

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037444.D
 Acq On : 13 Aug 2021 11:56
 Operator : SY/AP
 Sample : VL0813ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0813ABS01

Manual Integrations
 APPROVED

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 8/16/2021 5:03:55 PM

Quant Time: Aug 13 12:34:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 2021
 QLast Update : Thu Aug 12 15:26:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1328586	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4011284	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3721044m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2620394	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1783181	8.785	ppbv	99
3) Chlorodifluoromethane	2.99	51	2501674	9.589	ppbv	98
4) Chloromethane	3.13	50	915539	9.762	ppbv	99
5) Vinyl Chloride	3.25	62	910947	9.509	ppbv	99
6) Bromomethane	3.47	94	438437	8.182	ppbv	98
7) Chloroethane	3.56	64	311499	9.130	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2167390	9.567	ppbv	99
9) Propene	3.01	41	875529	9.994	ppbv	100
10) Heptane	8.12	43	2158287	10.131	ppbv	100
11) Trichlorofluoromethane	3.95	101	2010665	9.154	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1483699	9.643	ppbv	96
13) Ethanol	3.61	45	97454m	10.423	ppbv	
14) Bromoethene	3.74	108	642986	9.395	ppbv	95
15) Acetone	3.85	43	1140057	8.091	ppbv	98
16) 1,3-Butadiene	3.32	39	904566	9.565	ppbv	98
17) tert-Butyl alcohol	4.29	59	1241293	9.230	ppbv	100
18) 1,1-Dichloroethene	4.29	96	633785	8.872	ppbv	91
19) Isopropyl Alcohol	3.96	45	688695	8.399	ppbv #	96
20) Methylene Chloride	4.34	84	614097	8.243	ppbv	95
21) Allyl Chloride	4.41	41	1028082	9.312	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	695036	10.372	ppbv	99
23) Vinyl Acetate	5.07	43	1631818	7.548	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1376601	8.198	ppbv	98
25) Ethyl Acetate	5.67	43	3371000	10.039	ppbv	99
26) Hexane	5.68	57	1671479	9.645	ppbv	98
27) Carbon Disulfide	4.55	76	1635139	11.192	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1478681	7.973	ppbv	99
29) Chloroform	5.75	83	2406750	9.865	ppbv	98
30) Cyclohexane	7.12	84	1384607	9.702	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1556173	10.389	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2341684	9.510	ppbv	99
34) 2-Butanone	5.24	43	1468290	8.866	ppbv	98
35) Carbon Tetrachloride	7.01	117	2443871	9.880	ppbv	97
36) Benzene	6.89	78	3385671	10.010	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1681011	9.739	ppbv	99
38) Trichloroethene	7.83	130	1338692	8.967	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1284017	9.965	ppbv	95
40) 1,4-Dioxane	7.83	88	300863	9.595	ppbv #	100
41) Tetrahydrofuran	6.05	42	793387	10.432	ppbv	96
42) Bromodichloromethane	7.79	83	2560461	10.593	ppbv	100
43) Methyl Methacrylate	8.01	69	1225851	10.693	ppbv	99

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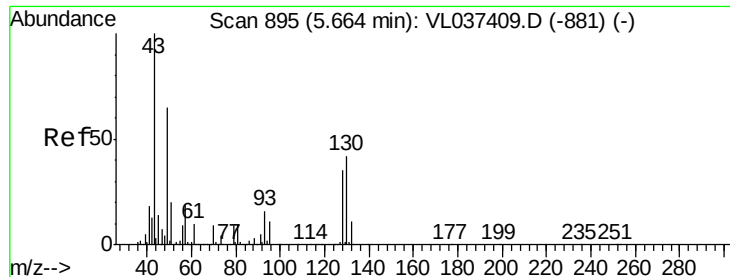
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5617183	9.933	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	807640	9.481	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1097464	9.228	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1357194	9.744	ppbv	98
48) Dibromochloromethane	10.30	129	2142826	10.663	ppbv	98
49) Bromoform	13.03	173	1668060	10.954	ppbv	94
50) 4-Methyl-2-Pentanone	8.74	43	2220539	10.658	ppbv	100
51) 2-Hexanone	10.13	43	1091672	11.137	ppbv #	99
52) Tetrachloroethene	11.22	164	1232583	8.650	ppbv	94
53) Toluene	9.80	91	3956860	10.247	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1899016	10.018	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1468439	9.913	ppbv	98
57) Chlorobenzene	12.14	112	2773676	9.197	ppbv	99
58) Ethyl Benzene	12.70	91	4841227	9.591	ppbv	99
59) m/p-Xylene	12.99	91	8421330m	18.992	ppbv	
60) o-Xylene	13.69	91	3828729	9.295	ppbv	100
61) Styrene	13.52	104	2130118	10.235	ppbv	99
62) Isopropylbenzene	14.66	105	5566858	9.450	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2759615	8.883	ppbv	99
64) n-propylbenzene	15.55	120	1422263	9.595	ppbv	98
65) tert-Butylbenzene	16.73	119	4871347m	9.170	ppbv	
66) Benzyl Chloride	16.98	91	238262m	9.802	ppbv	
67) sec-Butylbenzene	17.28	105	6739858	9.324	ppbv	100
69) p-Isopropyltoluene	17.64	119	5699853	9.607	ppbv	100
70) n-Butylbenzene	18.54	91	5497750	9.970	ppbv	99
71) 2-Chlorotoluene	15.44	91	3925811	9.422	ppbv	100
72) 4-Ethyltoluene	15.83	105	4625321	9.673	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4166638	9.217	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4405860	9.520	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2656378	9.379	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2556901	9.106	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2546958	9.346	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1952771	8.846	ppbv	99
79) Naphthalene	22.19	128	3243111	12.893	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	836027	15.736	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1950870	11.415	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 49 Resp: 1328586

Ion Ratio Lower Upper

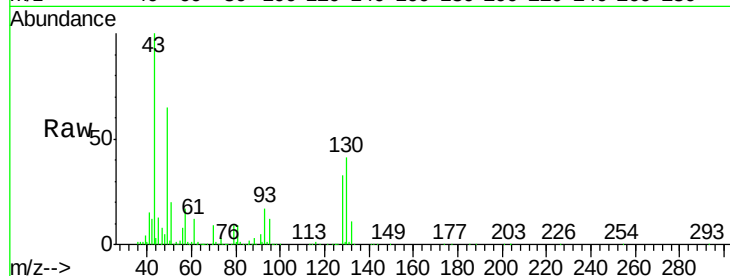
49 100

128 55.7 27.9 83.6

130 68.4 34.6 103.8

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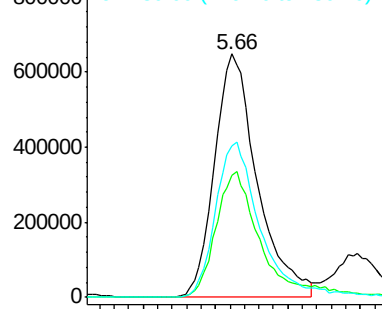
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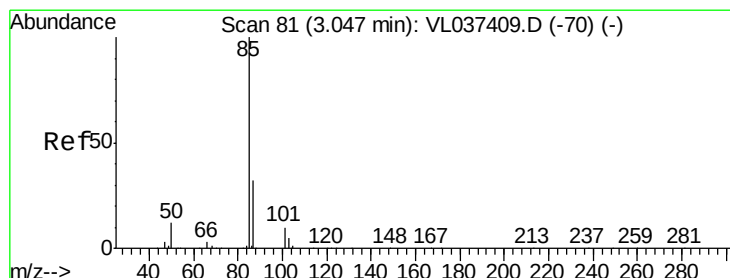
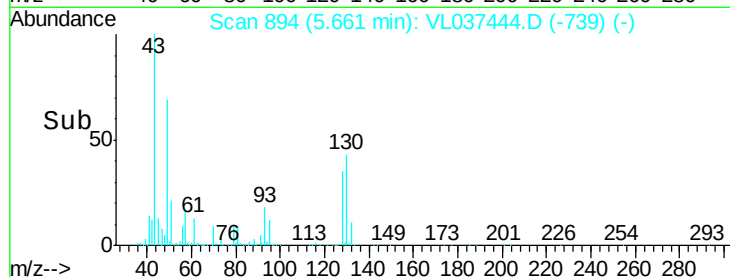
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 8.785 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037444.D

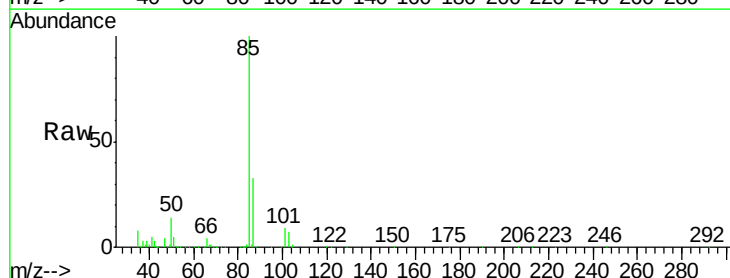
Acq: 13 Aug 2021 11:56

Tgt Ion: 85 Resp: 1783181

Ion Ratio Lower Upper

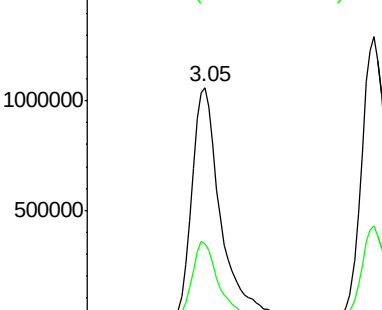
85 100

87 32.8 25.7 38.5

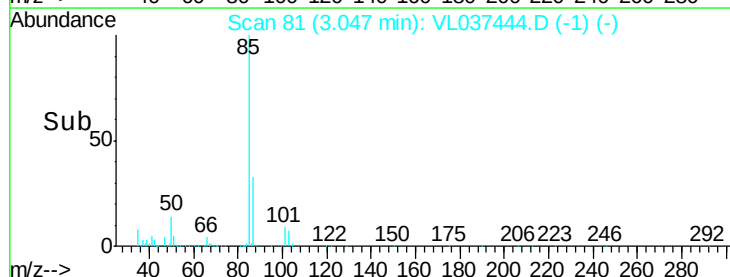


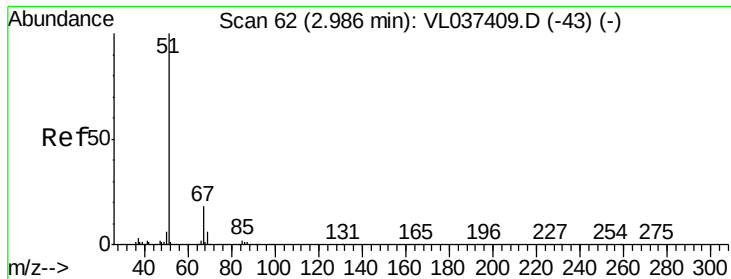
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->





#3

Chlorodifluoromethane

Concen: 9.589 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tot Ion: 51 Resp: 2501674

Ion Ratio Lower Upper

51 100

67 17.4 14.7 22.1

Instrument :

MSVOA_L

ClientSampleId :

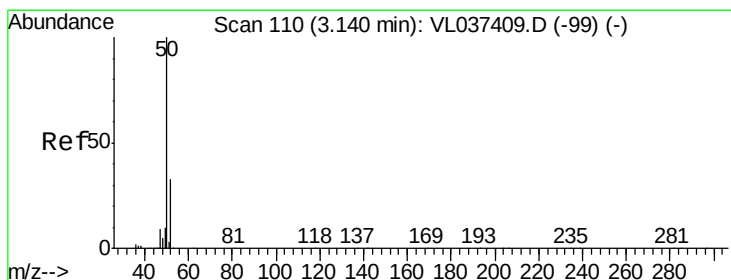
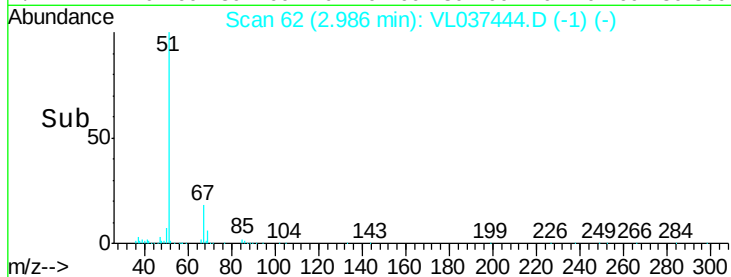
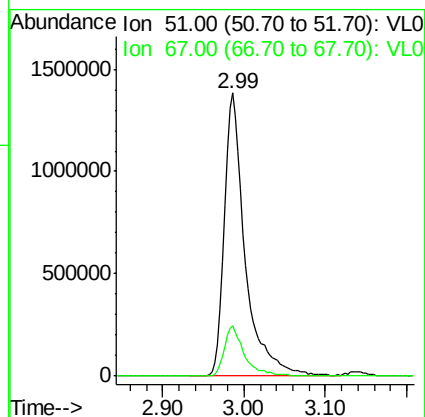
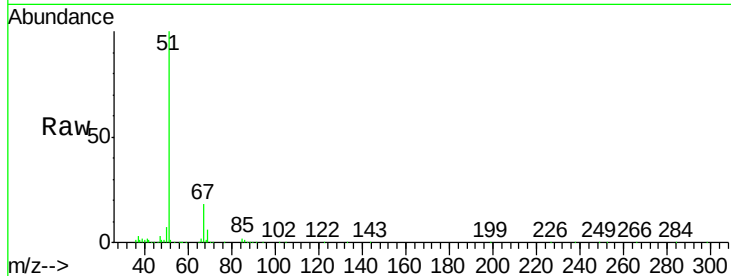
VL0813ABS01

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#4

Chloromethane

Concen: 9.762 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037444.D

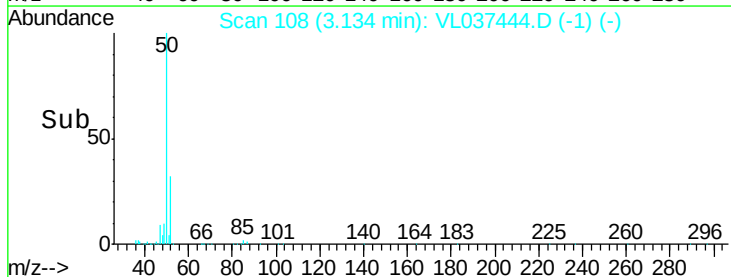
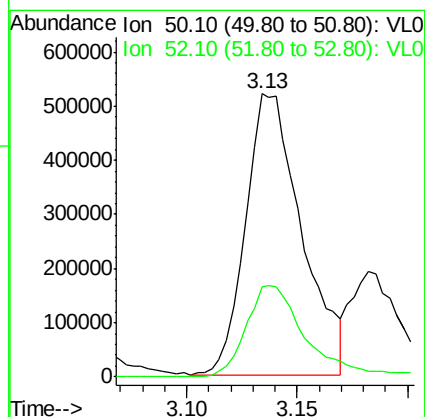
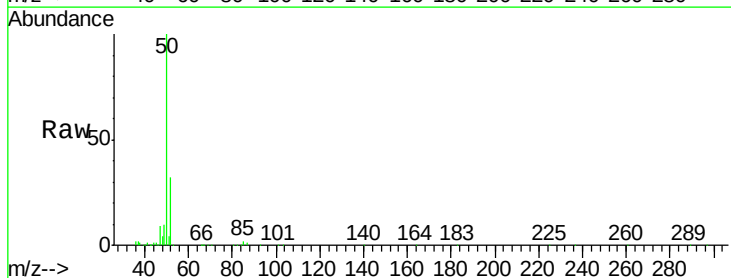
Acq: 13 Aug 2021 11:56

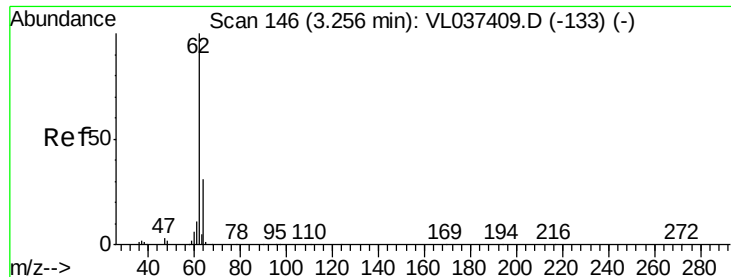
Tgt Ion: 50 Resp: 915539

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.4





#5

Vinyl Chloride

Concen: 9.509 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 62 Resp: 910947

Ion Ratio Lower Upper

62 100

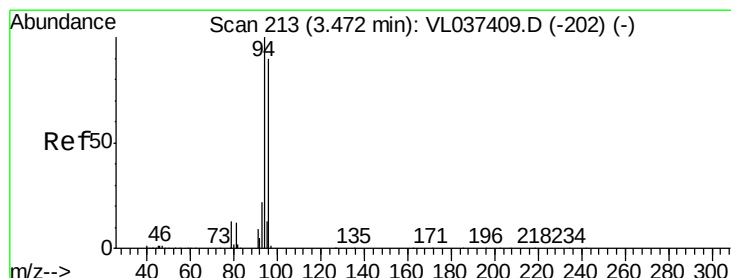
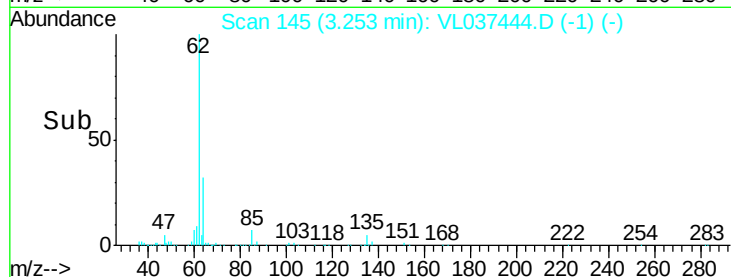
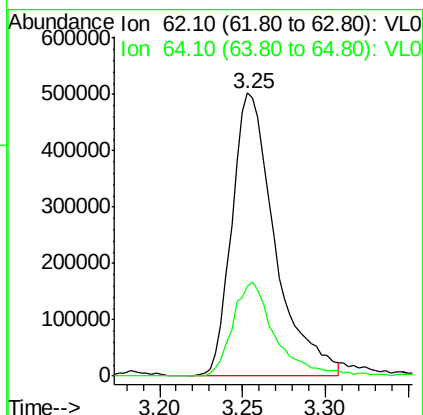
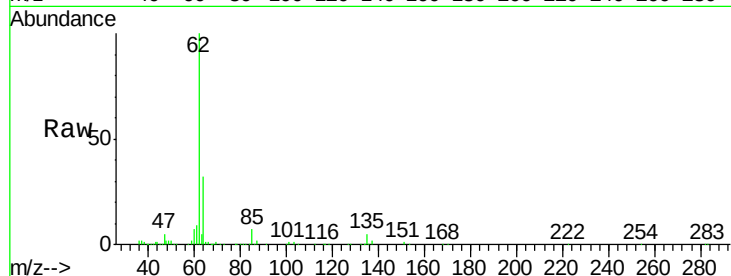
64 32.0 25.0 37.6

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#6

Bromomethane

Concen: 8.182 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037444.D

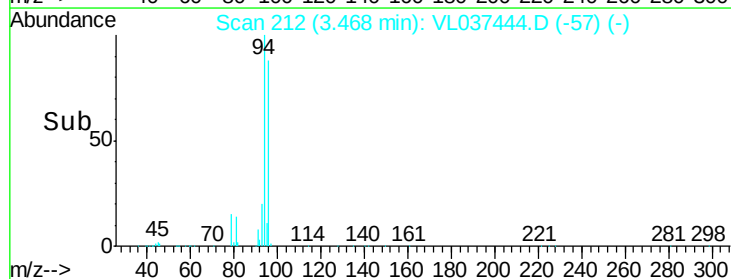
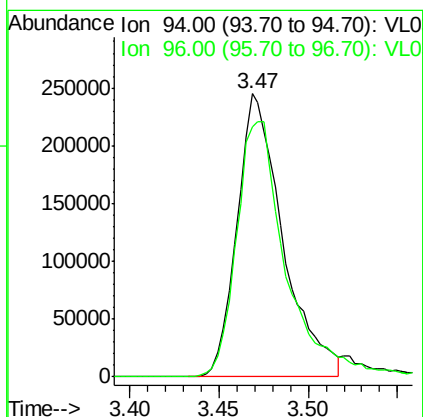
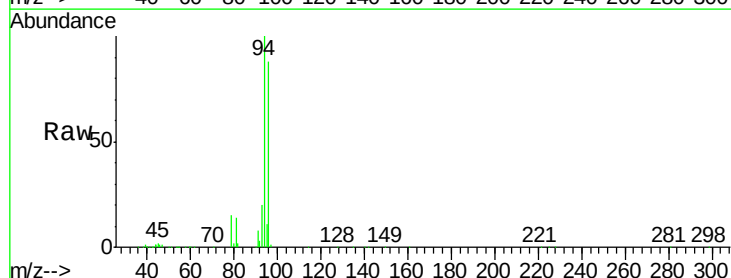
Acq: 13 Aug 2021 11:56

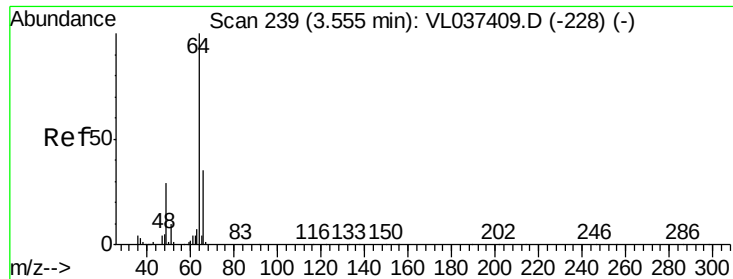
Tgt Ion: 94 Resp: 438437

Ion Ratio Lower Upper

94 100

96 88.1 72.2 108.4





#7

Chloroethane

Concen: 9.130 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 64 Resp: 311499

Ion Ratio Lower Upper

64 100

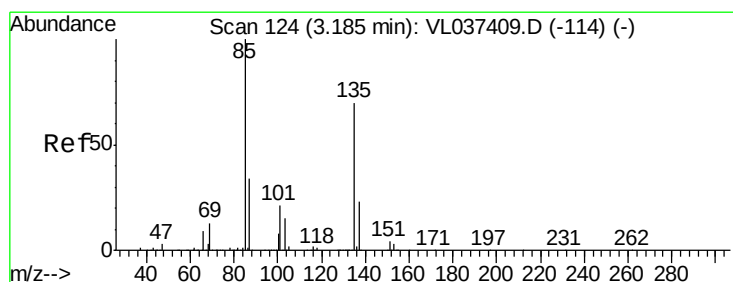
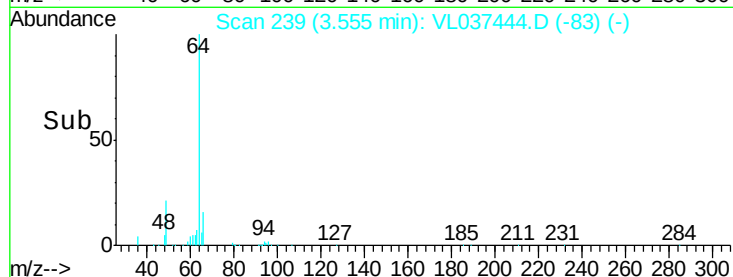
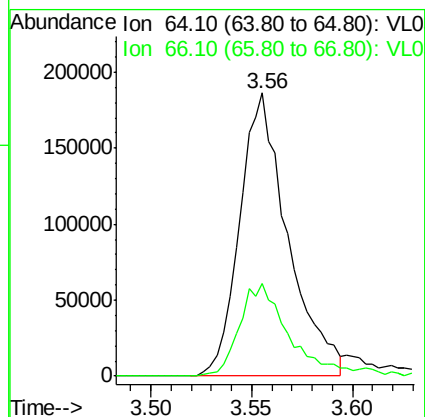
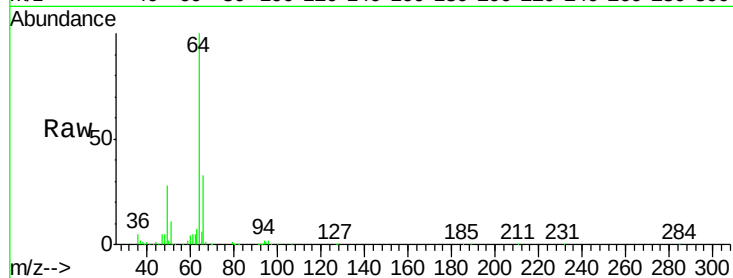
66 32.6 27.8 41.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.567 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037444.D

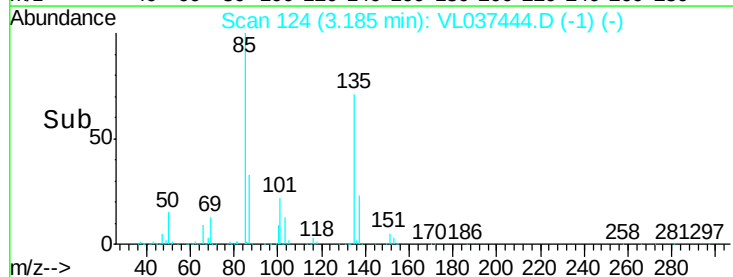
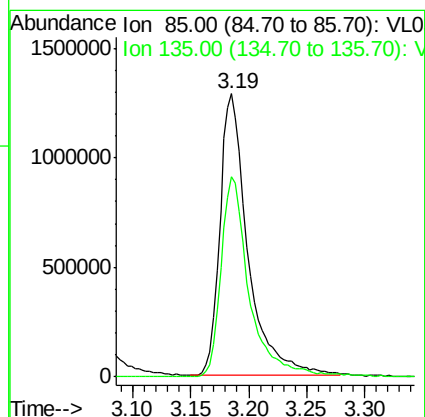
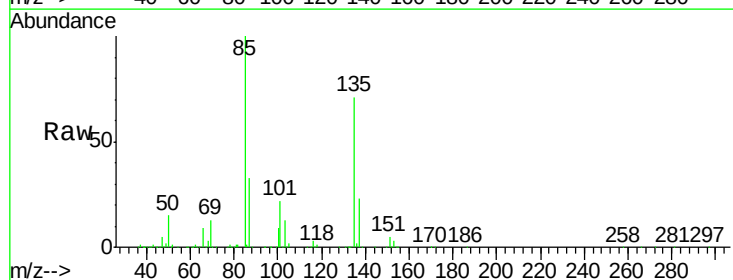
Acq: 13 Aug 2021 11:56

