

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036589.D
 Acq On : 31 Mar 2021 4:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 11:00:01 AM

Quant Time: Mar 31 16:05:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1308264	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3189885	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3012623m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2494076	10.39	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2510495	11.765	ppbv	96
3) Chlorodifluoromethane	2.98	51	2777076	11.361	ppbv	100
4) Chloromethane	3.13	50	1013382	11.737	ppbv	99
5) Vinyl Chloride	3.25	62	1013941	11.421	ppbv	99
6) Bromomethane	3.46	94	555768	11.371	ppbv	93
7) Chloroethane	3.55	64	358705	11.759	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	2337826	11.479	ppbv	98
9) Propene	3.00	41	924790	11.868	ppbv	98
10) Heptane	8.11	43	2387322	12.026	ppbv	100
11) Trichlorofluoromethane	3.94	101	2506723	11.527	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1637034	11.774	ppbv	98
13) Ethanol	3.60	45	87878m	9.470	ppbv	
14) Bromoethene	3.73	108	705294	12.202	ppbv	97
15) Acetone	3.84	43	1398046	10.857	ppbv	100
16) 1,3-Butadiene	3.32	39	1058160	11.804	ppbv	100
17) tert-Butyl alcohol	4.28	59	1264034	11.277	ppbv	98
18) 1,1-Dichloroethene	4.28	96	722517	11.683	ppbv	92
19) Isopropyl Alcohol	3.96	45	713979	10.080	ppbv	99
20) Methylene Chloride	4.34	84	614219	10.188	ppbv	98
21) Allyl Chloride	4.40	41	1239917	12.080	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	681224	11.881	ppbv	91
23) Vinyl Acetate	5.07	43	2605335	11.829	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1878621	11.702	ppbv	# 98
25) Ethyl Acetate	5.67	43	3593577	11.739	ppbv	99
26) Hexane	5.68	57	1660361	11.688	ppbv	99
27) Carbon Disulfide	4.54	76	1812418	12.951	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	2028133	12.106	ppbv	99
29) Chloroform	5.74	83	2610600	11.491	ppbv	98
30) Cyclohexane	7.12	84	1411964	12.255	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1671636	12.166	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2607180	11.387	ppbv	98
34) 2-Butanone	5.24	43	1795590	11.532	ppbv	99
35) Carbon Tetrachloride	7.01	117	2753530	11.239	ppbv	96
36) Benzene	6.88	78	3414018	11.605	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2024233	11.690	ppbv	100
38) Trichloroethene	7.83	130	1215383	10.616	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1359445	11.391	ppbv	97
40) 1,4-Dioxane	7.83	88	264226m	9.513	ppbv	
41) Tetrahydrofuran	6.04	42	828972	11.547	ppbv	96
42) Bromodichloromethane	7.78	83	2853860	12.117	ppbv	99
43) Methyl Methacrylate	8.01	69	1249919	12.652	ppbv	99

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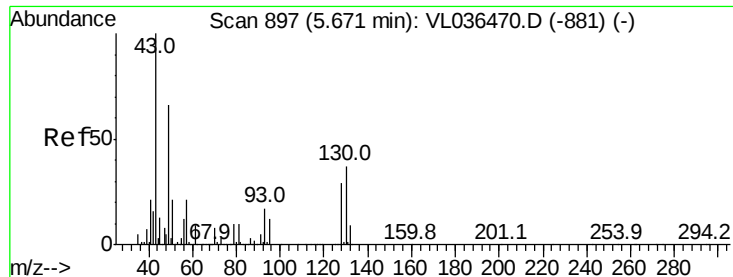
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5836155	11.272	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1381220	12.244	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1718209	11.916	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1360161	11.252	ppbv	98
48) Dibromochloromethane	10.29	129	2239674	12.155	ppbv	100
49) Bromoform	13.03	173	1744146	11.748	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2773919	12.312	ppbv	99
51) 2-Hexanone	10.13	43	1525975	13.421	ppbv #	100
52) Tetrachloroethene	11.21	164	1137419	10.499	ppbv	98
53) Toluene	9.80	91	3758951	11.998	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1923708	11.269	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1497955	10.993	ppbv	98
57) Chlorobenzene	12.14	112	2688139	10.487	ppbv #	97
58) Ethyl Benzene	12.70	91	5000089	11.408	ppbv	99
59) m/p-Xylene	12.99	91	8398254m	21.968	ppbv	
60) o-Xylene	13.68	91	3959701	10.712	ppbv	100
61) Styrene	13.52	104	2302922	12.384	ppbv	100
62) Isopropylbenzene	14.66	105	5345716	10.739	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2747211	9.743	ppbv	99
64) n-propylbenzene	15.55	120	1401021	11.512	ppbv	98
65) tert-Butylbenzene	16.74	119	4581391	10.614	ppbv	99
66) Benzyl Chloride	16.98	91	574747	12.047	ppbv	99
67) sec-Butylbenzene	17.29	105	6400278	10.505	ppbv	100
69) p-Isopropyltoluene	17.64	119	5301128	11.142	ppbv	100
70) n-Butylbenzene	18.54	91	5510510	11.170	ppbv	100
71) 2-Chlorotoluene	15.45	91	4049311	10.856	ppbv	99
72) 4-Ethyltoluene	15.83	105	4551410	11.237	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4143643	10.961	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4241621	10.485	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2328906	10.228	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2239155	9.904	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2234145	10.438	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1910086	9.964	ppbv	99
79) Naphthalene	22.19	128	3442391	14.582	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	688056	14.781	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1906669	13.082	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1308264

Ion Ratio Lower Upper

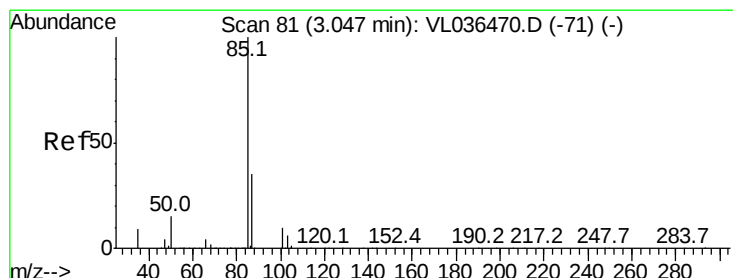
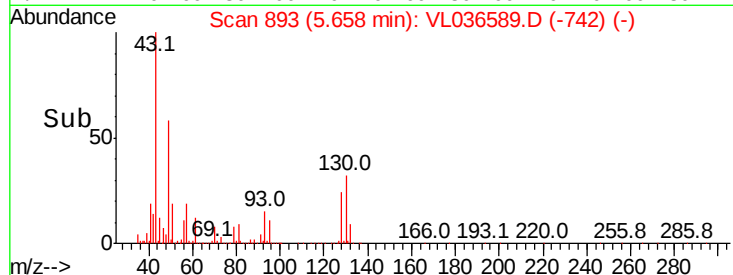
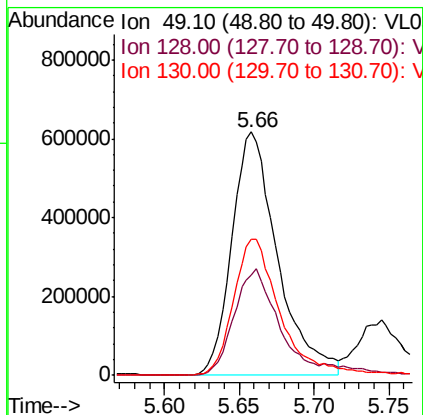
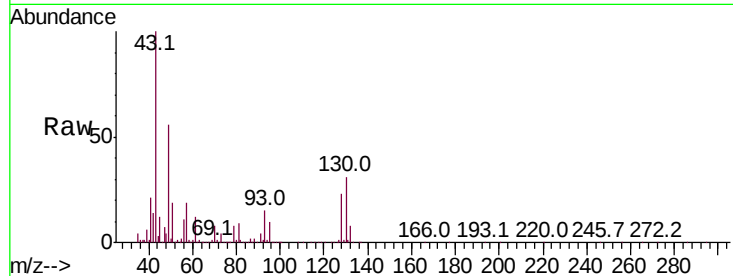
49 100

128 46.8 23.5 70.6

130 58.0 29.1 87.4

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#2

Dichlorodifluoromethane

Concen: 11.765 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036589.D

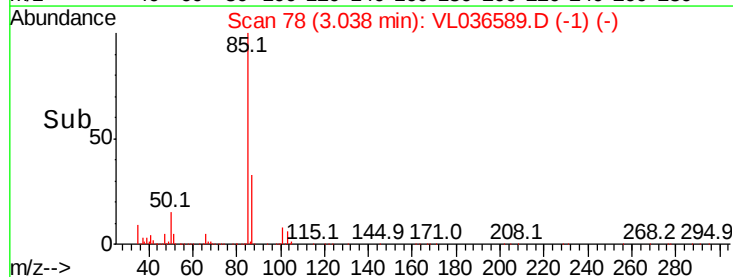
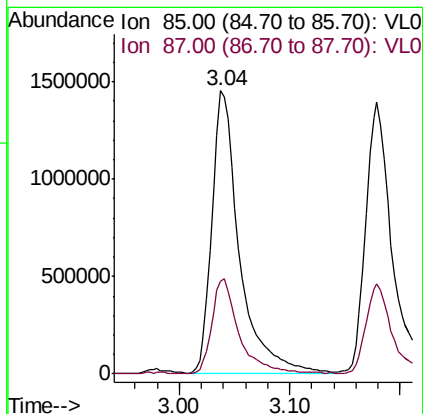
Acq: 31 Mar 2021 4:08

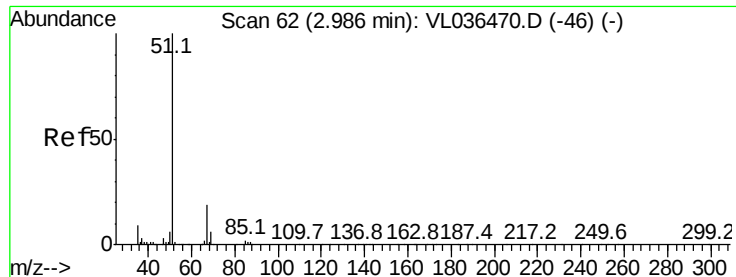
Tgt Ion: 85 Resp: 2510495

Ion Ratio Lower Upper

85 100

87 32.7 27.8 41.8





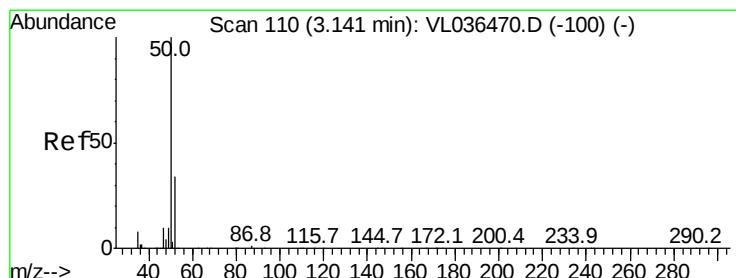
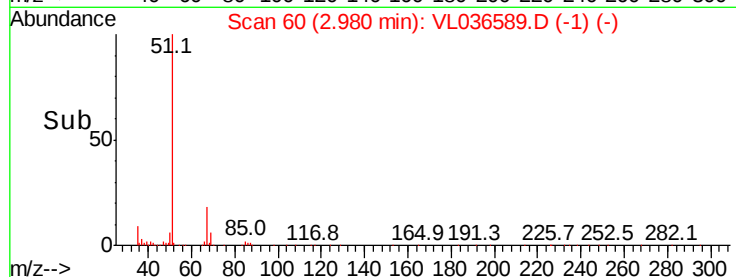
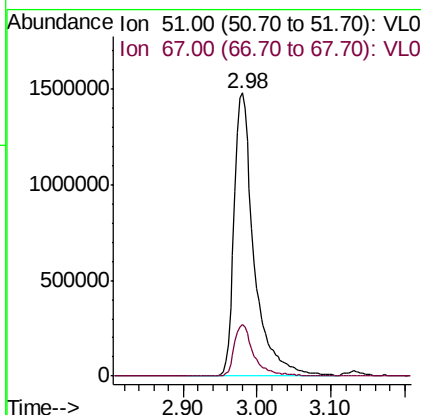
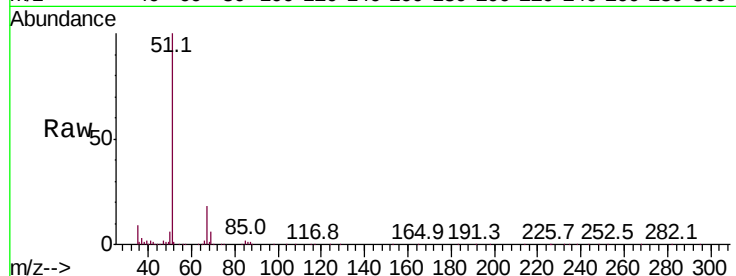
#3
Chlorodifluoromethane
Concen: 11.361 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2777076
Ion Ratio Lower Upper
51 100
67 18.2 14.7 22.1

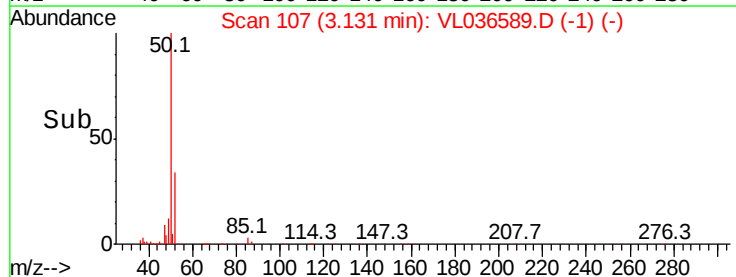
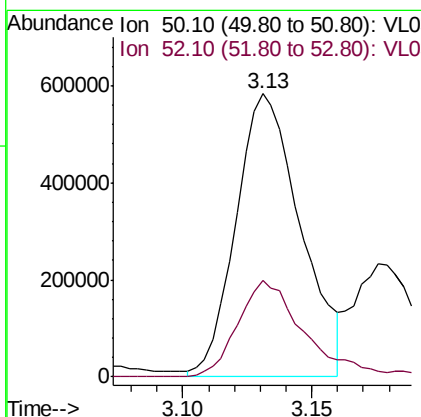
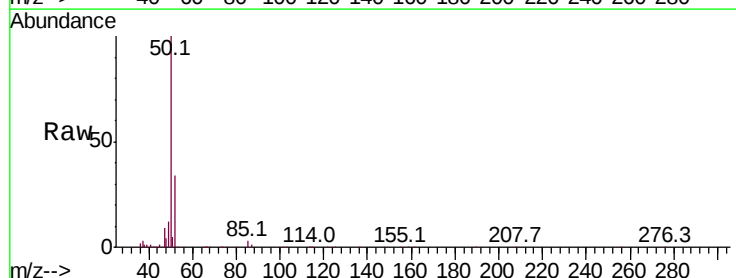
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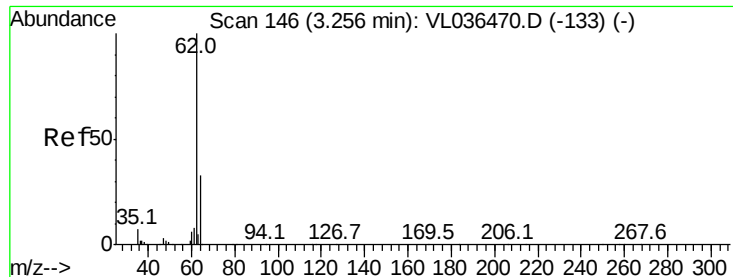
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#4
Chloromethane
Concen: 11.737 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 50 Resp: 1013382
Ion Ratio Lower Upper
50 100
52 34.3 27.0 40.6





#5

Vinyl Chloride

Concen: 11.421 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1013941

Ion Ratio Lower Upper

62 100

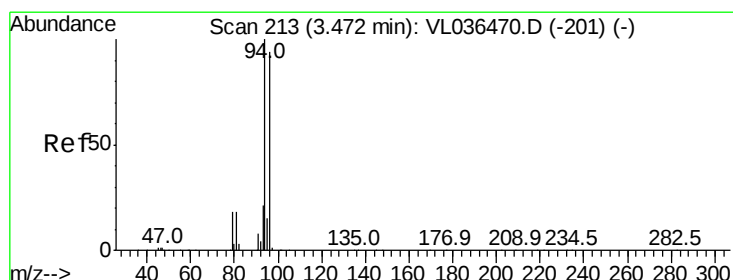
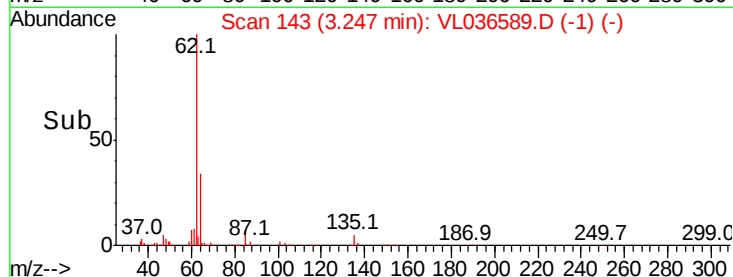
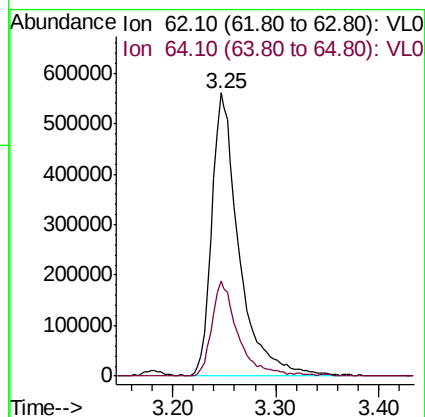
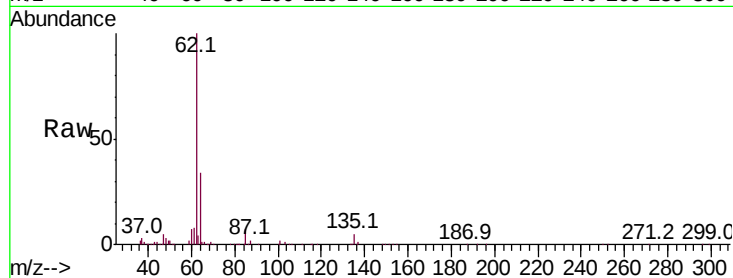
64 33.5 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 11.371 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036589.D

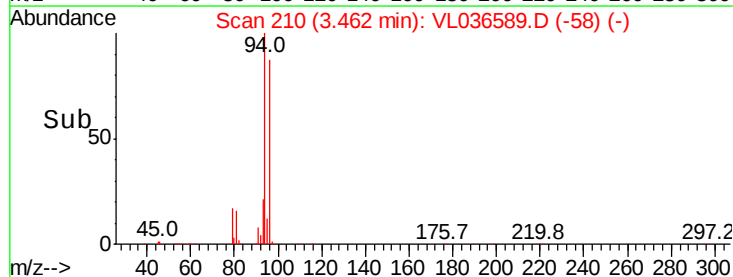
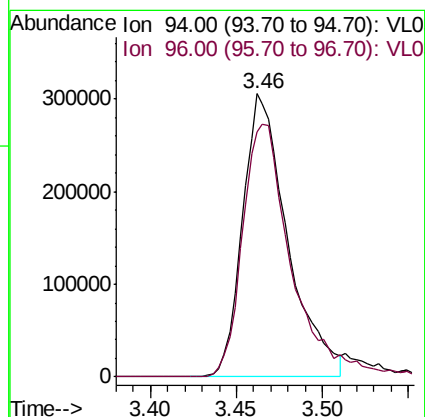
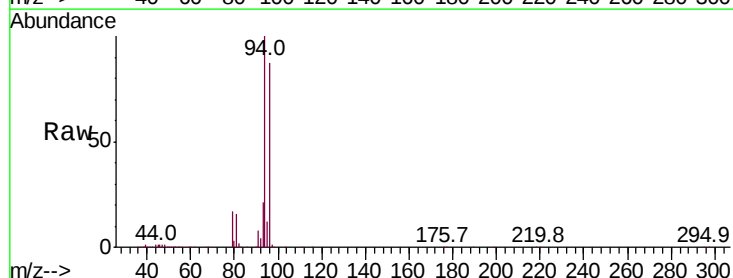
Acq: 31 Mar 2021 4:08

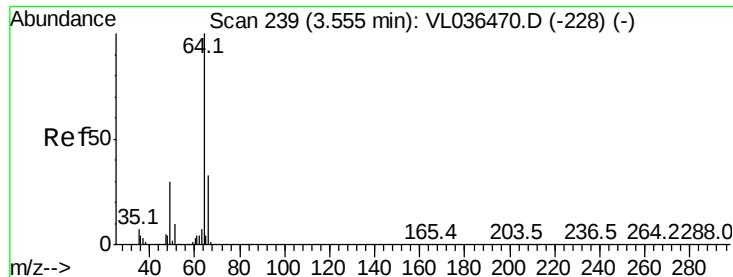
Tgt Ion: 94 Resp: 555768

Ion Ratio Lower Upper

94 100

96 86.7 74.9 112.3





#7

Chloroethane

Concen: 11.759 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 358705

Ion Ratio Lower Upper

64 100

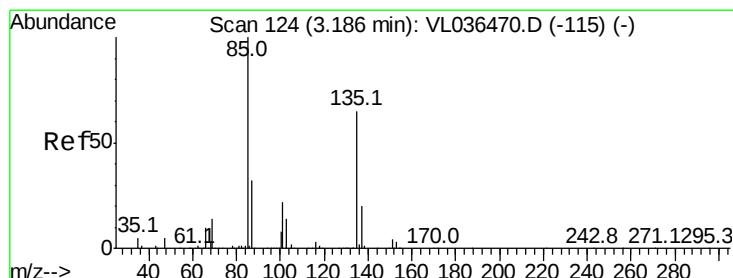
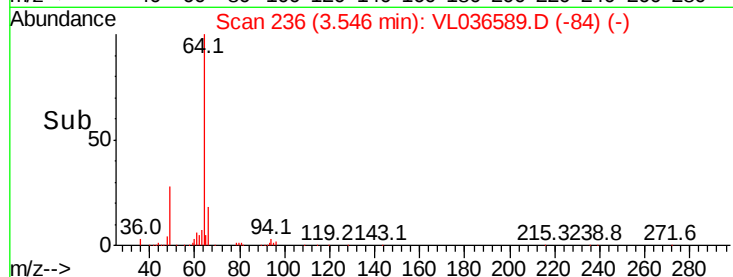
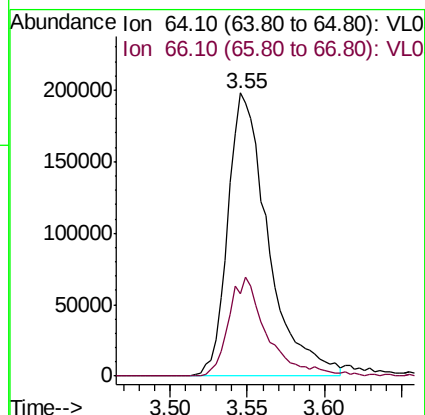
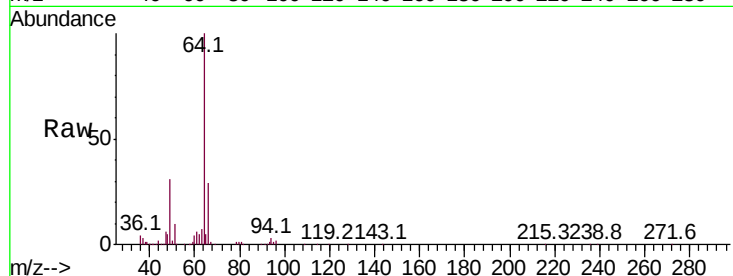
66 29.2 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 11.479 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036589.D

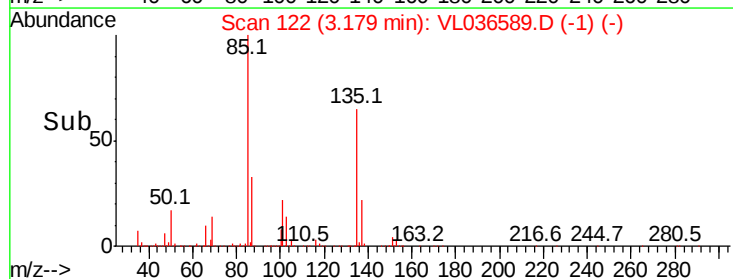
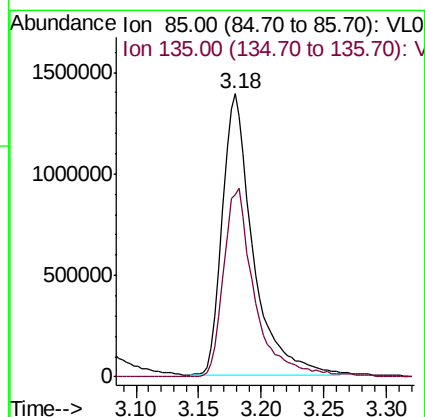
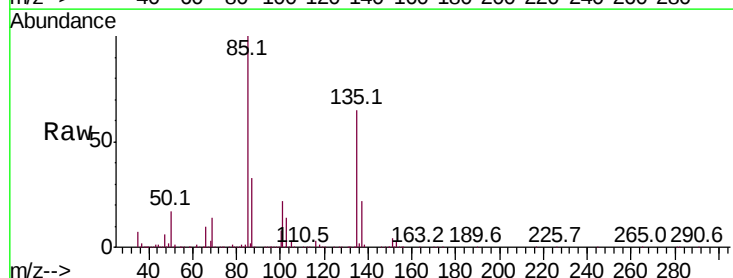
Acq: 31 Mar 2021 4:08

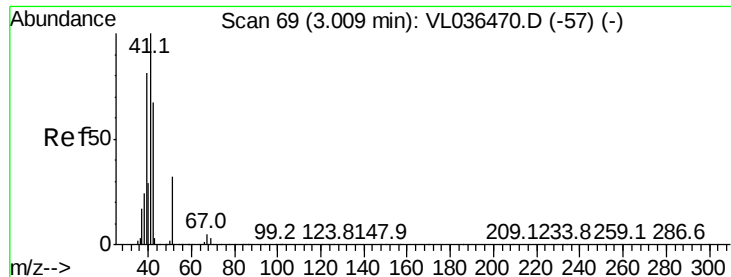
Tgt Ion: 85 Resp: 2337826

Ion Ratio Lower Upper

85 100

135 69.3 54.3 81.5





#9

Propene

Concen: 11.868 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 924790

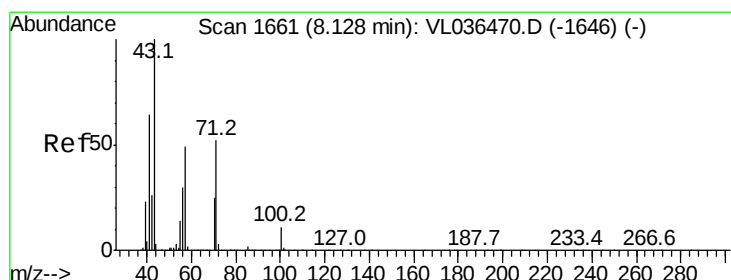
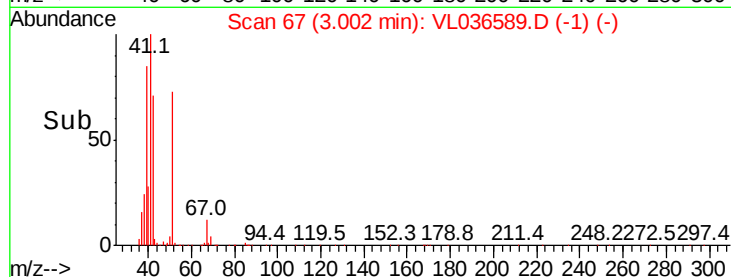
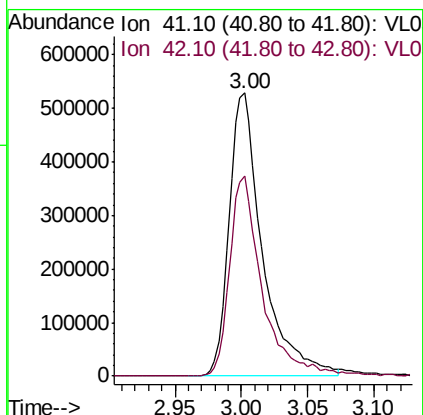
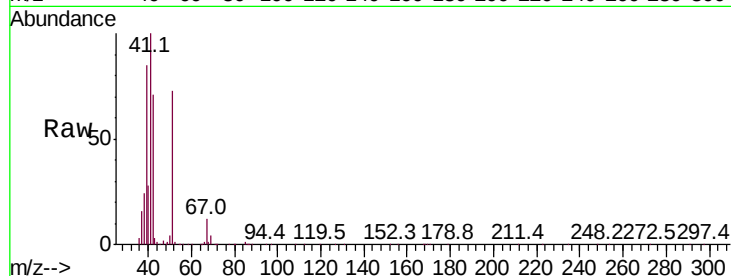
Ion Ratio Lower Upper

