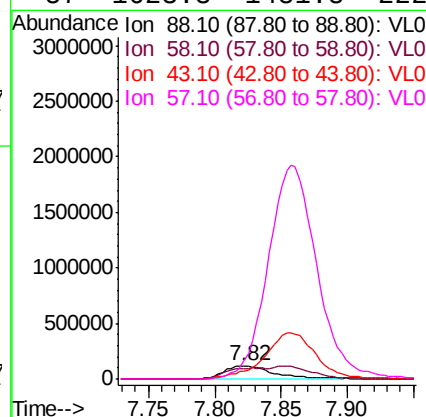
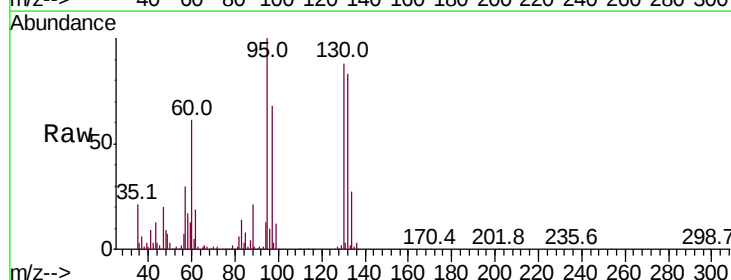
Manual Integrations
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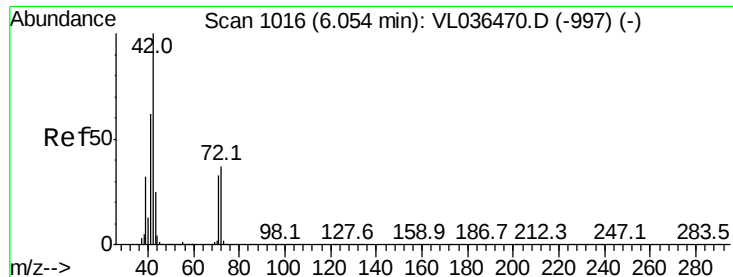
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#40
 1,4-Dioxane
 Concen: 9.673 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.5	134.1	201.1
43	369.9	346.6	520.0
57	1623.3	1481.8	2222.8





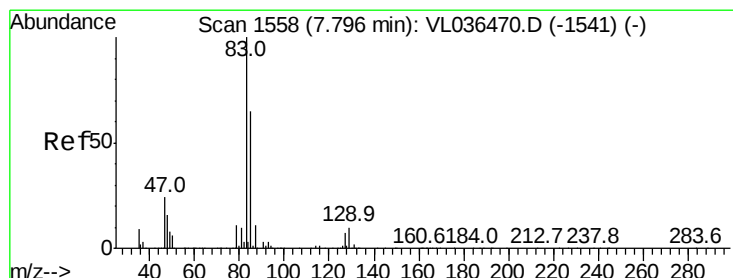
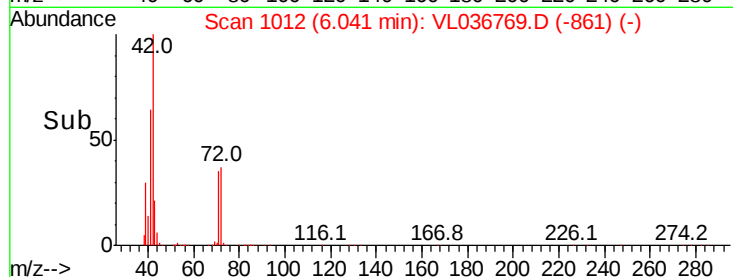
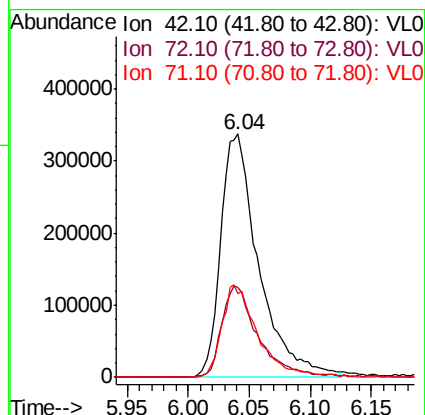
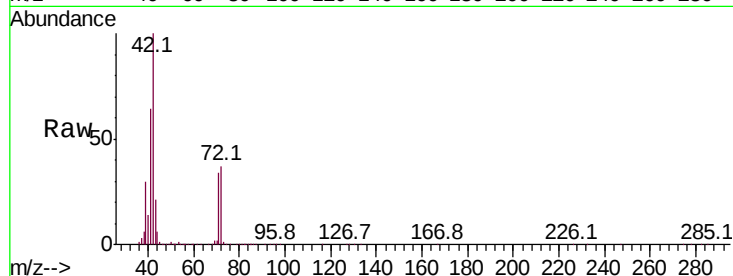
#41
Tetrahydrofuran
Concen: 9.022 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	27.6	41.4
71	36.6	27.0	40.4

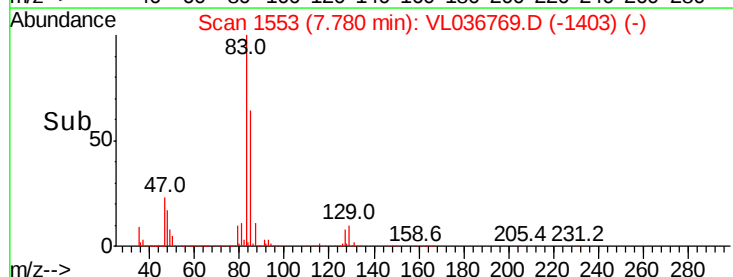
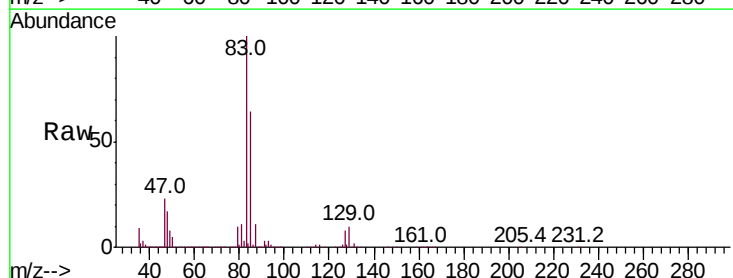
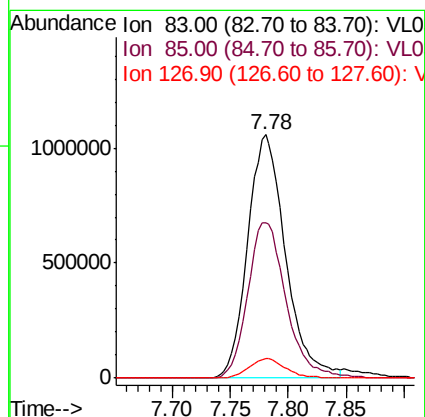
Manual Integrations
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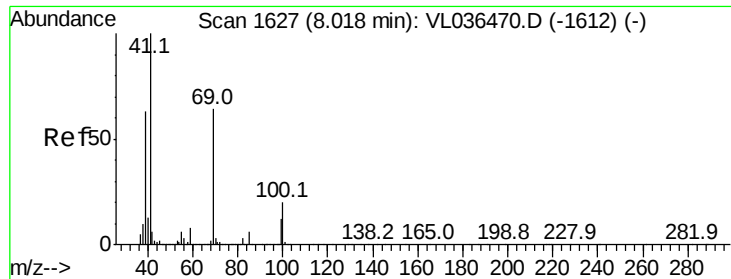
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#42
Bromodichloromethane
Concen: 8.998 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	8.1	5.8	8.8





#43

Methvl Methacrilate

Concen: 9.481 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

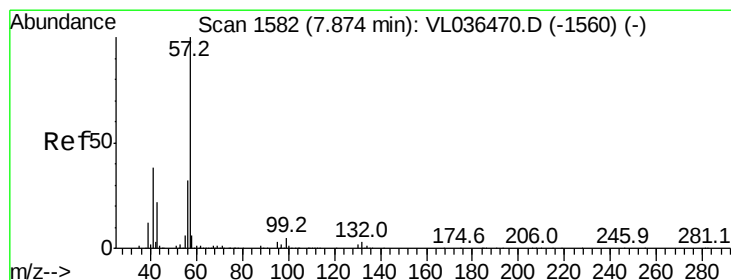
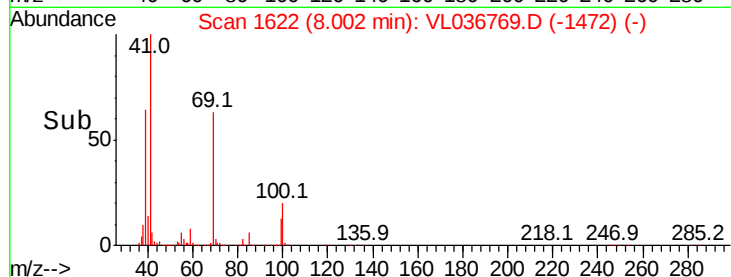
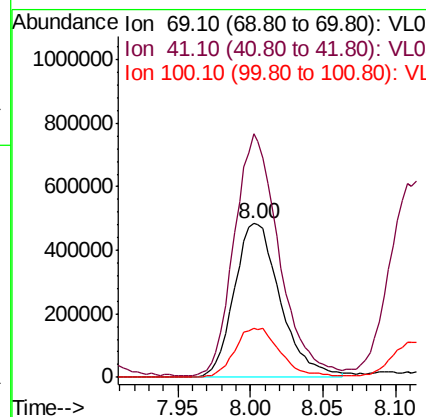
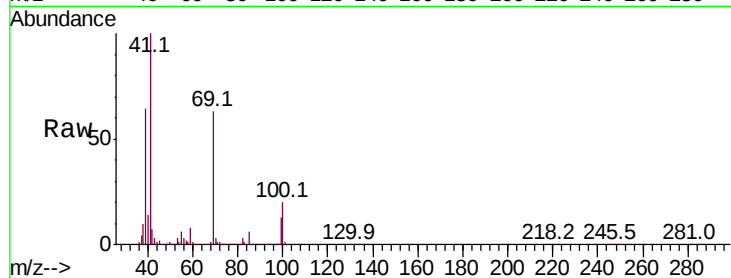
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1065350

Ion	Ratio	Lower	Upper
69	100		
41	155.4	126.8	190.2
100	31.8	24.9	37.3

Manual Integrations
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4/12/2021 5:42:34 PM



#44

2,2,4-Trimethylpentane

Concen: 8.410 ppbv

RT: 7.86 min Scan# 1577

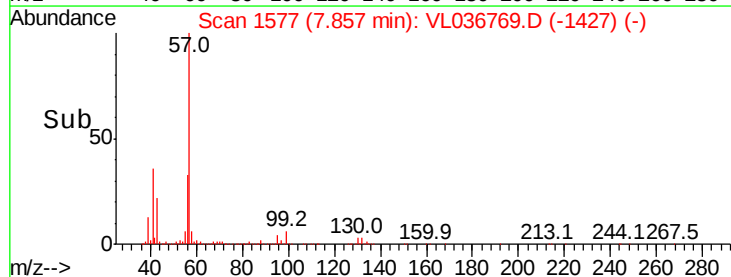
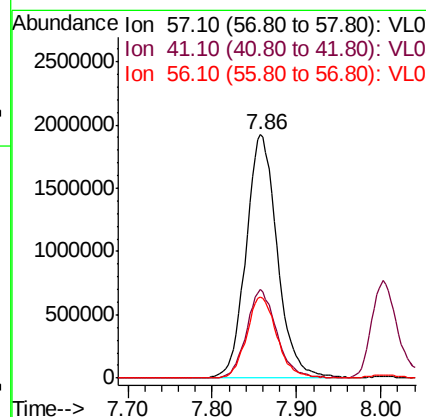
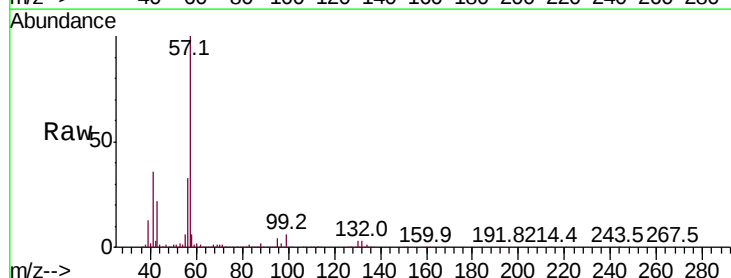
Delta R.T. -0.02 min

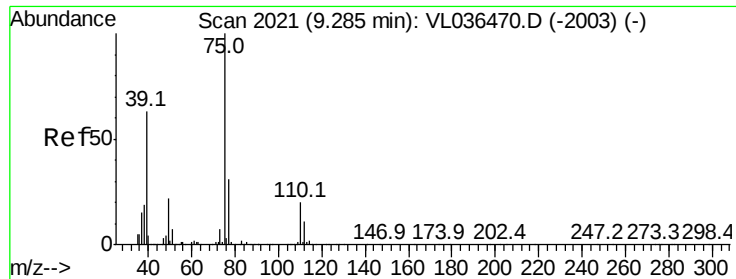
Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Tgt Ion: 57 Resp: 4953045

