

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037373.D
 Acq On : 7 Aug 2021 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:11:01 PM

Quant Time: Aug 09 02:09:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	861513	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2845485	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2533598m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1724596	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1270922	6.511	ppbv	100
3) Chlorodifluoromethane	2.99	51	1818892	10.587	ppbv	99
4) Chloromethane	3.14	50	641383	10.922	ppbv	97
5) Vinyl Chloride	3.25	62	708077	9.986	ppbv	99
6) Bromomethane	3.47	94	445240	12.589	ppbv	95
7) Chloroethane	3.55	64	257950	10.858	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	1747715	10.430	ppbv	98
9) Propene	3.01	41	601651	10.434	ppbv	100
10) Heptane	8.11	43	1517393	11.323	ppbv	99
11) Trichlorofluoromethane	3.94	101	1750945	10.462	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1306515	10.500	ppbv	100
13) Ethanol	3.61	45	81816m	7.693	ppbv	
14) Bromoethene	3.74	108	592111	11.184	ppbv	99
15) Acetone	3.84	43	868261	9.671	ppbv	99
16) 1,3-Butadiene	3.32	39	645107	10.690	ppbv	100
17) tert-Butyl alcohol	4.28	59	1092172	11.429	ppbv	99
18) 1,1-Dichloroethene	4.28	96	607187	11.215	ppbv	99
19) Isopropyl Alcohol	3.96	45	605338	11.140	ppbv	# 98
20) Methylene Chloride	4.34	84	522464	6.949	ppbv	98
21) Allyl Chloride	4.41	41	778418	10.486	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	588659	11.170	ppbv	98
23) Vinyl Acetate	5.07	43	1616511	12.974	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1302483	12.147	ppbv	99
25) Ethyl Acetate	5.67	43	2395201	10.786	ppbv	99
26) Hexane	5.68	57	1208034	9.627	ppbv	99
27) Carbon Disulfide	4.55	76	1307040	11.998	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1485559	11.887	ppbv	100
29) Chloroform	5.75	83	1867348	11.093	ppbv	98
30) Cyclohexane	7.12	84	1068433	10.918	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1167625	11.789	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1881983	10.545	ppbv	99
34) 2-Butanone	5.24	43	1084448	11.351	ppbv	99
35) Carbon Tetrachloride	7.01	117	2025519	11.375	ppbv	99
36) Benzene	6.88	78	2550627	11.695	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1312283	11.506	ppbv	99
38) Trichloroethene	7.83	130	1116527	10.449	ppbv	98
39) 1,2-Dichloropropane	7.61	63	937869	11.802	ppbv	98
40) 1,4-Dioxane	7.83	88	240877	10.325	ppbv	# 100
41) Tetrahydrofuran	6.04	42	548434	11.669	ppbv	99
42) Bromodichloromethane	7.78	83	1951265	11.900	ppbv	99
43) Methyl Methacrylate	8.01	69	911791	12.848	ppbv	98

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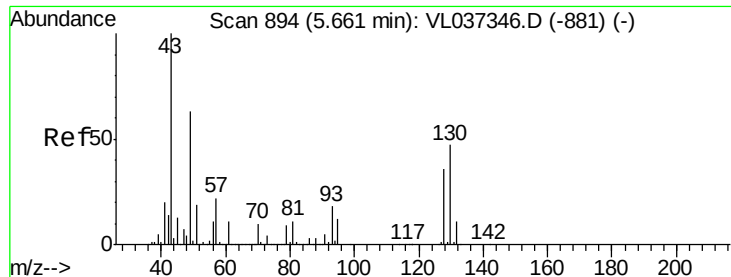
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4088589	11.211	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	846552	18.396	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1108725	16.930	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1054313	11.485	ppbv	96
48) Dibromochloromethane	10.29	129	1773630	12.511	ppbv	99
49) Bromoform	13.03	173	1295198	12.486	ppbv	94
50) 4-Methyl-2-Pentanone	8.74	43	1552130	11.846	ppbv	100
51) 2-Hexanone	10.13	43	743591	11.326	ppbv #	100
52) Tetrachloroethene	11.21	164	1068589	10.274	ppbv	99
53) Toluene	9.80	91	3047765	11.989	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1544736	12.181	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1179512	10.987	ppbv	89
57) Chlorobenzene	12.14	112	2211105	11.138	ppbv	100
58) Ethyl Benzene	12.70	91	3846973	11.615	ppbv	98
59) m/p-Xylene	12.99	91	6420215m	22.293	ppbv	
60) o-Xylene	13.68	91	2975735	11.148	ppbv	96
61) Styrene	13.52	104	1631730	11.870	ppbv	97
62) Isopropylbenzene	14.66	105	4054445	10.316	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	1992413	9.519	ppbv	98
64) n-propylbenzene	15.55	120	1152547	11.564	ppbv	94
65) tert-Butylbenzene	16.73	119	3852264	10.691	ppbv	99
66) Benzyl Chloride	16.98	91	193965	13.525	ppbv	92
67) sec-Butylbenzene	17.28	105	5199584	10.900	ppbv	100
69) p-Isopropyltoluene	17.64	119	4598733	11.163	ppbv	100
70) n-Butylbenzene	18.54	91	4356044	11.848	ppbv	100
71) 2-Chlorotoluene	15.44	91	2866043	10.870	ppbv	95
72) 4-Ethyltoluene	15.83	105	3754444	11.893	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3317189	11.127	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	3460128	11.057	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2200634	11.110	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2190768	11.277	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2167231	11.276	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1869474	12.301	ppbv	99
79) Naphthalene	22.18	128	3899949	17.626	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	752493	18.714	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2154190	15.038	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

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 861513

Ion Ratio Lower Upper

49 100

128 64.9 32.1 96.3

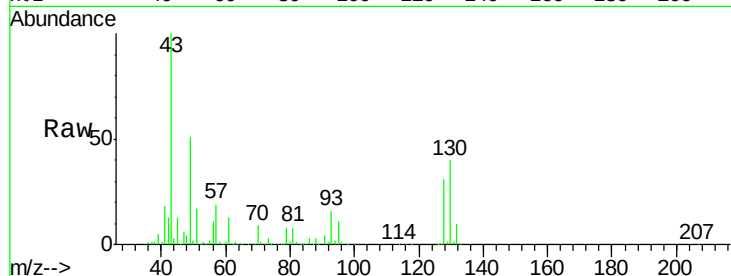
130 79.0 40.0 120.0

Manual Integrations

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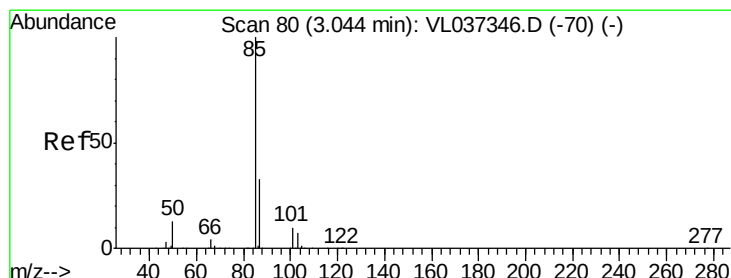
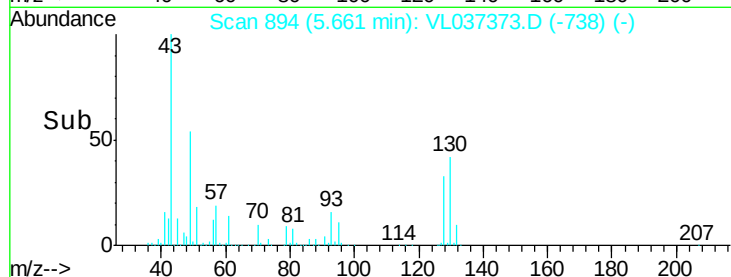
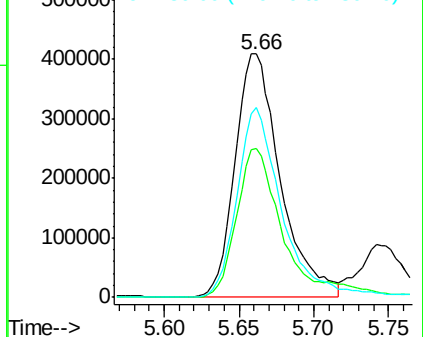
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.511 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037373.D

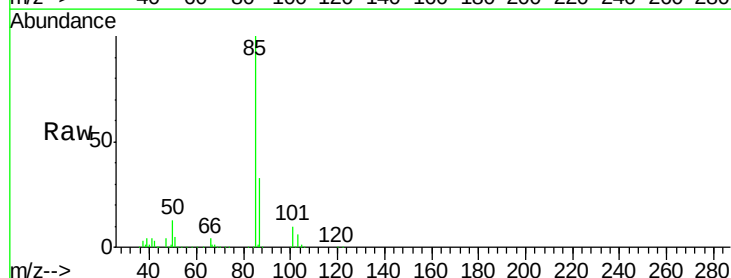
Acq: 7 Aug 2021 10:36

Tgt Ion: 85 Resp: 1270922

Ion Ratio Lower Upper

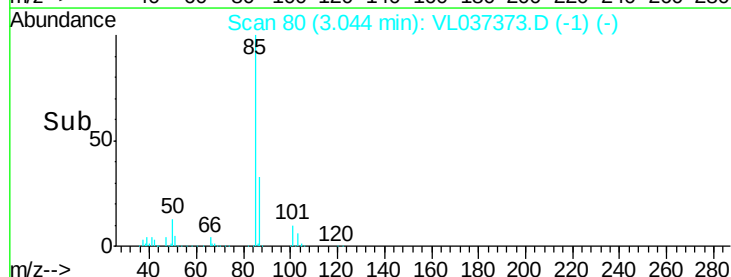
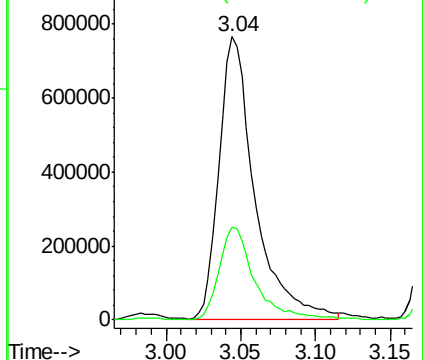
85 100

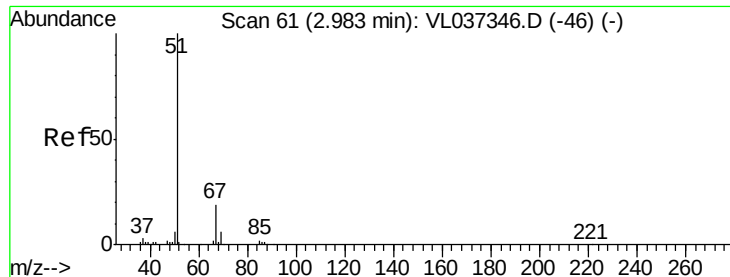
87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.587 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tot Ion: 51 Resp: 1818892

Ion Ratio Lower Upper

51 100

67 19.2 15.6 23.4

Instrument :

MSVOA_L

ClientSampleId :

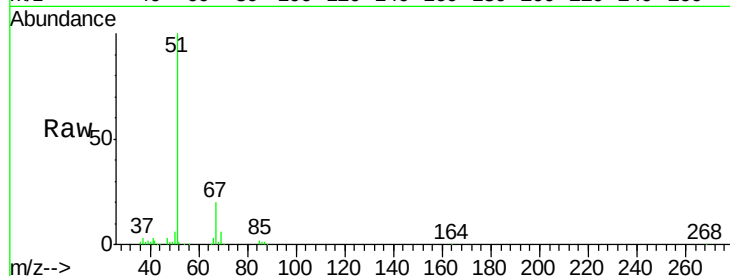
VSTDCCC010EC

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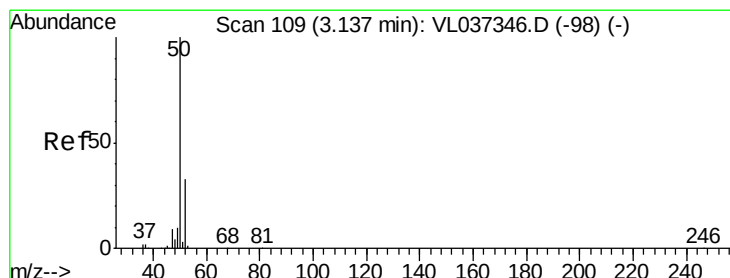
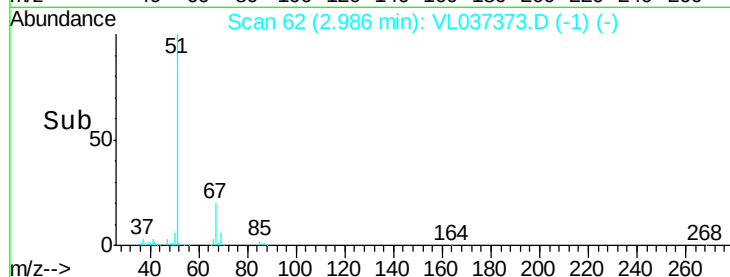
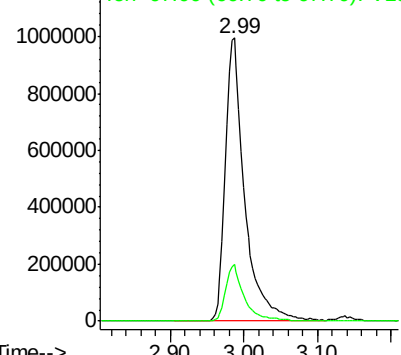
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.922 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL037373.D

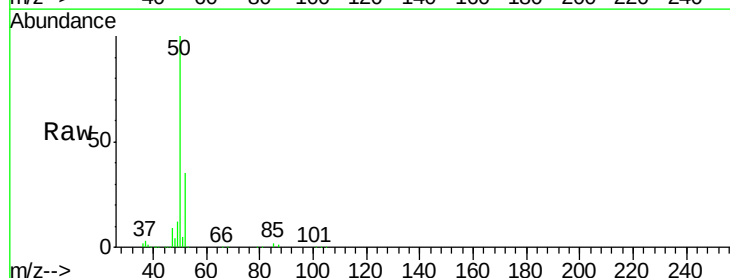
Acq: 7 Aug 2021 10:36

Tgt Ion: 50 Resp: 641383

Ion Ratio Lower Upper

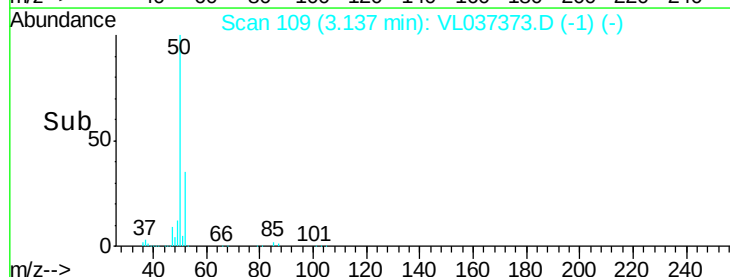
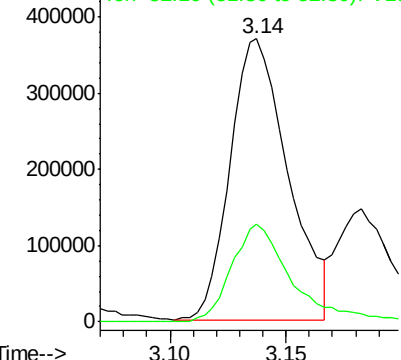
50 100

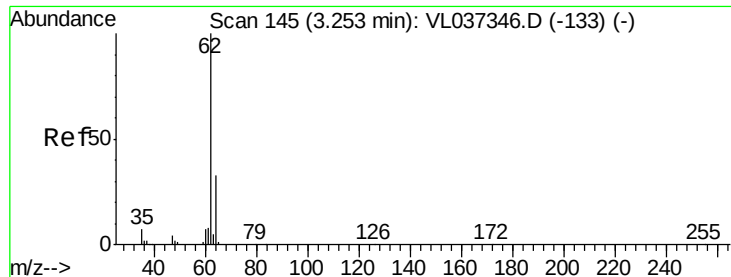
52 34.6 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.986 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 708077

Ion Ratio Lower Upper

62 100

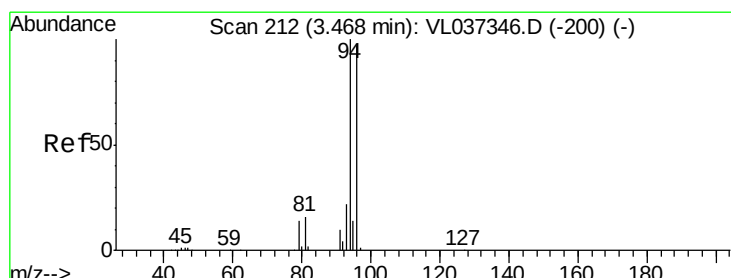
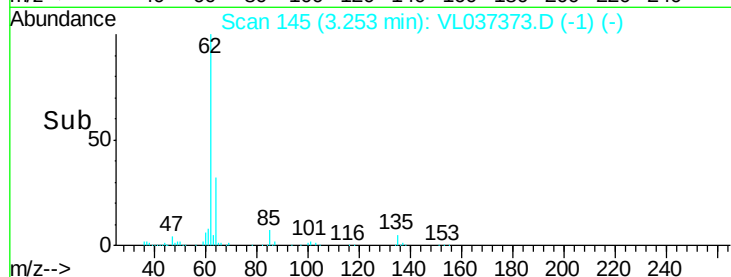
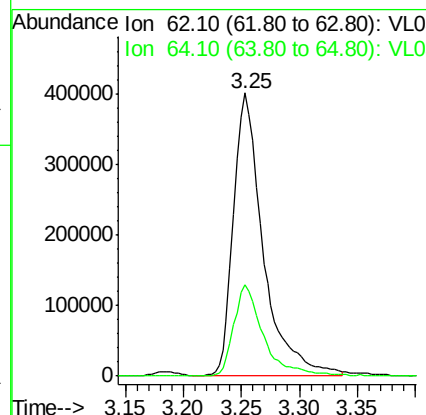
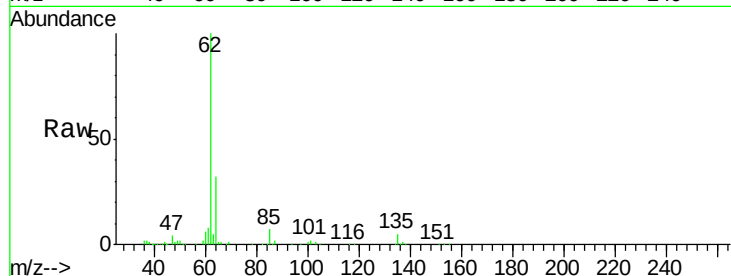
64 32.5 26.4 39.6

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#6

Bromomethane

Concen: 12.589 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL037373.D

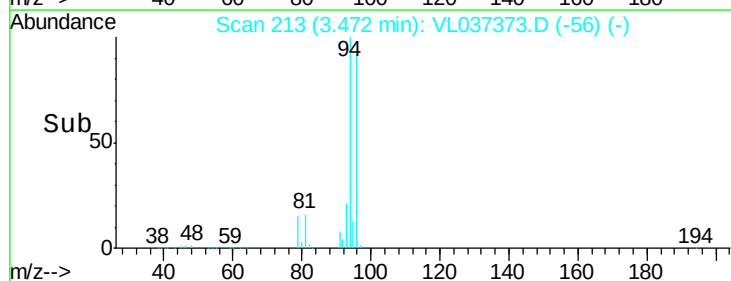
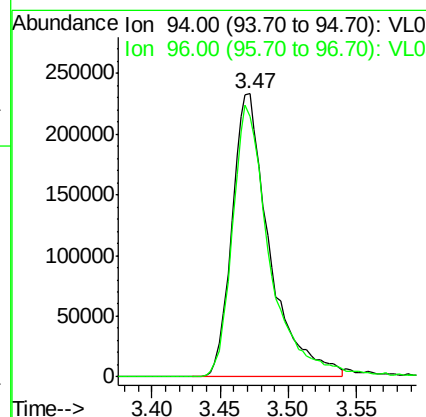
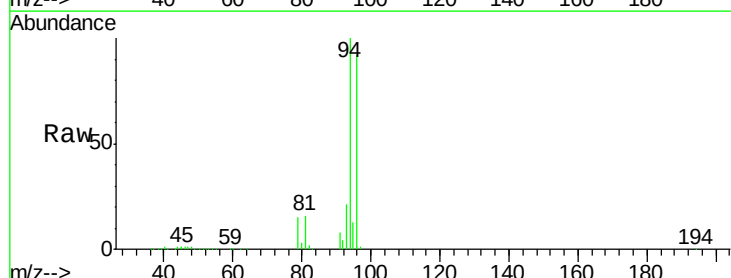
Acq: 7 Aug 2021 10:36

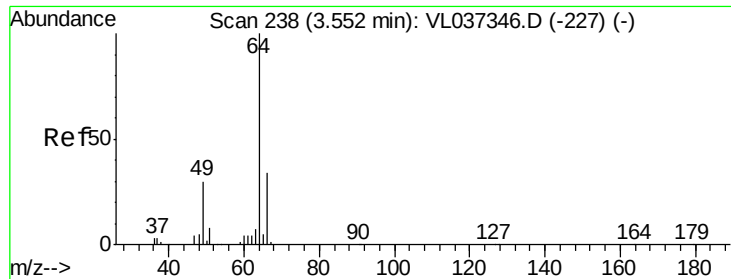
Tgt Ion: 94 Resp: 445240

Ion Ratio Lower Upper

94 100

96 92.0 77.4 116.2





#7

Chloroethane

Concen: 10.858 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 257950

Ion Ratio Lower Upper

64 100

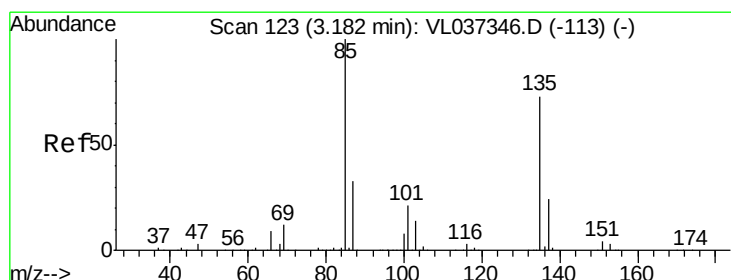
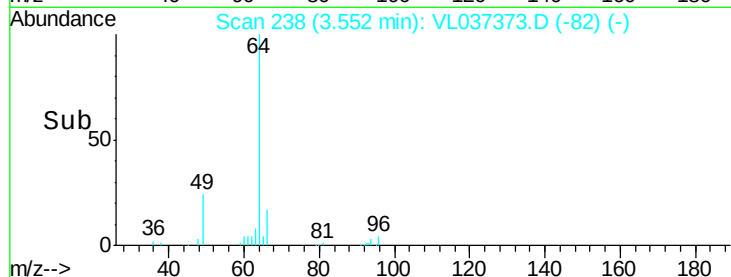
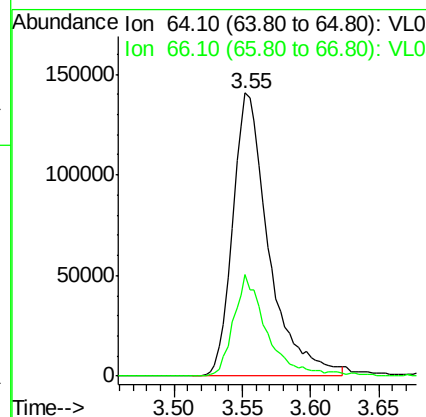
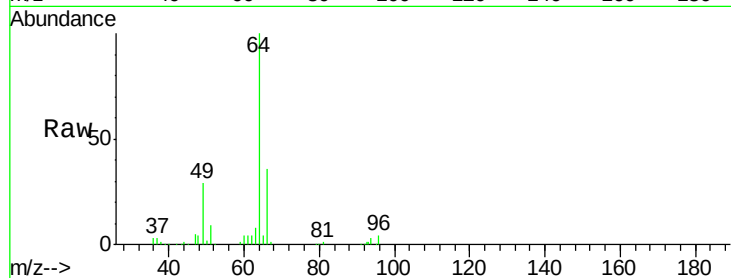
66 35.7 26.8 40.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.430 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037373.D

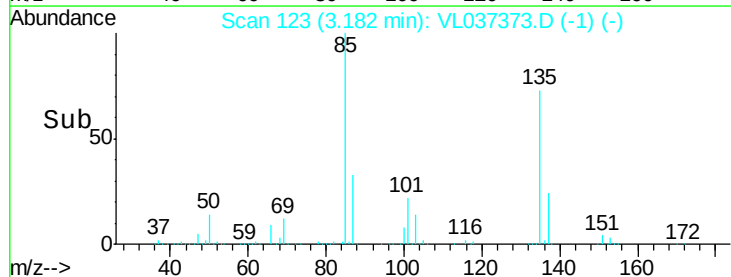
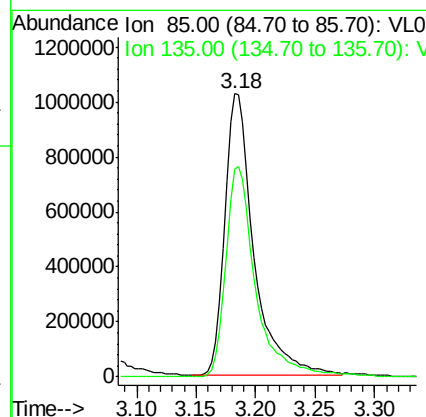
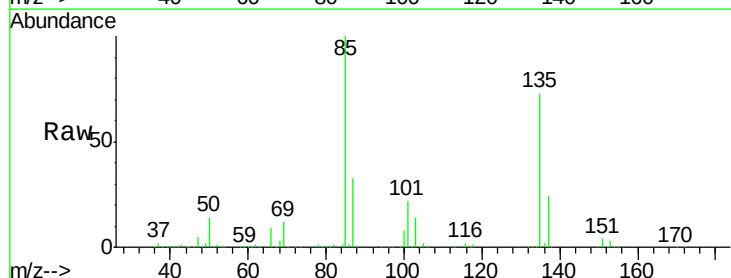
Acq: 7 Aug 2021 10:36

