

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036894.D
 Acq On : 29 Apr 2021 8:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 4/29/2021 5:53:19 PM

Quant Time: Apr 29 09:31:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 29 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1526204	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3805118	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3458325m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3037630	10.94	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1931102	8.034	ppbv	99
3) Chlorodifluoromethane	3.00	51	2531091	9.105	ppbv	99
4) Chloromethane	3.15	50	827178	9.053	ppbv	99
5) Vinyl Chloride	3.27	62	803731	8.721	ppbv	96
6) Bromomethane	3.49	94	421489	8.504	ppbv	98
7) Chloroethane	3.57	64	277409	9.159	ppbv #	87
8) Dichlorotetrafluoroethane	3.20	85	1942081	8.858	ppbv	98
9) Propene	3.02	41	728658	8.601	ppbv	99
10) Heptane	8.14	43	1965477	9.225	ppbv	98
11) Trichlorofluoromethane	3.96	101	1915726	8.929	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1230215	8.567	ppbv	100
13) Ethanol	3.62	45	70142	6.493	ppbv	95
14) Bromoethene	3.75	108	502289	8.562	ppbv	97
15) Acetone	3.86	43	1233677	8.576	ppbv	100
16) 1,3-Butadiene	3.34	39	846627	9.204	ppbv	94
17) tert-Butyl alcohol	4.30	59	1074357	9.201	ppbv	98
18) 1,1-Dichloroethene	4.30	96	542815	8.698	ppbv	98
19) Isopropyl Alcohol	3.99	45	623864	8.753	ppbv #	96
20) Methylene Chloride	4.36	84	486727	7.076	ppbv	89
21) Allyl Chloride	4.43	41	825892	7.726	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	534847	8.540	ppbv	97
23) Vinyl Acetate	5.09	43	1922920	9.827	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	1499430	10.795	ppbv	100
25) Ethyl Acetate	5.70	43	2934791	8.352	ppbv	99
26) Hexane	5.70	57	1422168	8.651	ppbv	94
27) Carbon Disulfide	4.56	76	1357016	9.503	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1455315	9.987	ppbv	100
29) Chloroform	5.77	83	2324970	9.071	ppbv	99
30) Cyclohexane	7.15	84	1195443	9.170	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1342259	9.096	ppbv	100
32) 1,1,1-Trichloroethane	6.53	97	2300251	8.826	ppbv	99
34) 2-Butanone	5.26	43	1380970	8.285	ppbv	99
35) Carbon Tetrachloride	7.04	117	2465455	9.549	ppbv	98
36) Benzene	6.91	78	2961183	9.236	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1713114	9.436	ppbv	100
38) Trichloroethene	7.85	130	1085538	9.510	ppbv	97
39) 1,2-Dichloropropane	7.64	63	1157131	9.009	ppbv	96
40) 1,4-Dioxane	7.86	88	283965	9.156	ppbv	96
41) Tetrahydrofuran	6.07	42	570600	7.826	ppbv	99
42) Bromodichloromethane	7.81	83	2489182	9.868	ppbv	98
43) Methyl Methacrylate	8.03	69	1058453	10.118	ppbv	100

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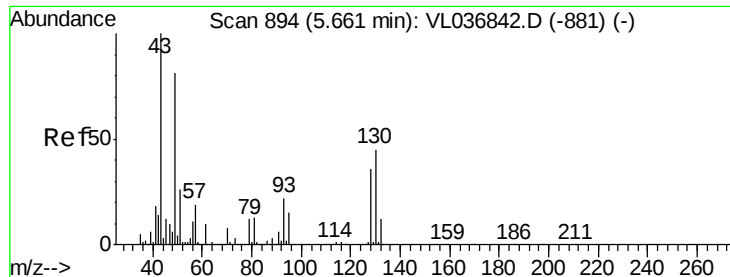
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 29 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5083884	9.253	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	771426m	6.840	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	1055829	7.302	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1235773	9.293	ppbv	99
48) Dibromochloromethane	10.33	129	2043802	10.372	ppbv	98
49) Bromoform	13.06	173	1717588	10.919	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2080851	9.133	ppbv	99
51) 2-Hexanone	10.16	43	1085150	9.549	ppbv #	98
52) Tetrachloroethene	11.24	164	1006669	9.221	ppbv	98
53) Toluene	9.83	91	3343286	9.966	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1751272	9.328	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1449680	9.999	ppbv #	63
57) Chlorobenzene	12.17	112	2548716	9.462	ppbv	98
58) Ethyl Benzene	12.73	91	4530427	10.328	ppbv	99
59) m/p-Xylene	13.01	91	7840385m	19.999	ppbv	
60) o-Xylene	13.72	91	3766228	9.935	ppbv	100
61) Styrene	13.55	104	1944170	10.921	ppbv	100
62) Isopropylbenzene	14.69	105	5083265	9.856	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2867255	9.436	ppbv	99
64) n-propylbenzene	15.59	120	1326601	10.321	ppbv	96
65) tert-Butylbenzene	16.77	119	4474686	9.813	ppbv	99
66) Benzyl Chloride	17.01	91	350456m	7.860	ppbv	
67) sec-Butylbenzene	17.32	105	6320531	9.982	ppbv	100
69) p-Isopropyltoluene	17.67	119	5120020	10.086	ppbv	99
70) n-Butylbenzene	18.57	91	5395911	10.546	ppbv	99
71) 2-Chlorotoluene	15.47	91	3931341	10.292	ppbv	100
72) 4-Ethyltoluene	15.86	105	4234362	10.407	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3886208	9.849	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4097968	9.777	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	2458521	9.923	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2352257	9.701	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2377654	9.825	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1825289	8.876	ppbv	99
79) Naphthalene	22.23	128	2720875	11.591	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	418699	16.174	ppbv	96
81) 1,2,4-Trichlorobenzene	21.96	180	1698611m	11.187	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

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Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1526204

Ion Ratio Lower Upper

49 100

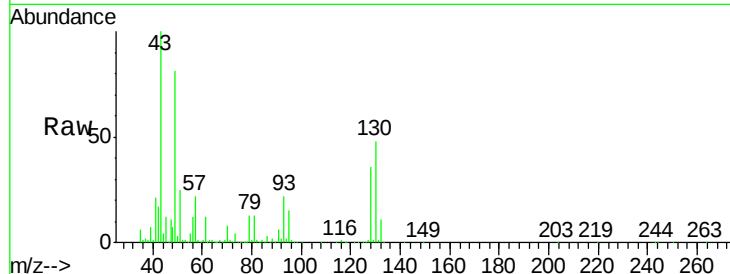
128 49.4 24.4 73.2

130 60.7 30.3 90.8

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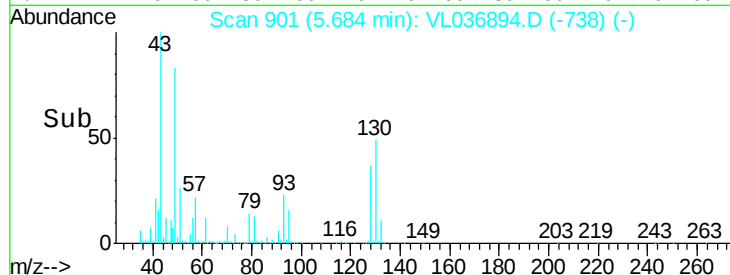
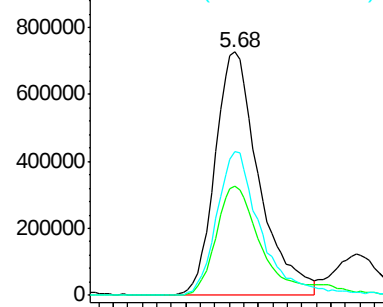
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.034 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036894.D

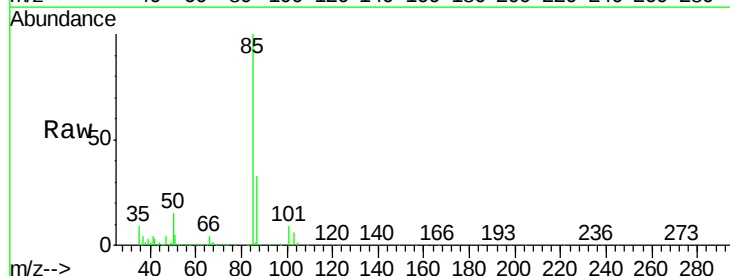
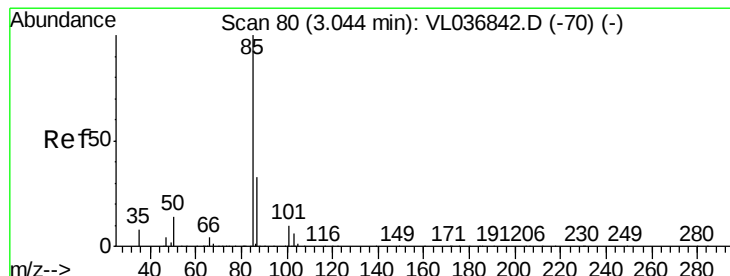
Acq: 29 Apr 2021 8:39

Tgt Ion: 85 Resp: 1931102

Ion Ratio Lower Upper

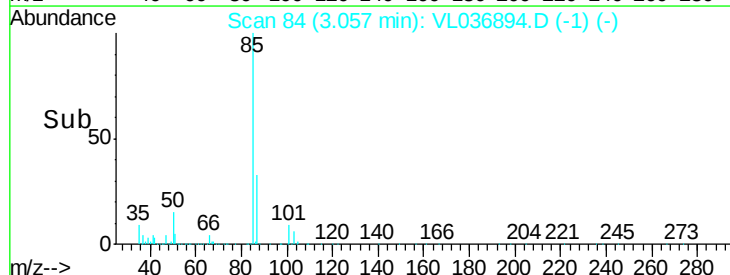
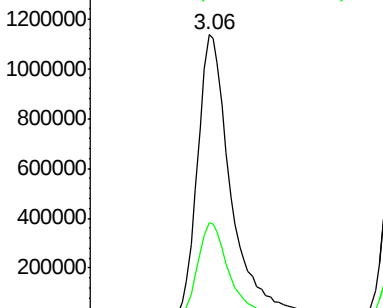
85 100

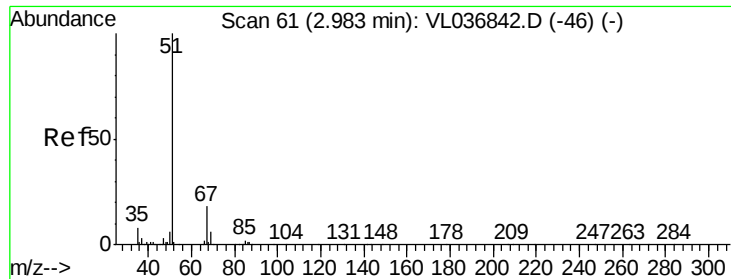
87 33.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.105 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Tot Ion: 51 Resp: 2531091

Ion Ratio Lower Upper

51 100

67 19.0 14.8 22.2

Instrument :

MSVOA_L

ClientSampleId :

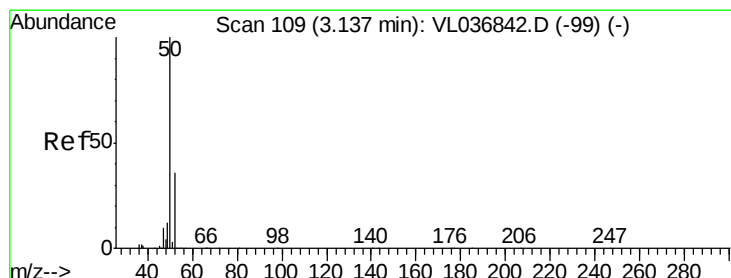
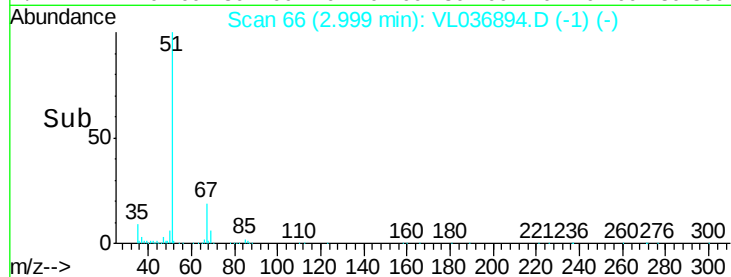
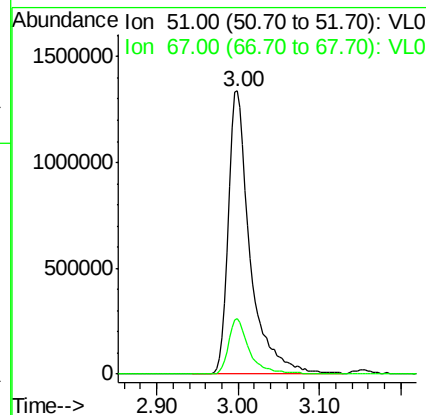
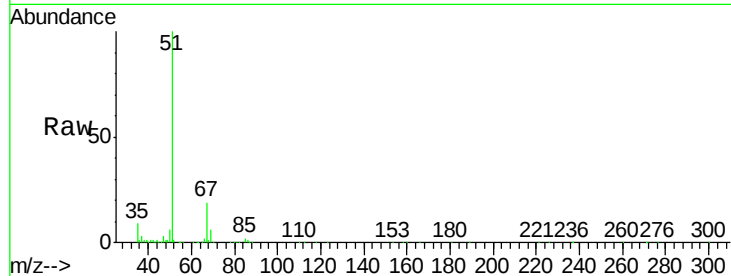
VSTDCCC010EC

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#4

Chloromethane

Concen: 9.053 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036894.D

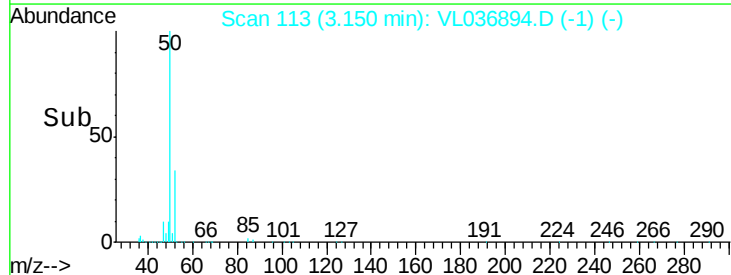
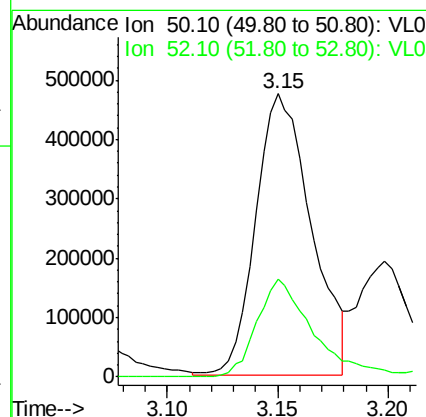
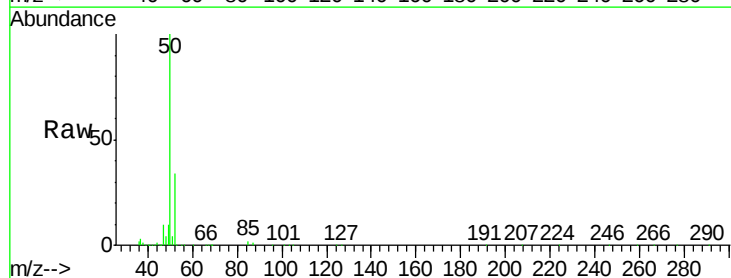
Acq: 29 Apr 2021 8:39

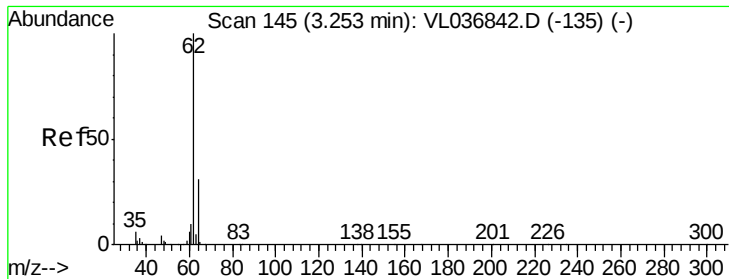
Tgt Ion: 50 Resp: 827178

Ion Ratio Lower Upper

50 100

52 34.8 28.5 42.7





#5

Vinyl Chloride

Concen: 8.721 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 62 Resp: 803731

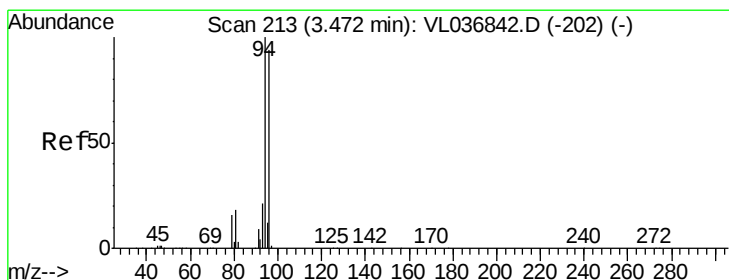
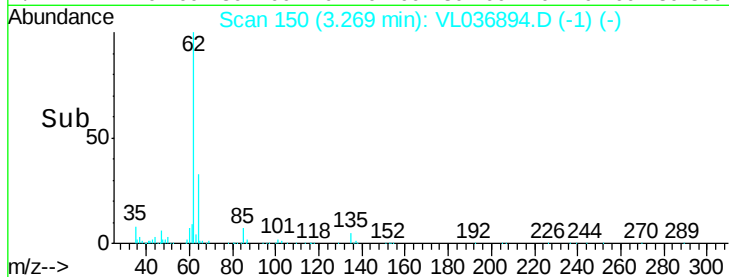
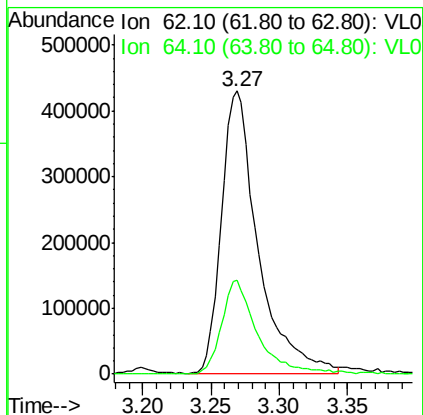
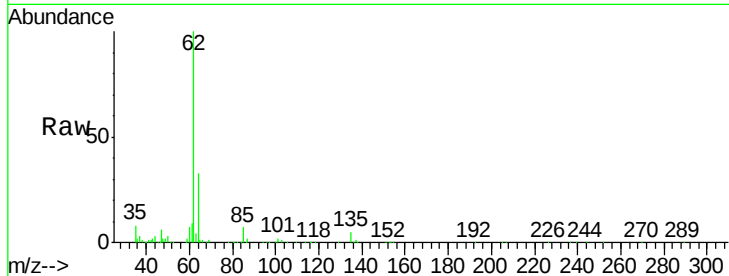
Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4

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#6

Bromomethane

Concen: 8.504 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.02 min

Lab File: VL036894.D

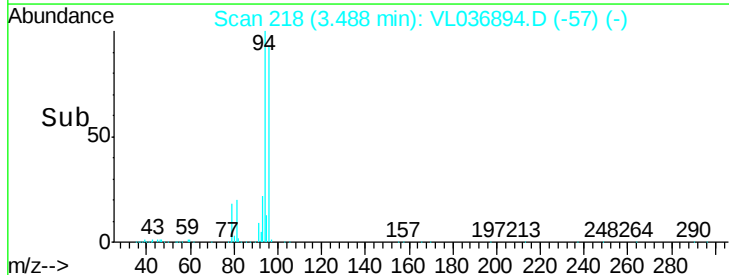
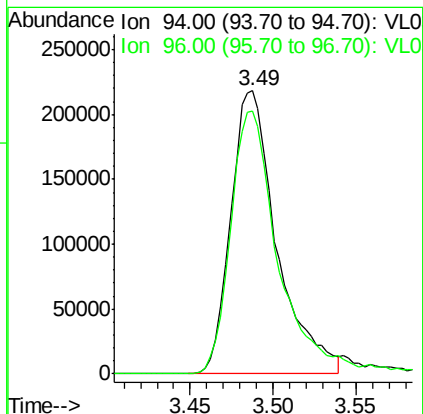
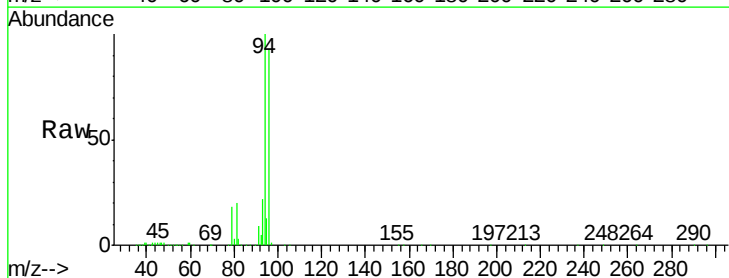
Acq: 29 Apr 2021 8:39

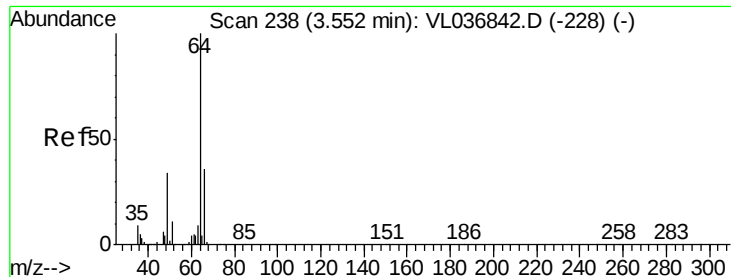
Tgt Ion: 94 Resp: 421489

Ion Ratio Lower Upper

94 100

96 92.7 75.4 113.0





#7

Chloroethane

Concen: 9.159 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 277409

Ion Ratio Lower Upper

64 100

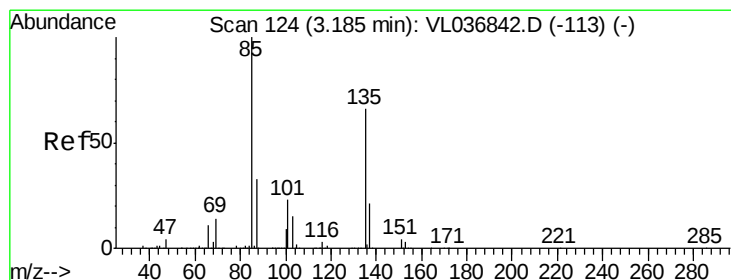
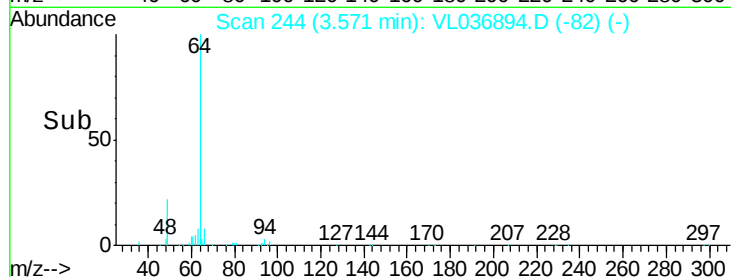
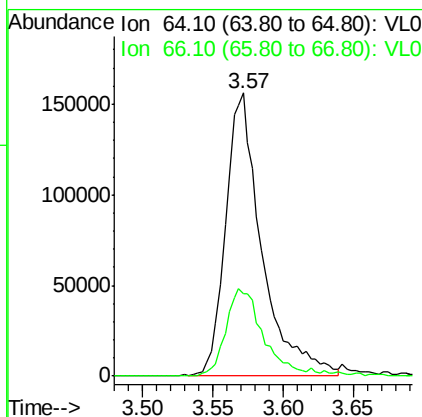
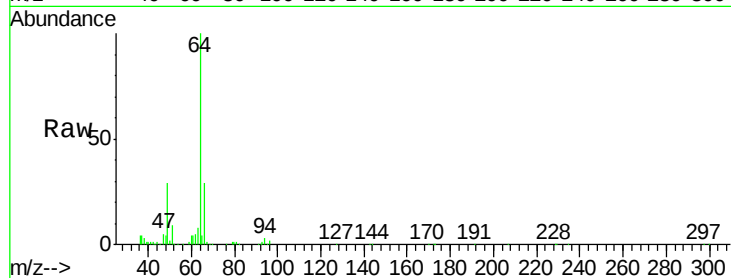
66 28.9 29.0 43.6#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.858 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL036894.D

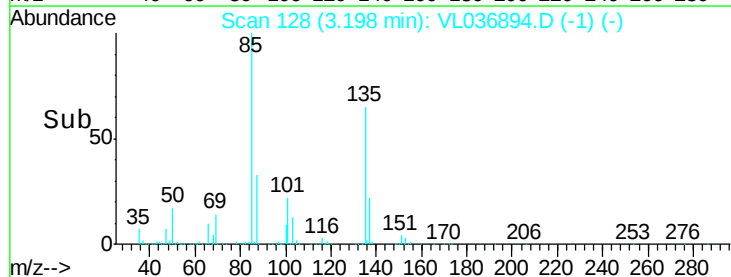
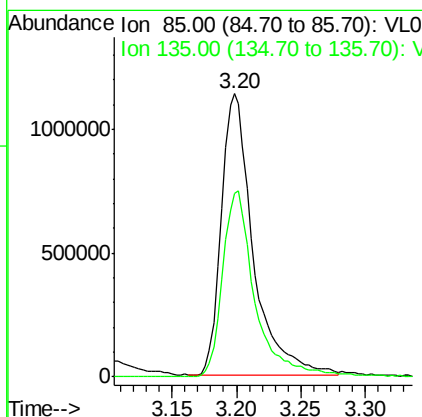
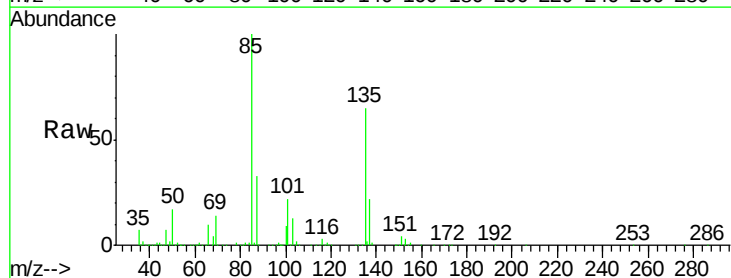
Acq: 29 Apr 2021 8:39

