

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037311.D
 Acq On : 31 Jul 2021 9:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:59:07 AM

Quant Time: Aug 01 22:37:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1127741	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3580608	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3459956m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2540829	10.09	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1077538	6.639	ppbv 98
3) Chlorodifluoromethane	2.98	51	2155948	9.541	ppbv 100
4) Chloromethane	3.13	50	788236	10.003	ppbv 98
5) Vinyl Chloride	3.25	62	856819	10.063	ppbv 100
6) Bromomethane	3.47	94	496524	10.283	ppbv 96
7) Chloroethane	3.55	64	316250	10.539	ppbv 95
8) Dichlorotetrafluoroethane	3.18	85	1728923	8.959	ppbv 99
9) Propene	3.00	41	721035	9.484	ppbv 99
10) Heptane	8.12	43	1880897	10.394	ppbv 100
11) Trichlorofluoromethane	3.94	101	2128954	10.560	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1571853	10.481	ppbv 100
13) Ethanol	3.60	45	113910	6.818	ppbv 94
14) Bromoethene	3.73	108	641685	10.126	ppbv 94
15) Acetone	3.84	43	1138845	5.606	ppbv 99
16) 1,3-Butadiene	3.32	39	794687	10.430	ppbv 100
17) tert-Butyl alcohol	4.29	59	1223542	9.473	ppbv 99
18) 1,1-Dichloroethene	4.28	96	715912	10.862	ppbv 99
19) Isopropyl Alcohol	3.96	45	756445	9.625	ppbv 100
20) Methylene Chloride	4.34	84	737291	9.380	ppbv 92
21) Allyl Chloride	4.40	41	1016423	11.239	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	708928	11.269	ppbv 95
23) Vinyl Acetate	5.07	43	1933524	11.281	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1506839	11.323	ppbv 99
25) Ethyl Acetate	5.67	43	3069681	10.416	ppbv 99
26) Hexane	5.68	57	1571281	9.976	ppbv 98
27) Carbon Disulfide	4.55	76	1585260	12.218	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1702421	11.189	ppbv 98
29) Chloroform	5.75	83	2267032	10.044	ppbv 99
30) Cyclohexane	7.13	84	1279921	10.392	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1408917	10.555	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2286981	10.190	ppbv 99
34) 2-Butanone	5.24	43	1344574	8.752	ppbv 98
35) Carbon Tetrachloride	7.01	117	2426628	10.694	ppbv 98
36) Benzene	6.89	78	3039635	10.027	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1629233	10.317	ppbv 100
38) Trichloroethene	7.83	130	1317921	9.634	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1142027	10.017	ppbv 97
40) 1,4-Dioxane	7.83	88	325020	9.896	ppbv 90
41) Tetrahydrofuran	6.05	42	690198	11.180	ppbv 98
42) Bromodichloromethane	7.79	83	2371415	10.764	ppbv 97
43) Methyl Methacrylate	8.01	69	1098746	10.904	ppbv 99

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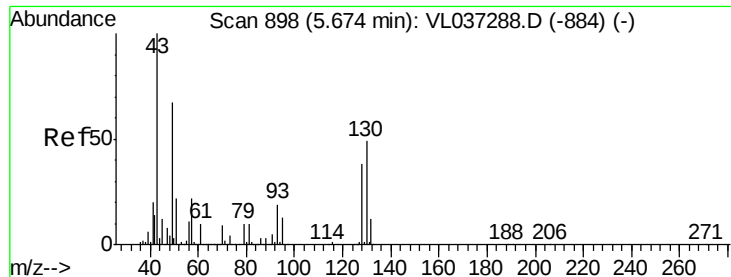
Manual Integrations
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MMDadoda
 8/2/2021 8:59:07 AM

Quant Time: Aug 01 22:37:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4979979	10.049	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1024203	12.129	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1332558	11.700	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1305812	10.210	ppbv	98
48) Dibromochloromethane	10.30	129	2233479	11.407	ppbv	99
49) Bromoform	13.04	173	1860558	12.232	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2000074	10.280	ppbv	99
51) 2-Hexanone	10.13	43	953045	10.610	ppbv #	98
52) Tetrachloroethene	11.22	164	1287444	9.634	ppbv	97
53) Toluene	9.81	91	3693968	10.365	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1930168	10.675	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1562133	10.314	ppbv	97
57) Chlorobenzene	12.15	112	2883384	9.962	ppbv	99
58) Ethyl Benzene	12.71	91	4866029	10.230	ppbv	99
59) m/p-Xylene	12.99	91	8255579m	20.159	ppbv	
60) o-Xylene	13.69	91	3939014	10.065	ppbv	100
61) Styrene	13.53	104	2242954	11.213	ppbv	99
62) Isopropylbenzene	14.67	105	5585808	10.105	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2736391	9.913	ppbv	100
64) n-propylbenzene	15.56	120	1493285	10.418	ppbv	97
65) tert-Butylbenzene	16.74	119	5120201	10.008	ppbv	99
66) Benzyl Chloride	16.99	91	159181	6.332	ppbv #	63
67) sec-Butylbenzene	17.29	105	6816389	10.076	ppbv	100
69) p-Isopropyltoluene	17.65	119	5926251	10.233	ppbv	100
70) n-Butylbenzene	18.55	91	5634512	10.310	ppbv	100
71) 2-Chlorotoluene	15.45	91	4012403	10.185	ppbv	100
72) 4-Ethyltoluene	15.84	105	4936478	10.652	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4433310	10.358	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4599434	9.747	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2902570	10.230	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2787979	9.517	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2827405	10.380	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1843950	9.025	ppbv	99
79) Naphthalene	22.20	128	3475318	9.404	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	978732	9.210	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2082115	9.336	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1127741

Ion Ratio Lower Upper

49 100

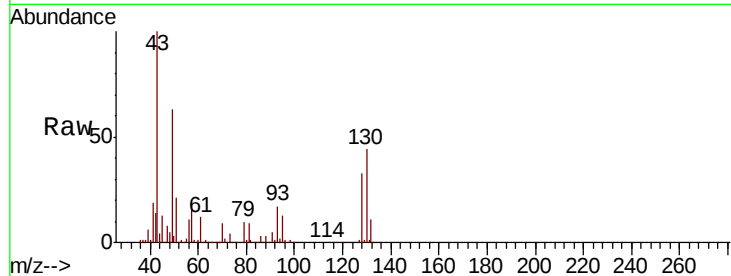
128 61.8 30.6 92.0

130 75.9 37.8 113.4

Manual Integrations
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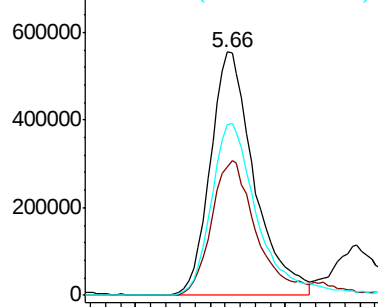
8/2/2021 8:59:07 AM



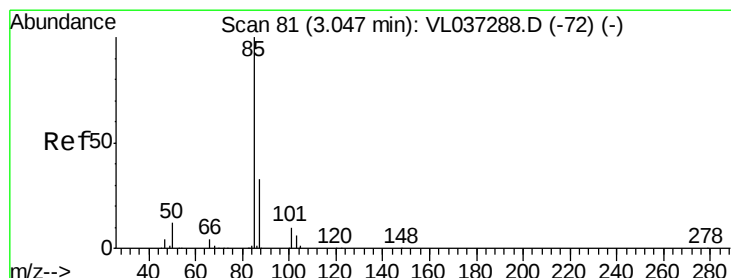
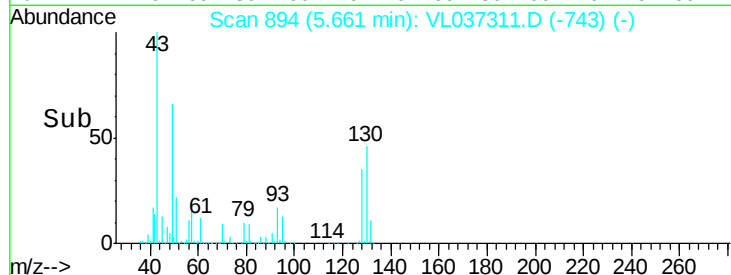
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 6.639 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037311.D

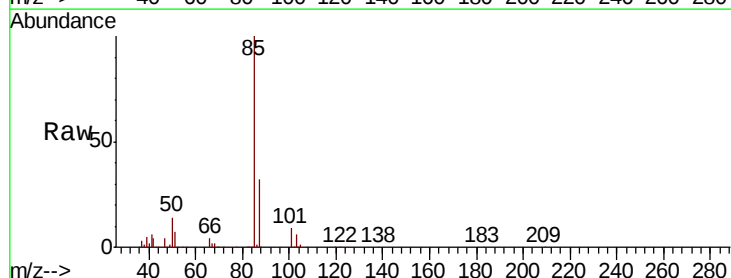
Acq: 31 Jul 2021 9:55

Tgt Ion: 85 Resp: 1077538

Ion Ratio Lower Upper

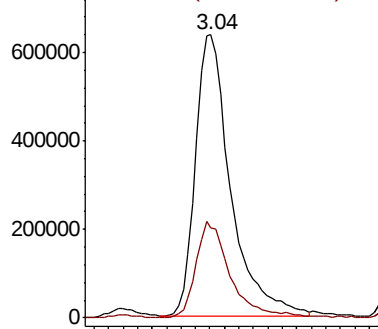
85 100

87 32.0 26.6 40.0

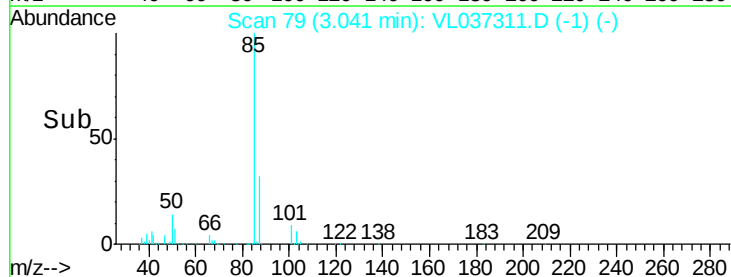


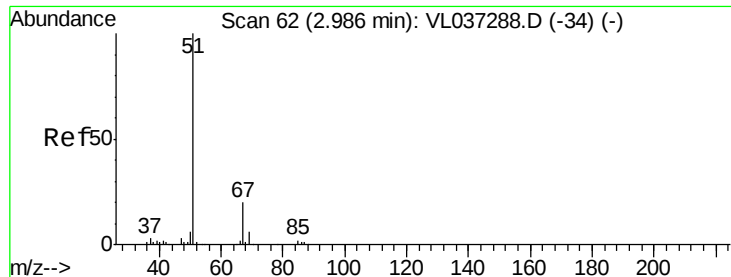
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->





#3

Chlorodifluoromethane

Concen: 9.541 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Tot Ion: 51 Resp: 2155948

Ion Ratio Lower Upper

51 100

67 19.1 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

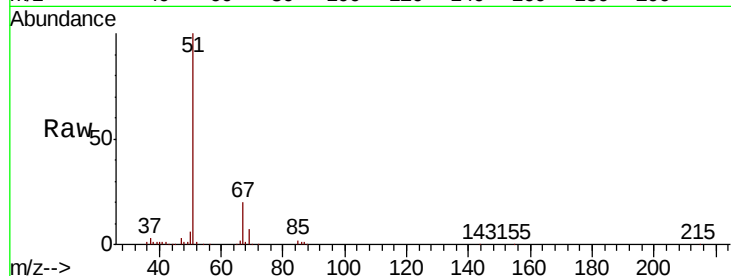
VSTDCCC010EC

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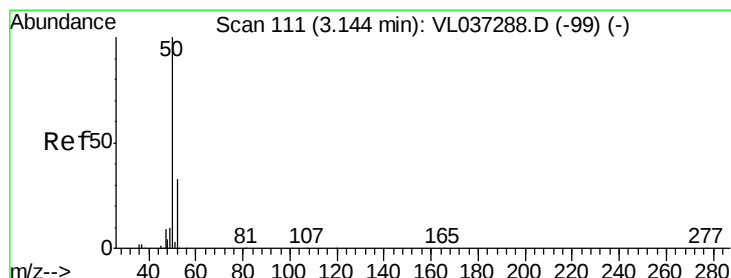
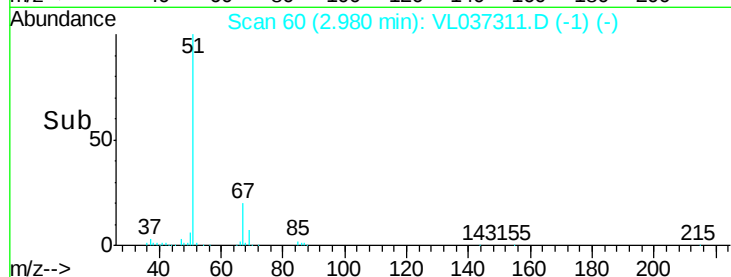
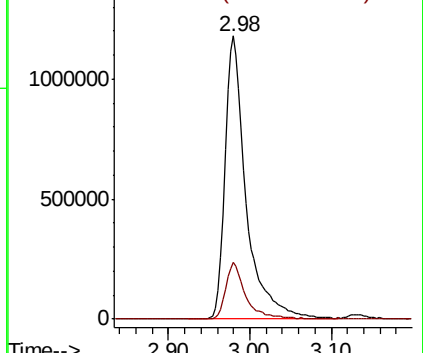
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.003 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037311.D

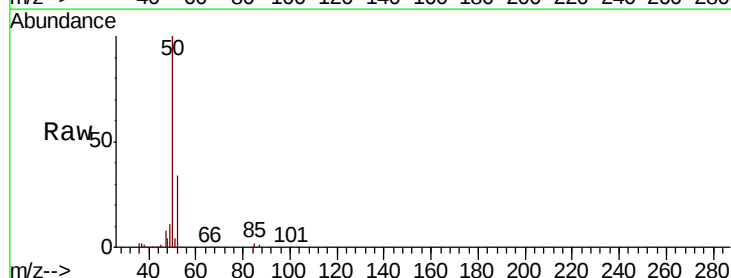
Acq: 31 Jul 2021 9:55

Tgt Ion: 50 Resp: 788236

Ion Ratio Lower Upper

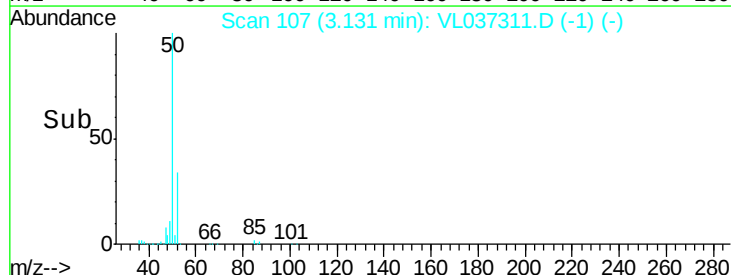
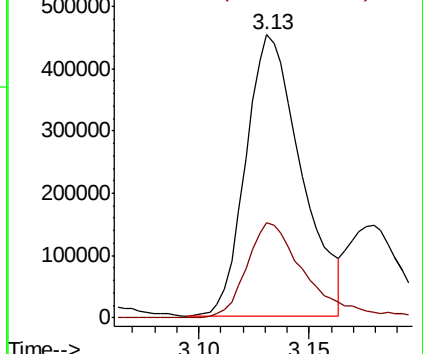
50 100

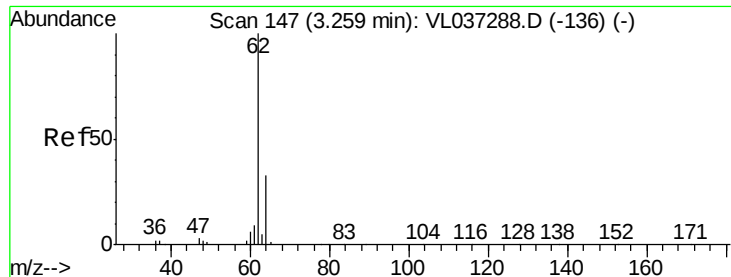
52 34.1 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.063 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 856819

Ion Ratio Lower Upper

62 100

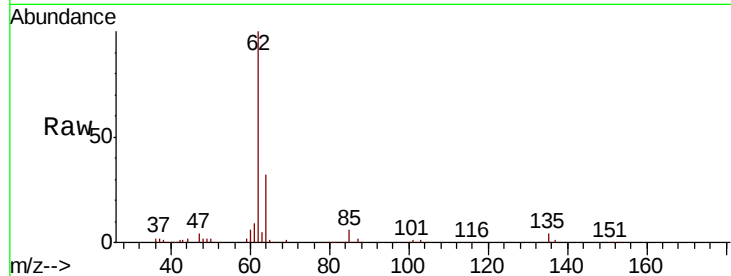
64 32.5 26.1 39.1

Manual Integrations

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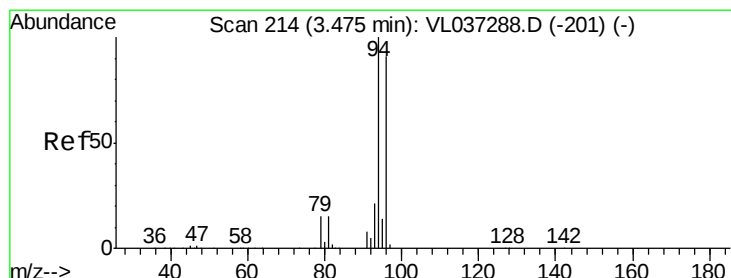
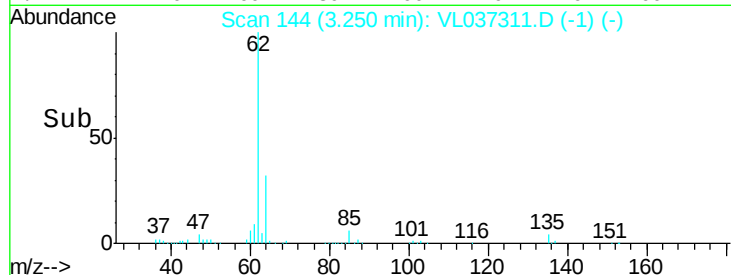
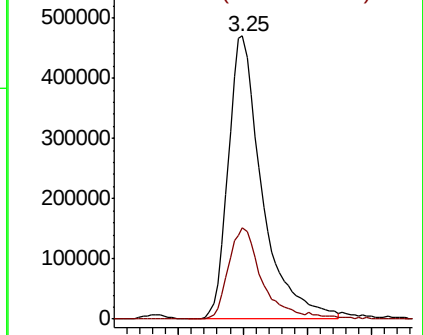
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.283 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL037311.D

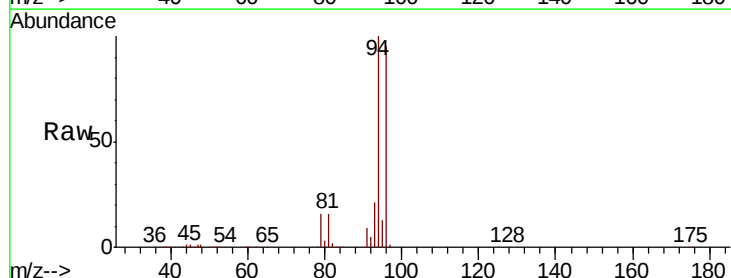
Acq: 31 Jul 2021 9:55

Tgt Ion: 94 Resp: 496524

Ion Ratio Lower Upper

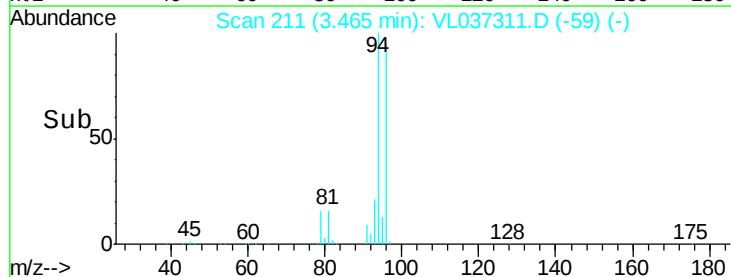
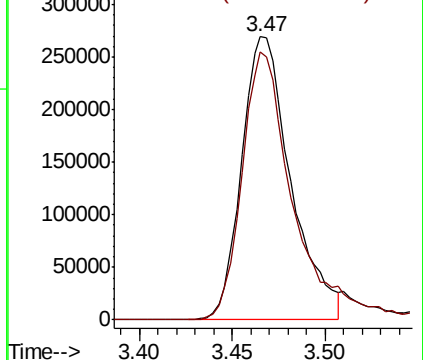
94 100

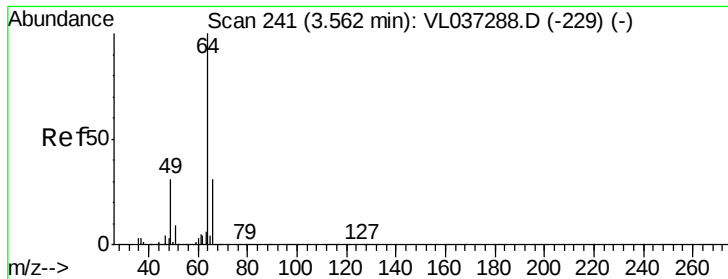
96 94.8 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.539 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 316250

Ion Ratio Lower Upper

64 100

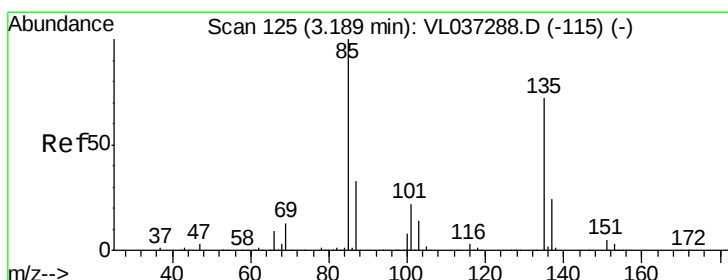
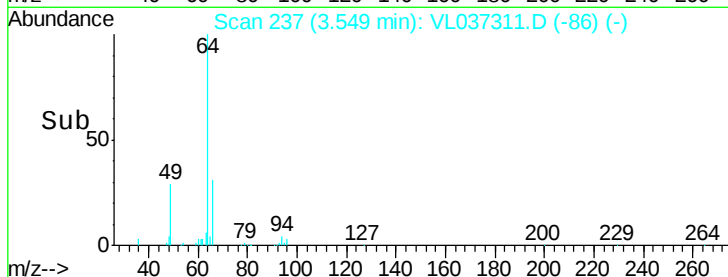
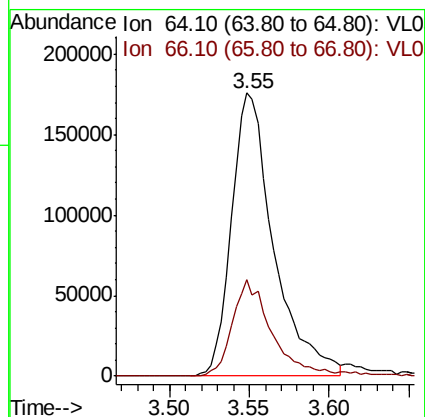
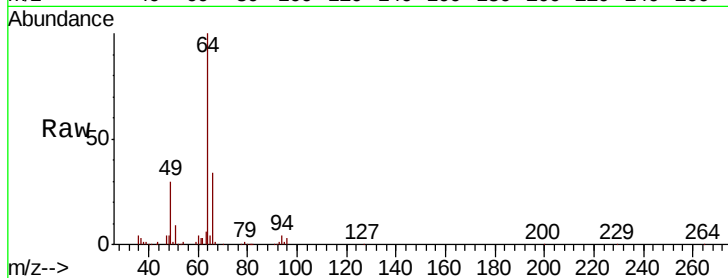
66 34.1 24.9 37.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.959 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL037311.D

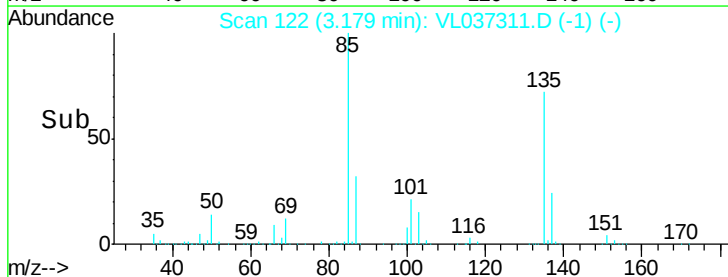
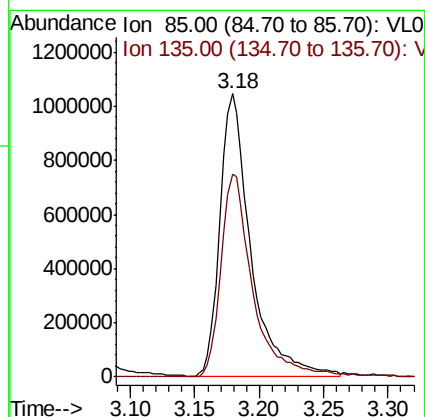
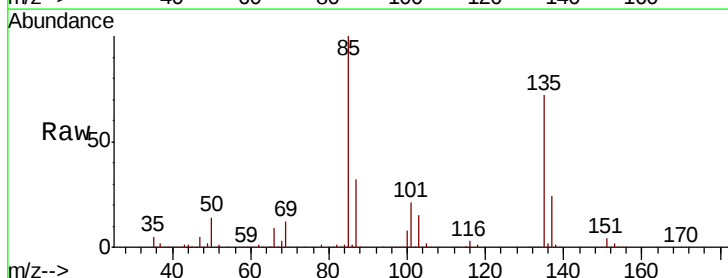
Acq: 31 Jul 2021 9:55

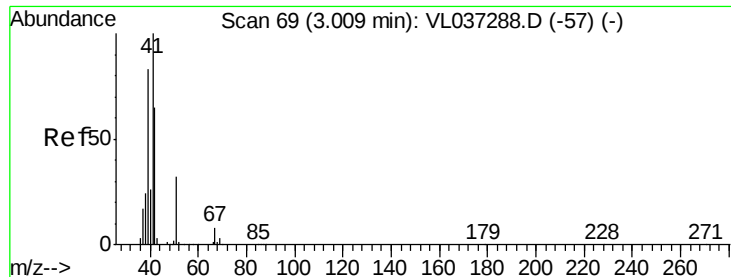
Tgt Ion: 85 Resp: 1728923

Ion Ratio Lower Upper

85 100

135 75.2 61.0 91.4





#9

Propene

Concen: 9.484 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 721035

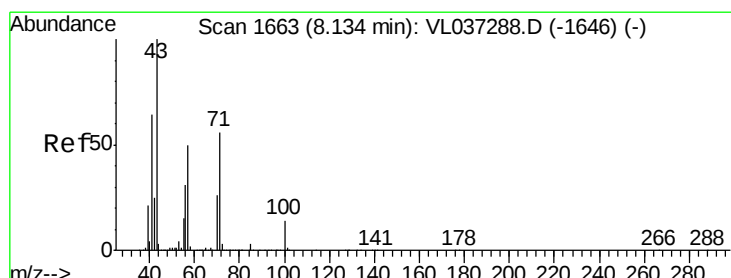
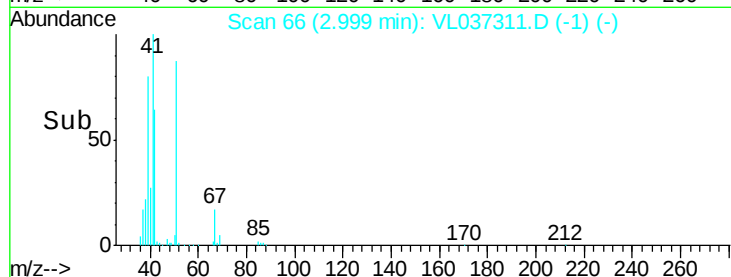
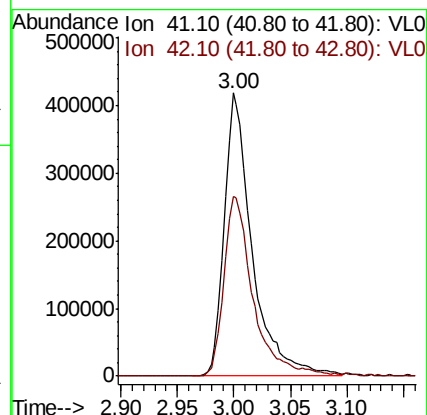
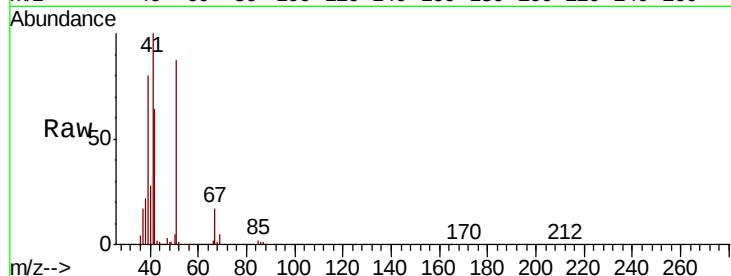
Ion Ratio Lower Upper