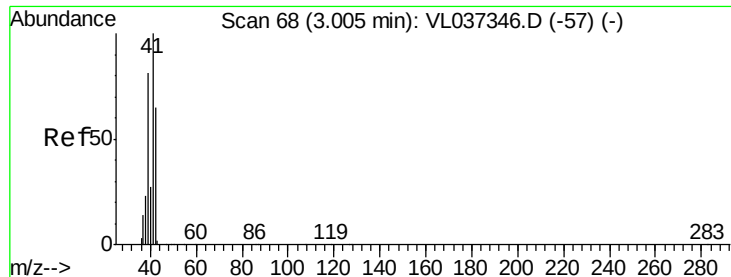
Tgt Ion: 85 Resp: 1747715

Ion Ratio Lower Upper

85 100

135 77.0 63.2 94.8





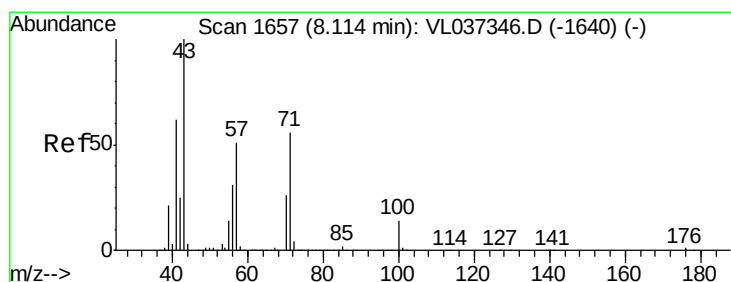
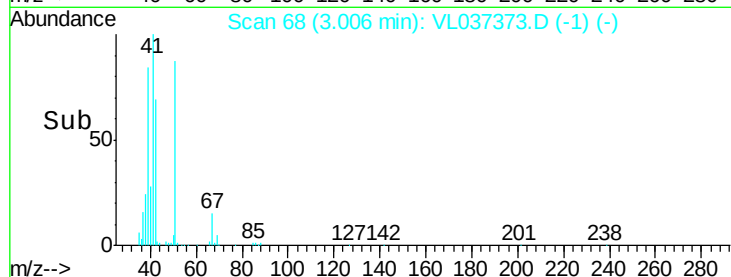
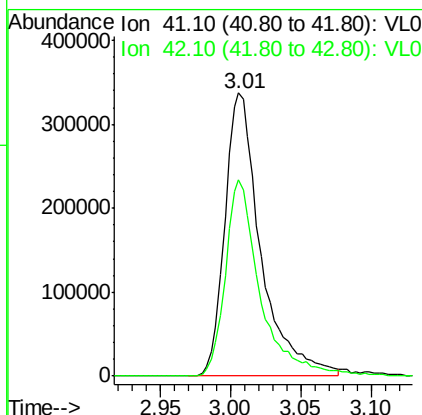
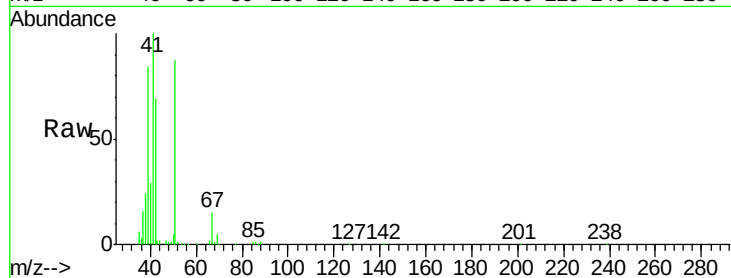
#9
 Propene
 Concen: 10.434 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 601651
 Ion Ratio Lower Upper
 41 100
 42 67.6 54.3 81.5

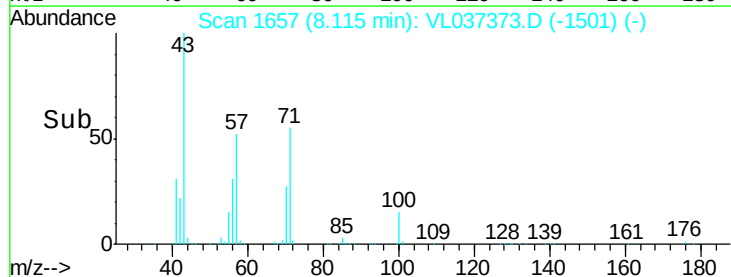
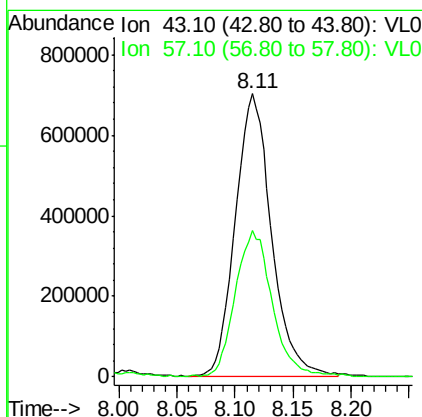
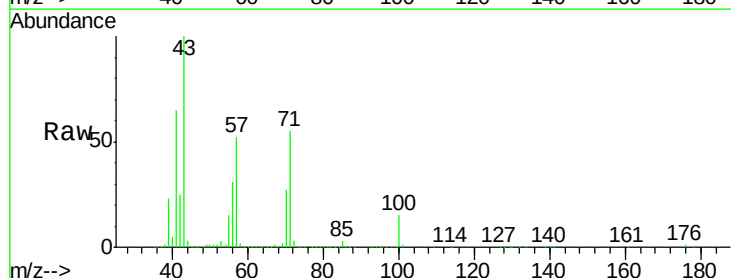
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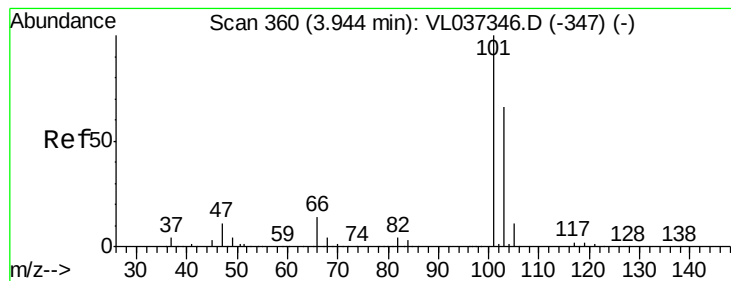
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#10
 Heptane
 Concen: 11.323 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion: 43 Resp: 1517393
 Ion Ratio Lower Upper
 43 100
 57 52.6 41.6 62.4





#11

Trichlorofluoromethane

Concen: 10.462 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1750945

Ion Ratio Lower Upper

101 100

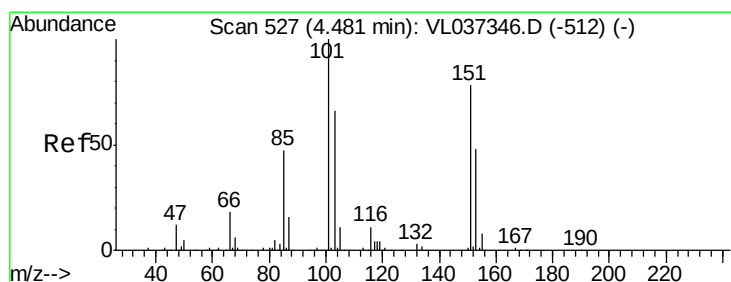
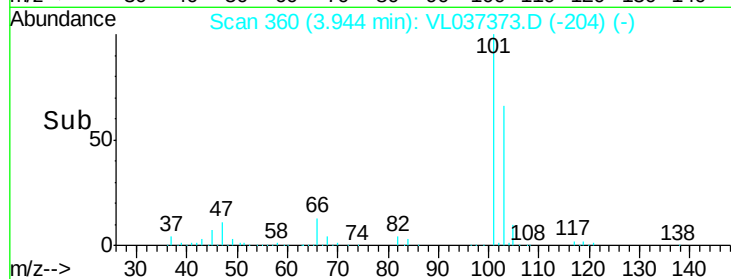
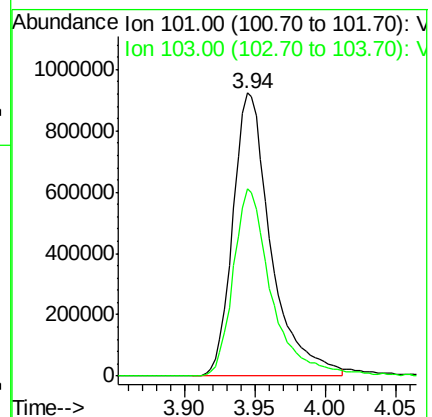
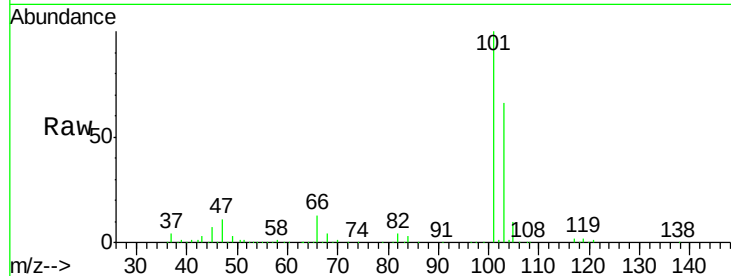
103 66.2 52.5 78.7

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.500 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL037373.D

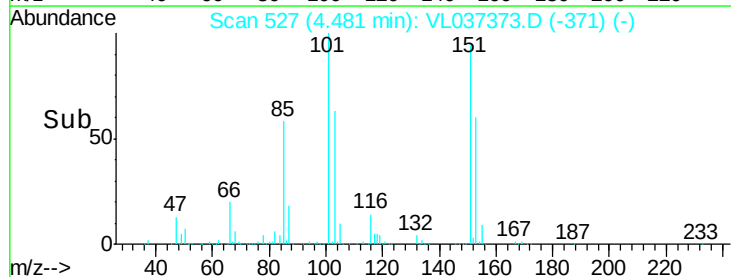
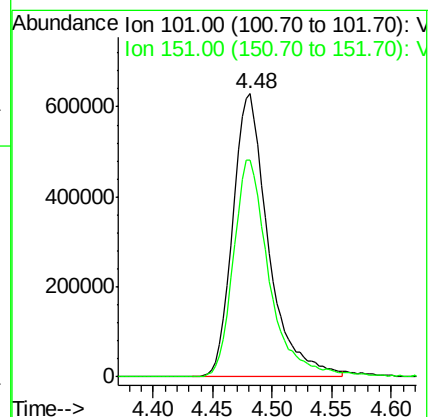
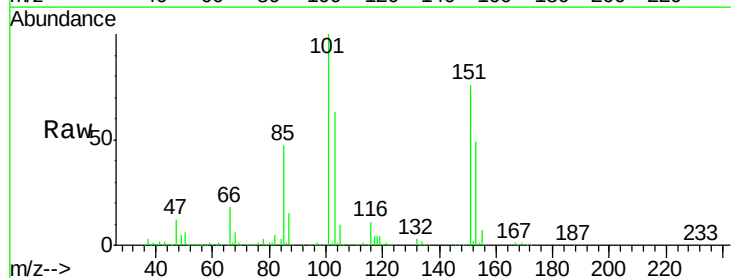
Acq: 7 Aug 2021 10:36

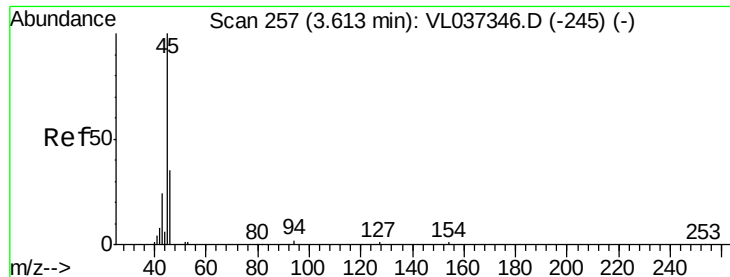
Tgt Ion:101 Resp: 1306515

Ion Ratio Lower Upper

101 100

151 77.6 62.4 93.6





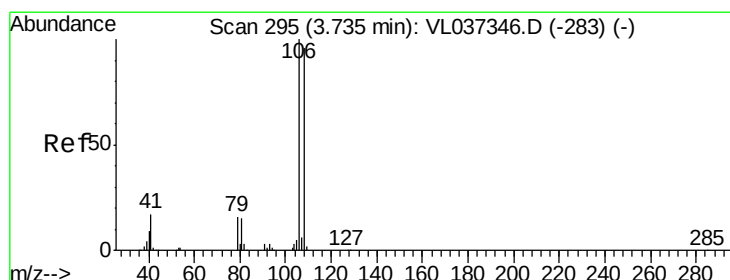
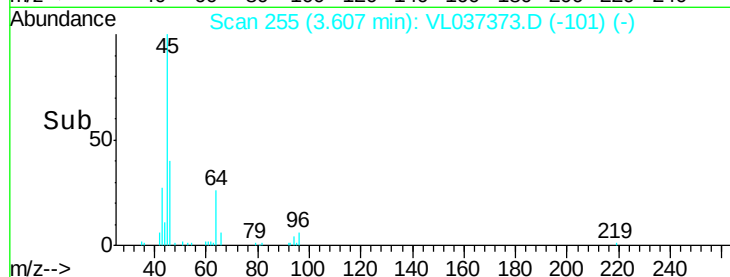
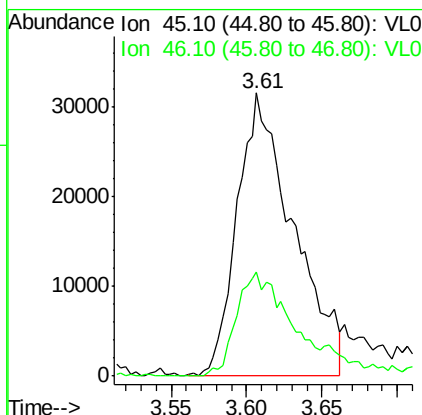
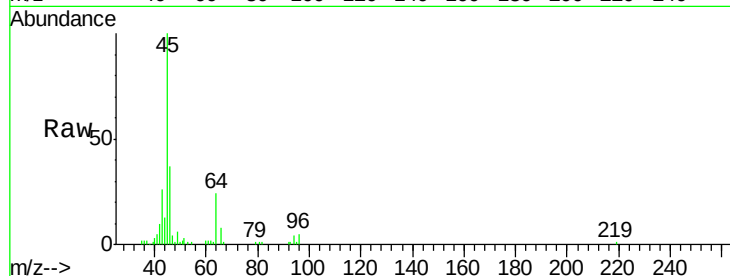
#13
Ethanol
Concen: 7.693 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	81816
Ion Ratio	100	Lower	Upper
46	40.3	15.7	62.9

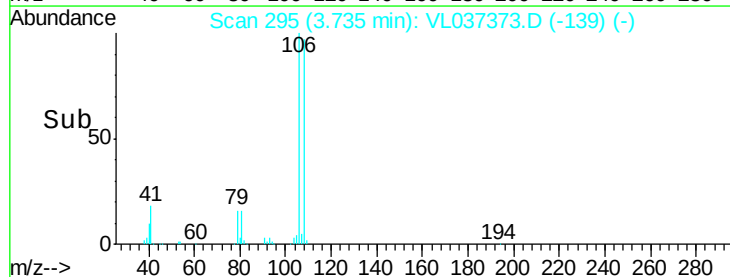
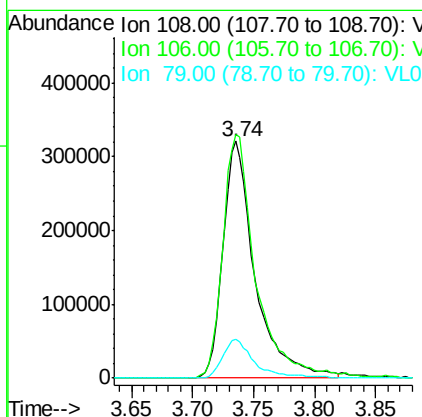
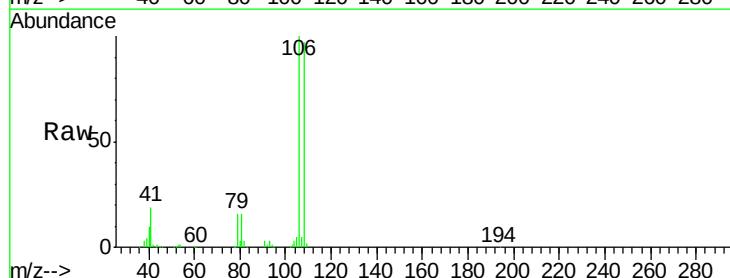
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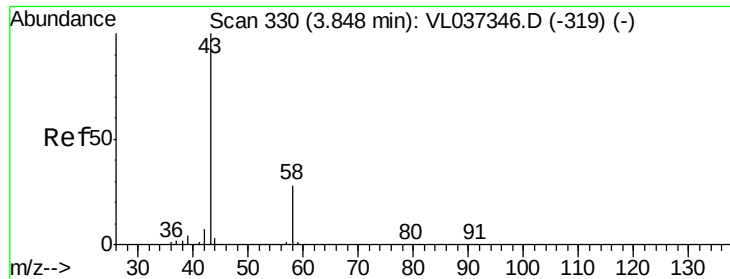
MMDadoda
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#14
Bromoethene
Concen: 11.184 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion	108	Resp	592111
Ion Ratio	100	Lower	Upper
106	106.7	86.8	130.2
79	16.7	13.4	20.2





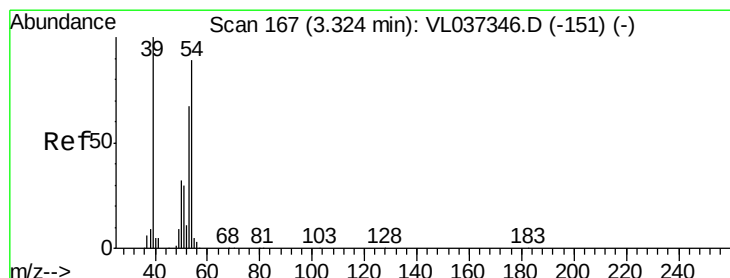
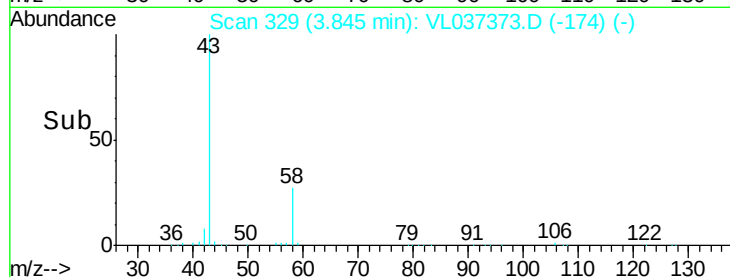
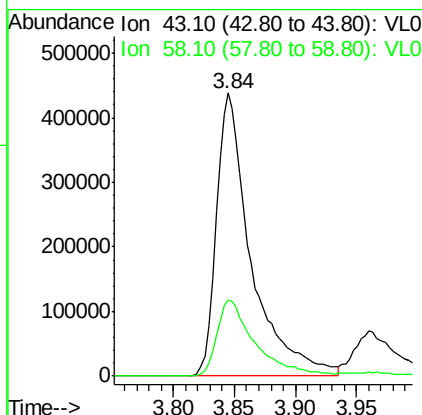
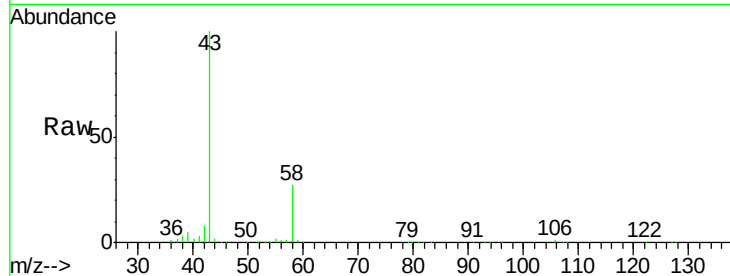
#15
Acetone
Concen: 9.671 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 868261
Ion Ratio Lower Upper
43 100
58 30.0 24.6 36.8

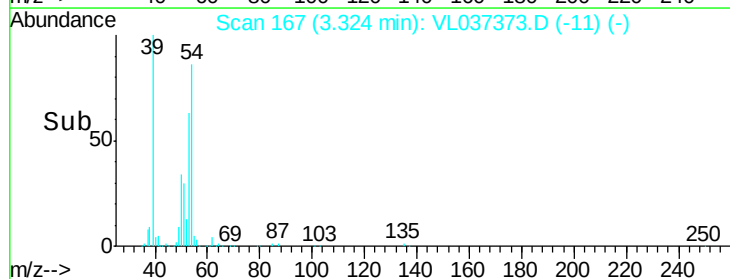
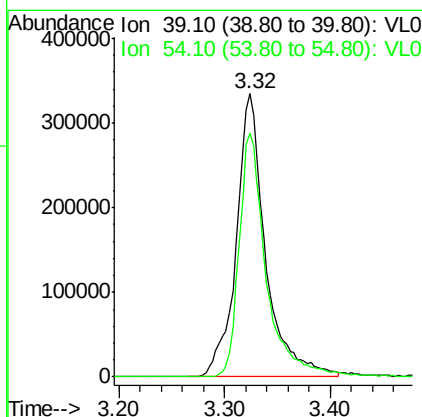
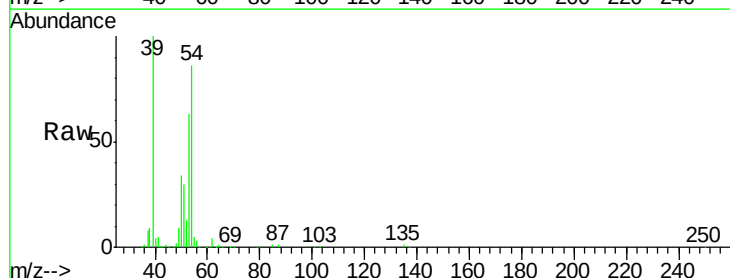
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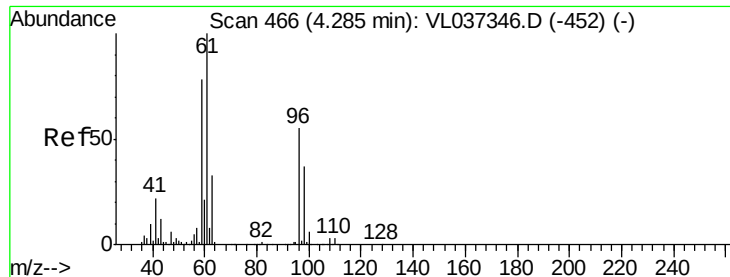
MMDadoda
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#16
1,3-Butadiene
Concen: 10.690 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 39 Resp: 645107
Ion Ratio Lower Upper
39 100
54 80.1 64.2 96.4





#17

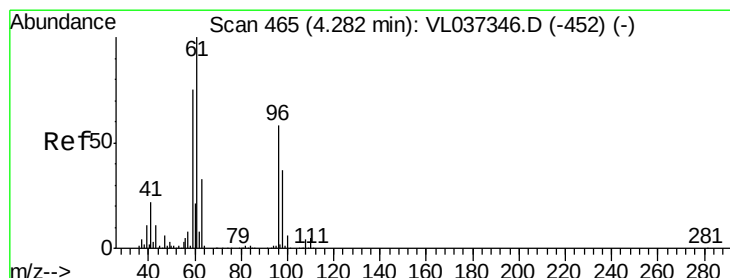
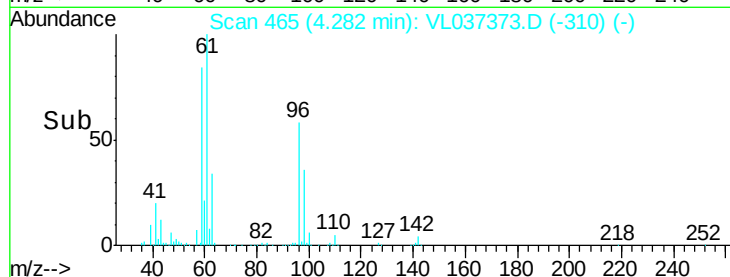
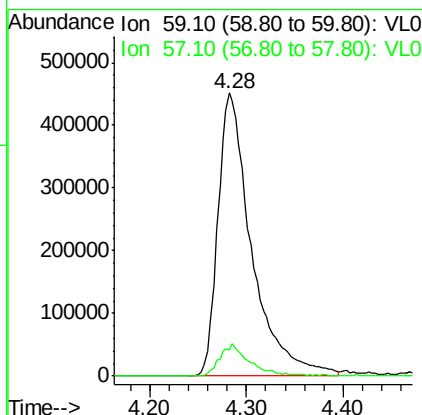
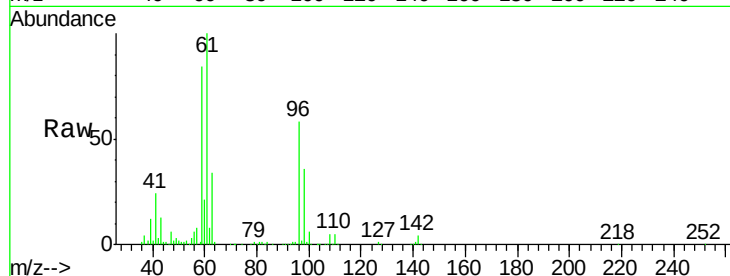
tert-Butyl alcohol
Concen: 11.429 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1092172
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

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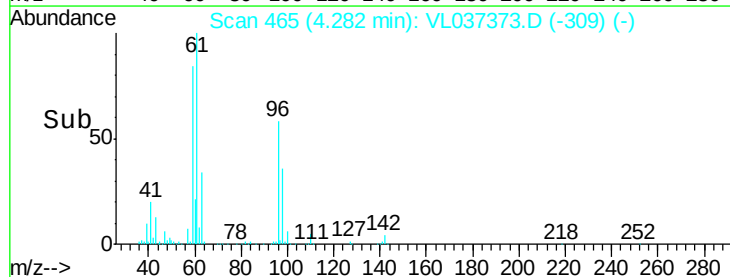
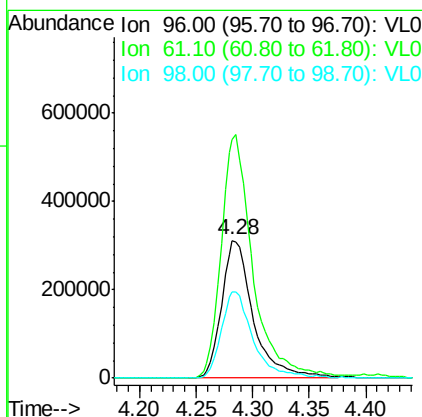
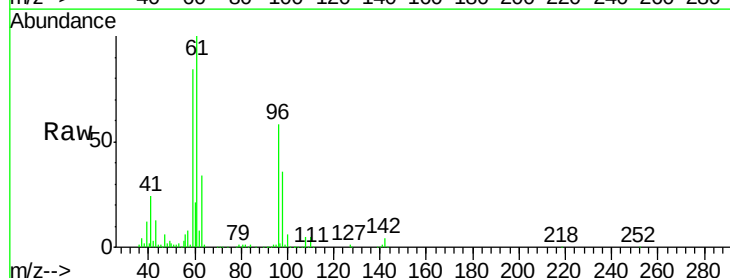
MMDadoda
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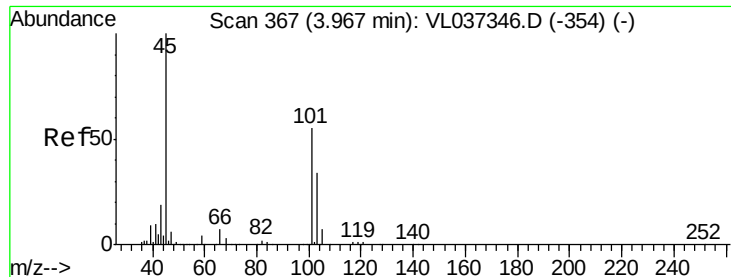


#18

1,1-Dichloroethene
Concen: 11.215 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 96 Resp: 607187
Ion Ratio Lower Upper
96 100
61 172.8 137.0 205.4
98 62.1 50.4 75.6





