

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036874.D
 Acq On : 28 Apr 2021 9:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 4/29/2021 5:53:55 PM

Quant Time: Apr 29 03:14:35 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 03:14:35 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	1533961	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4031677	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3569348m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3052413	10.65	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2249046	9.310	ppbv	97
3) Chlorodifluoromethane	3.00	51	2691739	9.634	ppbv	99
4) Chloromethane	3.15	50	901502	9.816	ppbv	100
5) Vinyl Chloride	3.27	62	914079	9.868	ppbv	100
6) Bromomethane	3.48	94	512361	10.286	ppbv	97
7) Chloroethane	3.57	64	312212	10.256	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2179727	9.892	ppbv	99
9) Propene	3.02	41	868871	10.205	ppbv	98
10) Heptane	8.13	43	2200891	10.278	ppbv	97
11) Trichlorofluoromethane	3.96	101	2126567	9.861	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1448299	10.035	ppbv	99
13) Ethanol	3.61	45	85803m	7.902	ppbv	
14) Bromoethene	3.75	108	638873	10.835	ppbv	95
15) Acetone	3.86	43	1193093	8.252	ppbv	99
16) 1,3-Butadiene	3.33	39	878996	9.508	ppbv	95
17) tert-Butyl alcohol	4.30	59	1254538	10.690	ppbv	99
18) 1,1-Dichloroethene	4.30	96	610720	9.737	ppbv	94
19) Isopropyl Alcohol	3.98	45	679254	9.482	ppbv	99
20) Methylene Chloride	4.35	84	531485	7.687	ppbv	94
21) Allyl Chloride	4.42	41	1056322	9.832	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	616505	9.794	ppbv	99
23) Vinyl Acetate	5.08	43	2259994	11.491	ppbv #	99
24) 1,1-Dichloroethane	5.02	63	1497652	10.727	ppbv	100
25) Ethyl Acetate	5.69	43	3430422	9.713	ppbv	99
26) Hexane	5.70	57	1593457	9.644	ppbv	96
27) Carbon Disulfide	4.56	76	1573903	10.967	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1754417	11.979	ppbv	100
29) Chloroform	5.76	83	2583329	10.028	ppbv	99
30) Cyclohexane	7.14	84	1336255	10.198	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1598594	10.778	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2631645	10.046	ppbv	99
34) 2-Butanone	5.25	43	1675164	9.485	ppbv	100
35) Carbon Tetrachloride	7.03	117	2756524	10.076	ppbv	98
36) Benzene	6.90	78	3392784	9.988	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1929658	10.032	ppbv	100
38) Trichloroethene	7.85	130	1251908	10.351	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1326164	9.745	ppbv	95
40) 1,4-Dioxane	7.85	88	314737	9.577	ppbv	98
41) Tetrahydrofuran	6.06	42	784077	10.149	ppbv	98
42) Bromodichloromethane	7.81	83	2766383	10.351	ppbv	98
43) Methyl Methacrylate	8.03	69	1214456	10.957	ppbv	97

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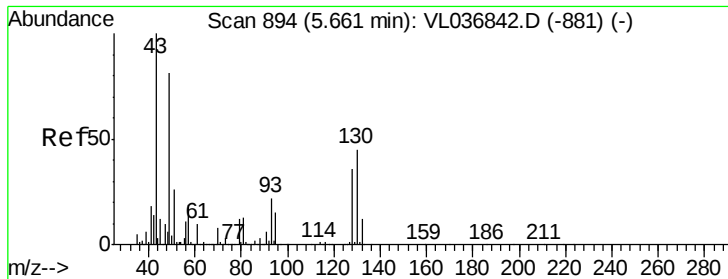
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 28 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5688735	9.772	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1326936	11.105	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1728769	11.284	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1389633	9.863	ppbv	97
48) Dibromochloromethane	10.32	129	2249674	10.776	ppbv	99
49) Bromoform	13.05	173	1812478	10.874	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2489687	10.314	ppbv	99
51) 2-Hexanone	10.15	43	1278029	10.615	ppbv #	97
52) Tetrachloroethene	11.24	164	1156383	9.997	ppbv	99
53) Toluene	9.82	91	3755171	10.565	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1963520	9.871	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1530405	10.227	ppbv	99
57) Chlorobenzene	12.16	112	2784119	10.014	ppbv	99
58) Ethyl Benzene	12.72	91	5005400	11.056	ppbv	100
59) m/p-Xylene	13.01	91	8521057m	21.059	ppbv	
60) o-Xylene	13.71	91	4000847	10.226	ppbv	100
61) Styrene	13.55	104	2273810	12.376	ppbv	100
62) Isopropylbenzene	14.68	105	5432279	10.205	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2934775	9.358	ppbv	100
64) n-propylbenzene	15.58	120	1440208	10.856	ppbv	99
65) tert-Butylbenzene	16.76	119	4817404	10.236	ppbv	100
66) Benzyl Chloride	17.00	91	474073	10.302	ppbv	98
67) sec-Butylbenzene	17.31	105	6720869	10.284	ppbv	100
69) p-Isopropyltoluene	17.67	119	5528126	10.551	ppbv	99
70) n-Butylbenzene	18.57	91	5676598	10.749	ppbv	100
71) 2-Chlorotoluene	15.47	91	4163258	10.560	ppbv	99
72) 4-Ethyltoluene	15.85	105	4664117	11.107	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	4292479	10.540	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4448290	10.283	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2580655	10.092	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2464777	9.849	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2458119	9.841	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1767076	8.326	ppbv	100
79) Naphthalene	22.22	128	2752216	11.360	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	388855	14.554	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1611784	10.285	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1533961

Ion Ratio Lower Upper

49 100

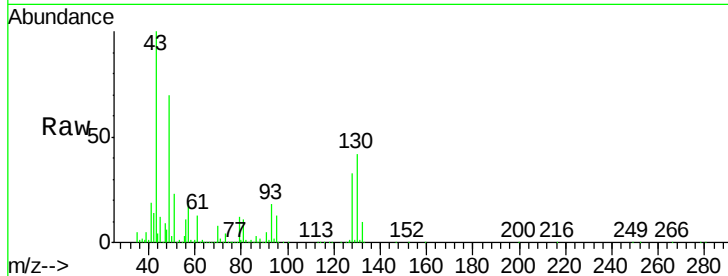
128 50.1 24.4 73.2

130 61.9 30.3 90.8

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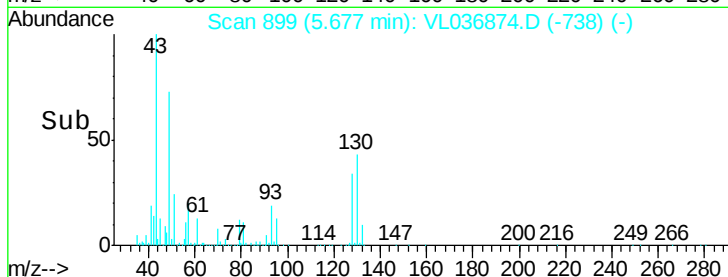
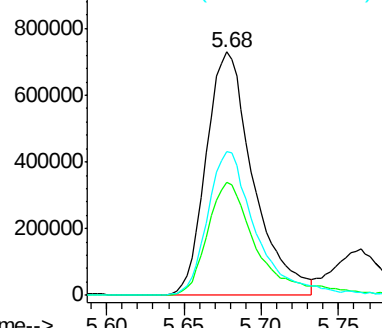
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.310 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036874.D

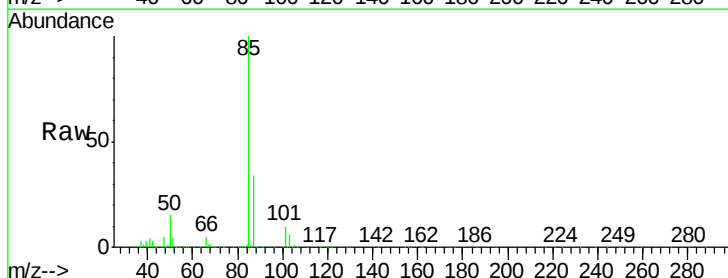
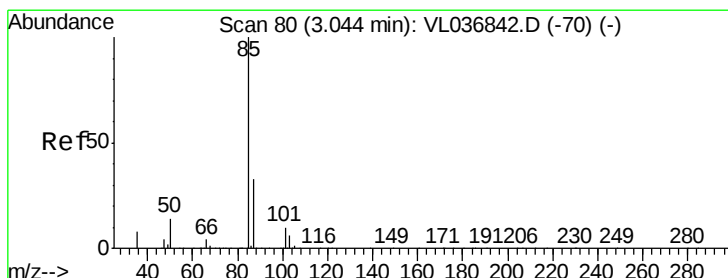
Acq: 28 Apr 2021 9:43

Tgt Ion: 85 Resp: 2249046

Ion Ratio Lower Upper

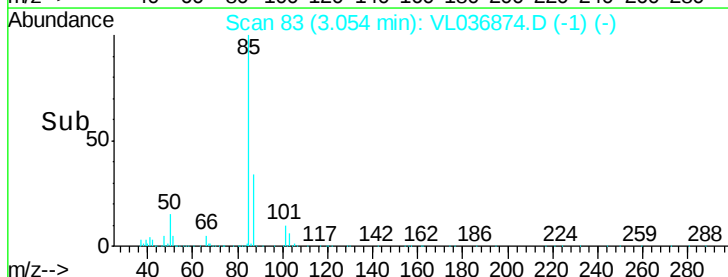
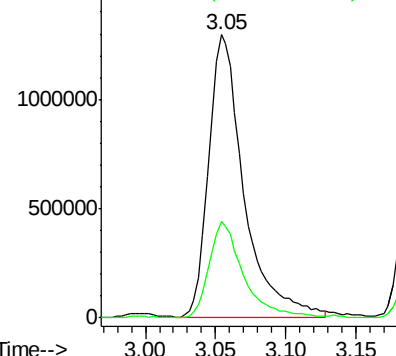
85 100

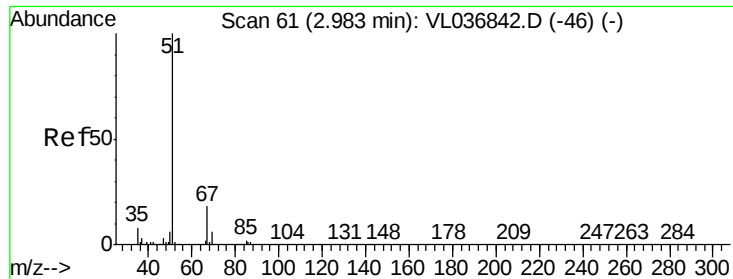
87 34.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





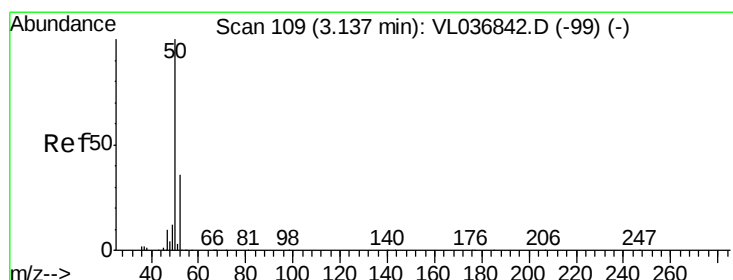
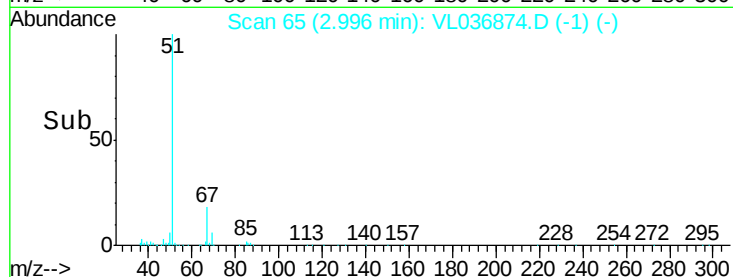
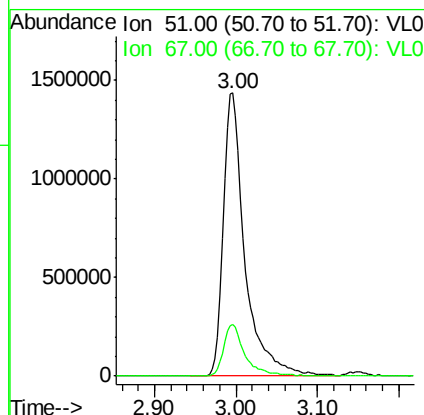
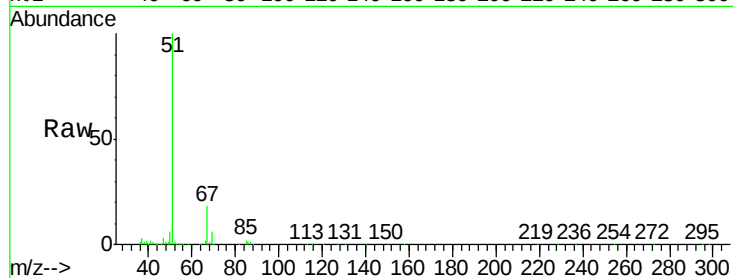
#3
Chlorodifluoromethane
Concen: 9.634 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 2691739
Ion Ratio Lower Upper
51 100
67 18.3 14.8 22.2

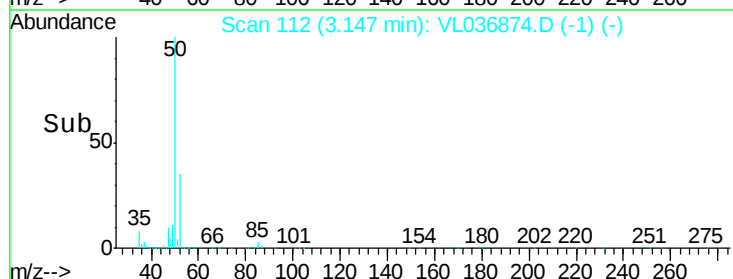
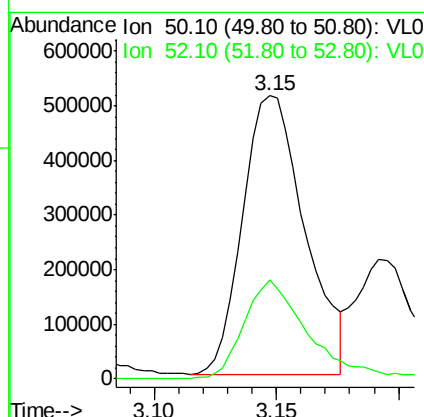
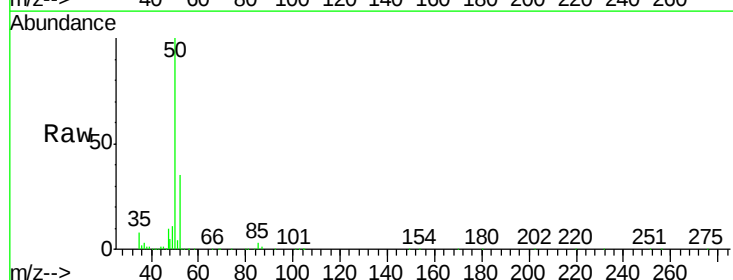
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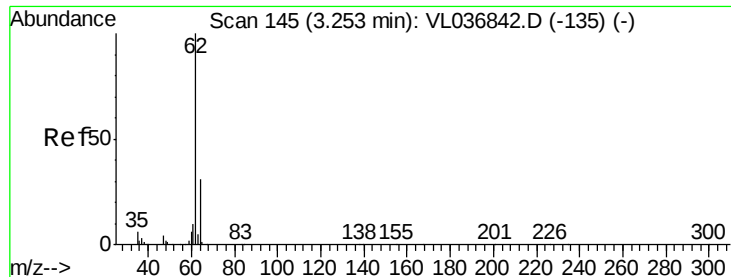
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#4
Chloromethane
Concen: 9.816 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 50 Resp: 901502
Ion Ratio Lower Upper
50 100
52 35.5 28.5 42.7





#5

Vinyl Chloride

Concen: 9.868 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 914079

Ion Ratio Lower Upper

62 100

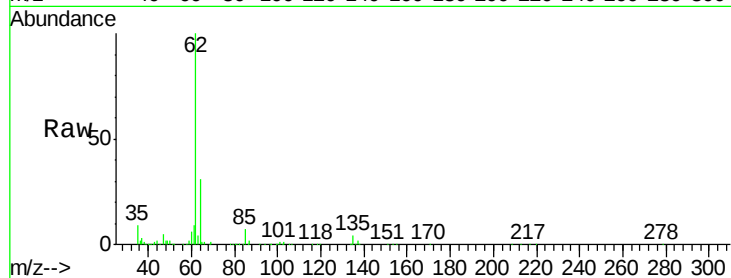
64 31.5 25.0 37.4

Manual Integrations

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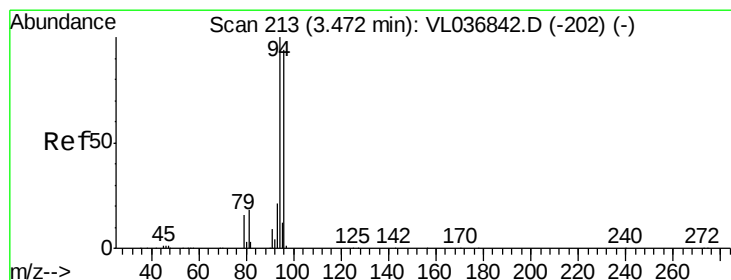
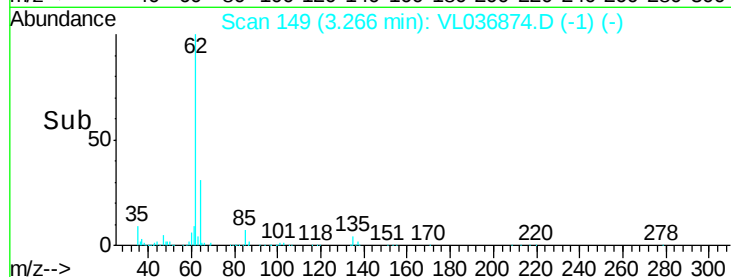
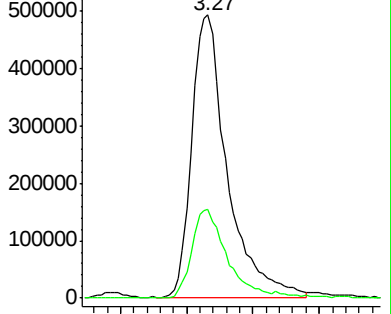
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4/29/2021 5:53:55 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.286 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036874.D

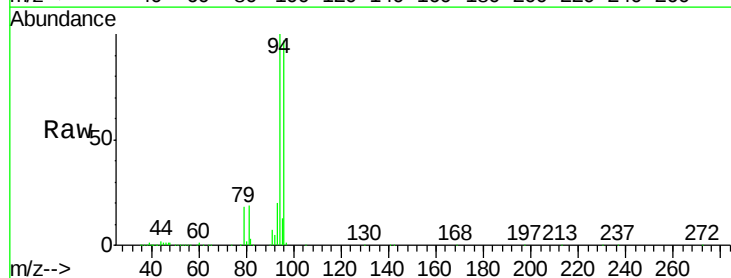
Acq: 28 Apr 2021 9:43

Tgt Ion: 94 Resp: 512361

Ion Ratio Lower Upper

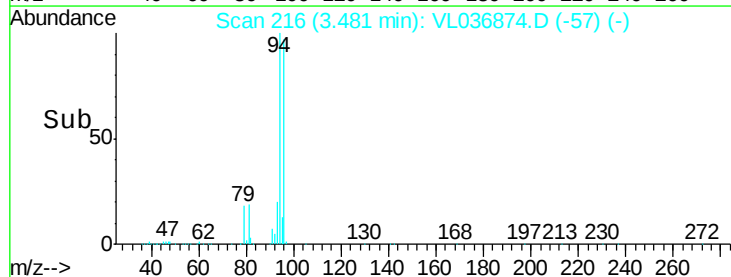
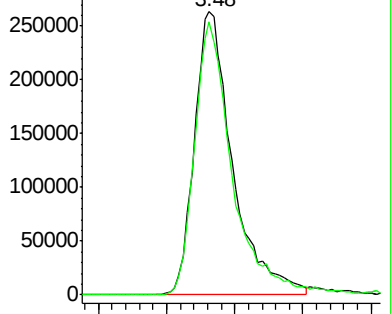
94 100

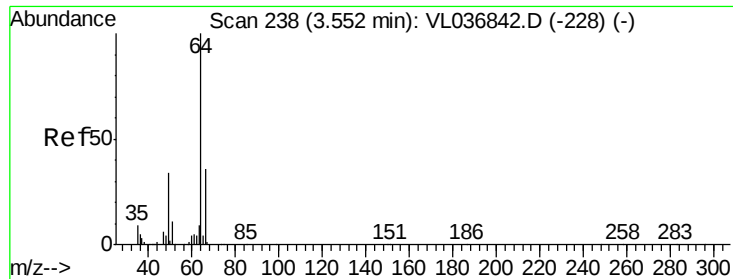
96 96.7 75.4 113.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.256 ppbv

RT: 3.57 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 312212

Ion Ratio Lower Upper

64 100

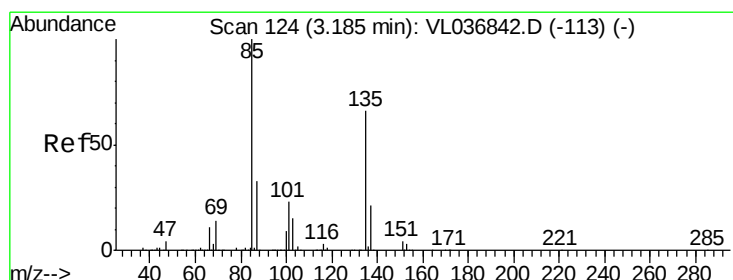
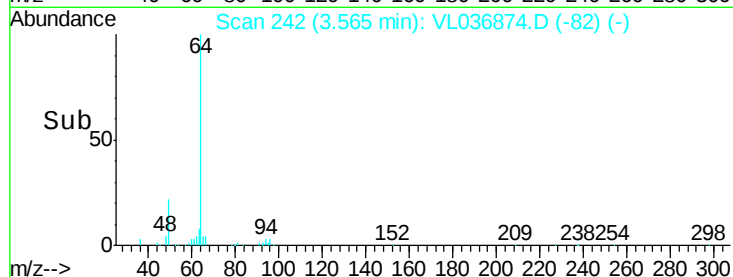
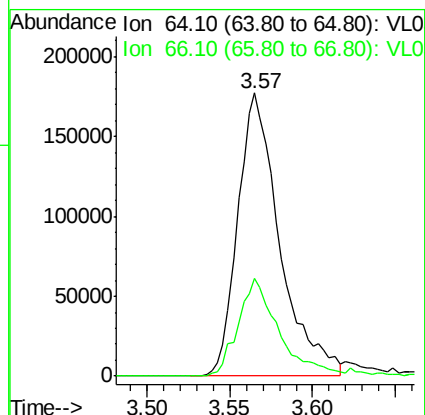
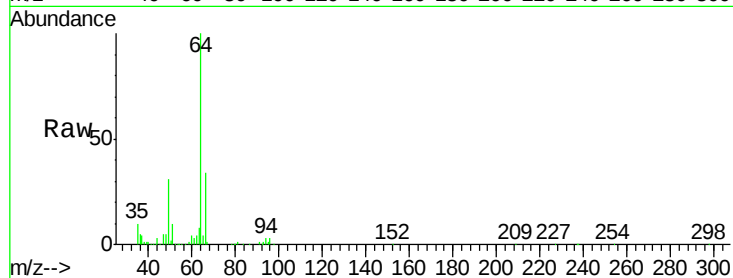
66 34.4 29.0 43.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.892 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036874.D

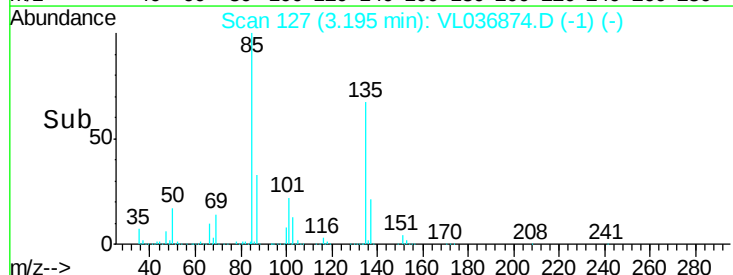
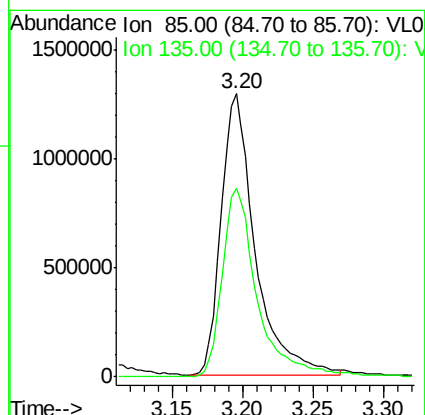
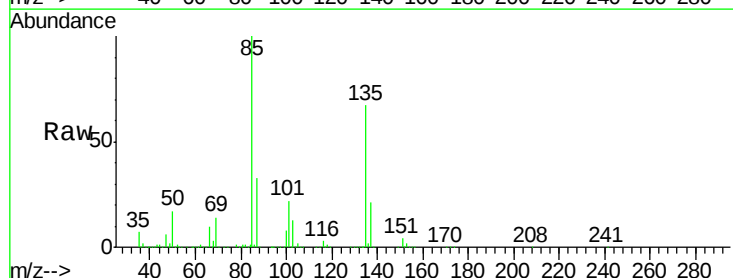
Acq: 28 Apr 2021 9:43

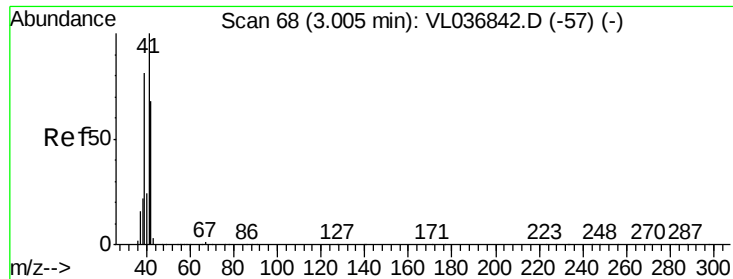
Tgt Ion: 85 Resp: 2179727

Ion Ratio Lower Upper

85 100

135 69.6 56.2 84.4





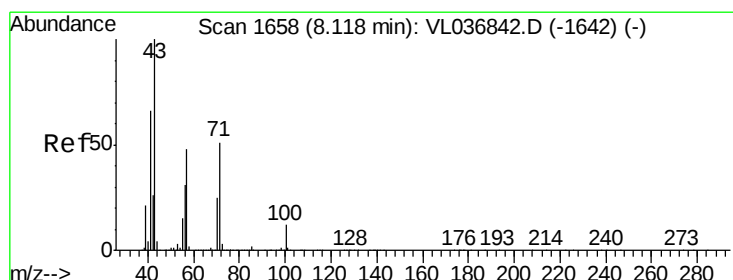
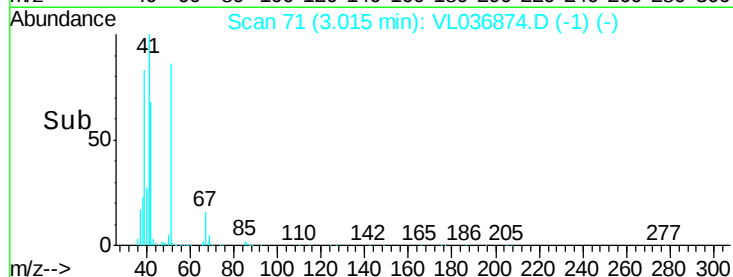
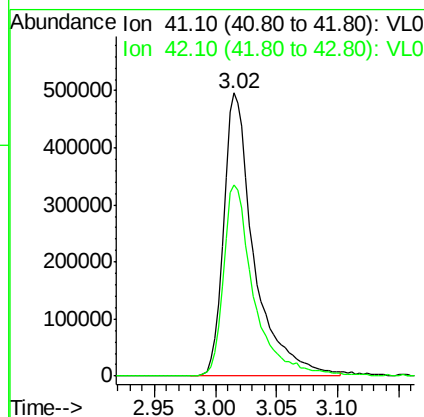
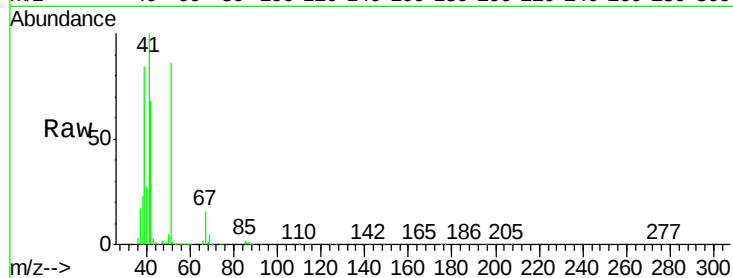
#9
 Propene
 Concen: 10.205 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 868871
 Ion Ratio Lower Upper
 41 100
 42 68.6 56.0 84.0