41 100

42 67.1 54.0 81.0

Manual Integrations
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#10

Heptane

Concen: 10.394 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037311.D

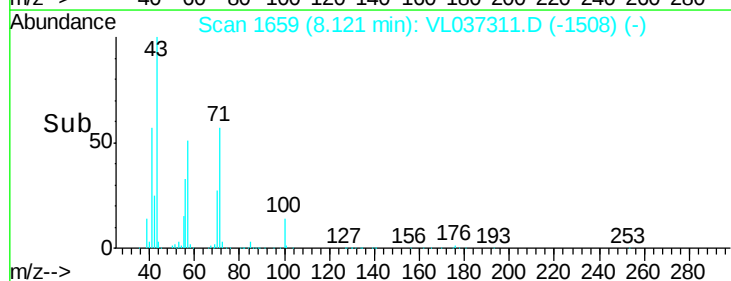
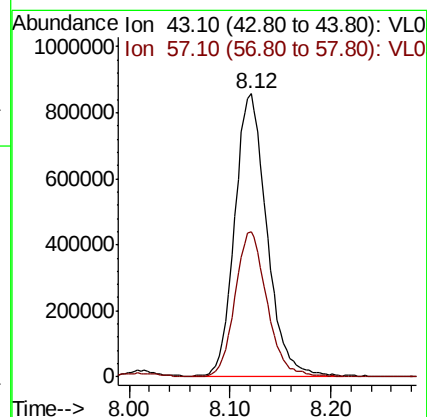
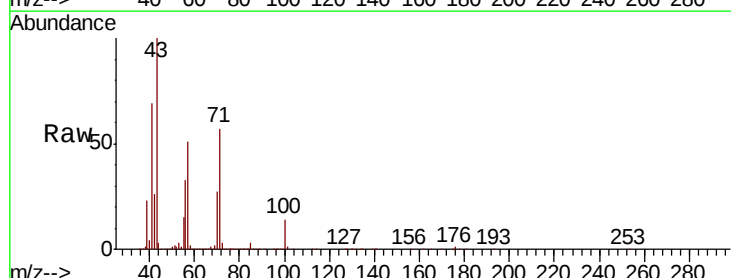
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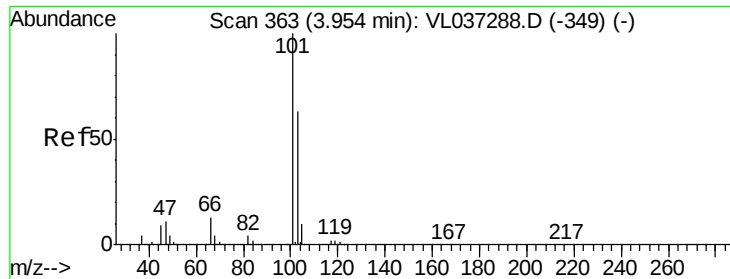
Tgt Ion: 43 Resp: 1880897

Ion Ratio Lower Upper

43 100

57 51.1 40.9 61.3





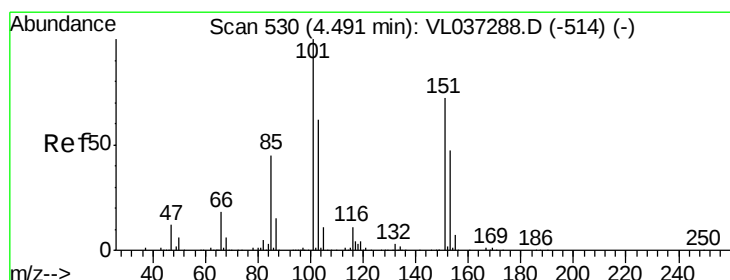
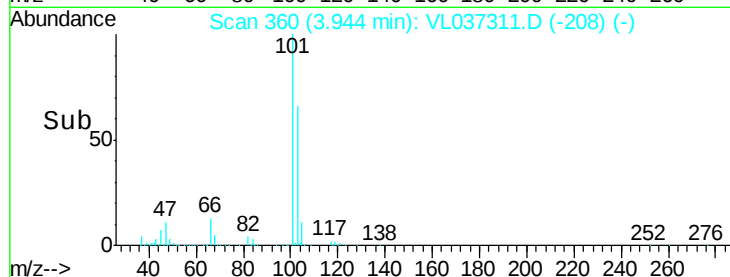
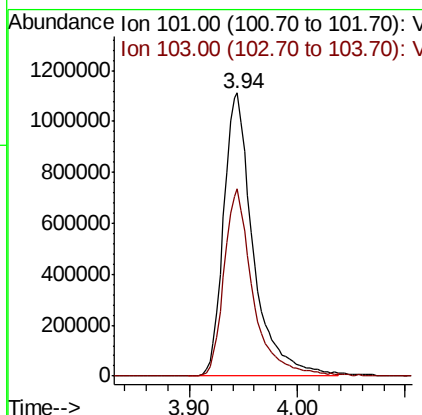
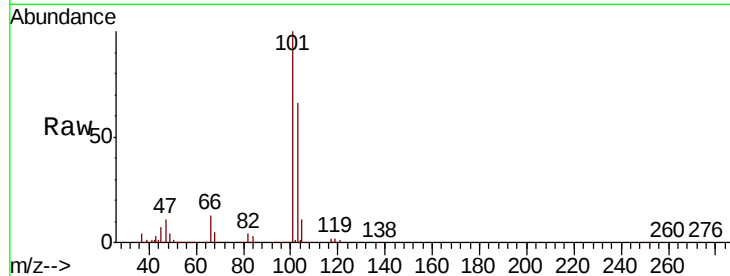
#11
 Trichlorofluoromethane
 Concen: 10.560 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2128954
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.6 75.8

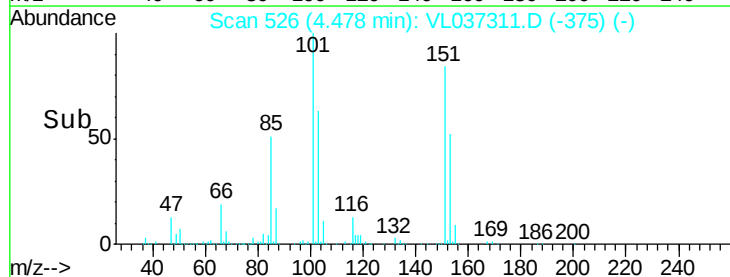
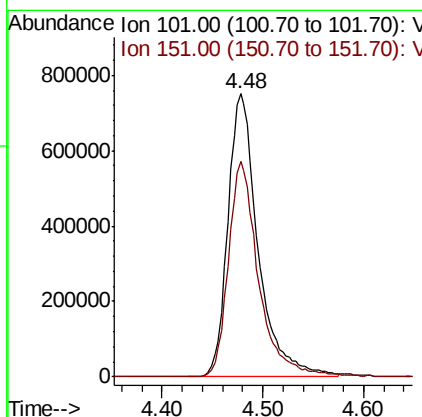
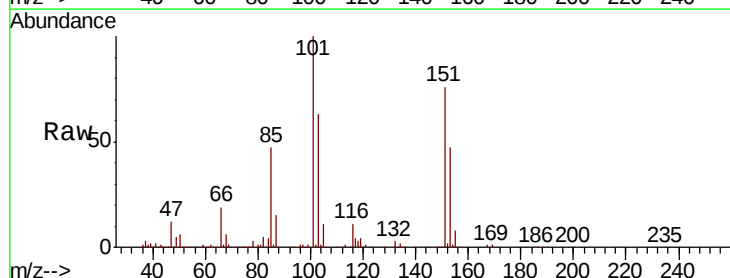
Manual Integrations
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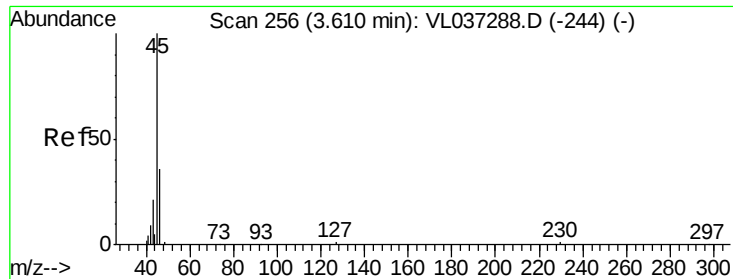
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.481 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion:101 Resp: 1571853
 Ion Ratio Lower Upper
 101 100
 151 76.3 61.4 92.0





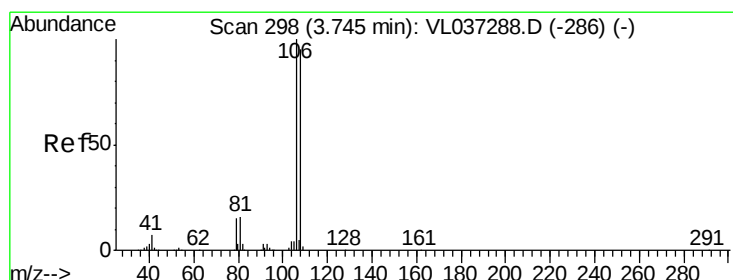
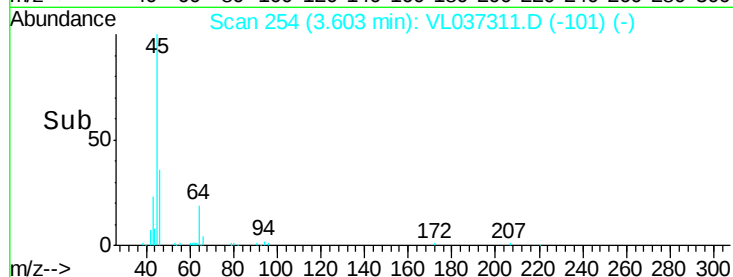
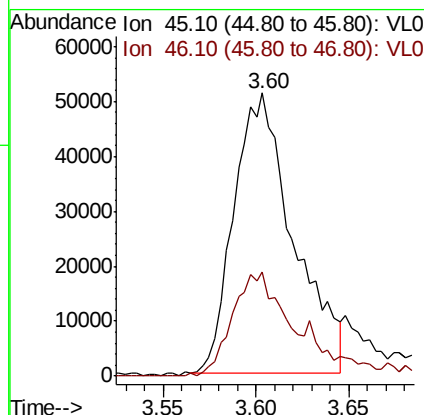
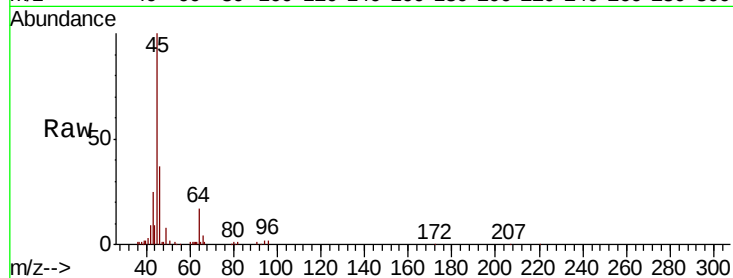
#13
Ethanol
Concen: 6.818 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	46	Ratio	Lower	Upper
113910	100	44.2		16.2	64.8

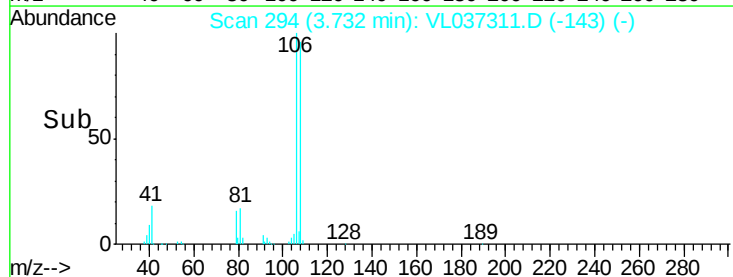
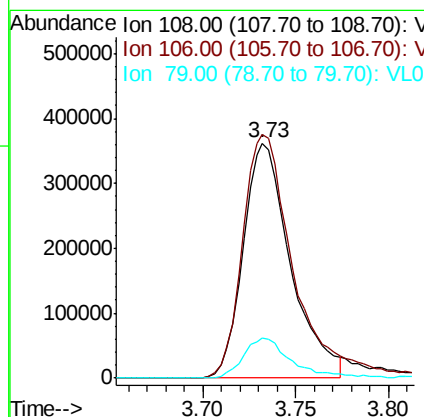
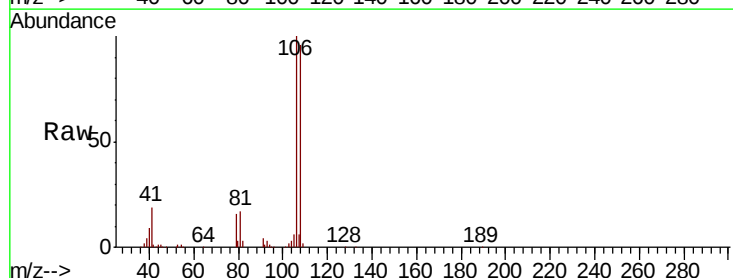
Manual Integrations
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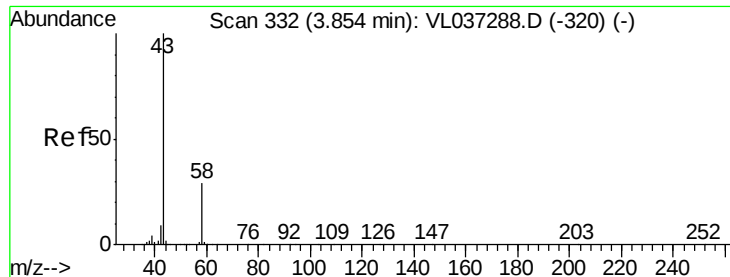
MMDadoda
8/2/2021 8:59:07 AM



#14
Bromoethene
Concen: 10.126 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	108	106	79	Ratio	Lower	Upper
641685	100	114.7	18.1		86.2	129.2
					13.3	19.9





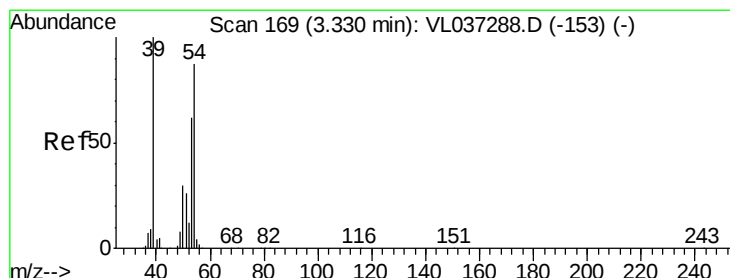
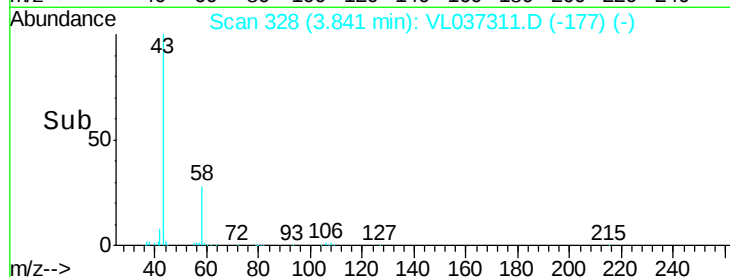
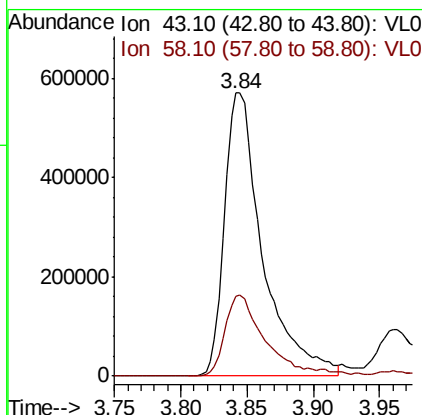
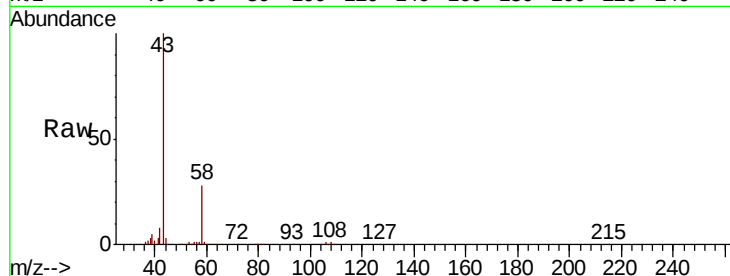
#15
Acetone
Concen: 5.606 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1138845
Ion Ratio Lower Upper
43 100
58 30.9 24.2 36.4

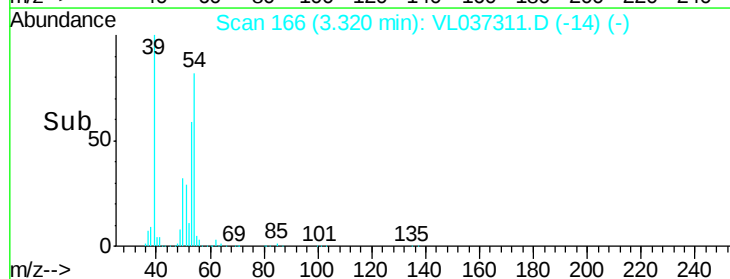
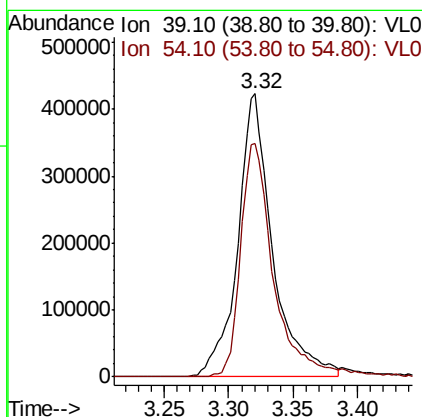
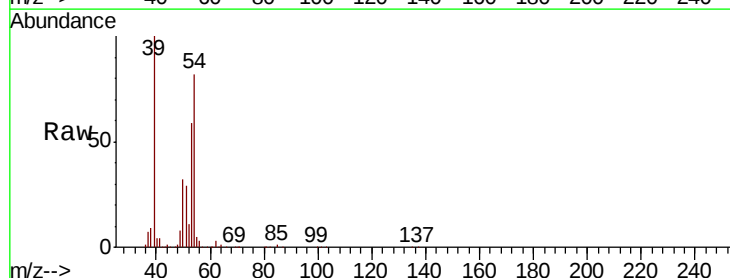
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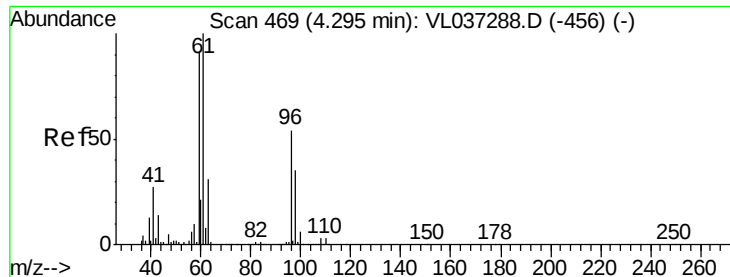
MMDadoda
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#16
1,3-Butadiene
Concen: 10.430 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion: 39 Resp: 794687
Ion Ratio Lower Upper
39 100
54 79.6 63.9 95.9





#17

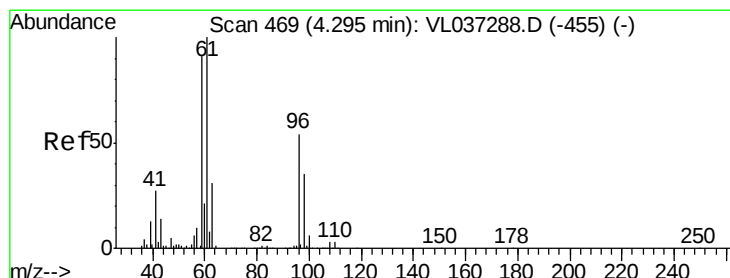
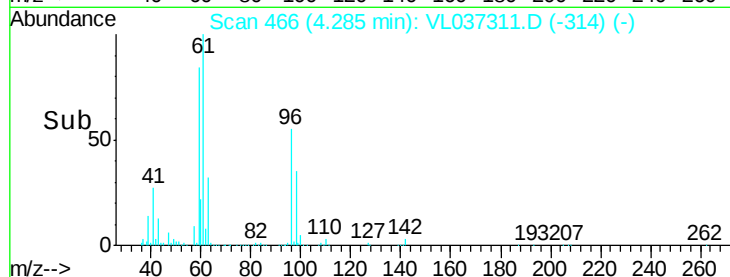
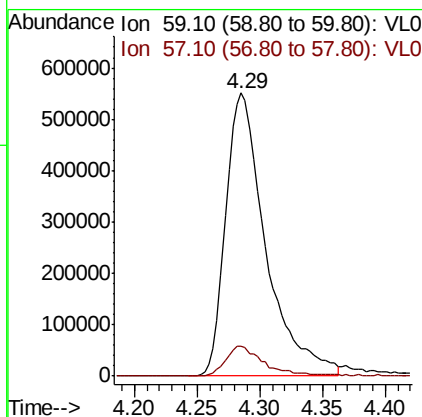
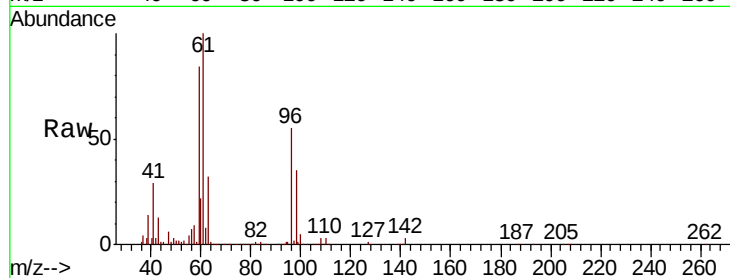
tert-Butyl alcohol
 Concen: 9.473 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1223542
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0

Manual Integrations
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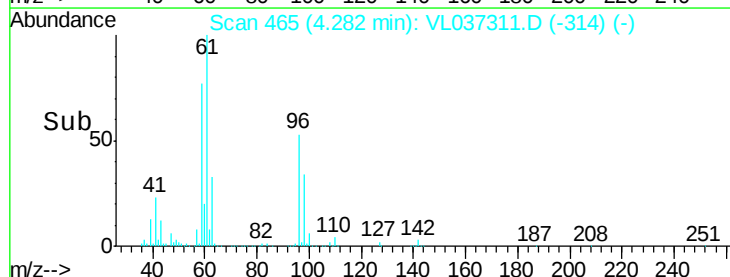
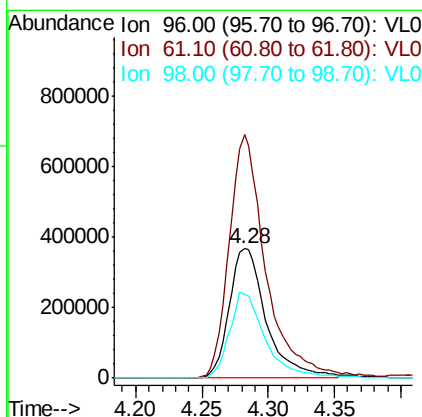
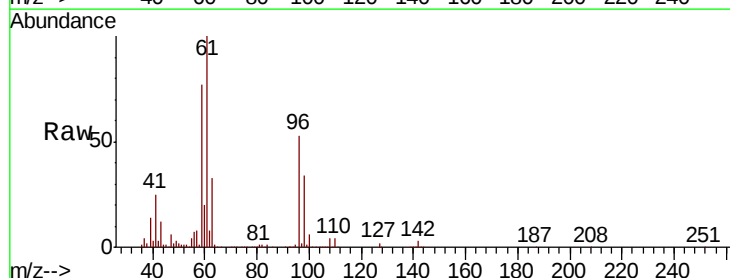
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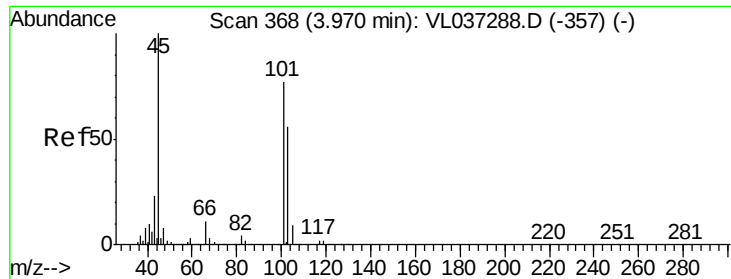


#18

1,1-Dichloroethene
 Concen: 10.862 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion: 96 Resp: 715912
 Ion Ratio Lower Upper
 96 100
 61 187.8 148.3 222.5
 98 64.1 51.4 77.0





#19

Isopropyl Alcohol

Concen: 9.625 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 756445

Ion Ratio Lower Upper

45 100

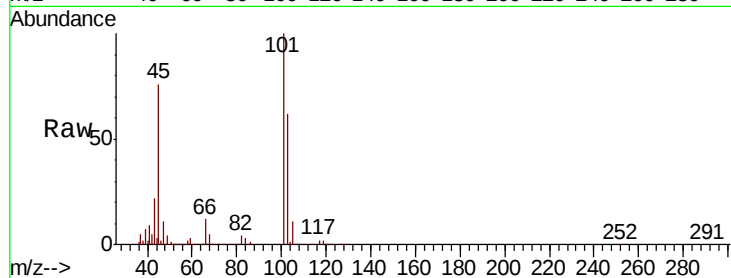
58 2.9 2.2 3.2

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

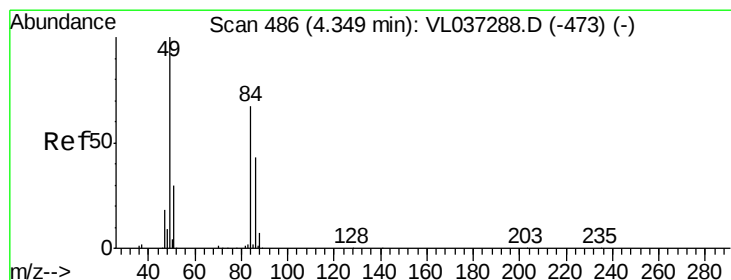
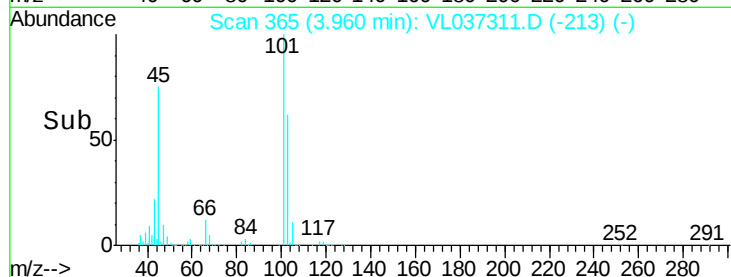
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.380 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Tgt Ion: 84 Resp: 737291