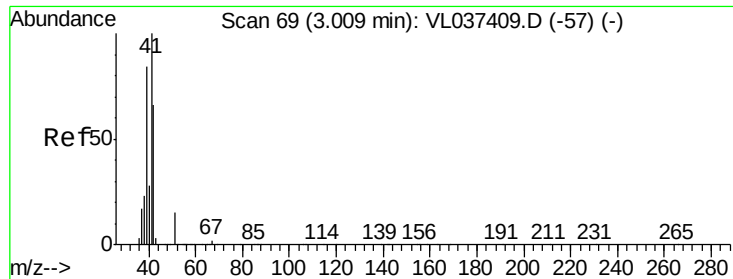
Tgt Ion: 85 Resp: 2167390

Ion Ratio Lower Upper

85 100

135 72.5 58.6 88.0





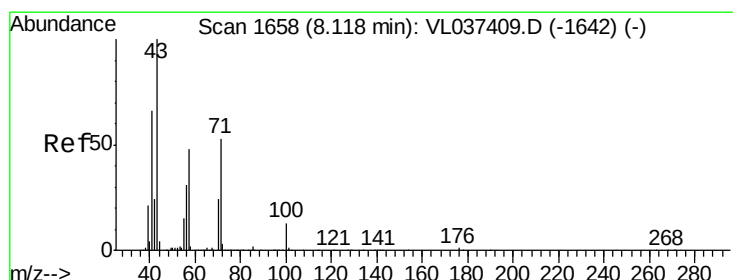
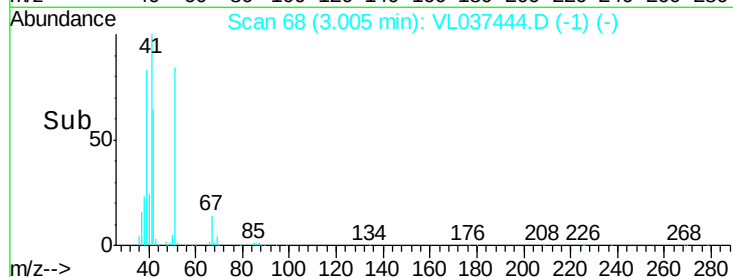
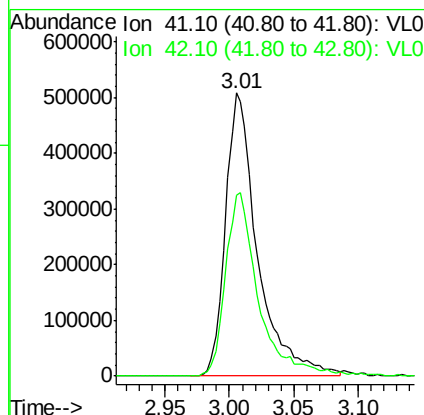
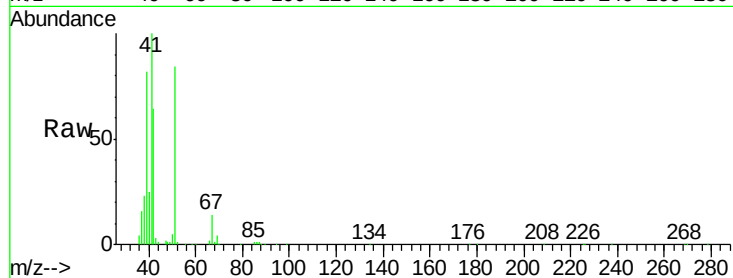
#9
 Propene
 Concen: 9.994 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion: 41 Resp: 875529
 Ion Ratio Lower Upper
 41 100
 42 67.4 53.8 80.8

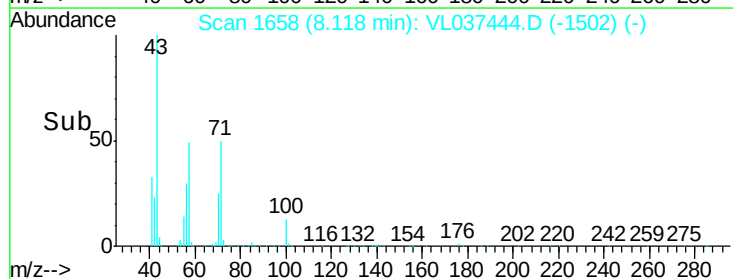
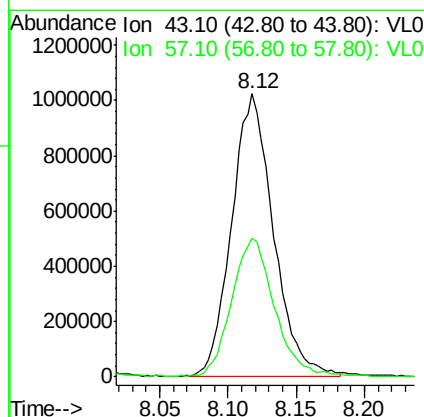
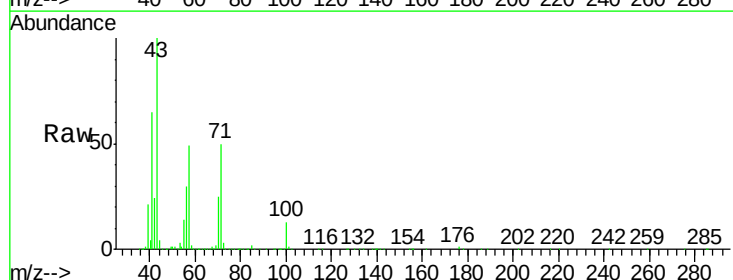
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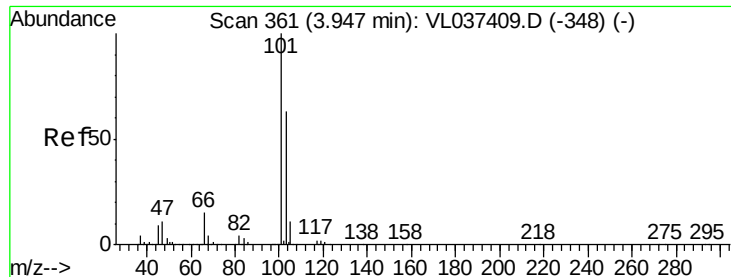
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#10
 Heptane
 Concen: 10.131 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VL037444.D
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Tgt Ion: 43 Resp: 2158287
 Ion Ratio Lower Upper
 43 100
 57 50.6 40.3 60.5





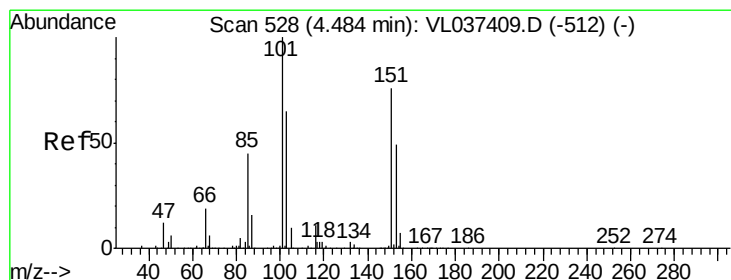
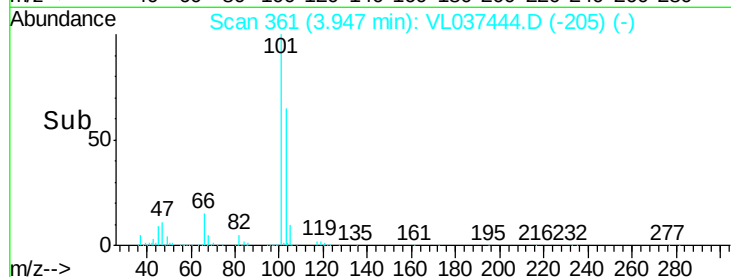
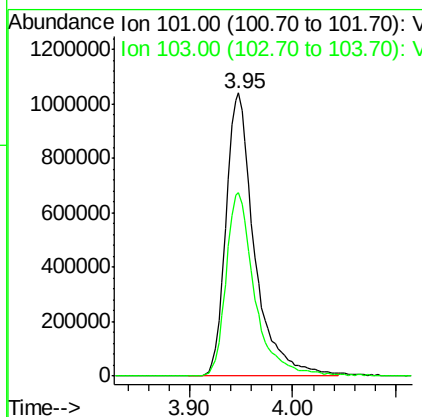
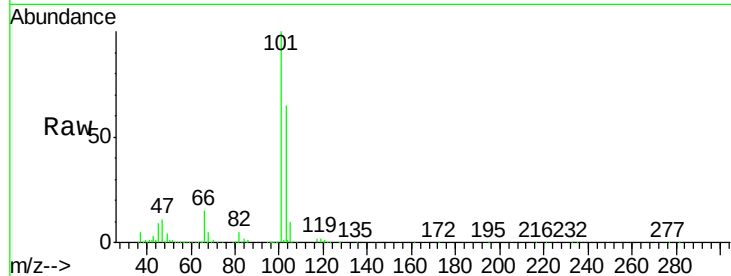
#11
 Trichlorofluoromethane
 Concen: 9.154 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion:101 Resp: 2010665
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.2 75.4

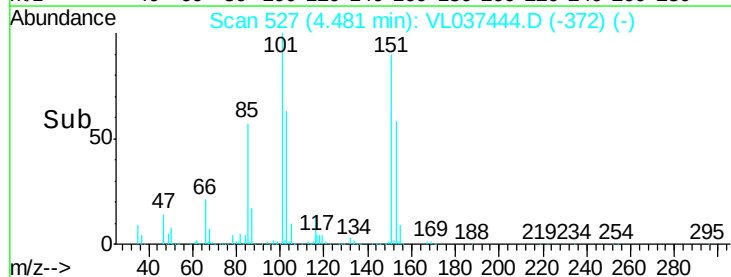
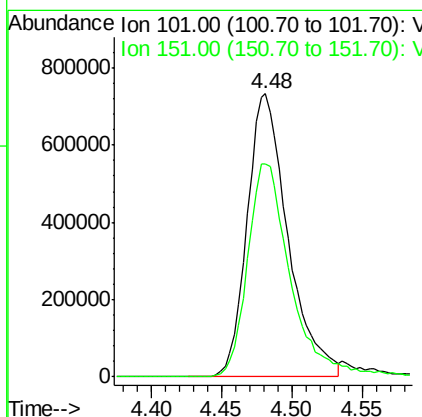
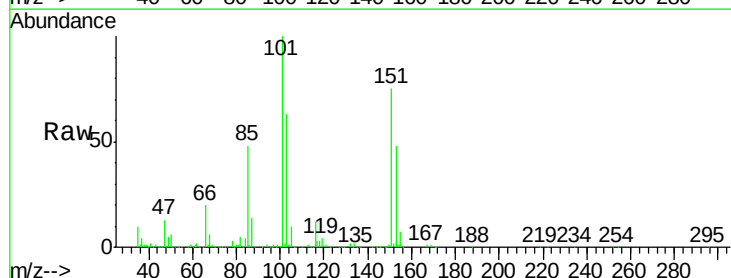
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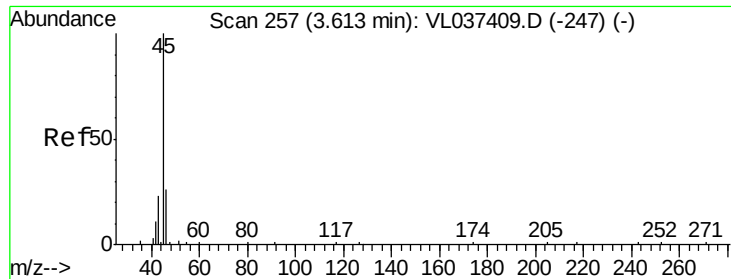
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.643 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion:101 Resp: 1483699
 Ion Ratio Lower Upper
 101 100
 151 80.0 61.2 91.8





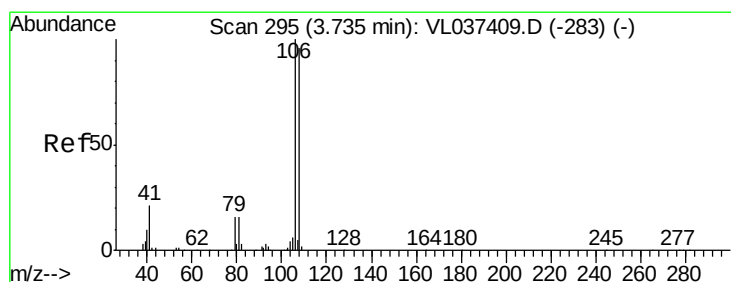
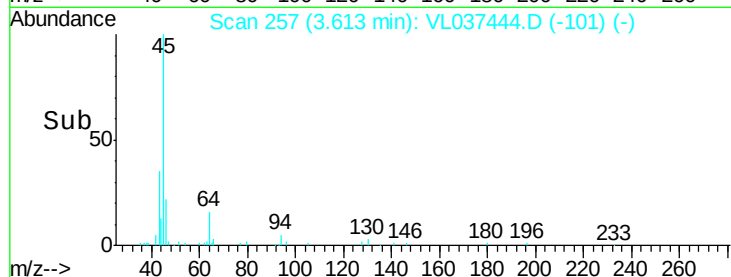
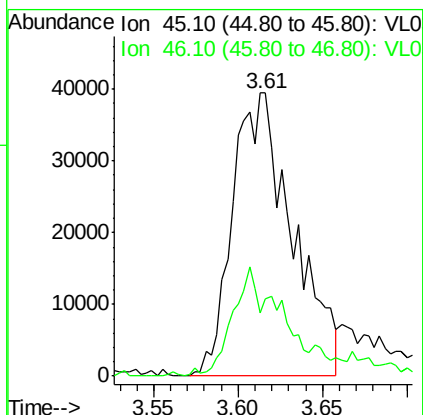
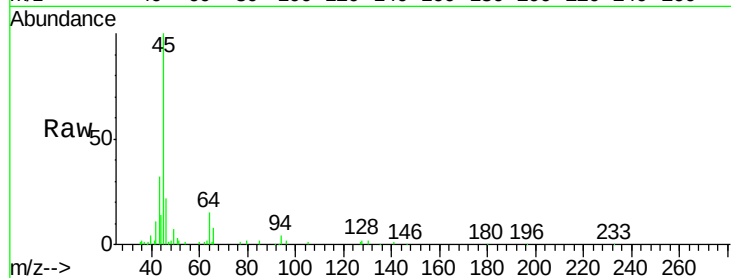
#13
Ethanol
Concen: 10.423 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.0	72.2#

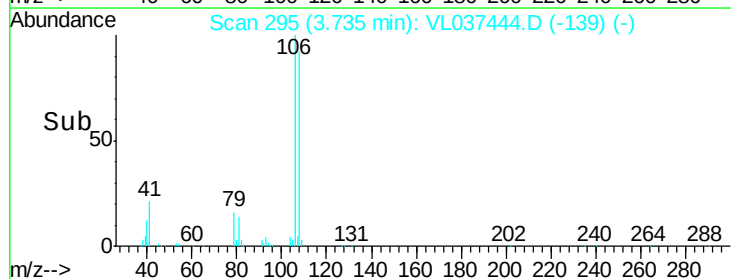
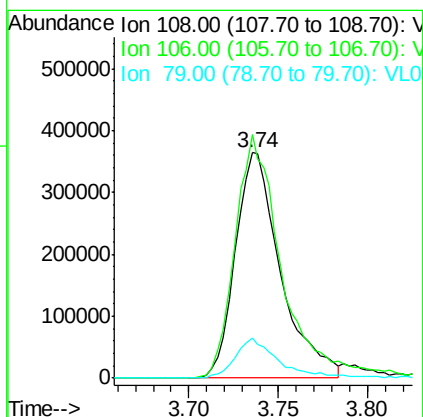
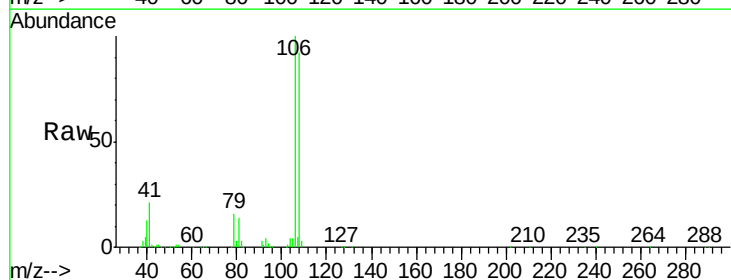
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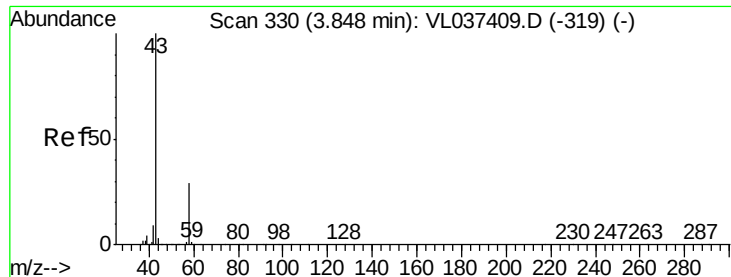
MMDadoda
8/16/2021 5:03:55 PM



#14
Bromoethene
Concen: 9.395 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
108	100		
106	114.5	87.5	131.3
79	17.9	13.5	20.3





#15

Acetone

Concen: 8.091 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 43 Resp: 1140057

Ion Ratio Lower Upper

43 100

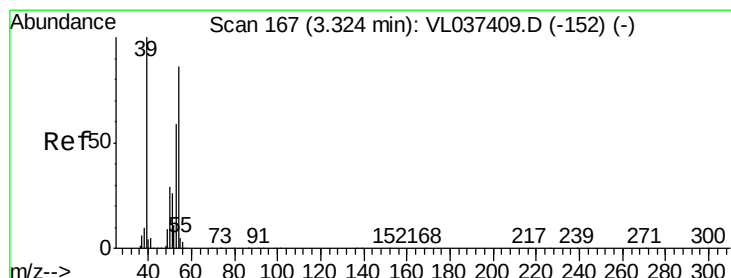
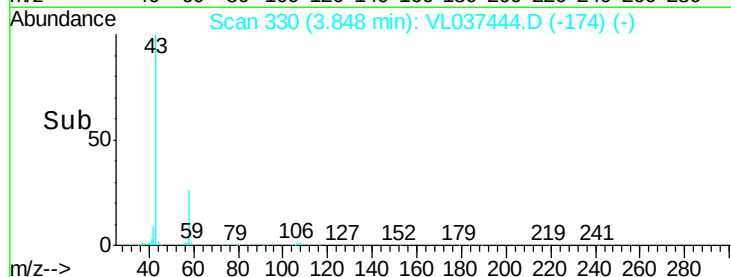
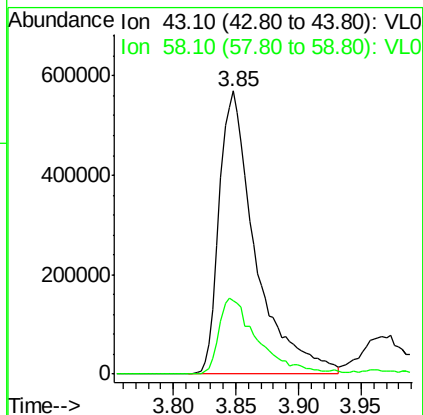
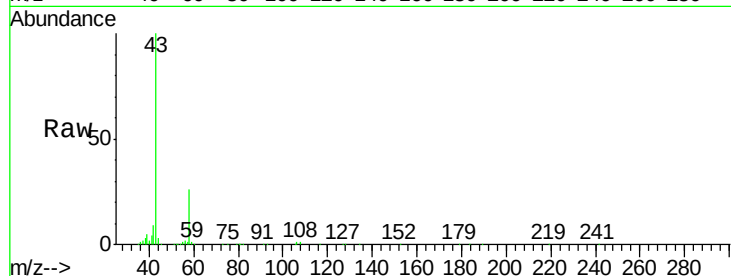
58 29.2 24.4 36.6

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#16

1,3-Butadiene

Concen: 9.565 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037444.D

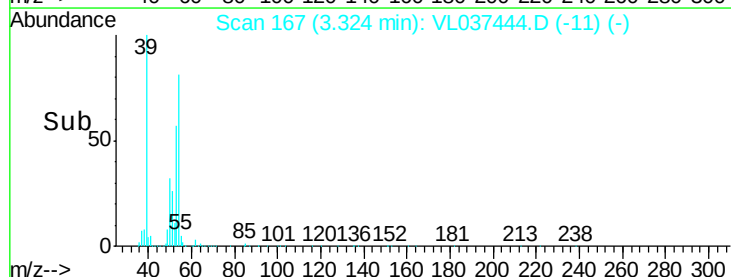
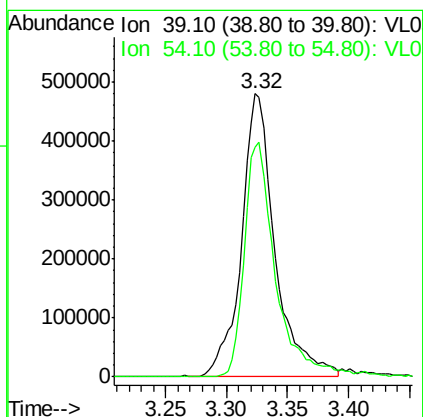
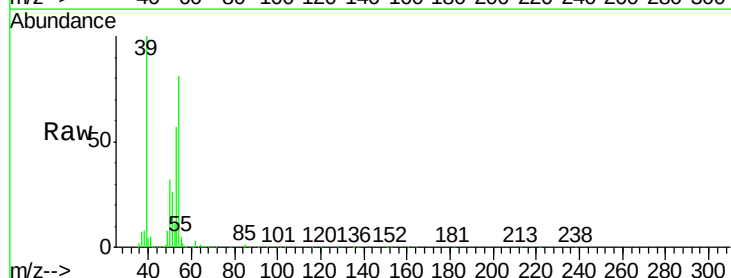
Acq: 13 Aug 2021 11:56

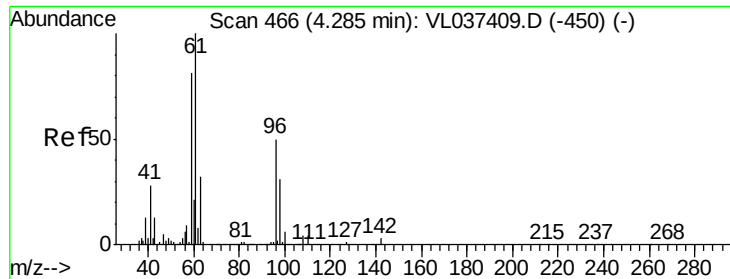
Tgt Ion: 39 Resp: 904566

Ion Ratio Lower Upper

39 100

54 78.5 61.4 92.0





#17

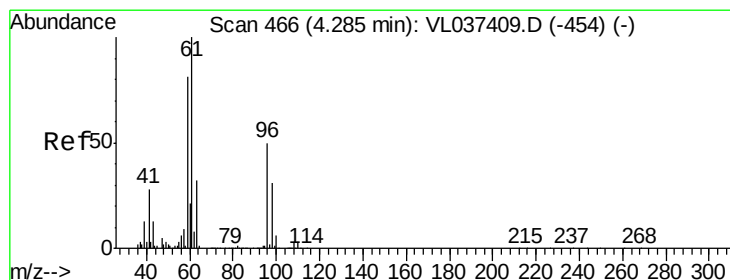
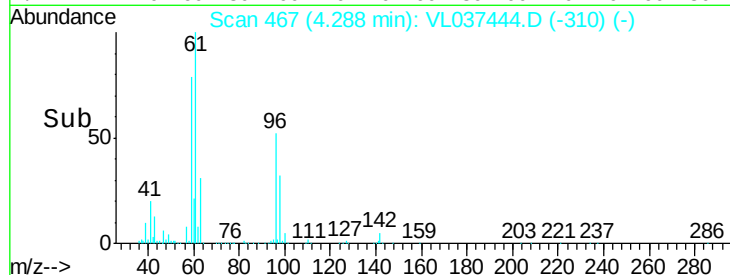
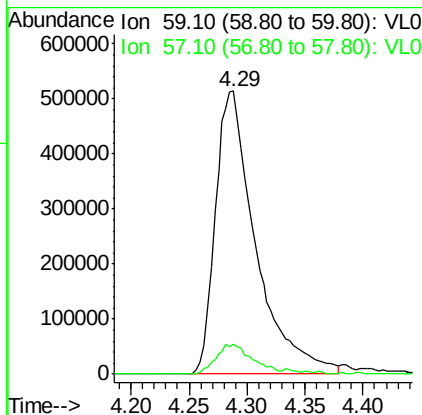
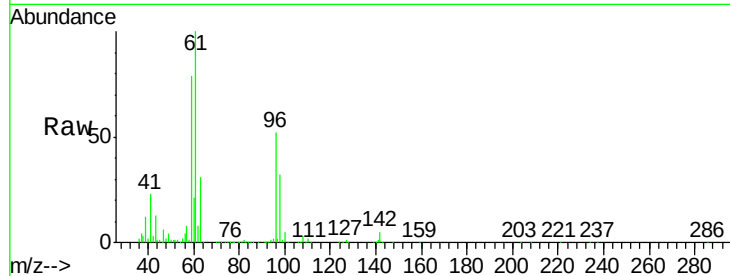
tert-Butyl alcohol
Concen: 9.230 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 59 Resp: 1241293
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

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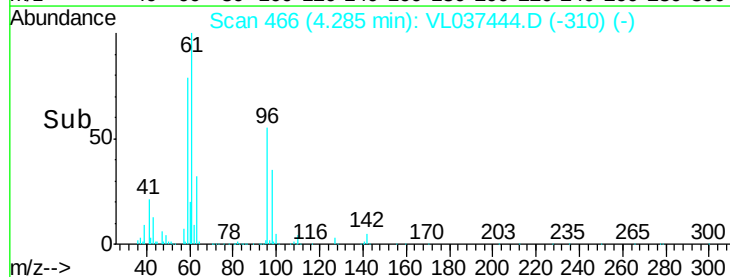
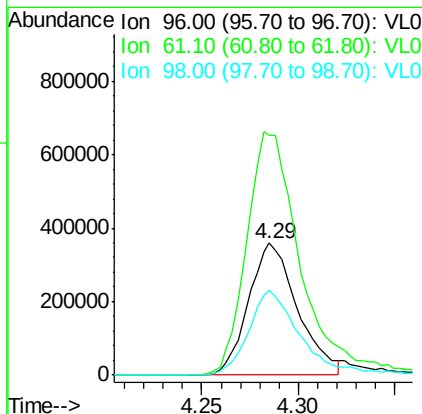
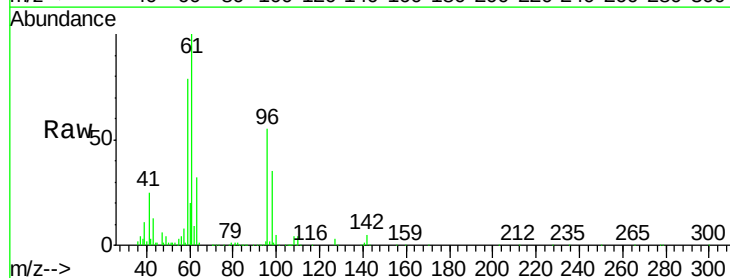
MMDadoda
8/16/2021 5:03:55 PM

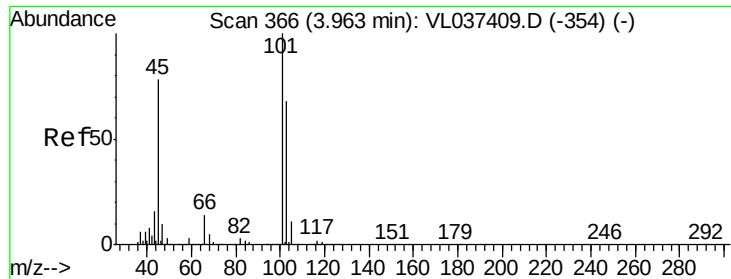


#18

1,1-Dichloroethene
Concen: 8.872 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 96 Resp: 633785
Ion Ratio Lower Upper
96 100
61 182.0 159.0 238.4
98 64.2 49.4 74.2





#19

Isopropyl Alcohol

Concen: 8.399 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 45 Resp: 688695