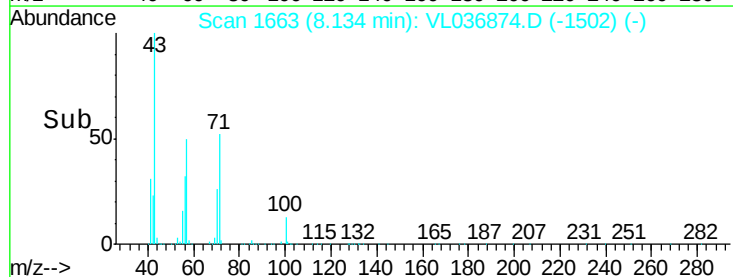
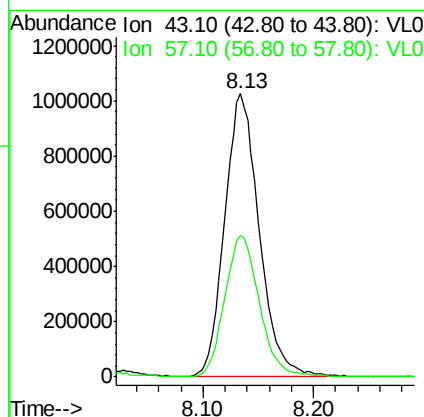
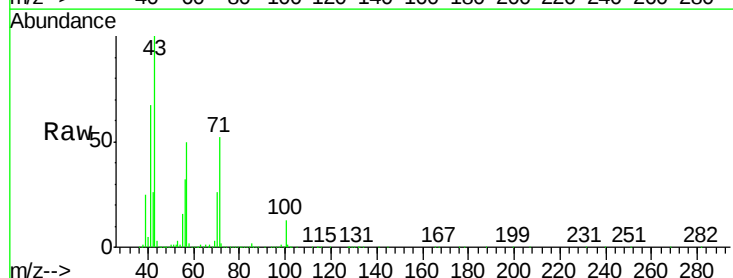
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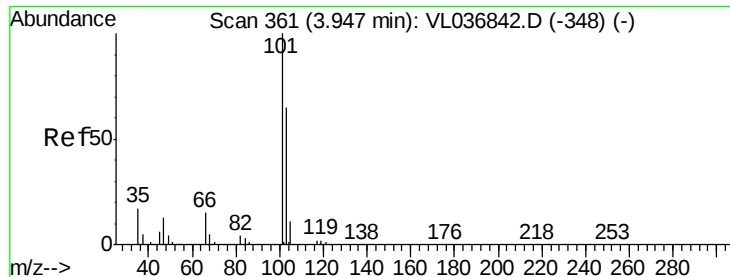
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#10
 Heptane
 Concen: 10.278 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 43 Resp: 2200891
 Ion Ratio Lower Upper
 43 100
 57 50.8 38.8 58.2





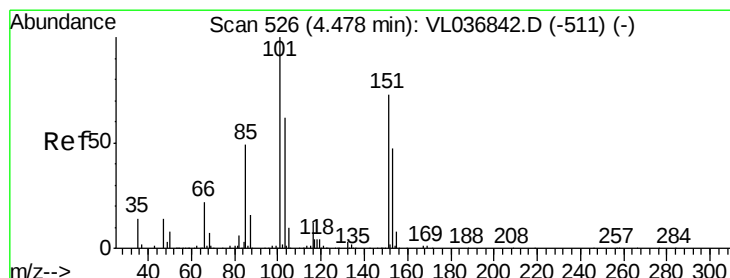
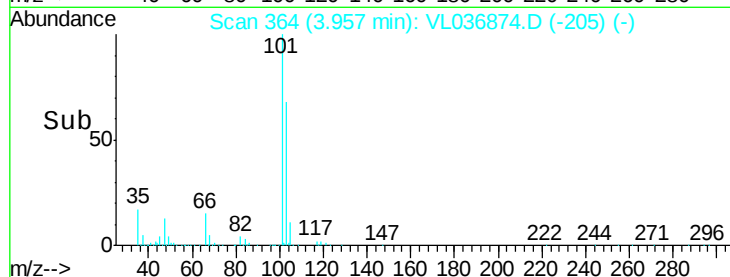
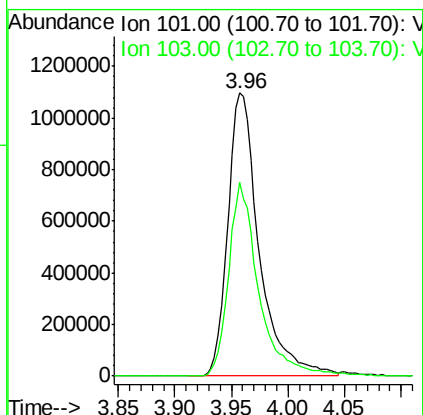
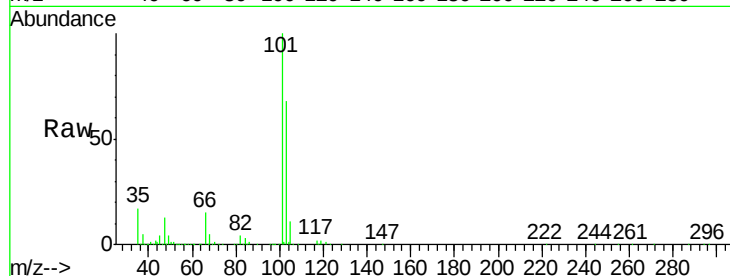
#11
 Trichlorofluoromethane
 Concen: 9.861 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2126567
 Ion Ratio Lower Upper
 101 100
 103 68.3 51.6 77.4

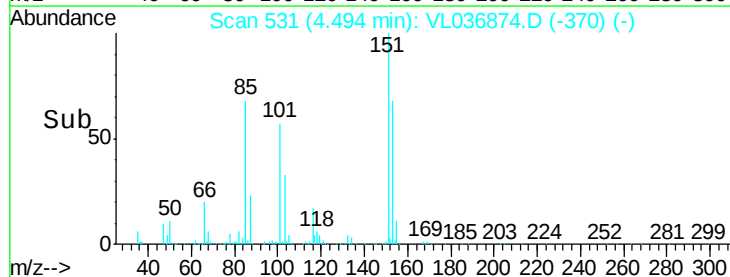
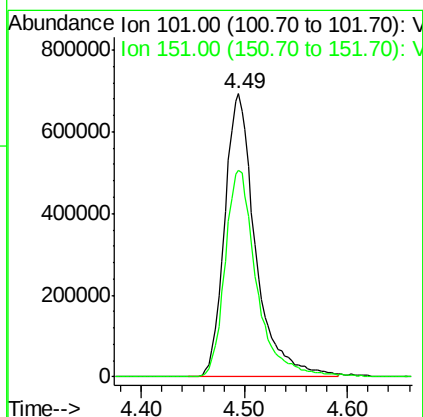
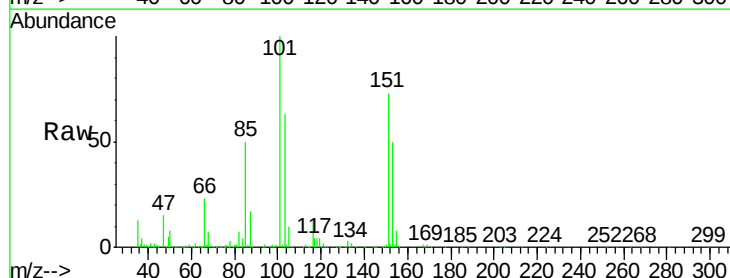
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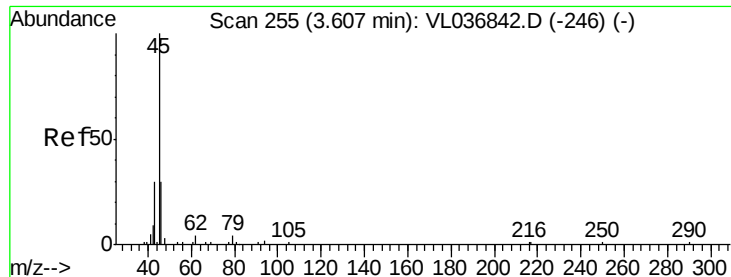
MMDadoda
 4/29/2021 5:53:55 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.035 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion:101 Resp: 1448299
 Ion Ratio Lower Upper
 101 100
 151 75.1 61.1 91.7





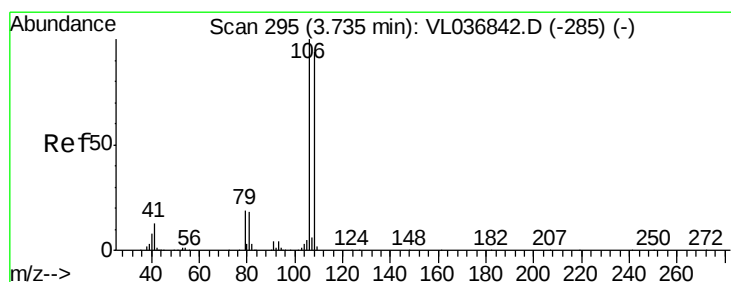
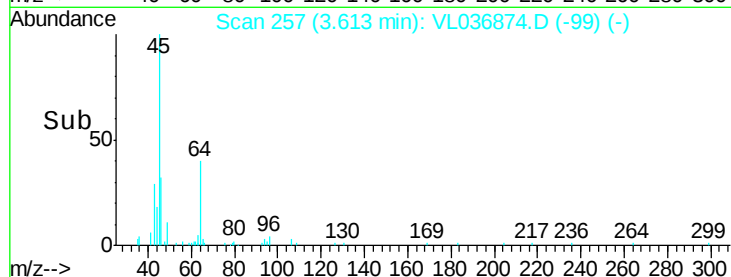
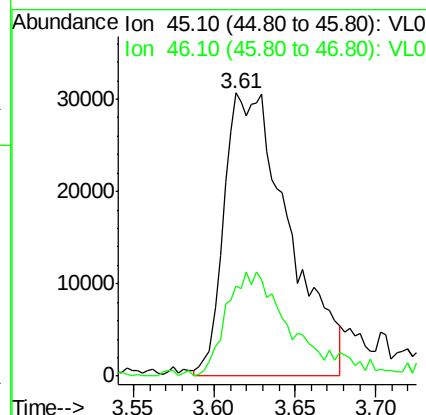
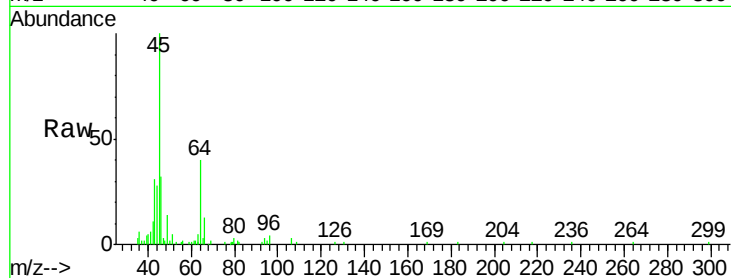
#13
Ethanol
Concen: 7.902 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	85803
Ion Ratio	100	Lower	Upper
46	38.9	16.8	67.4

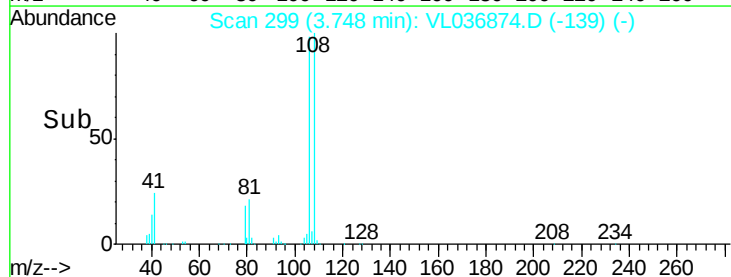
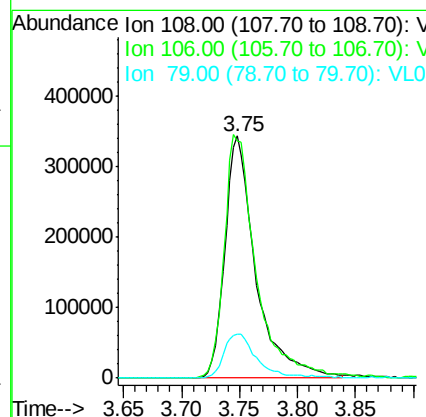
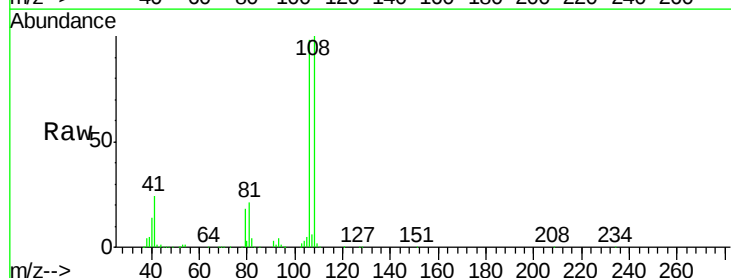
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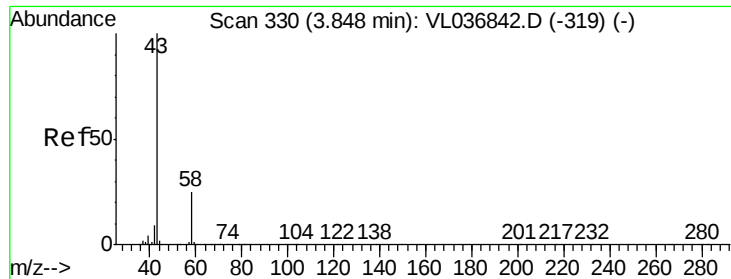
MMDadoda
4/29/2021 5:53:55 PM



#14
Bromoethene
Concen: 10.835 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	108	Resp	638873
Ion Ratio	100	Lower	Upper
106	105.2	88.5	132.7
79	20.1	17.9	26.9





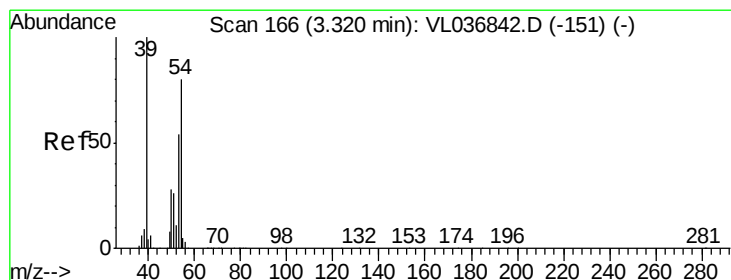
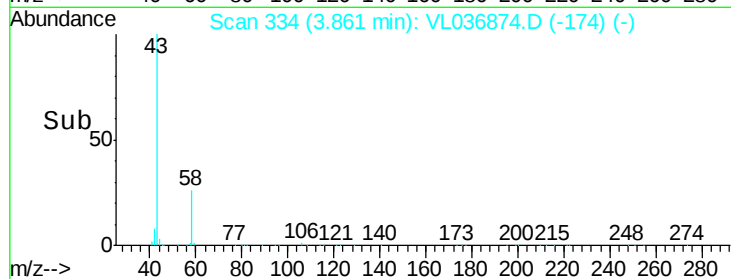
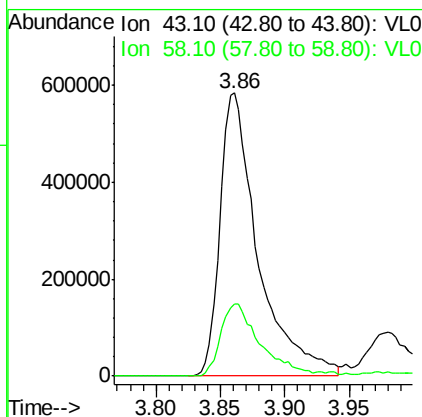
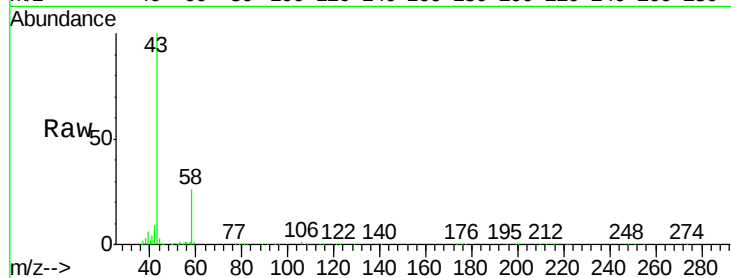
#15
Acetone
Concen: 8.252 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1193093
Ion Ratio Lower Upper
43 100
58 27.5 21.7 32.5

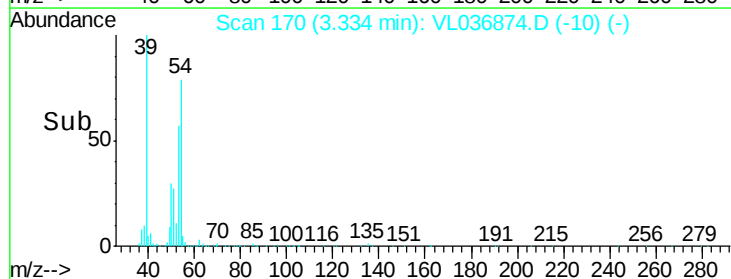
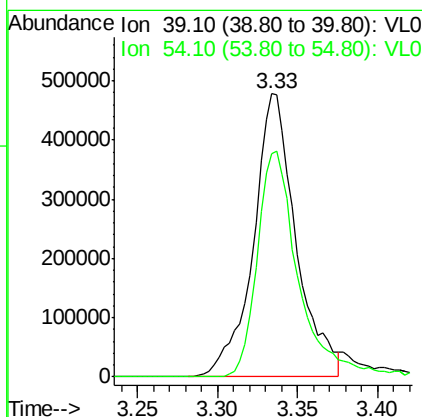
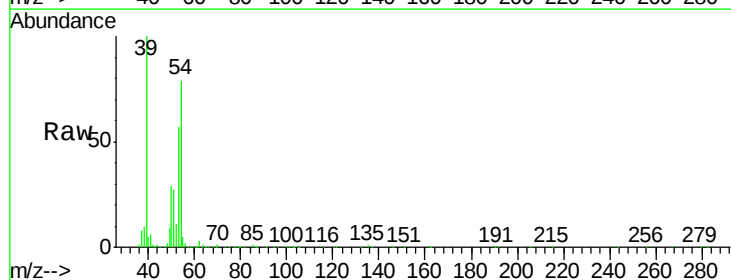
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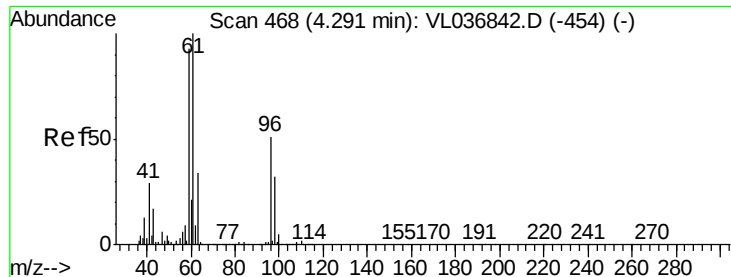
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#16
1,3-Butadiene
Concen: 9.508 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 39 Resp: 878996
Ion Ratio Lower Upper
39 100
54 78.6 59.6 89.4





#17

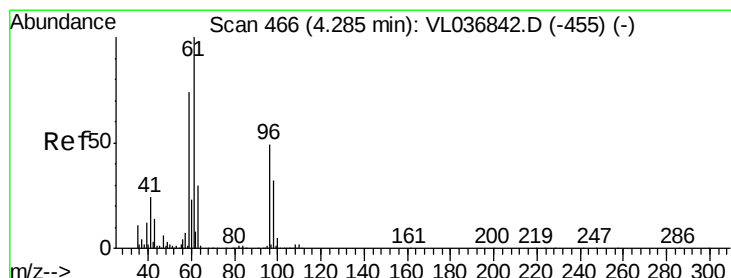
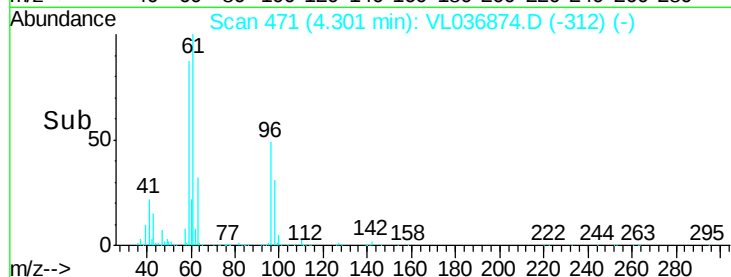
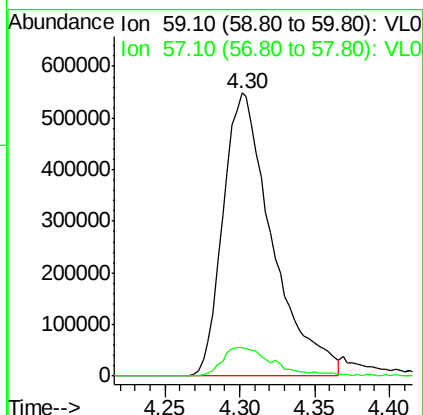
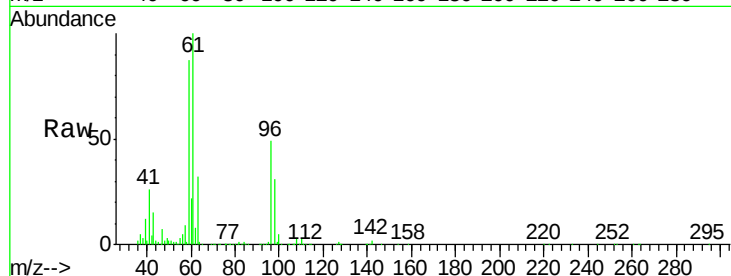
tert-Butyl alcohol
Concen: 10.690 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1254538
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

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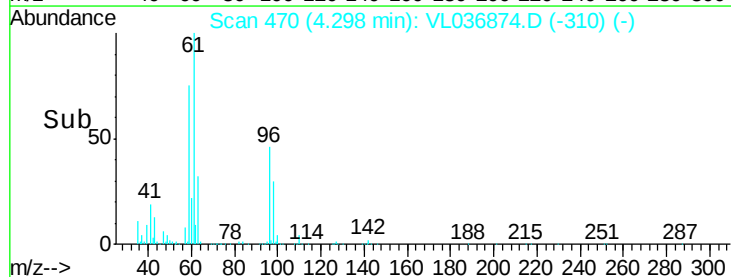
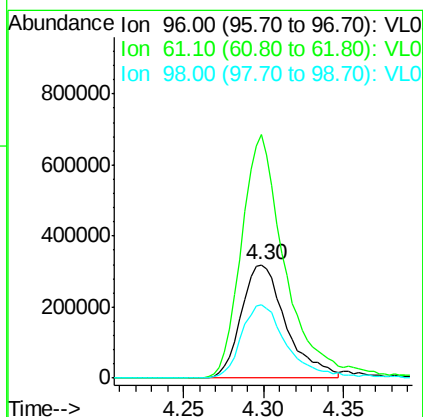
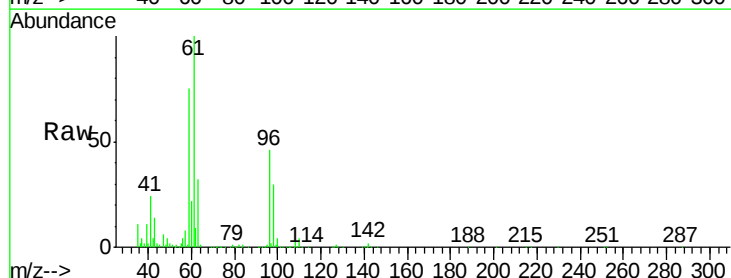
MMDadoda
4/29/2021 5:53:55 PM

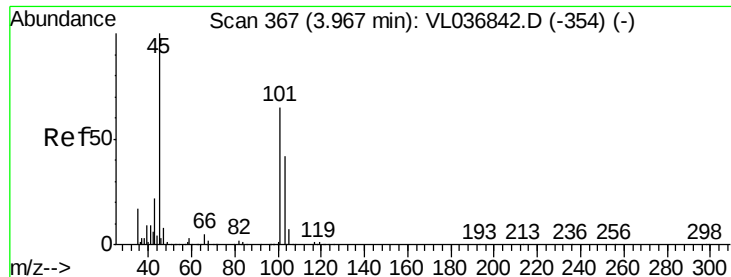


#18

1,1-Dichloroethene
Concen: 9.737 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 96 Resp: 610720
Ion Ratio Lower Upper
96 100
61 215.2 162.2 243.2
98 64.5 51.8 77.6





#19

Isopropyl Alcohol

Concen: 9.482 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	2.8	4.2

Instrument :

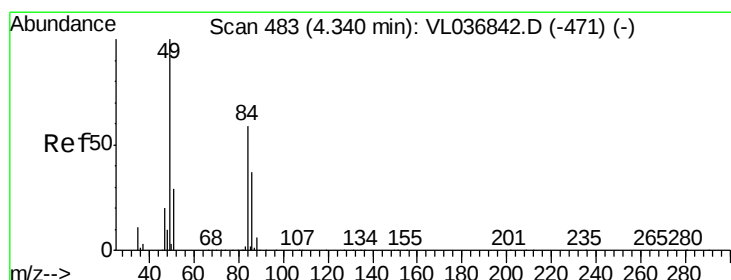
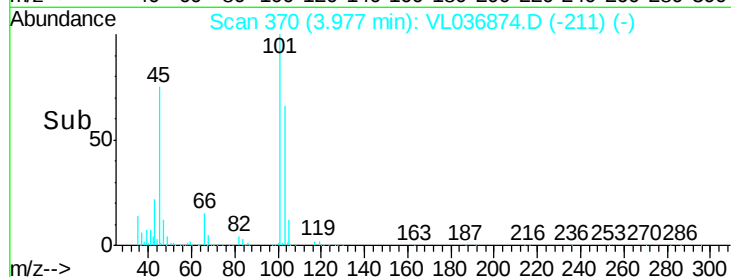
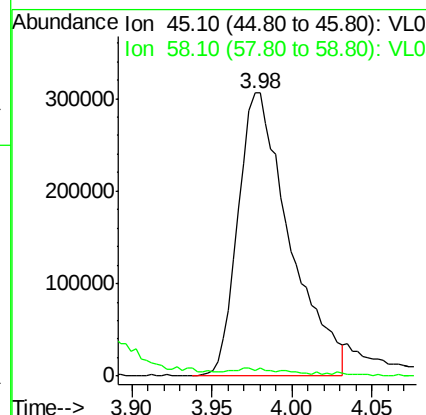
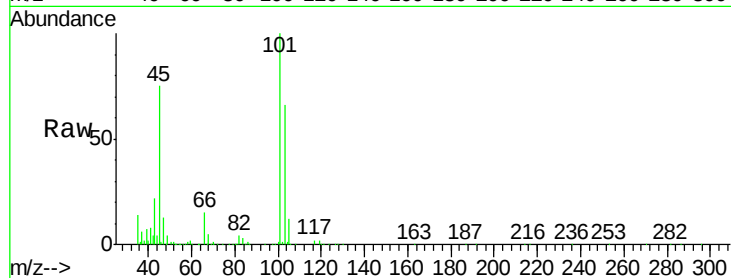
MSVOA_L