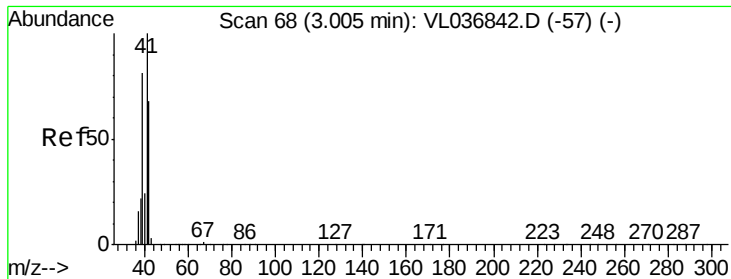
Tgt Ion: 85 Resp: 1942081

Ion Ratio Lower Upper

85 100

135 68.3 56.2 84.4





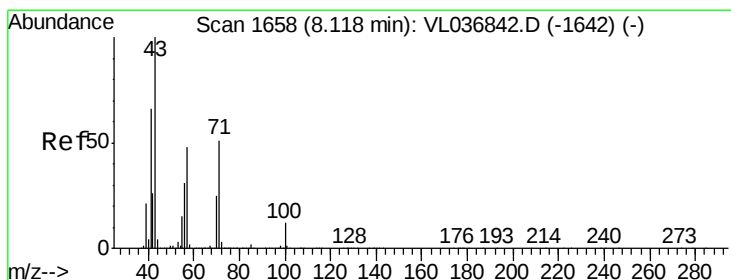
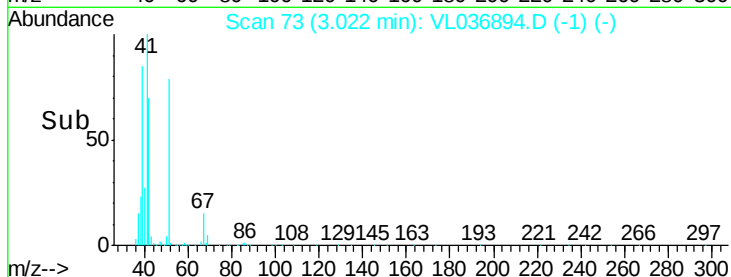
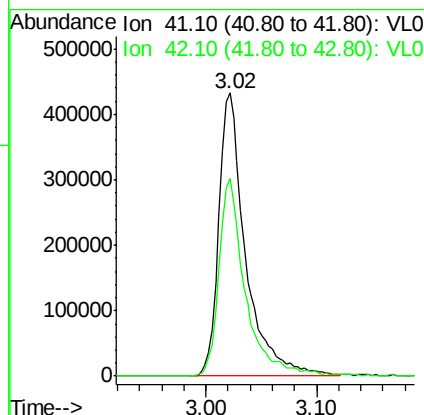
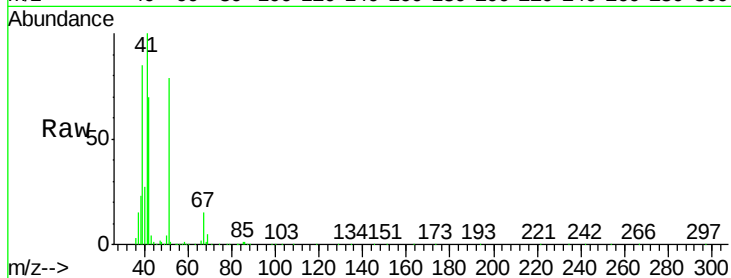
#9
 Propene
 Concen: 8.601 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 728658
 Ion Ratio Lower Upper
 41 100
 42 69.2 56.0 84.0

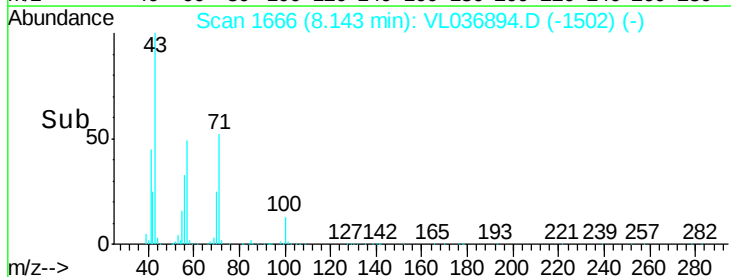
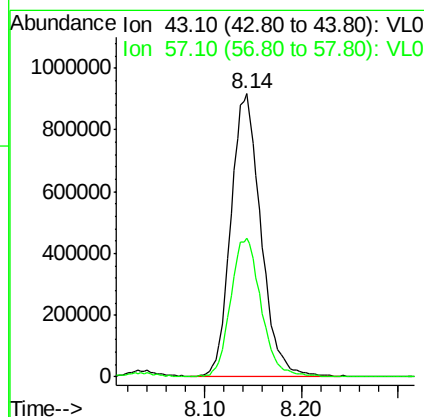
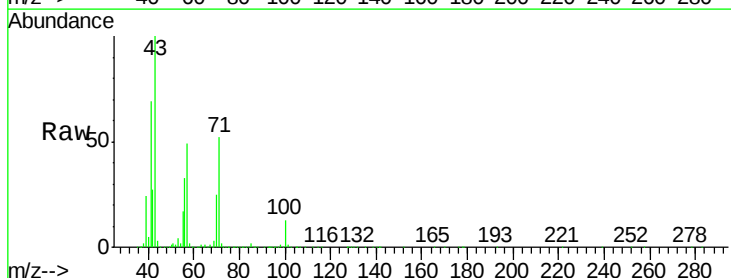
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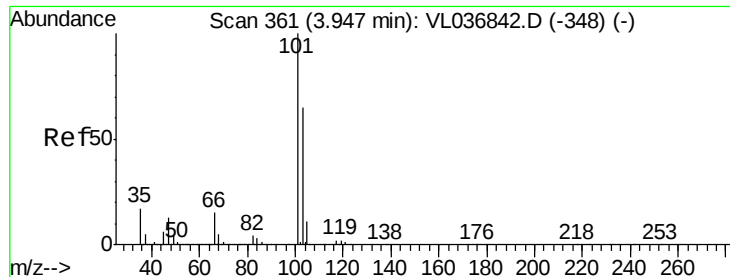
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#10
 Heptane
 Concen: 9.225 ppbv
 RT: 8.14 min Scan# 1666
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion: 43 Resp: 1965477
 Ion Ratio Lower Upper
 43 100
 57 50.0 38.8 58.2





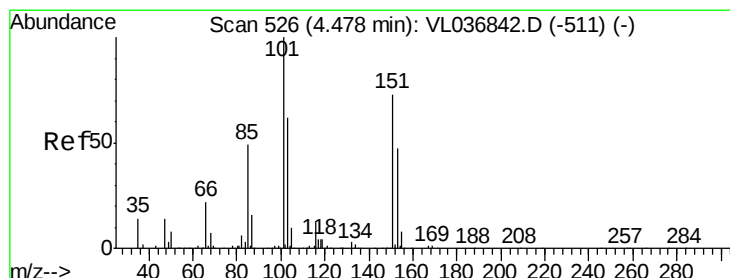
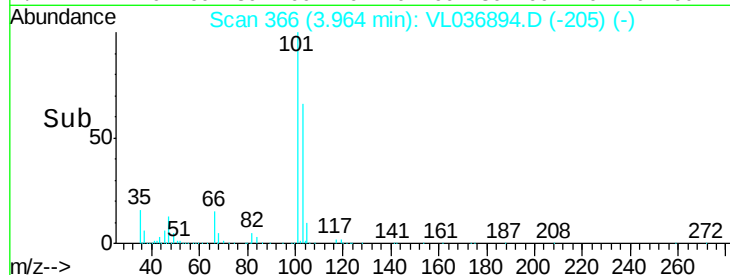
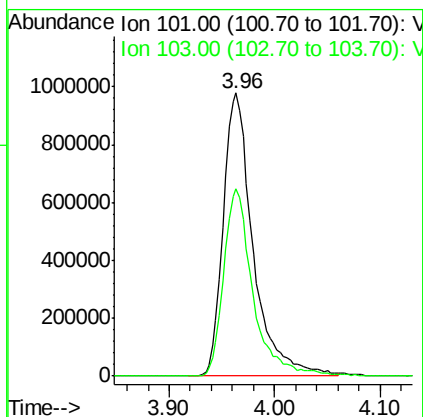
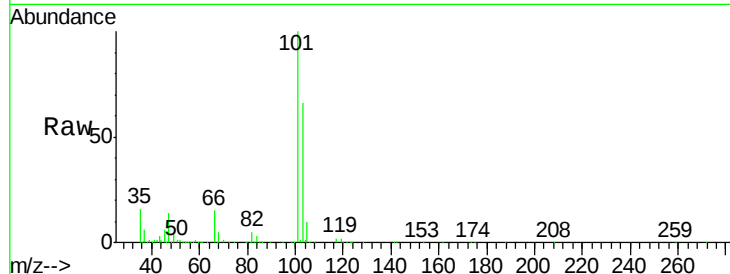
#11
 Trichlorofluoromethane
 Concen: 8.929 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1915726
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.6 77.4

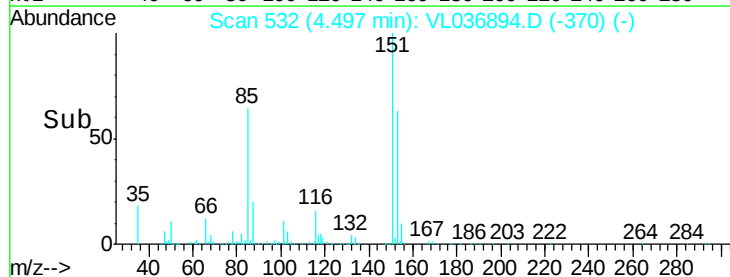
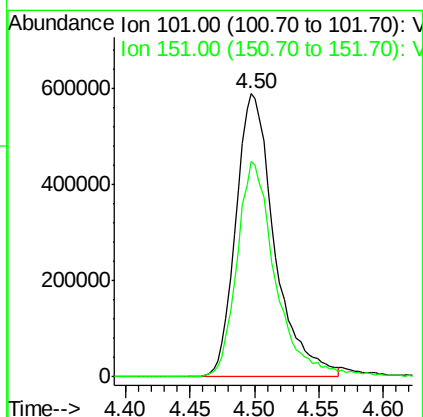
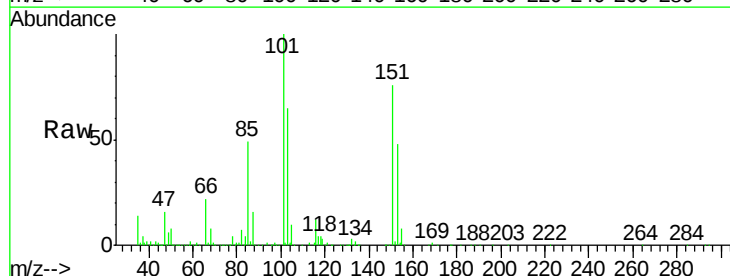
Manual Integrations
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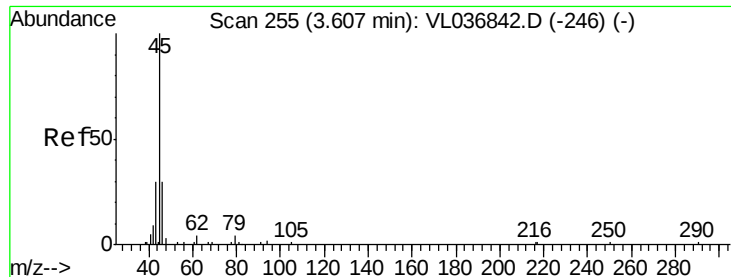
MMDadoda
 4/29/2021 5:53:19 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.567 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion:101 Resp: 1230215
 Ion Ratio Lower Upper
 101 100
 151 76.3 61.1 91.7





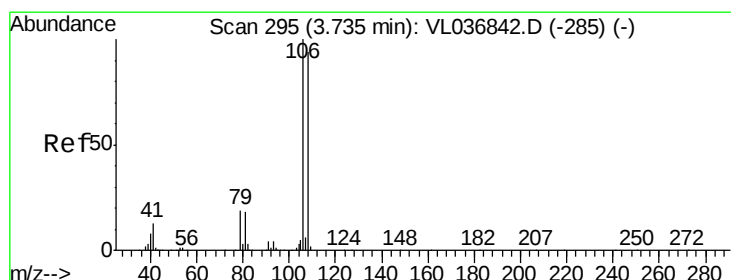
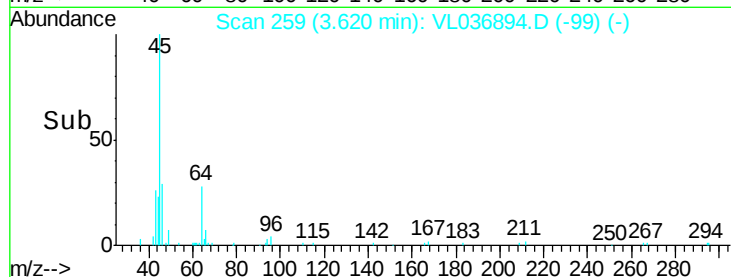
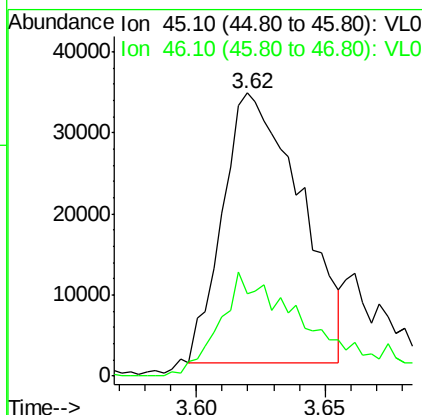
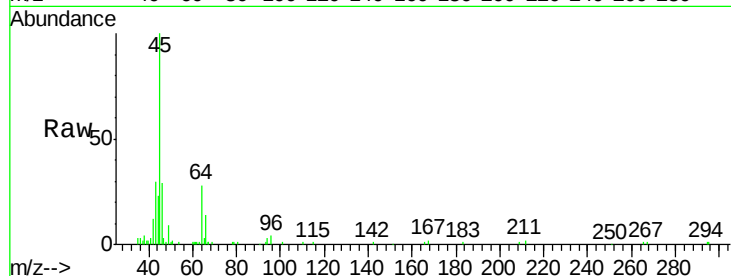
#13
Ethanol
Concen: 6.493 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	70142
Ion Ratio	100	Lower	Upper
46	45.0	16.8	67.4

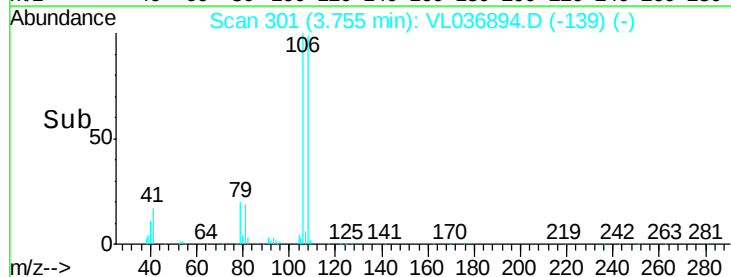
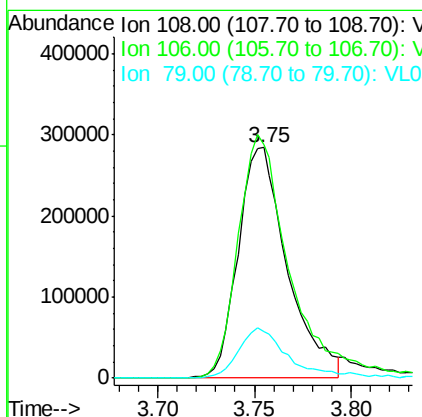
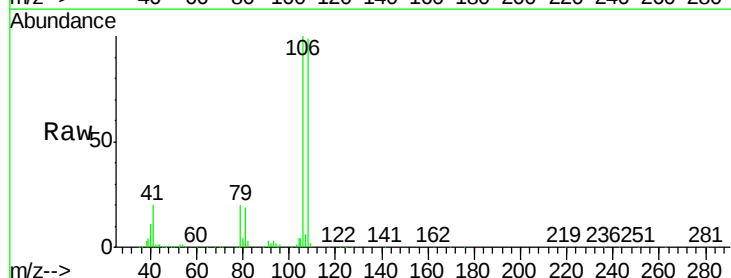
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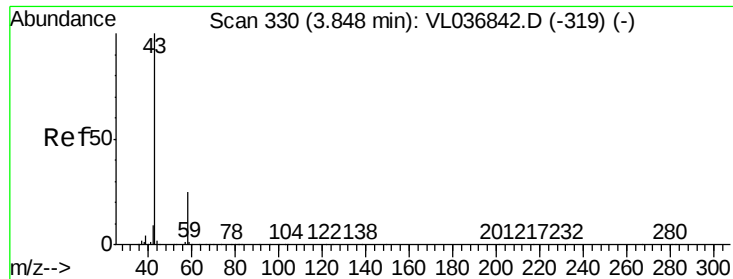
MMDadoda
4/29/2021 5:53:19 PM



#14
Bromoethene
Concen: 8.562 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion	108	Resp	502289
Ion Ratio	100	Lower	Upper
106	114.2	88.5	132.7
79	23.4	17.9	26.9





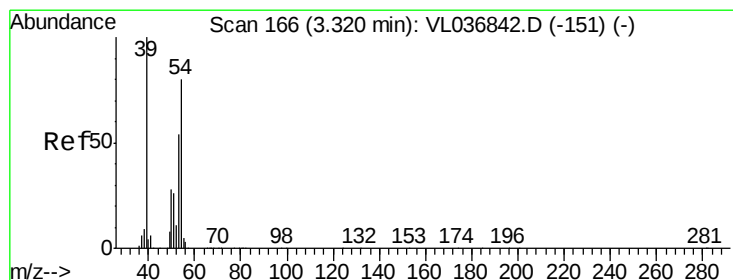
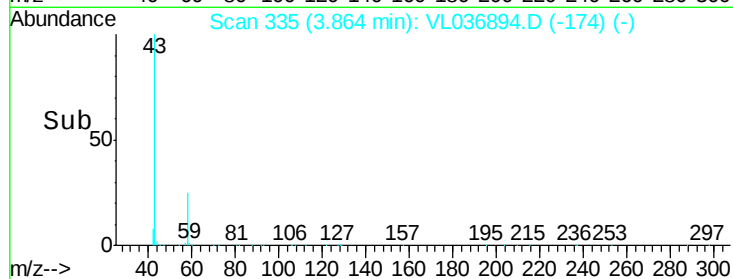
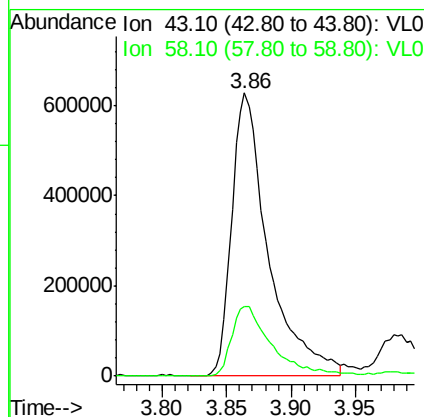
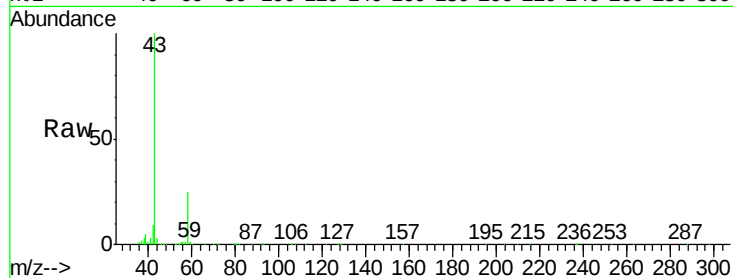
#15
Acetone
Concen: 8.576 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1233677
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5

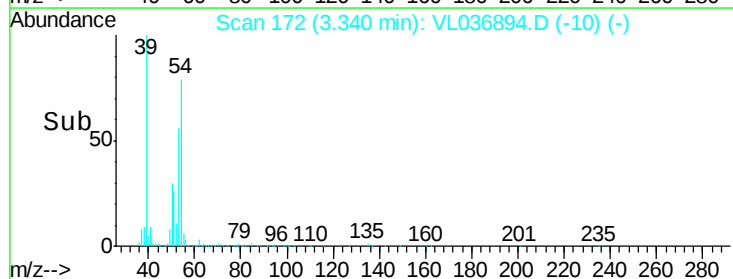
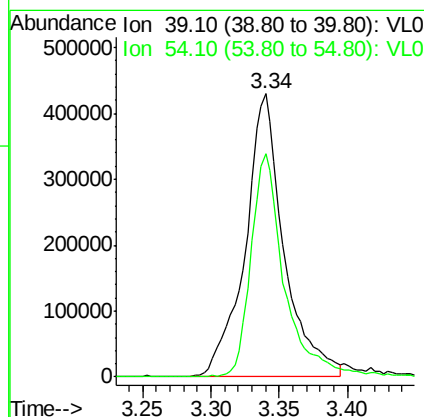
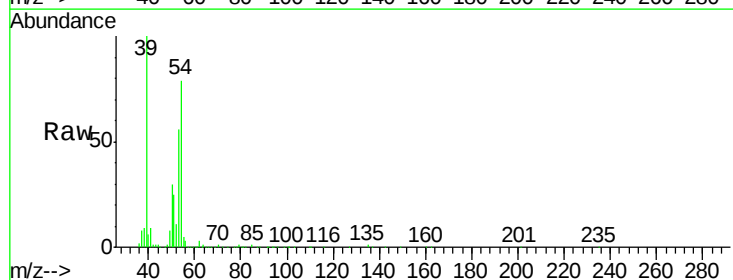
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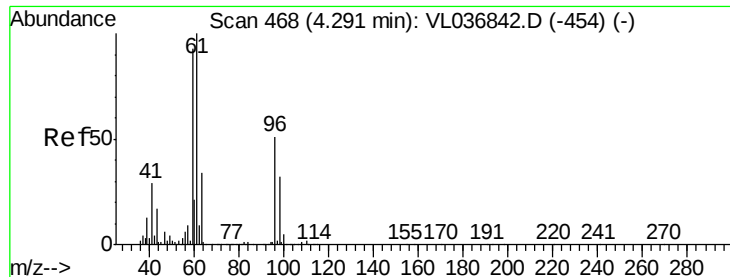
MMDadoda
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#16
1,3-Butadiene
Concen: 9.204 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion: 39 Resp: 846627
Ion Ratio Lower Upper
39 100
54 69.2 59.6 89.4





#17

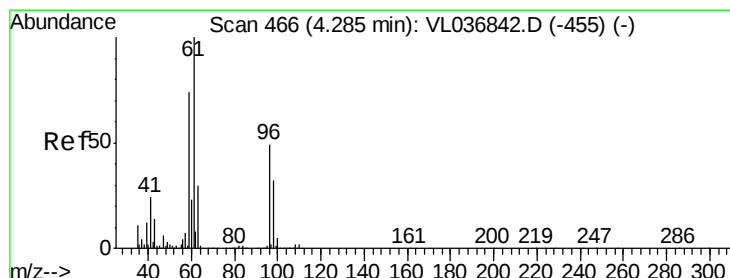
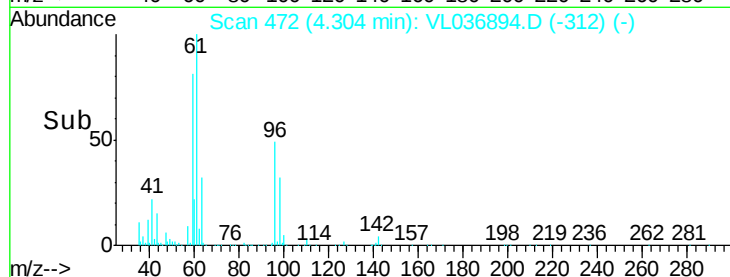
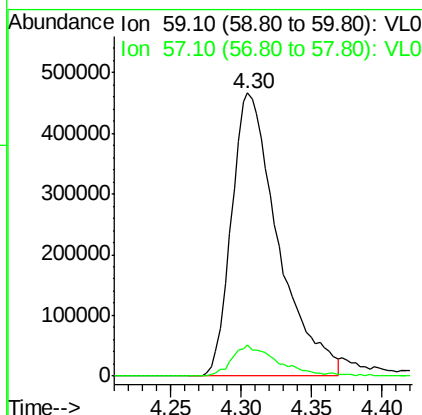
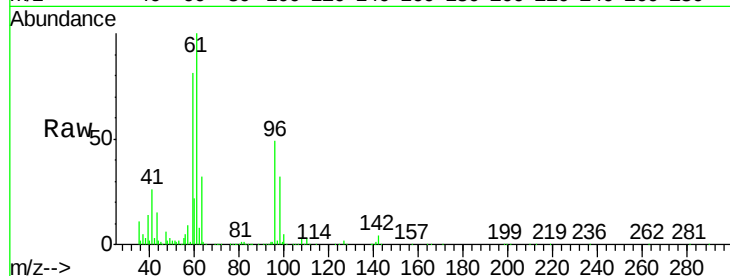
tert-Butyl alcohol
 Concen: 9.201 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1074357
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5

Manual Integrations
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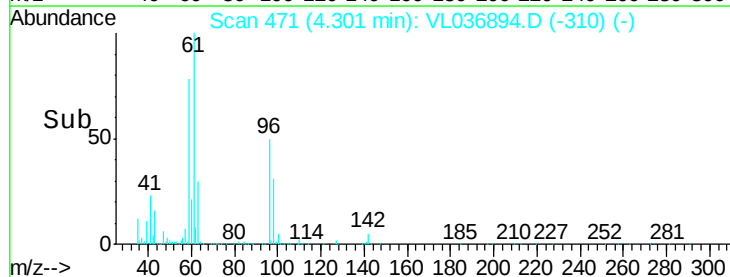
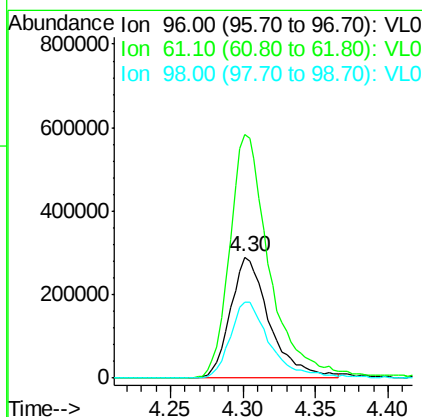
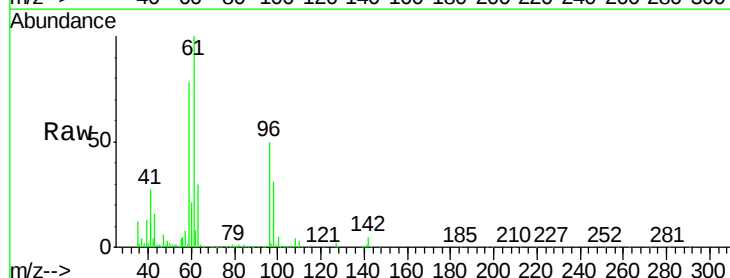
MMDadoda
 4/29/2021 5:53:19 PM

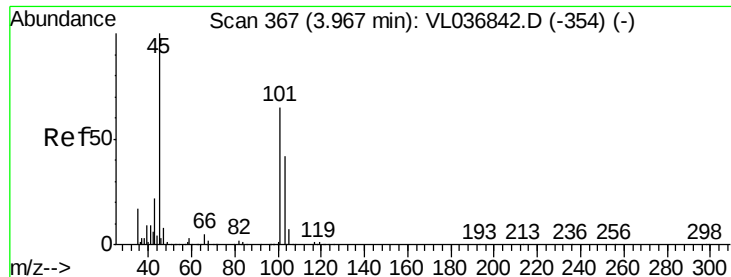


#18

1,1-Dichloroethene
 Concen: 8.698 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion: 96 Resp: 542815
 Ion Ratio Lower Upper
 96 100
 61 200.7 162.2 243.2
 98 62.3 51.8 77.6





