

Data File : VL037053.D
Acq On : 24 May 2021 18:03
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:39 PM

Quant Time: May 25 03:23:55 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1205204	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3662650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3441027m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2597132	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	2116484	10.352	ppbv	99
3) Chlorodifluoromethane	2.97	51	2472232	11.197	ppbv	97
4) Chloromethane	3.12	50	821690	10.936	ppbv	98
5) Vinyl Chloride	3.24	62	892546	10.868	ppbv	100
6) Bromomethane	3.46	94	545307	12.601	ppbv	98
7) Chloroethane	3.54	64	319719	11.990	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2295907	11.960	ppbv	98
9) Propene	2.99	41	779771	9.863	ppbv	97
10) Heptane	8.10	43	2029465	10.300	ppbv	100
11) Trichlorofluoromethane	3.93	101	2317968	12.249	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1595320	11.835	ppbv	96
13) Ethanol	3.59	45	81576	7.733	ppbv	85
14) Bromoethene	3.72	108	693060	11.673	ppbv	98
15) Acetone	3.83	43	1204644	9.759	ppbv	95
16) 1,3-Butadiene	3.31	39	877514	11.442	ppbv	97
17) tert-Butyl alcohol	4.27	59	1251072	11.064	ppbv	99
18) 1,1-Dichloroethene	4.27	96	721269	11.571	ppbv	95
19) Isopropyl Alcohol	3.95	45	698318	10.524	ppbv #	36
20) Methylene Chloride	4.32	84	638275	9.646	ppbv	98
21) Allyl Chloride	4.39	41	1037731	11.143	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	719186	12.039	ppbv	97
23) Vinyl Acetate	5.05	43	2092047	10.677	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1591100	11.282	ppbv	99
25) Ethyl Acetate	5.65	43	3193481	10.766	ppbv	100
26) Hexane	5.67	57	1546446	10.205	ppbv	98
27) Carbon Disulfide	4.53	76	1674107	10.961	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1854669	10.210	ppbv	100
29) Chloroform	5.73	83	2486002	11.612	ppbv	98
30) Cyclohexane	7.11	84	1395017	10.833	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1554573	11.442	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2548159	11.084	ppbv	98
34) 2-Butanone	5.22	43	1498472	11.236	ppbv	100
35) Carbon Tetrachloride	7.00	117	2758112	11.334	ppbv	98
36) Benzene	6.87	78	3238691	10.266	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1879311	12.015	ppbv	100
38) Trichloroethene	7.81	130	1397071	10.352	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1241790	10.218	ppbv	95
40) 1,4-Dioxane	7.82	88	332075m	11.572	ppbv	
41) Tetrahydrofuran	6.03	42	735112	9.678	ppbv	97
42) Bromodichloromethane	7.77	83	2683551	11.341	ppbv	100
43) Methyl Methacrylate	7.99	69	1192462	10.967	ppbv	98

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5/25/2021 6:00:39 PM

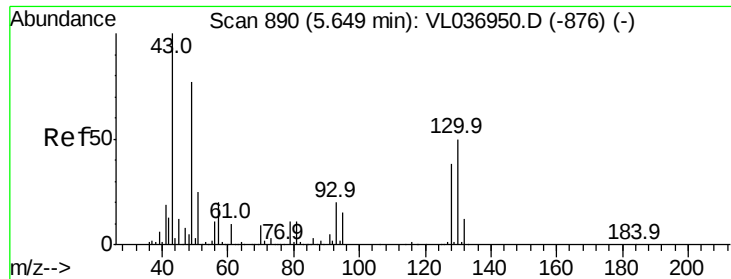
Quant Time: May 25 03:23:55 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5319581	9.828	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1193862	14.371	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1520659	13.609	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1375379	10.813	ppbv	99
48) Dibromochloromethane	10.28	129	2482449	12.053	ppbv	100
49) Bromoform	13.01	173	2056881	12.093	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2301905	10.460	ppbv	99
51) 2-Hexanone	10.11	43	1255192	10.789	ppbv #	95
52) Tetrachloroethene	11.20	164	1367583	10.901	ppbv	98
53) Toluene	9.78	91	3929420	10.468	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2116977	11.706	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1697389	11.723	ppbv #	59
57) Chlorobenzene	12.12	112	3029816	11.356	ppbv	99
58) Ethyl Benzene	12.69	91	5240535	10.790	ppbv	99
59) m/p-Xylene	12.98	91	8884413m	22.131	ppbv	
60) o-Xylene	13.67	91	4222082	11.027	ppbv	99
61) Styrene	13.50	104	2493548	11.560	ppbv	98
62) Isopropylbenzene	14.64	105	5927252	10.772	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2888054	10.100	ppbv	99
64) n-propylbenzene	15.54	120	1611353	11.350	ppbv	99
65) tert-Butylbenzene	16.72	119	5392922	10.861	ppbv	99
66) Benzyl Chloride	16.97	91	257958	9.363	ppbv	99
67) sec-Butylbenzene	17.27	105	7225043	10.667	ppbv	99
69) p-Isopropyltoluene	17.63	119	6333771	10.876	ppbv	99
70) n-Butylbenzene	18.53	91	6023499	10.888	ppbv	99
71) 2-Chlorotoluene	15.43	91	4385340	11.034	ppbv	98
72) 4-Ethyltoluene	15.82	105	5221726	11.491	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4717950	11.056	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4927497	11.168	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3057513	11.348	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2958502	10.860	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2973748	11.015	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2100512	9.676	ppbv	99
79) Naphthalene	22.17	128	4281519	12.367	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1283427	17.048	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2434770	11.537	ppbv	98

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

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[illegible]



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

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Tgt Ion: 49 Resp: 1205204

Ion Ratio Lower Upper

49 100

128 58.6 26.9 80.7

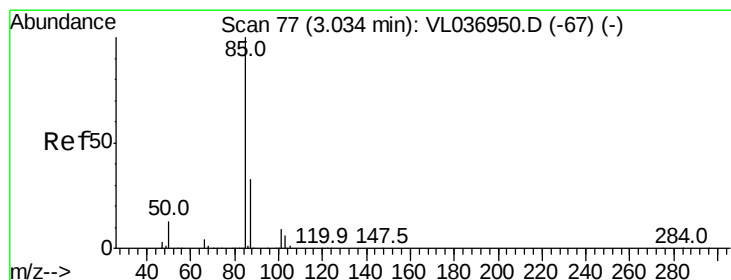
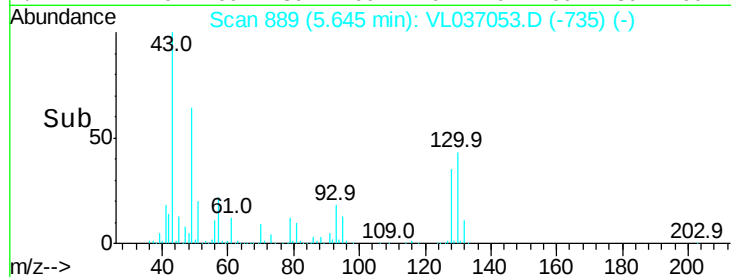
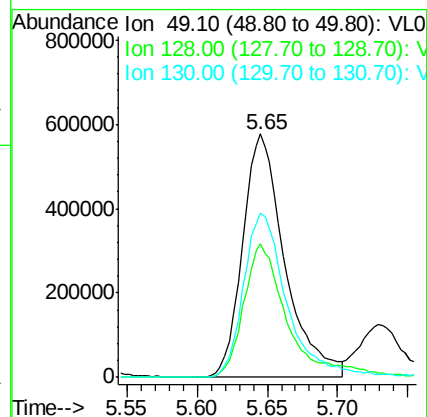
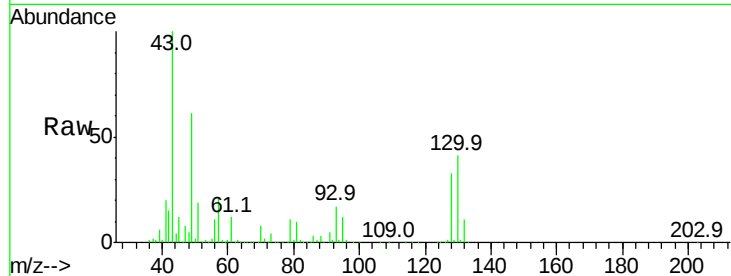
130 71.5 33.8 101.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 10.352 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037053.D

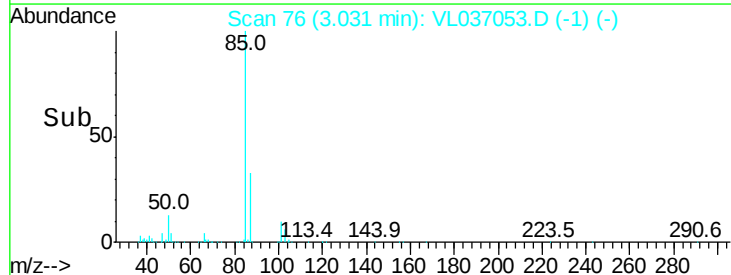
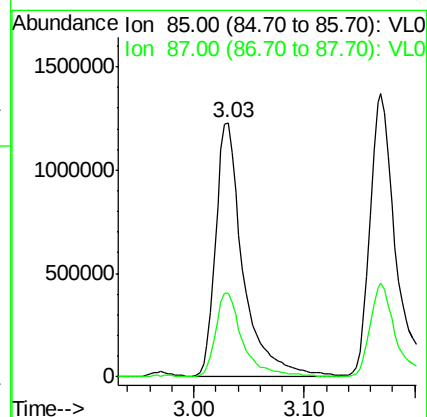
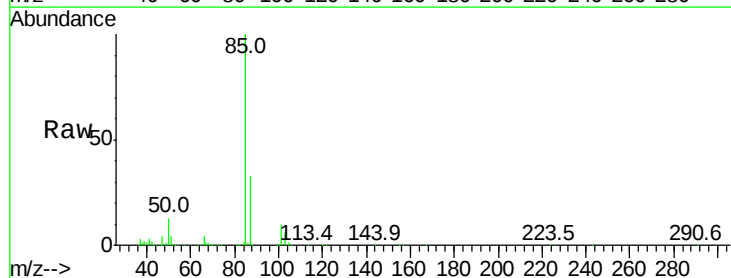
Acq: 24 May 2021 18:03

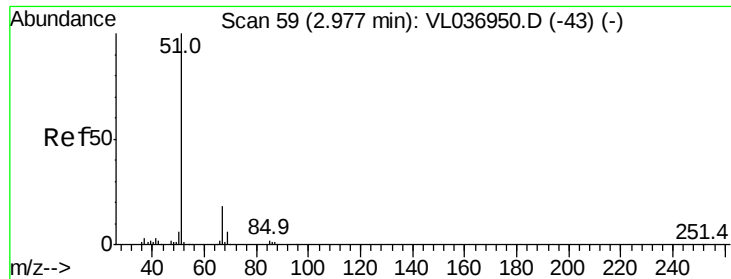
Tgt Ion: 85 Resp: 2116484

Ion Ratio Lower Upper

85 100

87 32.8 26.6 39.8





#3

Chlorodifluoromethane

Concen: 11.197 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 2472232

Ion Ratio Lower Upper

51 100

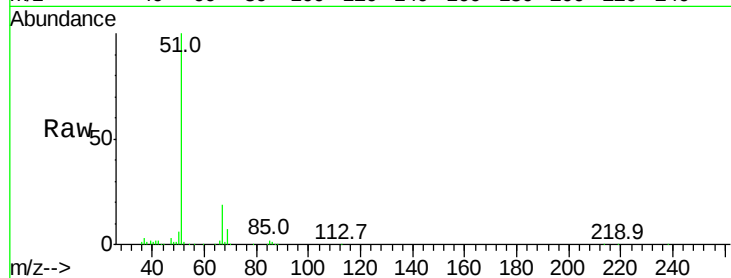
67 19.5 14.6 21.8

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

1500000

1000000

500000

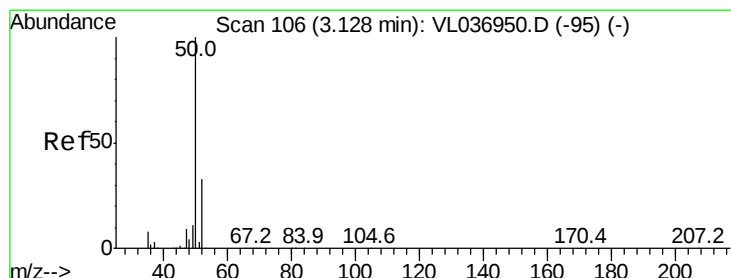
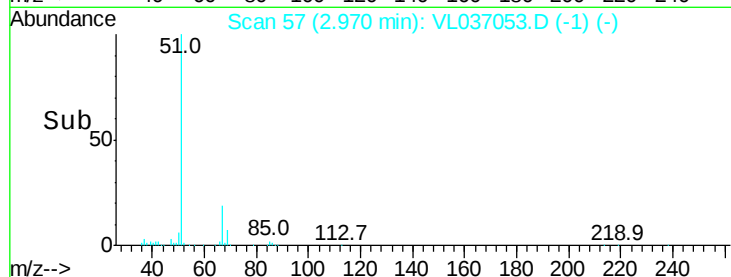
0