Ion Ratio Lower Upper

84 100

49 137.4 120.2 180.4

51 41.3 36.5 54.7

86 60.7 51.3 76.9

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

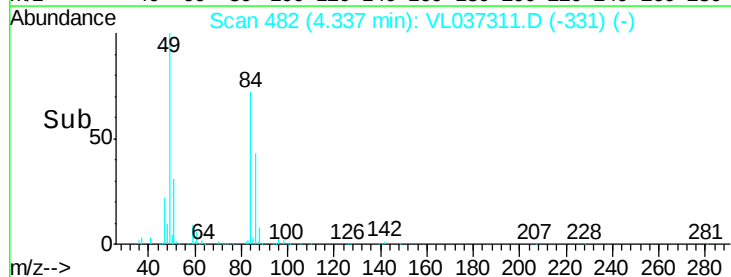
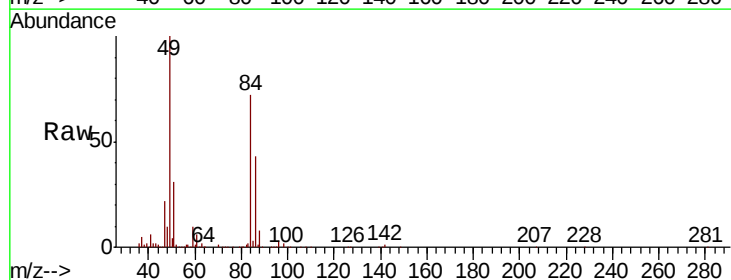
600000

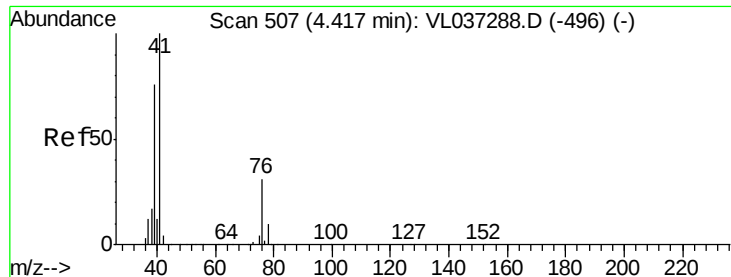
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 11.239 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 1016423

Ion Ratio Lower Upper

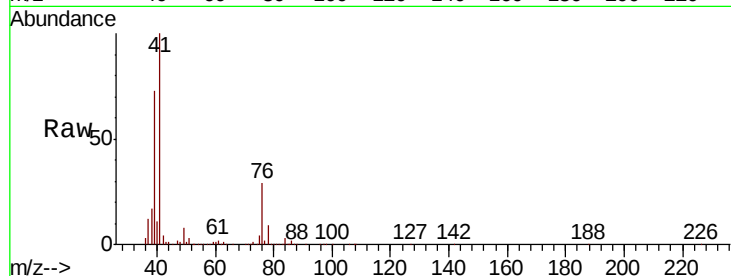
41 100

76 31.1 24.7 37.1

39 77.0 64.5 96.7

Manual Integrations
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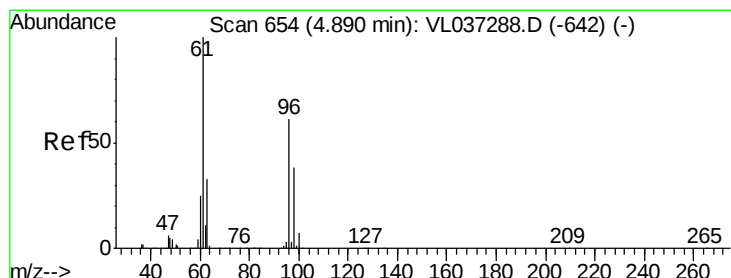
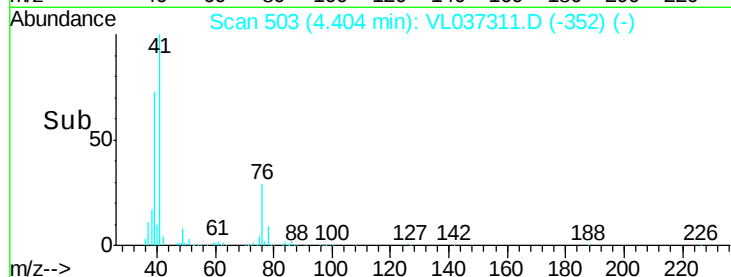
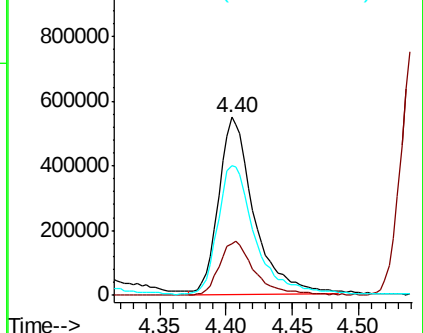


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.269 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

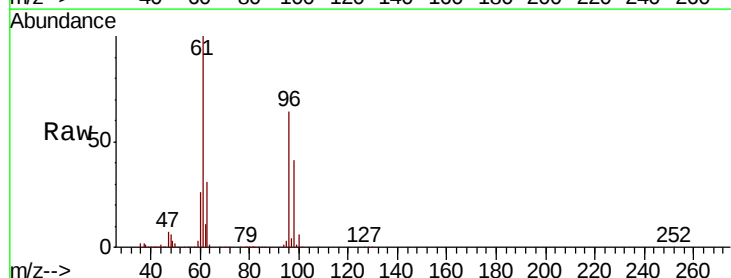
Tgt Ion: 96 Resp: 708928

Ion Ratio Lower Upper

96 100

61 156.9 131.1 196.7

98 64.9 49.9 74.9

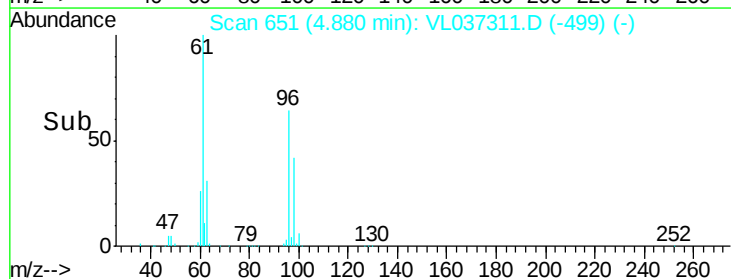
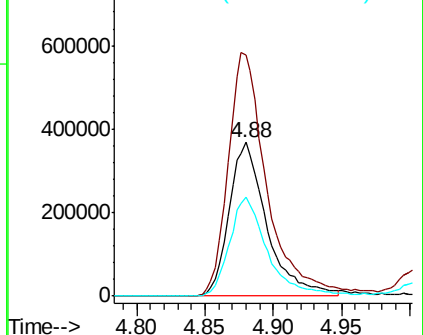


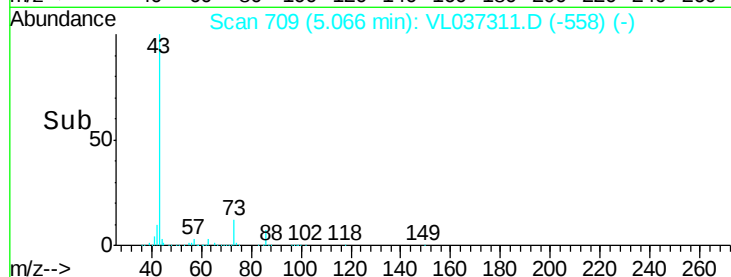
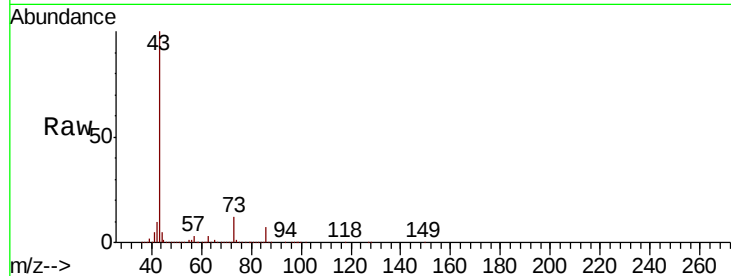
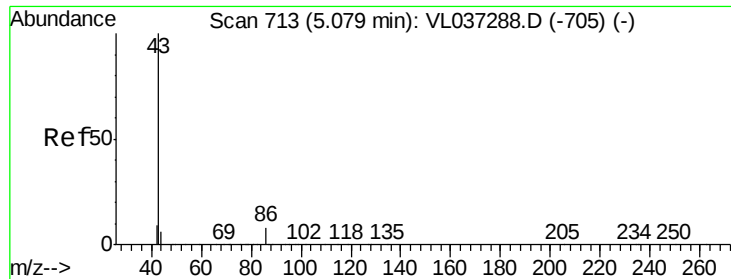
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.281 ppbv

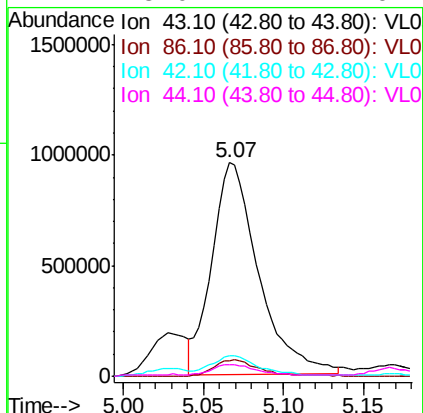
RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.4	5.7	8.5	
42	9.4	8.1	12.1	
44	5.0	4.1	6.1	



Instrument :

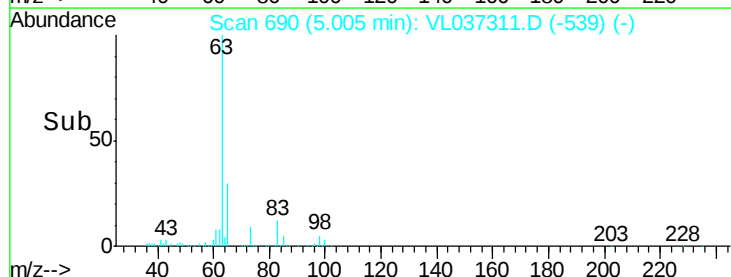
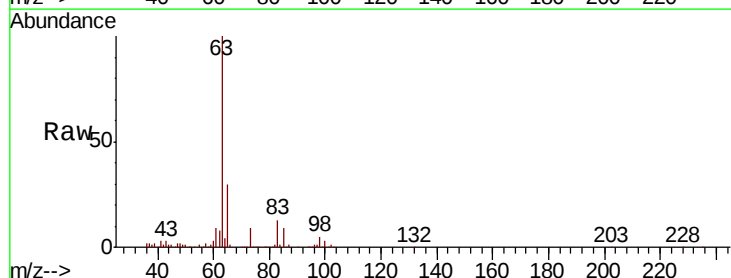
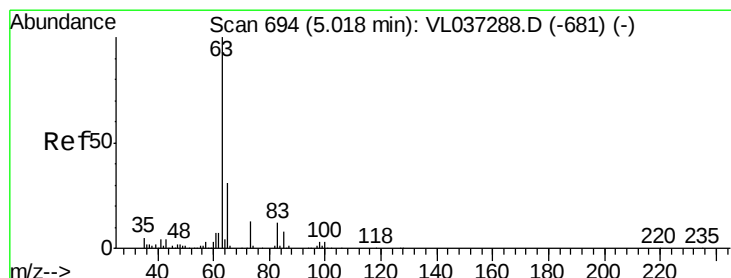
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 11.323 ppbv

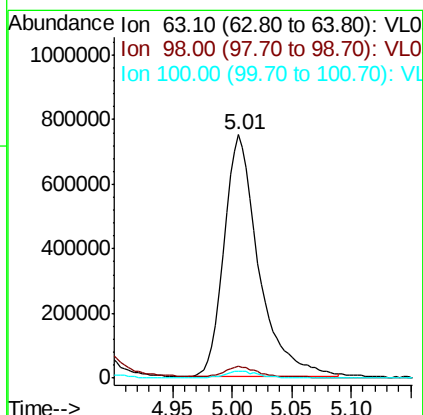
RT: 5.01 min Scan# 690

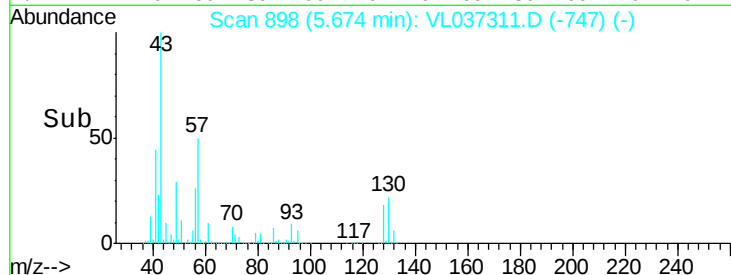
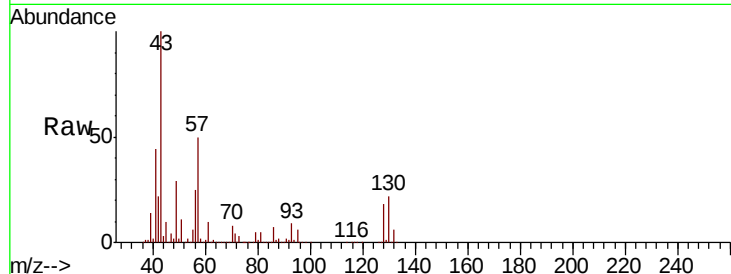
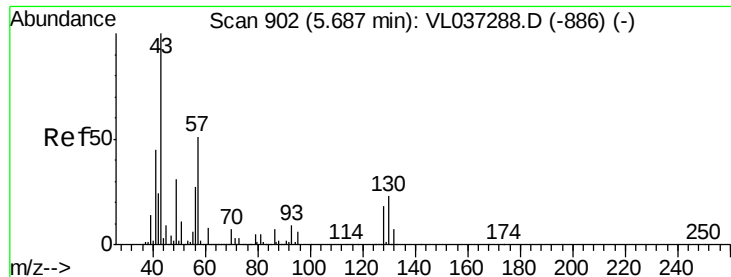
Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

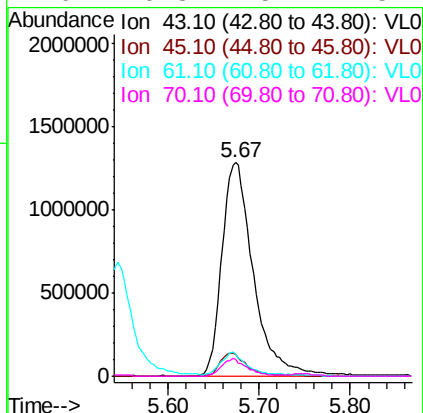
Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.7	2.0	5.8	
100	2.8	1.4	4.2	





#25
Ethyl Acetate
Concen: 10.416 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

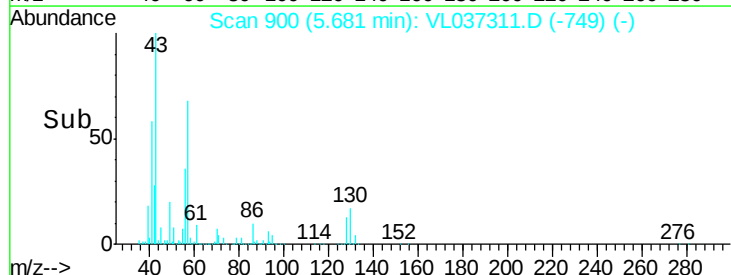
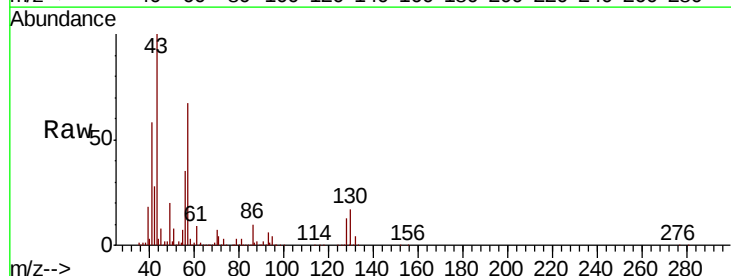
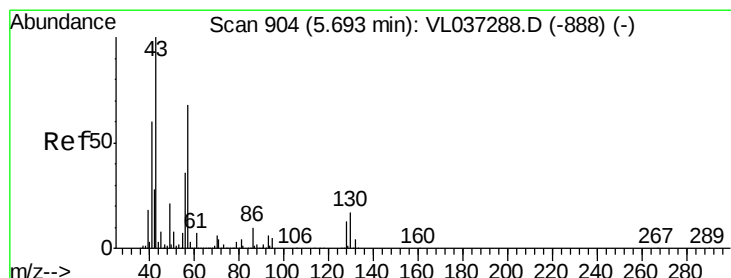
Tot Ion	43	Resp	3069681
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.4	11.2
61	10.0	7.8	11.6
70	6.8	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

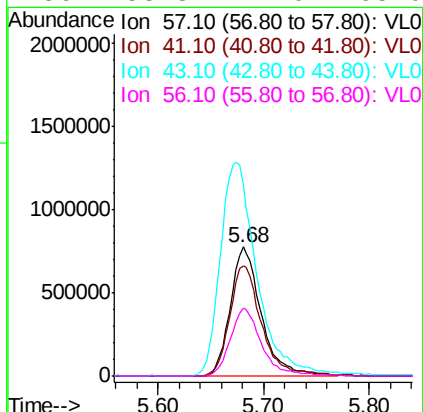
Manual Integrations
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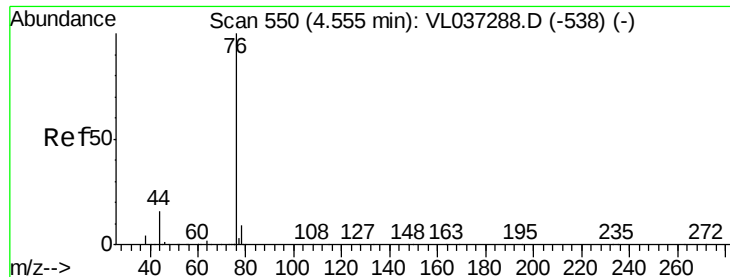
MMDadoda
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#26
Hexane
Concen: 9.976 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	57	Resp	1571281
Ion	Ratio	Lower	Upper
57	100		
41	88.8	71.0	106.6
43	197.6	155.0	232.4
56	53.3	42.0	63.0





#27

Carbon Disulfide

Concen: 12.218 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1585260

Ion Ratio Lower Upper

76 100

44 17.7 14.1 21.1

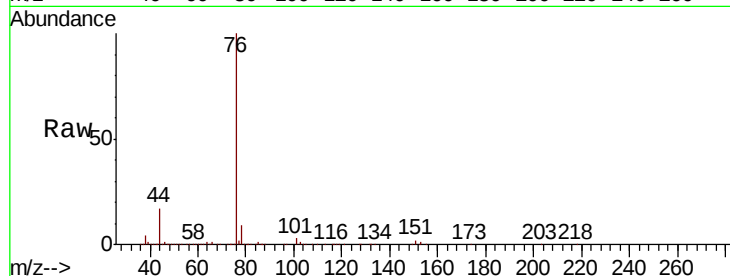
78 9.7 8.0 12.0

Manual Integrations

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MMDadoda

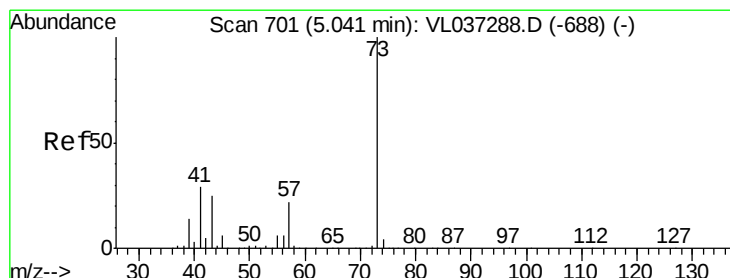
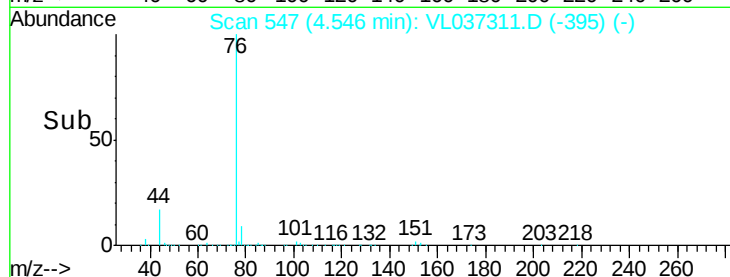
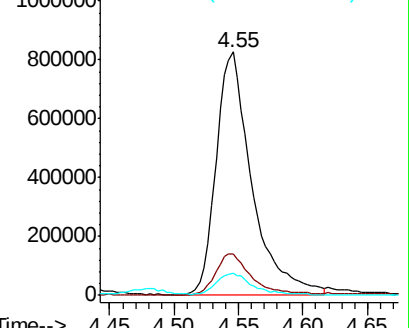
8/2/2021 8:59:07 AM



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: 11.189 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL037311.D

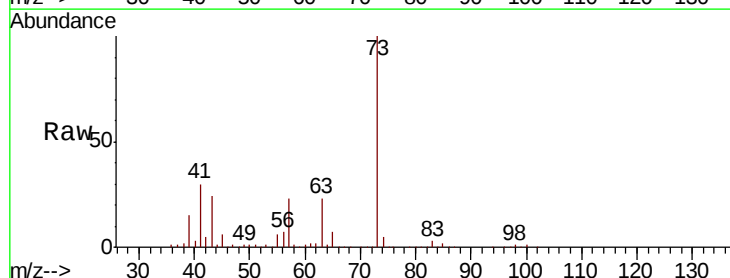
Acq: 31 Jul 2021 9:55

Tgt Ion: 73 Resp: 1702421

Ion Ratio Lower Upper

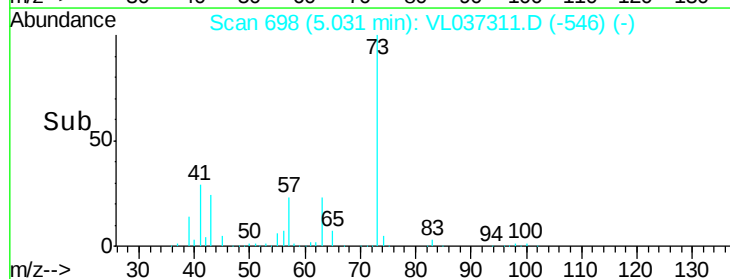
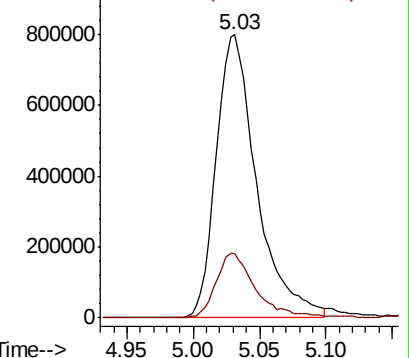
73 100

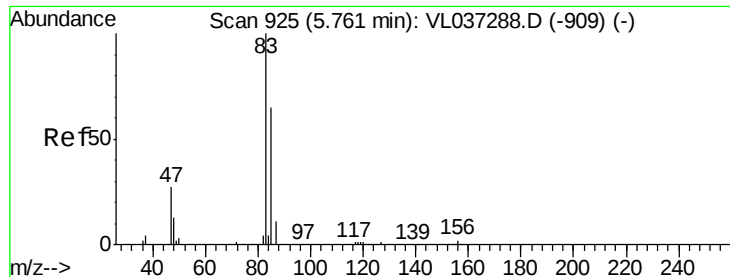
57 22.6 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





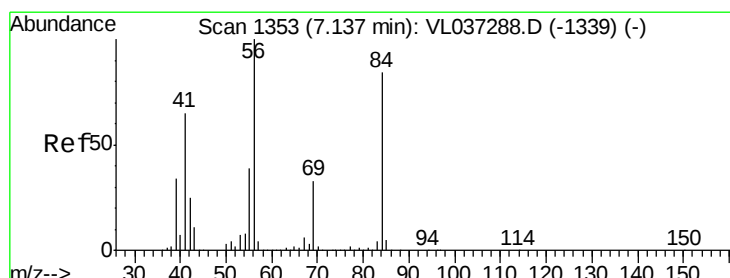
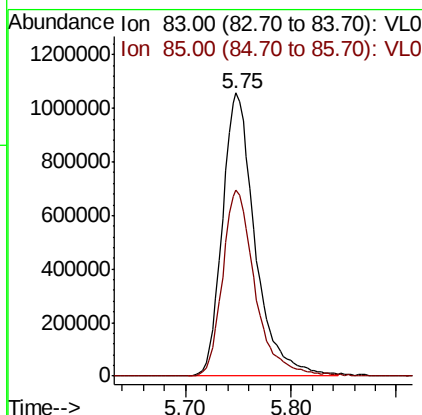
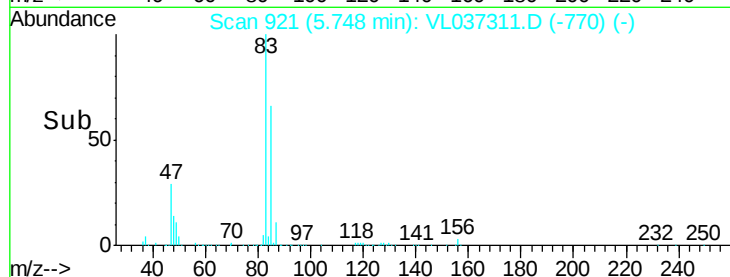
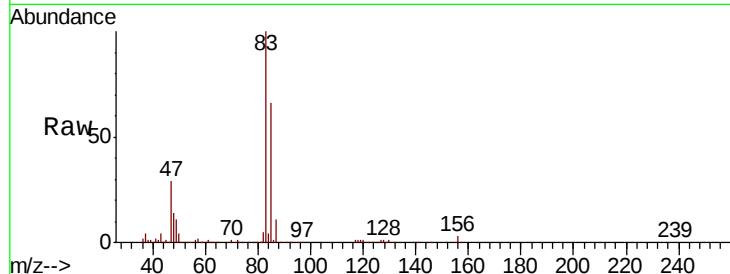
#29
Chloroform
Concen: 10.044 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2267032
Ion Ratio Lower Upper
83 100
85 65.3 51.9 77.9