#19

Isopropyl Alcohol

Concen: 8.753 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 623864

Ion Ratio Lower Upper

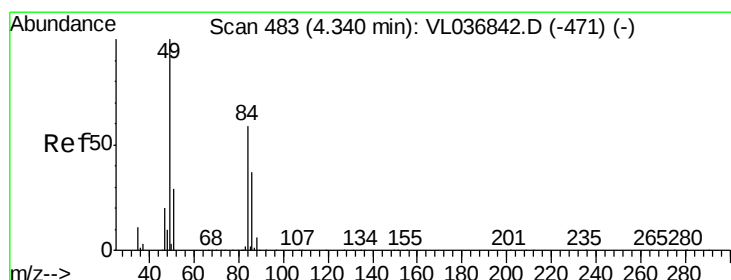
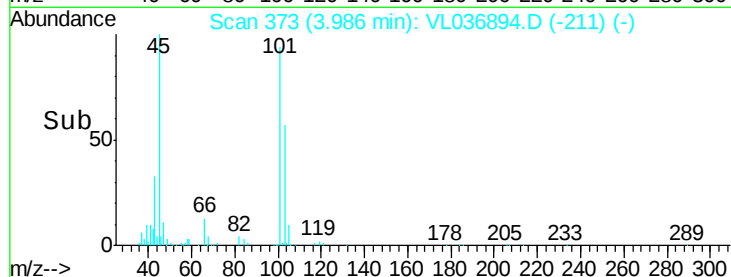
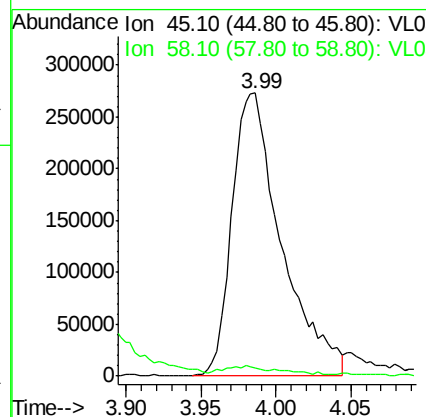
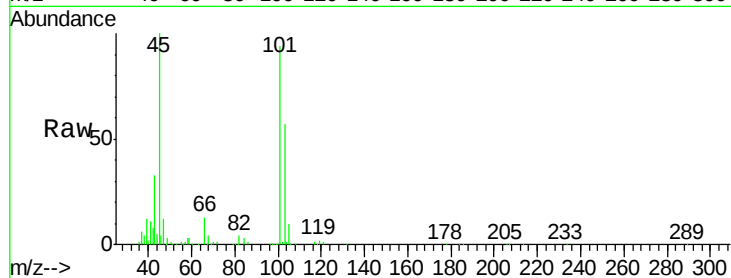
45 100

58 4.9 2.8 4.2#

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#20

Methylene Chloride

Concen: 7.076 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Tgt Ion: 84 Resp: 486727

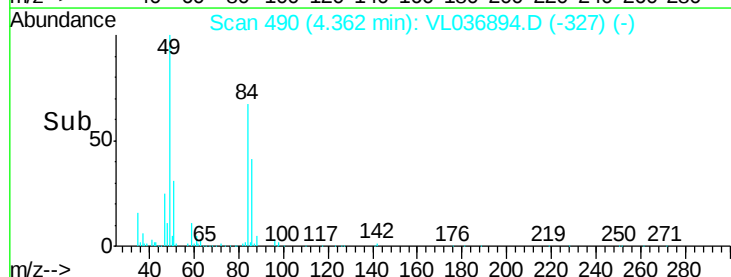
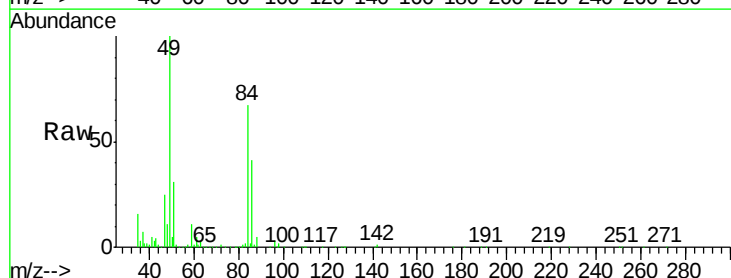
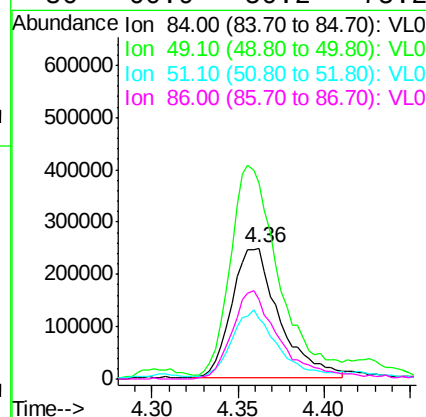
Ion Ratio Lower Upper

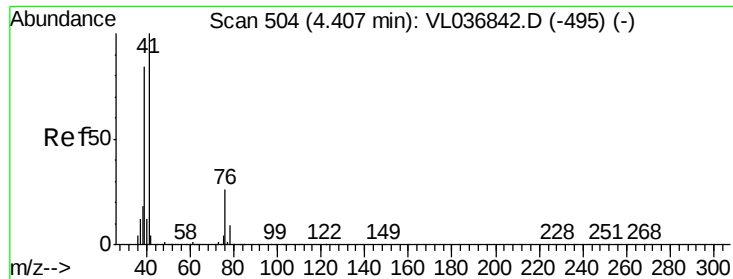
84 100

49 147.3 135.4 203.0

51 44.1 39.3 58.9

86 60.9 50.2 75.2





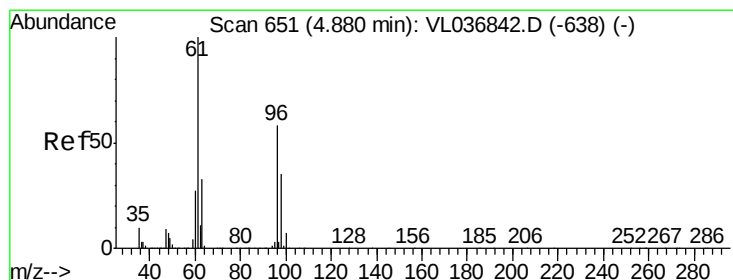
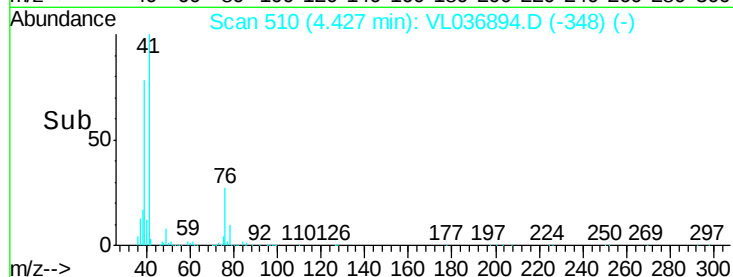
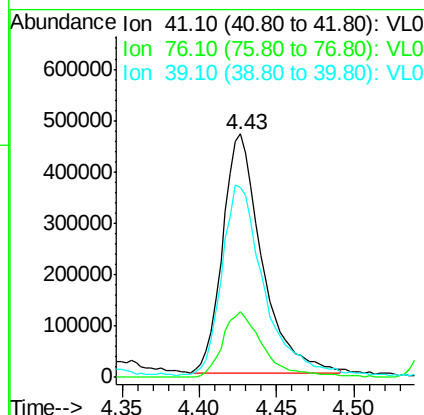
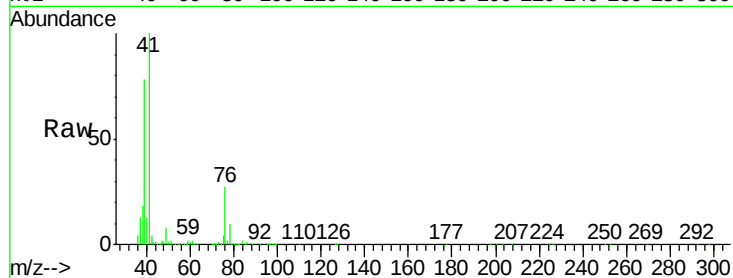
#21
Allvl Chloride
Concen: 7.726 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.4	33.6
39	87.2	68.4	102.6

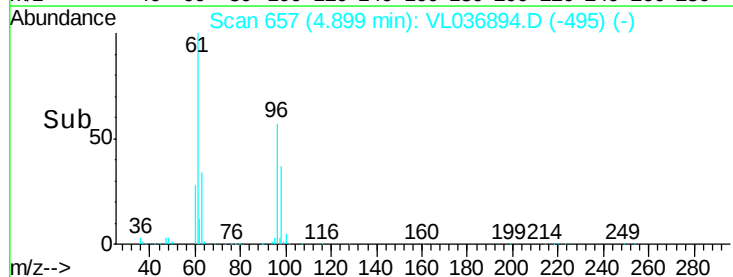
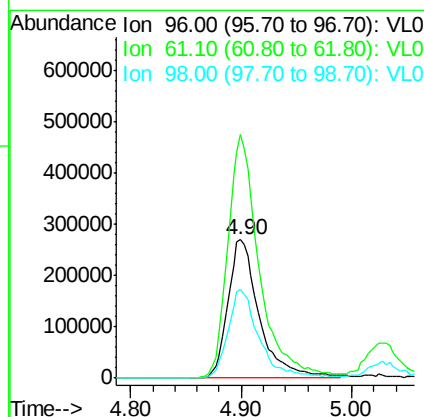
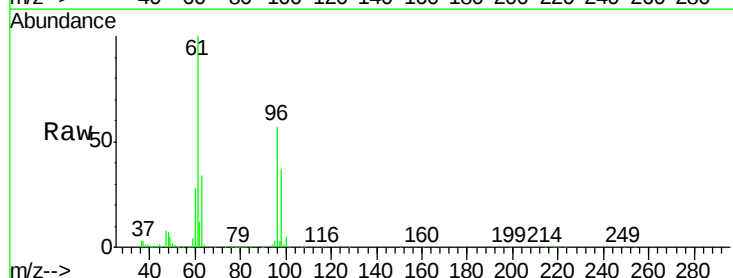
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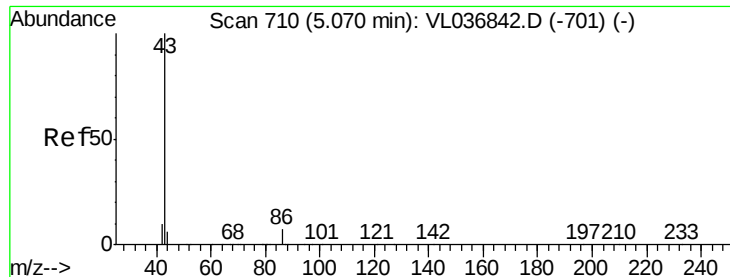
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 8.540 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	138.6	207.8
98	64.4	48.1	72.1





#23

Vinyl Acetate

Concen: 9.827 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1922920

Ion Ratio Lower Upper

43 100

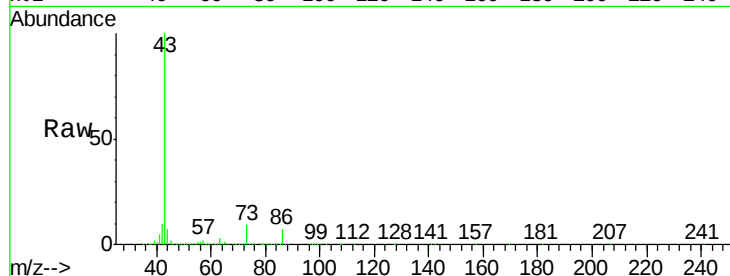
86 7.3 5.3 7.9

42 10.0 8.7 13.1

44 6.4 3.9 5.9#

Manual Integrations
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MMDadoda
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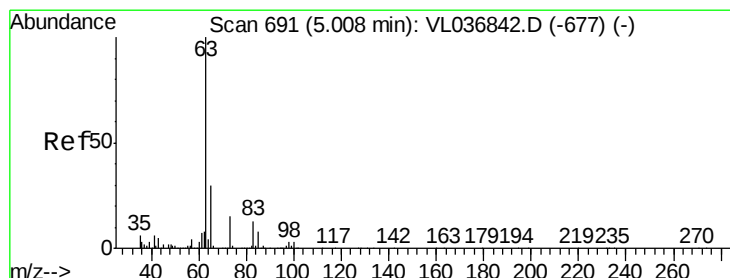
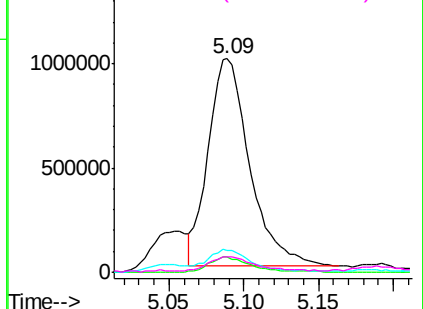
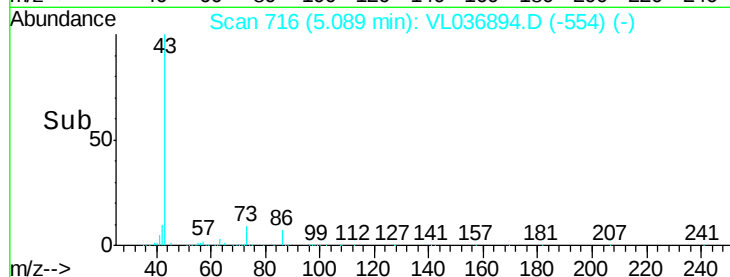


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.795 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

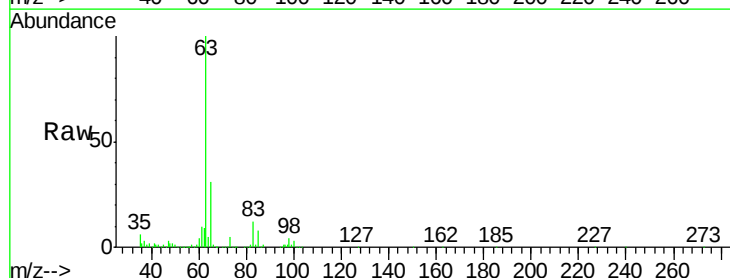
Tgt Ion: 63 Resp: 1499430

Ion Ratio Lower Upper

63 100

98 3.5 1.7 5.1

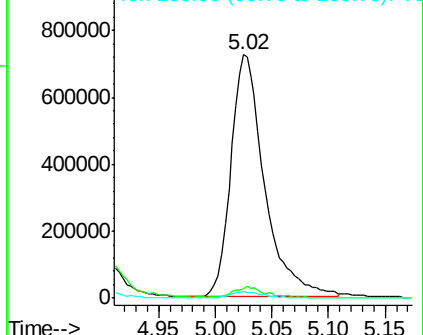
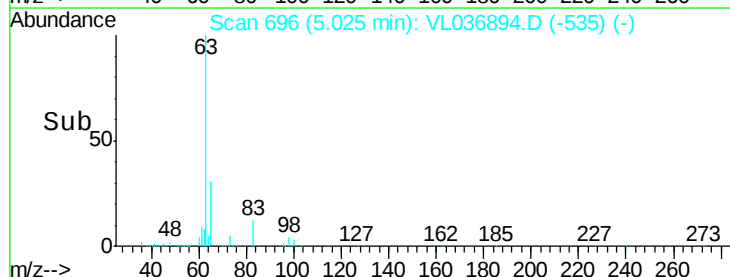
100 2.5 1.3 3.8

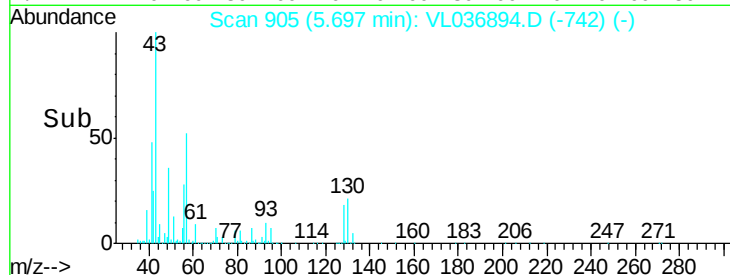
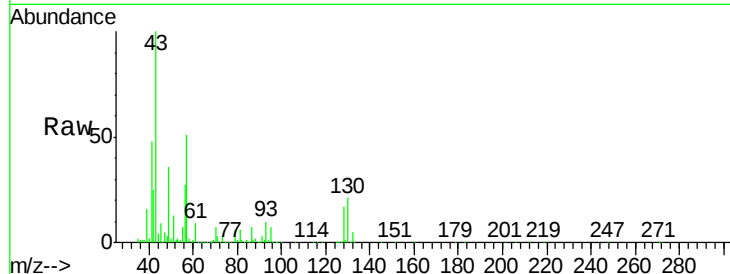
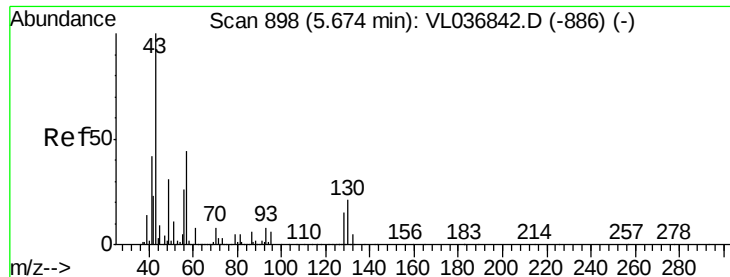


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

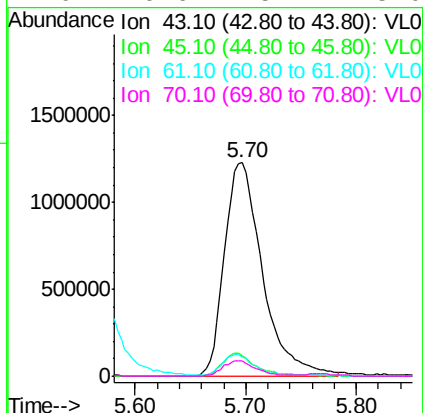
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 8.352 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

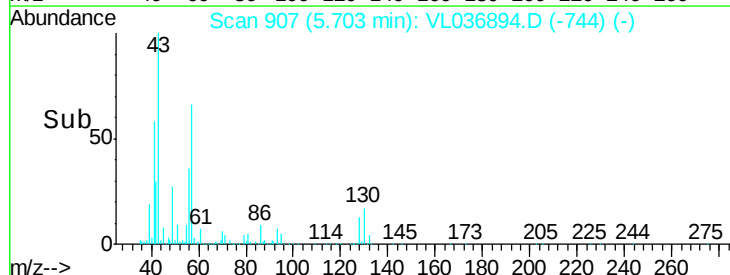
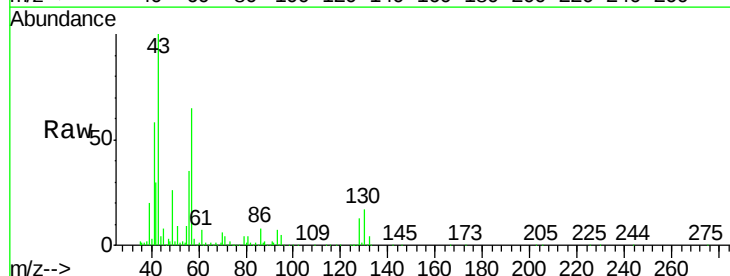
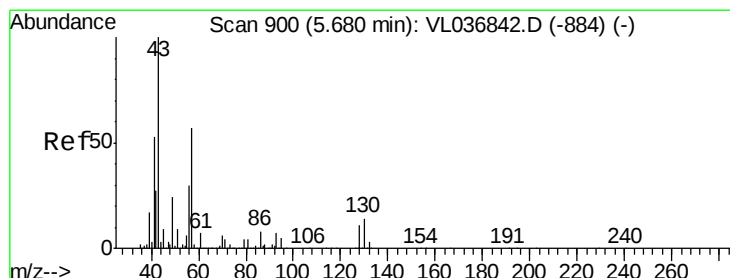
Tot Ion	43	Resp	2934791
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	9.5	7.4	11.0
70	6.6	5.4	8.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

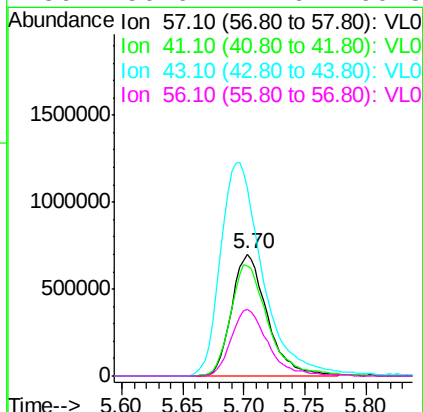
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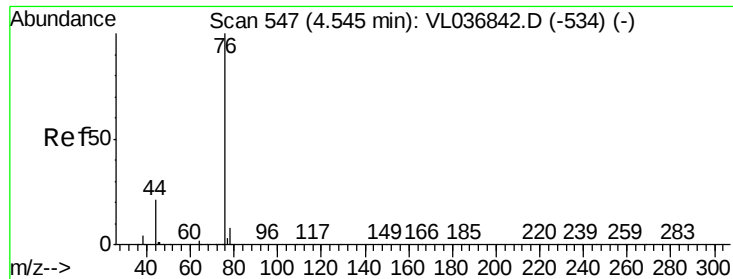
MMDadoda
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#26
Hexane
Concen: 8.651 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion	57	Resp	1422168
Ion	Ratio	Lower	Upper
57	100		
41	97.1	77.7	116.5
43	209.9	180.5	270.7
56	56.6	44.6	66.8





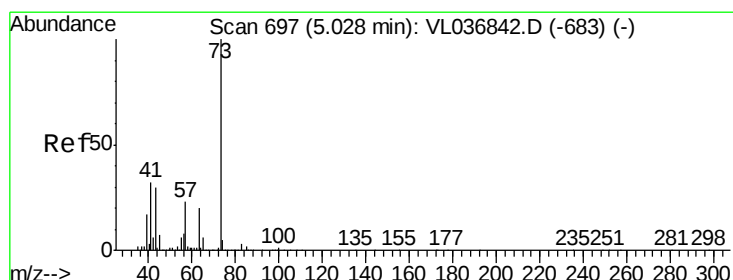
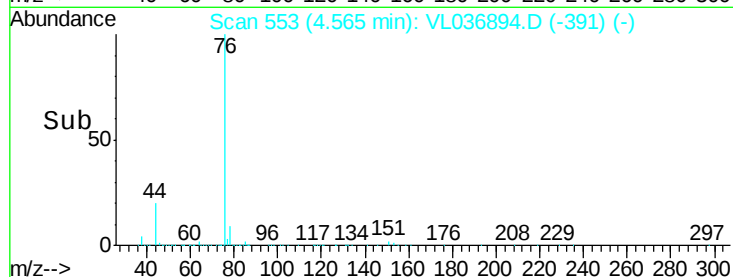
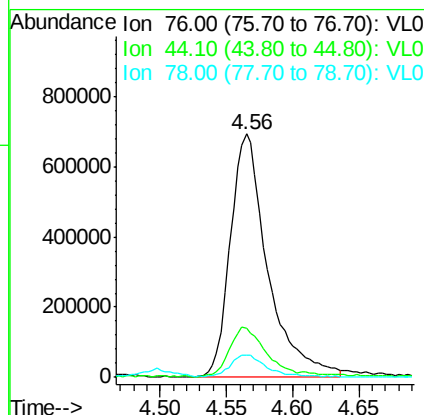
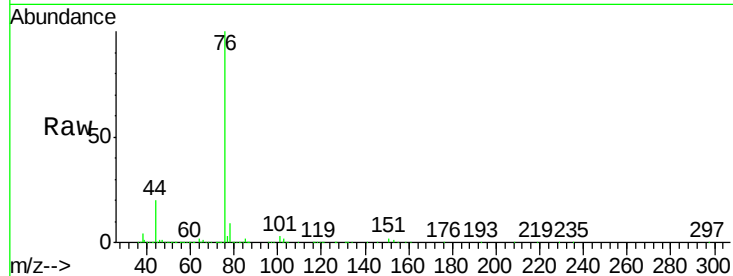
#27
Carbon Disulfide
Concen: 9.503 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.2	16.9	25.3
78	9.6	7.9	11.9

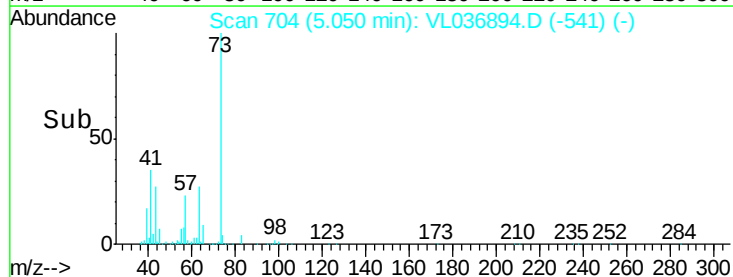
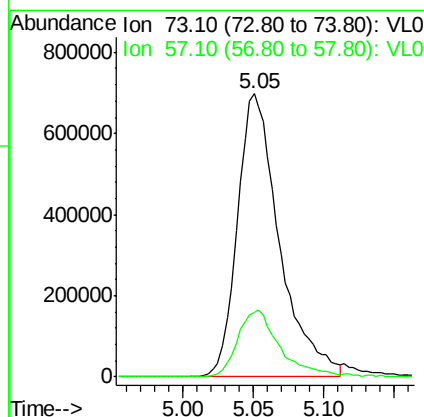
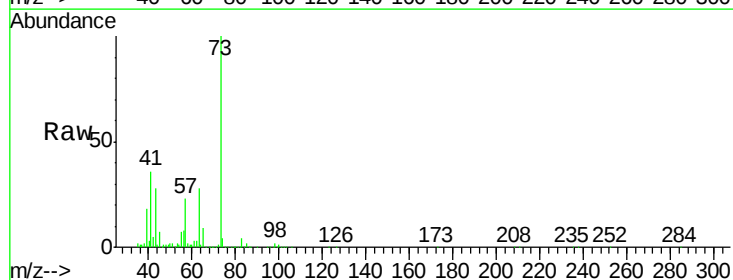
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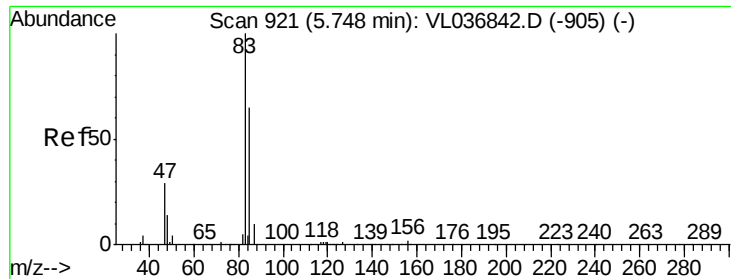
MMDadoda
4/29/2021 5:53:19 PM



#28
Methyl tert-Butyl Ether
Concen: 9.987 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.0	28.6





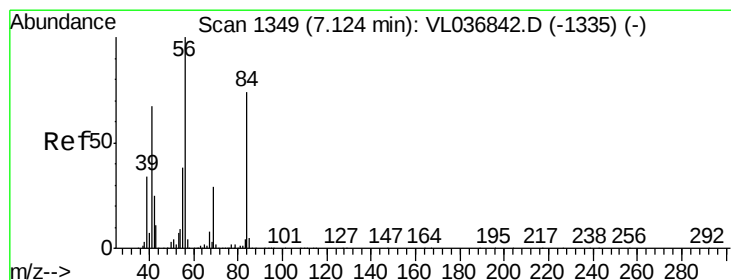
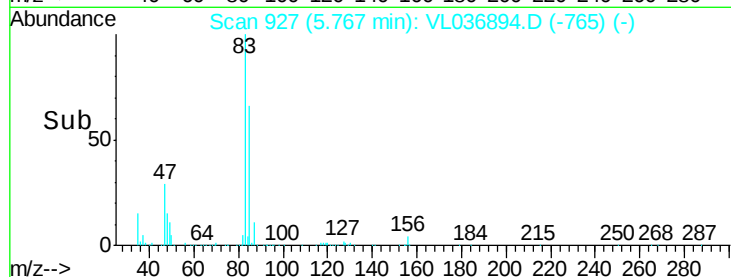
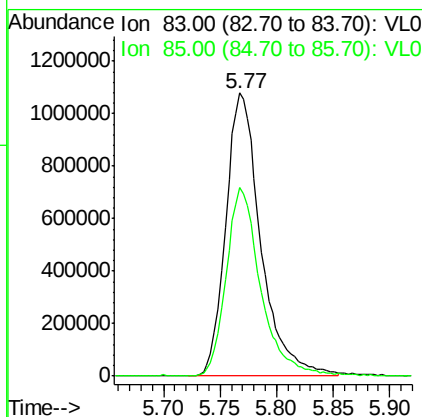
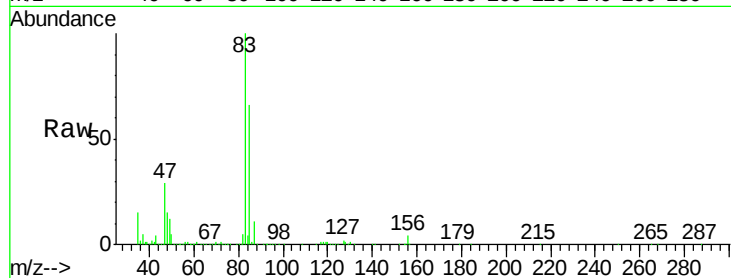
#29
Chloroform
Concen: 9.071 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2324970
Ion Ratio Lower Upper
83 100
85 66.2 52.2 78.4