Time-->

2.90

3.00

3.10



#4

Chloromethane

Concen: 10.936 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037053.D

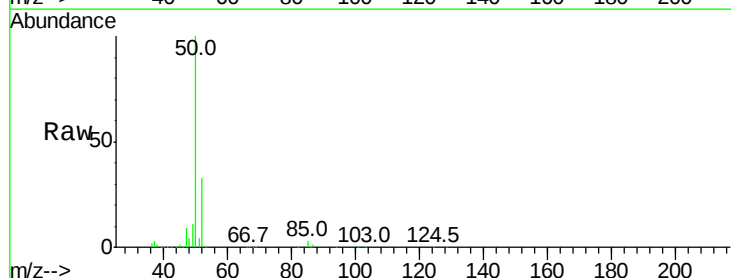
Acq: 24 May 2021 18:03

Tgt Ion: 50 Resp: 821690

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

500000

400000

300000

200000

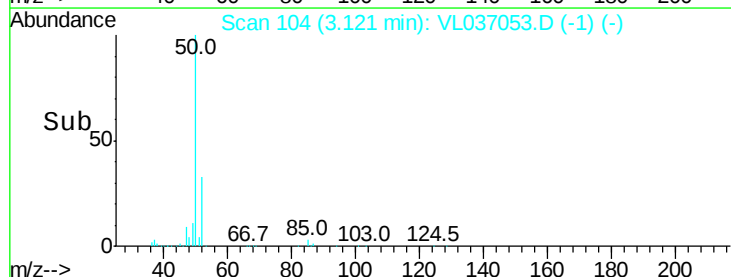
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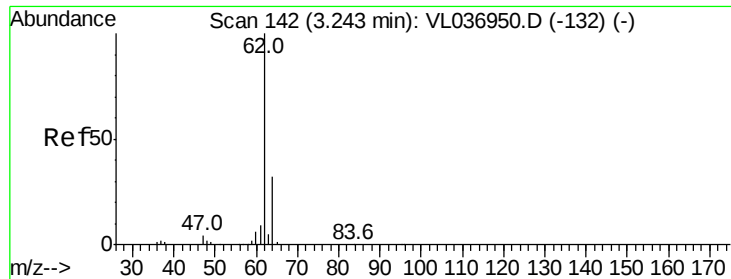
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Time-->

3.10

3.15





#5

Vinyl Chloride

Concen: 10.868 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 892546

Ion Ratio Lower Upper

62 100

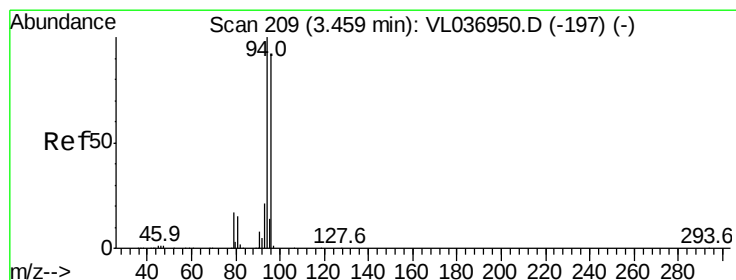
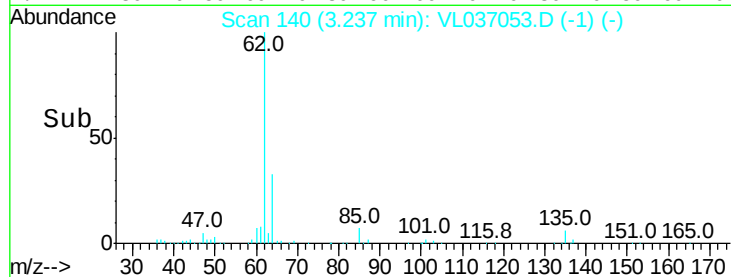
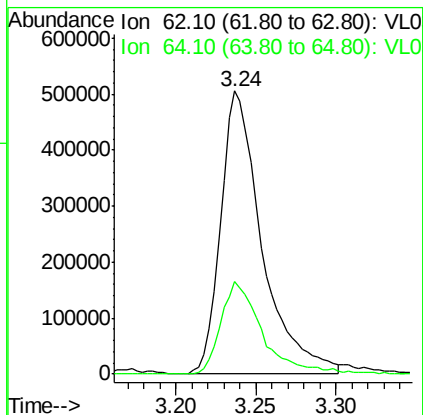
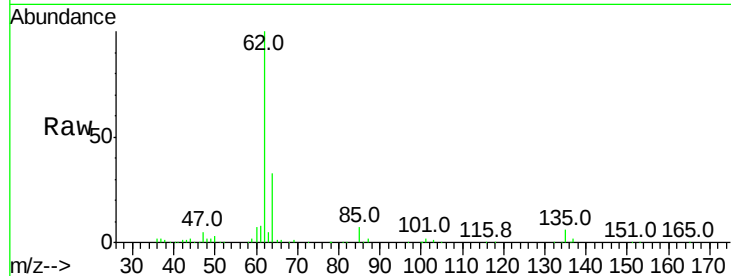
64 32.7 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 12.601 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037053.D

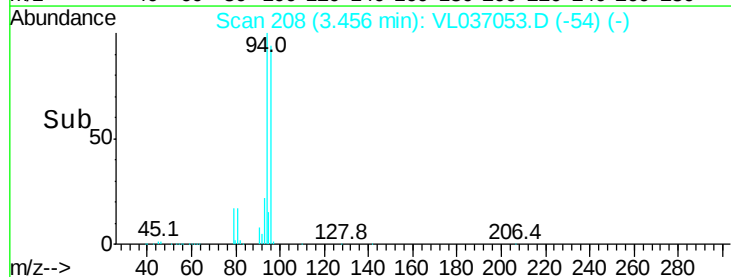
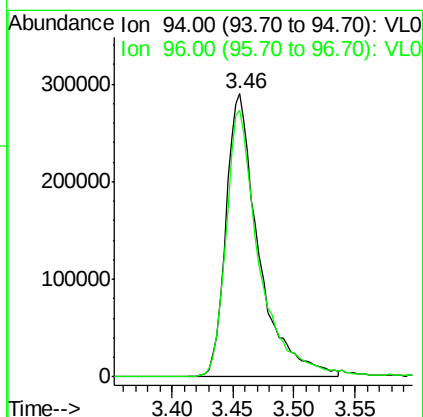
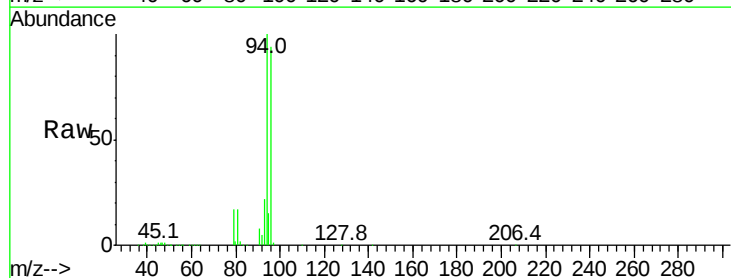
Acq: 24 May 2021 18:03

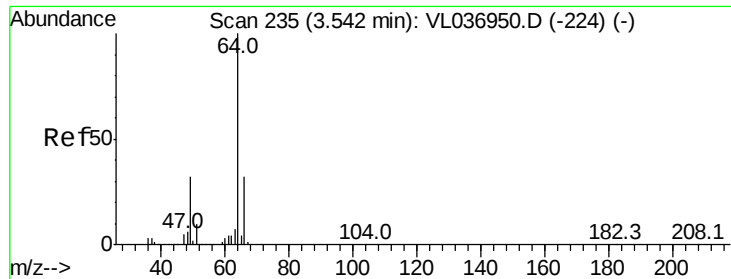
Tgt Ion: 94 Resp: 545307

Ion Ratio Lower Upper

94 100

96 94.1 74.0 111.0





#7

Chloroethane

Concen: 11.990 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 319719

Ion Ratio Lower Upper

64 100

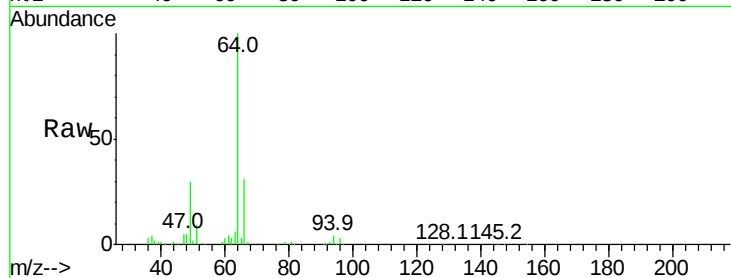
66 31.3 25.4 38.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

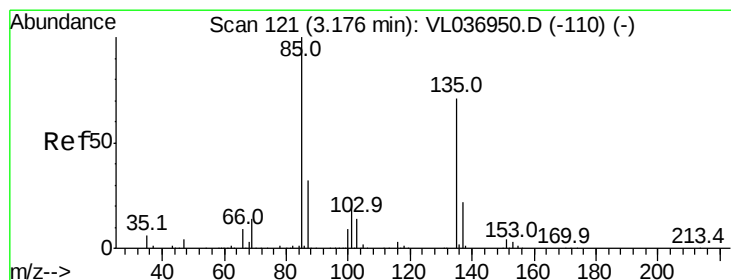
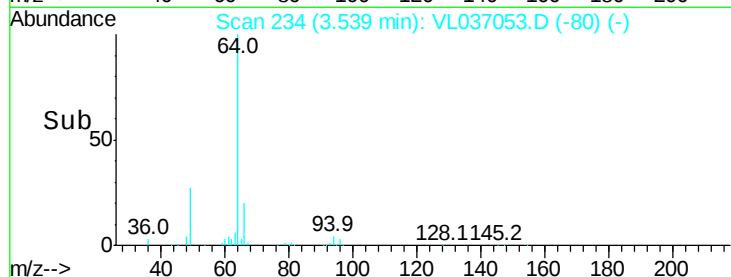
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.960 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037053.D

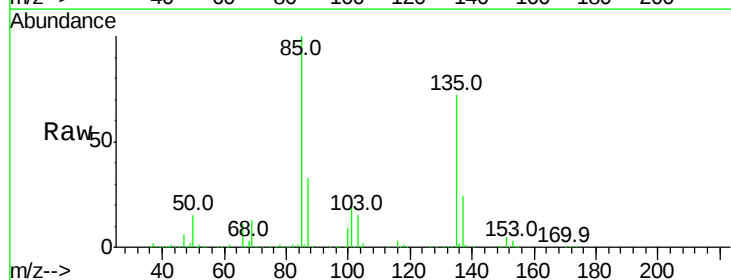
Acq: 24 May 2021 18:03

Tgt Ion: 85 Resp: 2295907

Ion Ratio Lower Upper

85 100

135 73.4 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

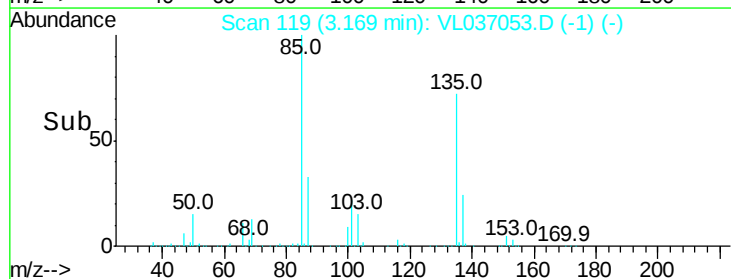
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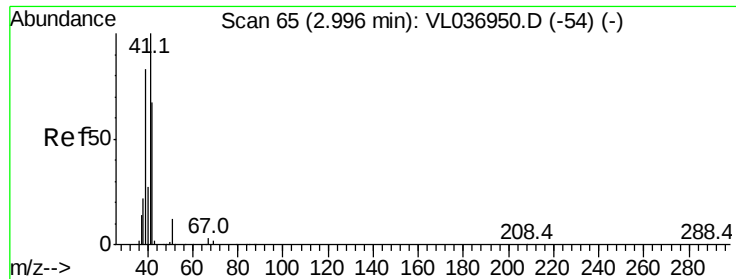
1000000

500000

0

Time-->





#9

Propene

Concen: 9.863 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 779771

Ion Ratio Lower Upper

41 100

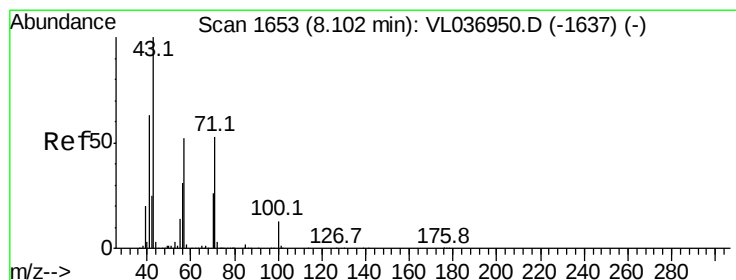
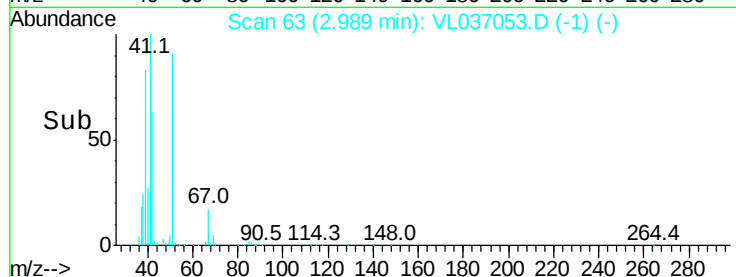
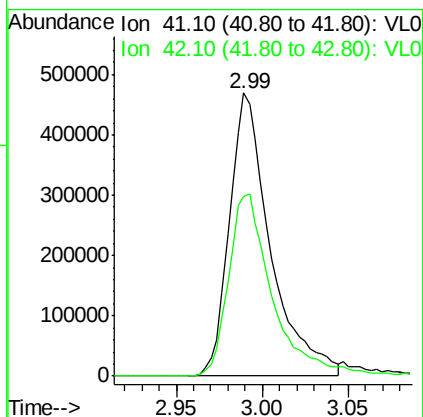
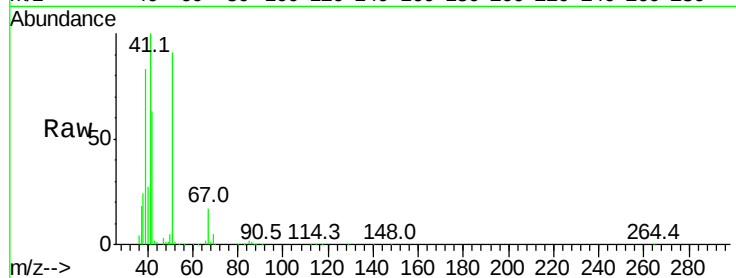
42 69.9 53.9 80.9