ClientSampleId :

VSTDCCC010

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#20

Methylene Chloride

Concen: 7.687 ppbv

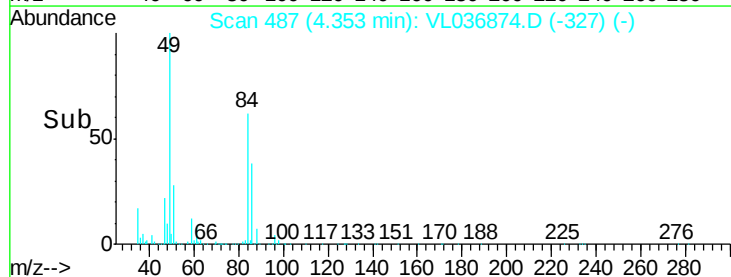
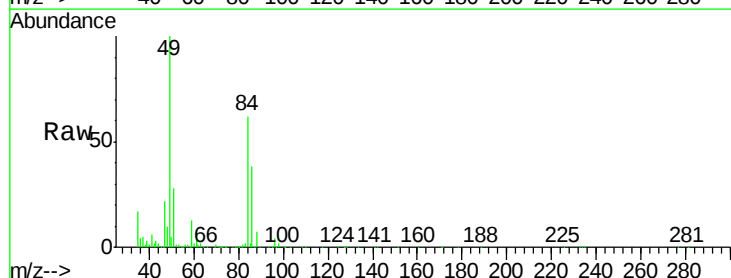
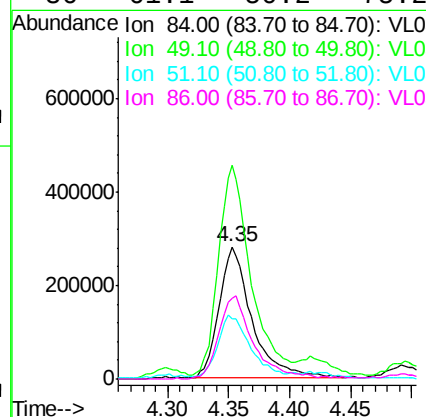
RT: 4.35 min Scan# 487

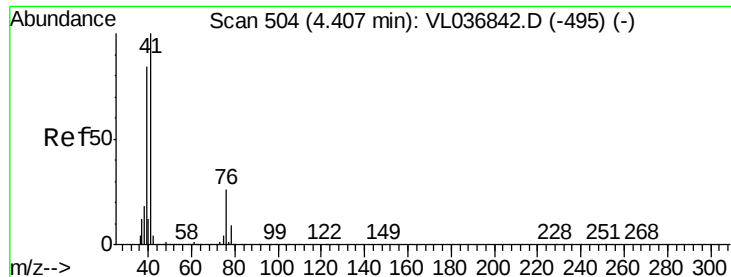
Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.6	135.4	203.0
51	44.3	39.3	58.9
86	61.1	50.2	75.2





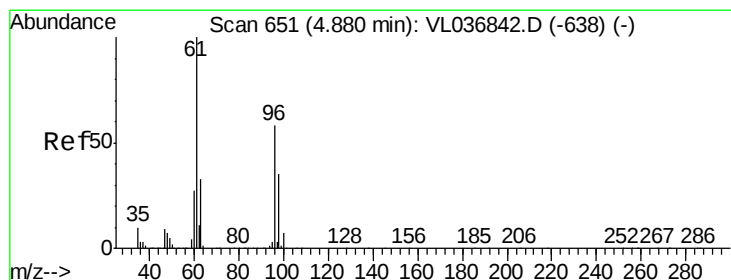
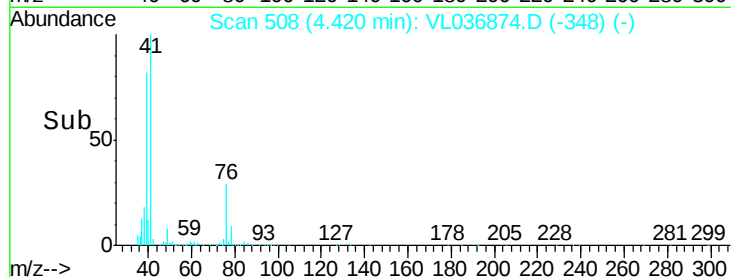
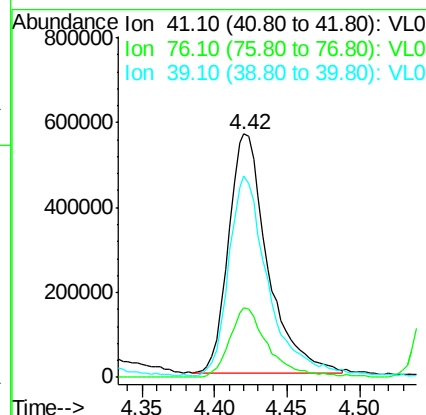
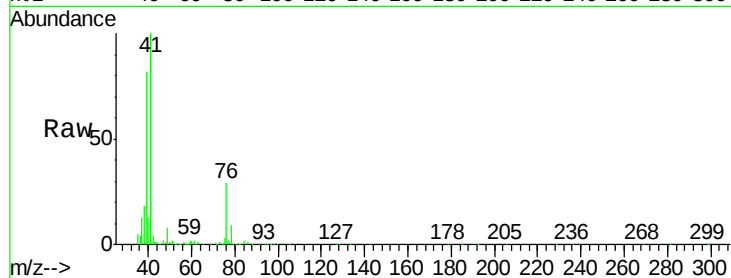
#21
Allvl Chloride
Concen: 9.832 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	22.4	33.6
39	86.3	68.4	102.6

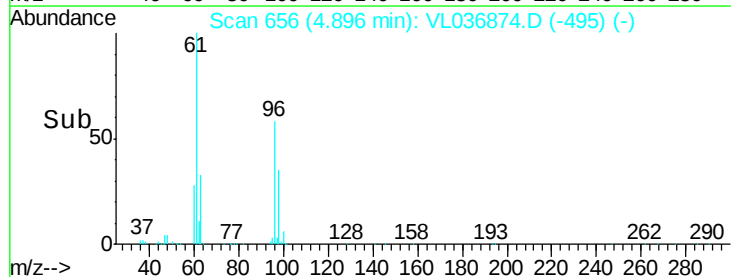
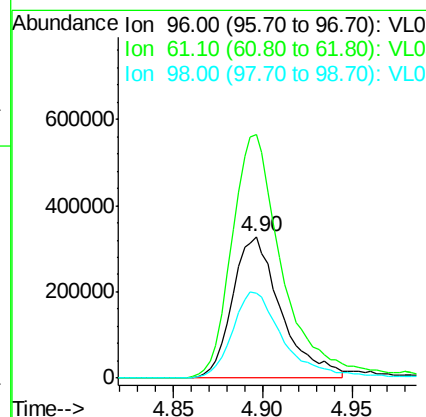
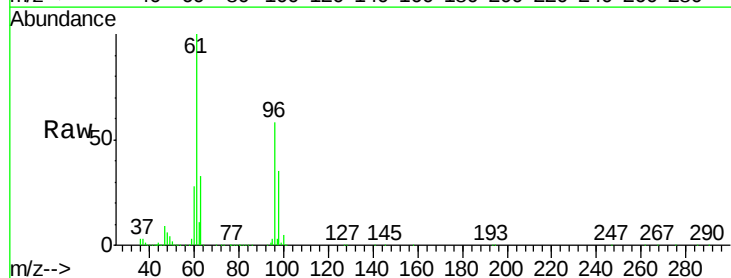
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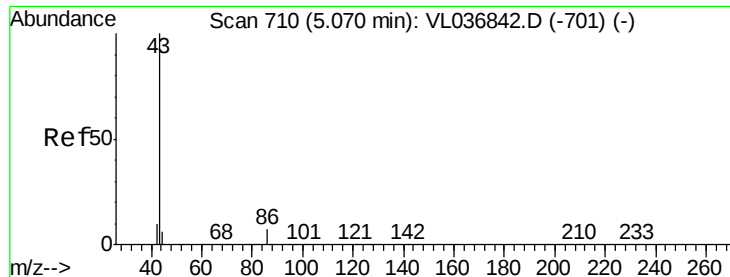
MMDadoda
4/29/2021 5:53:55 PM



#22
trans-1,2-Dichloroethene
Concen: 9.794 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	138.6	207.8
98	59.0	48.1	72.1





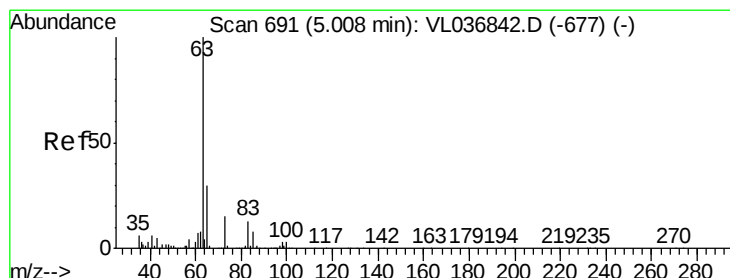
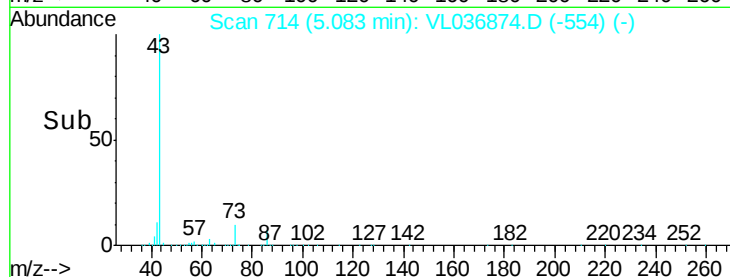
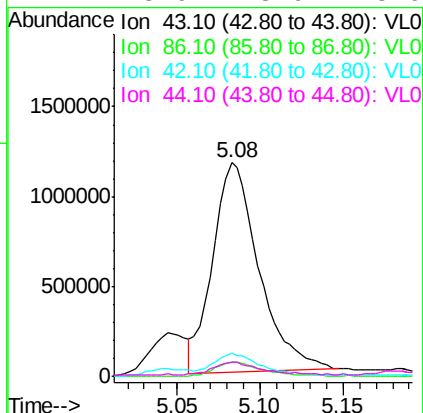
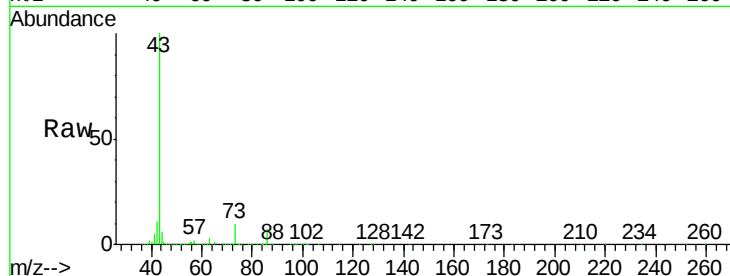
#23
 Vinyl Acetate
 Concen: 11.491 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.9	5.3	7.9	
42	10.5	8.7	13.1	
44	5.9	3.9	5.9	

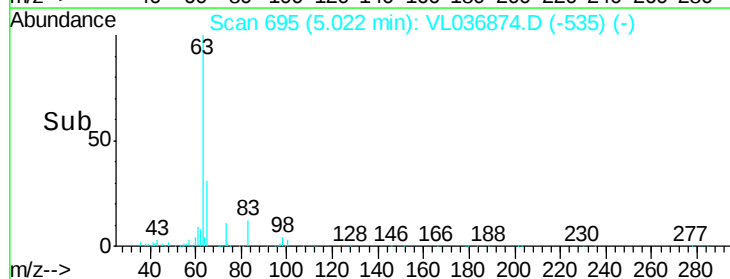
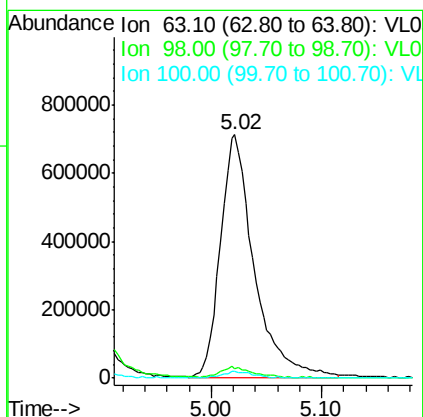
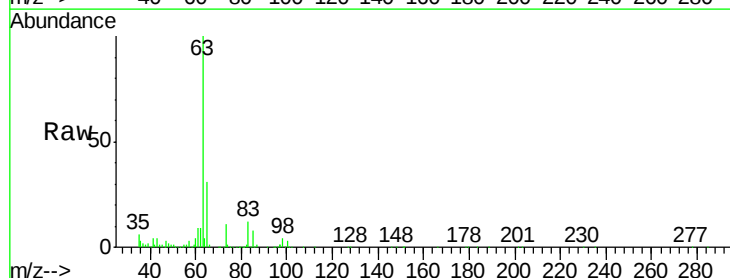
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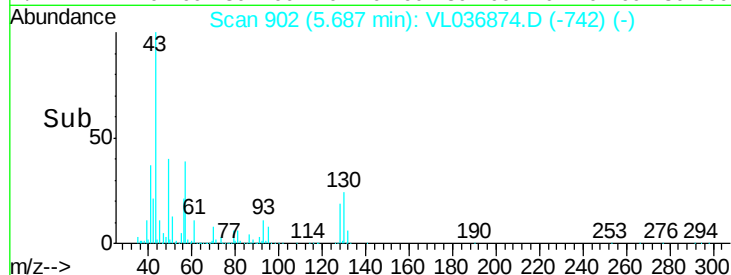
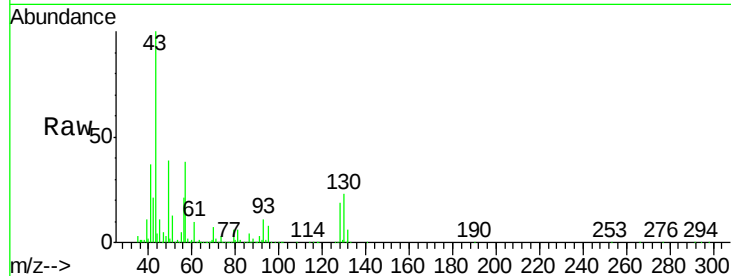
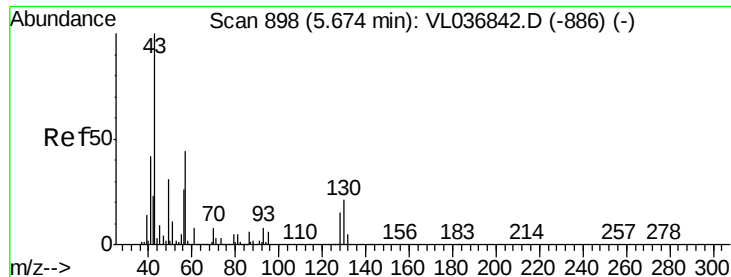
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 10.727 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

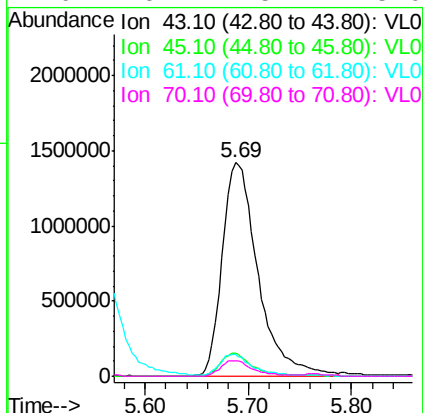
Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	3.5	1.7	5.1	
100	2.6	1.3	3.8	





#25
Ethyl Acetate
Concen: 9.713 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

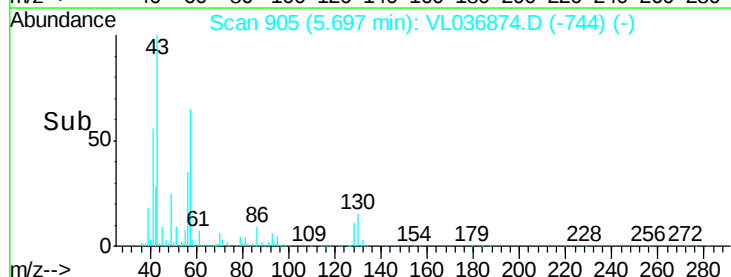
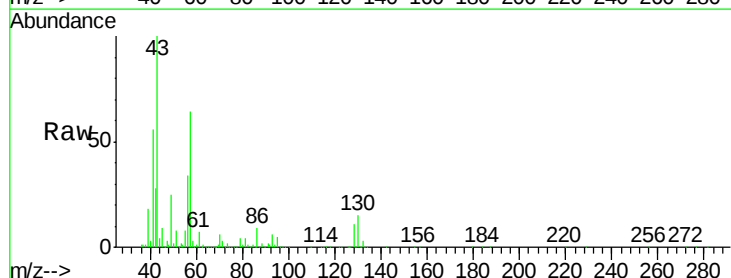
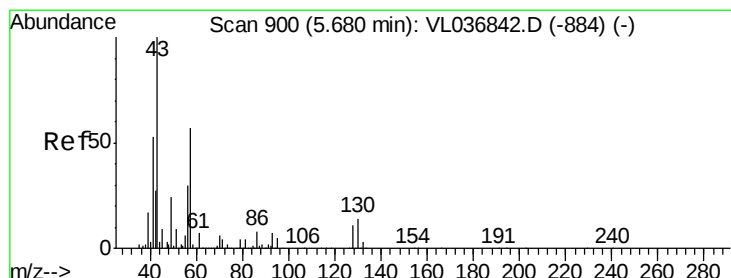
Tot Ion	43	Resp	3430422
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.7	7.4	11.0
70	6.7	5.4	8.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

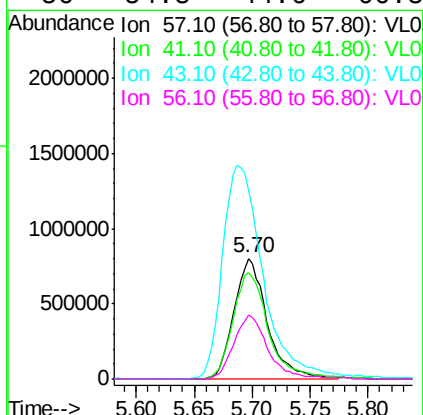
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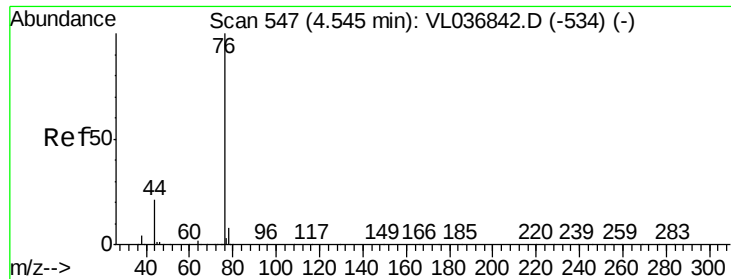
MMDadoda
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#26
Hexane
Concen: 9.644 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	57	Resp	1593457
Ion	Ratio	Lower	Upper
57	100		
41	94.6	77.7	116.5
43	218.0	180.5	270.7
56	54.8	44.6	66.8





#27

Carbon Disulfide

Concen: 10.967 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1573903

Ion Ratio Lower Upper

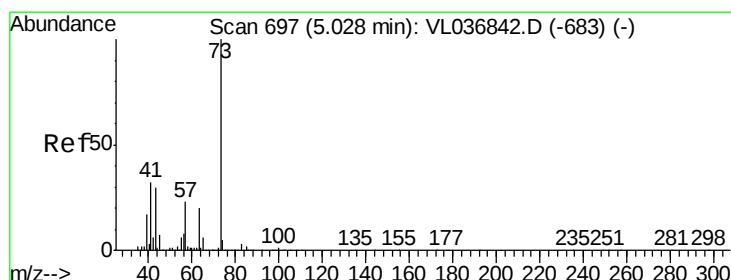
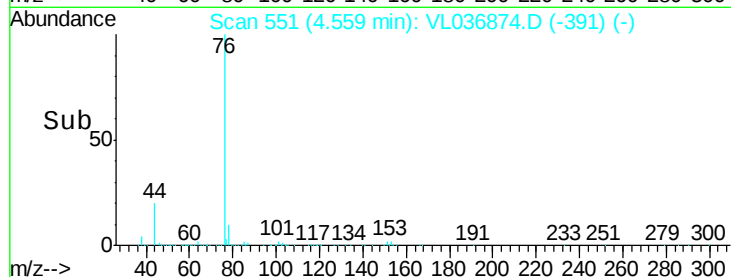
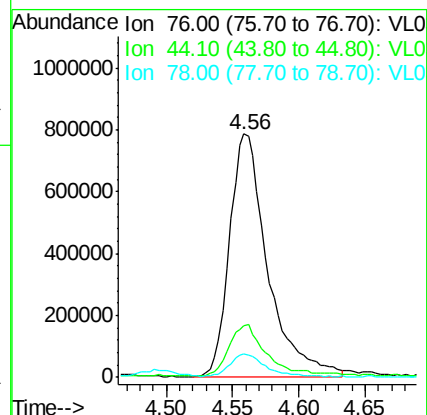
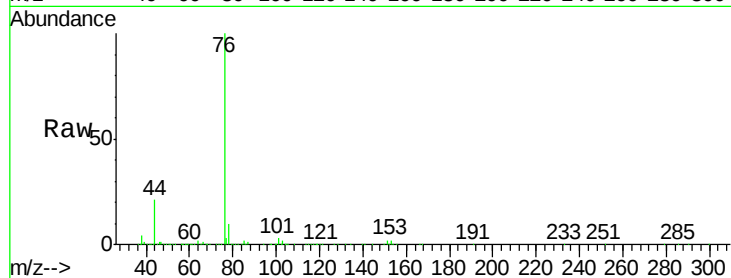
76 100

44 21.3 16.9 25.3

78 9.5 7.9 11.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 11.979 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL036874.D

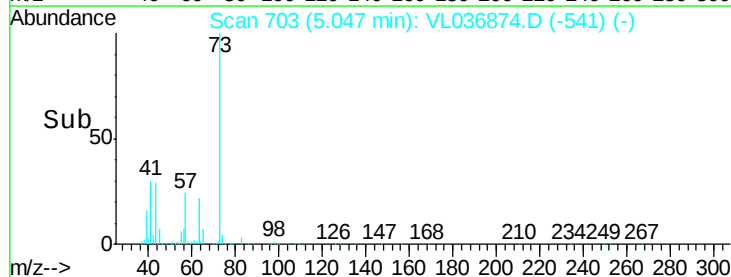
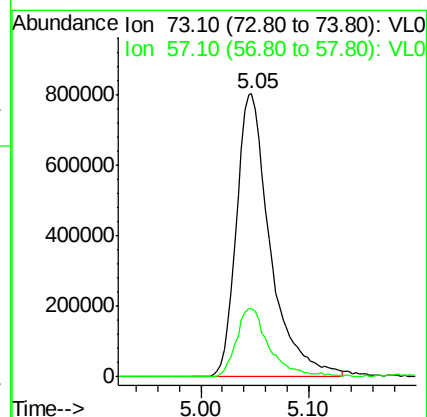
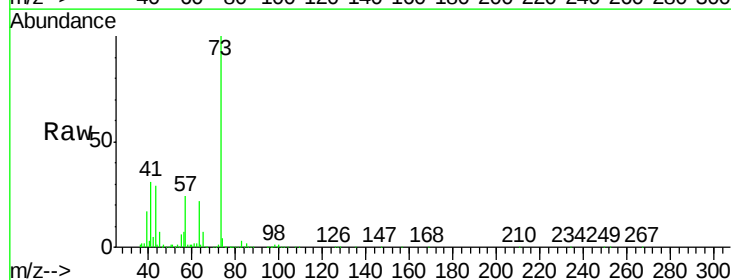
Acq: 28 Apr 2021 9:43

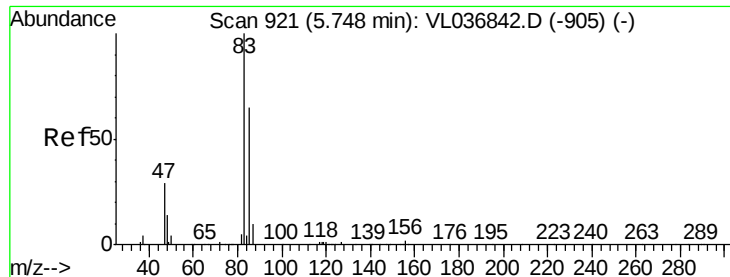
Tgt Ion: 73 Resp: 1754417

Ion Ratio Lower Upper

73 100

57 23.9 19.0 28.6





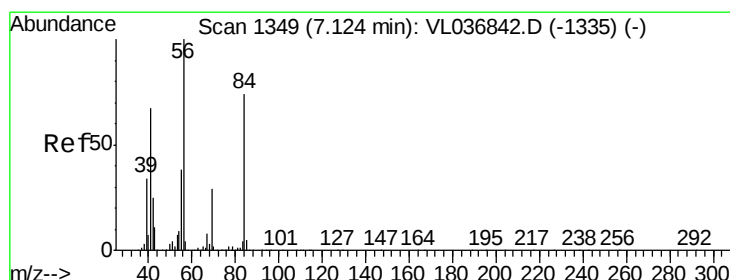
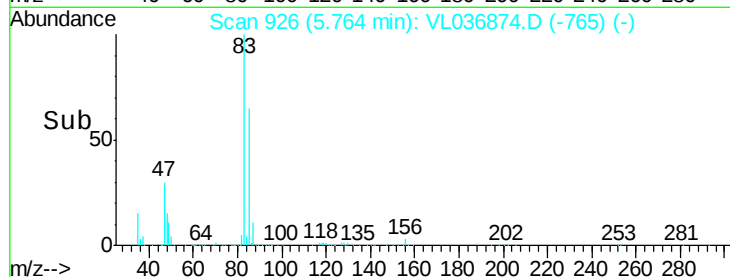
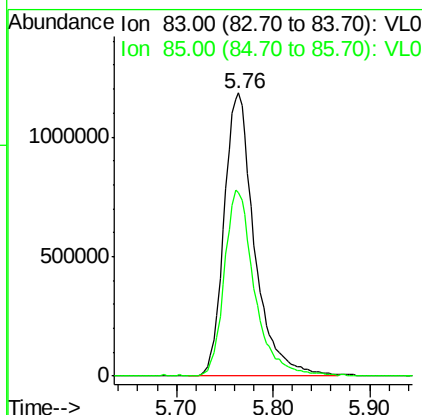
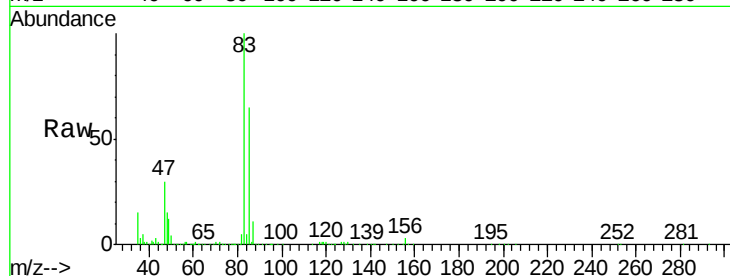
#29
Chloroform
Concen: 10.028 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2583329
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.4