41 100

42 69.6 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 12.026 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036589.D

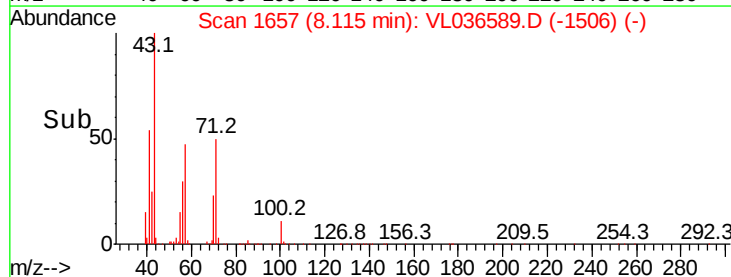
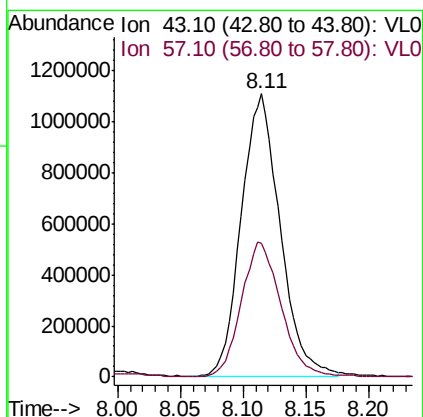
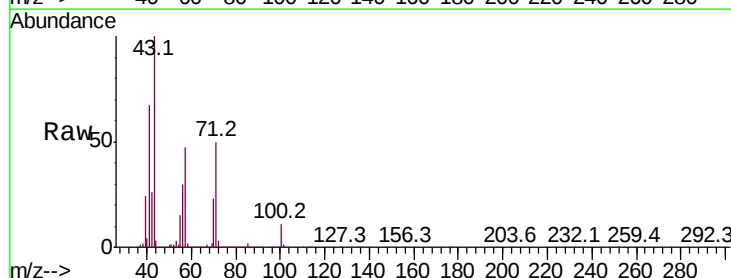
Acq: 31 Mar 2021 4:08

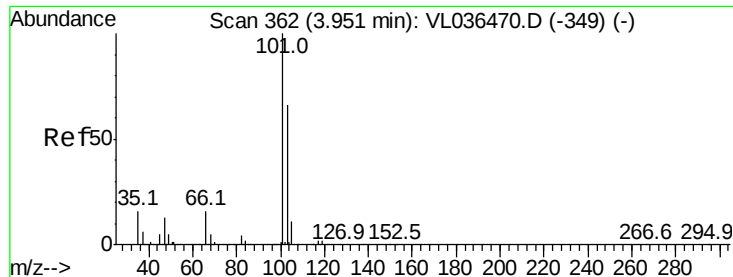
Tgt Ion: 43 Resp: 2387322

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6





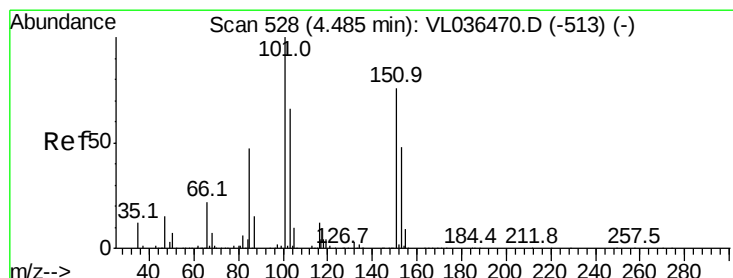
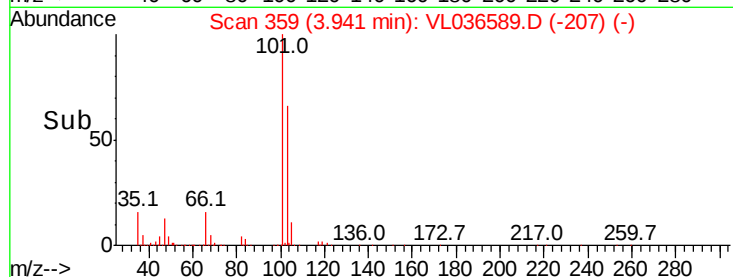
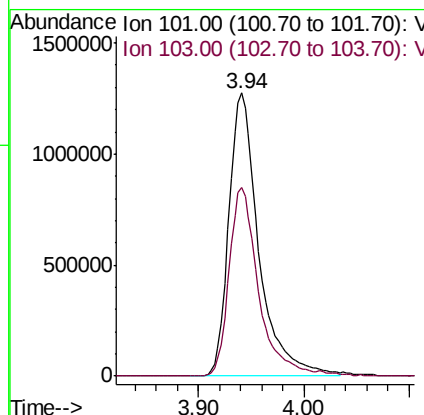
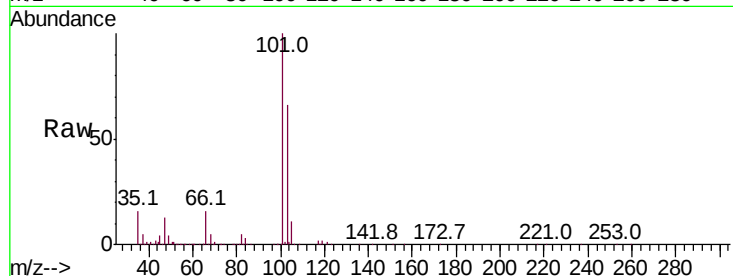
#11
 Trichlorofluoromethane
 Concen: 11.527 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2506723
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.5 78.7

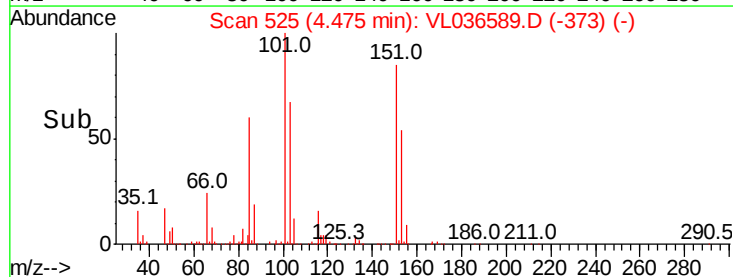
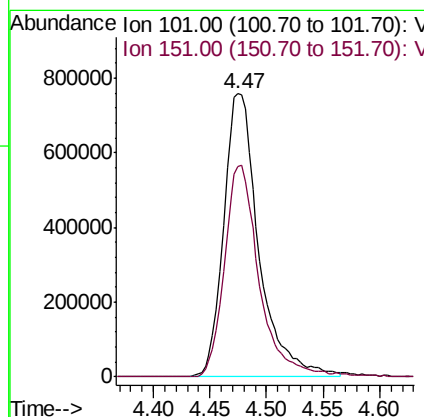
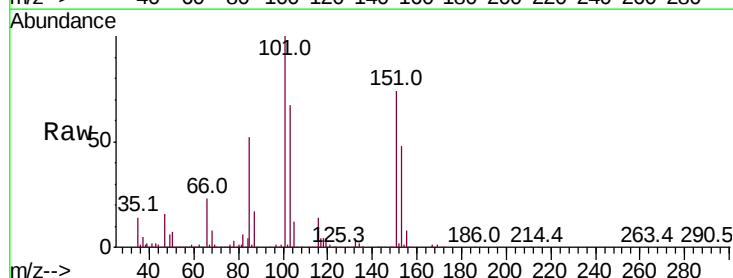
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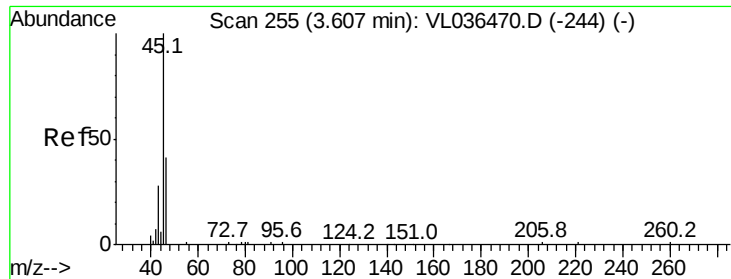
MMDadoda
 4/1/2021 11:00:01 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.774 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion:101 Resp: 1637034
 Ion Ratio Lower Upper
 101 100
 151 74.7 60.9 91.3





#13

Ethanol

Concen: 9.470 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 87878

Ion Ratio Lower Upper

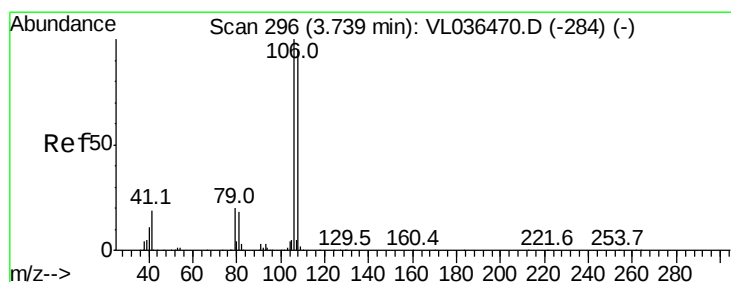
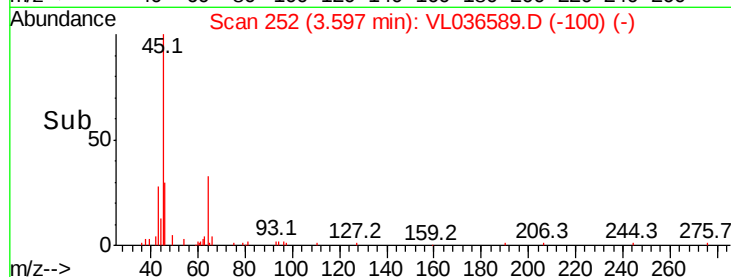
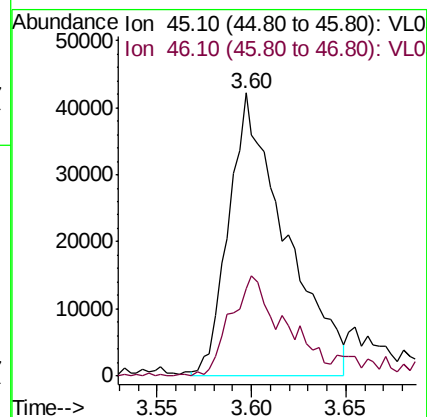
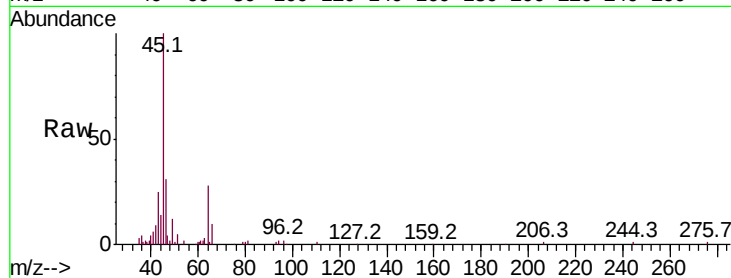
45 100

46 39.4 16.6 66.2

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#14

Bromoethene

Concen: 12.202 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

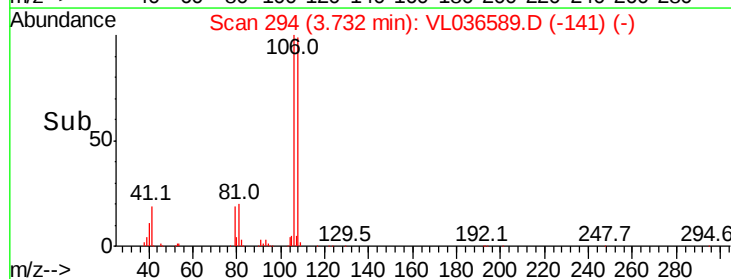
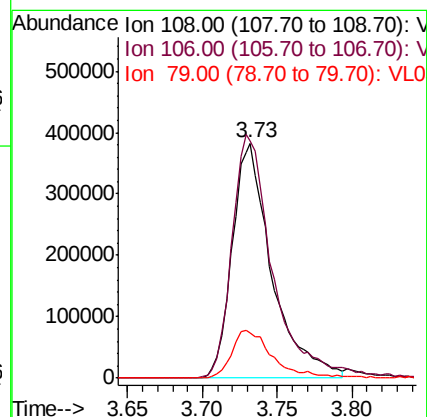
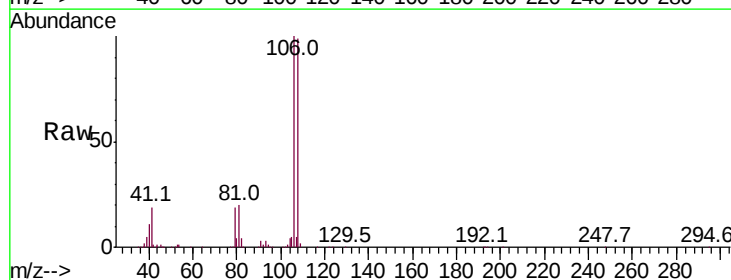
Tgt Ion: 108 Resp: 705294

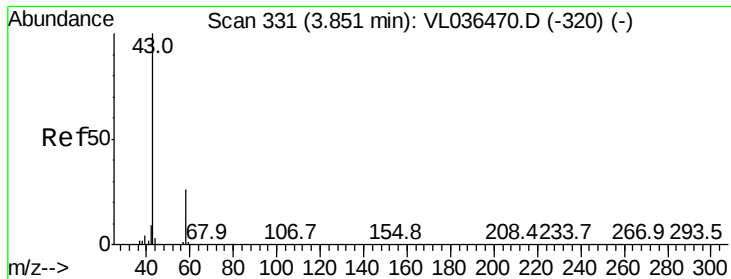
Ion Ratio Lower Upper

108 100

106 108.1 89.0 133.6

79 21.3 16.6 25.0





#15

Acetone

Concen: 10.857 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1398046

Ion Ratio Lower Upper

43 100

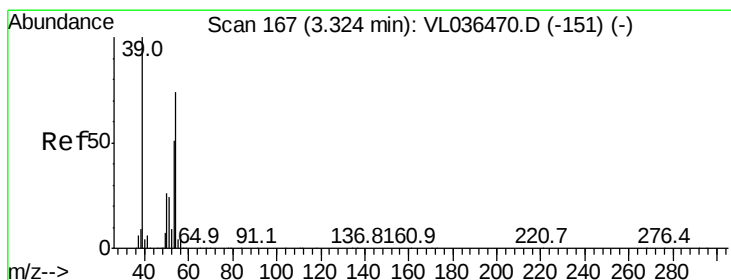
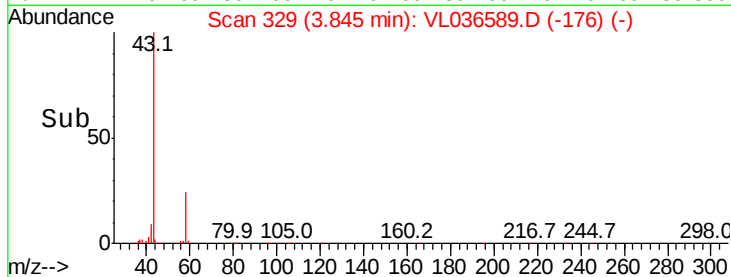
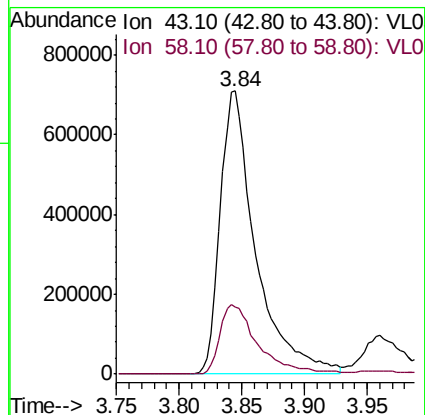
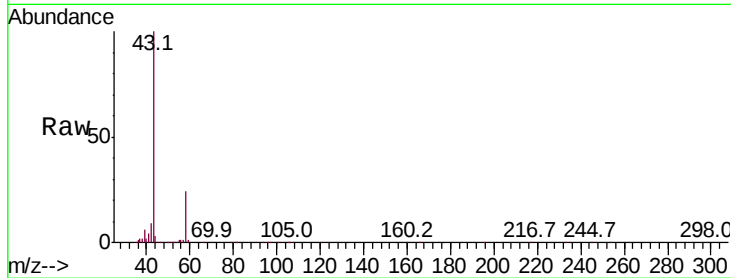
58 26.5 21.2 31.8

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4/1/2021 11:00:01 AM



#16

1,3-Butadiene

Concen: 11.804 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036589.D

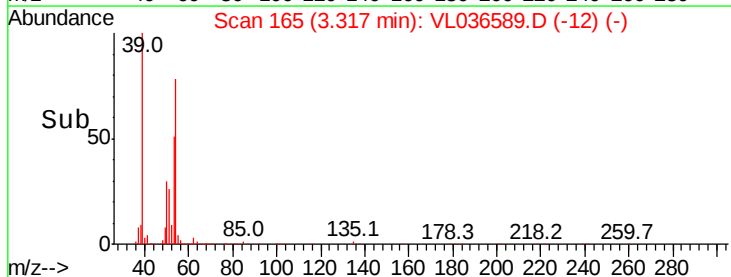
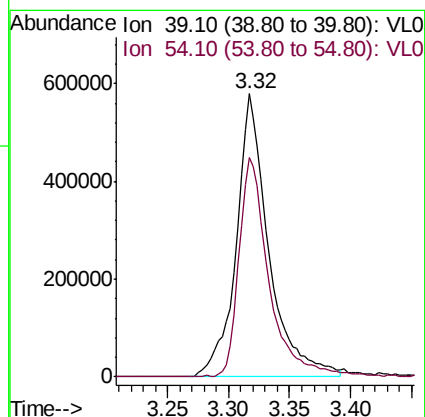
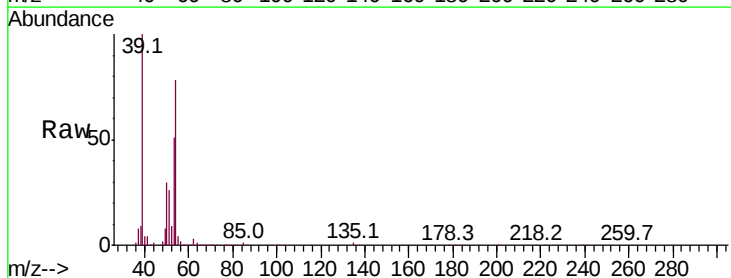
Acq: 31 Mar 2021 4:08

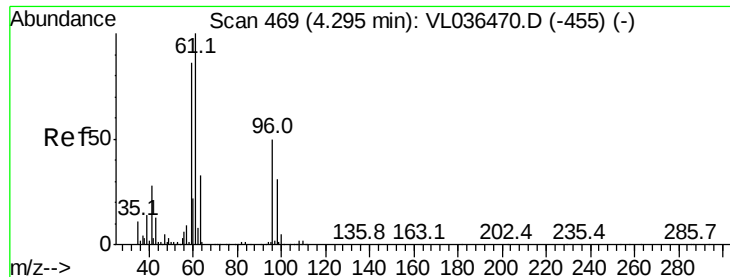
Tgt Ion: 39 Resp: 1058160

Ion Ratio Lower Upper

39 100

54 73.5 58.8 88.2





#17

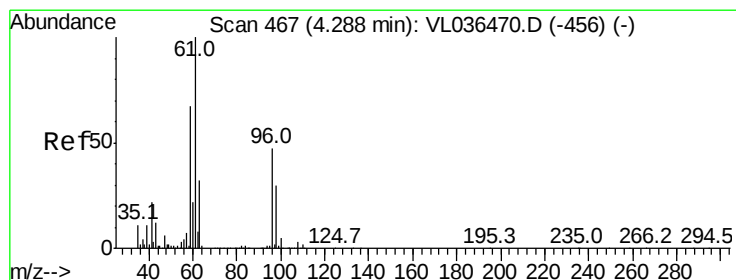
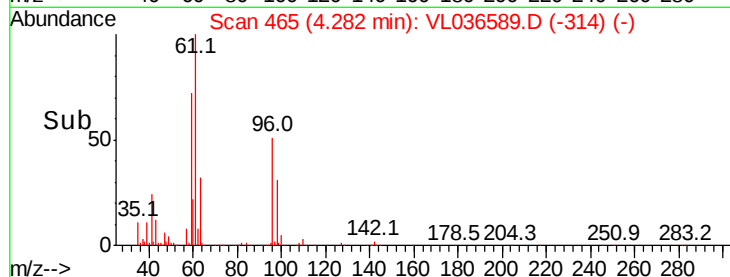
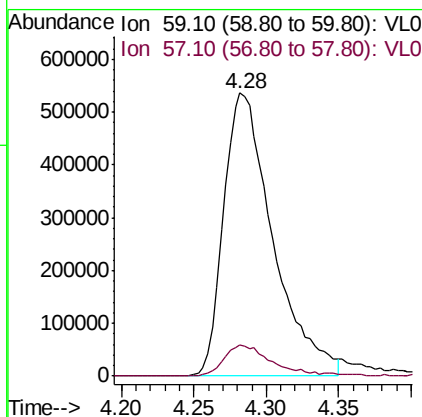
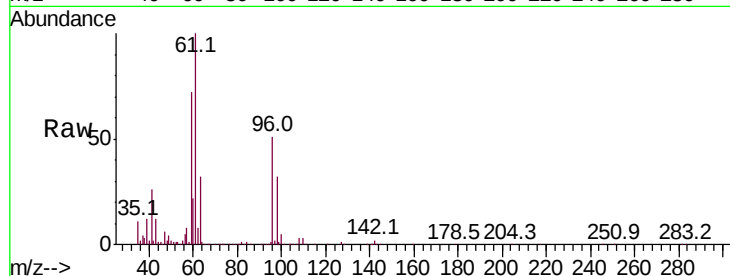
tert-Butyl alcohol
 Concen: 11.277 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1264034
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.6 12.8

Manual Integrations
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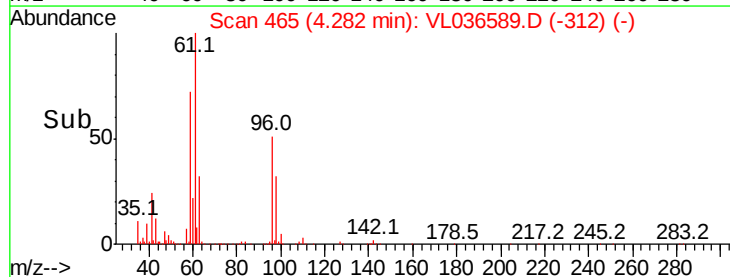
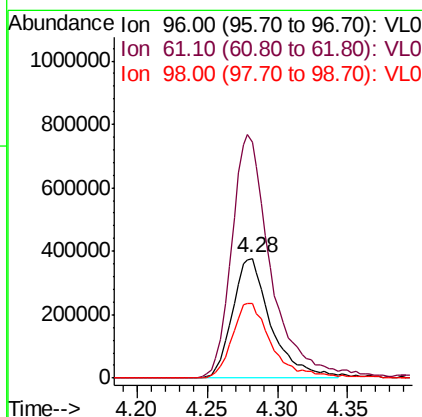
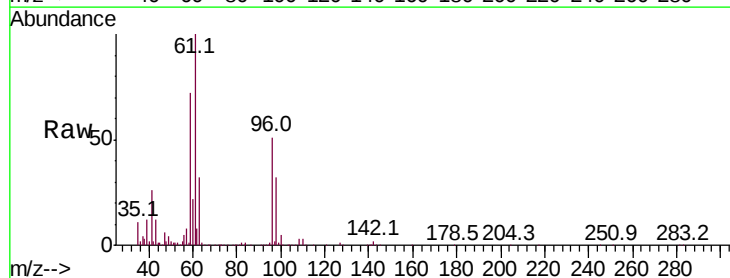
MMDadoda
 4/1/2021 11:00:01 AM

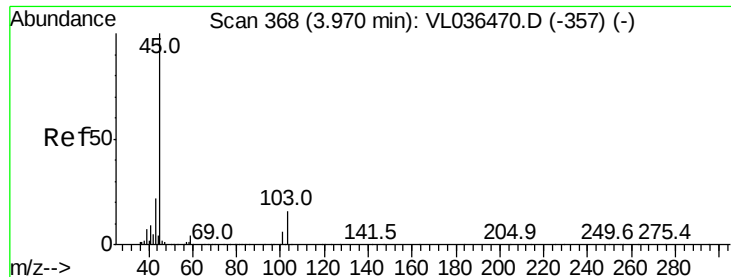


#18

1,1-Dichloroethene
 Concen: 11.683 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 96 Resp: 722517
 Ion Ratio Lower Upper
 96 100
 61 196.4 168.6 253.0
 98 61.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.080 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 713979

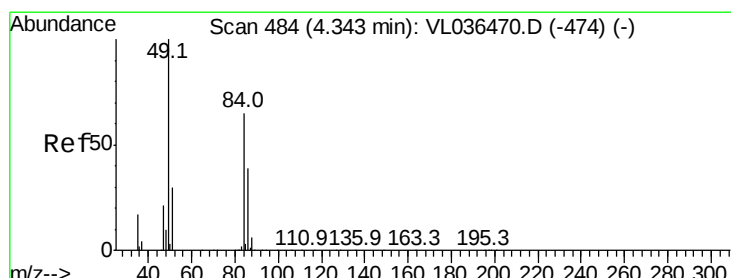
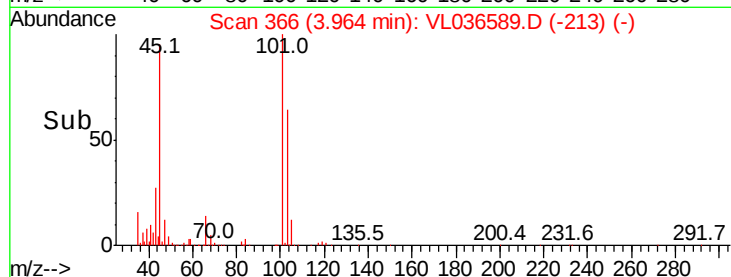
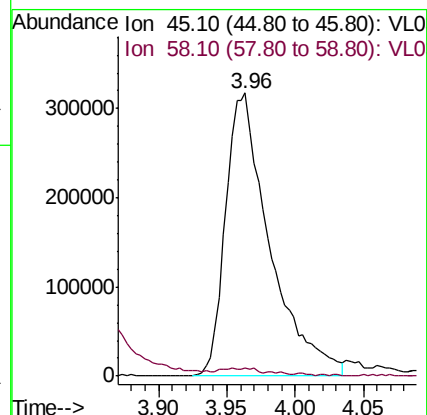
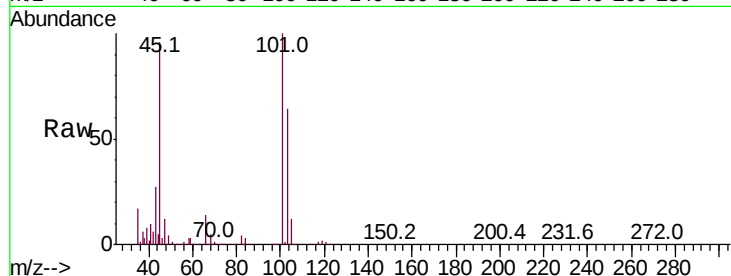
Ion Ratio Lower Upper