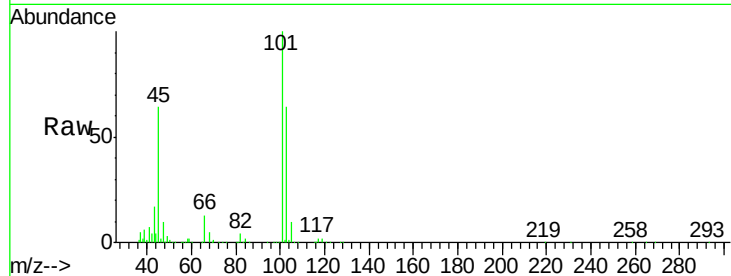
Ion Ratio Lower Upper

45 100

58 4.1 2.2 3.4#

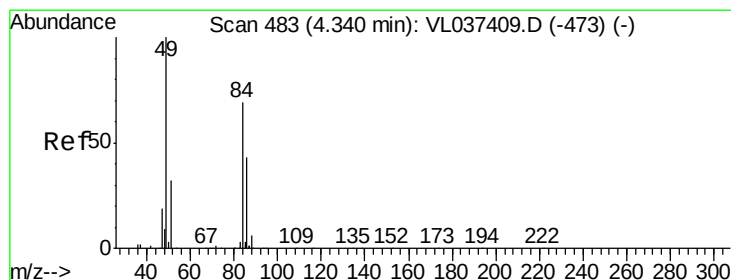
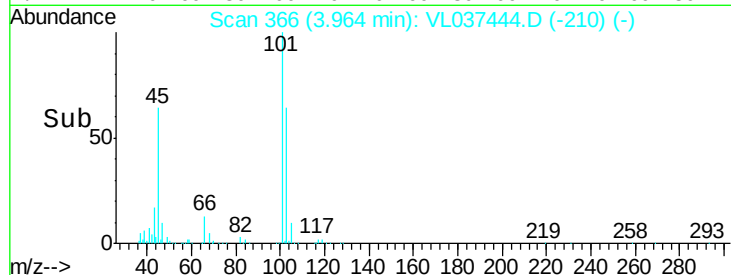
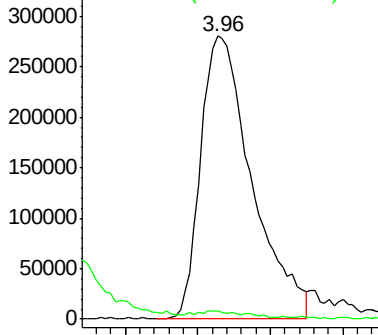
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.243 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 84 Resp: 614097

Ion Ratio Lower Upper

84 100

49 152.2 116.0 174.0

51 42.9 37.1 55.7

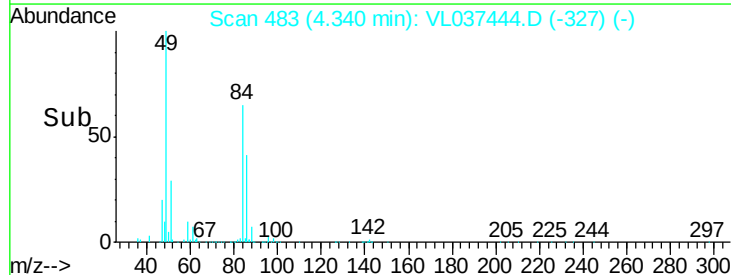
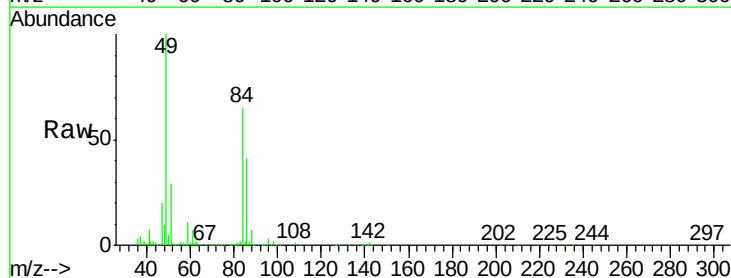
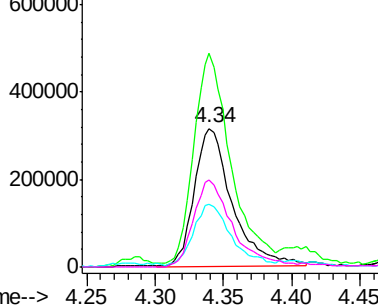
86 62.8 49.4 74.0

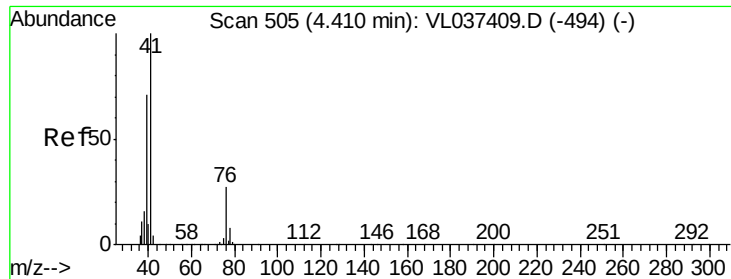
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





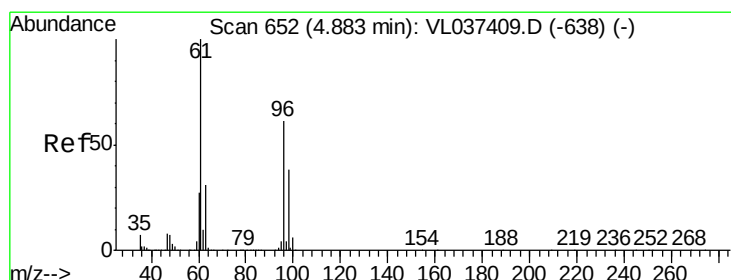
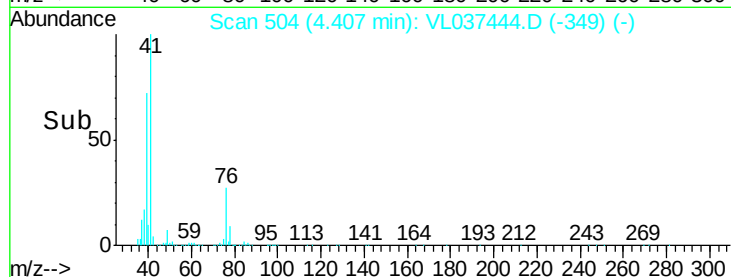
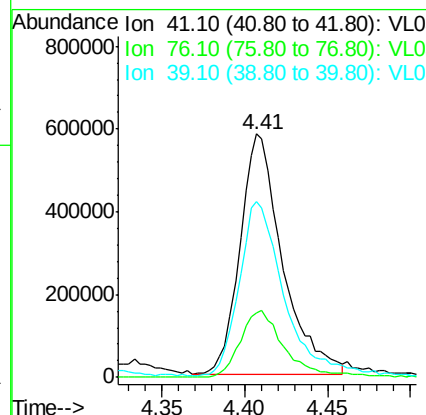
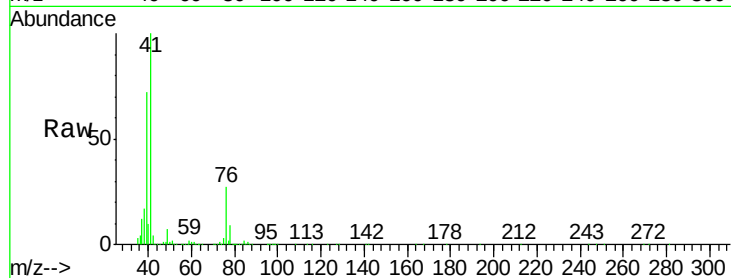
#21
Allvl Chloride
Concen: 9.312 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.7	35.5
39	78.0	62.3	93.5

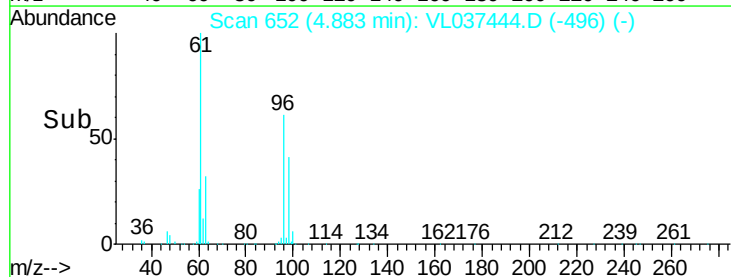
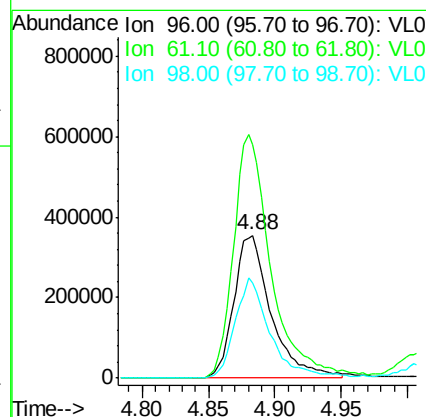
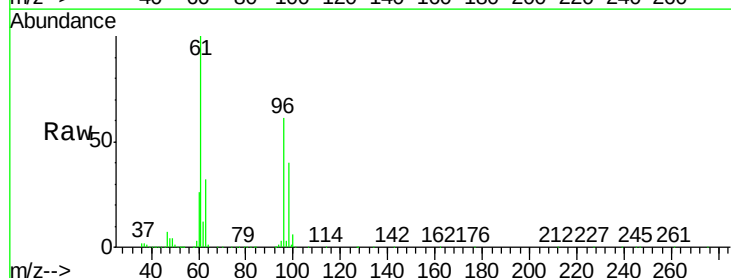
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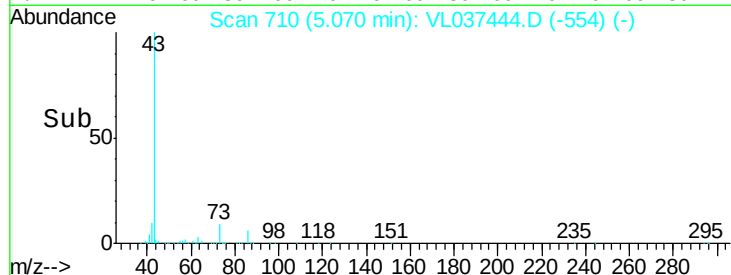
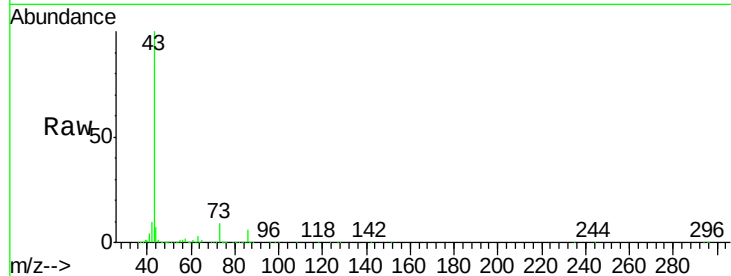
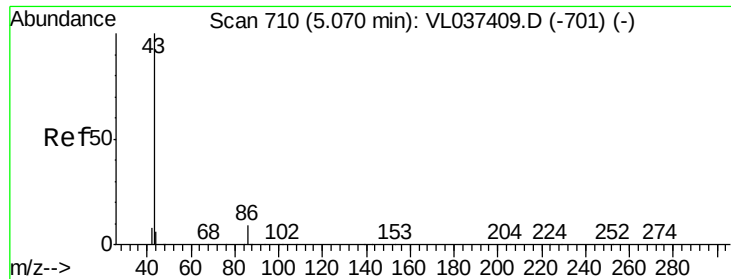
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.372 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	131.0	196.4
98	66.2	50.2	75.4





#23

Vinyl Acetate

Concen: 7.548 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL037444.D

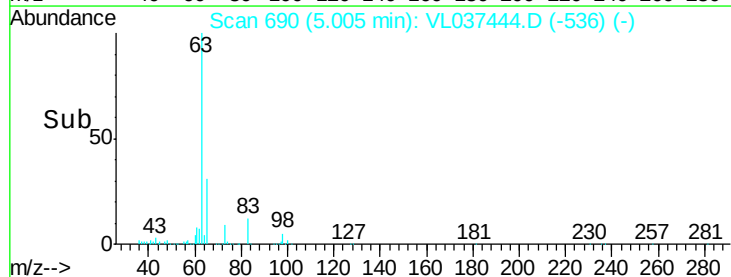
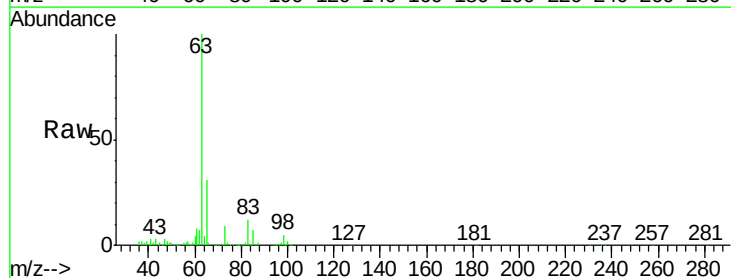
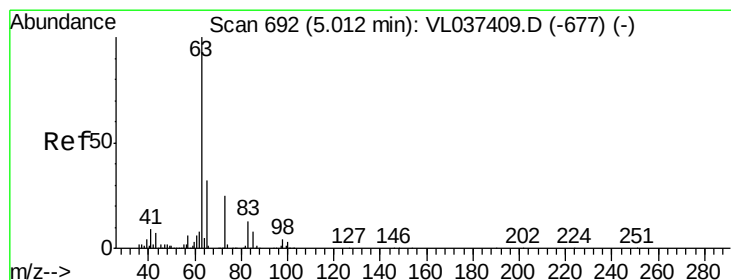
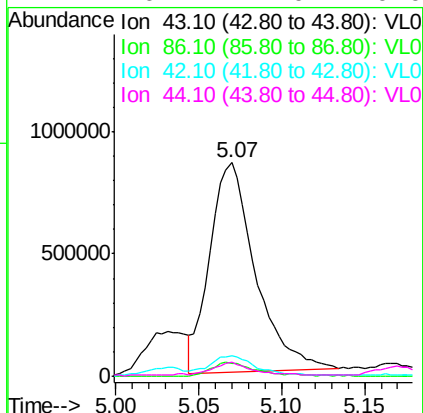
Acq: 13 Aug 2021 11:56

Tot Ion:	43	Resp:	1631818
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.8	8.8
42	9.3	7.7	11.5
44	6.1	4.0	6.0#

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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#24

1,1-Dichloroethane

Concen: 8.198 ppbv

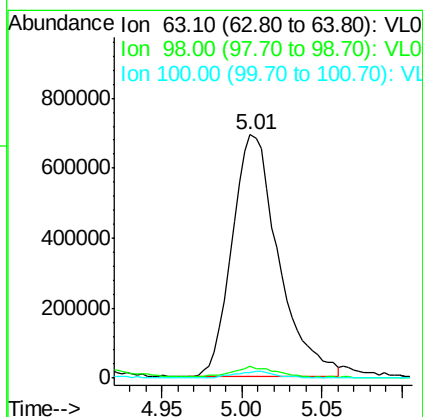
RT: 5.01 min Scan# 690

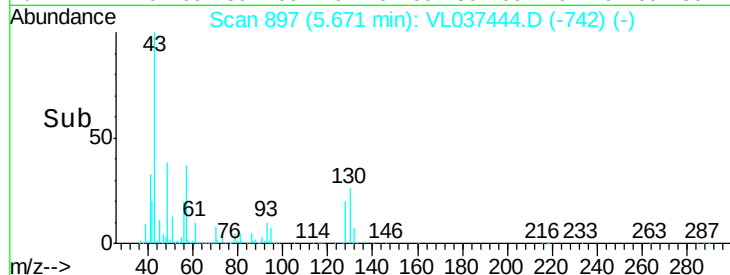
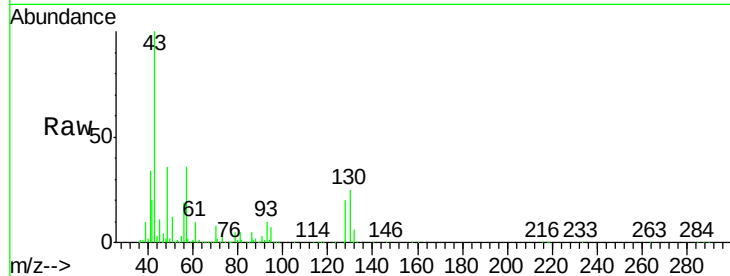
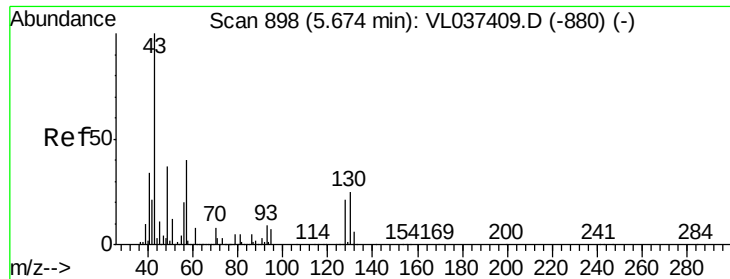
Delta R.T. -0.01 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion:	63	Resp:	1376601
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.3
100	2.4	1.6	4.7





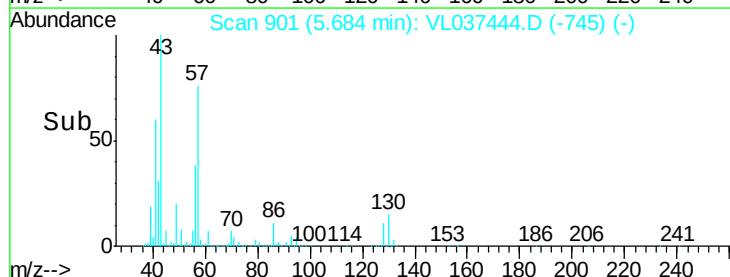
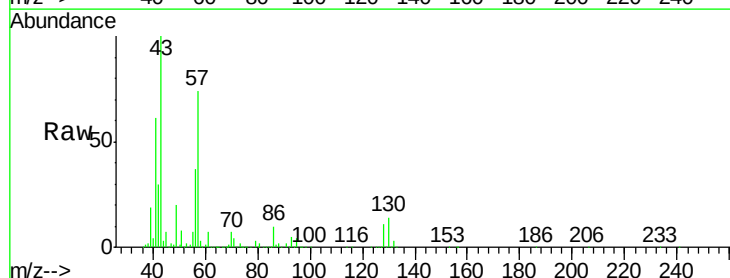
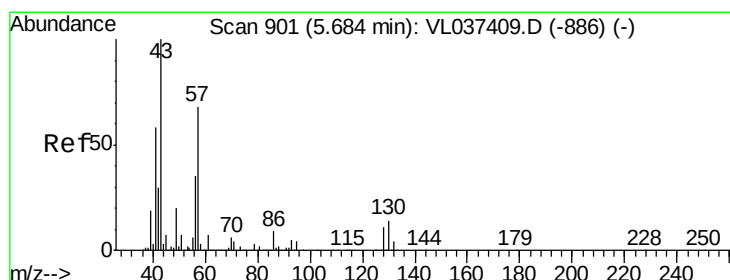
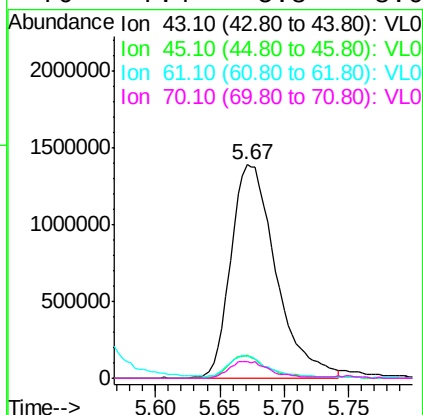
#25
Ethyl Acetate
Concen: 10.039 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.9	11.9	
61	9.5	7.7	11.5	
70	7.4	5.8	8.6	

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

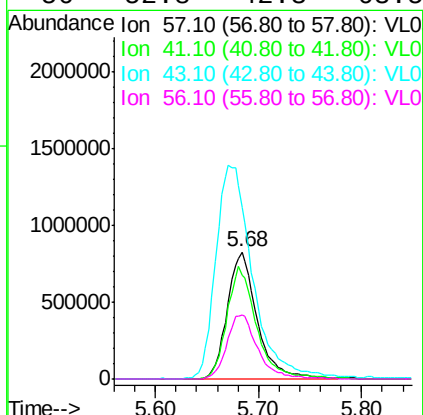
Manual Integrations
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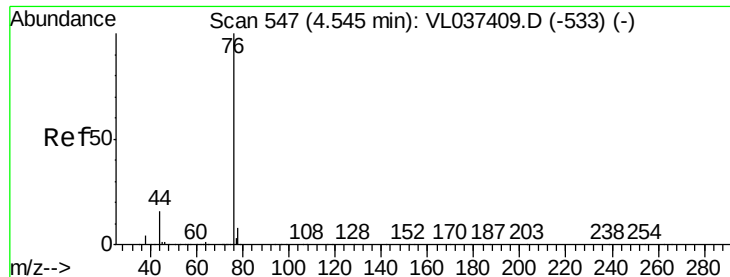
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#26
Hexane
Concen: 9.645 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	88.7	72.5	108.7	
43	208.1	169.3	253.9	
56	52.8	42.3	63.5	





#27

Carbon Disulfide

Concen: 11.192 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 76 Resp: 1635139

Ion Ratio Lower Upper

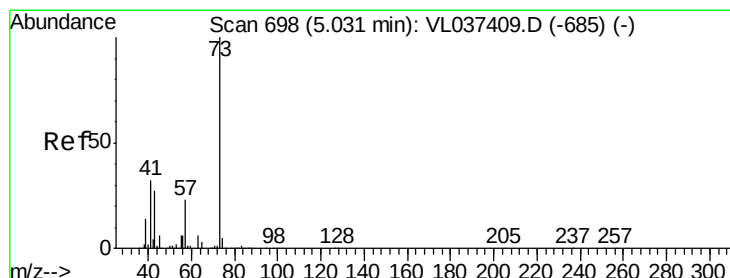
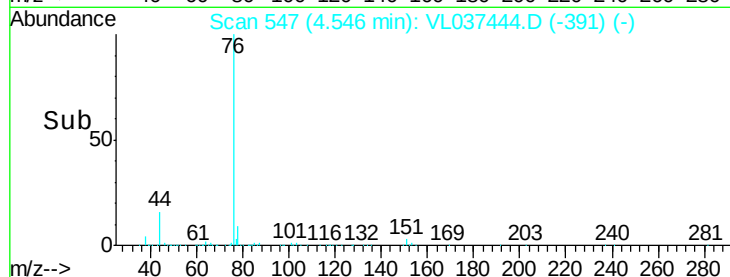
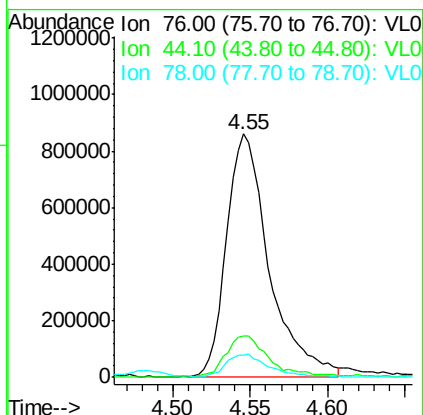
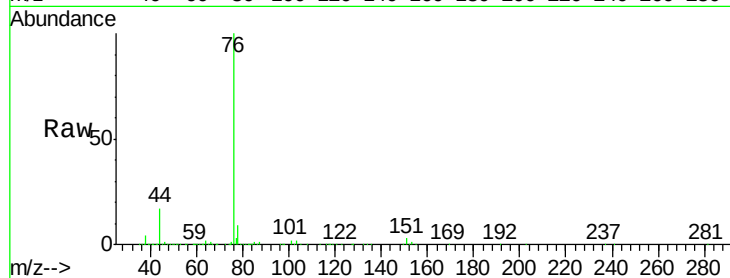
76 100

44 17.9 14.4 21.6

78 9.8 8.0 12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 7.973 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL037444.D

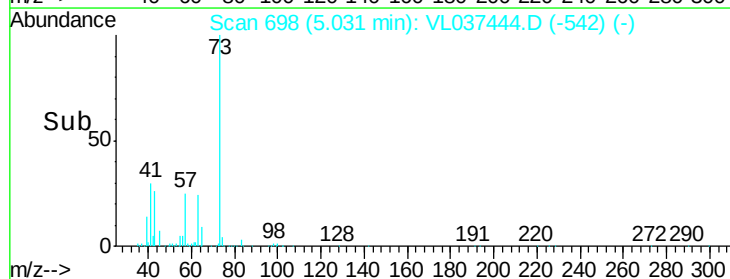
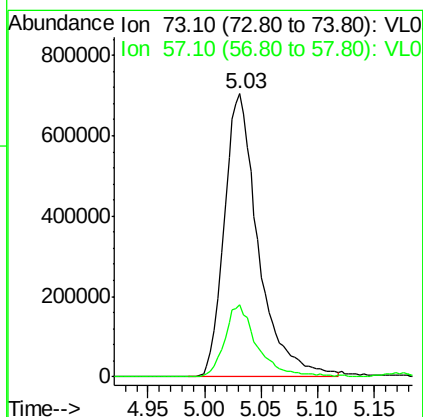
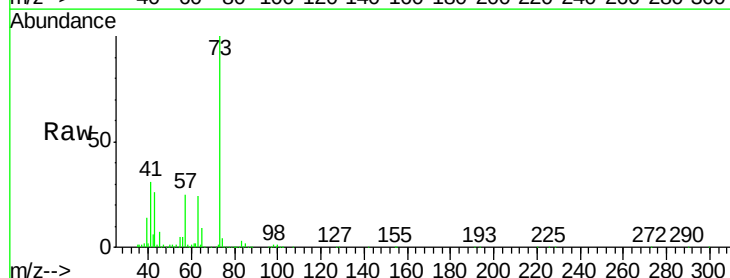
Acq: 13 Aug 2021 11:56

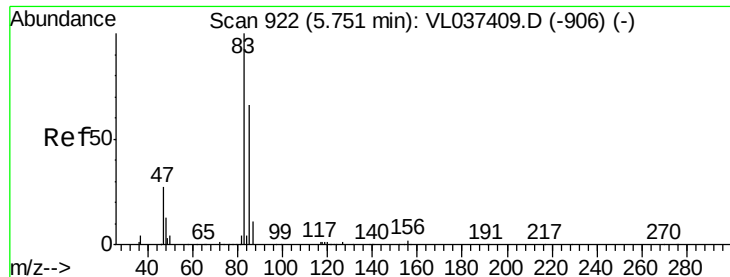
Tgt Ion: 73 Resp: 1478681

Ion Ratio Lower Upper

73 100

57 24.4 19.0 28.4





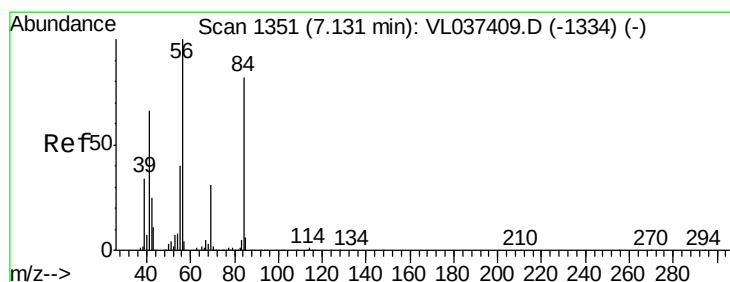
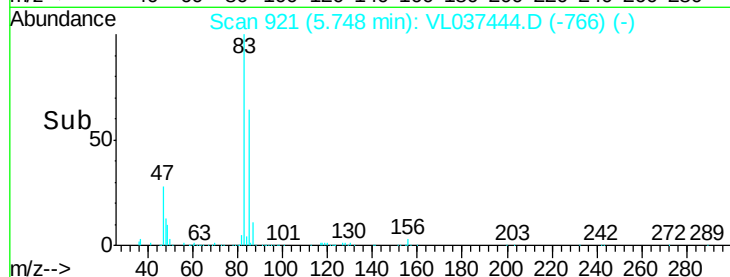
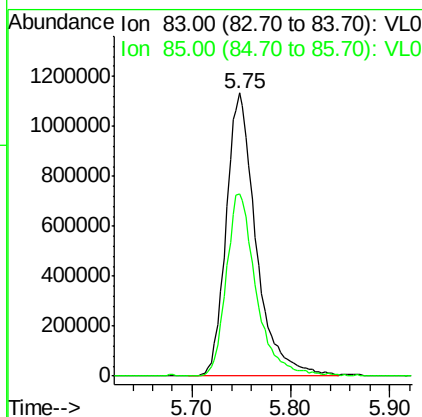
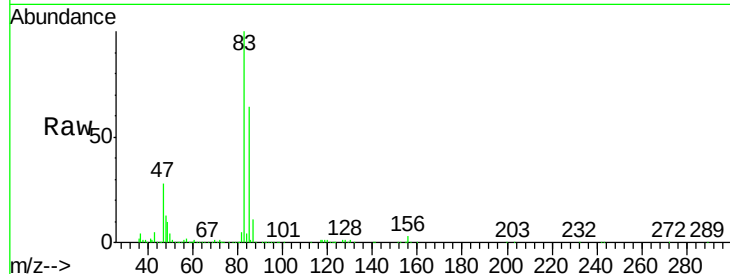
#29
Chloroform
Concen: 9.865 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 83 Resp: 2406750
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6