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#10

Heptane

Concen: 10.300 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL037053.D

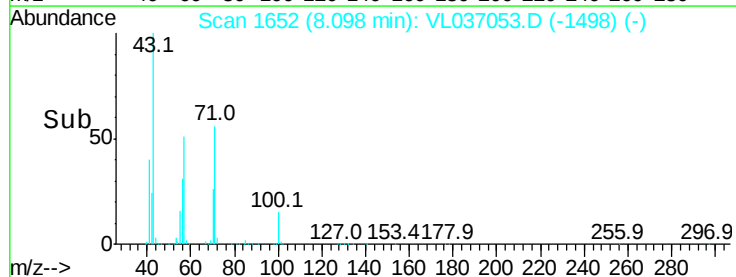
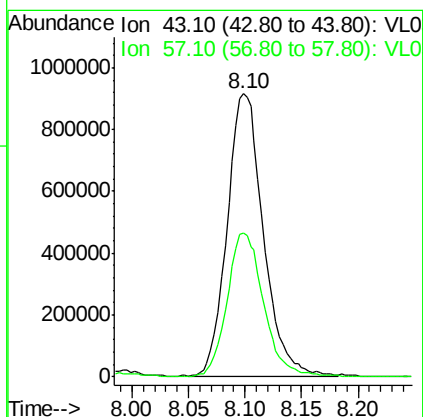
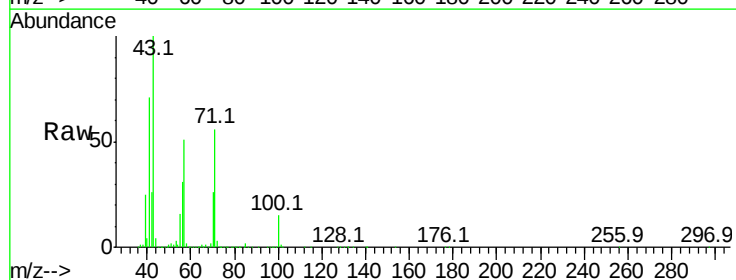
Acq: 24 May 2021 18:03

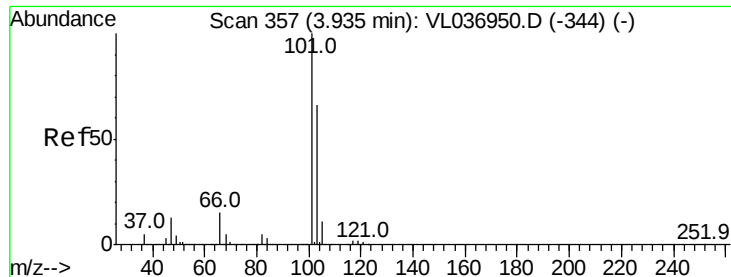
Tgt Ion: 43 Resp: 2029465

Ion Ratio Lower Upper

43 100

57 51.5 41.0 61.6





#11

Trichlorofluoromethane

Concen: 12.249 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

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Tgt Ion:101 Resp: 2317968

Ion Ratio Lower Upper

101 100

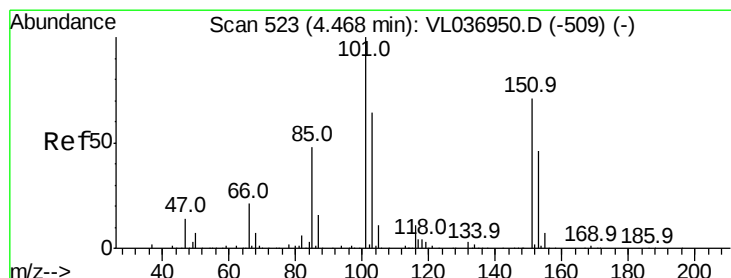
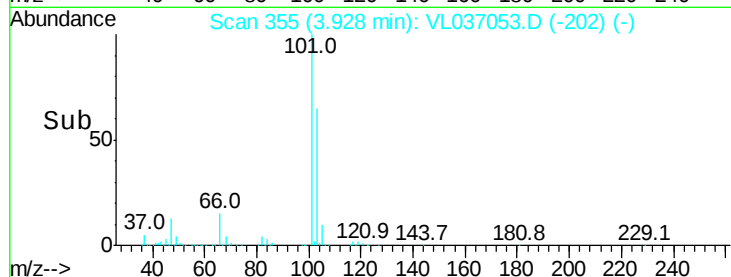
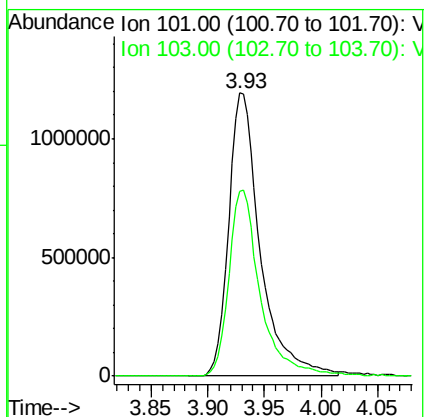
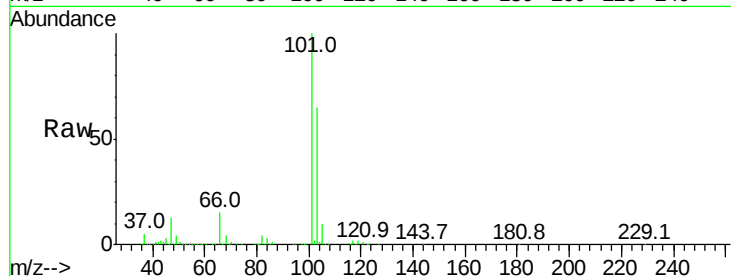
103 65.3 52.6 79.0

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.835 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL037053.D

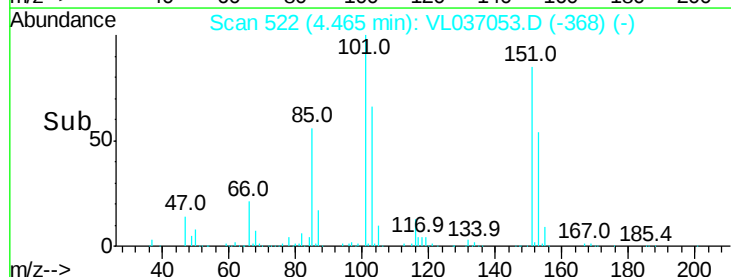
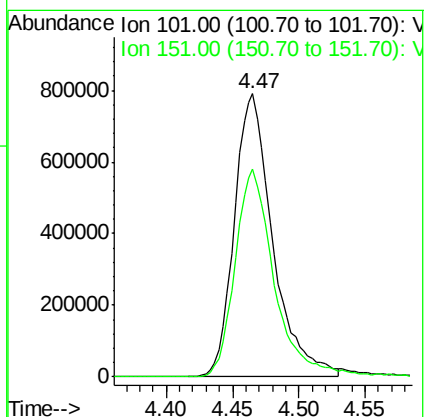
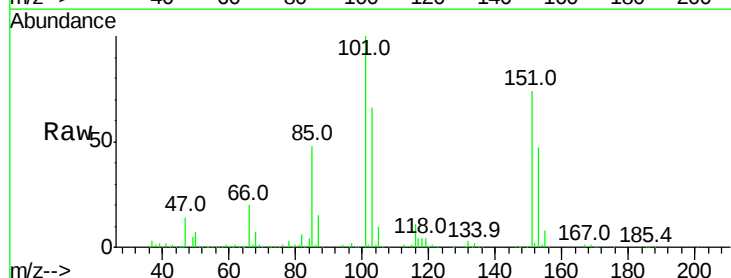
Acq: 24 May 2021 18:03

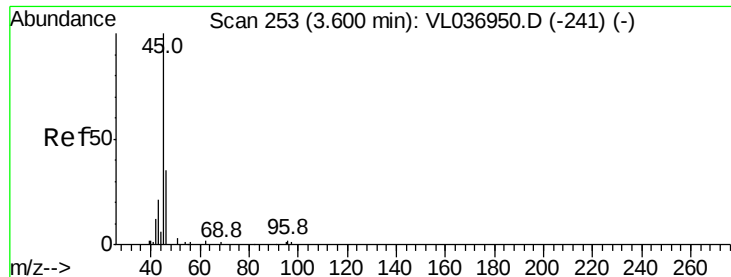
Tgt Ion:101 Resp: 1595320

Ion Ratio Lower Upper

101 100

151 75.4 57.7 86.5





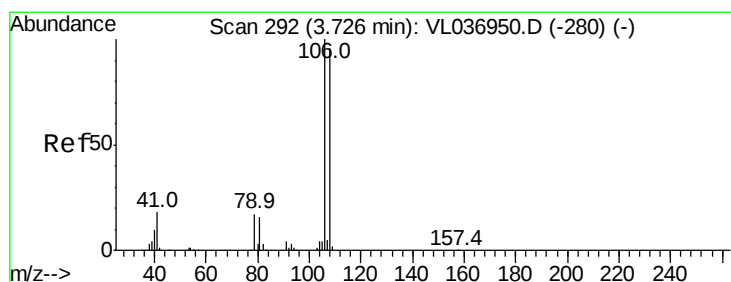
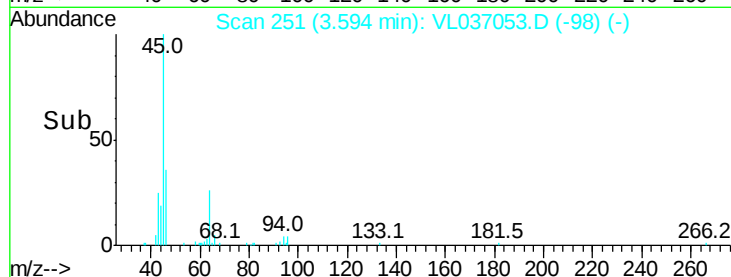
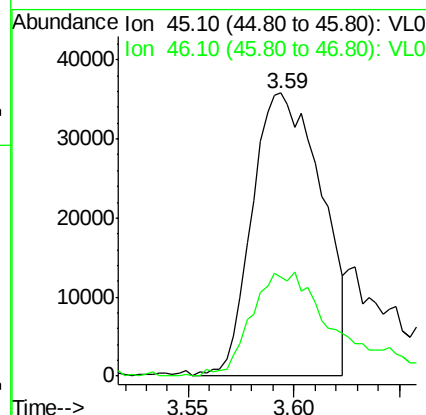
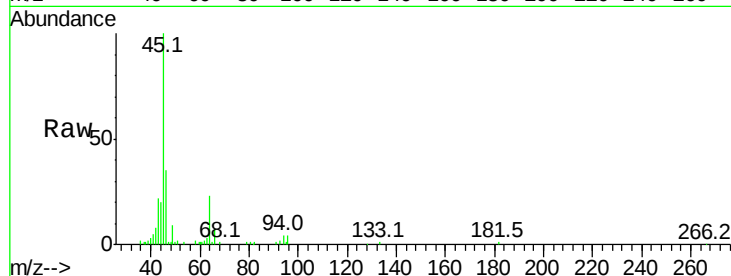
#13
Ethanol
Concen: 7.733 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 81576
Ion Ratio Lower Upper
45 100
46 50.2 16.3 65.3

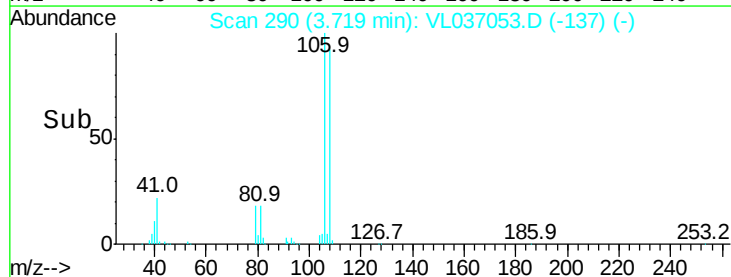
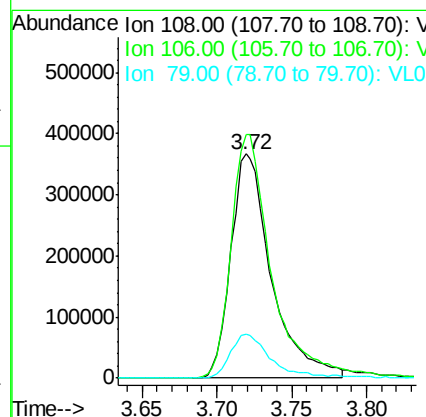
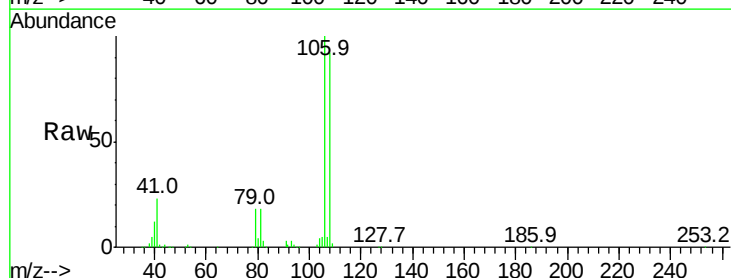
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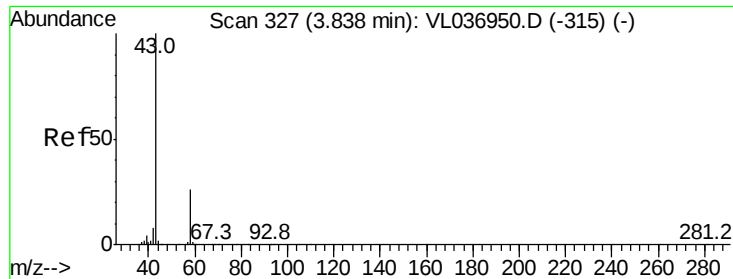
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#14
Bromoethene
Concen: 11.673 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.01 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 108 Resp: 693060
Ion Ratio Lower Upper
108 100
106 110.4 86.5 129.7
79 20.5 15.0 22.4