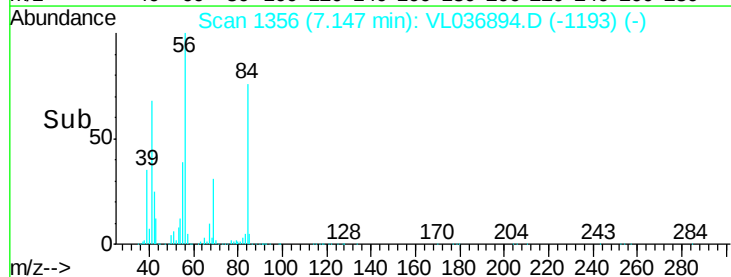
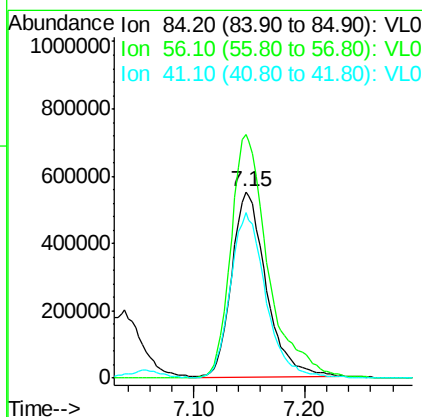
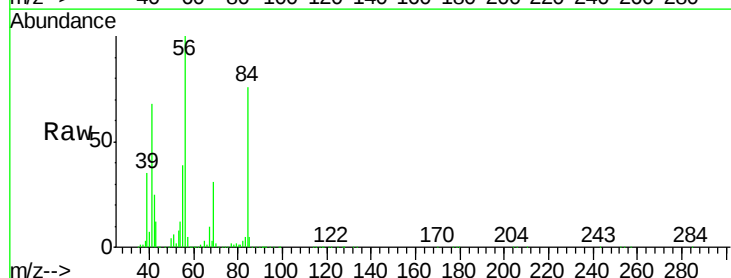
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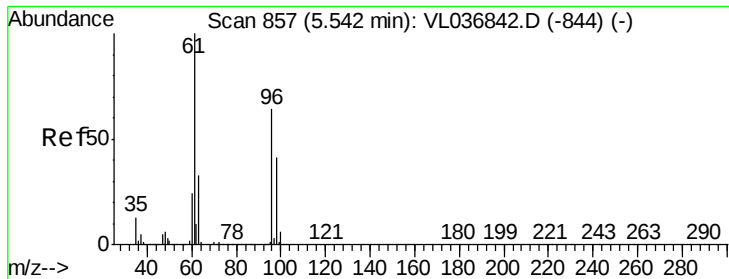
MMDadoda
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#30
Cyclohexane
Concen: 9.170 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion: 84 Resp: 1195443
Ion Ratio Lower Upper
84 100
56 142.5 115.8 173.6
41 90.8 74.6 111.8





#31

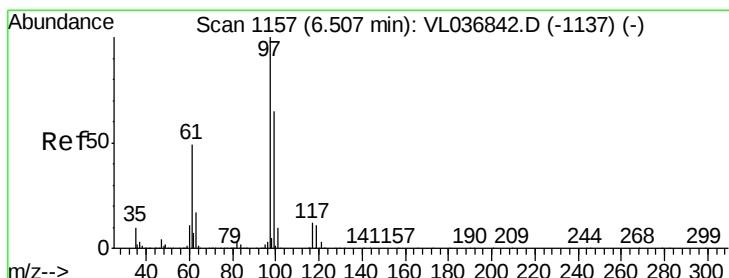
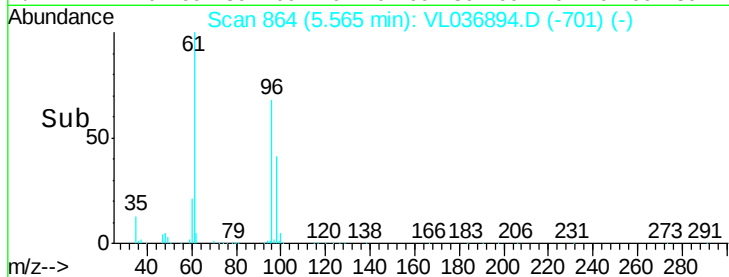
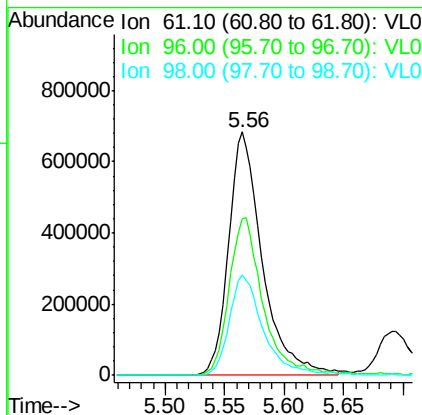
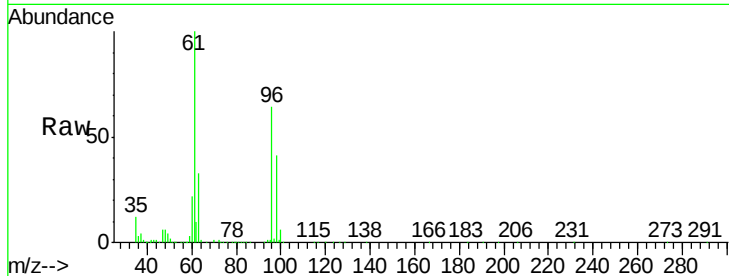
cis-1,2-Dichloroethene
 Concen: 9.096 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	51.0	76.6
98	41.0	32.7	49.1

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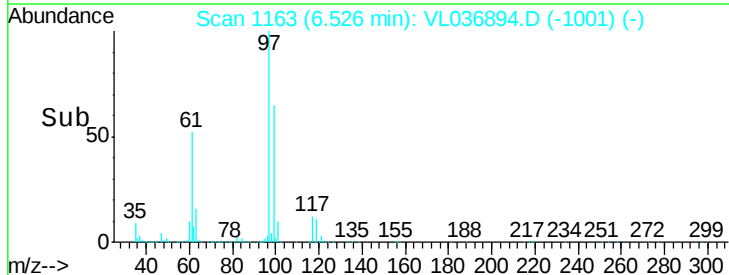
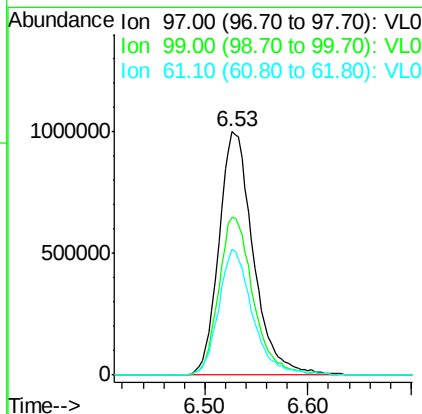
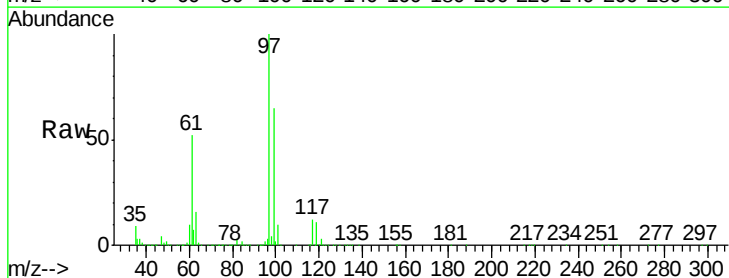
MMDadoda
 4/29/2021 5:53:19 PM

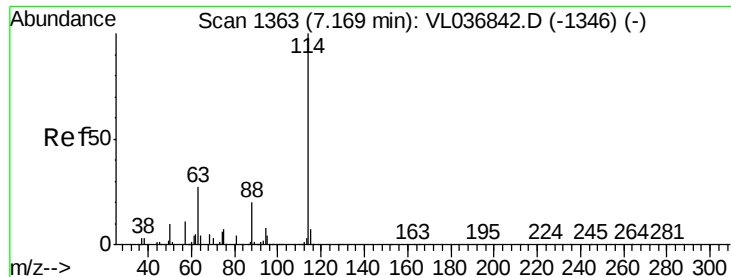


#32

1,1,1-Trichloroethane
 Concen: 8.826 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.6
61	51.6	40.8	61.2





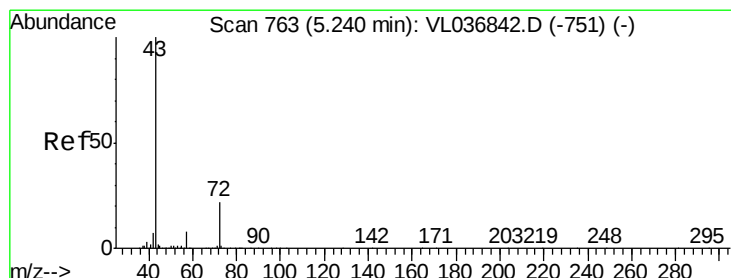
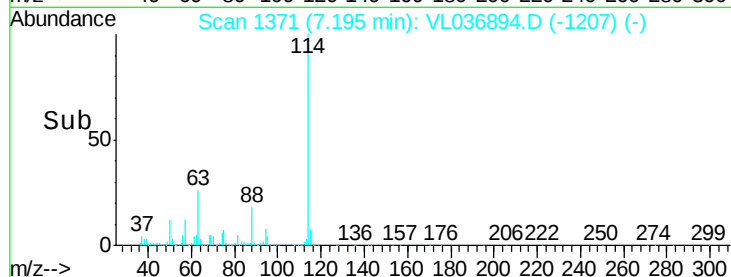
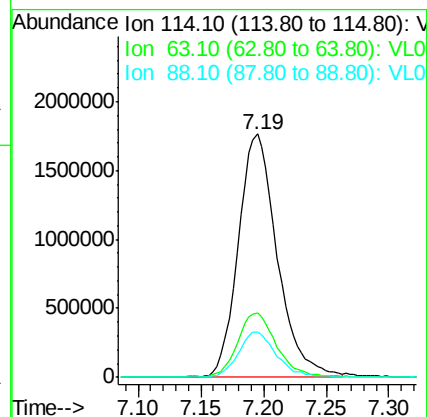
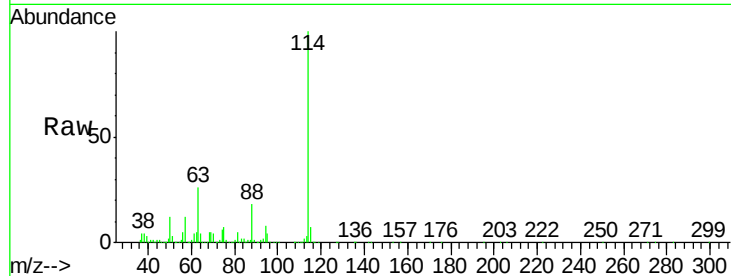
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.9	32.9
88	18.5	15.1	22.7

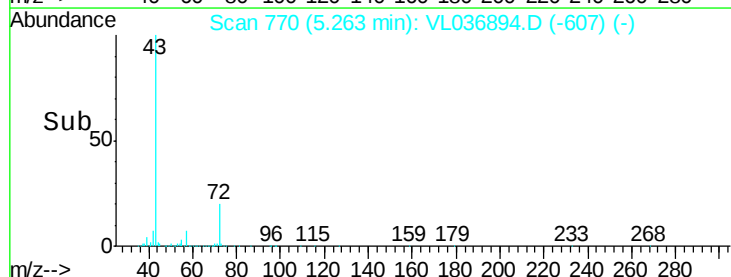
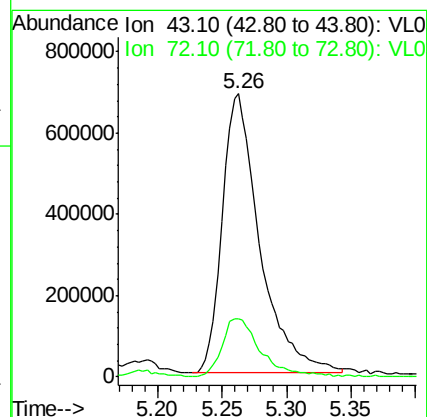
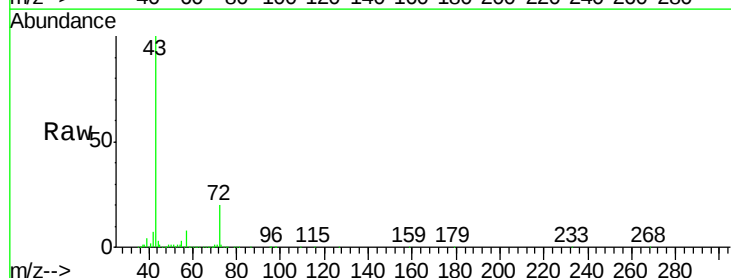
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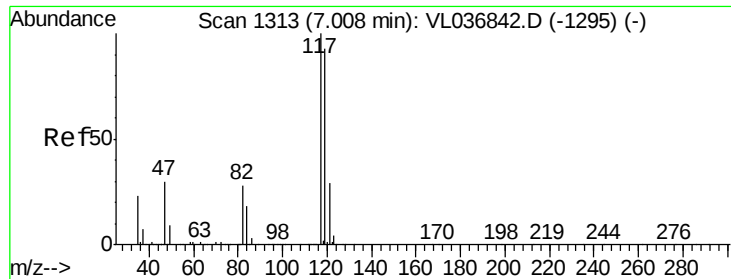
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#34
 2-Butanone
 Concen: 8.285 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.6	26.4





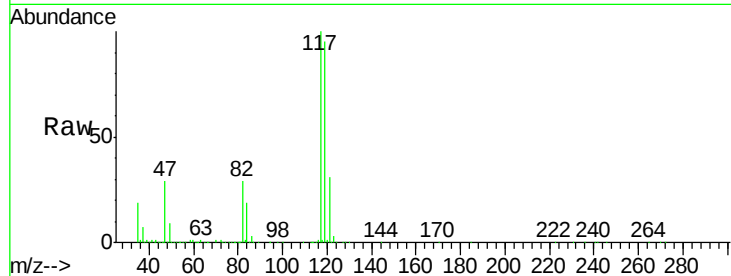
#35
Carbon Tetrachloride
Concen: 9.549 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

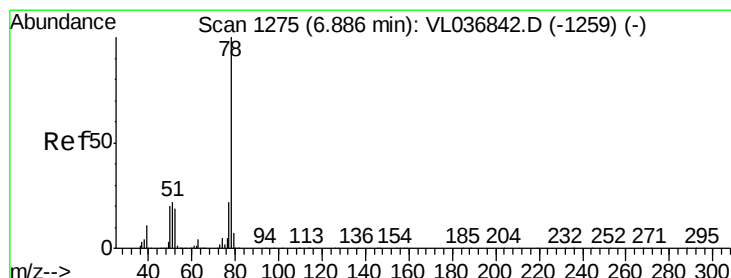
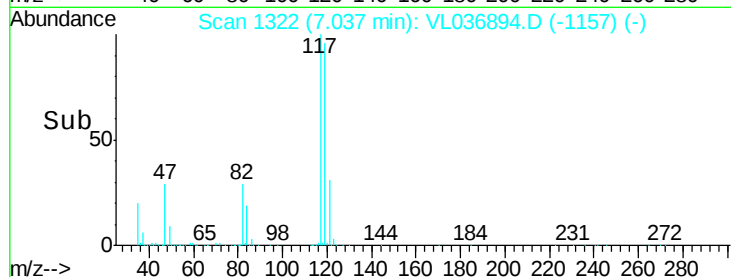
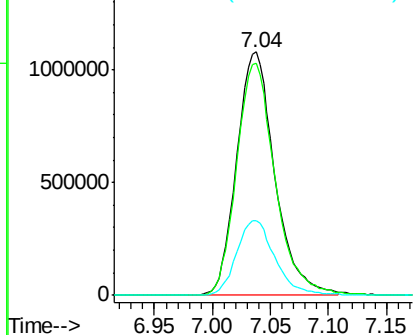
Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.6	111.8
121	30.8	23.3	34.9

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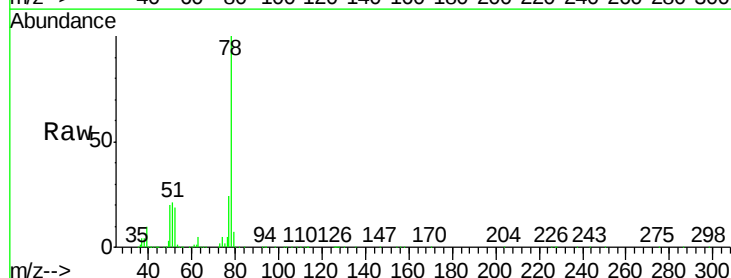


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

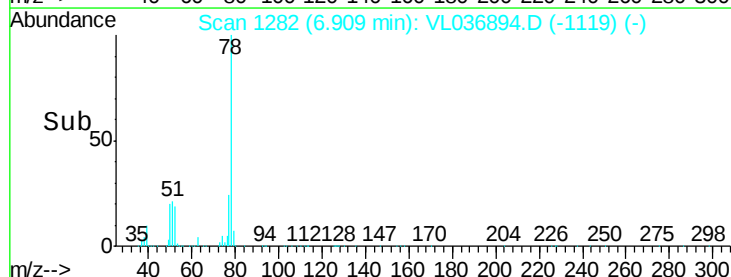
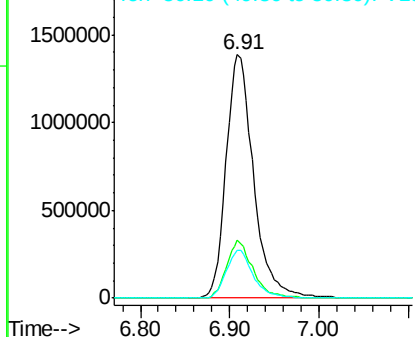


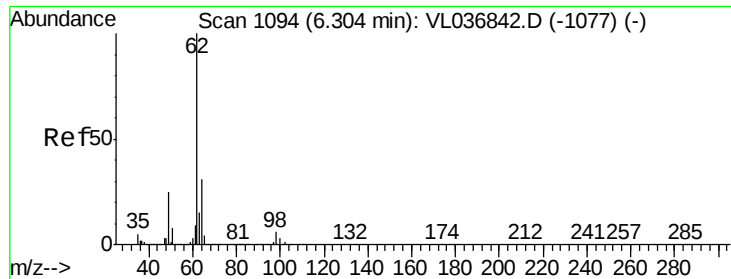
#36
Benzene
Concen: 9.236 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.6	26.4
50	19.6	16.3	24.5



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





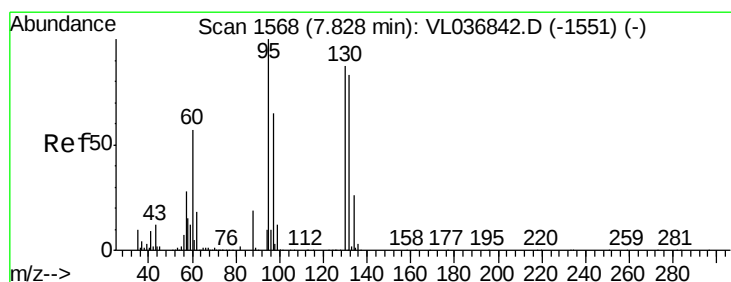
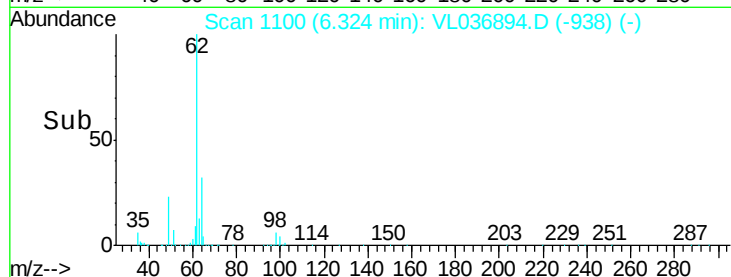
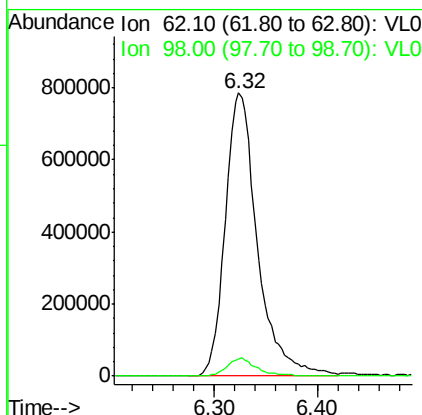
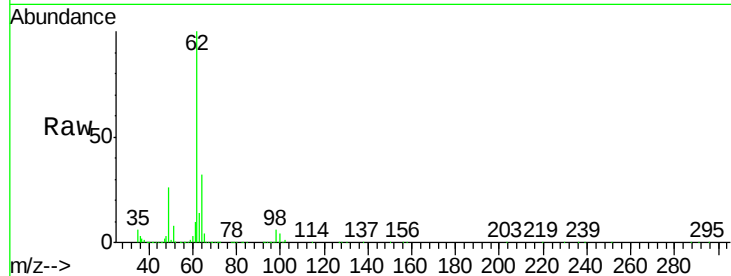
#37
 1,2-Dichloroethane
 Concen: 9.436 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1713114
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2

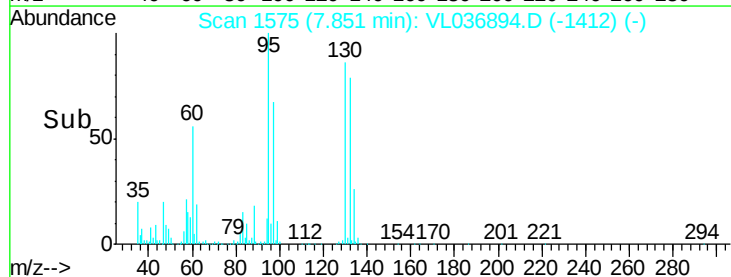
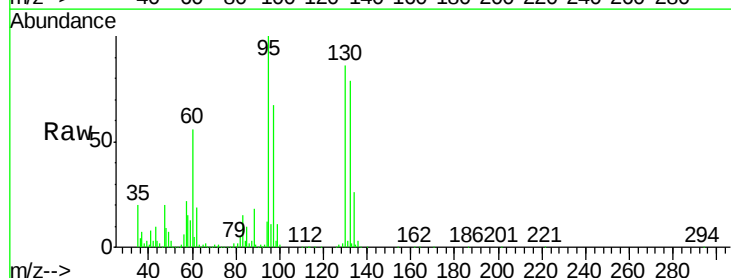
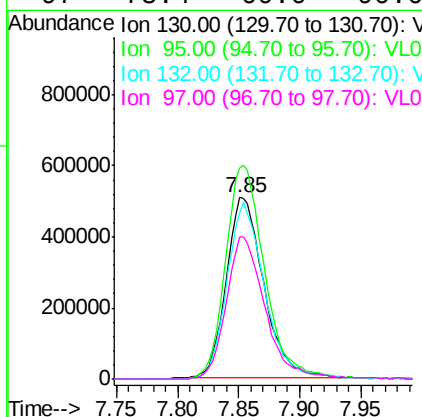
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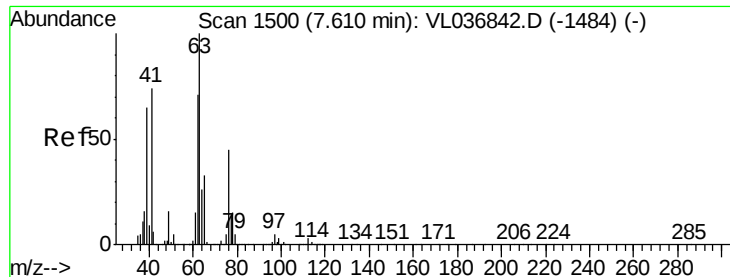
MMDadoda
 4/29/2021 5:53:19 PM



#38
 Trichloroethene
 Concen: 9.510 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion:130 Resp: 1085538
 Ion Ratio Lower Upper
 130 100
 95 117.0 92.3 138.5
 132 91.8 76.8 115.2
 97 78.4 60.0 90.0





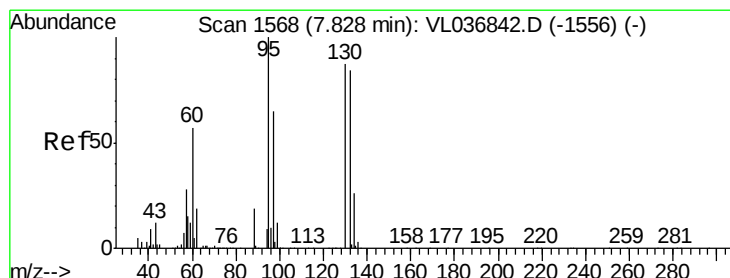
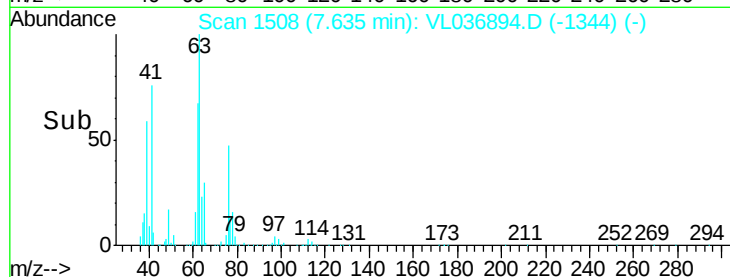
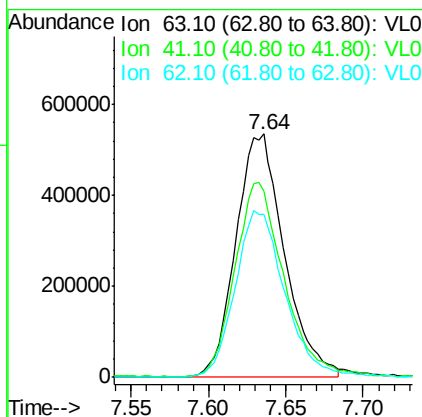
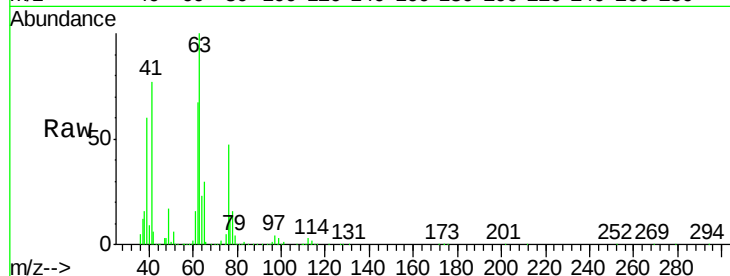
#39
 1,2-Dichloropropane
 Concen: 9.009 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.3	59.1	88.7
62	67.1	56.9	85.3