#19

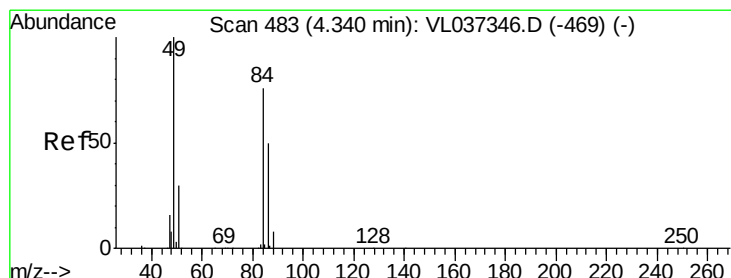
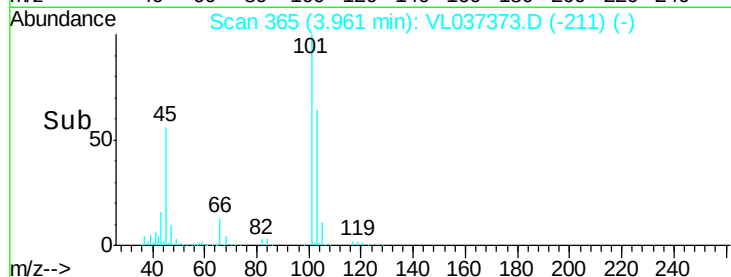
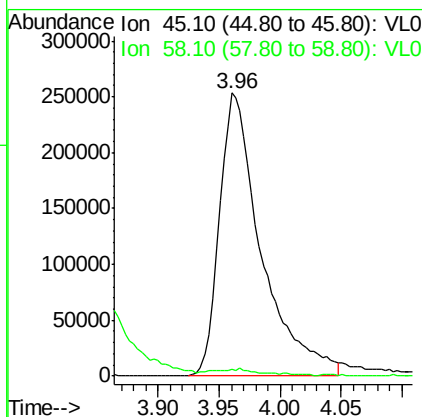
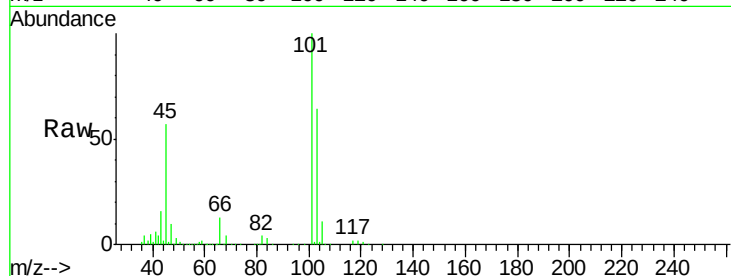
Isopropyl Alcohol
 Concen: 11.140 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	1.8	2.8#

Manual Integrations
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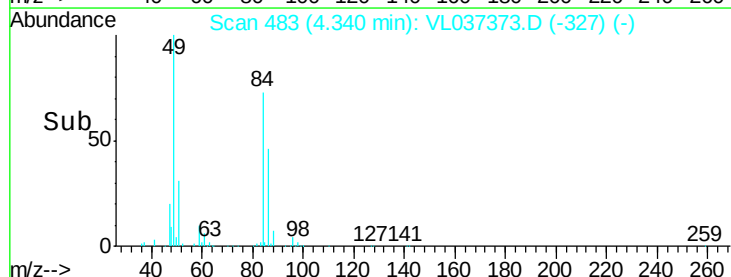
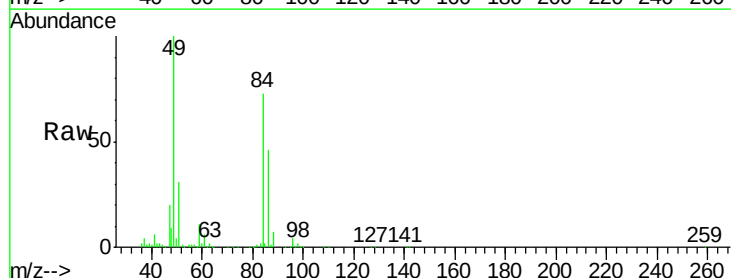
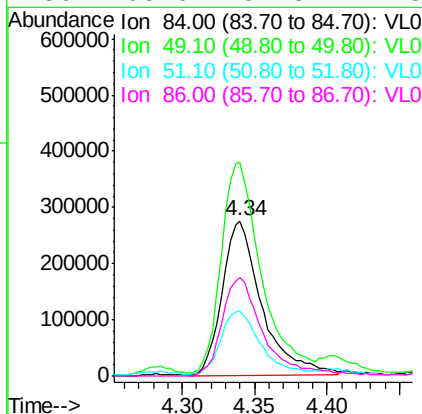
MMDadoda
 8/10/2021 6:11:01 PM

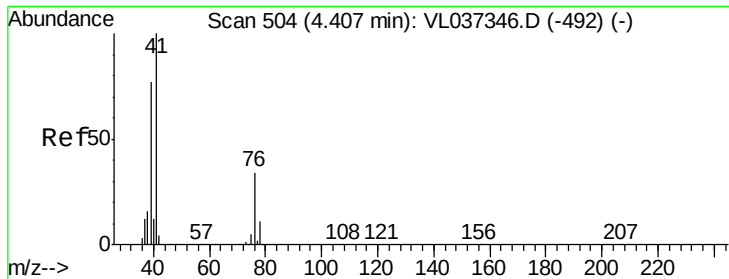


#20

Methylene Chloride
 Concen: 6.949 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.5	107.3	160.9
51	41.3	33.0	49.4
86	63.6	51.8	77.8





#21

Allvl Chloride

Concen: 10.486 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

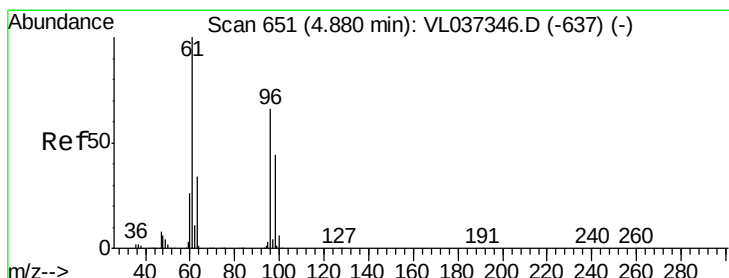
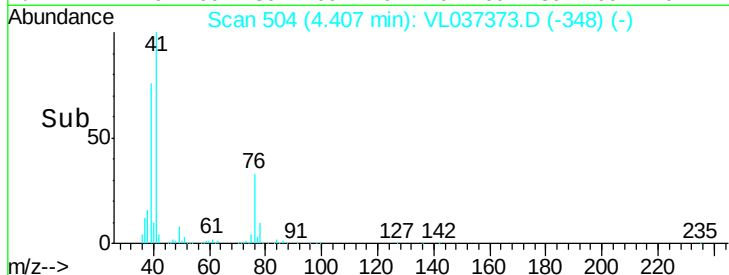
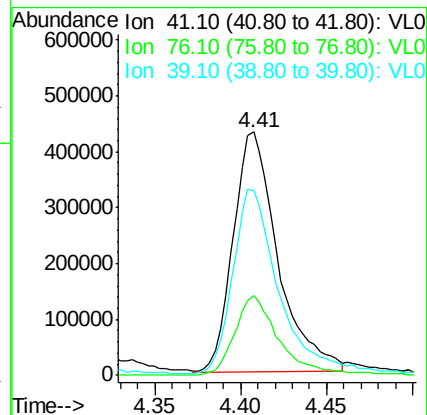
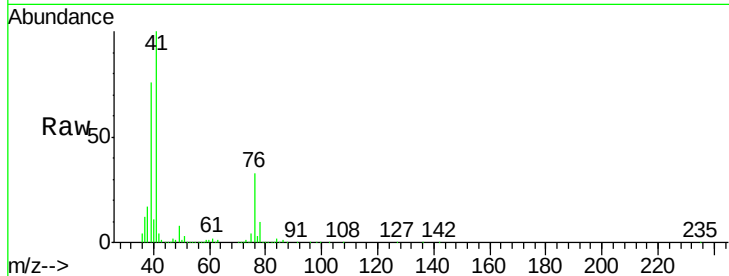
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	778418
Ion Ratio		Lower	Upper
41	100		
76	33.4	25.7	38.5
39	80.2	61.0	91.4

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 11.170 ppbv

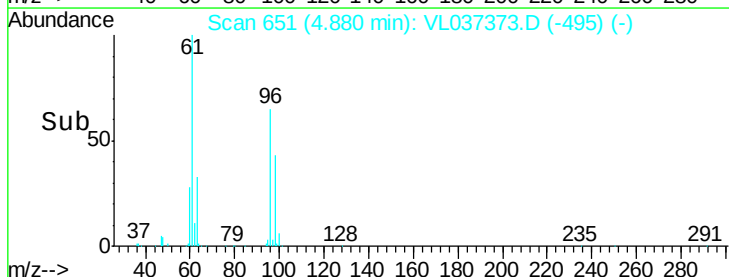
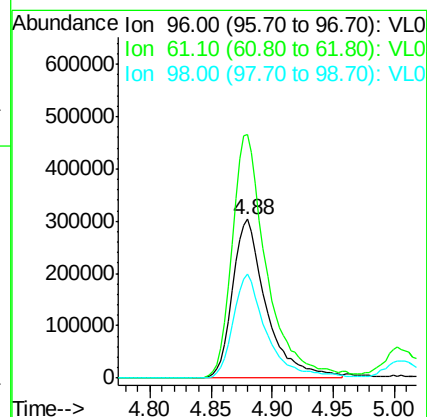
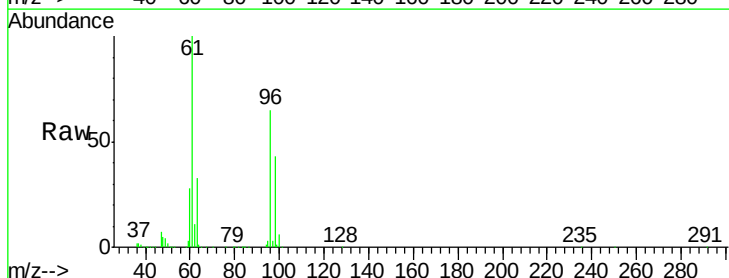
RT: 4.88 min Scan# 651

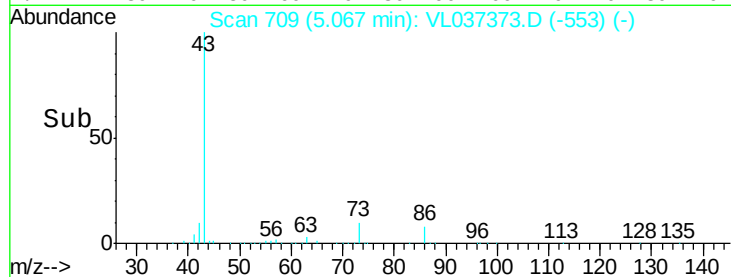
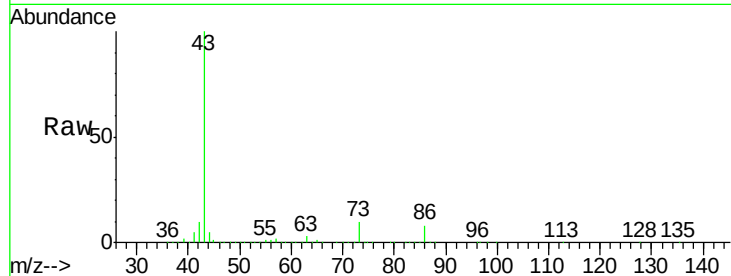
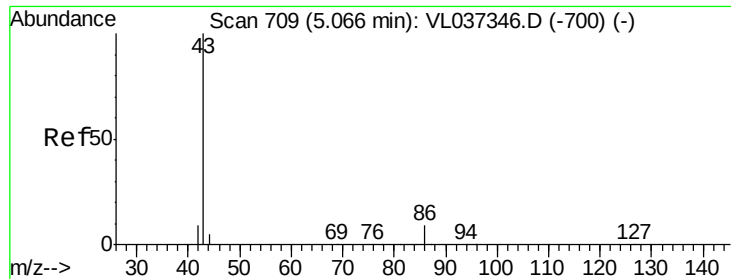
Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion:	96	Resp:	588659
Ion Ratio		Lower	Upper
96	100		
61	153.1	120.6	181.0
98	65.7	53.0	79.6





#23

Vinyl Acetate

Concen: 12.974 ppbv

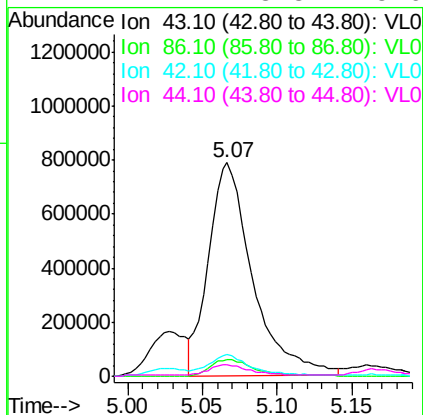
RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tot Ion	43	Resp	1616511
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.3	9.5
42	10.2	8.3	12.5
44	4.7	3.8	5.6



Instrument :

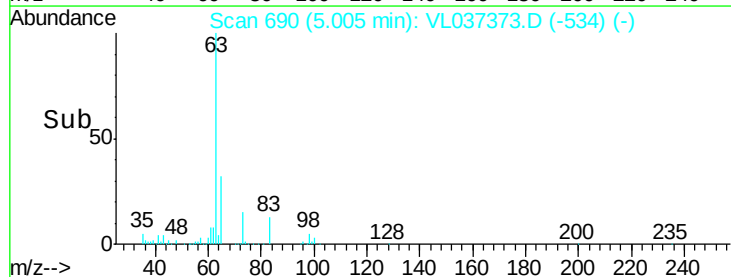
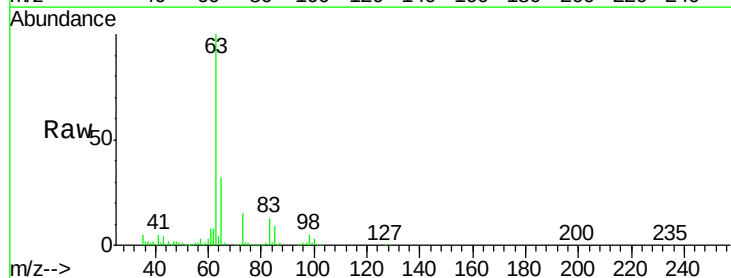
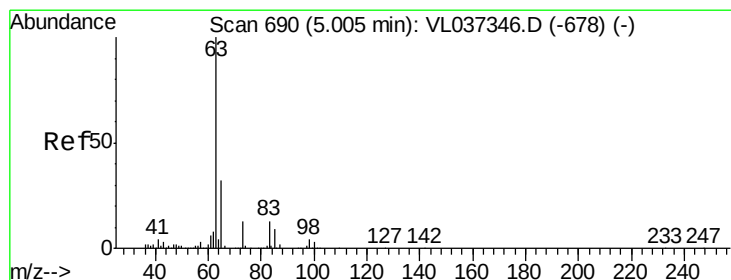
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 12.147 ppbv

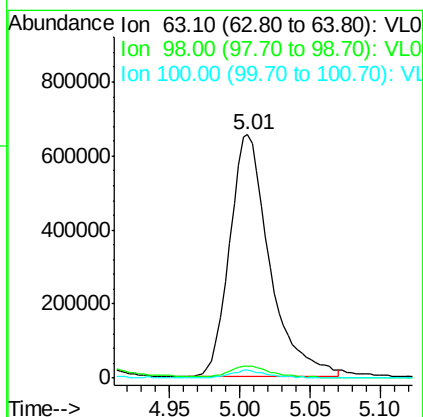
RT: 5.01 min Scan# 690

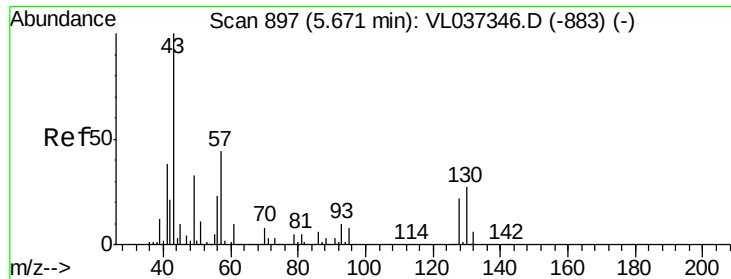
Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion	63	Resp	1302483
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	3.2	1.4	4.0





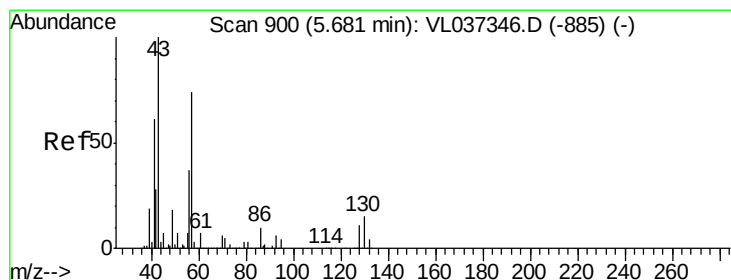
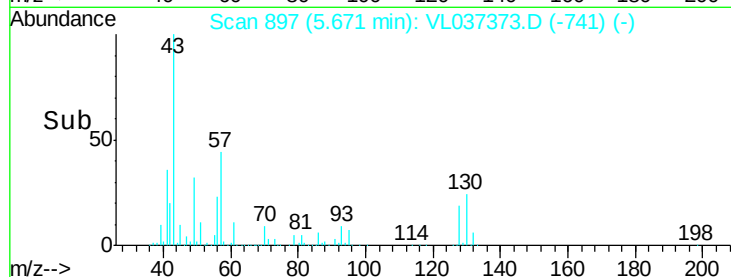
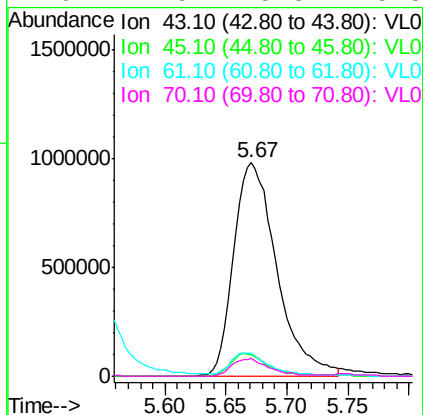
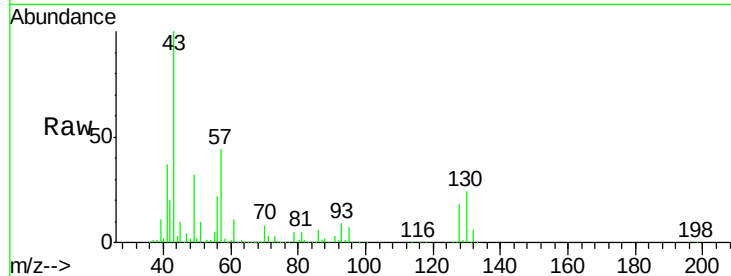
#25
Ethyl Acetate
Concen: 10.786 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.7	11.5	
61	10.7	8.2	12.2	
70	7.5	5.8	8.8	

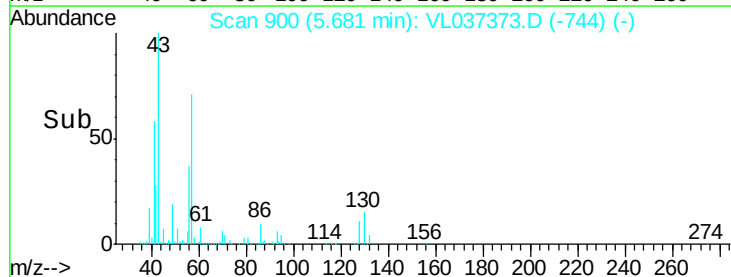
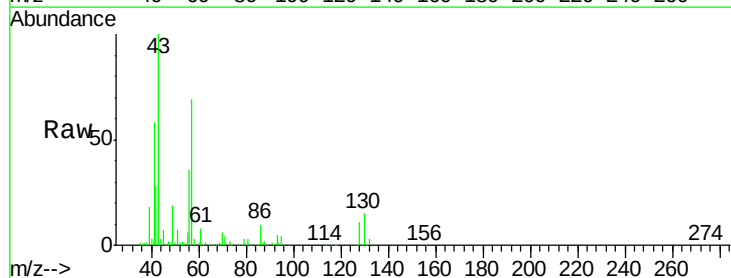
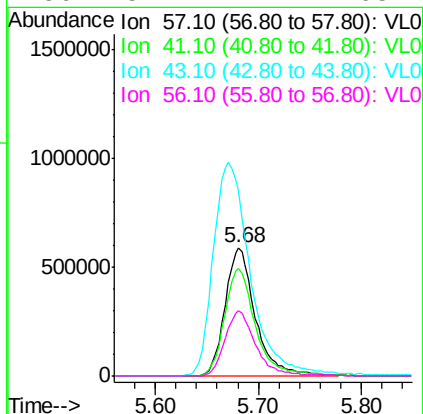
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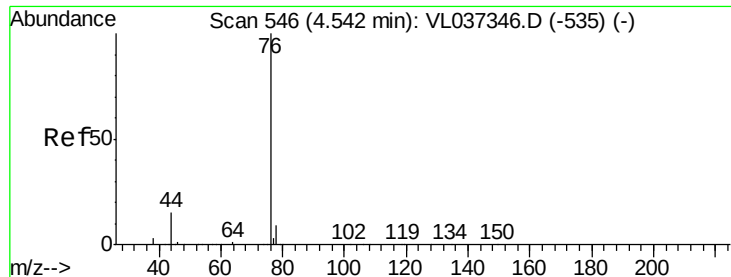
MMDadoda
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#26
Hexane
Concen: 9.627 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	86.6	69.2	103.8	
43	204.1	162.1	243.1	
56	52.2	42.2	63.4	





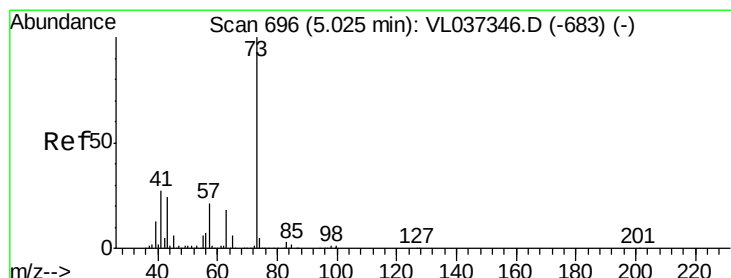
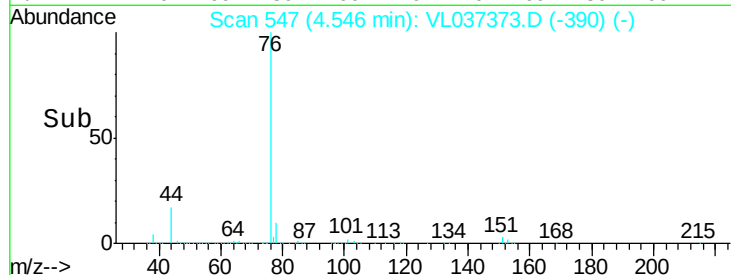
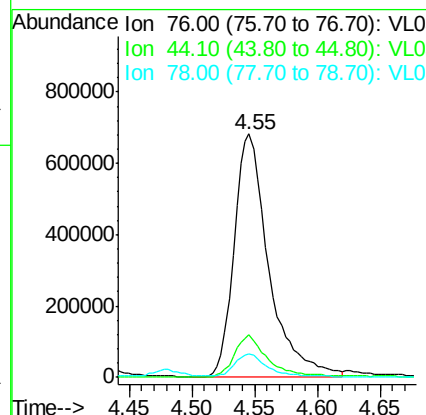
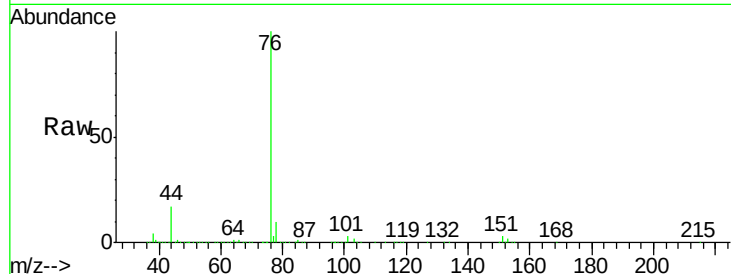
#27
Carbon Disulfide
Concen: 11.998 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1307040
Ion Ratio Lower Upper
76 100
44 17.1 13.4 20.0
78 9.7 7.9 11.9

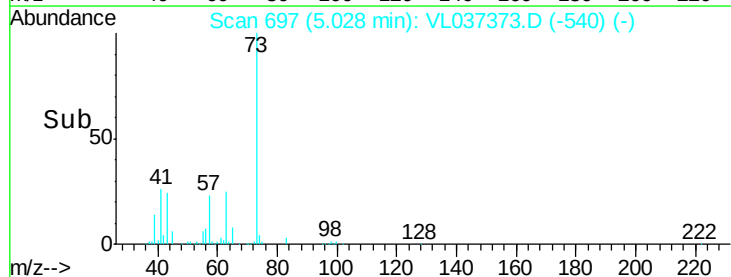
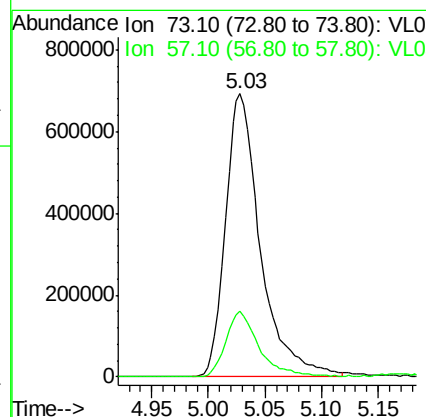
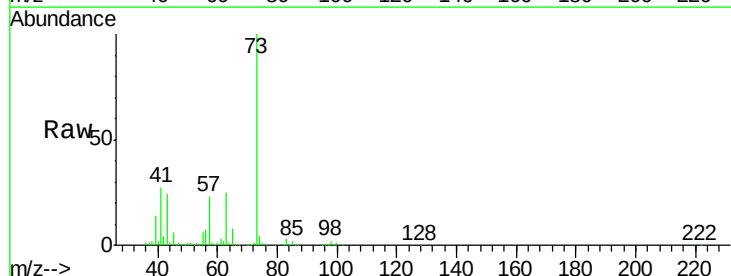
Manual Integrations
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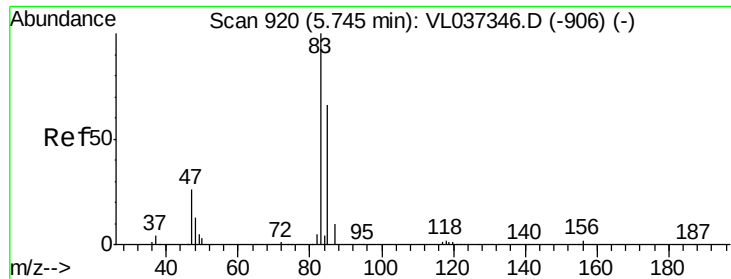
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 11.887 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 73 Resp: 1485559
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9





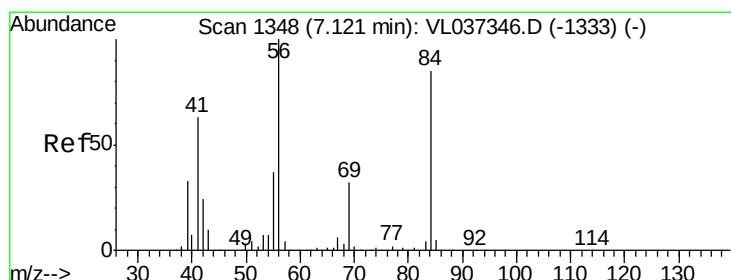
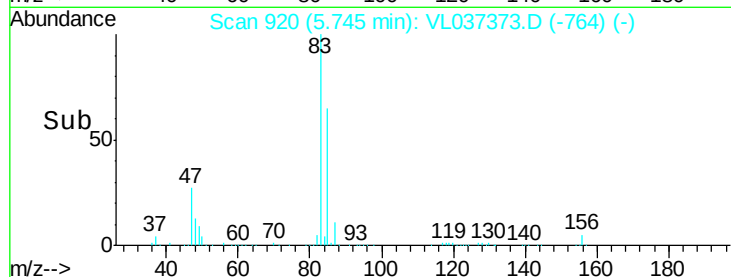
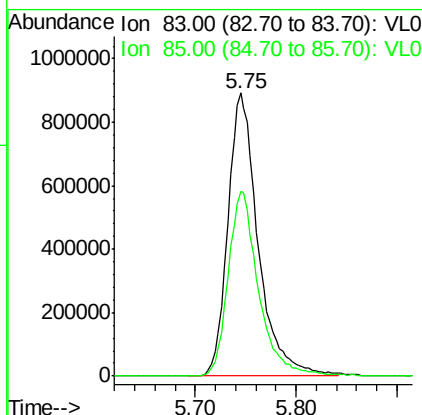
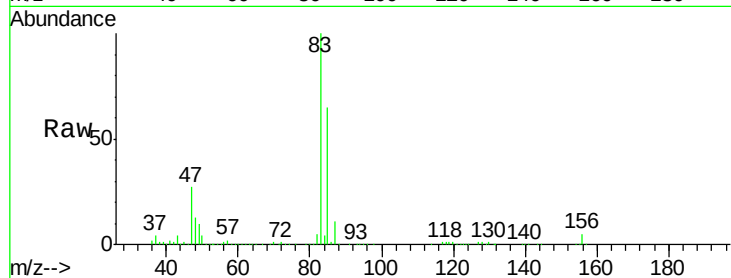
#29
Chloroform
Concen: 11.093 ppbv
RT: 5.75 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1867348
Ion Ratio Lower Upper
83 100
85 64.9 53.1 79.7