Ion	Ratio	Lower	Upper
57	100		
41	35.1	28.8	43.2
56	32.4	26.1	39.1





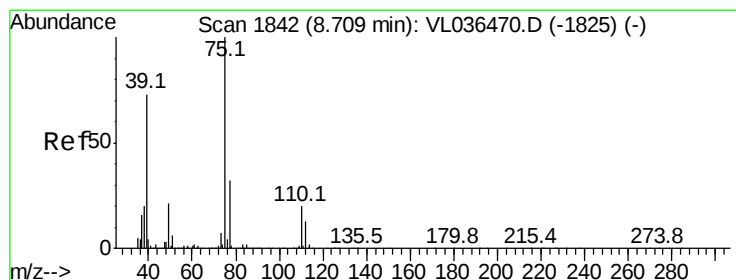
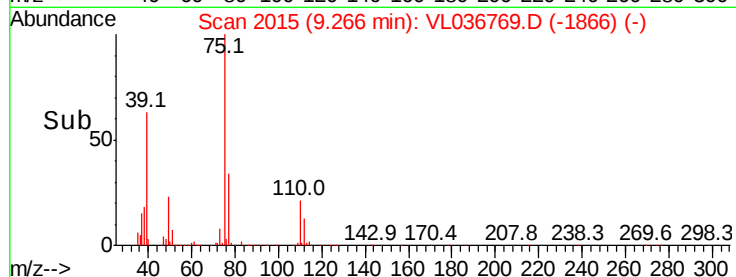
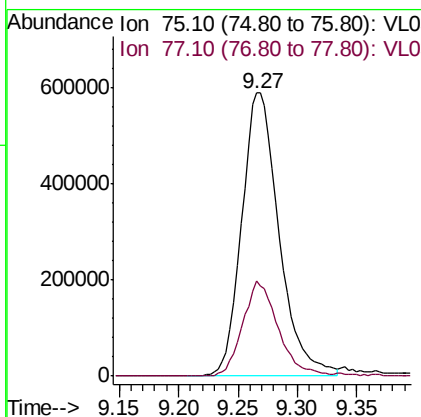
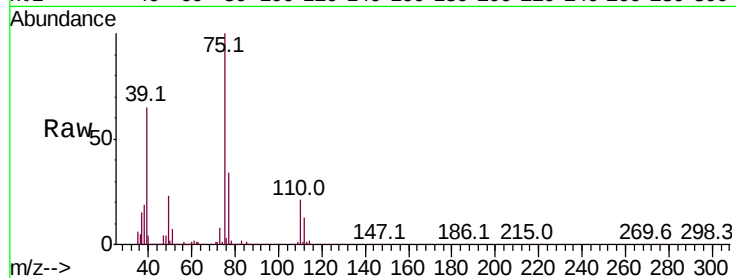
#45
t-1,3-Dichloropropene
Concen: 9.992 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1282014
Ion Ratio Lower Upper
75 100
77 33.6 25.1 37.7

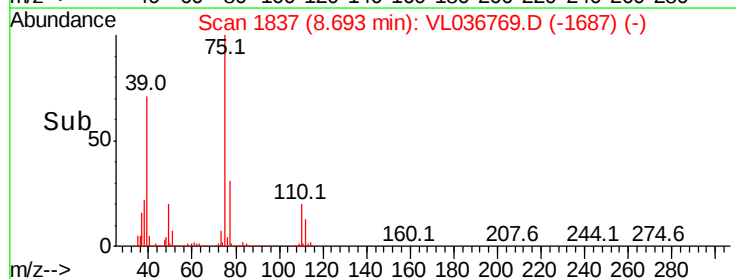
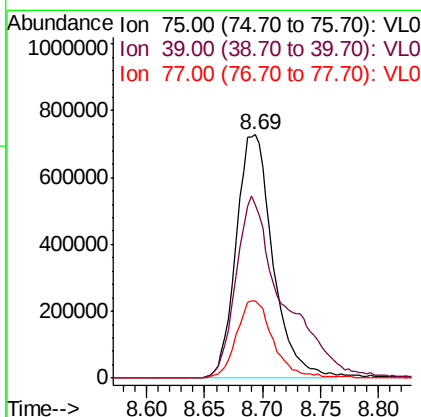
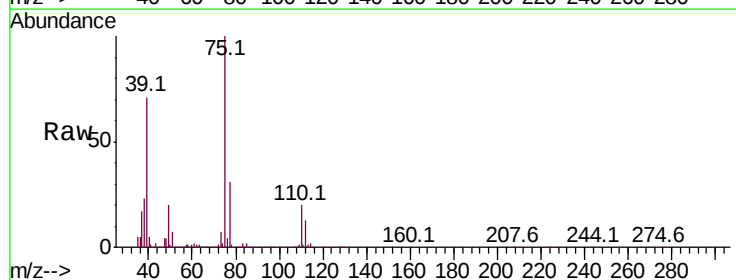
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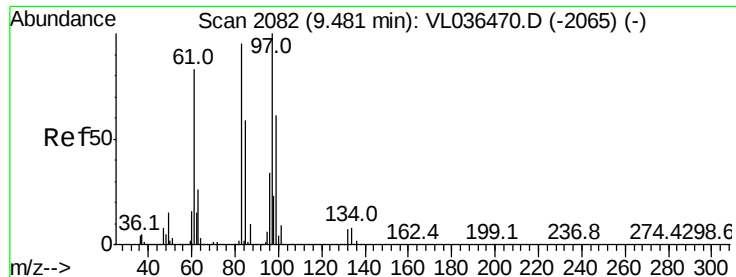
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.775 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 75 Resp: 1603290
Ion Ratio Lower Upper
75 100
39 71.1 58.2 87.2
77 31.5 25.2 37.8





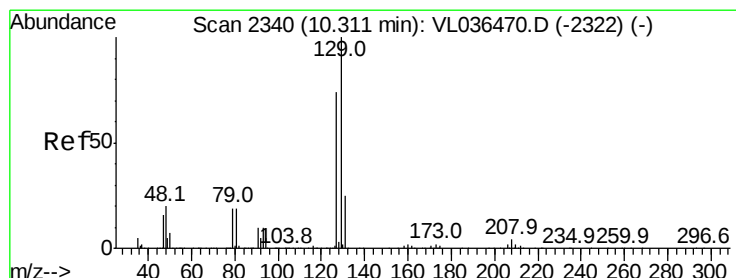
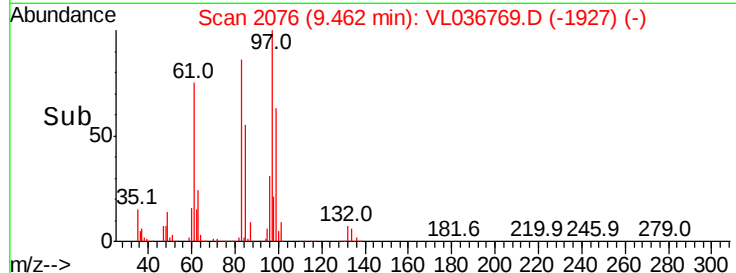
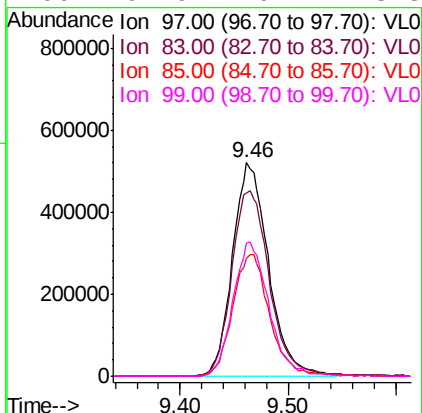
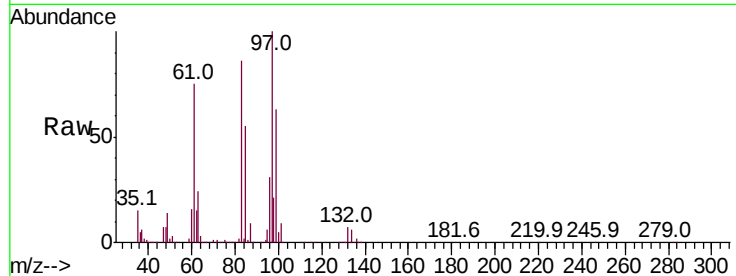
#47
 1,1,2-Trichloroethane
 Concen: 8.775 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.7	75.8	113.8	
85	55.3	47.1	70.7	
99	62.6	49.2	73.8	

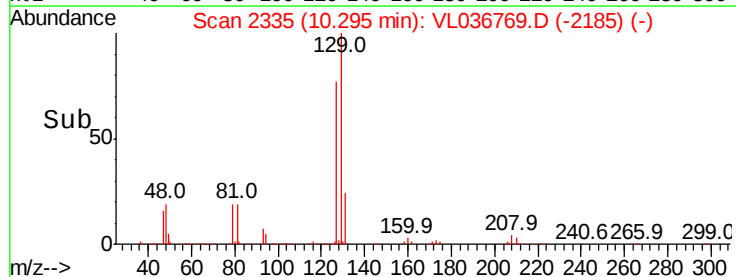
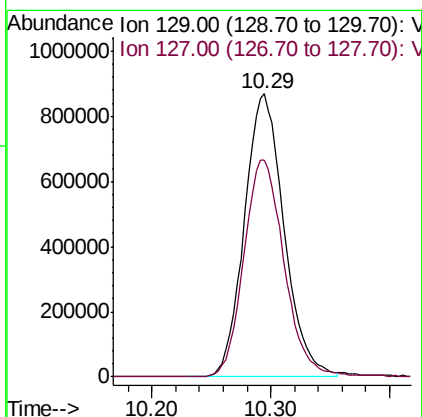
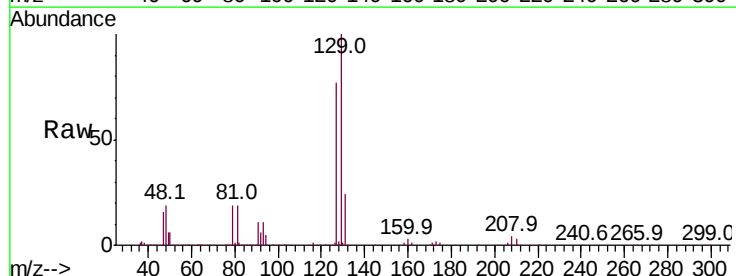
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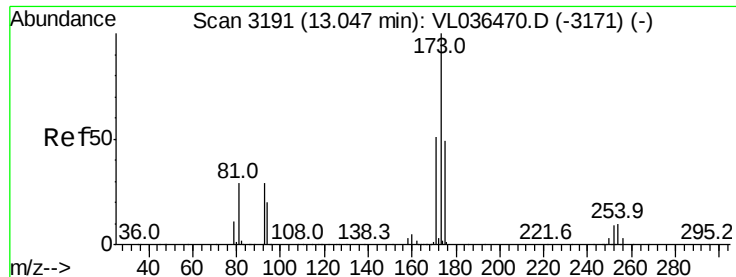
MMDadoda
 4/12/2021 5:42:34 PM



#48
 Dibromochloromethane
 Concen: 9.556 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

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





#49

Bromoform

Concen: 9.724 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1642206

Ion Ratio Lower Upper

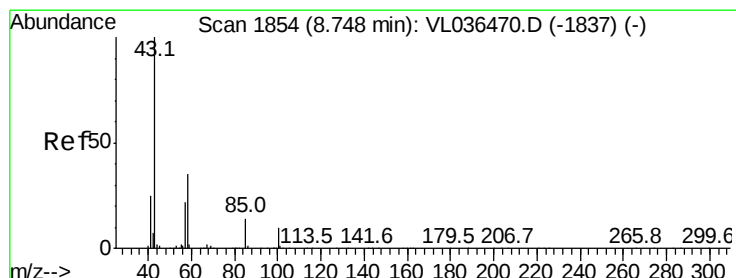
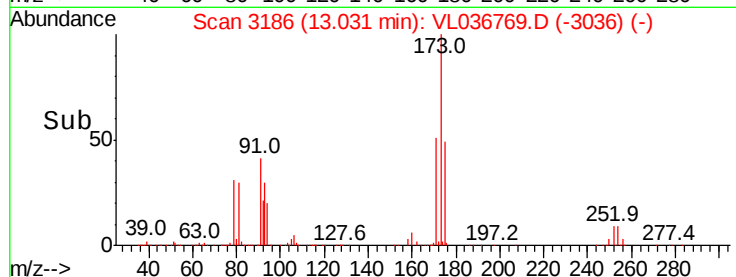
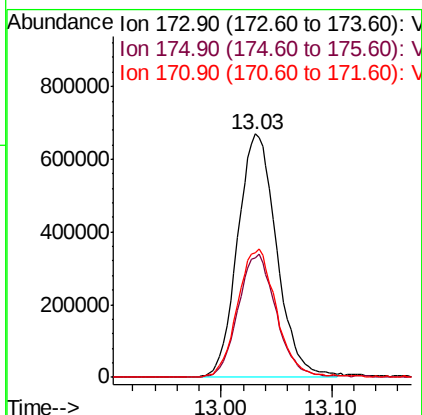
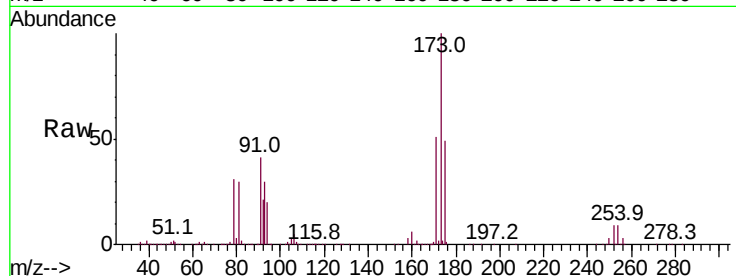
173 100

