

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037269.D
 Acq On : 2 Jul 2021 11:16
 Operator : SY/AP
 Sample : VL0702ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/6/2021 6:44:24 PM

Quant Time: Jul 02 14:57:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1329267	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3912317	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3515634m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2931366	11.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2157260	9.332 ppbv	99
3) Chlorodifluoromethane	3.00	51	2288459	8.854 ppbv	99
4) Chloromethane	3.15	50	760045	8.823 ppbv	99
5) Vinyl Chloride	3.27	62	857239	9.055 ppbv	97
6) Bromomethane	3.48	94	485129	8.589 ppbv	97
7) Chloroethane	3.57	64	320345	9.466 ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	2181725	9.200 ppbv	98
9) Propene	3.02	41	711602	8.610 ppbv	99
10) Heptane	8.14	43	1860519	9.295 ppbv	99
11) Trichlorofluoromethane	3.96	101	2345558	9.509 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1716787	9.873 ppbv	99
13) Ethanol	3.62	45	84612m	6.618 ppbv	
14) Bromoethene	3.75	108	668984	9.218 ppbv	98
15) Acetone	3.86	43	1156517	7.715 ppbv	97
16) 1,3-Butadiene	3.34	39	841287	9.494 ppbv	98
17) tert-Butyl alcohol	4.30	59	1452562	10.485 ppbv	100
18) 1,1-Dichloroethene	4.30	96	745120	9.670 ppbv	96
19) Isopropyl Alcohol	3.98	45	829478	9.136 ppbv	98
20) Methylene Chloride	4.36	84	636502	7.093 ppbv	99
21) Allyl Chloride	4.43	41	1058236	9.366 ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	788318	10.339 ppbv	97
23) Vinyl Acetate	5.09	43	1848419	8.600 ppbv	100
24) 1,1-Dichloroethane	5.02	63	1549599	8.955 ppbv	100
25) Ethyl Acetate	5.70	43	2941370	9.064 ppbv	99
26) Hexane	5.70	57	1391875	8.486 ppbv	98
27) Carbon Disulfide	4.56	76	1751445	10.899 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1626106	8.247 ppbv	99
29) Chloroform	5.77	83	2347458	9.265 ppbv	99
30) Cyclohexane	7.15	84	1226349	8.974 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1415887	9.395 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2441741	9.006 ppbv	99
34) 2-Butanone	5.26	43	1258192	8.269 ppbv	98
35) Carbon Tetrachloride	7.04	117	2629336	10.020 ppbv	97
36) Benzene	6.91	78	2910868	9.201 ppbv	99
37) 1,2-Dichloroethane	6.33	62	1786871	9.723 ppbv	99
38) Trichloroethene	7.86	130	1266142	8.420 ppbv	98
39) 1,2-Dichloropropane	7.64	63	1113973	9.476 ppbv	99
40) 1,4-Dioxane	7.86	88	297116m	9.217 ppbv	
41) Tetrahydrofuran	6.07	42	683350	9.669 ppbv	98
42) Bromodichloromethane	7.81	83	2496065	9.845 ppbv	99
43) Methyl Methacrylate	8.03	69	1063955	9.738 ppbv	98

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Manual Integrations
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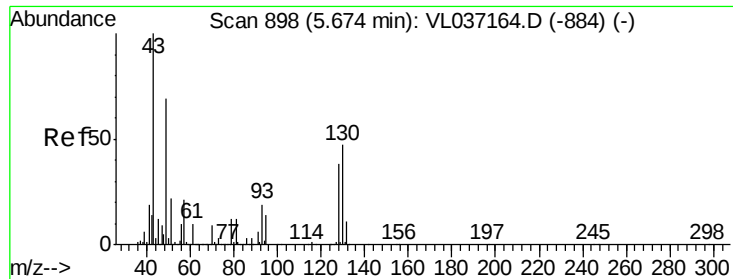
MMDadoda
 7/6/2021 6:44:24 PM

Quant Time: Jul 02 14:57:56 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	4837253	9.080	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	927853	9.626	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1162284	8.814	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1260724	9.400	ppbv	97
48) Dibromochloromethane	10.33	129	2278745	10.764	ppbv	99
49) Bromoform	13.06	173	1880681	11.923	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2072300	9.916	ppbv	99
51) 2-Hexanone	10.16	43	1033719	10.166	ppbv #	98
52) Tetrachloroethene	11.25	164	1215537	8.269	ppbv	96
53) Toluene	9.83	91	3521377	9.318	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1885048	9.780	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.15	131	1552249	10.099	ppbv	99
57) Chlorobenzene	12.17	112	2709233	9.502	ppbv	97
58) Ethyl Benzene	12.73	91	4732712	9.779	ppbv	97
59) m/p-Xylene	13.02	91	8051546m	19.631	ppbv	
60) o-Xylene	13.72	91	3849237	9.856	ppbv	99
61) Styrene	13.55	104	2136961	10.602	ppbv	97
62) Isopropylbenzene	14.69	105	5332575	9.603	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2626202	10.099	ppbv	100
64) n-propylbenzene	15.58	120	1411392	10.149	ppbv	94
65) tert-Butylbenzene	16.77	119	4922953	9.995	ppbv	99
66) Benzyl Chloride	17.01	91	214955	10.299	ppbv	98
67) sec-Butylbenzene	17.32	105	6549460	9.972	ppbv	99
69) p-Isopropyltoluene	17.67	119	5614965	10.121	ppbv	99
70) n-Butylbenzene	18.57	91	5241263	10.208	ppbv	99
71) 2-Chlorotoluene	15.47	91	3928245	10.118	ppbv	98
72) 4-Ethyltoluene	15.86	105	4594057	10.355	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4219340	9.839	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4392234	9.940	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	2623486	9.765	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2568893	9.573	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2527899	9.726	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1569003	7.021	ppbv	100
79) Naphthalene	22.22	128	2905401	7.886	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	581056	6.014	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1698255	7.988	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL037269.D

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Instrument :

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ClientSampleId :

VL0702ABS01

Tot Ion: 49 Resp: 1329267

Ion Ratio Lower Upper

49 100

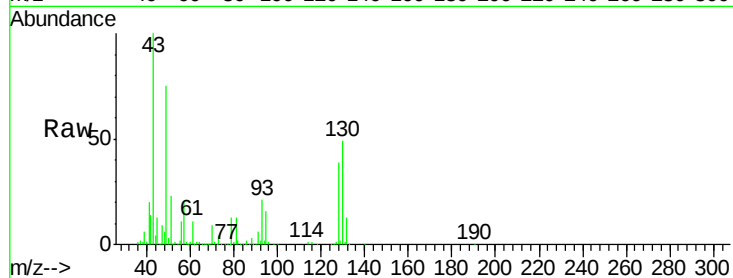
128 57.4 29.3 88.0

130 71.3 35.9 107.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

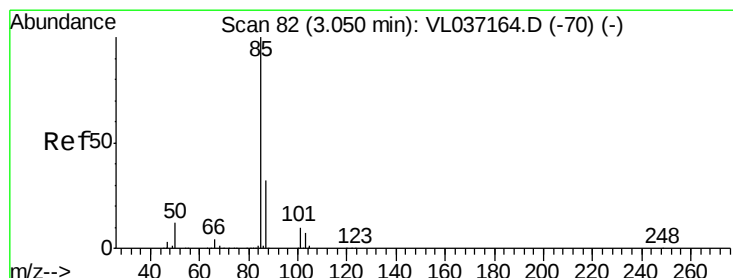
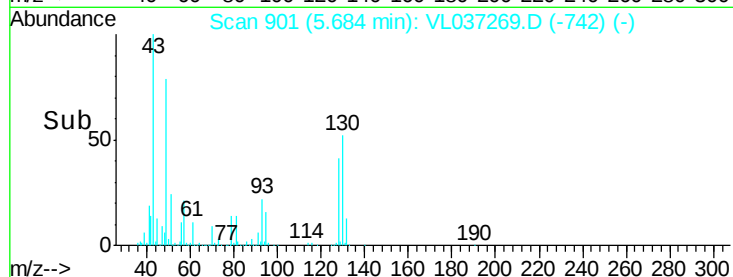
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 9.332 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037269.D

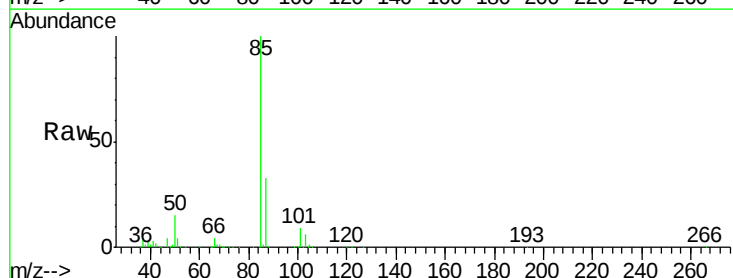
Acq: 2 Jul 2021 11:16

Tgt Ion: 85 Resp: 2157260

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

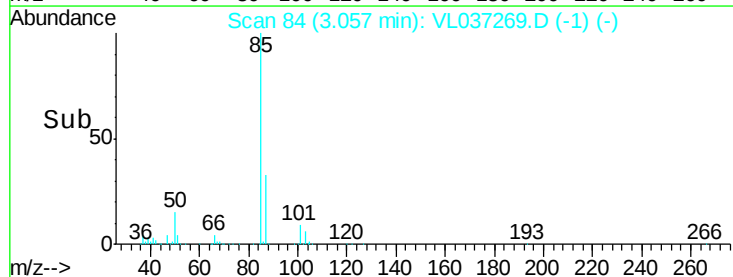
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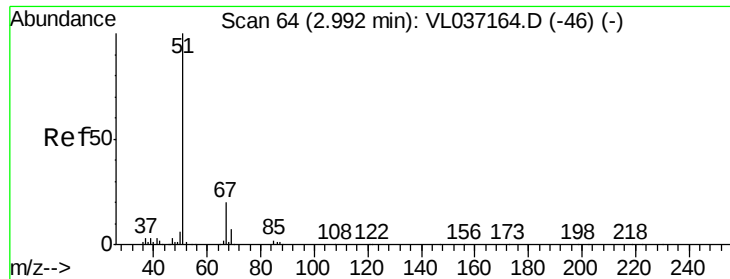
500000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 8.854 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Tot Ion: 51 Resp: 2288459

Ion Ratio Lower Upper

51 100

67 20.1 15.8 23.6

Instrument :

MSVOA_L

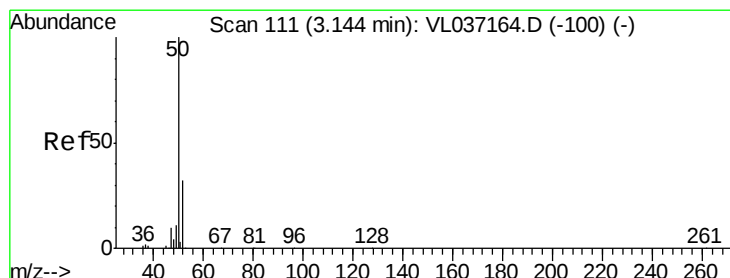
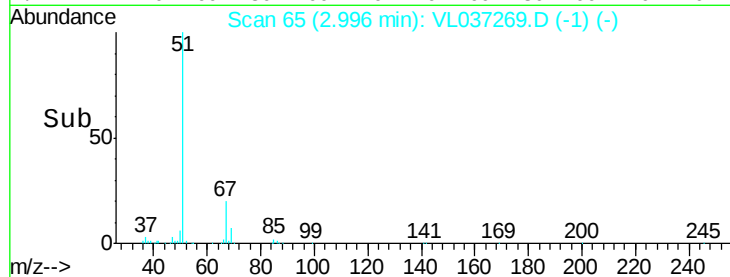
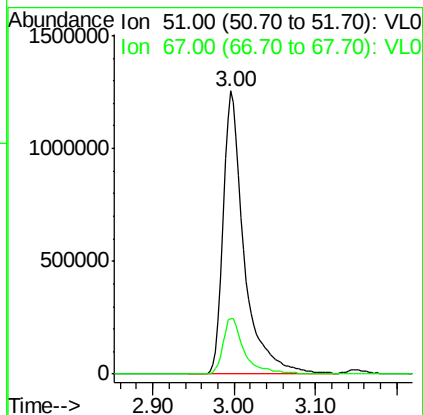
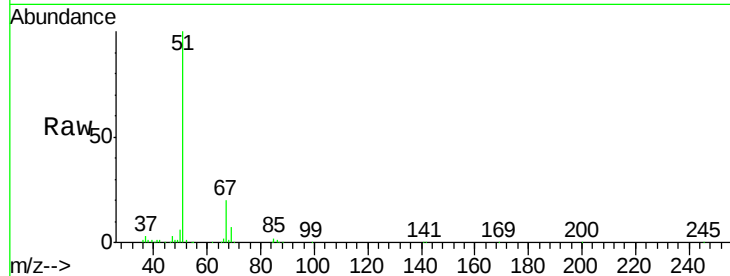
ClientSampleId :

VL0702ABS01

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#4

Chloromethane

Concen: 8.823 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037269.D

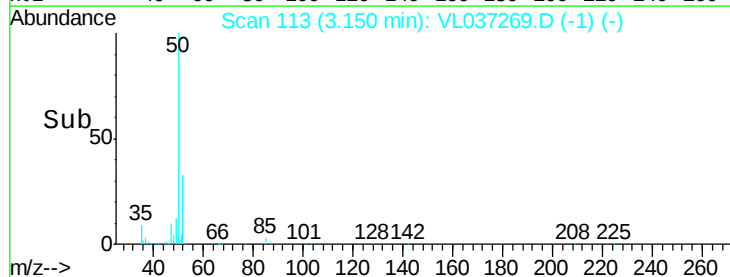
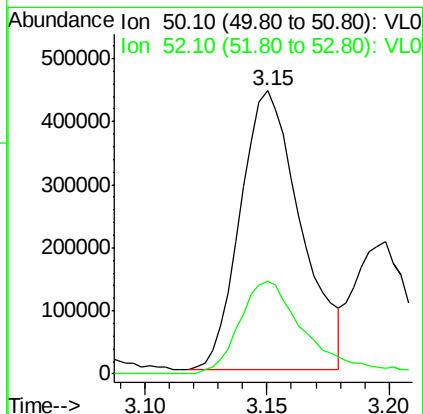
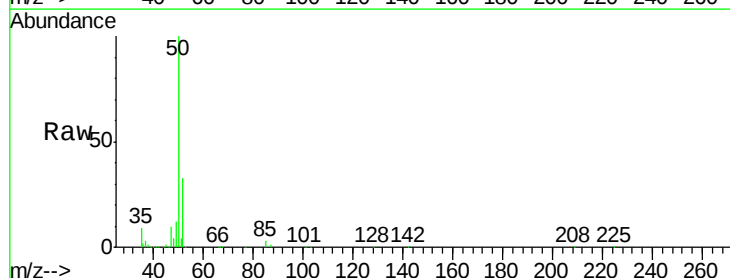
Acq: 2 Jul 2021 11:16

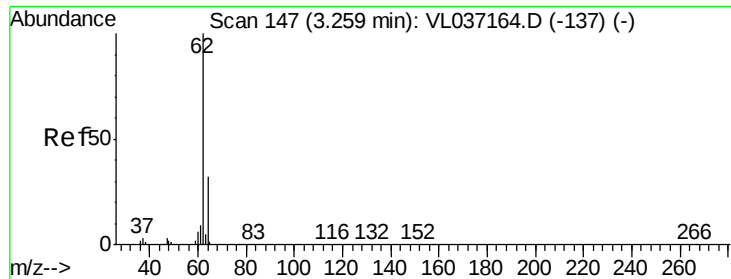
Tgt Ion: 50 Resp: 760045

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8





#5

Vinyl Chloride

Concen: 9.055 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion: 62 Resp: 857239

Ion Ratio Lower Upper

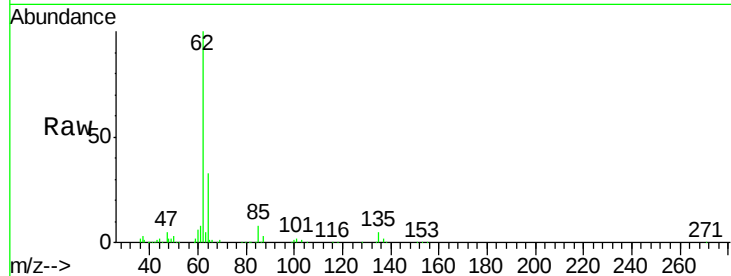
62 100

64 33.4 25.6 38.4

Manual Integrations
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

400000

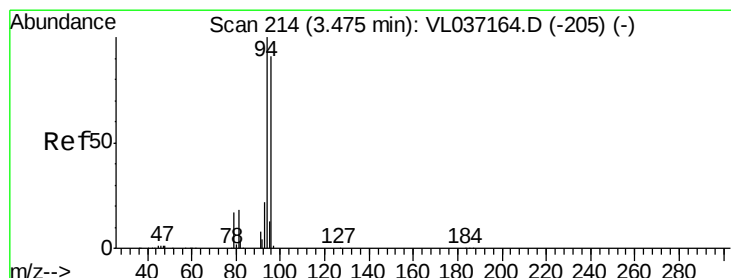
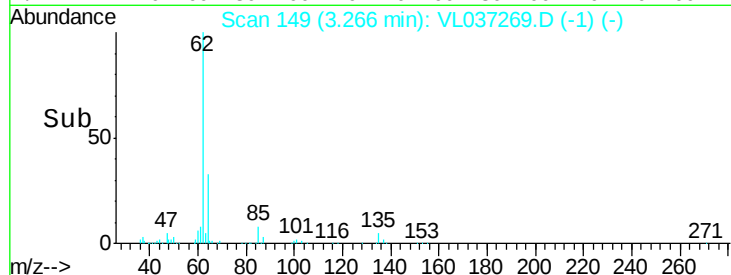
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.589 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037269.D

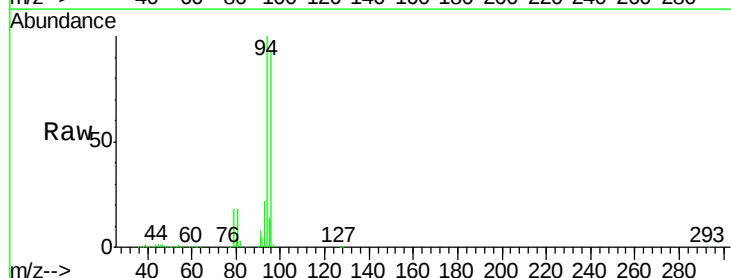
Acq: 2 Jul 2021 11:16

Tgt Ion: 94 Resp: 485129

Ion Ratio Lower Upper

94 100

96 93.2 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

300000

250000

200000

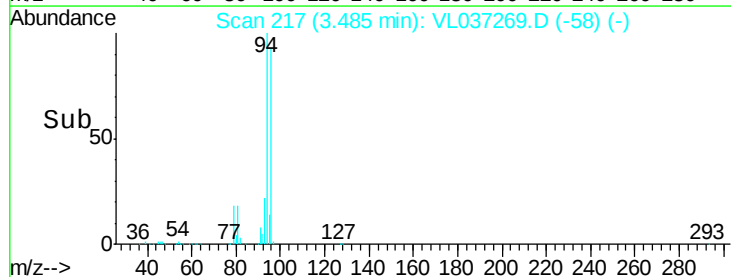
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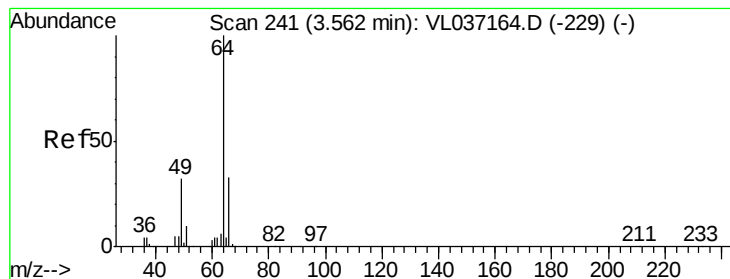
100000

50000

0

Time-->





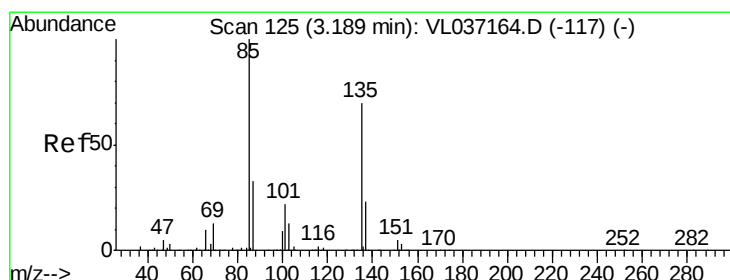
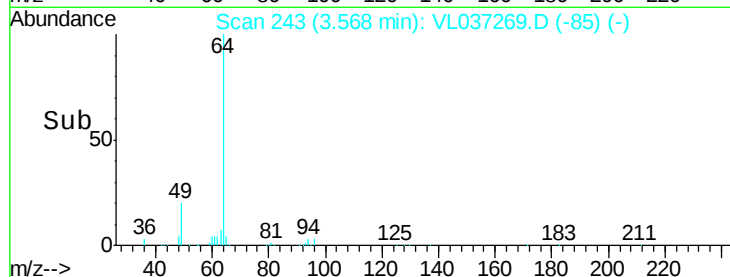
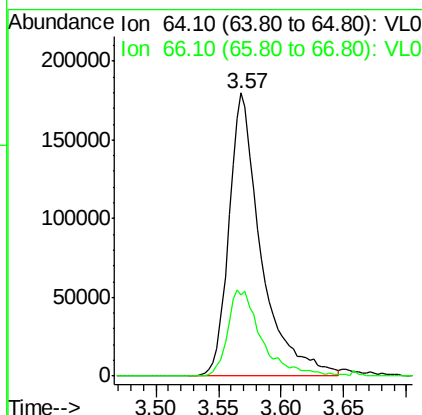
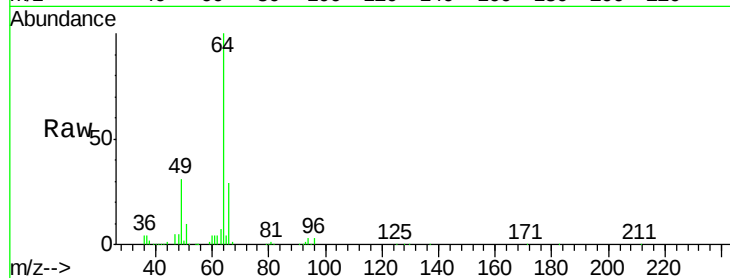
#7
Chloroethane
Concen: 9.466 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
64	100		
66	28.5	26.2	39.4

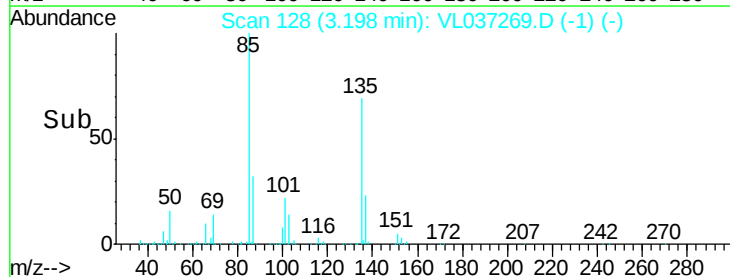
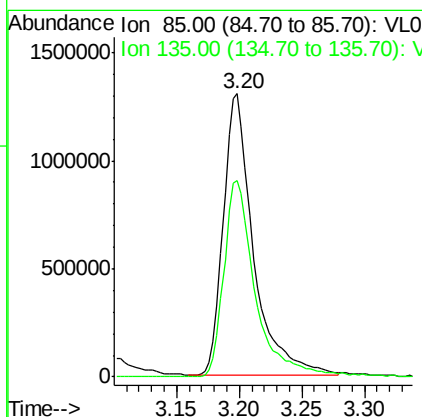
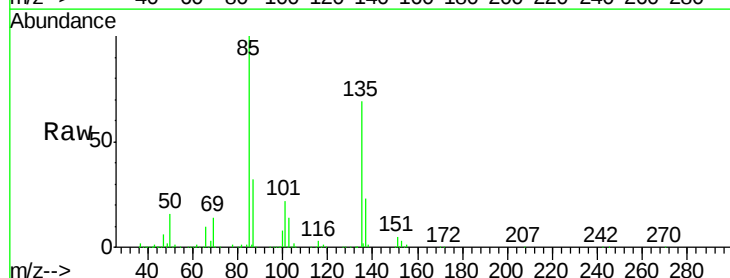
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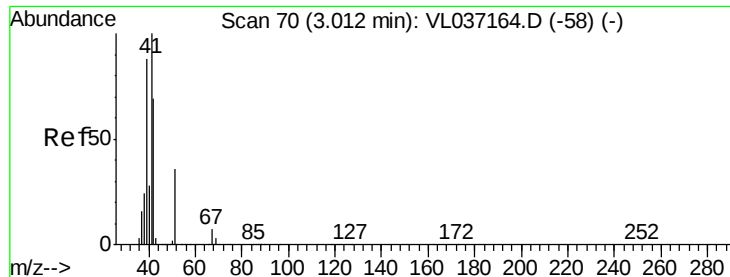
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#8
Dichlorotetrafluoroethane
Concen: 9.200 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
85	100		
135	73.6	60.4	90.6





#9

Propene

Concen: 8.610 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Tot Ion: 41 Resp: 711602

Ion Ratio Lower Upper

41 100

42 67.3 54.5 81.7

Instrument :

MSVOA_L

ClientSampleId :

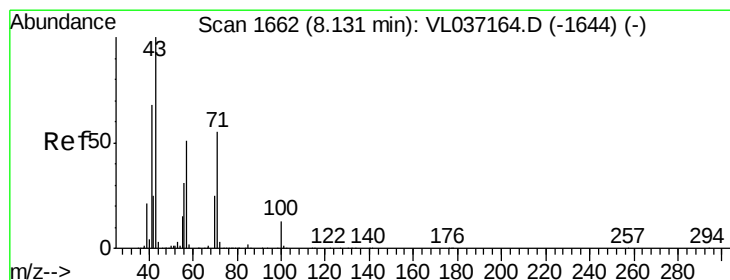
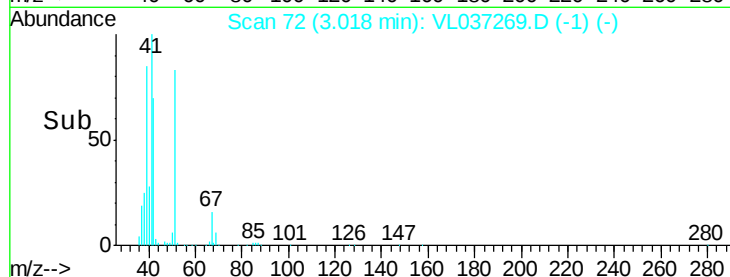
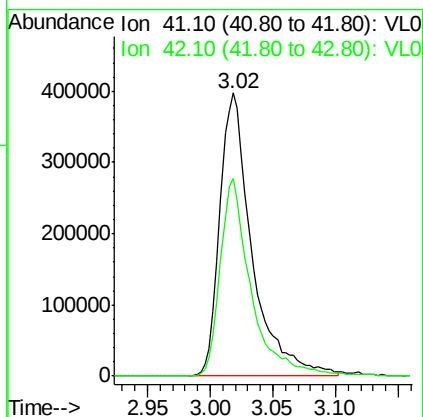
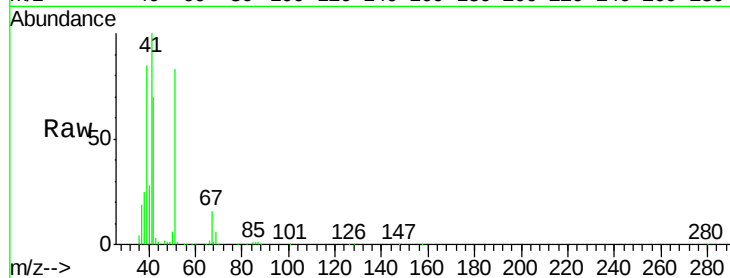
VL0702ABS01