45 100

58 3.2 2.9 4.3

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MMDadoda
4/1/2021 11:00:01 AM



#20

Methylene Chloride

Concen: 10.188 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion: 84 Resp: 614219

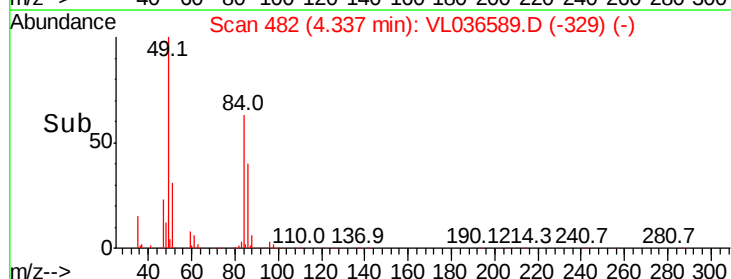
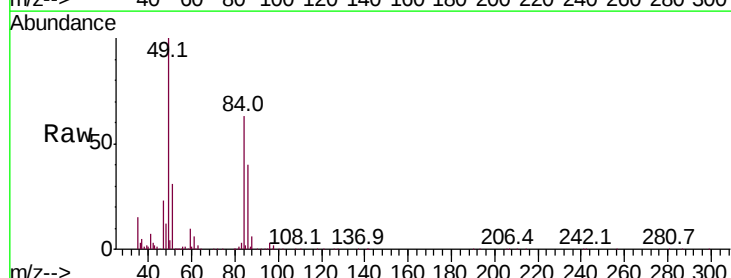
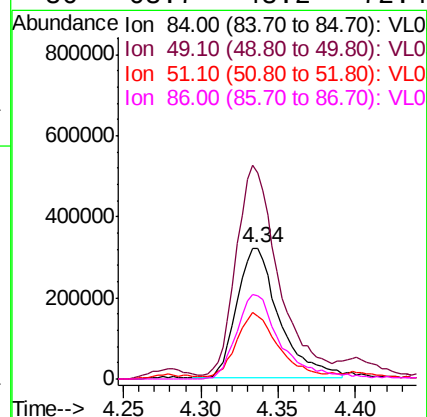
Ion Ratio Lower Upper

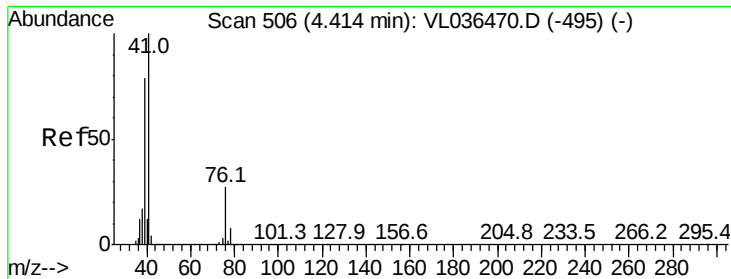
84 100

49 154.8 122.9 184.3

51 46.6 36.9 55.3

86 63.7 48.2 72.4





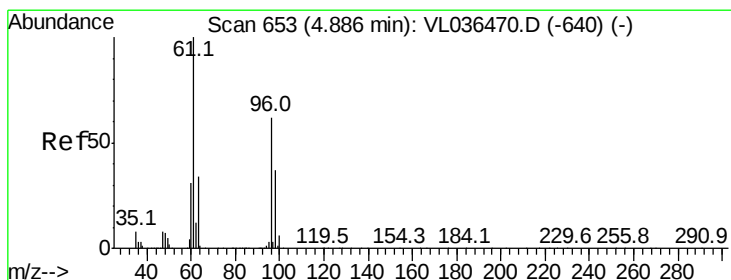
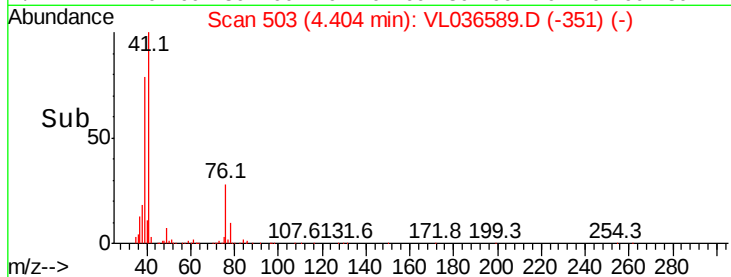
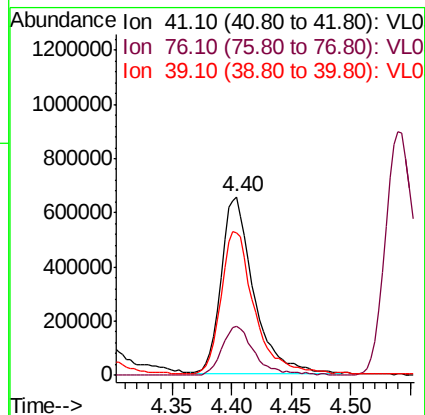
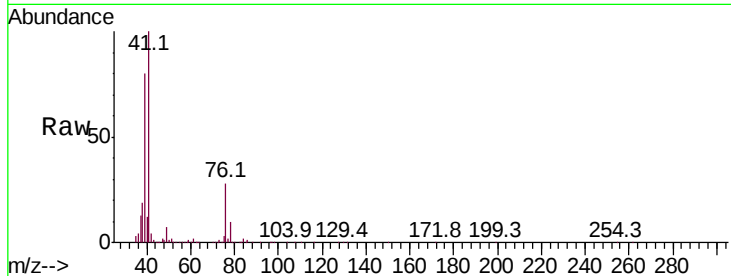
#21
Allvl Chloride
Concen: 12.080 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.0	22.9	34.3
39	83.4	67.3	100.9

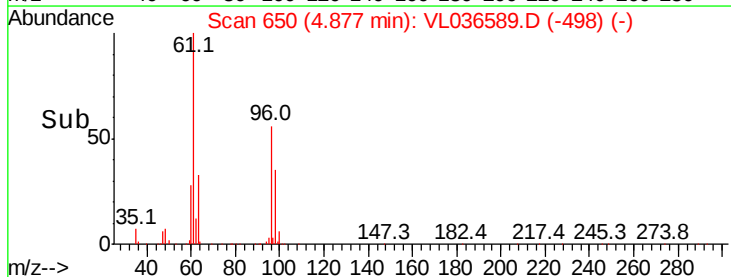
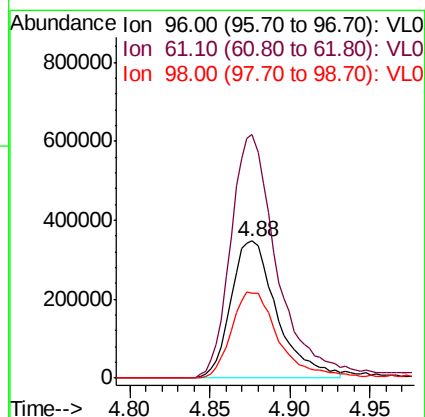
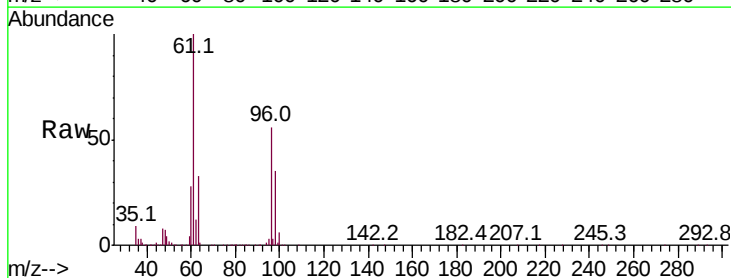
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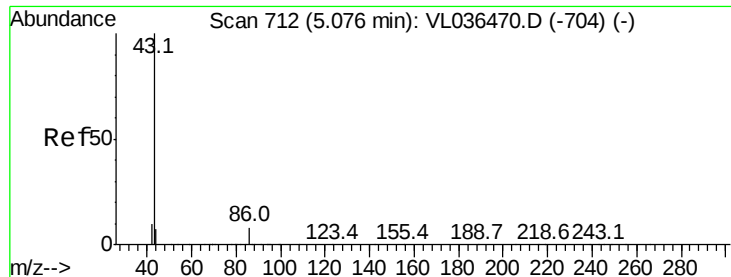
MMDadoda
4/1/2021 11:00:01 AM



#22
trans-1,2-Dichloroethene
Concen: 11.881 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

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: 11.829 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2605335

Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0

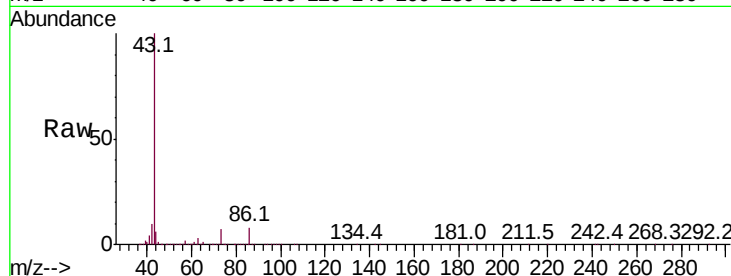
42 9.3 8.5 12.7

44 5.2 4.6 7.0

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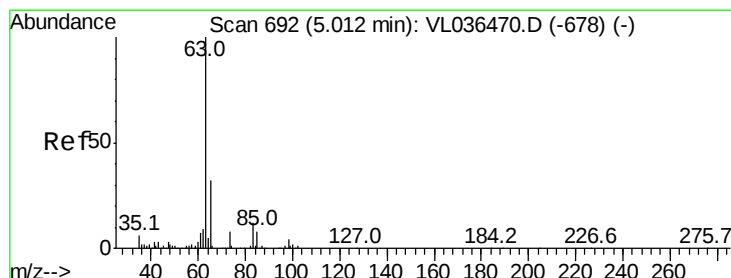
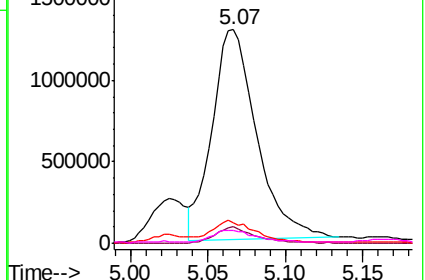
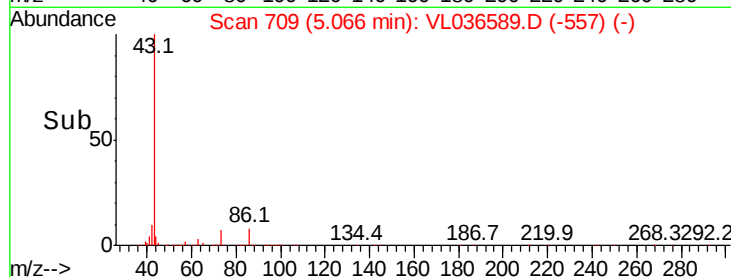


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.702 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

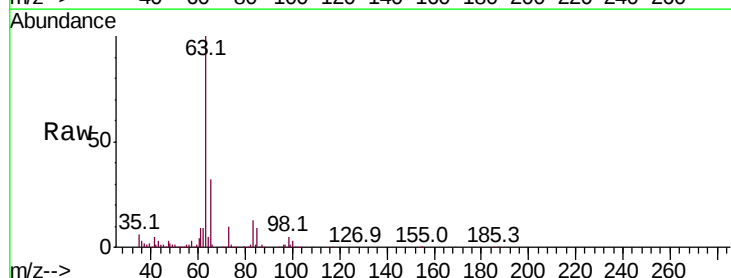
Tgt Ion: 63 Resp: 1878621

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.2

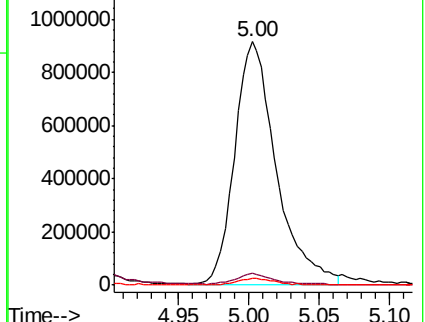
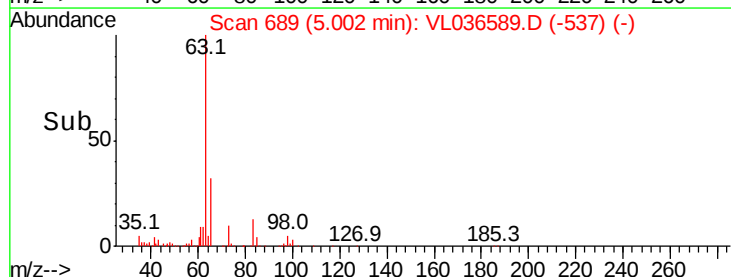
100 2.9 0.9 2.8#

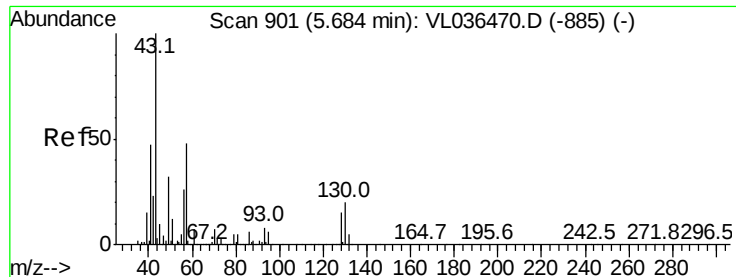


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





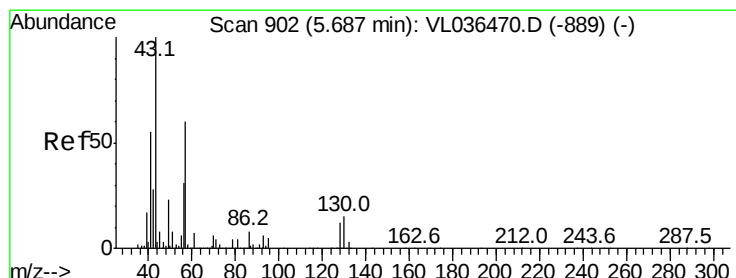
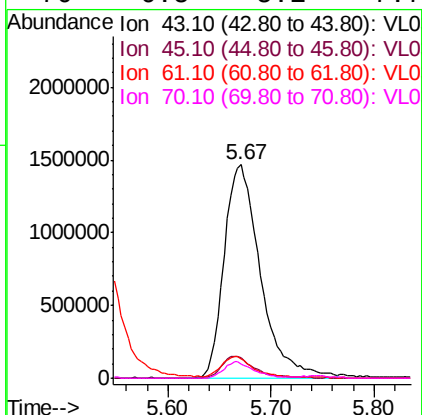
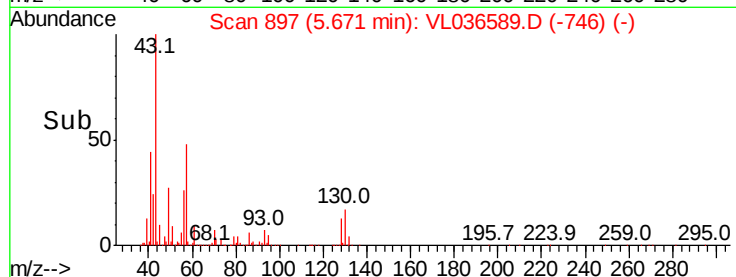
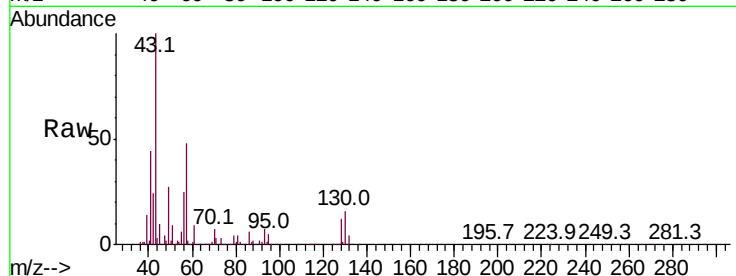
#25
Ethyl Acetate
Concen: 11.739 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	9.6	7.9	11.9	
61	9.7	7.4	11.2	
70	6.5	5.1	7.7	

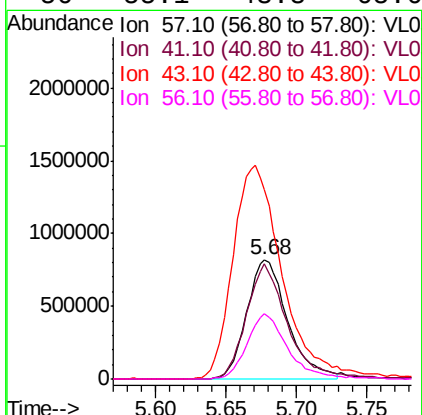
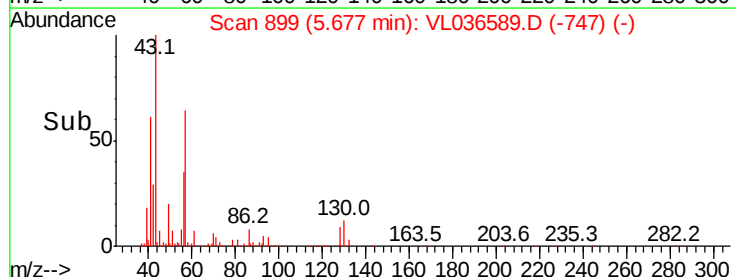
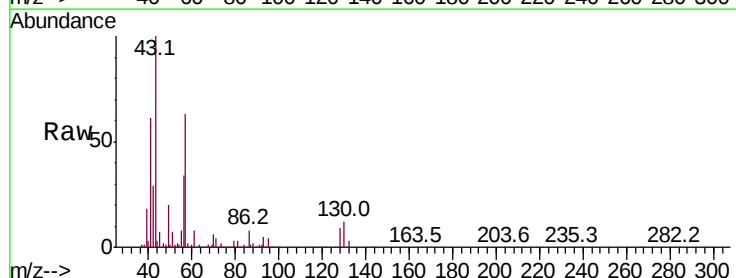
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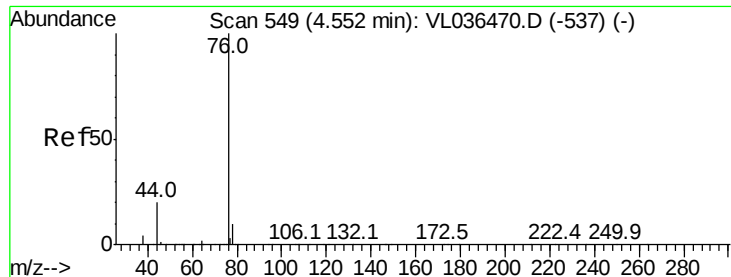
MMDadoda
4/1/2021 11:00:01 AM



#26
Hexane
Concen: 11.688 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion	57	Ratio	Lower	Upper
57	100			
41	98.2	77.2	115.8	
43	218.7	173.8	260.6	
56	55.1	43.8	65.6	





#27

Carbon Disulfide

Concen: 12.951 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1812418

Ion Ratio Lower Upper

76 100

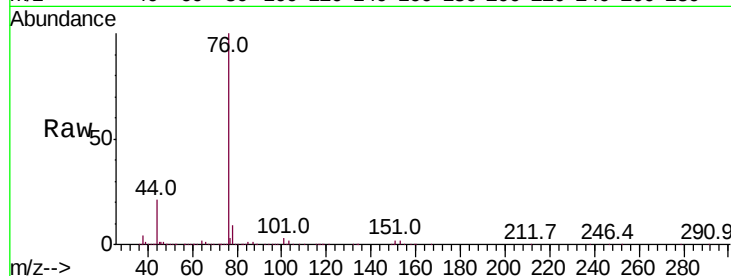
44 20.6 17.5 26.3

78 9.4 8.6 13.0

Manual Integrations
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MMDadoda

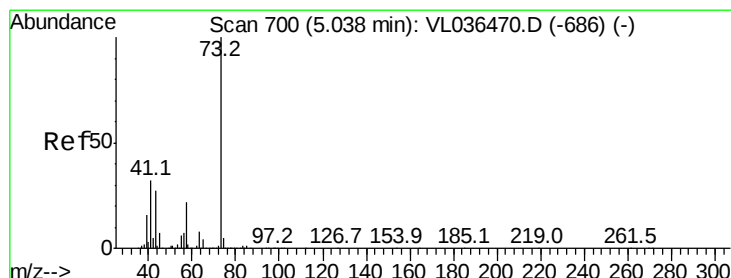
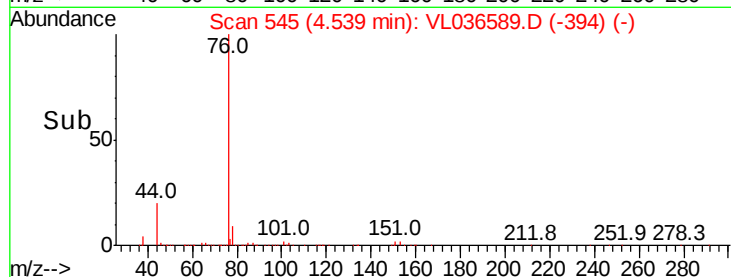
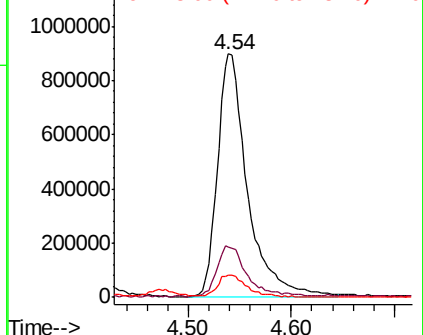
4/1/2021 11:00:01 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.106 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036589.D

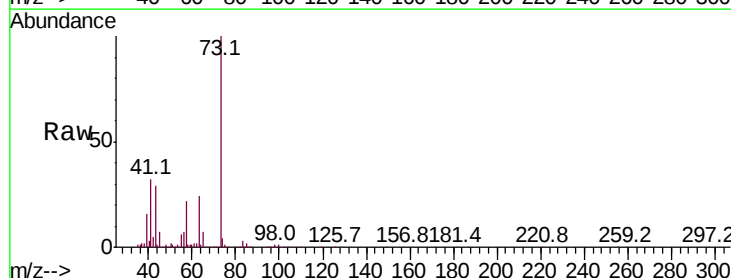
Acq: 31 Mar 2021 4:08

Tgt Ion: 73 Resp: 2028133

Ion Ratio Lower Upper

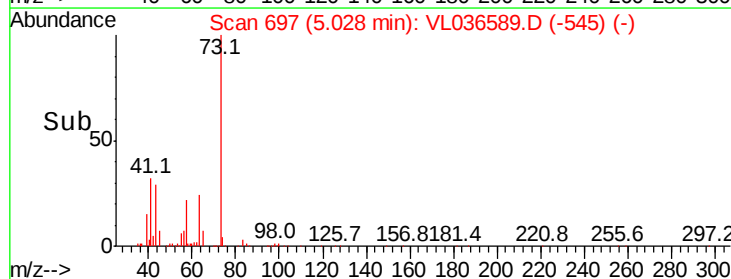
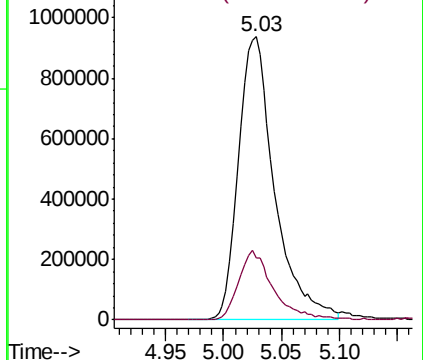
73 100

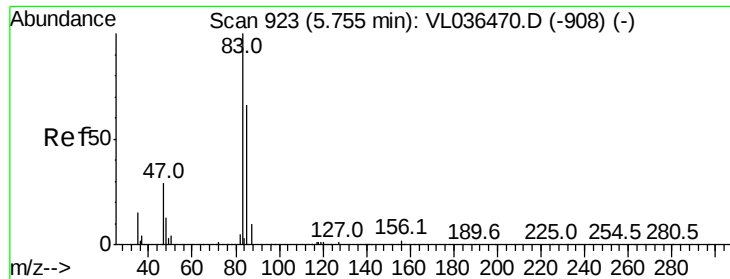
57 23.6 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





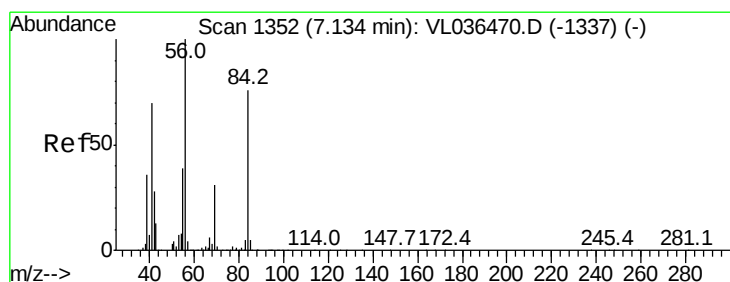
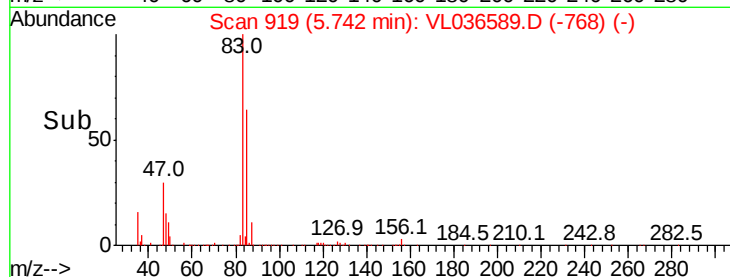
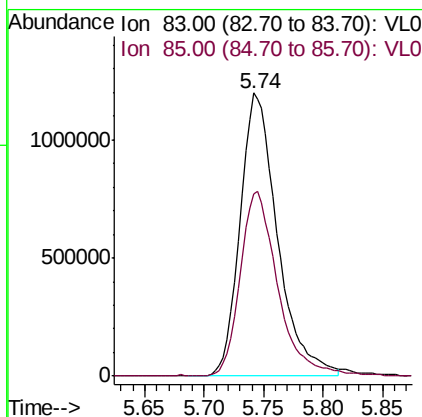
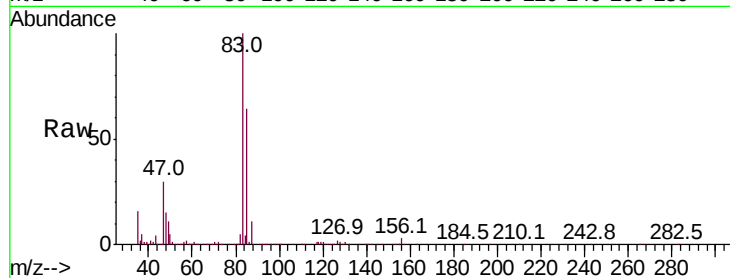
#29
Chloroform
Concen: 11.491 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2610600
Ion Ratio Lower Upper
83 100
85 64.2 52.6 78.8