#15

Acetone

Concen: 9.759 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1204644

Ion Ratio Lower Upper

43 100

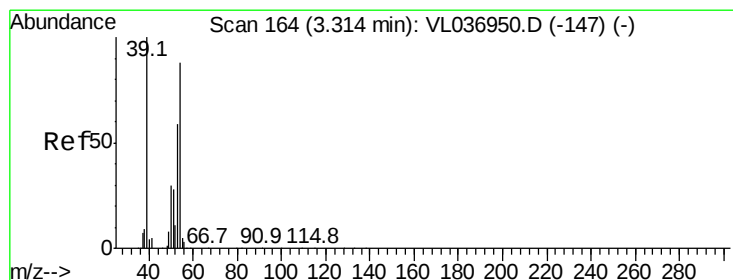
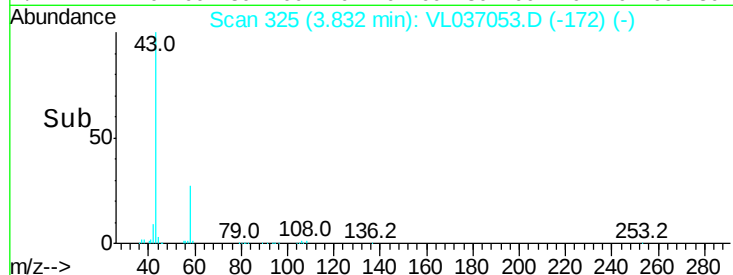
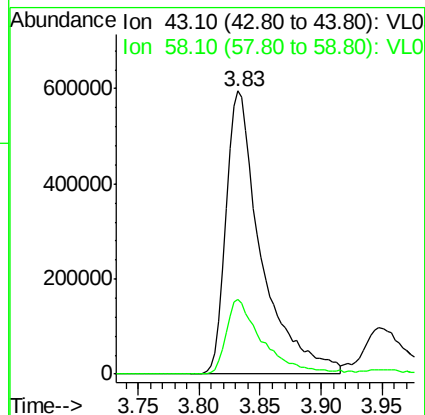
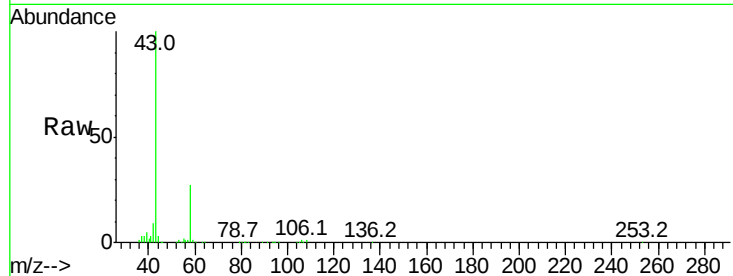
58 27.5 24.0 36.0

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#16

1,3-Butadiene

Concen: 11.442 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037053.D

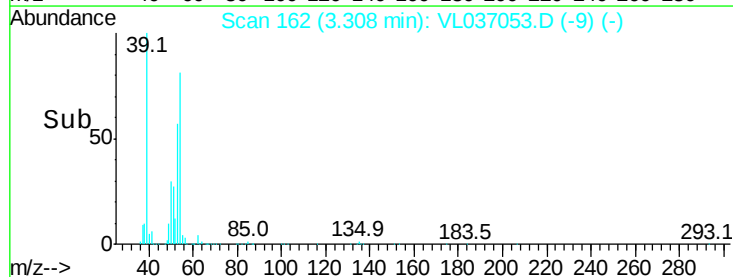
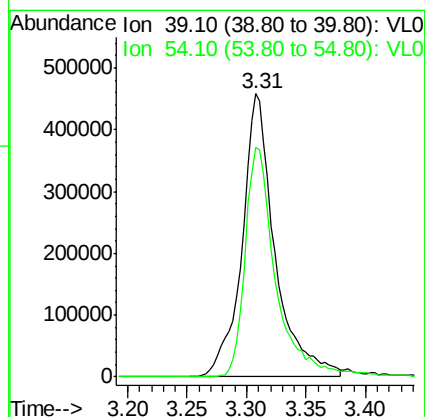
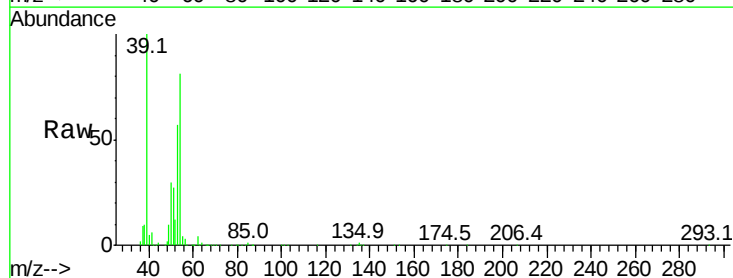
Acq: 24 May 2021 18:03

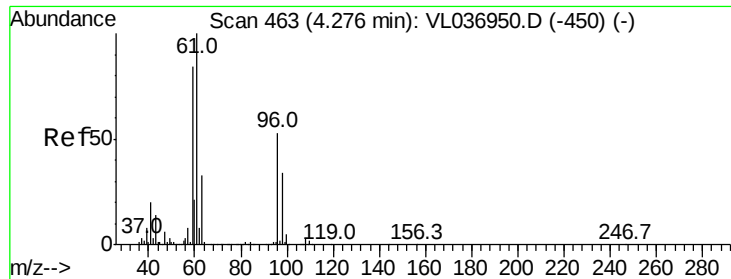
Tgt Ion: 39 Resp: 877514

Ion Ratio Lower Upper

39 100

54 76.7 63.2 94.8





#17

tert-Butyl alcohol

Concen: 11.064 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :
MSVOA_L

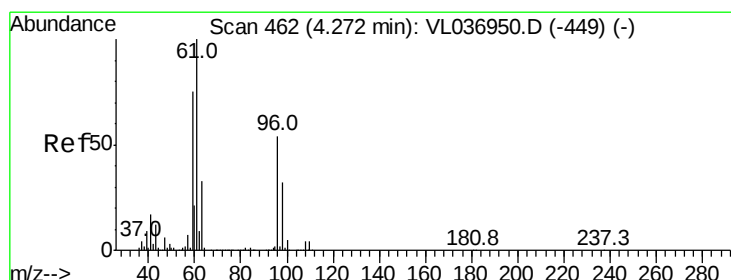
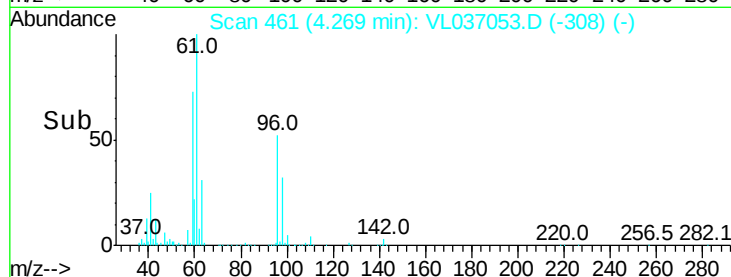
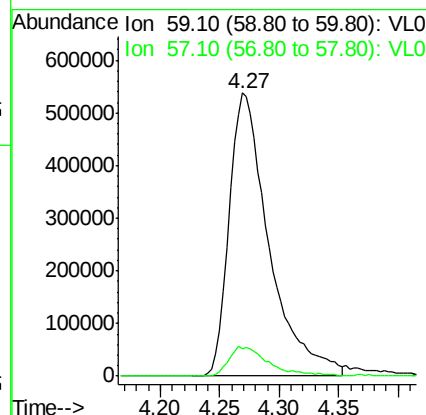
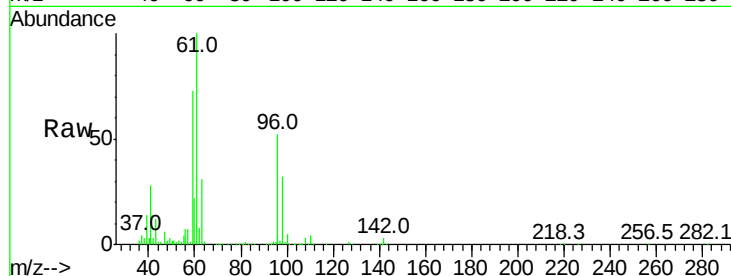
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1251072

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

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#18

1,1-Dichloroethene

Concen: 11.571 ppbv

RT: 4.27 min Scan# 461

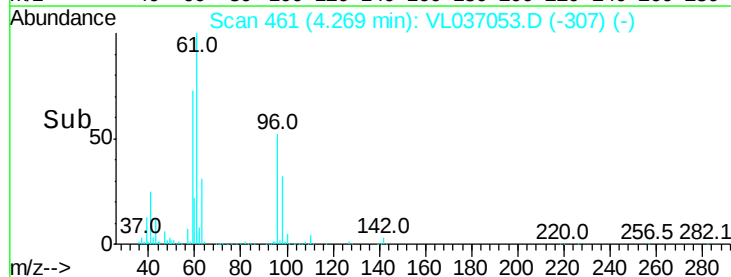
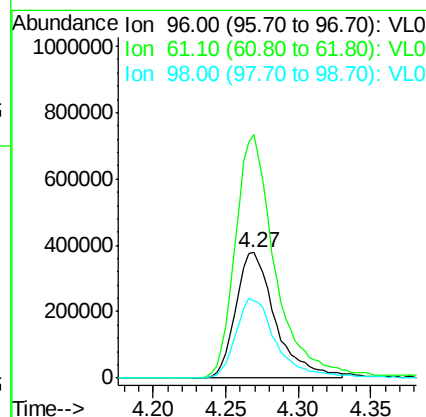
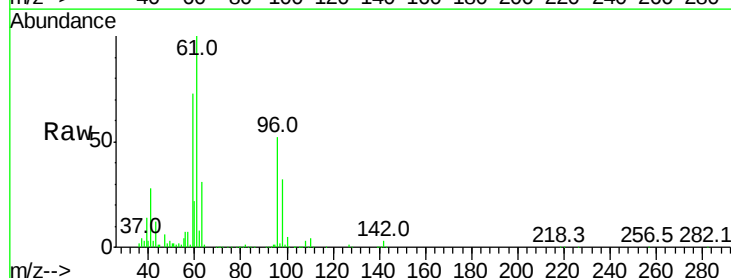
Delta R.T. -0.00 min

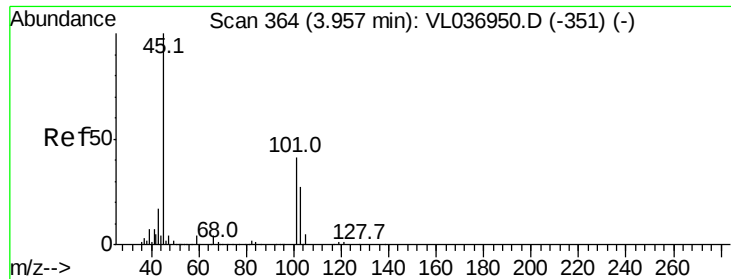
Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion: 96 Resp: 721269

Ion	Ratio	Lower	Upper
96	100		
61	193.6	148.2	222.4
98	61.3	47.8	71.6





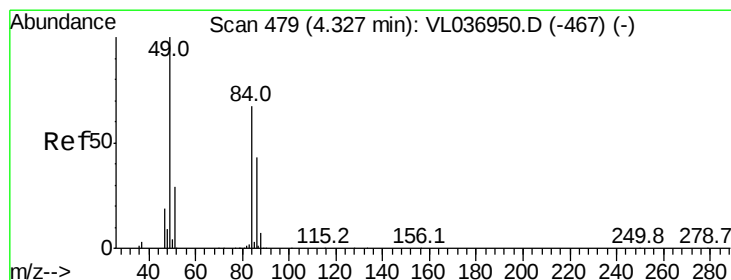
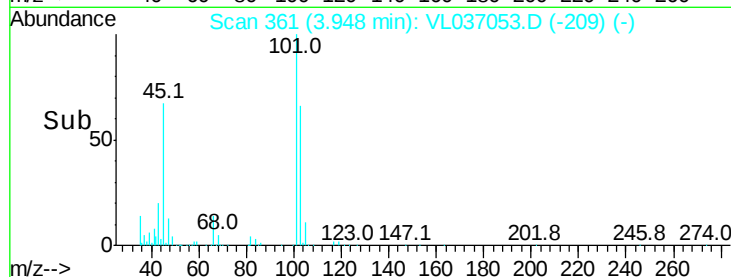
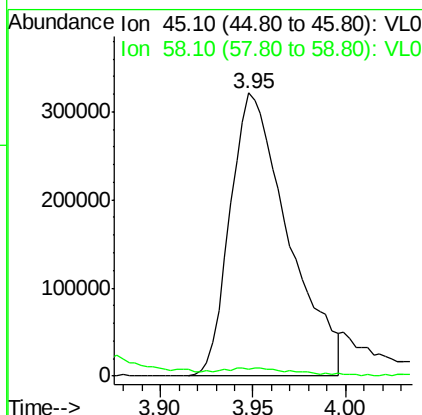
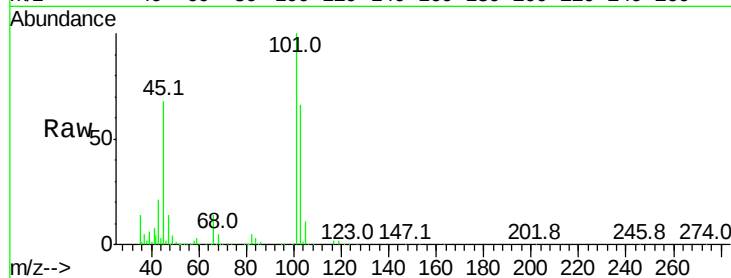
#19
Isopropyl Alcohol
Concen: 10.524 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 698318
Ion Ratio Lower Upper
45 100
58 3.9 37.2 55.8#