175 49.5 39.6 59.4

171 52.7 41.4 62.0

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#50

4-Methyl-2-Pentanone

Concen: 8.872 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036769.D

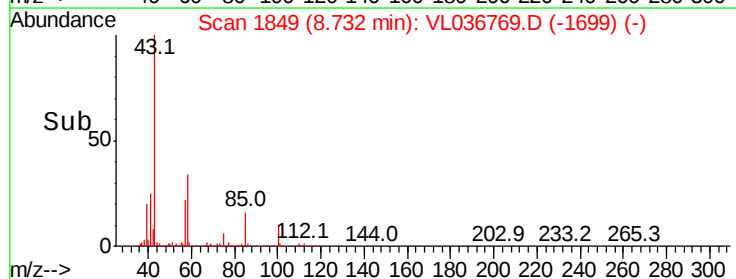
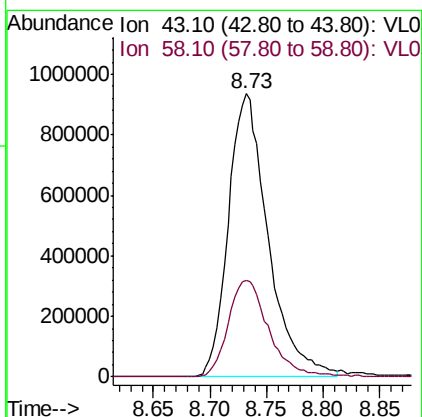
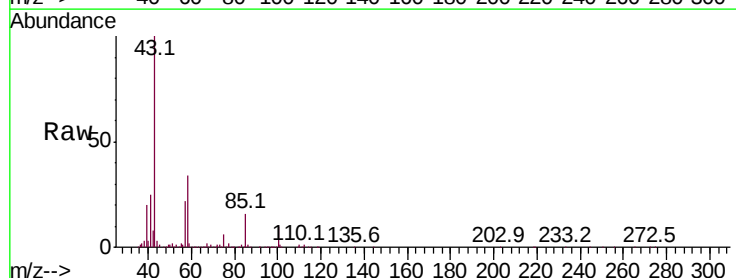
Acq: 9 Apr 2021 10:01

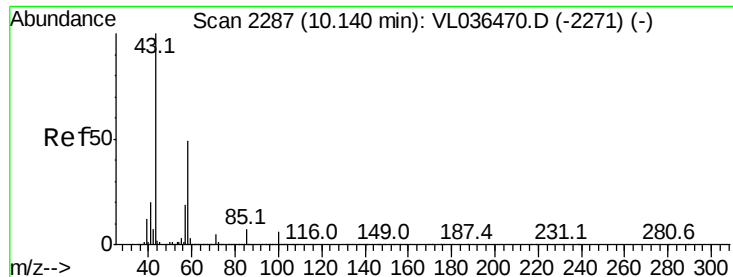
Tgt Ion: 43 Resp: 2273640

Ion Ratio Lower Upper

43 100

58 35.5 28.2 42.2





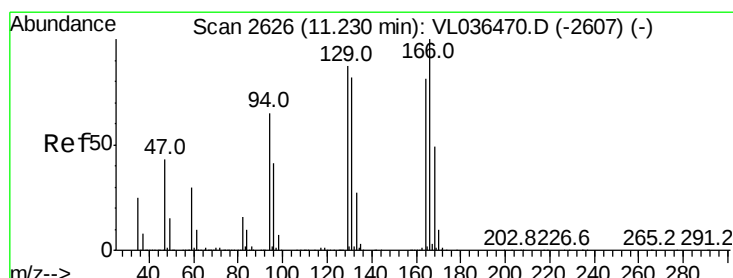
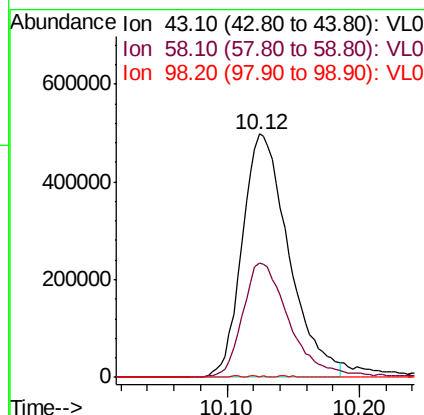
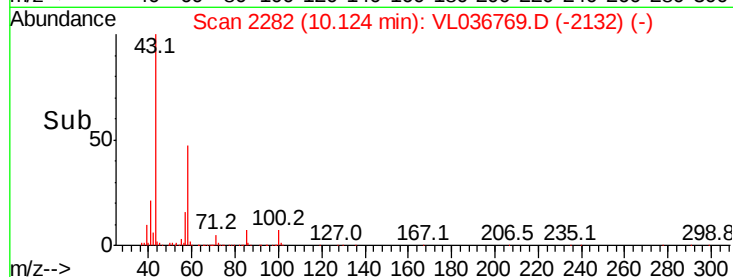
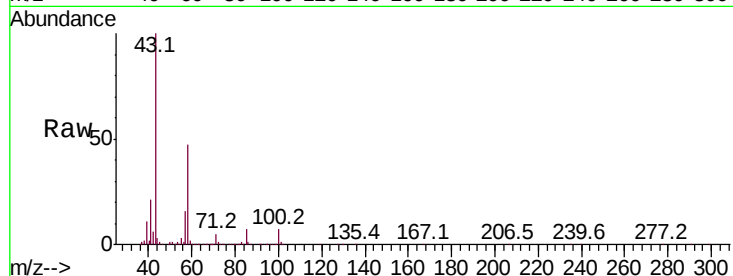
#51
2-Hexanone
Concen: 9.390 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1214346
Ion Ratio Lower Upper
43 100
58 48.7 37.7 56.5
98 0.3 0.2 0.2#

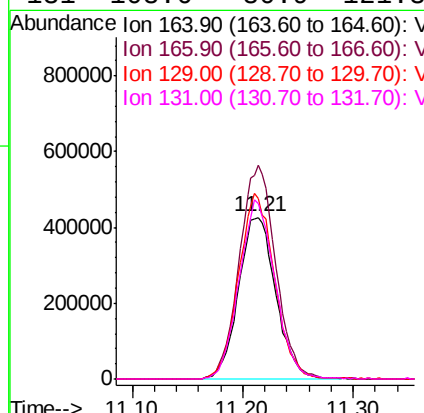
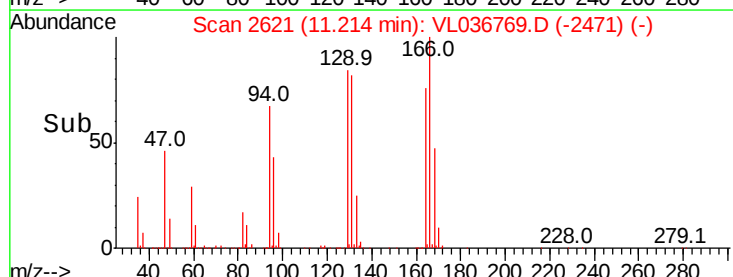
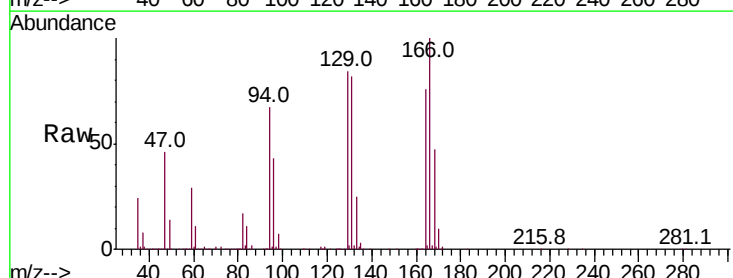
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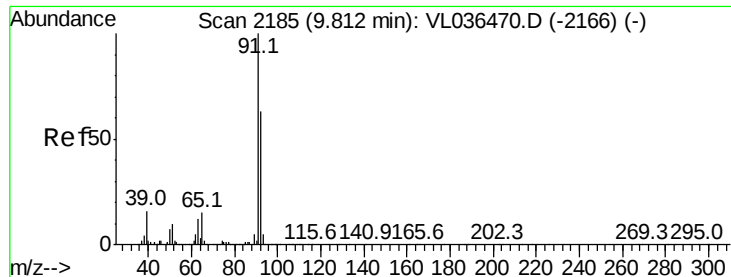
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#52
Tetrachloroethene
Concen: 8.098 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 164 Resp: 997843
Ion Ratio Lower Upper
164 100
166 132.3 98.3 147.5
129 111.4 85.8 128.8
131 108.6 80.9 121.3





#53

Toluene

Concen: 9.347 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3330814

Ion Ratio Lower Upper

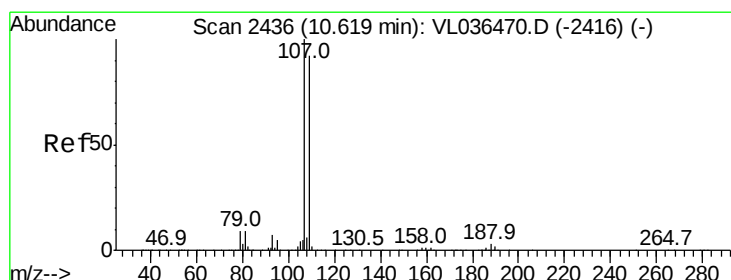
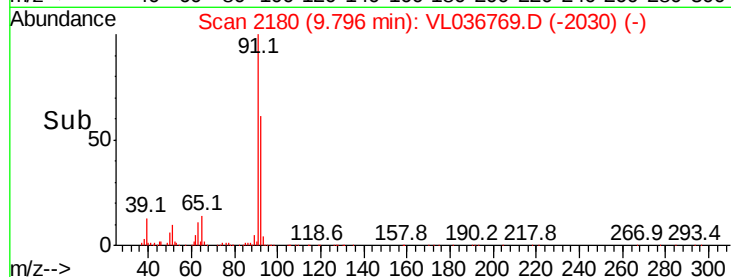
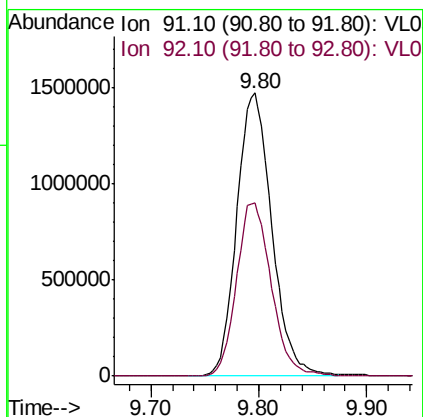
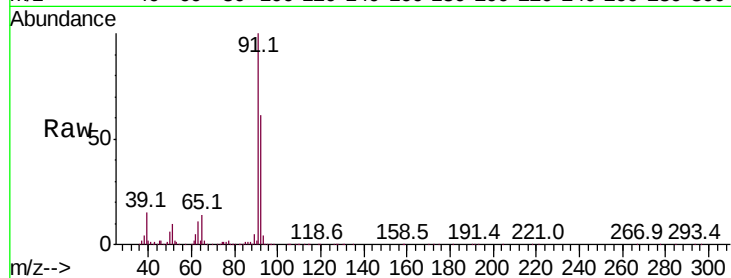
91 100

92 61.0 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 8.982 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036769.D

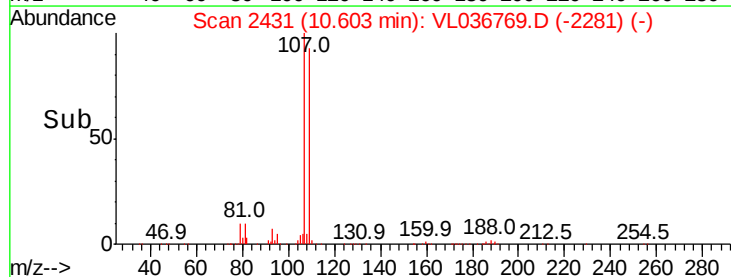
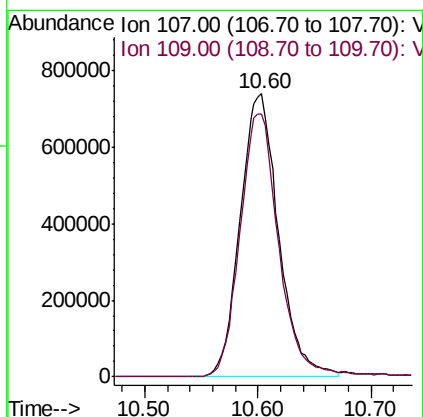
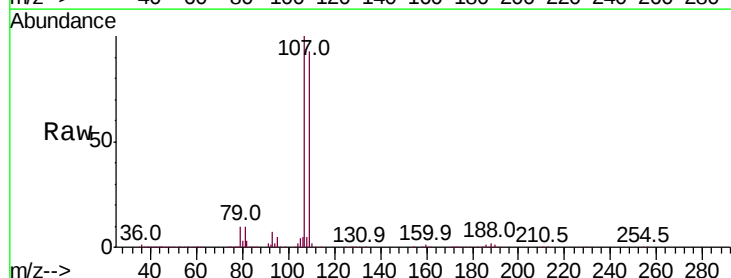
Acq: 9 Apr 2021 10:01