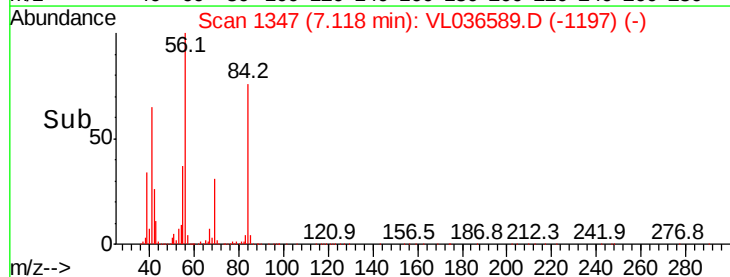
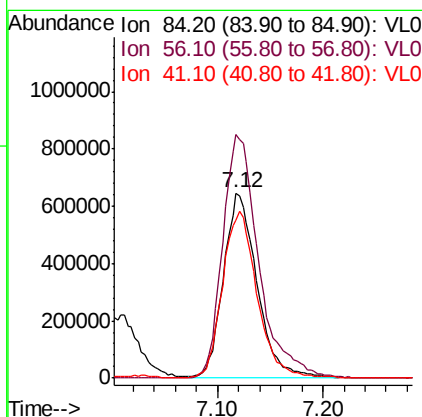
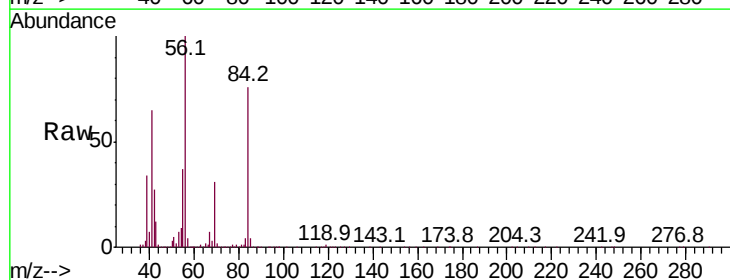
Manual Integrations
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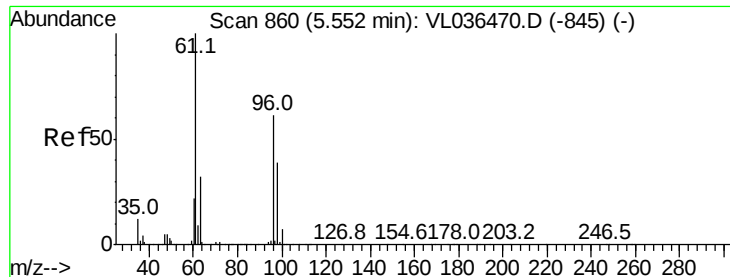
MMDadoda
4/1/2021 11:00:01 AM



#30
Cyclohexane
Concen: 12.255 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 84 Resp: 1411964
Ion Ratio Lower Upper
84 100
56 143.4 114.6 171.8
41 93.9 75.3 112.9





#31

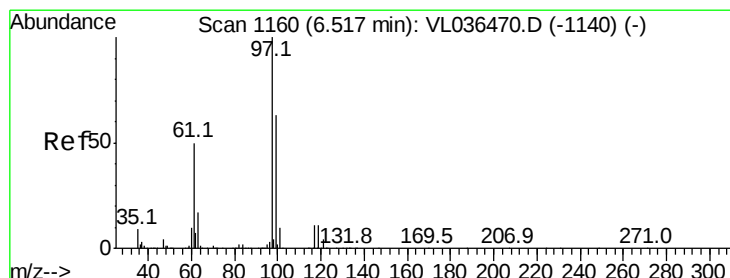
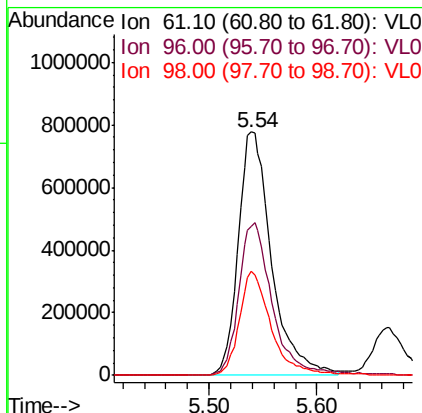
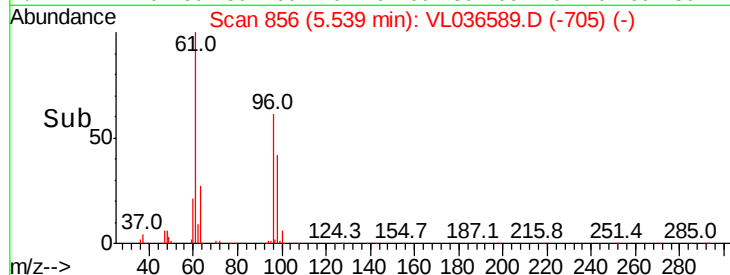
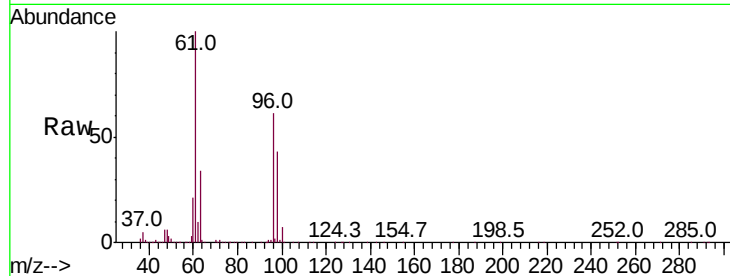
cis-1,2-Dichloroethene
Concen: 12.166 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 61 Resp: 1671636
Ion Ratio Lower Upper
61 100
96 61.2 48.7 73.1
98 42.6 31.4 47.0

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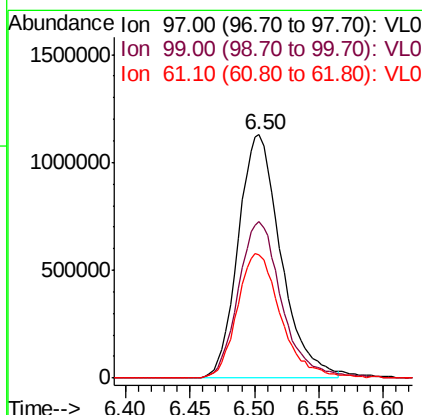
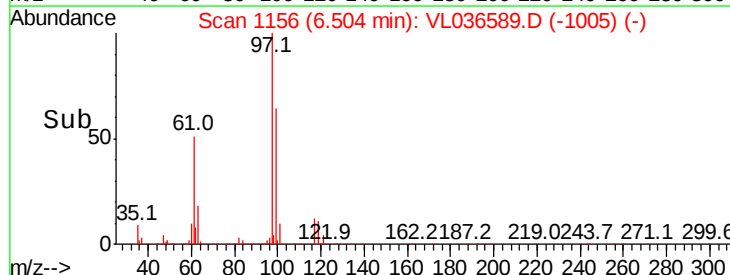
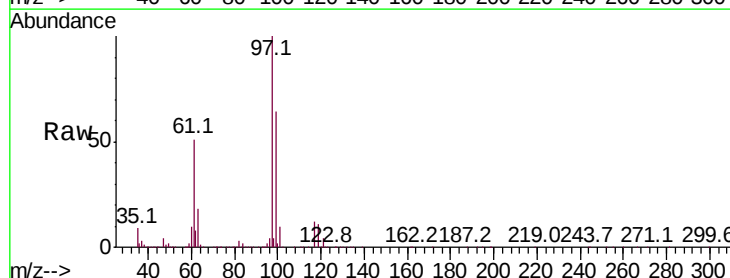
MMDadoda
4/1/2021 11:00:01 AM

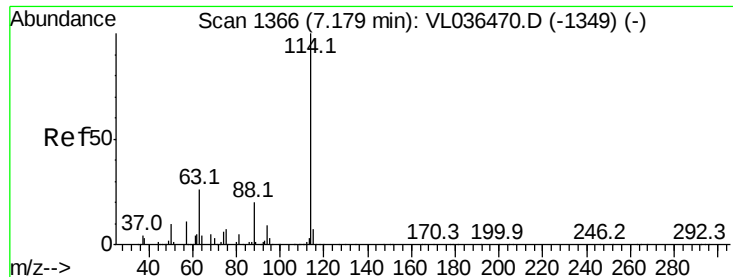


#32

1,1,1-Trichloroethane
Concen: 11.387 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 97 Resp: 2607180
Ion Ratio Lower Upper
97 100
99 65.6 51.4 77.0
61 52.4 40.6 60.8





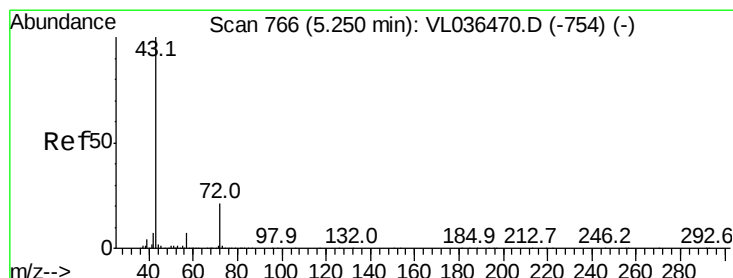
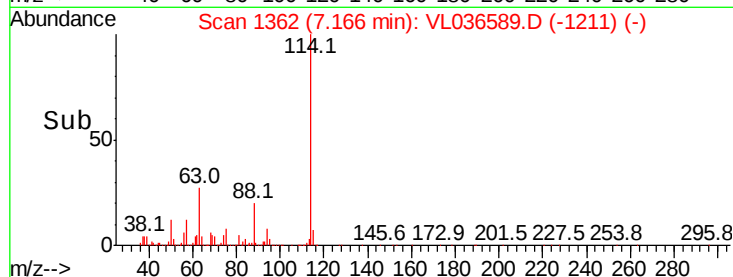
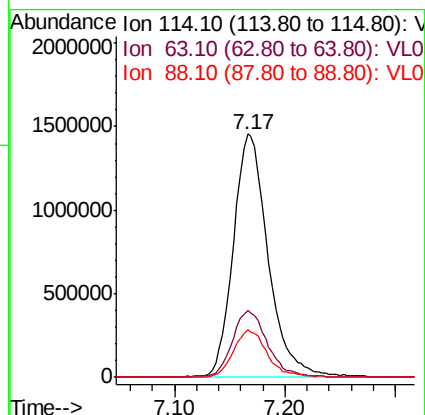
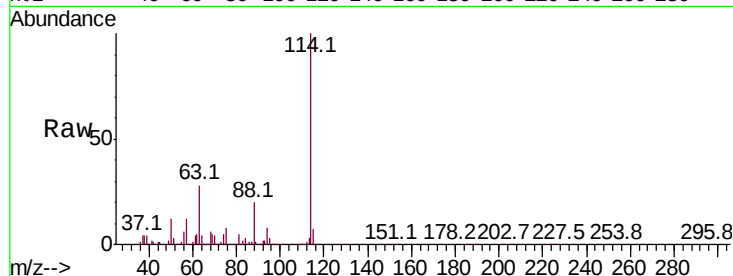
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	19.2	15.4	23.0

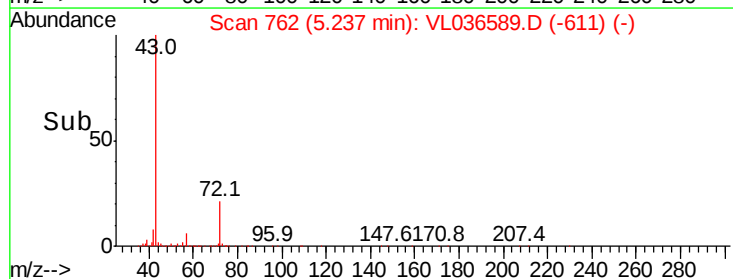
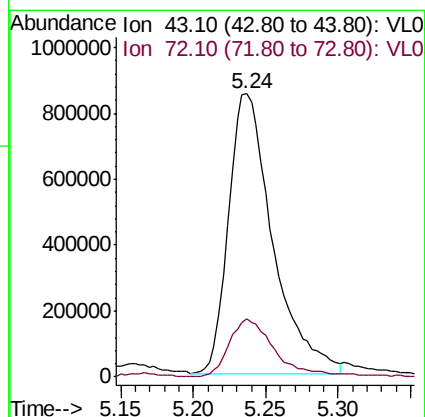
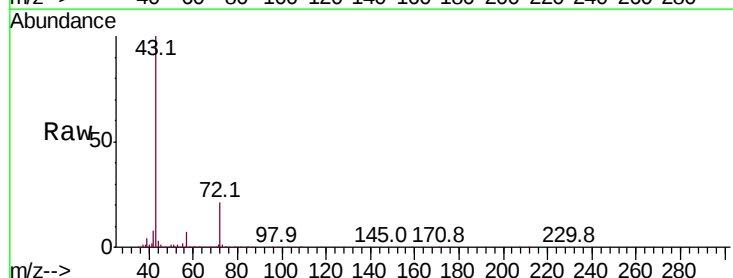
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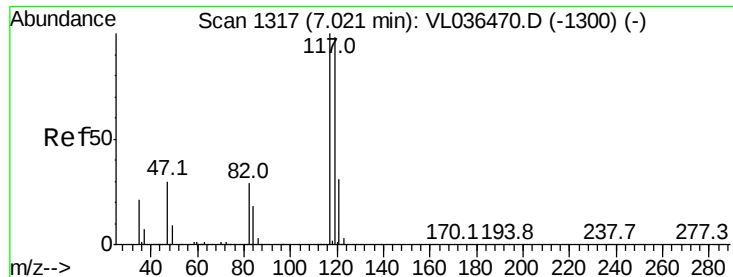
MMDadoda
 4/1/2021 11:00:01 AM



#34
 2-Butanone
 Concen: 11.532 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.0	25.6





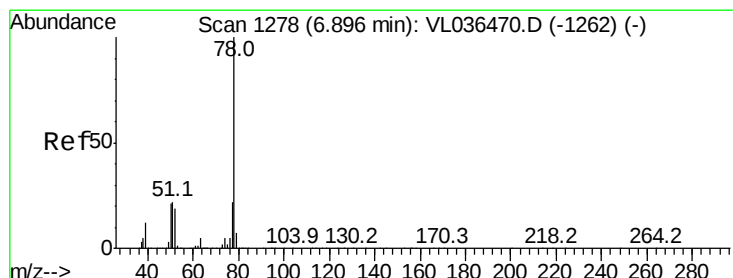
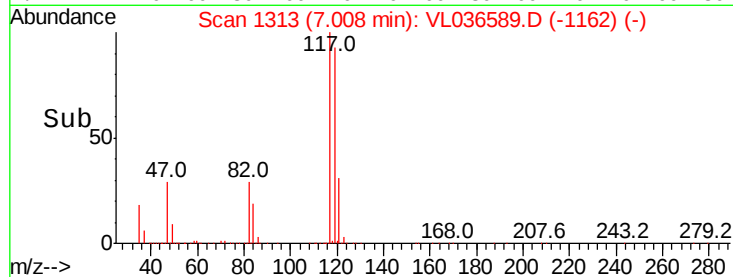
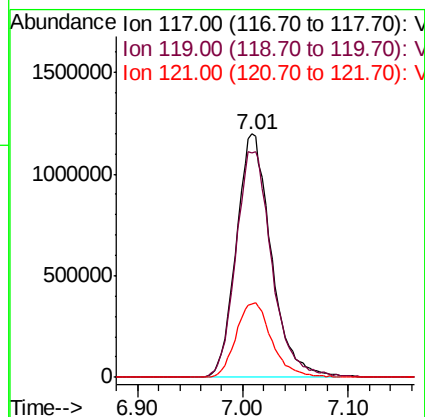
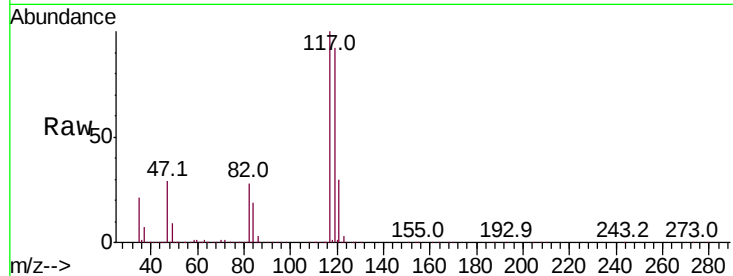
#35
Carbon Tetrachloride
Concen: 11.239 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	78.2	117.2
121	30.4	24.5	36.7

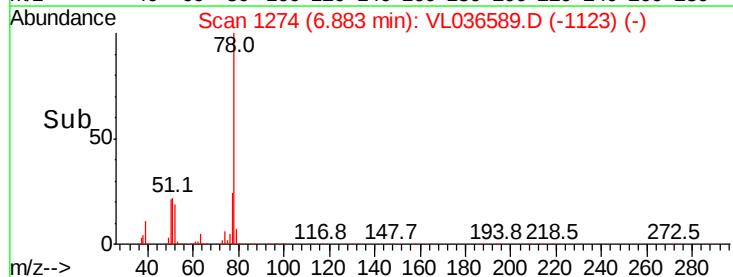
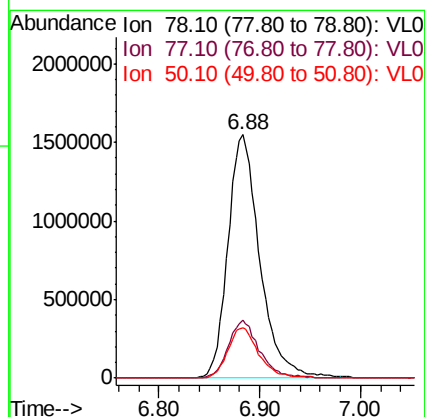
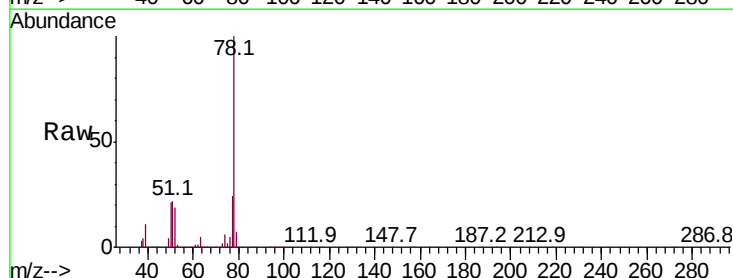
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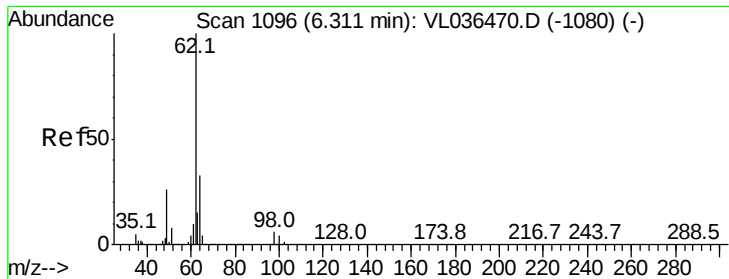
MMDadoda
4/1/2021 11:00:01 AM



#36
Benzene
Concen: 11.605 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.0	27.0
50	20.5	16.5	24.7





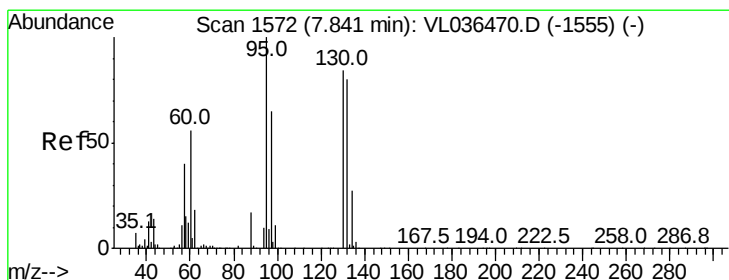
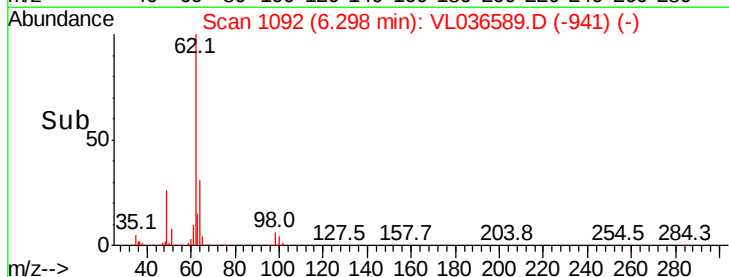
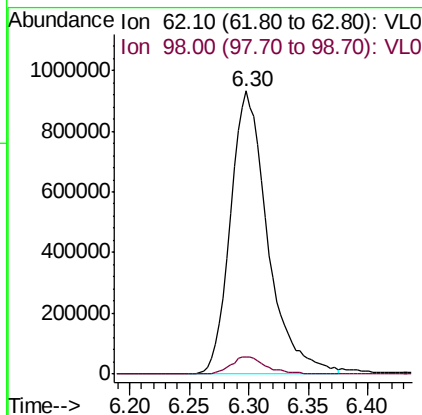
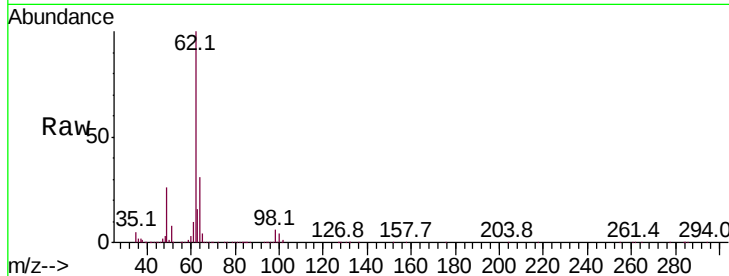
#37
 1,2-Dichloroethane
 Concen: 11.690 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 2024233
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3

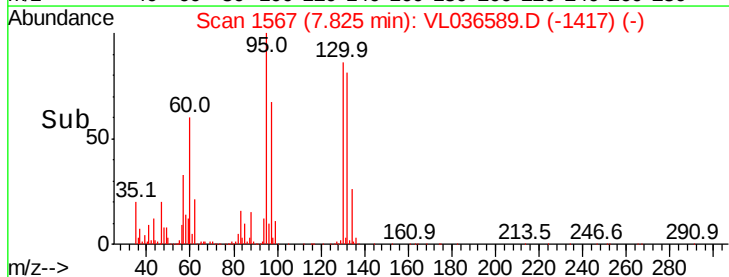
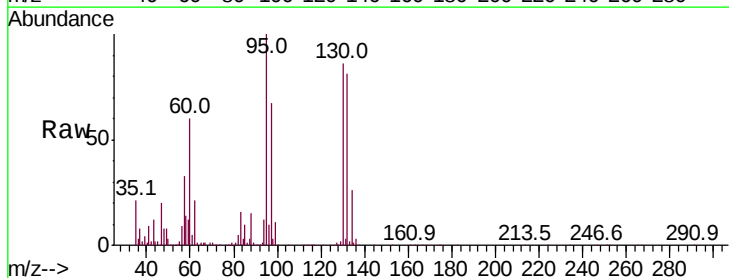
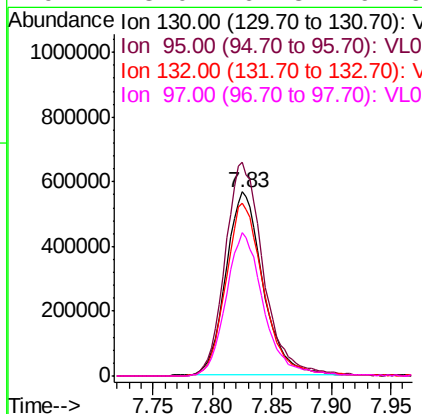
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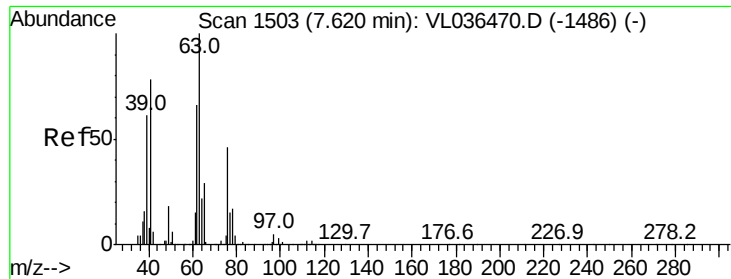
MMDadoda
 4/1/2021 11:00:01 AM



#38
 Trichloroethene
 Concen: 10.616 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion:130 Resp: 1215383
 Ion Ratio Lower Upper
 130 100
 95 116.5 95.7 143.5
 132 93.8 76.2 114.4
 97 78.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 11.391 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1359445

Ion Ratio Lower Upper

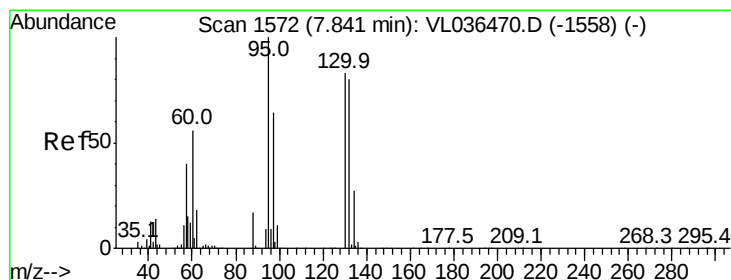
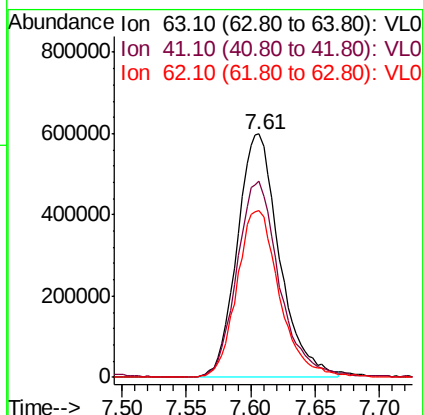
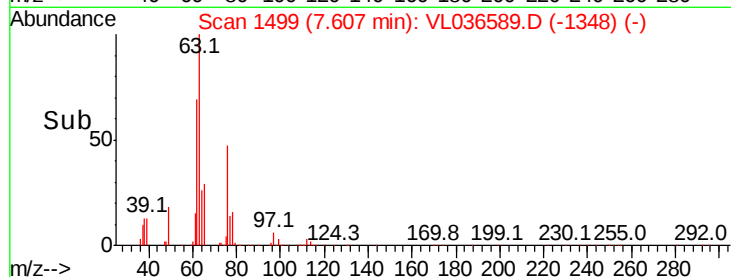
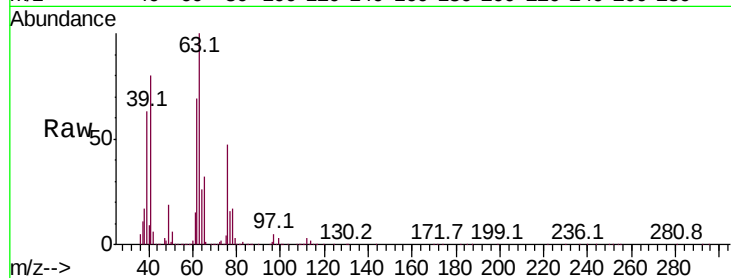
63 100