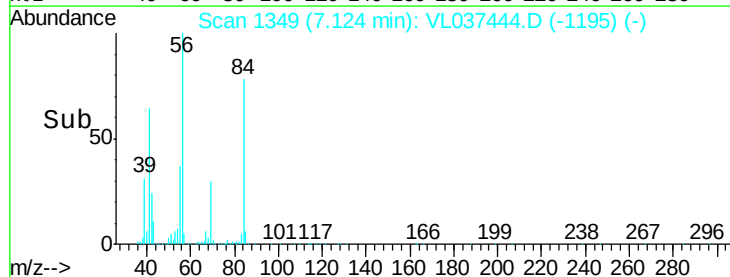
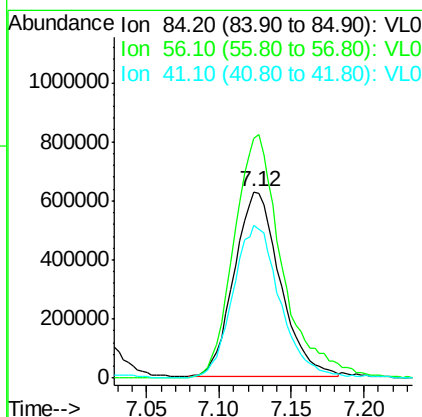
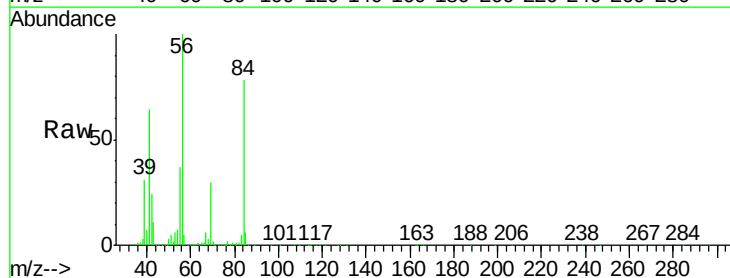
Manual Integrations
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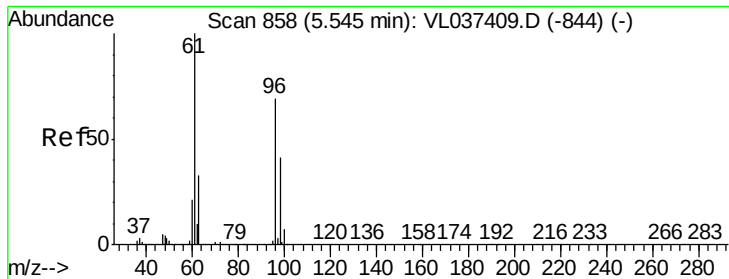
MMDadoda
8/16/2021 5:03:55 PM



#30
Cyclohexane
Concen: 9.702 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 84 Resp: 1384607
Ion Ratio Lower Upper
84 100
56 138.0 109.6 164.4
41 84.8 66.6 99.8





#31

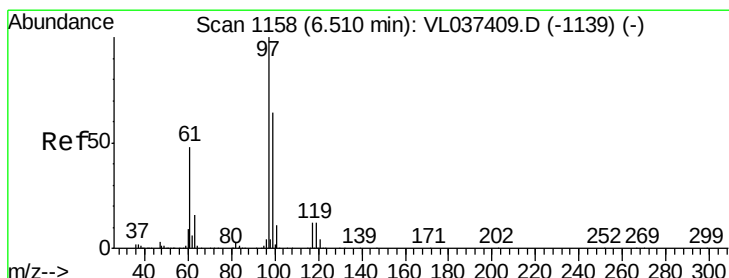
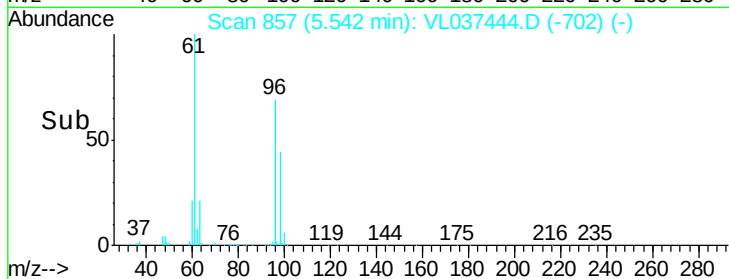
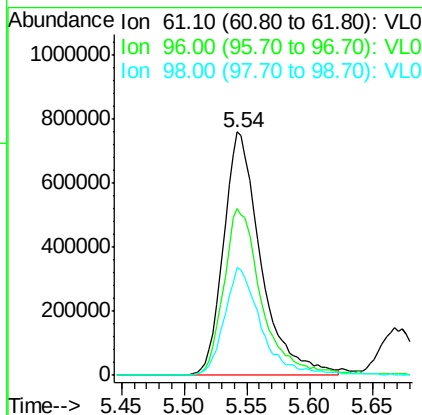
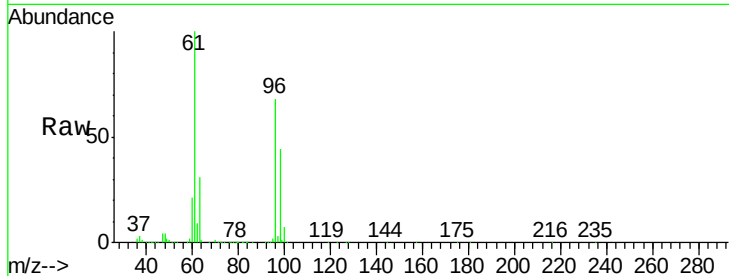
cis-1,2-Dichloroethene
 Concen: 10.389 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.5	55.5	83.3
98	44.0	33.1	49.7

Manual Integrations
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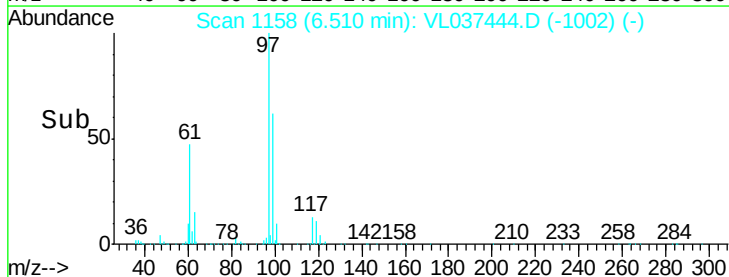
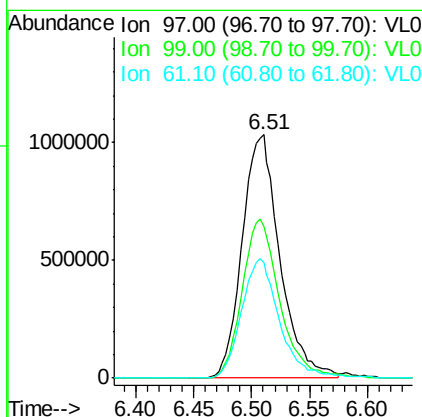
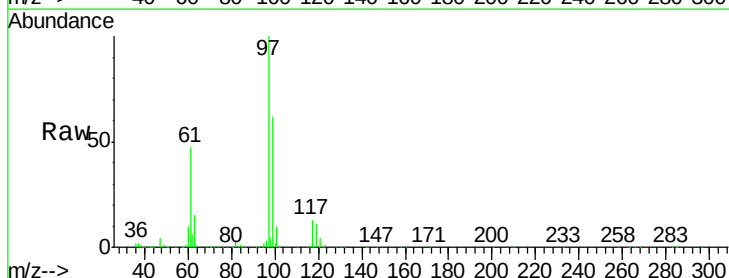
MMDadoda
 8/16/2021 5:03:55 PM

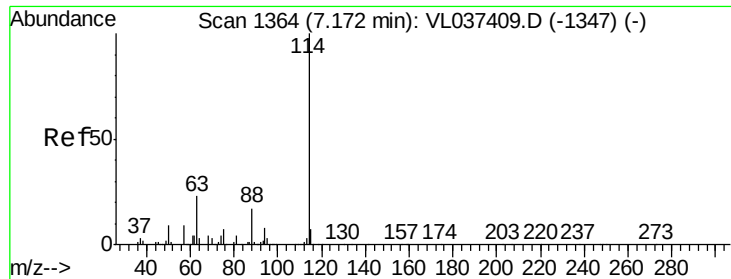


#32

1,1,1-Trichloroethane
 Concen: 9.510 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	49.4	40.1	60.1





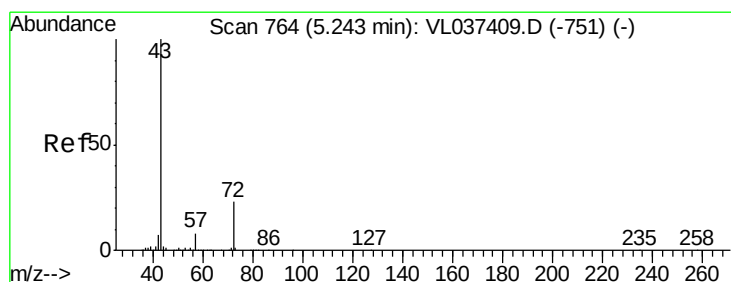
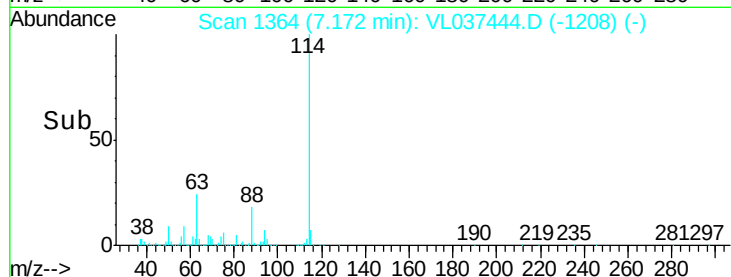
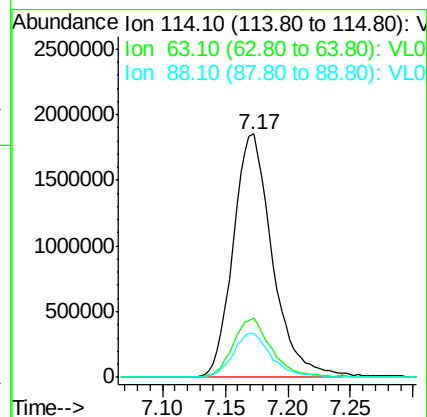
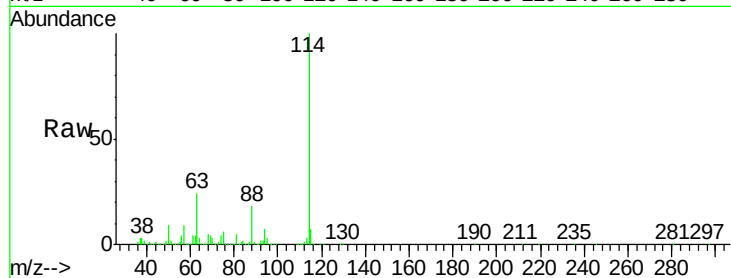
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.2
88	18.0	14.2	21.4

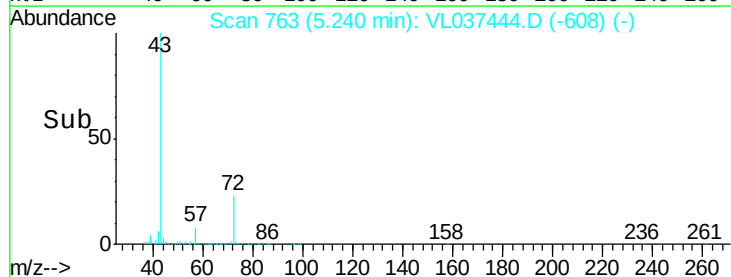
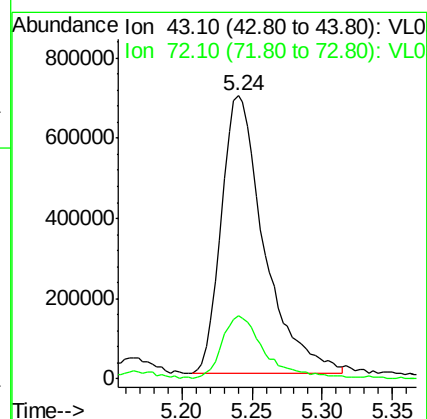
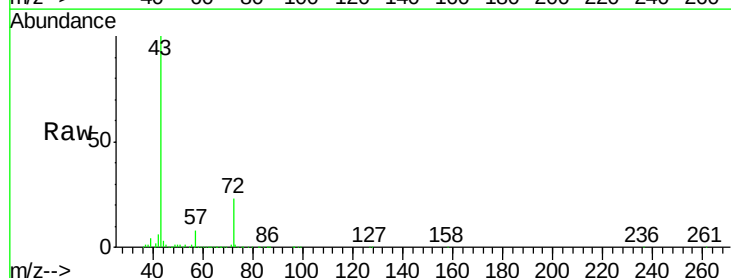
Manual Integrations
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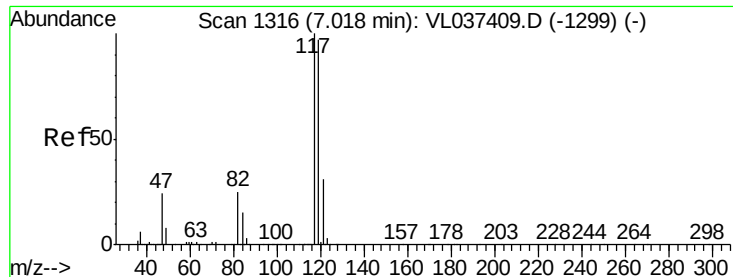
MMDadoda
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#34
 2-Butanone
 Concen: 8.866 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5





#35

Carbon Tetrachloride

Concen: 9.880 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 117 Resp: 2443871

Ion Ratio Lower Upper

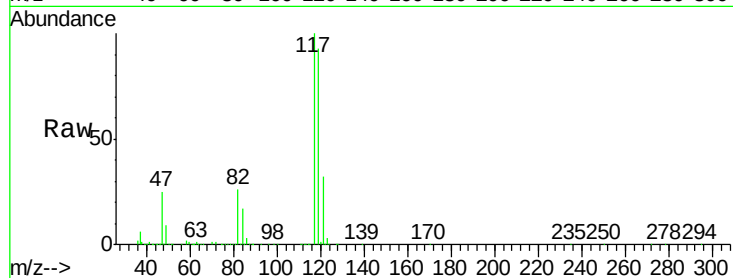
117 100

119 93.3 77.5 116.3

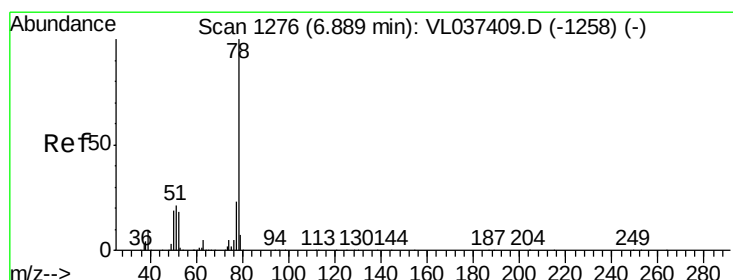
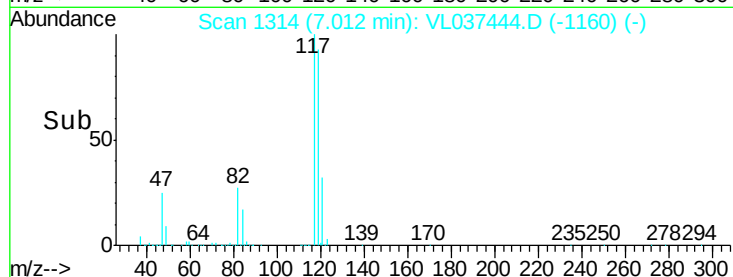
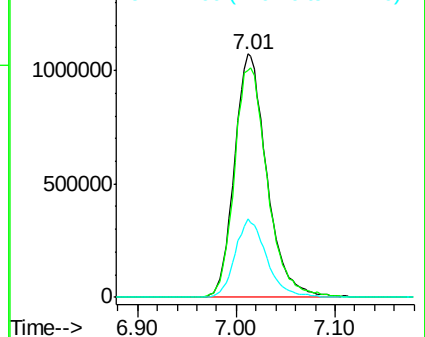
121 32.1 24.7 37.1

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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: 10.010 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

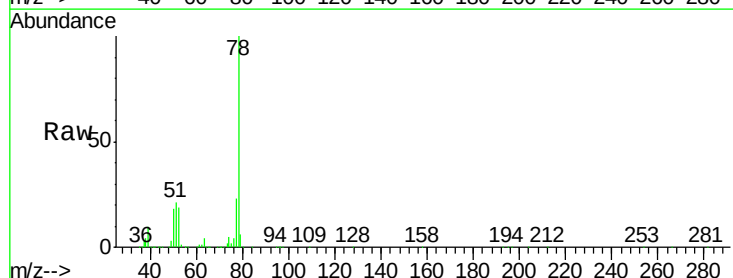
Tgt Ion: 78 Resp: 3385671

Ion Ratio Lower Upper

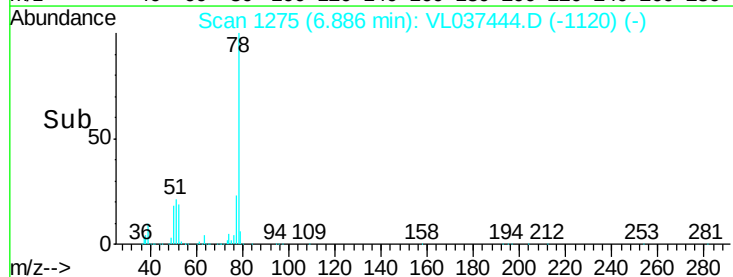
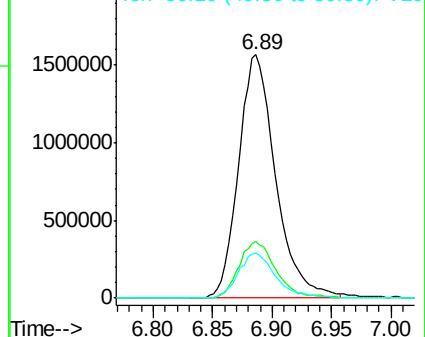
78 100

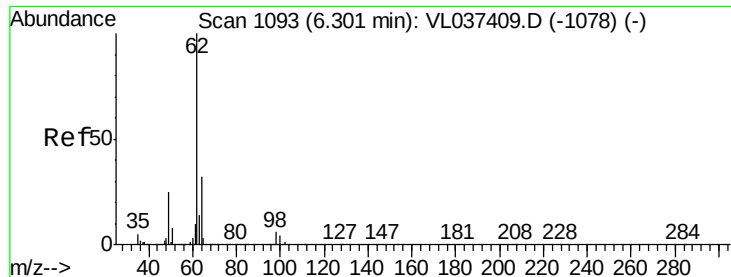
77 23.5 18.6 27.8

50 18.4 14.9 22.3



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





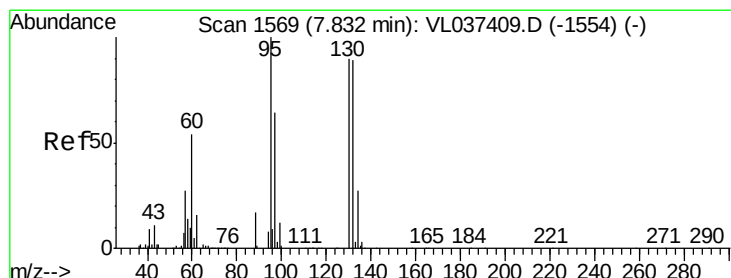
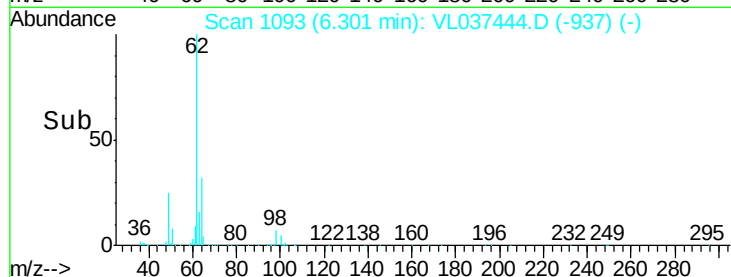
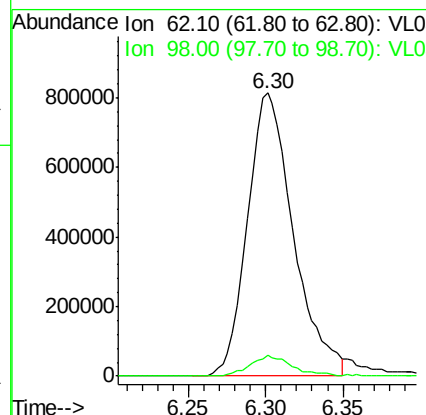
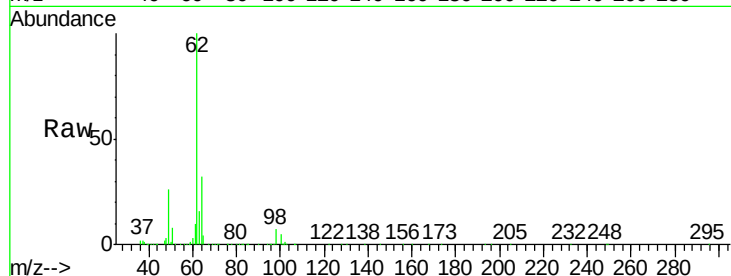
#37
 1,2-Dichloroethane
 Concen: 9.739 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.4	8.2

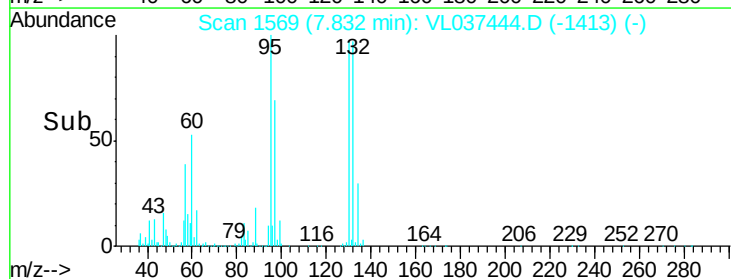
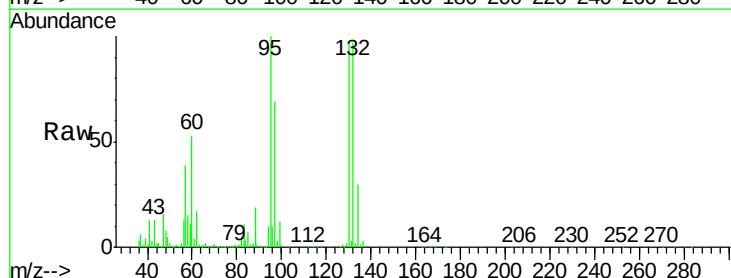
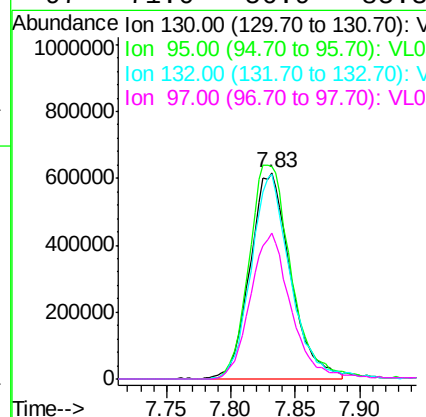
Manual Integrations
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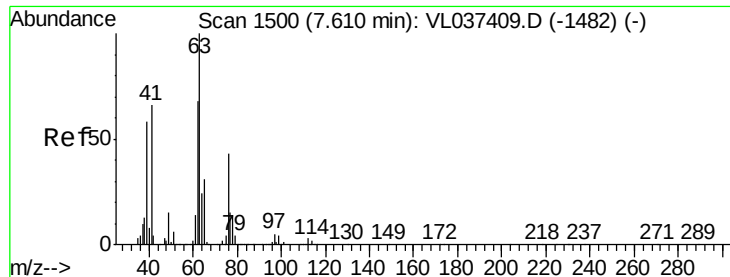
MMDadoda
 8/16/2021 5:03:55 PM



#38
 Trichloroethene
 Concen: 8.967 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	88.6	132.8
132	99.5	79.2	118.8
97	71.0	56.9	85.3





#39

1,2-Dichloropropane

Concen: 9.965 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 63 Resp: 1284017

Ion Ratio Lower Upper

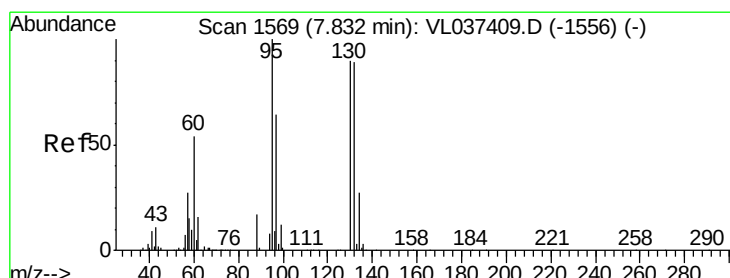
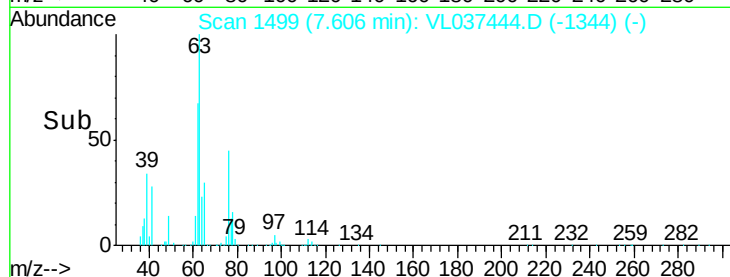
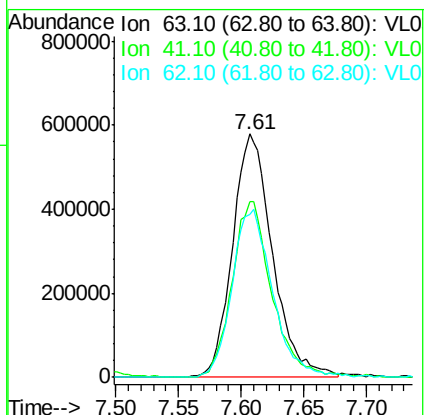
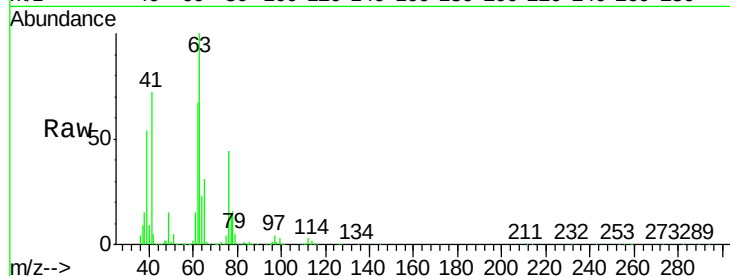
63 100