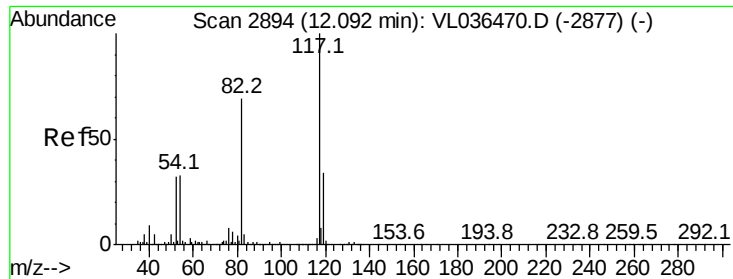
Tgt Ion: 107 Resp: 1743940

Ion Ratio Lower Upper

107 100

109 93.1 73.9 110.9





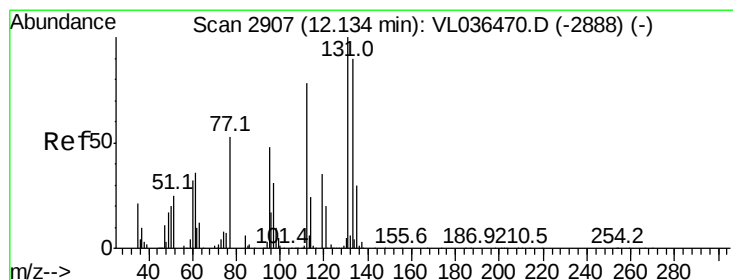
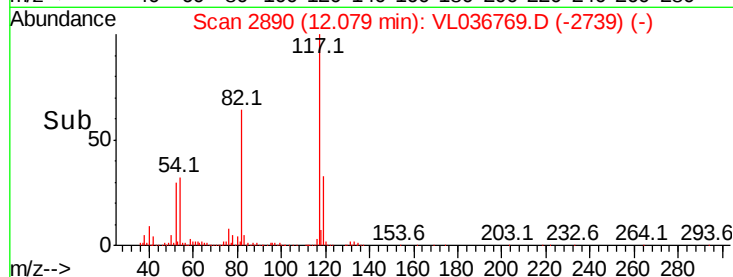
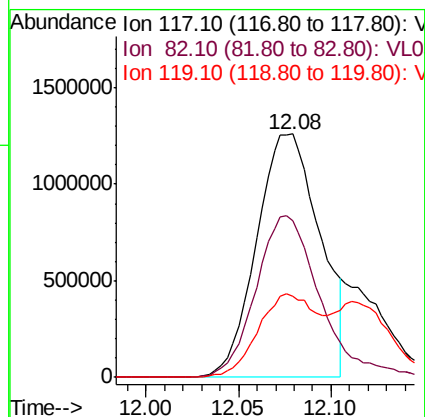
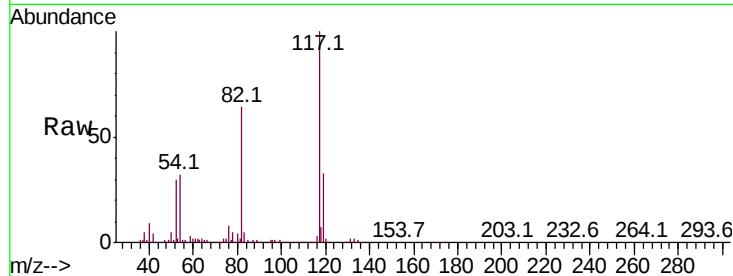
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3001560
Ion Ratio Lower Upper
117 100
82 68.0 57.4 86.0
119 35.2 47.4 71.0#

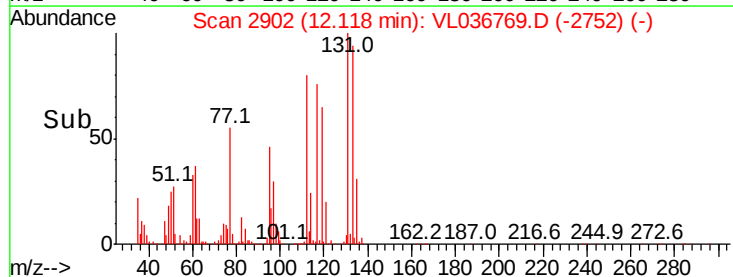
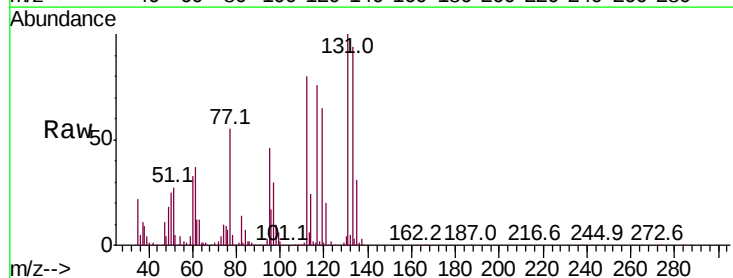
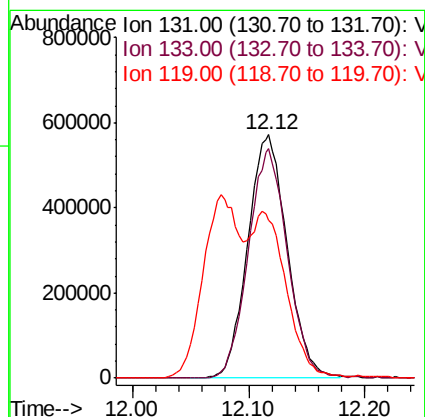
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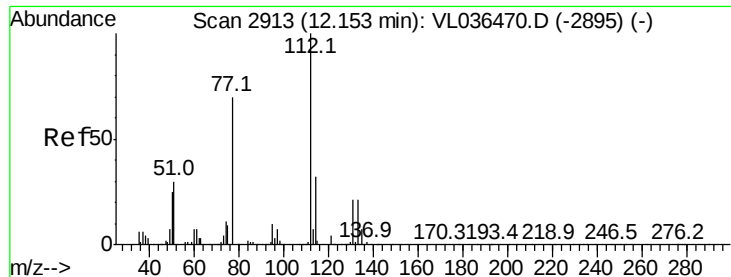
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.925 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion:131 Resp: 1347440
Ion Ratio Lower Upper
131 100
133 94.2 75.8 113.6
119 64.6 48.7 73.1





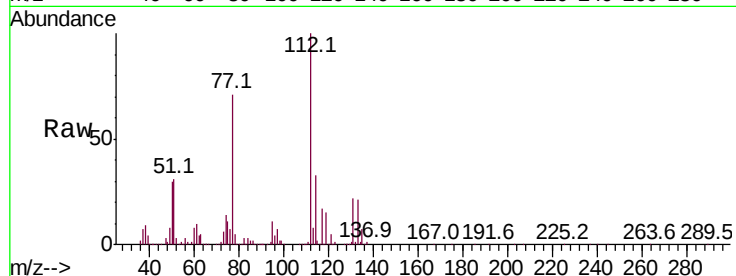
#57
Chlorobenzene
Concen: 9.565 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

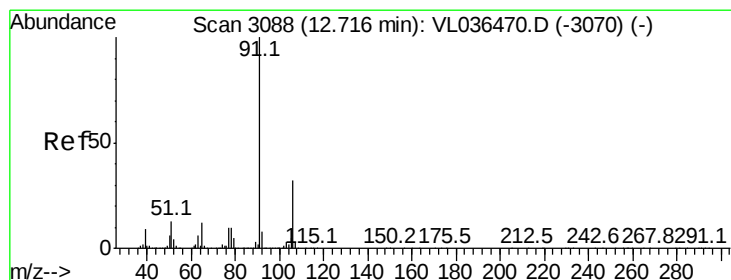
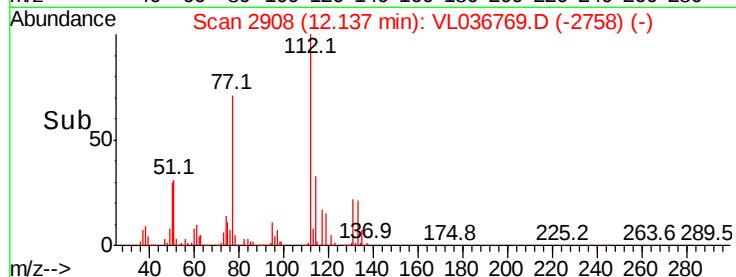
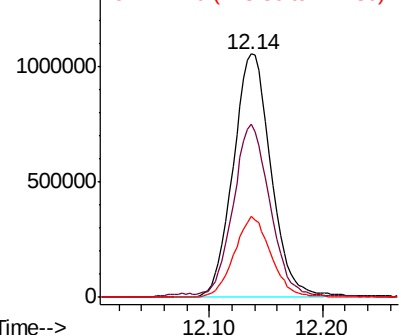
Tot Ion	Ratio	Lower	Upper
112	100		
77	70.3	56.0	84.0
114	33.4	29.0	35.4

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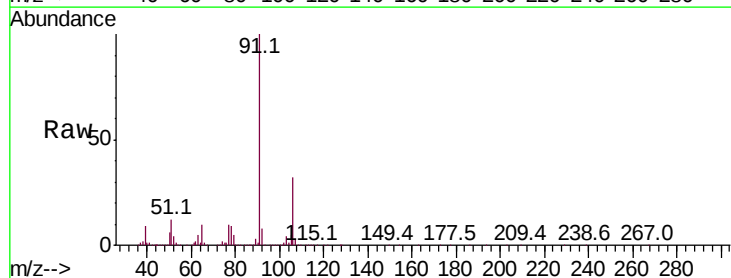


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

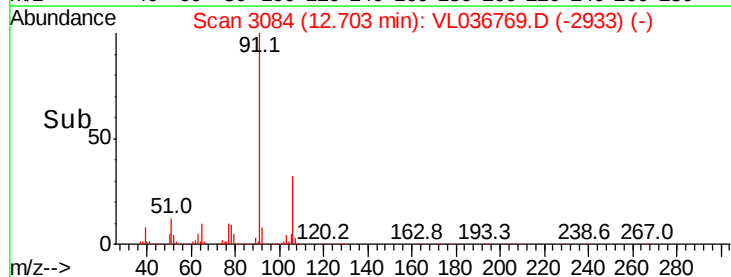
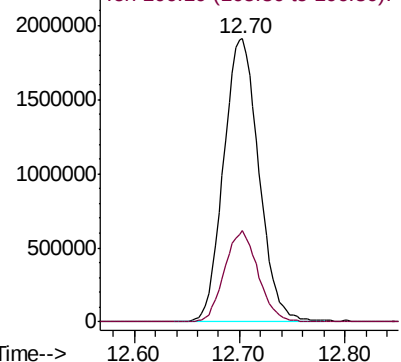


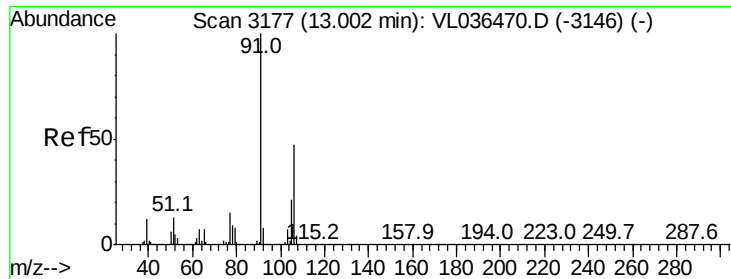
#58
Ethyl Benzene
Concen: 10.184 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.3	37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





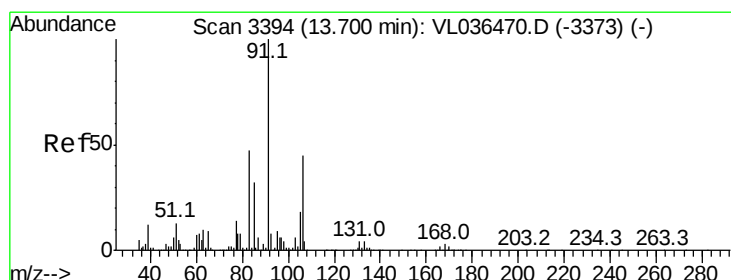
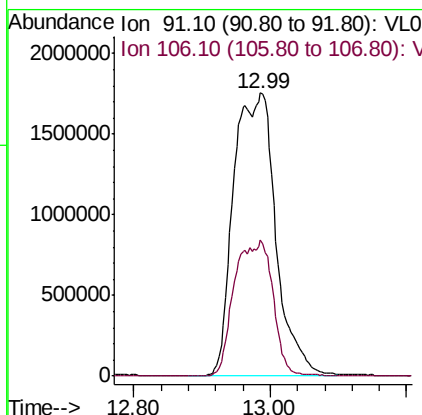
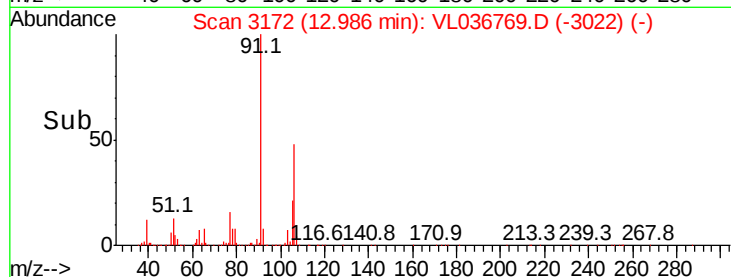
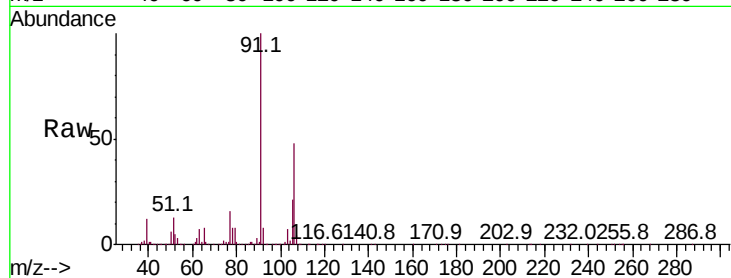
#59
m/p-Xylene
Concen: 19.793 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7538806
Ion Ratio Lower Upper
91 100
106 43.7 35.3 52.9

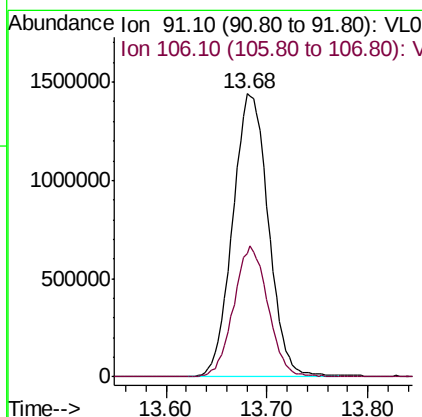
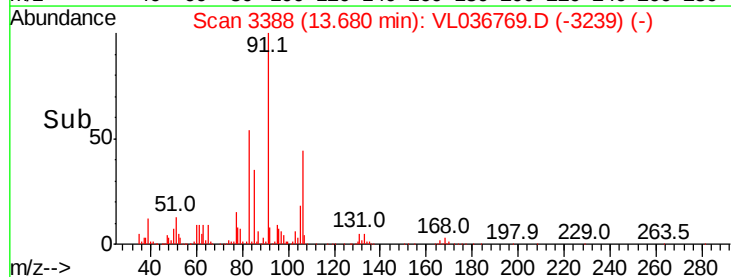
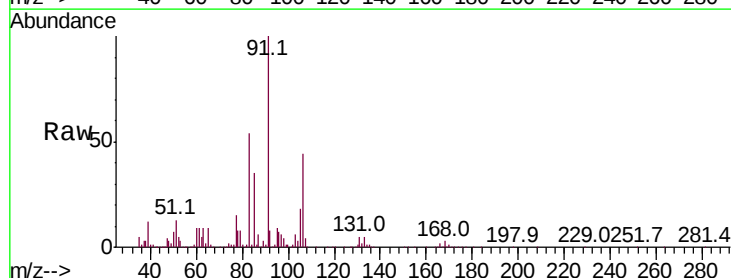
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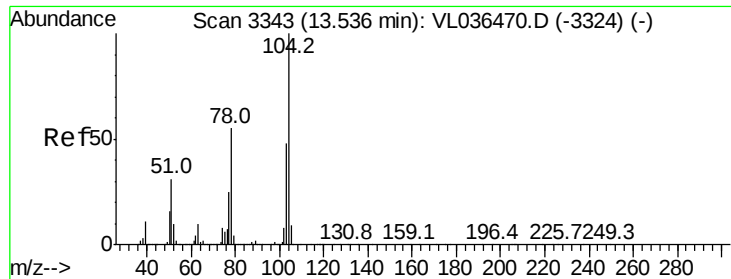
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#60
o-Xylene
Concen: 9.594 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 91 Resp: 3533261
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