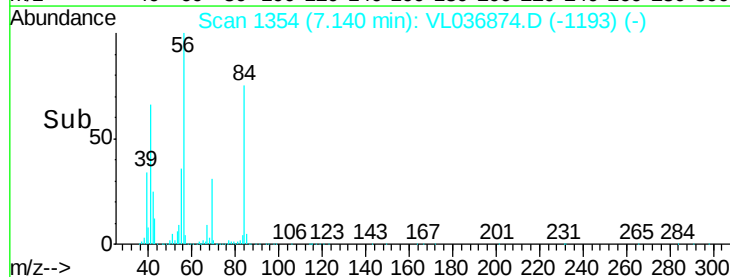
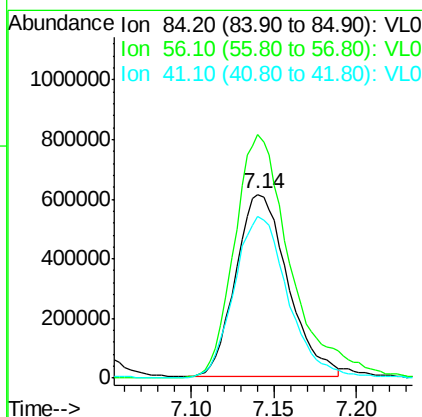
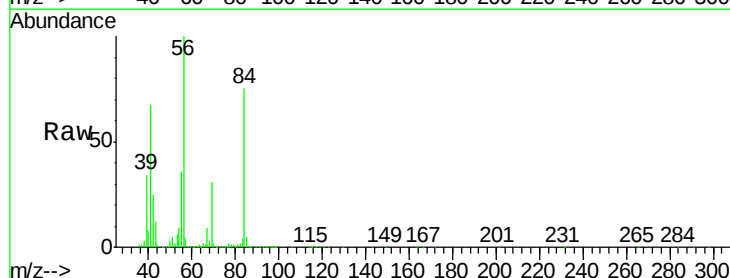
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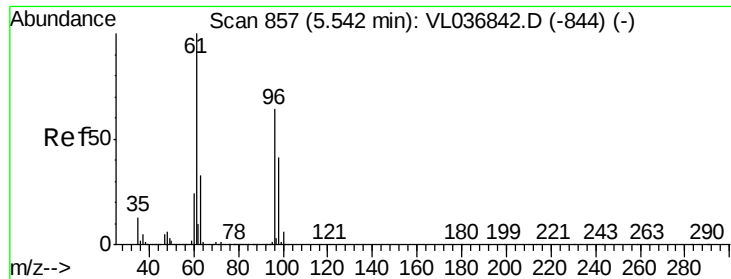
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#30
Cyclohexane
Concen: 10.198 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 84 Resp: 1336255
Ion Ratio Lower Upper
84 100
56 145.6 115.8 173.6
41 92.0 74.6 111.8





#31

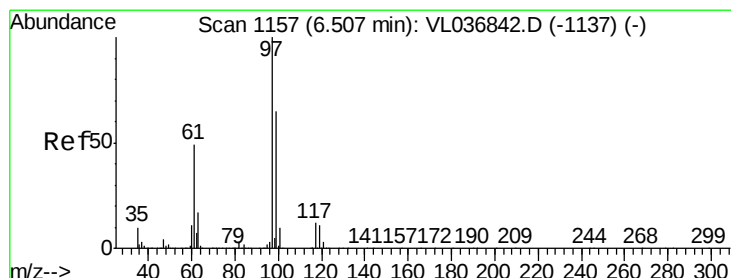
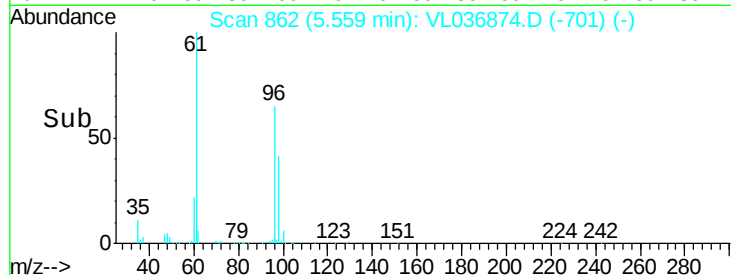
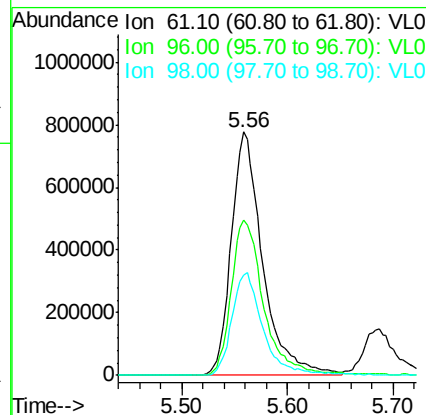
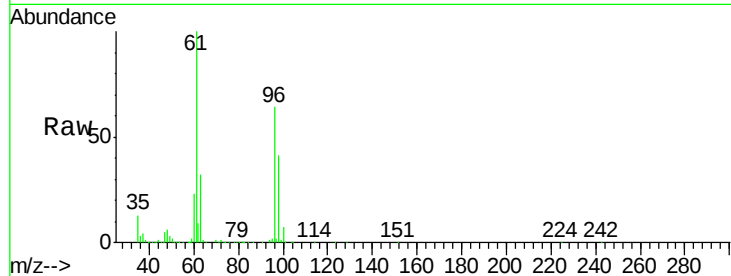
cis-1,2-Dichloroethene
 Concen: 10.778 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.6	51.0	76.6
98	41.3	32.7	49.1

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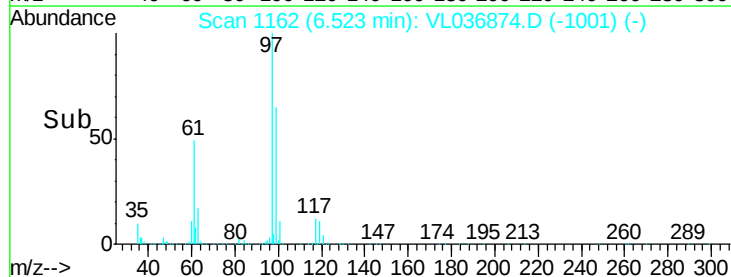
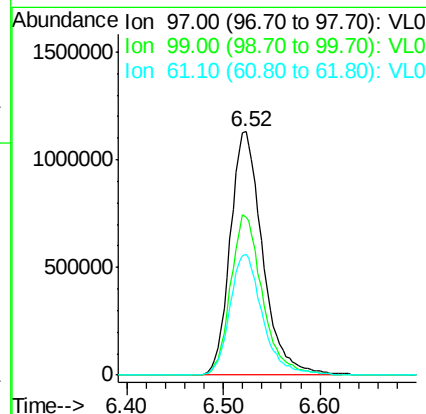
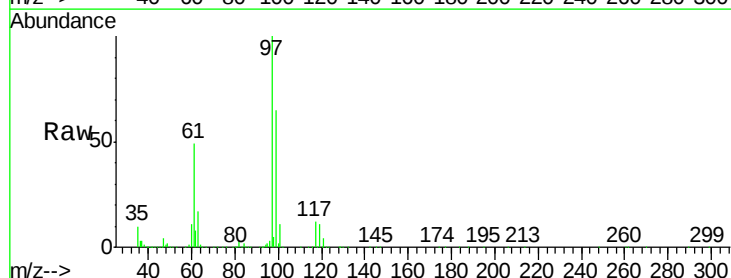
MMDadoda
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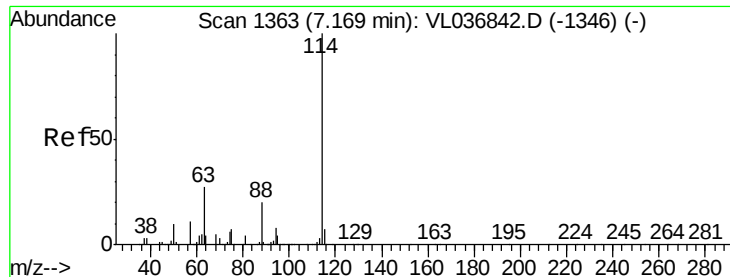


#32

1,1,1-Trichloroethane
 Concen: 10.046 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	49.9	40.8	61.2





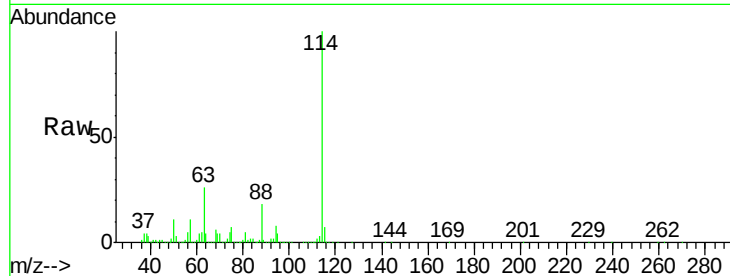
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

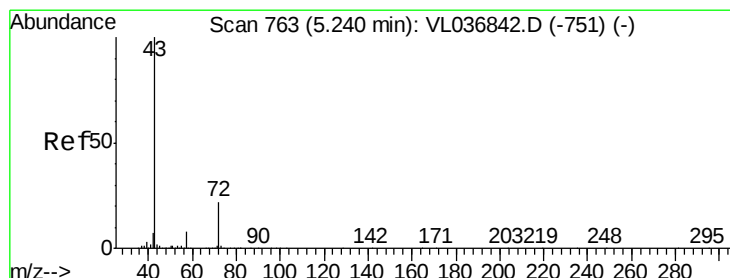
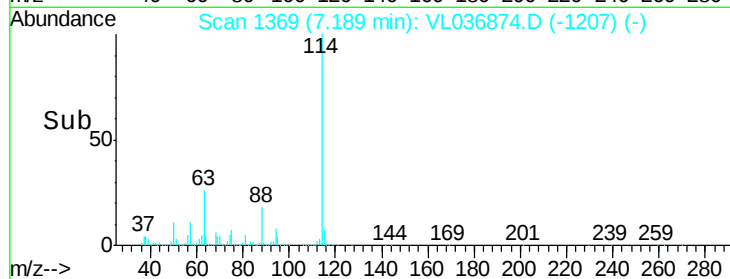
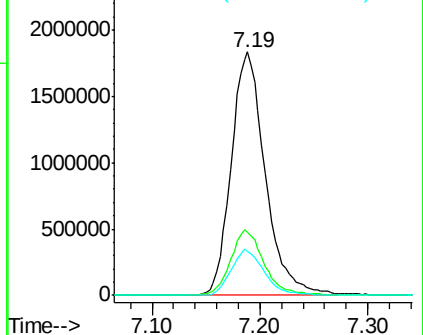
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.9	32.9
88	18.5	15.1	22.7

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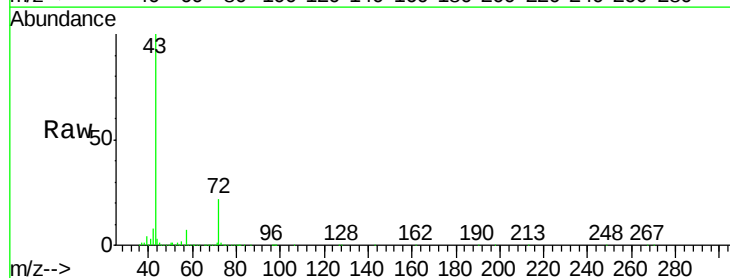


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

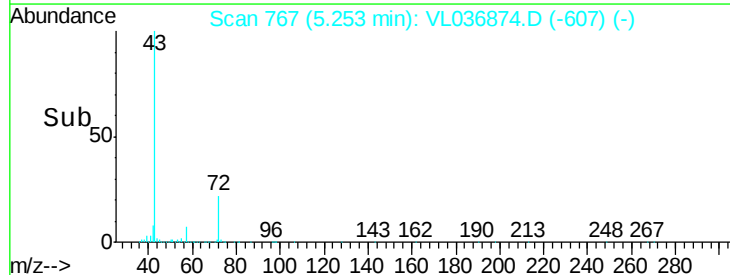
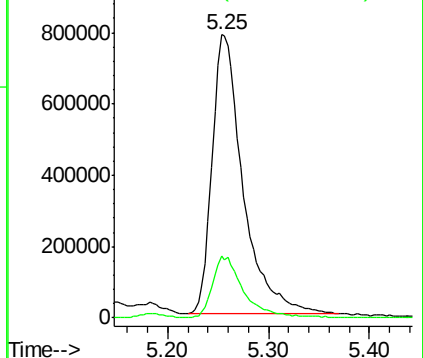


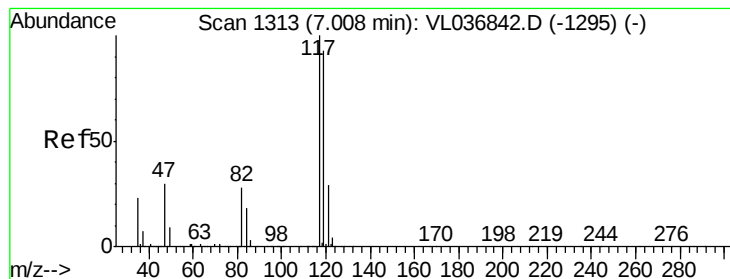
#34
 2-Butanone
 Concen: 9.485 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.6	26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.076 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2756524

Ion Ratio Lower Upper

117 100

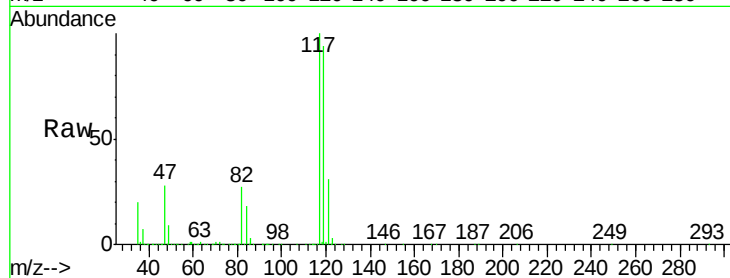
119 94.2 74.6 111.8

121 30.9 23.3 34.9

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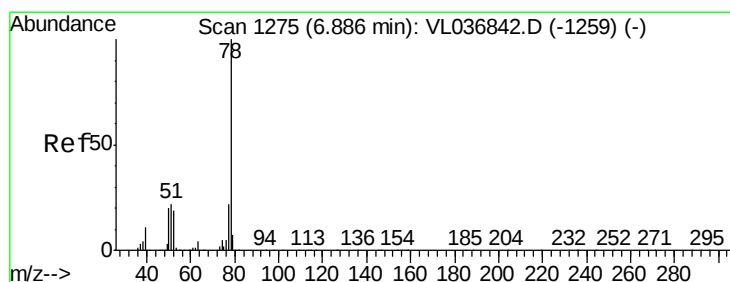
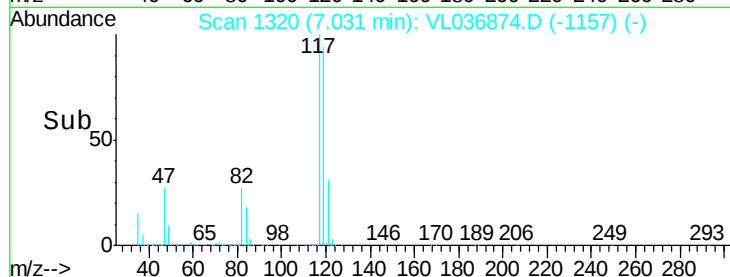
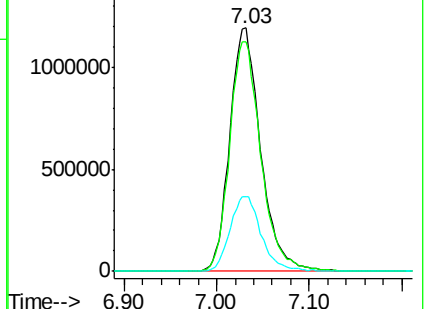
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.988 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

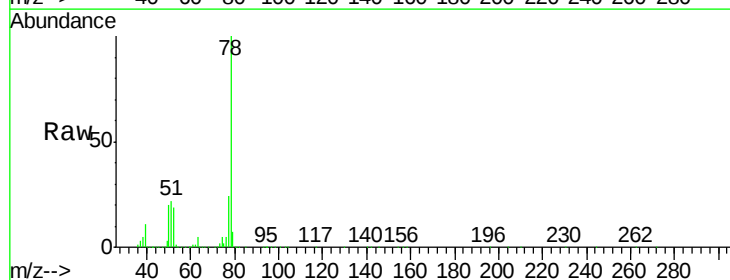
Tgt Ion: 78 Resp: 3392784

Ion Ratio Lower Upper

78 100

77 24.1 17.6 26.4

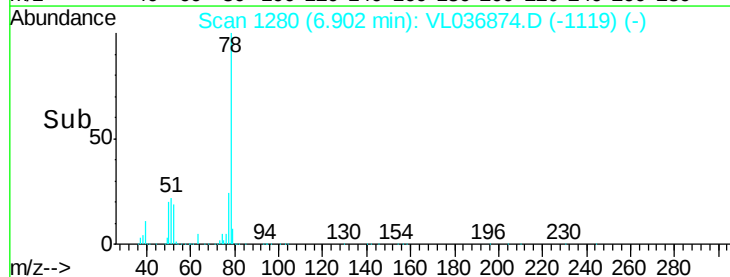
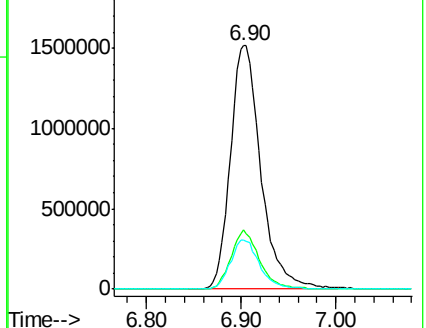
50 20.4 16.3 24.5

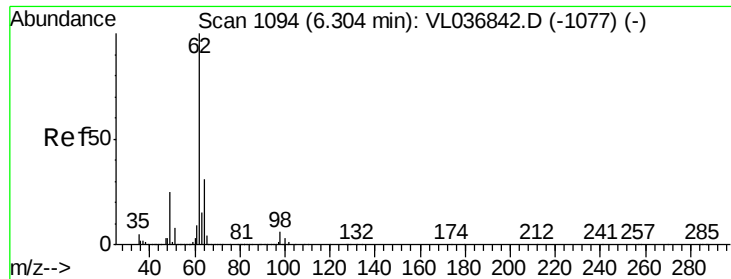


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





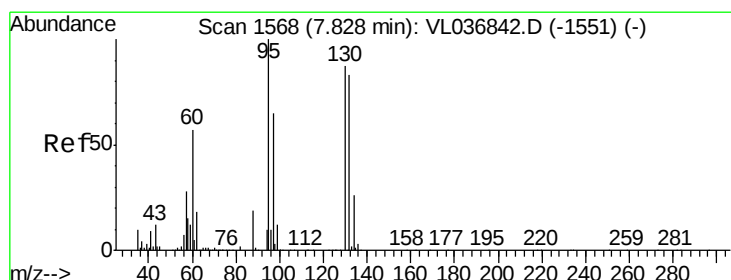
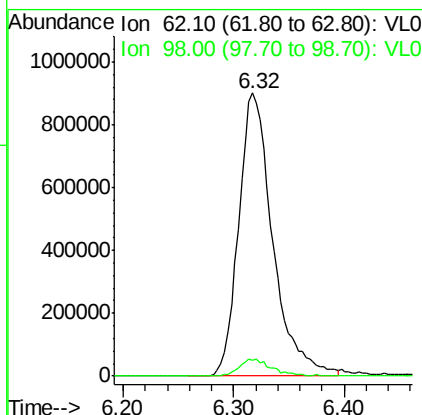
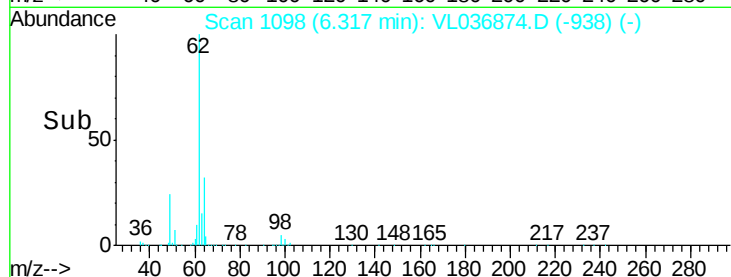
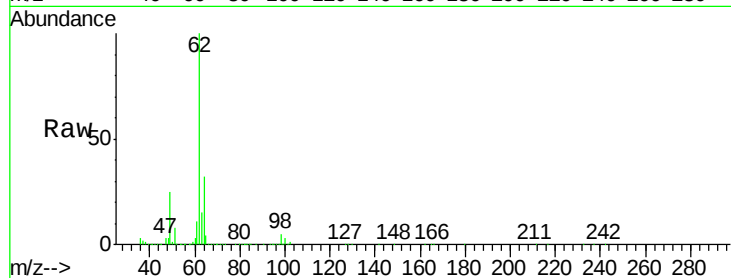
#37
 1,2-Dichloroethane
 Concen: 10.032 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1929658
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2

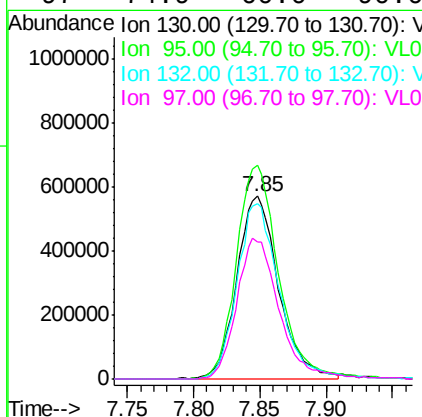
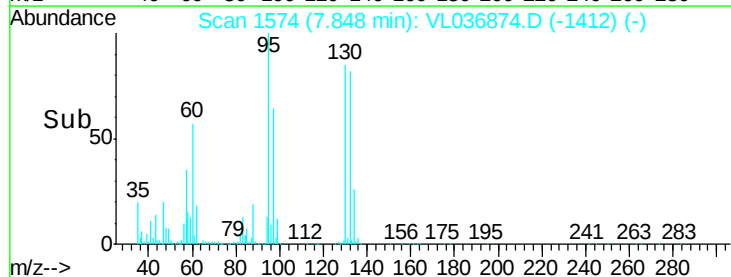
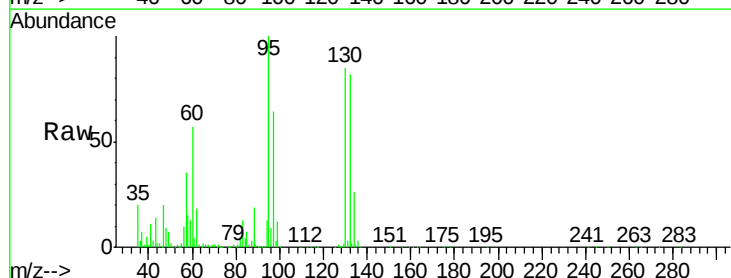
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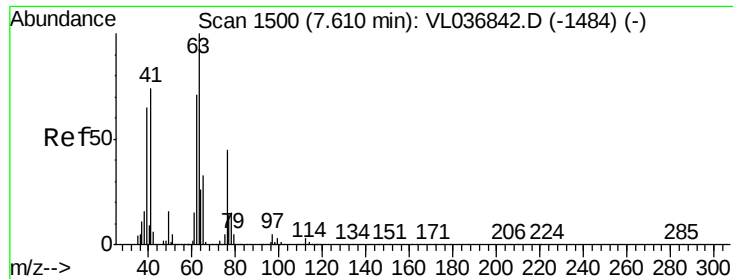
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#38
 Trichloroethene
 Concen: 10.351 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 130 Resp: 1251908
 Ion Ratio Lower Upper
 130 100
 95 117.0 92.3 138.5
 132 95.9 76.8 115.2
 97 74.9 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.745 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1326164

Ion Ratio Lower Upper

63 100

41 80.2 59.1 88.7

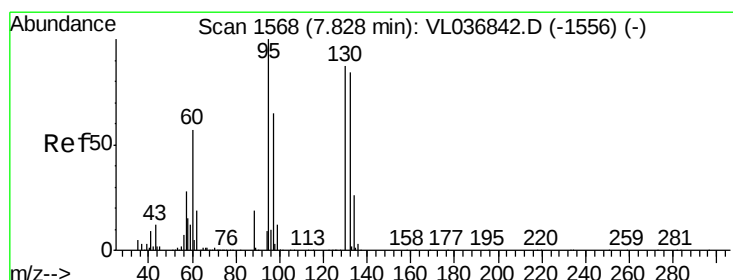
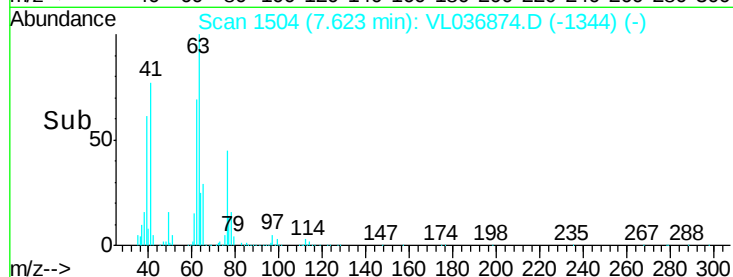
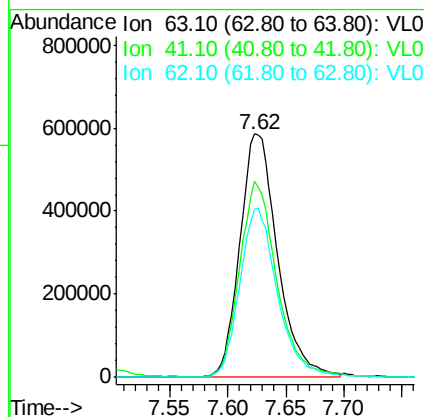
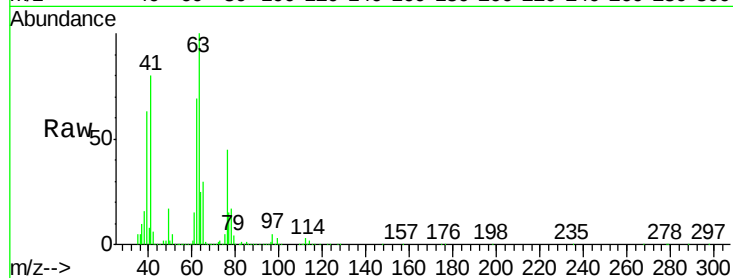
62 69.0 56.9 85.3

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#40

1,4-Dioxane

Concen: 9.577 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion: 88 Resp: 314737