Manual Integrations

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#10

Heptane

Concen: 9.295 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL037269.D

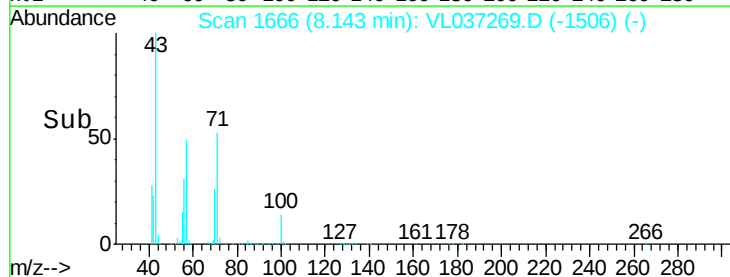
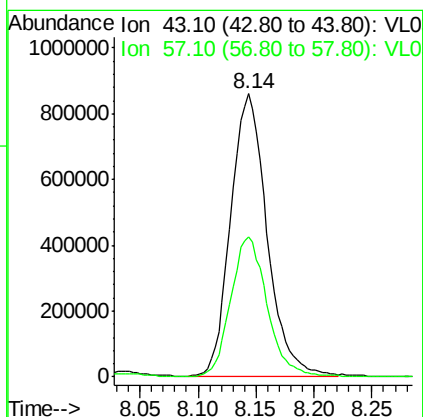
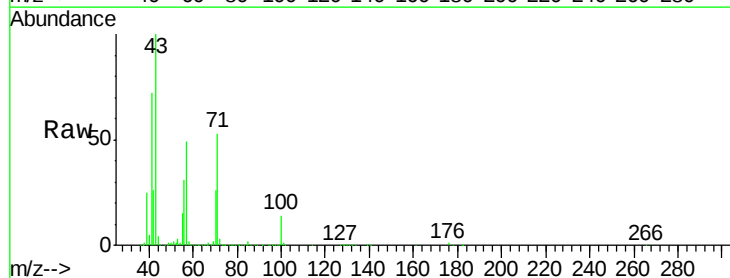
Acq: 2 Jul 2021 11:16

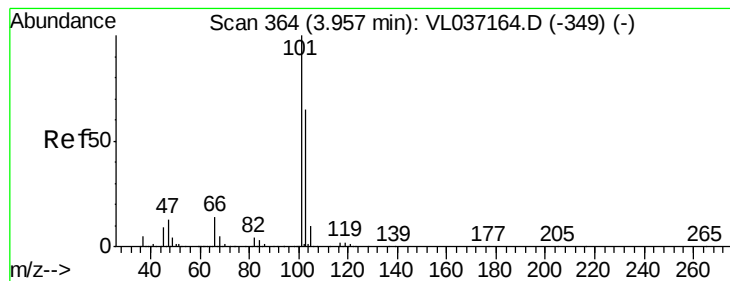
Tgt Ion: 43 Resp: 1860519

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0





#11

Trichlorofluoromethane

Concen: 9.509 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion:101 Resp: 2345558

Ion Ratio Lower Upper

101 100

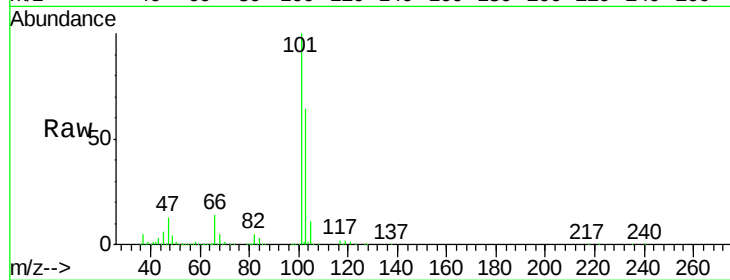
103 64.4 52.2 78.4

Manual Integrations

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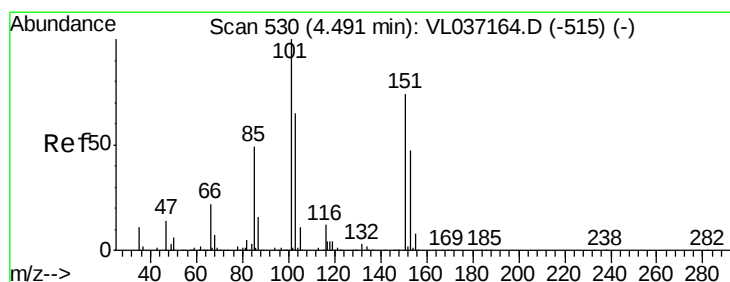
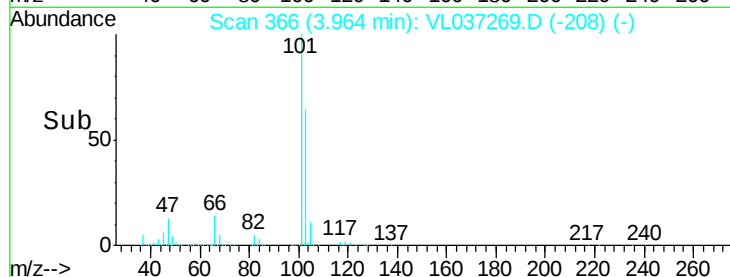
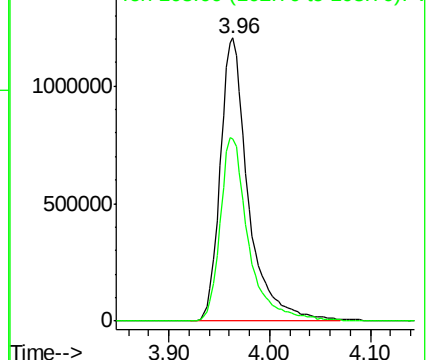
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.873 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.01 min

Lab File: VL037269.D

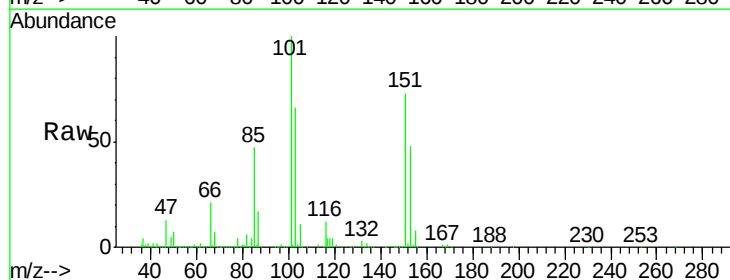
Acq: 2 Jul 2021 11:16

Tgt Ion:101 Resp: 1716787

Ion Ratio Lower Upper

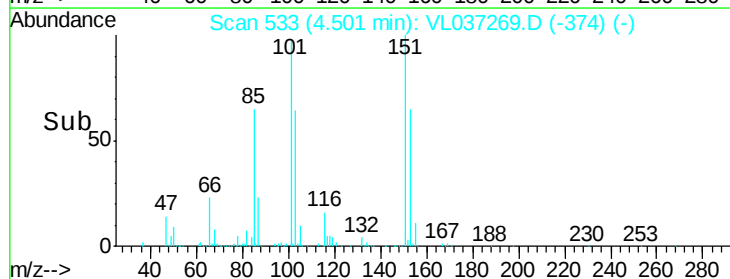
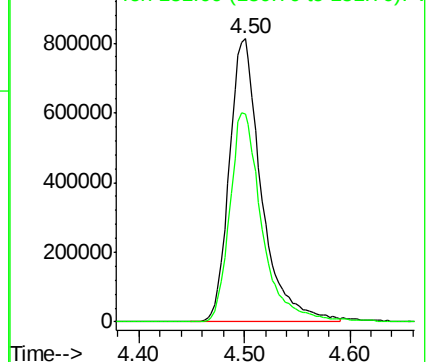
101 100

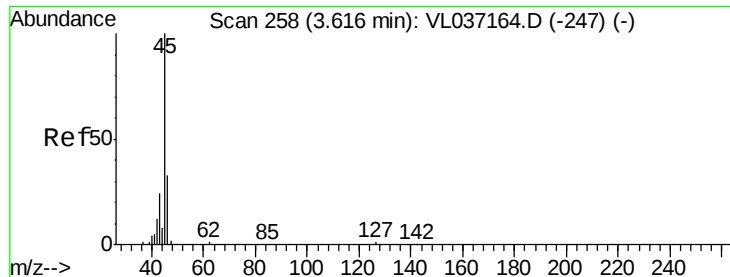
151 74.4 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





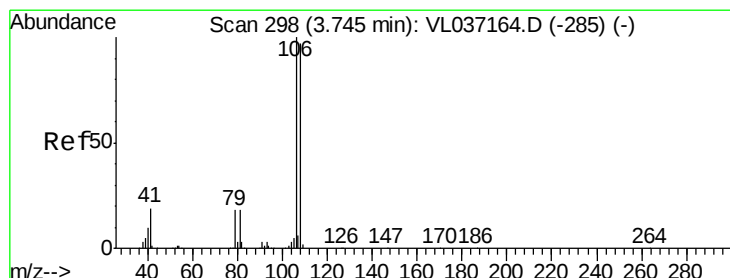
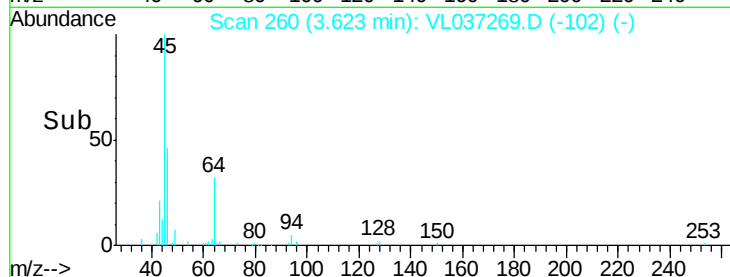
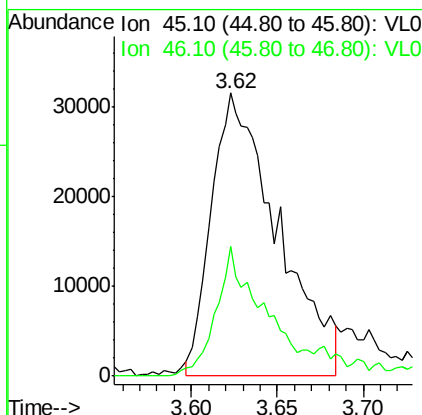
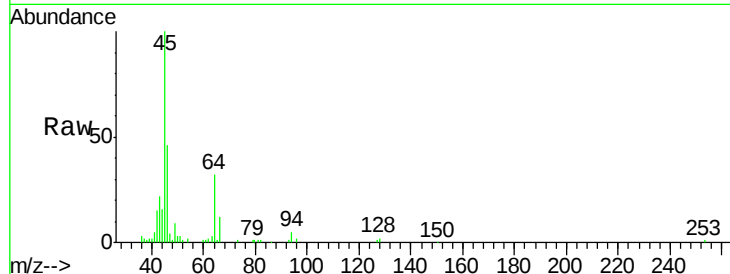
#13
Ethanol
Concen: 6.618 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 45 Resp: 84612
Ion Ratio Lower Upper
45 100
46 36.4 34.2 137.0

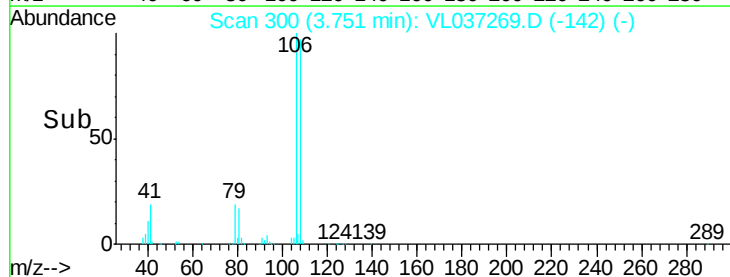
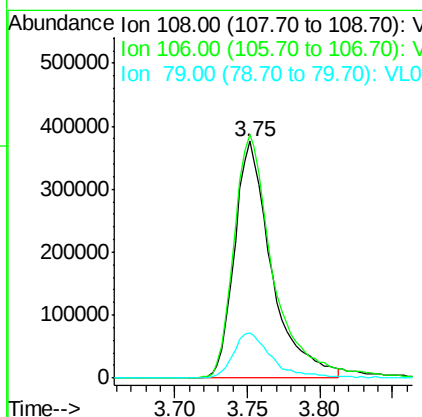
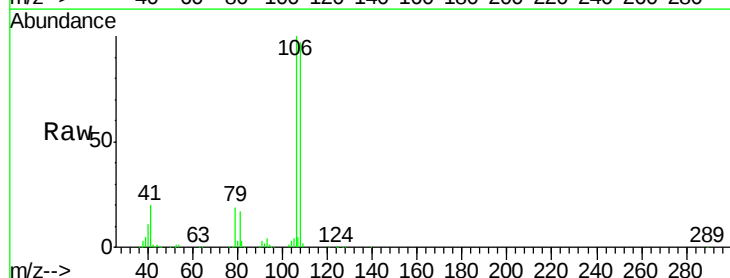
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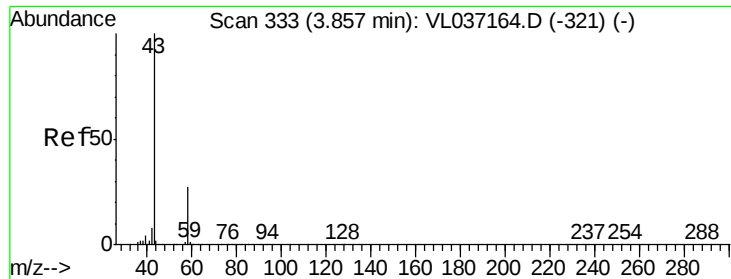
MMDadoda
7/6/2021 6:44:24 PM



#14
Bromoethene
Concen: 9.218 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 108 Resp: 668984
Ion Ratio Lower Upper
108 100
106 110.7 86.8 130.2
79 20.7 15.6 23.4





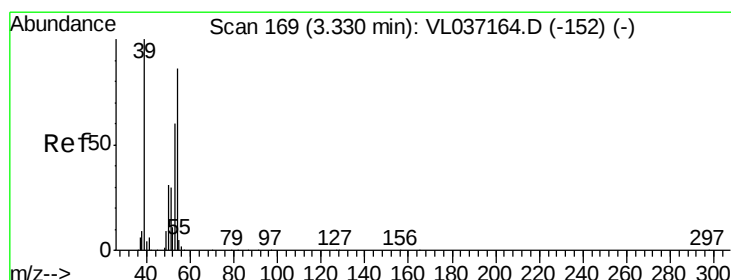
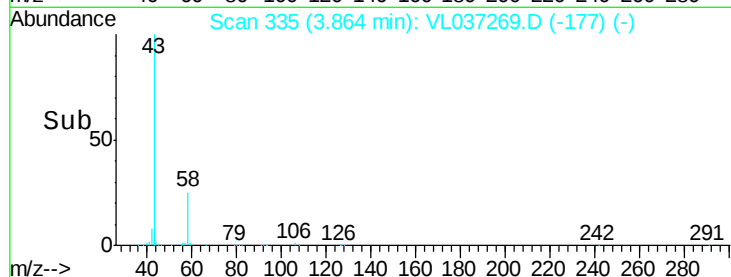
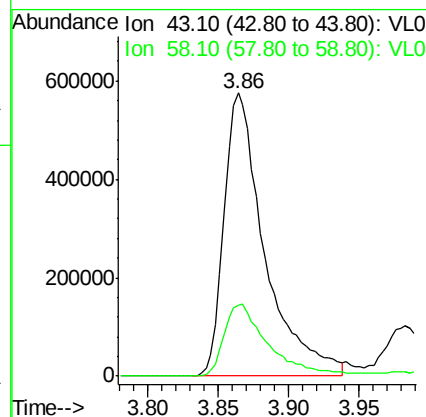
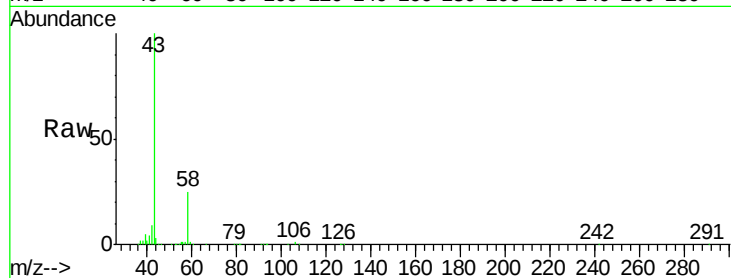
#15
Acetone
Concen: 7.715 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 43 Resp: 1156517
Ion Ratio Lower Upper
43 100
58 28.1 23.7 35.5

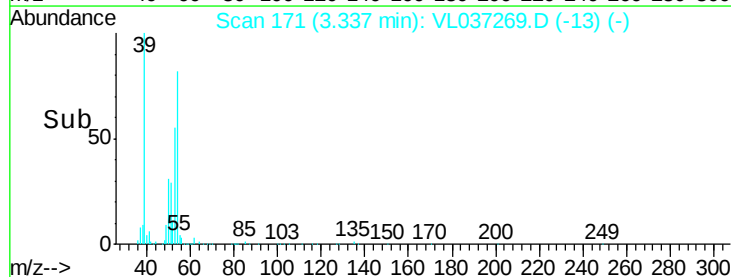
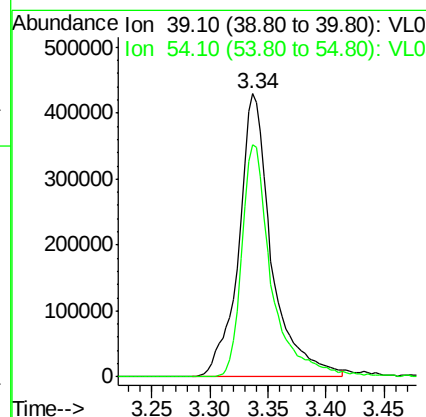
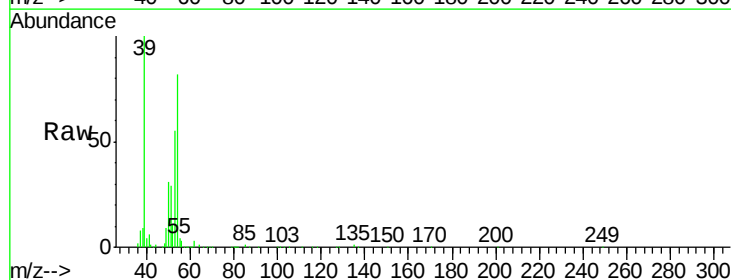
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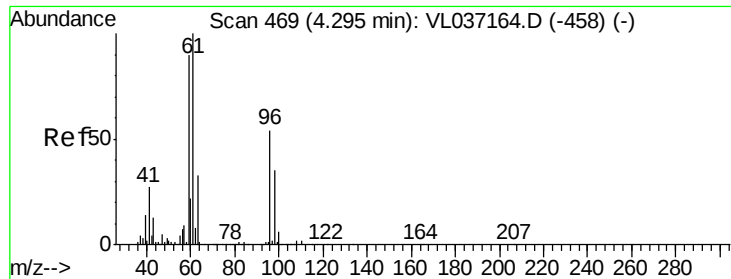
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#16
1,3-Butadiene
Concen: 9.494 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 39 Resp: 841287
Ion Ratio Lower Upper
39 100
54 75.2 61.2 91.8





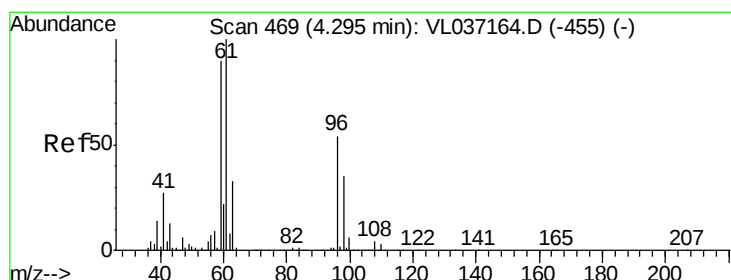
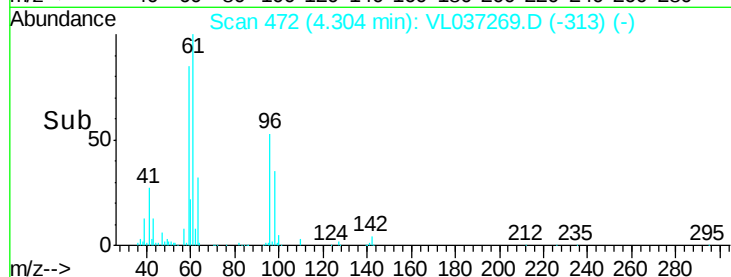
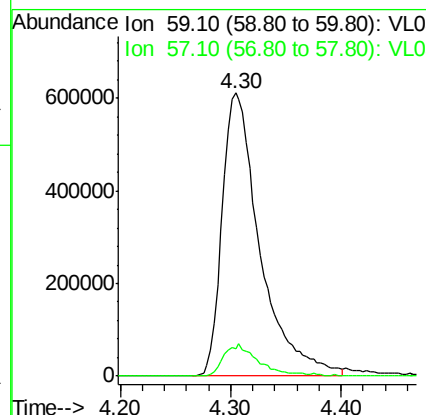
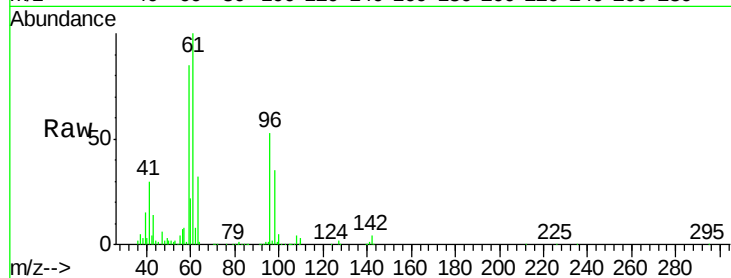
#17
tert-Butyl alcohol
Concen: 10.485 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 59 Resp: 1452562
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

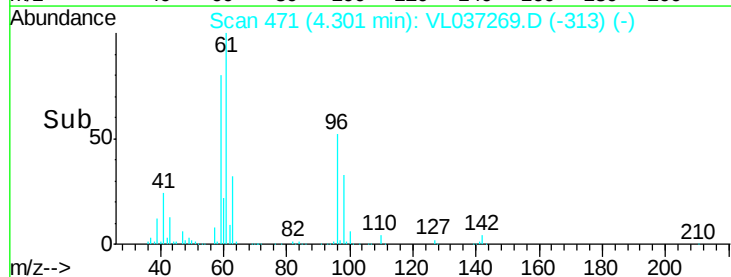
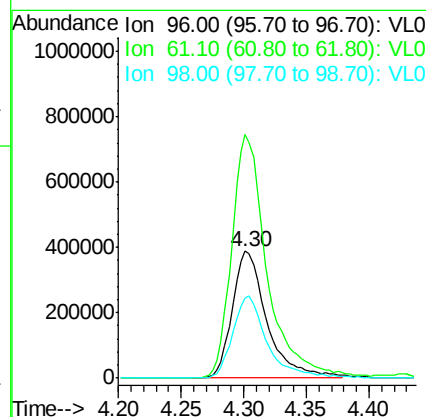
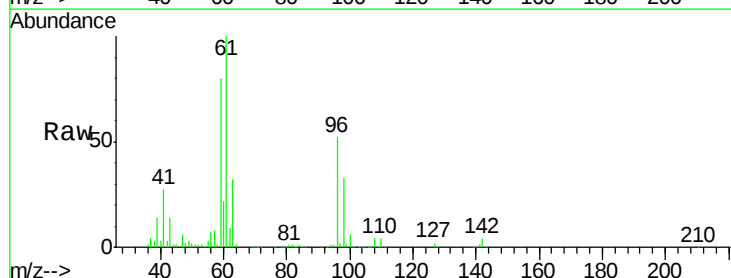
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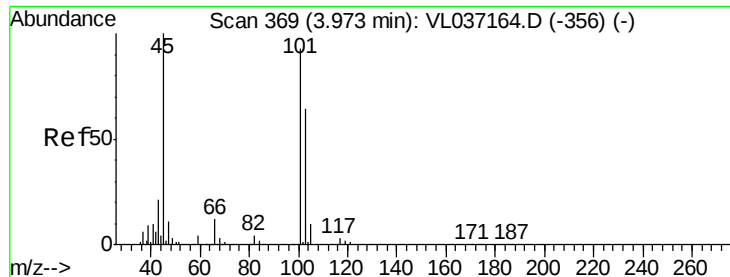
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.670 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 96 Resp: 745120
Ion Ratio Lower Upper
96 100
61 192.3 148.6 222.8
98 62.9 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.136 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion: 45 Resp: 829478

Ion Ratio Lower Upper

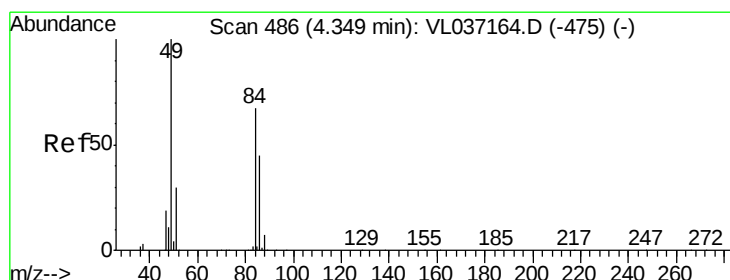
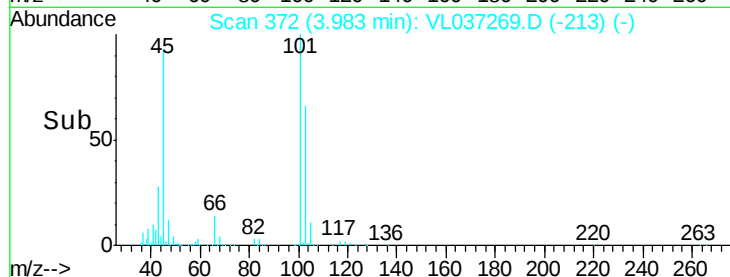
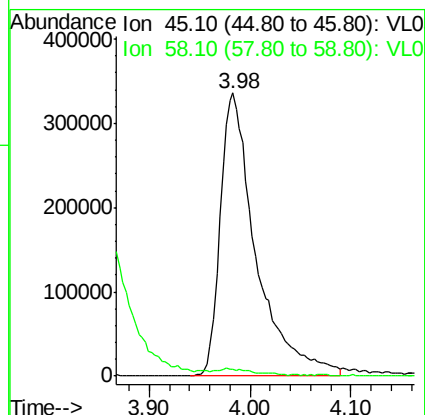
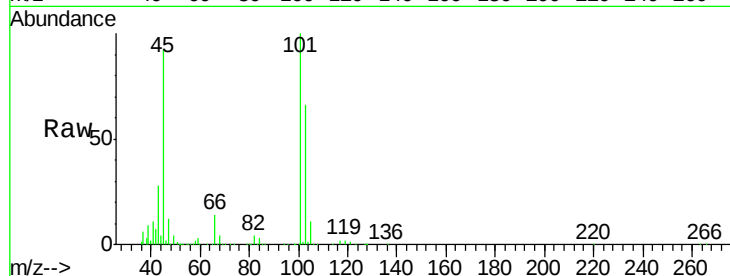
45 100