#61

Stvrene

Concen: 11.187 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2072771

Ion Ratio Lower Upper

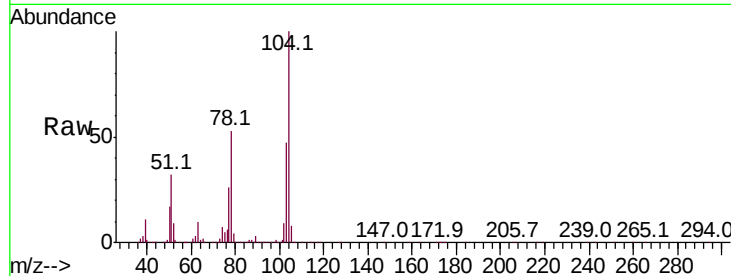
104 100

78 53.7 43.8 65.8

103 47.7 38.3 57.5

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1200000

1000000

800000

600000

400000

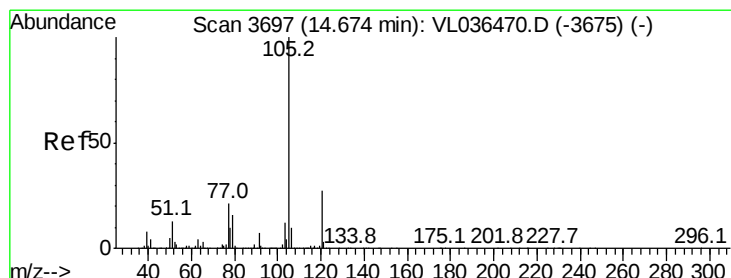
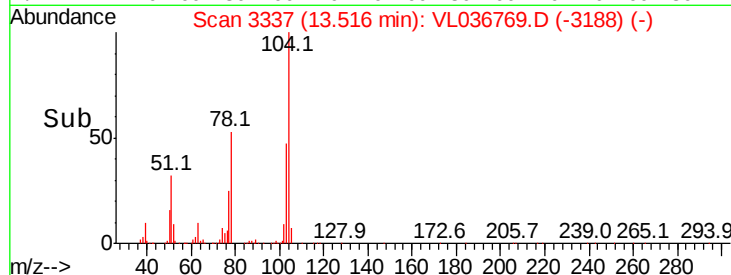
200000

0

13.52

13.50 13.60

Time-->



#62

Isopropylbenzene

Concen: 9.646 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL036769.D

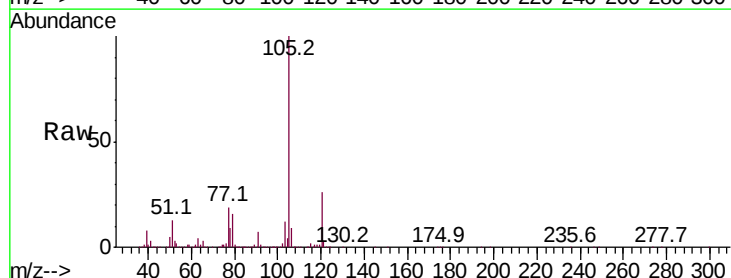
Acq: 9 Apr 2021 10:01

Tgt Ion:105 Resp: 4783712

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

2000000

1500000

1000000

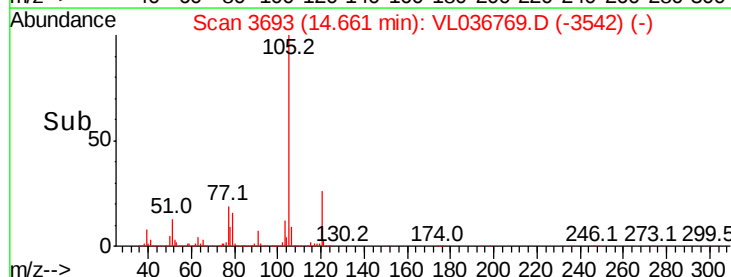
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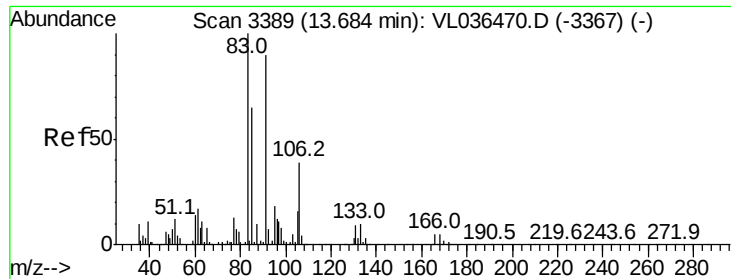
0

14.66

14.60 14.70

Time-->





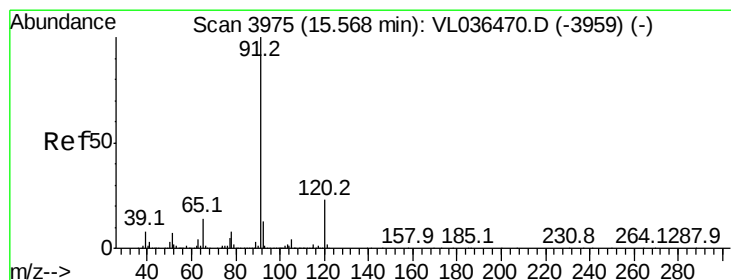
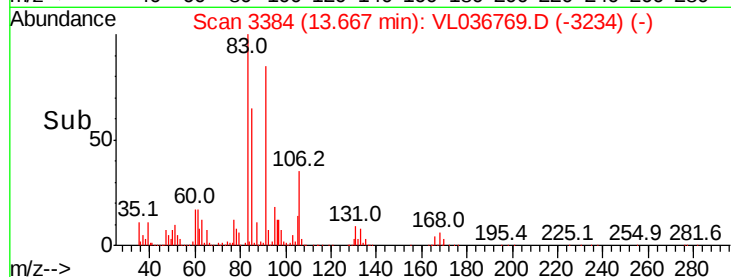
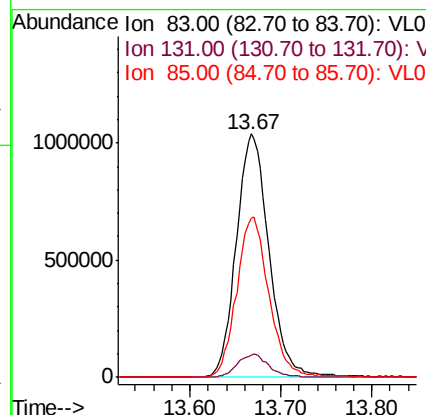
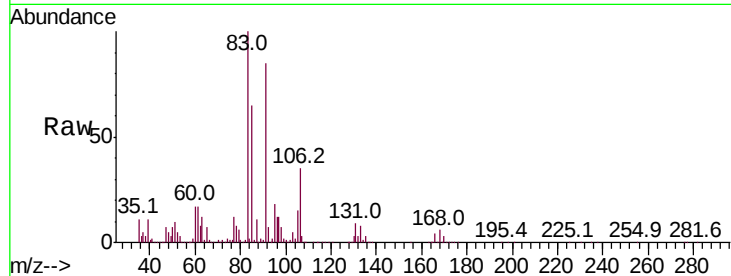
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.209 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 2587240
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.0
 85 65.6 33.1 99.3

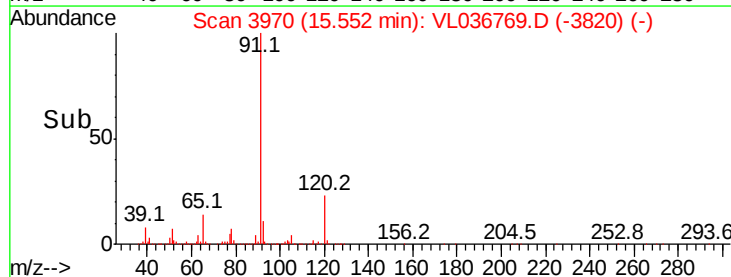
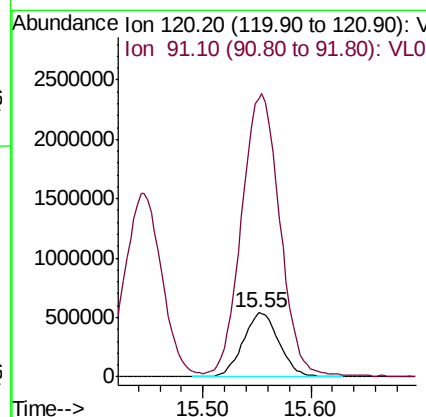
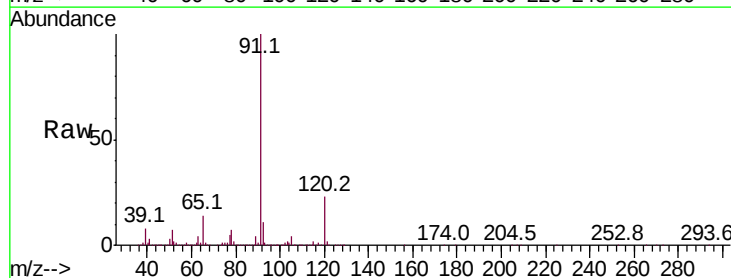
Manual Integrations
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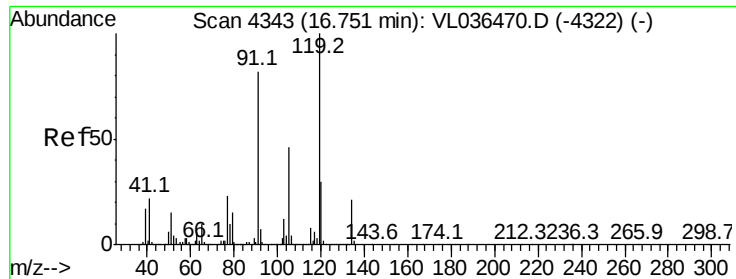
MMDadoda
 4/12/2021 5:42:34 PM



#64
 n-propylbenzene
 Concen: 10.364 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion:120 Resp: 1256653
 Ion Ratio Lower Upper
 120 100
 91 471.7 377.4 566.2





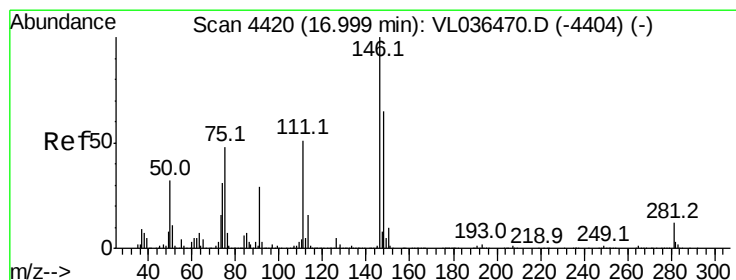
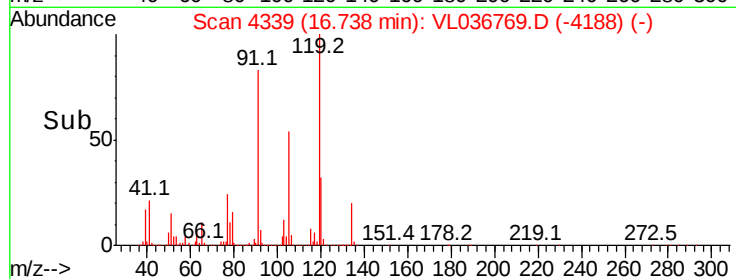
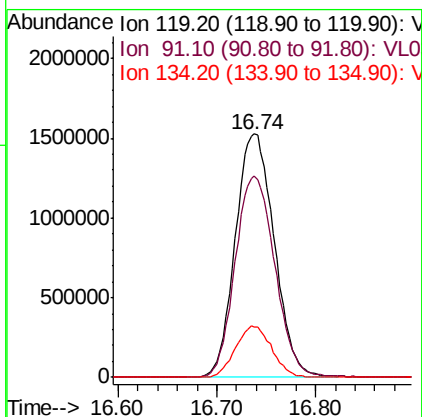
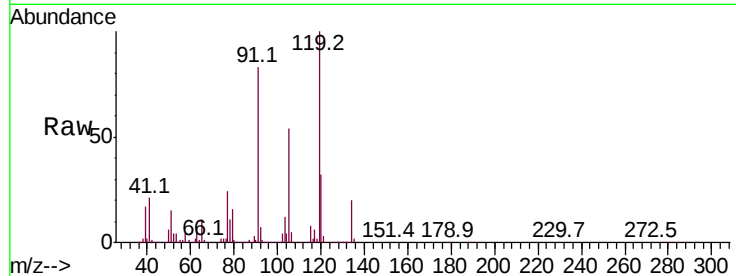
#65
tert-Butylbenzene
Concen: 9.721 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 4180513
Ion Ratio Lower Upper
119 100
91 84.5 67.5 101.3
134 19.7 15.8 23.8