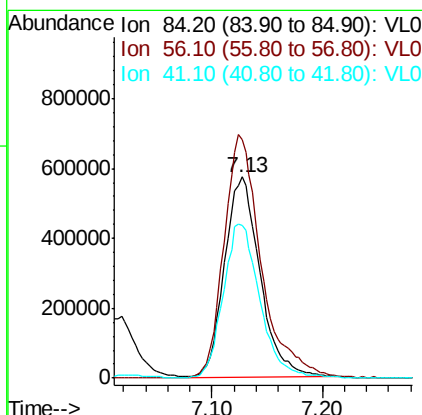
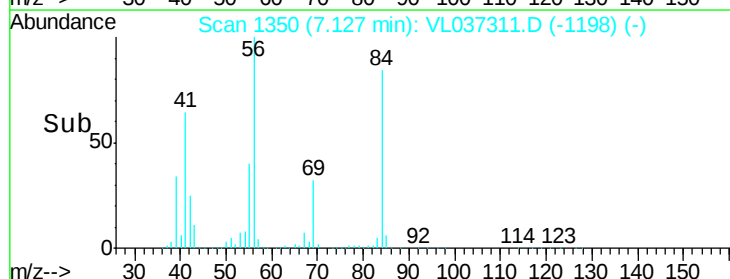
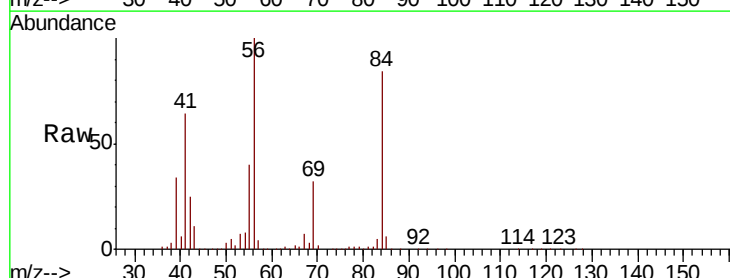
Manual Integrations
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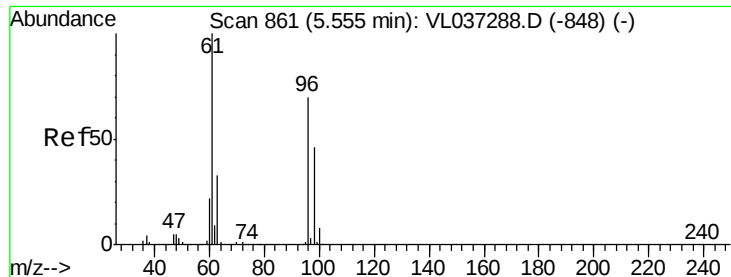
MMDadoda
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#30
Cyclohexane
Concen: 10.392 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion: 84 Resp: 1279921
Ion Ratio Lower Upper
84 100
56 128.7 104.1 156.1
41 79.5 64.7 97.1





#31

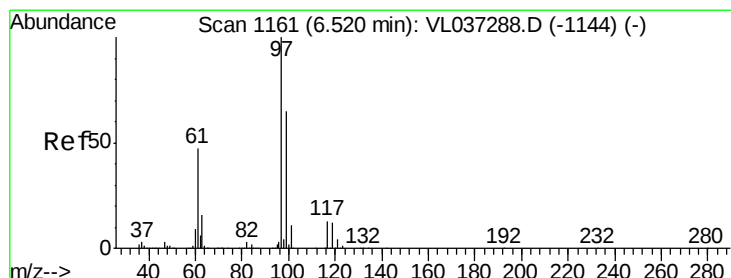
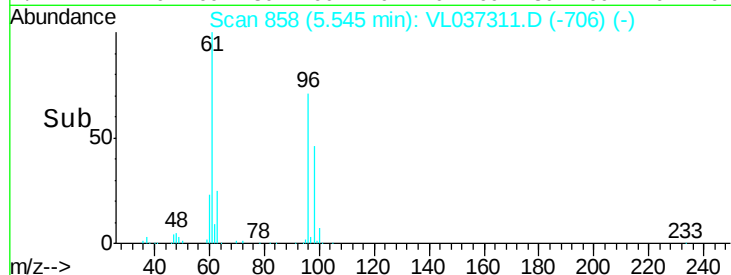
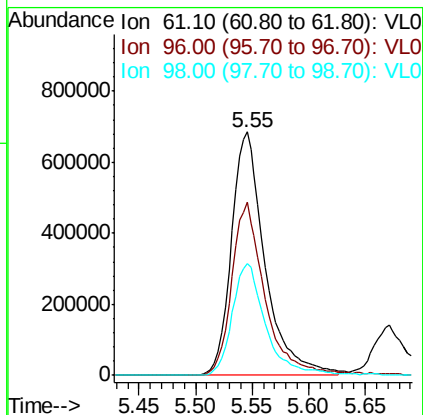
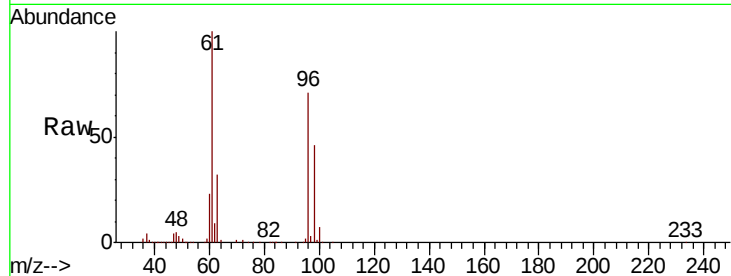
cis-1,2-Dichloroethene
Concen: 10.555 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.0	55.9	83.9
98	45.7	37.1	55.7

Manual Integrations
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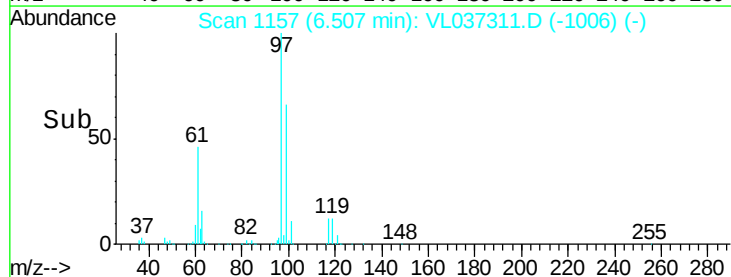
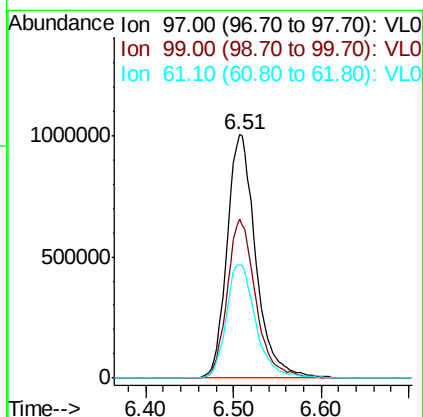
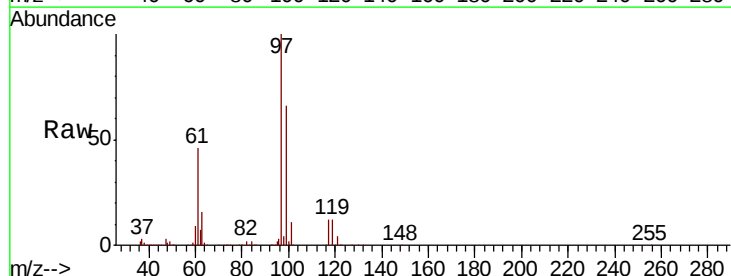
MMDadoda
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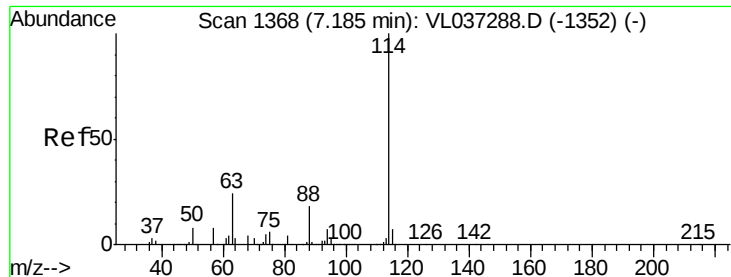


#32

1,1,1-Trichloroethane
Concen: 10.190 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.5	78.7
61	48.1	38.2	57.4





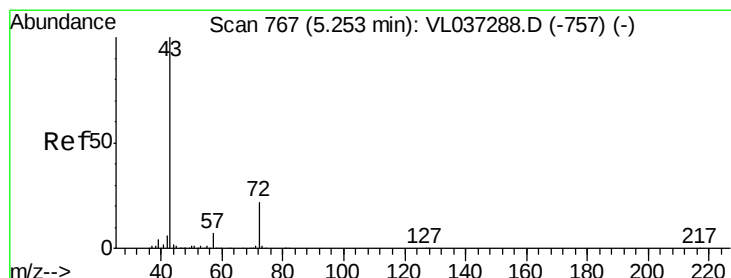
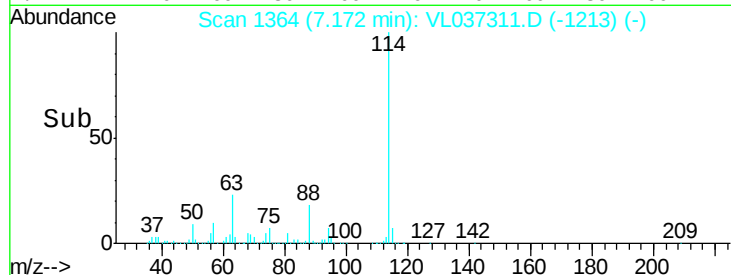
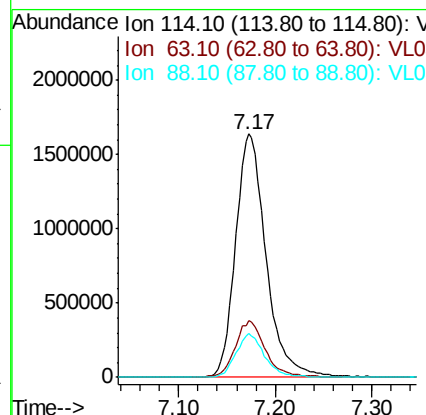
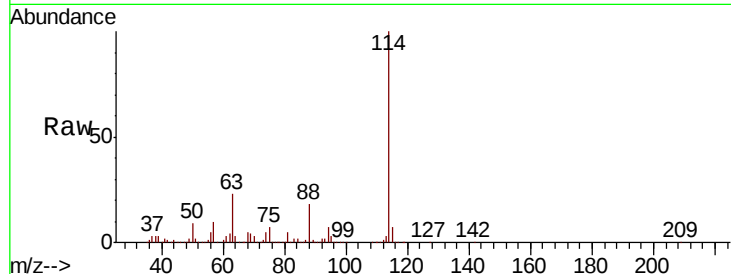
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	19.0	28.4
88	17.2	14.0	21.0

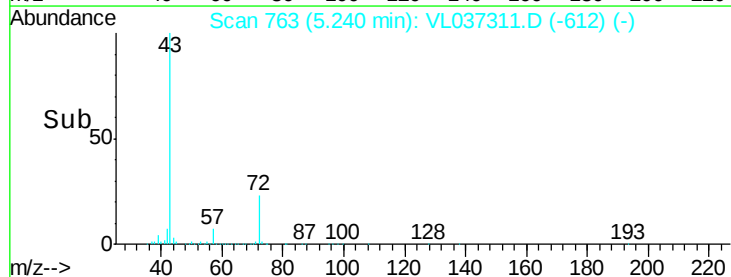
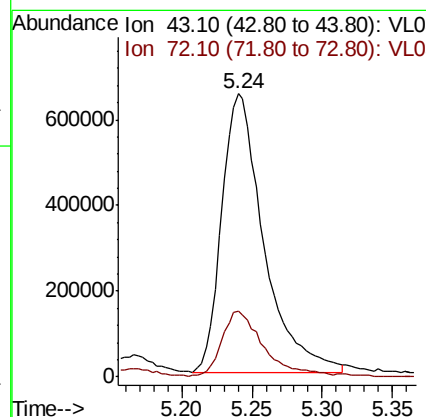
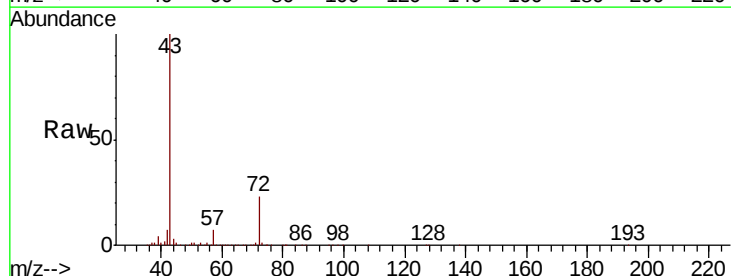
Manual Integrations
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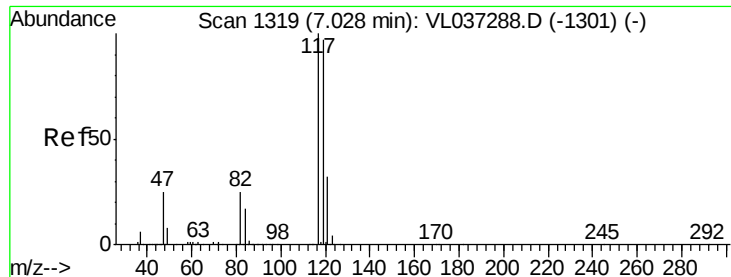
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#34
 2-Butanone
 Concen: 8.752 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.5	27.7





#35

Carbon Tetrachloride

Concen: 10.694 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2426628

Ion Ratio Lower Upper

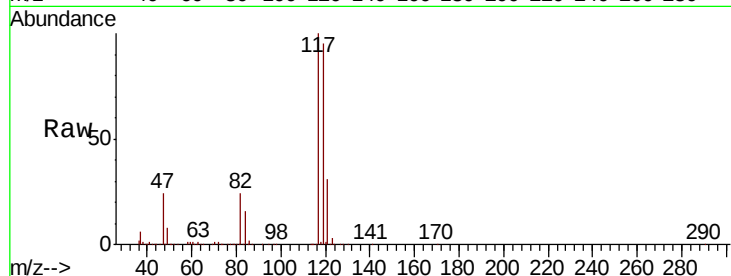
117 100

119 95.0 77.4 116.2

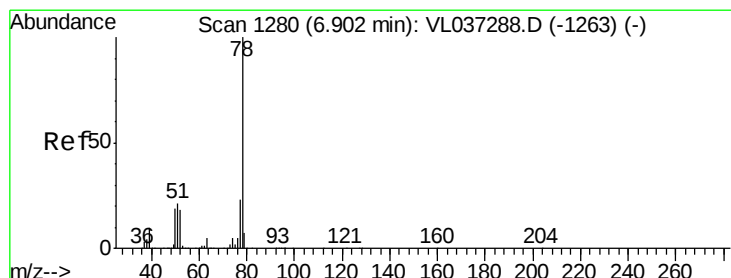
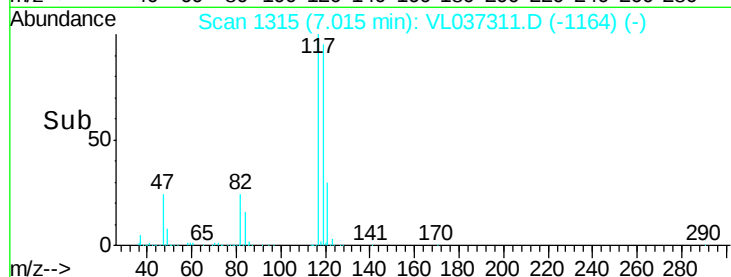
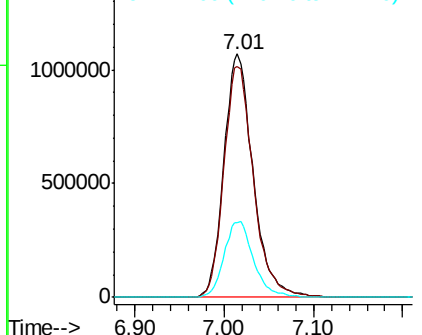
121 30.6 25.8 38.8

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



#36

Benzene

Concen: 10.027 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

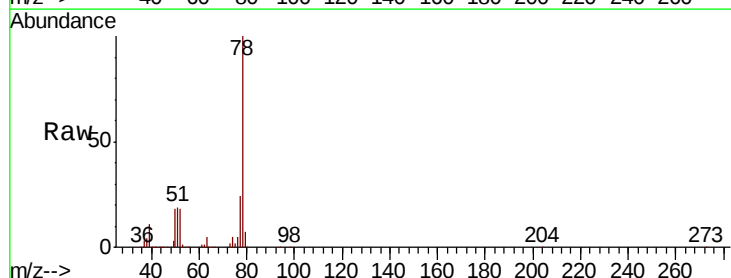
Tgt Ion: 78 Resp: 3039635

Ion Ratio Lower Upper

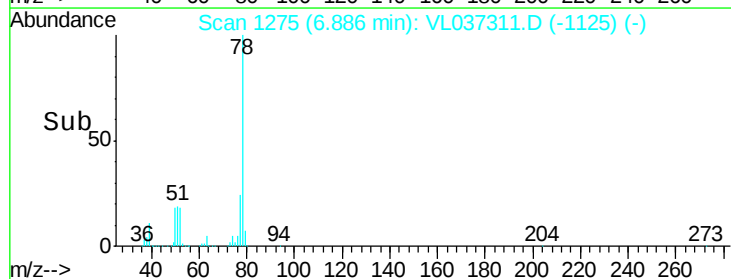
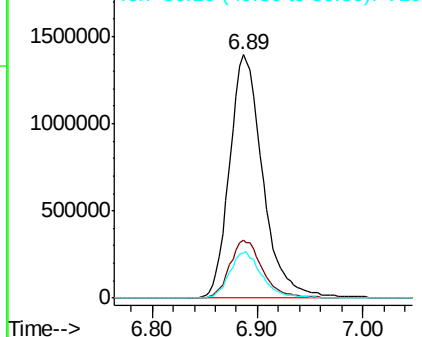
78 100

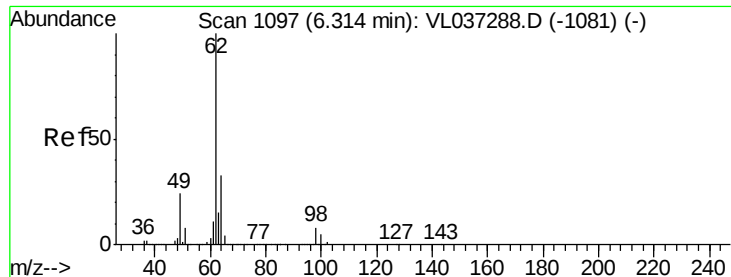
77 23.8 18.3 27.5

50 18.4 15.5 23.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





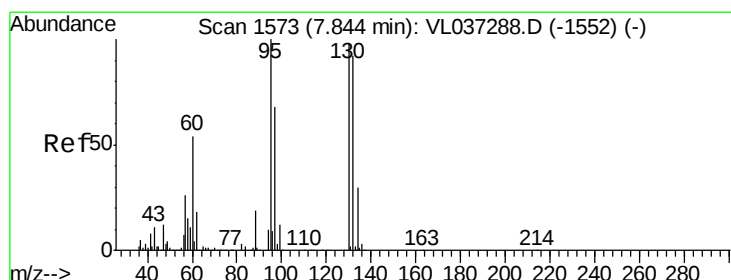
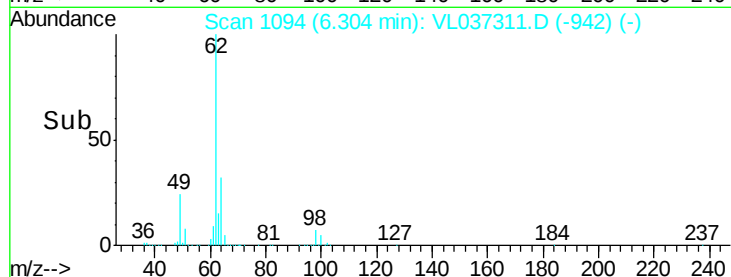
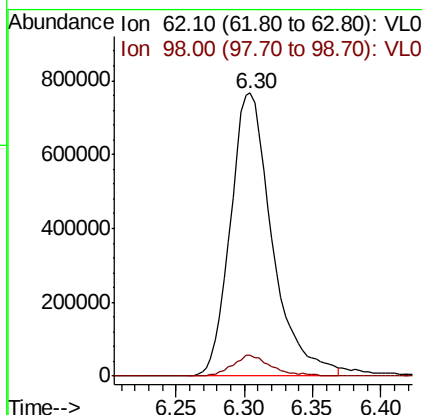
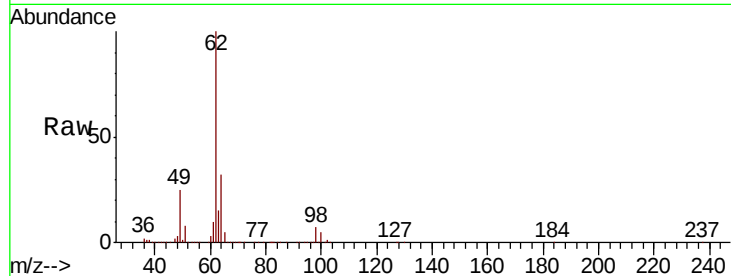
#37
1,2-Dichloroethane
Concen: 10.317 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1629233
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6

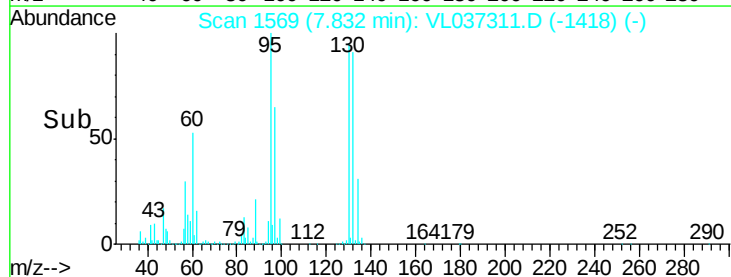
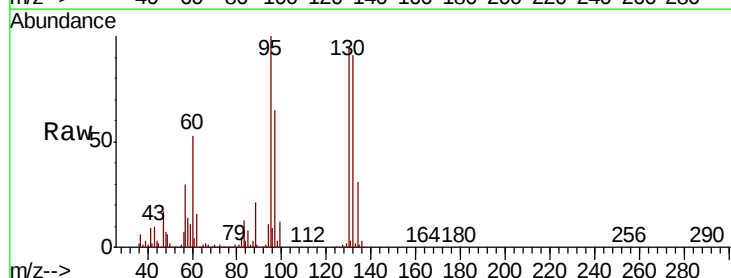
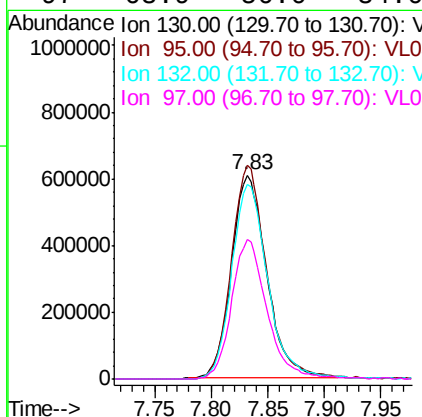
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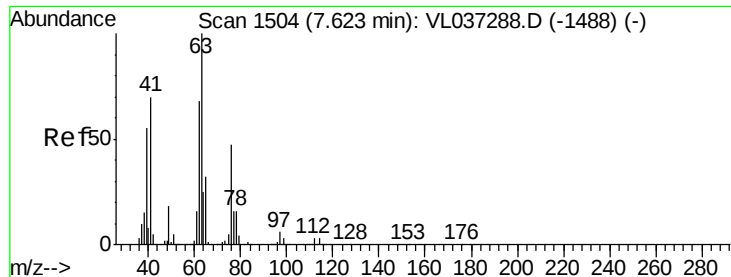
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#38
Trichloroethene
Concen: 9.634 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion: 130 Resp: 1317921
Ion Ratio Lower Upper
130 100
95 105.4 82.0 123.0
132 95.6 75.0 112.6
97 68.9 56.0 84.0





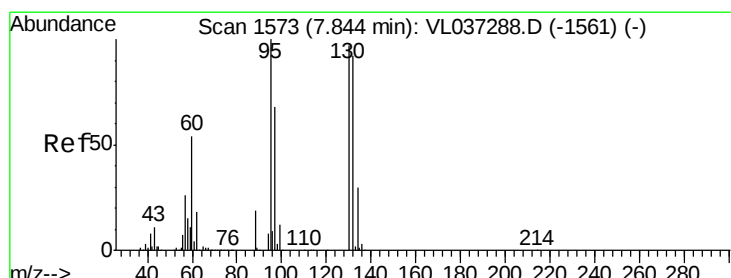
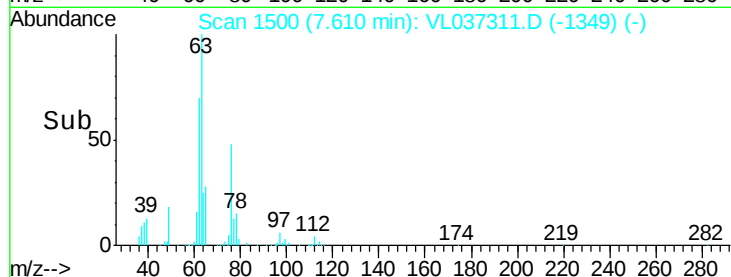
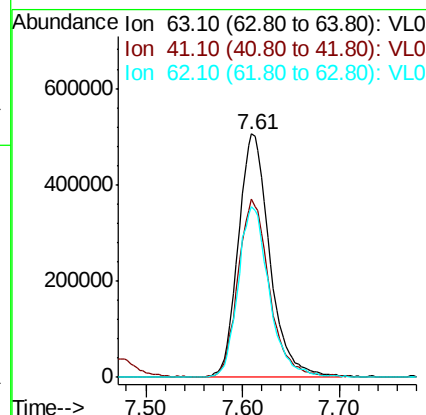
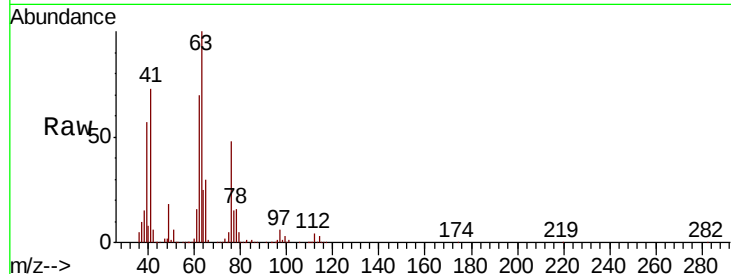
#39
 1,2-Dichloropropane
 Concen: 10.017 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.1	56.4	84.6
62	69.8	54.6	82.0