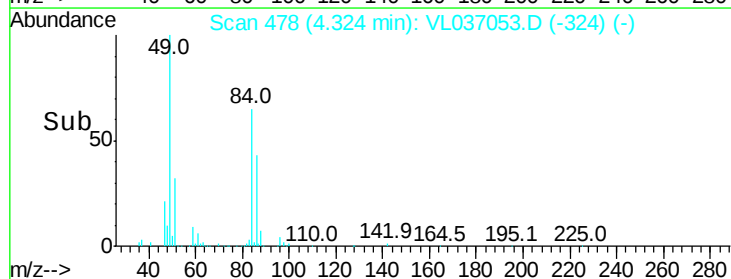
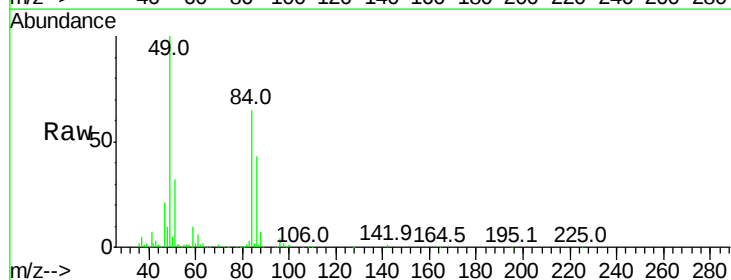
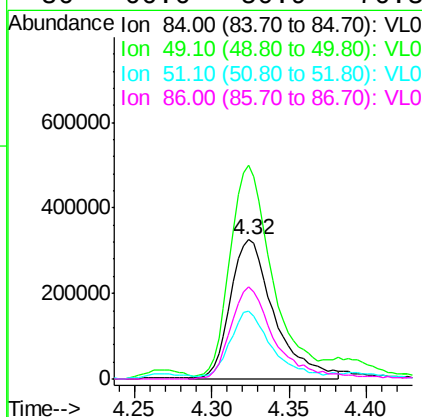
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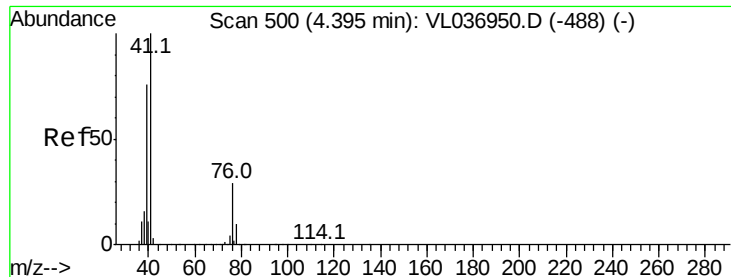
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#20
Methylene Chloride
Concen: 9.646 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 84 Resp: 638275
Ion Ratio Lower Upper
84 100
49 151.0 119.8 179.6
51 46.5 35.1 52.7
86 66.6 50.9 76.3





#21

Allyl Chloride

Concen: 11.143 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 1037731

Ion Ratio Lower Upper

41 100

76 31.0 24.9 37.3

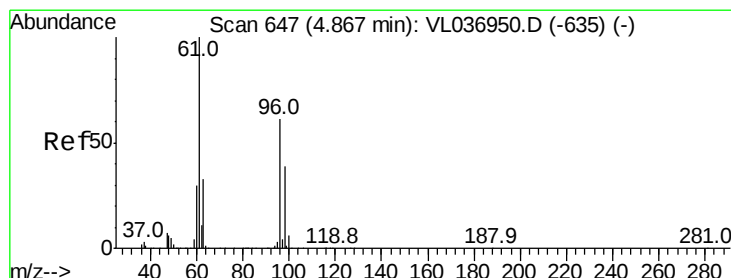
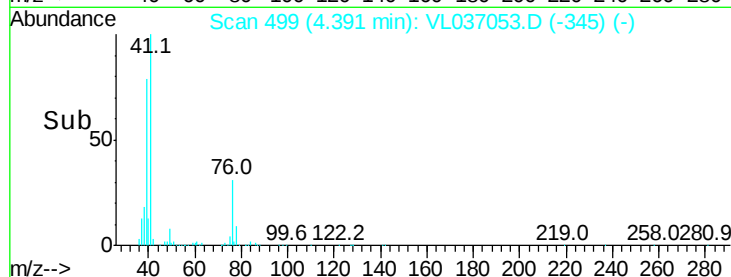
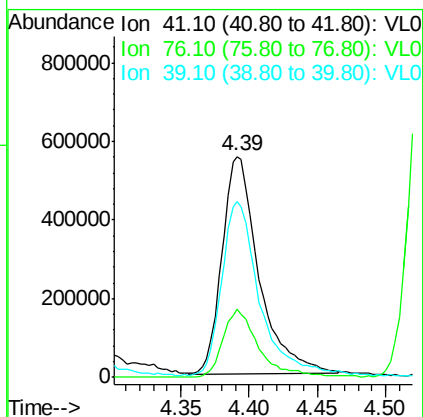
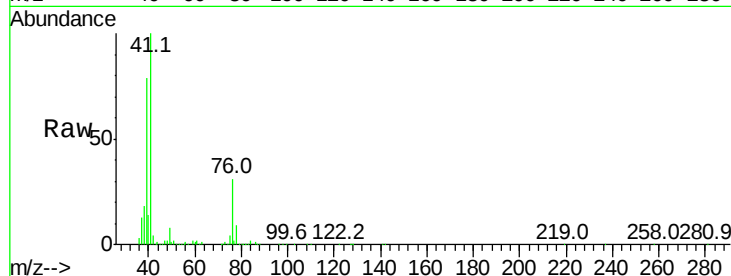
39 83.3 63.7 95.5

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#22

trans-1,2-Dichloroethene

Concen: 12.039 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

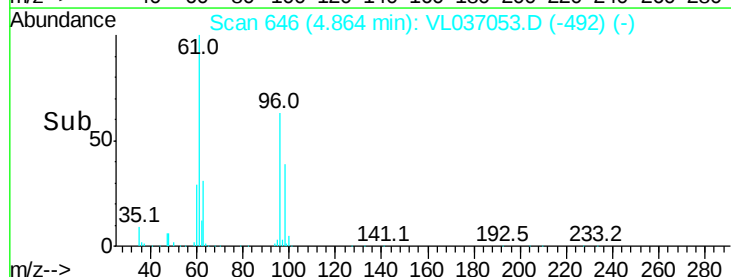
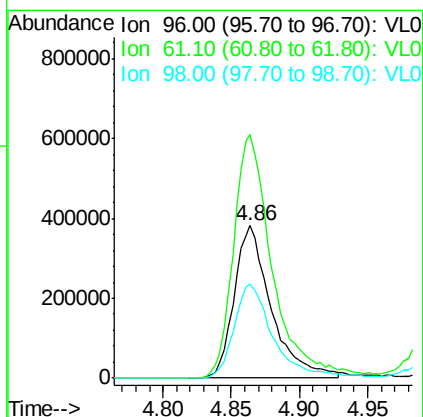
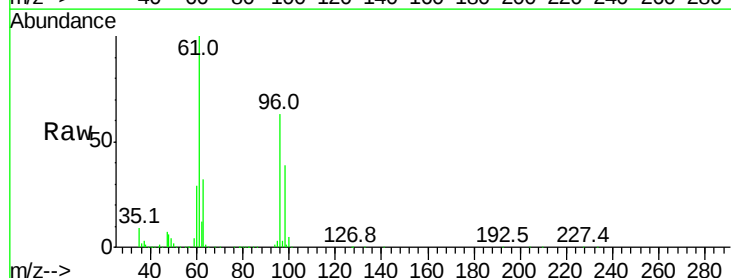
Tgt Ion: 96 Resp: 719186

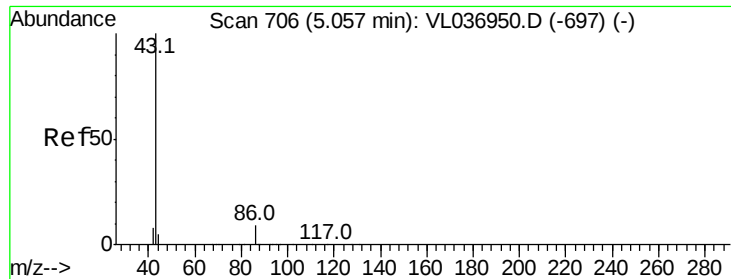
Ion Ratio Lower Upper

96 100

61 159.4 130.6 196.0

98 61.6 50.8 76.2





#23
 Vinyl Acetate
 Concen: 10.677 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

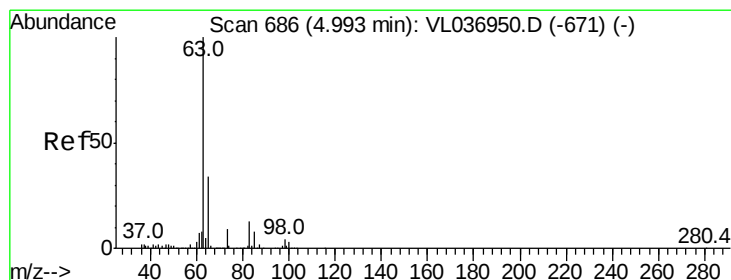
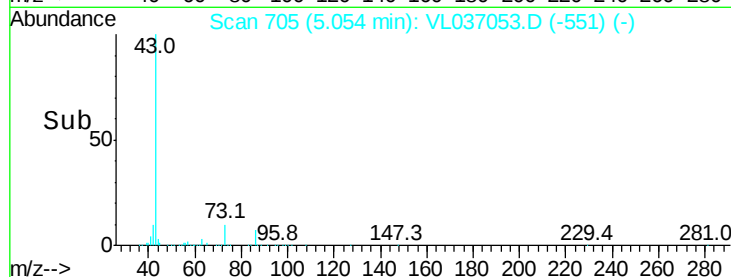
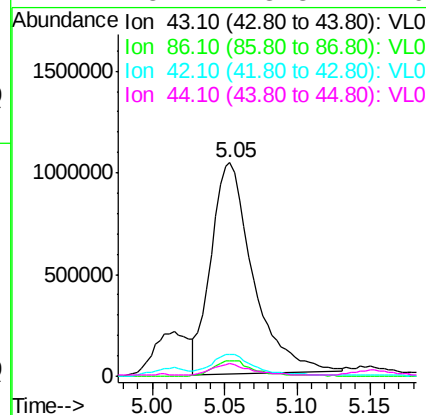
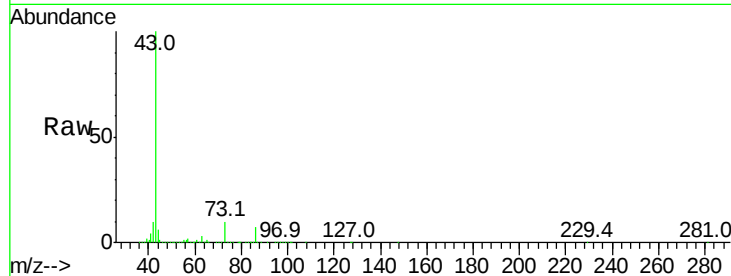
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 2092047

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	10.0	7.4	11.2
44	5.4	3.3	4.9#

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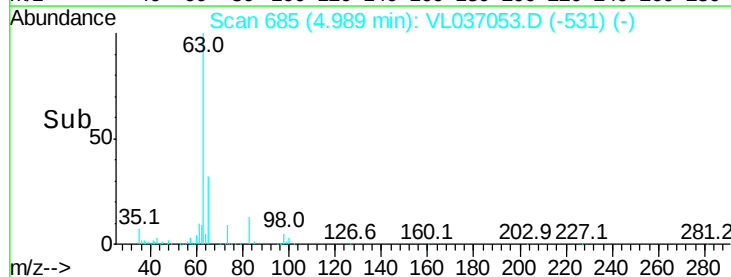
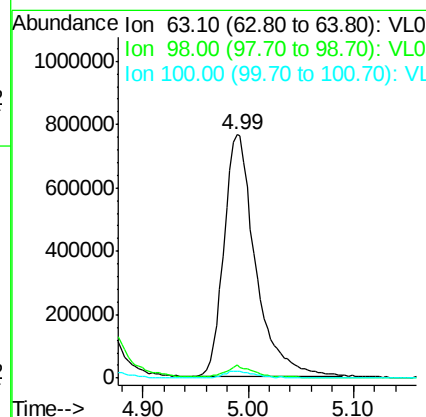
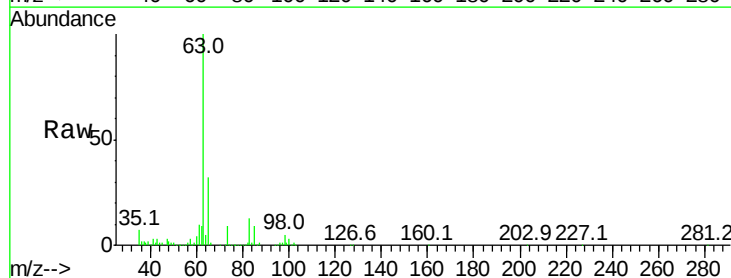
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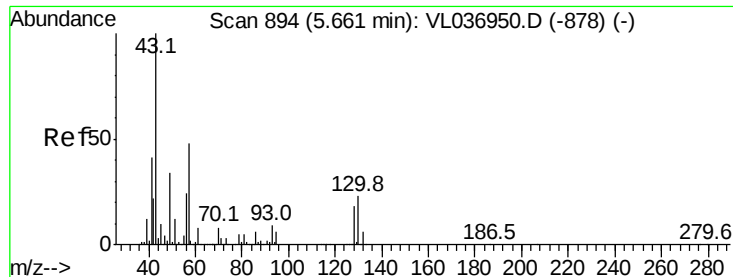


#24
 1,1-Dichloroethane
 Concen: 11.282 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 63 Resp: 1591100

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.3	6.9
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 10.766 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 3193481