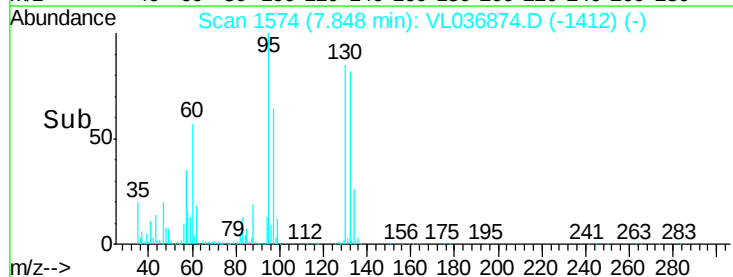
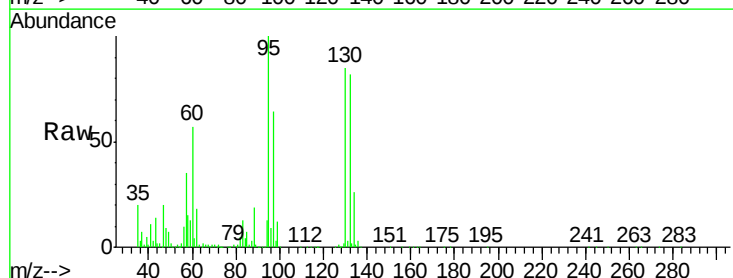
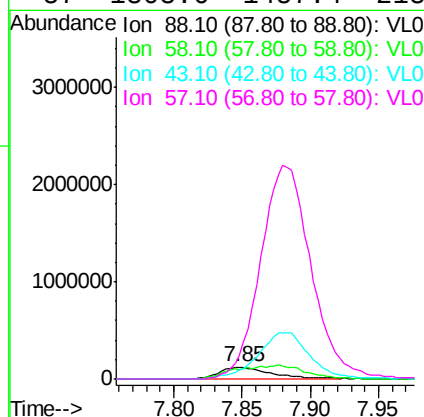
Ion Ratio Lower Upper

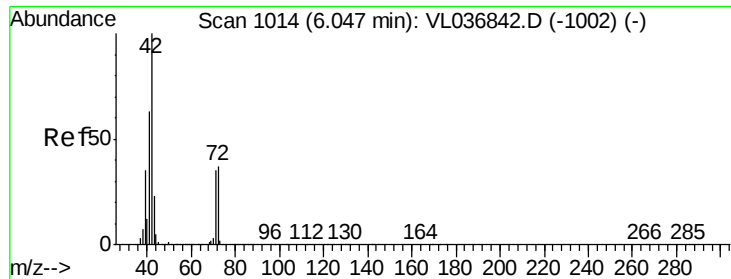
88 100

58 163.5 132.6 198.8

43 406.5 331.5 497.3

57 1808.6 1457.4 2186.0





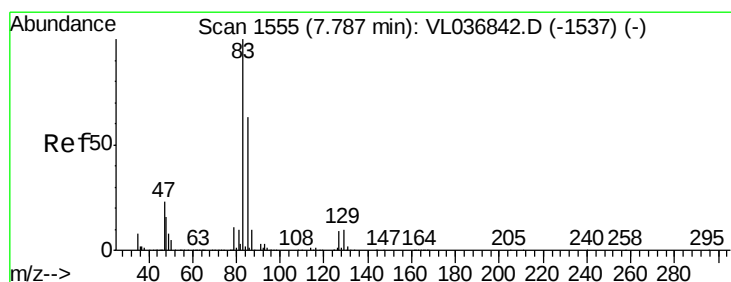
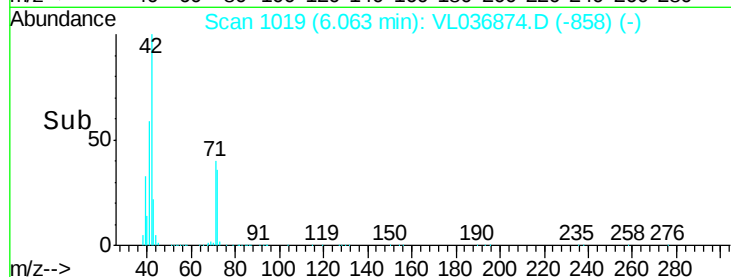
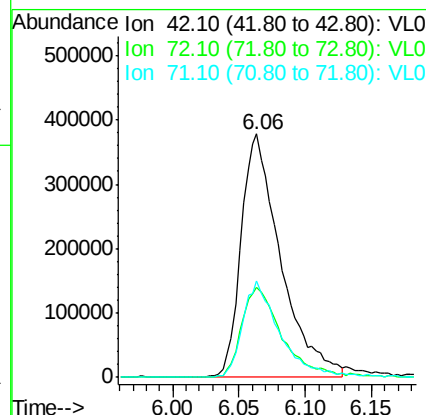
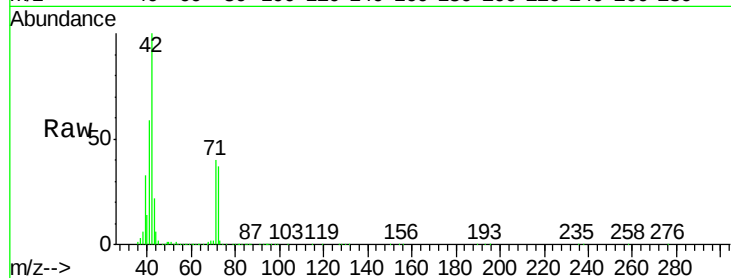
#41
Tetrahydrofuran
Concen: 10.149 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	29.7	44.5
71	37.8	29.0	43.6

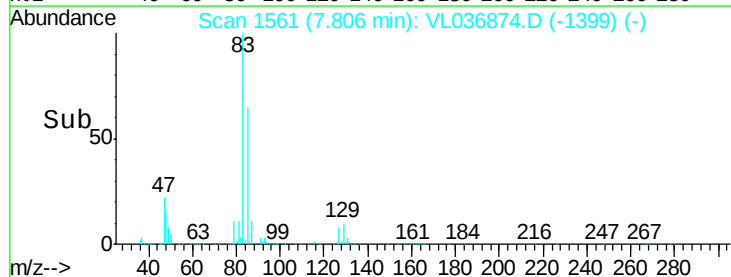
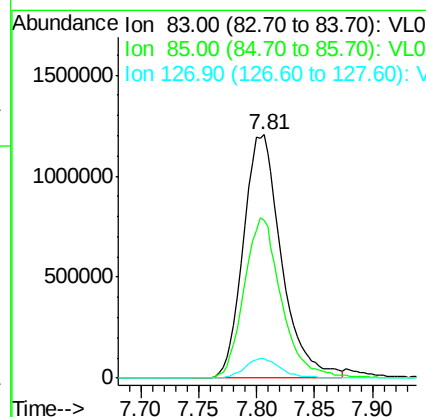
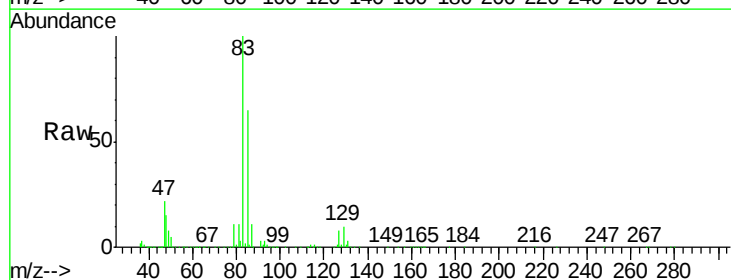
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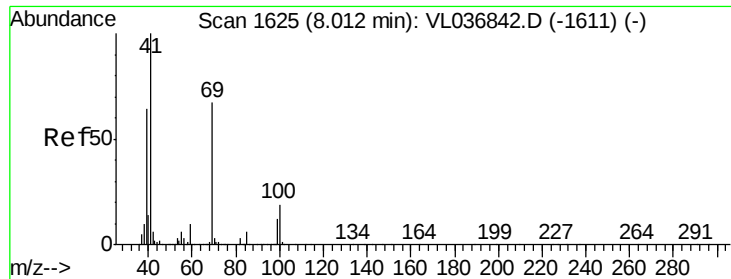
MMDadoda
4/29/2021 5:53:55 PM



#42
Bromodichloromethane
Concen: 10.351 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6
127	7.9	6.9	10.3





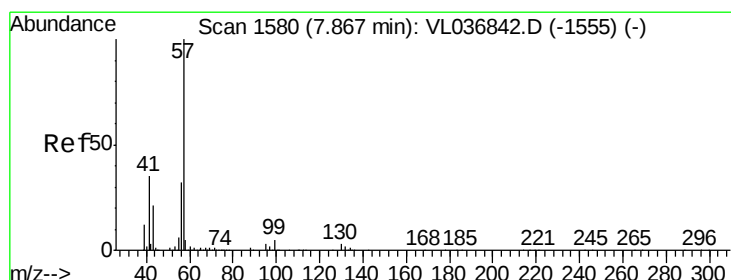
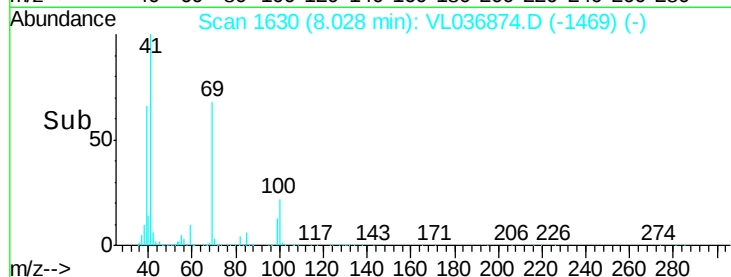
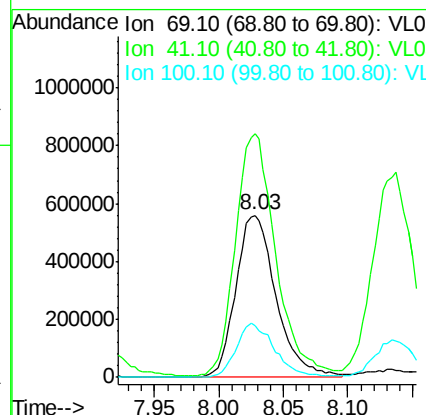
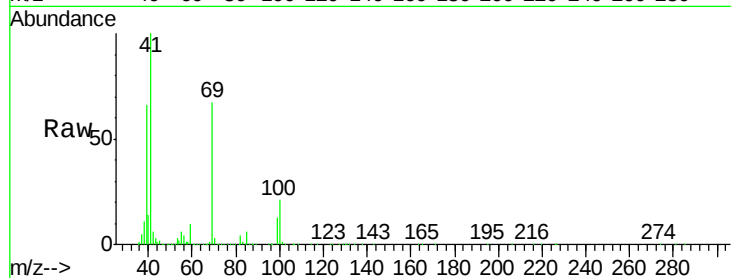
#43
Methvl Methacrilate
Concen: 10.957 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1214456
Ion Ratio Lower Upper
69 100
41 151.2 124.2 186.4
100 31.9 25.5 38.3

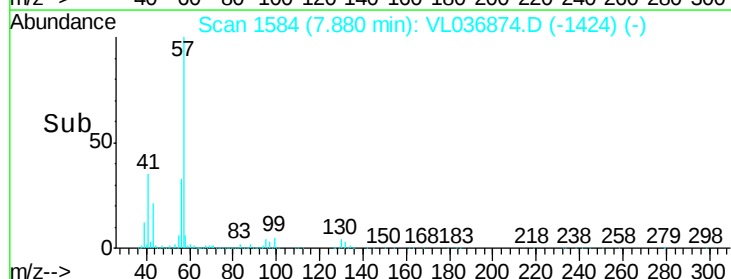
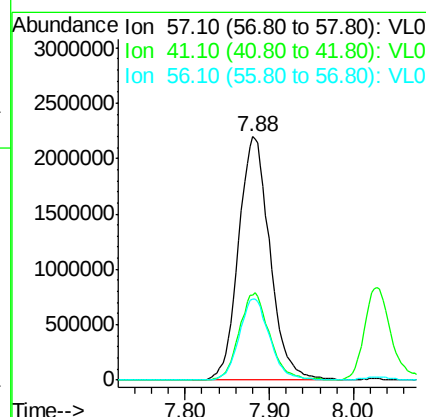
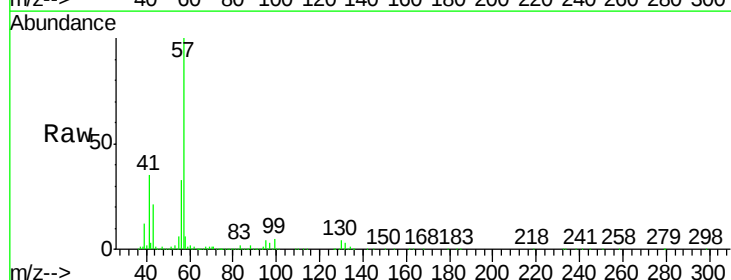
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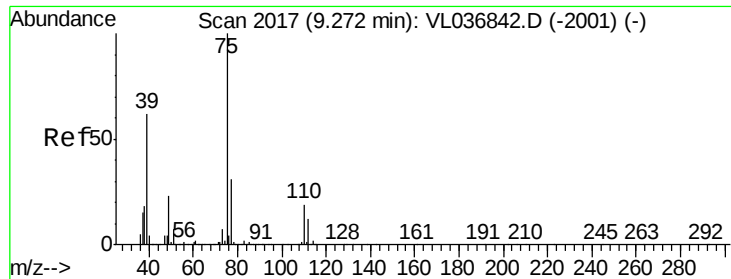
MMDadoda
4/29/2021 5:53:55 PM



#44
2,2,4-Trimethylpentane
Concen: 9.772 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 57 Resp: 5688735
Ion Ratio Lower Upper
57 100
41 34.9 28.2 42.4
56 32.5 25.9 38.9





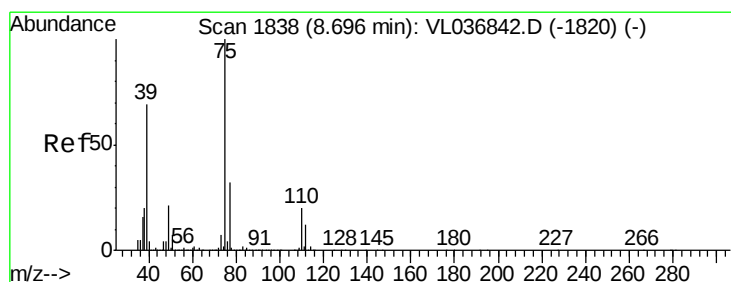
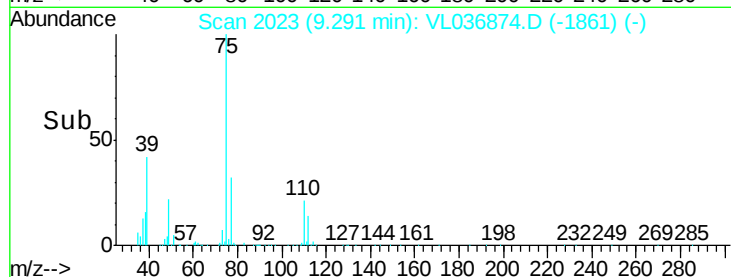
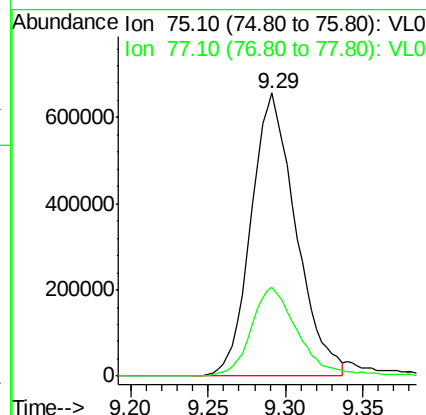
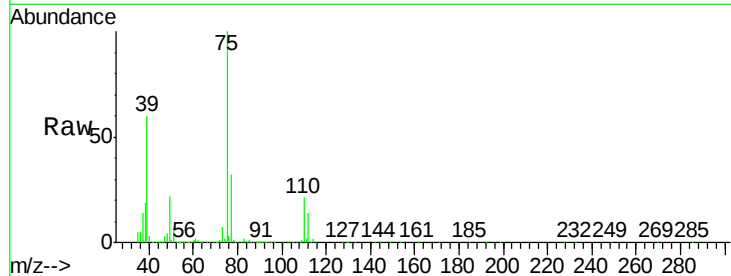
#45
t-1,3-Dichloropropene
Concen: 11.105 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1326936
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

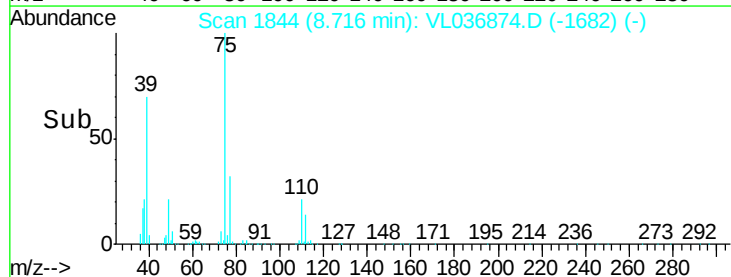
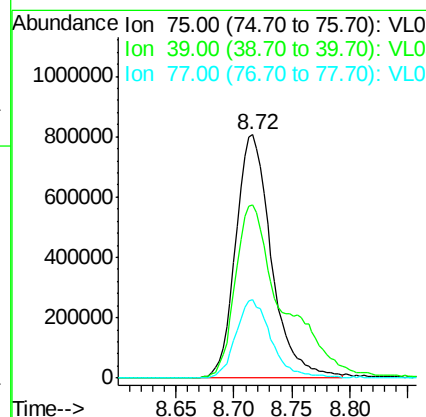
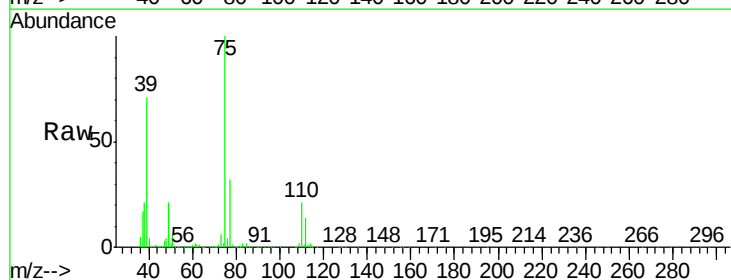
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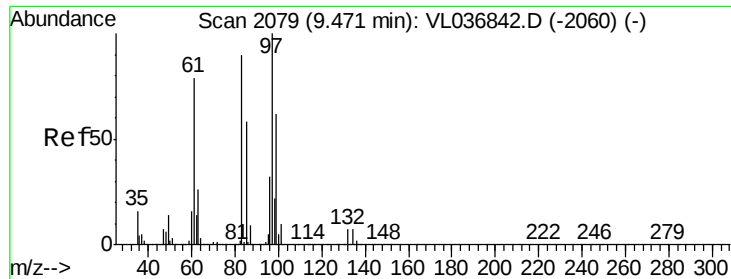
MMDadoda
4/29/2021 5:53:55 PM



#46
cis-1,3-Dichloropropene
Concen: 11.284 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 75 Resp: 1728769
Ion Ratio Lower Upper
75 100
39 71.2 55.4 83.0
77 32.2 25.2 37.8





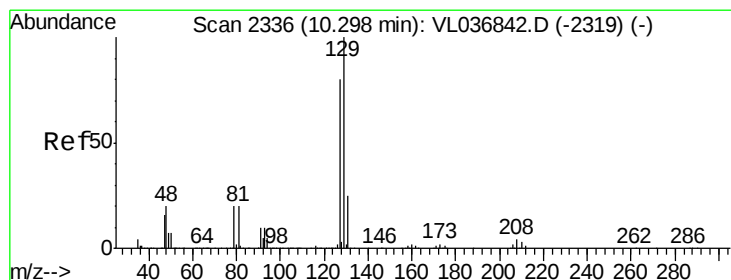
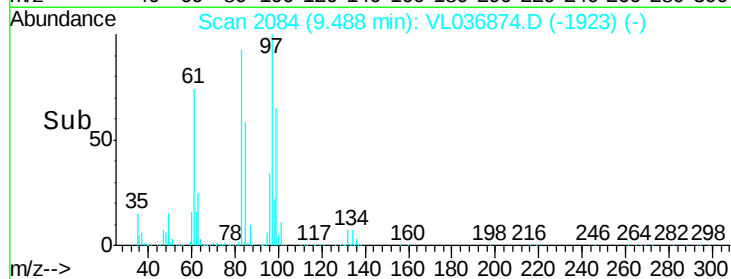
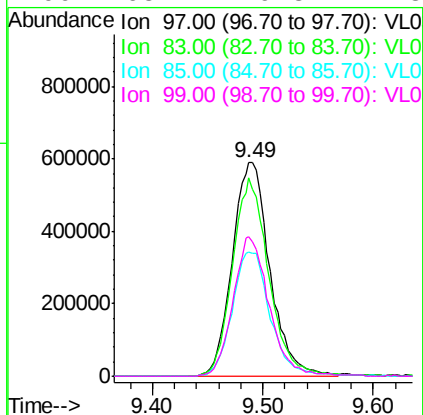
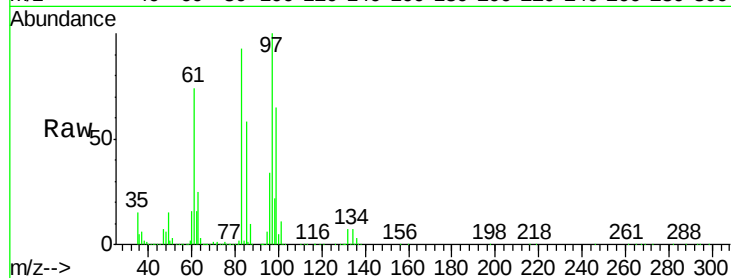
#47
 1,1,2-Trichloroethane
 Concen: 9.863 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.6	71.9	107.9
85	57.9	46.5	69.7
99	65.4	49.8	74.8

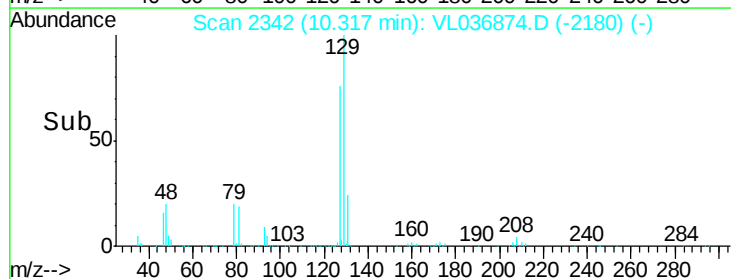
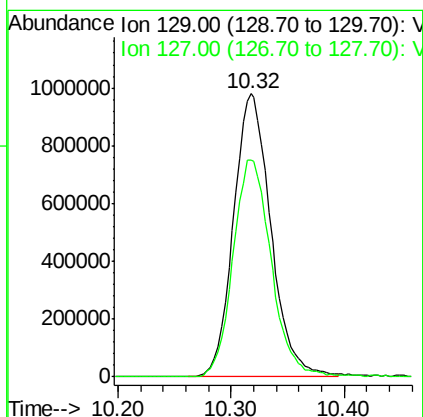
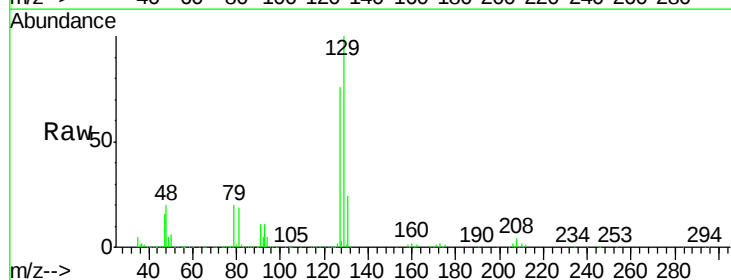
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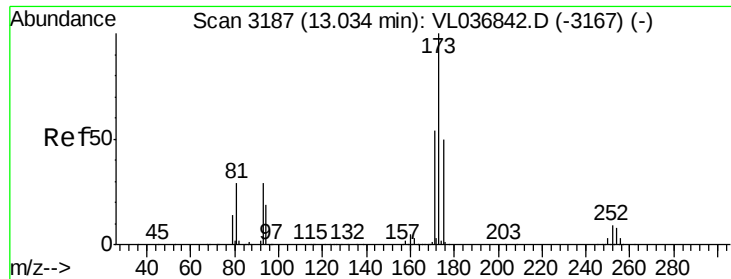
MMDadoda
 4/29/2021 5:53:55 PM



#48
 Dibromochloromethane
 Concen: 10.776 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	40.2	120.5





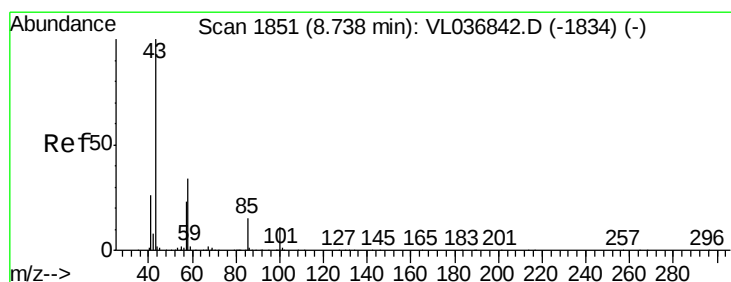
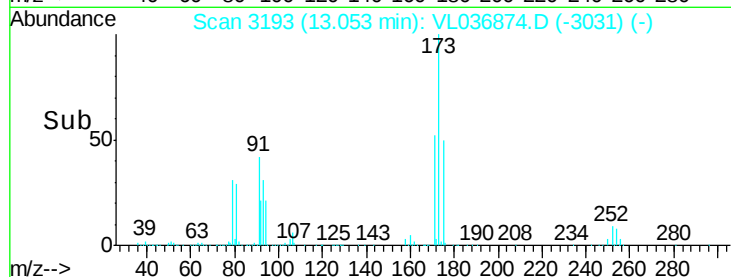
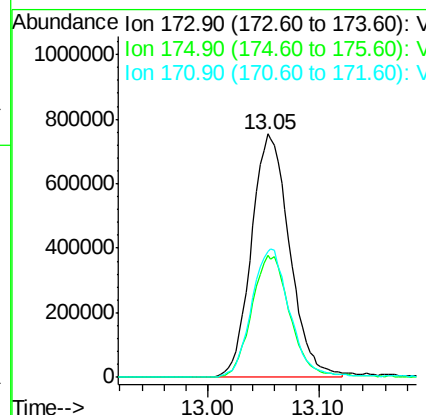
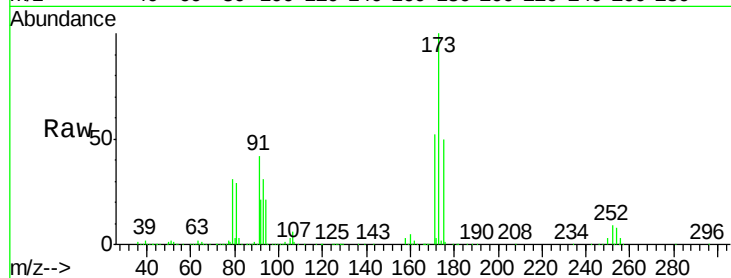
#49
Bromoform
Concen: 10.874 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1812478
Ion Ratio Lower Upper
173 100
175 51.1 39.6 59.4
171 52.9 42.2 63.4