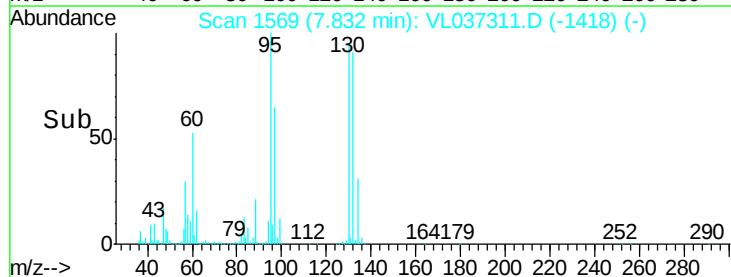
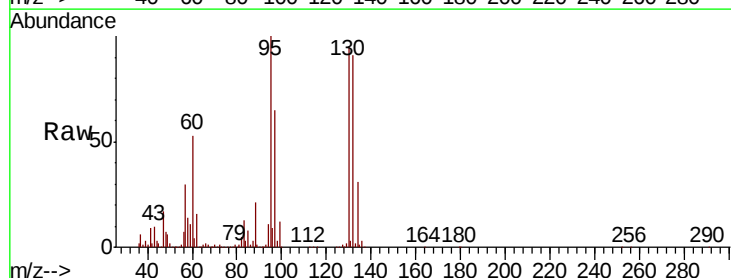
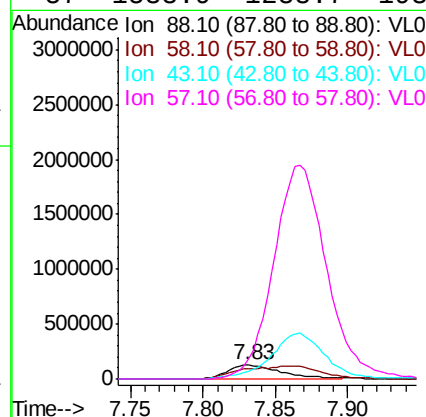
Manual Integrations
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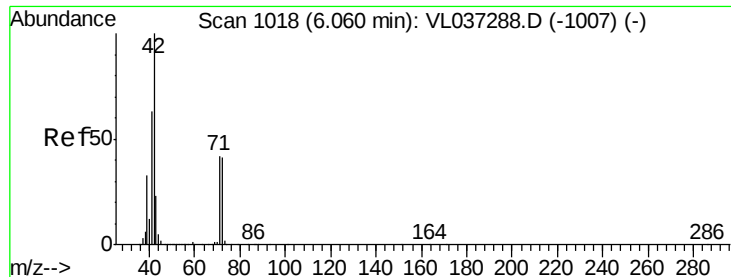
MMDadoda
 8/2/2021 8:59:07 AM



#40
 1,4-Dioxane
 Concen: 9.896 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	143.4	119.2	178.8
43	339.9	282.2	423.2
57	1538.9	1288.7	1933.1





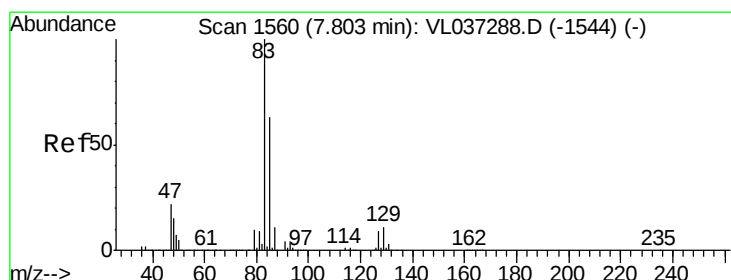
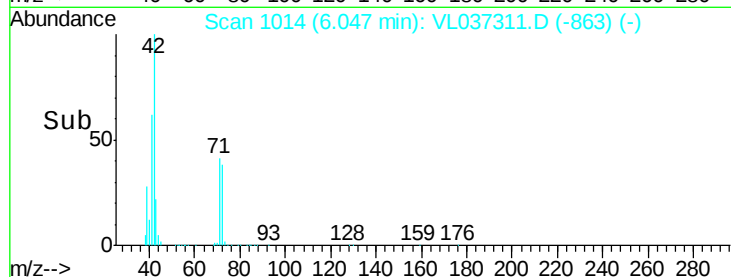
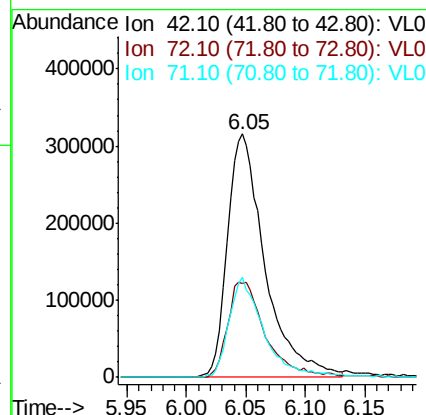
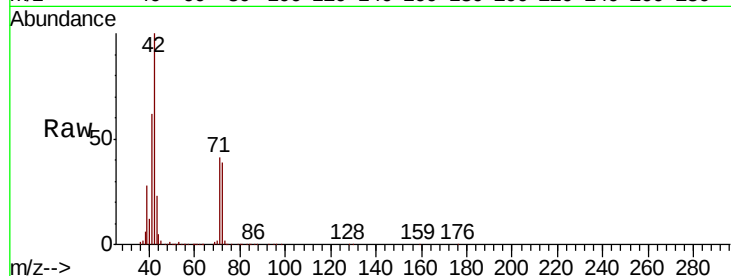
#41
Tetrahydrofuran
Concen: 11.180 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.0	49.6
71	38.9	32.7	49.1

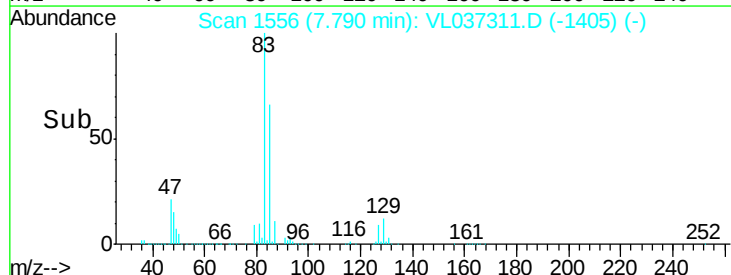
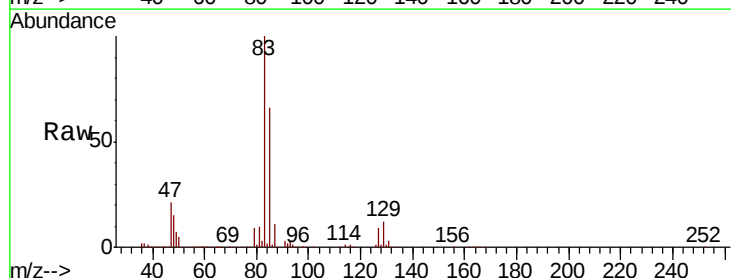
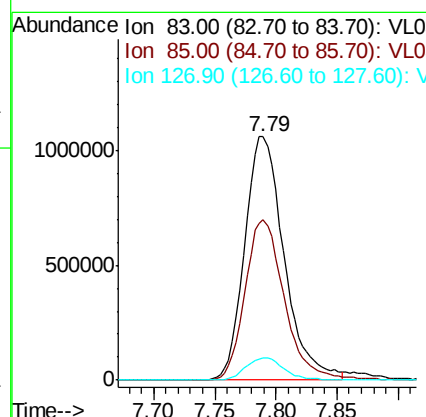
Manual Integrations
APPROVED

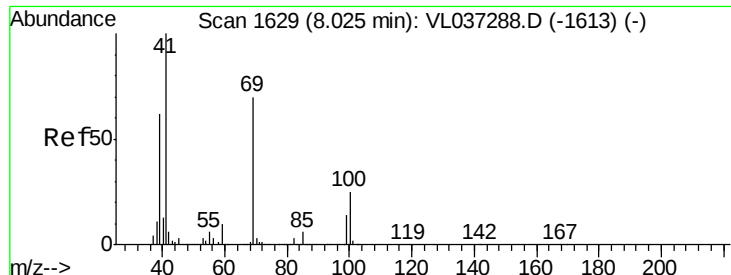
MMDadoda
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#42
Bromodichloromethane
Concen: 10.764 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	9.1	7.0	10.6





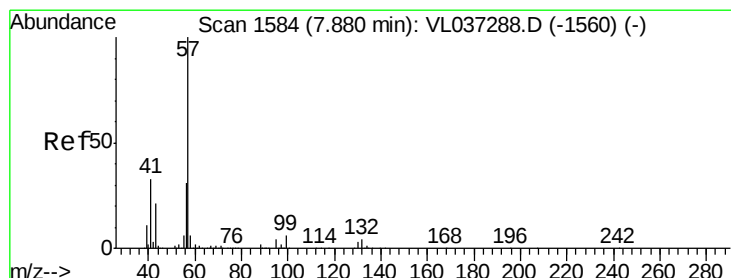
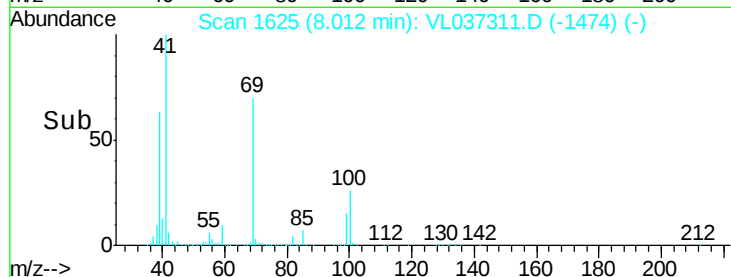
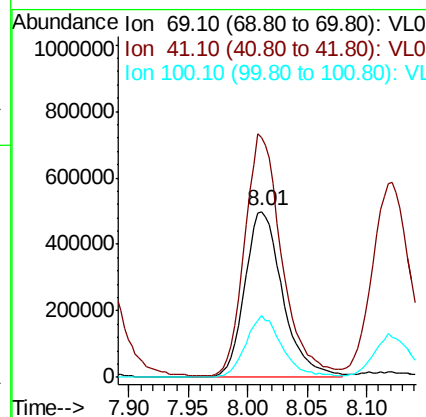
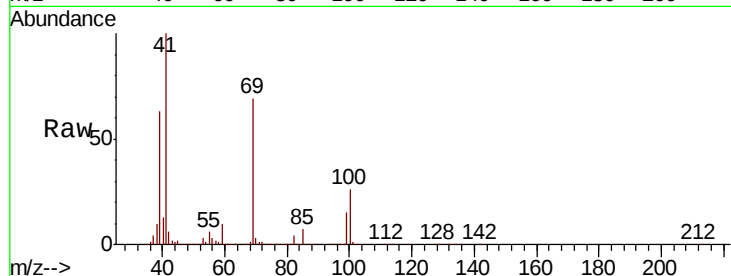
#43
Methyl Methacrylate
Concen: 10.904 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1098746
Ion Ratio Lower Upper
69 100
41 144.9 116.5 174.7
100 35.8 28.7 43.1

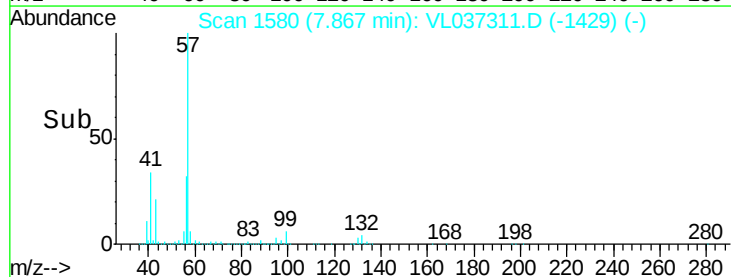
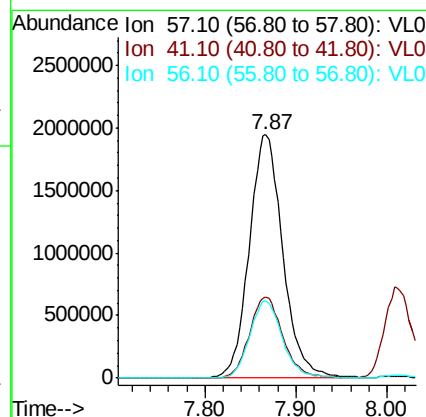
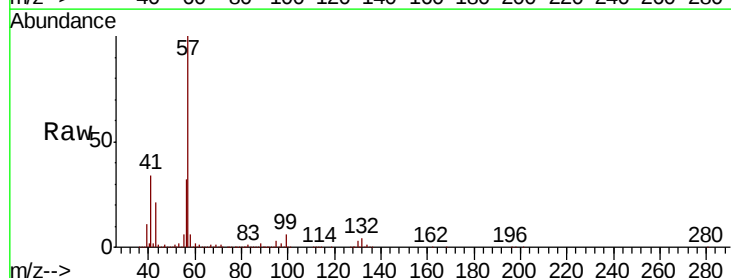
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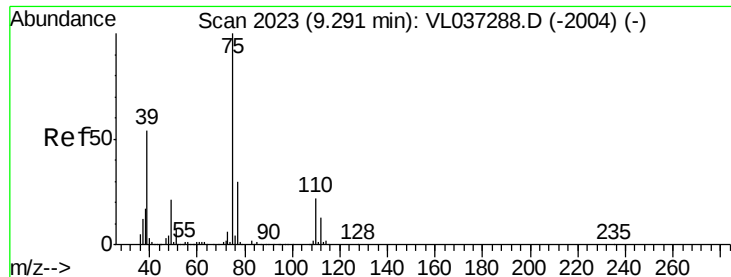
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#44
2,2,4-Trimethylpentane
Concen: 10.049 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion: 57 Resp: 4979979
Ion Ratio Lower Upper
57 100
41 33.2 26.6 40.0
56 31.1 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.129 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.02 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1024203

Ion Ratio Lower Upper

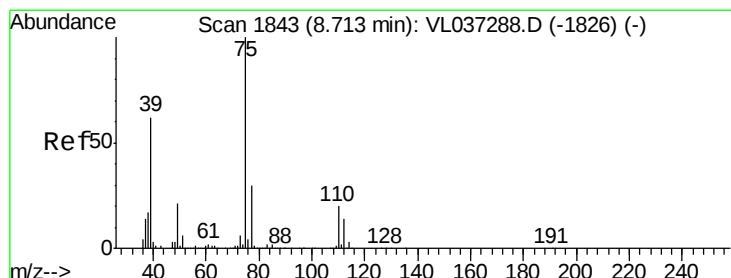
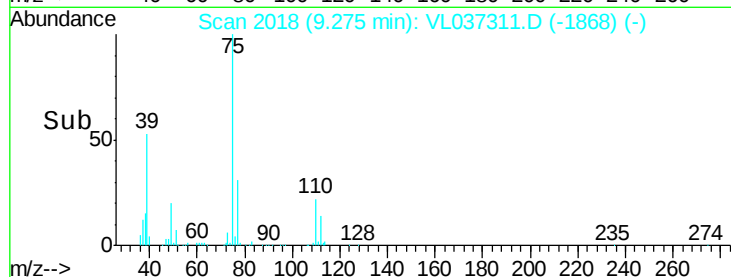
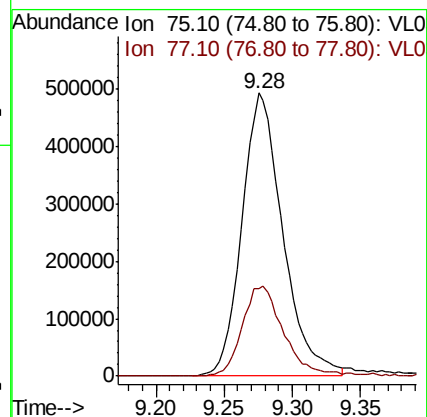
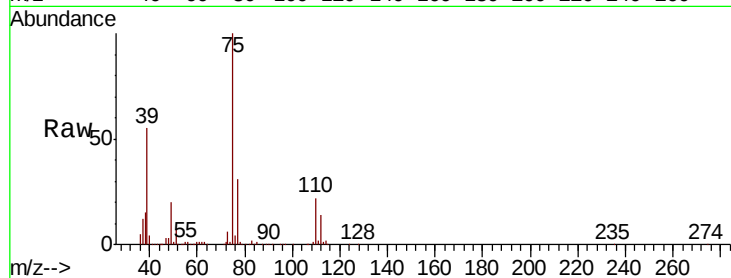
75 100

77 31.0 24.3 36.5

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#46

cis-1,3-Dichloropropene

Concen: 11.700 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

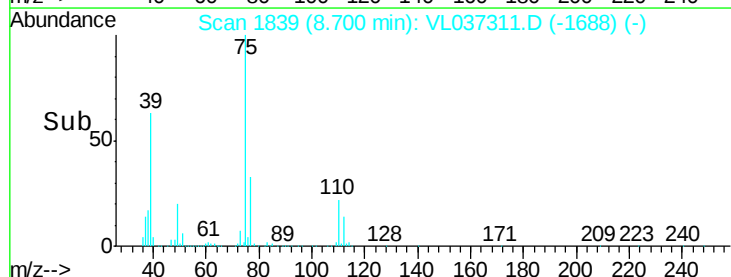
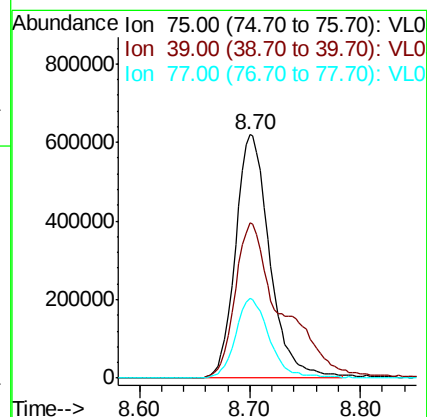
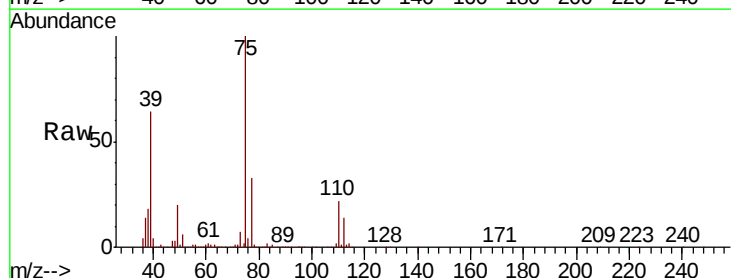
Tgt Ion: 75 Resp: 1332558

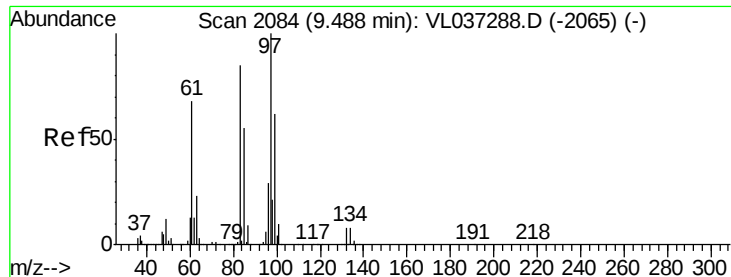
Ion Ratio Lower Upper

75 100

39 63.5 49.8 74.6

77 33.0 24.3 36.5





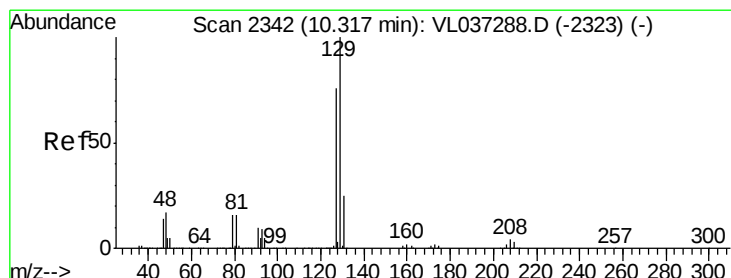
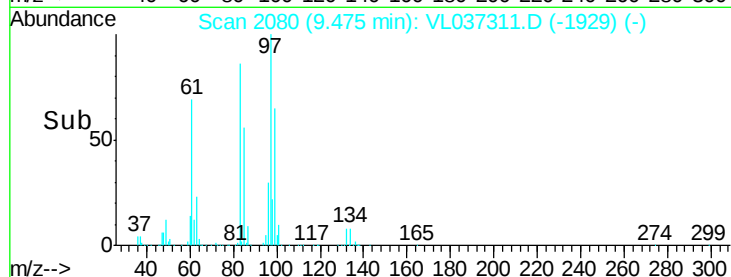
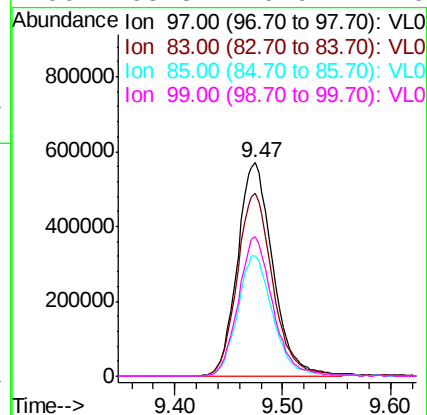
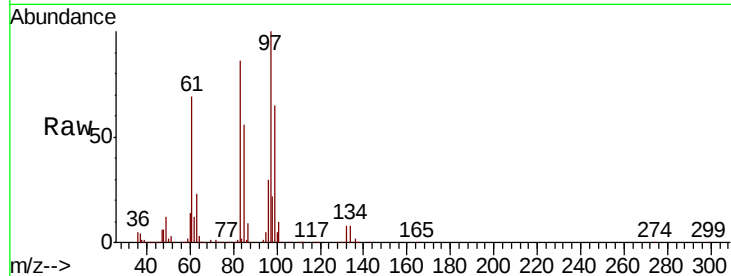
#47
 1,1,2-Trichloroethane
 Concen: 10.210 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.7	101.5
85	56.1	43.8	65.6
99	65.3	49.9	74.9

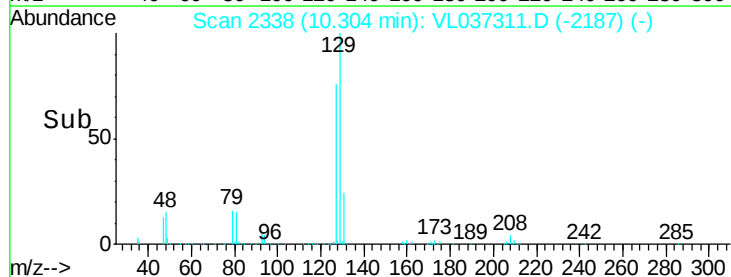
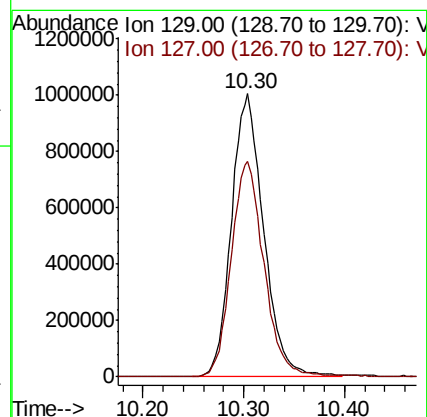
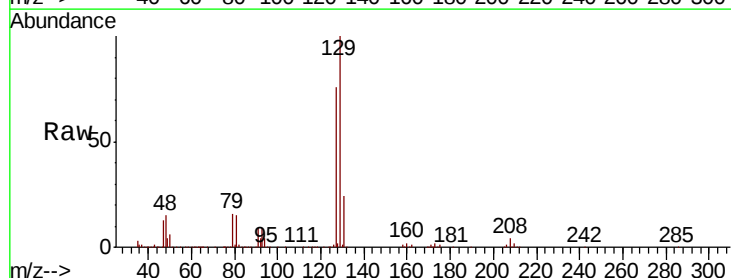
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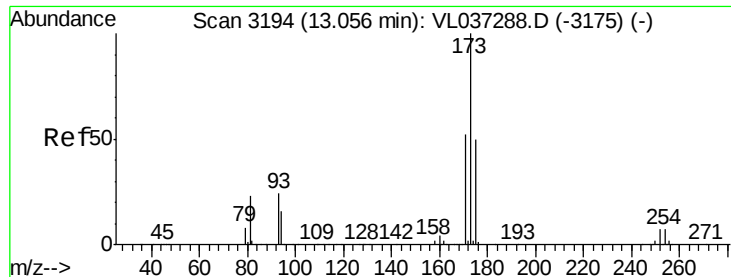
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#48
 Dibromochloromethane
 Concen: 11.407 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.3





#49

Bromoform

Concen: 12.232 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.02 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1860558

Ion Ratio Lower Upper

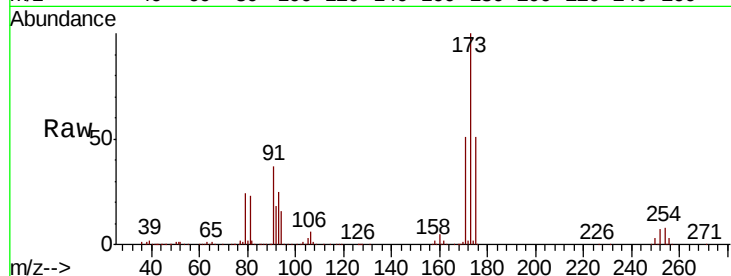
173 100

175 51.1 40.4 60.6

171 53.7 43.3 64.9

Manual Integrations
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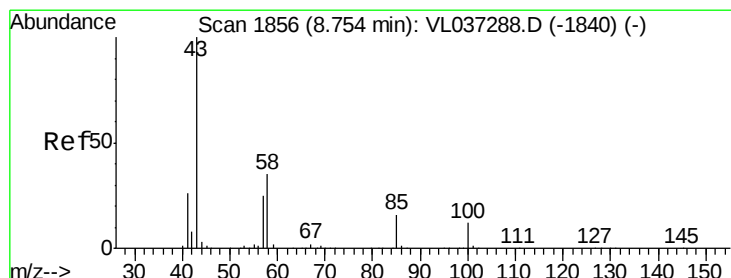
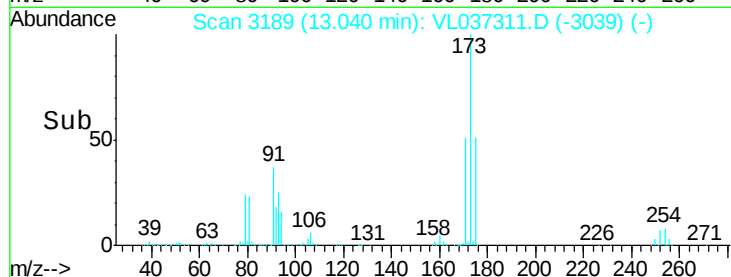
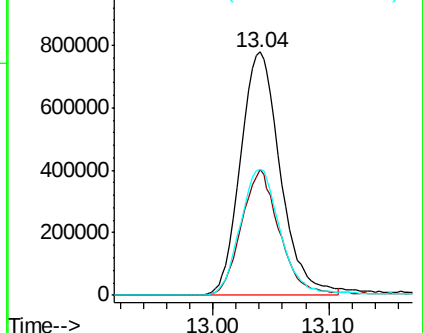
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.280 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037311.D

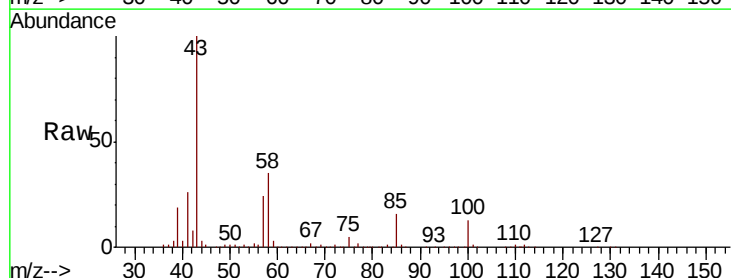
Acq: 31 Jul 2021 9:55

Tgt Ion: 43 Resp: 2000074

Ion Ratio Lower Upper

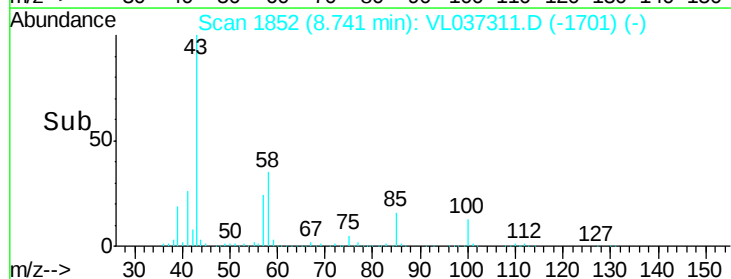
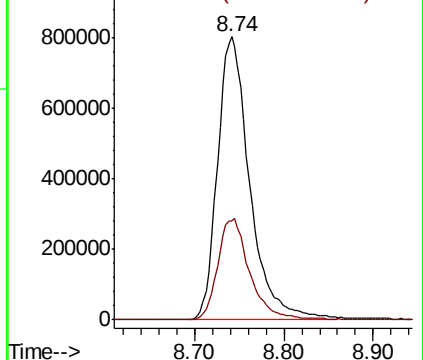
43 100