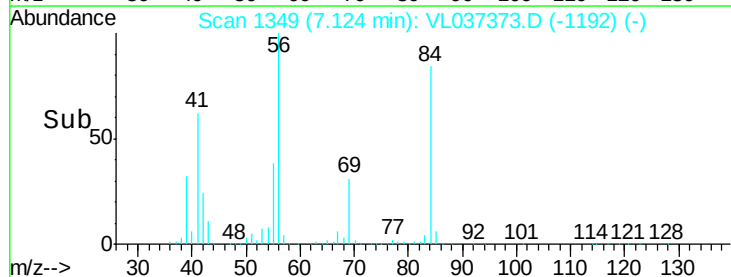
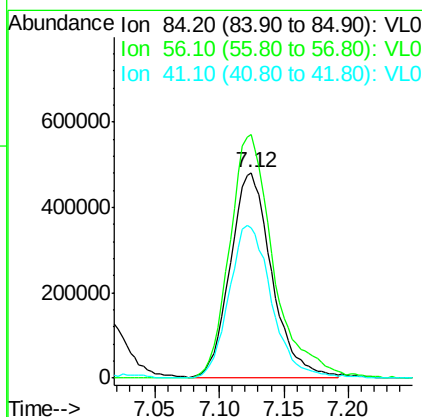
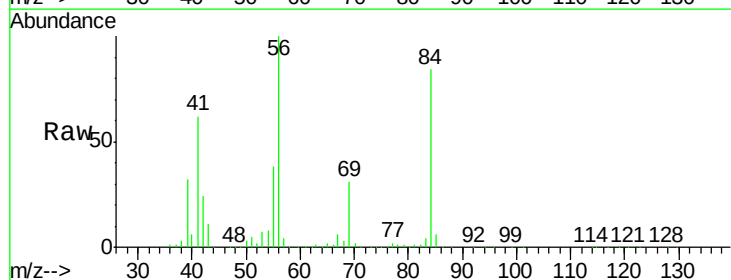
Manual Integrations
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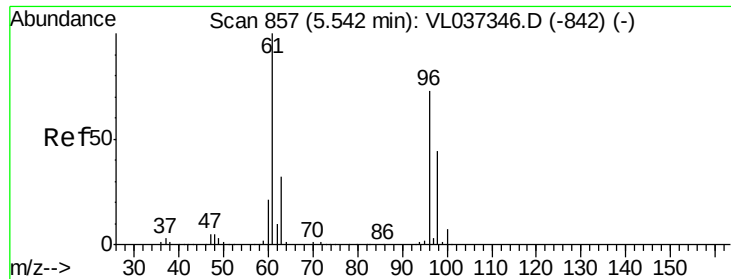
MMDadoda
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#30
Cyclohexane
Concen: 10.918 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 84 Resp: 1068433
Ion Ratio Lower Upper
84 100
56 127.0 103.5 155.3
41 77.5 61.4 92.2





#31

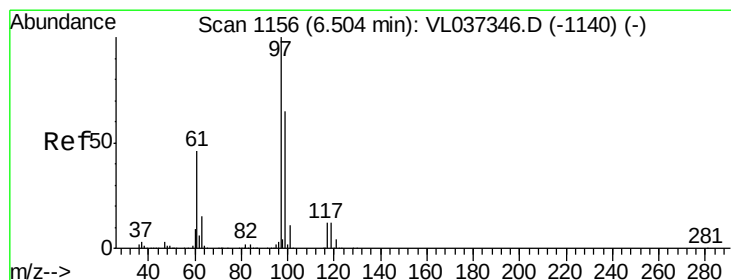
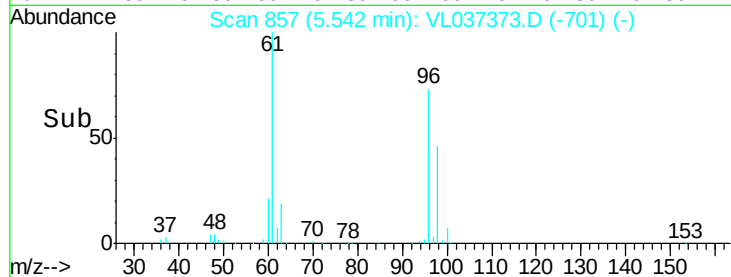
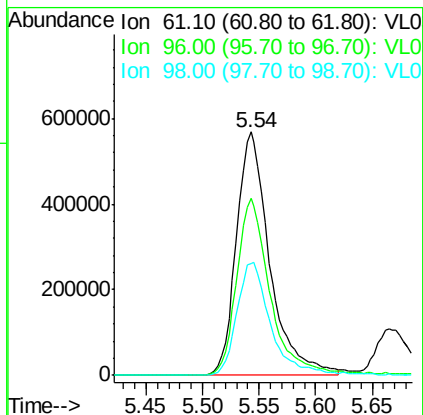
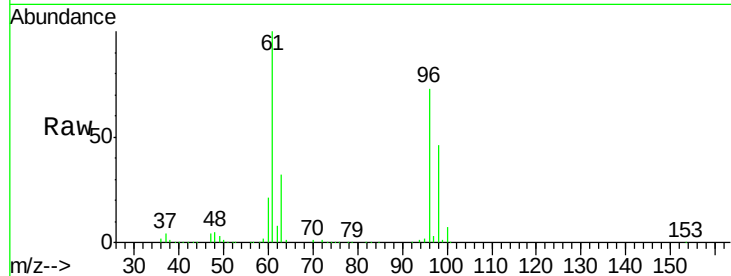
cis-1,2-Dichloroethene
Concen: 11.789 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	72.5	58.5	87.7
98	45.8	35.1	52.7

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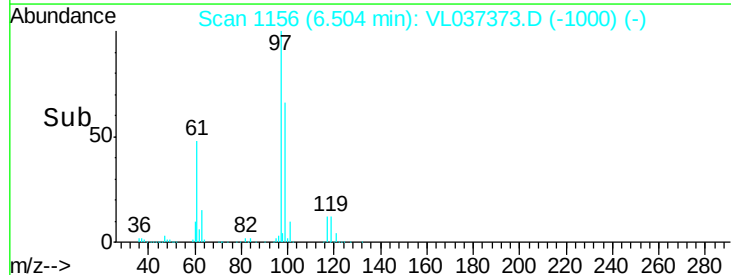
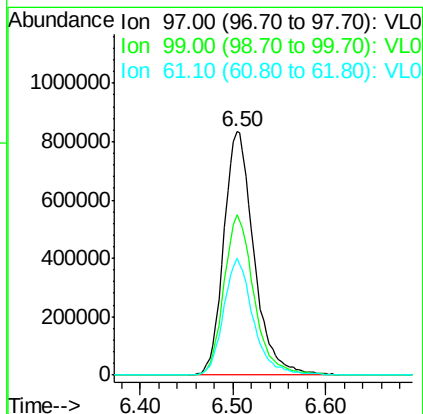
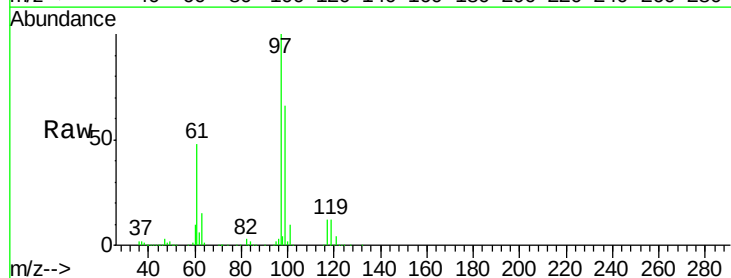
MMDadoda
8/10/2021 6:11:01 PM

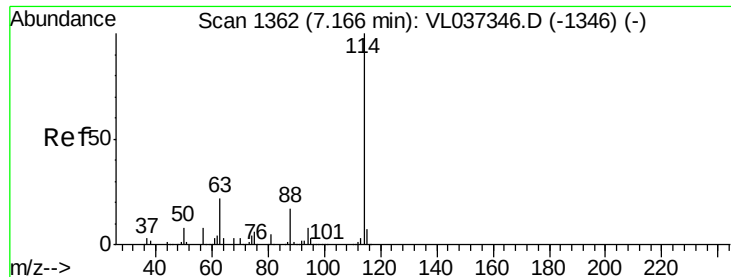


#32

1,1,1-Trichloroethane
Concen: 10.545 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	47.2	37.0	55.6





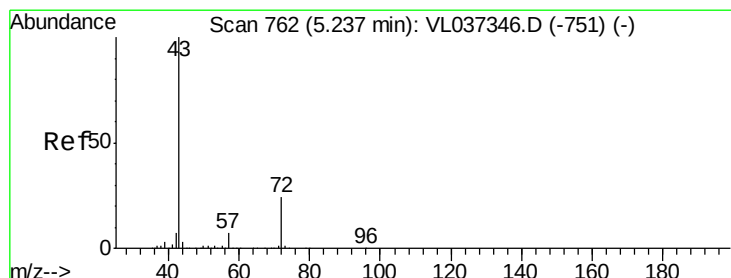
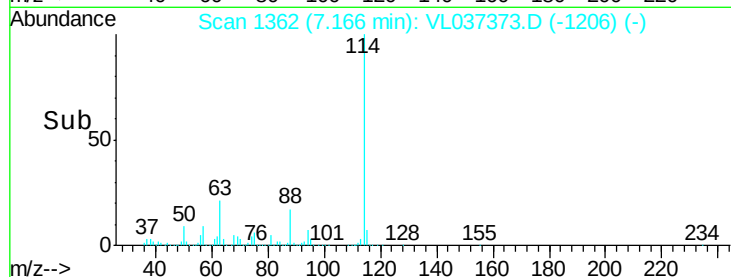
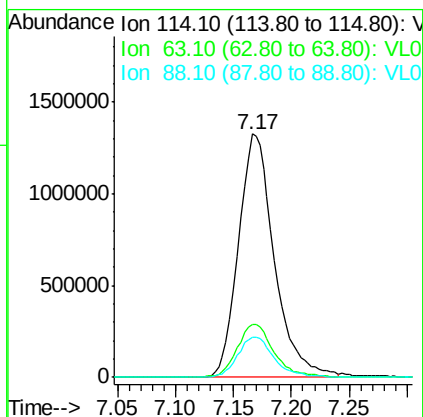
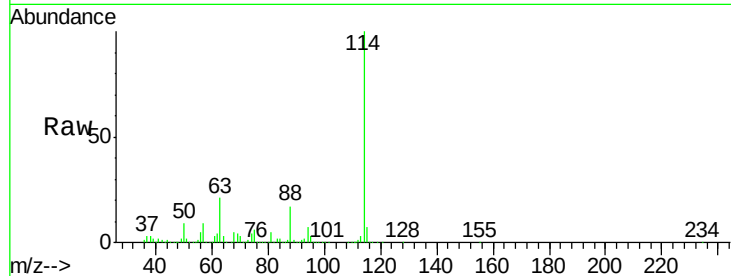
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 2845485
 Ion Ratio Lower Upper
 114 100
 63 22.7 17.8 26.6
 88 17.0 13.5 20.3

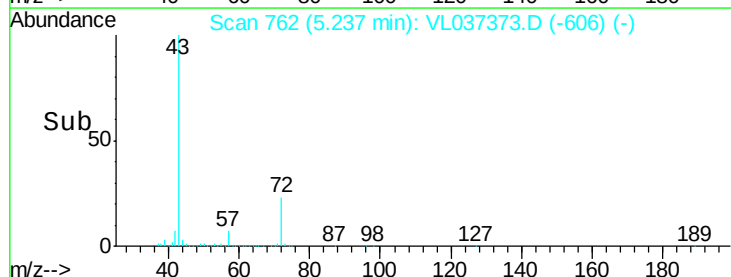
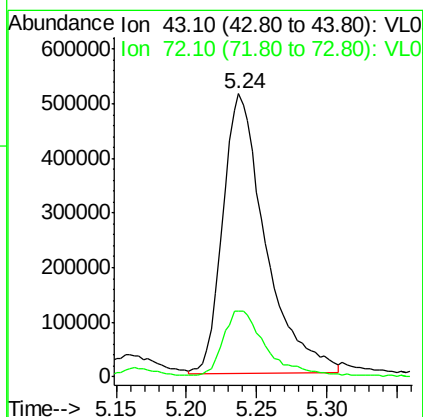
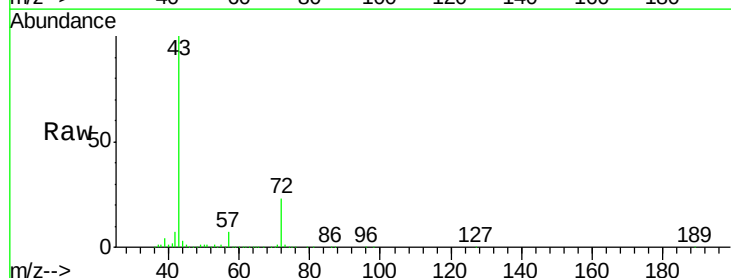
Manual Integrations
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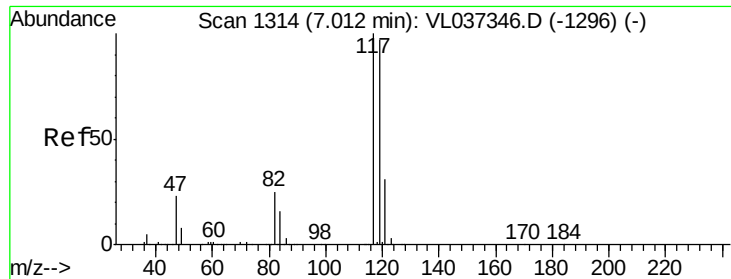
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#34
 2-Butanone
 Concen: 11.351 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion: 43 Resp: 1084448
 Ion Ratio Lower Upper
 43 100
 72 24.3 19.8 29.6





#35

Carbon Tetrachloride

Concen: 11.375 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2025519

Ion Ratio Lower Upper

117 100

119 96.2 77.8 116.8

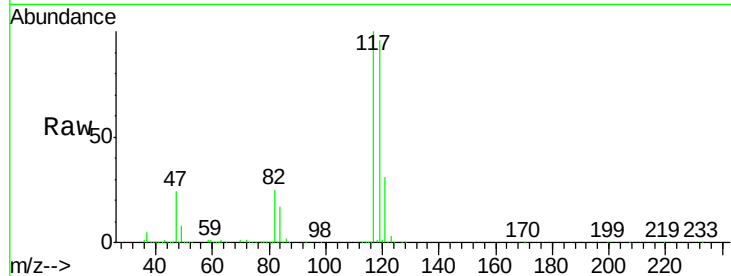
121 31.2 24.6 36.8

Manual Integrations

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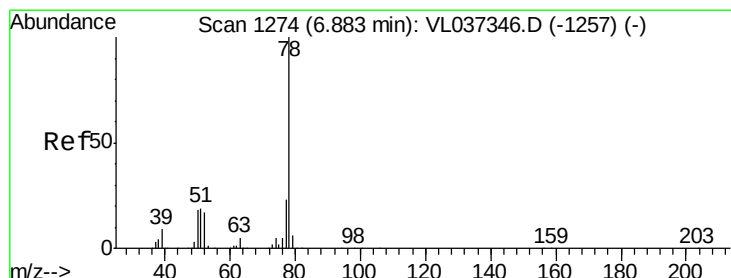
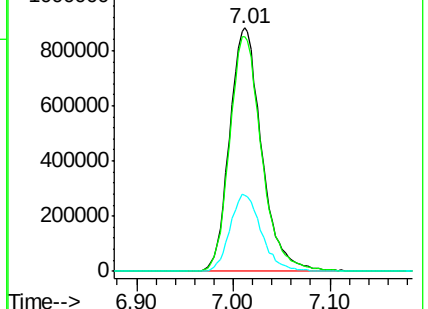
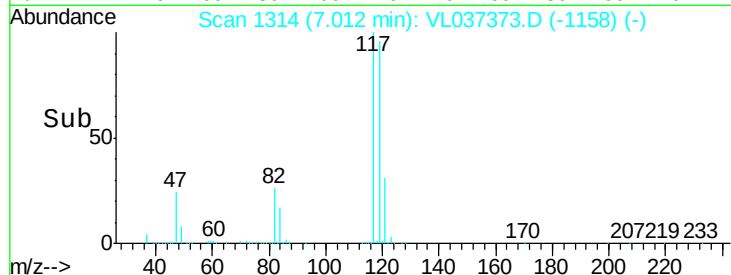
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.695 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

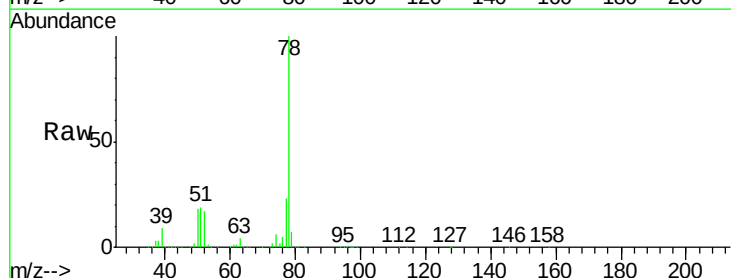
Tgt Ion: 78 Resp: 2550627

Ion Ratio Lower Upper

78 100

77 22.7 18.7 28.1

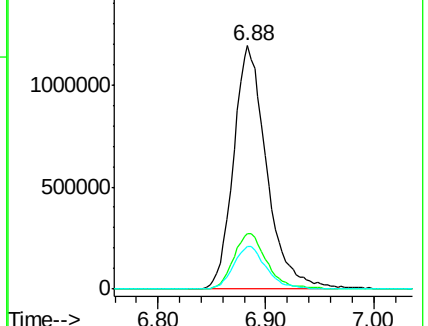
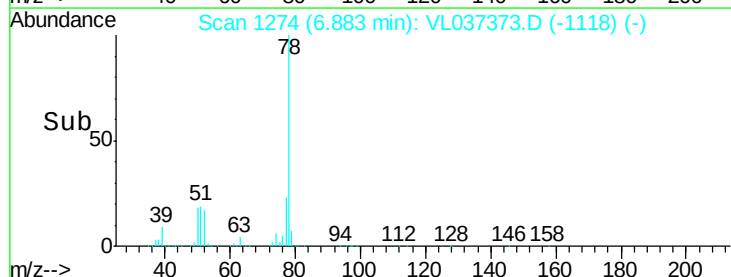
50 17.5 14.6 22.0

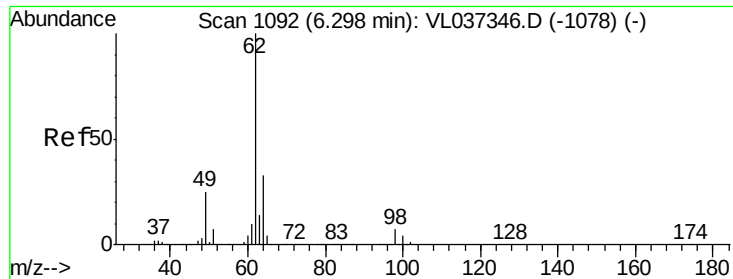


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





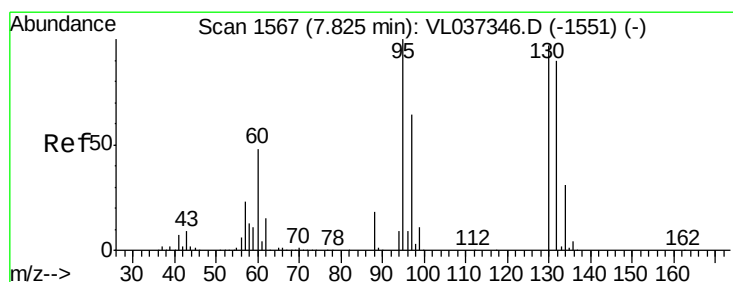
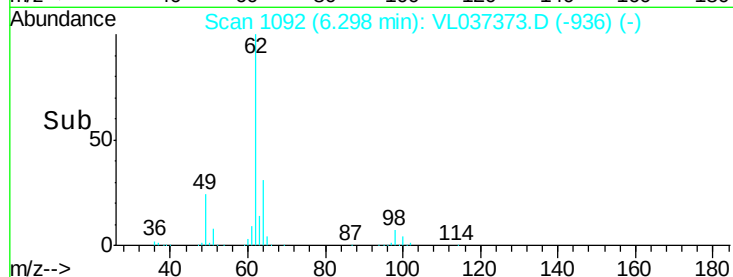
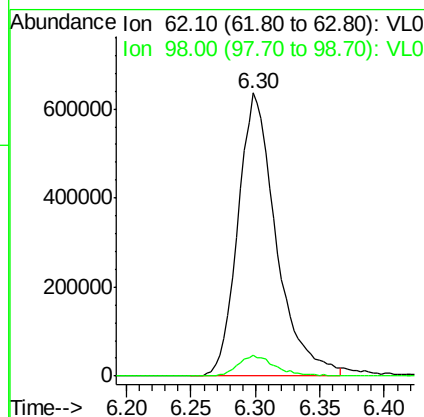
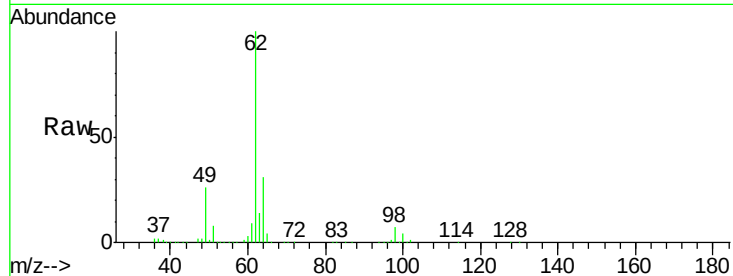
#37
 1,2-Dichloroethane
 Concen: 11.506 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1312283
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.6 8.4

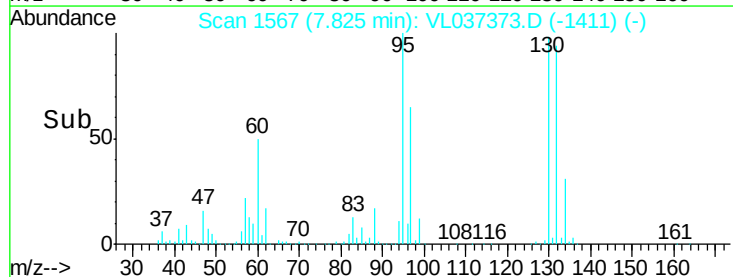
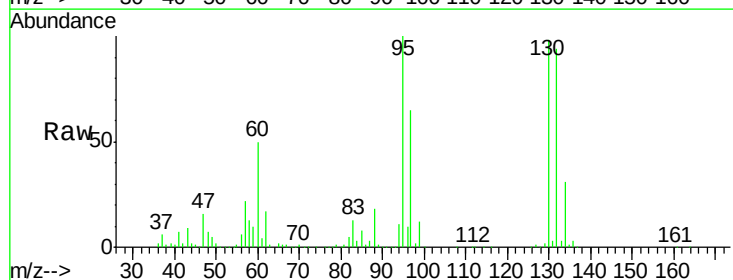
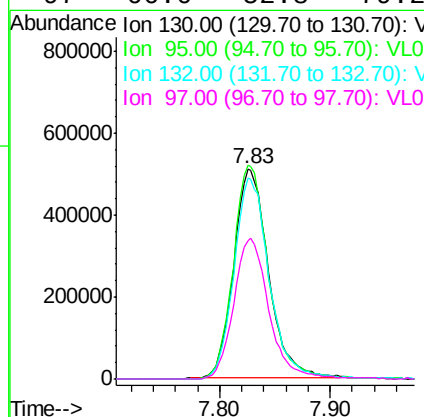
Manual Integrations
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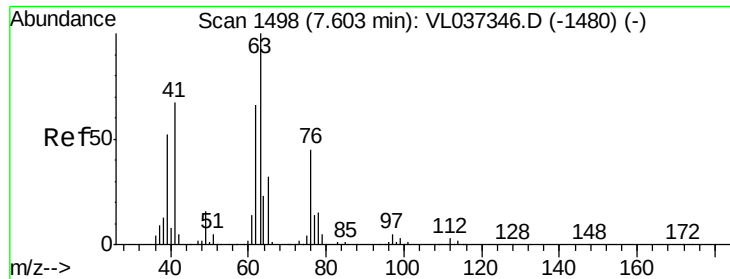
MMDadoda
 8/10/2021 6:11:01 PM



#38
 Trichloroethene
 Concen: 10.449 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion:130 Resp: 1116527
 Ion Ratio Lower Upper
 130 100
 95 102.0 82.8 124.2
 132 96.3 74.9 112.3
 97 66.0 52.8 79.2





#39

1,2-Dichloropropane

Concen: 11.802 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

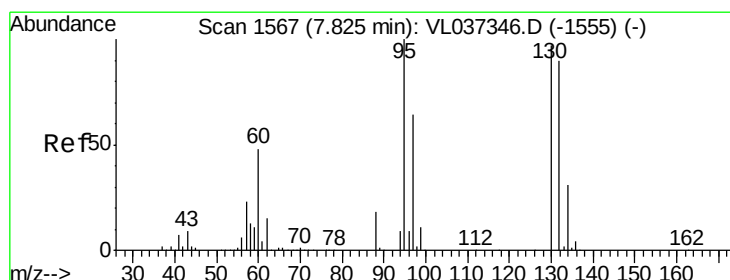
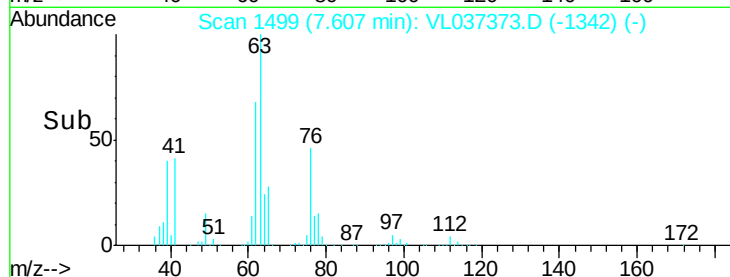
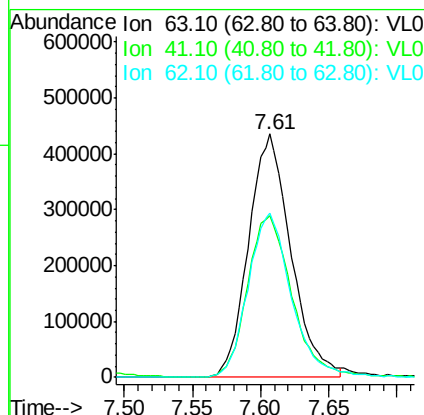
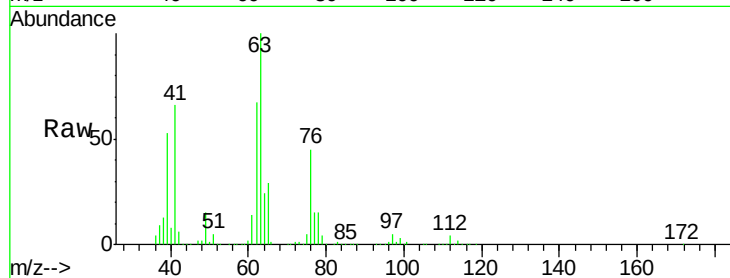
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	937869
Ion	Ratio	Lower	Upper
63	100		
41	65.9	53.9	80.9
62	67.5	53.0	79.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.325 ppbv