Ion Ratio Lower Upper

43 100

45 9.8 7.8 11.8

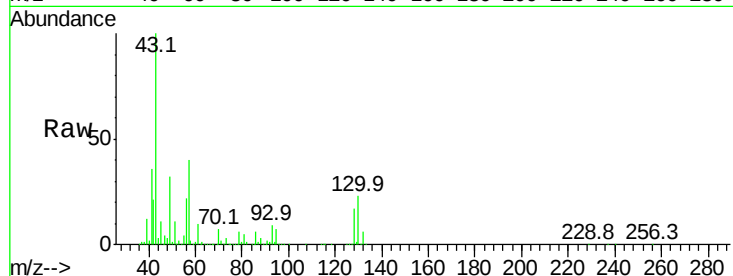
61 10.0 7.8 11.8

70 7.0 5.6 8.4

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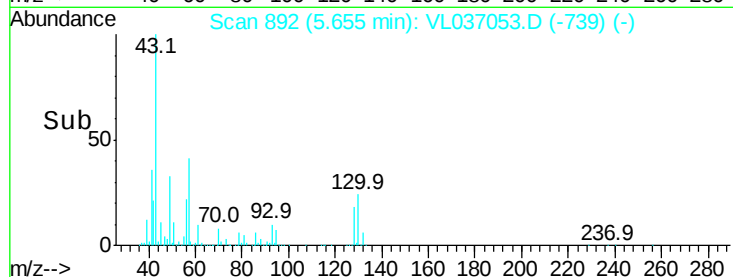
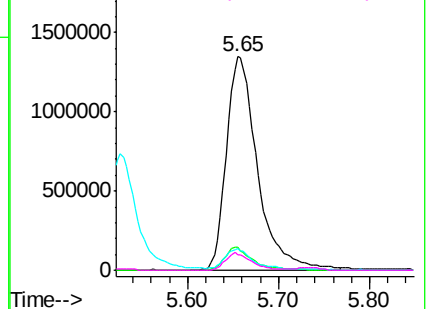
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.205 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion: 57 Resp: 1546446

Ion Ratio Lower Upper

57 100

41 92.4 70.5 105.7

43 209.5 165.8 248.8

56 52.9 42.2 63.4

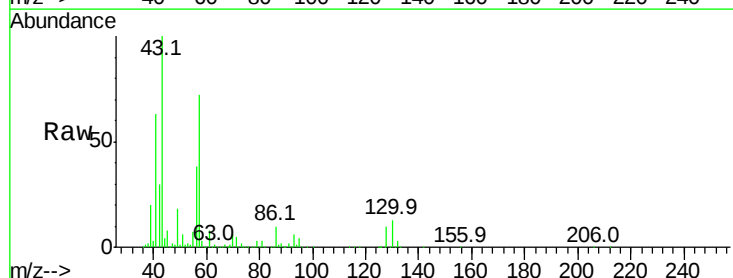
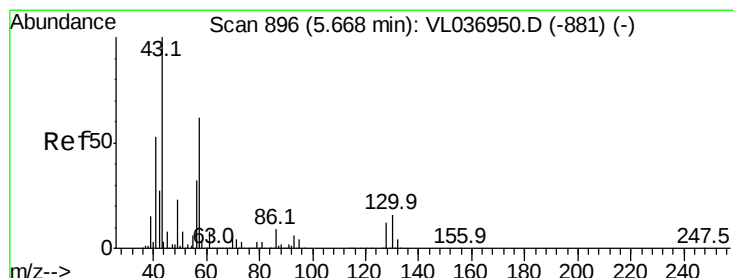
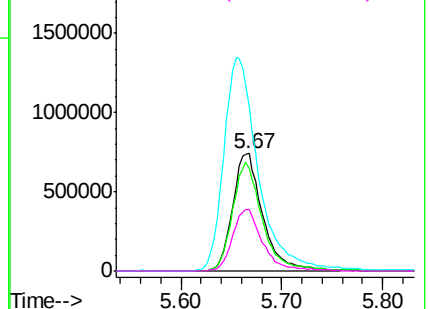
Abundance

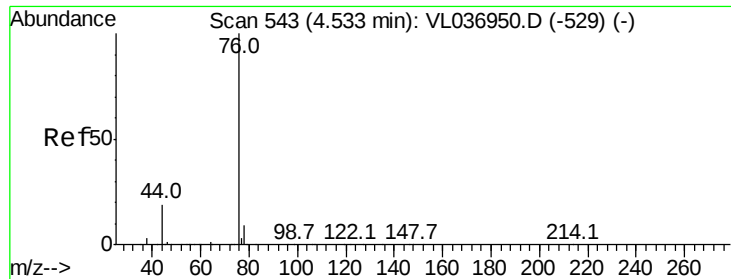
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.961 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1674107

Ion Ratio Lower Upper

76 100

44 19.4 15.5 23.3

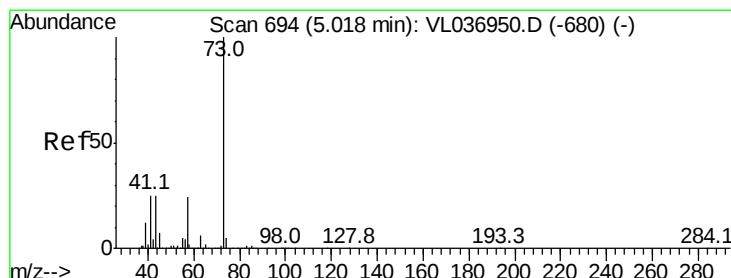
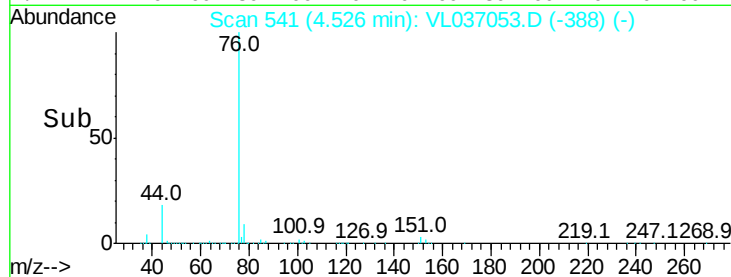
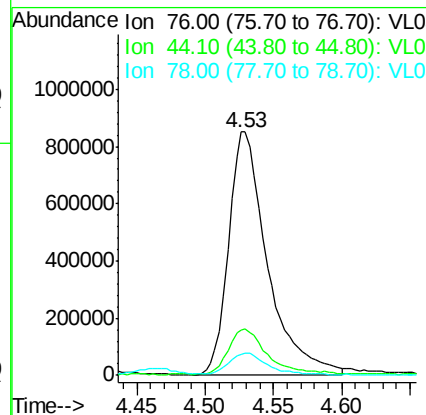
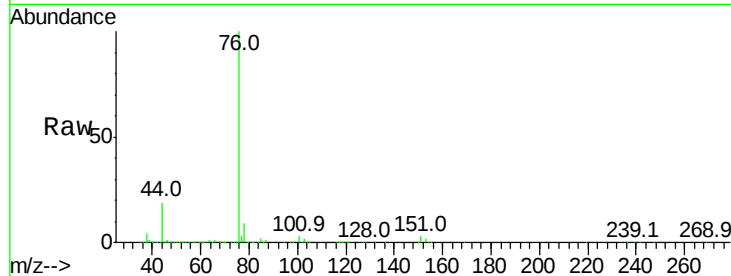
78 9.7 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 10.210 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL037053.D

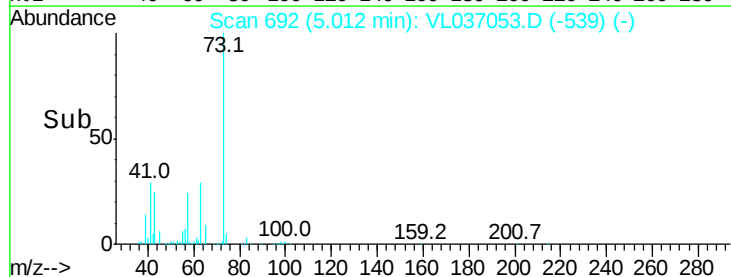
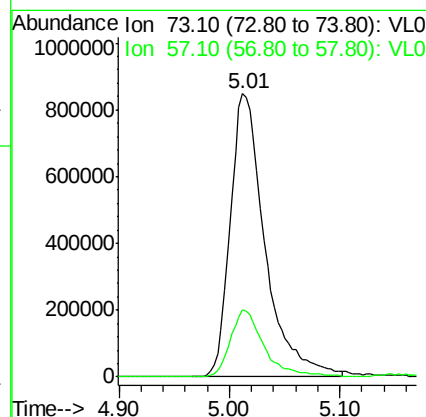
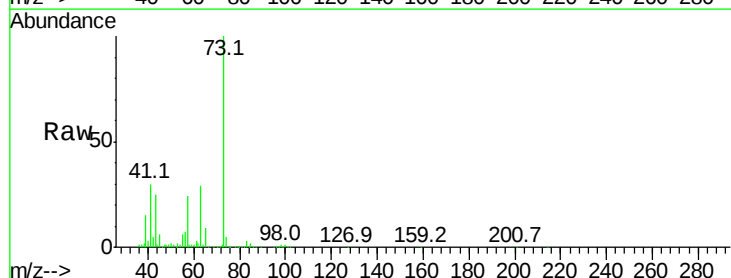
Acq: 24 May 2021 18:03

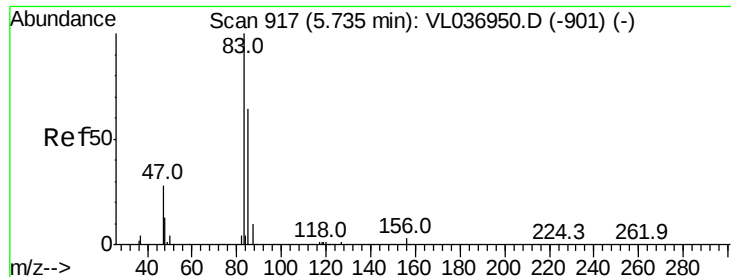
Tgt Ion: 73 Resp: 1854669

Ion Ratio Lower Upper

73 100

57 23.0 18.3 27.5





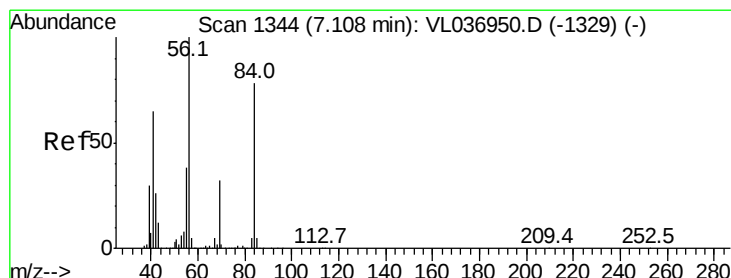
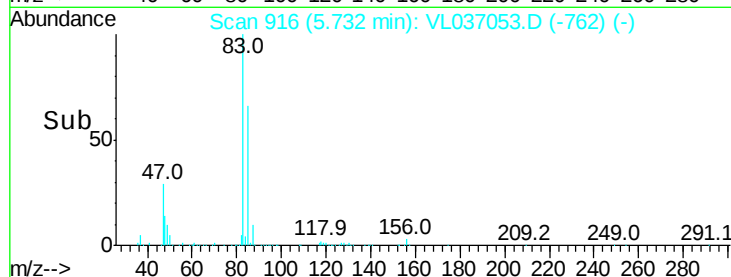
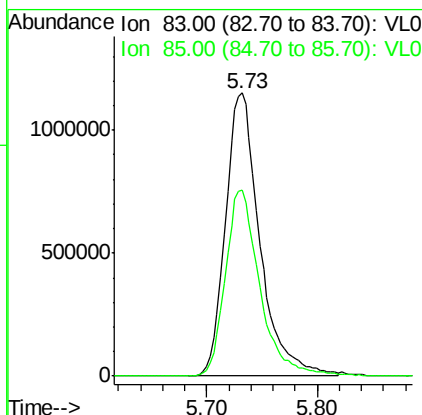
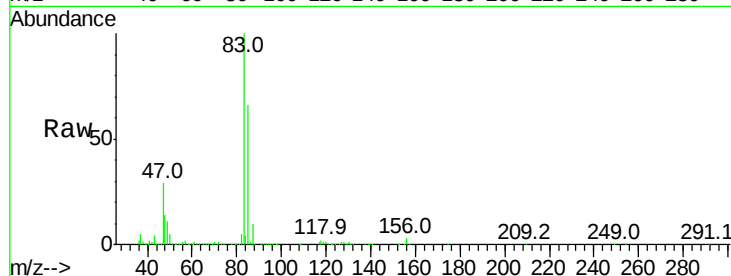
#29
Chloroform
Concen: 11.612 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2486002
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7

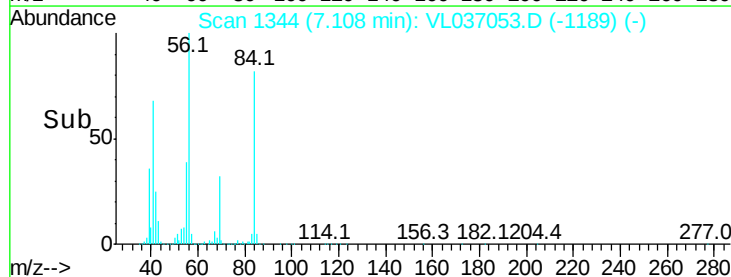
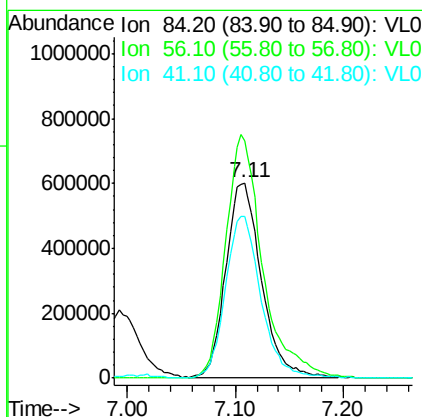
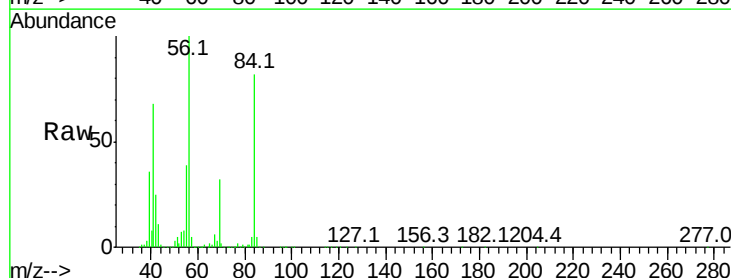
Manual Integrations
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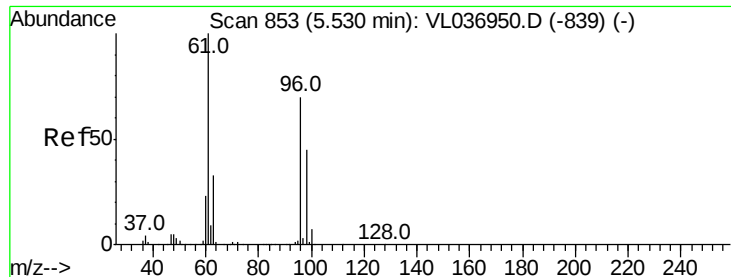
MMDadoda
5/25/2021 6:00:39 PM