41 80.3 62.4 93.6

62 68.6 52.8 79.2

Manual Integrations
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4/1/2021 11:00:01 AM



#40

1,4-Dioxane

Concen: 9.513 ppbv m

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion: 88 Resp: 264226

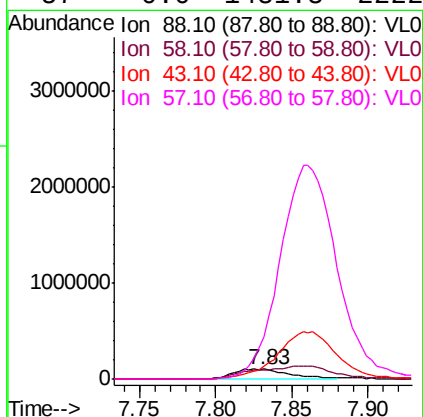
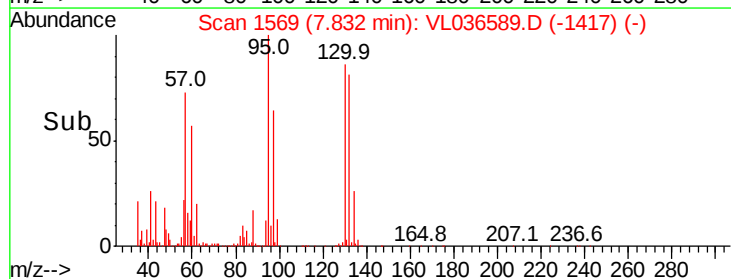
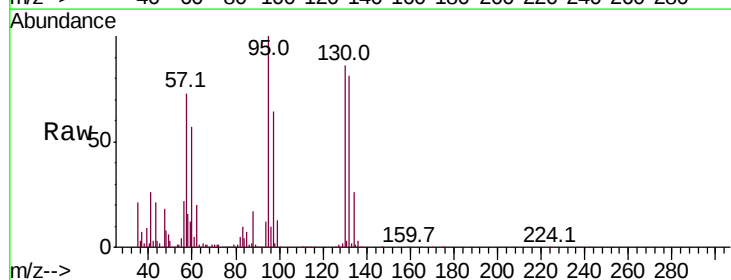
Ion Ratio Lower Upper

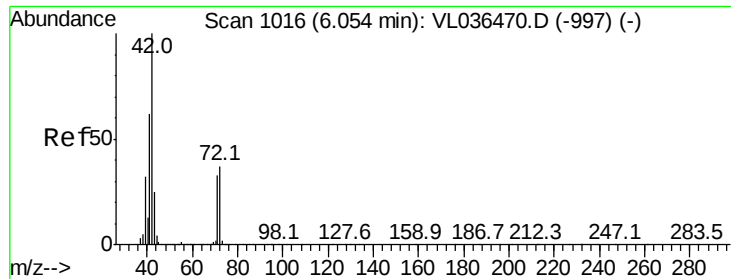
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





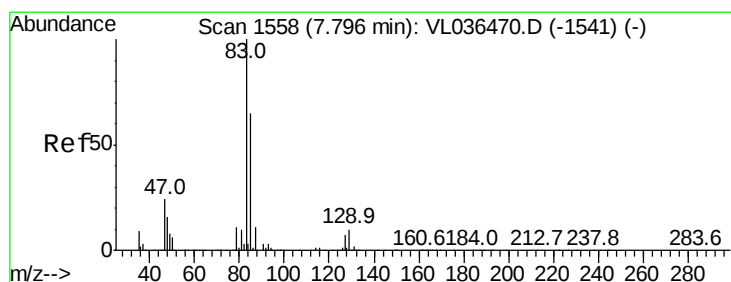
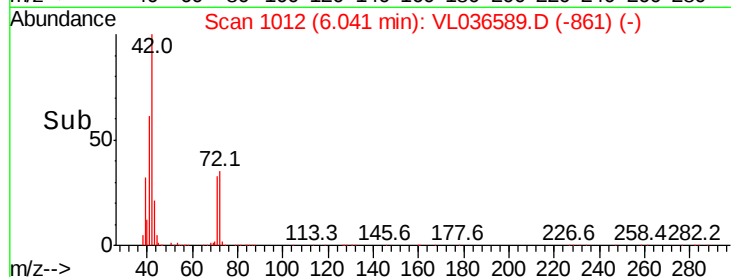
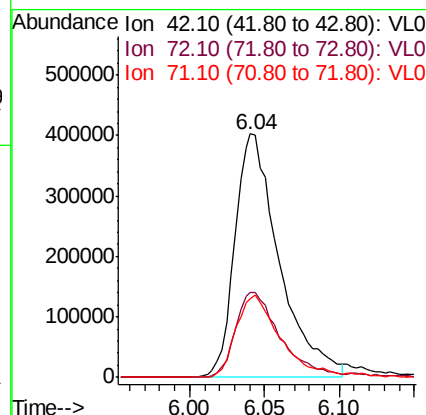
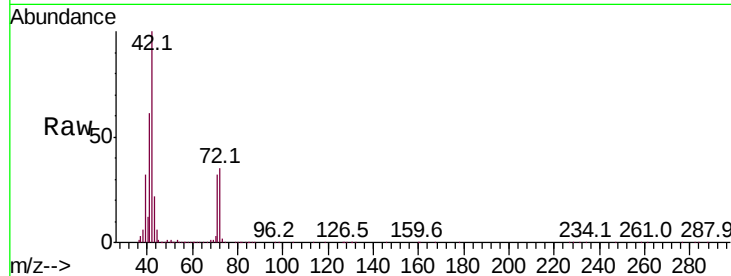
#41
Tetrahydrofuran
Concen: 11.547 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	27.6	41.4
71	35.4	27.0	40.4

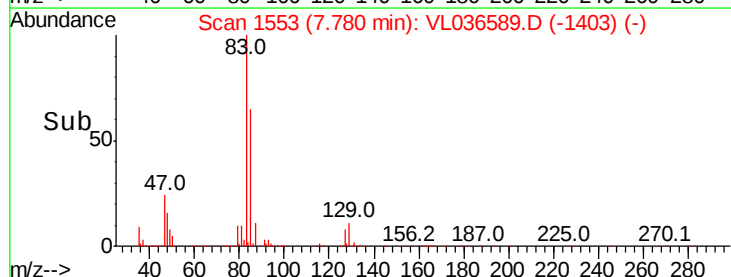
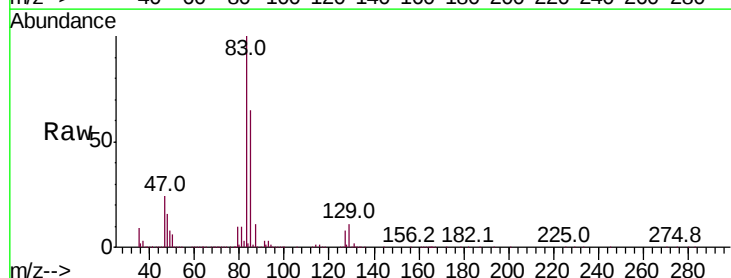
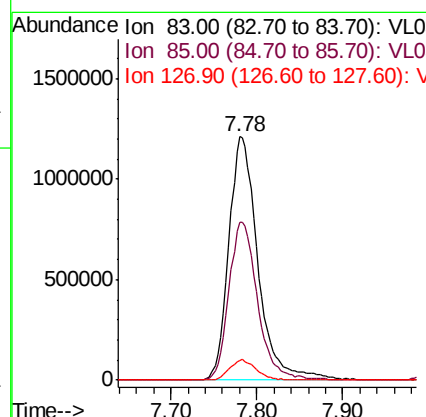
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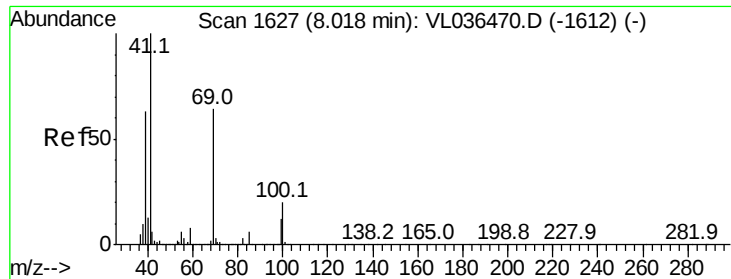
MMDadoda
4/1/2021 11:00:01 AM



#42
Bromodichloromethane
Concen: 12.117 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6
127	8.1	5.8	8.8





#43

Methvl Methacrilate

Concen: 12.652 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

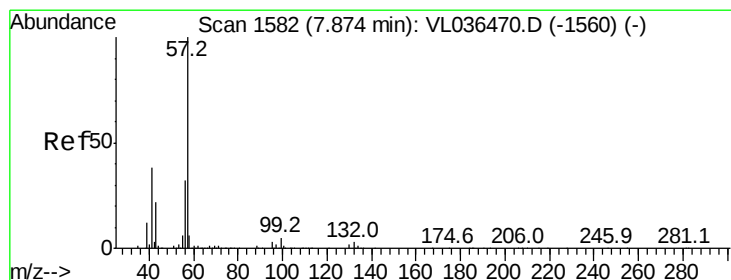
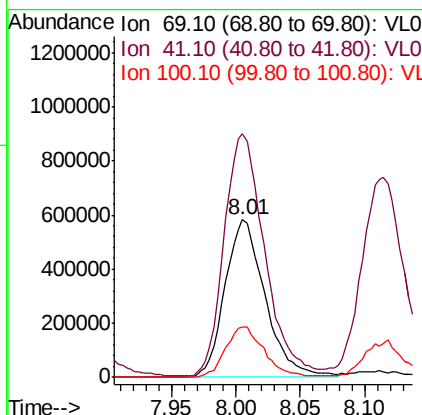
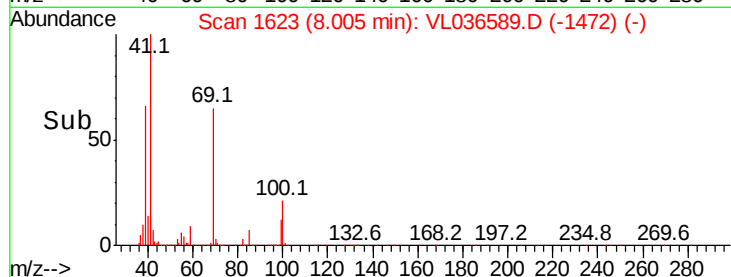
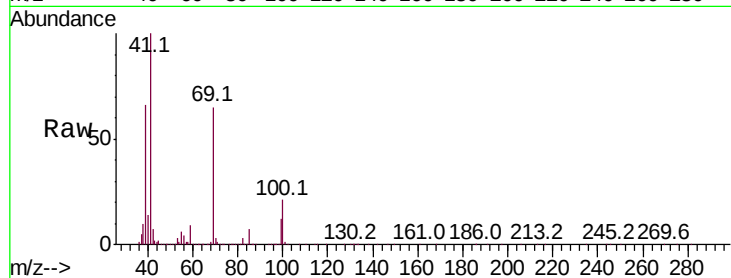
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1249919

Ion	Ratio	Lower	Upper
69	100		
41	157.7	126.8	190.2
100	31.6	24.9	37.3

Manual Integrations
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MMDadoda
4/1/2021 11:00:01 AM



#44

2,2,4-Trimethylpentane

Concen: 11.272 ppbv

RT: 7.86 min Scan# 1577

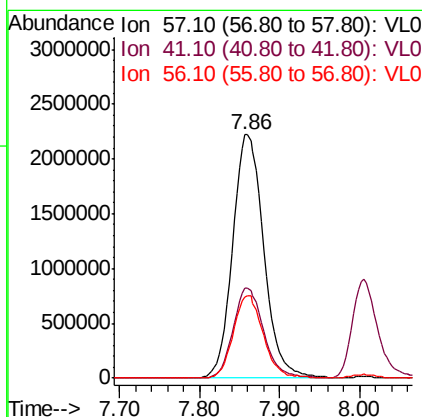
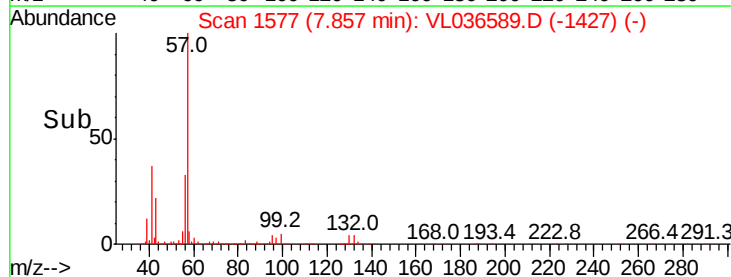
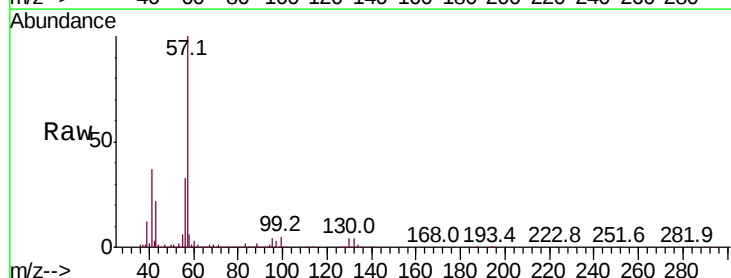
Delta R.T. -0.02 min

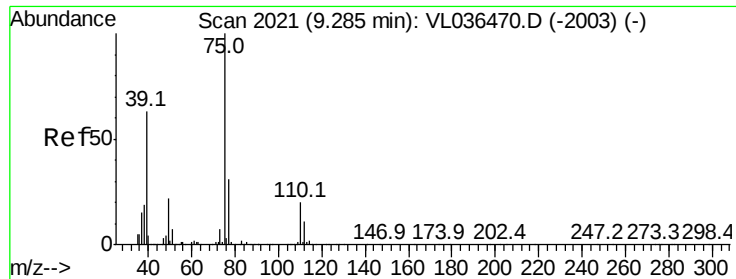
Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion: 57 Resp: 5836155

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.8	43.2
56	32.7	26.1	39.1





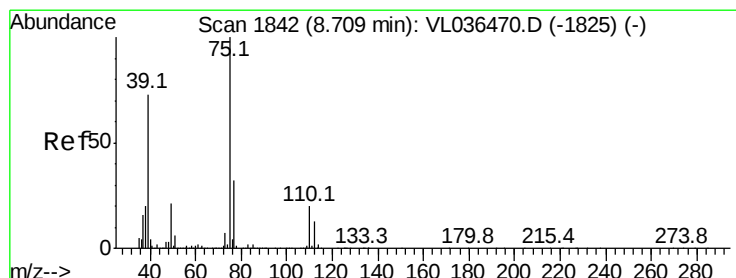
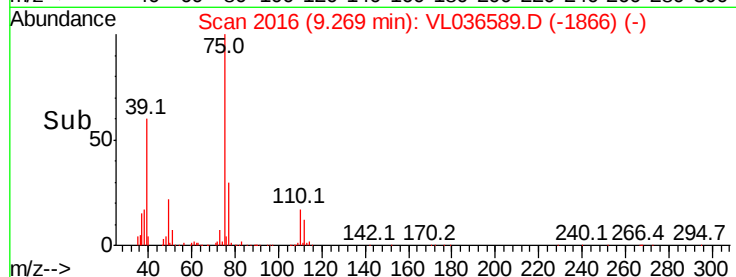
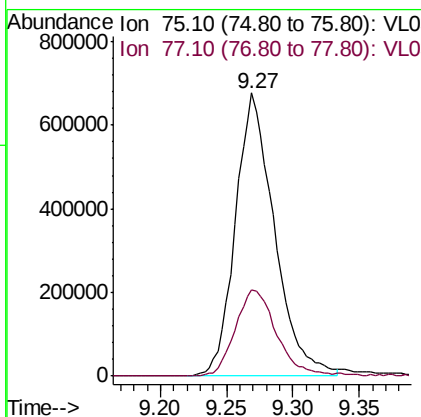
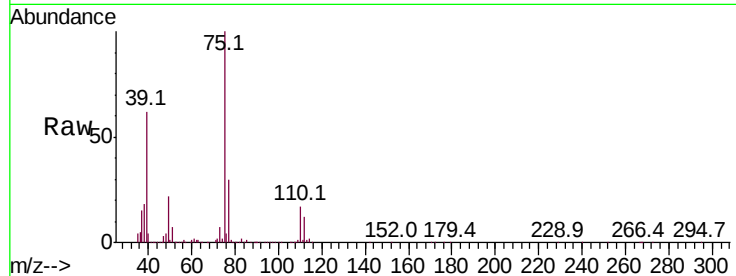
#45
t-1,3-Dichloropropene
Concen: 12.244 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1381220
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7

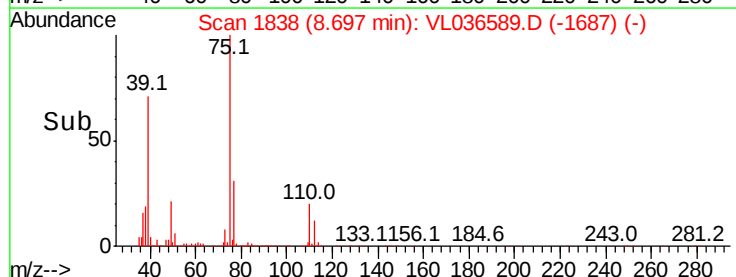
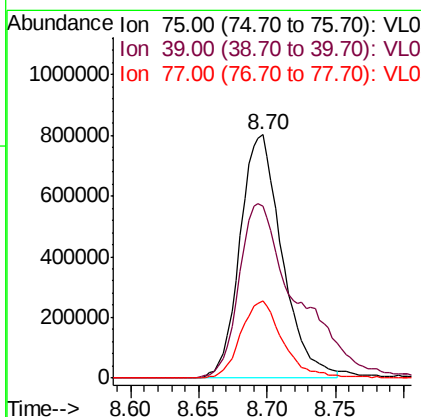
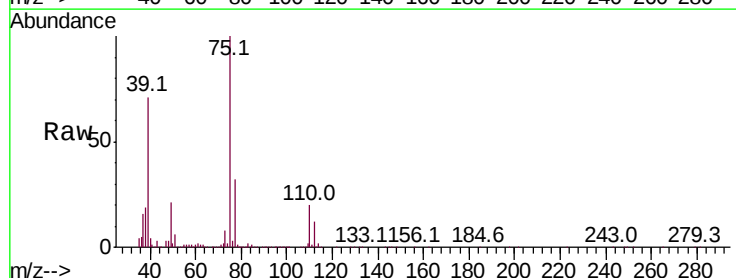
Manual Integrations
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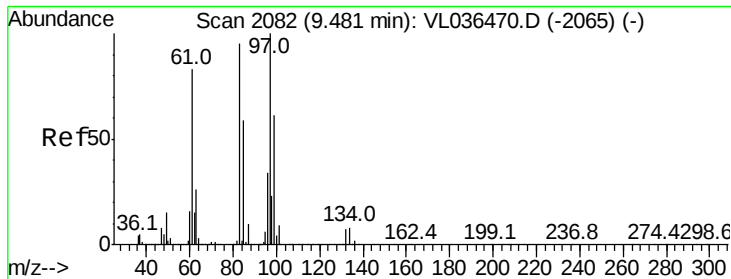
MMDadoda
4/1/2021 11:00:01 AM



#46
cis-1,3-Dichloropropene
Concen: 11.916 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 75 Resp: 1718209
Ion Ratio Lower Upper
75 100
39 70.6 58.2 87.2
77 31.5 25.2 37.8





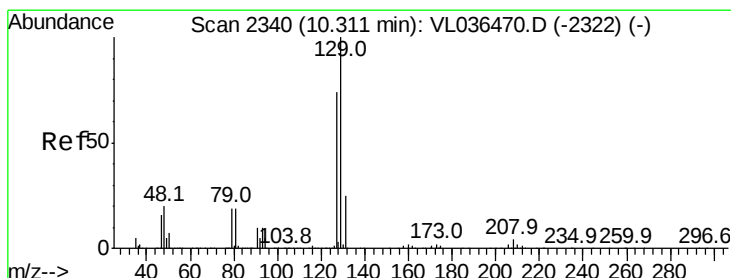
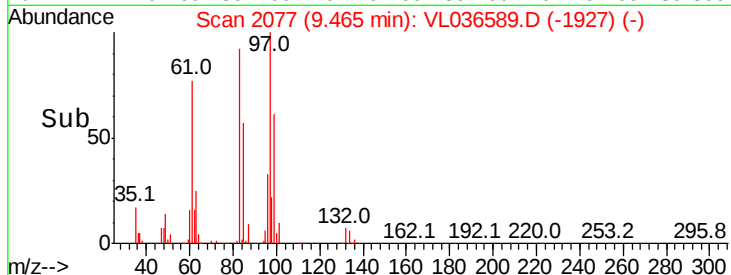
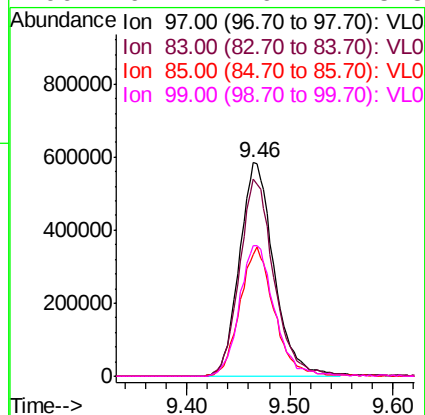
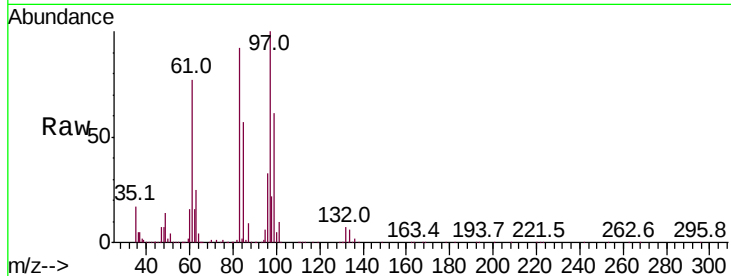
#47
1,1,2-Trichloroethane
Concen: 11.252 ppbv
RT: 9.46 min Scan# 2077
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.3	75.8	113.8
85	57.0	47.1	70.7
99	61.4	49.2	73.8

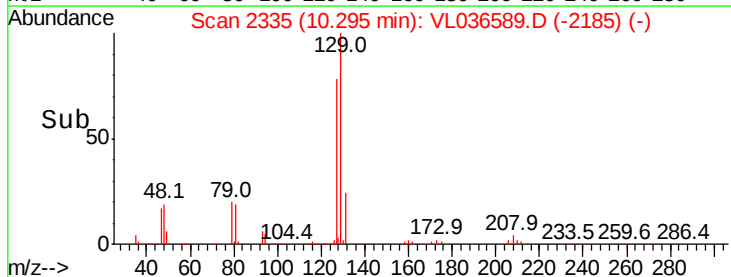
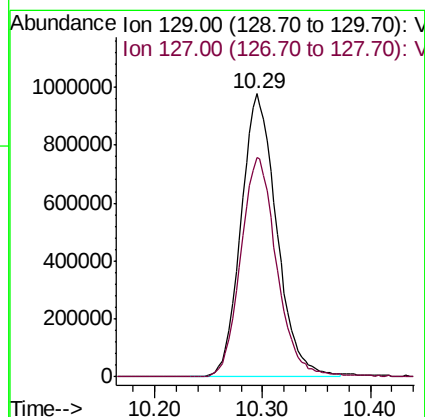
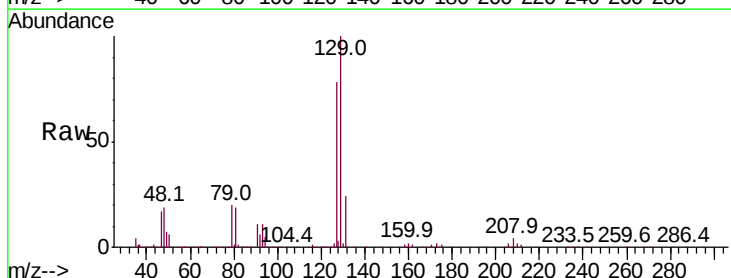
Manual Integrations
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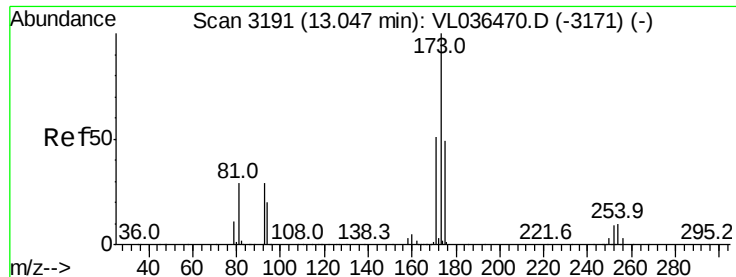
MMDadoda
4/1/2021 11:00:01 AM



#48
Dibromochloromethane
Concen: 12.155 ppbv
RT: 10.29 min Scan# 2335
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 11.748 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1744146

Ion Ratio Lower Upper

173 100

175 49.8 39.6 59.4

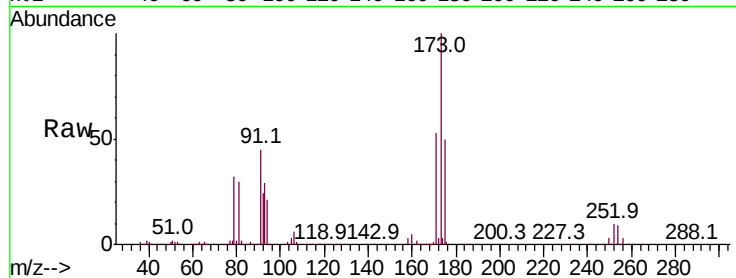
171 52.2 41.4 62.0

Manual Integrations

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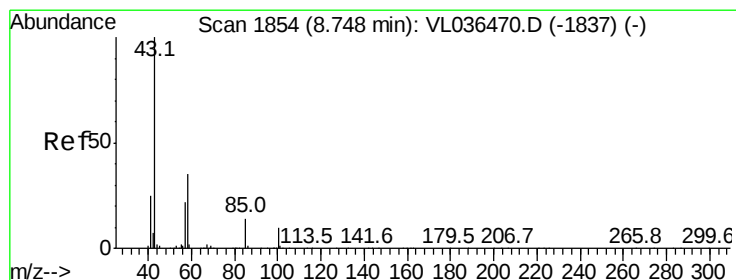
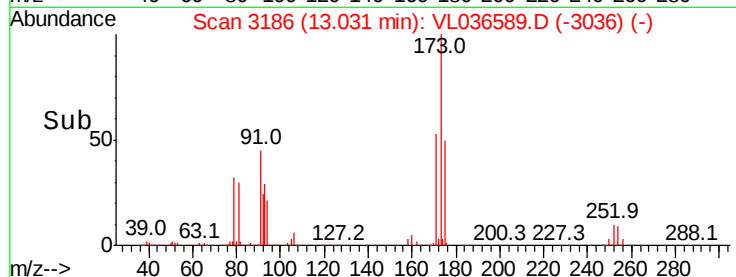
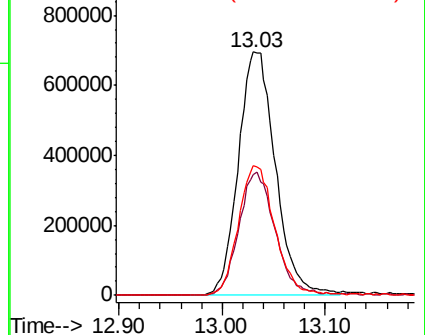
4/1/2021 11:00:01 AM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.312 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036589.D