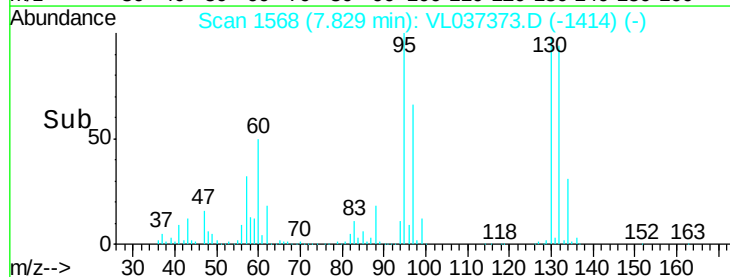
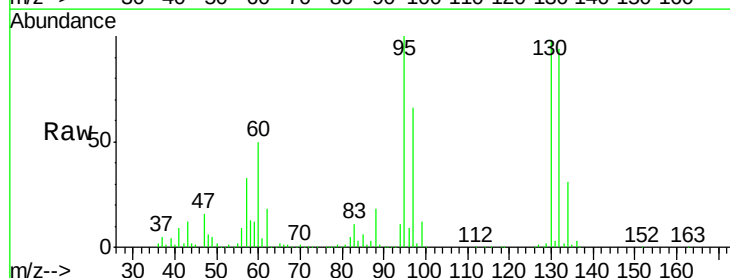
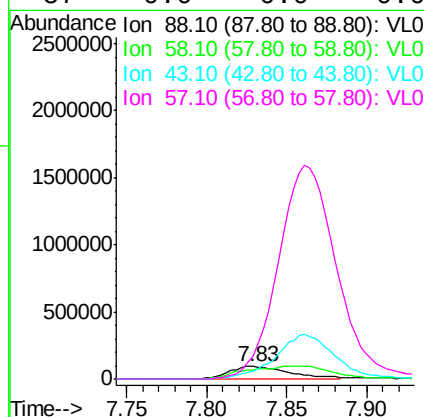
RT: 7.83 min Scan# 1568

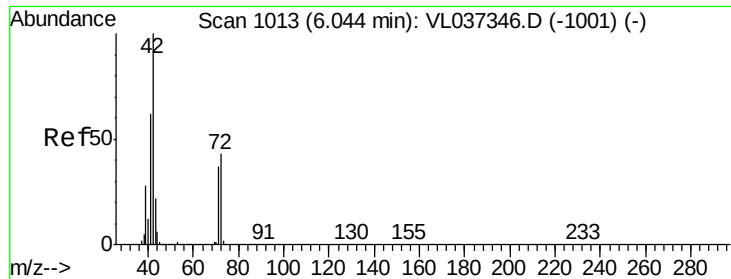
Delta R.T. -0.01 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion:	88	Resp:	240877
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





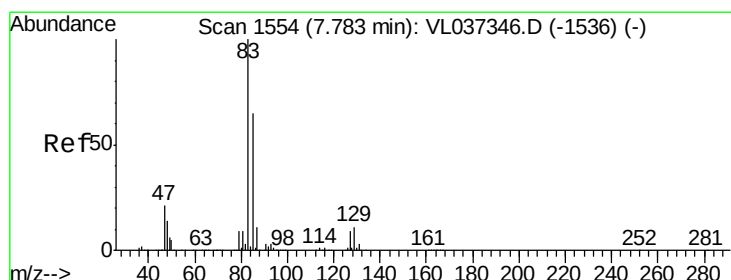
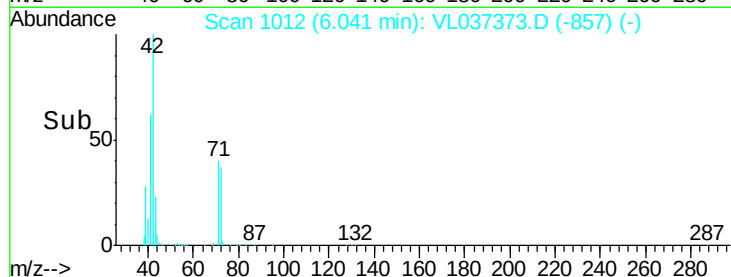
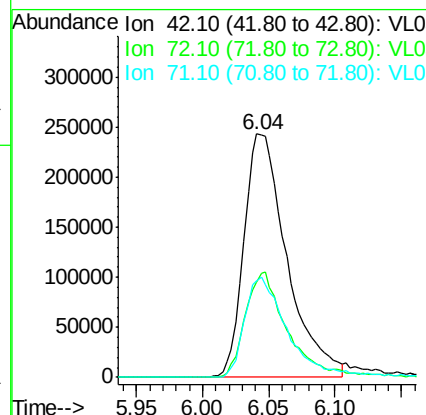
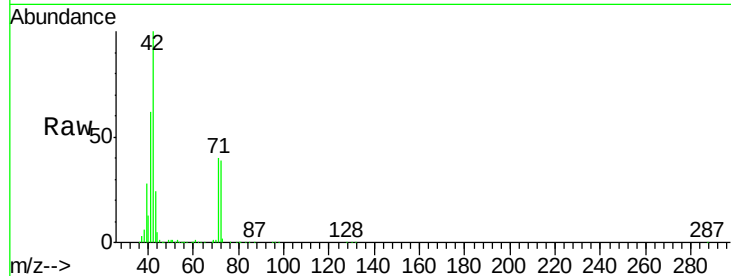
#41
Tetrahydrofuran
Concen: 11.669 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.6	53.4
71	42.1	33.8	50.6

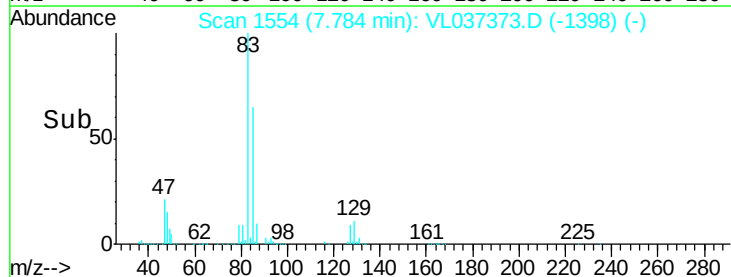
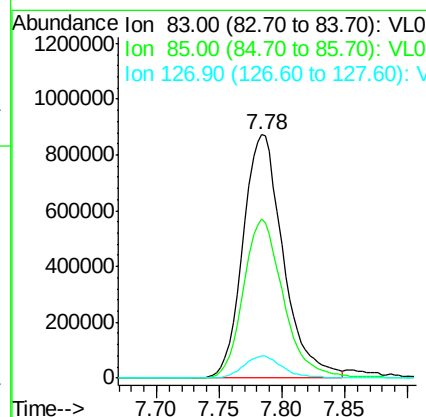
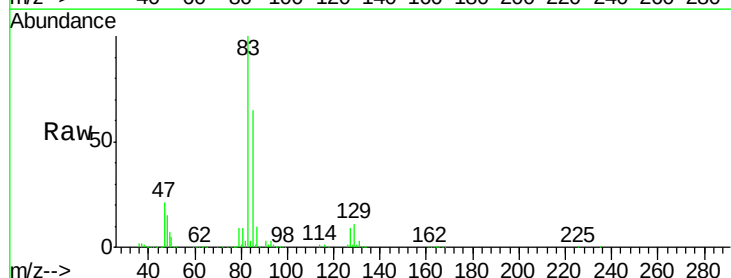
Manual Integrations
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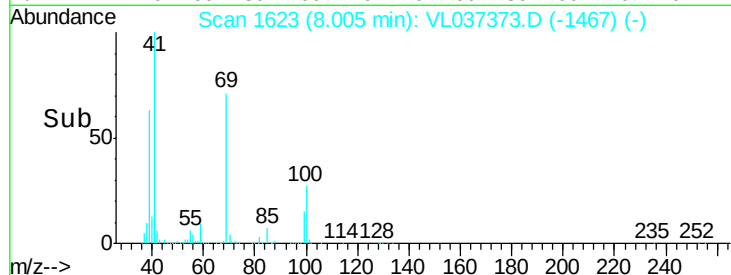
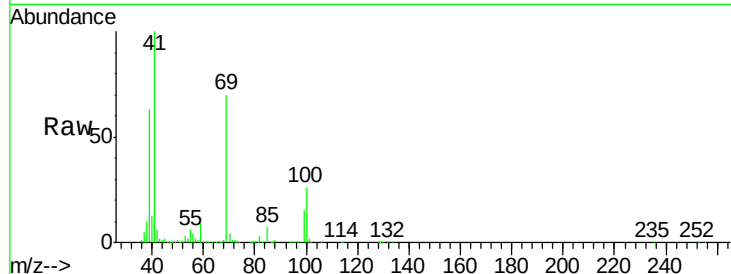
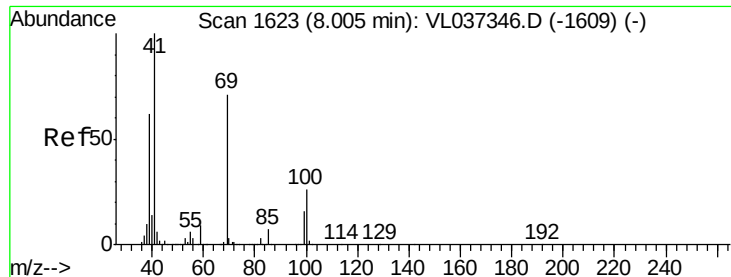
MMDadoda
8/10/2021 6:11:01 PM



#42
Bromodichloromethane
Concen: 11.900 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.1	78.1
127	9.1	7.0	10.6





#43

Methyl Methacrylate

Concen: 12.848 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VL037373.D

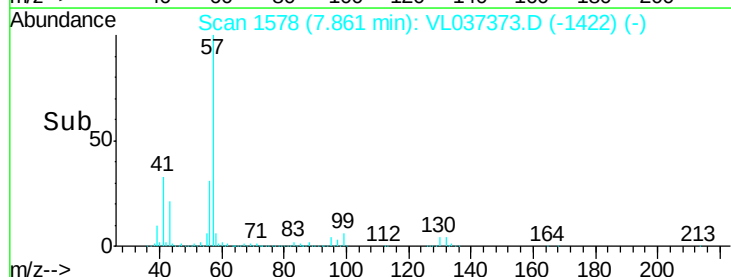
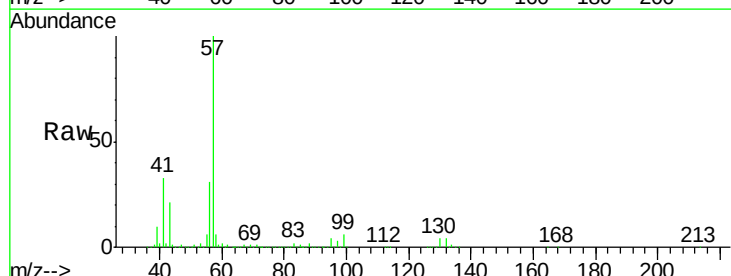
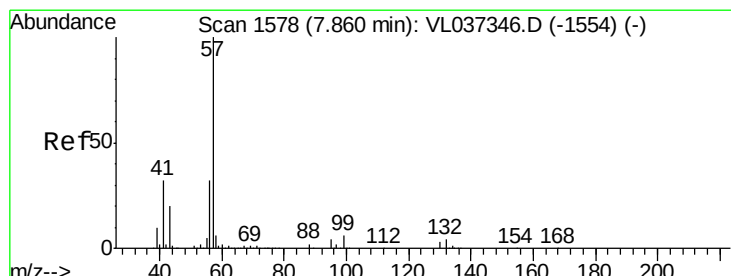
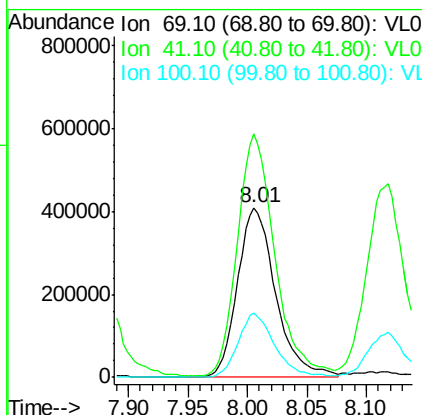
Acq: 7 Aug 2021 10:36

Tot Ion	Ratio	Lower	Upper
69	100		
41	140.9	115.0	172.4
100	36.4	30.1	45.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations
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8/10/2021 6:11:01 PM



#44

2,2,4-Trimethylpentane

Concen: 11.211 ppbv

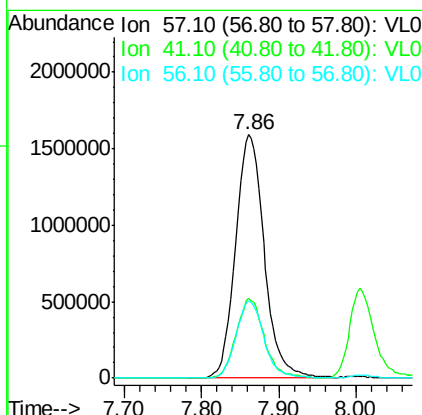
RT: 7.86 min Scan# 1578

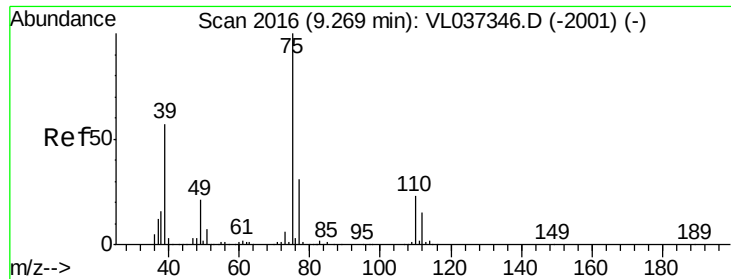
Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.9	26.1	39.1
56	30.9	25.0	37.4





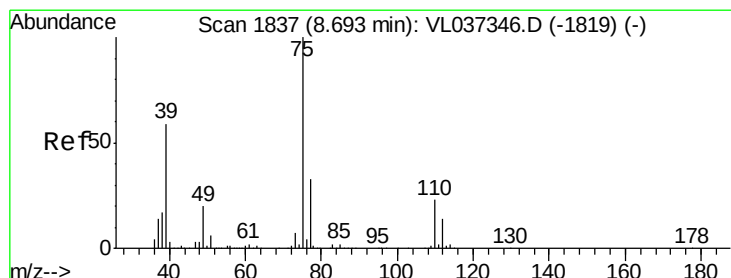
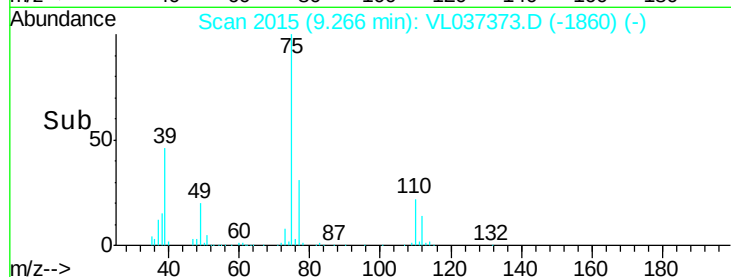
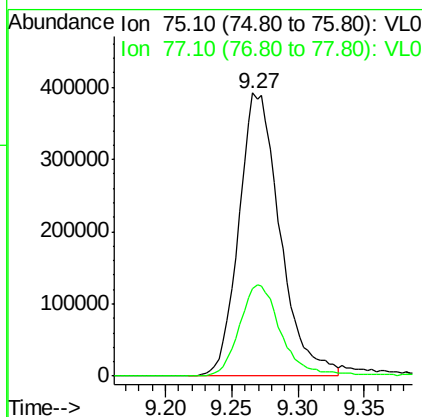
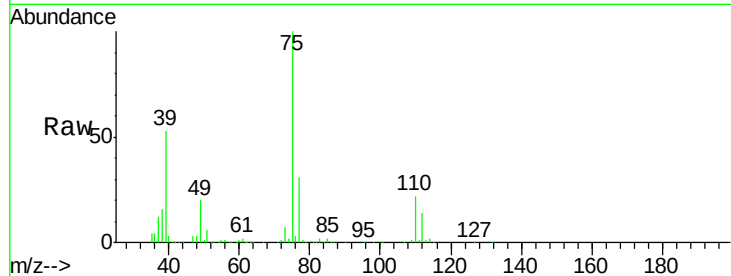
#45
 t-1,3-Dichloropropene
 Concen: 18.396 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 846552
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.7 37.1

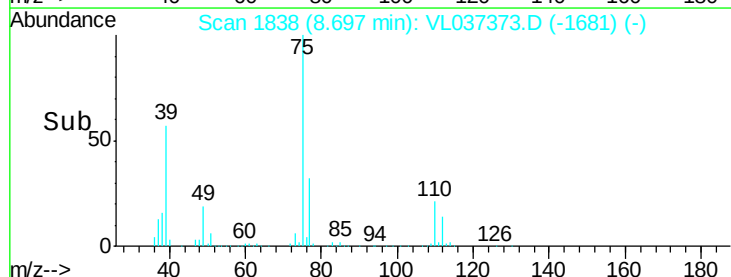
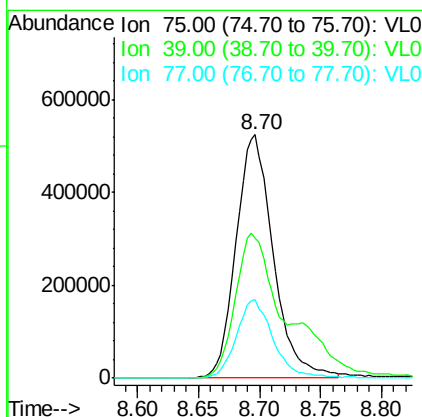
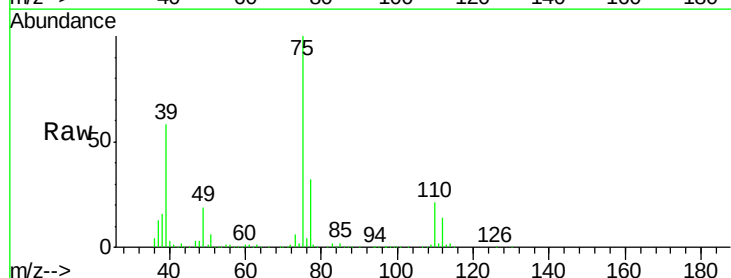
Manual Integrations
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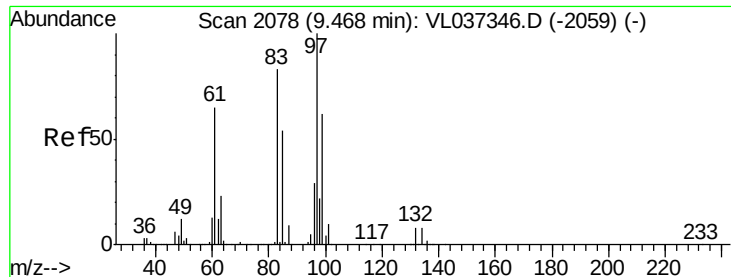
MMDadoda
 8/10/2021 6:11:01 PM



#46
 cis-1,3-Dichloropropene
 Concen: 16.930 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion: 75 Resp: 1108725
 Ion Ratio Lower Upper
 75 100
 39 57.6 47.2 70.8
 77 32.1 26.2 39.4





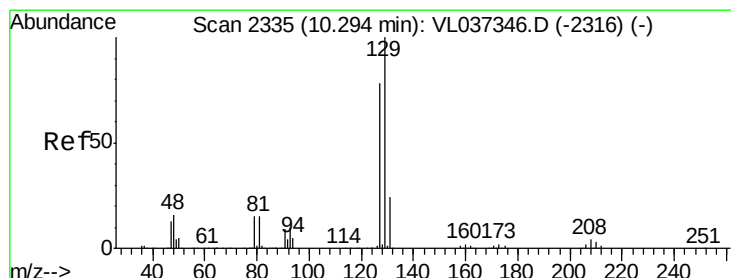
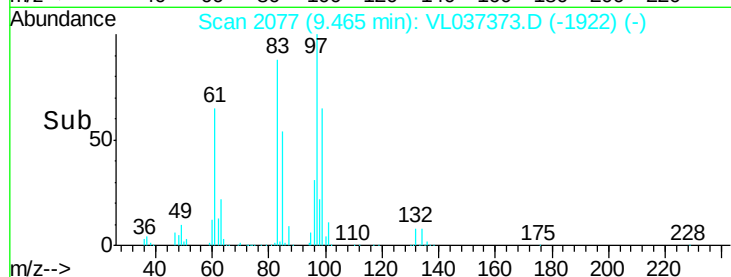
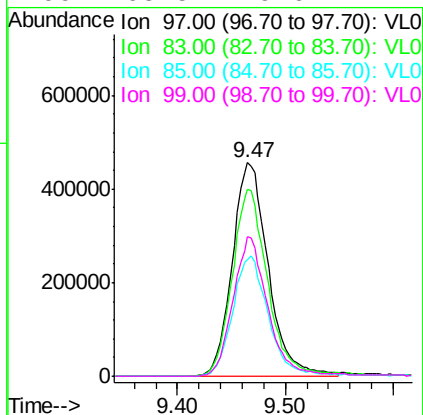
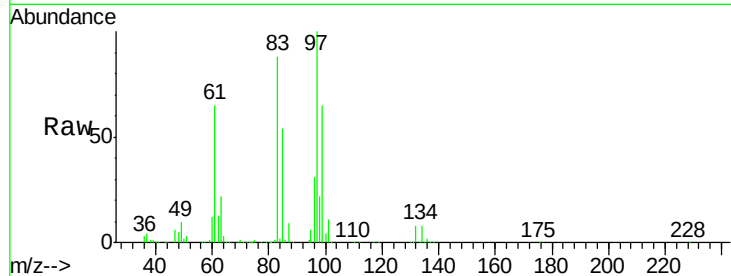
#47
 1,1,2-Trichloroethane
 Concen: 11.485 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.7	66.1	99.1	
85	54.4	43.1	64.7	
99	65.5	49.6	74.4	

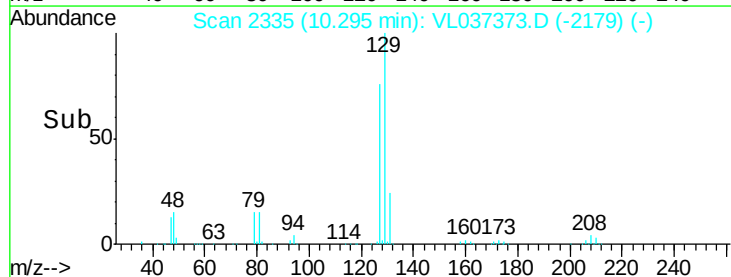
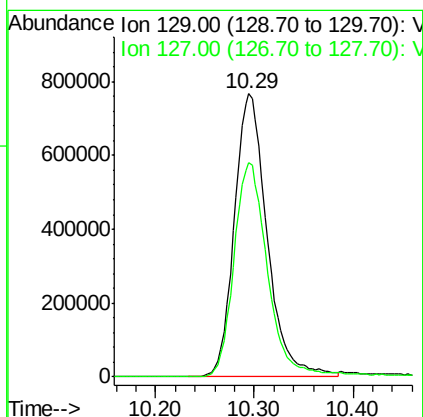
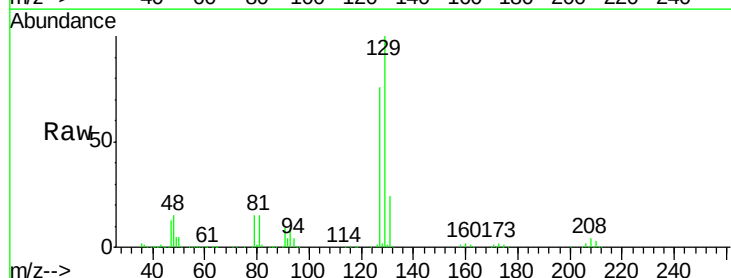
Manual Integrations
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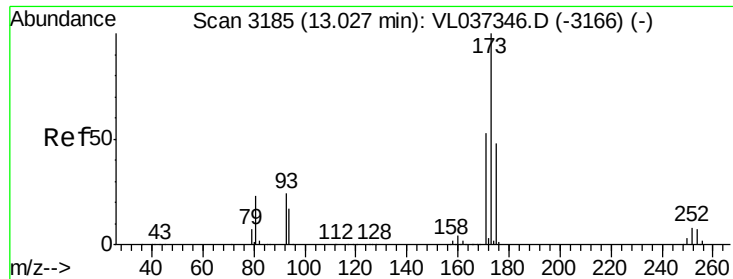
MMDadoda
 8/10/2021 6:11:01 PM



#48
 Dibromochloromethane
 Concen: 12.511 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.8	39.3	117.8	





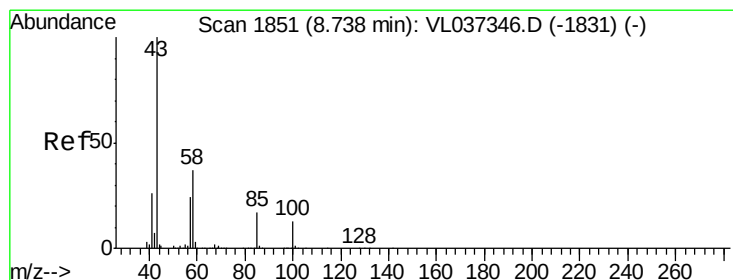
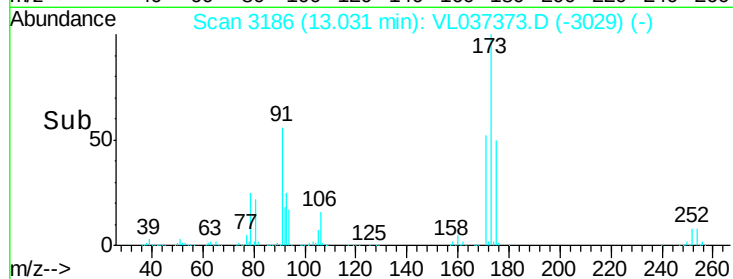
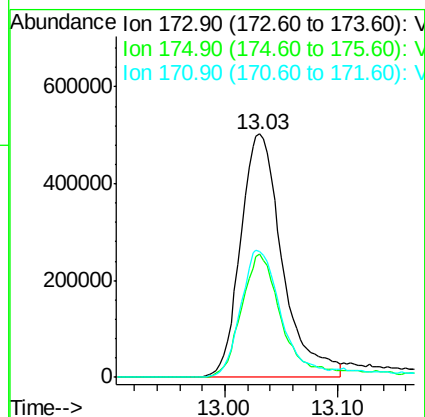
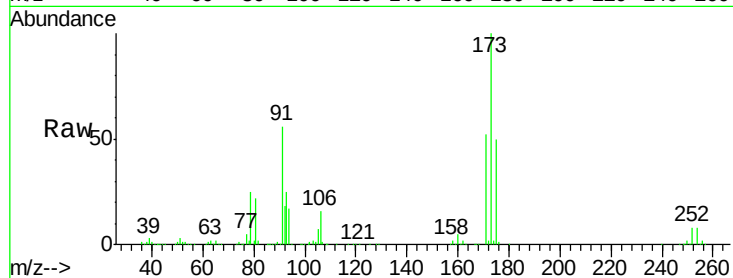
#49
Bromoform
Concen: 12.486 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1295198
Ion Ratio Lower Upper
173 100
175 54.0 39.6 59.4
171 57.1 42.2 63.4