58 2.5 2.4 3.6

Manual Integrations
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#20

Methylene Chloride

Concen: 7.093 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Tgt Ion: 84 Resp: 636502

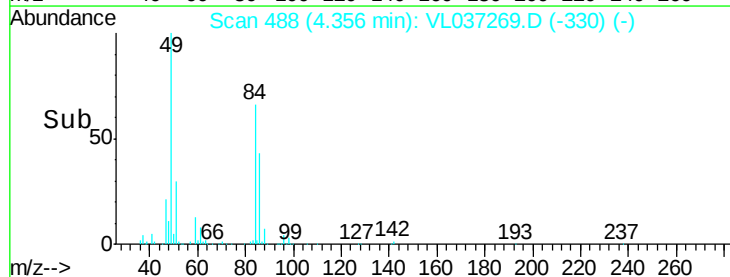
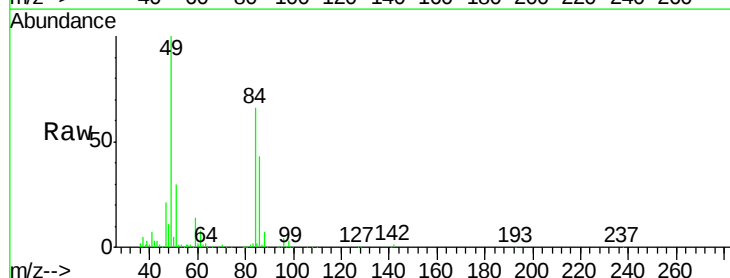
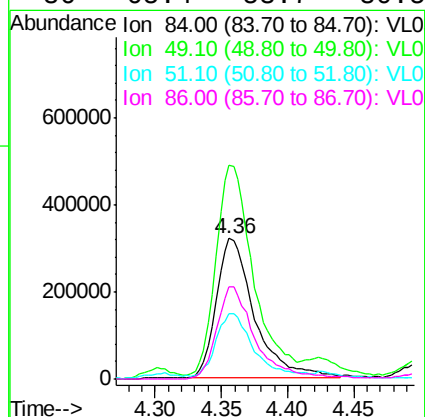
Ion Ratio Lower Upper

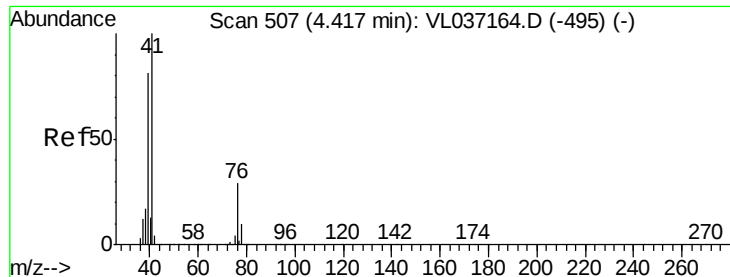
84 100

49 149.4 119.7 179.5

51 44.7 36.1 54.1

86 65.4 53.7 80.5





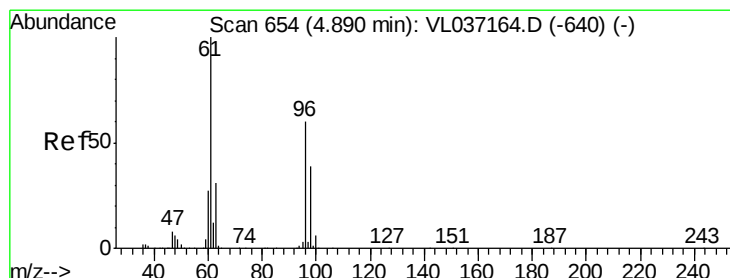
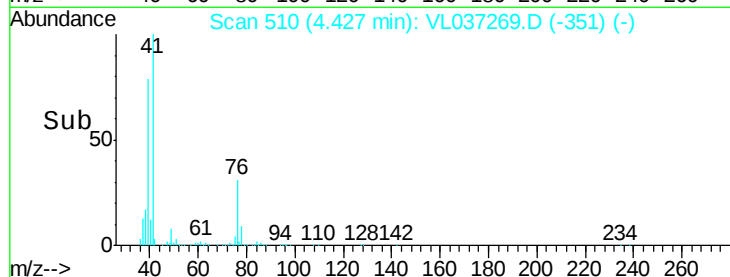
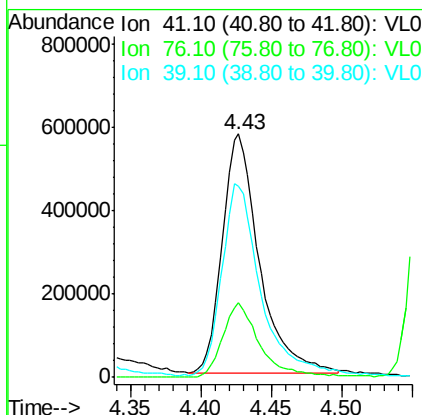
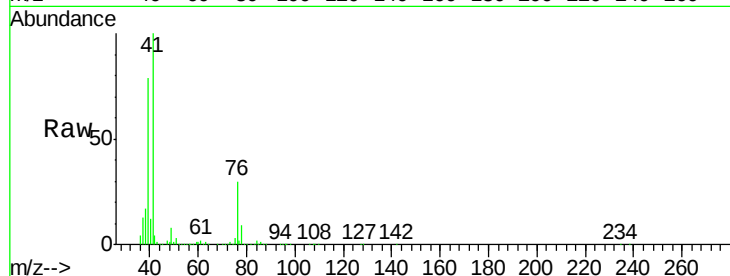
#21
Allvl Chloride
Concen: 9.366 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.6	37.0
39	84.6	65.4	98.0

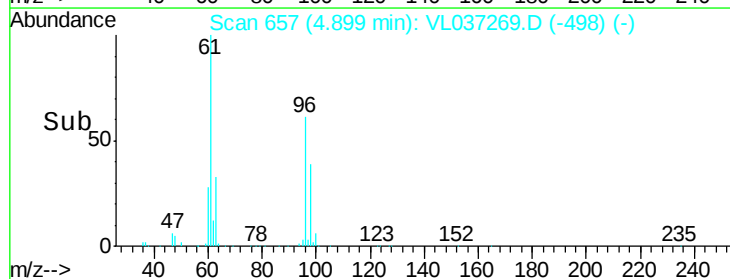
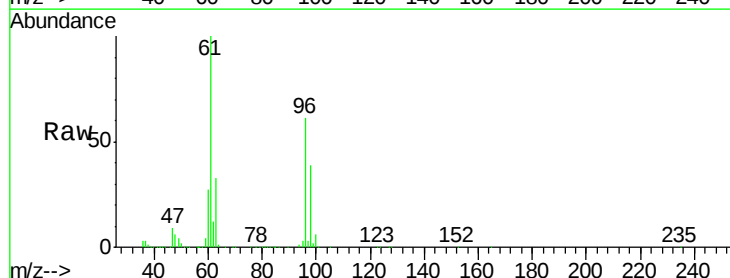
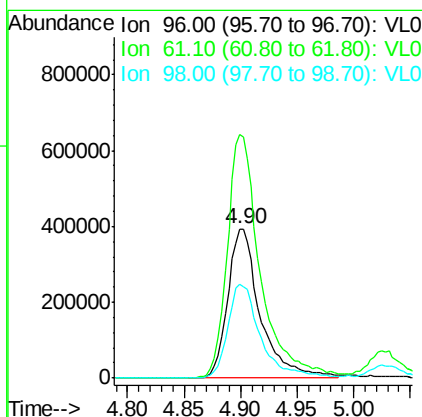
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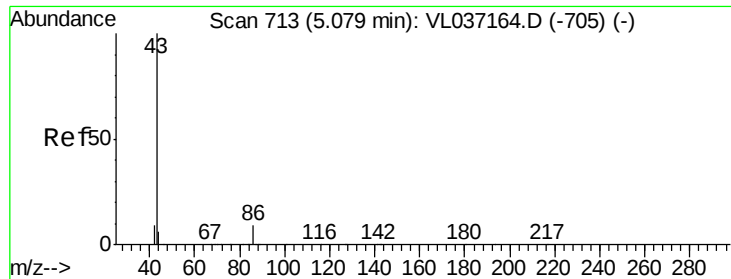
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#22
trans-1,2-Dichloroethene
Concen: 10.339 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	133.9	200.9
98	62.9	52.9	79.3





#23

Vinyl Acetate

Concen: 8.600 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion: 43 Resp: 1848419

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

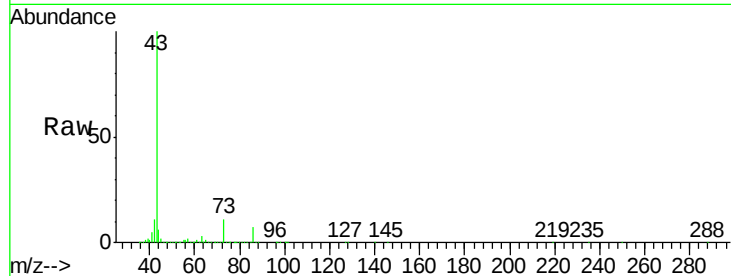
42 10.5 8.2 12.2

44 5.2 4.2 6.4

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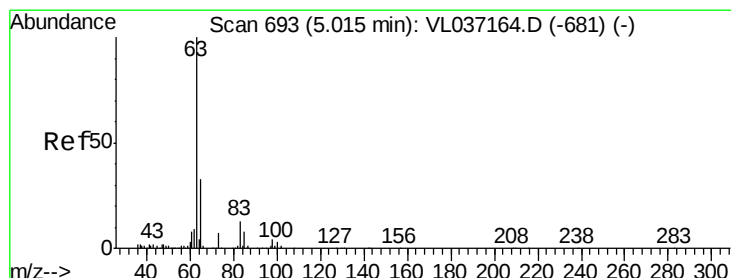
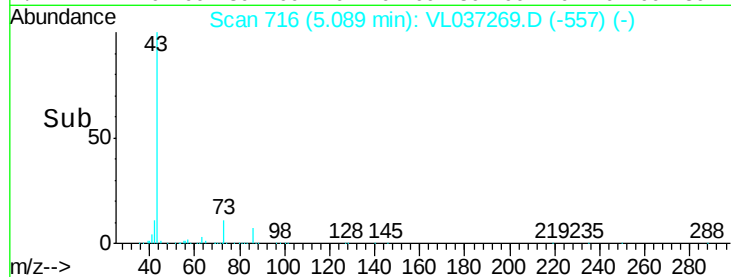
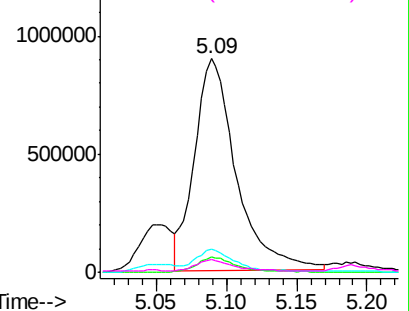


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.955 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

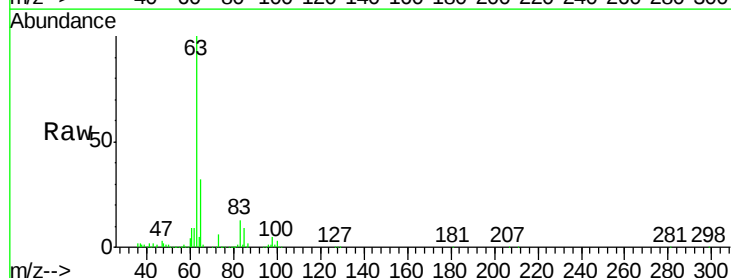
Tgt Ion: 63 Resp: 1549599

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

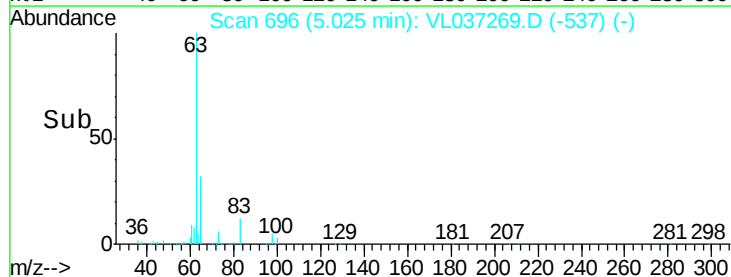
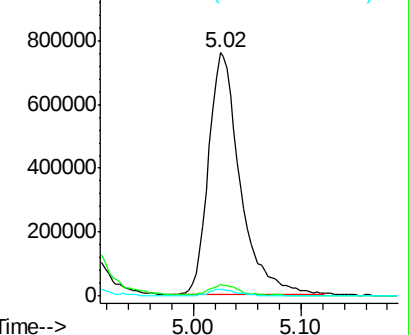
100 2.7 1.4 4.0

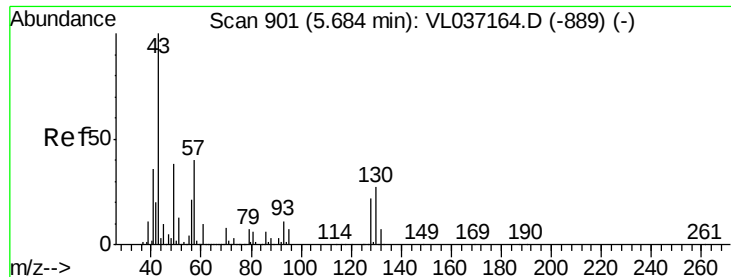


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





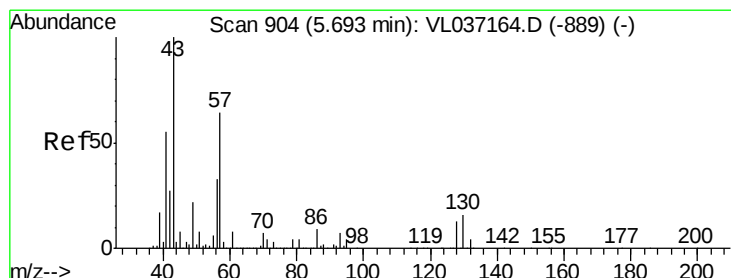
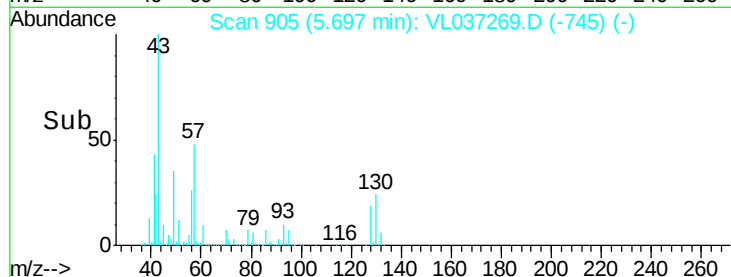
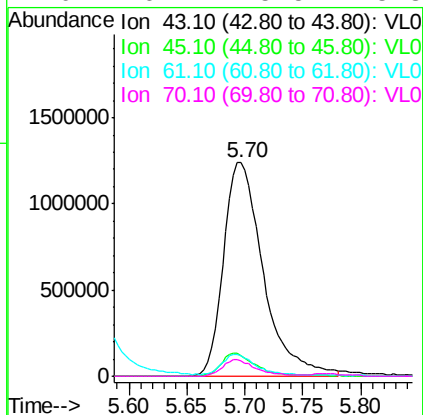
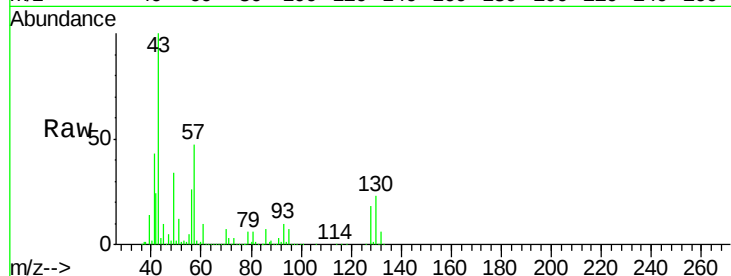
#25
Ethyl Acetate
Concen: 9.064 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	43	Resp	2941370
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.8	8.1	12.1
70	6.7	5.5	8.3

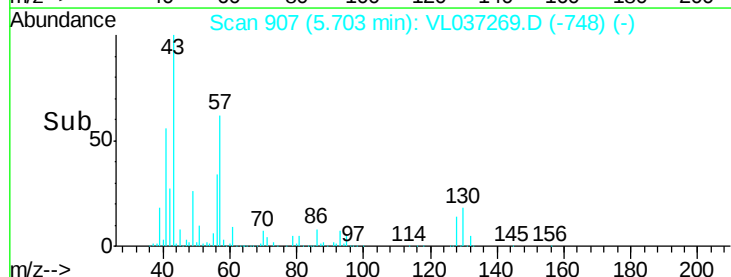
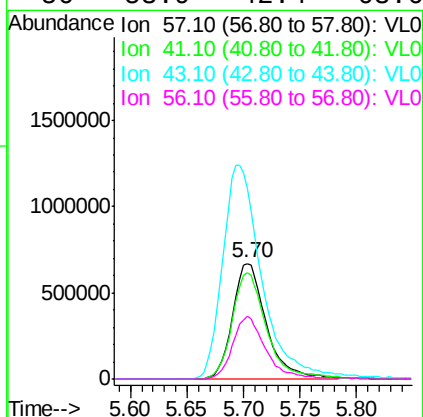
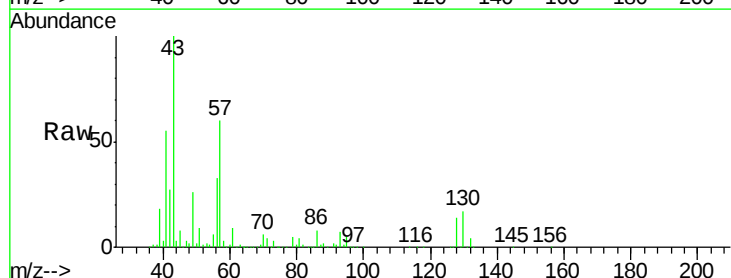
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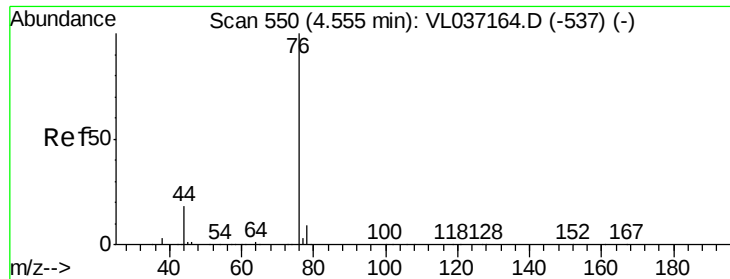
MMDadoda
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#26
Hexane
Concen: 8.486 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	57	Resp	1391875
Ion	Ratio	Lower	Upper
57	100		
41	95.0	73.5	110.3
43	215.8	170.7	256.1
56	53.9	42.4	63.6





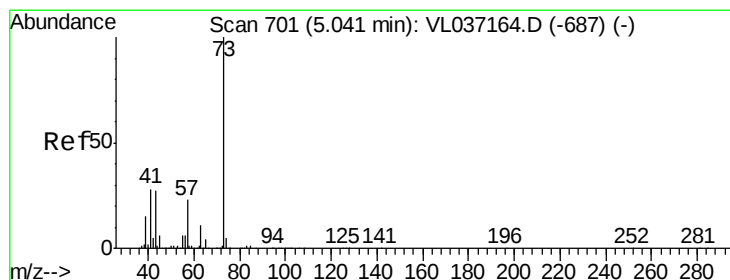
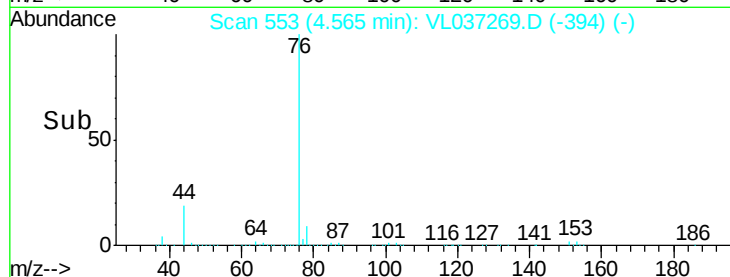
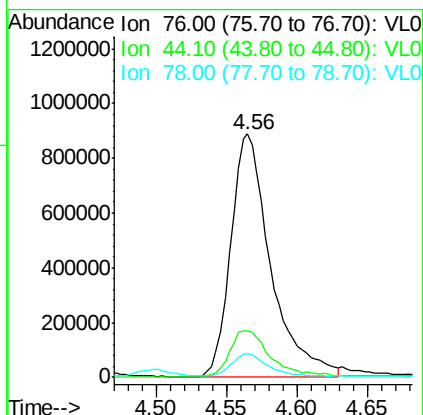
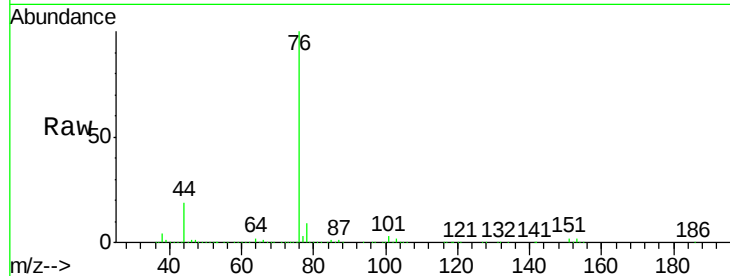
#27
Carbon Disulfide
Concen: 10.899 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.4	23.2
78	10.0	8.0	12.0

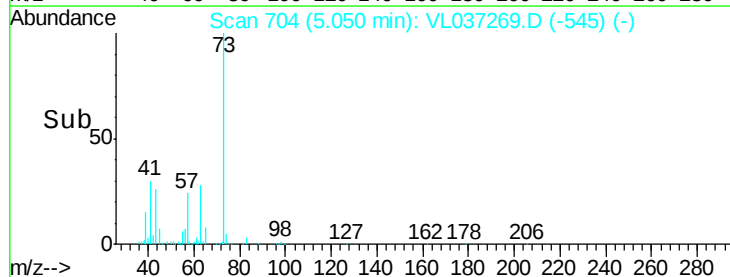
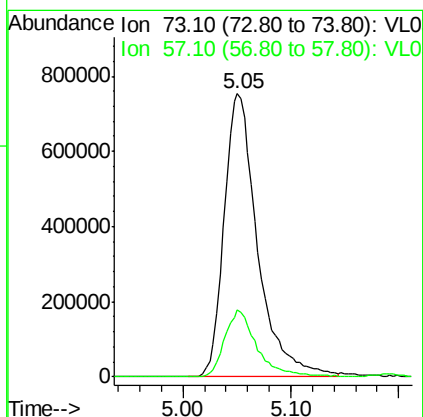
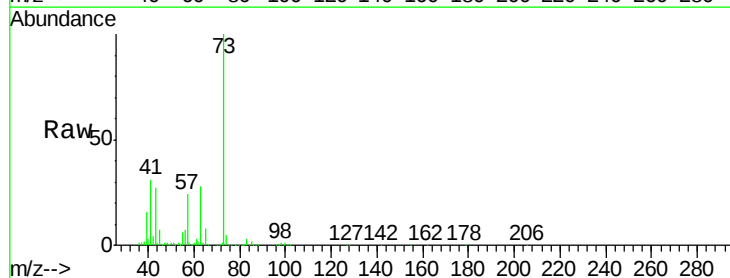
Manual Integrations
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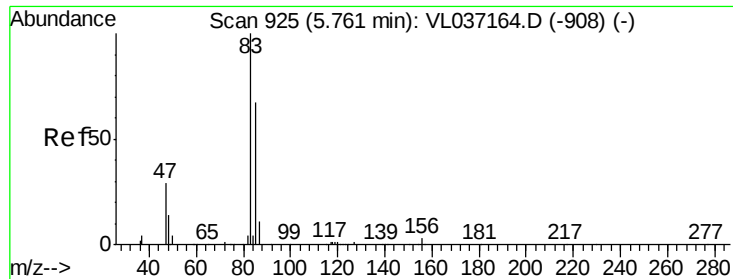
MMDadoda
7/6/2021 6:44:24 PM



#28
Methyl tert-Butyl Ether
Concen: 8.247 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.0	27.0





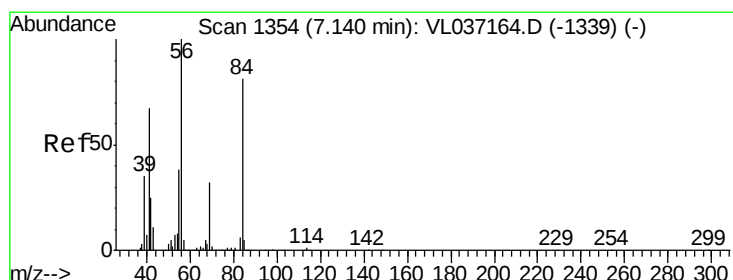
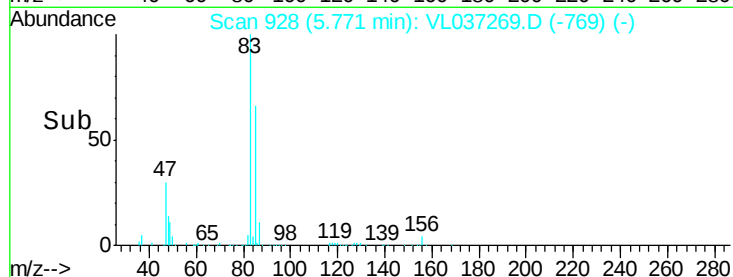
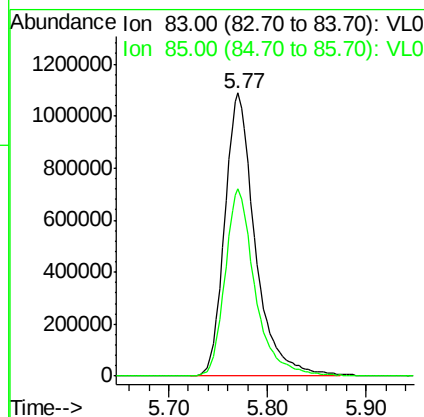
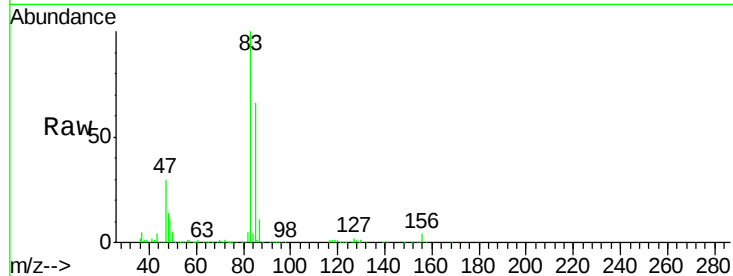
#29
Chloroform
Concen: 9.265 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 83 Resp: 2347458
Ion Ratio Lower Upper
83 100
85 66.2 53.6 80.4