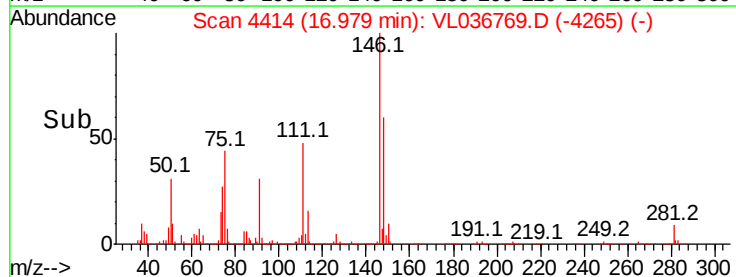
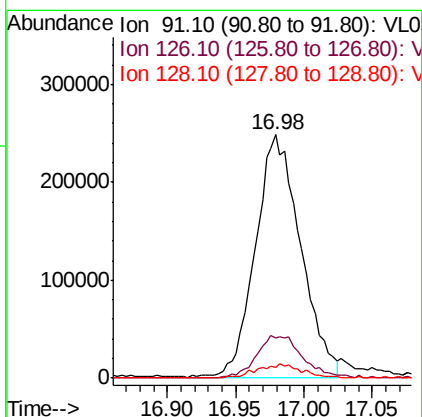
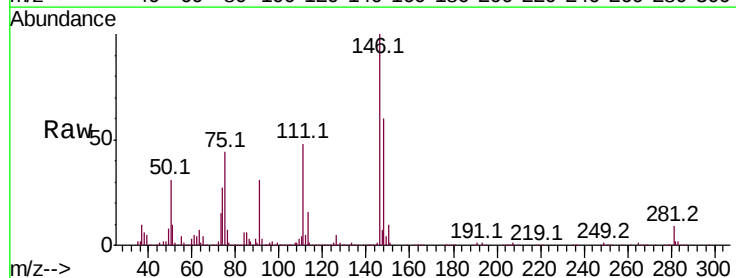
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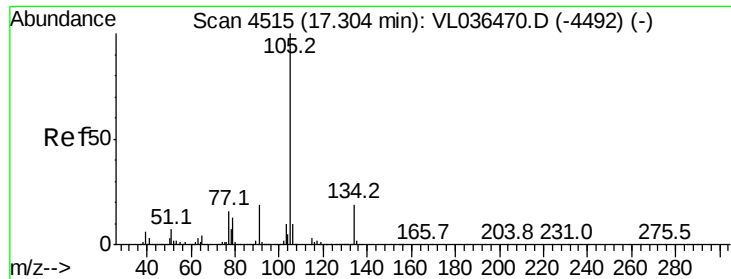
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#66
Benzyl Chloride
Concen: 11.933 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion: 91 Resp: 567216
Ion Ratio Lower Upper
91 100
126 18.4 13.5 20.3
128 5.9 4.2 6.4





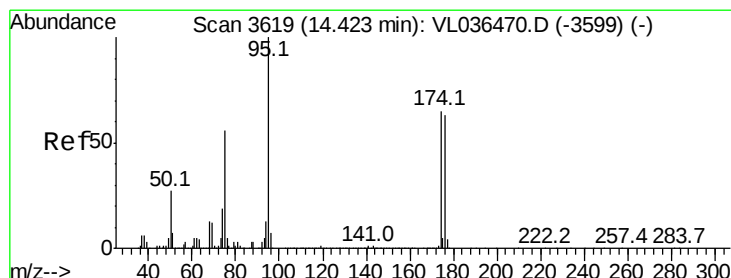
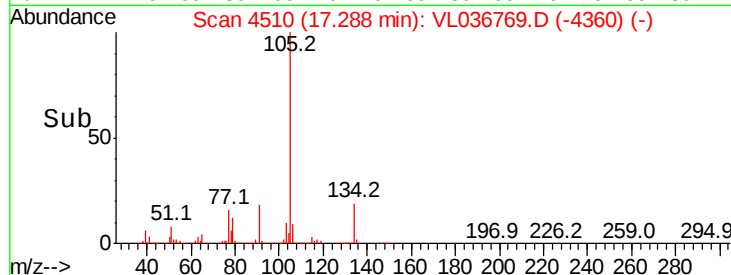
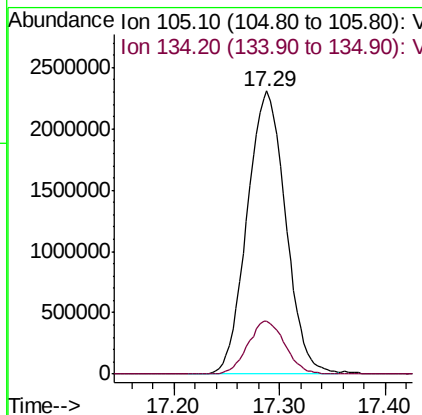
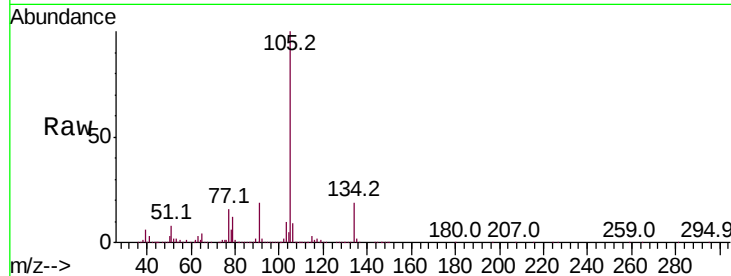
#67
 sec-Butylbenzene
 Concen: 9.666 ppbv
 RT: 17.29 min Scan# 4510
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 5867807
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1

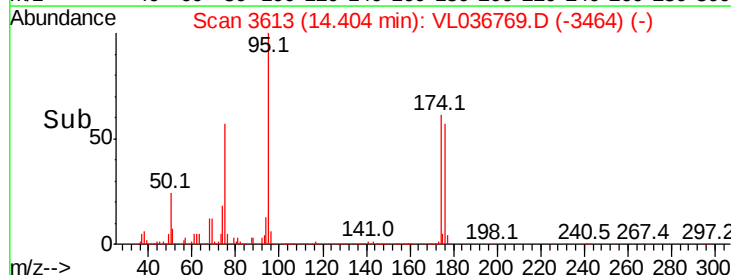
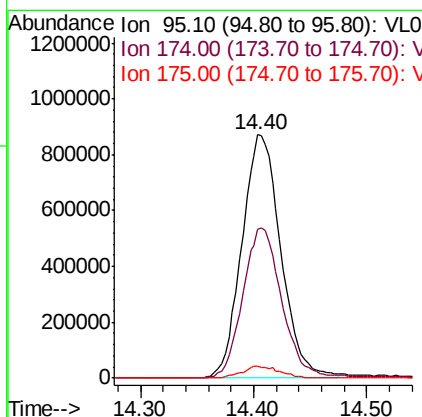
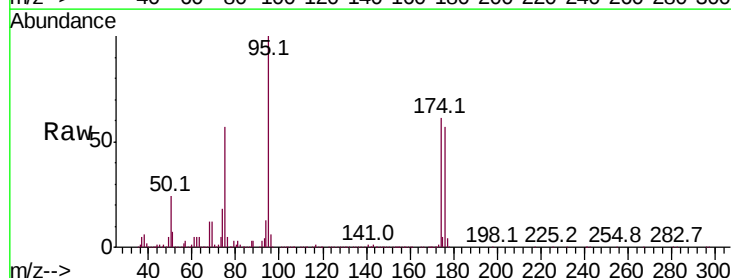
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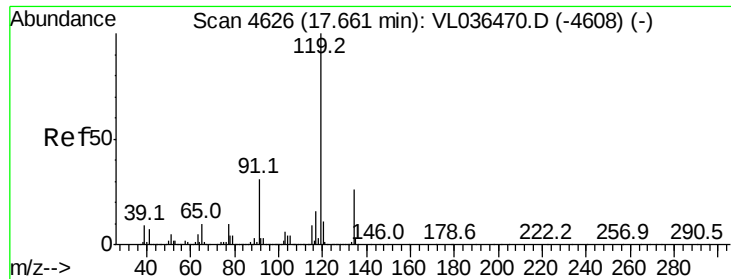
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.697 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion: 95 Resp: 2080517
 Ion Ratio Lower Upper
 95 100
 174 63.1 51.0 76.6
 175 4.9 3.9 5.9





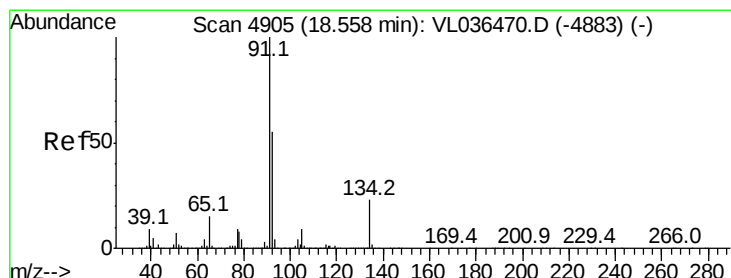
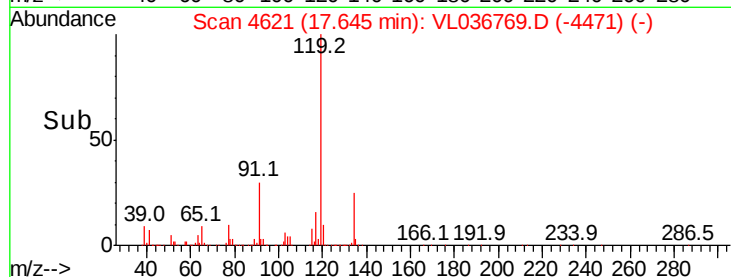
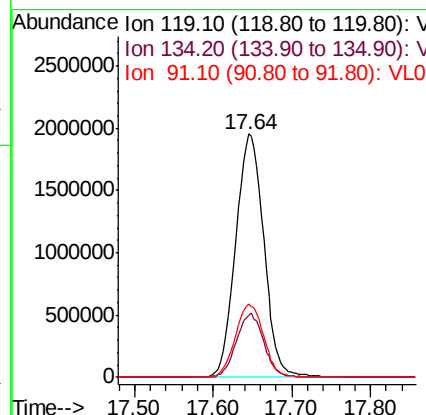
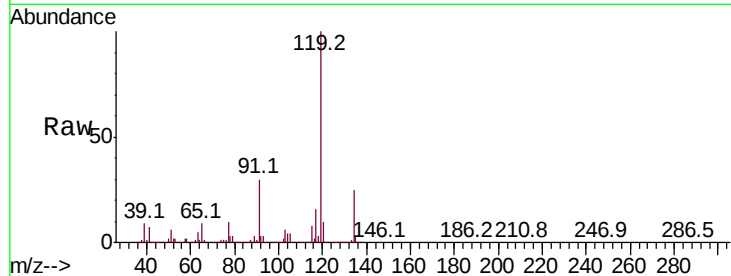
#69
 p-Isopropyltoluene
 Concen: 10.246 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.5	25.0	37.6

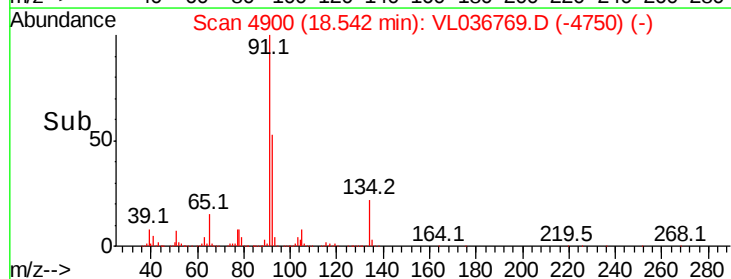
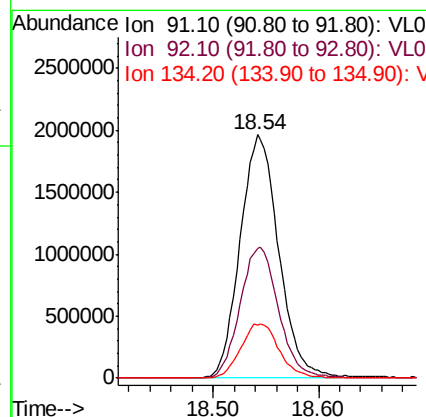
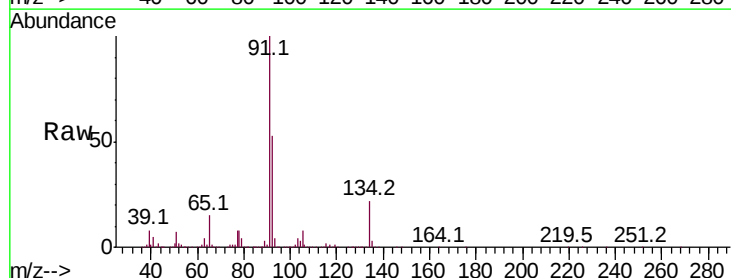
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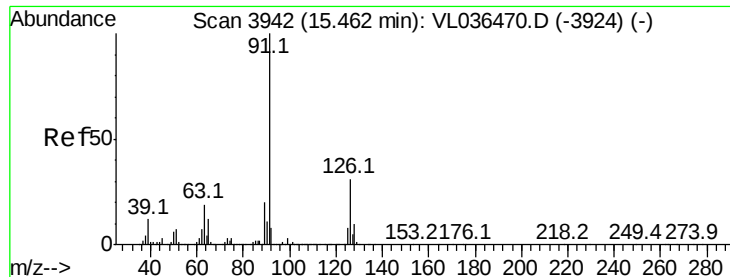
MMDadoda
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#70
 n-Butylbenzene
 Concen: 10.142 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
134	22.5	18.0	27.0