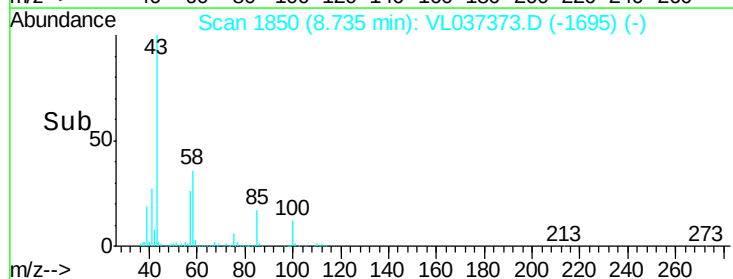
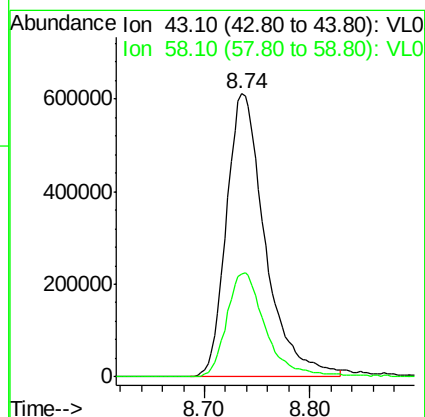
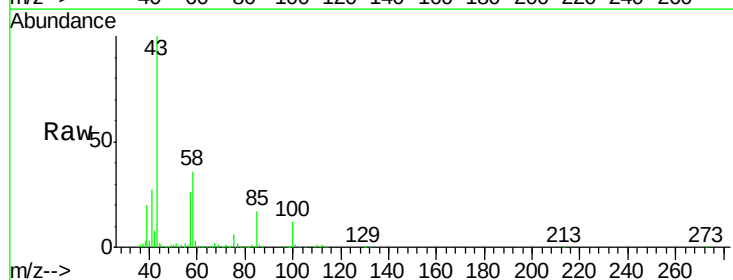
Manual Integrations
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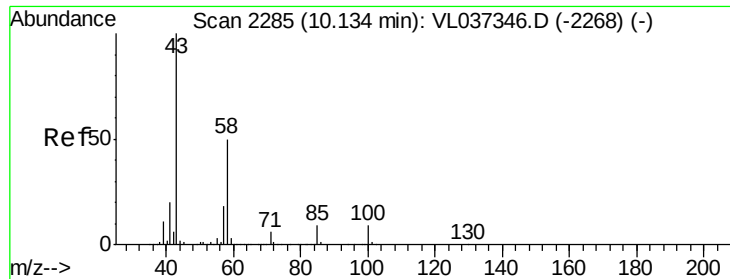
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.846 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 43 Resp: 1552130
Ion Ratio Lower Upper
43 100
58 37.6 29.9 44.9





#51

2-Hexanone

Concen: 11.326 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

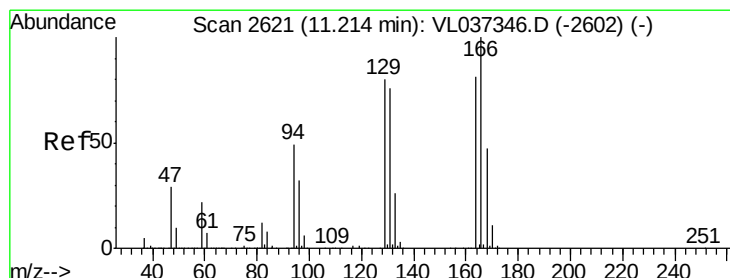
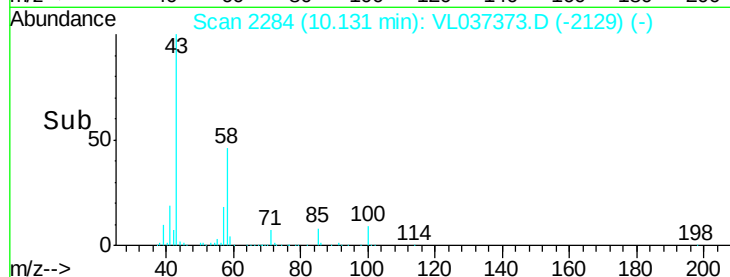
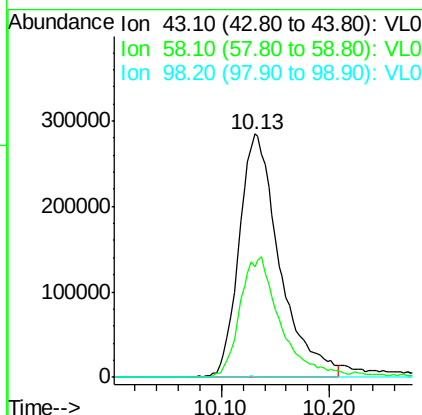
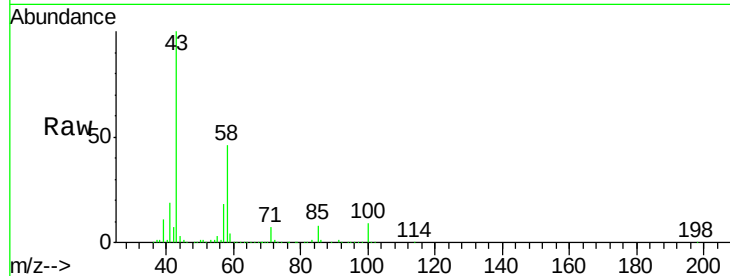
ClientSampleId :

VSTDCCC010EC

Tot Ion:	43	Resp:	743591
Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.0	61.6
98	0.6	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 10.274 ppbv

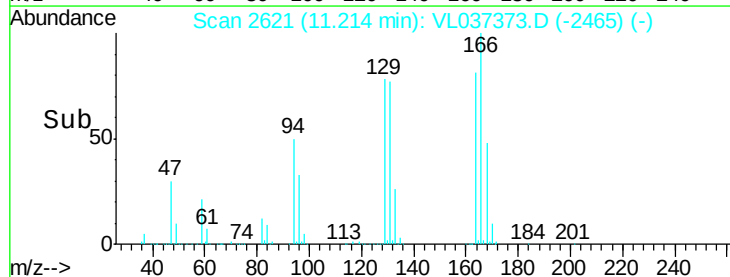
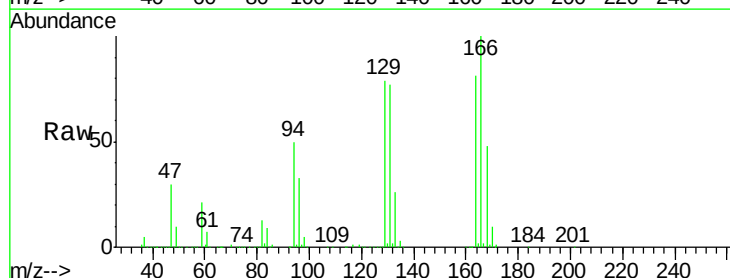
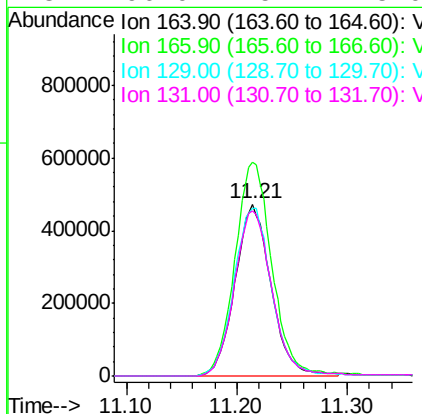
RT: 11.21 min Scan# 2621

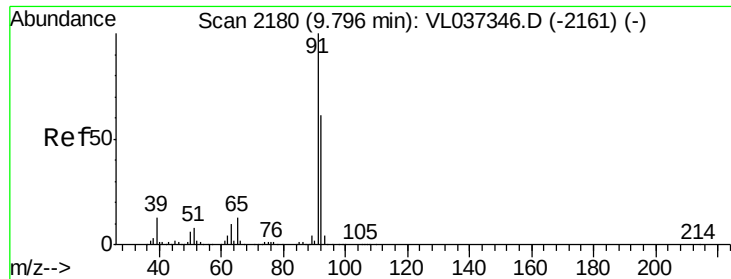
Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion:	164	Resp:	1068589
Ion	Ratio	Lower	Upper
164	100		
166	124.0	99.4	149.0
129	97.5	79.2	118.8
131	96.0	75.4	113.0





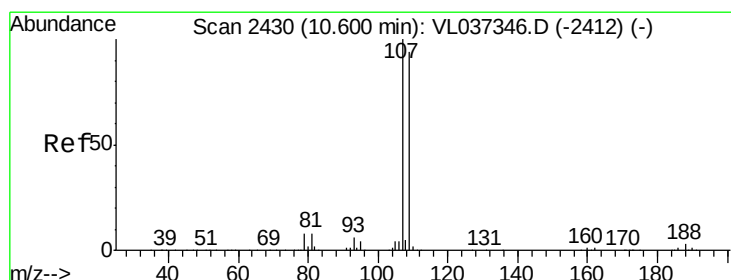
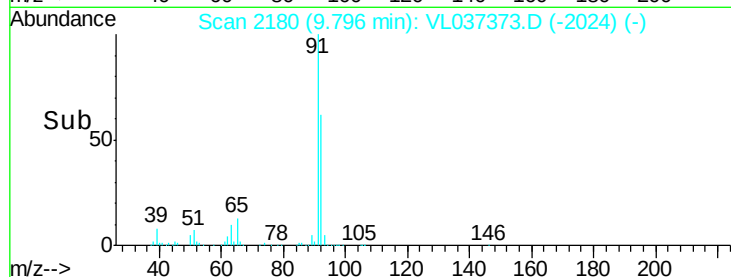
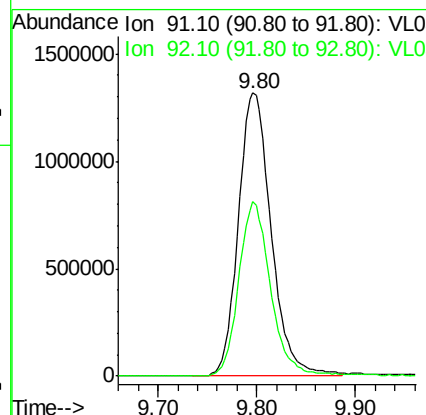
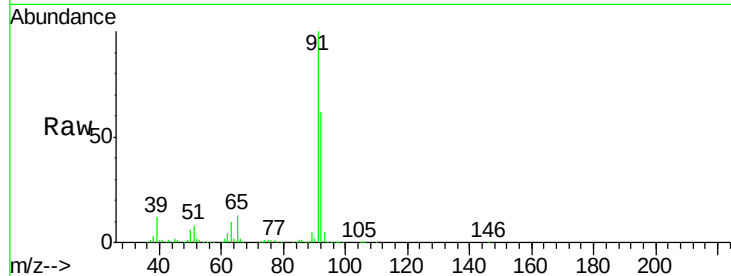
#53
Toluene
Concen: 11.989 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3047765
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

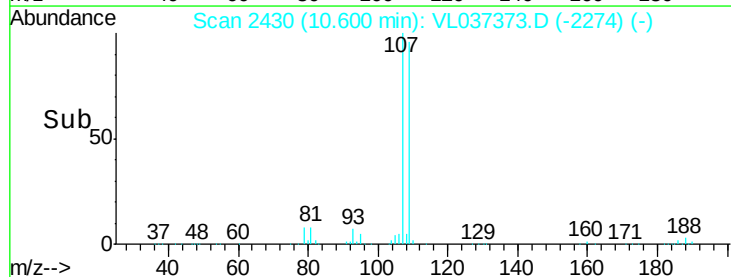
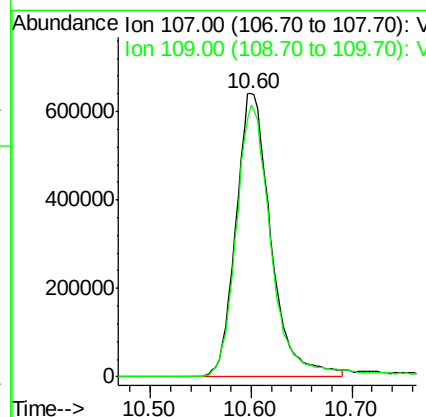
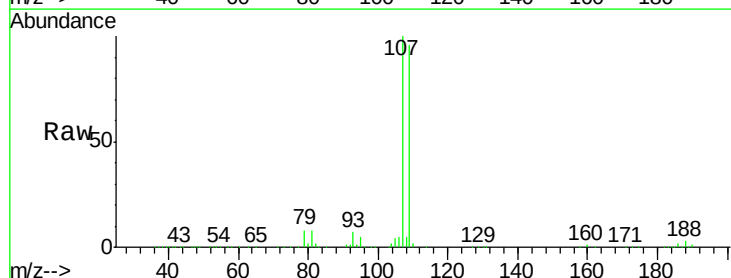
Manual Integrations
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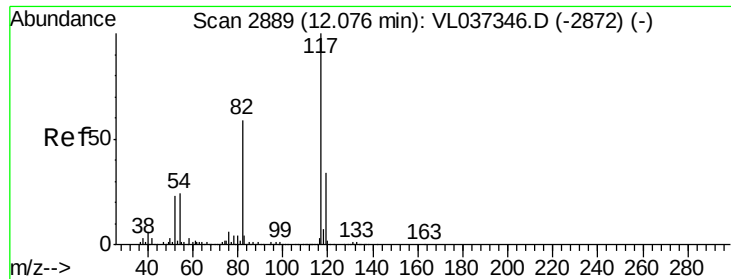
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#54
1,2-Dibromoethane
Concen: 12.181 ppbv
RT: 10.60 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 107 Resp: 1544736
Ion Ratio Lower Upper
107 100
109 95.9 75.1 112.7





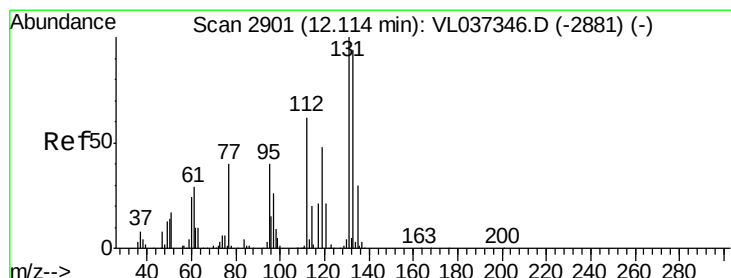
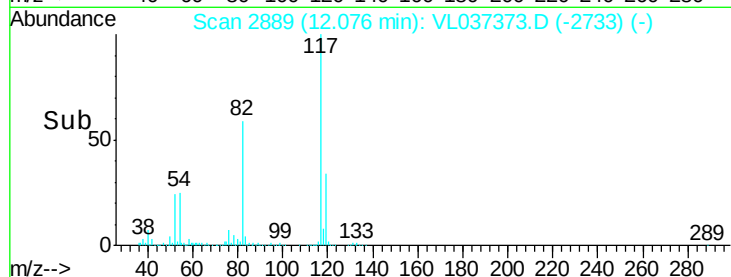
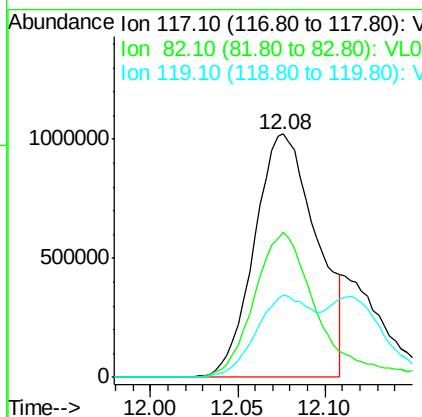
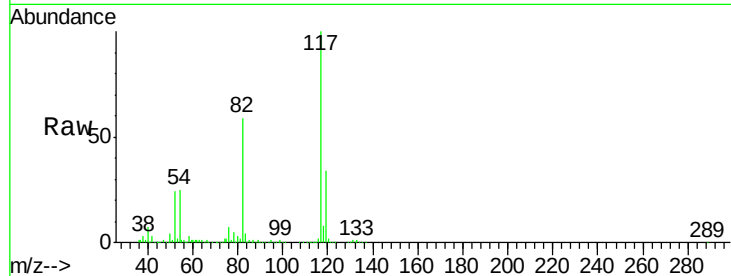
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2533598
Ion Ratio Lower Upper
117 100
82 63.6 46.0 69.0
119 32.0 24.4 36.6

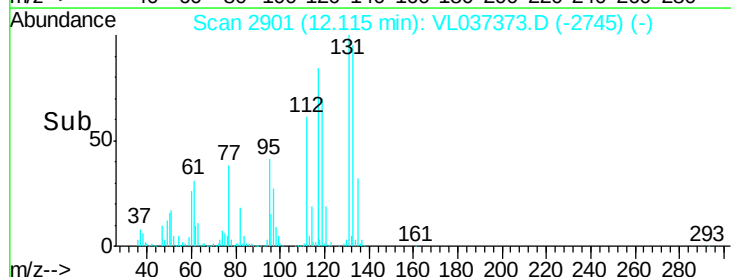
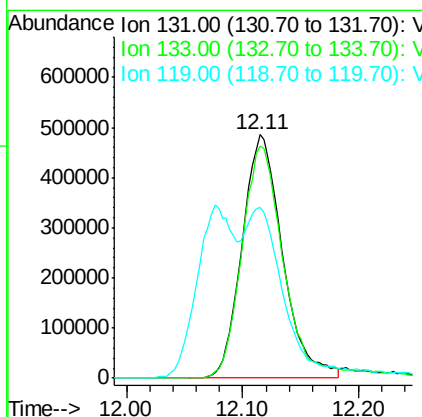
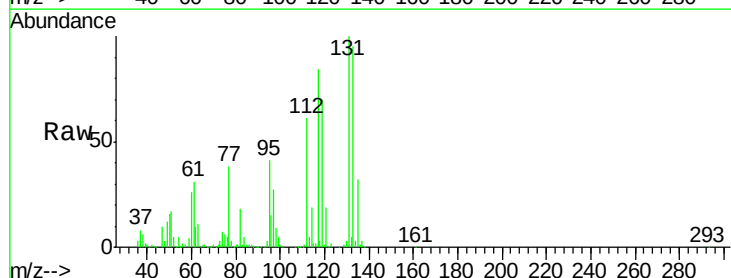
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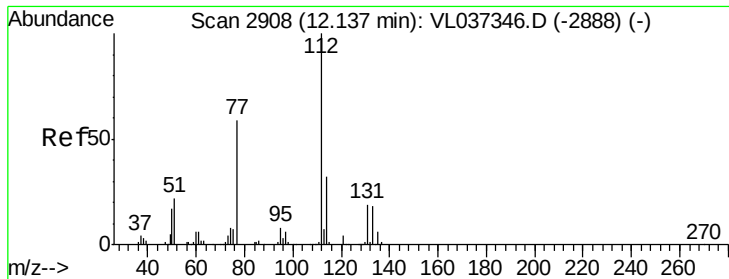
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.987 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion:131 Resp: 1179512
Ion Ratio Lower Upper
131 100
133 104.0 76.6 114.8
119 77.1 51.8 77.6





#57

Chlorobenzene

Concen: 11.138 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2211105

Ion Ratio Lower Upper

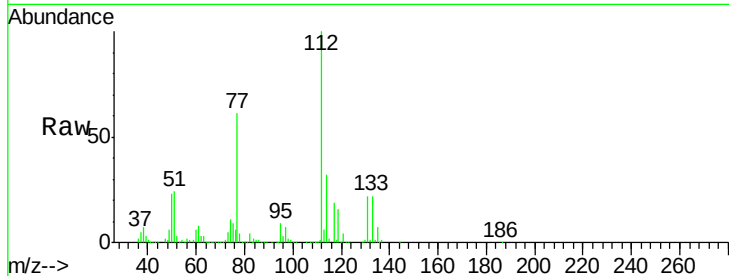
112 100

77 59.9 48.1 72.1

114 31.9 29.0 35.4

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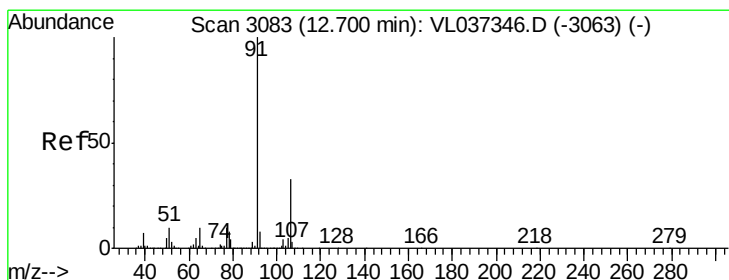
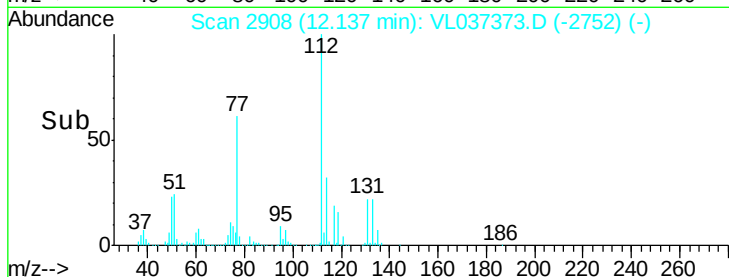
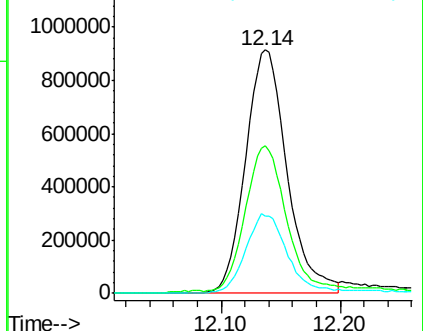
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.615 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.00 min

Lab File: VL037373.D

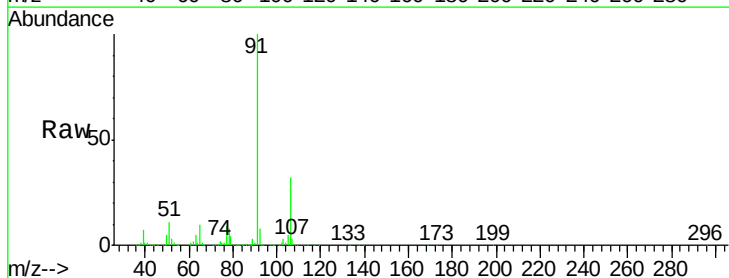
Acq: 7 Aug 2021 10:36

Tgt Ion: 91 Resp: 3846973

Ion Ratio Lower Upper

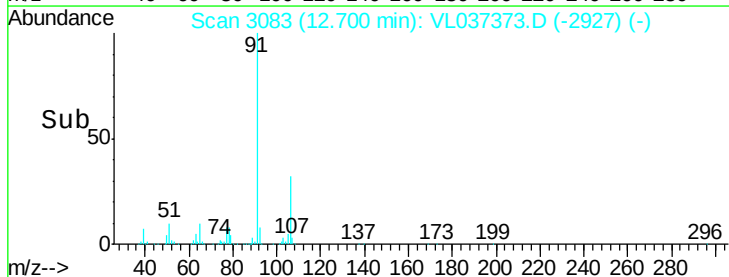
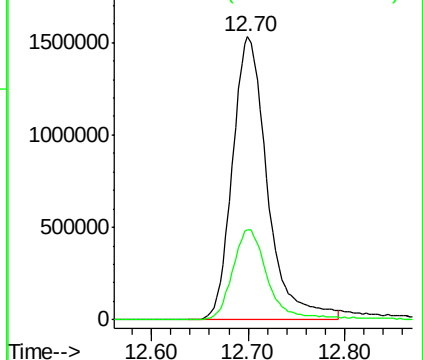
91 100

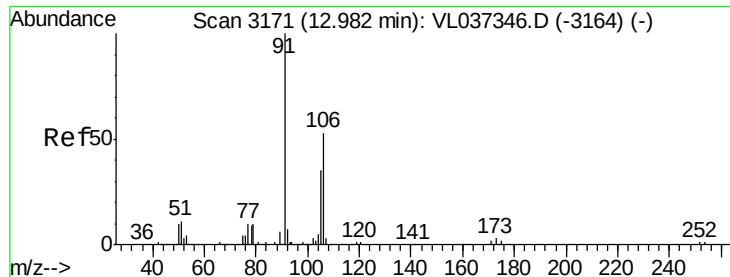
106 31.7 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





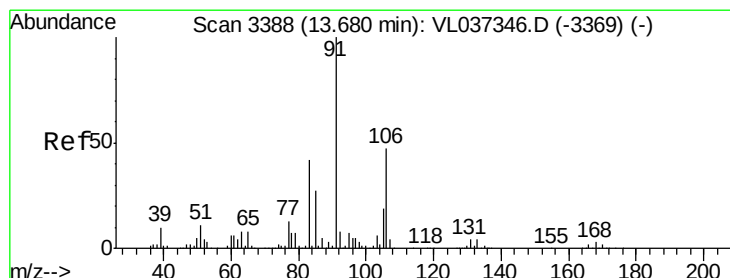
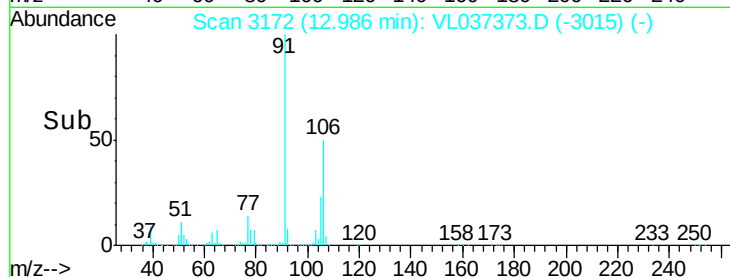
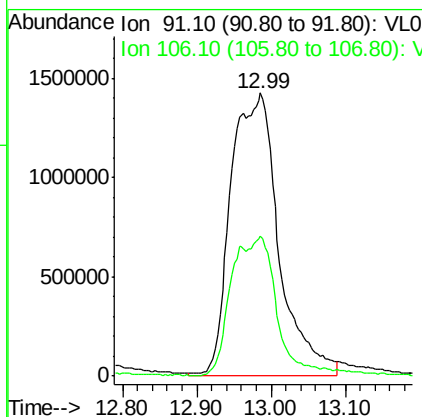
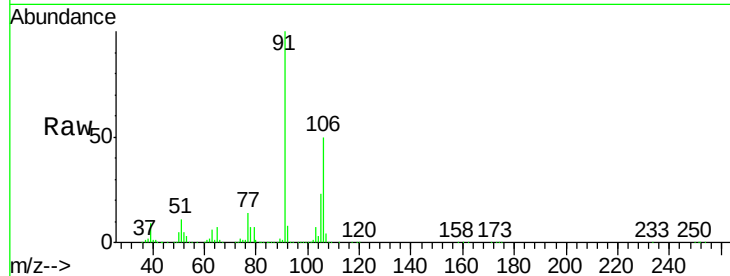
#59
m/p-Xylene
Concen: 22.293 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6420215
Ion Ratio Lower Upper
91 100
106 48.0 37.0 55.6