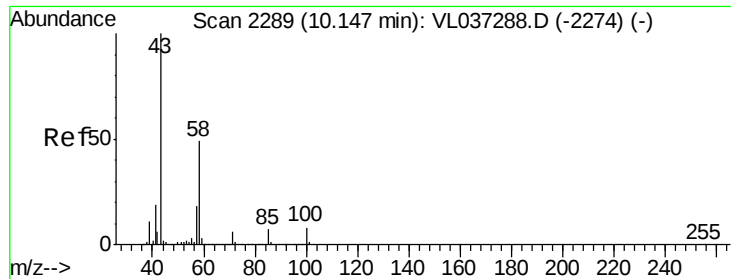
58 36.0 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.610 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

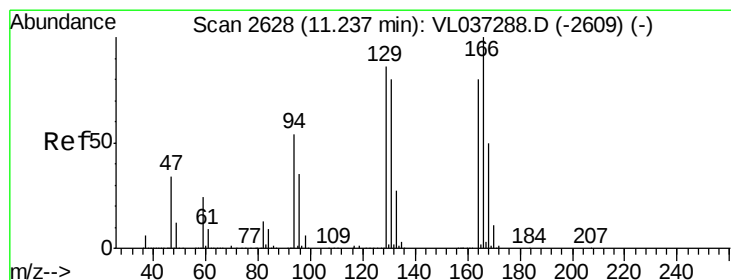
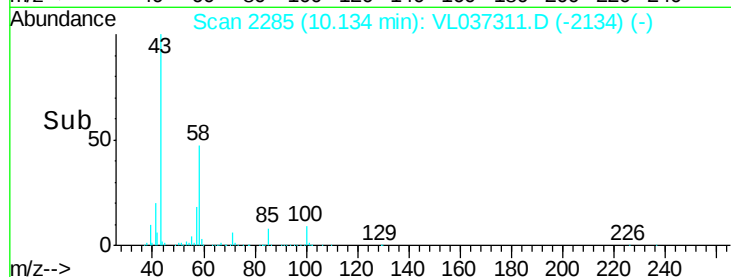
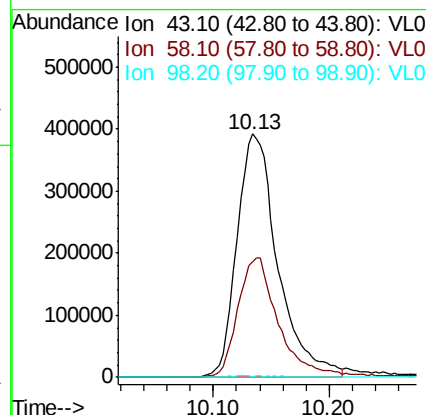
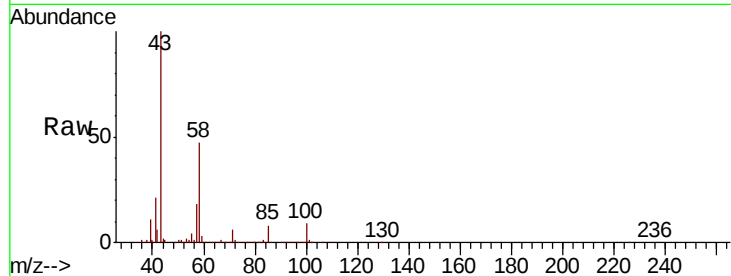
VSTDCCC010EC

Tot Ion: 43 Resp: 953045

Ion	Ratio	Lower	Upper
43	100		
58	50.4	39.0	58.4
98	0.7	0.4	0.6#

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#52

Tetrachloroethene

Concen: 9.634 ppbv

RT: 11.22 min Scan# 2624

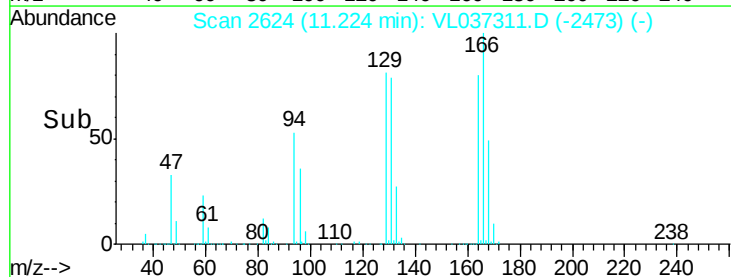
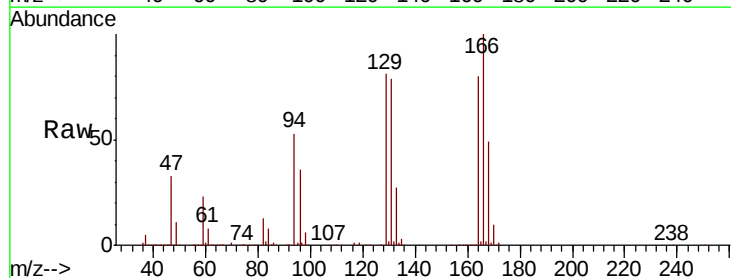
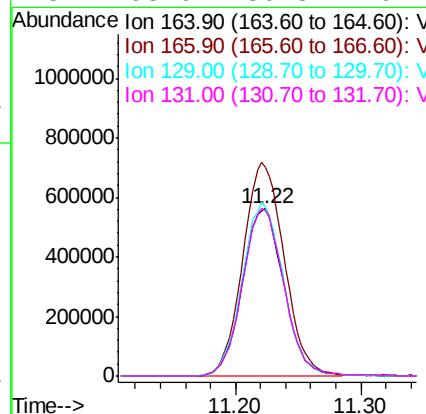
Delta R.T. -0.01 min

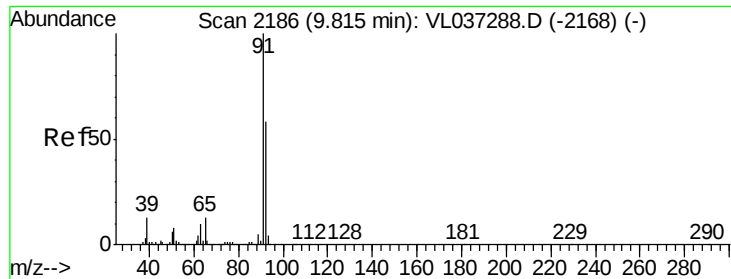
Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Tgt Ion: 164 Resp: 1287444

Ion	Ratio	Lower	Upper
164	100		
166	124.5	100.4	150.6
129	100.6	86.2	129.4
131	98.9	80.5	120.7





#53

Toluene

Concen: 10.365 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3693968

Ion Ratio Lower Upper

91 100

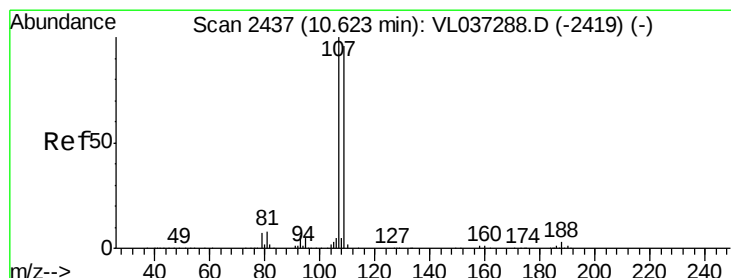
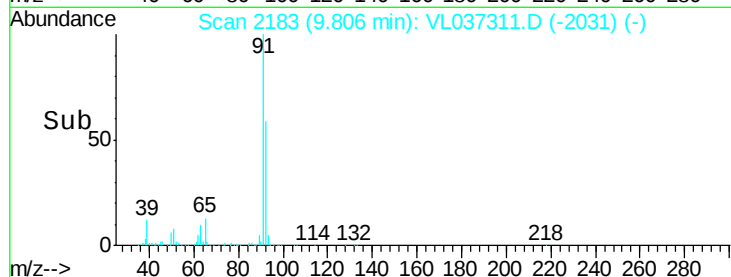
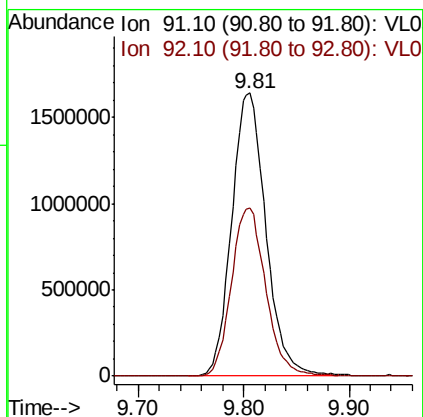
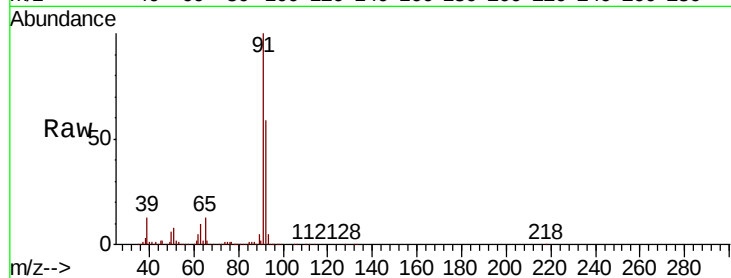
92 60.2 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 10.675 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL037311.D

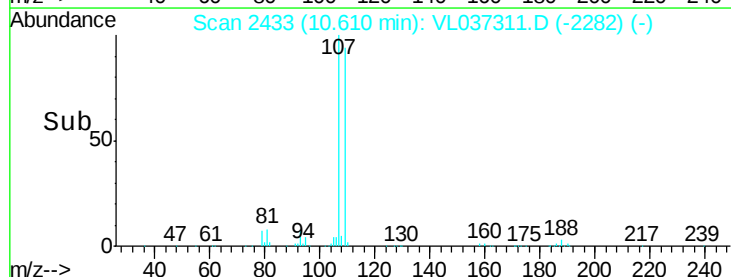
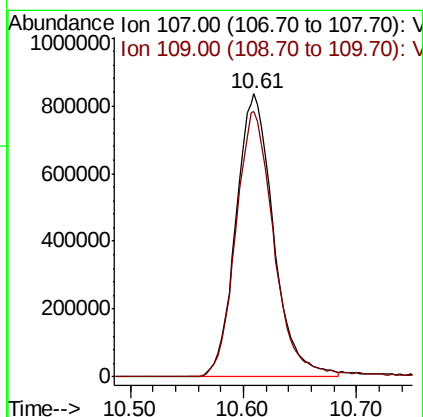
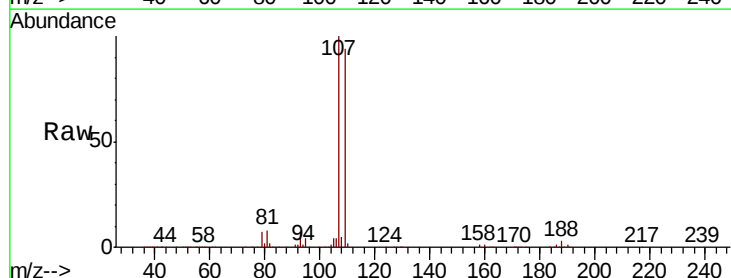
Acq: 31 Jul 2021 9:55

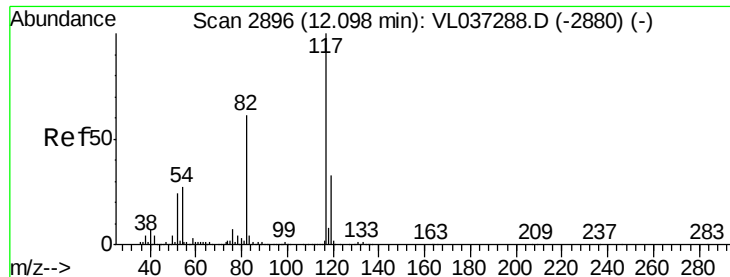
Tgt Ion: 107 Resp: 1930168

Ion Ratio Lower Upper

107 100

109 93.9 77.0 115.4





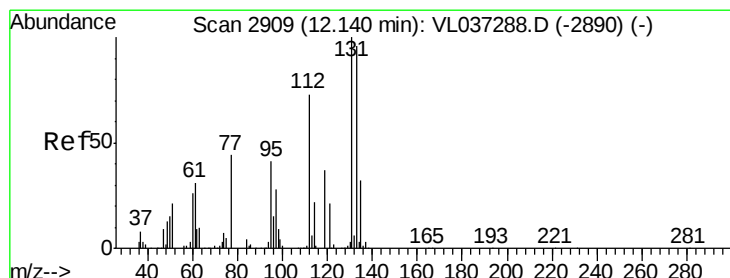
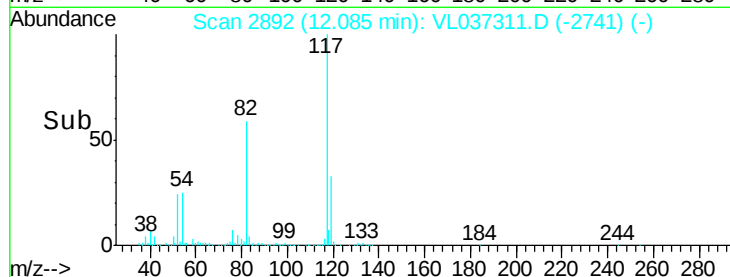
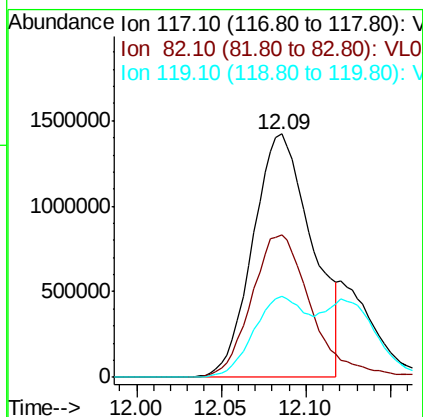
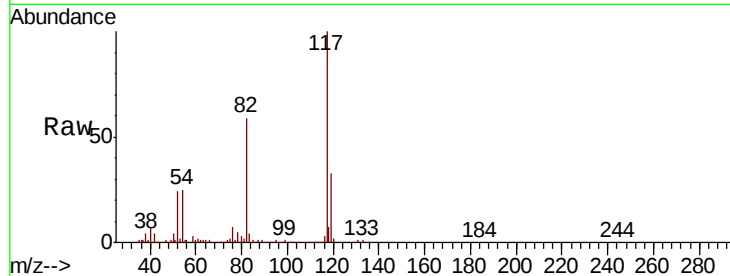
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.2	70.8
119	32.3	45.8	68.8#

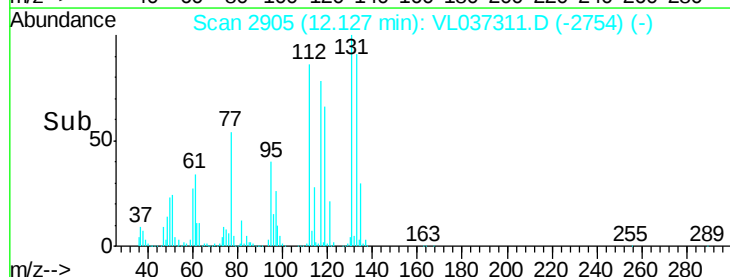
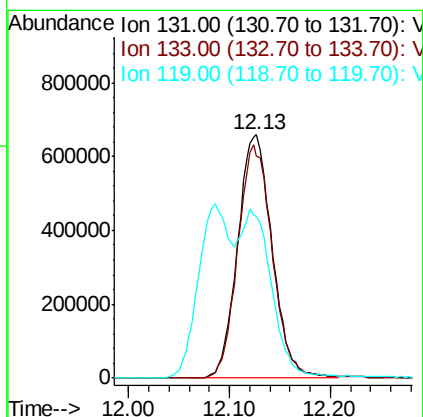
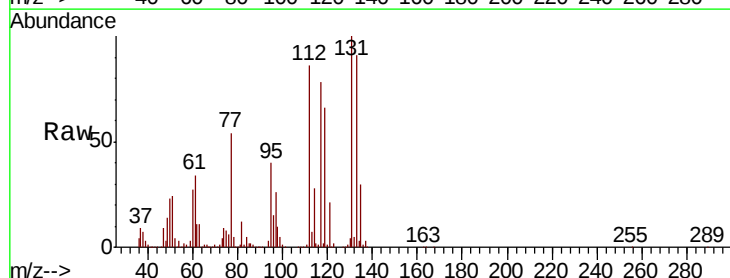
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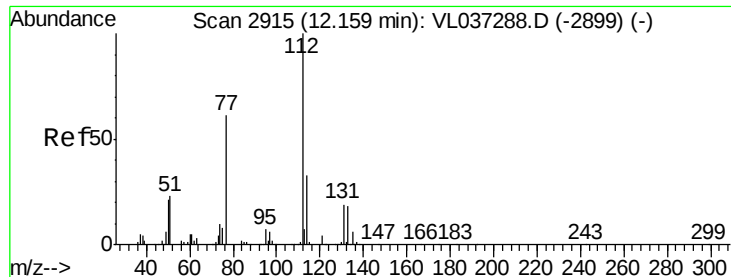
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.314 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	77.4	116.2
119	70.2	51.0	76.4





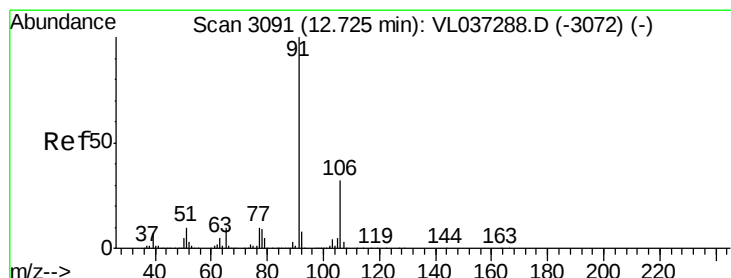
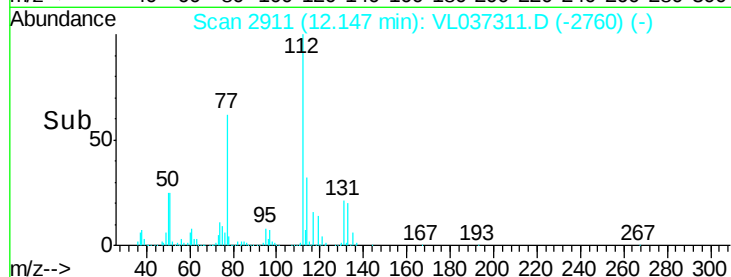
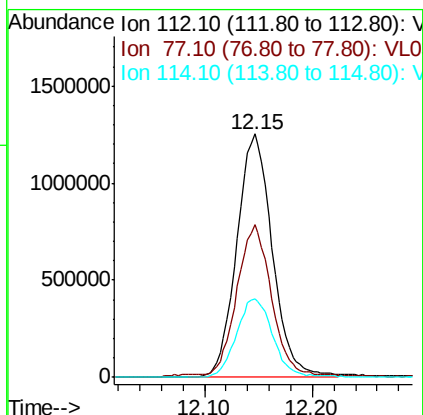
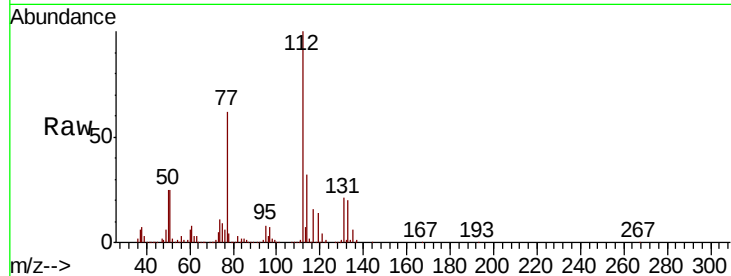
#57
Chlorobenzene
Concen: 9.962 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	61.7	49.0	73.6
114	32.1	29.3	35.9

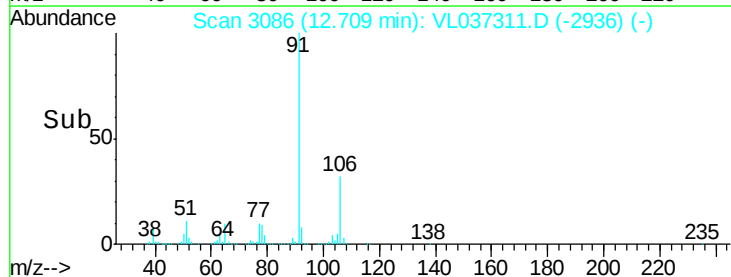
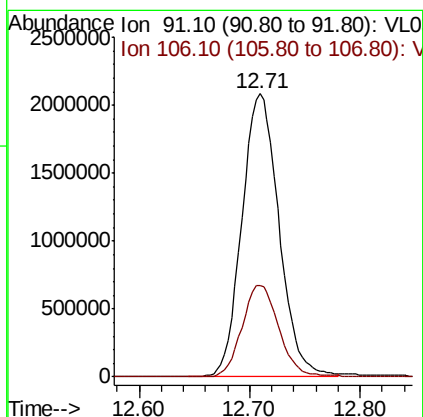
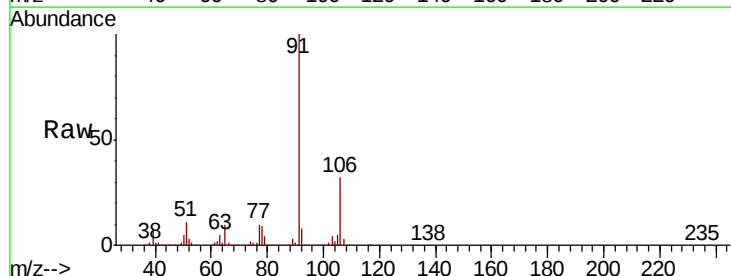
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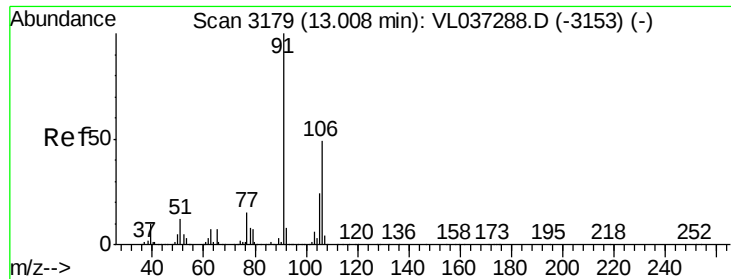
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#58
Ethyl Benzene
Concen: 10.230 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.4	38.0





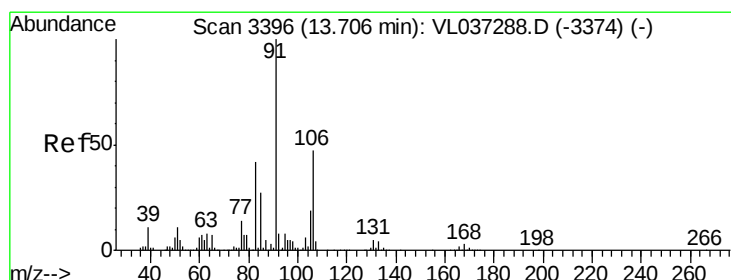
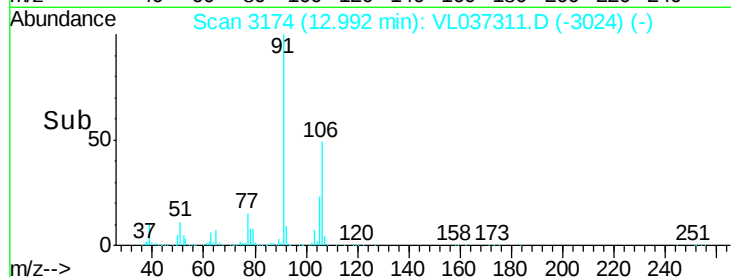
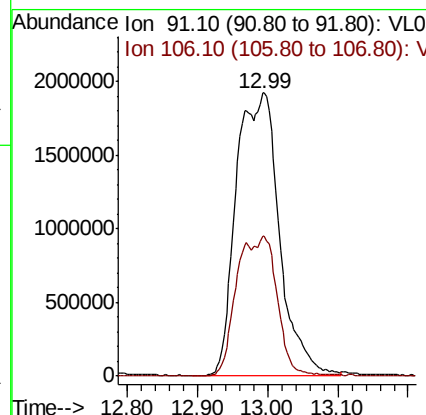
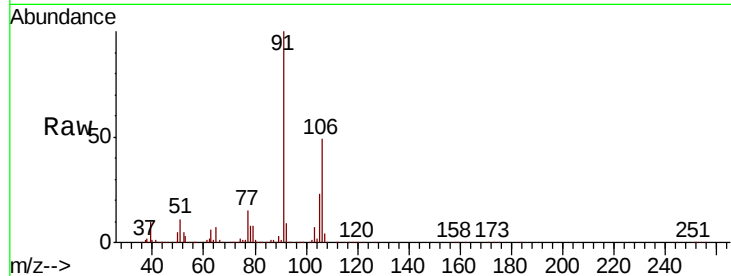
#59
m/p-Xylene
Concen: 20.159 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8255579
Ion Ratio Lower Upper
91 100
106 46.4 37.3 55.9

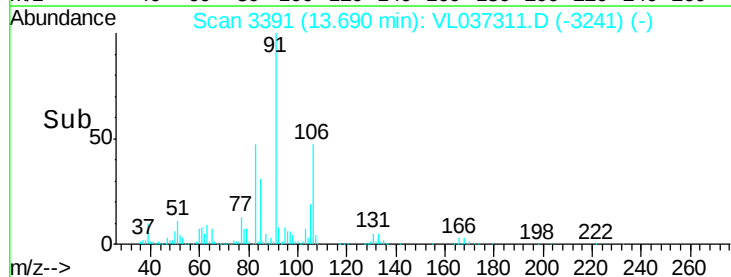
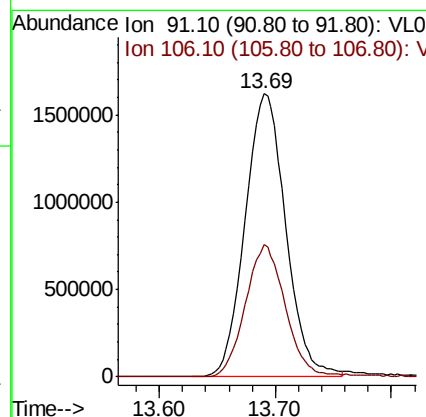
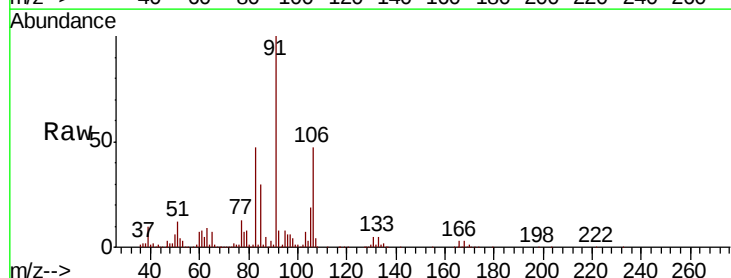
Manual Integrations
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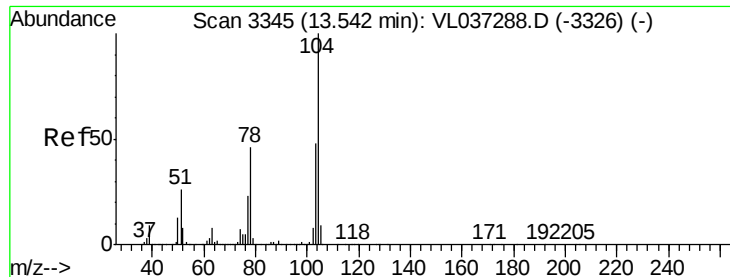
MMDadoda
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#60
o-Xylene
Concen: 10.065 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion: 91 Resp: 3939014
Ion Ratio Lower Upper
91 100
106 46.7 23.4 70.0