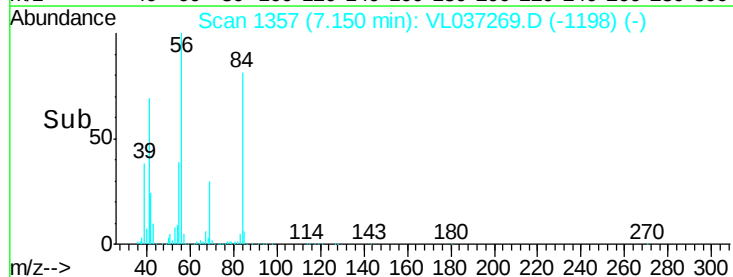
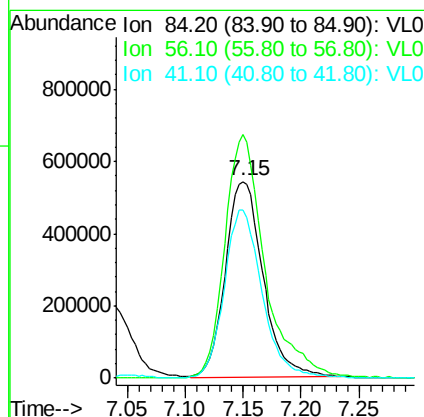
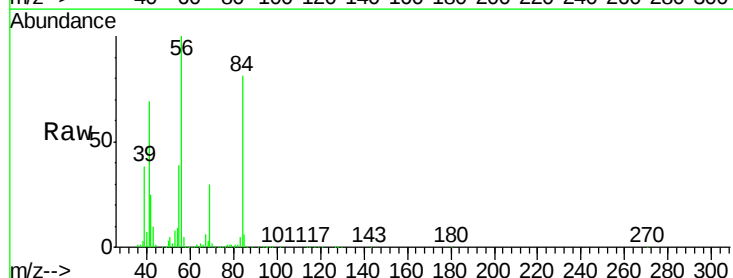
Manual Integrations
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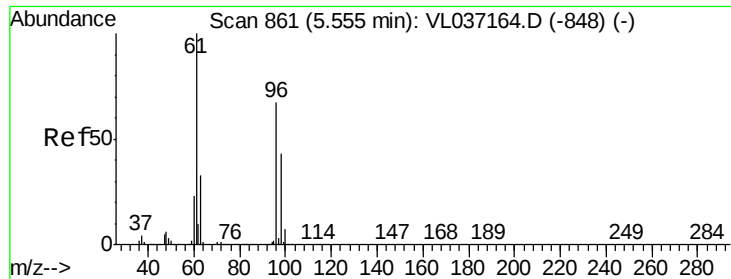
MMDadoda
7/6/2021 6:44:24 PM



#30
Cyclohexane
Concen: 8.974 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 84 Resp: 1226349
Ion Ratio Lower Upper
84 100
56 133.0 107.7 161.5
41 86.5 69.0 103.6





#31

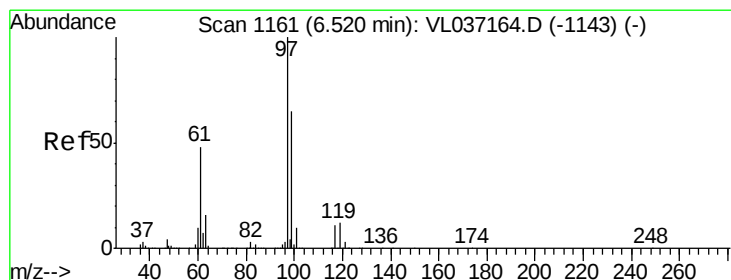
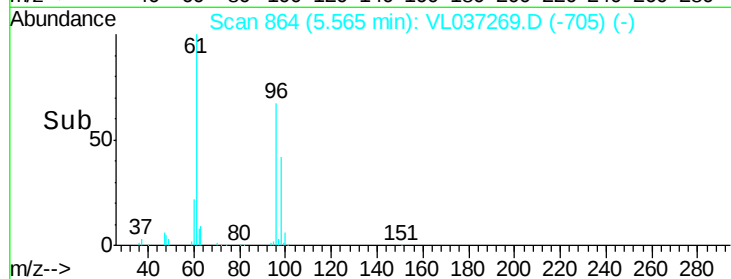
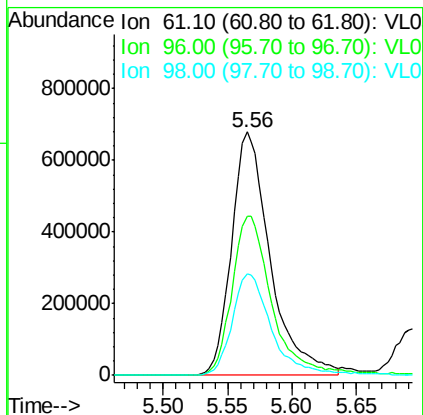
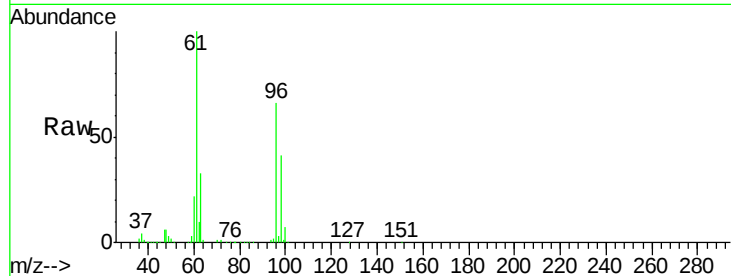
cis-1,2-Dichloroethene
Concen: 9.395 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.5	53.6	80.4
98	41.5	34.7	52.1

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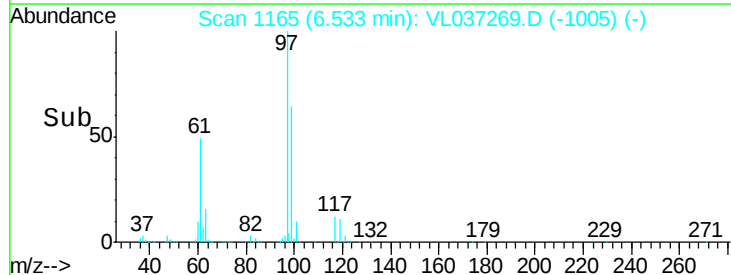
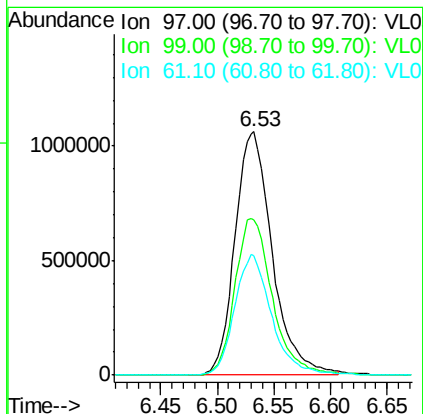
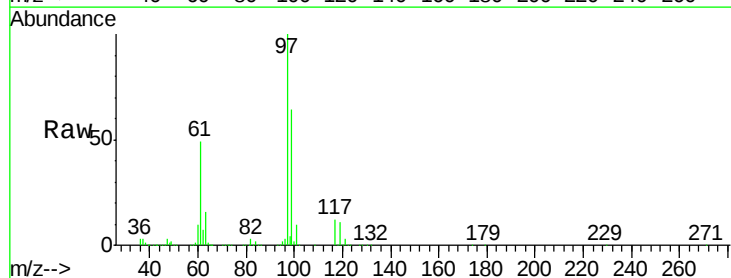
MMDadoda
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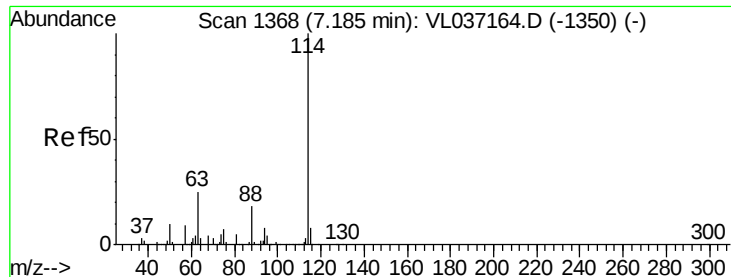


#32

1,1,1-Trichloroethane
Concen: 9.006 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.4
61	49.4	38.8	58.2





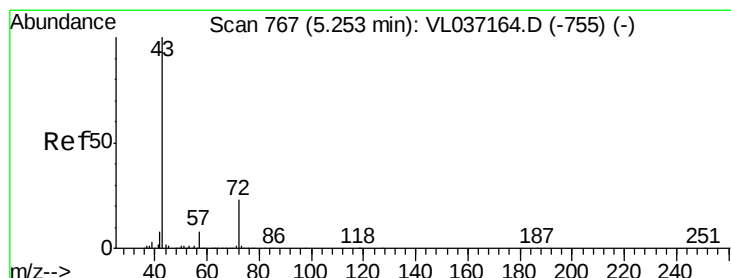
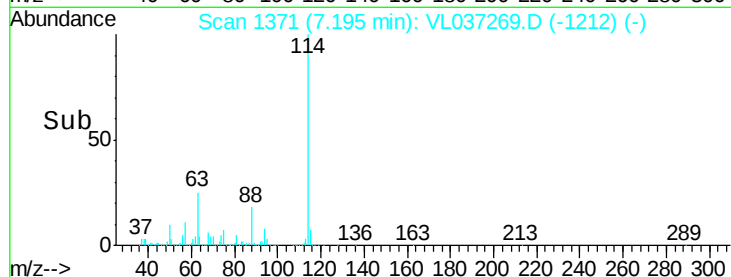
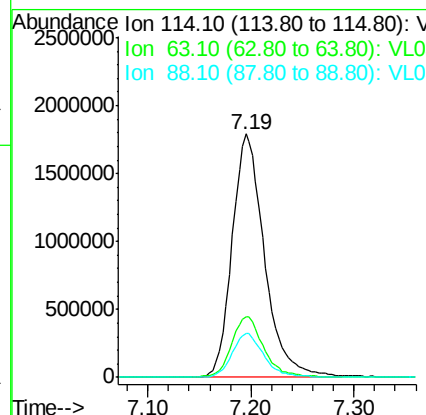
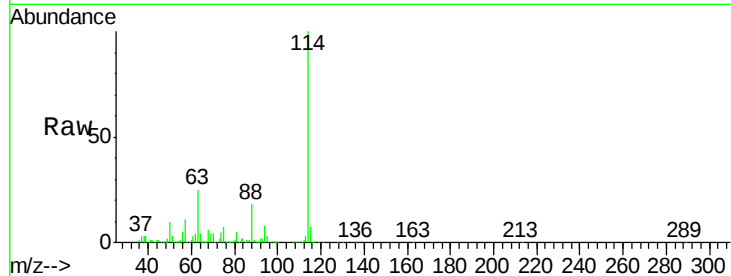
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.6	29.4
88	17.9	14.2	21.2

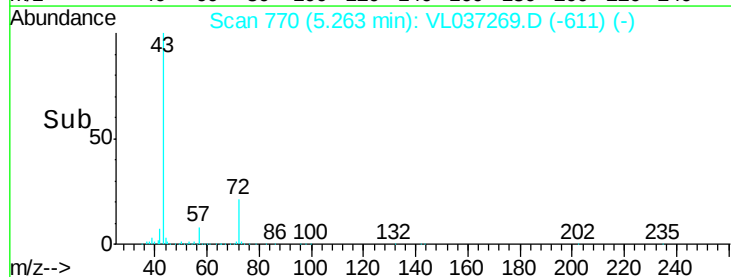
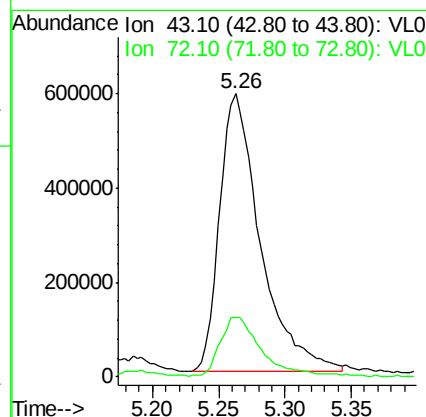
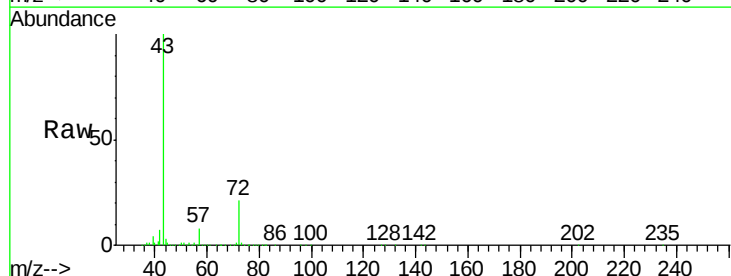
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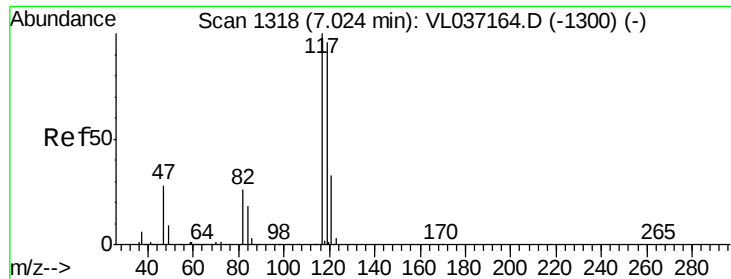
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#34
 2-Butanone
 Concen: 8.269 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.9	28.3





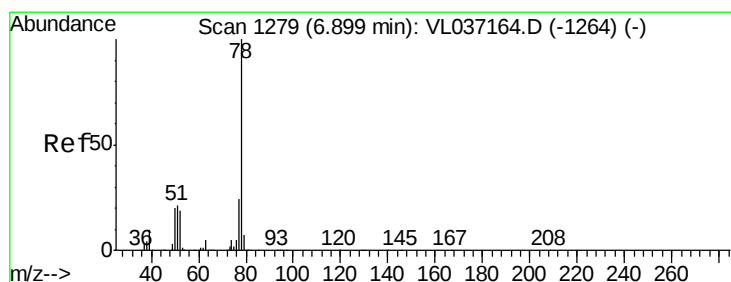
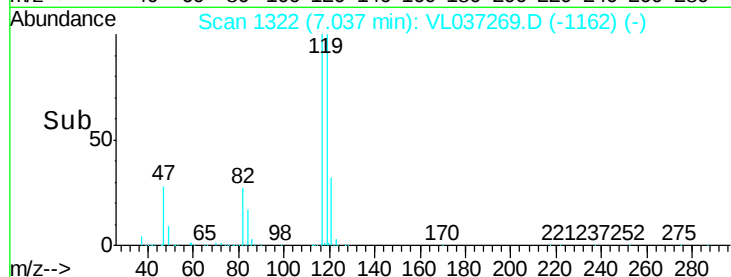
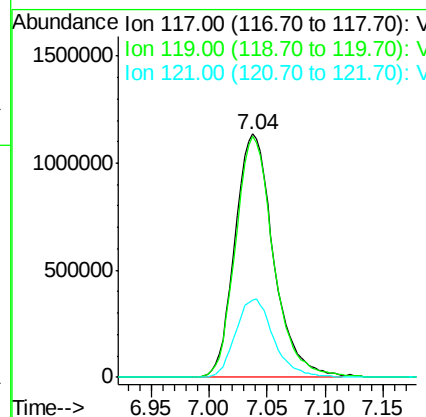
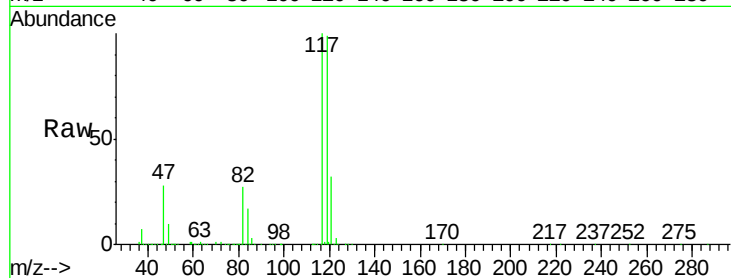
#35
Carbon Tetrachloride
Concen: 10.020 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.6	114.8
121	31.7	26.4	39.6

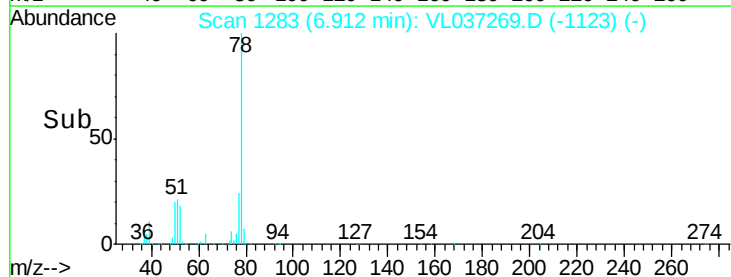
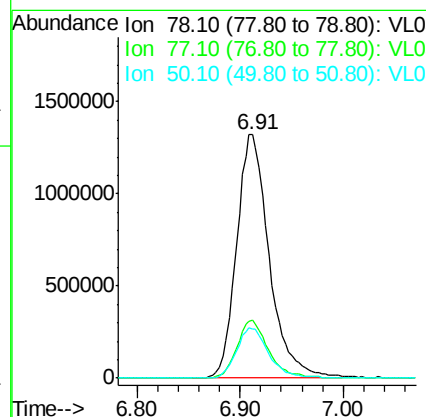
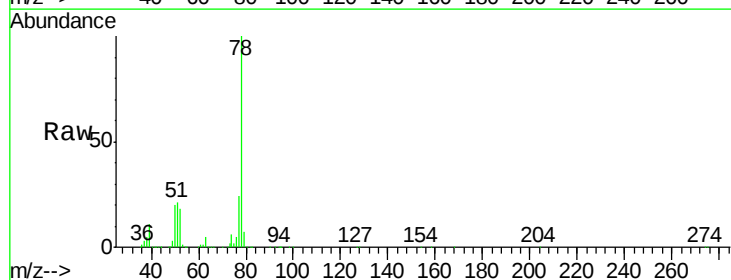
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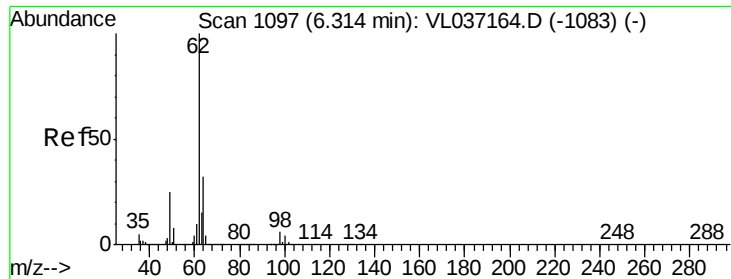
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#36
Benzene
Concen: 9.201 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6
50	20.1	15.7	23.5





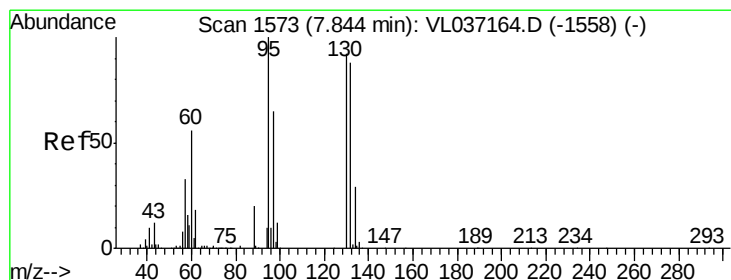
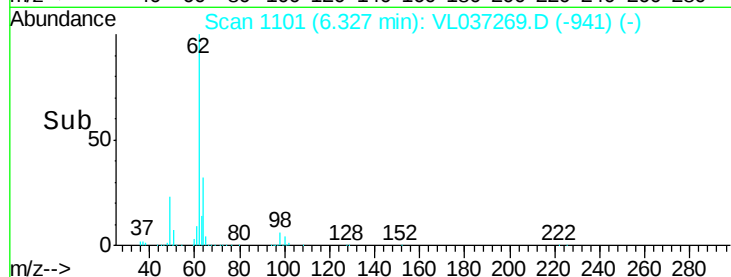
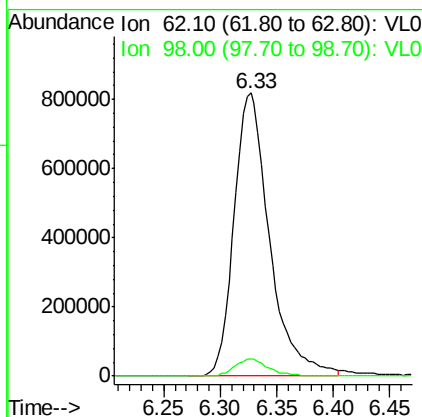
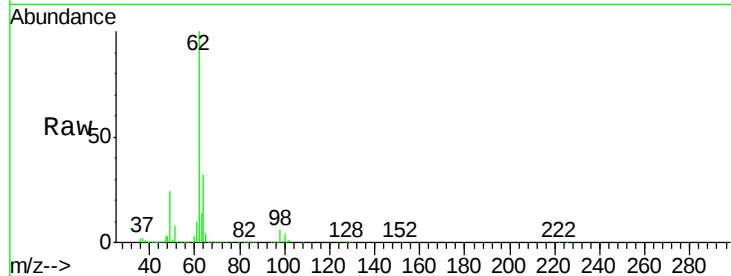
#37
 1,2-Dichloroethane
 Concen: 9.723 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion: 62 Resp: 1786871
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.0 7.6

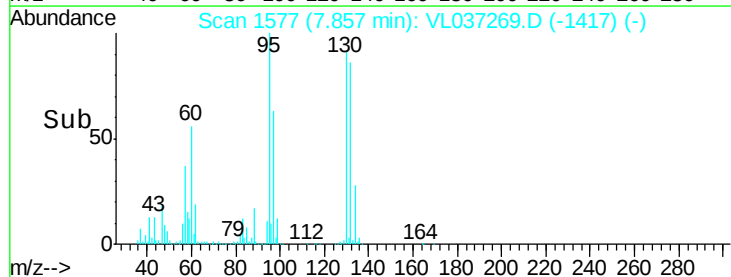
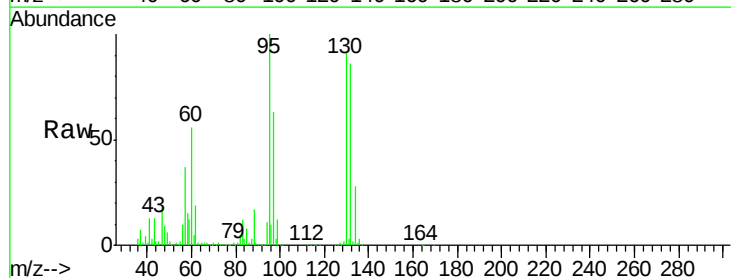
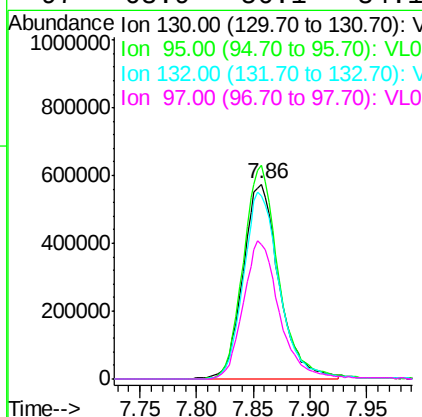
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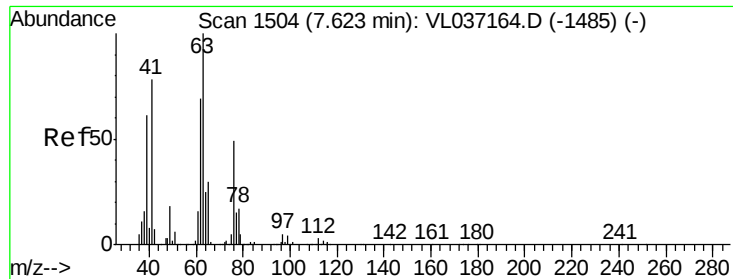
MMDadoda
 7/6/2021 6:44:24 PM



#38
 Trichloroethene
 Concen: 8.420 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion:130 Resp: 1266142
 Ion Ratio Lower Upper
 130 100
 95 110.0 86.6 129.8
 132 94.2 76.6 114.8
 97 68.9 56.1 84.1





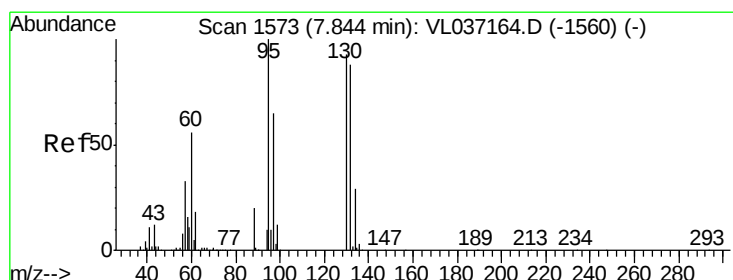
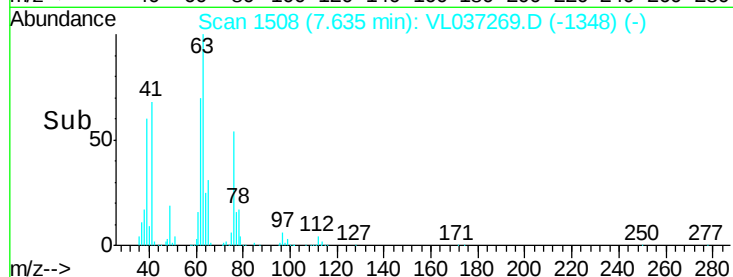
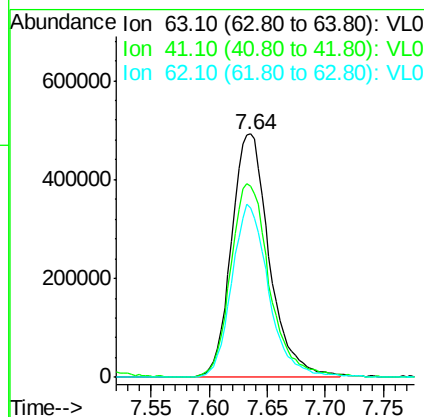
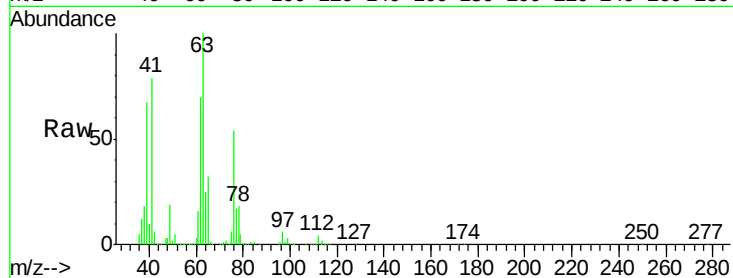
#39
 1,2-Dichloropropane
 Concen: 9.476 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.4	62.0	93.0
62	69.7	54.9	82.3