41 72.2 53.0 79.6

62 66.7 54.5 81.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.595 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 88 Resp: 300863

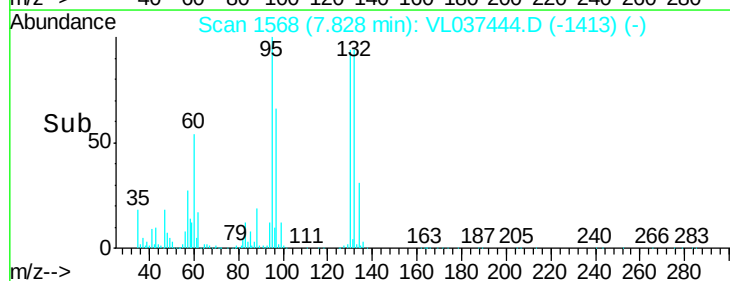
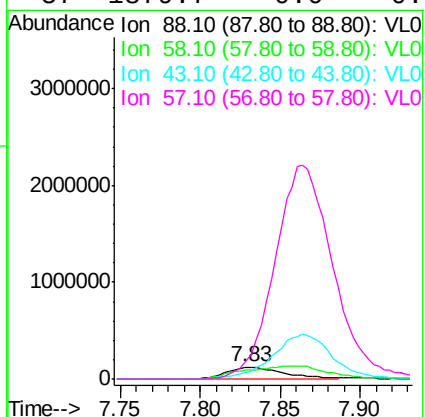
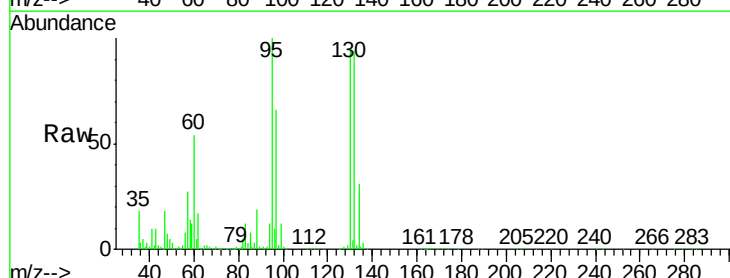
Ion Ratio Lower Upper

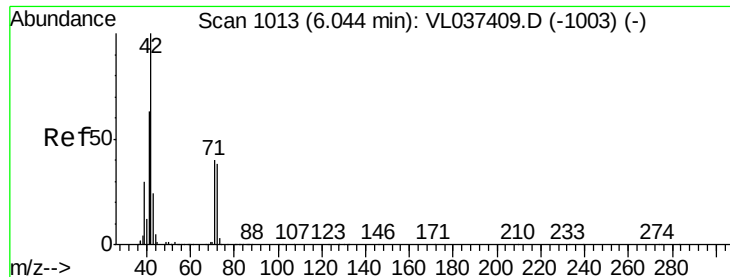
88 100

58 165.1 0.0 0.0#

43 411.9 0.0 0.0#

57 1879.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.432 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

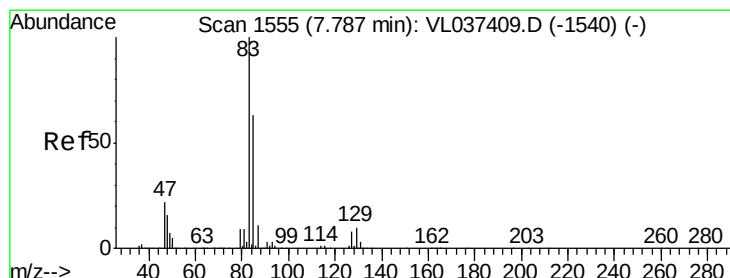
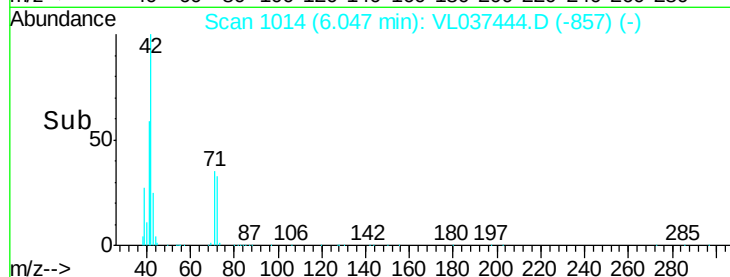
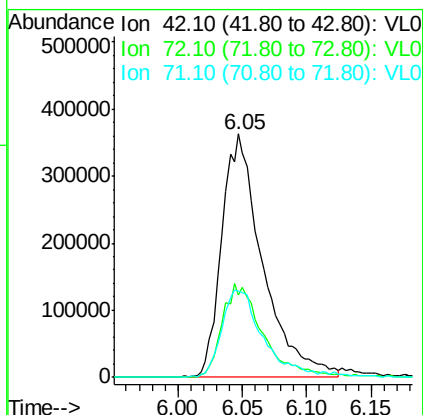
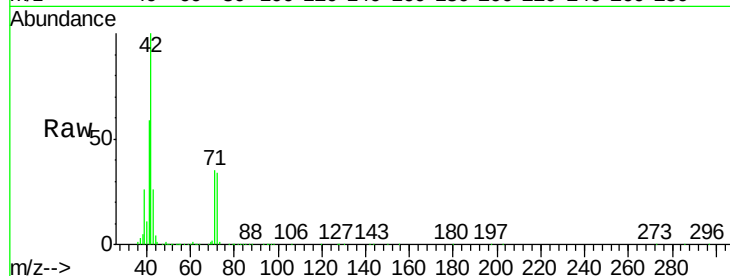
ClientSampleId :

VL0813ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	33.5	50.3
71	37.6	32.6	48.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.593 ppbv

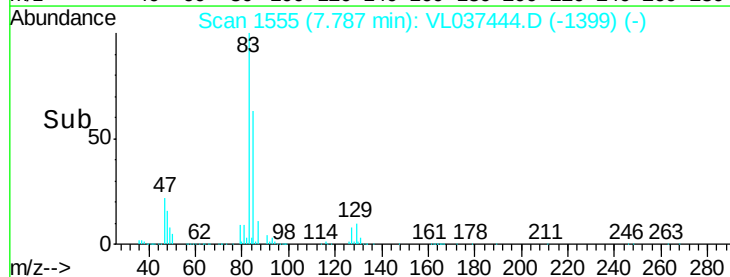
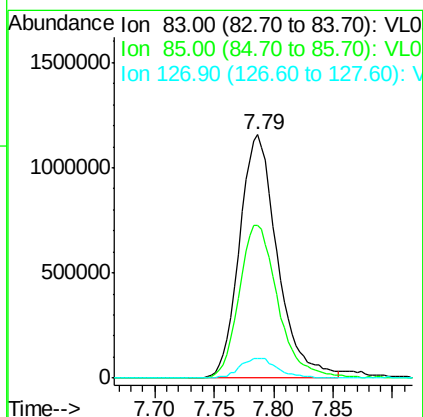
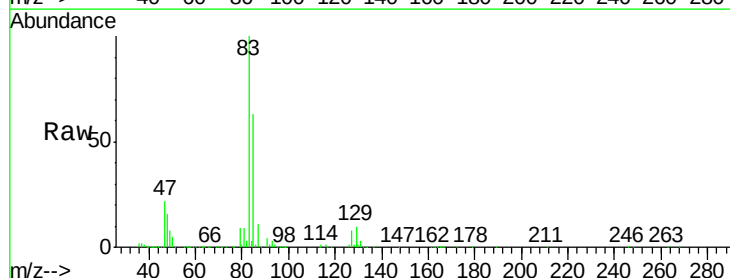
RT: 7.79 min Scan# 1555

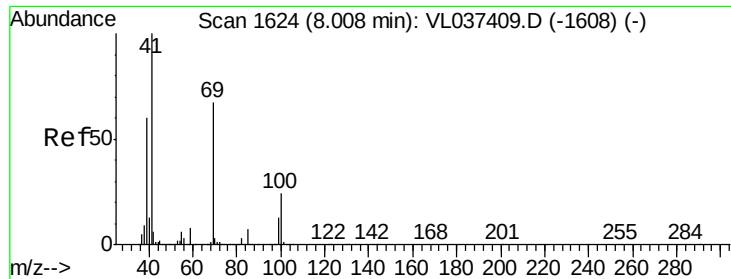
Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.2	75.2
127	8.3	6.6	9.8





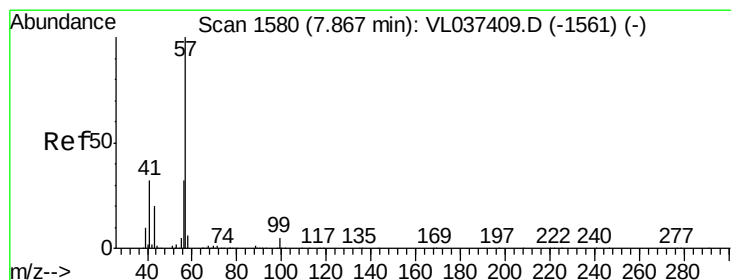
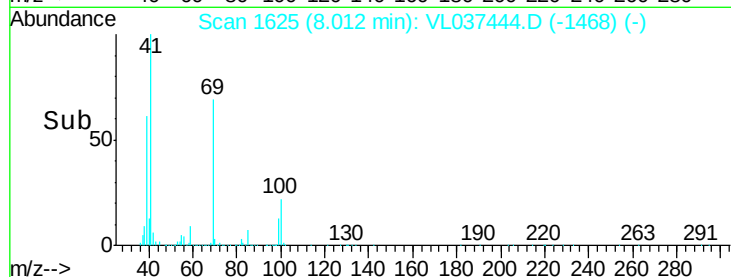
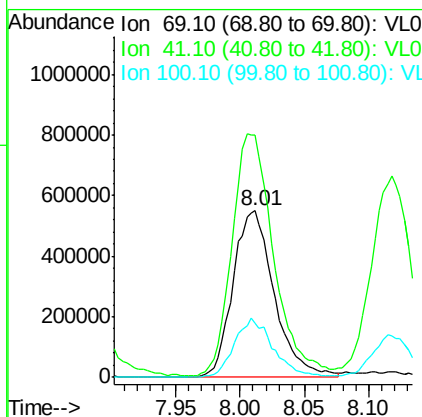
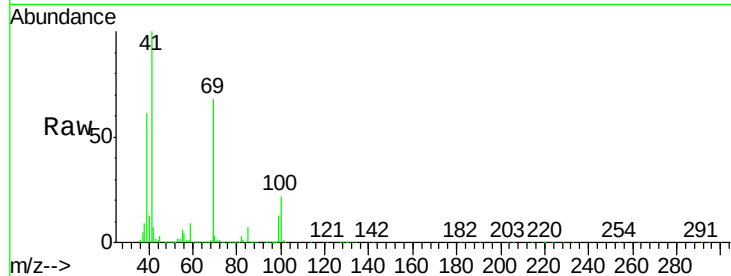
#43
Methyl Methacrylate
Concen: 10.693 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 69 Resp: 1225851
Ion Ratio Lower Upper
69 100
41 148.8 118.1 177.1
100 33.4 27.6 41.4

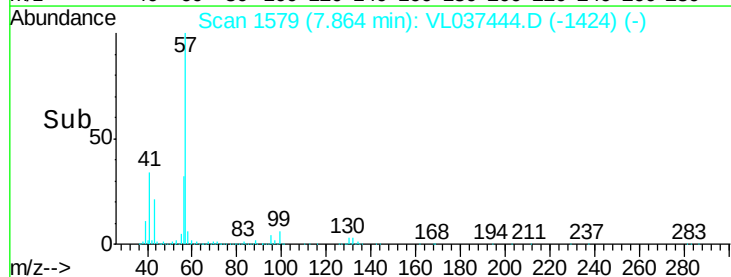
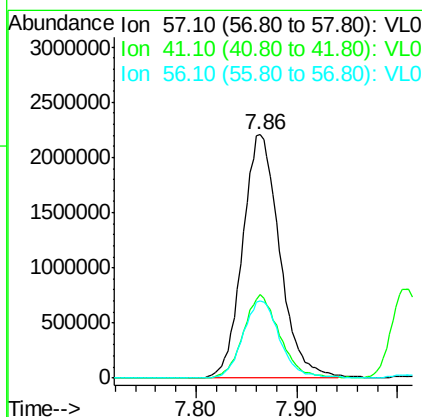
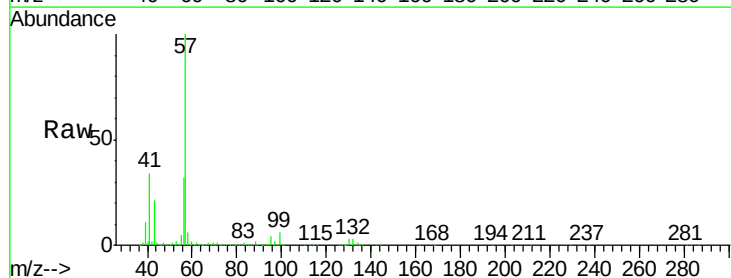
Manual Integrations
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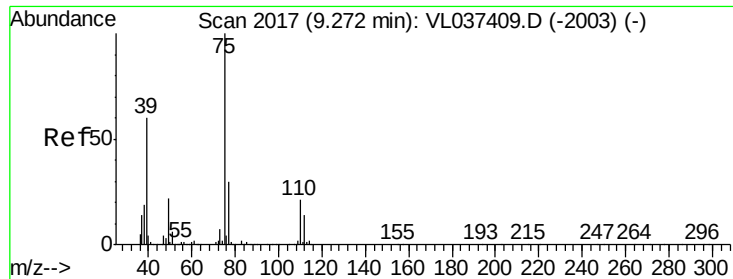
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.933 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 57 Resp: 5617183
Ion Ratio Lower Upper
57 100
41 33.6 26.4 39.6
56 31.6 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 9.481 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tot Ion: 75 Resp: 807640

Ion Ratio Lower Upper

75 100

77 30.6 24.2 36.2

Instrument :

MSVOA_L

ClientSampleId :

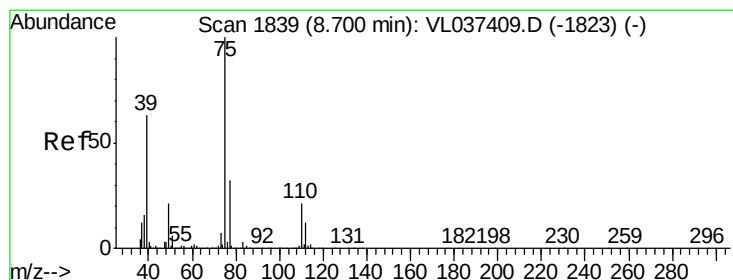
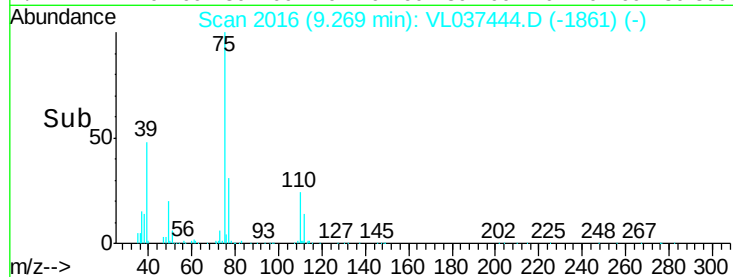
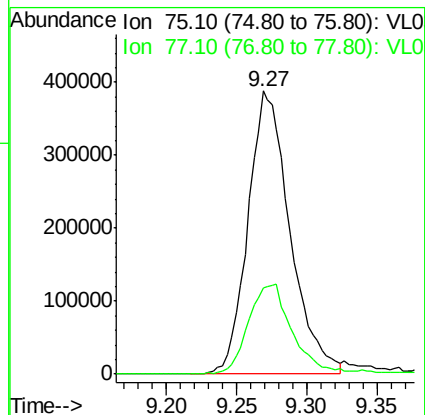
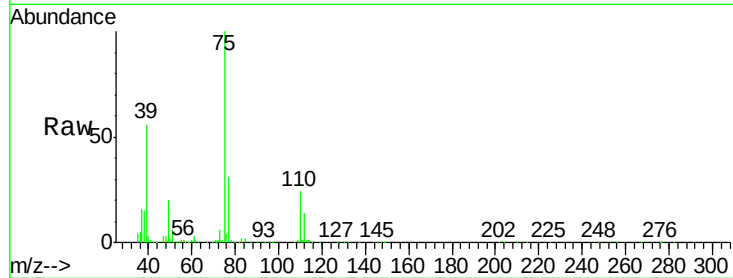
VL0813ABS01

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#46

cis-1,3-Dichloropropene

Concen: 9.228 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

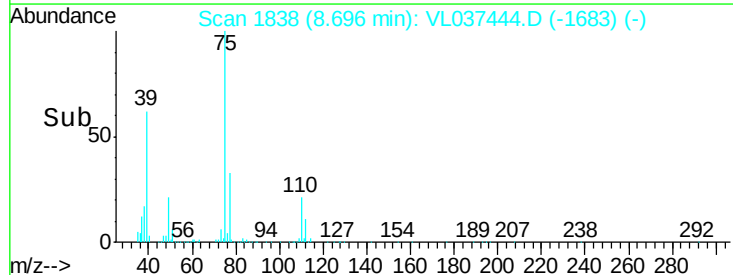
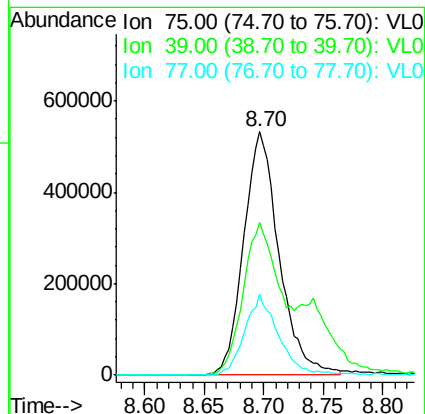
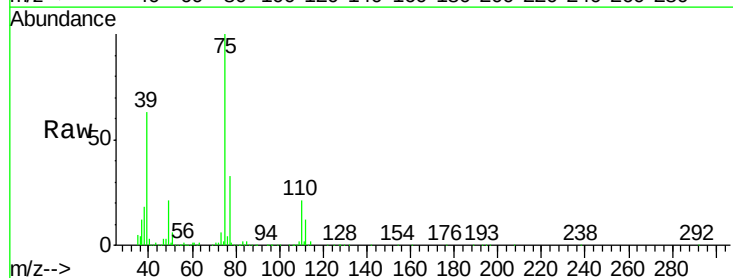
Tgt Ion: 75 Resp: 1097464

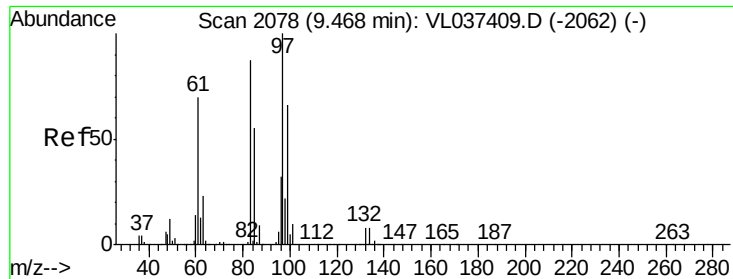
Ion Ratio Lower Upper

75 100

39 62.8 50.1 75.1

77 33.3 25.8 38.8





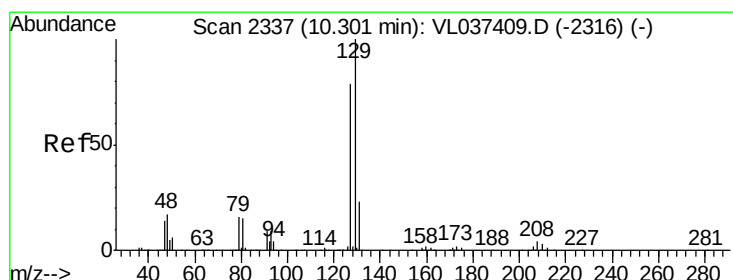
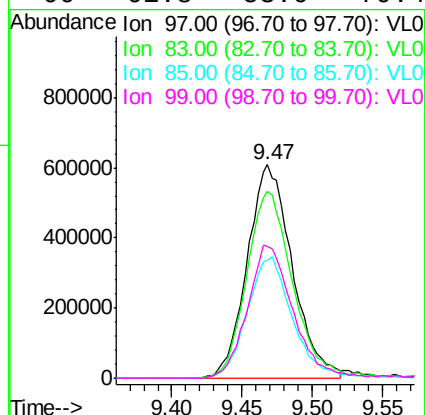
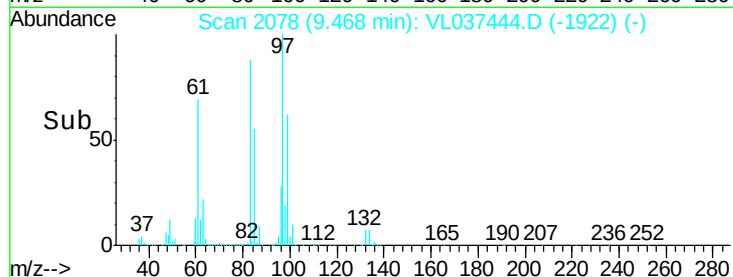
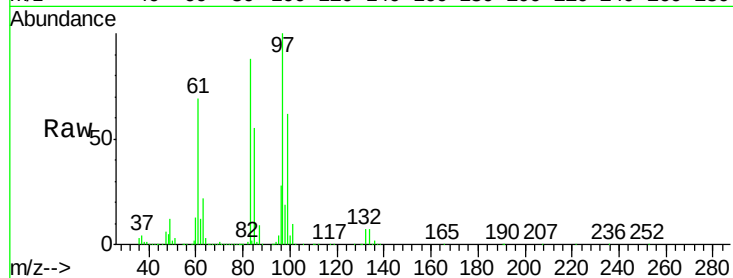
#47
 1,1,2-Trichloroethane
 Concen: 9.744 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	97	Resp	1357194
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.5	104.3
85	55.1	43.8	65.8
99	61.8	53.0	79.4

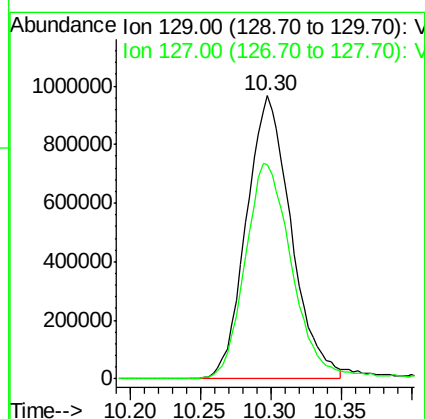
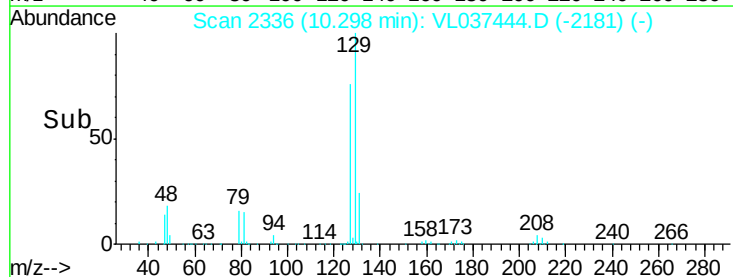
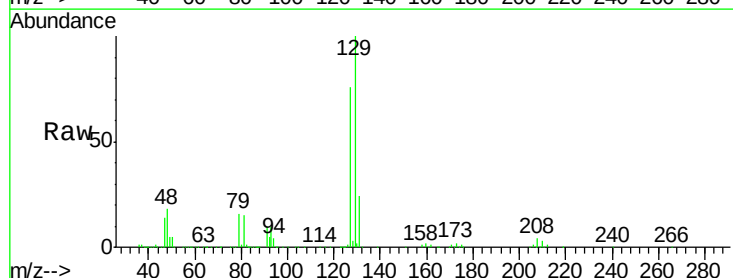
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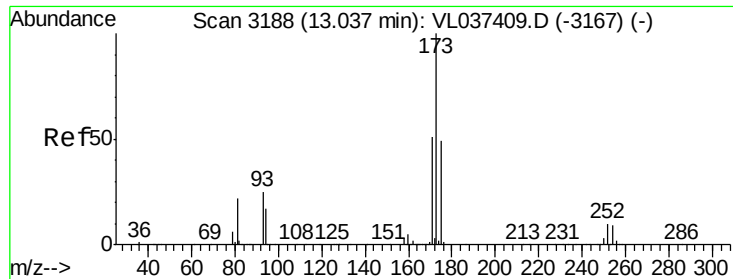
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#48
 Dibromochloromethane
 Concen: 10.663 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	129	Resp	2142826
Ion	Ratio	Lower	Upper
129	100		
127	80.6	39.6	118.8





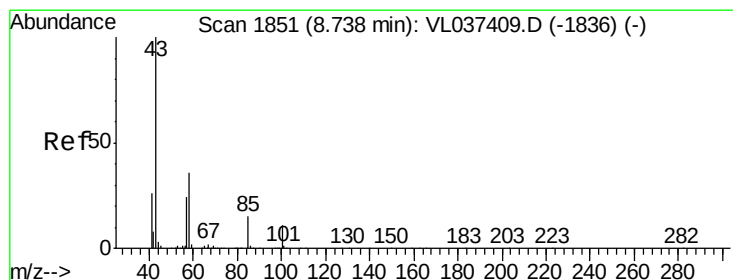
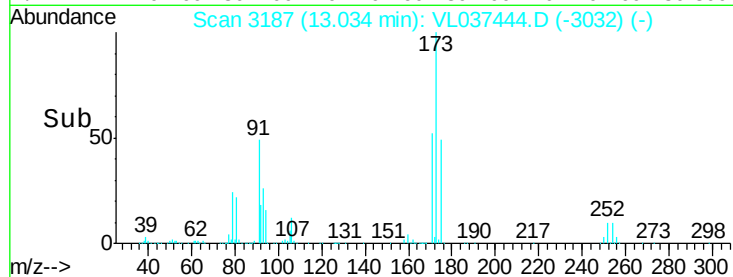
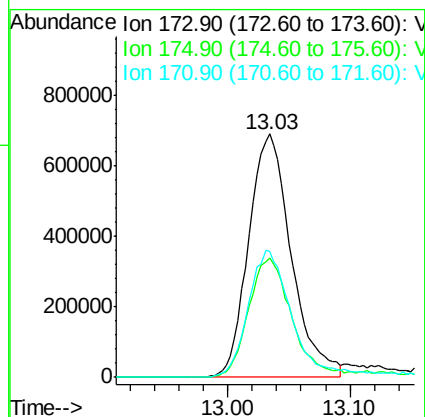
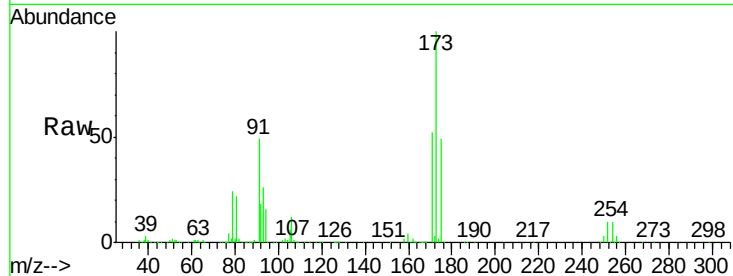
#49
Bromoform
Concen: 10.954 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.0	39.9	59.9
171	56.9	41.4	62.2