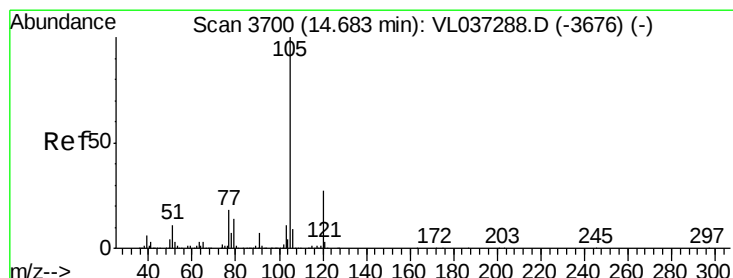
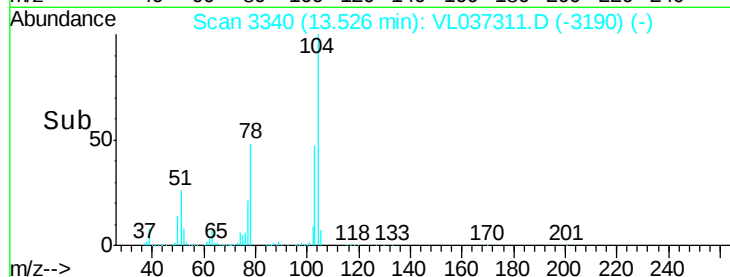
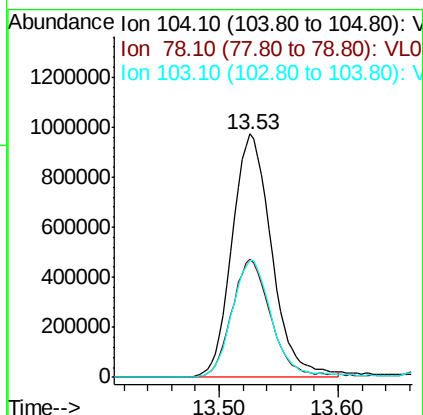
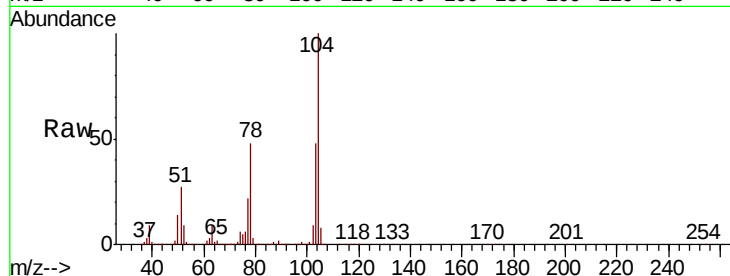
#61
Stvrene
Concen: 11.213 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.0	58.6
103	48.8	38.6	58.0

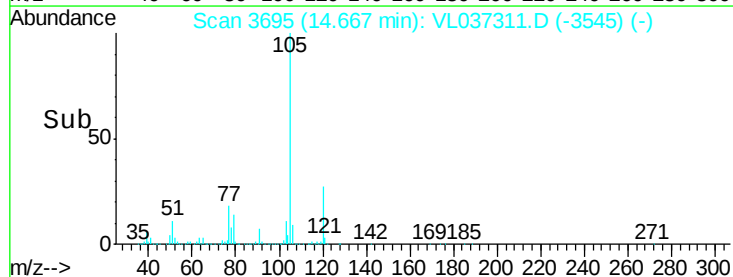
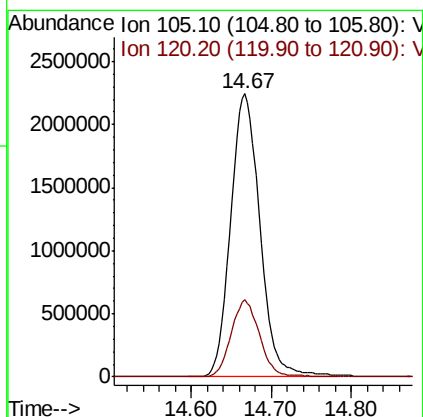
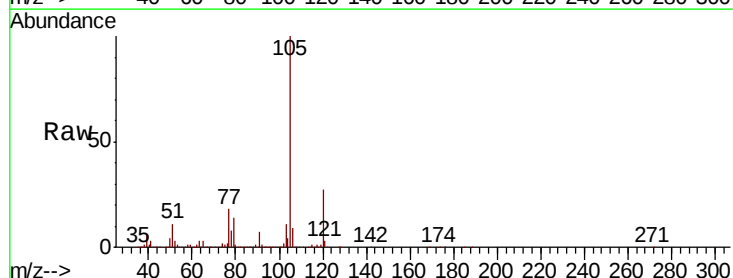
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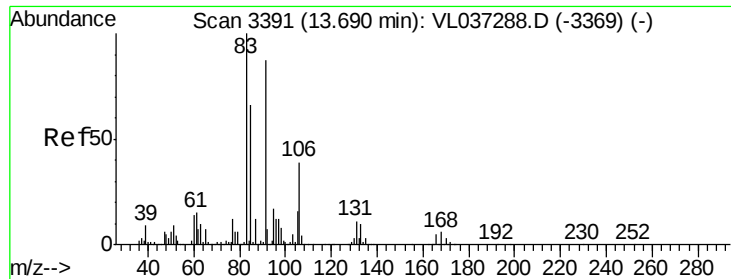
MMDadoda
8/2/2021 8:59:07 AM



#62
Isopropylbenzene
Concen: 10.105 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.8	32.6





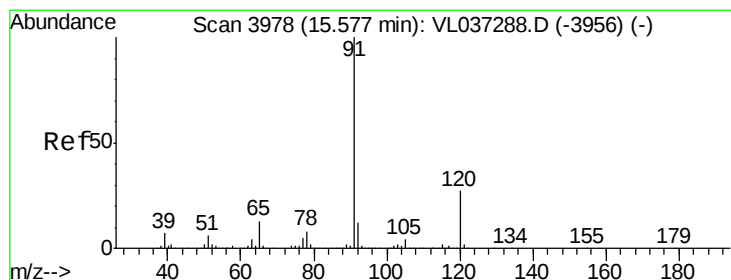
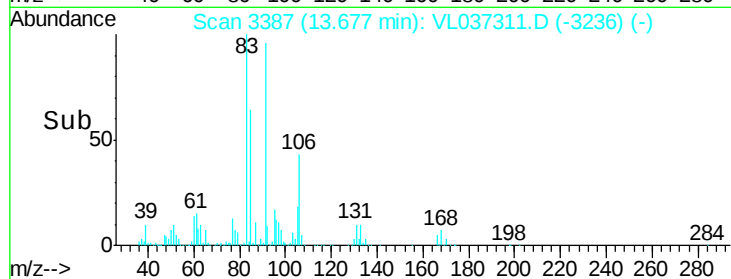
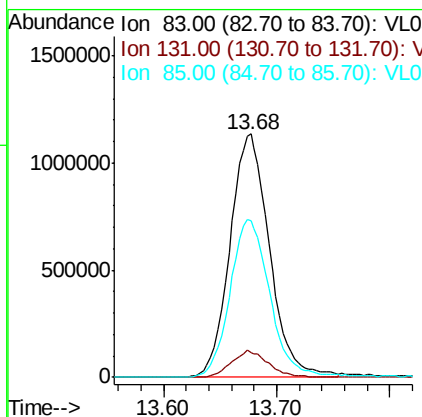
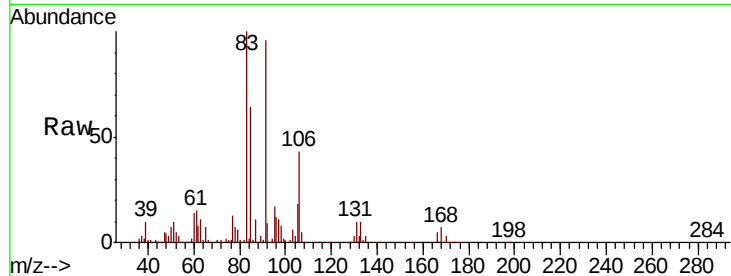
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.913 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2736391
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.5	16.5
85	66.9	33.6	100.8

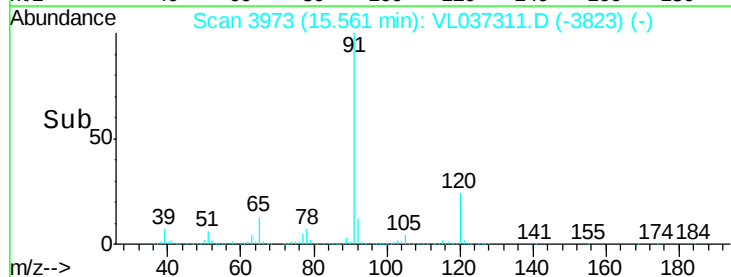
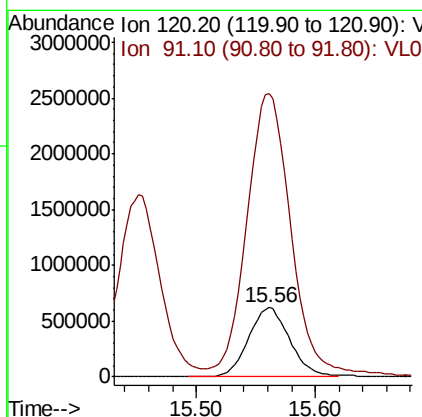
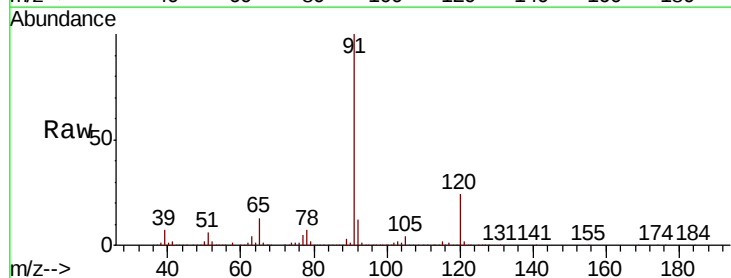
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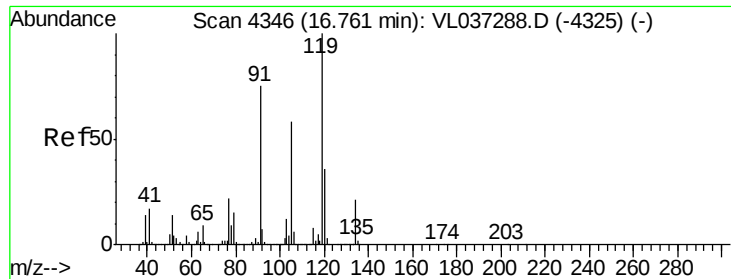
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#64
 n-propylbenzene
 Concen: 10.418 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	120	Resp	1493285
Ion Ratio	100	Lower	Upper
120	100		
91	440.3	347.0	520.4





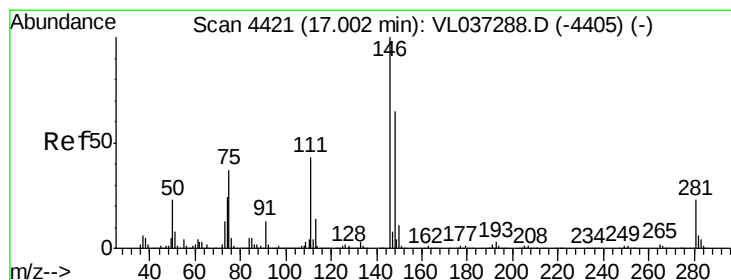
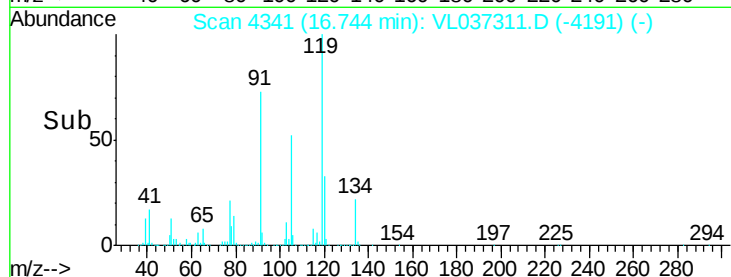
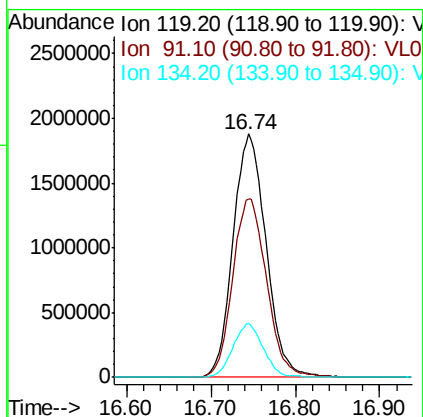
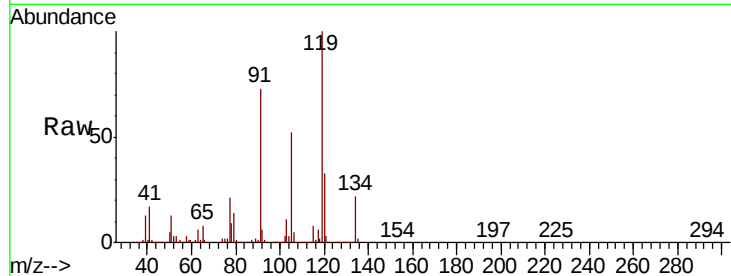
#65
tert-Butylbenzene
Concen: 10.008 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.1	60.5	90.7
134	20.4	16.2	24.4

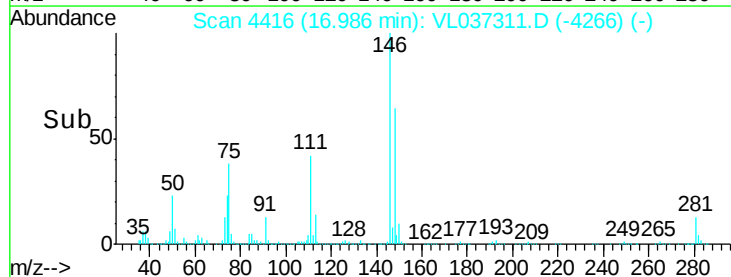
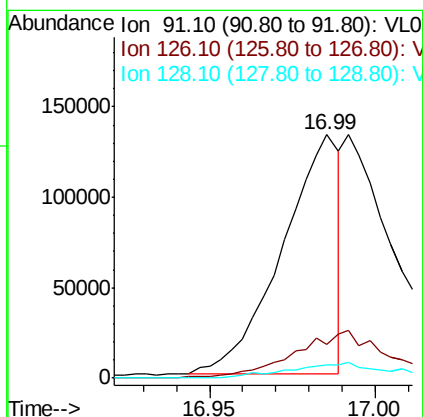
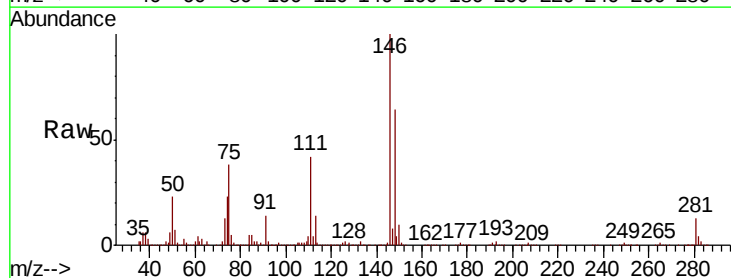
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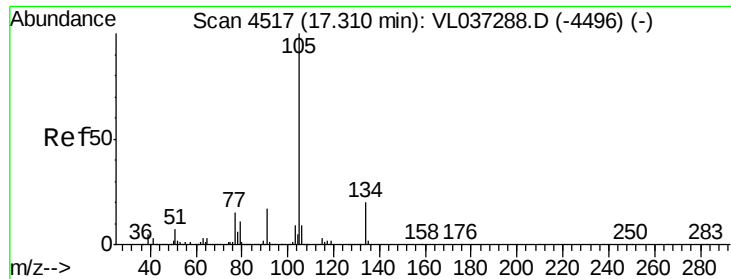
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#66
Benzyl Chloride
Concen: 6.332 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.4	23.0#
128	0.0	5.0	7.4#





#67

sec-Butylbenzene

Concen: 10.076 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.02 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6816389

Ion Ratio Lower Upper

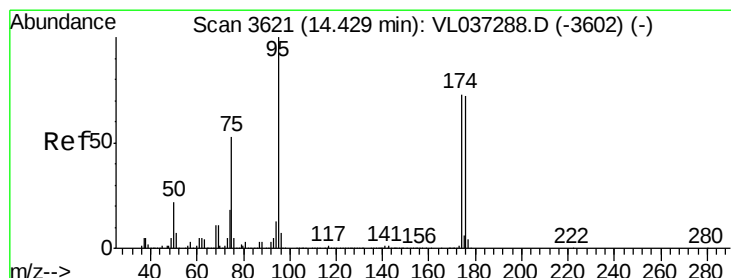
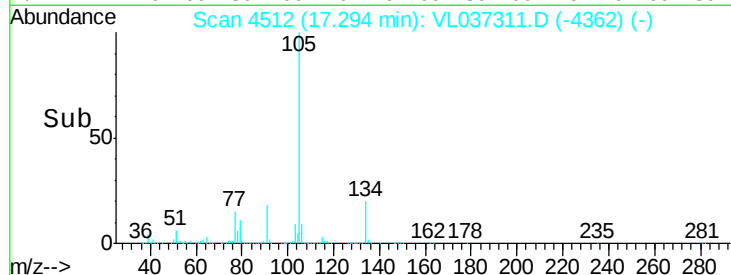
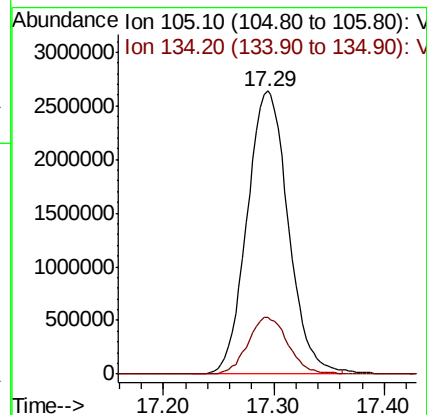
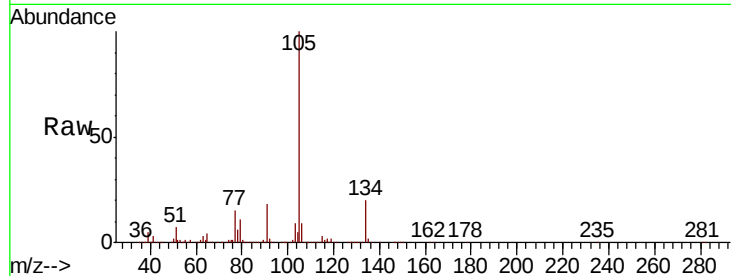
105 100

134 19.7 15.8 23.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.094 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.02 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

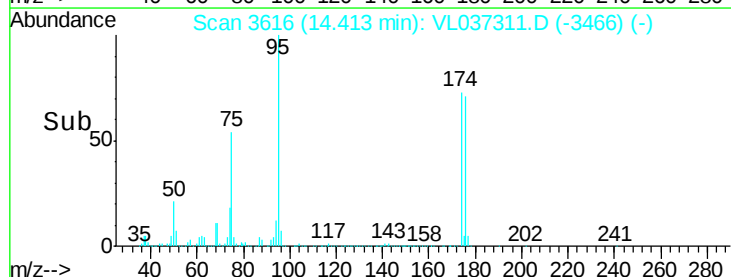
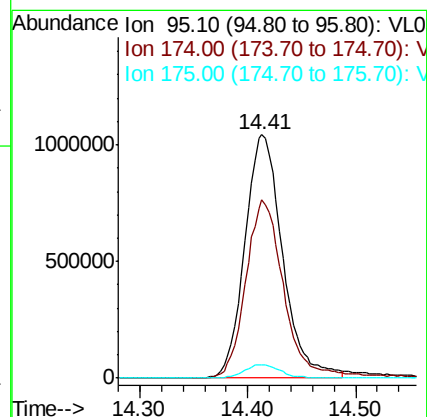
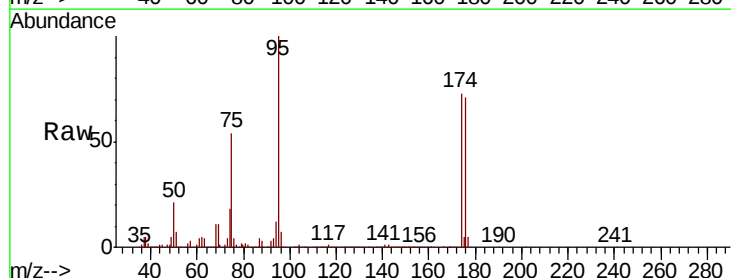
Tgt Ion: 95 Resp: 2540829

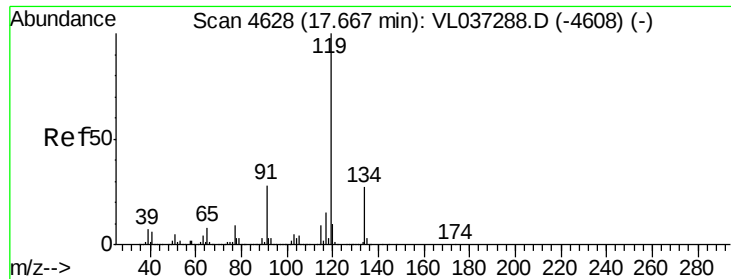
Ion Ratio Lower Upper

95 100

174 75.3 59.8 89.6

175 5.4 4.5 6.7





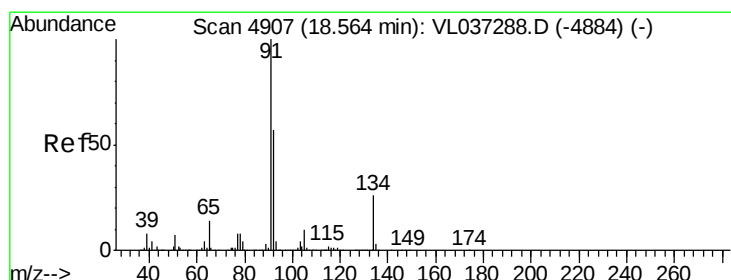
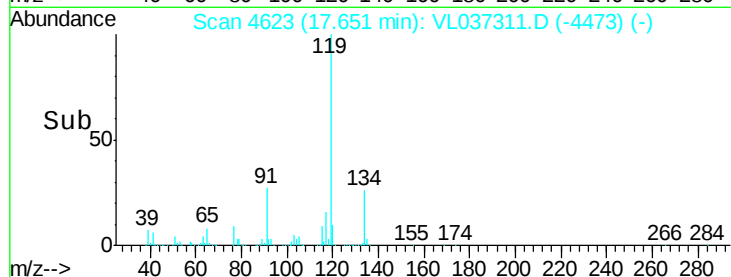
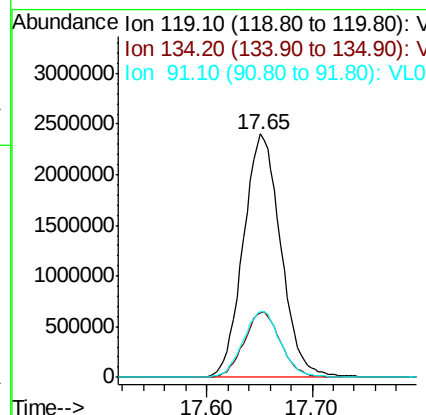
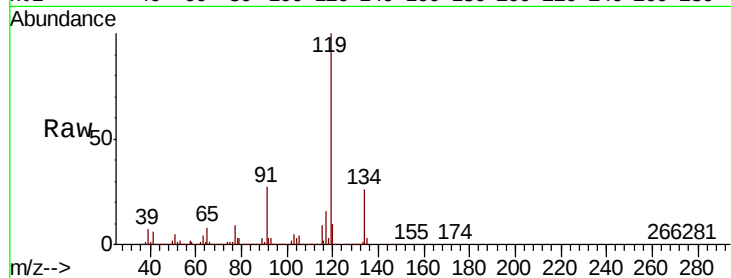
#69
 p-Isopropyltoluene
 Concen: 10.233 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.1	31.7
91	27.0	21.8	32.6

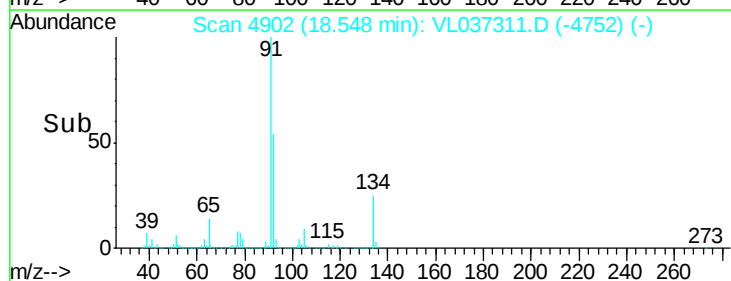
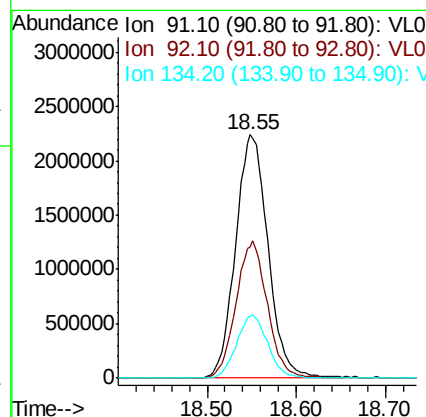
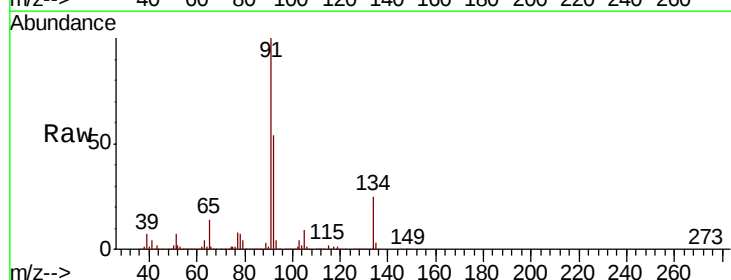
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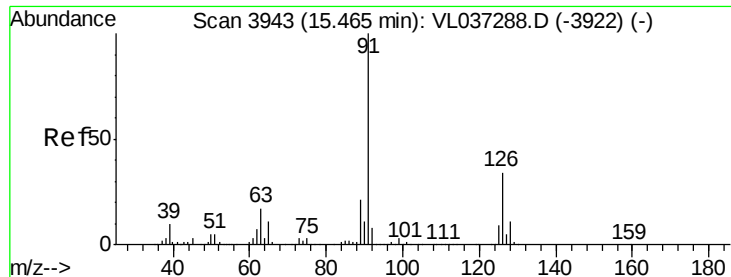
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#70
 n-Butylbenzene
 Concen: 10.310 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.6	65.4
134	25.0	20.3	30.5