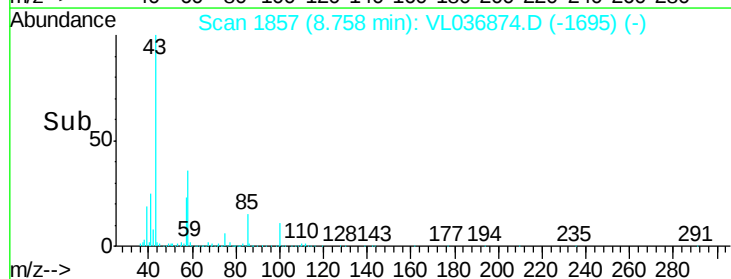
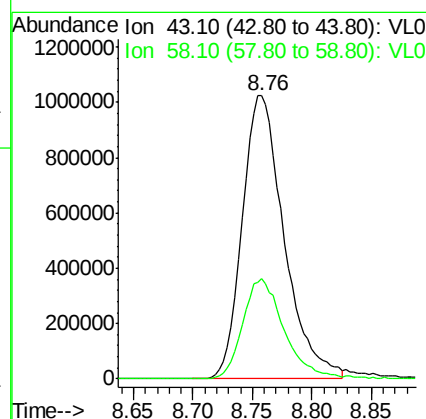
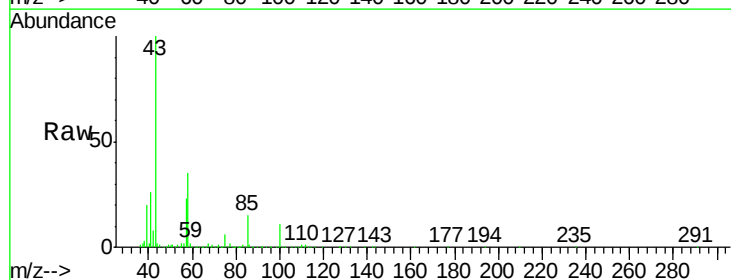
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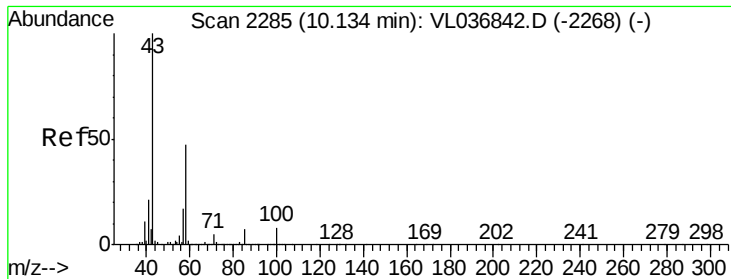
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#50
4-Methyl-2-Pentanone
Concen: 10.314 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 43 Resp: 2489687
Ion Ratio Lower Upper
43 100
58 35.2 27.8 41.8





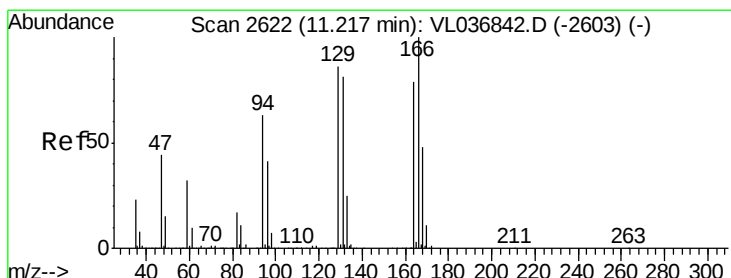
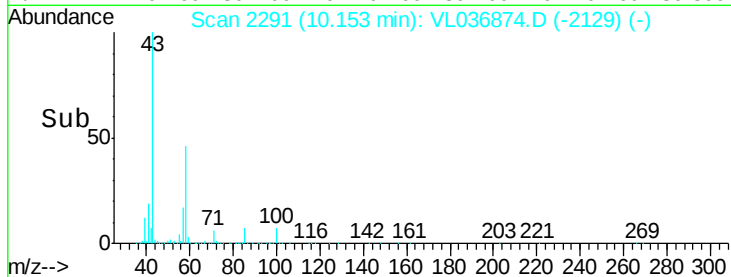
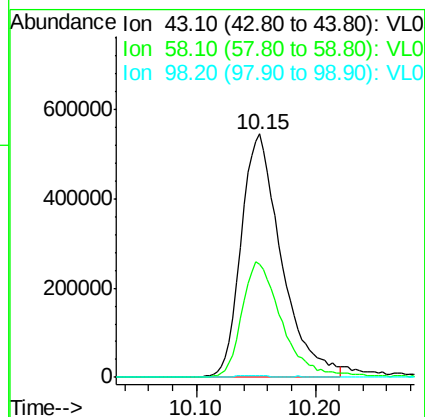
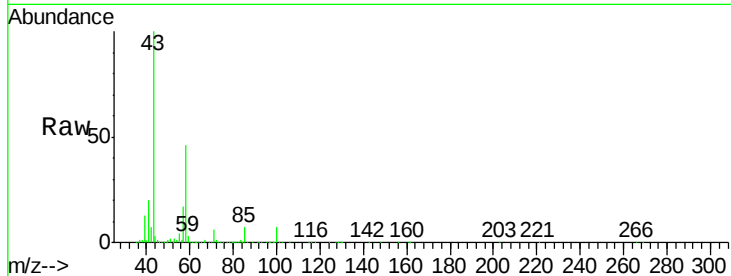
#51
2-Hexanone
Concen: 10.615 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1278029
Ion Ratio Lower Upper
43 100
58 48.1 37.0 55.6
98 1.0 0.2 0.4#

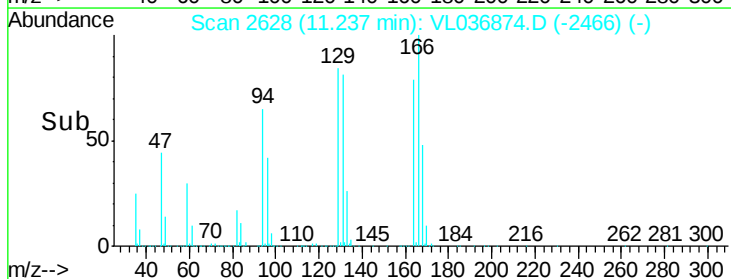
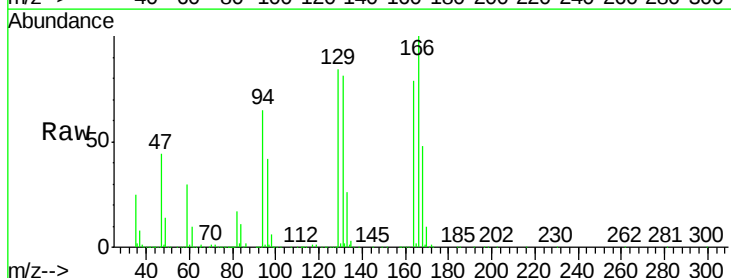
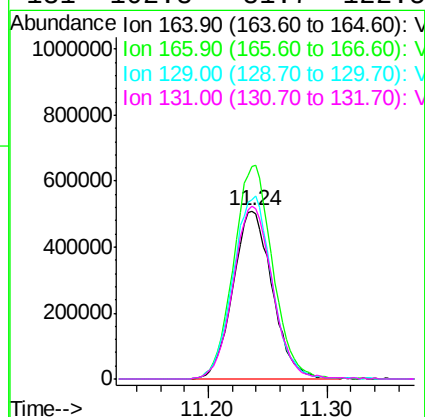
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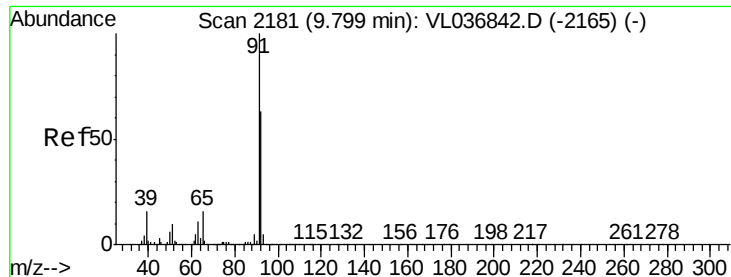
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4/29/2021 5:53:55 PM



#52
Tetrachloroethene
Concen: 9.997 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion:164 Resp: 1156383
Ion Ratio Lower Upper
164 100
166 126.7 100.9 151.3
129 106.7 87.0 130.4
131 102.8 81.7 122.5





#53

Toluene

Concen: 10.565 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3755171

Ion Ratio Lower Upper

91 100

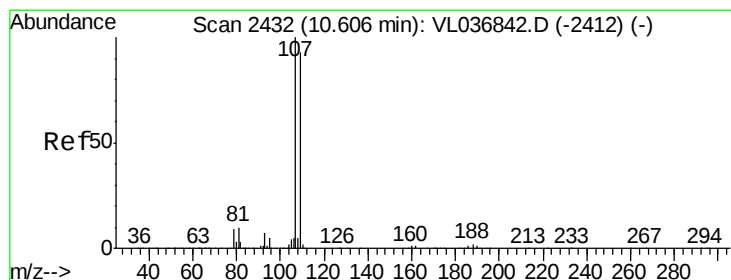
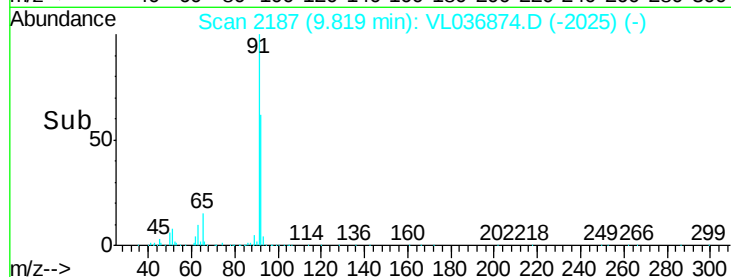
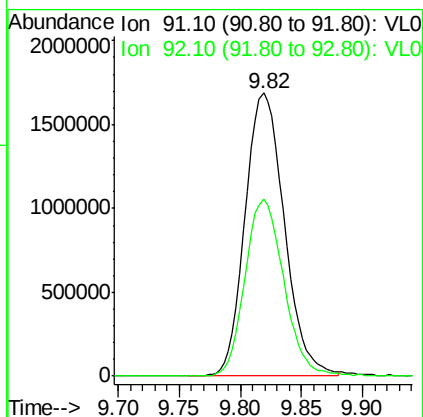
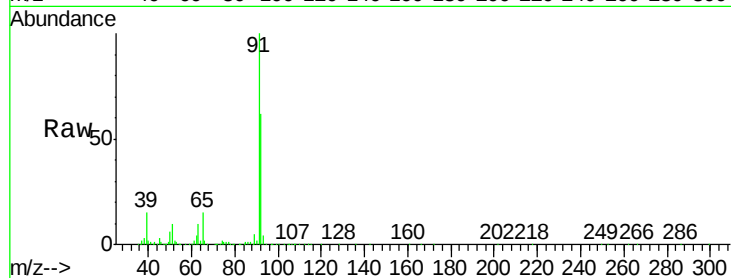
92 62.1 49.0 73.4

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4/29/2021 5:53:55 PM



#54

1,2-Dibromoethane

Concen: 9.871 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.02 min

Lab File: VL036874.D

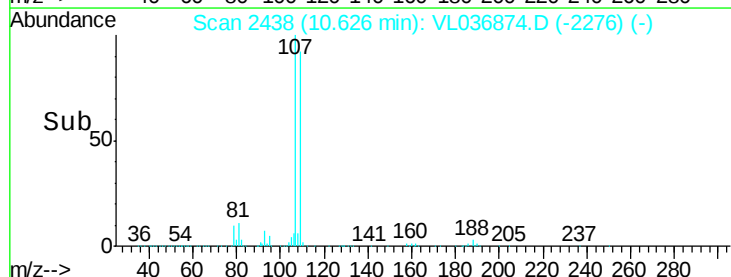
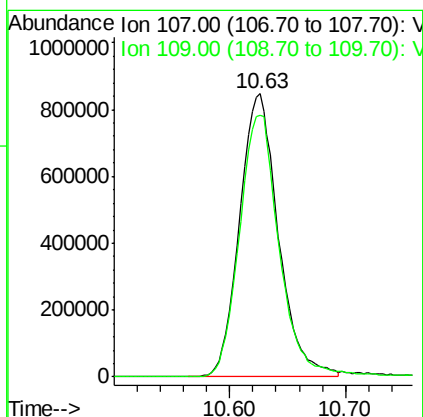
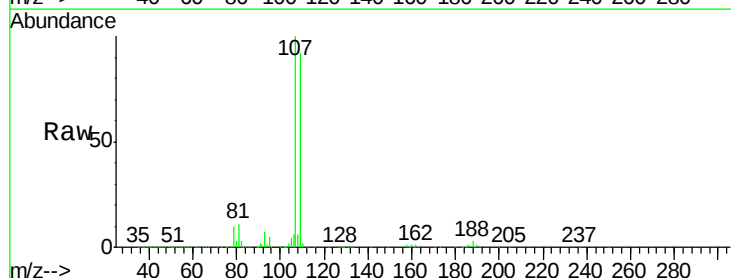
Acq: 28 Apr 2021 9:43

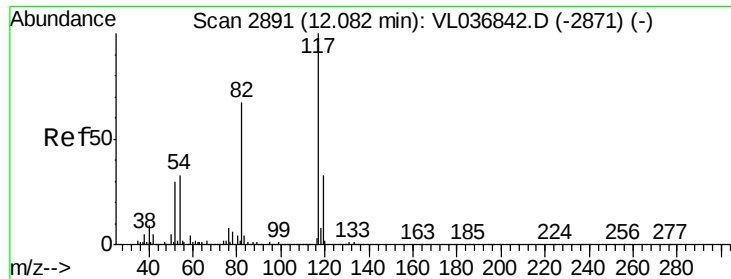
Tgt Ion: 107 Resp: 1963520

Ion Ratio Lower Upper

107 100

109 92.5 74.7 112.1





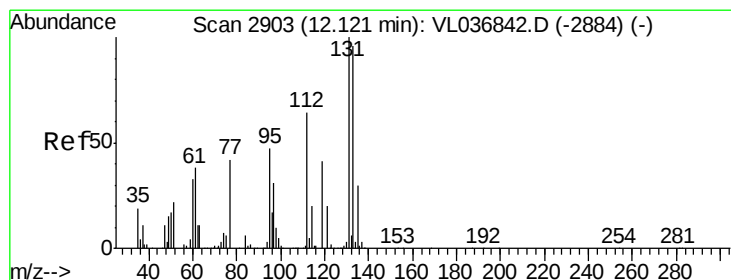
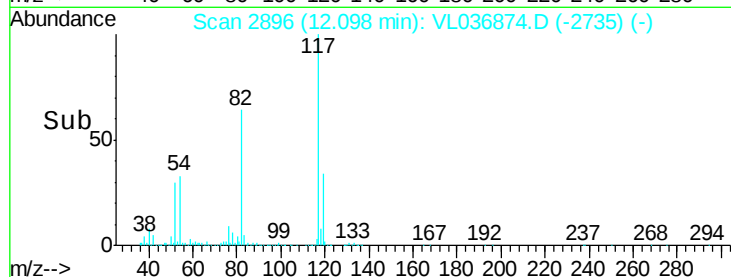
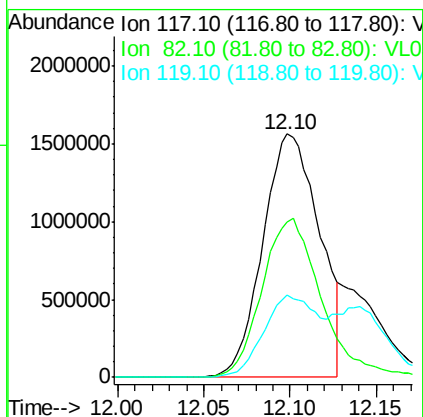
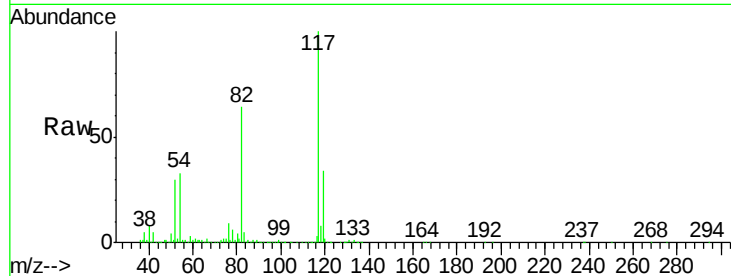
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3569348
Ion Ratio Lower Upper
117 100
82 69.5 53.5 80.3
119 60.9 25.6 38.4#

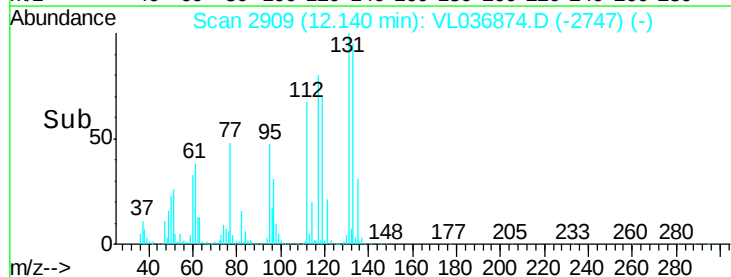
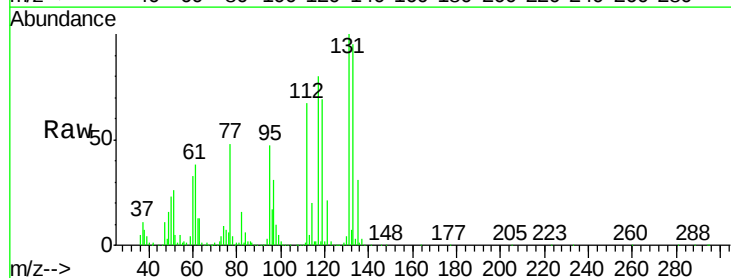
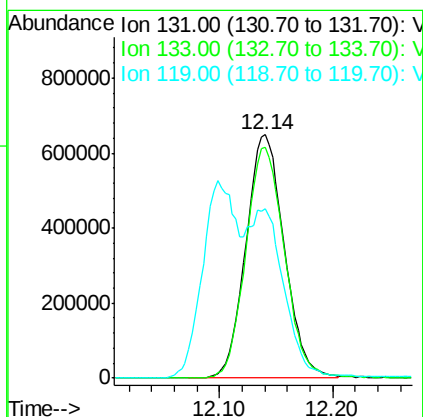
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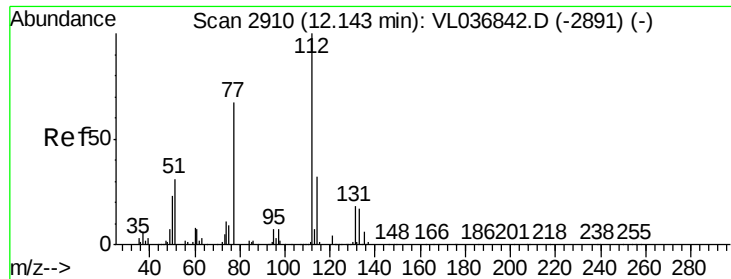
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.227 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion:131 Resp: 1530405
Ion Ratio Lower Upper
131 100
133 96.0 76.3 114.5
119 141.8 114.9 172.3





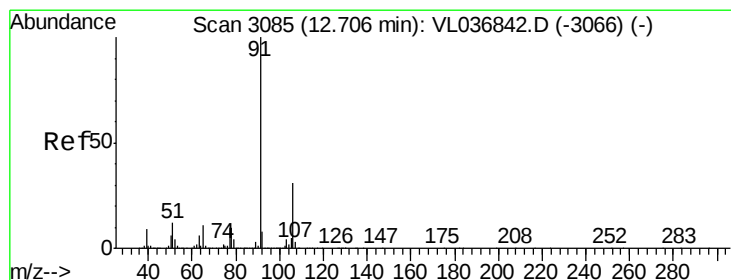
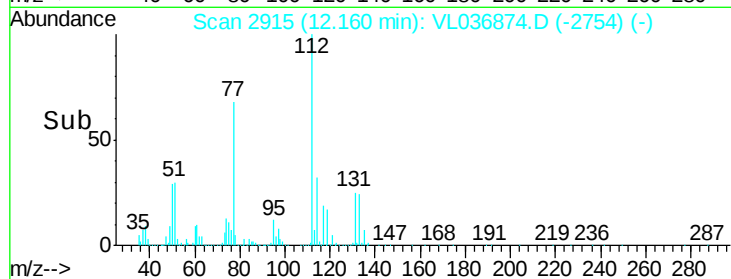
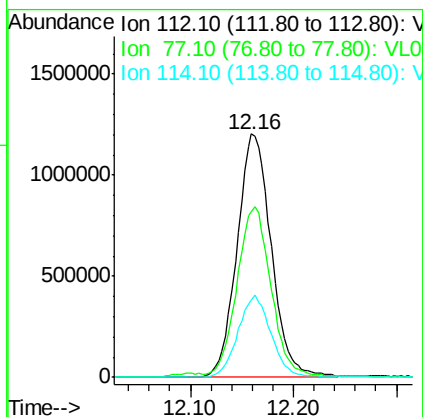
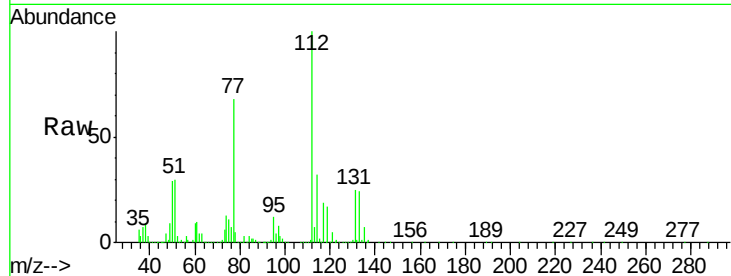
#57
Chlorobenzene
Concen: 10.014 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.2	54.2	81.4
114	31.5	28.5	34.9

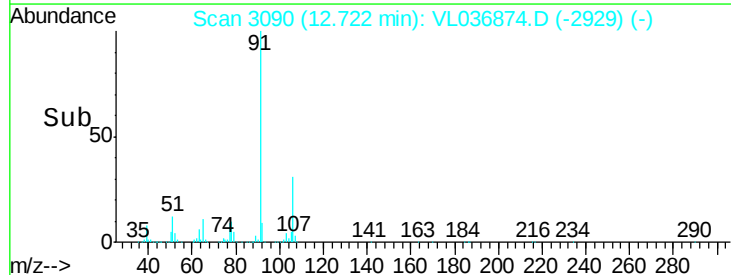
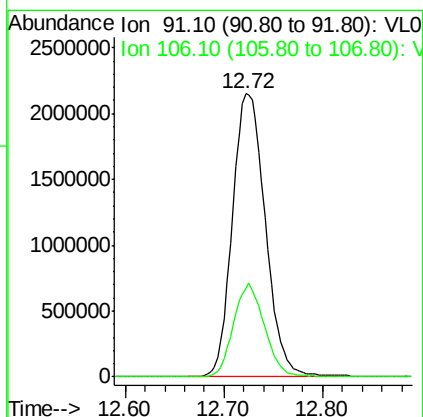
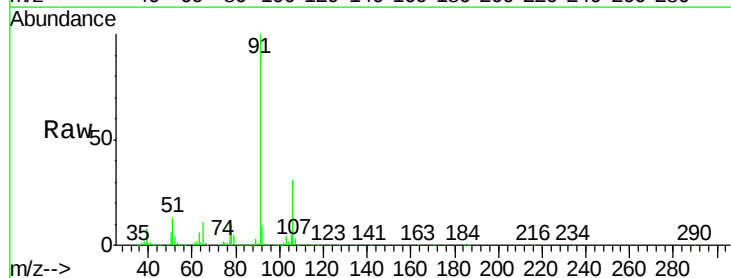
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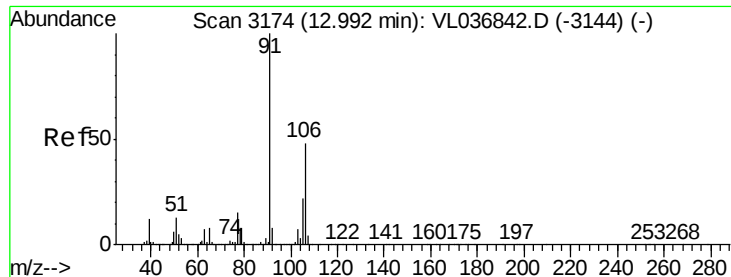
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#58
Ethyl Benzene
Concen: 11.056 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.1	37.7





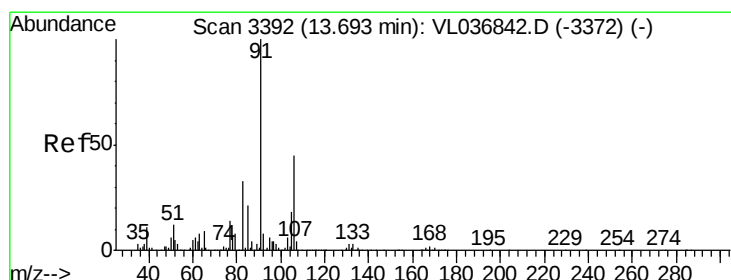
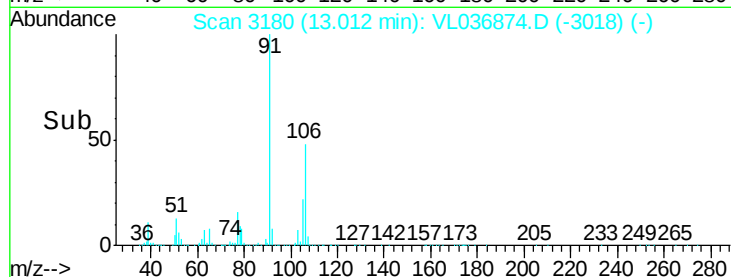
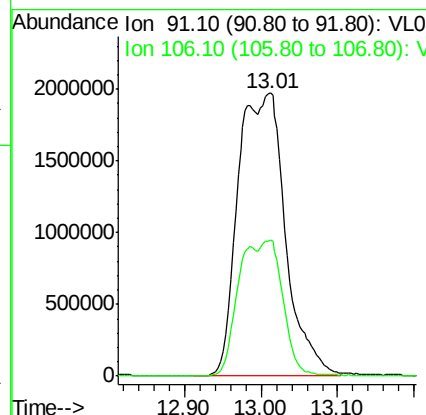
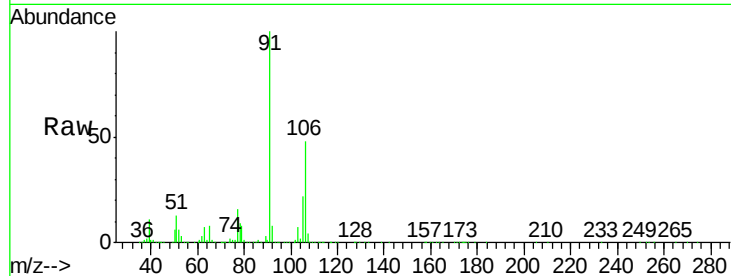
#59
m/p-Xylene
Concen: 21.059 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8521057
Ion Ratio Lower Upper
91 100
106 44.9 35.8 53.6

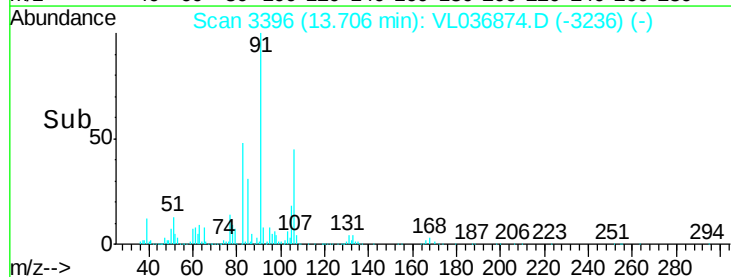
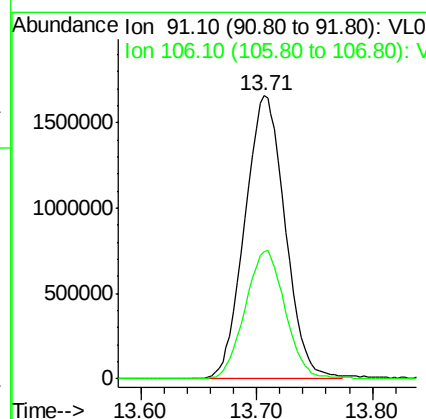
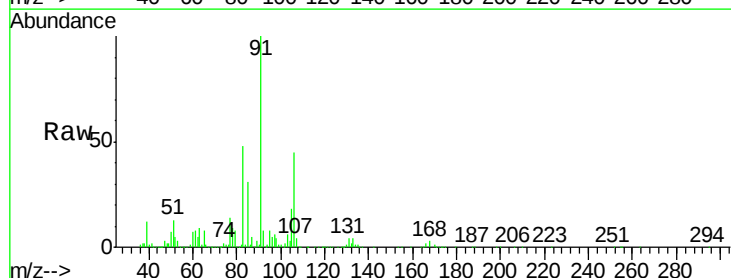
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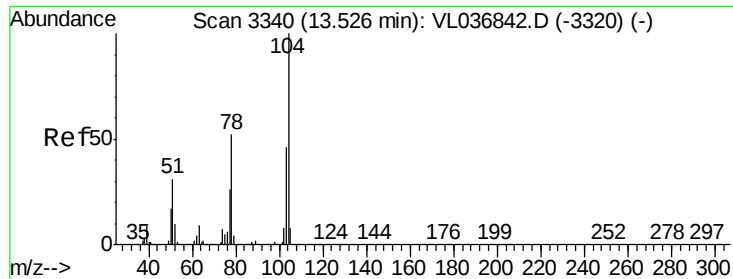
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#60
o-Xylene
Concen: 10.226 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 91 Resp: 4000847
Ion Ratio Lower Upper
91 100
106 45.3 22.6 67.7