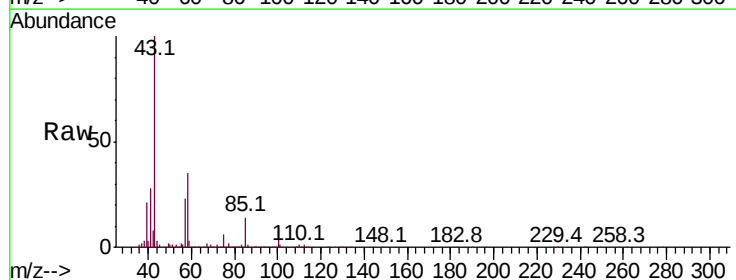
Acq: 31 Mar 2021 4:08

Tgt Ion: 43 Resp: 2773919

Ion Ratio Lower Upper

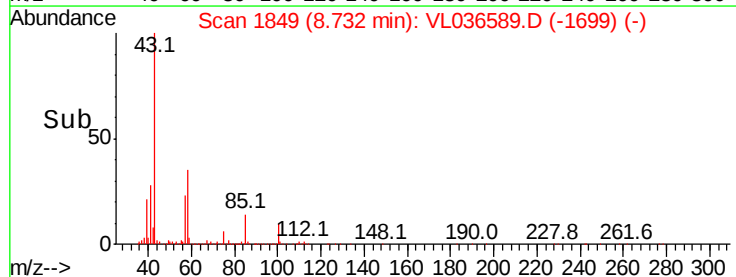
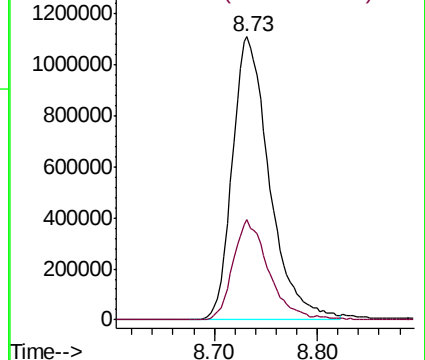
43 100

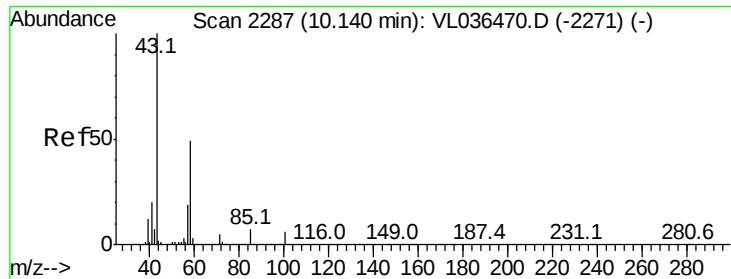
58 34.7 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





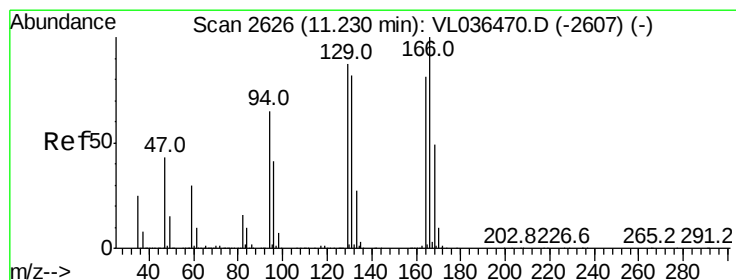
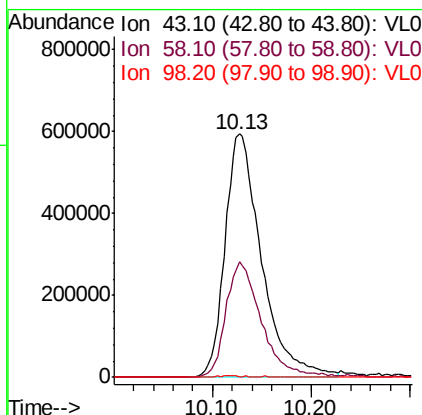
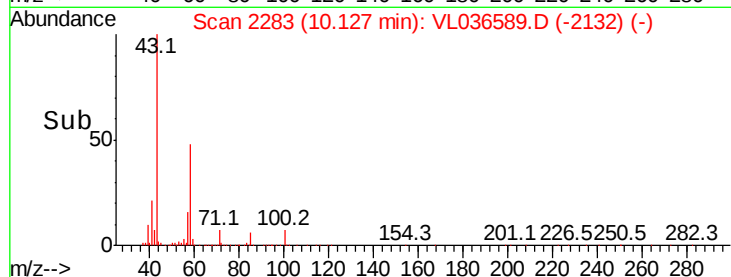
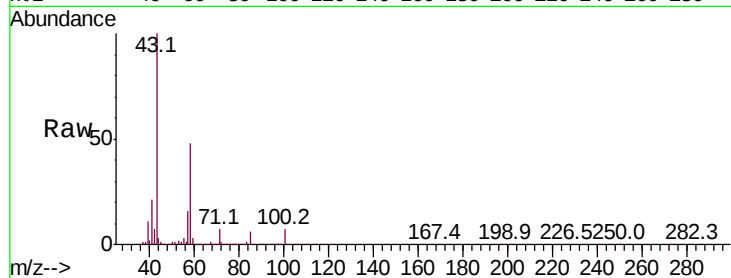
#51
2-Hexanone
Concen: 13.421 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1525975
Ion Ratio Lower Upper
43 100
58 46.9 37.7 56.5
98 0.9 0.2 0.2#

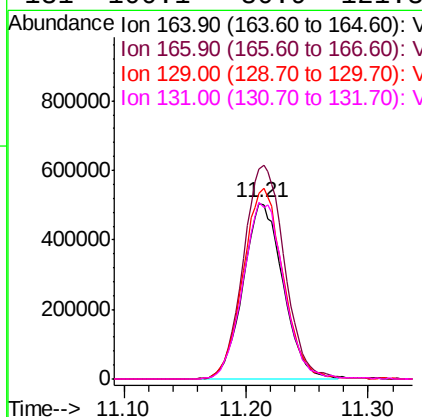
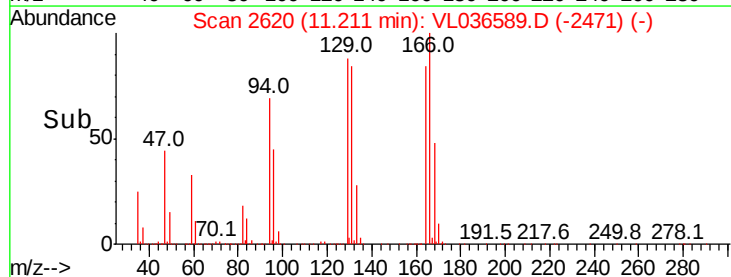
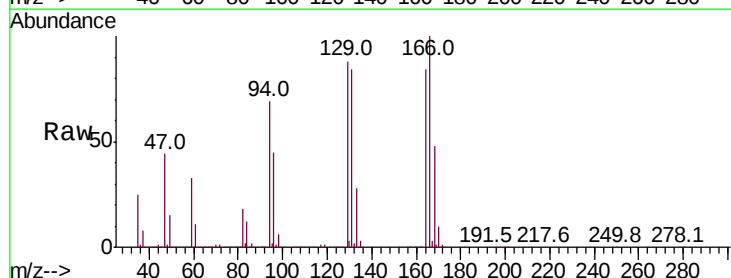
Manual Integrations
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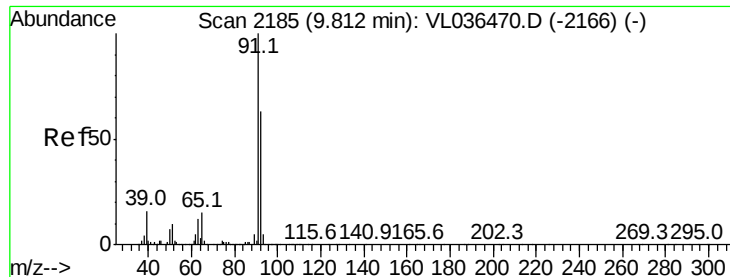
MMDadoda
4/1/2021 11:00:01 AM



#52
Tetrachloroethene
Concen: 10.499 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 164 Resp: 1137419
Ion Ratio Lower Upper
164 100
166 119.5 98.3 147.5
129 105.7 85.8 128.8
131 100.1 80.9 121.3





#53

Toluene

Concen: 11.998 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3758951

Ion Ratio Lower Upper

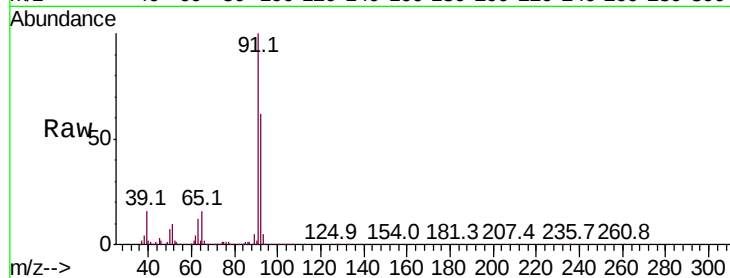
91 100

92 61.8 48.8 73.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.80

1500000

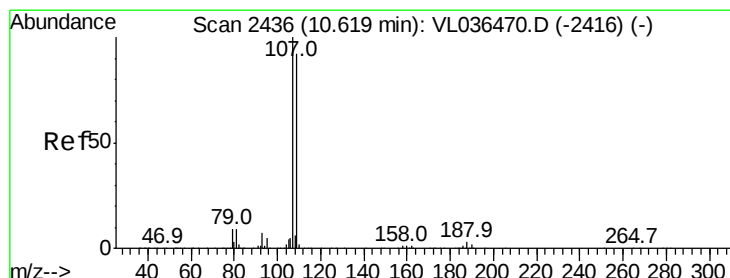
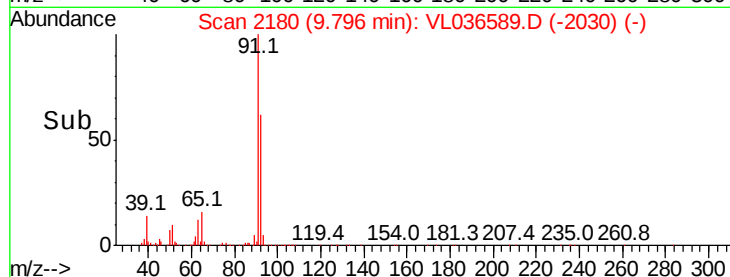
1000000

500000

0

Time-->

9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 11.269 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL036589.D

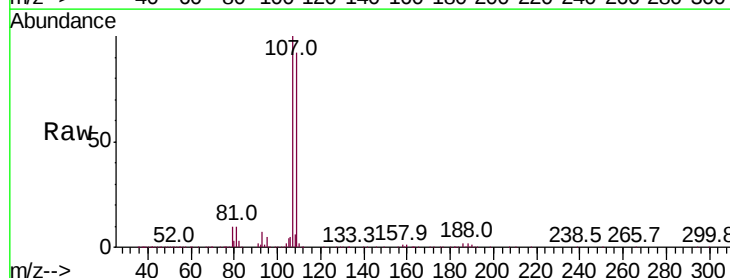
Acq: 31 Mar 2021 4:08

Tgt Ion: 107 Resp: 1923708

Ion Ratio Lower Upper

107 100

109 91.7 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.60

800000

600000

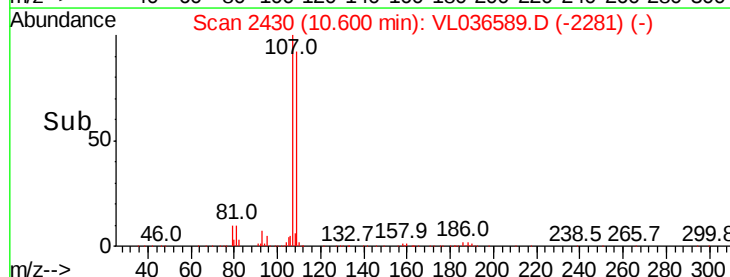
400000

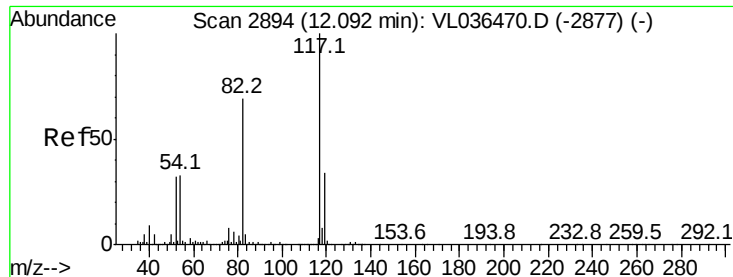
200000

0

Time-->

10.50 10.55 10.60 10.65





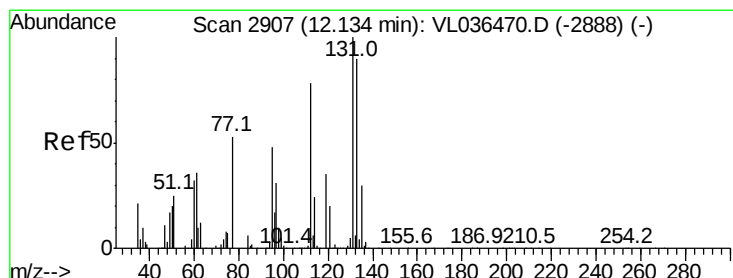
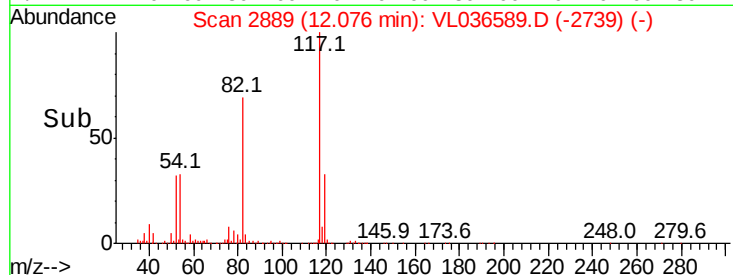
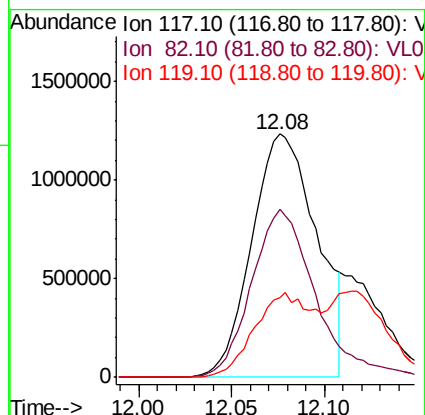
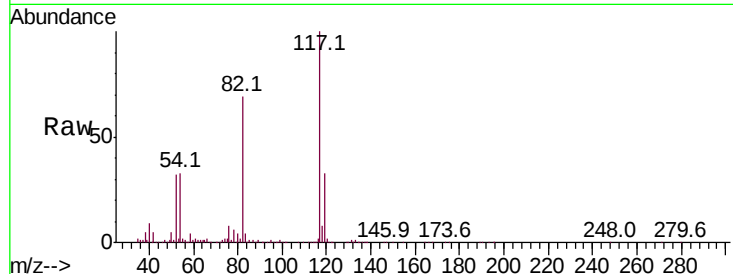
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	57.4	86.0
119	33.6	47.4	71.0#

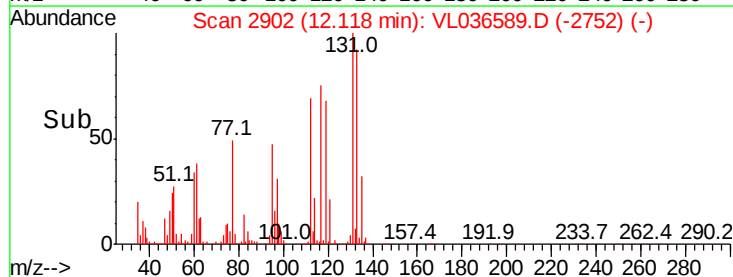
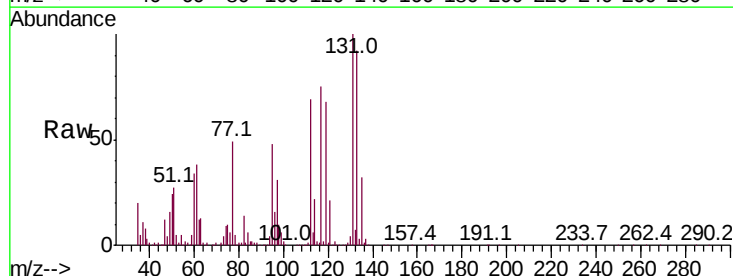
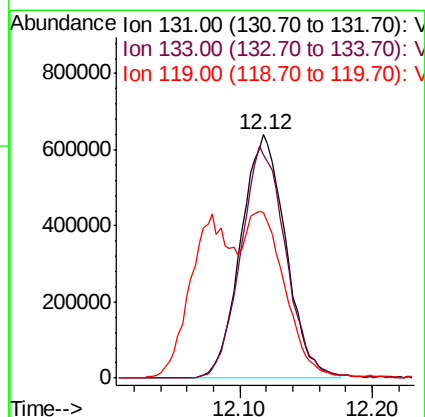
Manual Integrations
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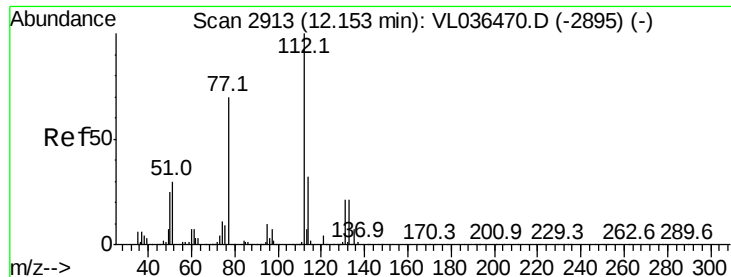
MMDadoda
4/1/2021 11:00:01 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.993 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	75.8	113.6
119	58.2	48.7	73.1





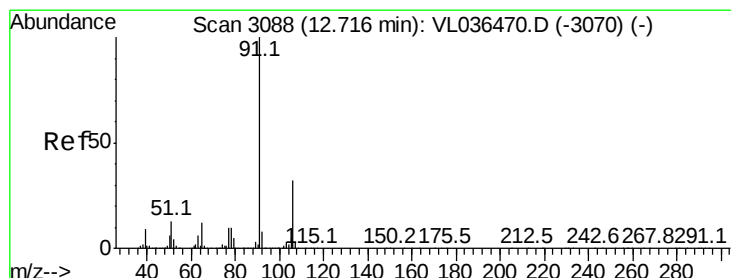
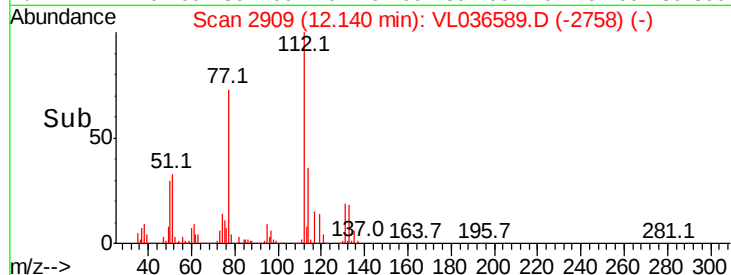
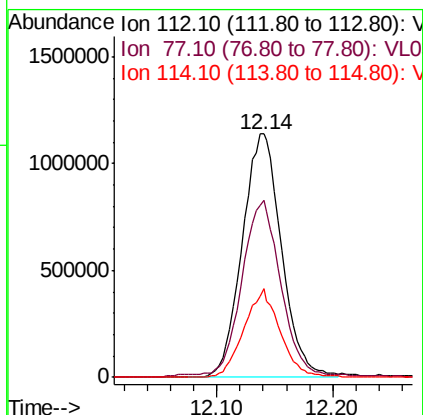
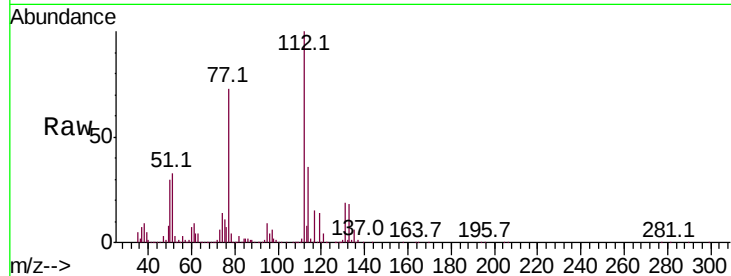
#57
Chlorobenzene
Concen: 10.487 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 2688139
Ion Ratio Lower Upper
112 100
77 71.3 56.0 84.0
114 35.7 29.0 35.4#

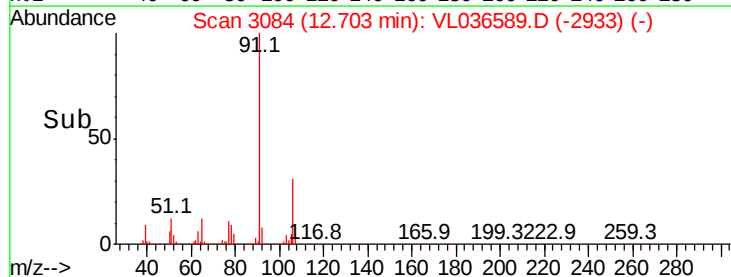
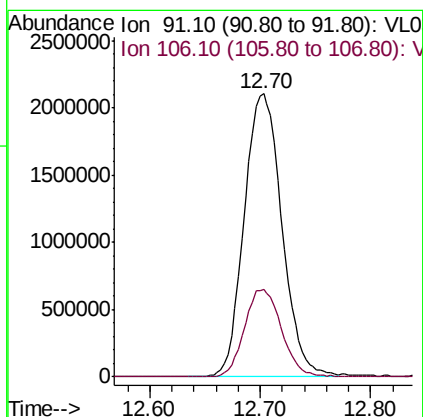
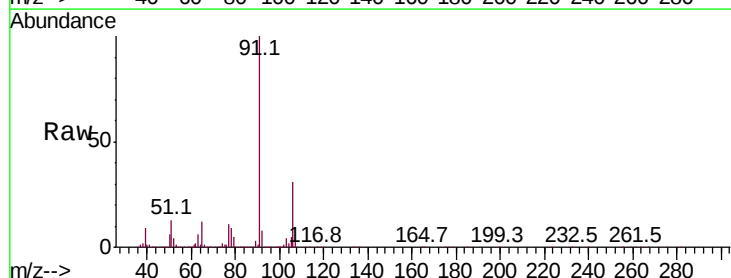
Manual Integrations
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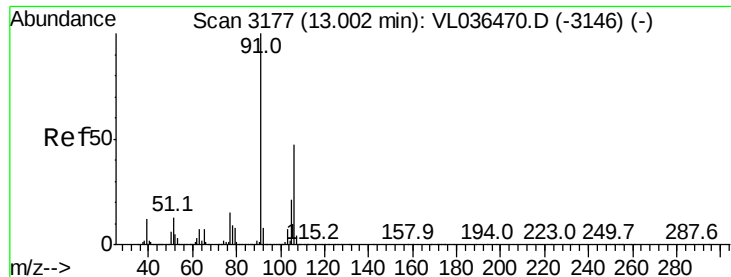
MMDadoda
4/1/2021 11:00:01 AM



#58
Ethyl Benzene
Concen: 11.408 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 91 Resp: 5000089
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9





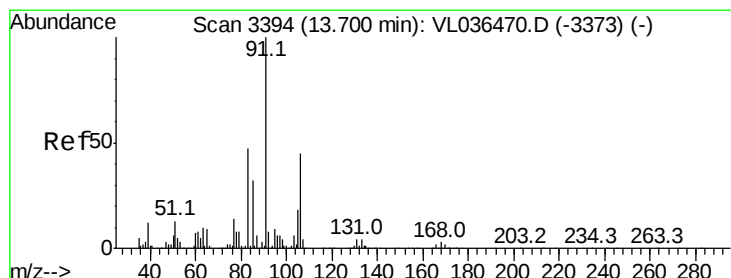
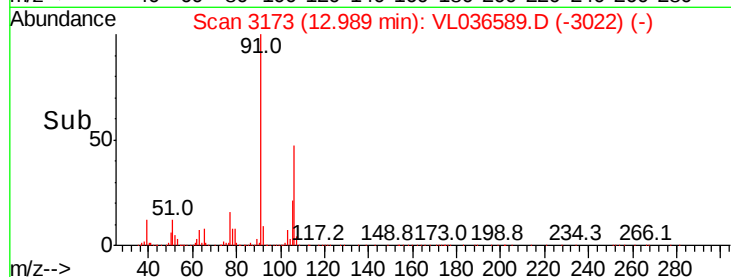
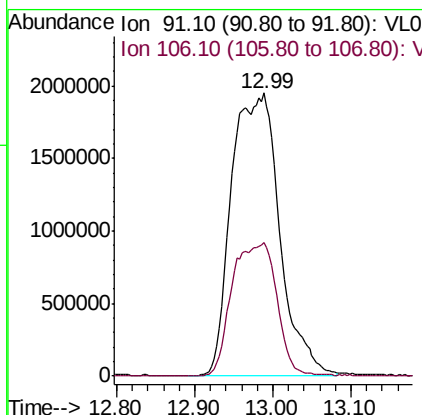
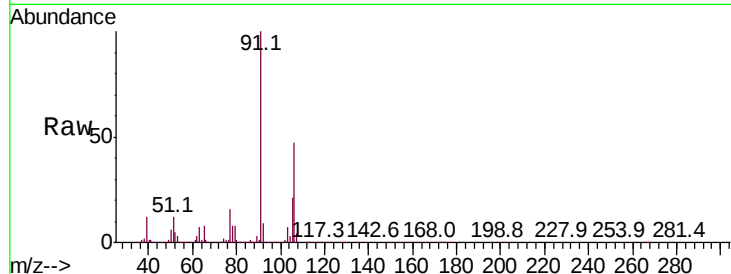
#59
m/p-Xylene
Concen: 21.968 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8398254
Ion Ratio Lower Upper
91 100
106 43.8 35.3 52.9

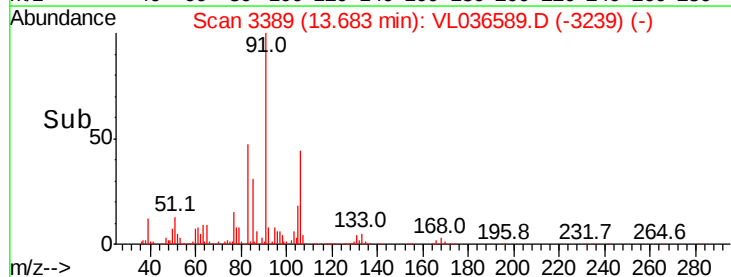
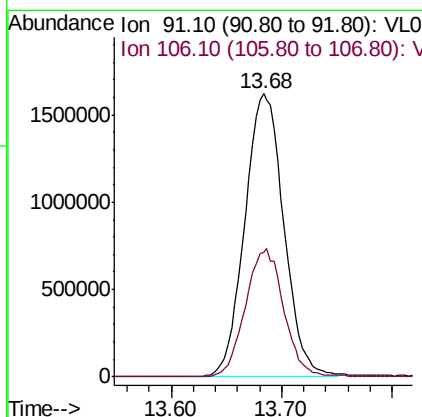
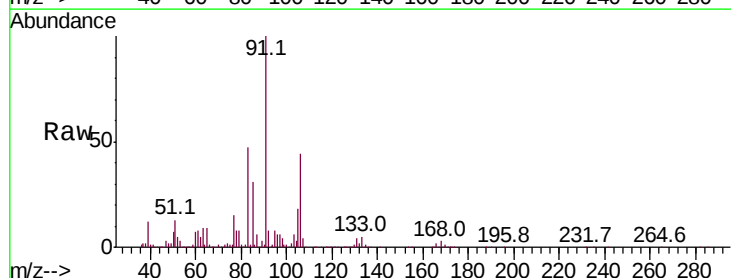
Manual Integrations
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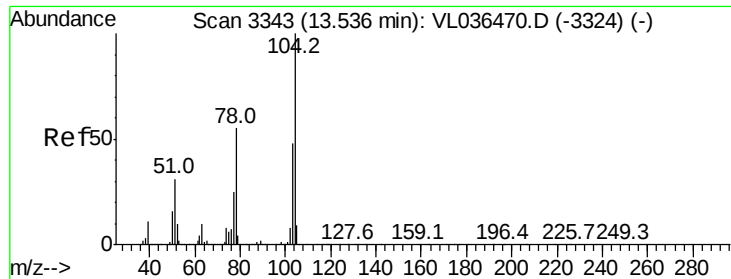
MMDadoda
4/1/2021 11:00:01 AM