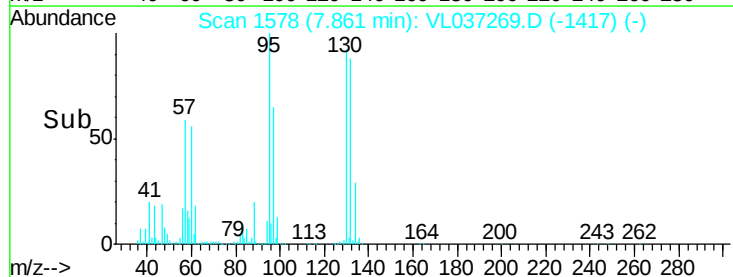
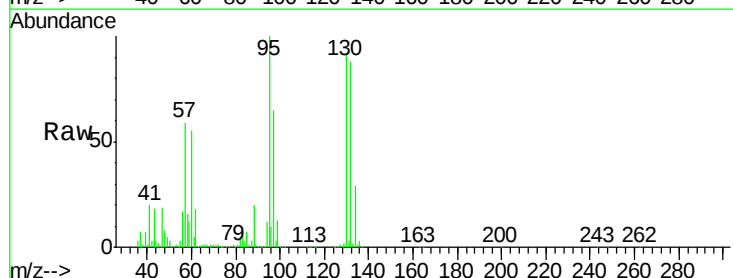
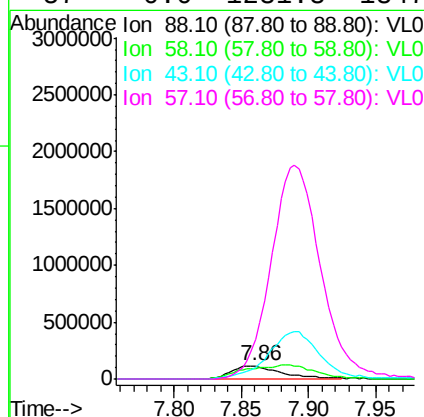
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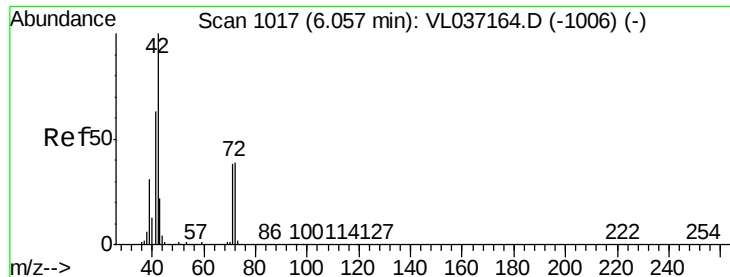
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#40
 1,4-Dioxane
 Concen: 9.217 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	118.4	177.6#
43	0.0	284.0	426.0#
57	0.0	1231.8	1847.6#





#41

Tetrahydrofuran

Concen: 9.669 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

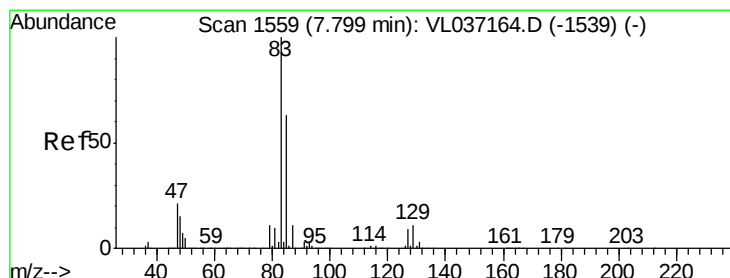
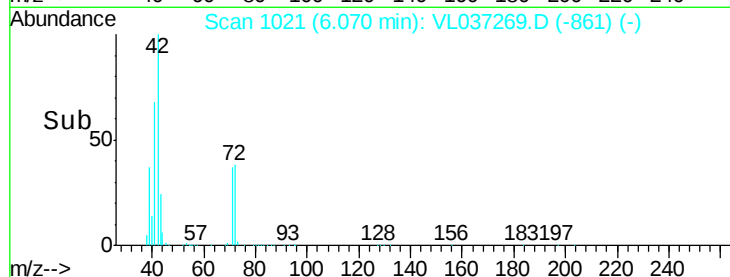
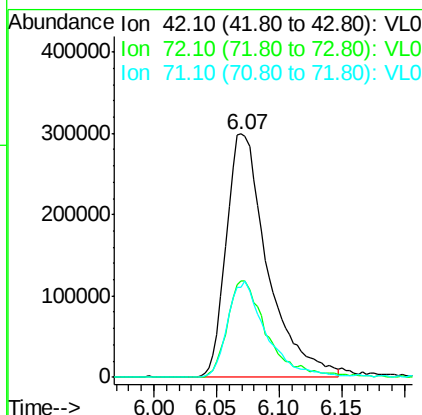
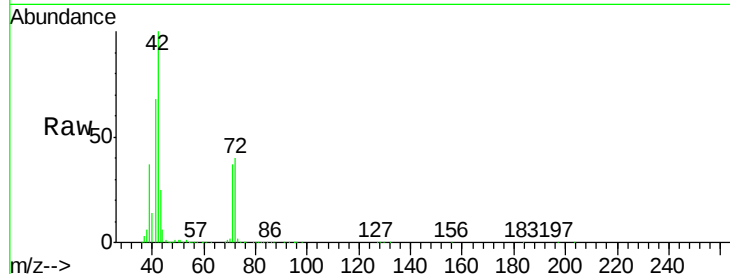
ClientSampleId :

VL0702ABS01

Tot Ion:	42	Resp:	683350
Ion Ratio		Lower	Upper
42	100		
72	39.1	33.0	49.4
71	38.0	31.0	46.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.845 ppbv

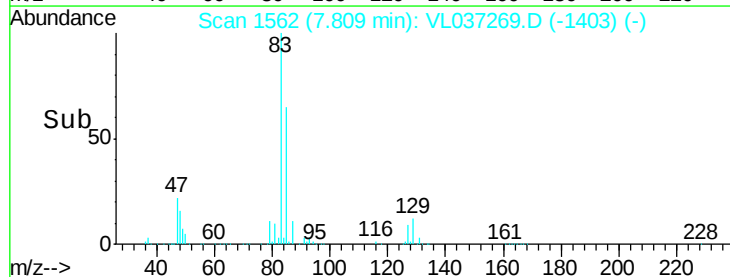
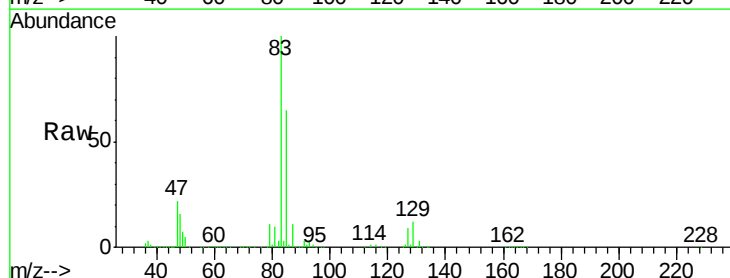
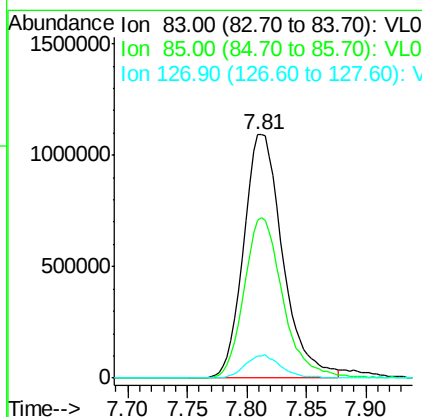
RT: 7.81 min Scan# 1562

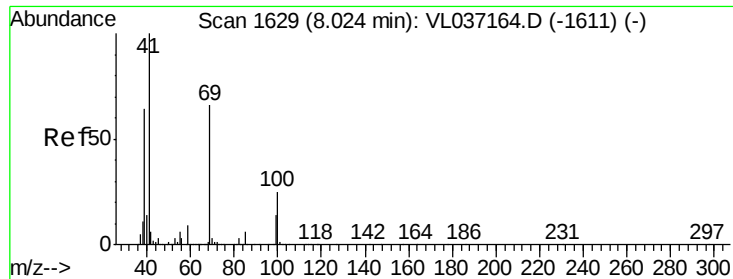
Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Tgt Ion:	83	Resp:	2496065
Ion Ratio		Lower	Upper
83	100		
85	64.7	50.8	76.2
127	9.1	7.0	10.6





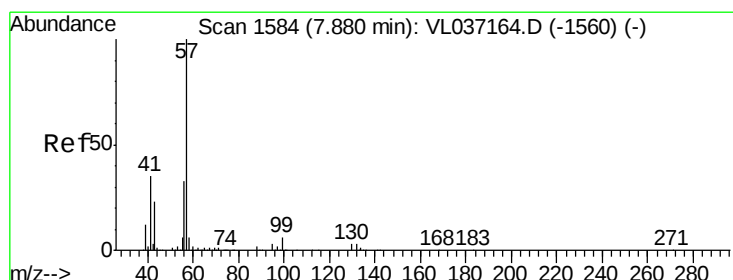
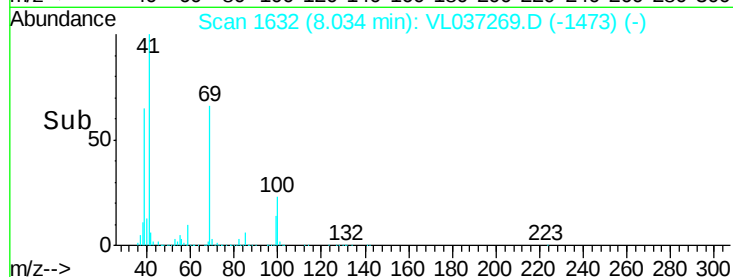
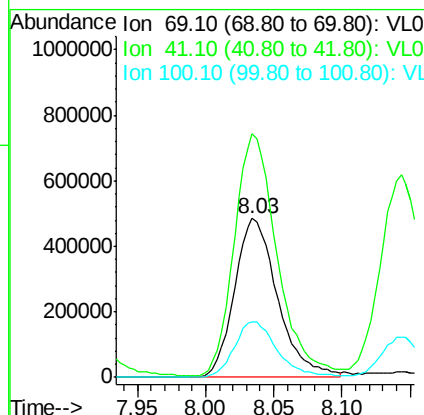
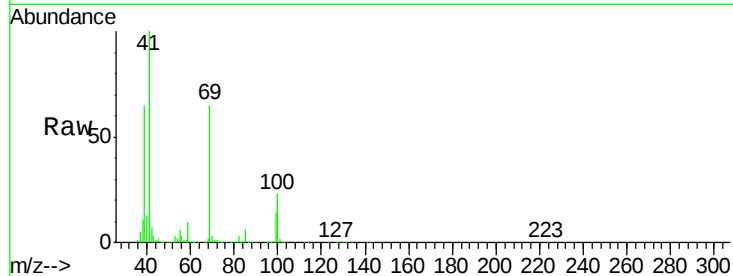
#43
Methvl Methacrilate
Concen: 9.738 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 69 Resp: 1063955
Ion Ratio Lower Upper
69 100
41 152.4 119.4 179.0
100 34.8 28.6 43.0

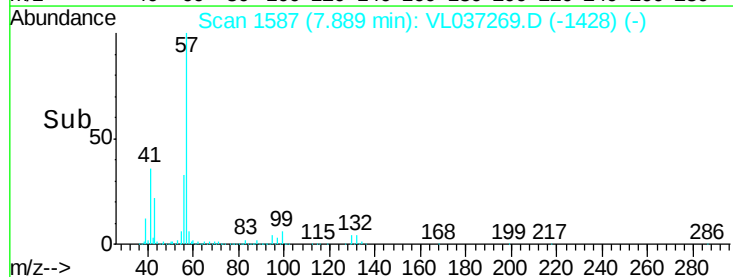
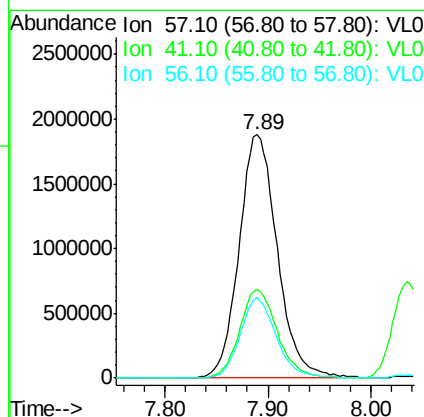
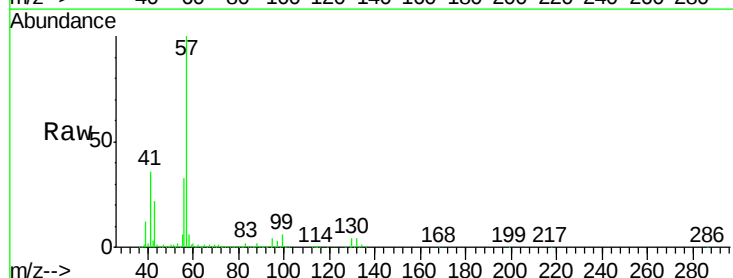
Manual Integrations
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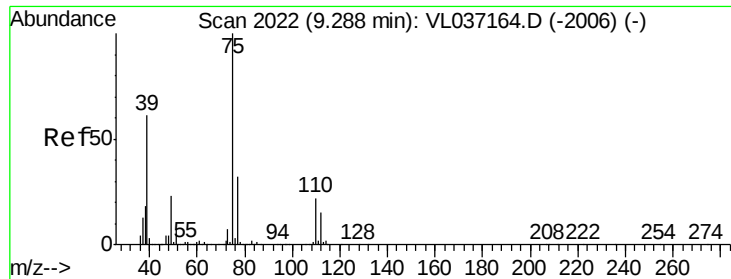
MMDadoda
7/6/2021 6:44:24 PM



#44
2,2,4-Trimethylpentane
Concen: 9.080 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 57 Resp: 4837253
Ion Ratio Lower Upper
57 100
41 36.0 27.6 41.4
56 31.4 25.3 37.9





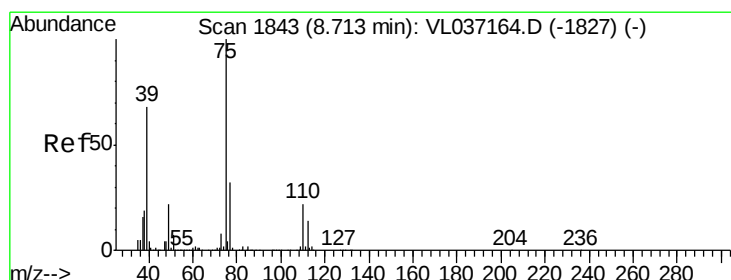
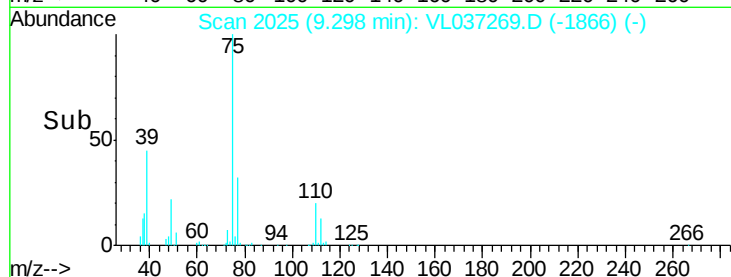
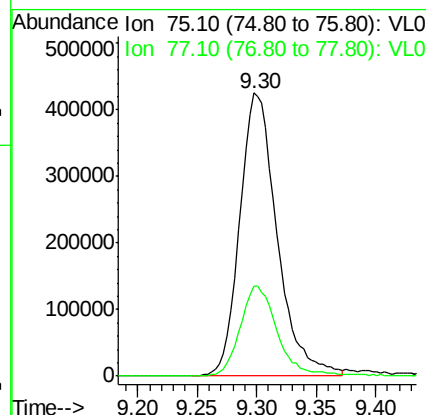
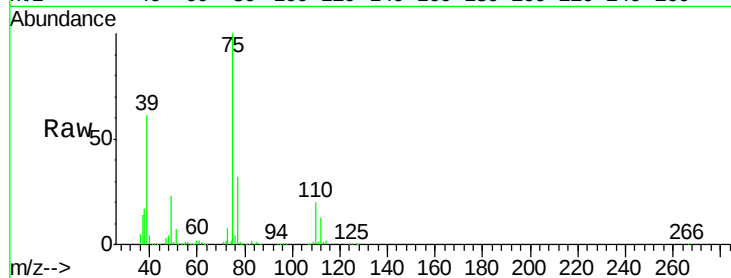
#45
t-1,3-Dichloropropene
Concen: 9.626 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 75 Resp: 927853
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

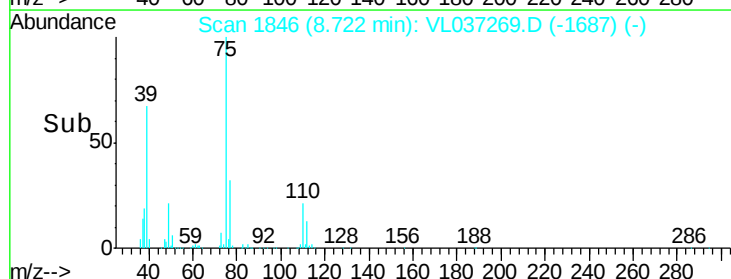
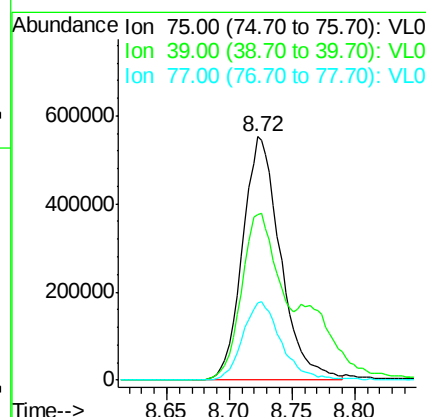
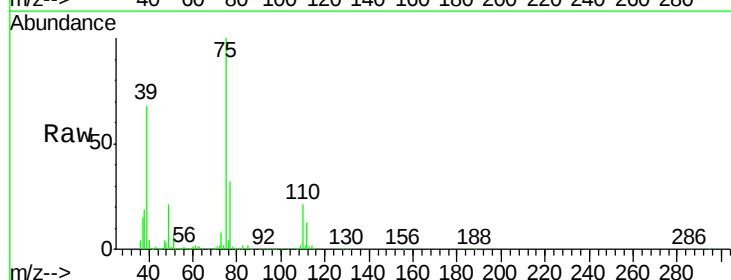
Manual Integrations
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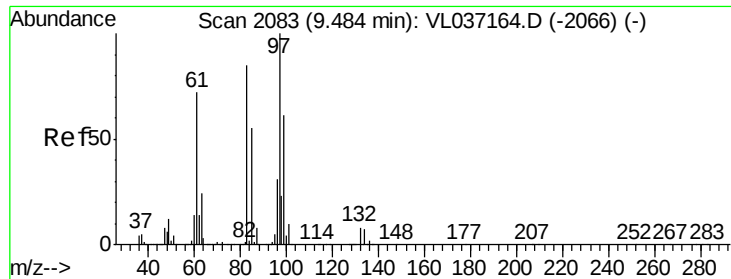
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 8.814 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 75 Resp: 1162284
Ion Ratio Lower Upper
75 100
39 67.7 54.7 82.1
77 31.9 25.8 38.8





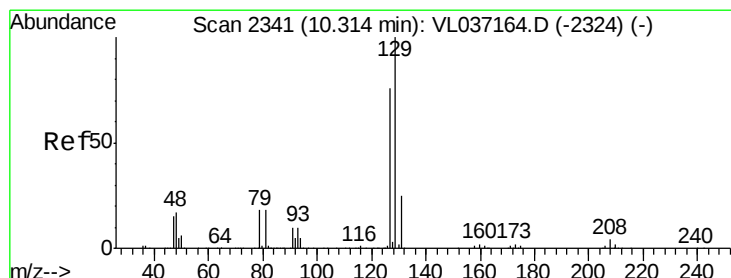
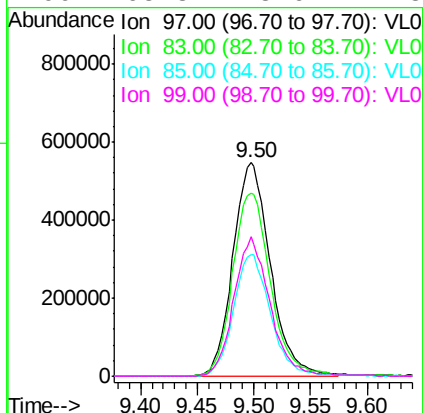
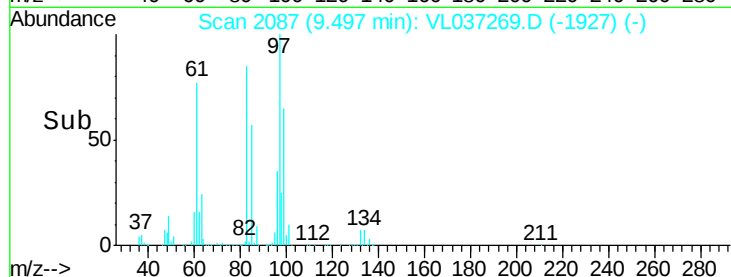
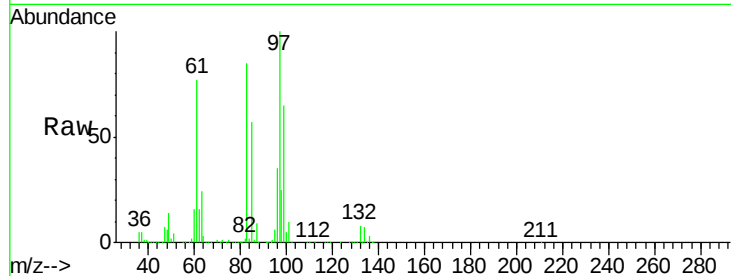
#47
 1,1,2-Trichloroethane
 Concen: 9.400 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.4	68.3	102.5	
85	56.9	44.1	66.1	
99	65.3	48.6	72.8	

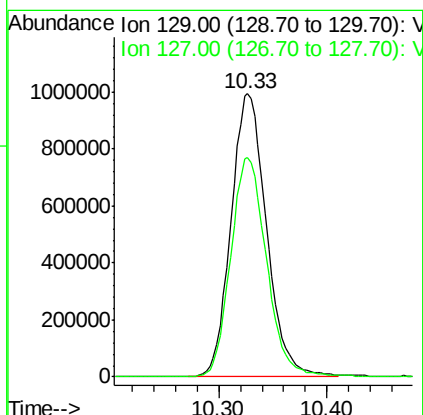
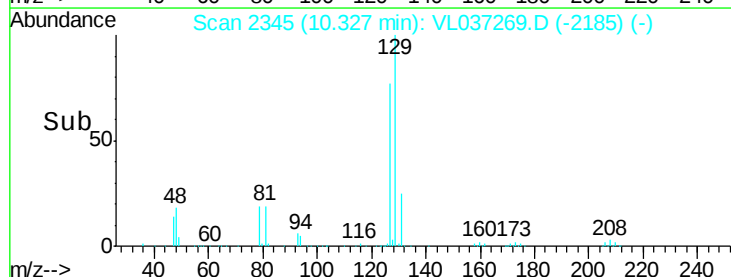
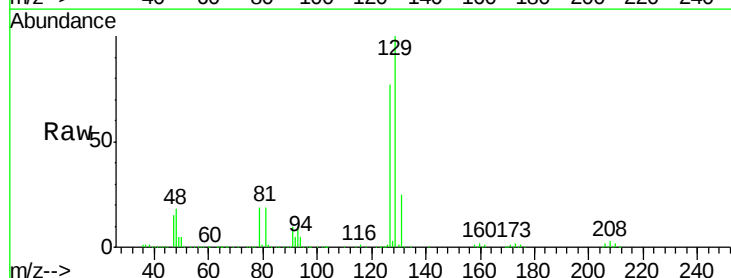
Manual Integrations
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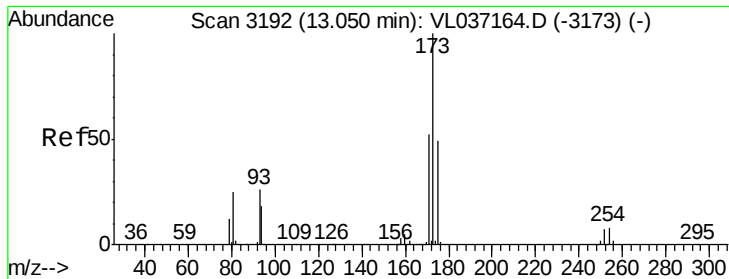
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.764 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.1	117.2	





#49

Bromoform

Concen: 11.923 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampled :

VL0702ABS01

Tot Ion:173 Resp: 1880681

Ion Ratio Lower Upper

173 100

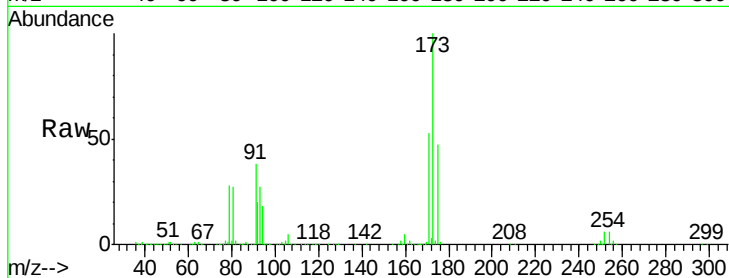
175 50.1 40.2 60.4

171 53.2 41.8 62.8

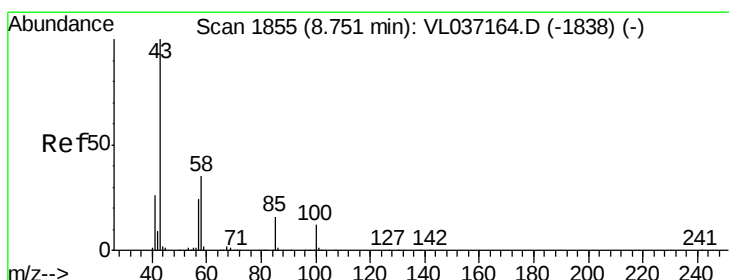
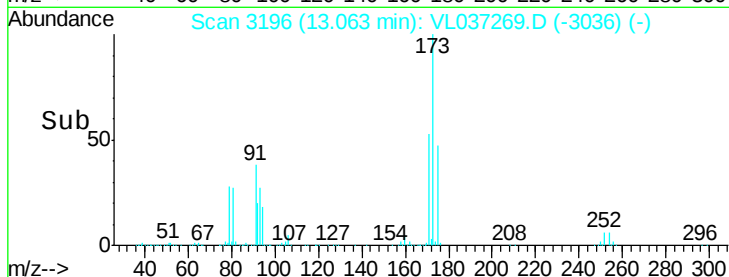
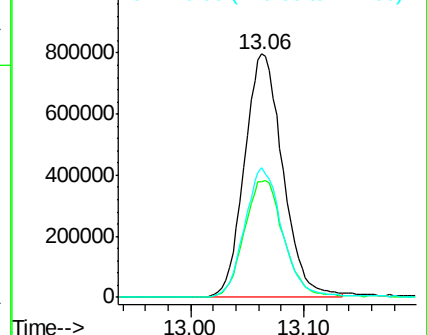
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.916 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.02 min

Lab File: VL037269.D

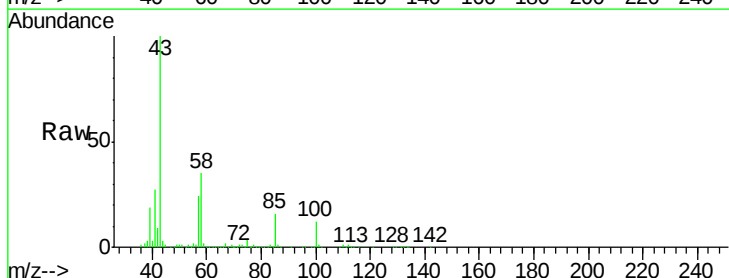
Acq: 2 Jul 2021 11:16

Tgt Ion: 43 Resp: 2072300

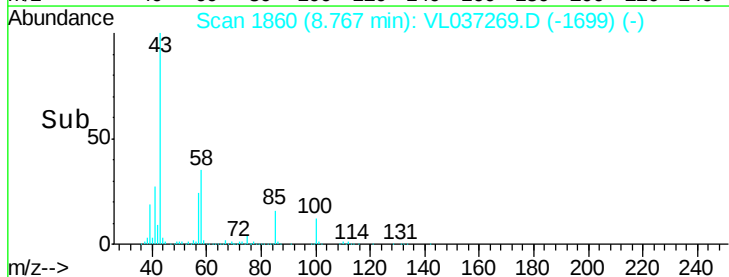
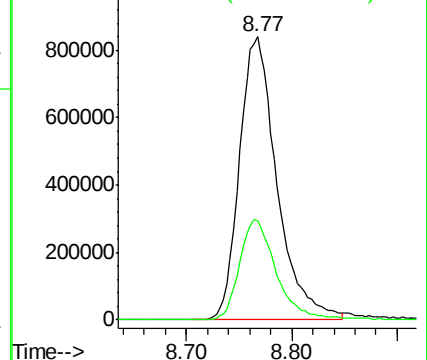
Ion Ratio Lower Upper