#30
Cyclohexane
Concen: 10.833 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 84 Resp: 1395017
Ion Ratio Lower Upper
84 100
56 128.9 107.9 161.9
41 82.3 65.5 98.3





#31

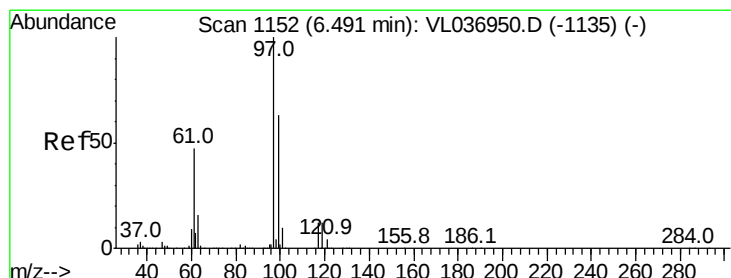
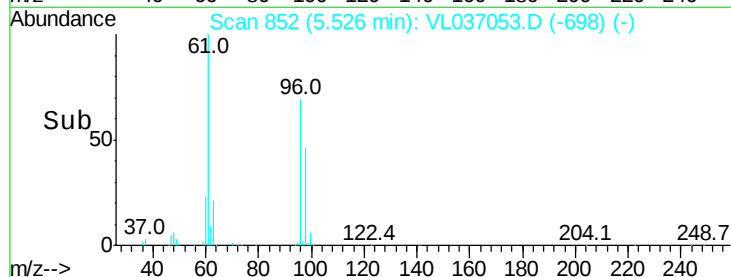
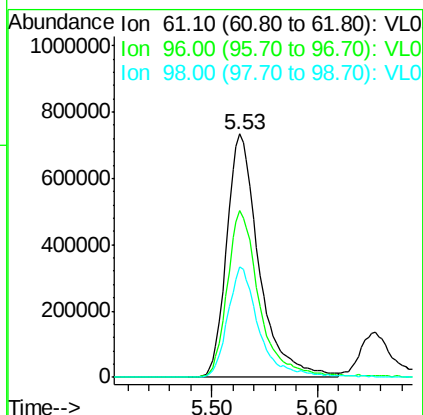
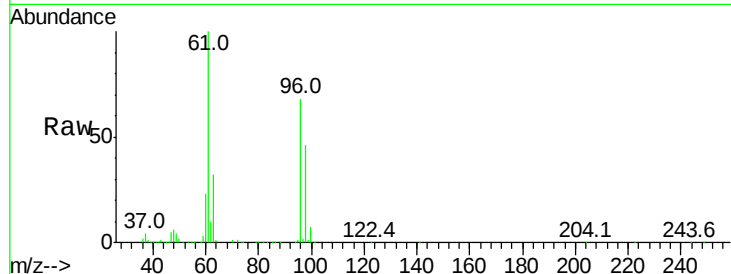
cis-1,2-Dichloroethene
 Concen: 11.442 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.4	55.9	83.9
98	45.6	35.6	53.4

Manual Integrations
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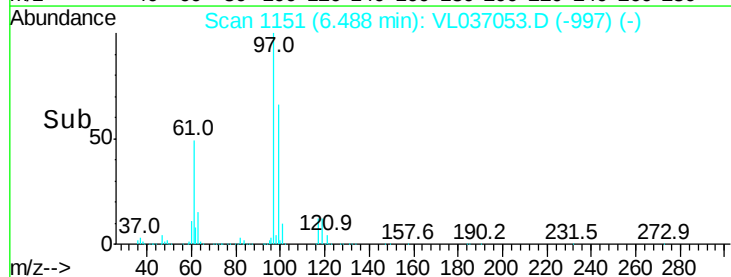
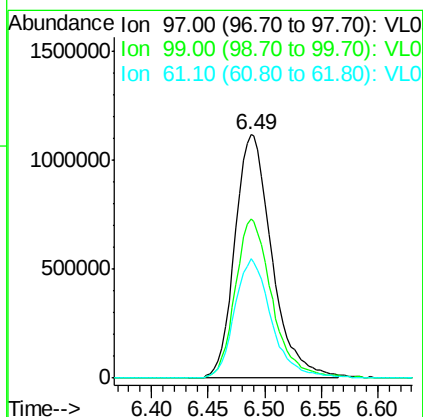
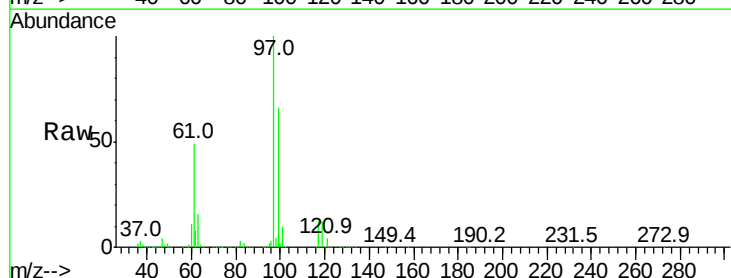
MMDadoda
 5/25/2021 6:00:39 PM

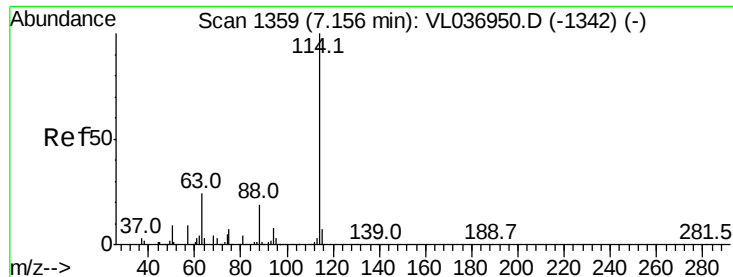


#32

1,1,1-Trichloroethane
 Concen: 11.084 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.9	77.9
61	48.9	37.6	56.4





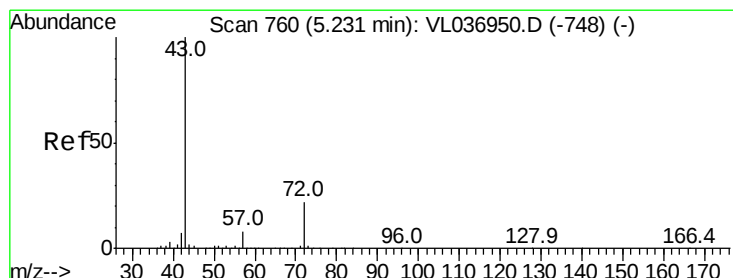
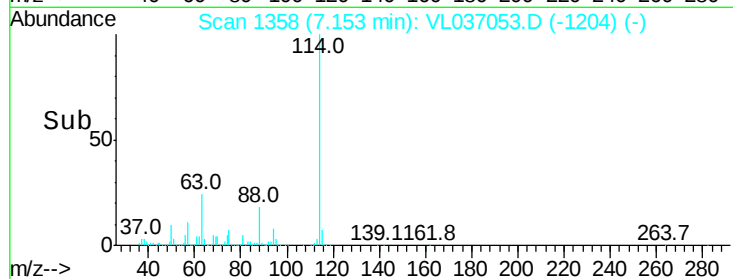
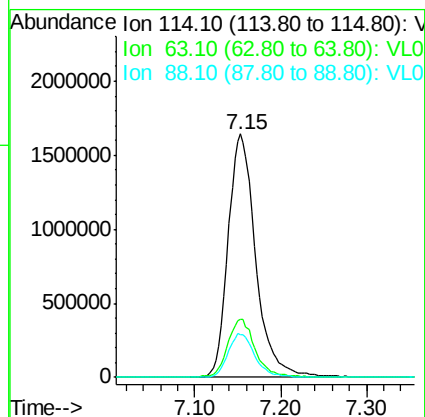
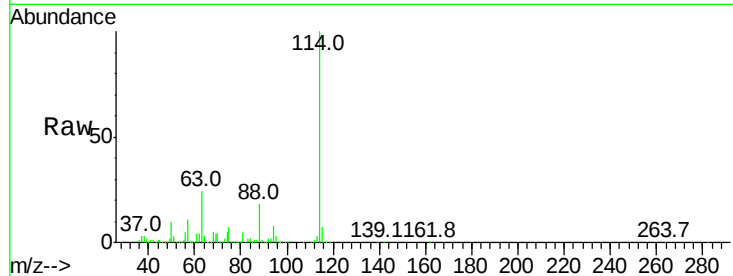
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.6	14.6	21.8

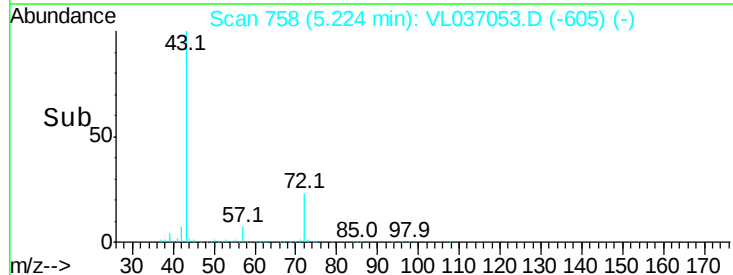
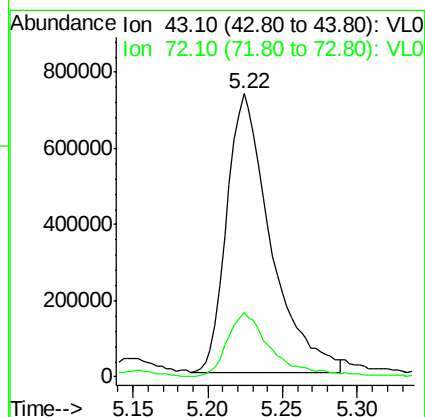
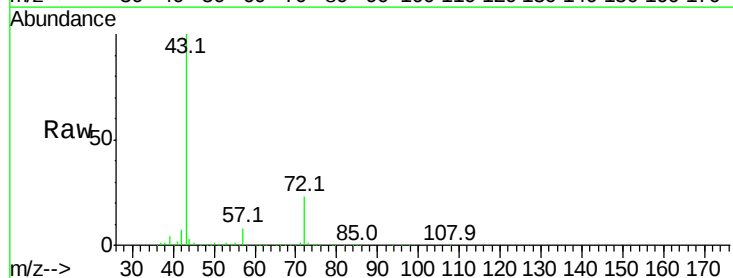
Manual Integrations
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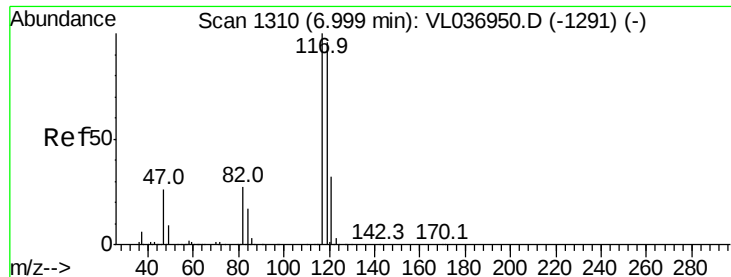
MMDadoda
 5/25/2021 6:00:39 PM



#34
 2-Butanone
 Concen: 11.236 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	19.0	28.4





#35

Carbon Tetrachloride

Concen: 11.334 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:117 Resp: 2758112

Ion Ratio Lower Upper

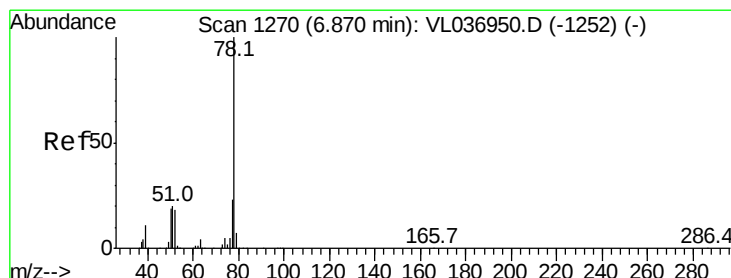
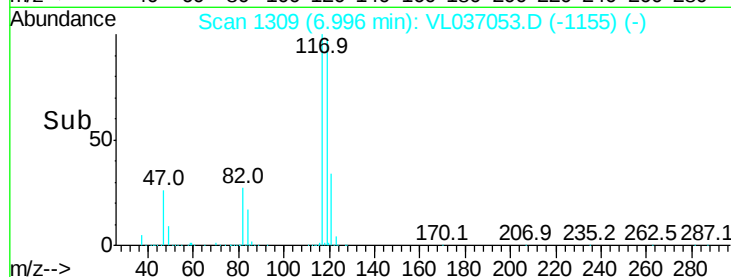
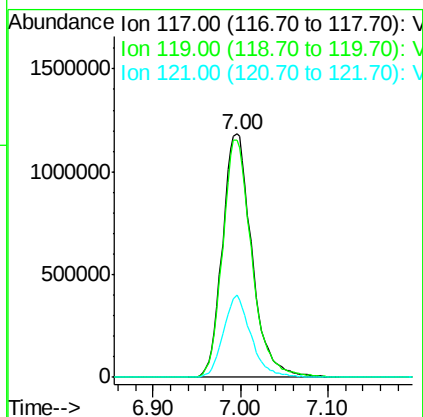
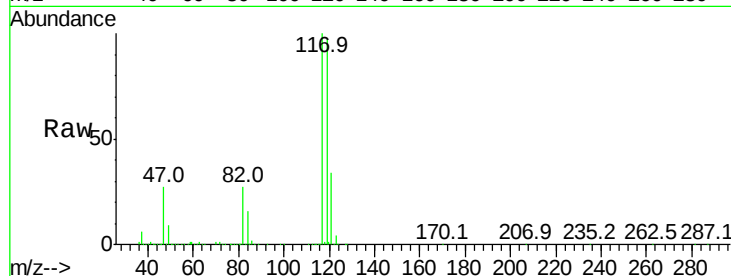
117 100