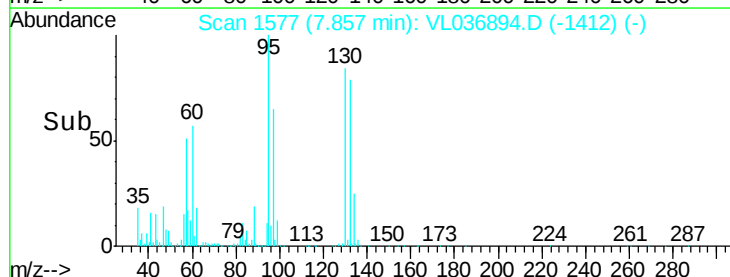
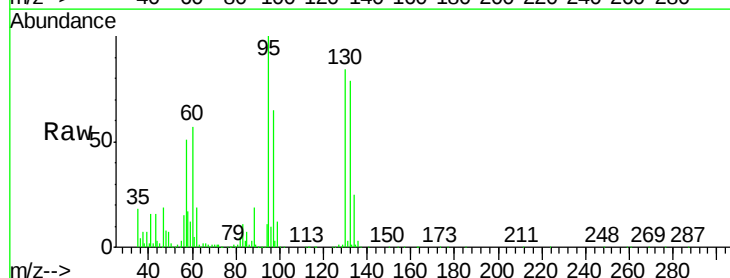
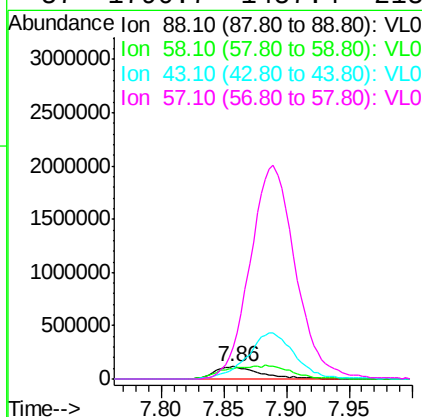
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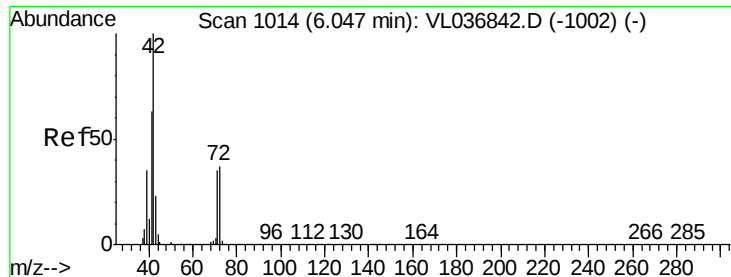
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#40
 1,4-Dioxane
 Concen: 9.156 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	164.5	132.6	198.8
43	406.1	331.5	497.3
57	1790.7	1457.4	2186.0





#41

Tetrahydrofuran

Concen: 7.826 ppbv

RT: 6.07 min Scan# 1022

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

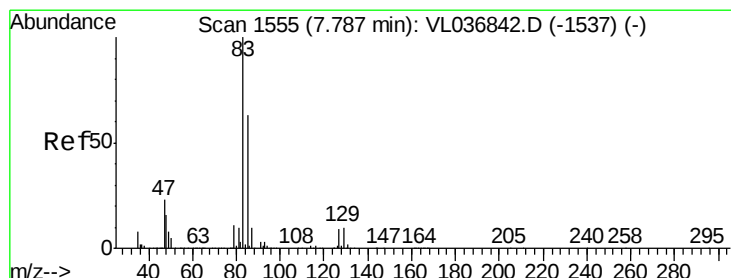
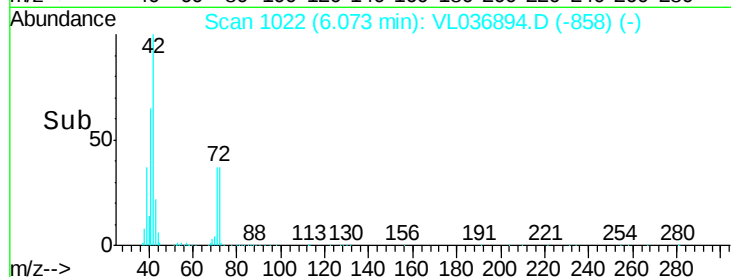
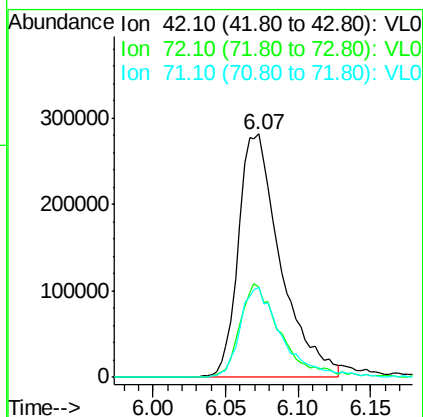
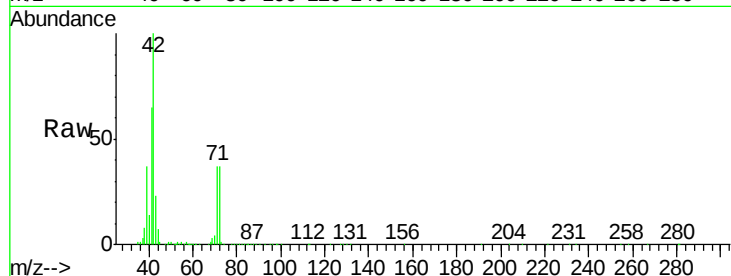
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	570600
Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.7	44.5
71	37.0	29.0	43.6

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#42

Bromodichloromethane

Concen: 9.868 ppbv

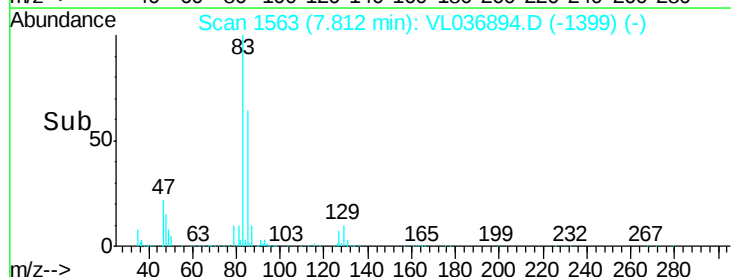
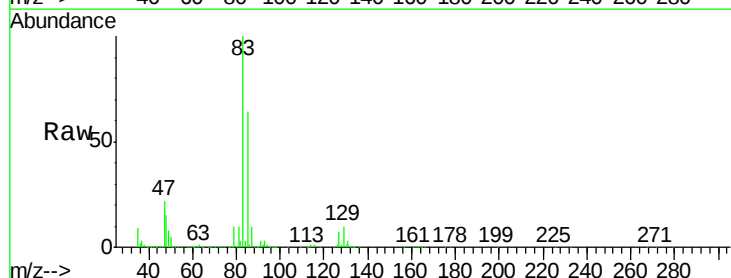
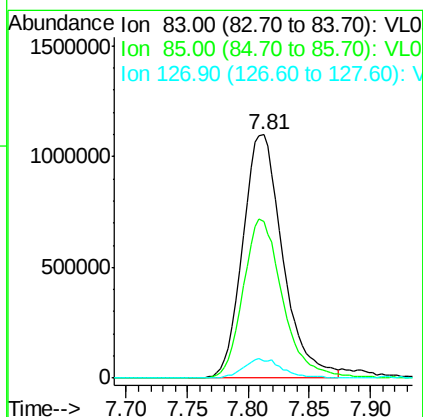
RT: 7.81 min Scan# 1563

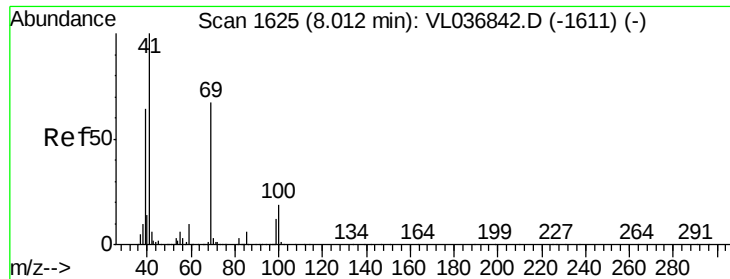
Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Tgt Ion:	83	Resp:	2489182
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6
127	7.2	6.9	10.3





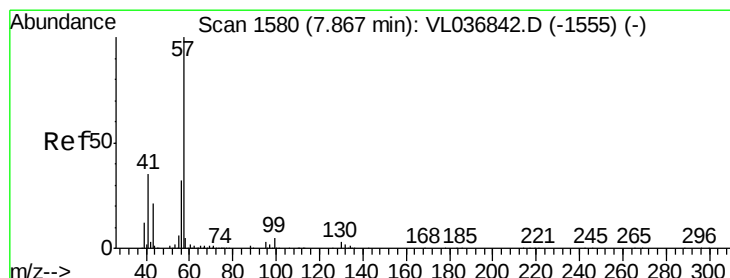
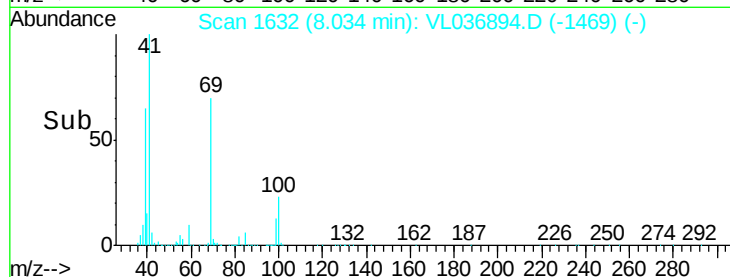
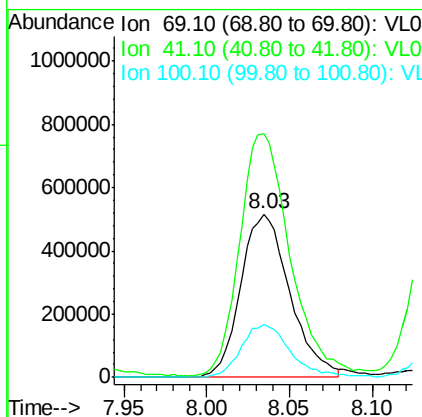
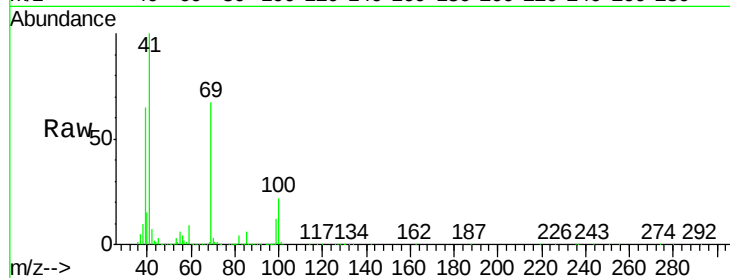
#43
Methvl Methacrilate
Concen: 10.118 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1058453
Ion Ratio Lower Upper
69 100
41 155.3 124.2 186.4
100 32.7 25.5 38.3

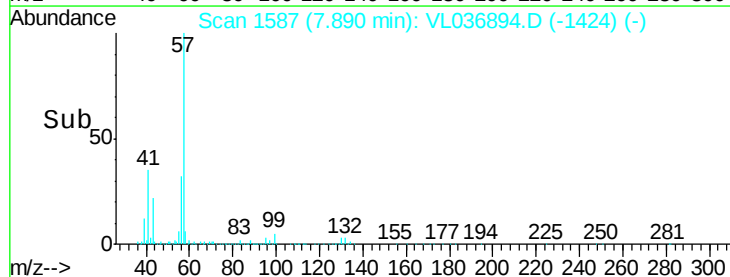
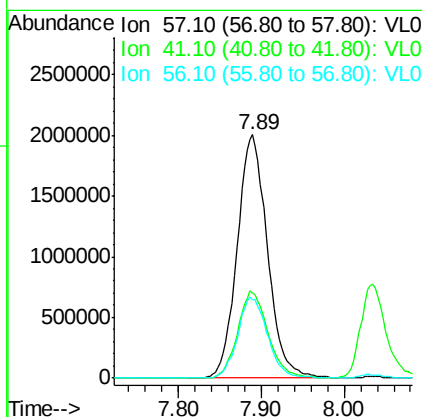
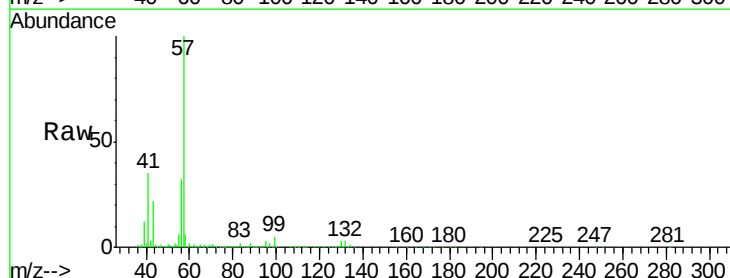
Manual Integrations
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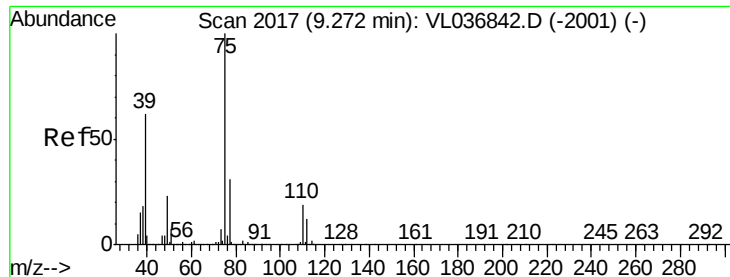
MMDadoda
4/29/2021 5:53:19 PM



#44
2,2,4-Trimethylpentane
Concen: 9.253 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion: 57 Resp: 5083884
Ion Ratio Lower Upper
57 100
41 35.9 28.2 42.4
56 32.7 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 6.840 ppbv m

RT: 9.30 min Scan# 2025

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 771426

Ion Ratio Lower Upper

75 100

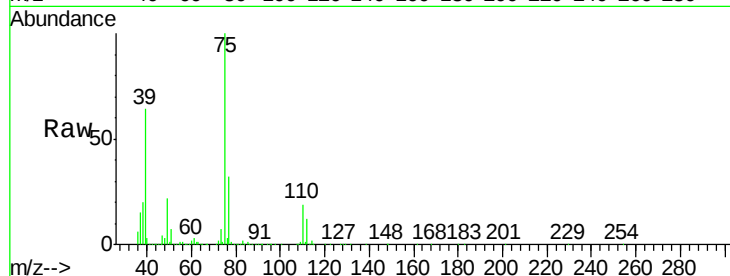
77 32.1 24.6 37.0

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

400000

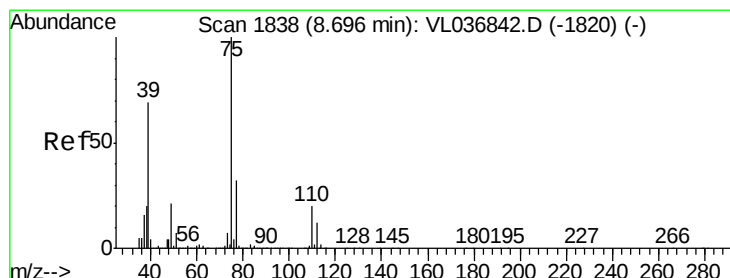
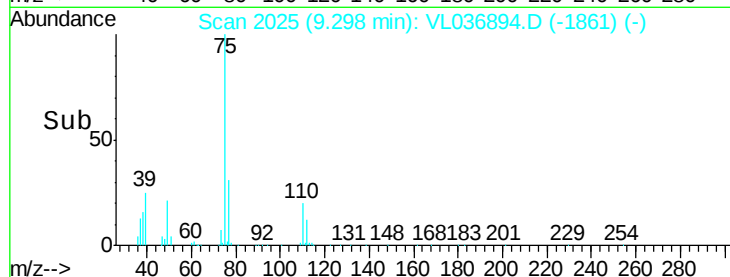
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 7.302 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

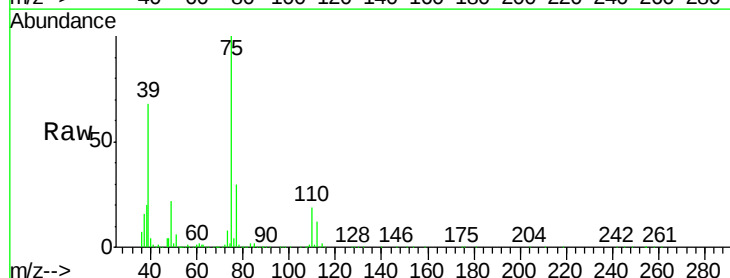
Tgt Ion: 75 Resp: 1055829

Ion Ratio Lower Upper

75 100

39 67.9 55.4 83.0

77 30.1 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

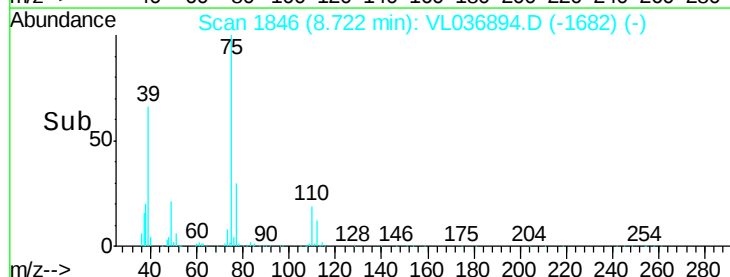
600000

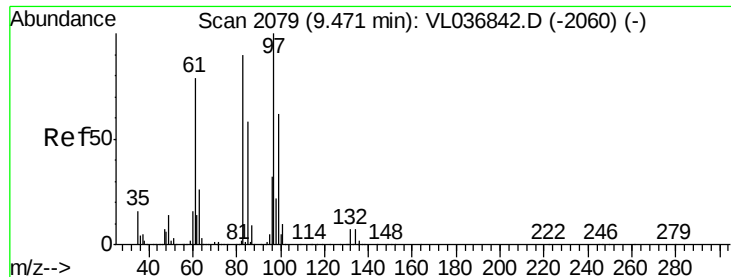
400000

200000

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Time-->





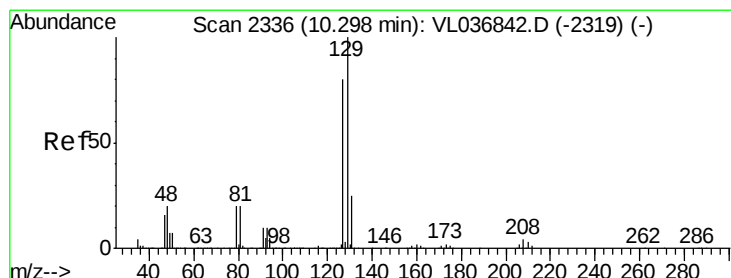
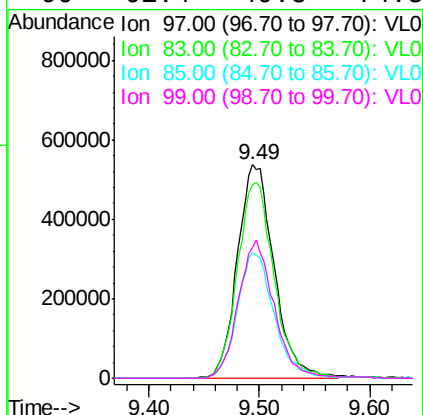
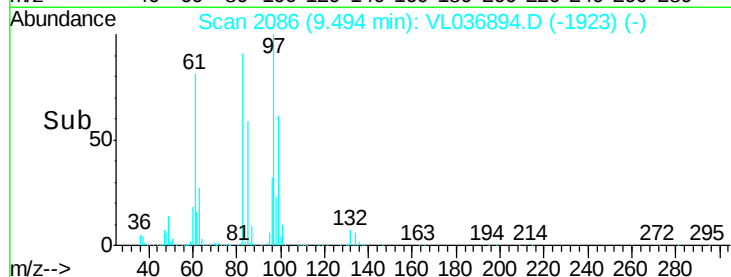
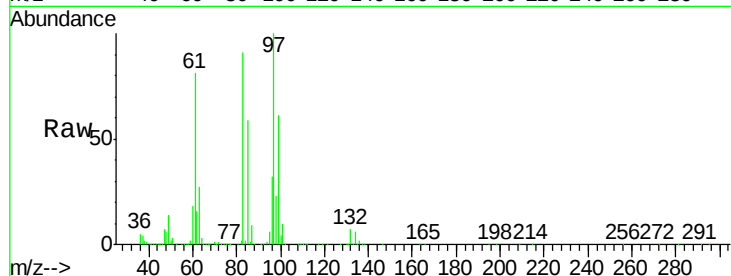
#47
 1,1,2-Trichloroethane
 Concen: 9.293 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.9	107.9
85	58.9	46.5	69.7
99	61.4	49.8	74.8

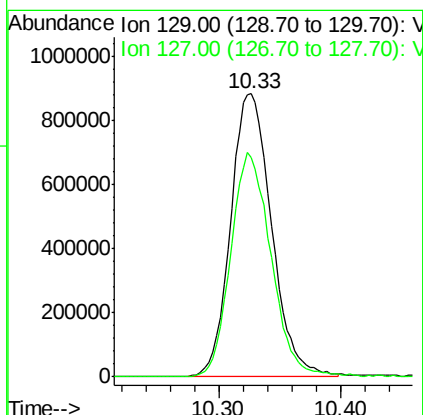
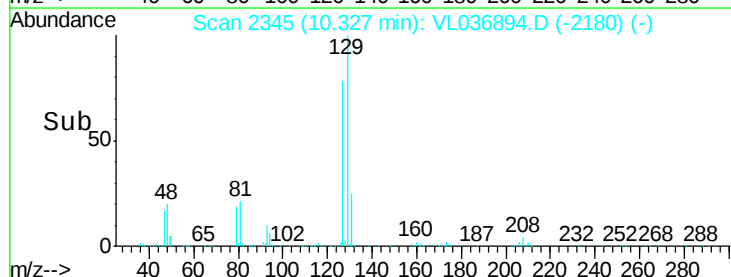
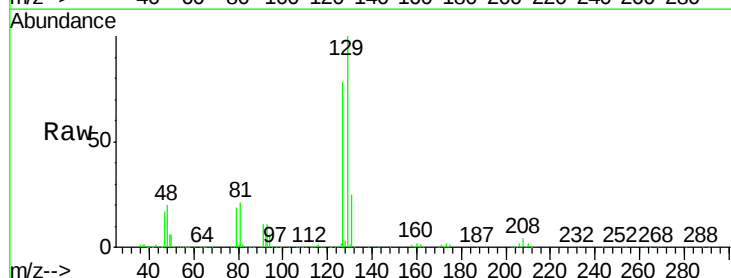
Manual Integrations
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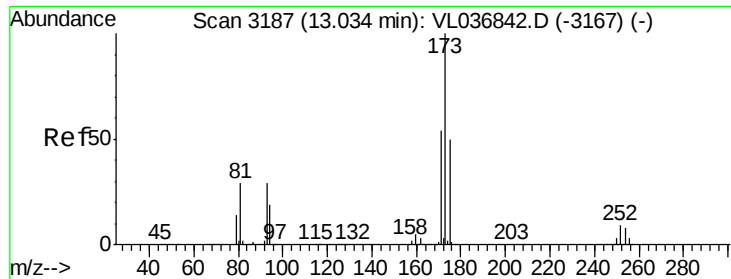
MMDadoda
 4/29/2021 5:53:19 PM



#48
 Dibromochloromethane
 Concen: 10.372 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.2	120.5





#49

Bromoform

Concen: 10.919 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1717588

Ion Ratio Lower Upper

173 100

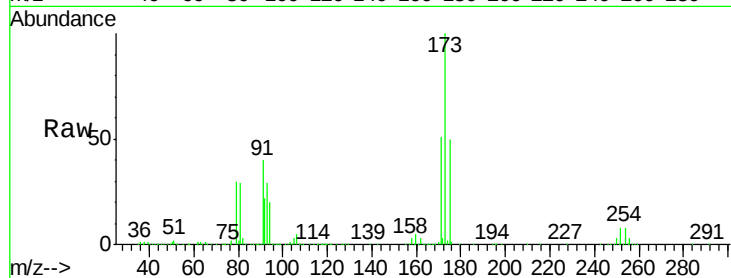
175 50.3 39.6 59.4

171 53.3 42.2 63.4

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MMDadoda

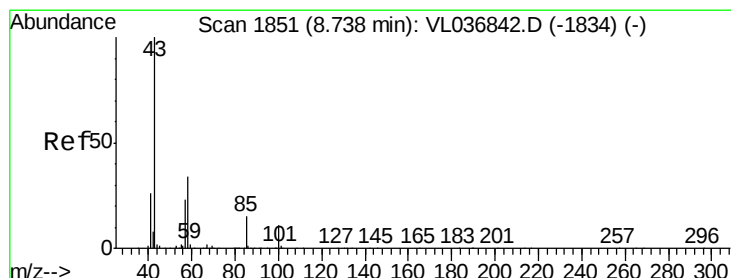
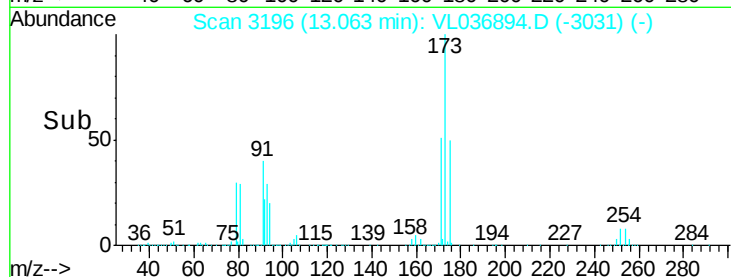
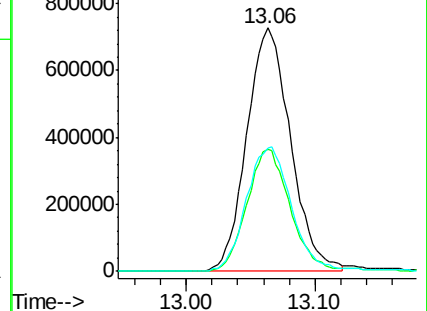
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.133 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.03 min

Lab File: VL036894.D

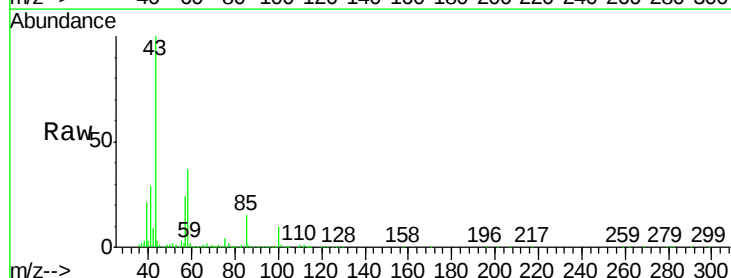
Acq: 29 Apr 2021 8:39

Tgt Ion: 43 Resp: 2080851

Ion Ratio Lower Upper

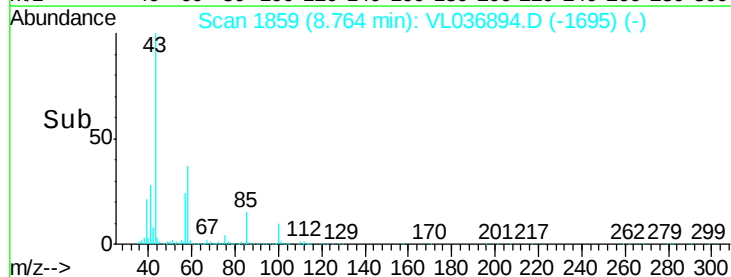
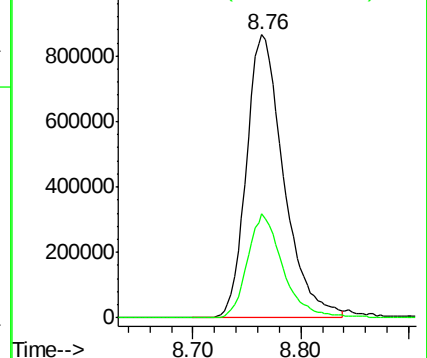
43 100