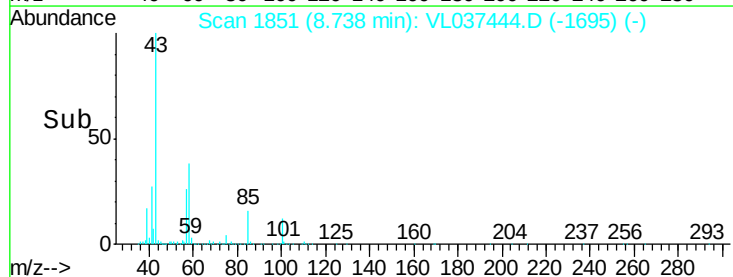
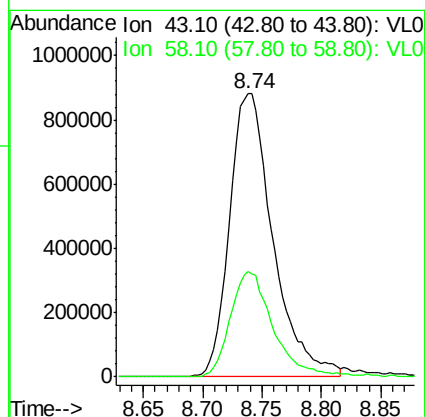
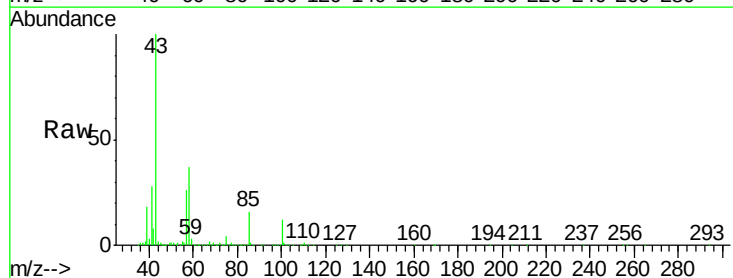
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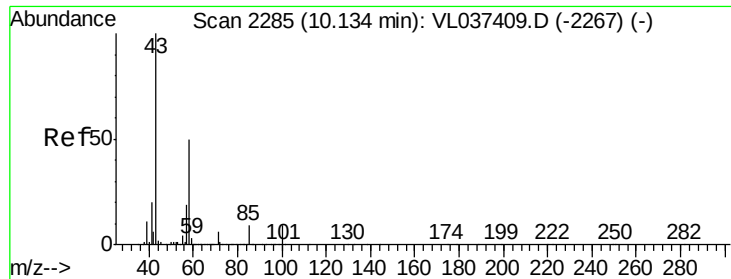
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#50
4-Methyl-2-Pentanone
Concen: 10.658 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.9	44.9





#51

2-Hexanone

Concen: 11.137 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 43 Resp: 1091672

Ion Ratio Lower Upper

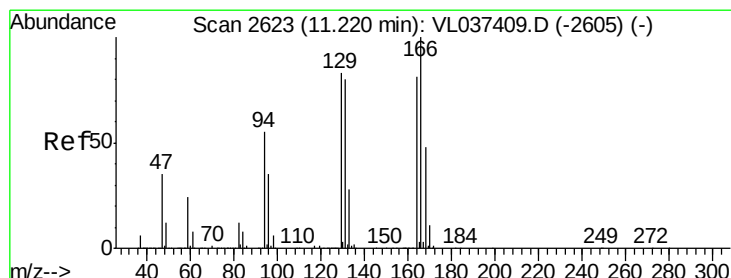
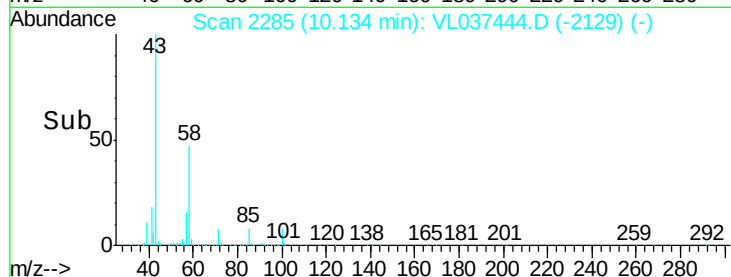
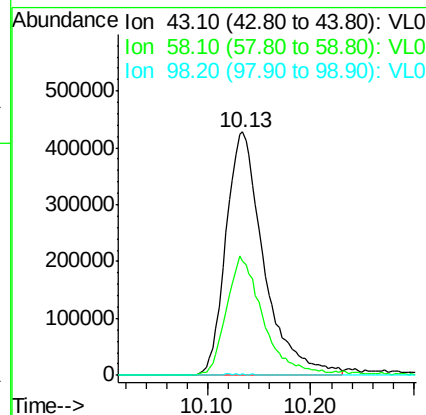
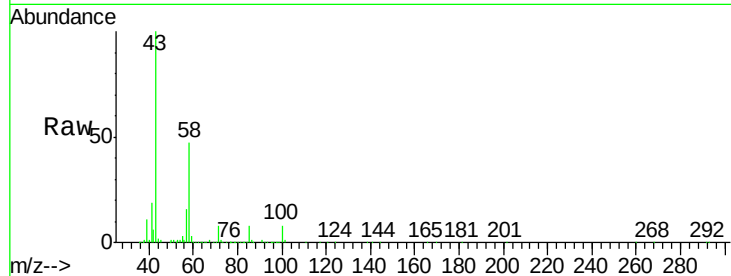
43 100

58 49.1 39.9 59.9

98 0.6 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.650 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 164 Resp: 1232583

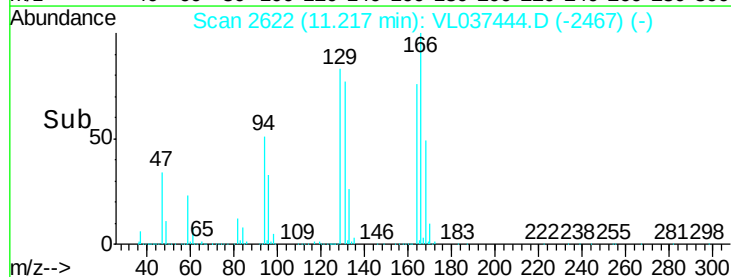
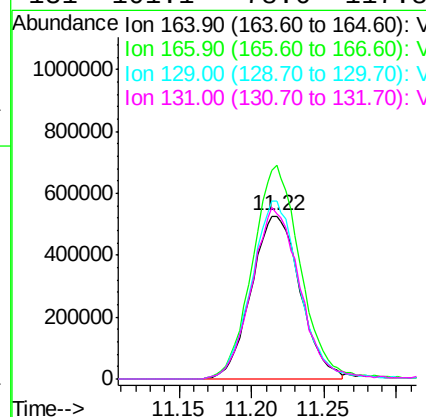
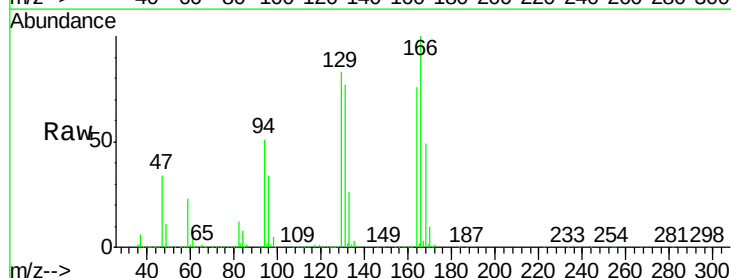
Ion Ratio Lower Upper

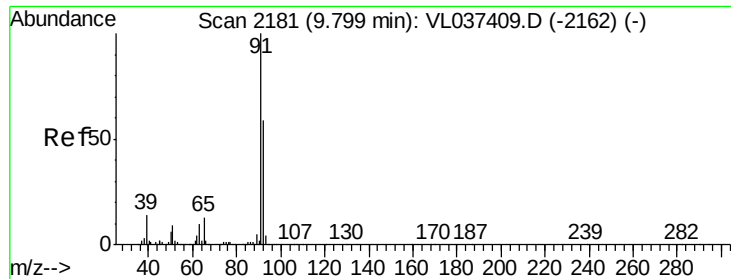
164 100

166 131.1 98.6 147.8

129 108.8 82.0 123.0

131 101.1 78.6 117.8





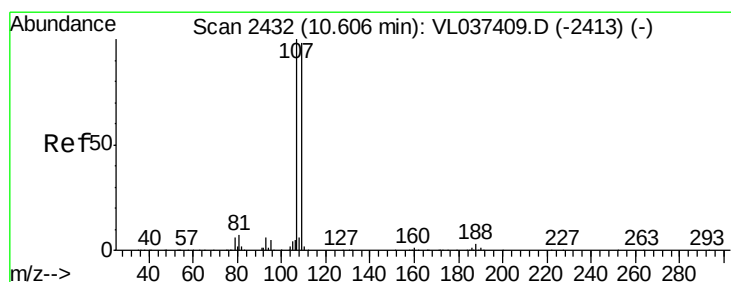
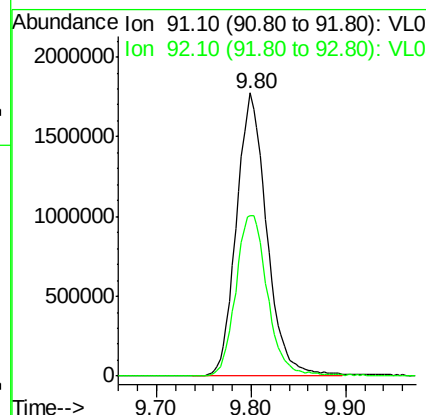
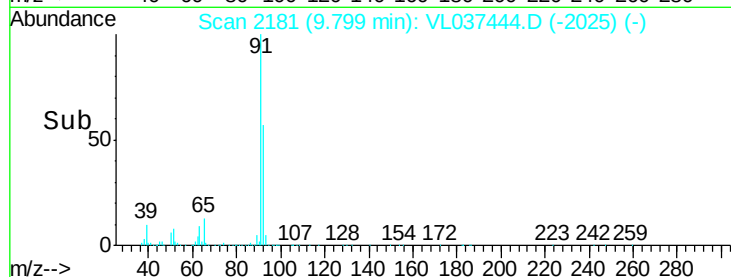
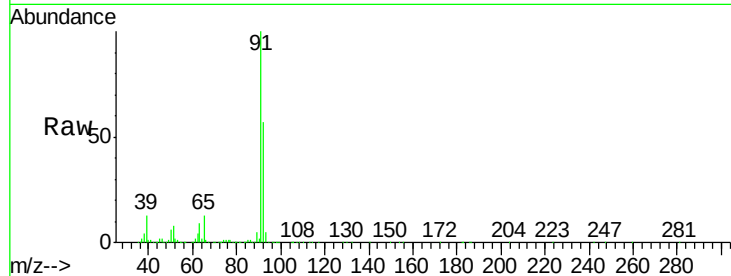
#53
Toluene
Concen: 10.247 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 91 Resp: 3956860
Ion Ratio Lower Upper
91 100
92 60.2 49.0 73.6

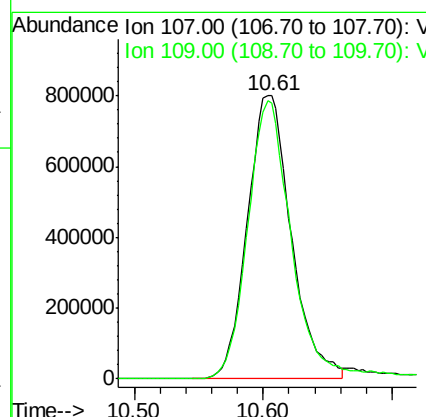
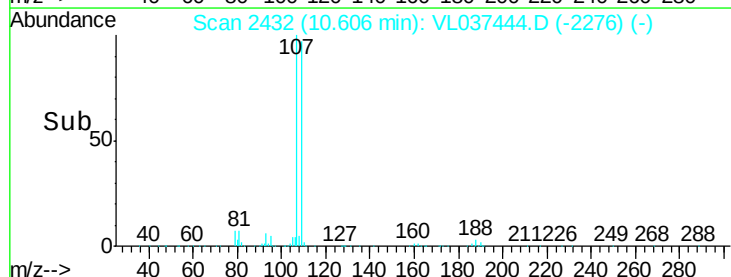
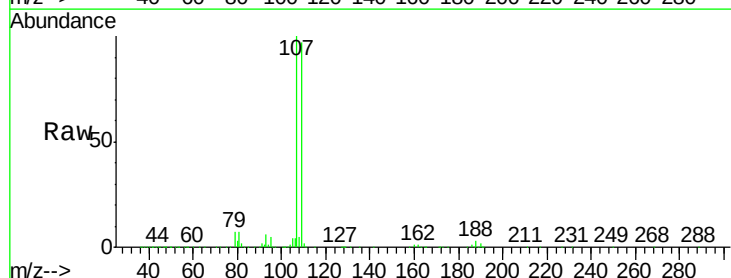
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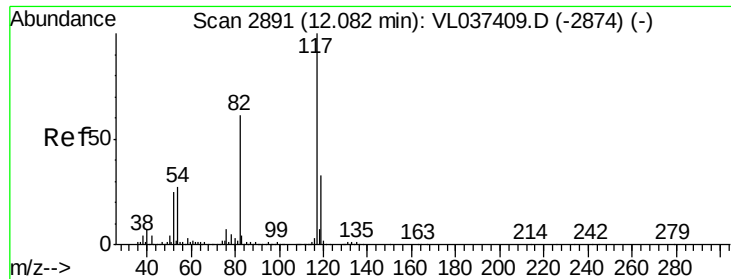
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#54
1,2-Dibromoethane
Concen: 10.018 ppbv
RT: 10.61 min Scan# 2432
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 107 Resp: 1899016
Ion Ratio Lower Upper
107 100
109 97.4 78.4 117.6





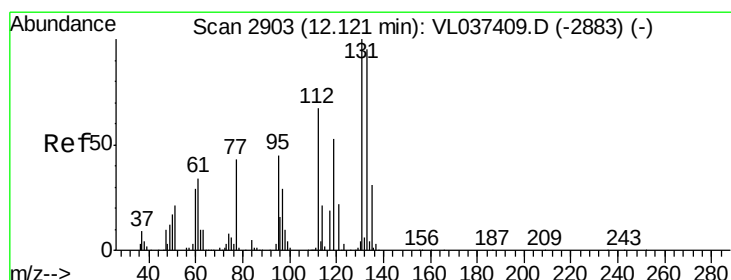
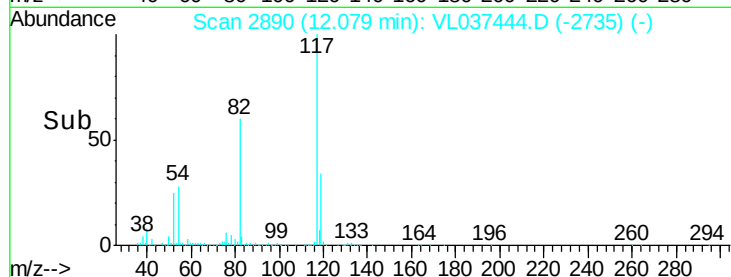
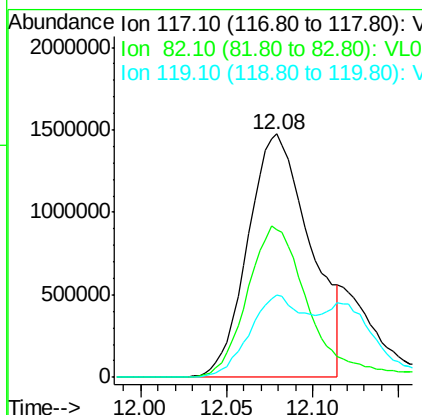
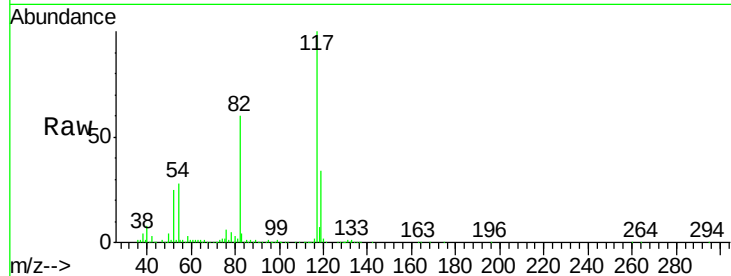
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion:117 Resp: 3721044
Ion Ratio Lower Upper
117 100
82 63.8 53.1 79.7
119 30.8 28.0 42.0

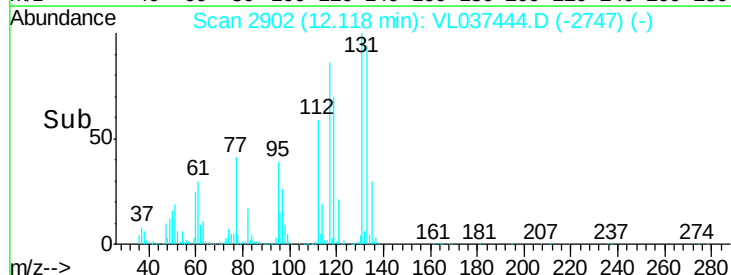
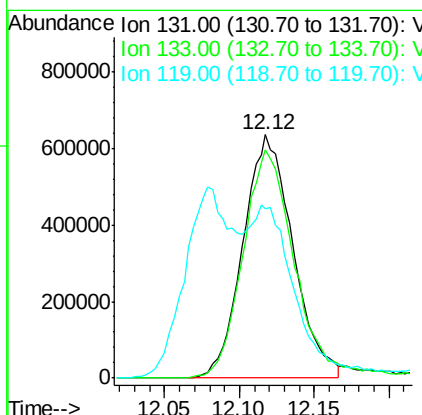
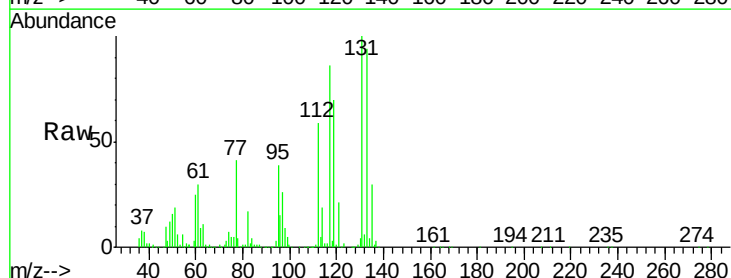
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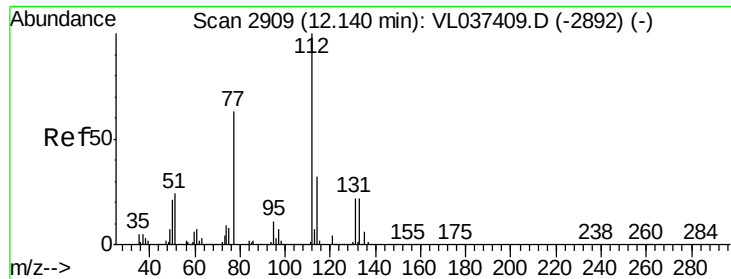
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.913 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion:131 Resp: 1468439
Ion Ratio Lower Upper
131 100
133 99.6 77.1 115.7
119 73.7 59.7 89.5





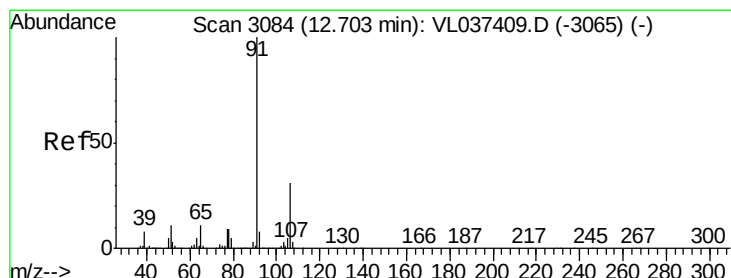
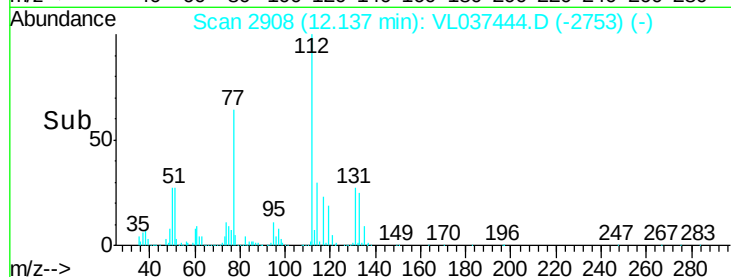
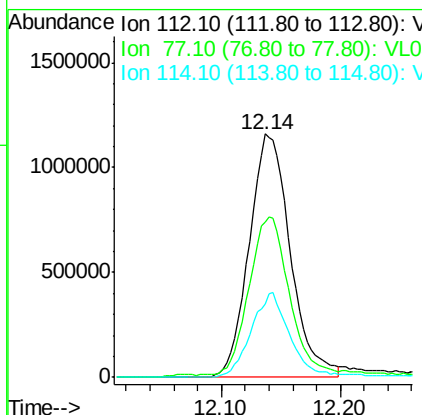
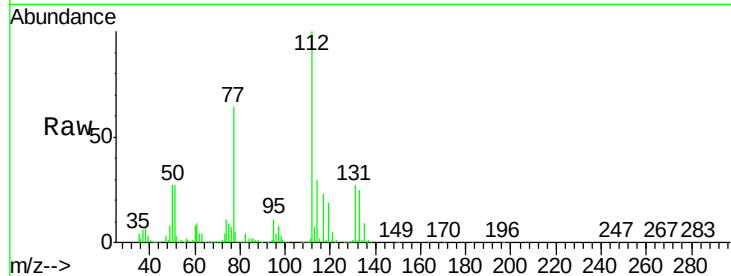
#57
Chlorobenzene
Concen: 9.197 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.9	50.0	75.0
114	30.1	28.5	34.9

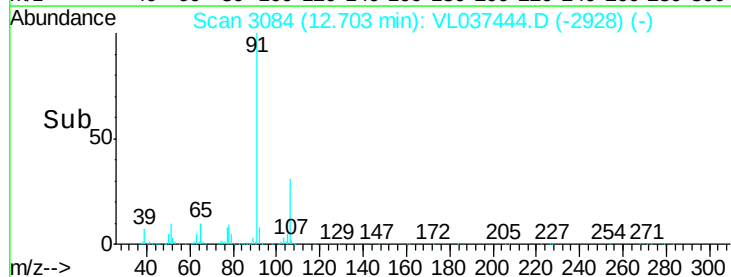
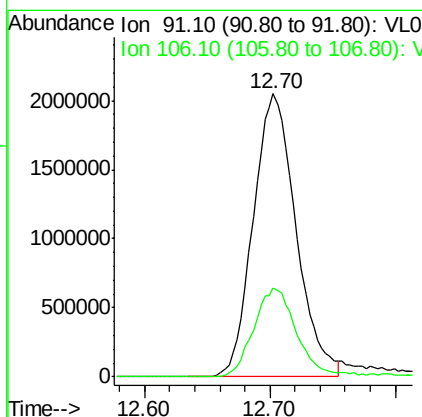
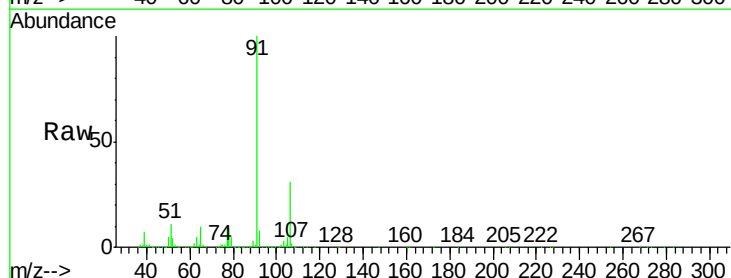
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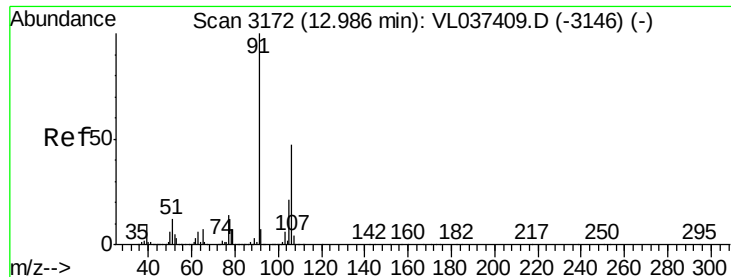
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#58
Ethyl Benzene
Concen: 9.591 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.7	37.1





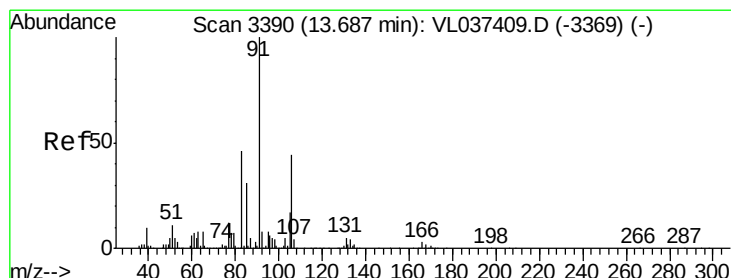
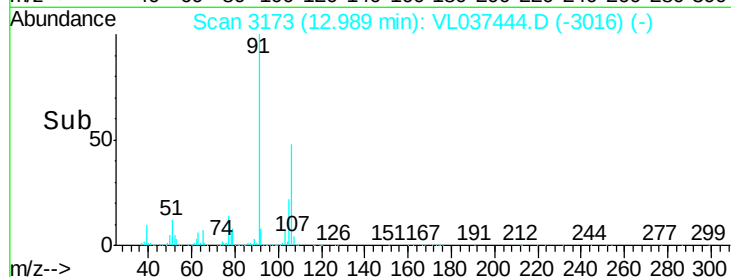
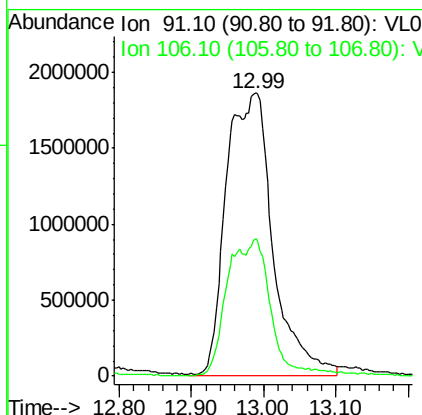
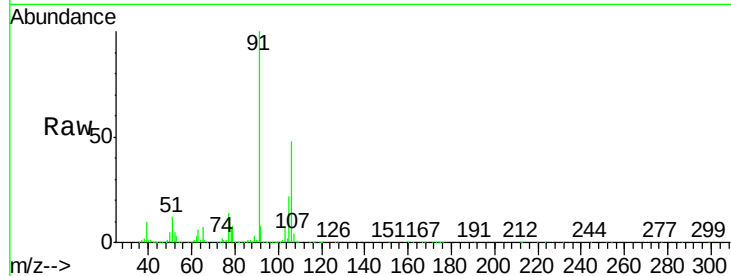
#59
m/p-Xylene
Concen: 18.992 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 91 Resp: 8421330
Ion Ratio Lower Upper
91 100
106 45.6 36.6 54.8