#60
o-Xylene
Concen: 10.712 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 91 Resp: 3959701
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 12.384 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2302922

Ion Ratio Lower Upper

104 100

78 55.3 43.8 65.8

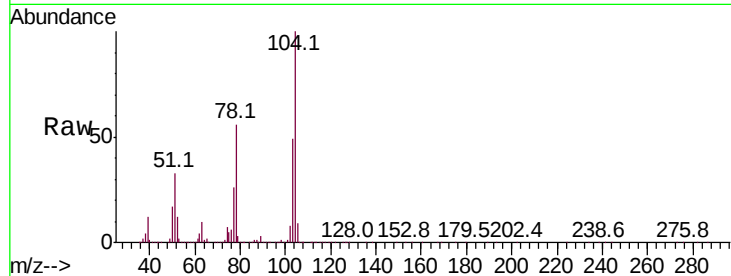
103 48.0 38.3 57.5

Manual Integrations

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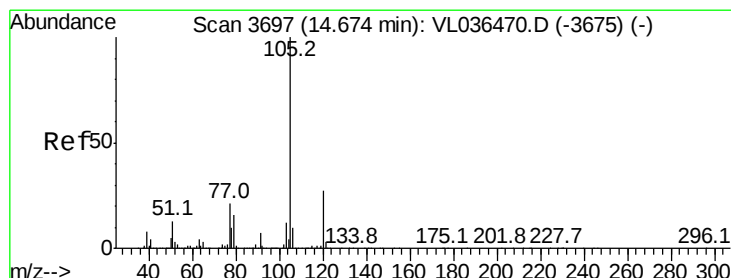
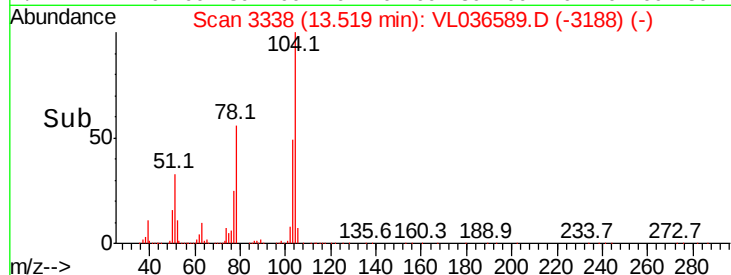
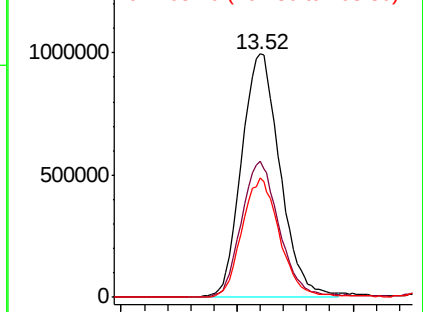
4/1/2021 11:00:01 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.739 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL036589.D

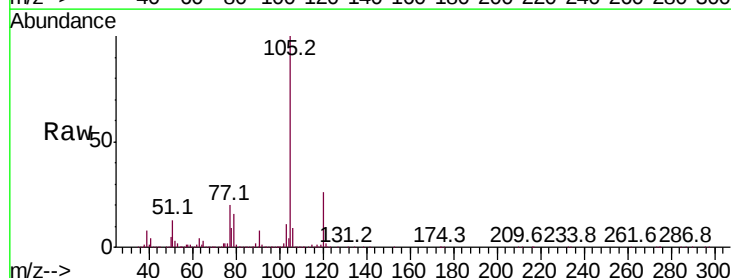
Acq: 31 Mar 2021 4:08

Tgt Ion:105 Resp: 5345716

Ion Ratio Lower Upper

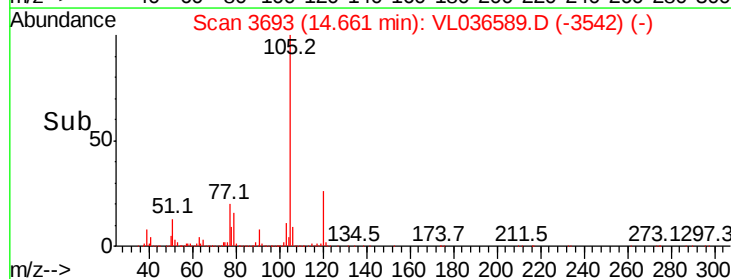
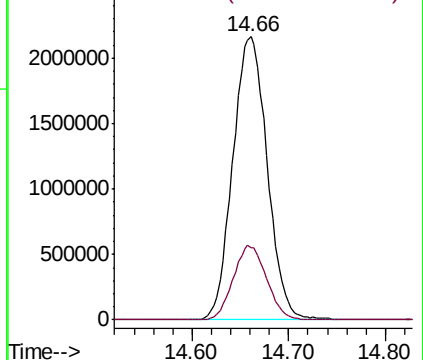
105 100

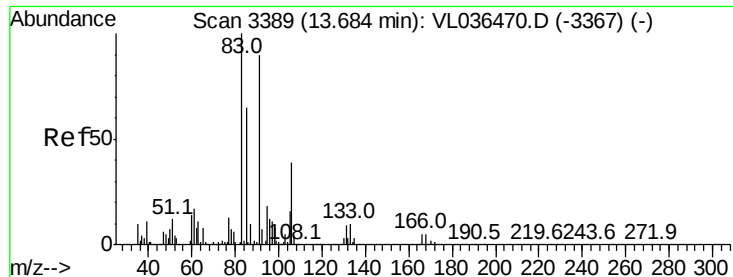
120 25.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





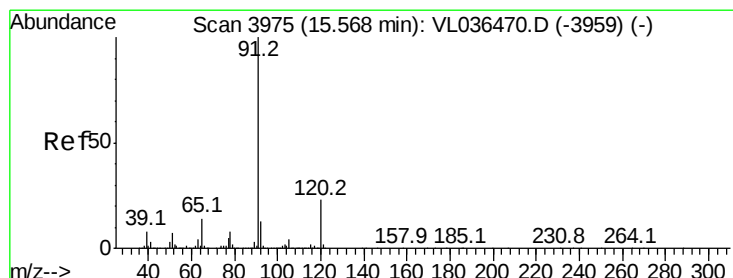
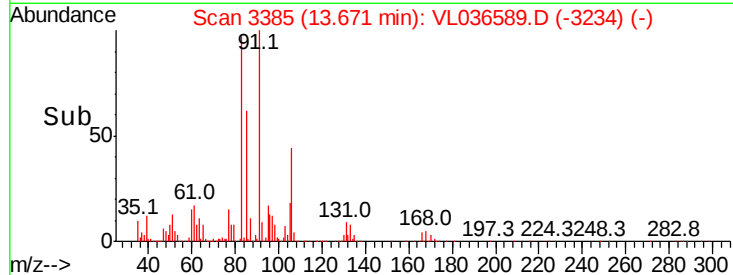
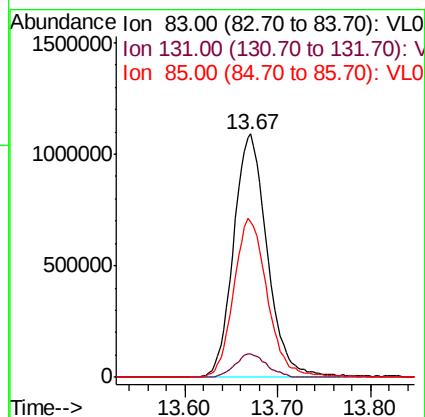
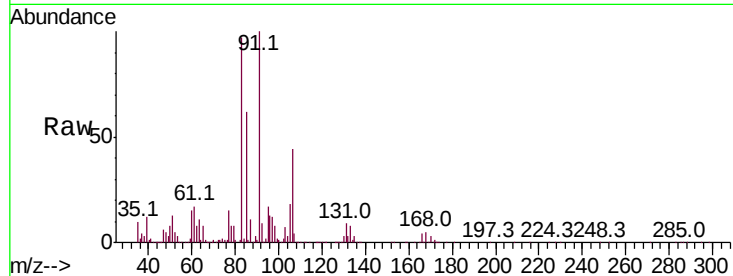
#63
1,1,2,2-Tetrachloroethane
Concen: 9.743 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2747211
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.0
85 65.3 33.1 99.3

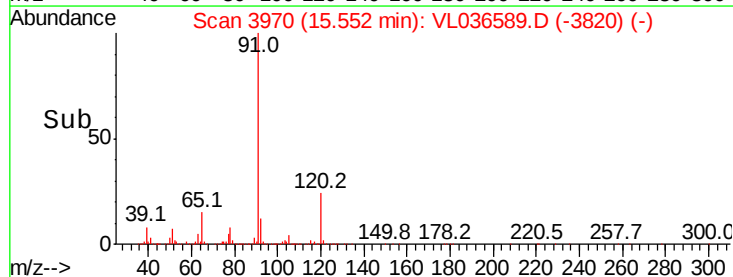
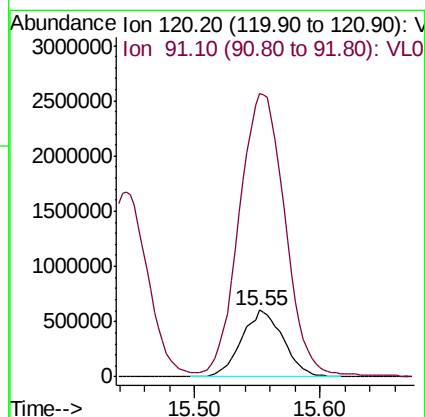
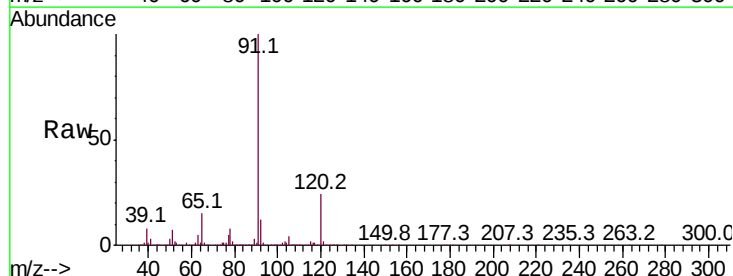
Manual Integrations
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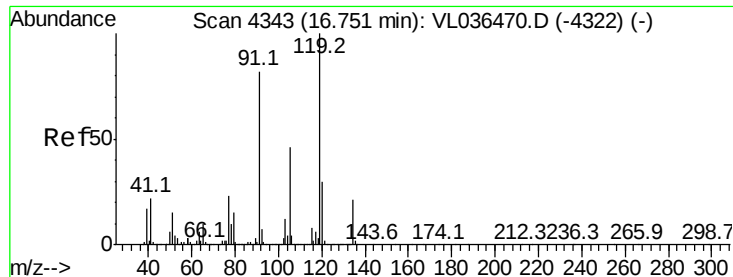
MMDadoda
4/1/2021 11:00:01 AM



#64
n-propylbenzene
Concen: 11.512 ppbv
RT: 15.55 min Scan# 3970
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 120 Resp: 1401021
Ion Ratio Lower Upper
120 100
91 466.7 377.4 566.2





#65

tert-Butylbenzene

Concen: 10.614 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

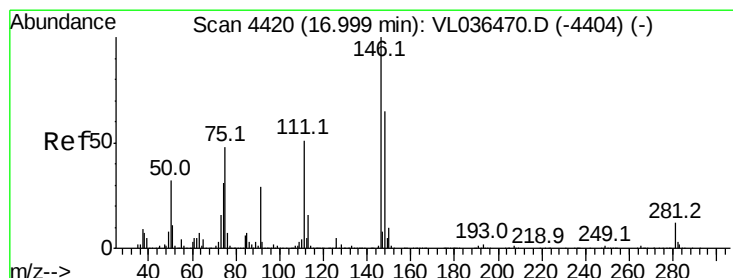
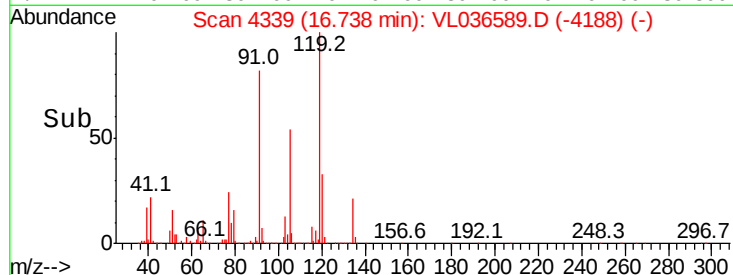
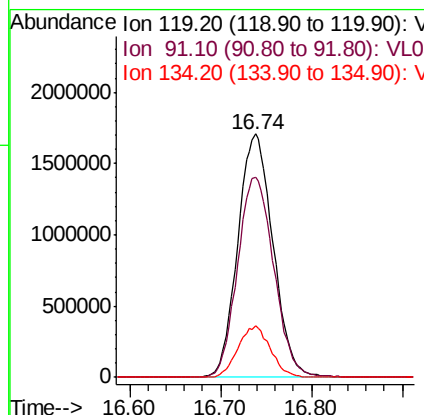
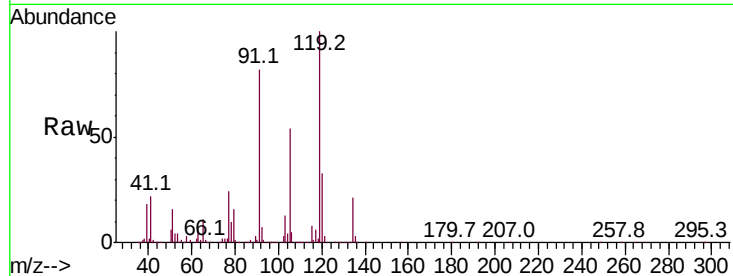
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	4581391
Ion Ratio	Lower	Upper	
119	100		
91	85.0	67.5	101.3
134	19.6	15.8	23.8

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4/1/2021 11:00:01 AM



#66

Benzyl Chloride

Concen: 12.047 ppbv

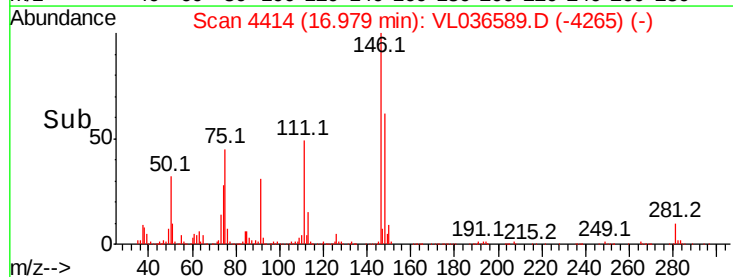
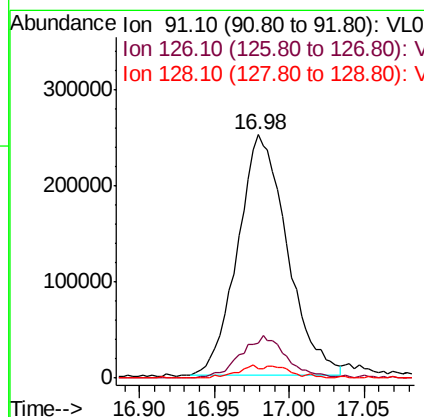
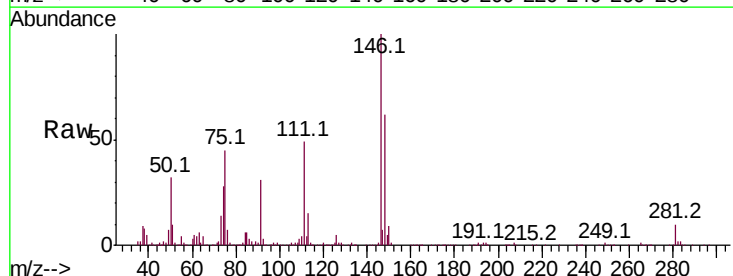
RT: 16.98 min Scan# 4414

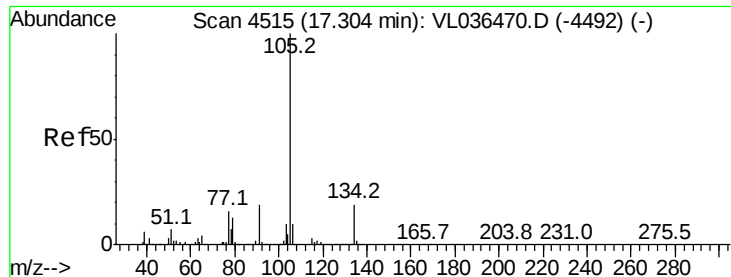
Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion:	91	Resp:	574747
Ion Ratio	Lower	Upper	
91	100		
126	17.2	13.5	20.3
128	5.9	4.2	6.4





#67

sec-Butylbenzene

Concen: 10.505 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 6400278

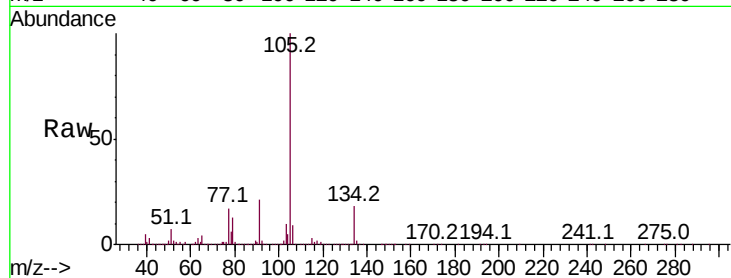
Ion Ratio Lower Upper

105 100

134 18.4 14.7 22.1

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4/1/2021 11:00:01 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

1000000

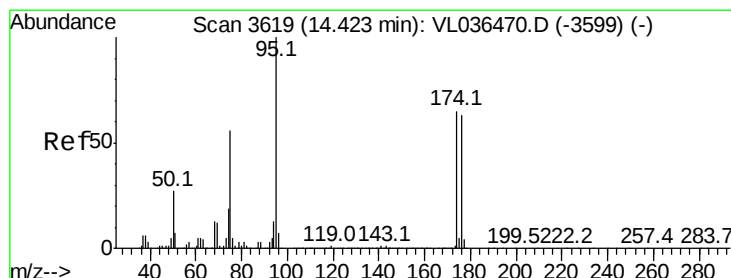
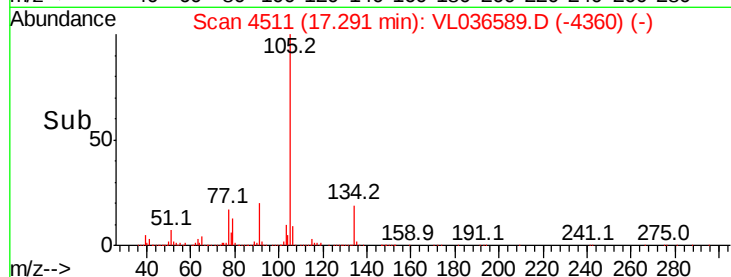
500000

0

17.29

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.387 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

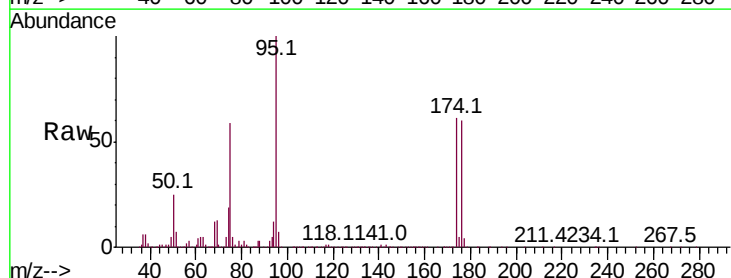
Tgt Ion: 95 Resp: 2494076

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

175 4.8 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

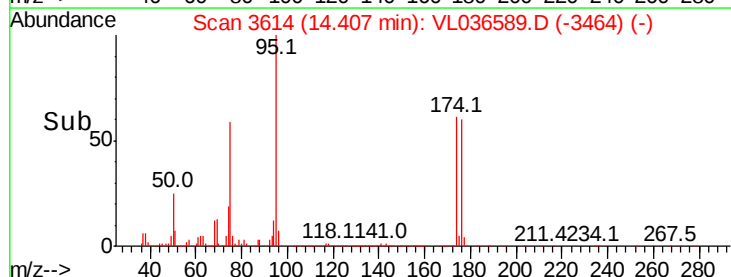
500000

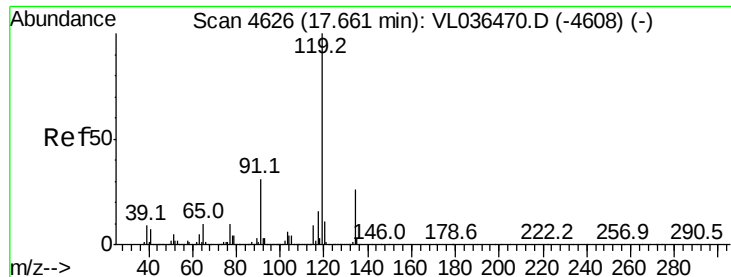
0

14.41

14.30 14.40 14.50

Time-->





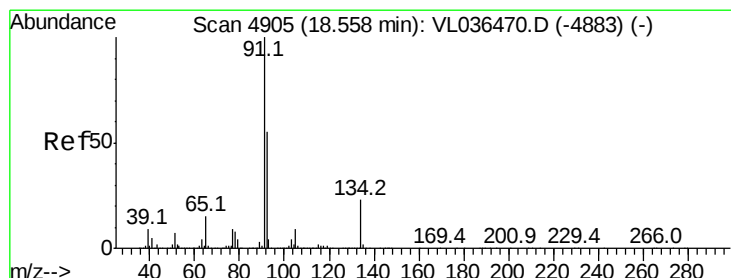
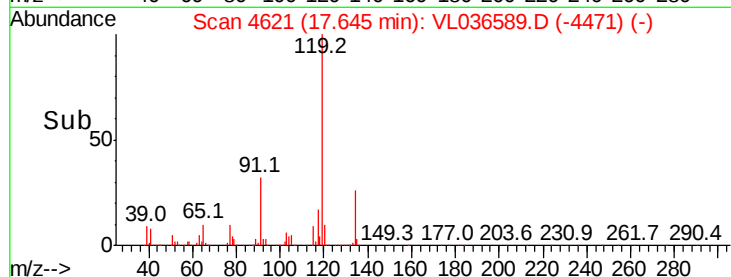
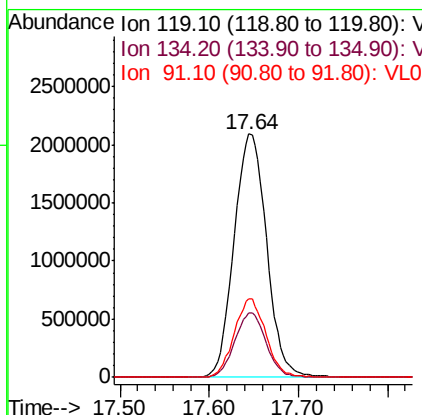
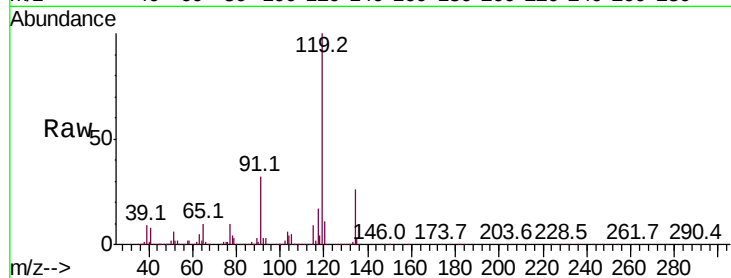
#69
 p-Isopropyltoluene
 Concen: 11.142 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	31.4	25.0	37.6

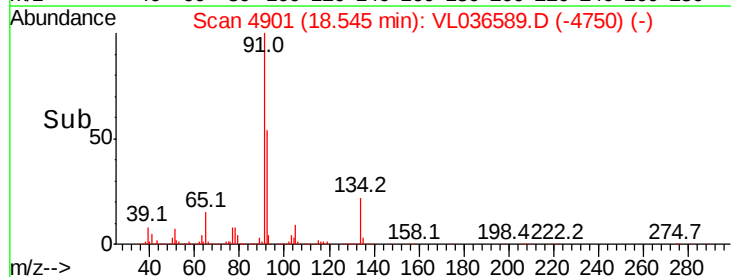
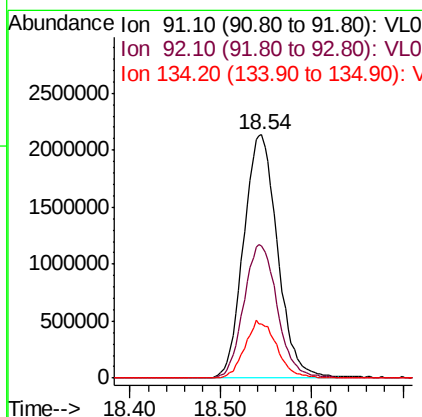
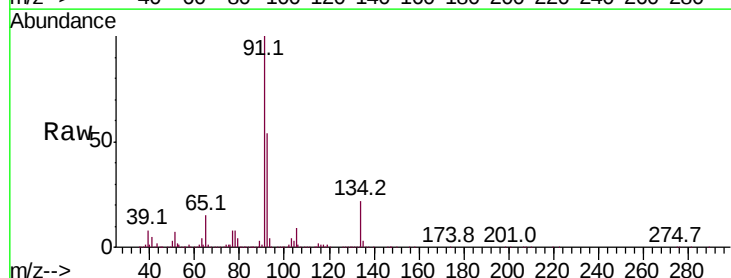
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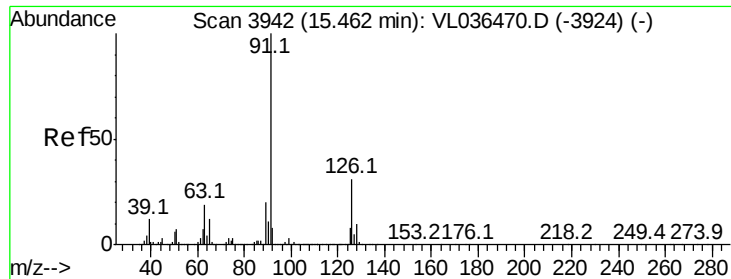
MMDadoda
 4/1/2021 11:00:01 AM



#70
 n-Butylbenzene
 Concen: 11.170 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.8
134	22.4	18.0	27.0