#71

2-Chlorotoluene

Concen: 10.185 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4012403

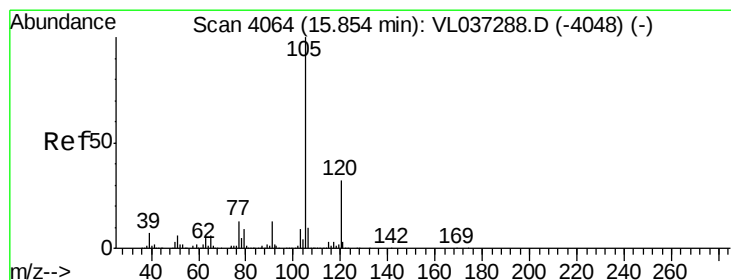
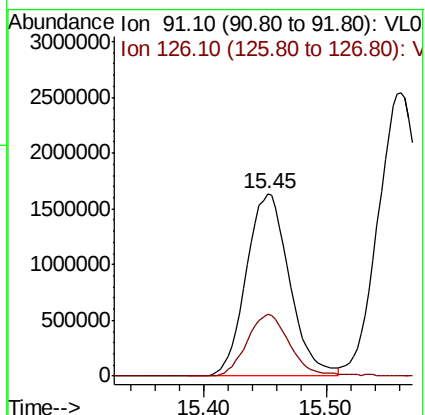
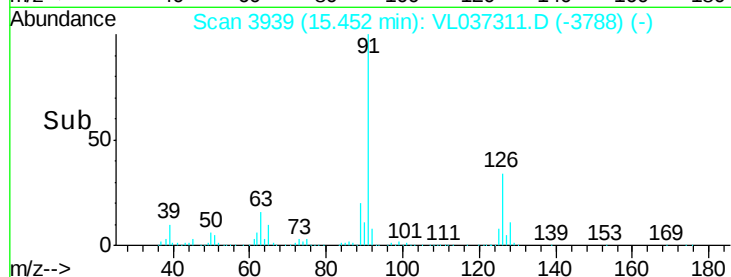
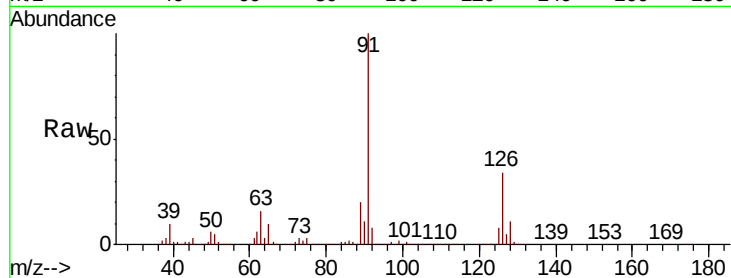
Ion Ratio Lower Upper

91 100

126 34.3 13.8 55.2

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#72

4-Ethyltoluene

Concen: 10.652 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.02 min

Lab File: VL037311.D

Acq: 31 Jul 2021 9:55

Tgt Ion: 105 Resp: 4936478

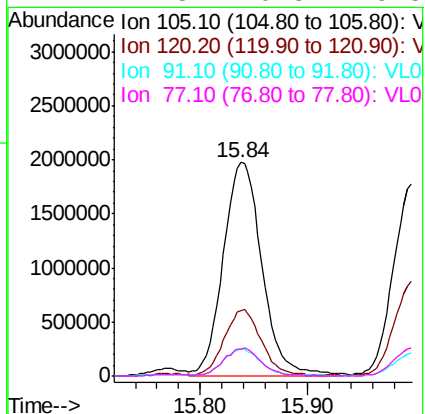
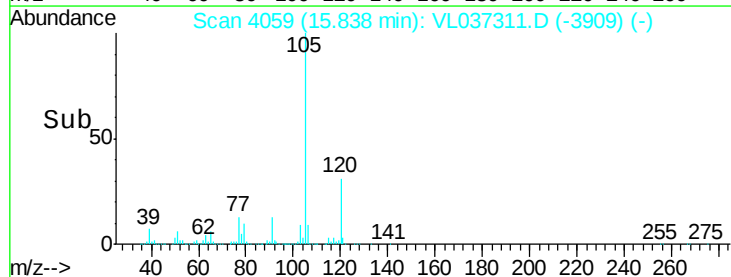
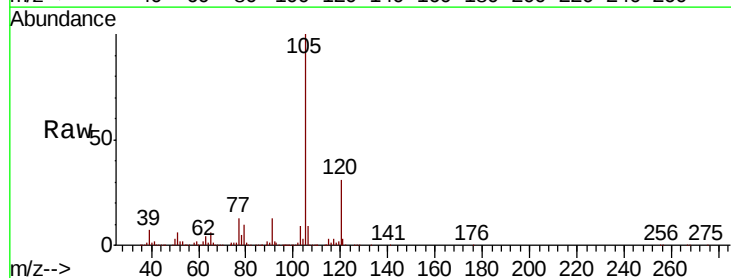
Ion Ratio Lower Upper

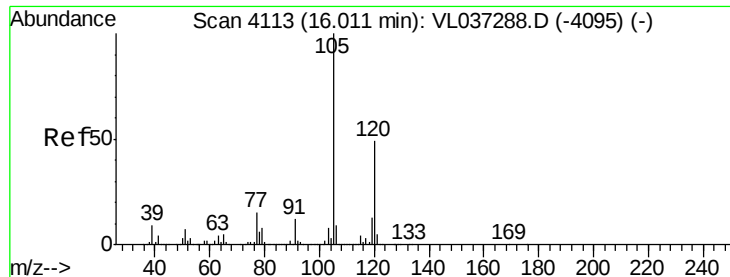
105 100

120 30.3 24.3 36.5

91 11.9 9.6 14.4

77 12.8 10.3 15.5





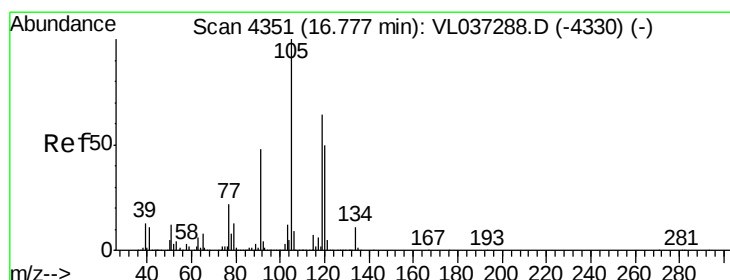
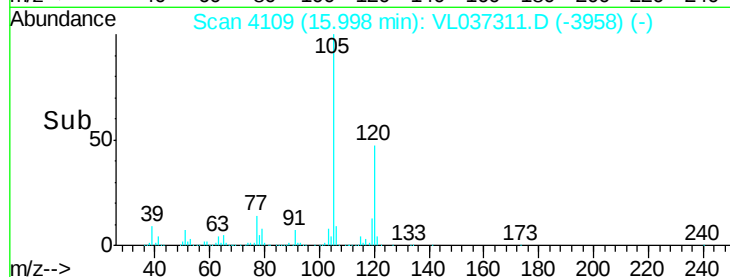
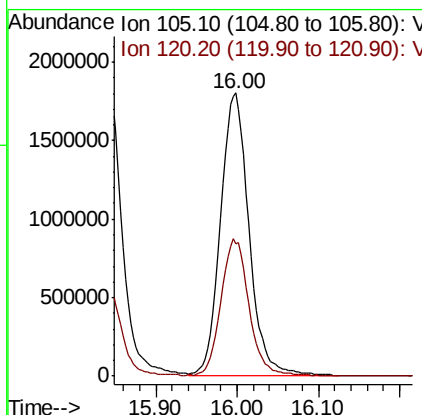
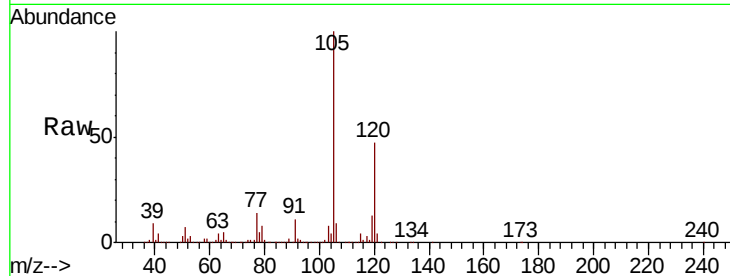
#73
 1,3,5-Trimethylbenzene
 Concen: 10.358 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4433310
 Ion Ratio Lower Upper
 105 100
 120 46.7 39.0 58.6

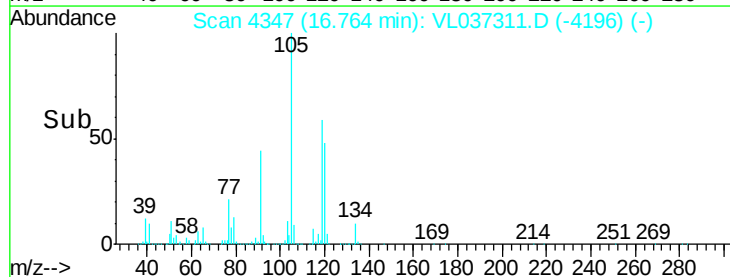
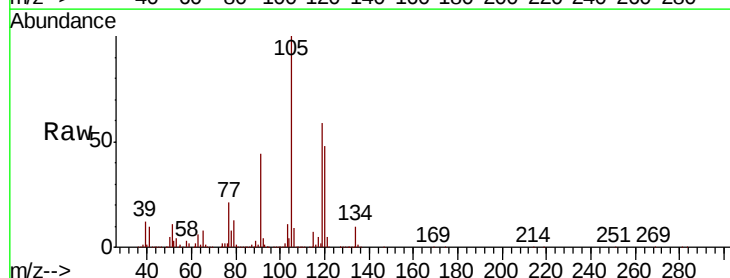
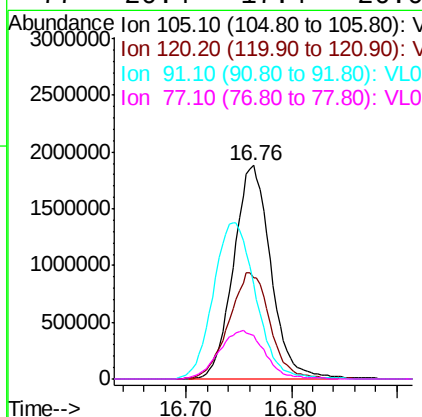
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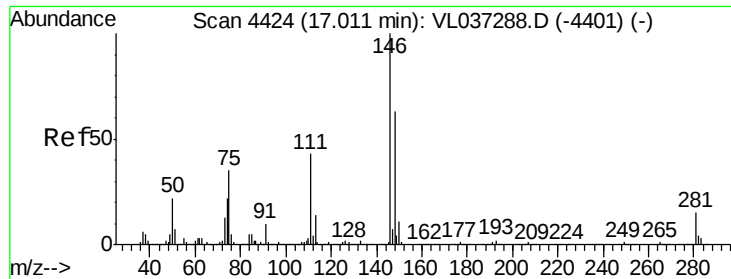
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.747 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion:105 Resp: 4599434
 Ion Ratio Lower Upper
 105 100
 120 47.3 40.2 60.4
 91 43.9 39.0 58.6
 77 20.4 17.4 26.0





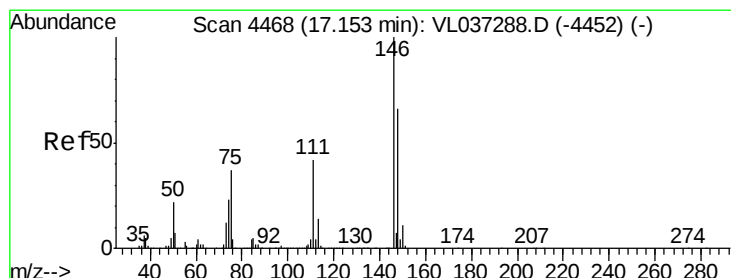
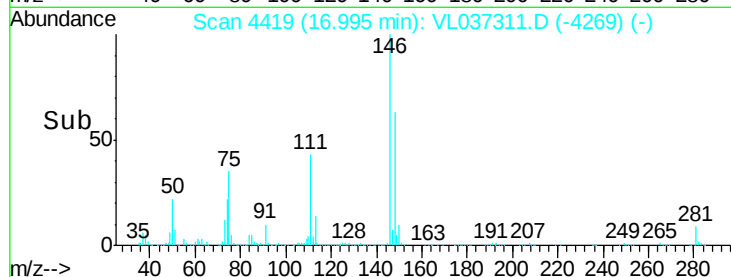
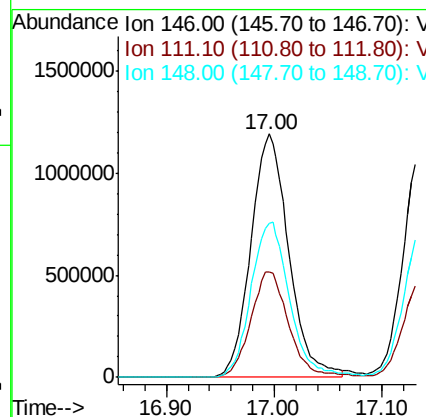
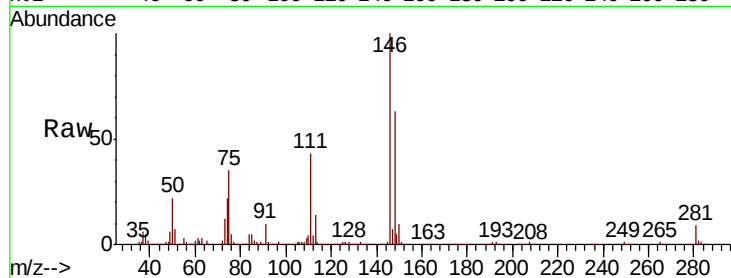
#75
 1,3-Dichlorobenzene
 Concen: 10.230 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.7	65.1
148	65.3	32.3	96.9

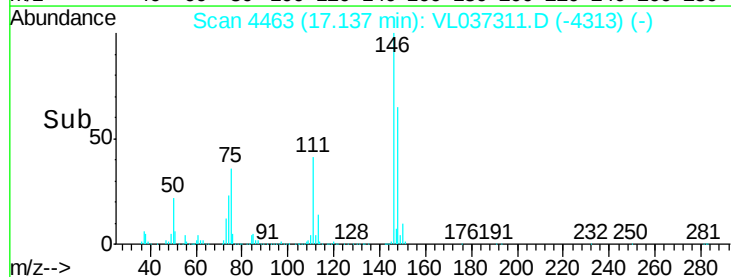
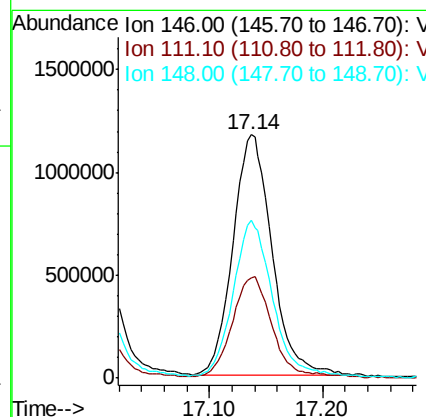
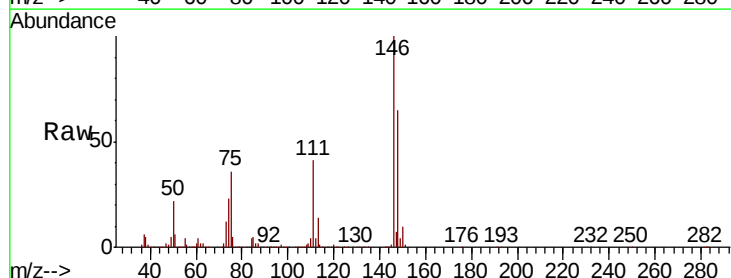
Manual Integrations
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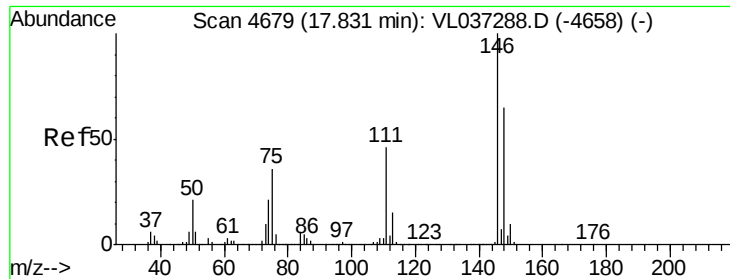
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#76
 1,4-Dichlorobenzene
 Concen: 9.517 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.2	63.6
148	67.5	32.9	98.6





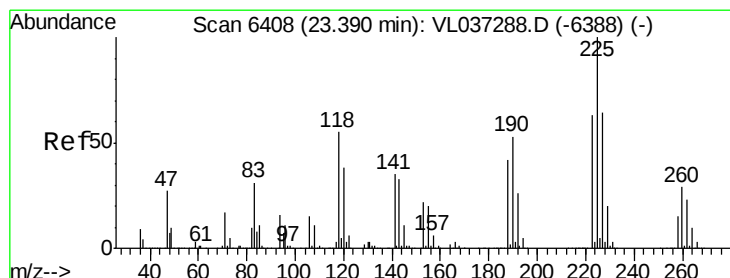
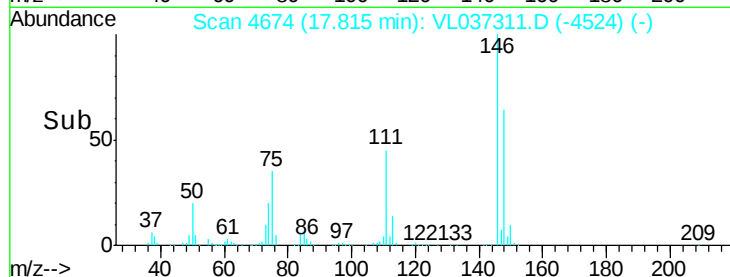
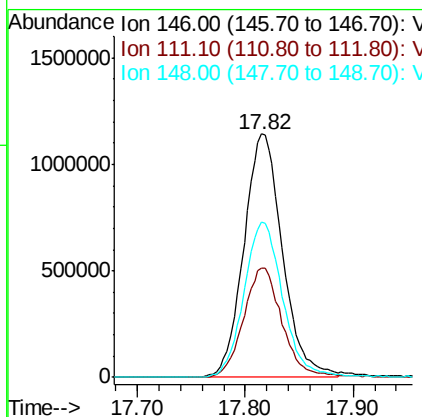
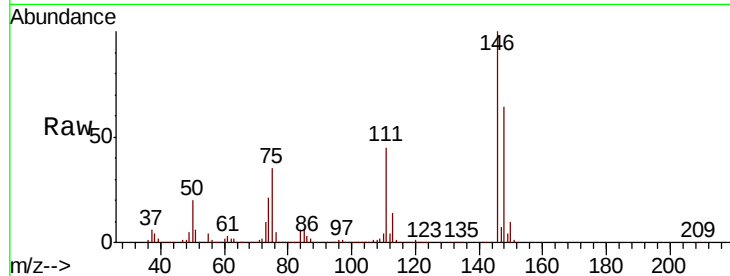
#77
 1,2-Dichlorobenzene
 Concen: 10.380 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.6	67.7
148	64.7	32.5	97.4

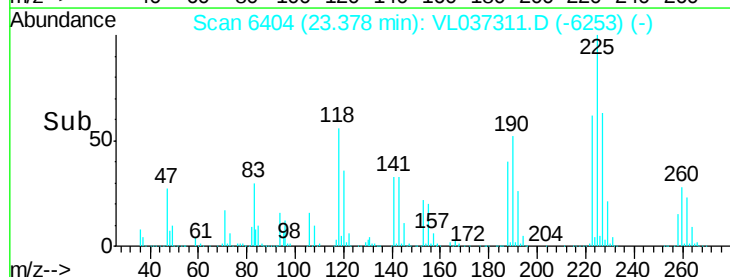
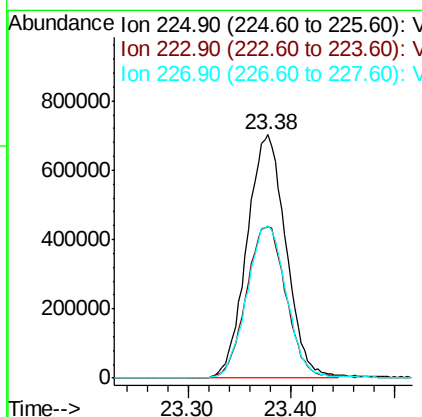
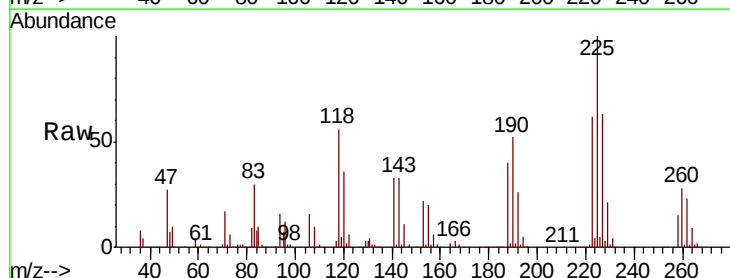
Manual Integrations
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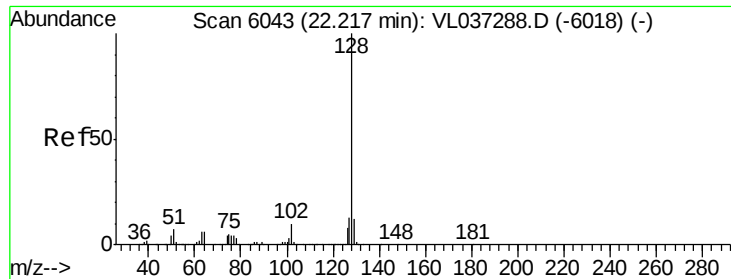
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.025 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.01 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.7	77.5
227	64.2	51.8	77.8





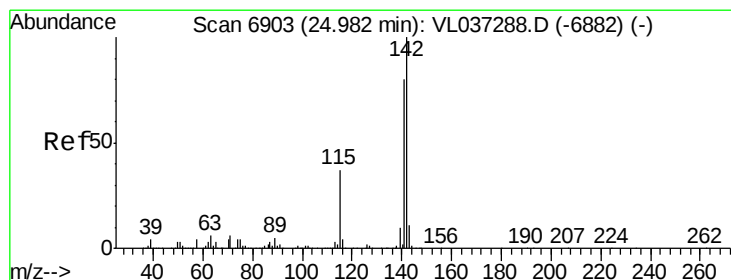
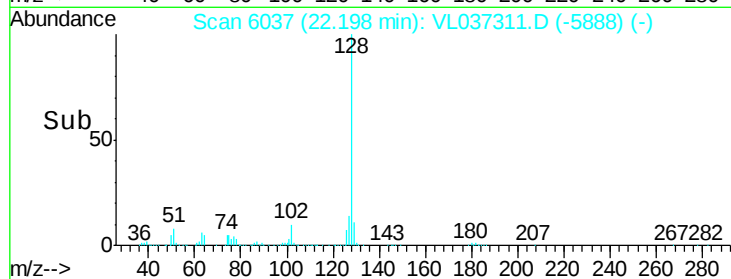
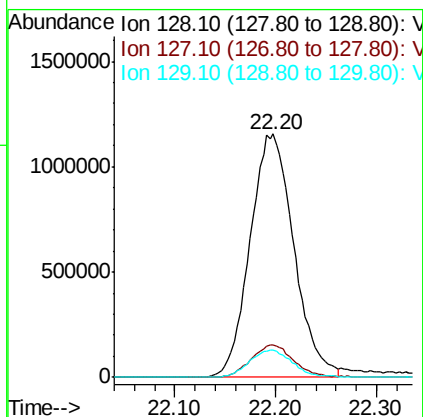
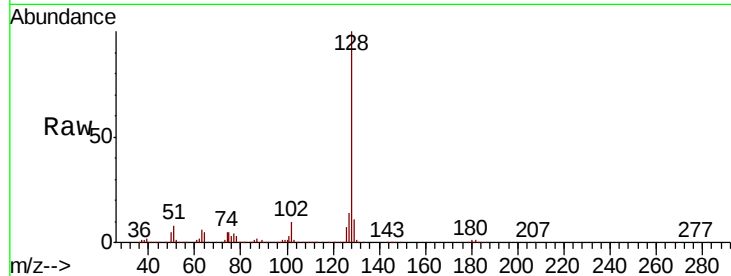
#79
Naphthalene
Concen: 9.404 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.02 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.4	9.4	14.2

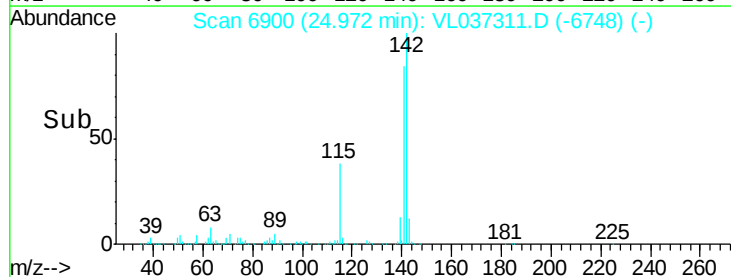
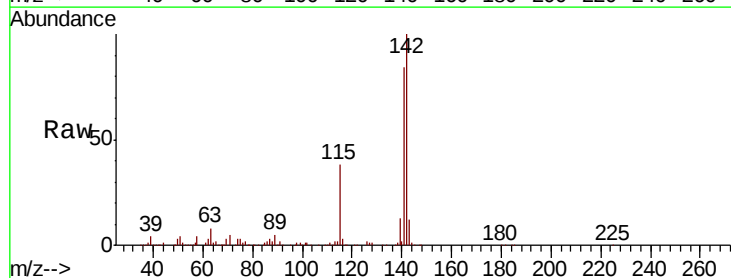
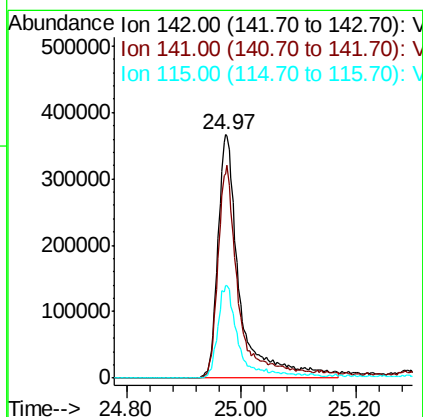
Manual Integrations
APPROVED

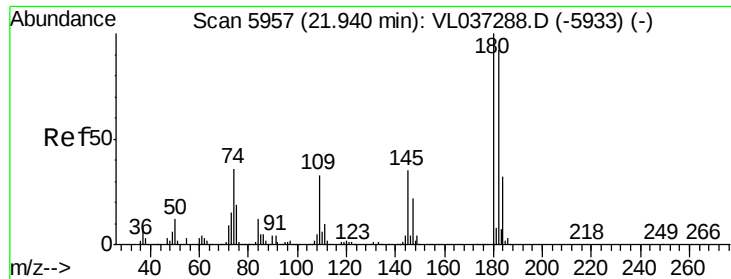
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#80
Naphthalene, 2-methyl-
Concen: 9.210 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. -0.01 min
Lab File: VL037311.D
Acq: 31 Jul 2021 9:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	67.0	100.6
115	37.9	28.6	42.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.336 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. -0.02 min
 Lab File: VL037311.D
 Acq: 31 Jul 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.0	80.8	121.2
184	30.8	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:59:07 AM