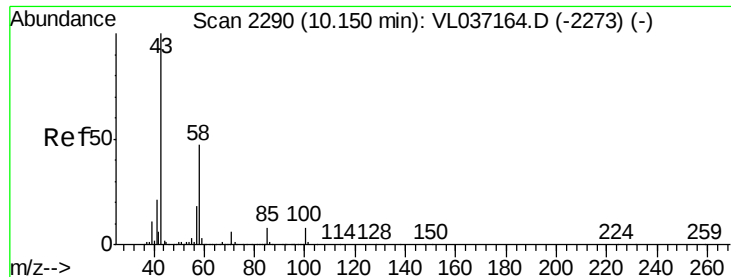
43 100

58 35.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





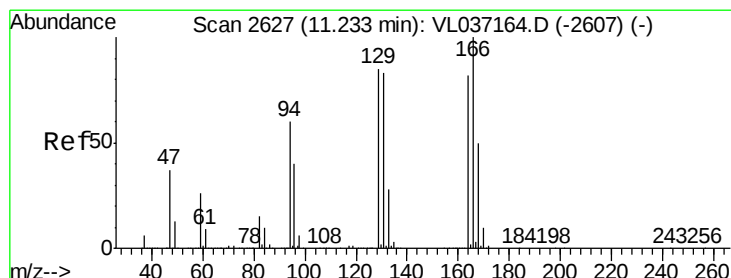
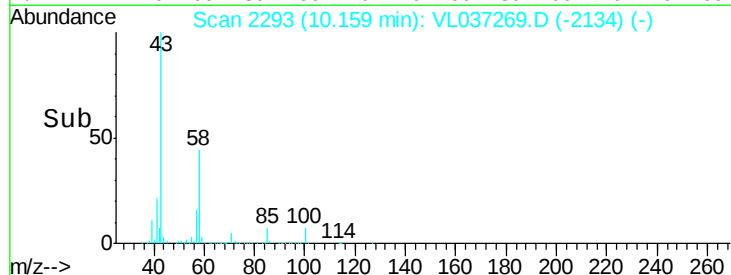
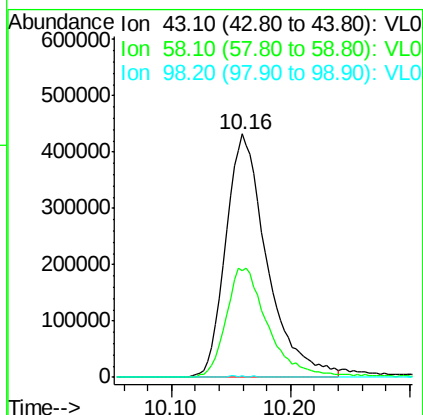
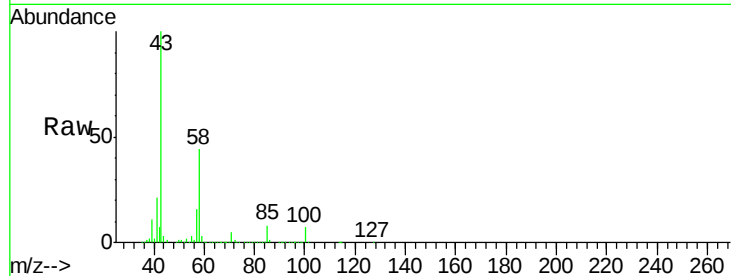
#51
2-Hexanone
Concen: 10.166 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 43 Resp: 1033719
Ion Ratio Lower Upper
43 100
58 46.6 38.4 57.6
98 0.6 0.3 0.5#

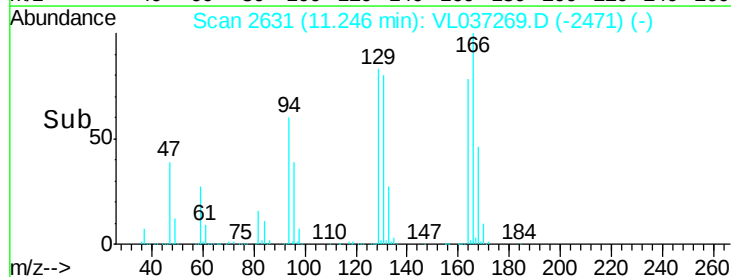
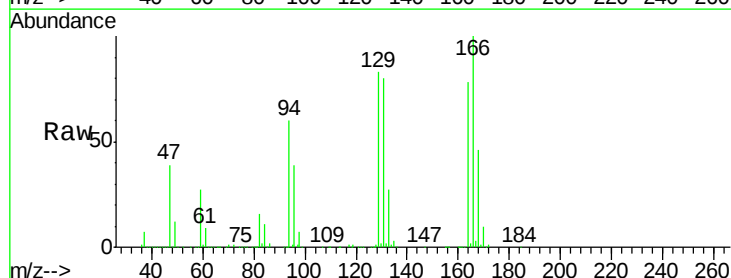
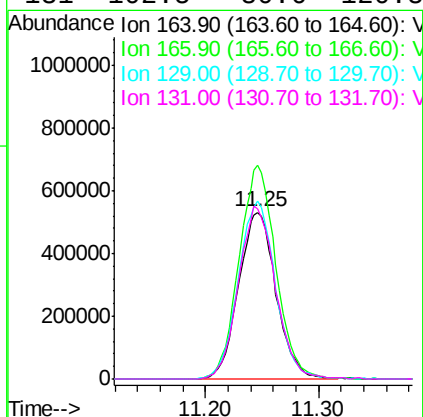
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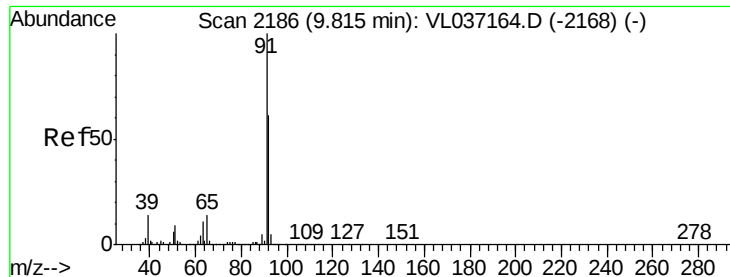
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#52
Tetrachloroethene
Concen: 8.269 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 164 Resp: 1215537
Ion Ratio Lower Upper
164 100
166 128.1 97.6 146.4
129 106.5 82.9 124.3
131 102.5 80.6 120.8





#53

Toluene

Concen: 9.318 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion: 91 Resp: 3521377

Ion Ratio Lower Upper

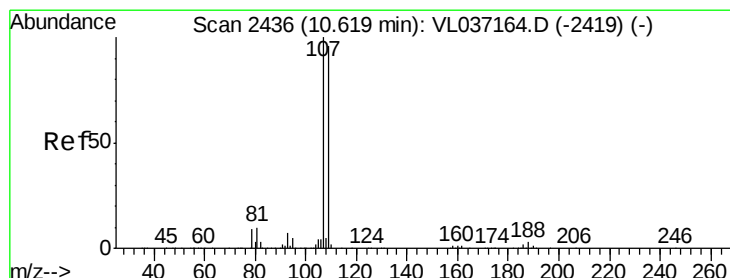
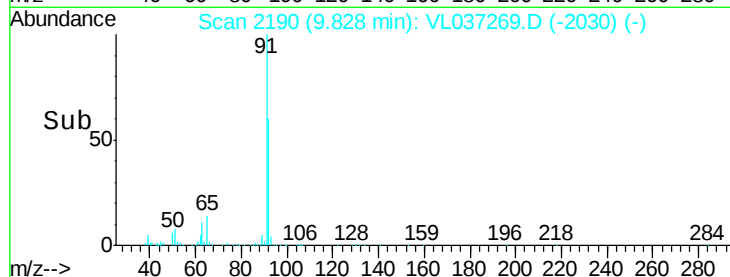
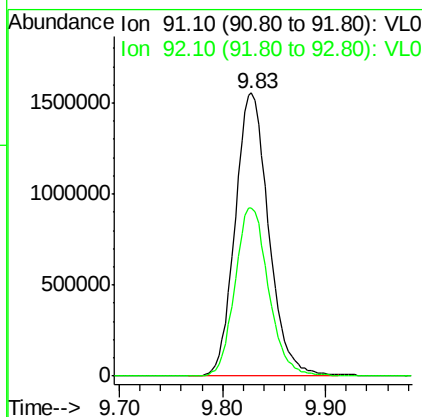
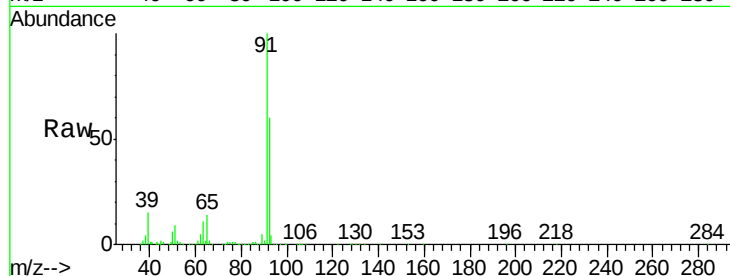
91 100

92 60.0 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.780 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.02 min

Lab File: VL037269.D

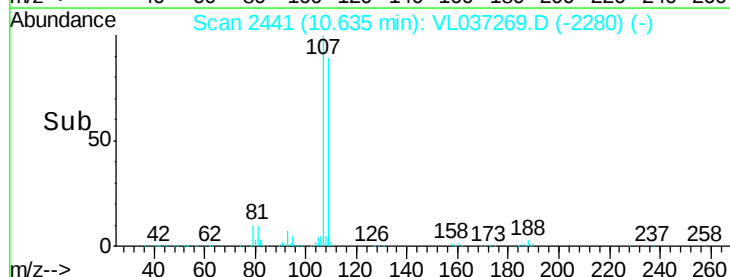
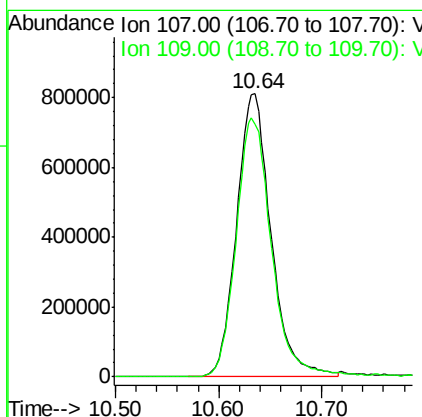
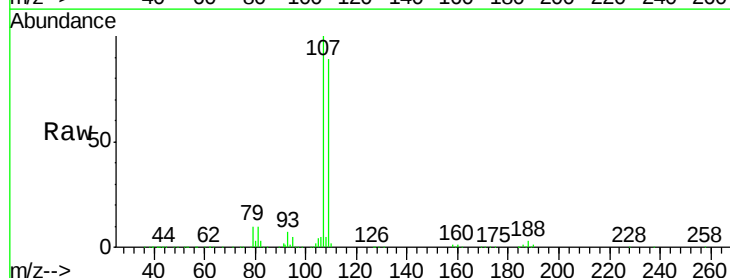
Acq: 2 Jul 2021 11:16

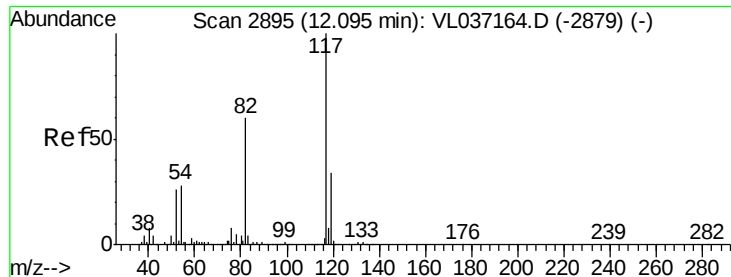
Tgt Ion: 107 Resp: 1885048

Ion Ratio Lower Upper

107 100

109 89.4 77.0 115.6





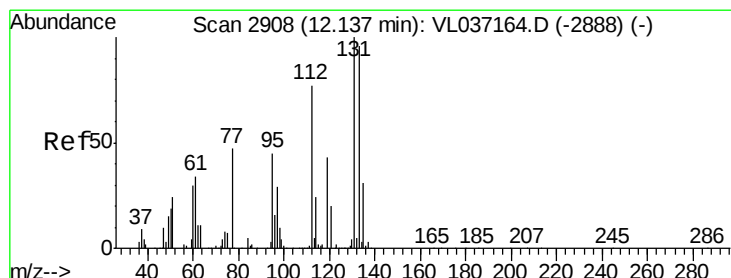
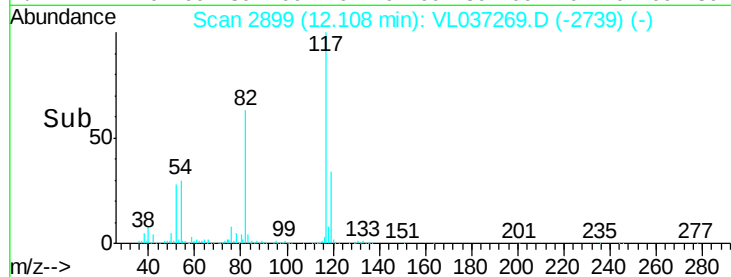
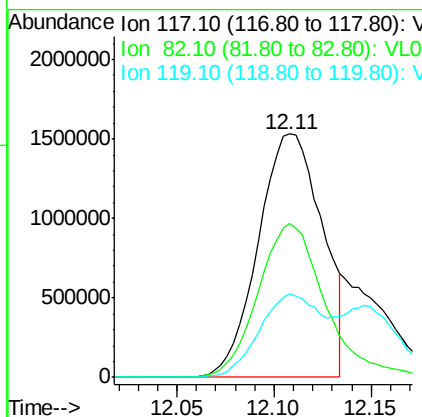
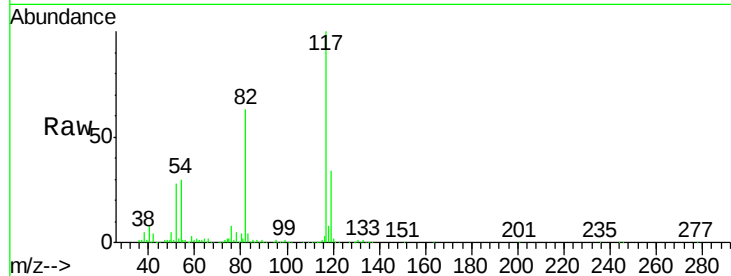
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion:117 Resp: 3515634
Ion Ratio Lower Upper
117 100
82 67.4 51.7 77.5
119 34.2 47.6 71.4#

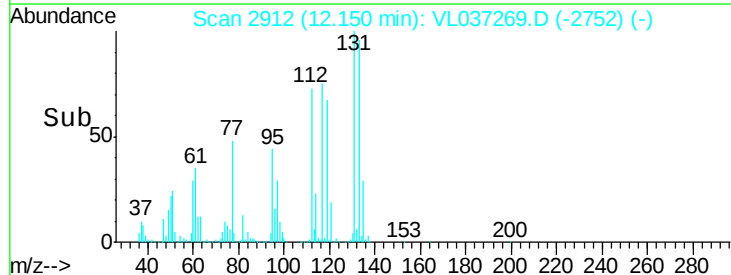
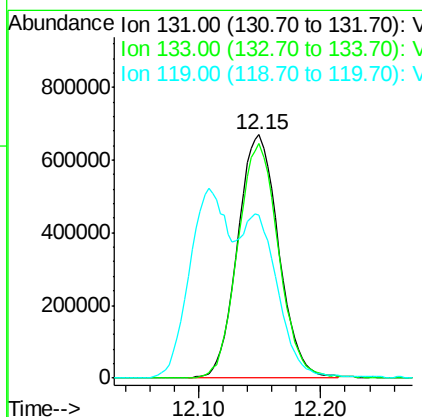
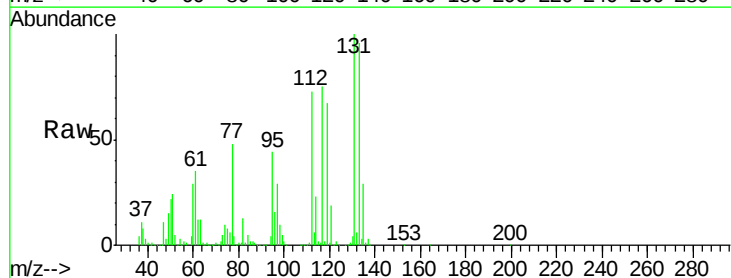
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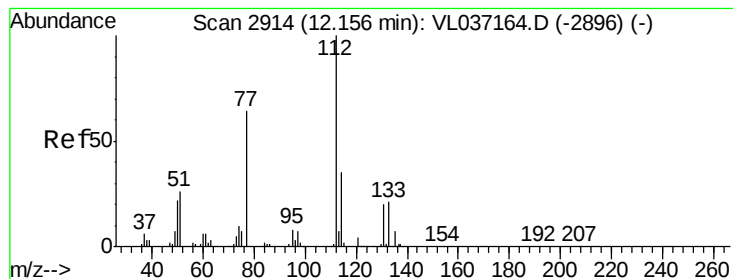
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.099 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion:131 Resp: 1552249
Ion Ratio Lower Upper
131 100
133 96.4 76.5 114.7
119 60.6 48.6 72.8





#57

Chlorobenzene

Concen: 9.502 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion:112 Resp: 2709233

Ion Ratio Lower Upper

112 100

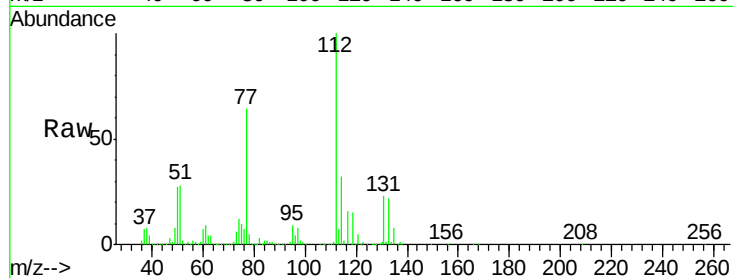
77 63.7 52.2 78.4

114 32.2 31.1 38.1

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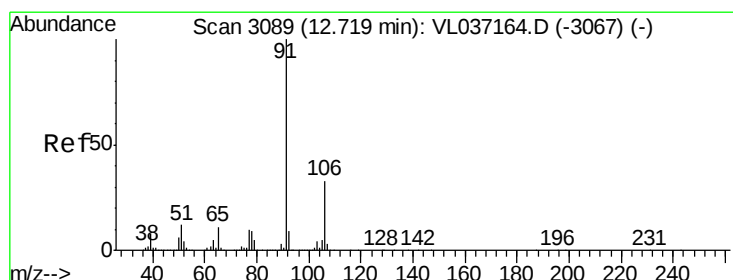
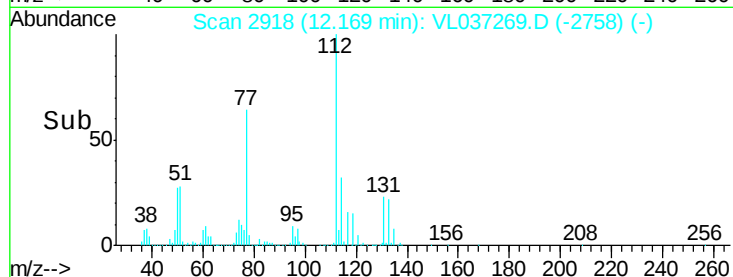
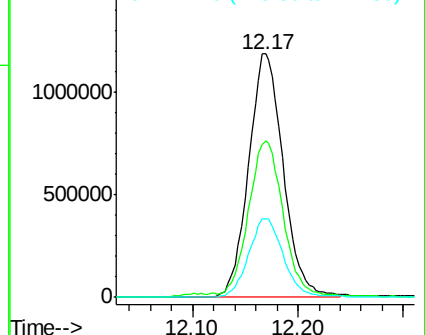
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.779 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL037269.D

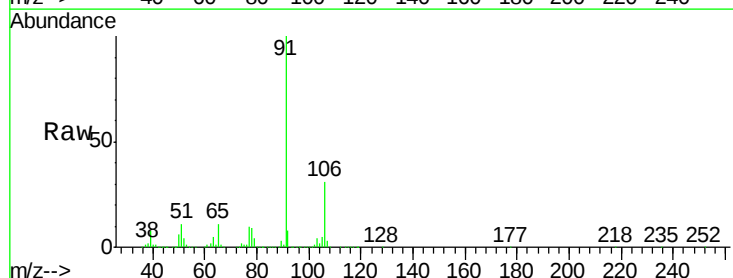
Acq: 2 Jul 2021 11:16

Tgt Ion: 91 Resp: 4732712

Ion Ratio Lower Upper

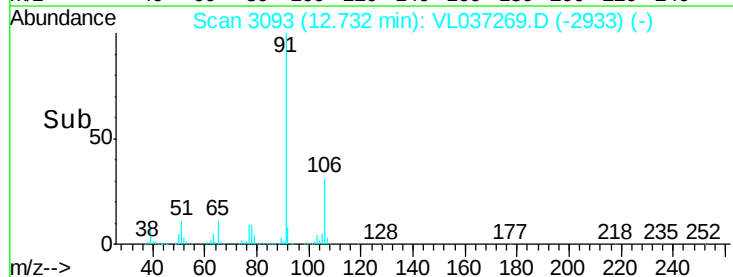
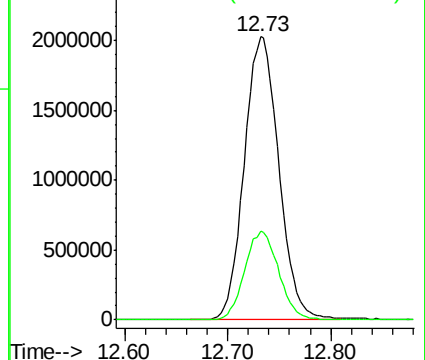
91 100

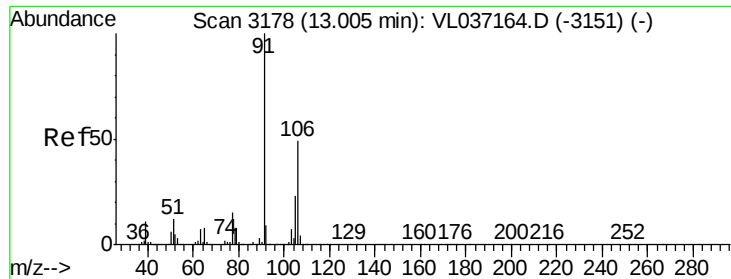
106 31.2 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





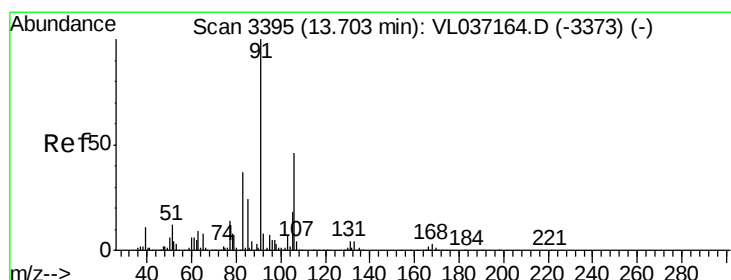
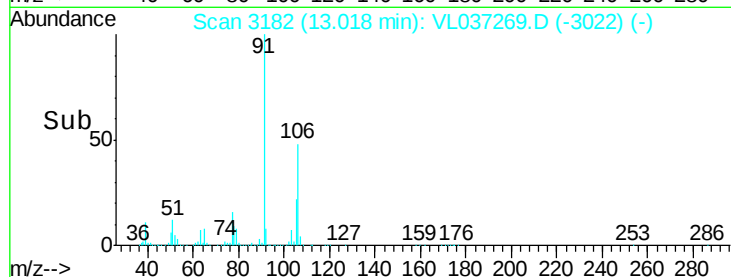
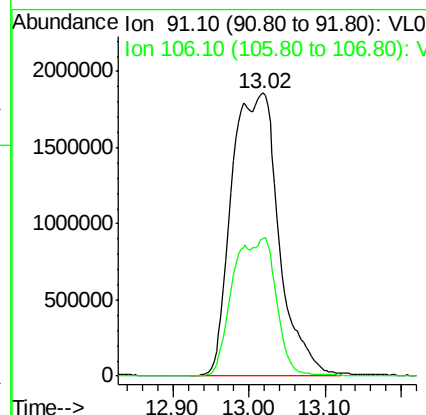
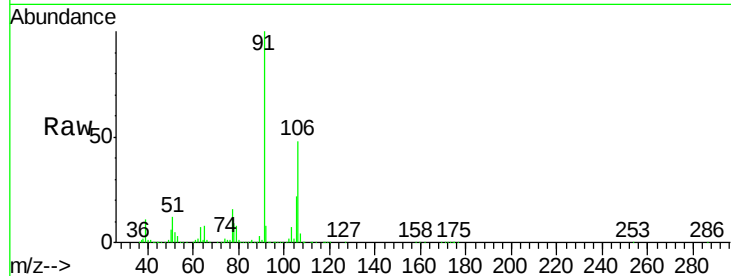
#59
m/p-Xylene
Concen: 19.631 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 91 Resp: 8051546
Ion Ratio Lower Upper
91 100
106 44.9 37.0 55.4

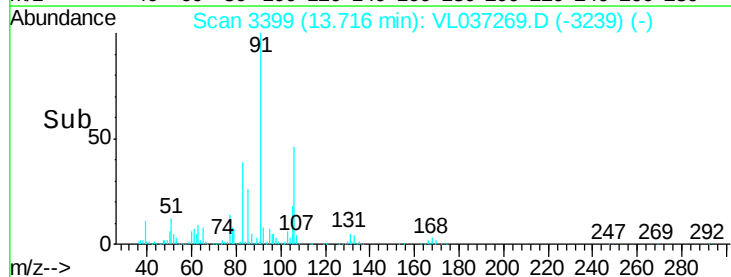
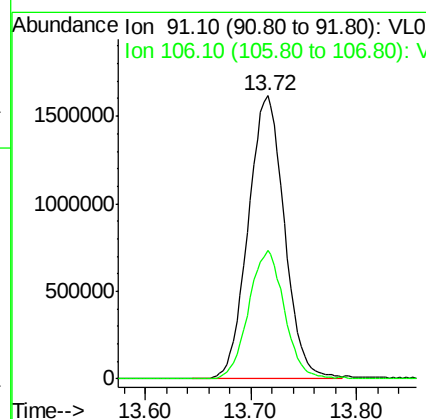
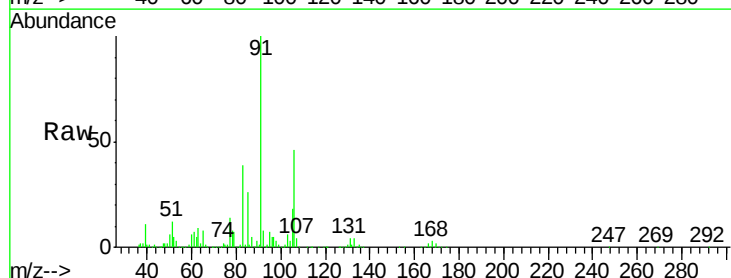
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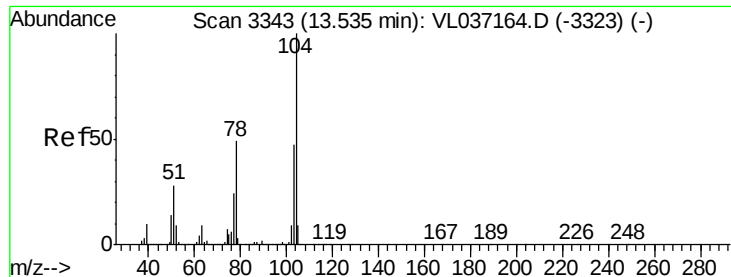
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#60
o-Xylene
Concen: 9.856 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 91 Resp: 3849237
Ion Ratio Lower Upper
91 100
106 45.1 23.0 69.0