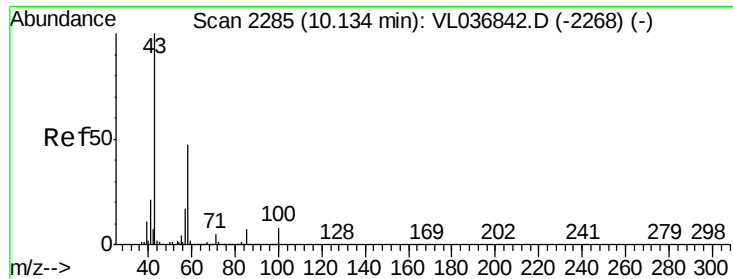
58 35.3 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





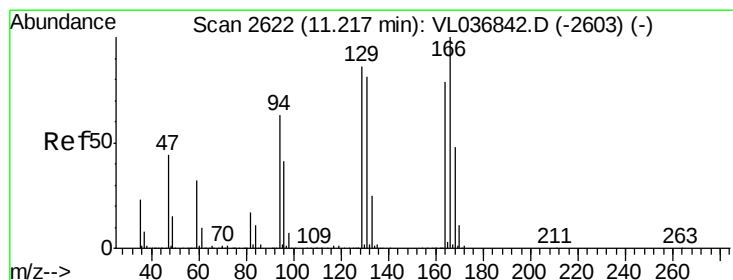
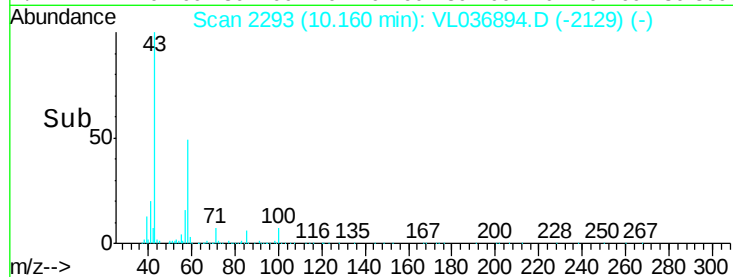
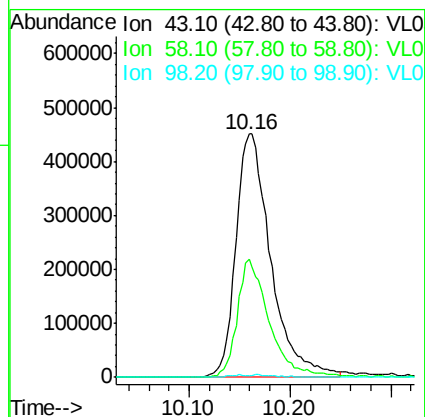
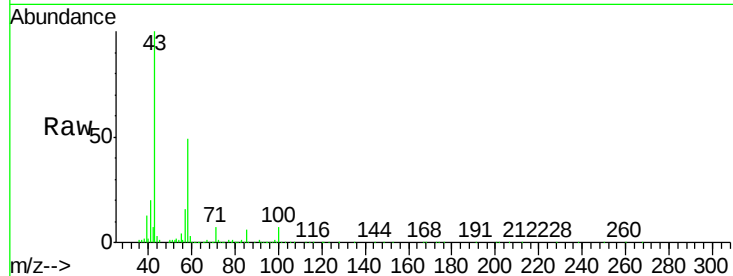
#51
2-Hexanone
Concen: 9.549 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1085150
Ion Ratio Lower Upper
43 100
58 45.0 37.0 55.6
98 1.3 0.2 0.4#

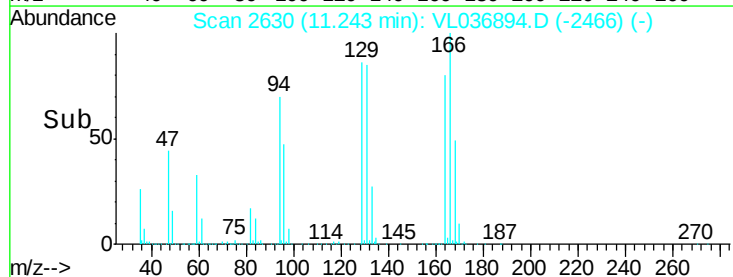
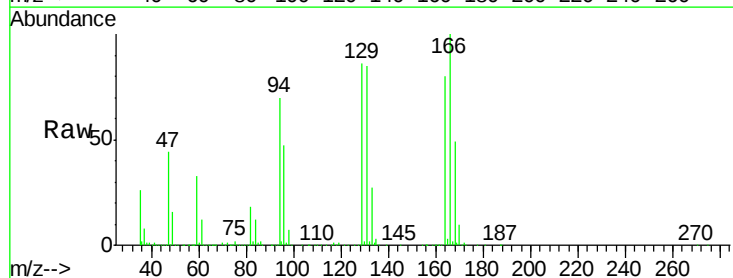
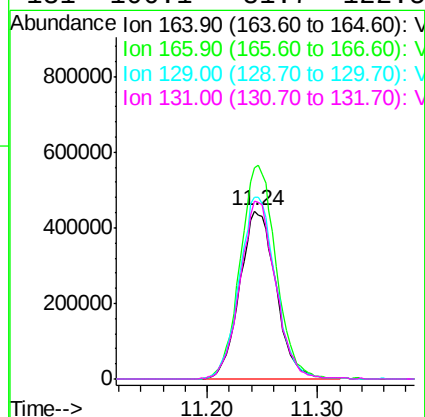
Manual Integrations
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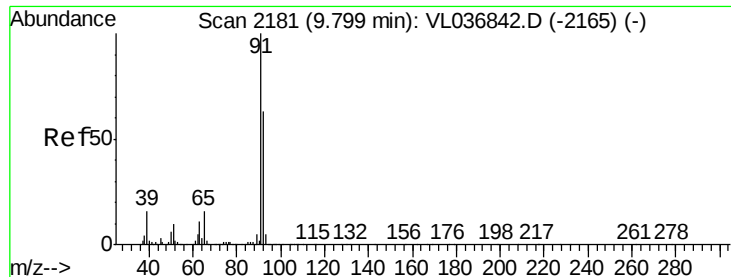
MMDadoda
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#52
Tetrachloroethene
Concen: 9.221 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion: 164 Resp: 1006669
Ion Ratio Lower Upper
164 100
166 125.4 100.9 151.3
129 107.9 87.0 130.4
131 106.1 81.7 122.5





#53

Toluene

Concen: 9.966 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3343286

Ion Ratio Lower Upper

91 100

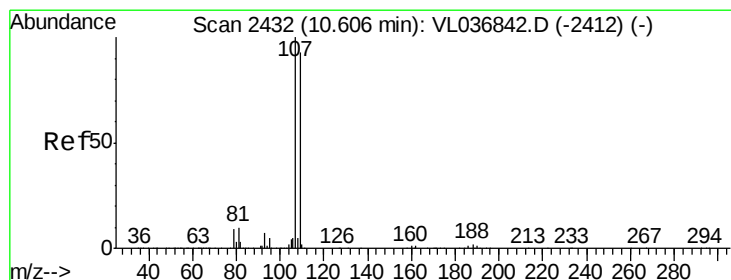
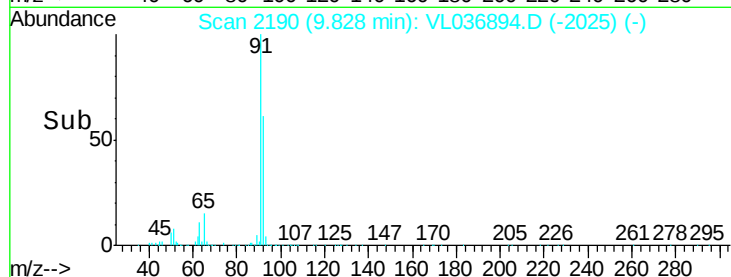
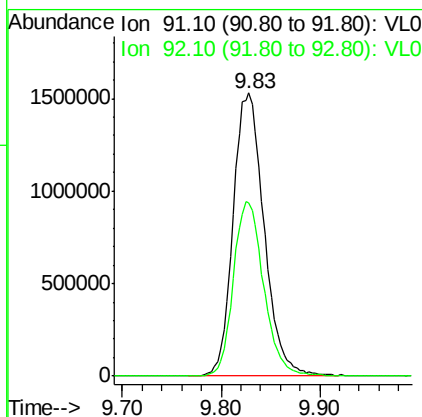
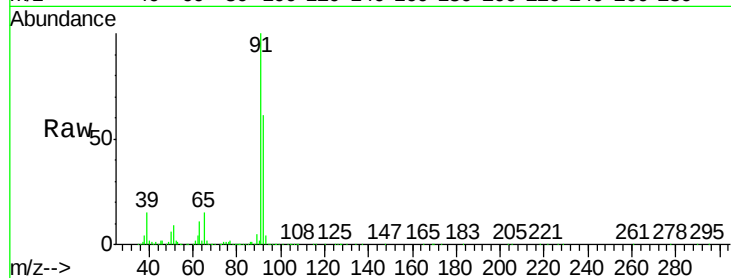
92 60.5 49.0 73.4

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.328 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.03 min

Lab File: VL036894.D

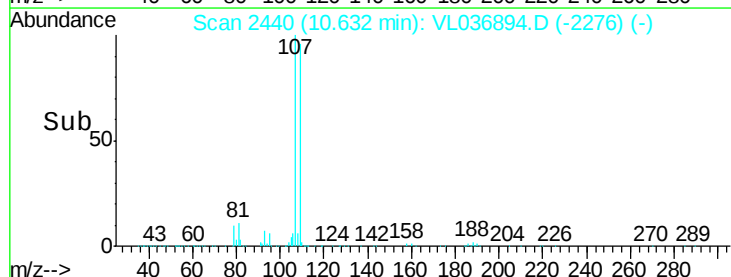
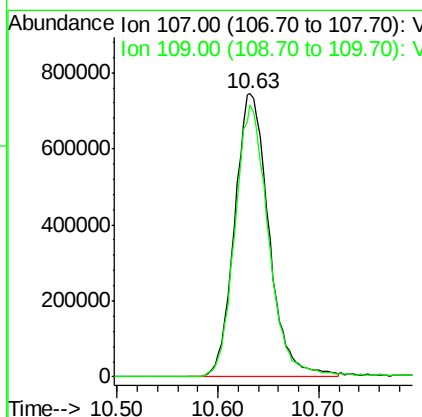
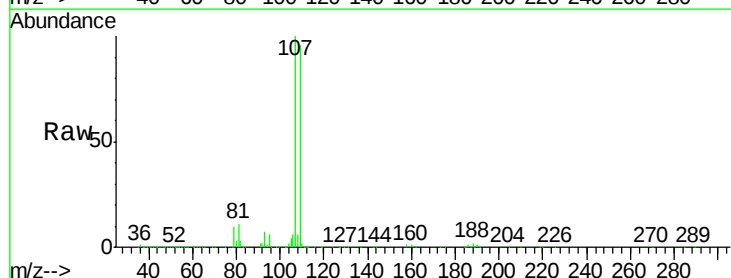
Acq: 29 Apr 2021 8:39

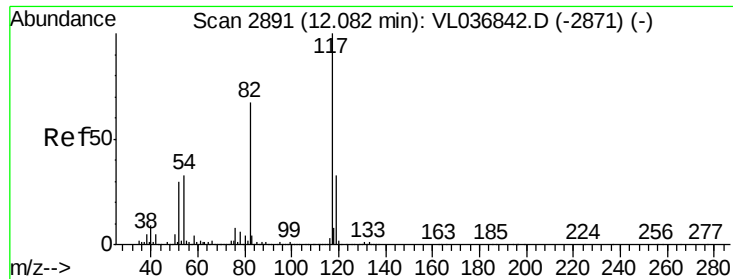
Tgt Ion: 107 Resp: 1751272

Ion Ratio Lower Upper

107 100

109 95.8 74.7 112.1





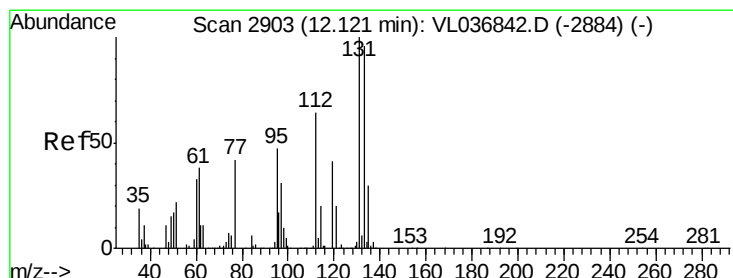
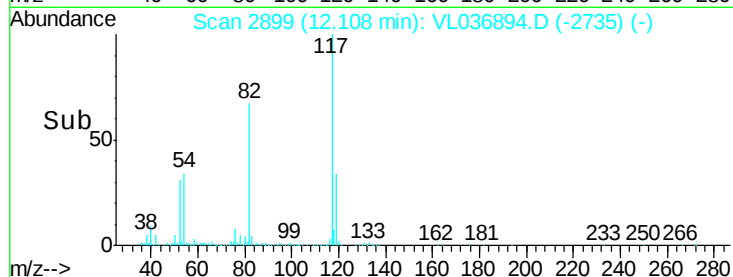
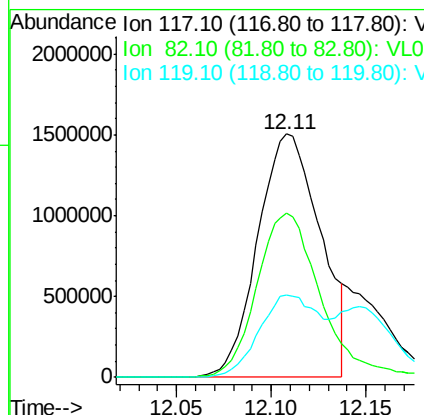
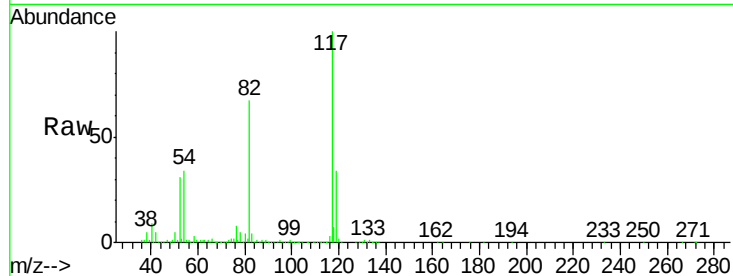
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3458325
Ion Ratio Lower Upper
117 100
82 70.1 53.5 80.3
119 59.9 25.6 38.4#

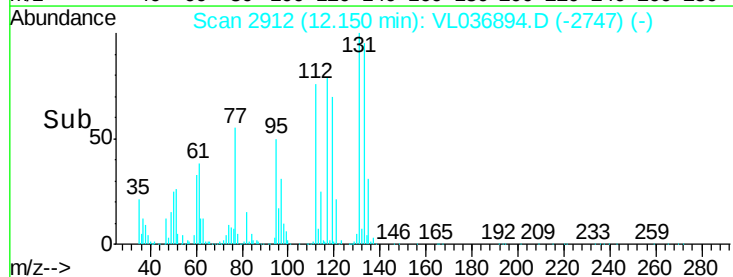
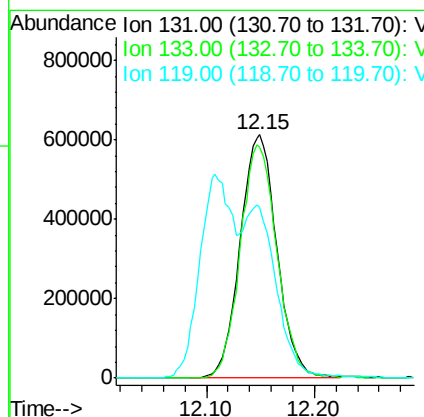
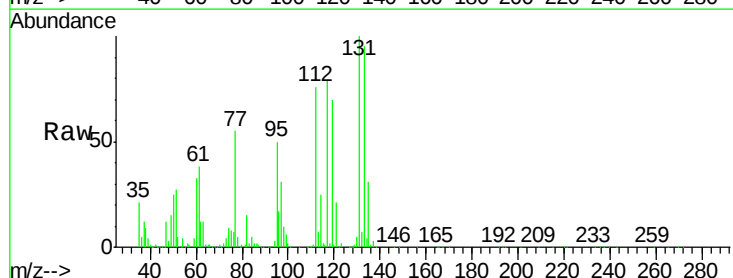
Manual Integrations
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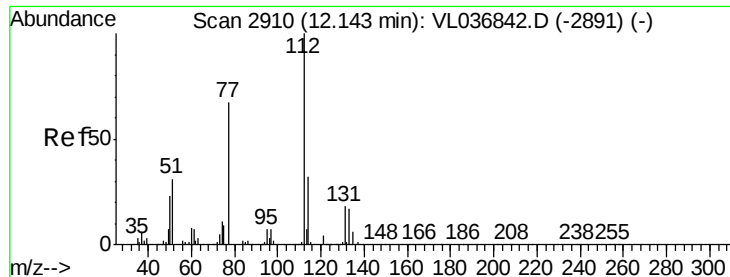
MMDadoda
4/29/2021 5:53:19 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.999 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion:131 Resp: 1449680
Ion Ratio Lower Upper
131 100
133 96.2 76.3 114.5
119 69.1 114.9 172.3#





#57

Chlorobenzene

Concen: 9.462 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2548716

Ion Ratio Lower Upper

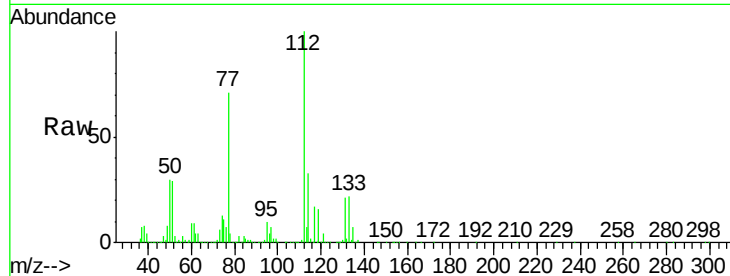
112 100

77 69.9 54.2 81.4

114 32.8 28.5 34.9

Manual Integrations
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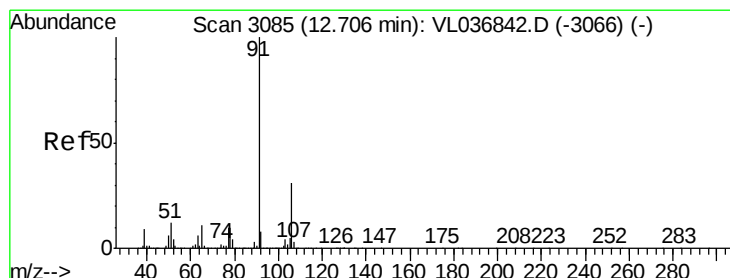
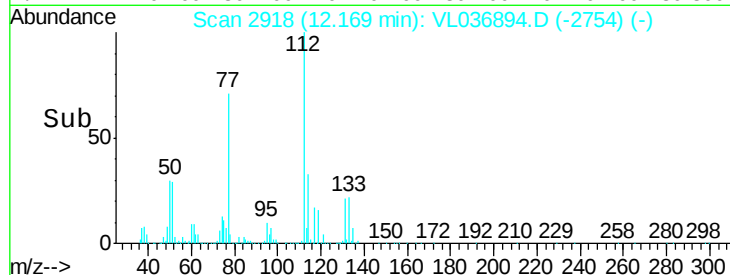
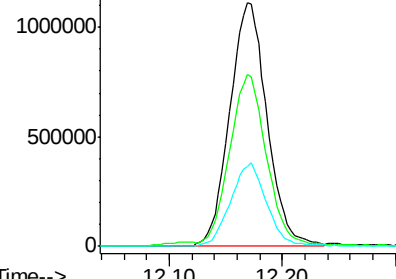
MMDadoda
4/29/2021 5:53:19 PM



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: 10.328 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.03 min

Lab File: VL036894.D

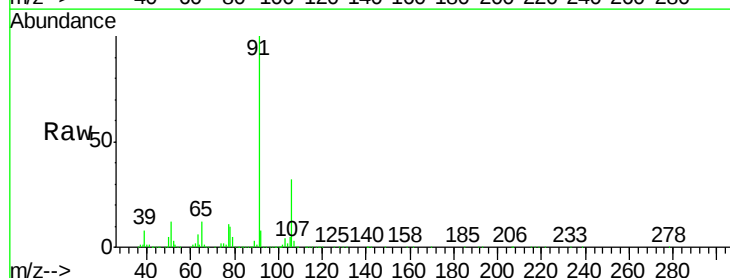
Acq: 29 Apr 2021 8:39

Tgt Ion: 91 Resp: 4530427

Ion Ratio Lower Upper

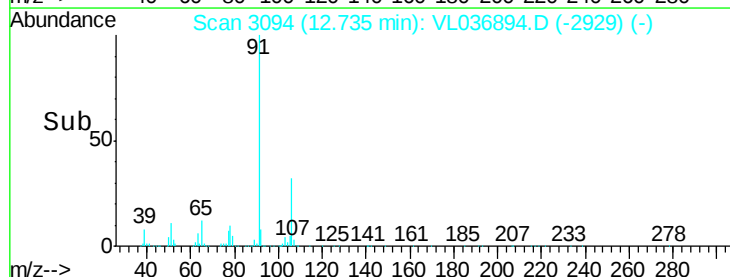
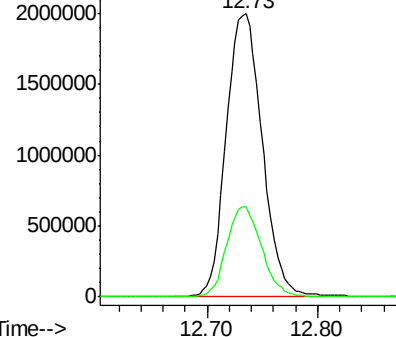
91 100

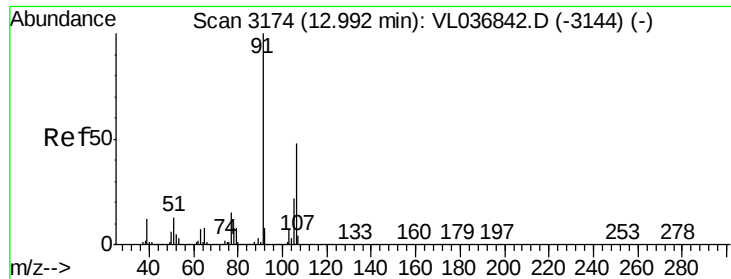
106 31.8 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





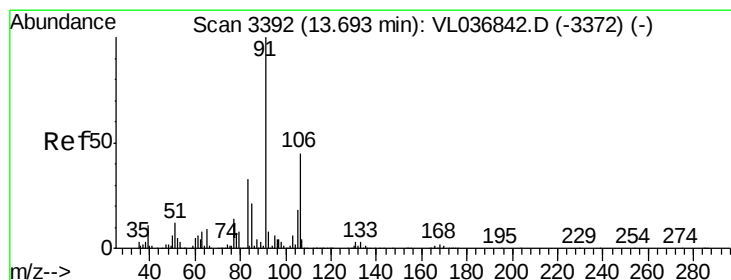
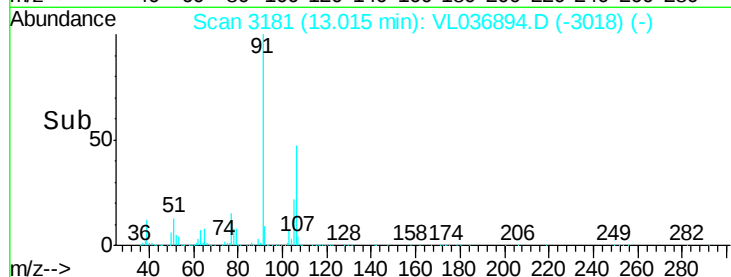
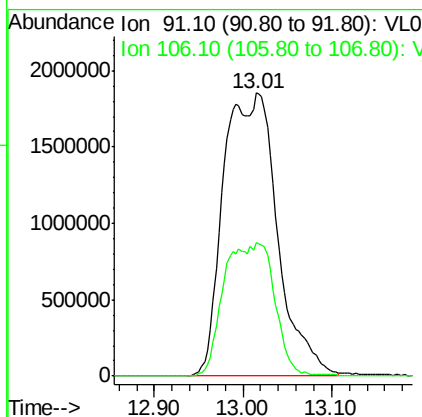
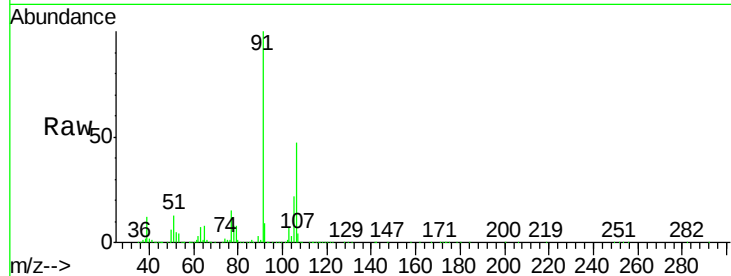
#59
m/p-Xylene
Concen: 19.999 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7840385
Ion Ratio Lower Upper
91 100
106 44.3 35.8 53.6

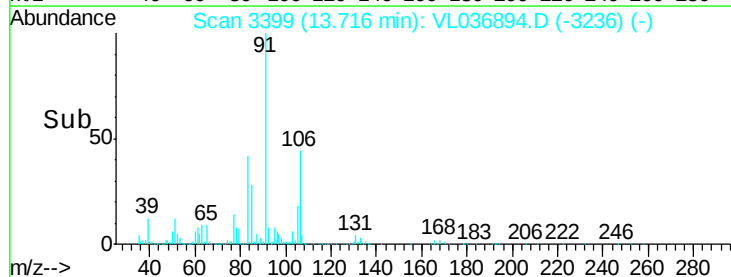
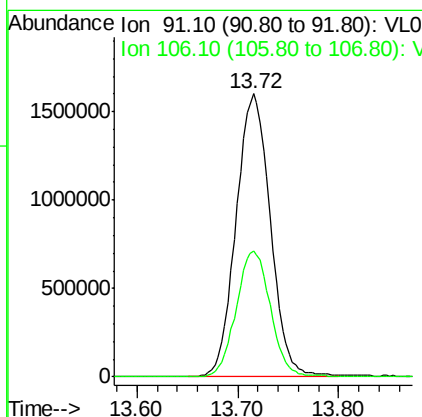
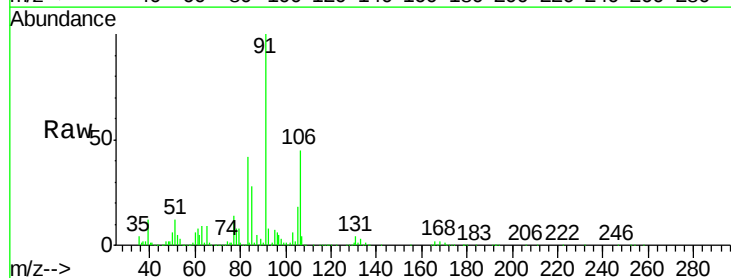
Manual Integrations
APPROVED