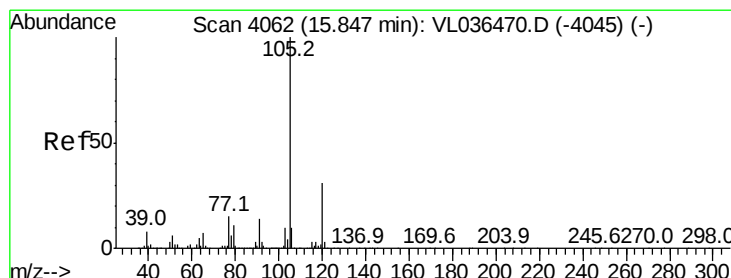
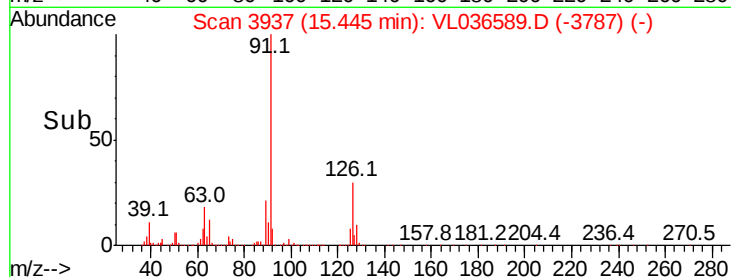
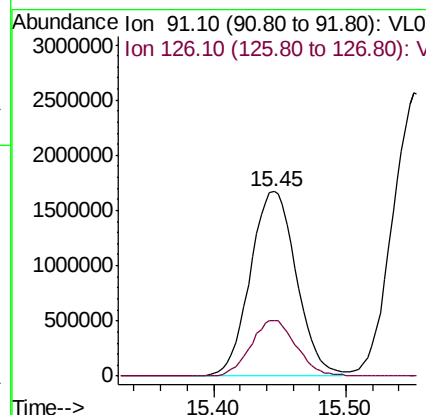
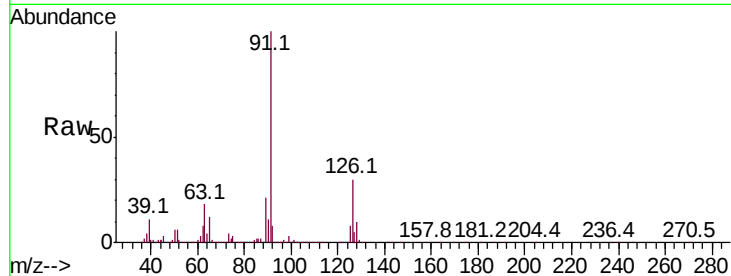
#71
2-Chlorotoluene
Concen: 10.856 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4049311
Ion Ratio Lower Upper
91 100
126 30.0 12.1 48.5

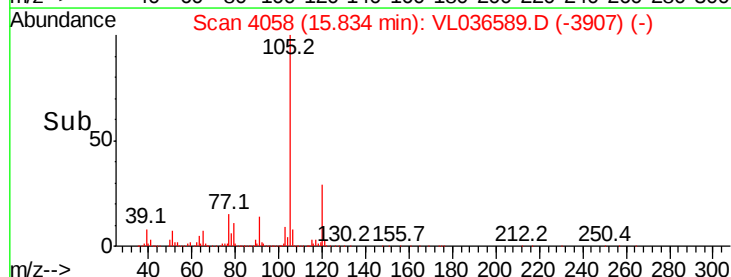
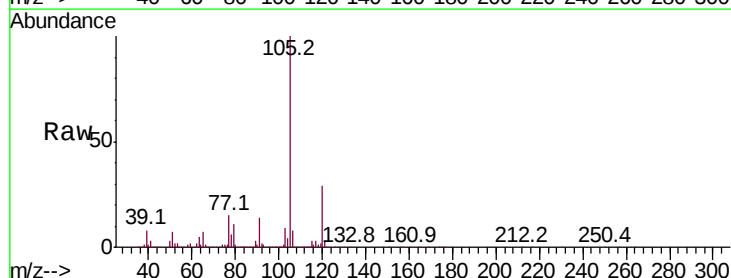
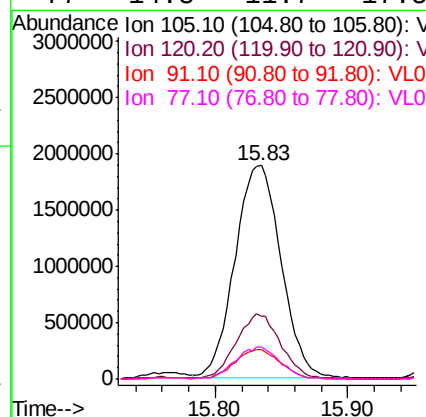
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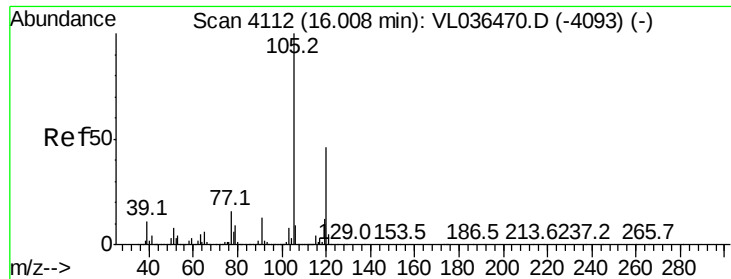
MMDadoda
4/1/2021 11:00:01 AM



#72
4-Ethyltoluene
Concen: 11.237 ppbv
RT: 15.83 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 105 Resp: 4551410
Ion Ratio Lower Upper
105 100
120 29.8 24.0 36.0
91 13.7 11.0 16.4
77 14.8 11.7 17.5





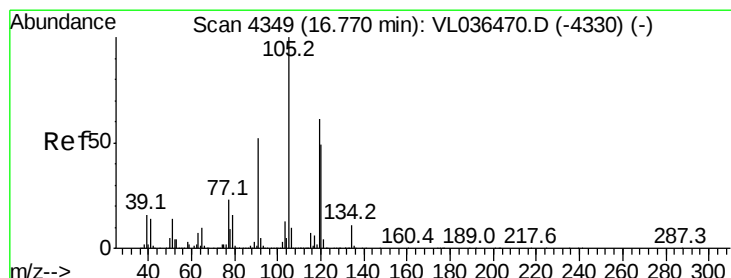
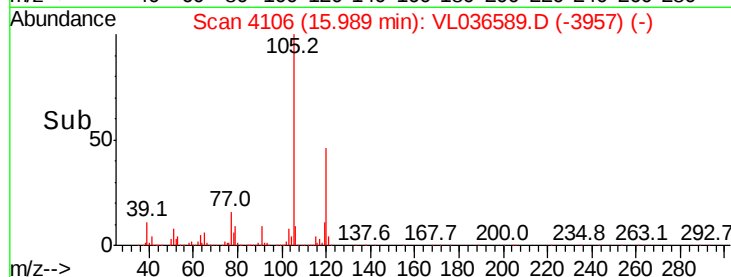
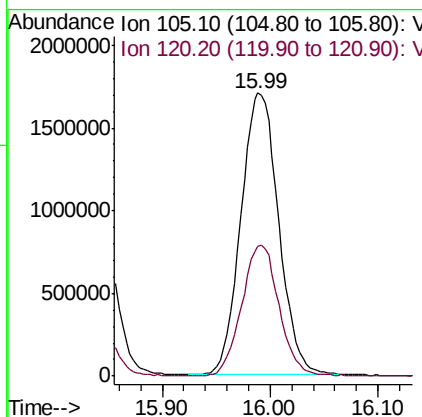
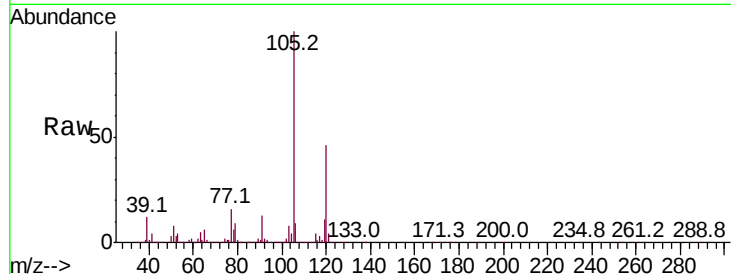
#73
 1,3,5-Trimethylbenzene
 Concen: 10.961 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4143643
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.6 54.8

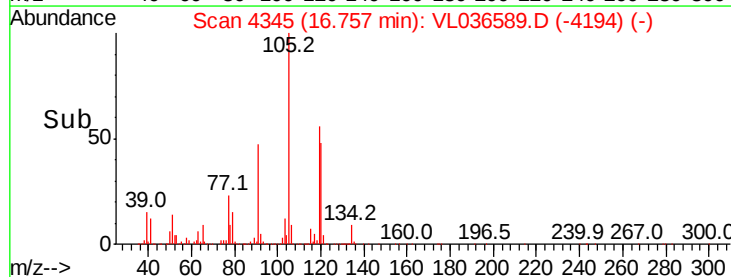
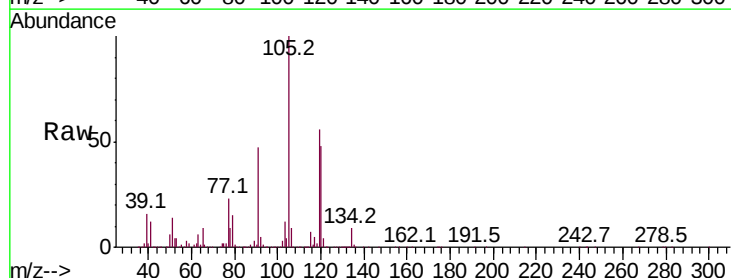
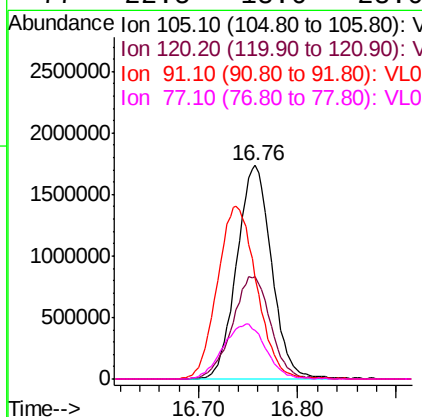
Manual Integrations
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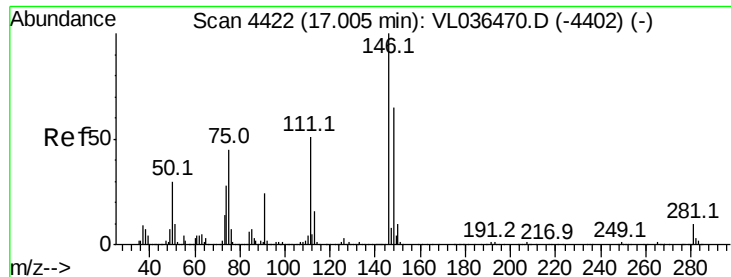
MMDadoda
 4/1/2021 11:00:01 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.485 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion:105 Resp: 4241621
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.2 58.8
 91 46.9 42.6 64.0
 77 22.5 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 10.228 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2328906

Ion Ratio Lower Upper

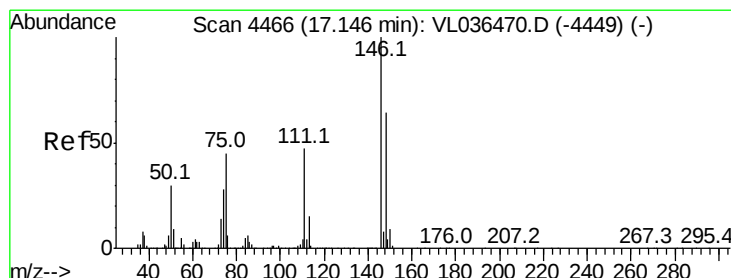
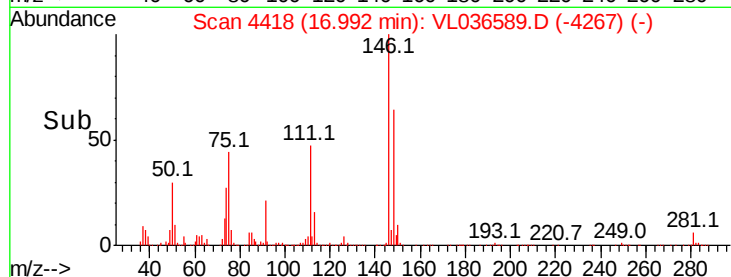
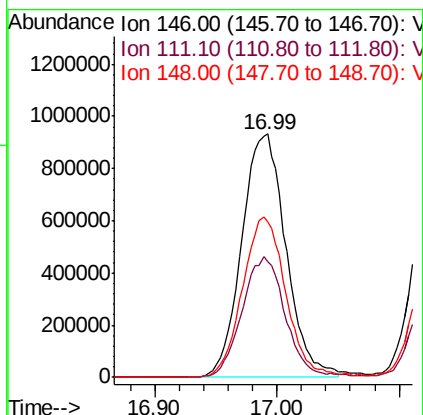
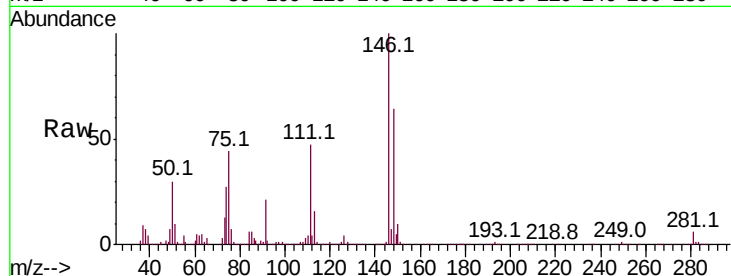
146 100

111 48.8 24.5 73.5

148 64.9 32.3 96.9

Manual Integrations
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4/1/2021 11:00:01 AM



#76

1,4-Dichlorobenzene

Concen: 9.904 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

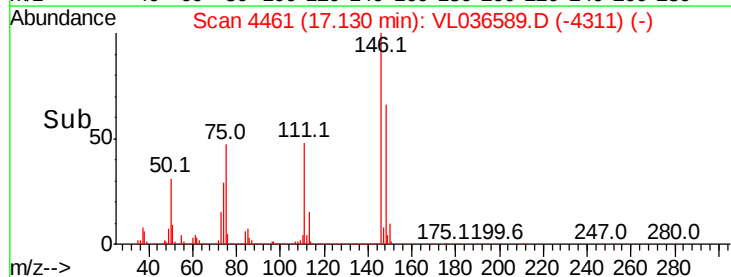
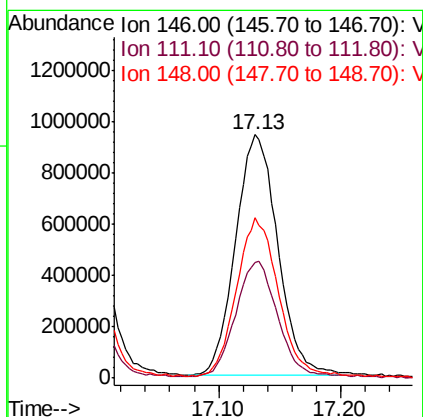
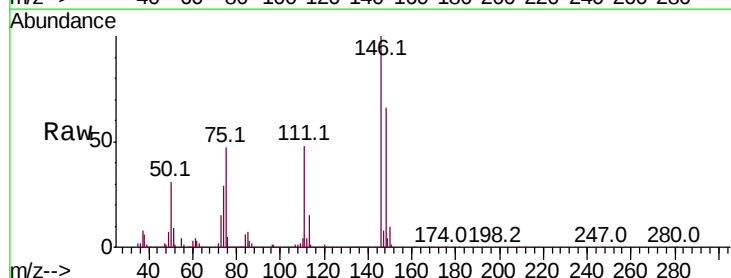
Tgt Ion:146 Resp: 2239155

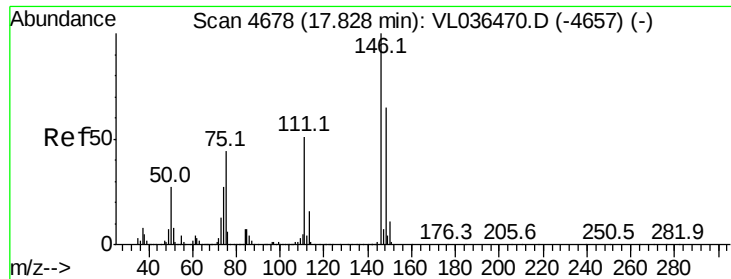
Ion Ratio Lower Upper

146 100

111 49.3 24.3 72.8

148 67.0 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.438 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

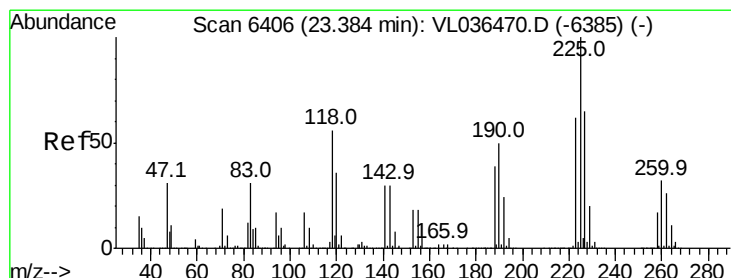
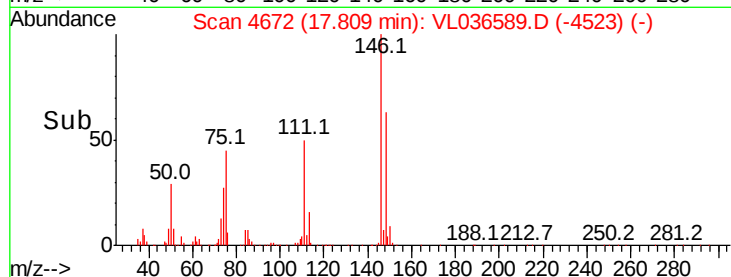
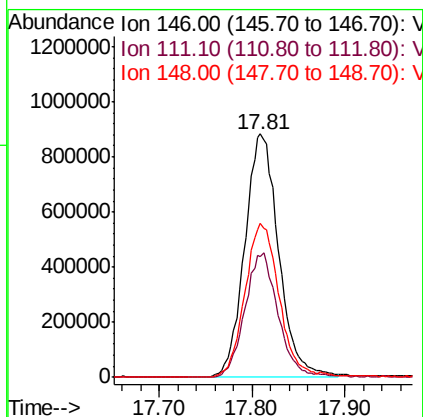
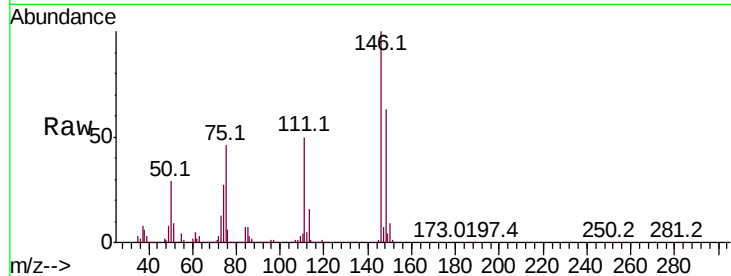
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	2234145
Ion	Ratio	Lower	Upper
146	100		
111	50.4	25.5	76.5
148	64.1	32.9	98.6

Manual Integrations
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MMDadoda
4/1/2021 11:00:01 AM



#78

Hexachloro-1,3-Butadiene

Concen: 9.964 ppbv

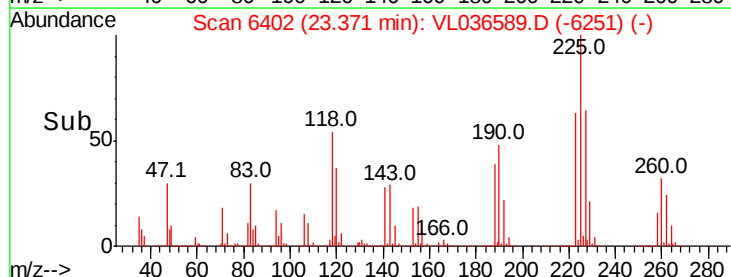
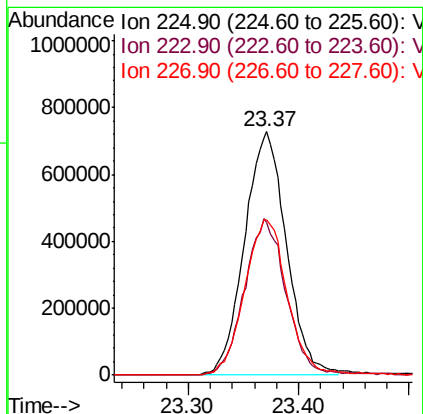
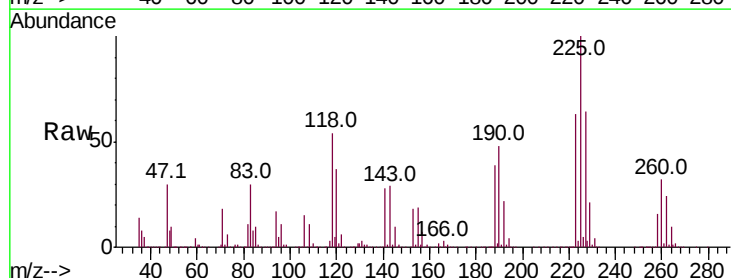
RT: 23.37 min Scan# 6402

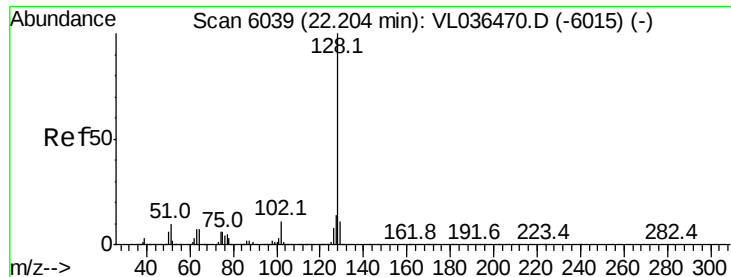
Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion:	225	Resp:	1910086
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	75.8
227	65.8	52.2	78.2





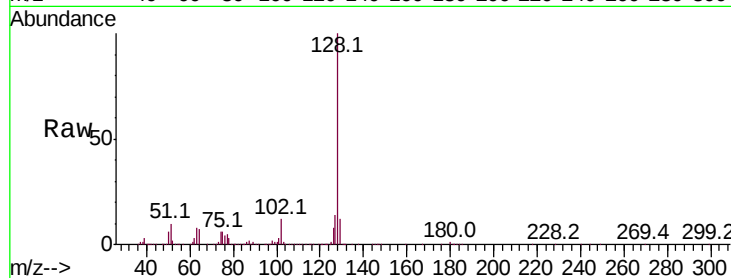
#79
Naphthalene
Concen: 14.582 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

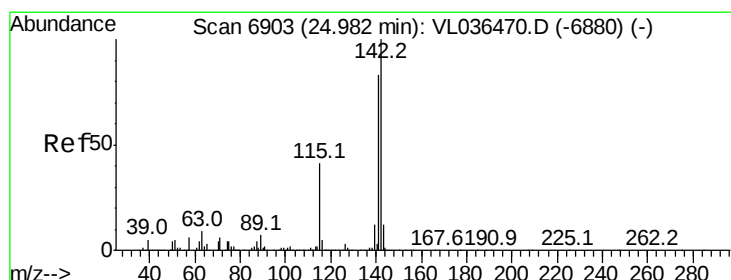
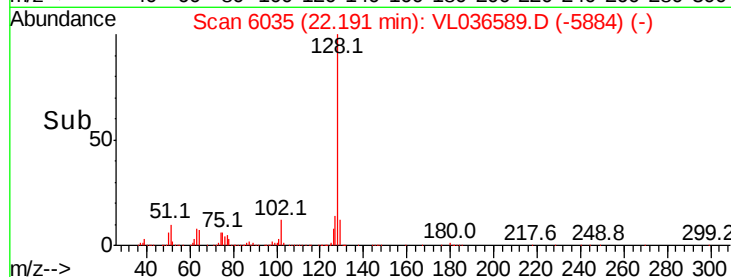
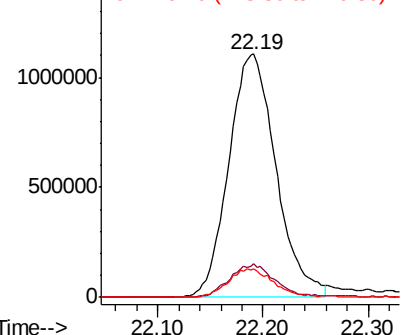
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.9	16.3
129	11.7	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
4/1/2021 11:00:01 AM

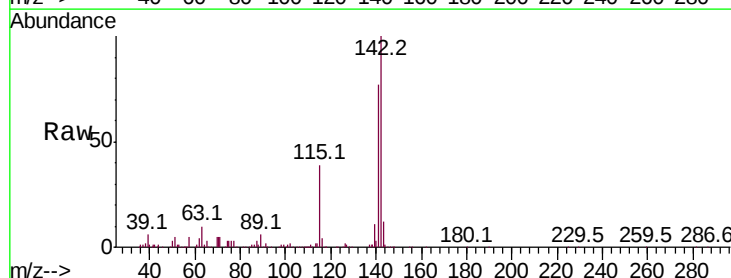


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

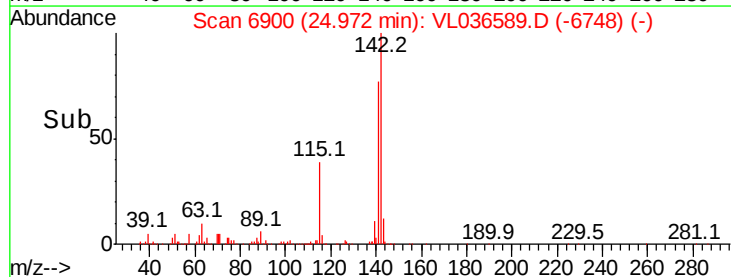
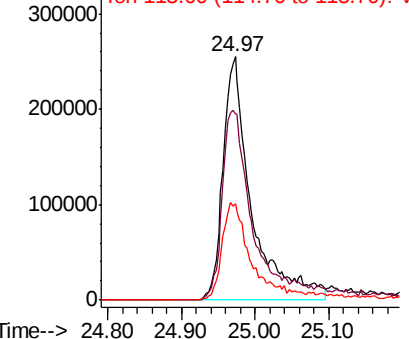


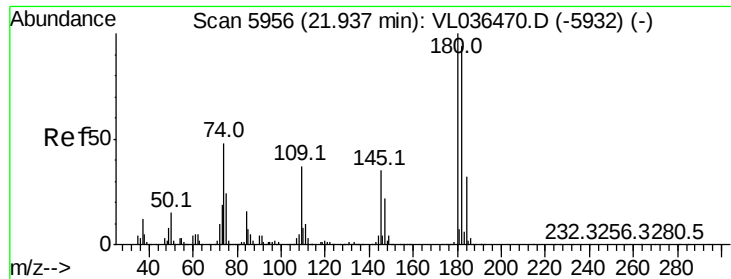
#80
Naphthalene, 2-methyl-
Concen: 14.781 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.8	101.8
115	44.1	34.0	51.0



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





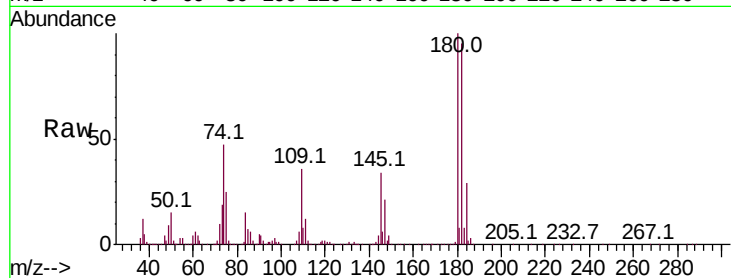
#81
 1,2,4-Trichlorobenzene
 Concen: 13.082 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	80.8	121.2
184	31.3	25.0	37.4

Manual Integrations
 APPROVED

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 4/1/2021 11:00:01 AM



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