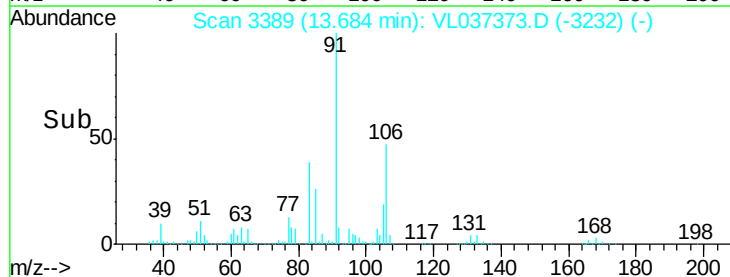
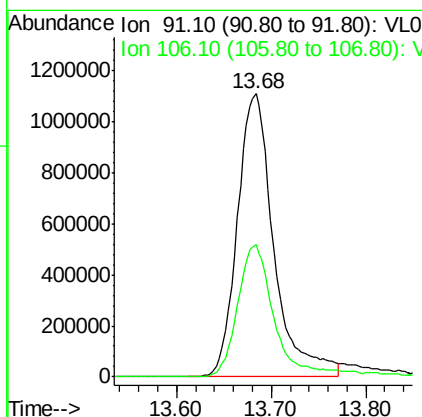
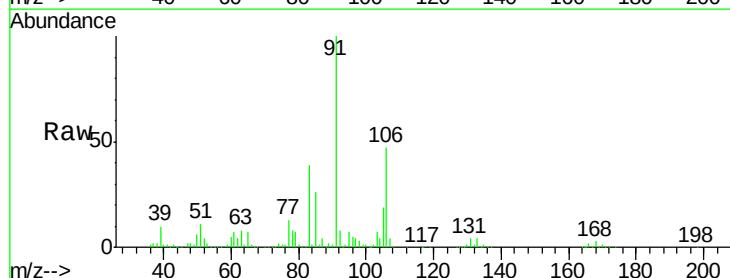
Manual Integrations
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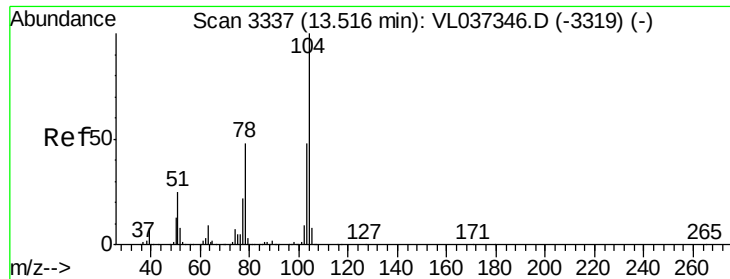
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#60
o-Xylene
Concen: 11.148 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion: 91 Resp: 2975735
Ion Ratio Lower Upper
91 100
106 48.6 23.1 69.3





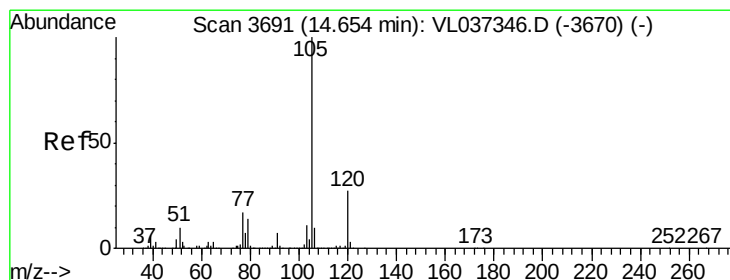
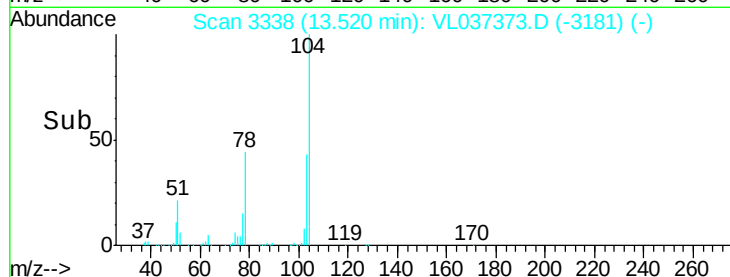
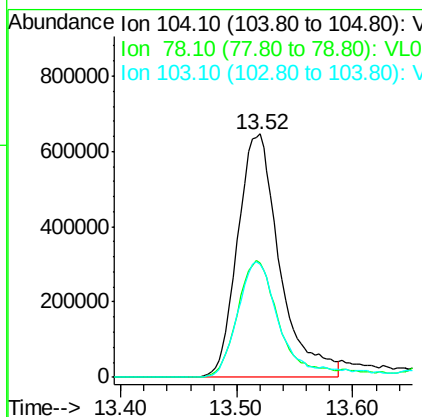
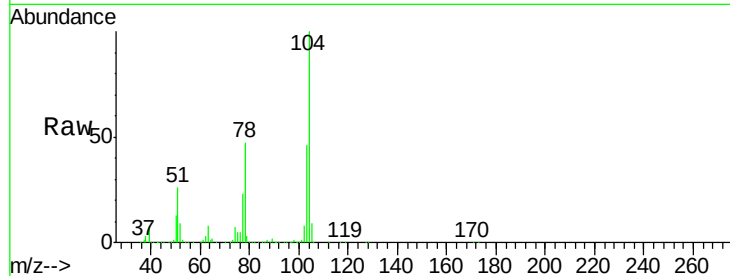
#61
Stvrene
Concen: 11.870 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	38.2	57.4
103	49.7	38.3	57.5

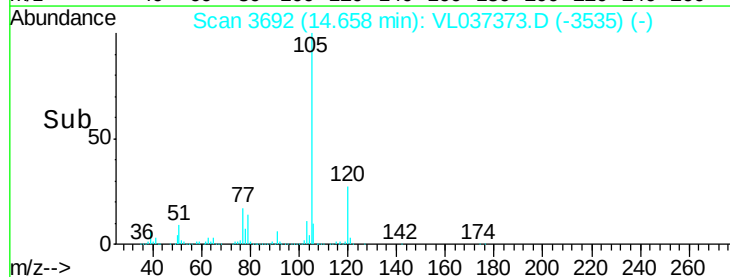
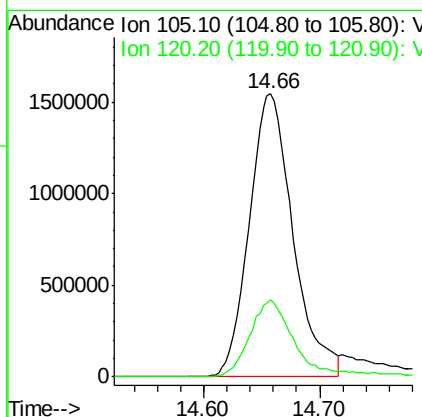
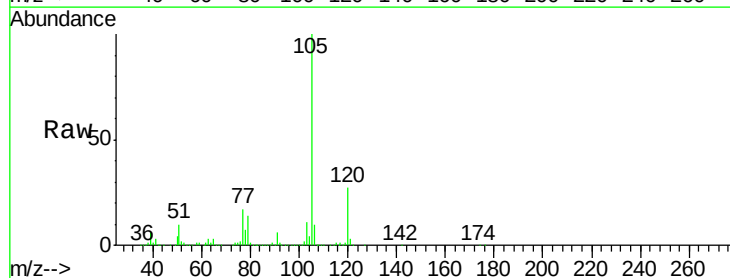
Manual Integrations
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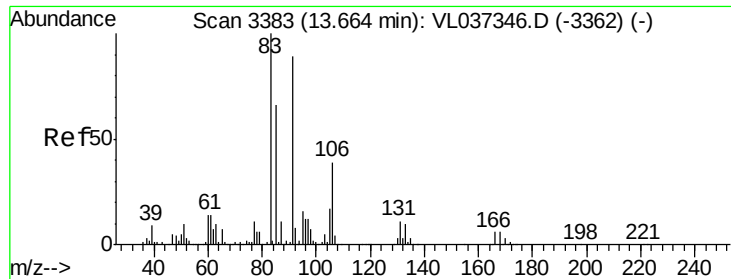
MMDadoda
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#62
Isopropylbenzene
Concen: 10.316 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.5	21.4	32.2





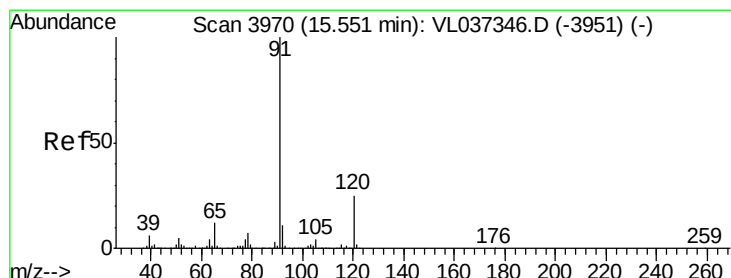
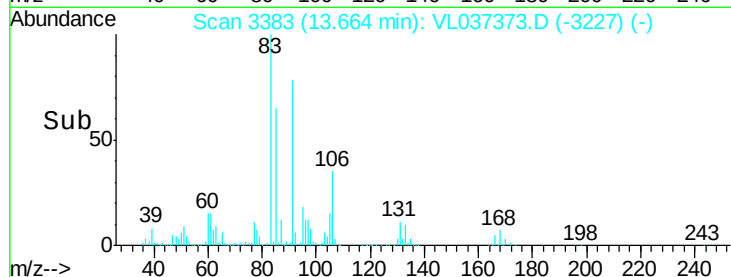
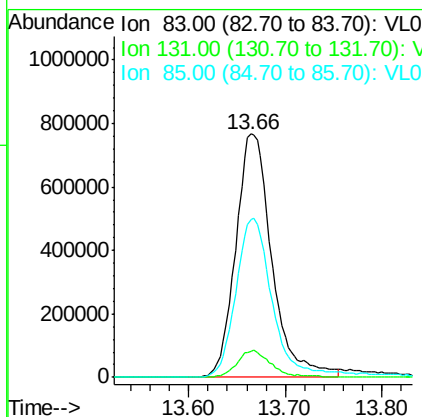
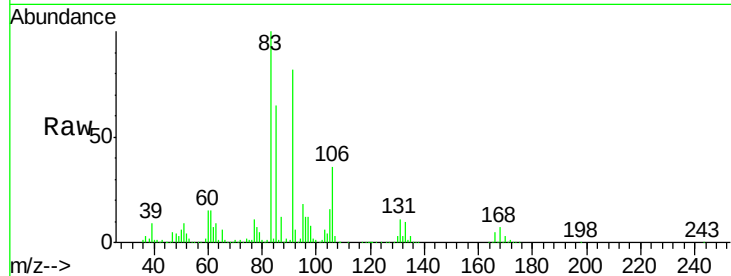
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.519 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1992413
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 67.9 33.1 99.2

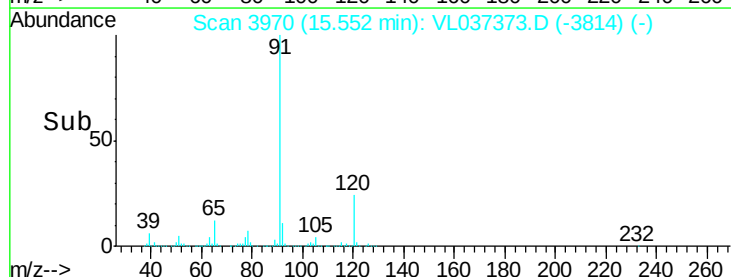
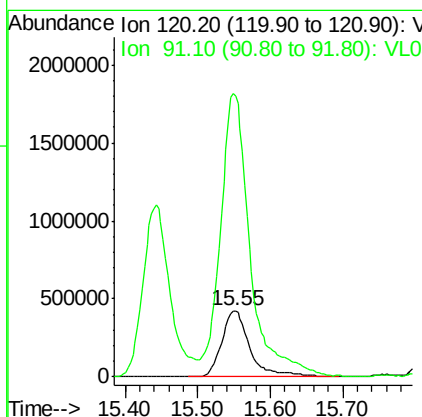
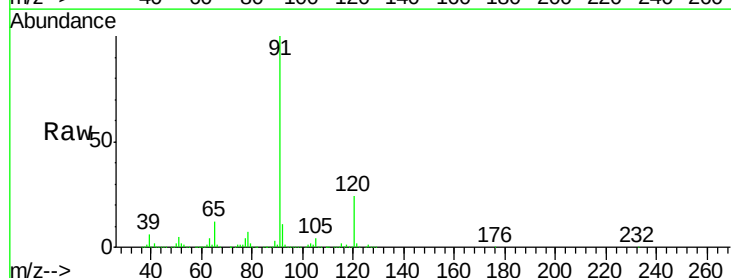
Manual Integrations
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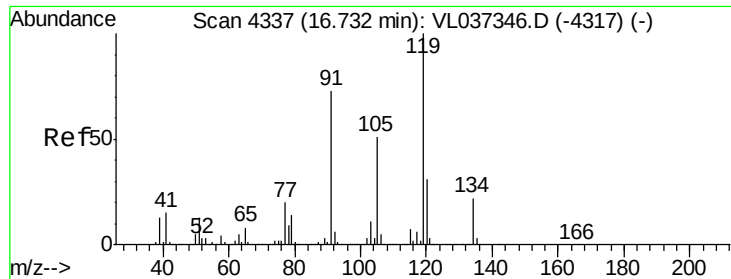
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#64
 n-propylbenzene
 Concen: 11.564 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion: 120 Resp: 1152547
 Ion Ratio Lower Upper
 120 100
 91 445.4 344.6 517.0





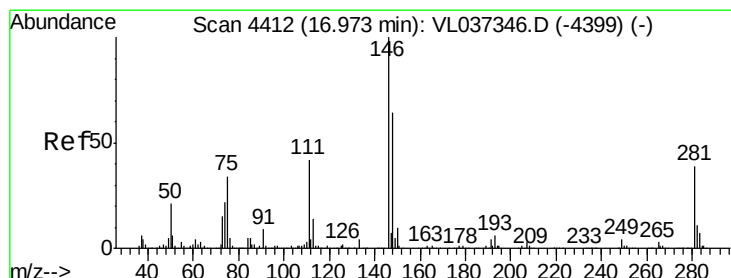
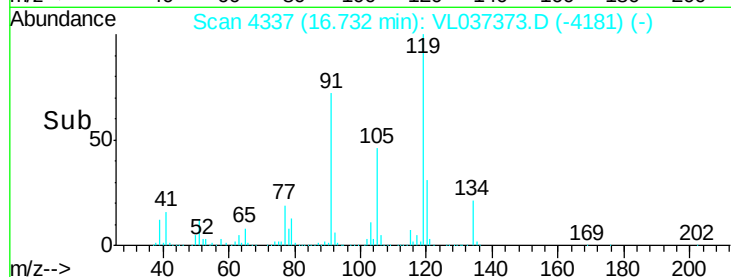
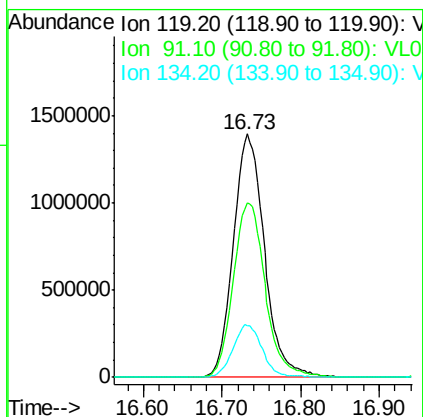
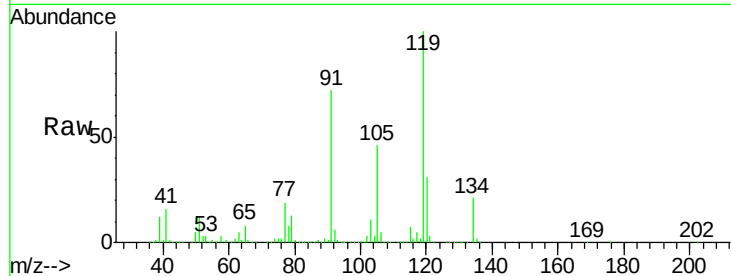
#65
 tert-Butylbenzene
 Concen: 10.691 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 3852264
 Ion Ratio Lower Upper
 119 100
 91 74.0 59.6 89.4
 134 20.4 16.6 24.8

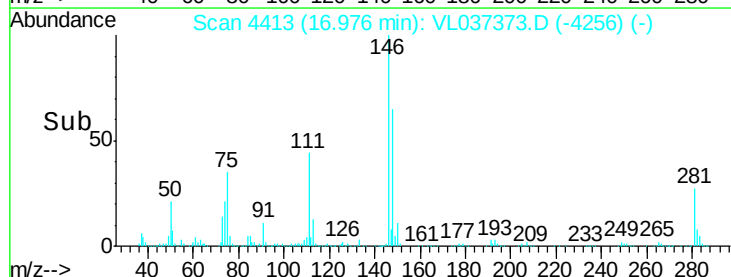
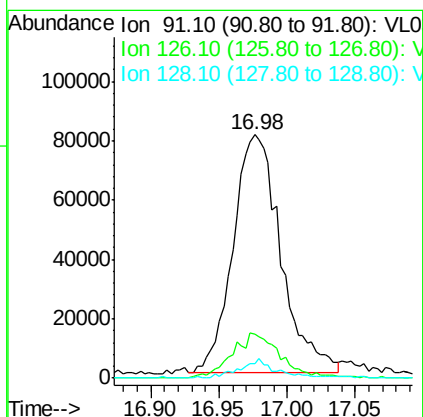
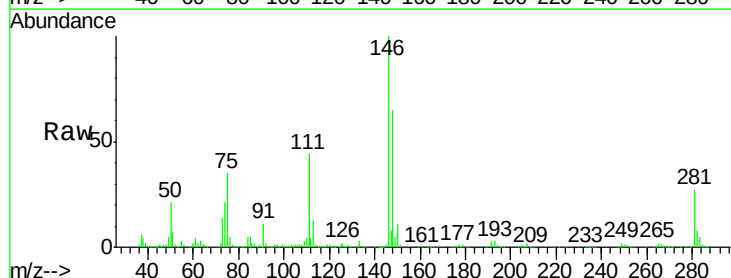
Manual Integrations
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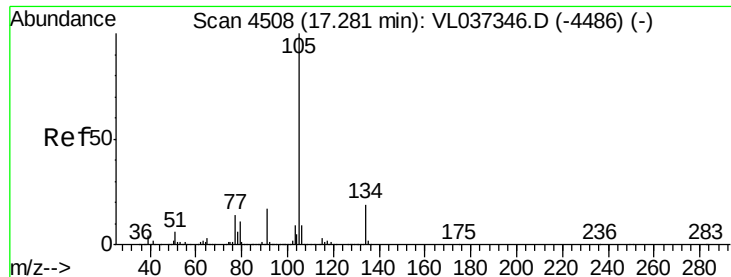
MMDadoda
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#66
 Benzyl Chloride
 Concen: 13.525 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Tgt Ion: 91 Resp: 193965
 Ion Ratio Lower Upper
 91 100
 126 19.3 19.2 28.8
 128 6.7 5.8 8.6





#67

sec-Butylbenzene

Concen: 10.900 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5199584

Ion Ratio Lower Upper

105 100

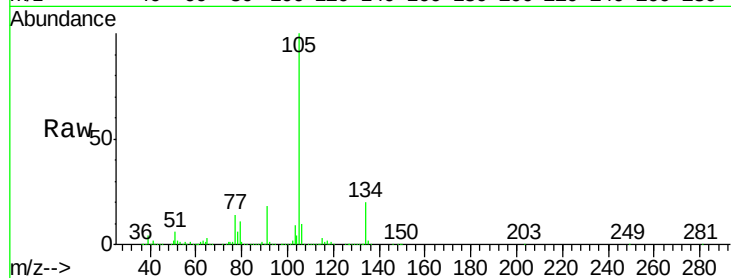
134 19.6 15.6 23.4

Manual Integrations

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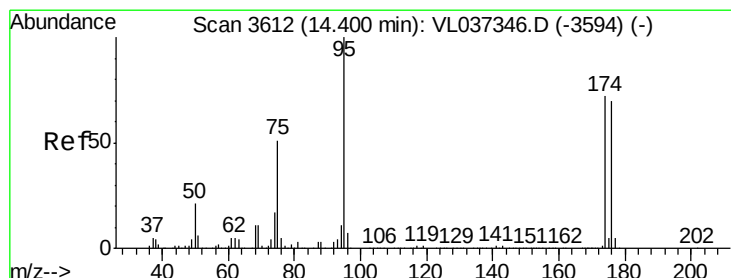
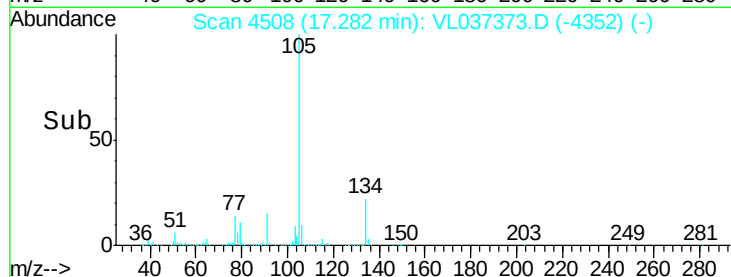
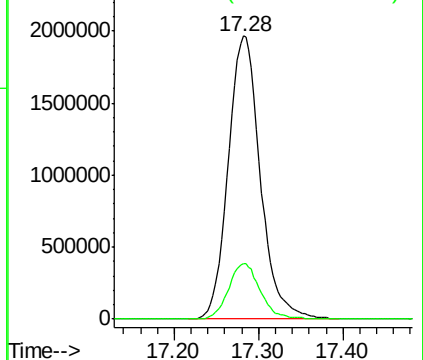
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.663 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

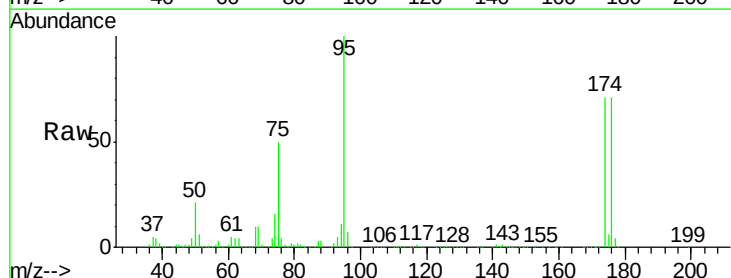
Tgt Ion: 95 Resp: 1724596

Ion Ratio Lower Upper

95 100

174 83.2 60.8 91.2

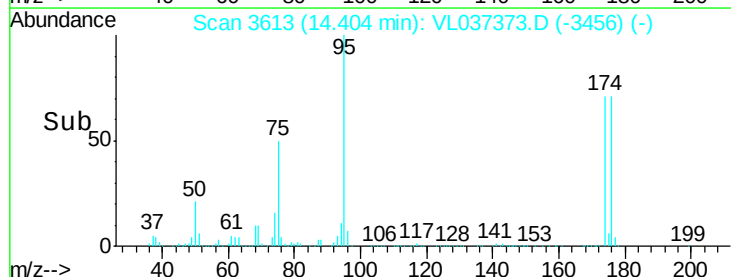
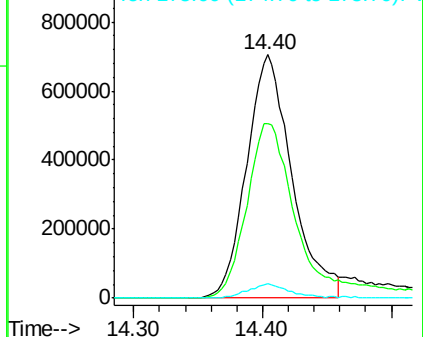
175 5.7 4.3 6.5

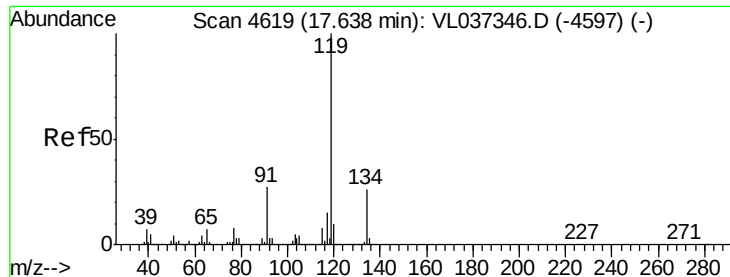


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 11.163 ppbv

RT: 17.64 min Scan# 4620

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4598733

Ion Ratio Lower Upper

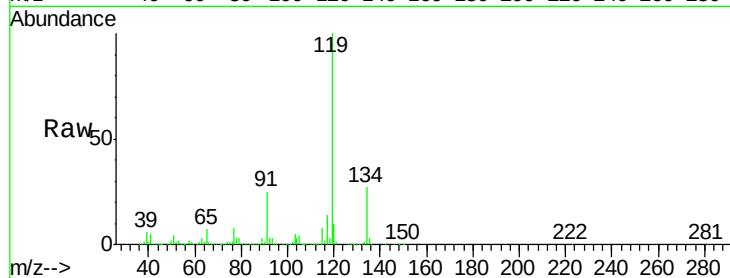
119 100

134 26.3 20.8 31.2

91 26.1 21.0 31.6

Manual Integrations
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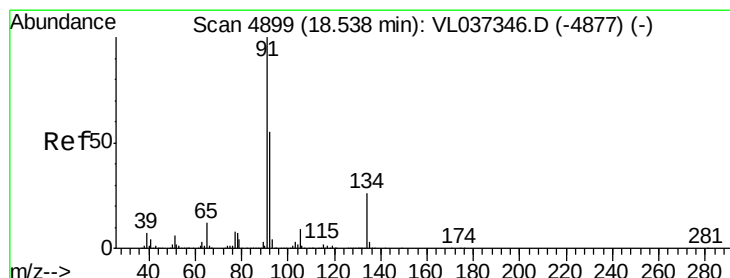
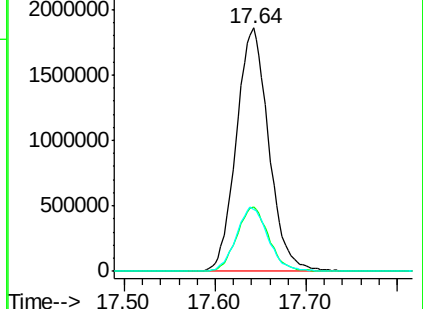
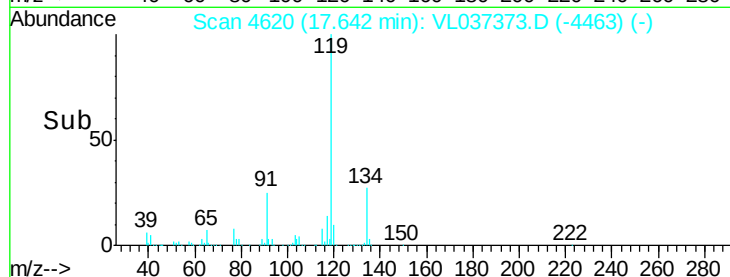
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 11.848 ppbv