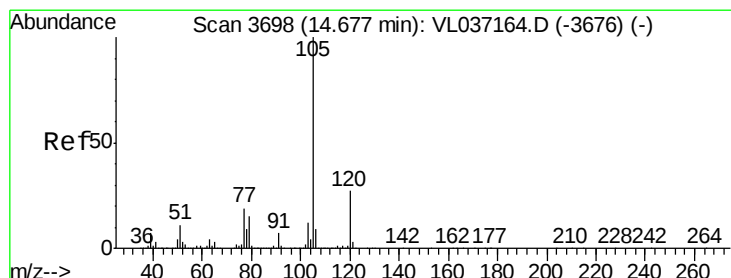
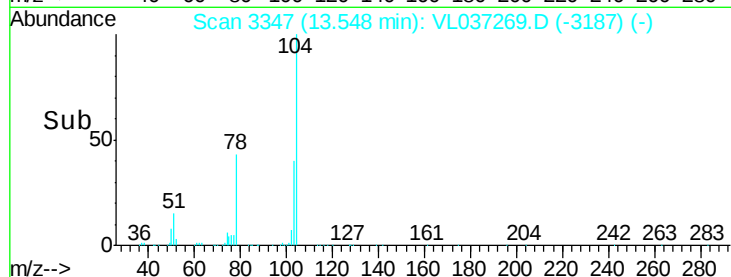
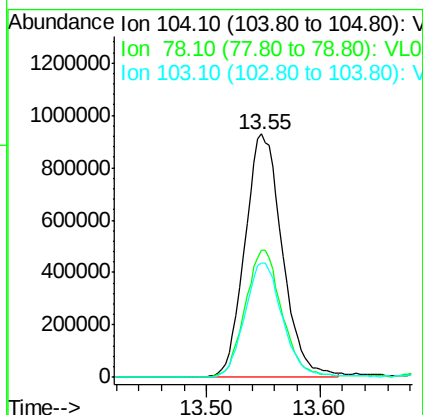
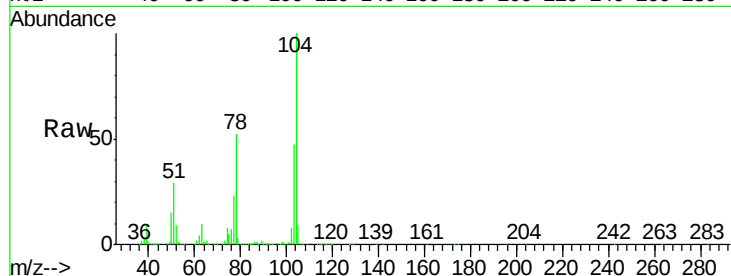
#61
Stvrene
Concen: 10.602 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.2	39.7	59.5
103	47.9	37.6	56.4

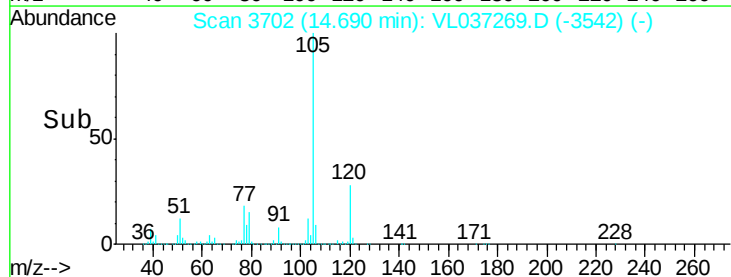
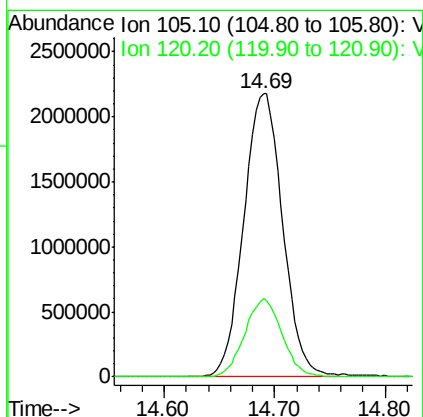
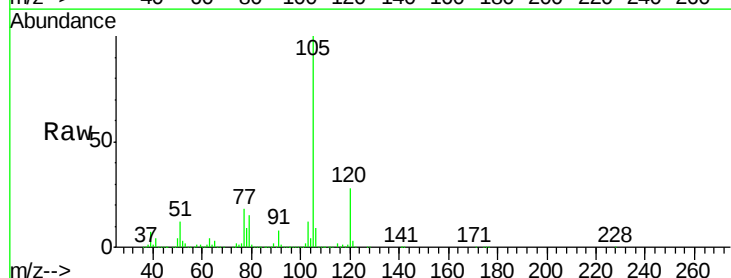
Manual Integrations
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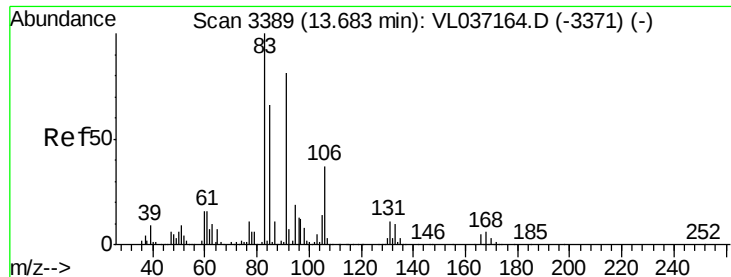
MMDadoda
7/6/2021 6:44:24 PM



#62
Isopropylbenzene
Concen: 9.603 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.6	32.4





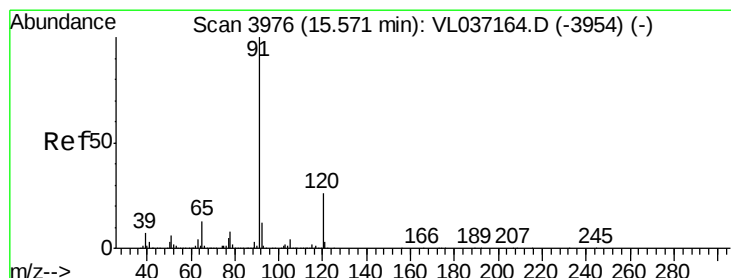
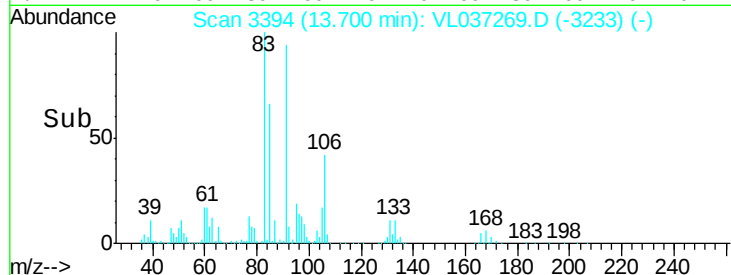
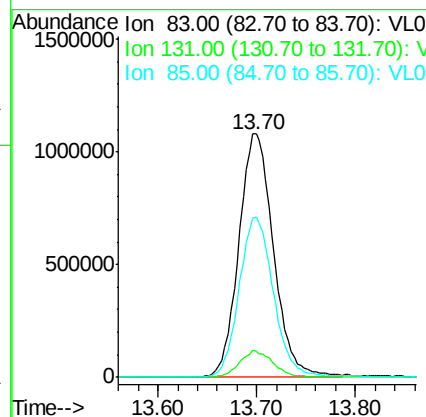
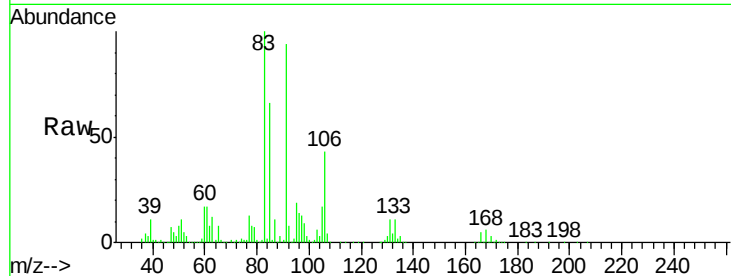
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.099 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.02 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.9	33.1	99.2

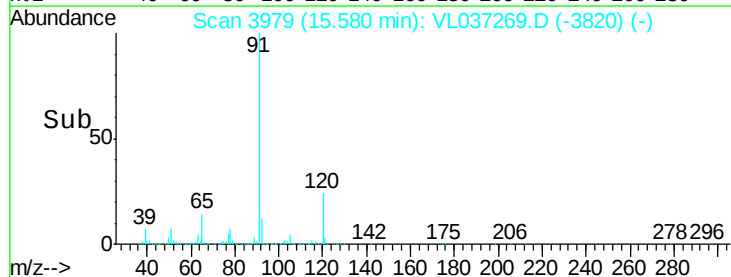
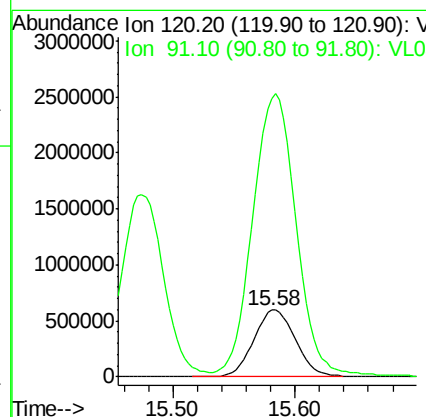
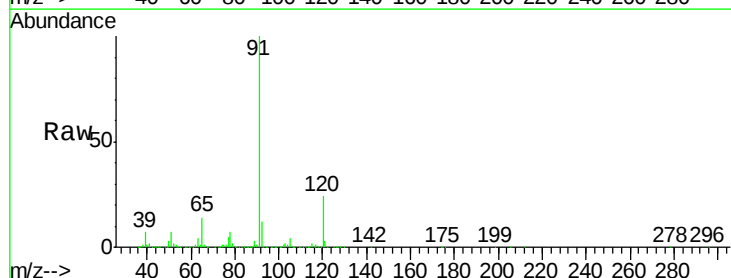
Manual Integrations
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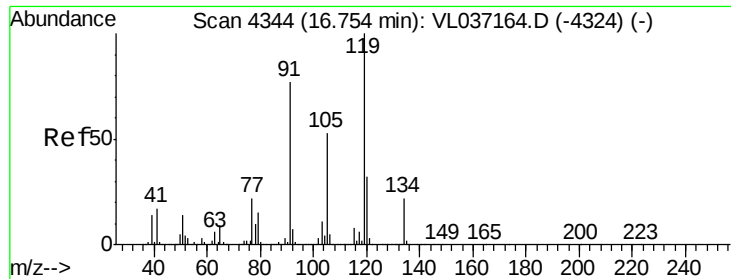
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#64
 n-propylbenzene
 Concen: 10.149 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
120	100		
91	444.3	343.3	514.9





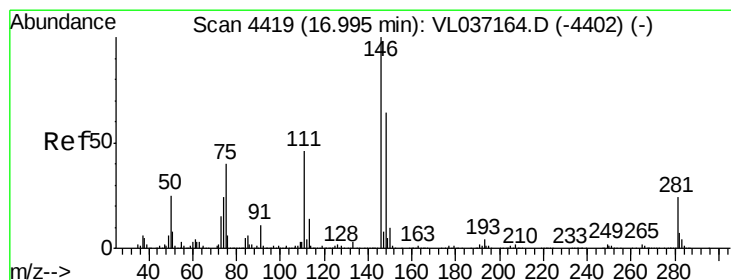
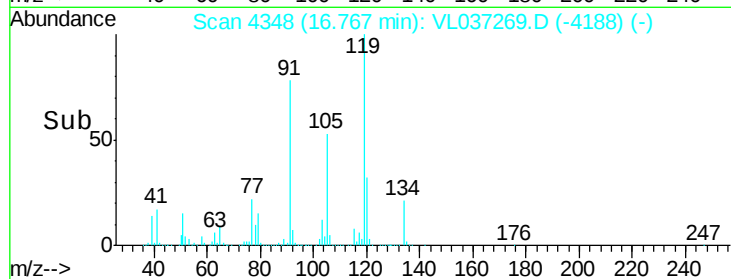
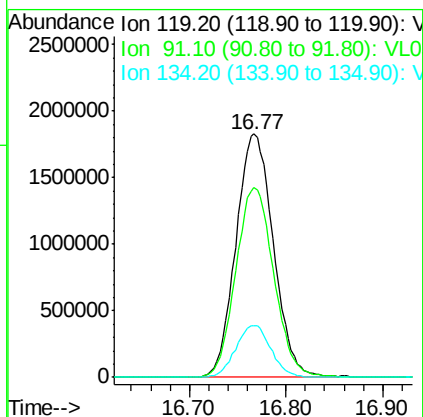
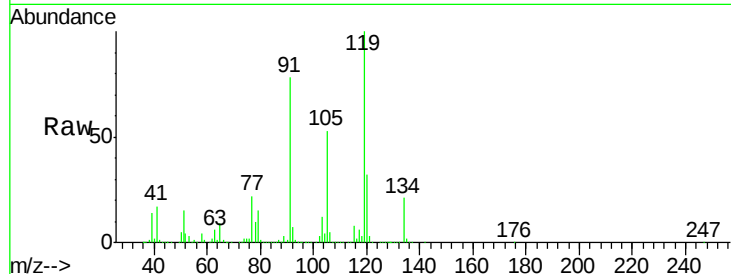
#65
tert-Butylbenzene
Concen: 9.995 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.3	62.6	93.8
134	20.1	16.2	24.4

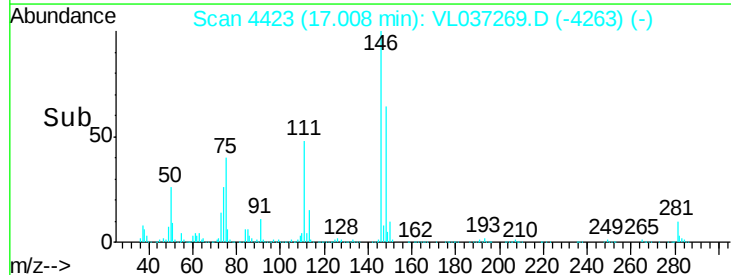
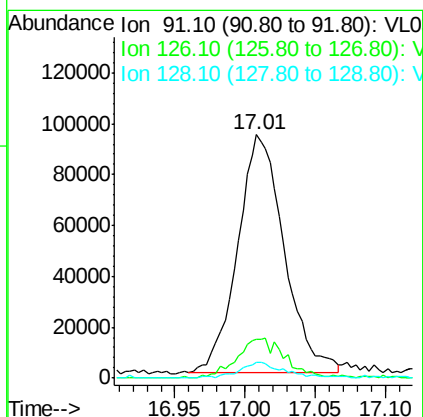
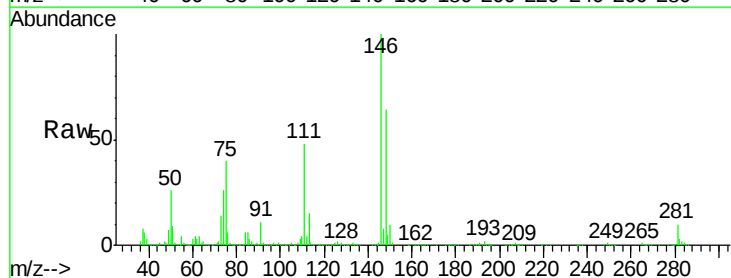
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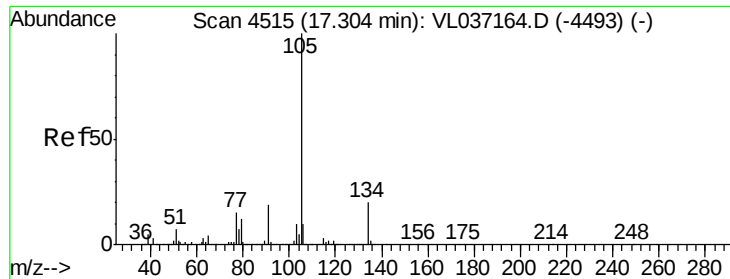
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#66
Benzyl Chloride
Concen: 10.299 ppbv
RT: 17.01 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.2	15.5	23.3
128	6.8	5.7	8.5





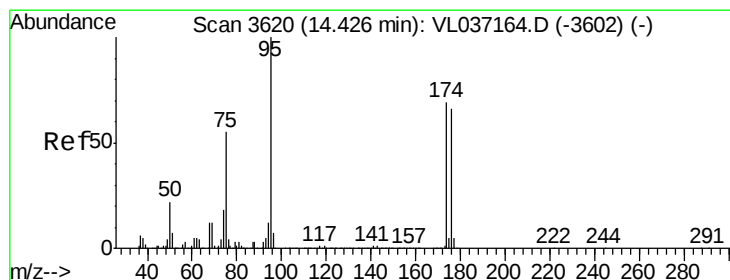
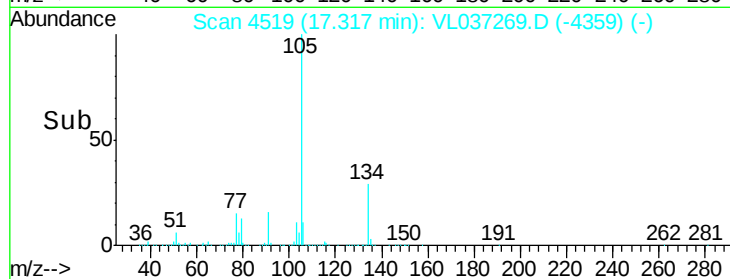
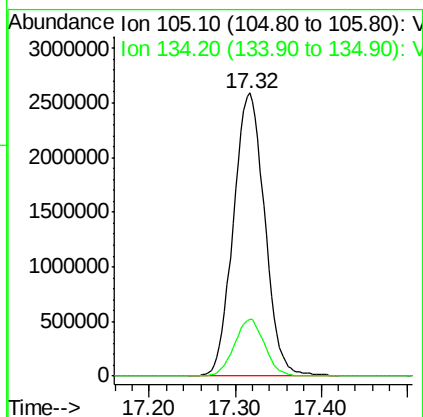
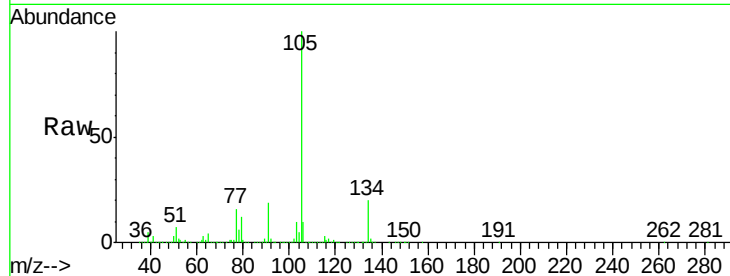
#67
 sec-Butylbenzene
 Concen: 9.972 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion: 105 Resp: 6549460
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.8 23.6

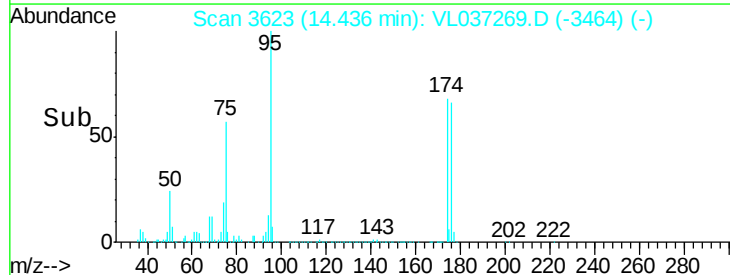
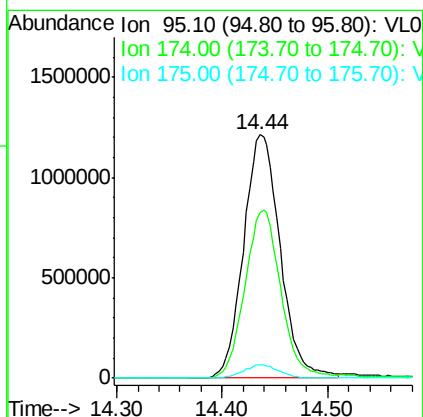
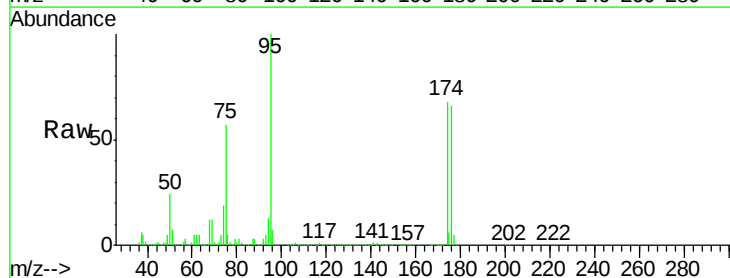
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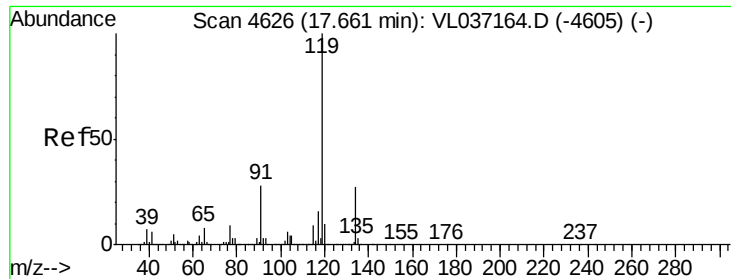
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.004 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion: 95 Resp: 2931366
 Ion Ratio Lower Upper
 95 100
 174 69.6 57.0 85.4
 175 5.3 4.4 6.6





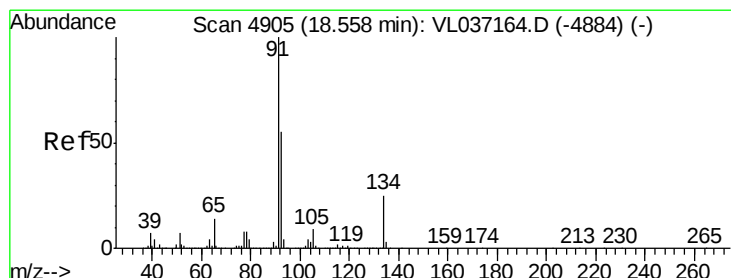
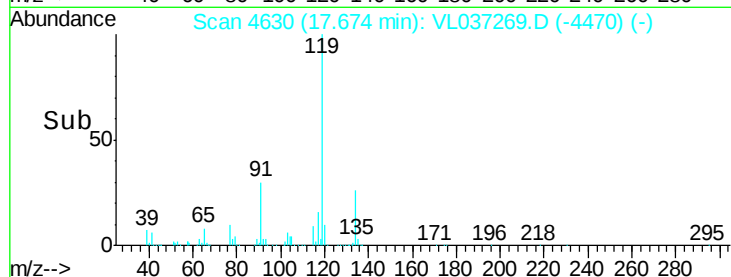
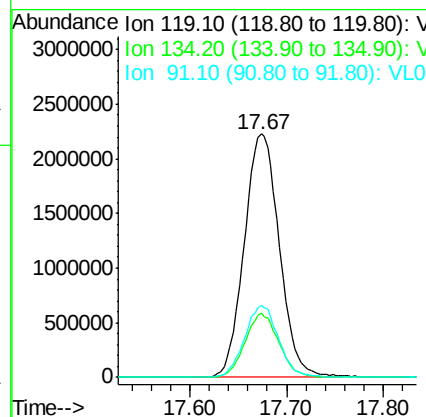
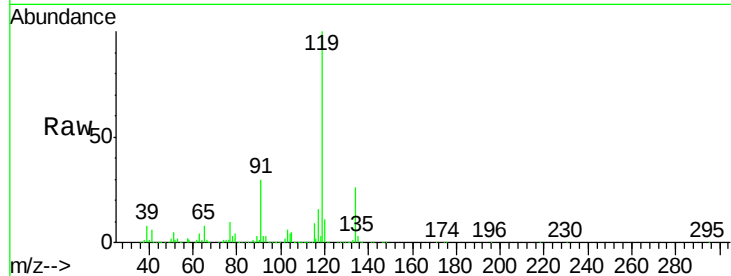
#69
 p-Isopropyltoluene
 Concen: 10.121 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.9	31.3
91	28.5	22.6	34.0

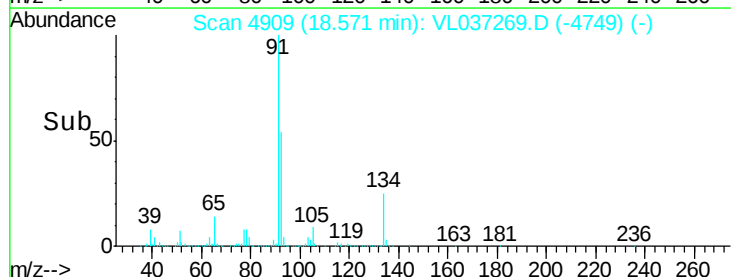
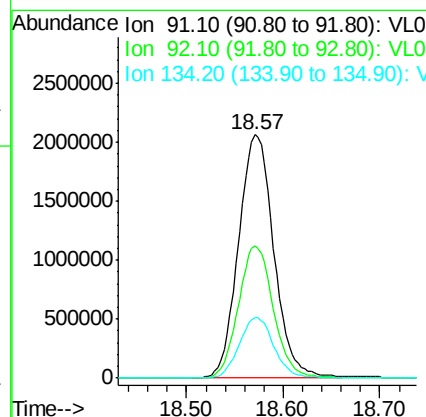
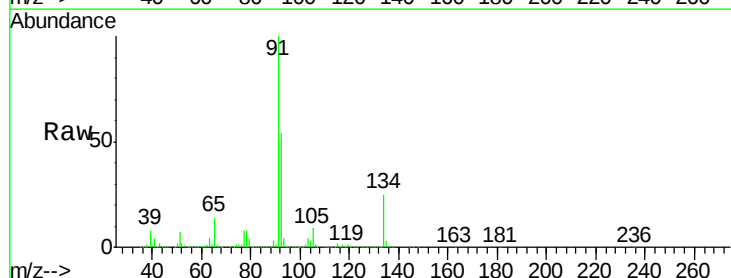
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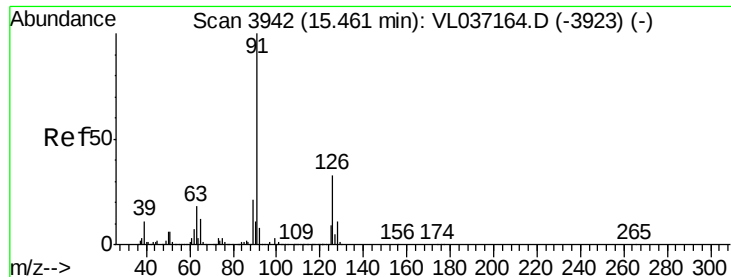
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#70
 n-Butylbenzene
 Concen: 10.208 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	24.7	20.2	30.4