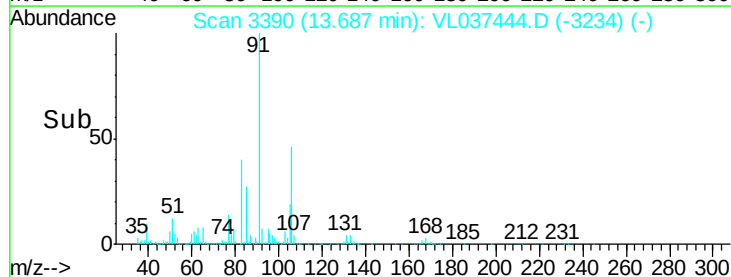
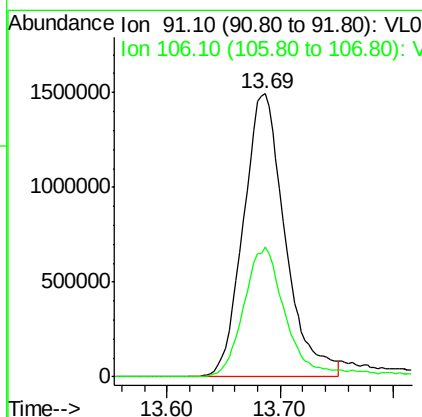
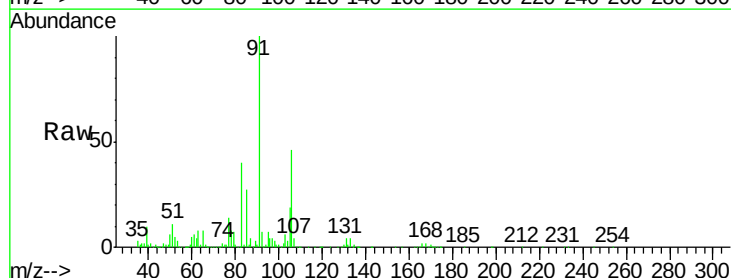
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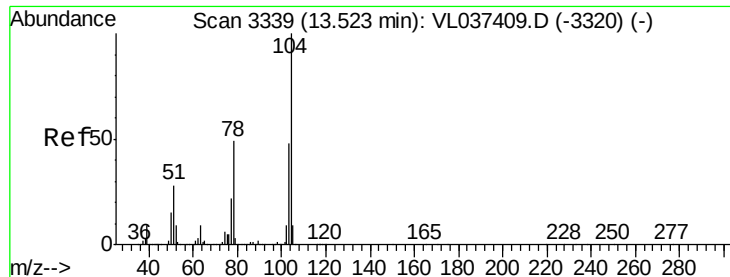
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#60
o-Xylene
Concen: 9.295 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 91 Resp: 3828729
Ion Ratio Lower Upper
91 100
106 48.1 24.1 72.2





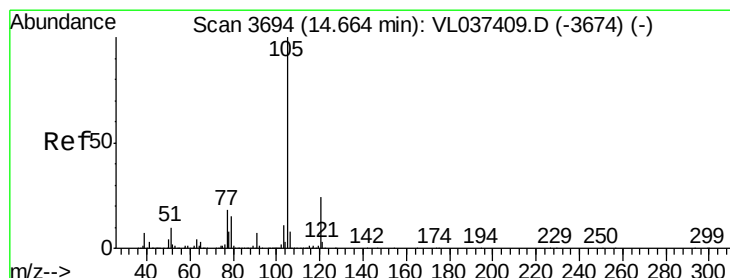
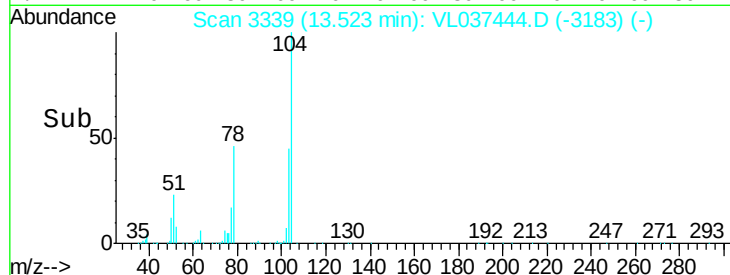
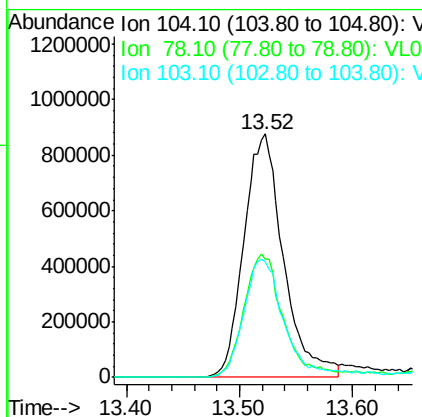
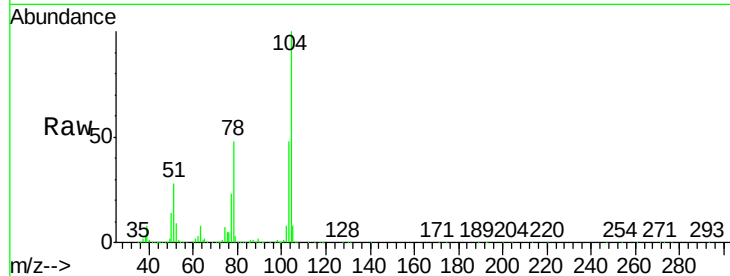
#61
Stvrene
Concen: 10.235 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.5	62.3
103	51.0	40.2	60.2

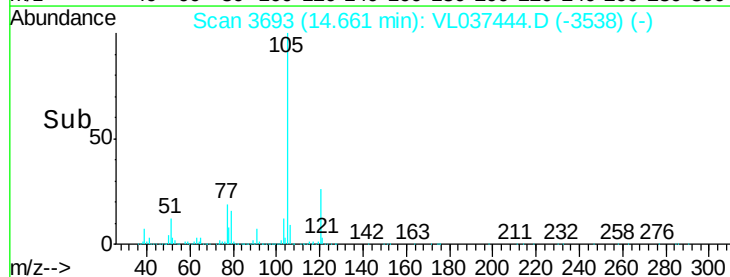
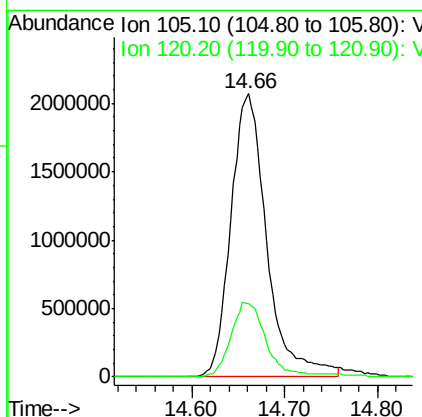
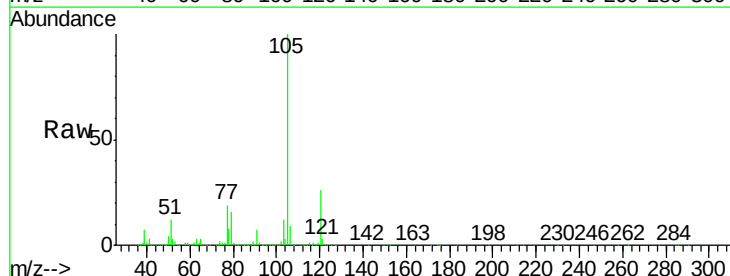
Manual Integrations
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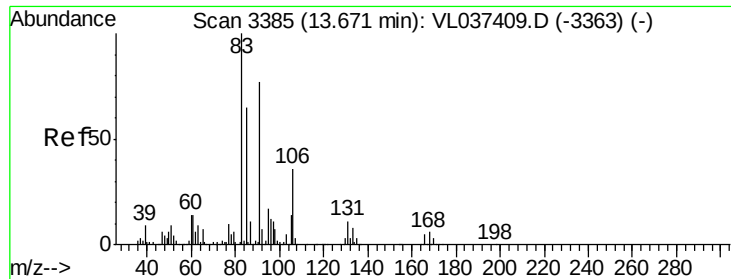
MMDadoda
8/16/2021 5:03:55 PM



#62
Isopropylbenzene
Concen: 9.450 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.6	32.4





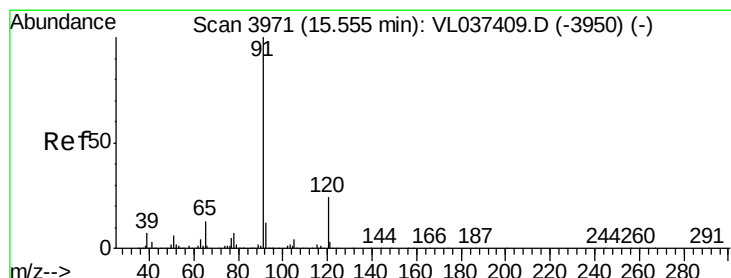
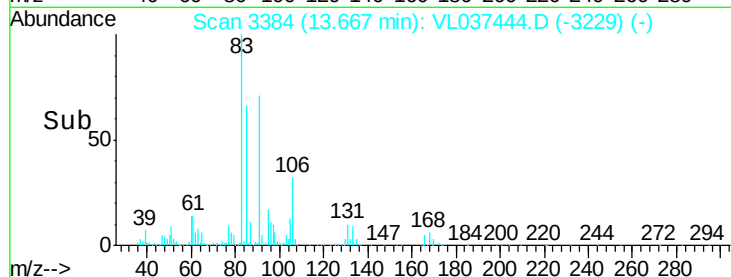
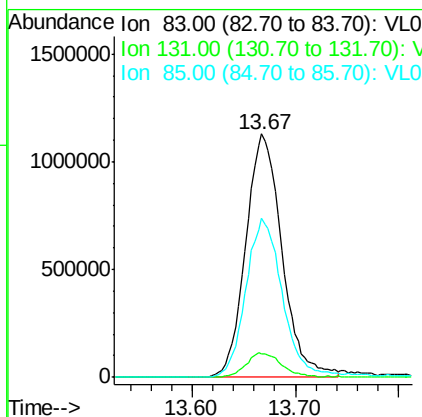
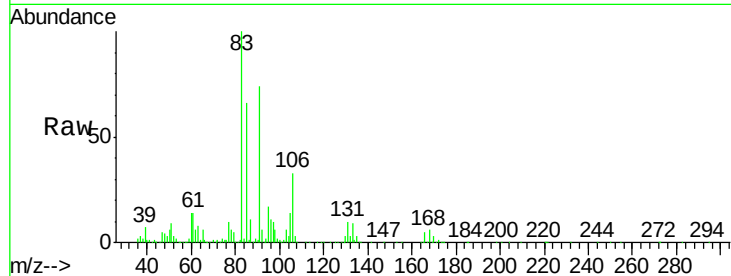
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.883 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	83	Resp	2759615
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	67.7	33.4	100.2

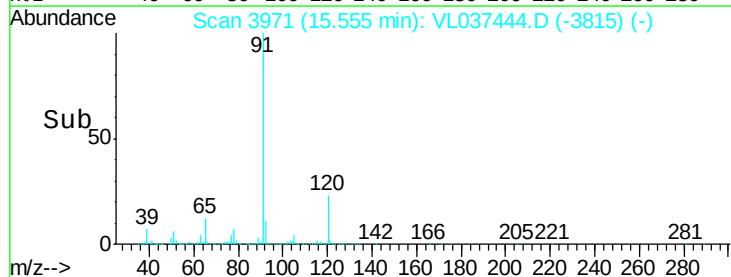
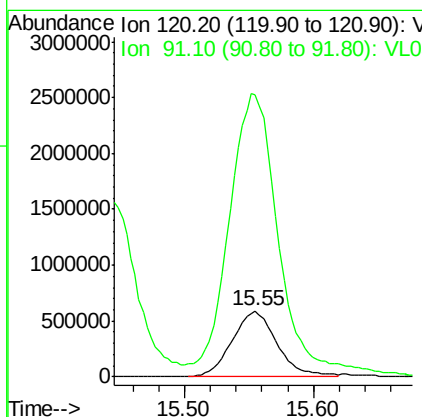
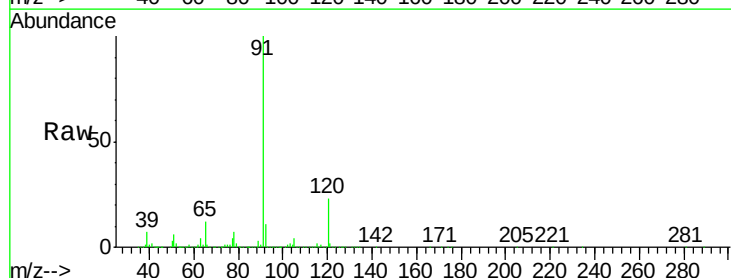
Manual Integrations
 APPROVED

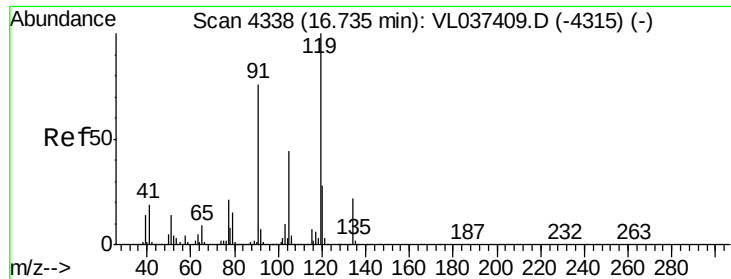
MMDadoda
 8/16/2021 5:03:55 PM



#64
 n-propylbenzene
 Concen: 9.595 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	120	Resp	1422263
Ion Ratio	Lower	Upper	
120	100		
91	480.1	388.4	582.6





#65

tert-Butylbenzene

Concen: 9.170 ppbv m

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:119 Resp: 4871347

Ion Ratio Lower Upper

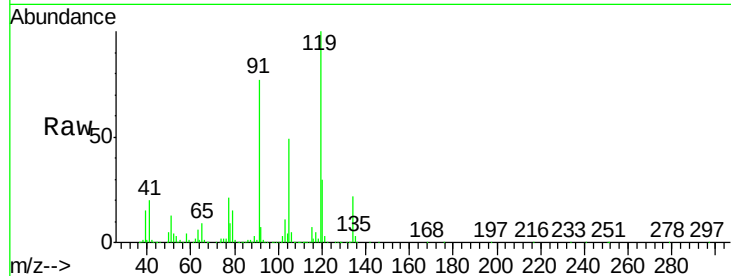
119 100

91 78.3 62.2 93.4

134 20.6 16.1 24.1

Manual Integrations
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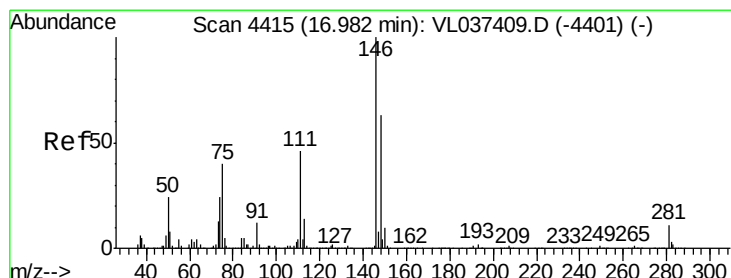
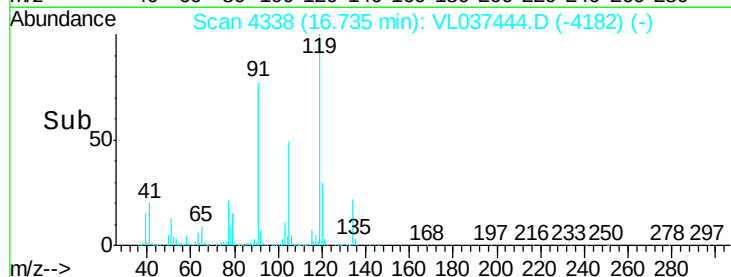
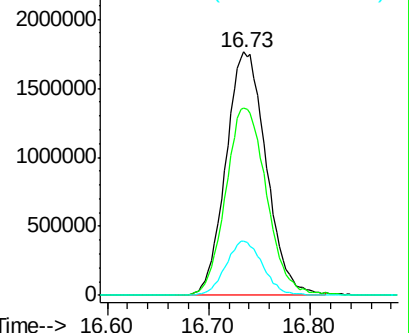
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.802 ppbv m

RT: 16.98 min Scan# 4414

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

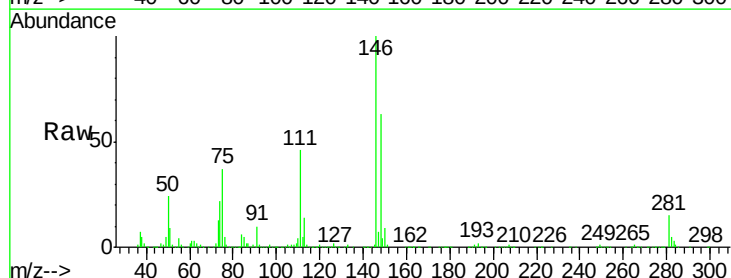
Tgt Ion: 91 Resp: 238262

Ion Ratio Lower Upper

91 100

126 17.3 14.3 21.5

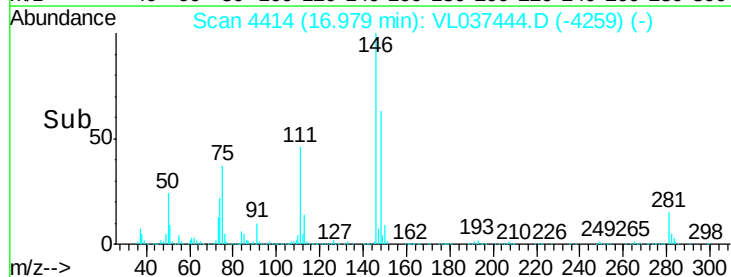
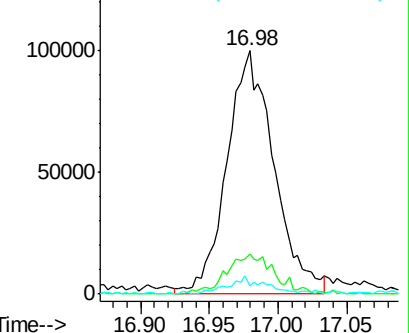
128 6.6 4.6 7.0

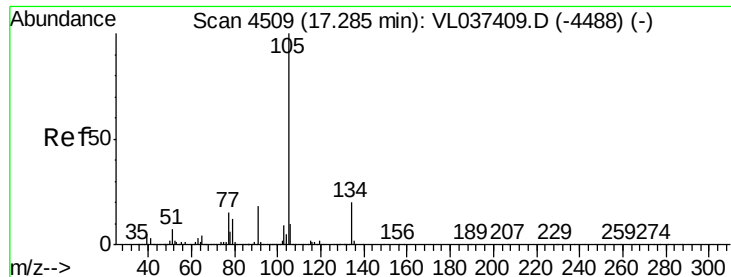


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.324 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 105 Resp: 6739858

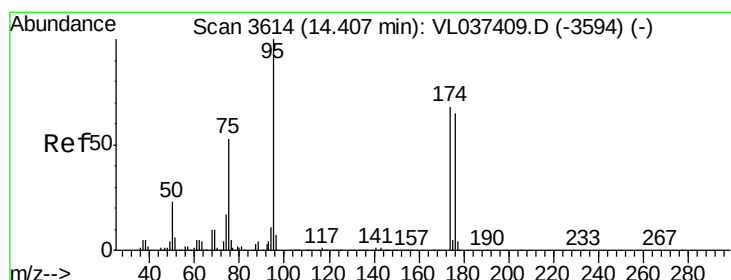
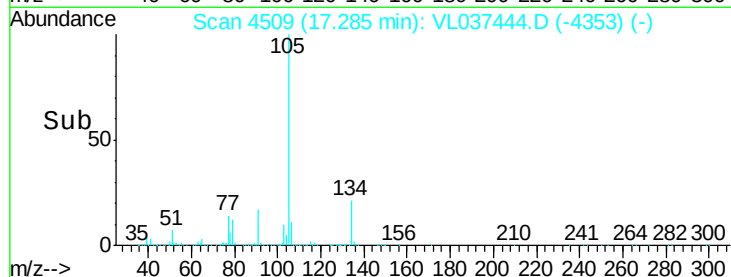
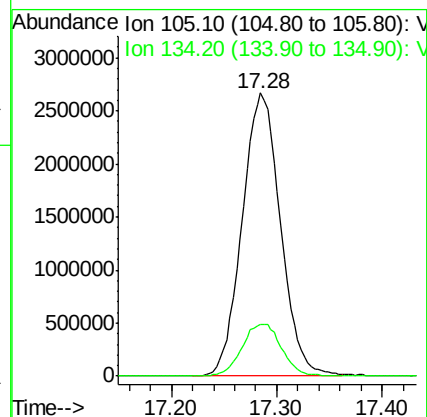
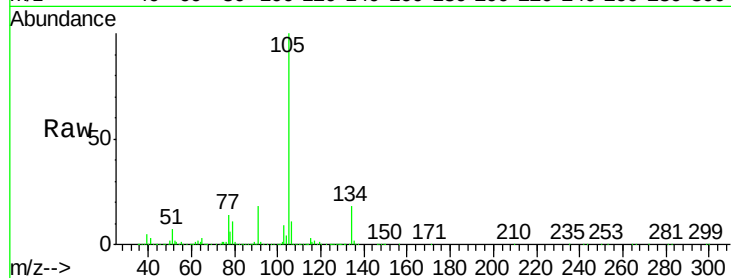
Ion Ratio Lower Upper

105 100

134 19.0 15.4 23.0

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.817 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

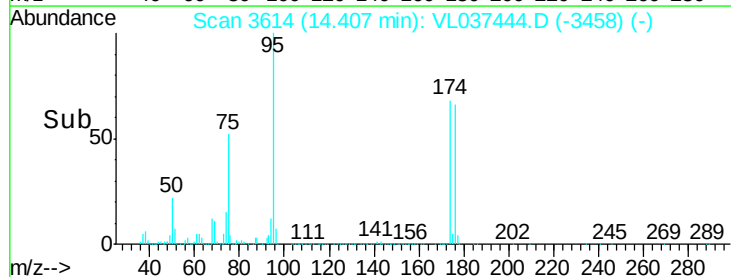
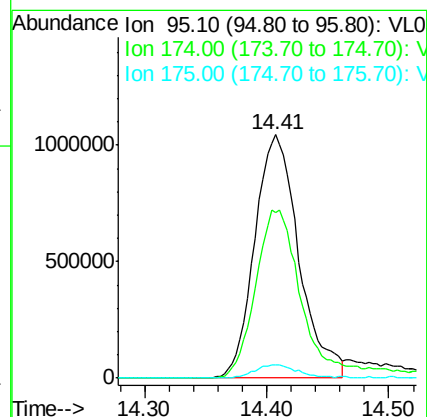
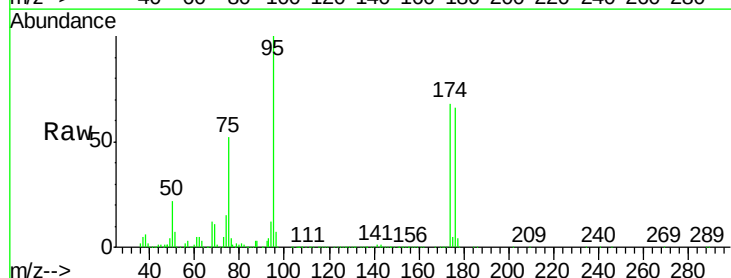
Tgt Ion: 95 Resp: 2620394

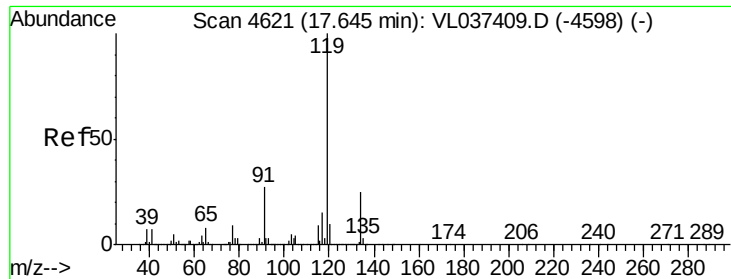
Ion Ratio Lower Upper

95 100

174 76.7 59.6 89.4

175 5.9 4.3 6.5





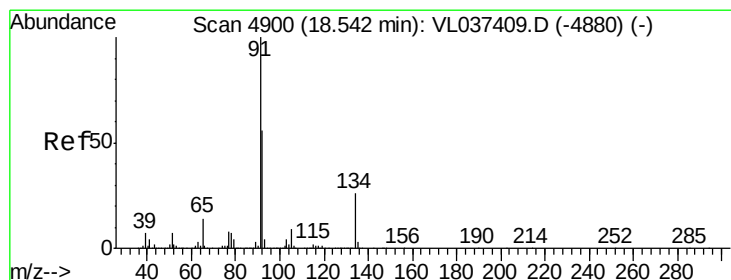
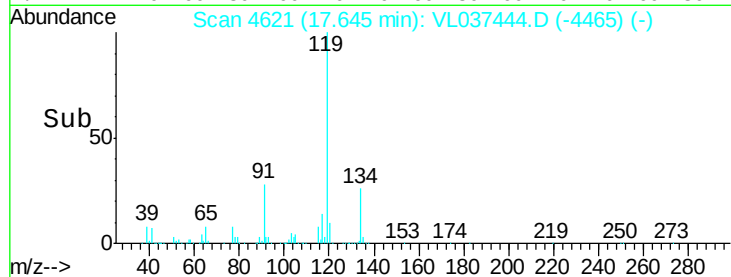
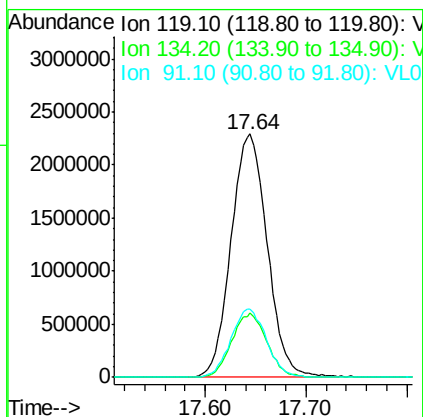
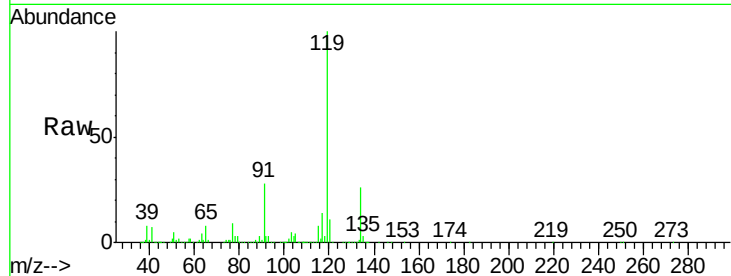
#69
 p-Isopropyltoluene
 Concen: 9.607 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	27.6	22.4	33.6

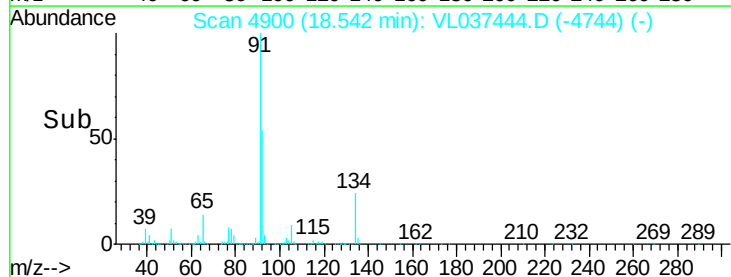
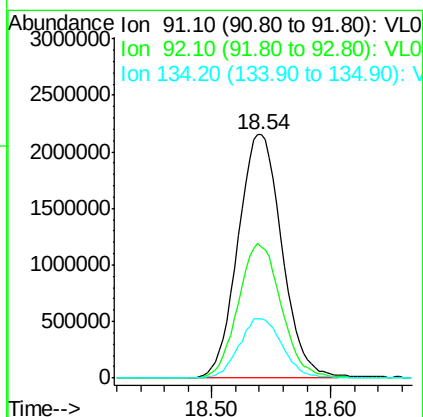
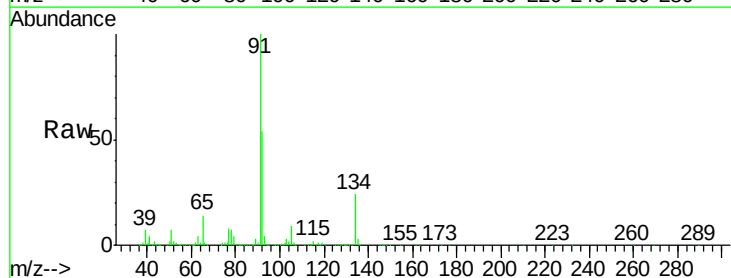
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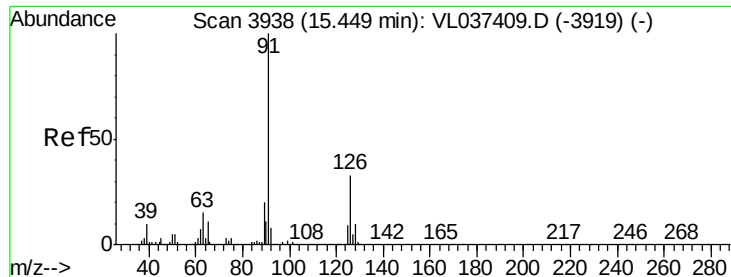
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#70
 n-Butylbenzene
 Concen: 9.970 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.2	66.2
134	24.3	19.5	29.3