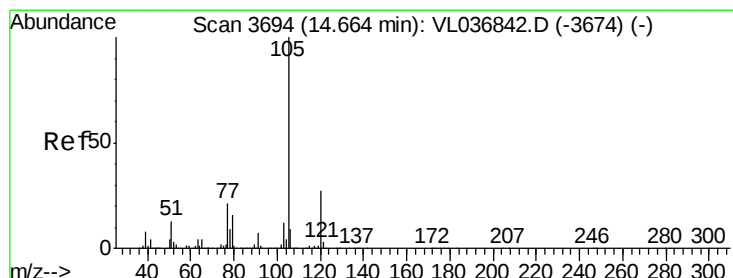
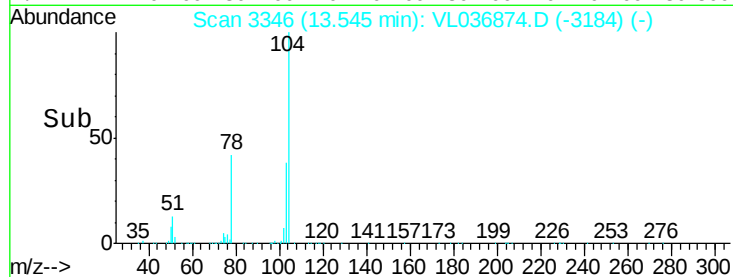
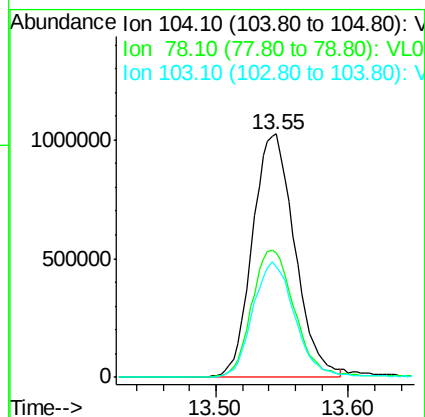
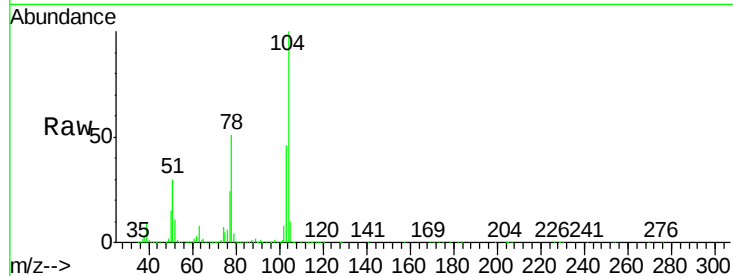
#61
Stvrene
Concen: 12.376 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.6	64.0
103	47.4	38.1	57.1

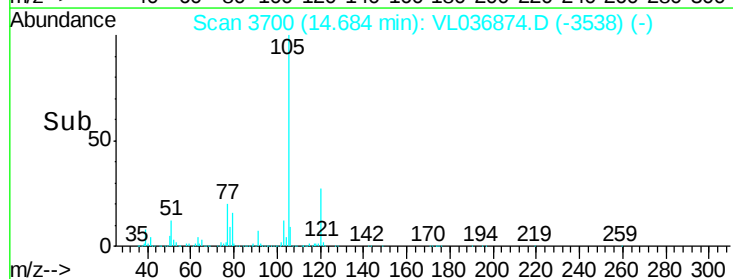
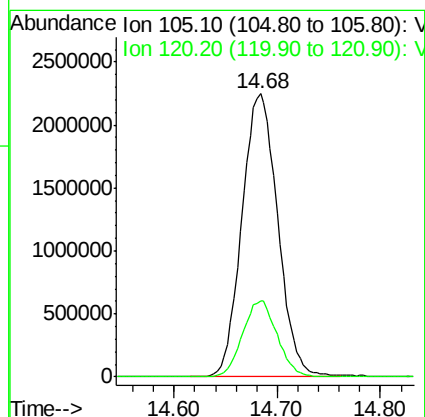
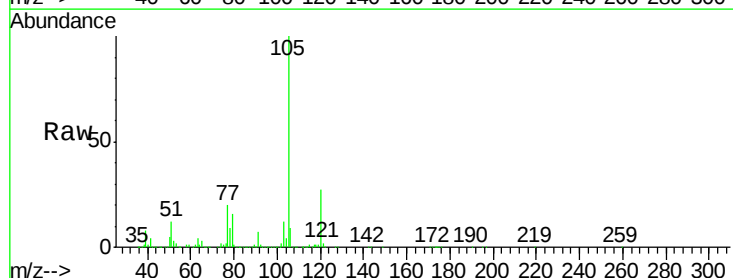
Manual Integrations
APPROVED

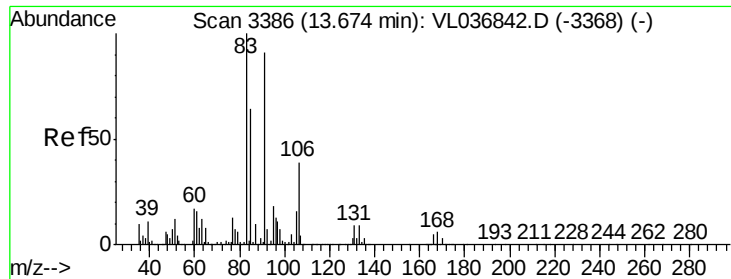
MMDadoda
4/29/2021 5:53:55 PM



#62
Isopropylbenzene
Concen: 10.205 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.1	31.7





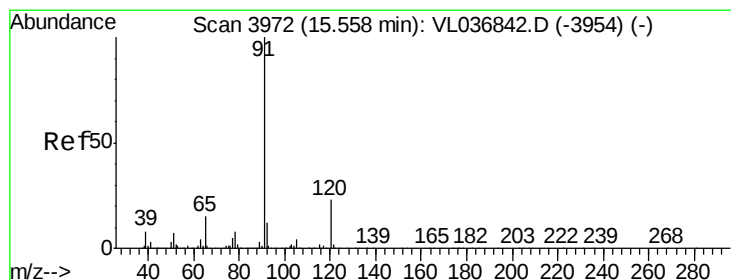
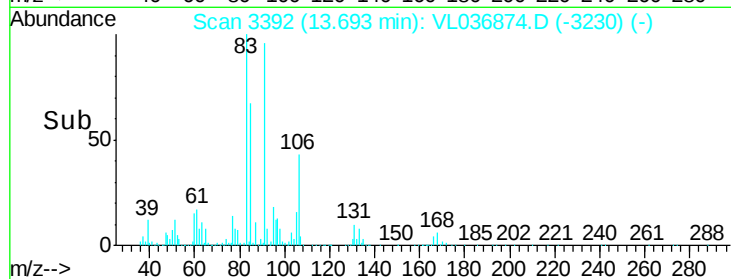
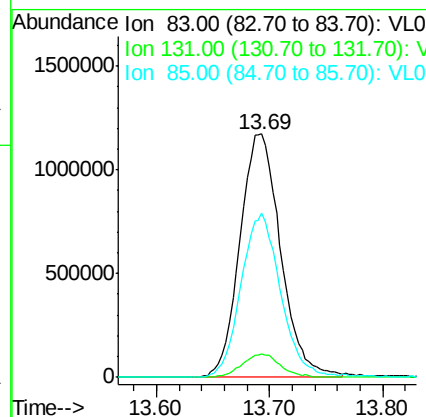
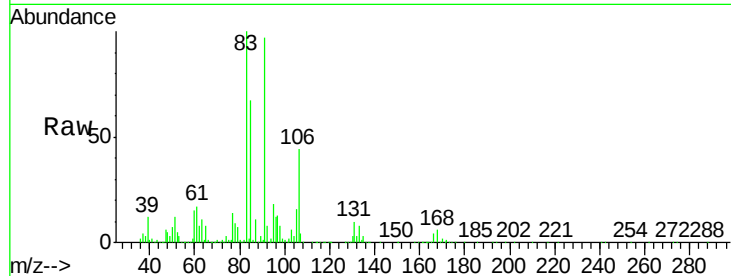
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.358 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	66.0	32.8	98.4

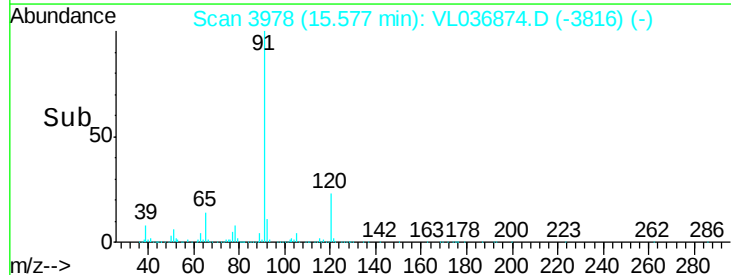
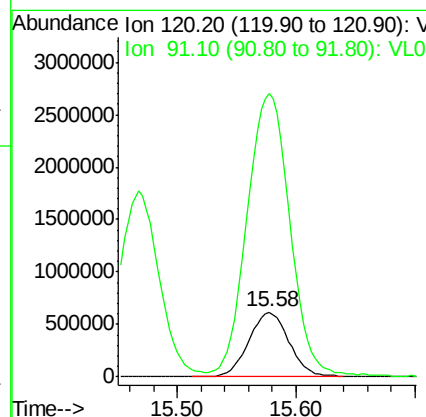
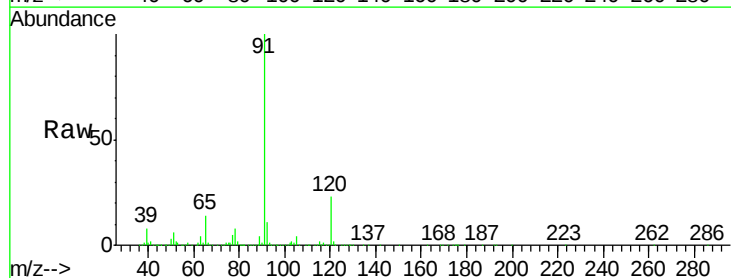
Manual Integrations
 APPROVED

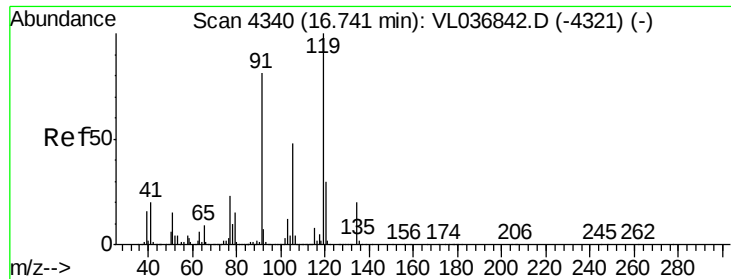
MMDadoda
 4/29/2021 5:53:55 PM



#64
 n-propylbenzene
 Concen: 10.856 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
120	100		
91	471.6	378.6	567.8





#65

tert-Butylbenzene

Concen: 10.236 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 4817404

Ion Ratio Lower Upper

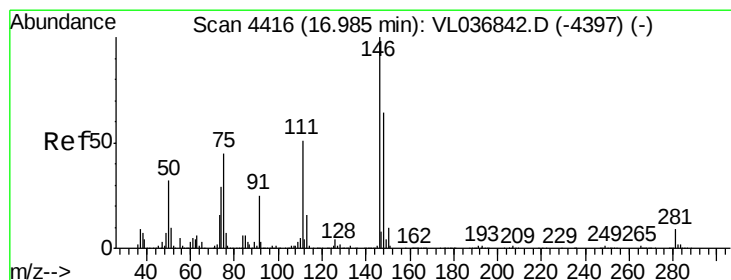
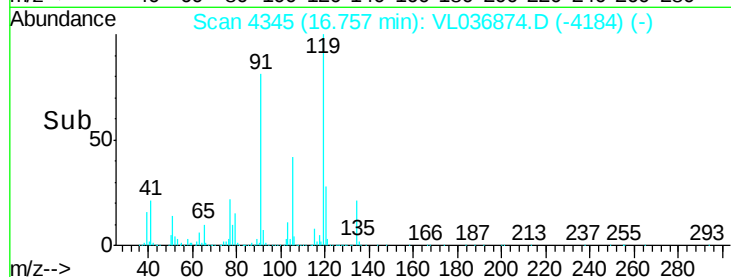
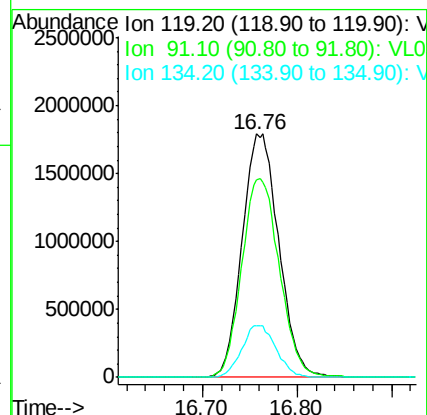
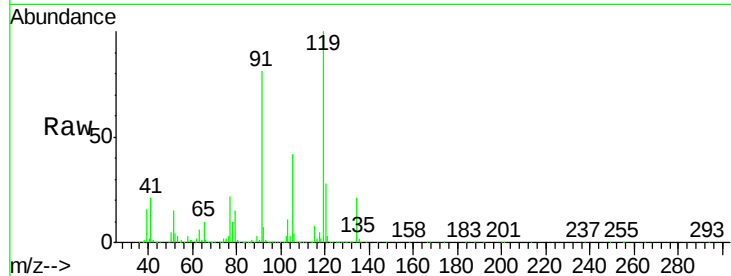
119 100

91 84.1 67.0 100.6

134 20.0 15.8 23.6

Manual Integrations
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4/29/2021 5:53:55 PM



#66

Benzyl Chloride

Concen: 10.302 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

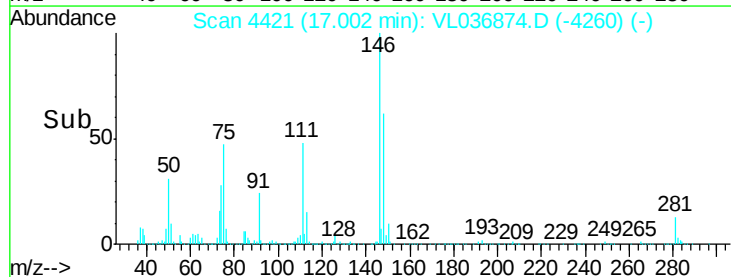
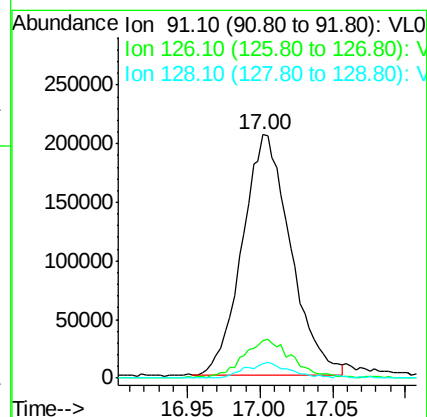
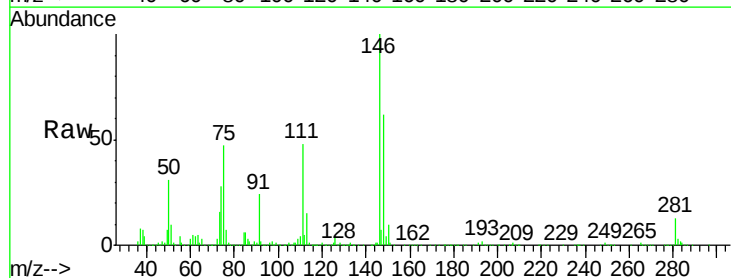
Tgt Ion: 91 Resp: 474073

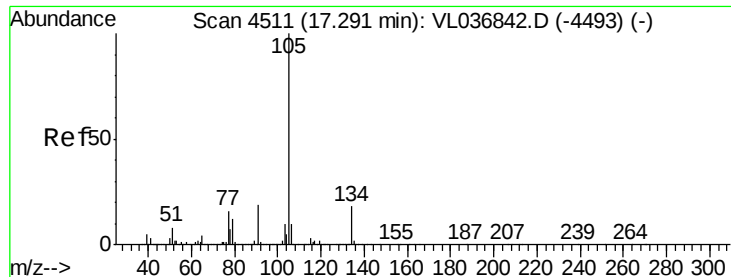
Ion Ratio Lower Upper

91 100

126 16.7 14.1 21.1

128 6.4 4.8 7.2





#67

sec-Butylbenzene

Concen: 10.284 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6720869

Ion Ratio Lower Upper

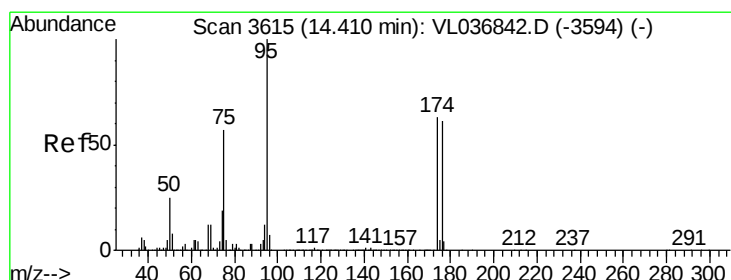
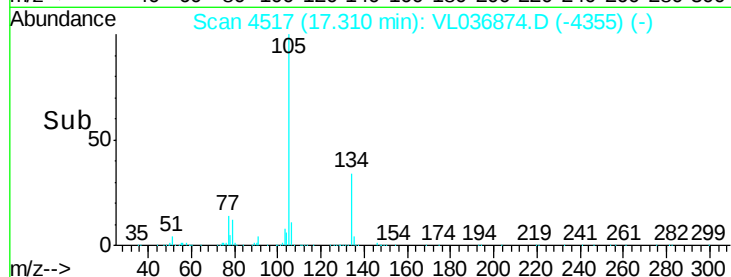
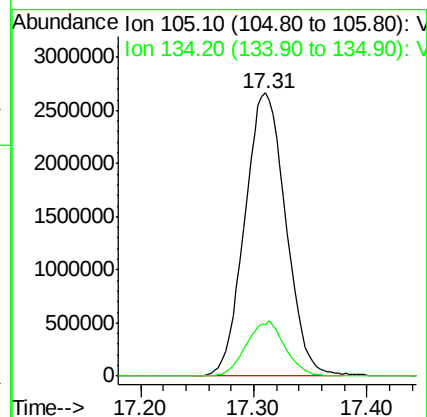
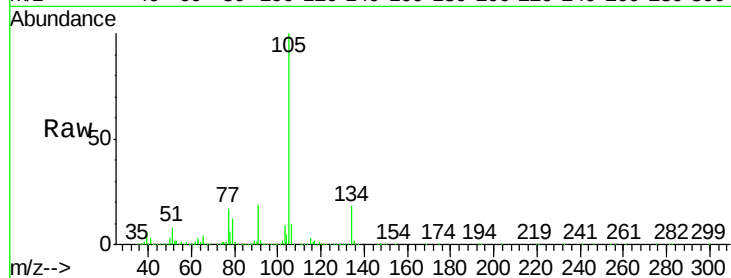
105 100

134 18.5 14.8 22.2

Manual Integrations
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4/29/2021 5:53:55 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.653 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

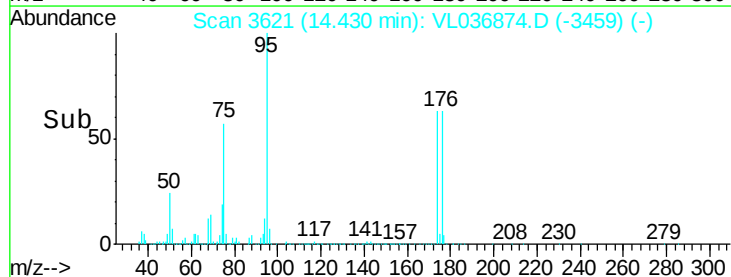
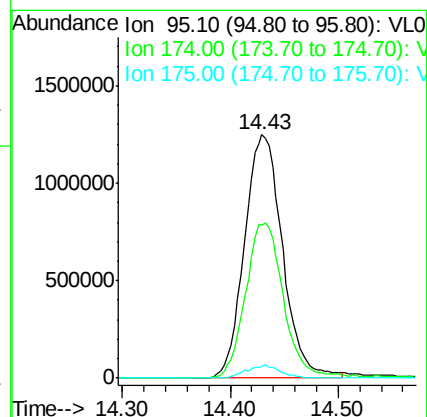
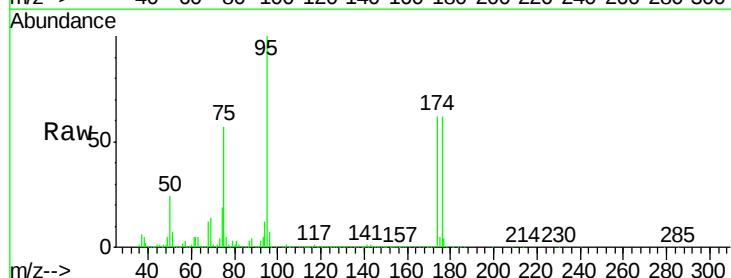
Tgt Ion: 95 Resp: 3052413

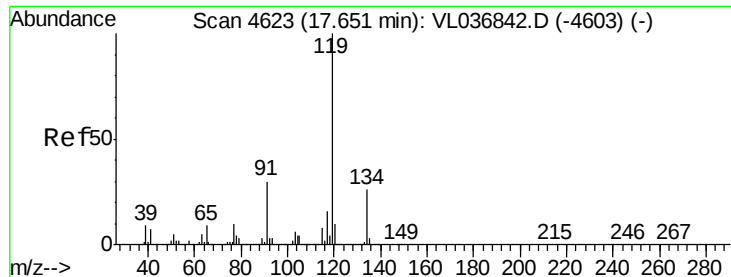
Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

175 5.0 4.0 6.0





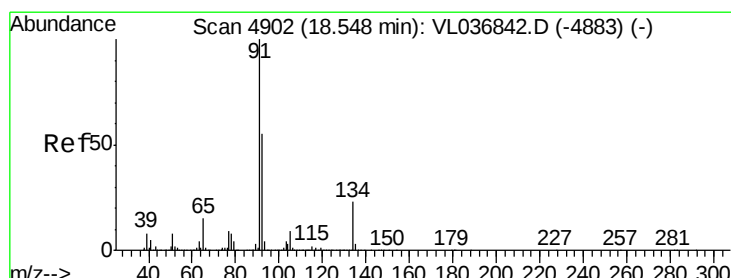
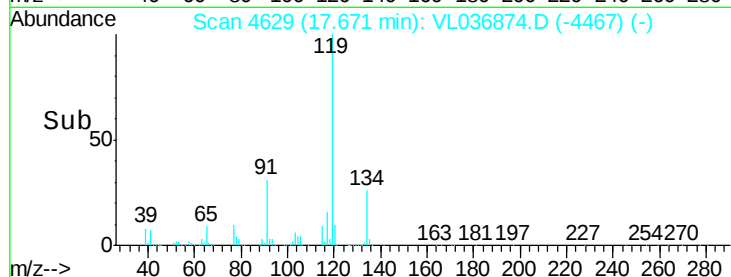
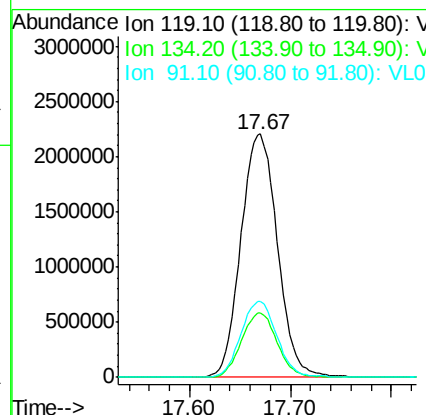
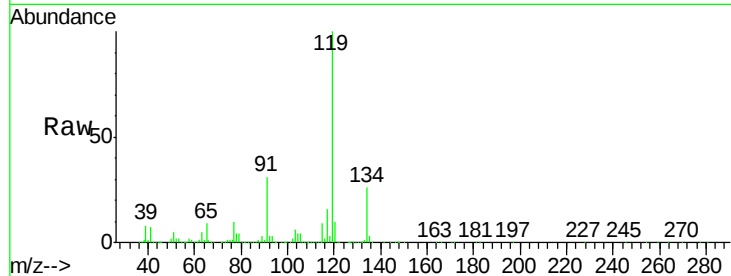
#69
 p-Isopropyltoluene
 Concen: 10.551 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	30.8	24.2	36.4

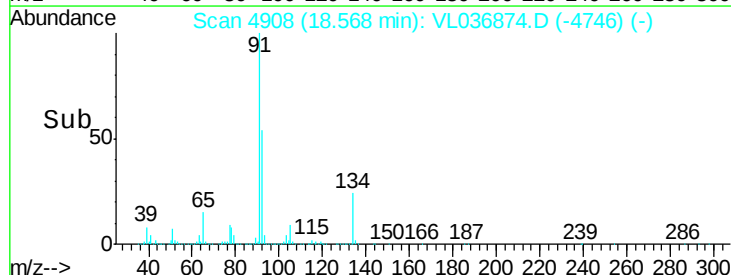
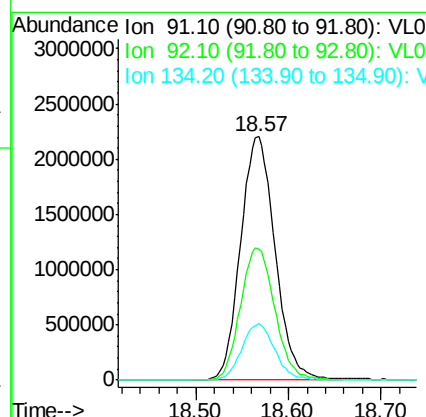
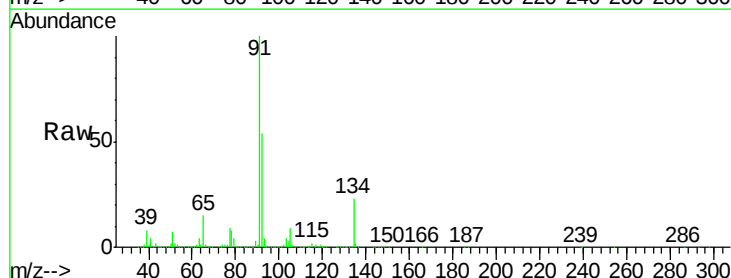
Manual Integrations
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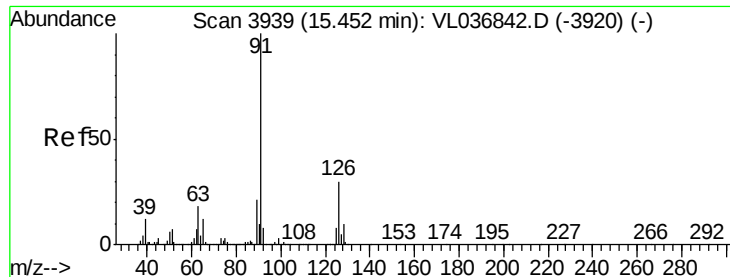
MMDadoda
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#70
 n-Butylbenzene
 Concen: 10.749 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.5	65.3
134	22.5	18.2	27.4