RT: 18.54 min Scan# 4898

Delta R.T. -0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

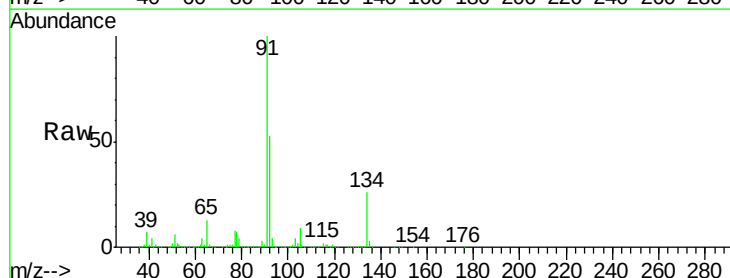
Tgt Ion: 91 Resp: 4356044

Ion Ratio Lower Upper

91 100

92 54.2 43.5 65.3

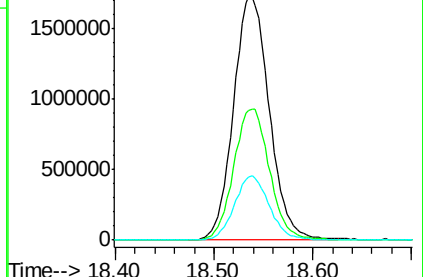
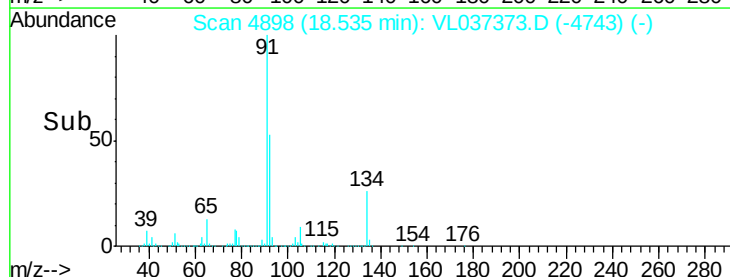
134 25.8 20.4 30.6

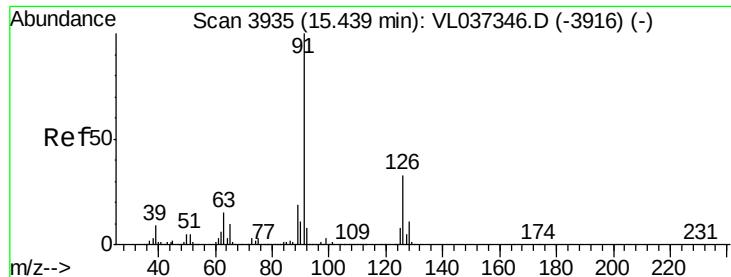


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.870 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2866043

Ion Ratio Lower Upper

91 100

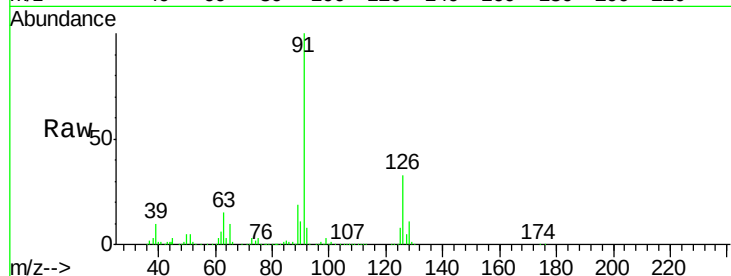
126 36.3 13.4 53.6

Manual Integrations

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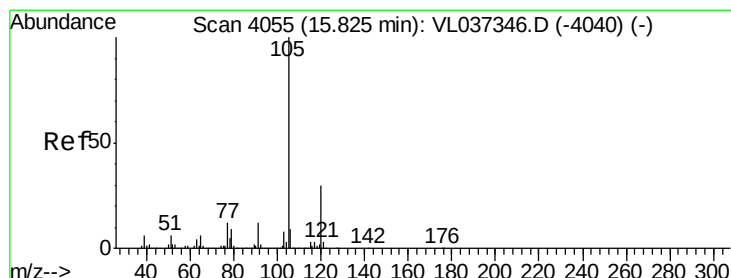
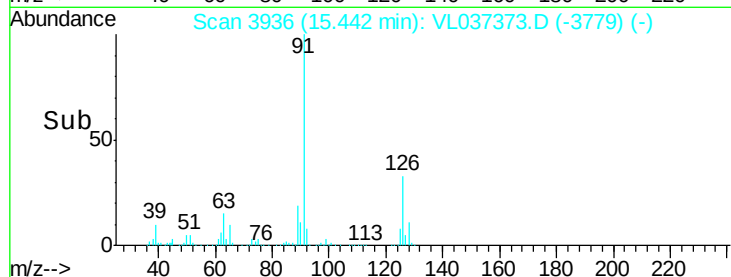
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

15.44

15.50

Time-->



#72

4-Ethyltoluene

Concen: 11.893 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion:105 Resp: 3754444

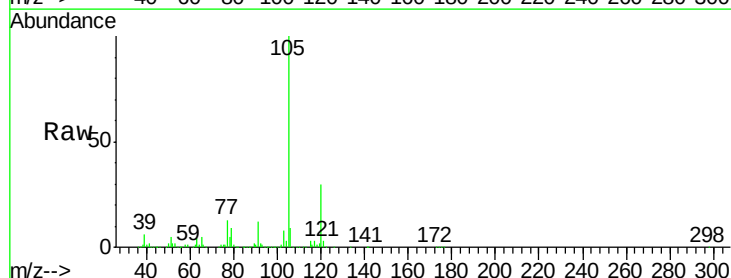
Ion Ratio Lower Upper

105 100

120 30.2 24.4 36.6

91 11.4 9.8 14.6

77 12.3 9.9 14.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

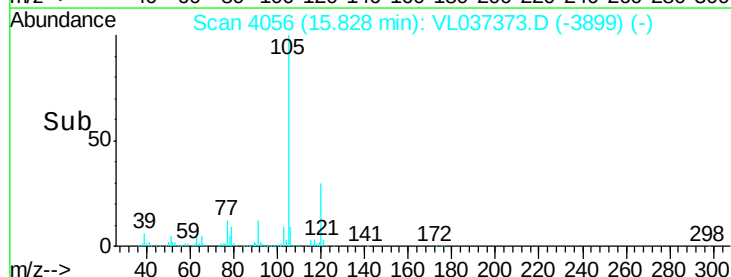
Ion 91.10 (90.80 to 91.80): VL0

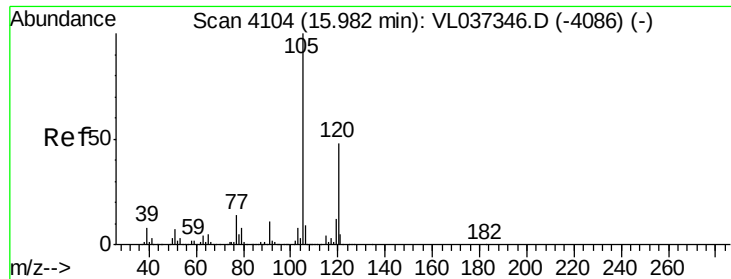
Ion 77.10 (76.80 to 77.80): VL0

15.83

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 11.127 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3317189

Ion Ratio Lower Upper

105 100

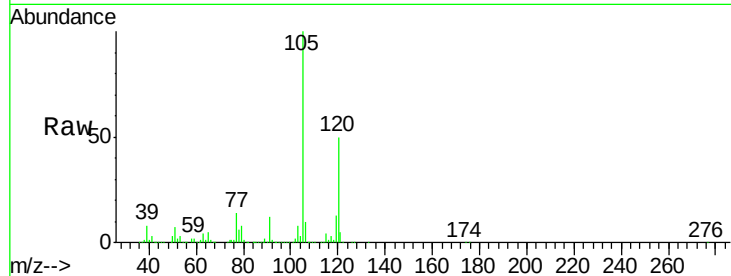
120 49.8 38.1 57.1

Manual Integrations

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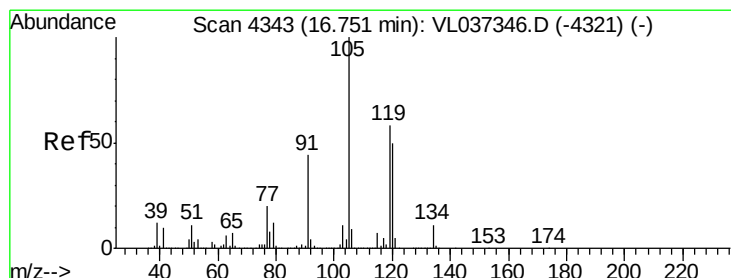
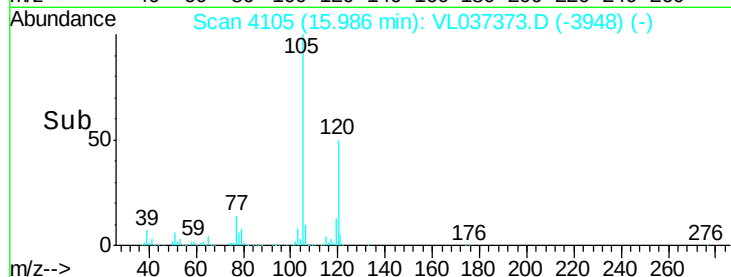
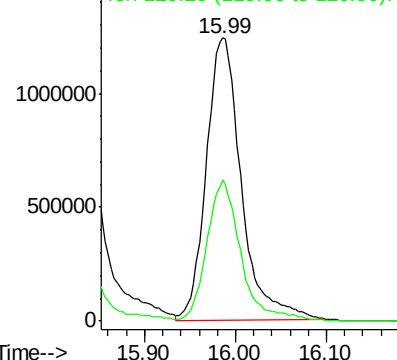
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.057 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Tgt Ion:105 Resp: 3460128

Ion Ratio Lower Upper

105 100

120 48.7 39.7 59.5

91 40.3 35.0 52.6

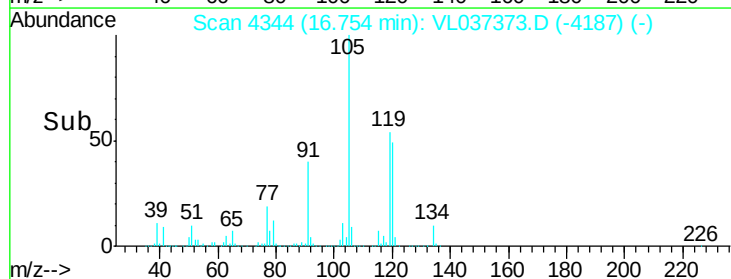
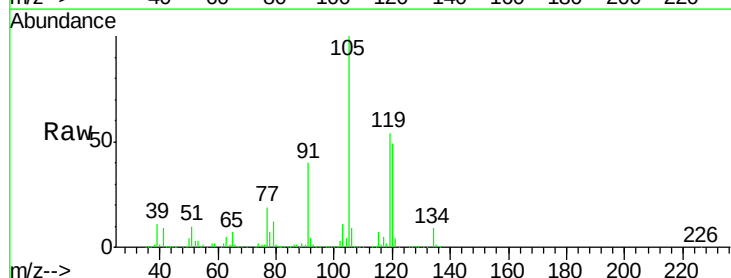
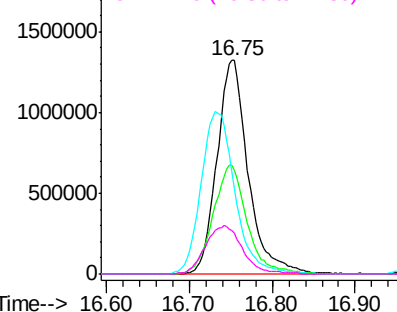
77 18.9 16.1 24.1

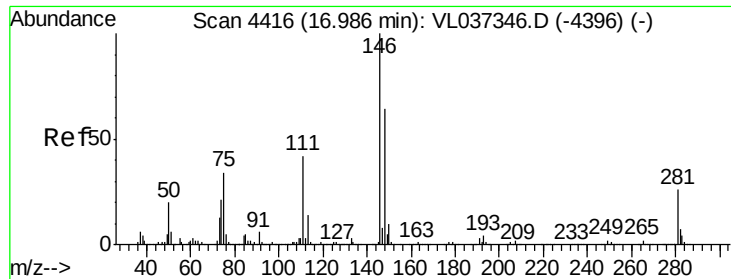
Abundance Ion 105.10 (104.80 to 105.80): V

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: 11.110 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2200634

Ion Ratio Lower Upper

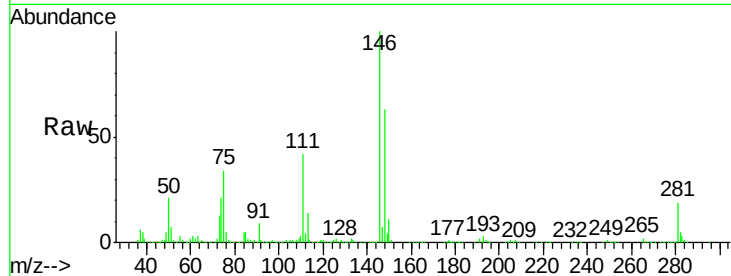
146 100

111 43.3 21.5 64.5

148 64.8 32.2 96.6

Manual Integrations
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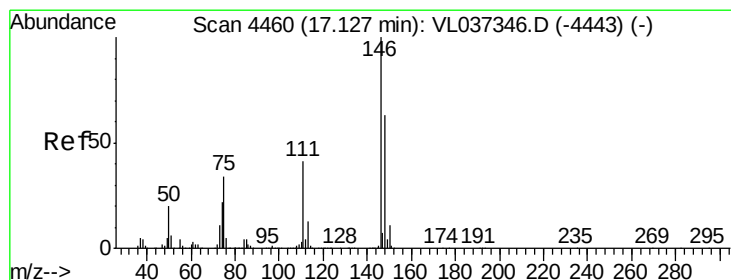
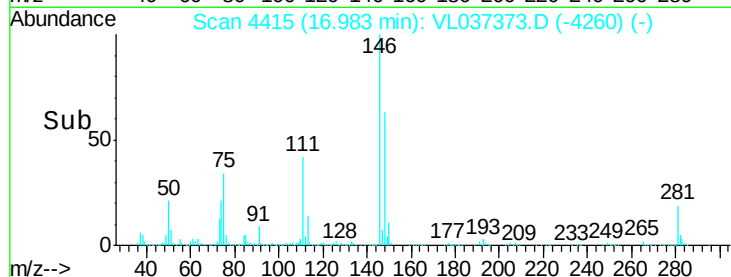
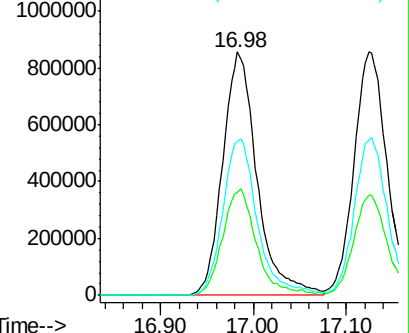
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 11.277 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

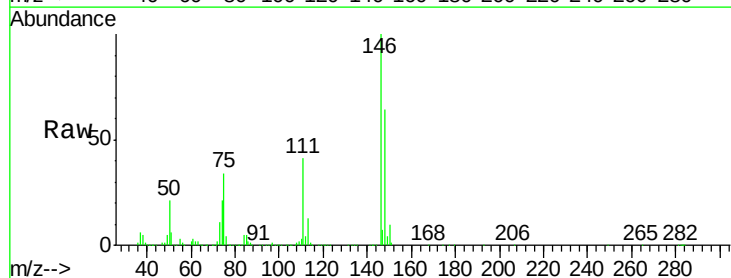
Tgt Ion:146 Resp: 2190768

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.3

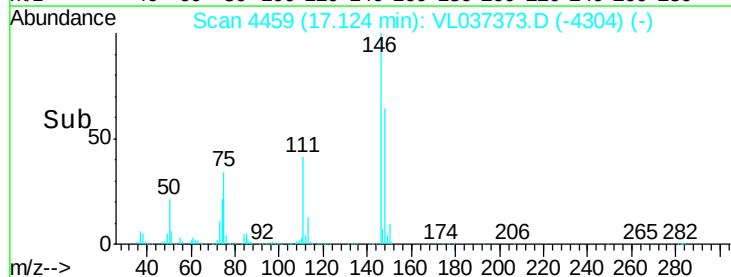
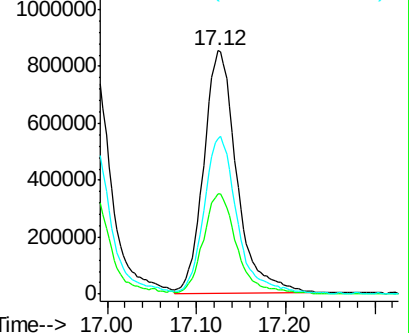
148 65.1 32.8 98.4

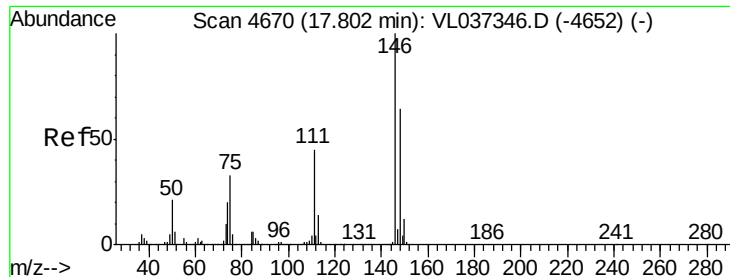


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 11.276 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2167231

Ion Ratio Lower Upper

146 100

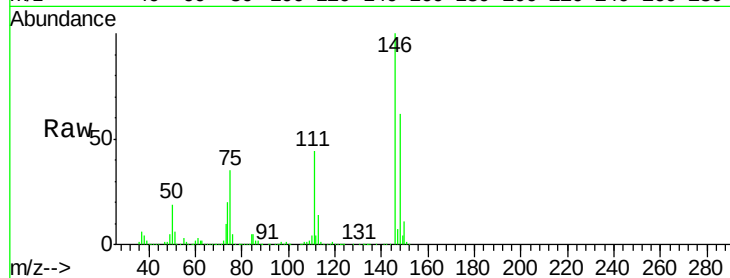
111 45.0 22.4 67.2

148 64.8 32.9 98.6

Manual Integrations
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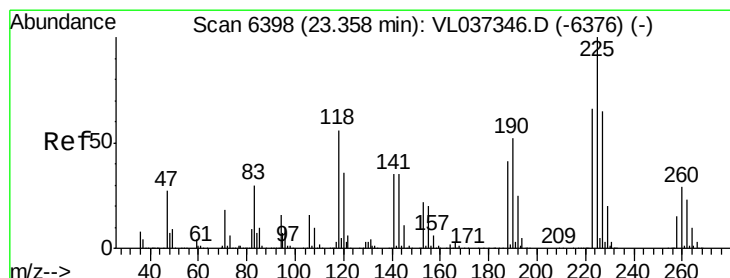
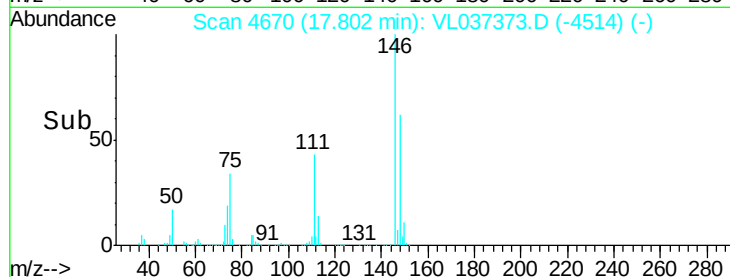
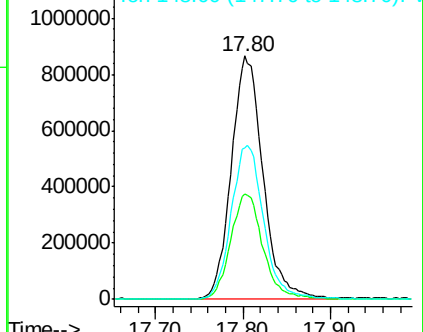


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 12.301 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. 0.00 min

Lab File: VL037373.D

Acq: 7 Aug 2021 10:36

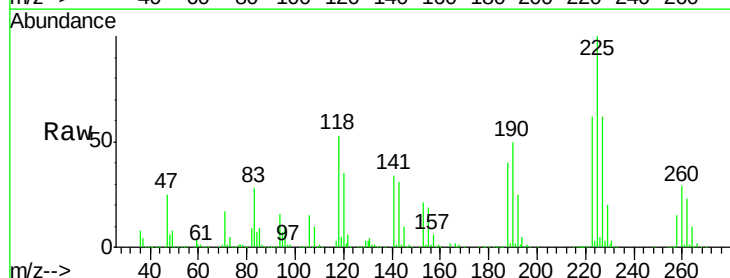
Tgt Ion:225 Resp: 1869474

Ion Ratio Lower Upper

225 100

223 63.3 51.3 76.9

227 64.6 51.6 77.4

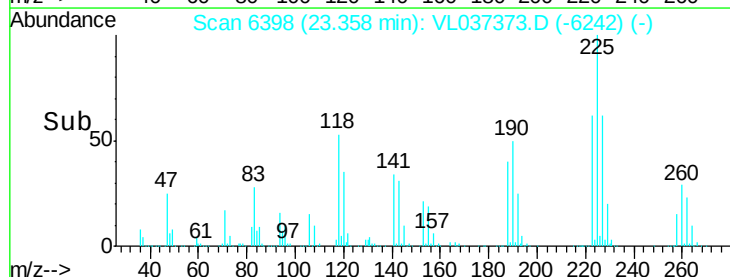
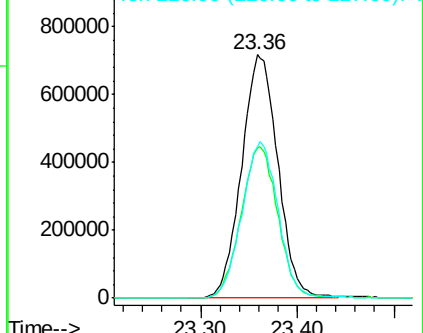


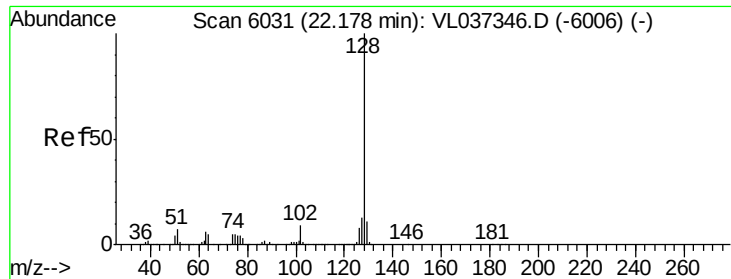
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





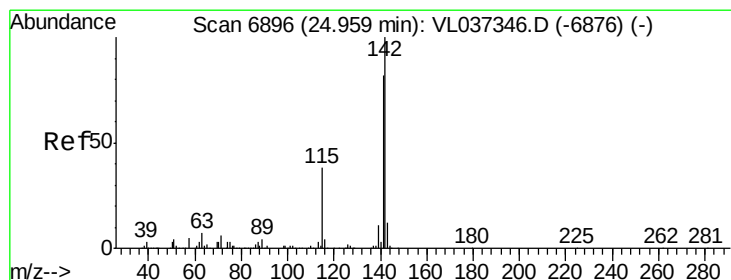
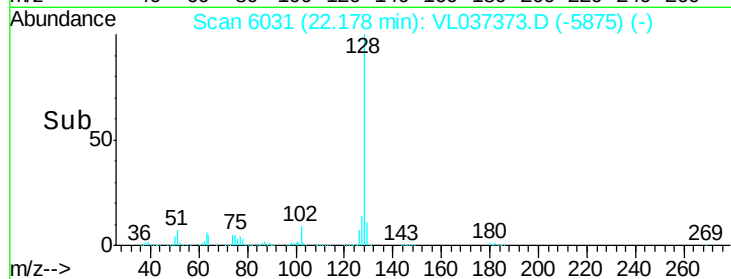
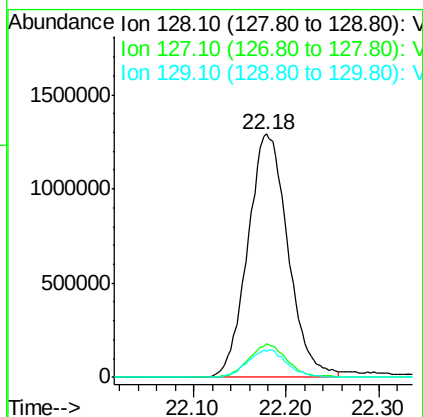
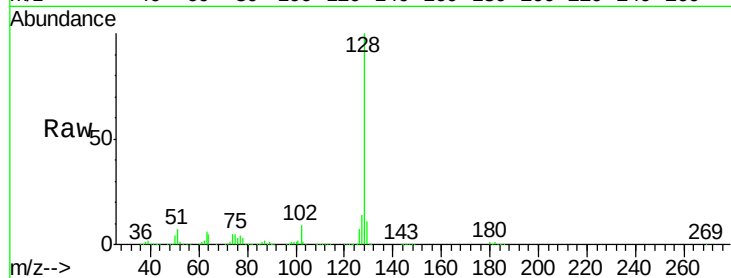
#79
Naphthalene
Concen: 17.626 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	10.9	8.8	13.2

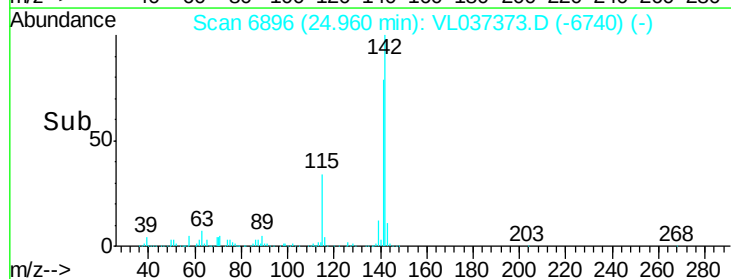
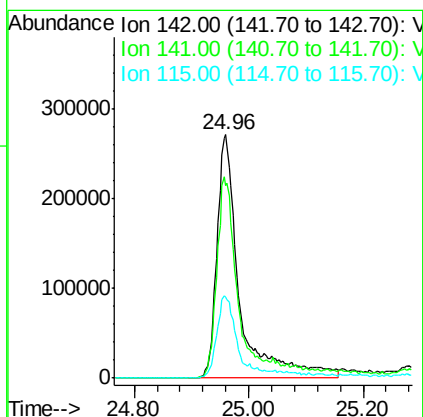
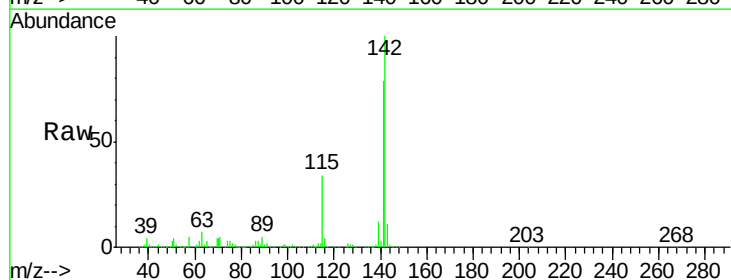
Manual Integrations
APPROVED

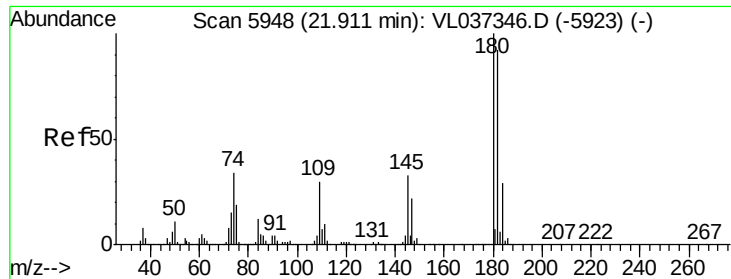
MMDadoda
8/10/2021 6:11:01 PM



#80
Naphthalene, 2-methyl-
Concen: 18.714 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL037373.D
Acq: 7 Aug 2021 10:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.2	67.2	100.8
115	35.1	29.4	44.2





#81
 1,2,4-Trichlorobenzene
 Concen: 15.038 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.00 min
 Lab File: VL037373.D
 Acq: 7 Aug 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	78.1	117.1
184	31.2	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:11:01 PM