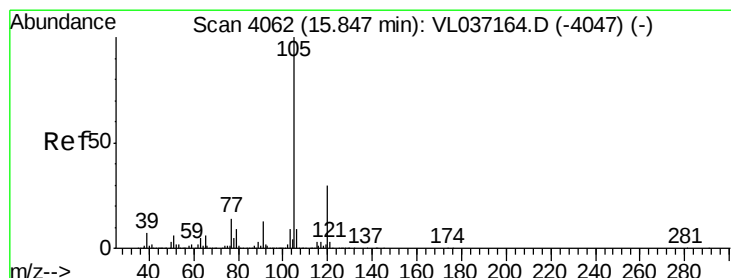
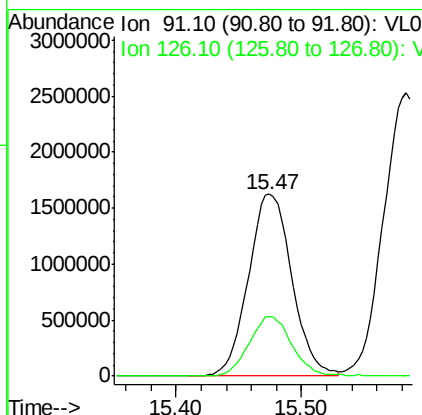
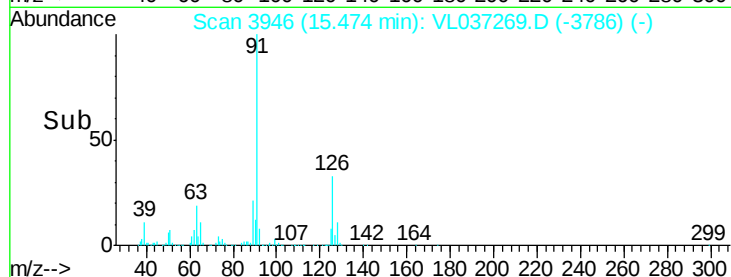
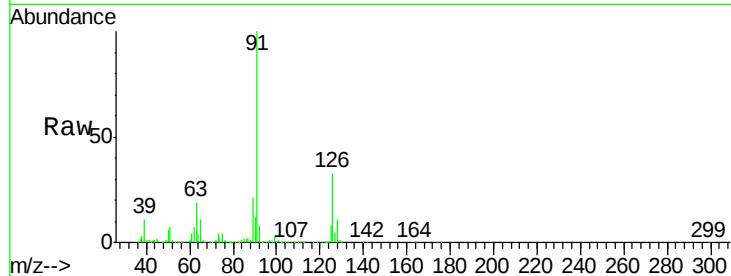
#71
2-Chlorotoluene
Concen: 10.118 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion: 91 Resp: 3928245
Ion Ratio Lower Upper
91 100
126 32.9 13.5 54.1

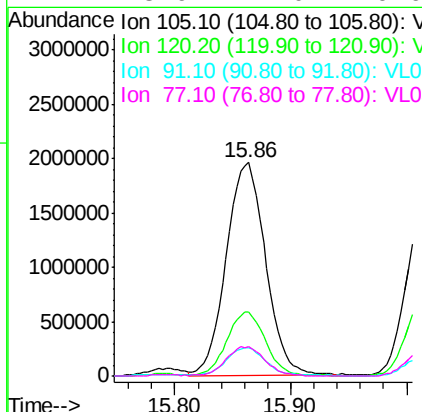
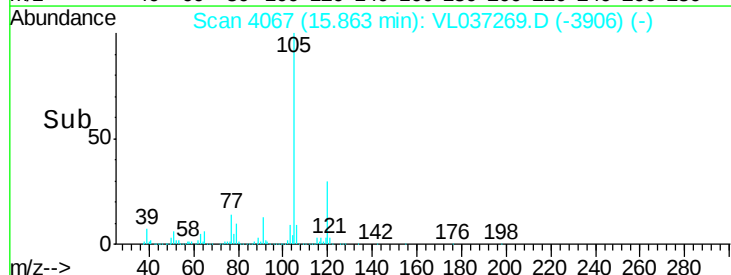
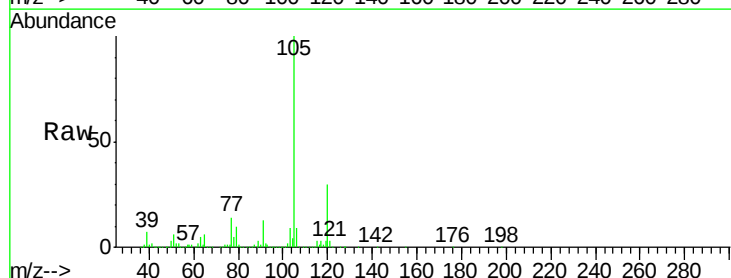
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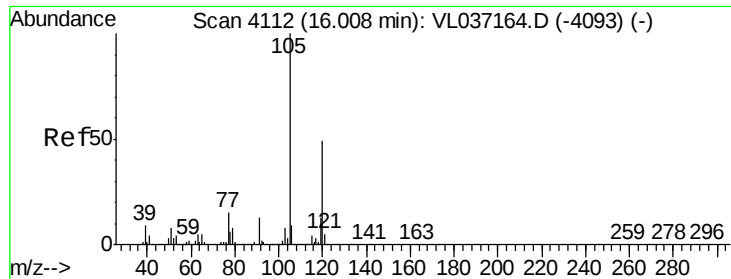
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#72
4-Ethyltoluene
Concen: 10.355 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. 0.02 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion: 105 Resp: 4594057
Ion Ratio Lower Upper
105 100
120 30.0 24.7 37.1
91 13.3 10.2 15.4
77 13.9 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.839 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion:105 Resp: 4219340

Ion Ratio Lower Upper

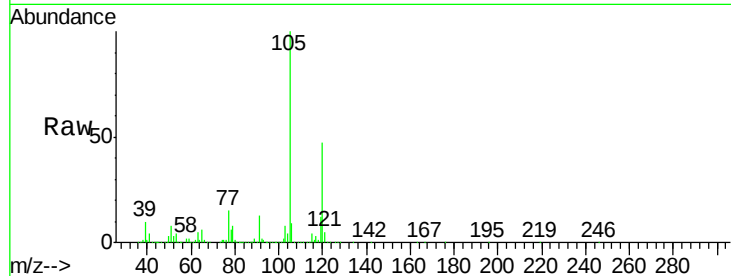
105 100

120 46.9 39.4 59.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

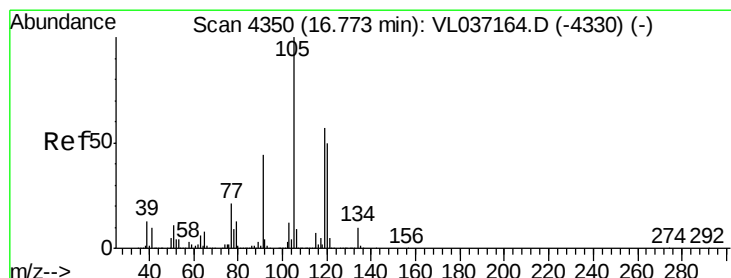
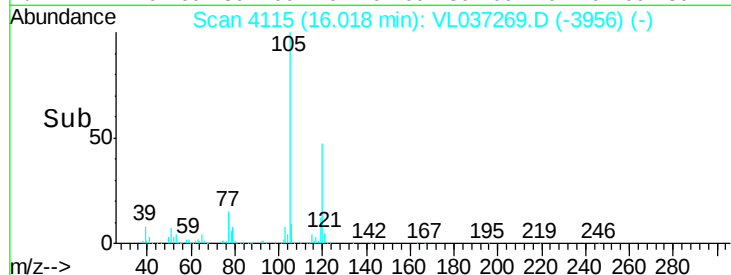
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 9.940 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Tgt Ion:105 Resp: 4392234

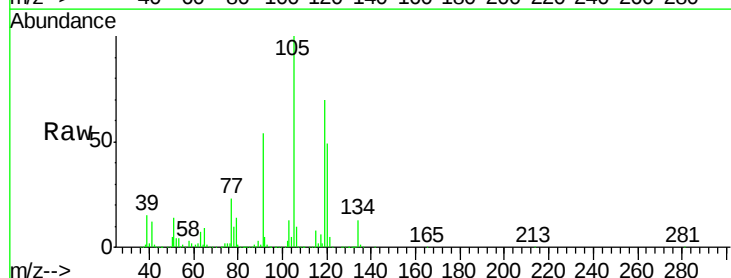
Ion Ratio Lower Upper

105 100

120 48.4 39.8 59.8

91 54.1 37.0 55.4

77 22.8 17.0 25.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

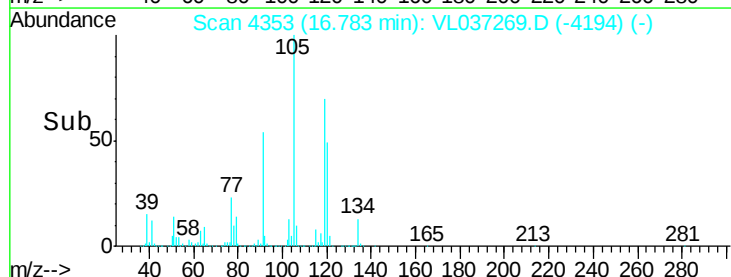
1500000

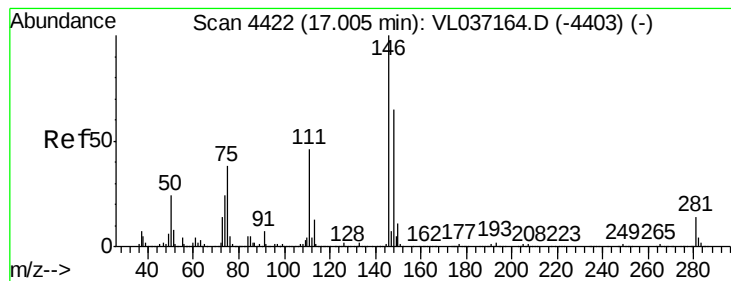
1000000

500000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 9.765 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABS01

Tot Ion:146 Resp: 2623486

Ion Ratio Lower Upper

146 100

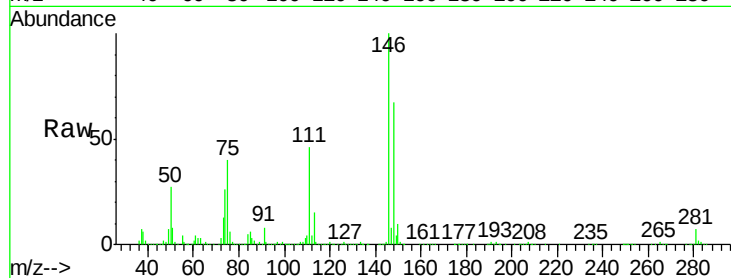
111 45.8 22.2 66.6

148 65.3 32.4 97.2

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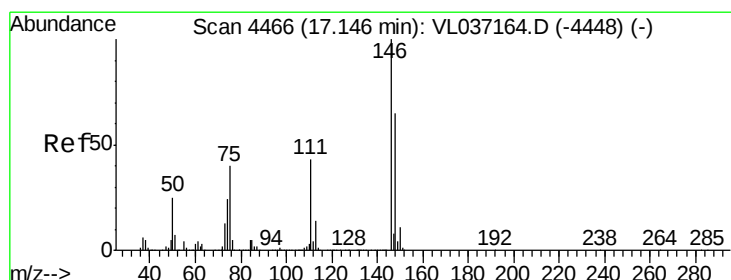
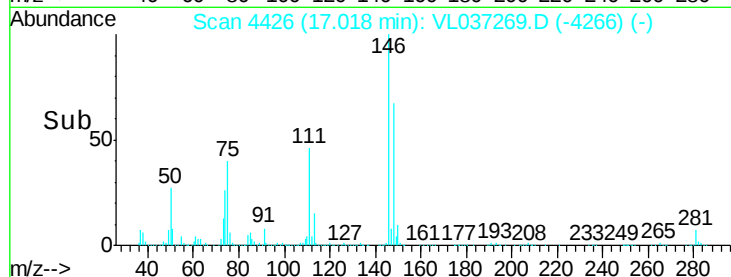
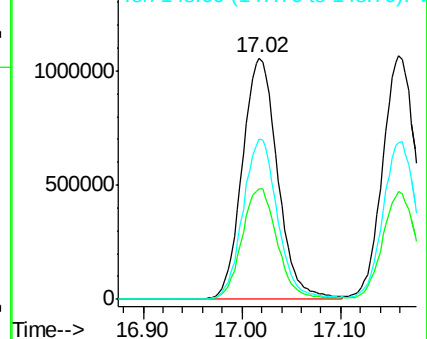
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.573 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.01 min

Lab File: VL037269.D

Acq: 2 Jul 2021 11:16

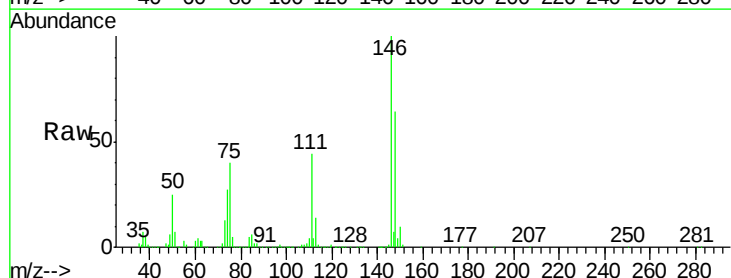
Tgt Ion:146 Resp: 2568893

Ion Ratio Lower Upper

146 100

111 45.2 22.7 68.0

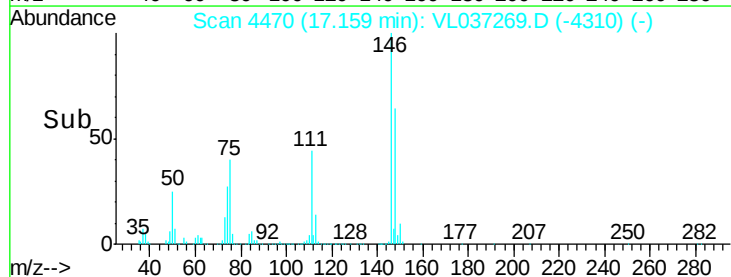
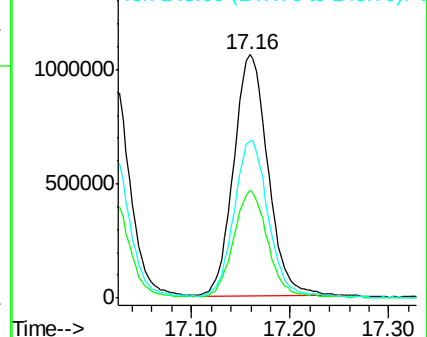
148 66.1 33.7 101.1

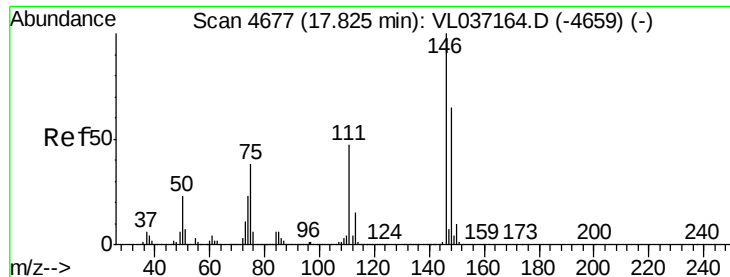


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





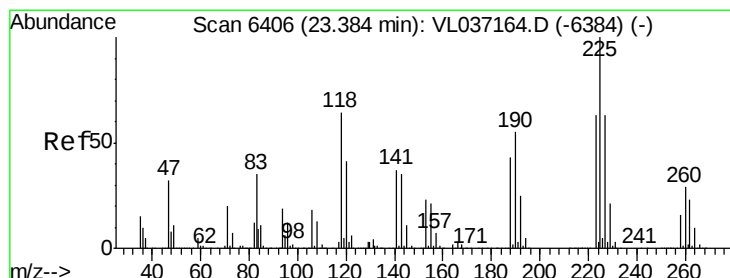
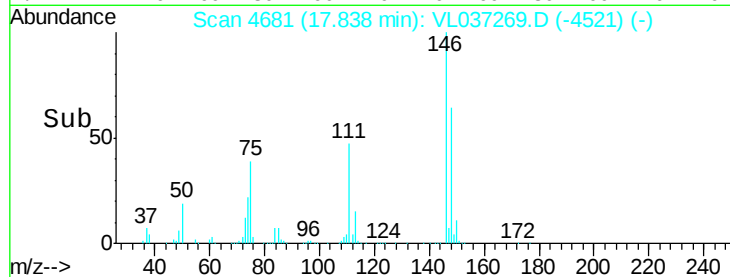
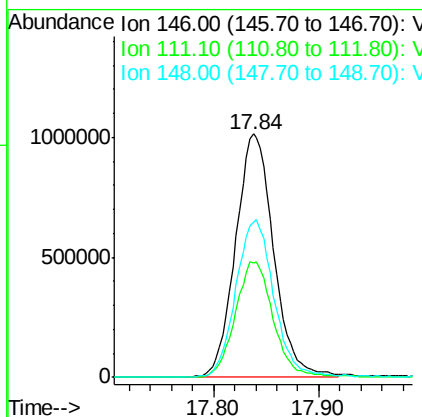
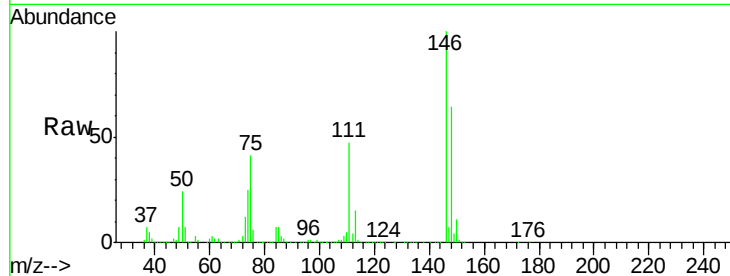
#77
 1,2-Dichlorobenzene
 Concen: 9.726 ppbv
 RT: 17.84 min Scan# 4681
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampled :
 VL0702ABS01

Tot Ion:146 Resp: 2527899
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.3 69.8
 148 65.2 32.4 97.0

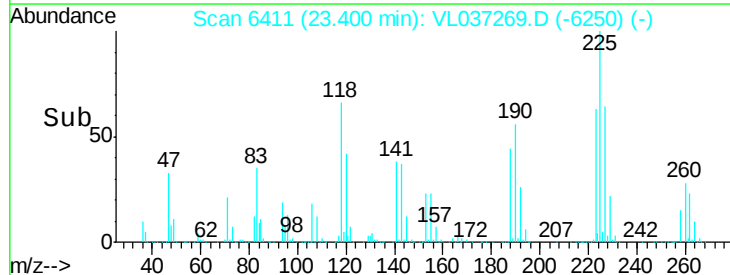
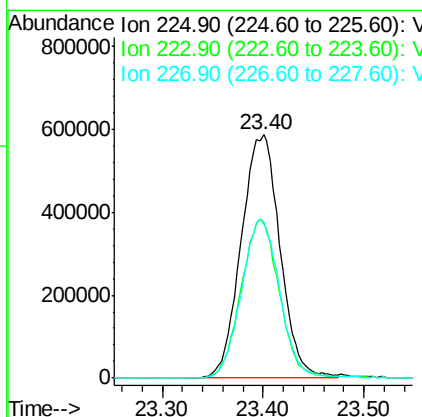
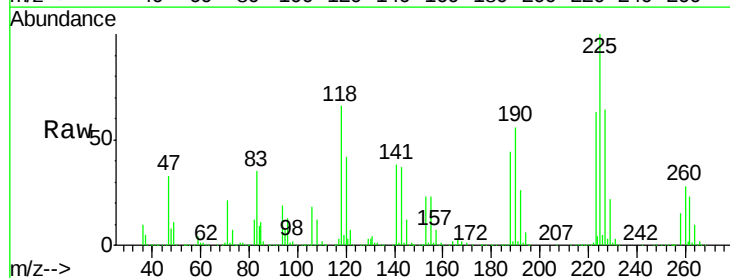
Manual Integrations
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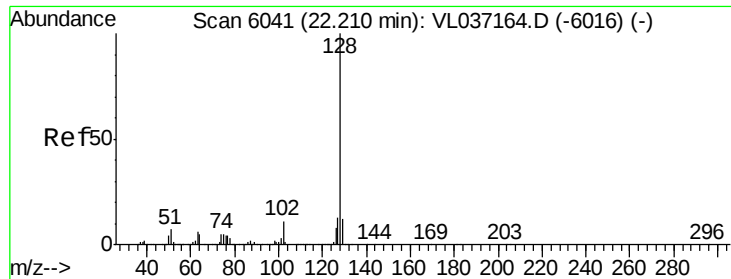
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.021 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T. 0.02 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Tgt Ion:225 Resp: 1569003
 Ion Ratio Lower Upper
 225 100
 223 64.8 51.8 77.8
 227 64.8 51.4 77.0





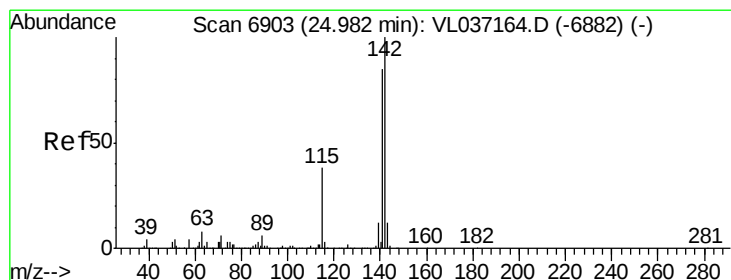
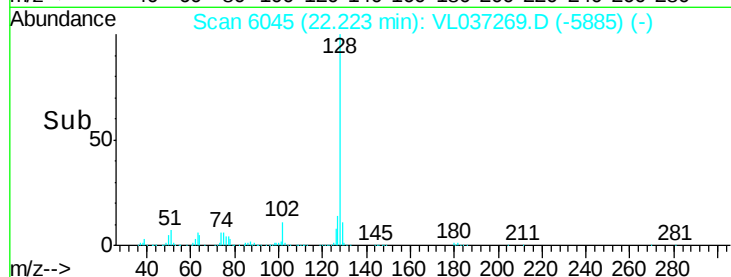
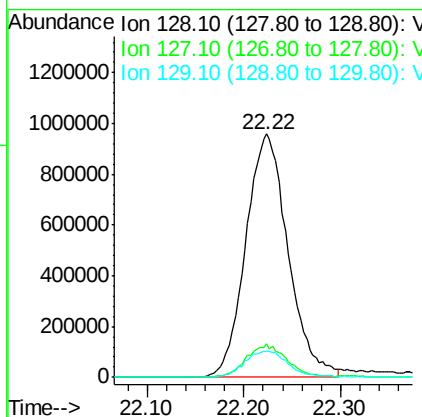
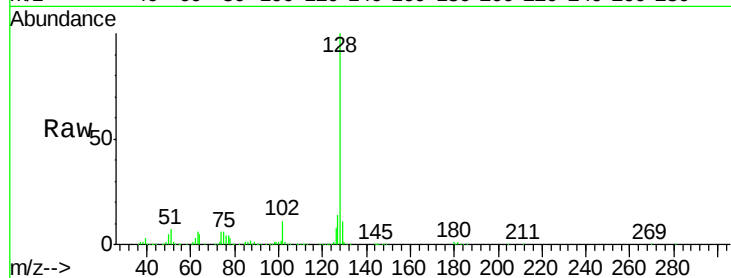
#79
Naphthalene
Concen: 7.886 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0702ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	10.9	9.3	13.9

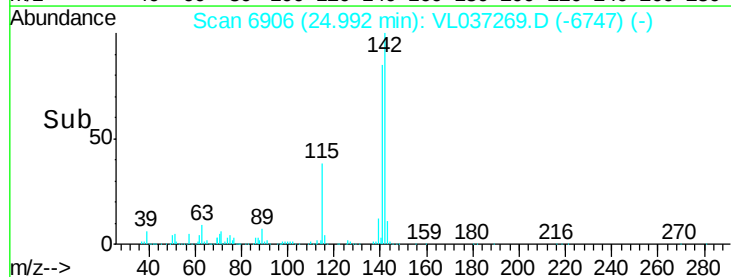
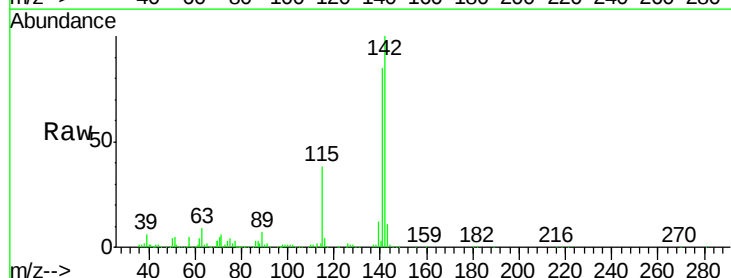
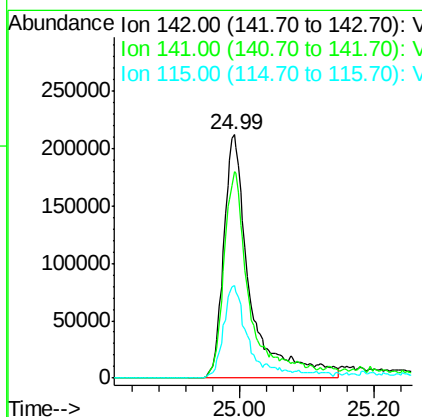
Manual Integrations
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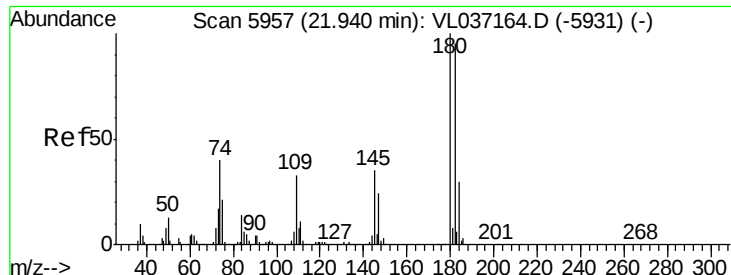
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 6.014 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037269.D
Acq: 2 Jul 2021 11:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	63.7	95.5
115	38.4	30.6	45.8





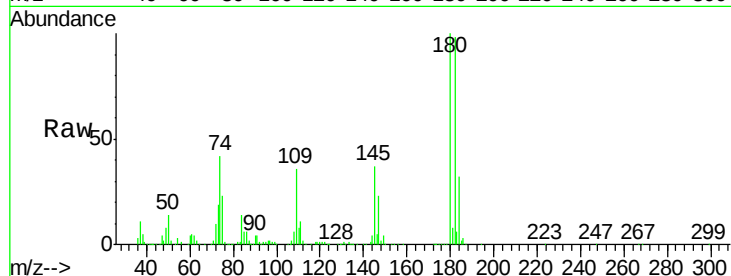
#81
 1,2,4-Trichlorobenzene
 Concen: 7.988 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037269.D
 Acq: 2 Jul 2021 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	79.3	118.9
184	32.1	24.7	37.1

Manual Integrations
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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