#71

2-Chlorotoluene

Concen: 10.560 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4163258

Ion Ratio Lower Upper

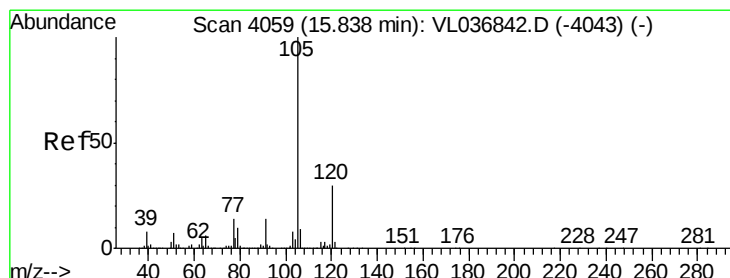
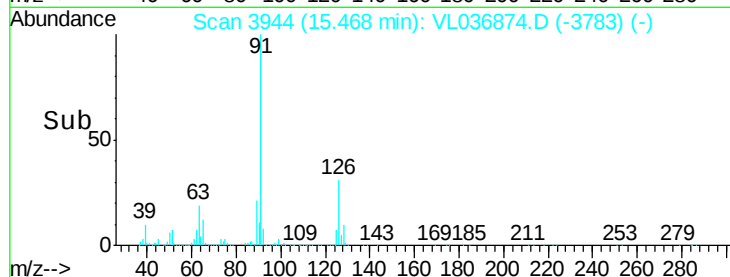
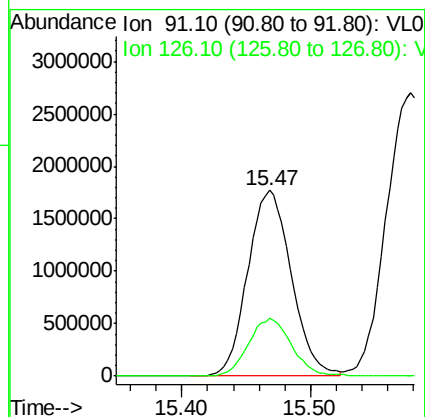
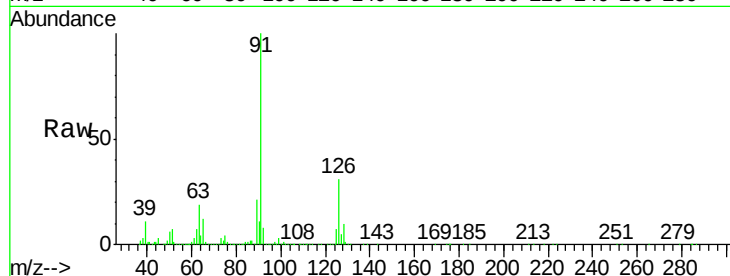
91 100

126 31.1 12.3 49.3

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4/29/2021 5:53:55 PM



#72

4-Ethyltoluene

Concen: 11.107 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion: 105 Resp: 4664117

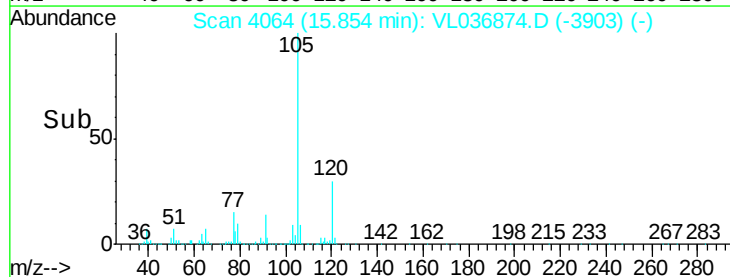
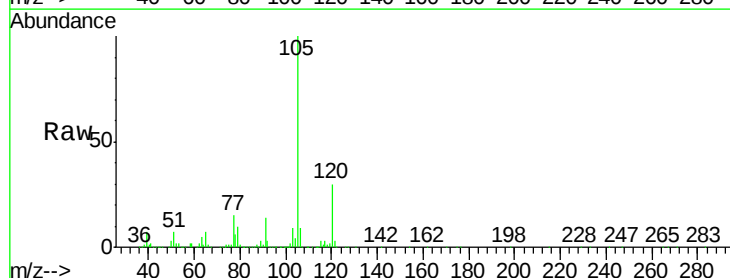
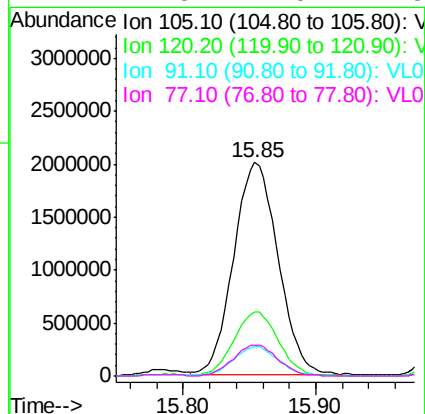
Ion Ratio Lower Upper

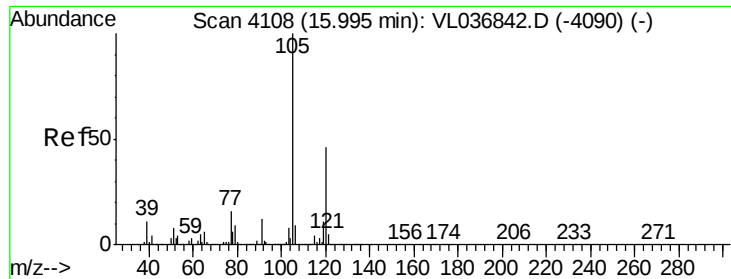
105 100

120 31.2 23.8 35.6

91 15.1 10.7 16.1

77 14.8 11.5 17.3





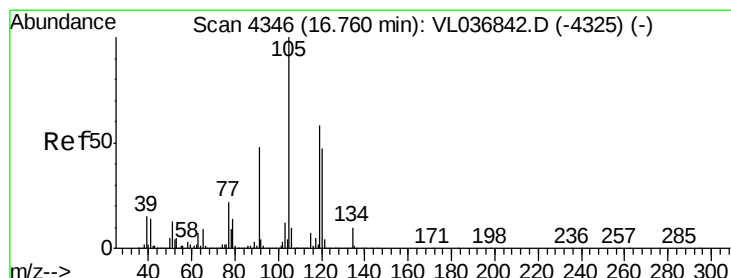
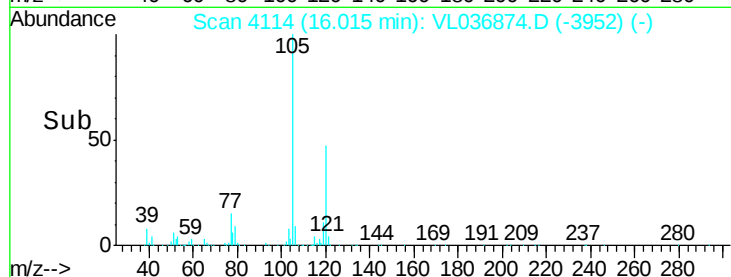
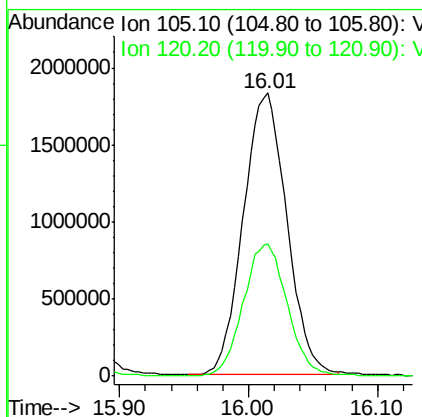
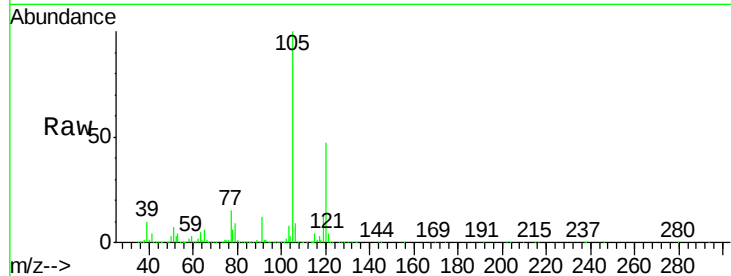
#73
 1,3,5-Trimethylbenzene
 Concen: 10.540 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4292479
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.8 55.2

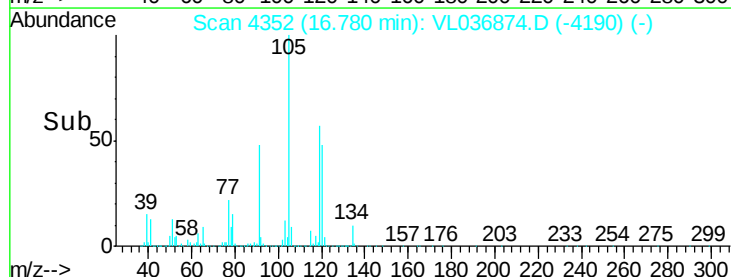
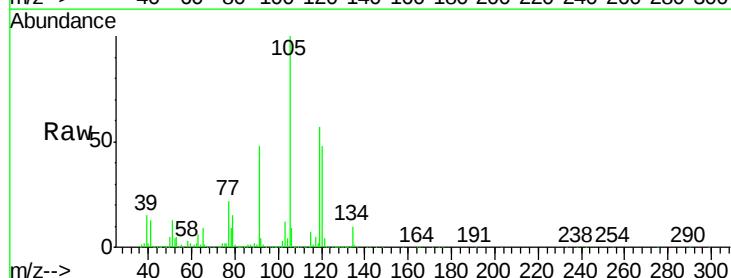
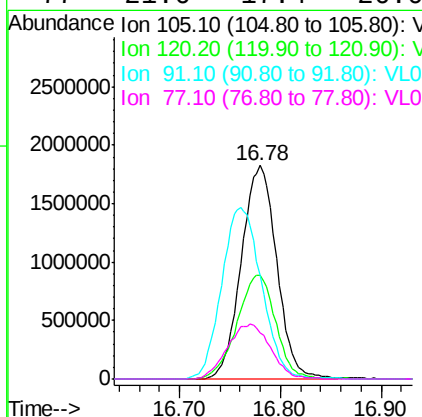
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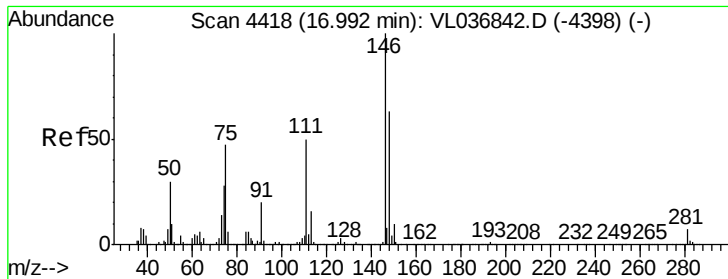
MMDadoda
 4/29/2021 5:53:55 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.283 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion:105 Resp: 4448290
 Ion Ratio Lower Upper
 105 100
 120 48.4 37.6 56.4
 91 48.0 39.0 58.4
 77 21.6 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 10.092 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2580655

Ion Ratio Lower Upper

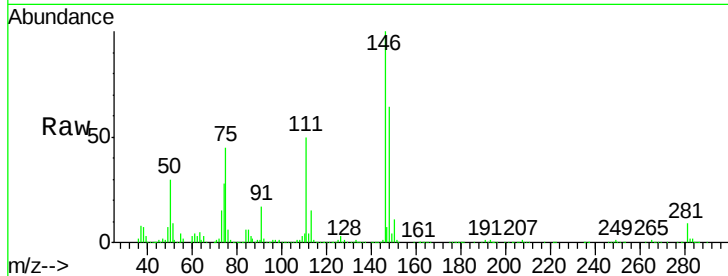
146 100

111 48.2 24.2 72.6

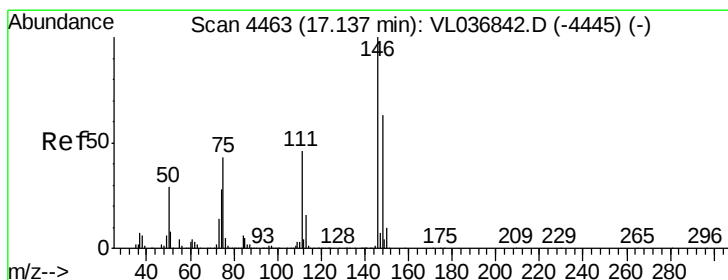
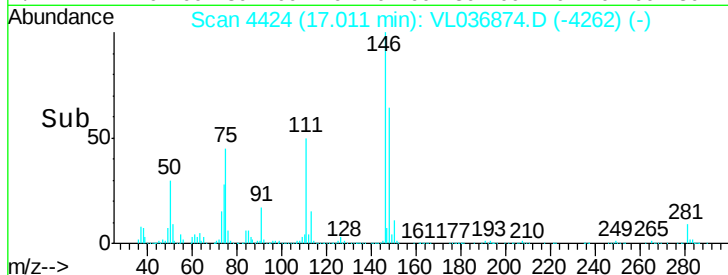
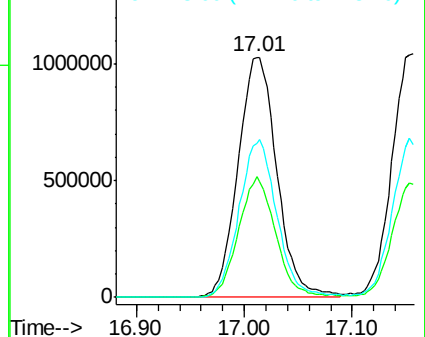
148 63.9 32.1 96.3

Manual Integrations
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4/29/2021 5:53:55 PM



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: 9.849 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

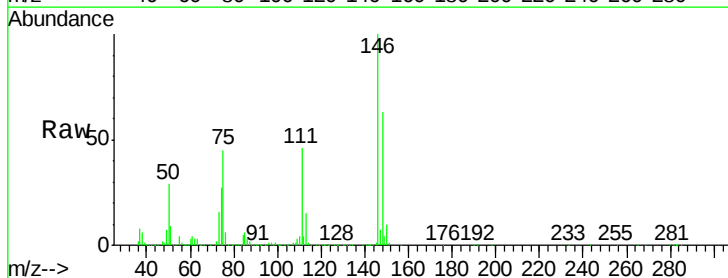
Tgt Ion:146 Resp: 2464777

Ion Ratio Lower Upper

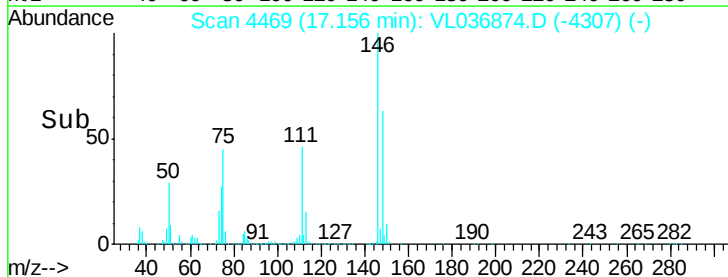
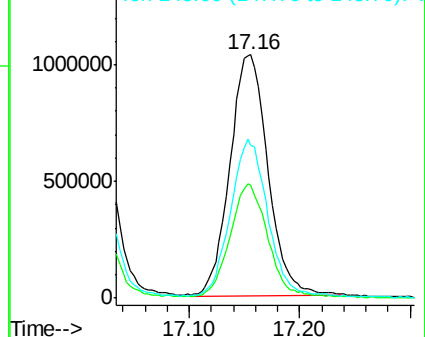
146 100

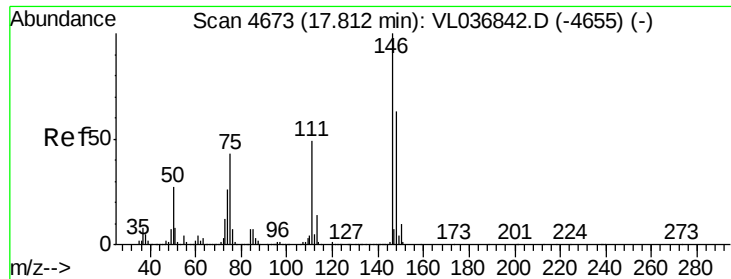
111 47.8 24.3 72.8

148 66.3 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





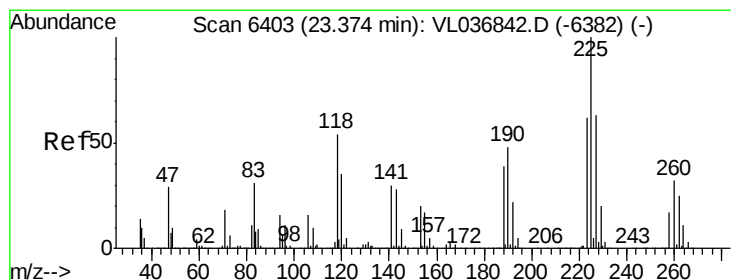
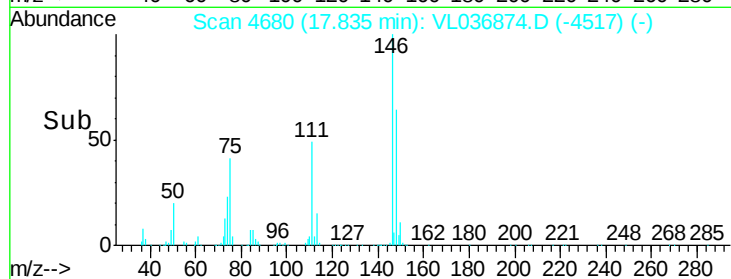
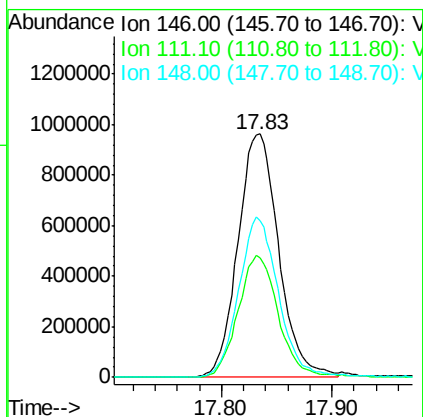
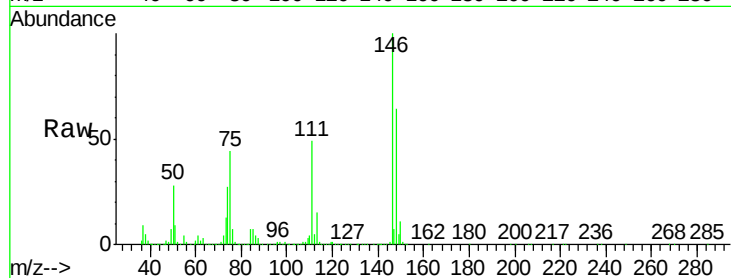
#77
 1,2-Dichlorobenzene
 Concen: 9.841 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.5	25.0	75.0
148	64.5	32.4	97.0

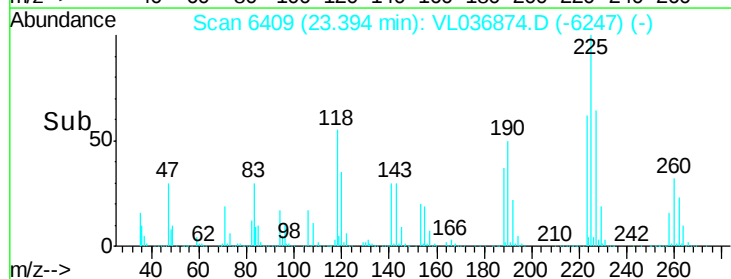
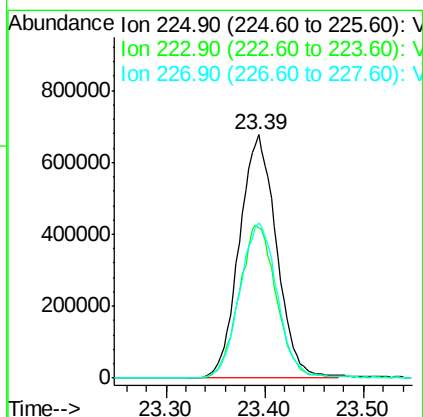
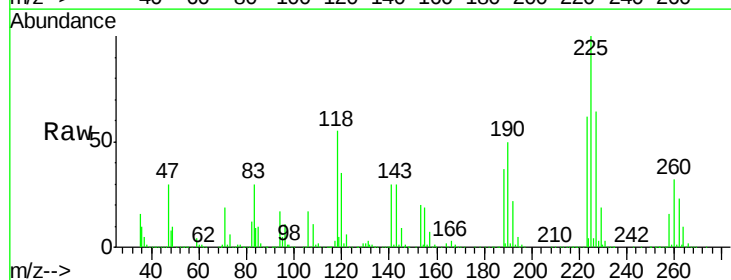
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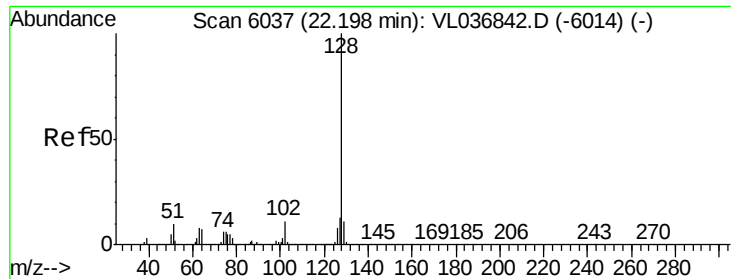
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.326 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.2	76.8
227	65.0	51.8	77.6





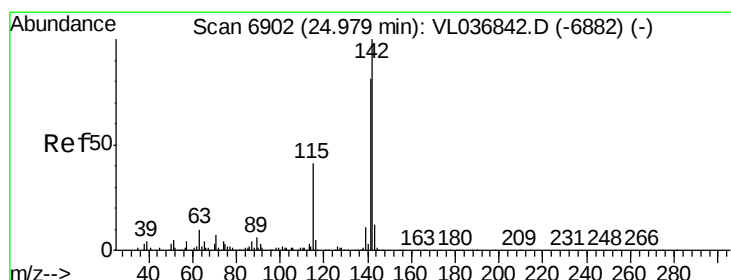
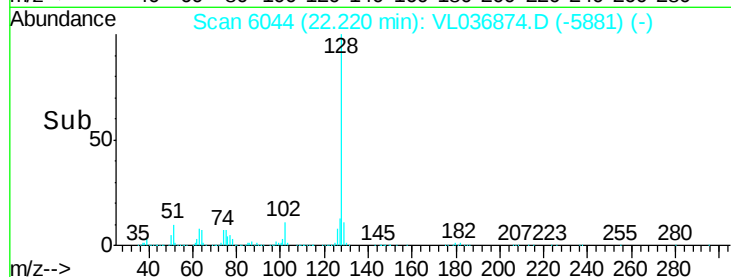
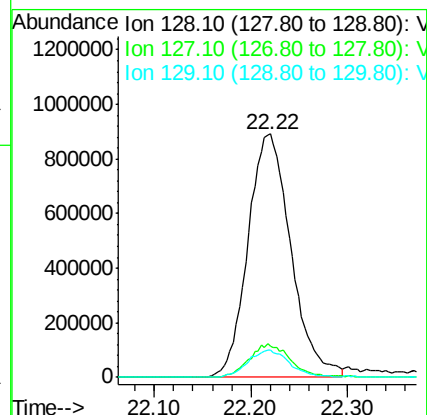
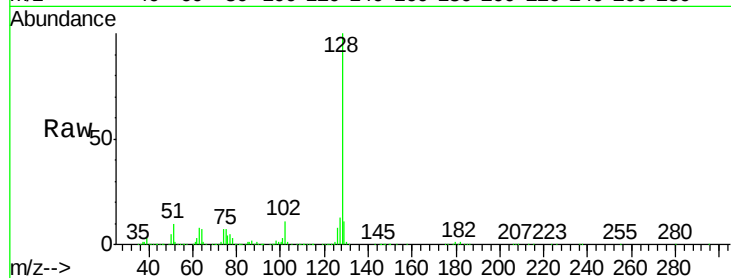
#79
Naphthalene
Concen: 11.360 ppbv
RT: 22.22 min Scan# 6044
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	11.0	9.0	13.4

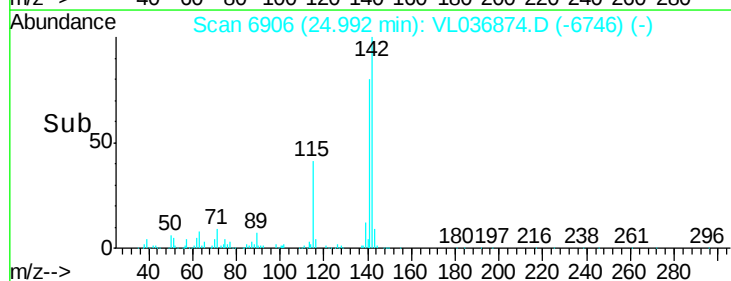
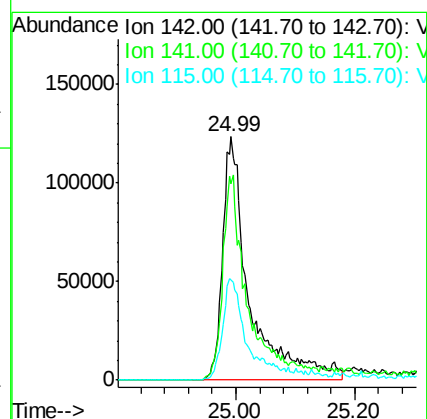
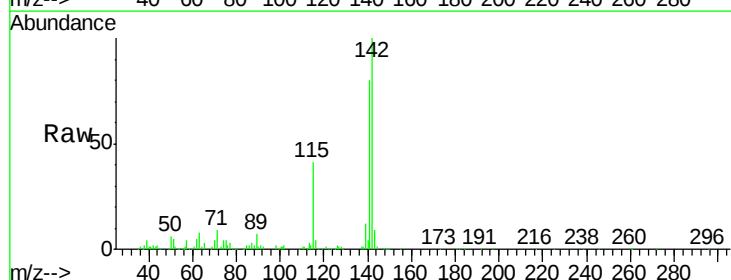
Manual Integrations
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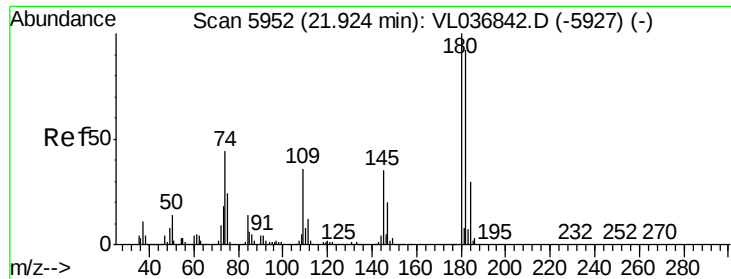
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#80
Naphthalene, 2-methyl-
Concen: 14.554 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.3	62.6	93.8
115	37.7	32.0	48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.285 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	80.9	121.3
184	31.4	25.3	37.9

Manual Integrations
 APPROVED

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