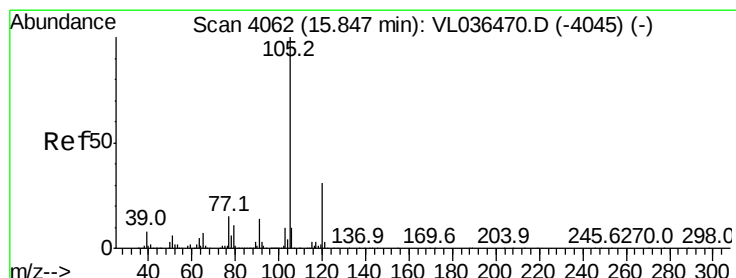
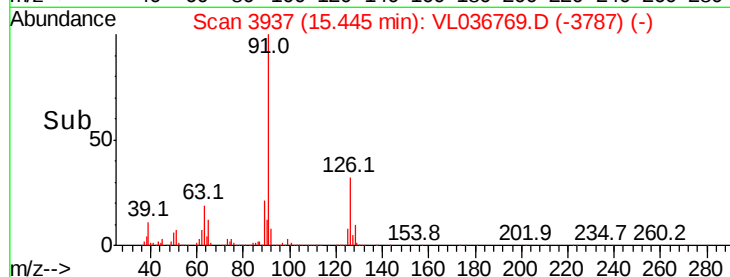
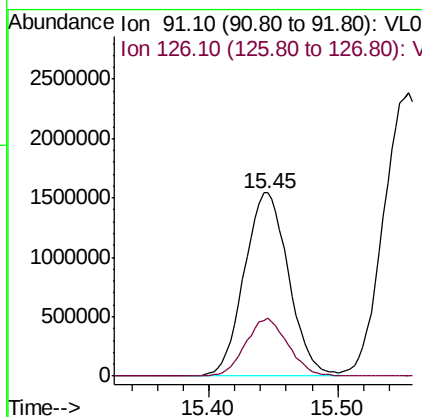
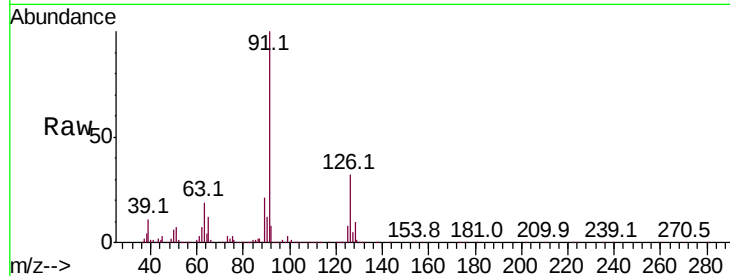
#71
 2-Chlorotoluene
 Concen: 9.950 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 3697652
 Ion Ratio Lower Upper
 91 100
 126 30.9 12.1 48.5

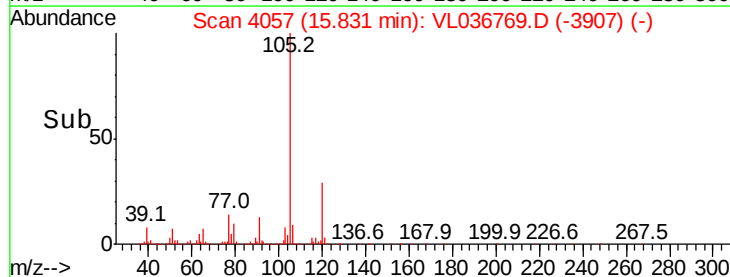
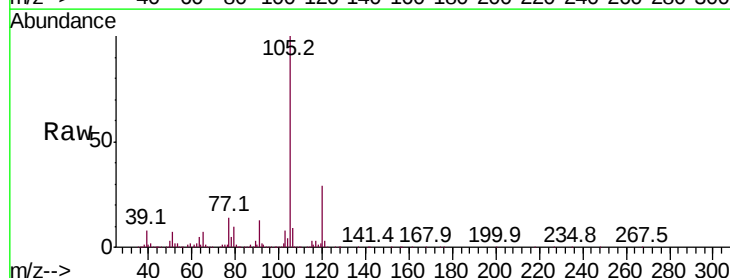
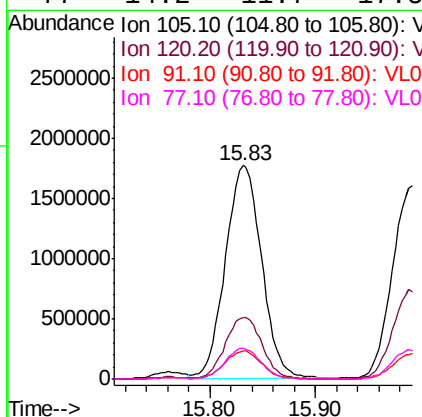
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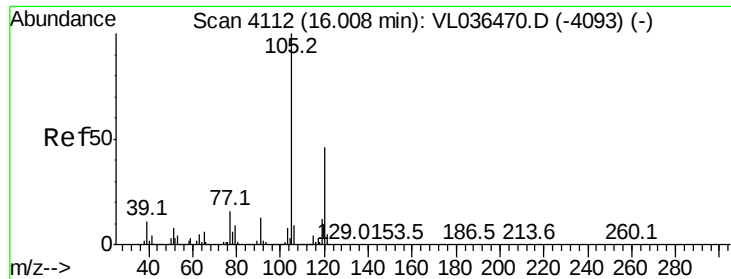
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 10.454 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion:105 Resp: 4218553
 Ion Ratio Lower Upper
 105 100
 120 29.4 24.0 36.0
 91 13.0 11.0 16.4
 77 14.2 11.7 17.5





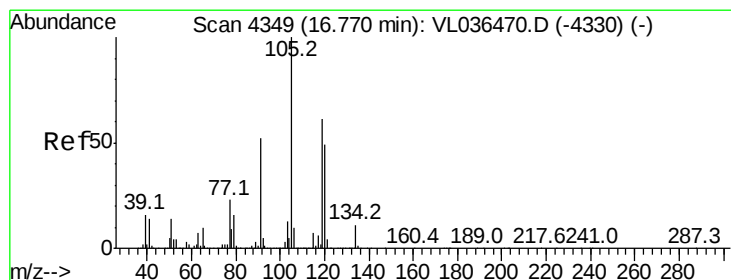
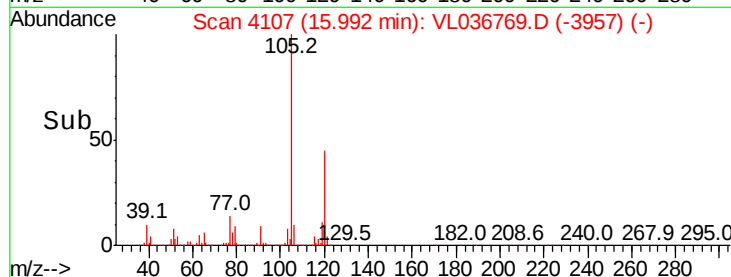
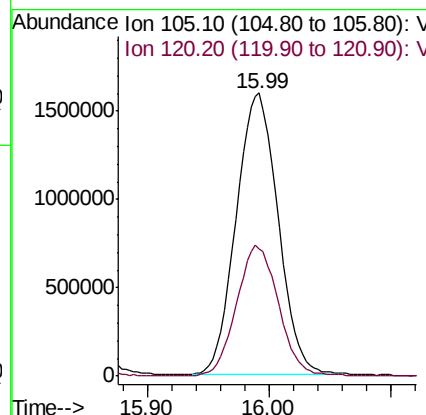
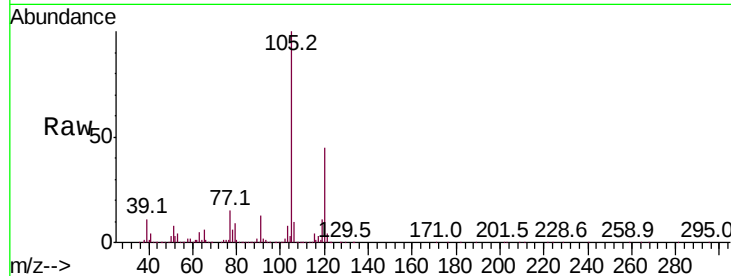
#73
 1,3,5-Trimethylbenzene
 Concen: 10.060 ppbv
 RT: 15.99 min Scan# 4107
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3789223
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.6 54.8

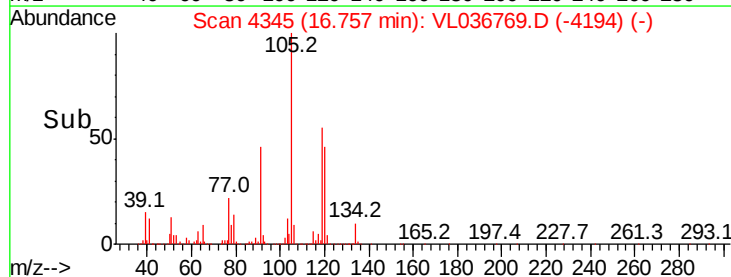
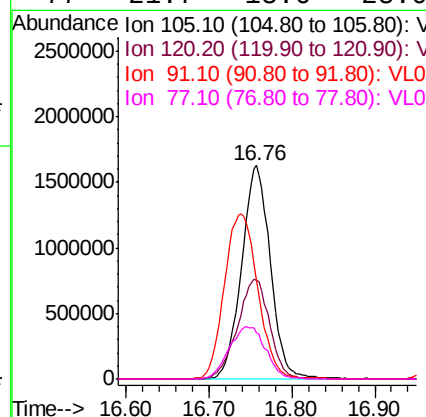
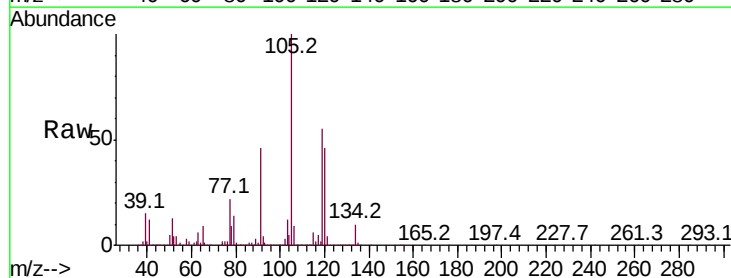
Manual Integrations
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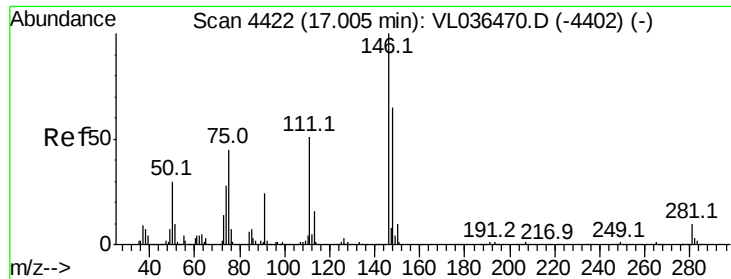
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.718 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion:105 Resp: 3916837
 Ion Ratio Lower Upper
 105 100
 120 46.4 39.2 58.8
 91 46.2 42.6 64.0
 77 21.7 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 10.026 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2274601

Ion Ratio Lower Upper

146 100

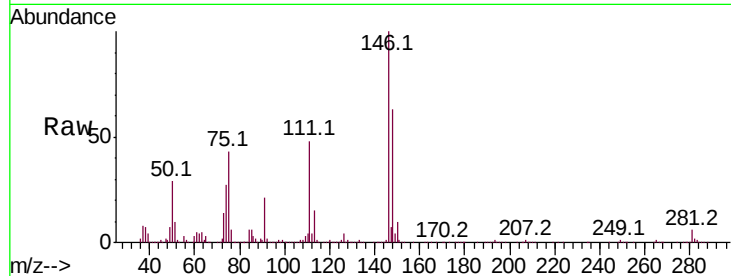
111 48.7 24.5 73.5

148 64.1 32.3 96.9

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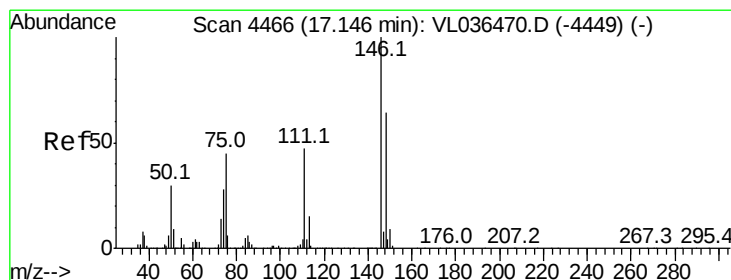
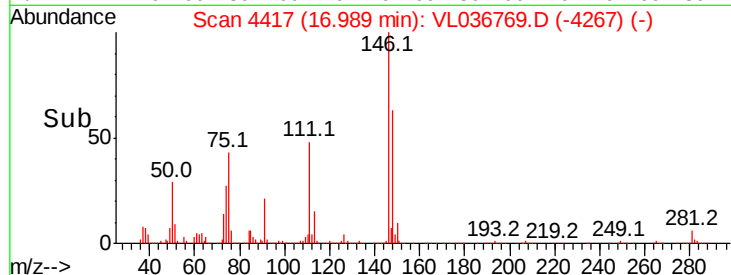
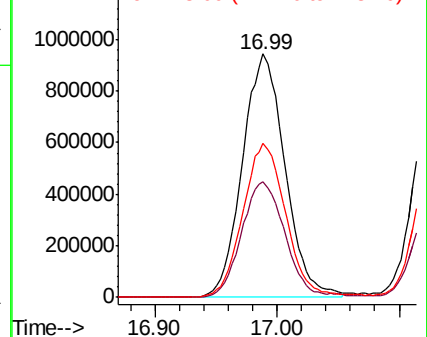


Abundance

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: 9.609 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036769.D