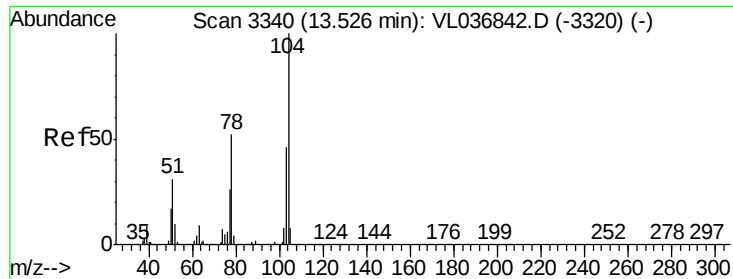
MMDadoda
4/29/2021 5:53:19 PM



#60
o-Xylene
Concen: 9.935 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion: 91 Resp: 3766228
Ion Ratio Lower Upper
91 100
106 45.0 22.6 67.7





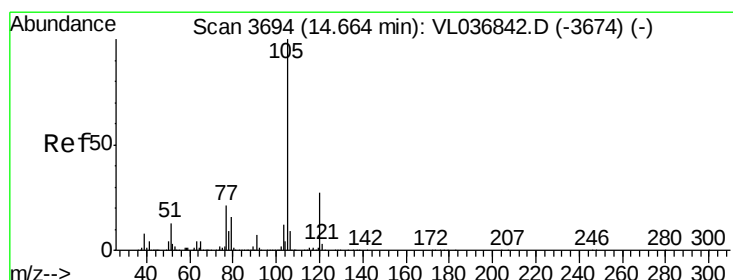
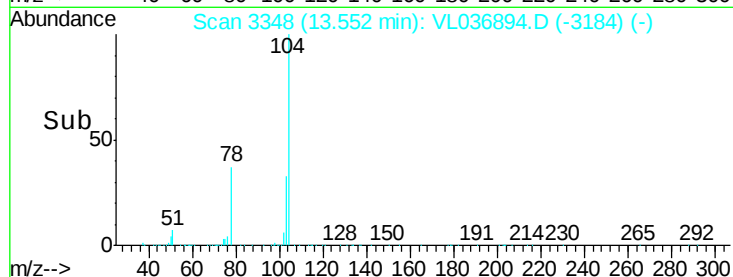
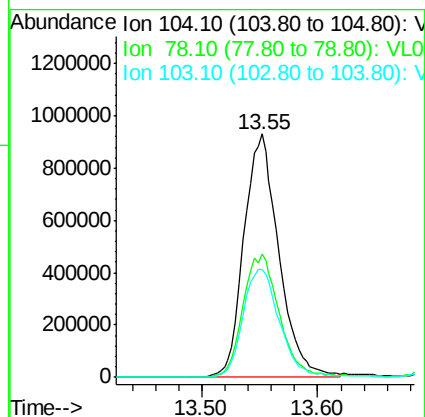
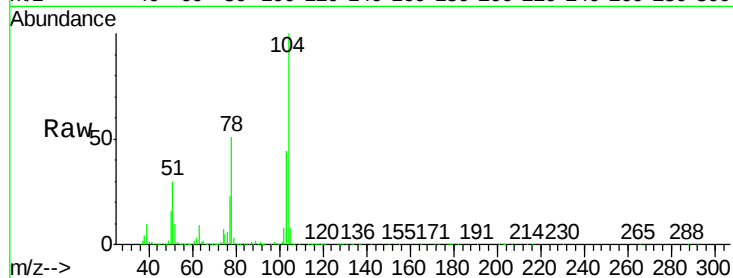
#61
Stvrene
Concen: 10.921 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 1944170
Ion Ratio Lower Upper
104 100
78 53.5 42.6 64.0
103 47.2 38.1 57.1

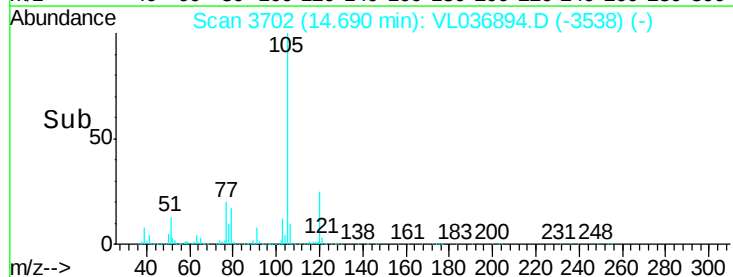
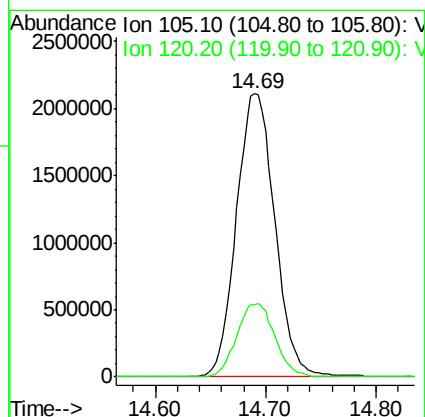
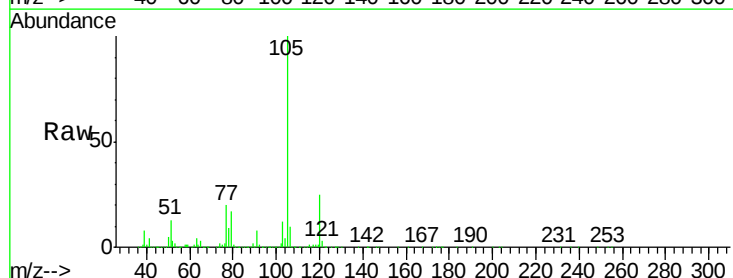
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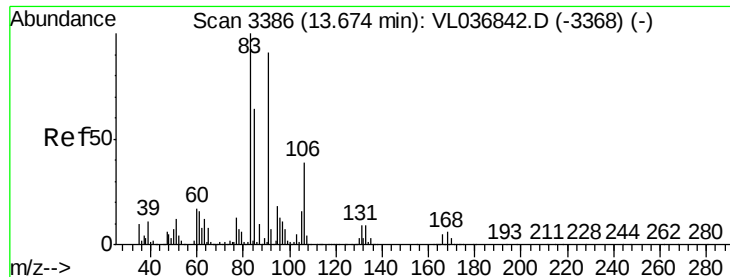
MMDadoda
4/29/2021 5:53:19 PM



#62
Isopropylbenzene
Concen: 9.856 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion:105 Resp: 5083265
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7





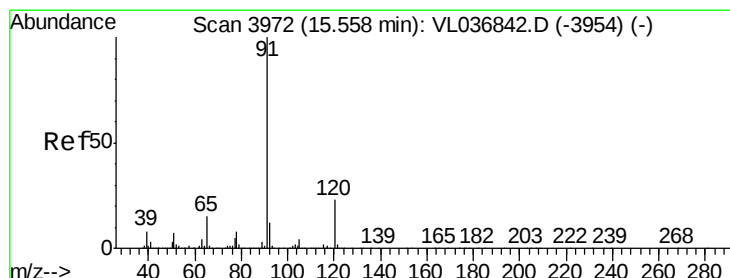
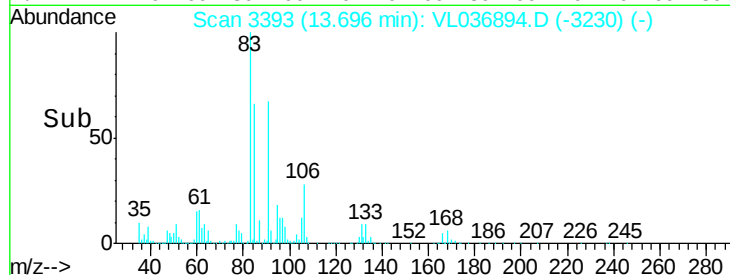
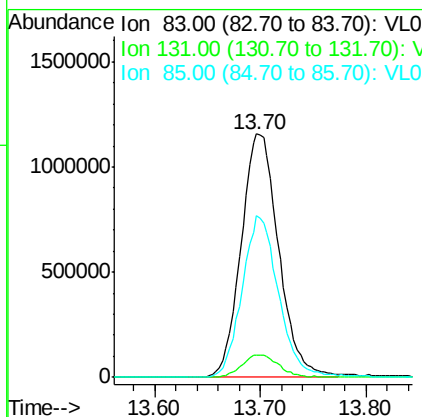
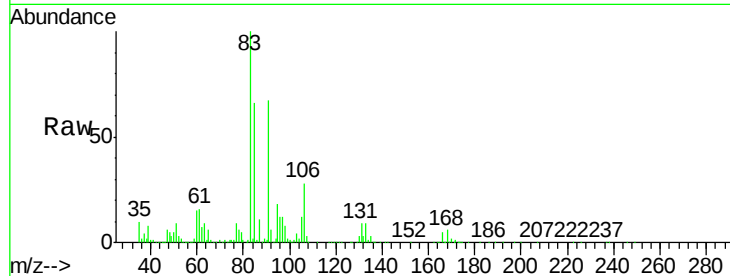
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.436 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	65.1	32.8	98.4

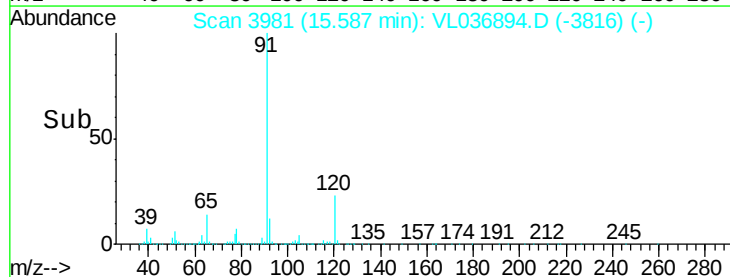
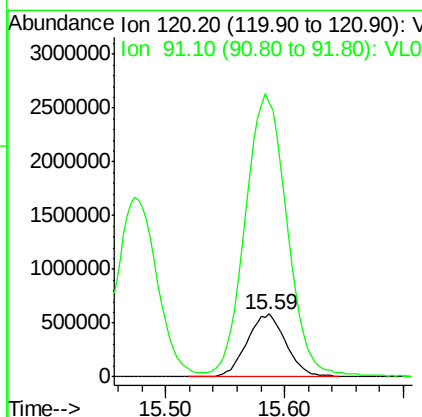
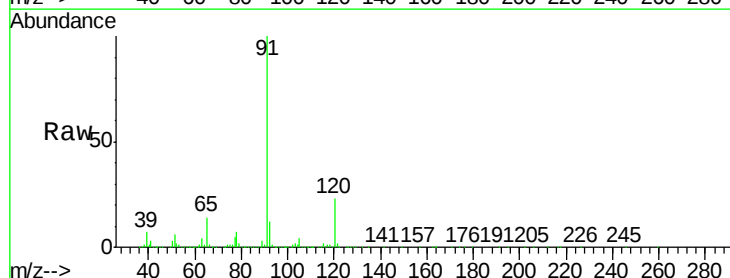
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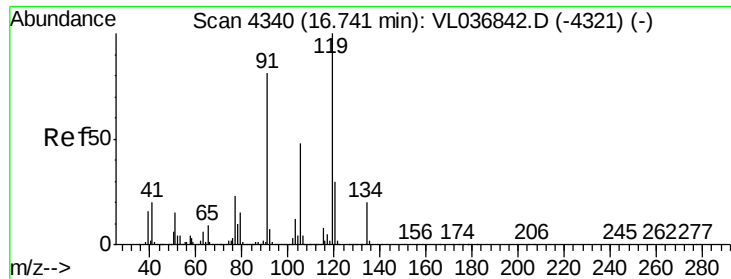
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#64
 n-propylbenzene
 Concen: 10.321 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
120	100		
91	484.5	378.6	567.8





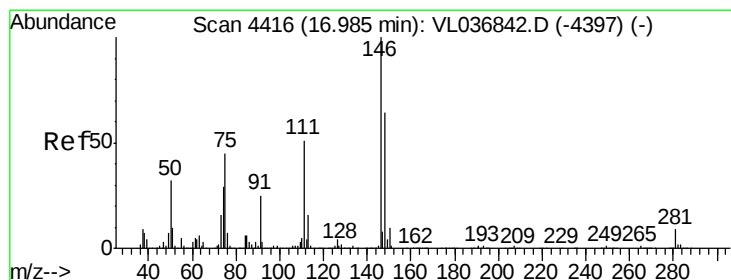
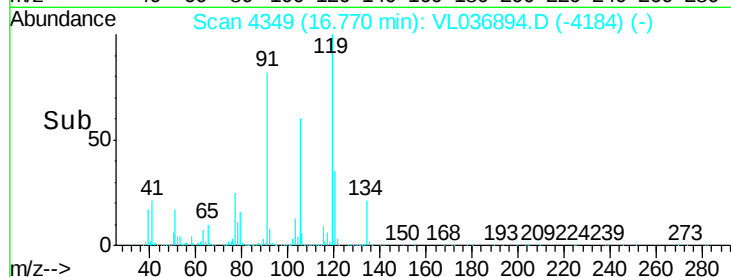
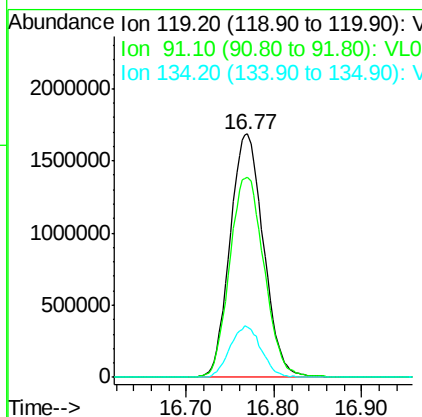
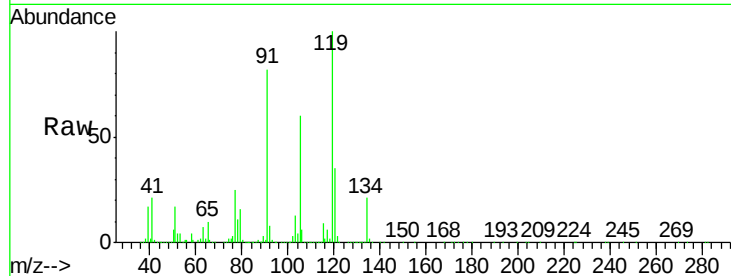
#65
tert-Butylbenzene
Concen: 9.813 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 4474686
Ion Ratio Lower Upper
119 100
91 85.0 67.0 100.6
134 19.8 15.8 23.6

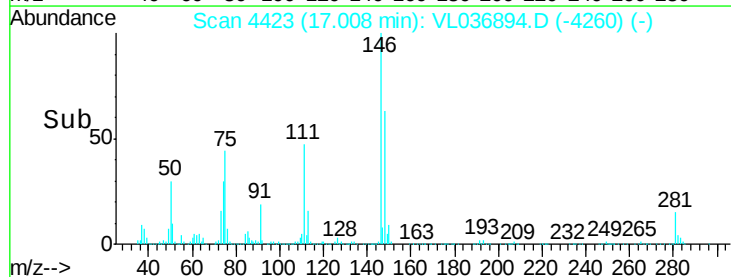
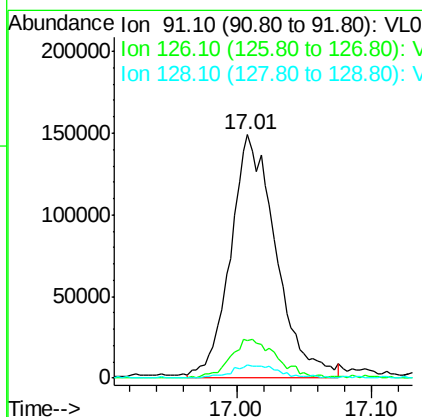
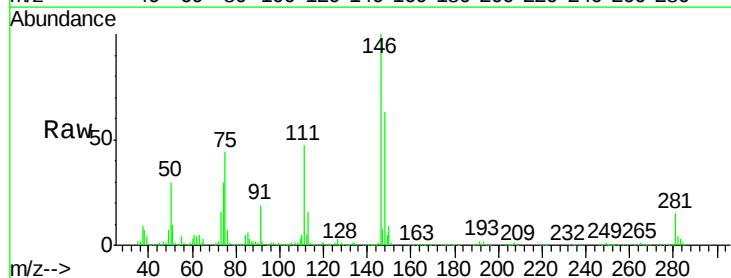
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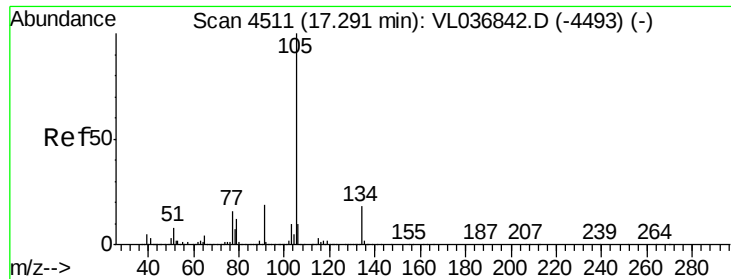
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#66
Benzyl Chloride
Concen: 7.860 ppbv m
RT: 17.01 min Scan# 4423
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion: 91 Resp: 350456
Ion Ratio Lower Upper
91 100
126 17.1 14.1 21.1
128 5.7 4.8 7.2





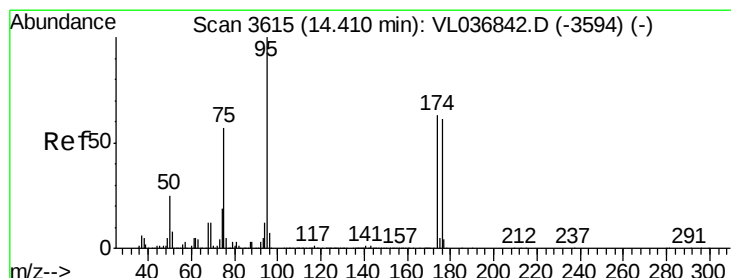
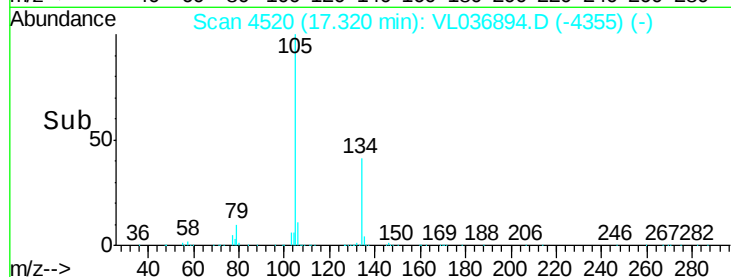
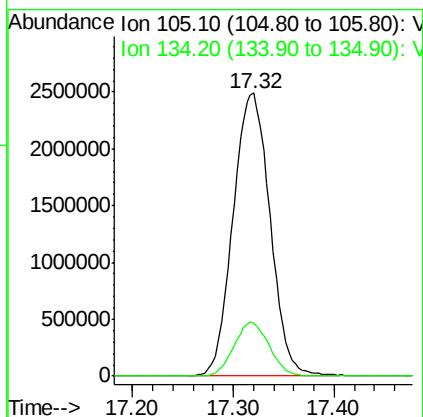
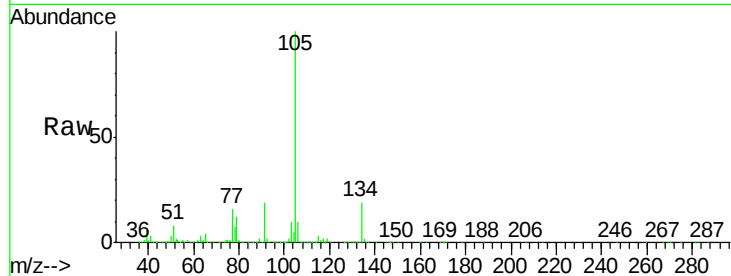
#67
 sec-Butylbenzene
 Concen: 9.982 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6320531
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.8 22.2

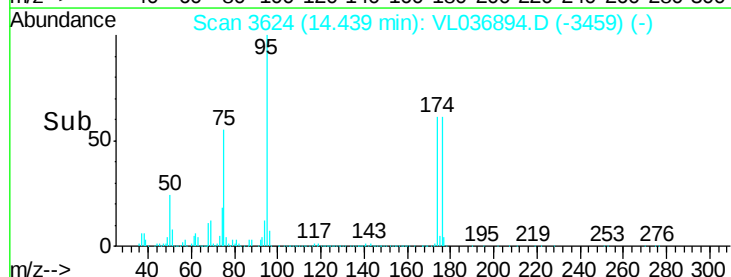
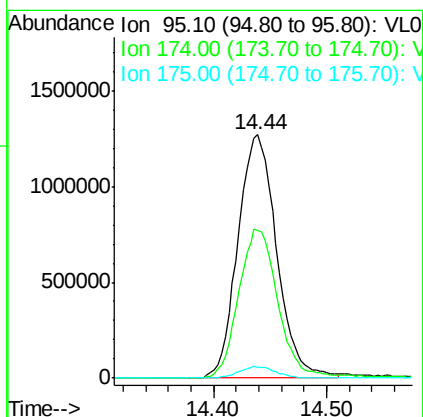
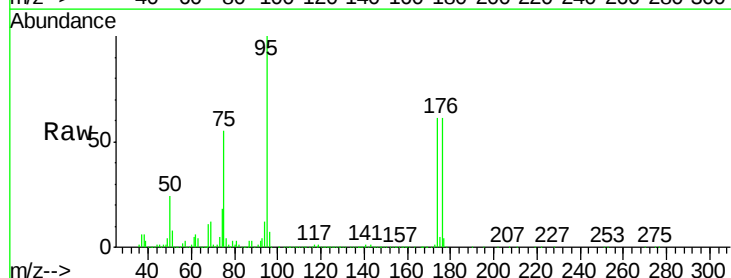
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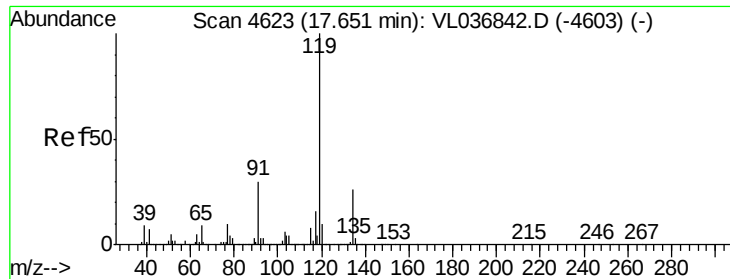
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.942 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion: 95 Resp: 3037630
 Ion Ratio Lower Upper
 95 100
 174 63.3 52.2 78.2
 175 4.7 4.0 6.0





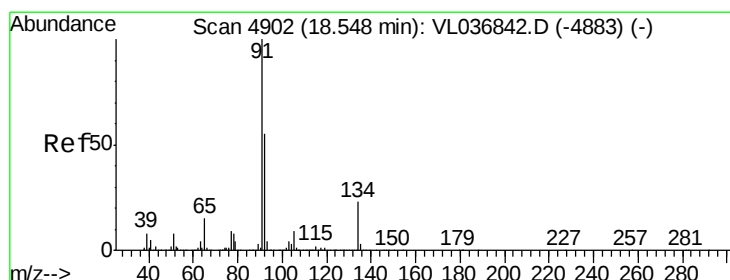
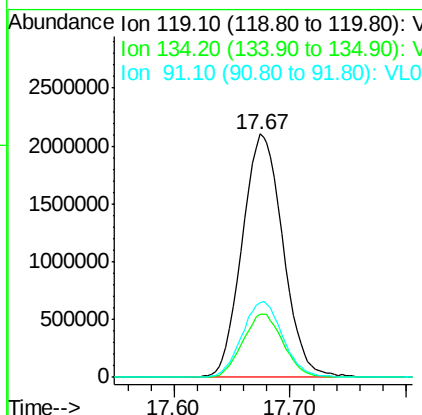
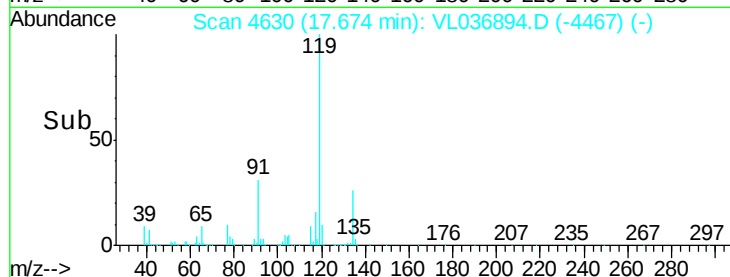
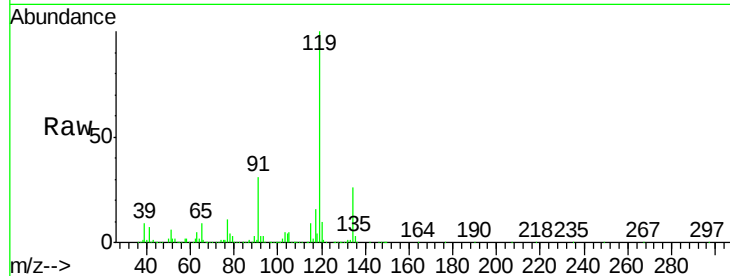
#69
 p-Isopropyltoluene
 Concen: 10.086 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.6	31.0
91	31.3	24.2	36.4

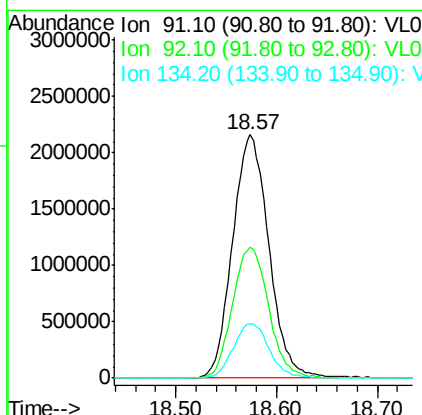
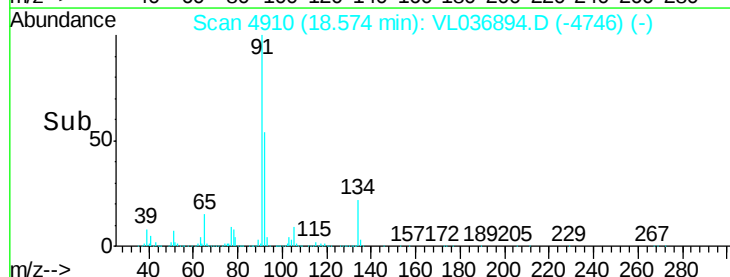
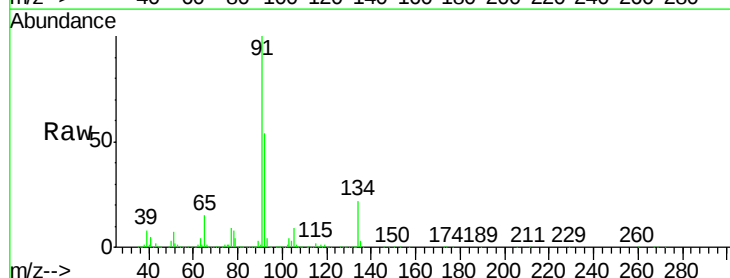
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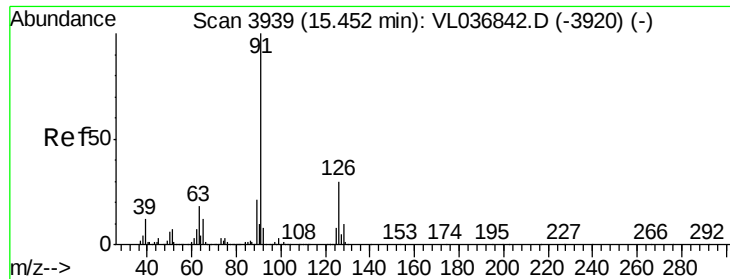
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#70
 n-Butylbenzene
 Concen: 10.546 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.5	65.3
134	22.2	18.2	27.4