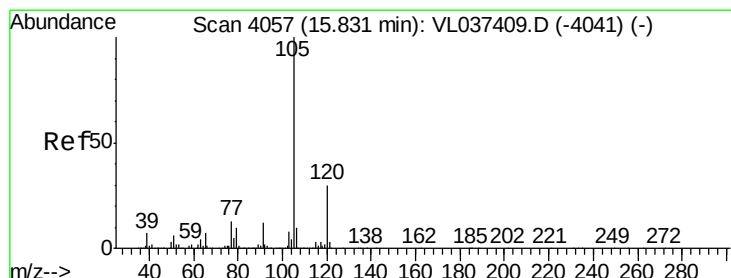
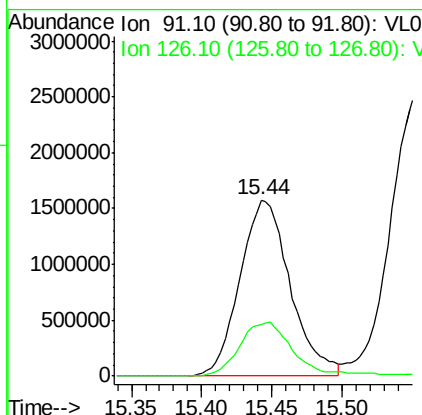
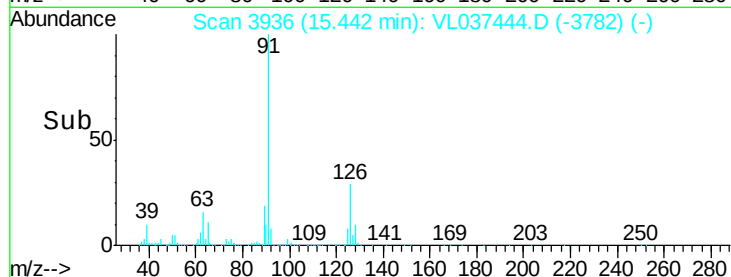
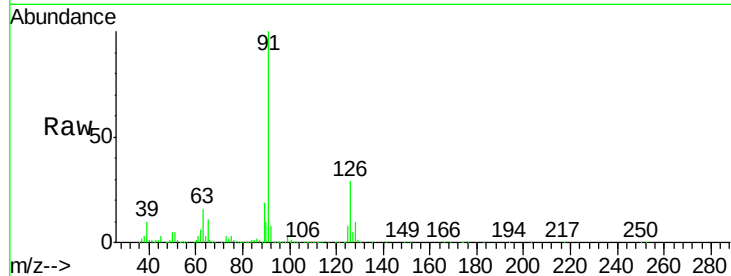
#71
2-Chlorotoluene
Concen: 9.422 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.01 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 91 Resp: 3925811
Ion Ratio Lower Upper
91 100
126 33.7 13.5 53.9

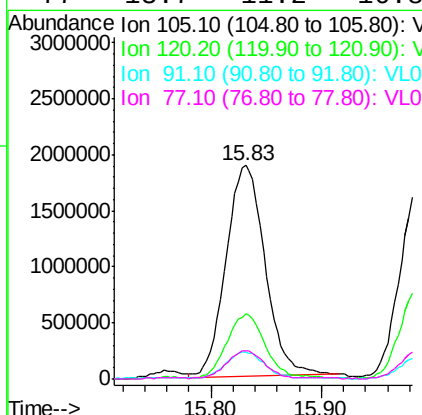
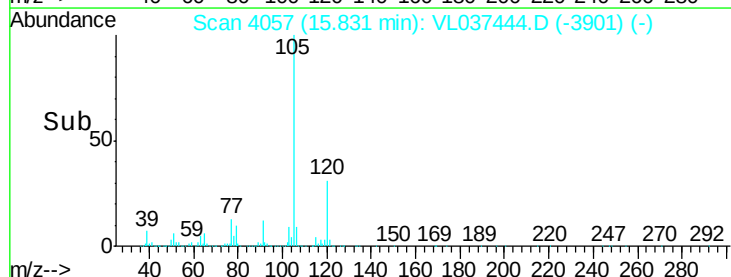
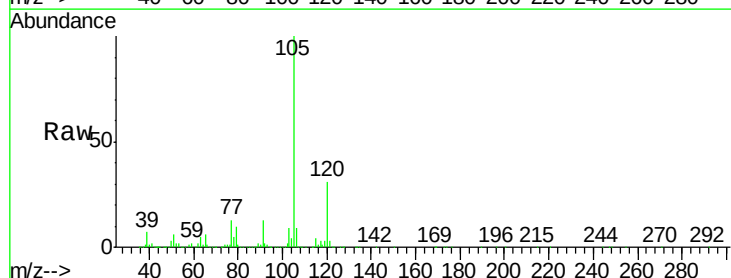
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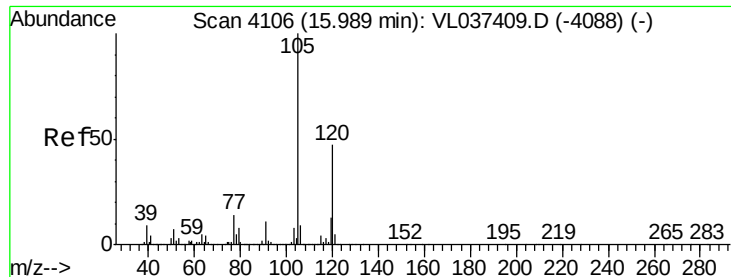
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.673 ppbv
RT: 15.83 min Scan# 4057
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 105 Resp: 4625321
Ion Ratio Lower Upper
105 100
120 31.3 25.0 37.4
91 12.6 11.2 16.8
77 13.7 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 9.217 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:105 Resp: 4166638

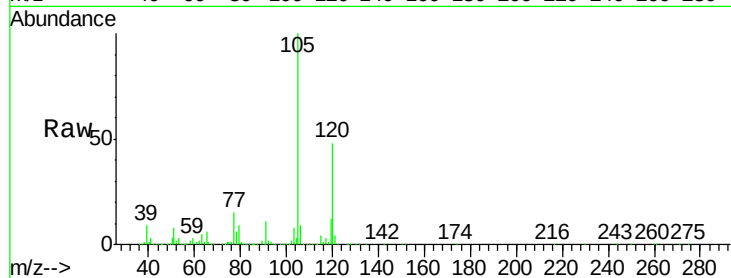
Ion Ratio Lower Upper

105 100

120 48.2 37.4 56.0

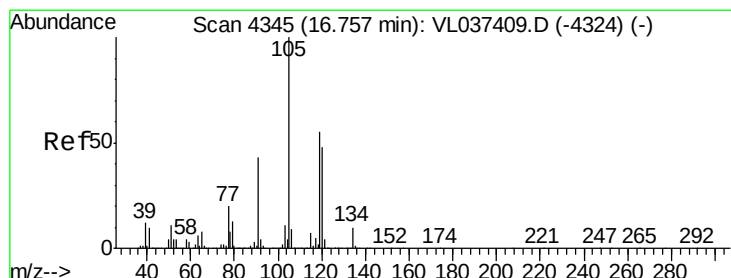
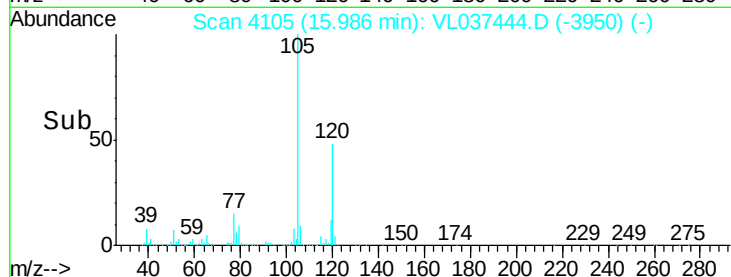
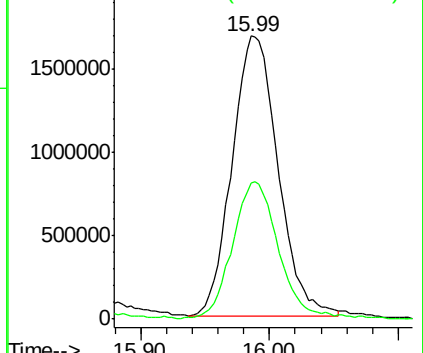
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.520 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion:105 Resp: 4405860

Ion Ratio Lower Upper

105 100

120 50.5 38.2 57.2

91 49.4 35.4 53.2

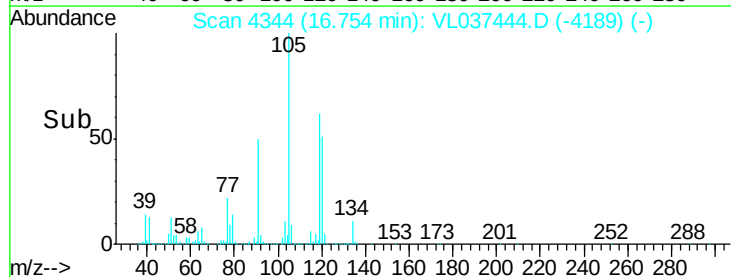
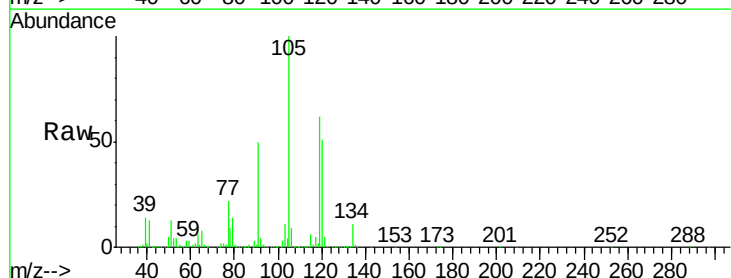
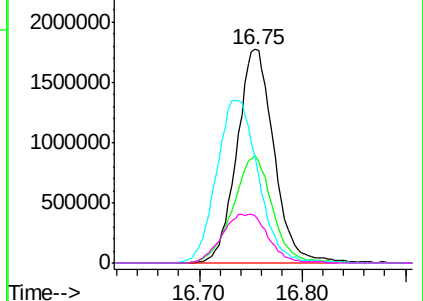
77 22.1 16.2 24.2

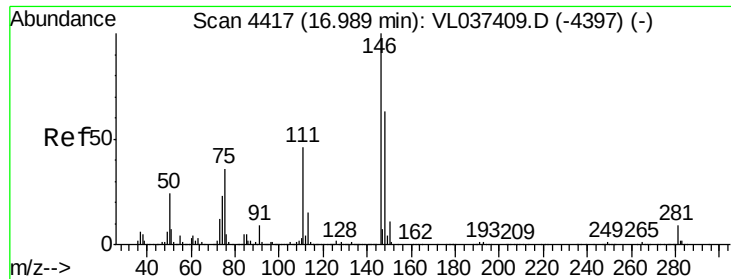
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





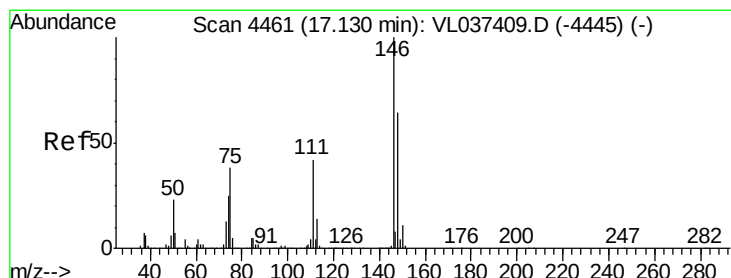
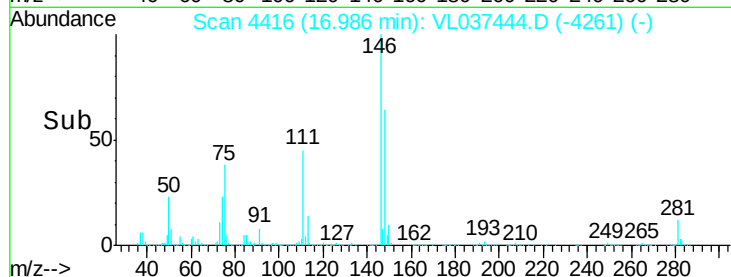
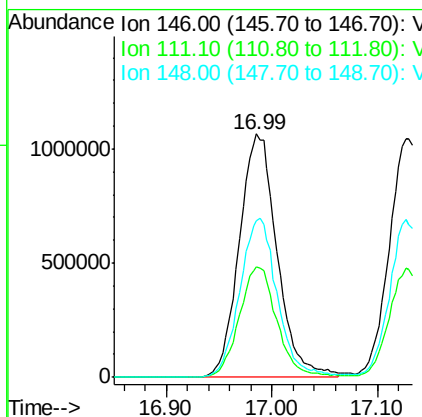
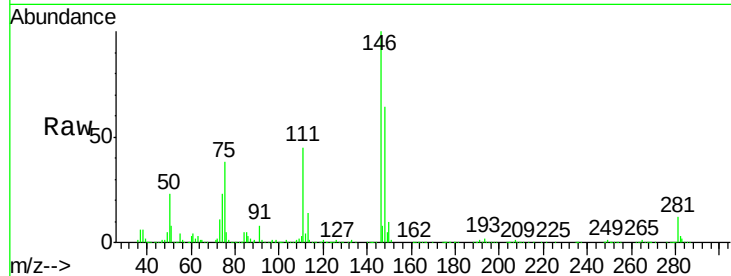
#75
 1,3-Dichlorobenzene
 Concen: 9.379 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.7
148	64.8	32.0	96.2

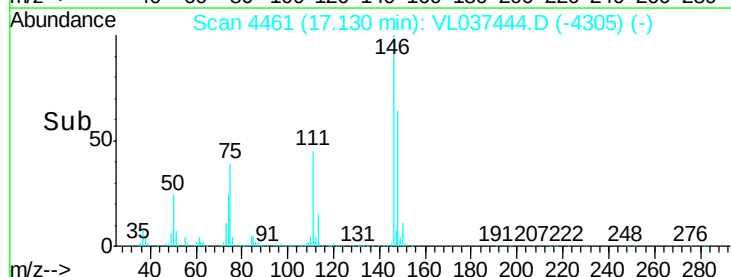
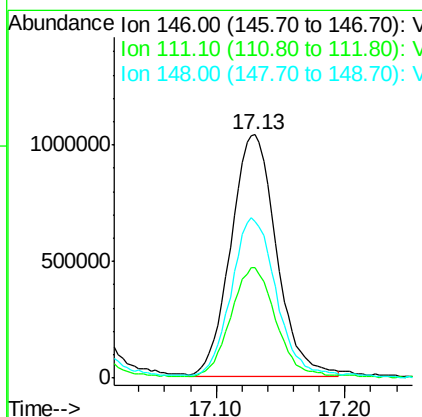
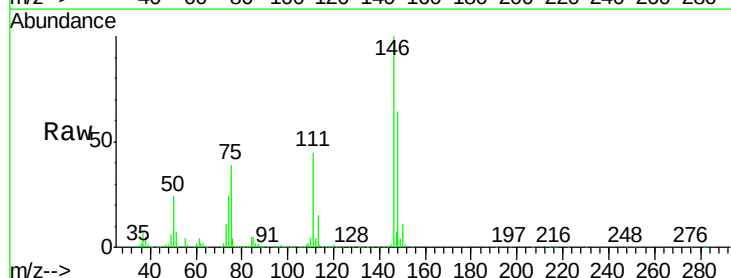
Manual Integrations
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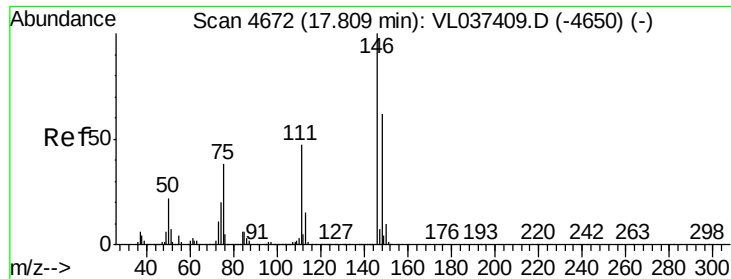
MMDadoda
 8/16/2021 5:03:55 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.106 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.8	68.4
148	66.7	34.0	102.0





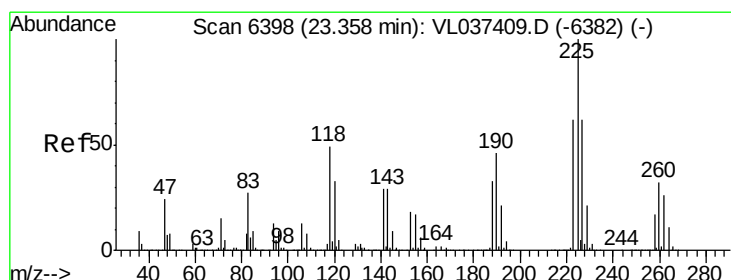
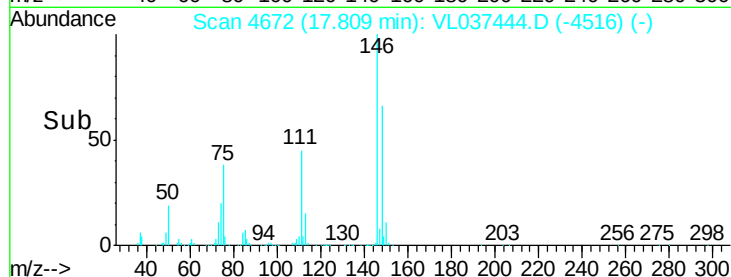
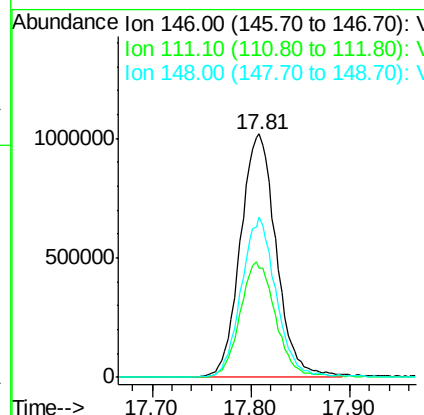
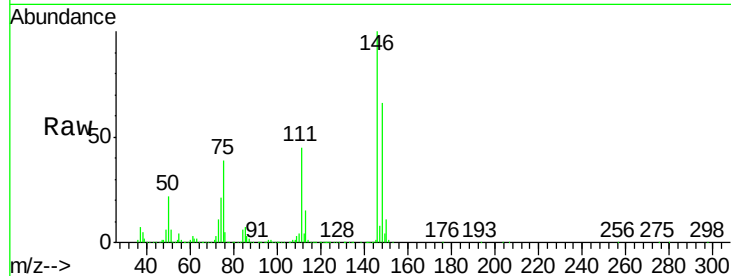
#77
 1,2-Dichlorobenzene
 Concen: 9.346 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.8	71.5
148	64.4	32.5	97.4

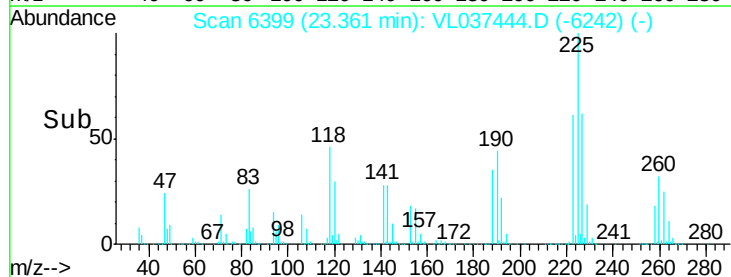
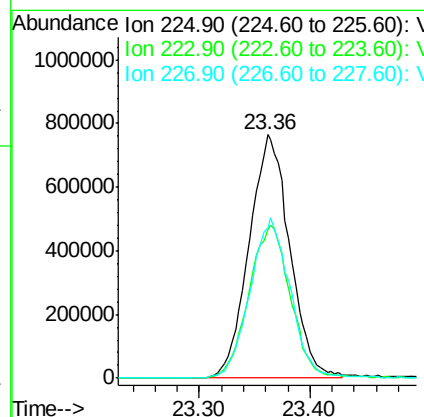
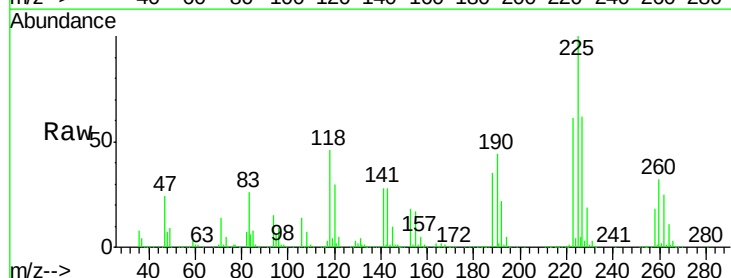
Manual Integrations
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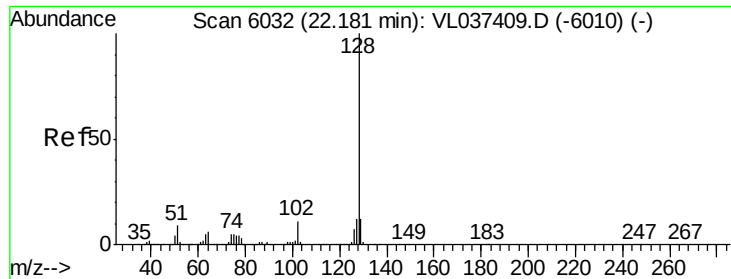
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 8/16/2021 5:03:55 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.846 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.2	76.8
227	65.5	52.2	78.4





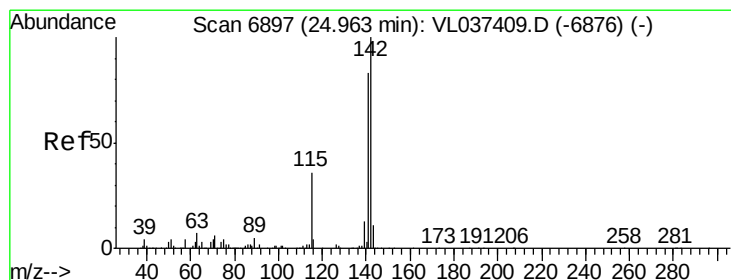
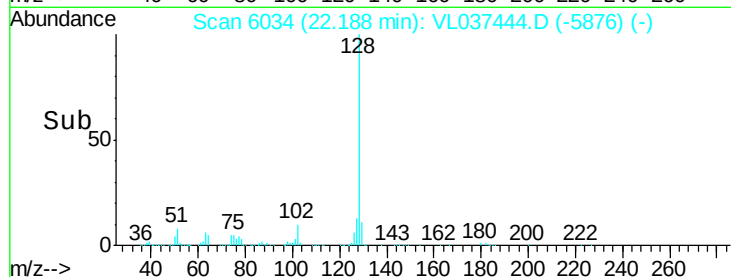
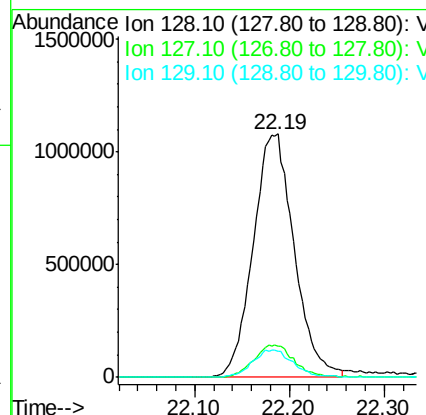
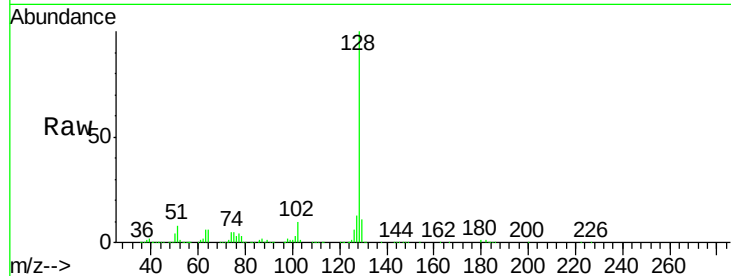
#79
Naphthalene
Concen: 12.893 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. 0.01 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	10.6	9.4	14.0

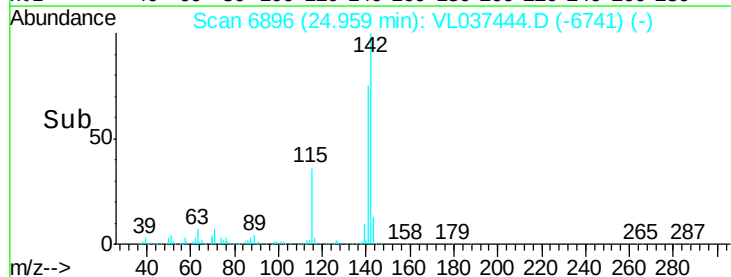
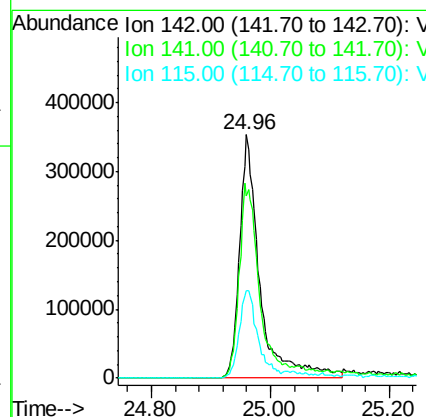
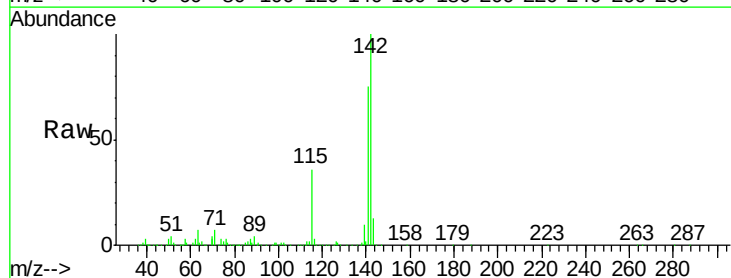
Manual Integrations
APPROVED

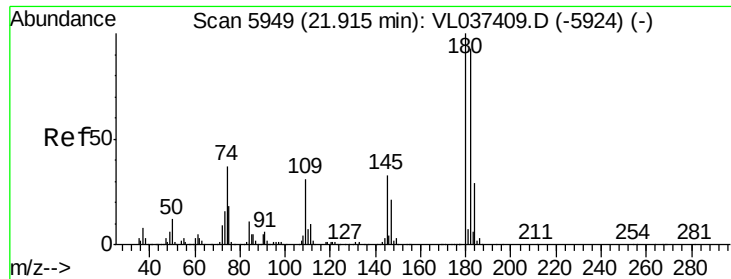
MMDadoda
8/16/2021 5:03:55 PM



#80
Naphthalene, 2-methyl-
Concen: 15.736 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.7	103.1
115	36.6	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 11.415 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	78.6	118.0
184	32.2	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:03:55 PM