Acq: 9 Apr 2021 10:01

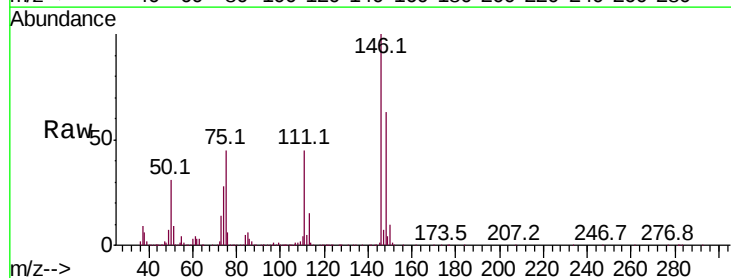
Tgt Ion:146 Resp: 2164606

Ion Ratio Lower Upper

146 100

111 48.4 24.3 72.8

148 67.4 33.0 98.9

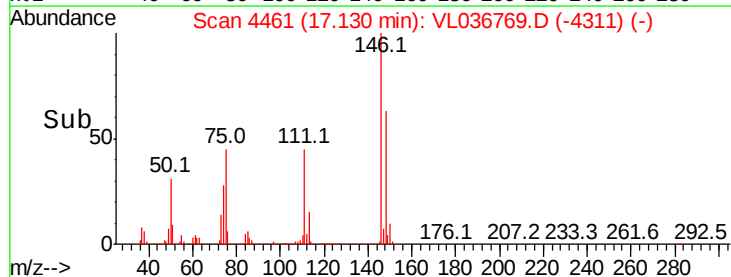
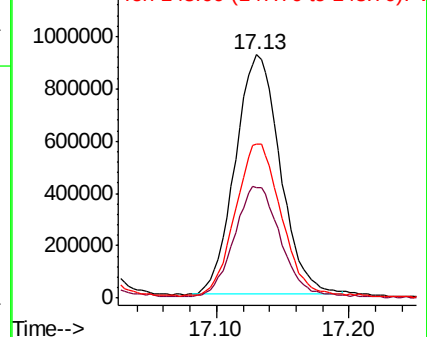


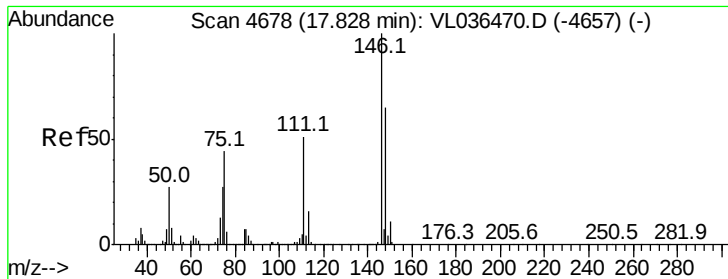
Abundance

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





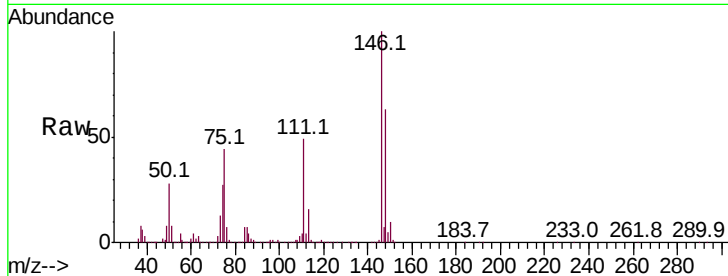
#77
 1,2-Dichlorobenzene
 Concen: 10.252 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.0	25.5	76.5
148	65.7	32.9	98.6

Manual Integrations
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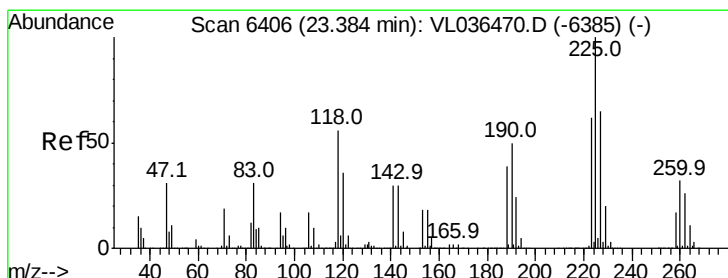
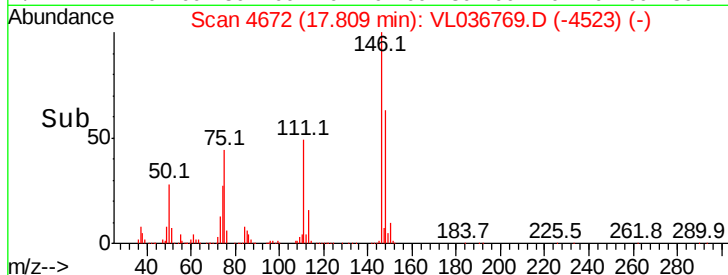
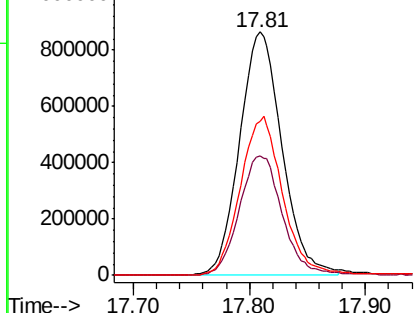


Abundance

Ion 146.00 (145.70 to 146.70): V

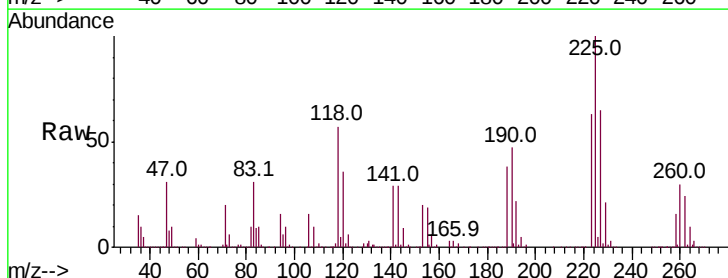
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.373 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. -0.01 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	75.8
227	64.8	52.2	78.2

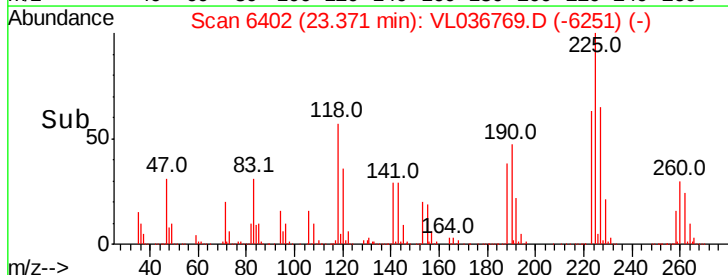
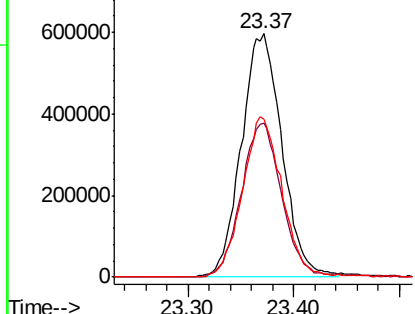


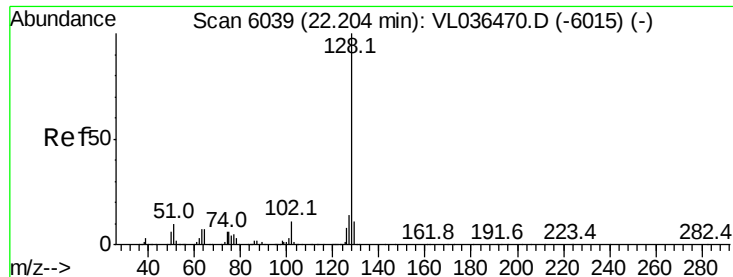
Abundance

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





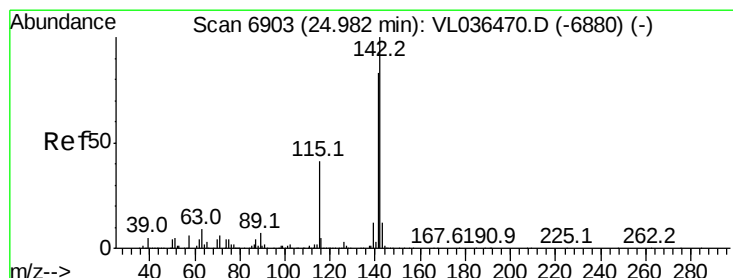
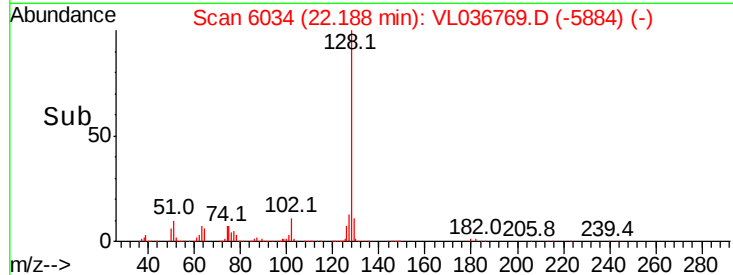
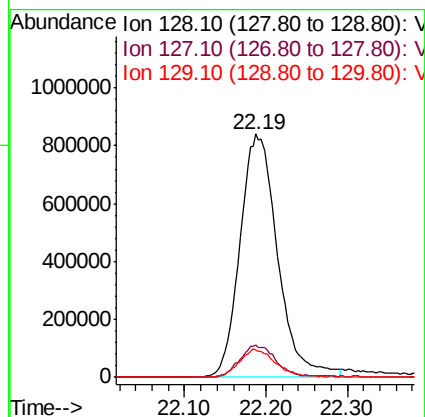
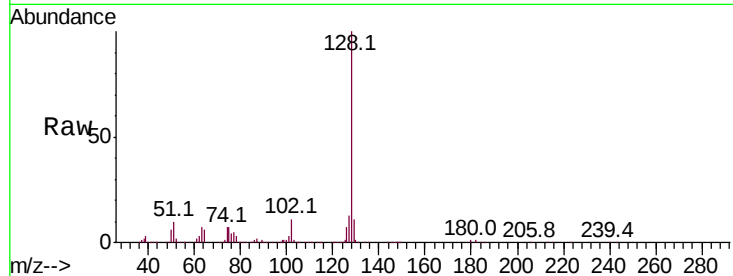
#79
Naphthalene
Concen: 11.388 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. -0.02 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.9	16.3
129	11.0	9.0	13.4

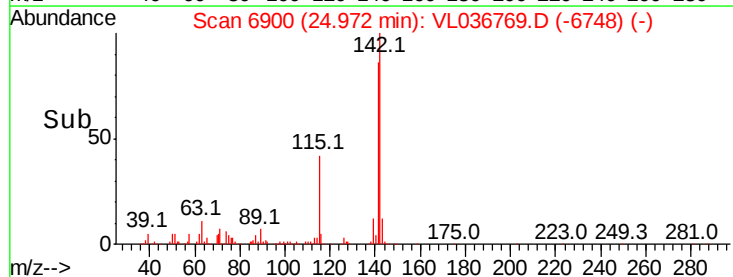
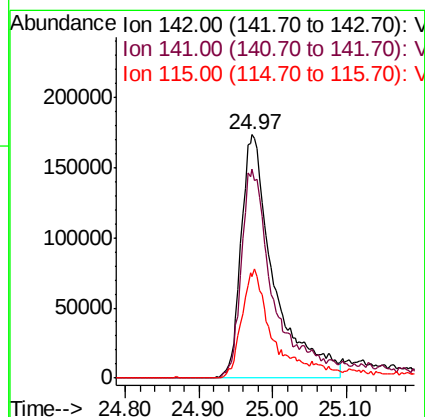
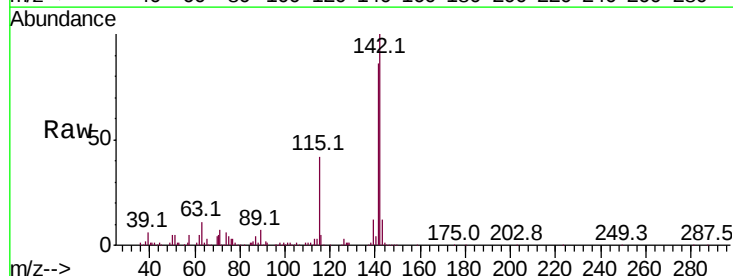
Manual Integrations
APPROVED

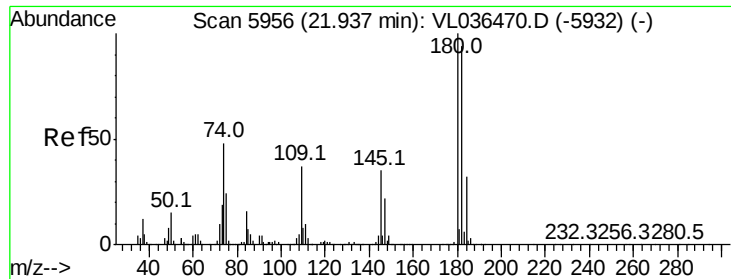
MMDadoda
4/12/2021 5:42:34 PM



#80
Naphthalene, 2-methyl-
Concen: 11.637 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. -0.01 min
Lab File: VL036769.D
Acq: 9 Apr 2021 10:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.8	101.8
115	45.5	34.0	51.0





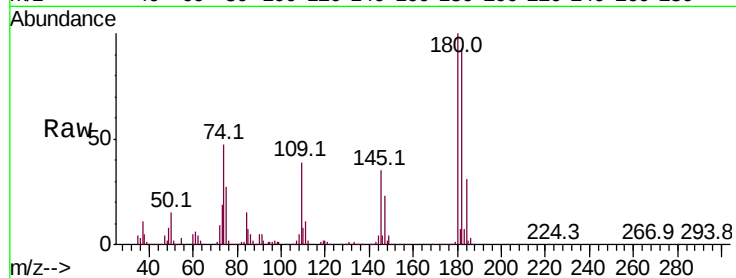
#81
 1,2,4-Trichlorobenzene
 Concen: 10.300 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL036769.D
 Acq: 9 Apr 2021 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.2	80.8	121.2
184	31.9	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 5:42:34 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