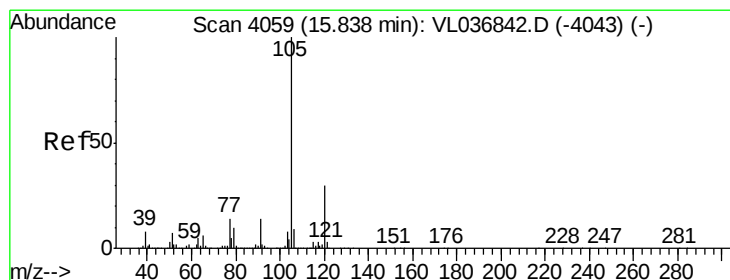
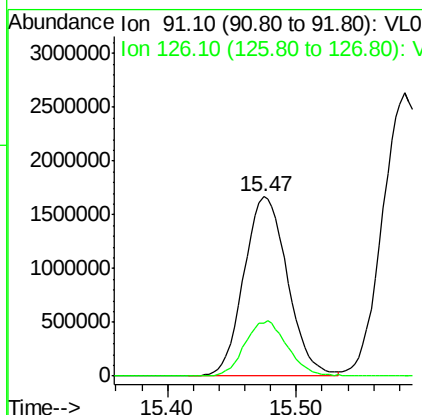
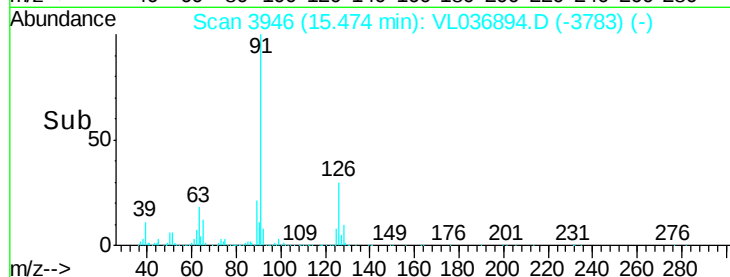
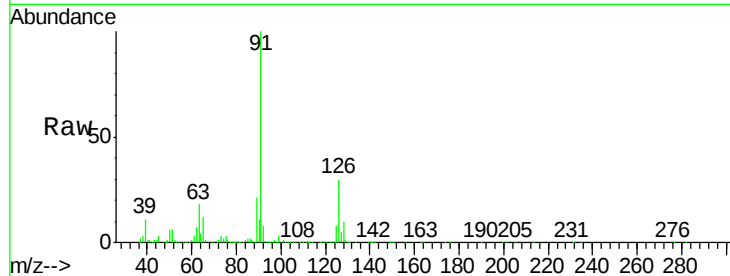
#71
 2-Chlorotoluene
 Concen: 10.292 ppbv
 RT: 15.47 min Scan# 3946
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3931341
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.3 49.3

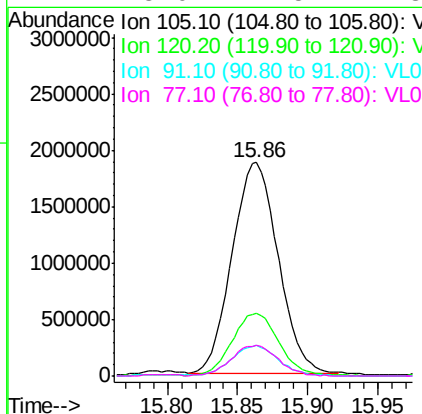
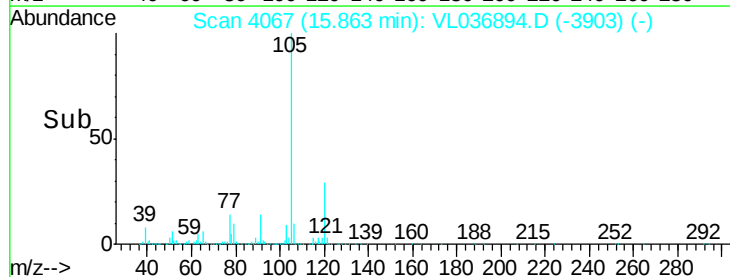
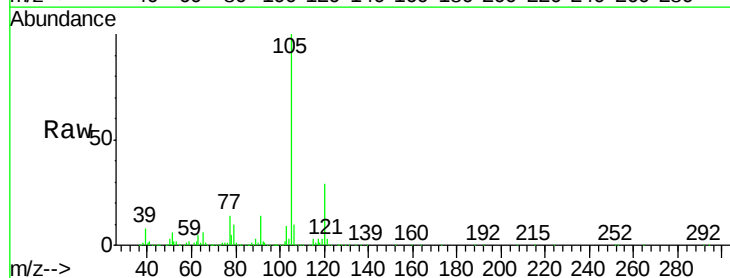
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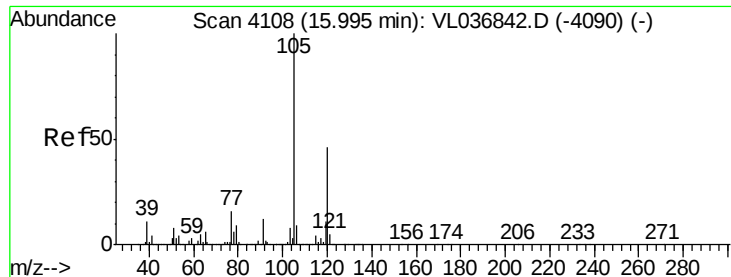
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#72
 4-Ethyltoluene
 Concen: 10.407 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion: 105 Resp: 4234362
 Ion Ratio Lower Upper
 105 100
 120 30.7 23.8 35.6
 91 15.6 10.7 16.1
 77 15.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.849 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3886208

Ion Ratio Lower Upper

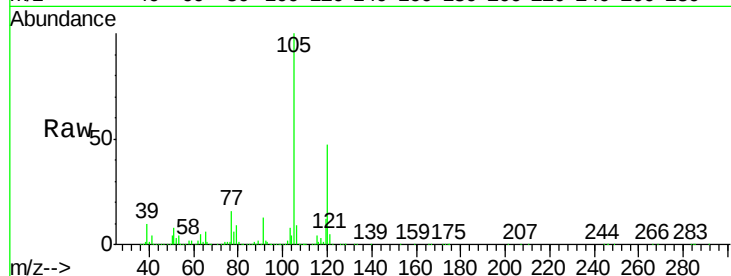
105 100

120 46.6 36.8 55.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

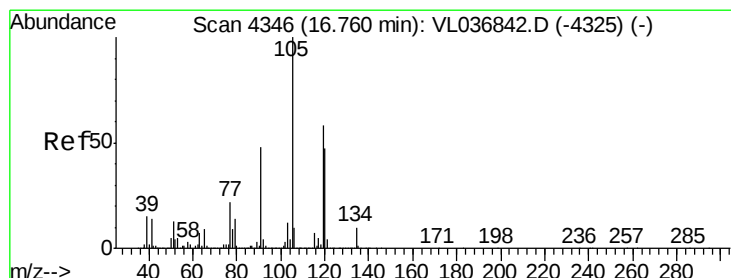
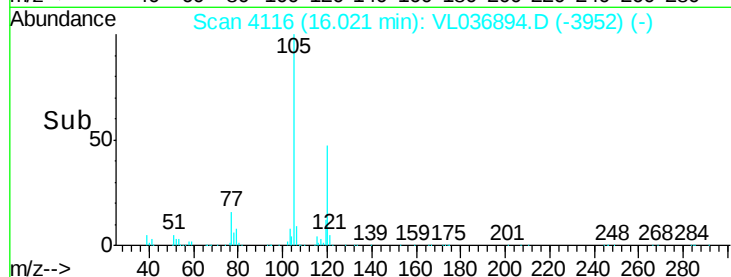
0

16.02

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.777 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Tgt Ion:105 Resp: 4097968

Ion Ratio Lower Upper

105 100

120 46.9 37.6 56.4

91 51.1 39.0 58.4

77 22.9 17.4 26.0

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

0

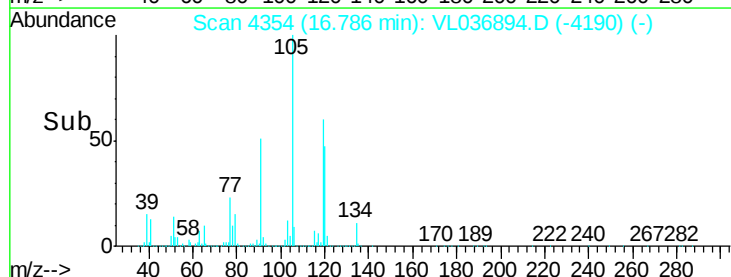
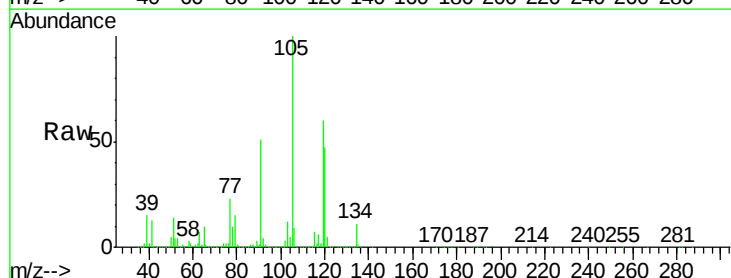
16.79

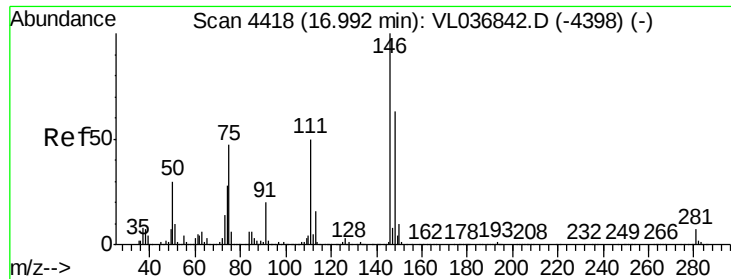
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.923 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.03 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2458521

Ion Ratio Lower Upper

146 100

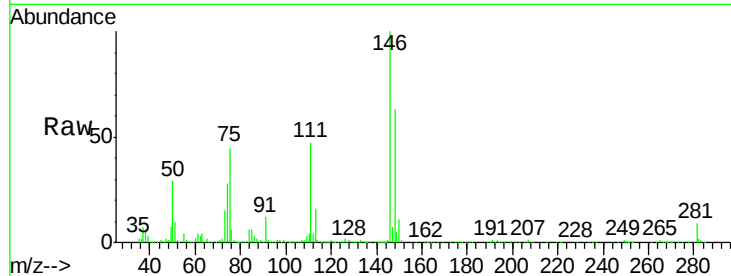
111 48.3 24.2 72.6

148 63.9 32.1 96.3

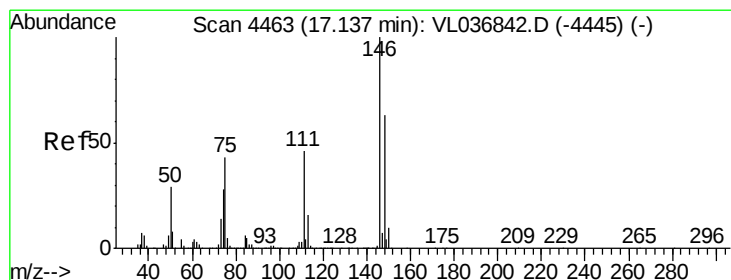
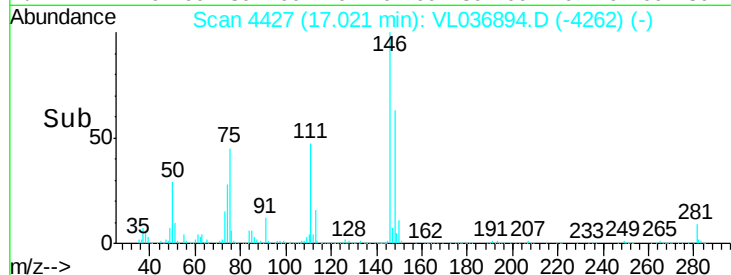
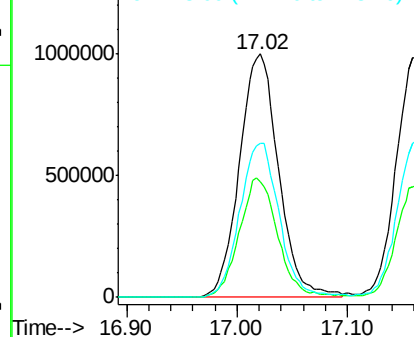
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.701 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.02 min

Lab File: VL036894.D

Acq: 29 Apr 2021 8:39

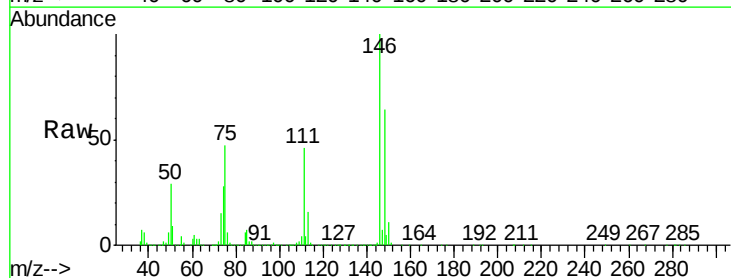
Tgt Ion:146 Resp: 2352257

Ion Ratio Lower Upper

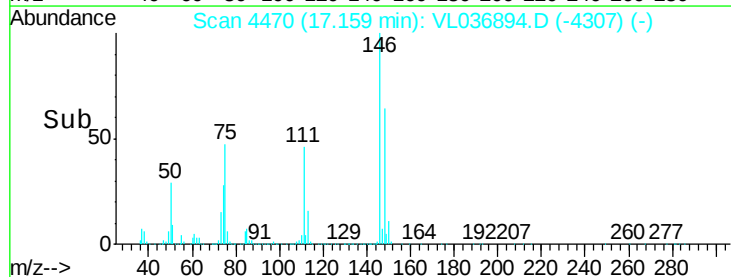
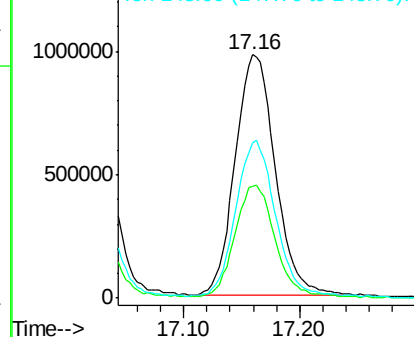
146 100

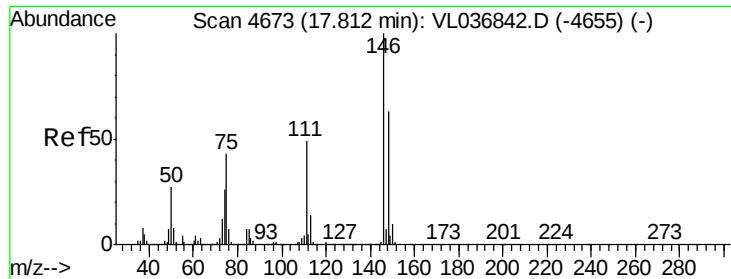
111 48.0 24.3 72.8

148 66.0 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





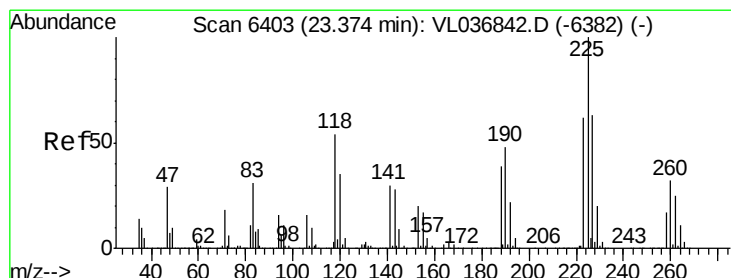
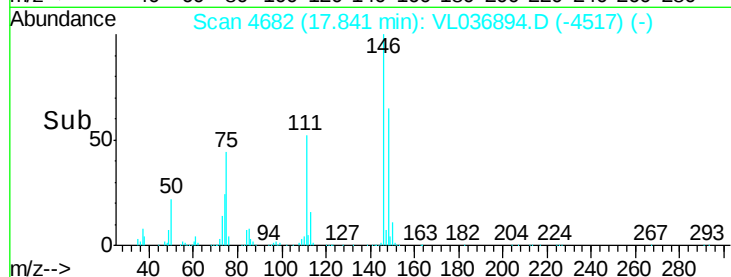
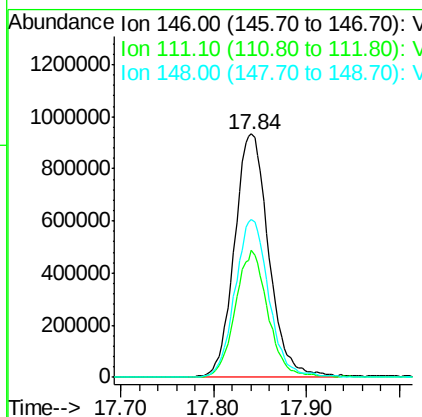
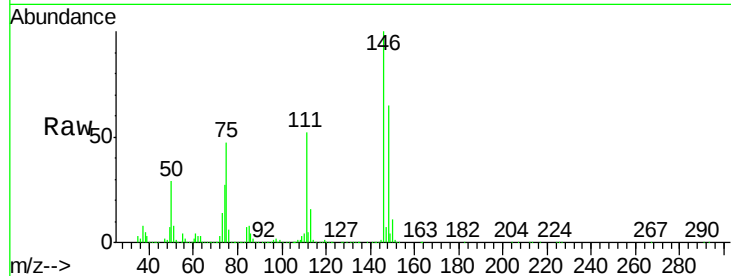
#77
 1,2-Dichlorobenzene
 Concen: 9.825 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. 0.03 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2377654
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.0 75.0
 148 64.8 32.4 97.0

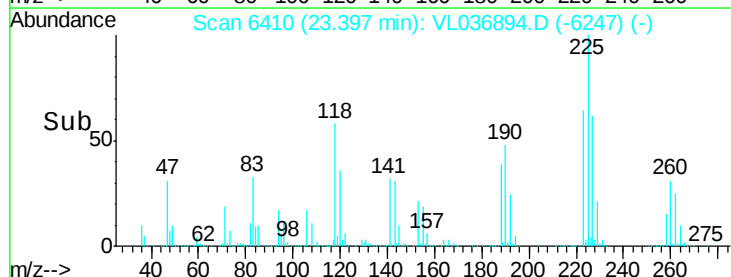
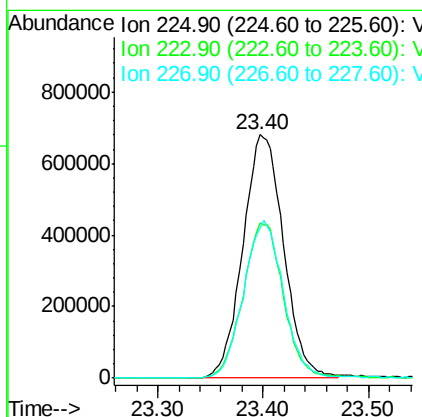
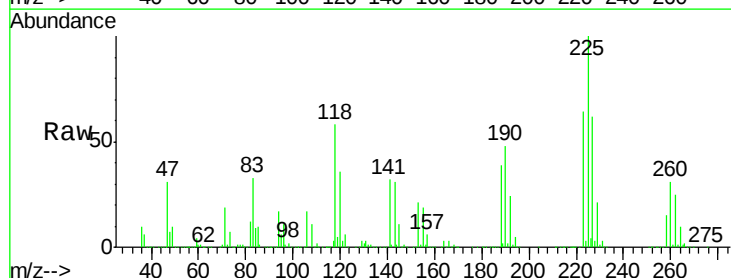
Manual Integrations
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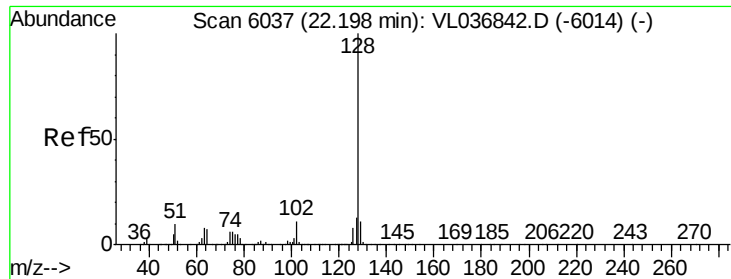
MMDadoda
 4/29/2021 5:53:19 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.876 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. 0.02 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Tgt Ion:225 Resp: 1825289
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.2 76.8
 227 64.0 51.8 77.6





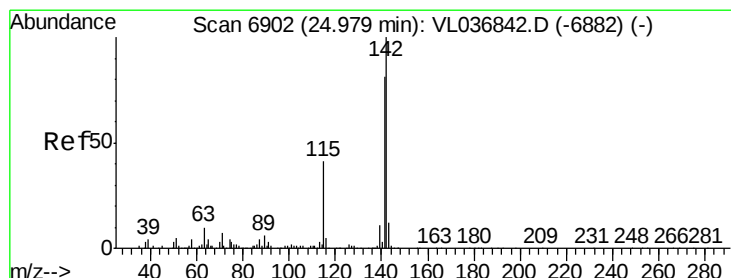
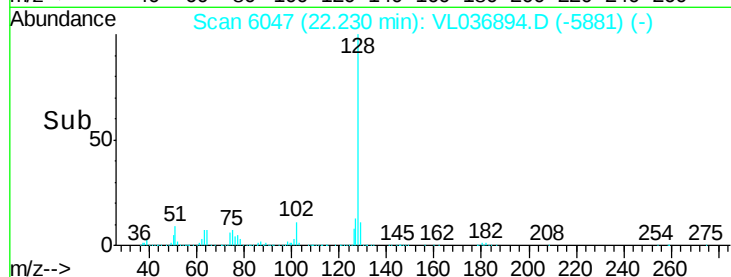
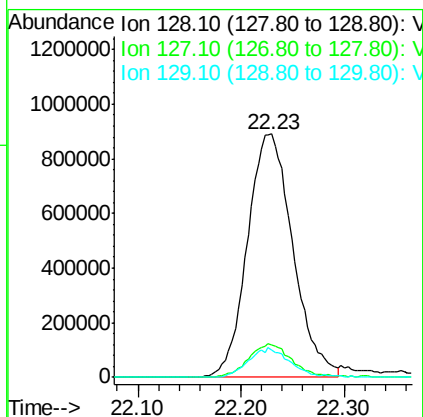
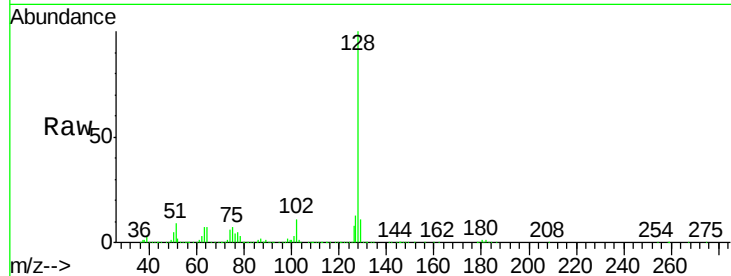
#79
Naphthalene
Concen: 11.591 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. 0.03 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	9.0	13.4

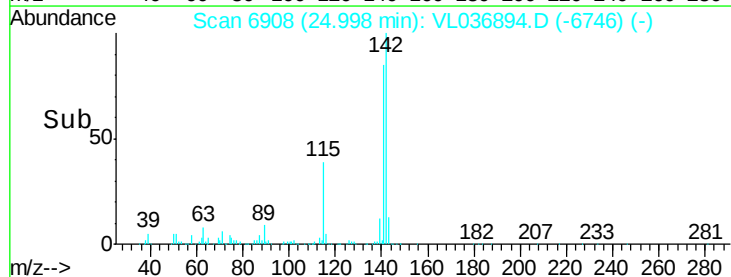
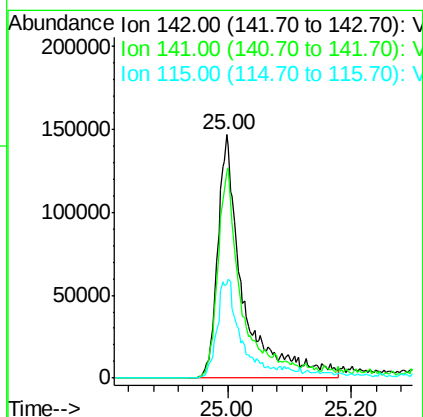
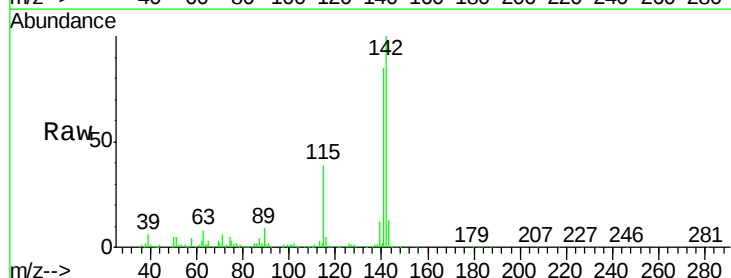
Manual Integrations
APPROVED

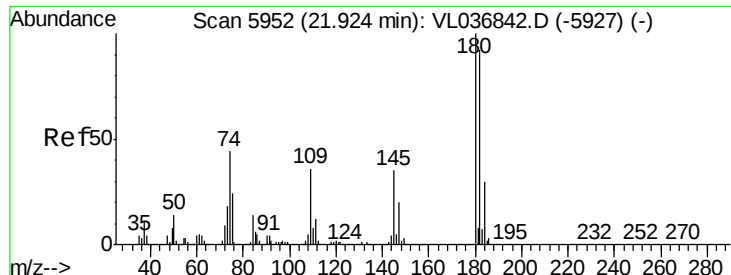
MMDadoda
4/29/2021 5:53:19 PM



#80
Naphthalene, 2-methyl-
Concen: 16.174 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.02 min
Lab File: VL036894.D
Acq: 29 Apr 2021 8:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	62.6	93.8
115	40.7	32.0	48.0





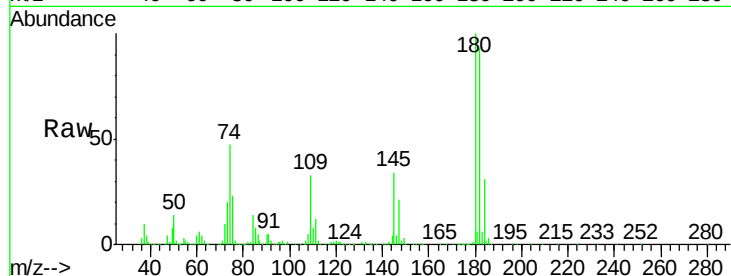
#81
 1,2,4-Trichlorobenzene
 Concen: 11.187 ppbv m
 RT: 21.96 min Scan# 5963
 Delta R.T. 0.04 min
 Lab File: VL036894.D
 Acq: 29 Apr 2021 8:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	80.9	121.3
184	30.8	25.3	37.9

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