119 97.3 76.6 114.8

121 33.8 25.8 38.6

Manual Integrations
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#36

Benzene

Concen: 10.266 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

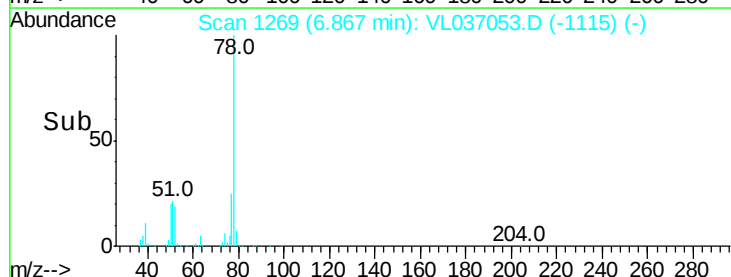
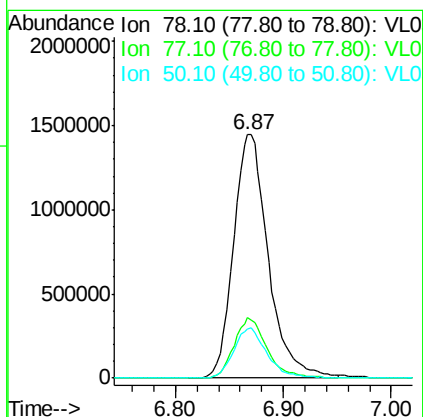
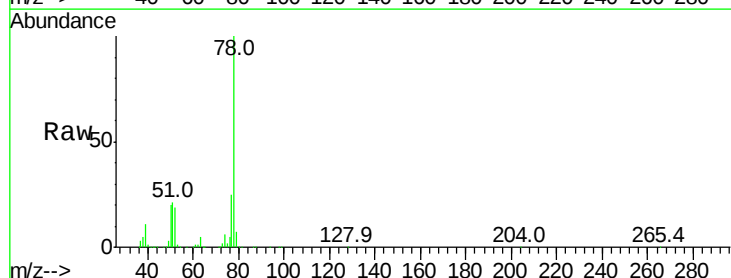
Tgt Ion: 78 Resp: 3238691

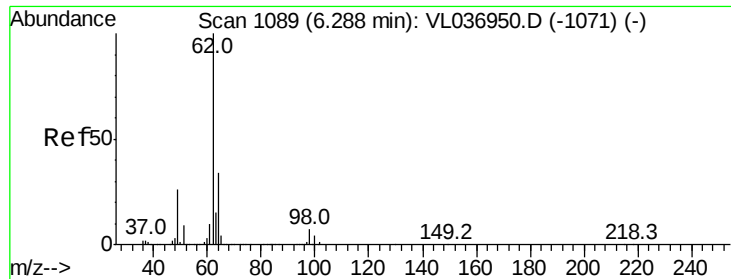
Ion Ratio Lower Upper

78 100

77 24.6 18.6 28.0

50 20.3 15.0 22.4





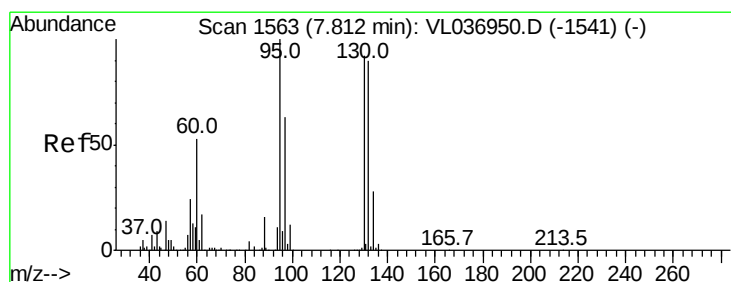
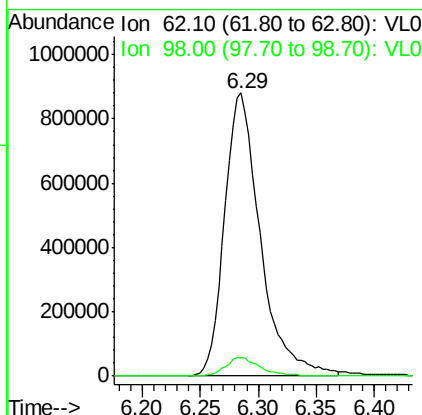
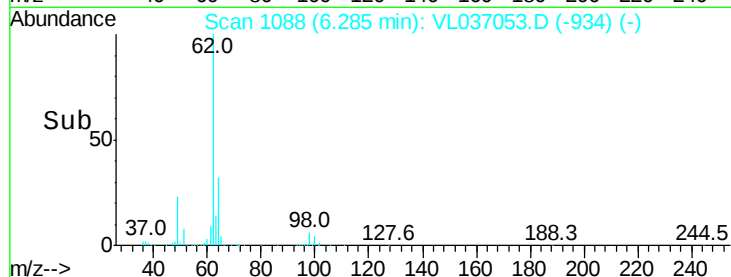
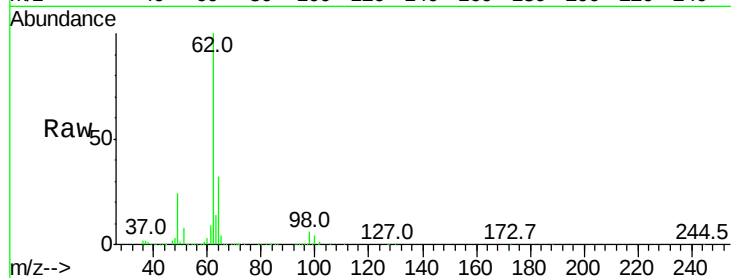
#37
1,2-Dichloroethane
Concen: 12.015 ppbv
RT: 6.29 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1879311
Ion Ratio Lower Upper
62 100
98 6.7 5.5 8.3

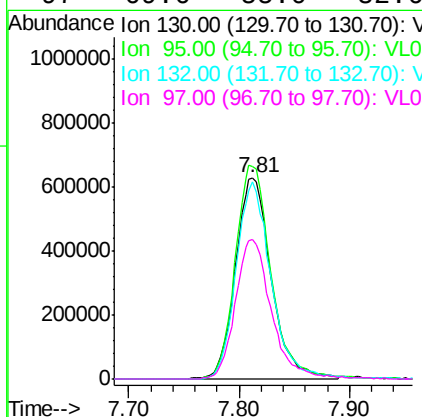
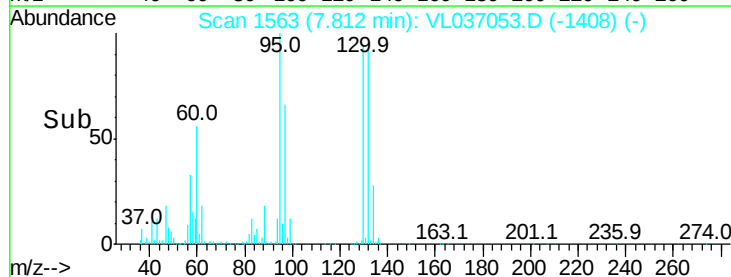
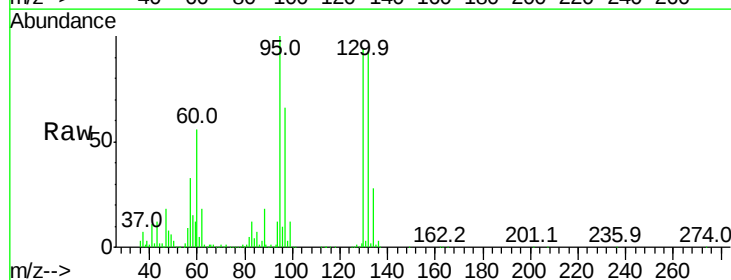
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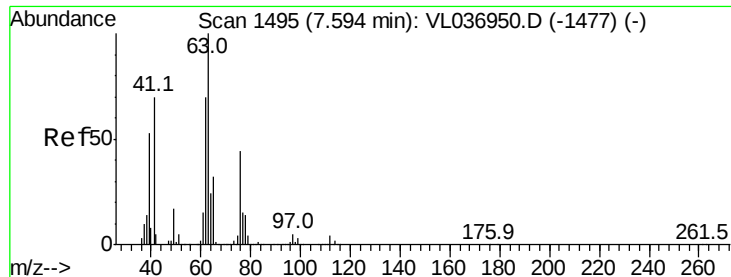
MMDadoda
5/25/2021 6:00:39 PM



#38
Trichloroethene
Concen: 10.352 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 130 Resp: 1397071
Ion Ratio Lower Upper
130 100
95 106.2 86.9 130.3
132 98.5 78.4 117.6
97 69.6 55.0 82.6





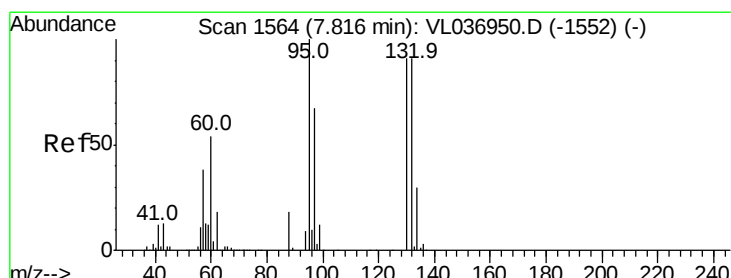
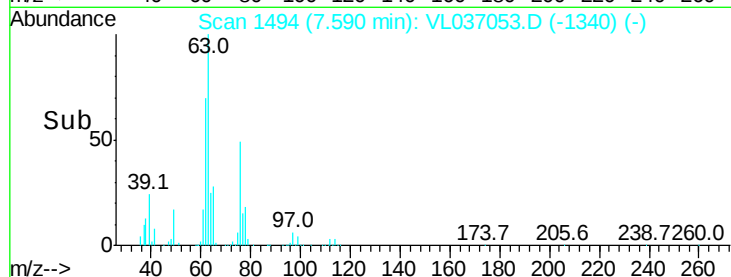
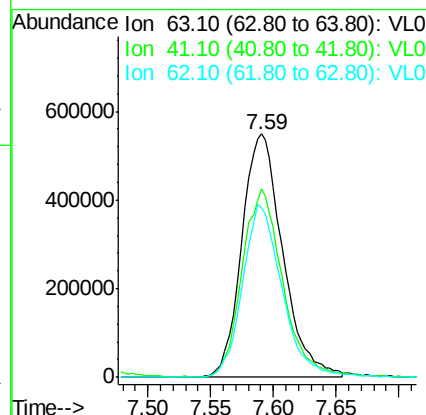
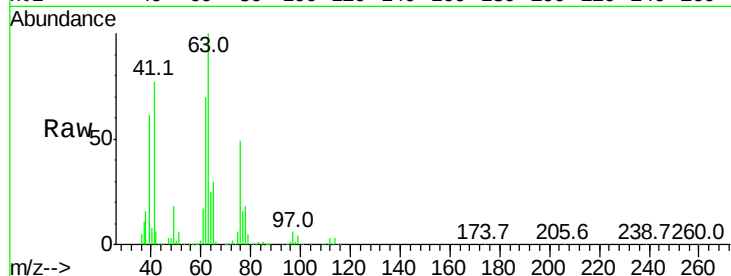
#39
 1,2-Dichloropropane
 Concen: 10.218 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	77.1	55.7	83.5
62	69.8	56.2	84.4

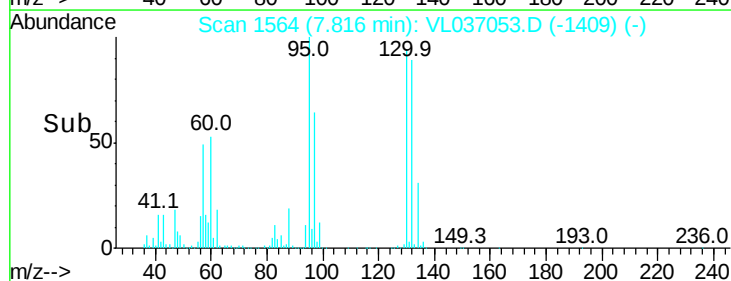
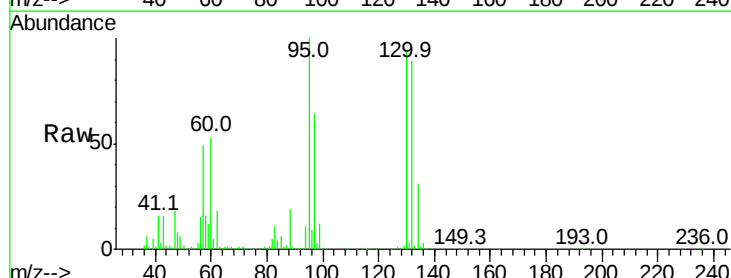
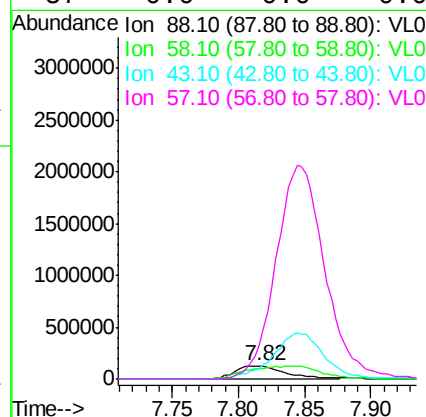
Manual Integrations
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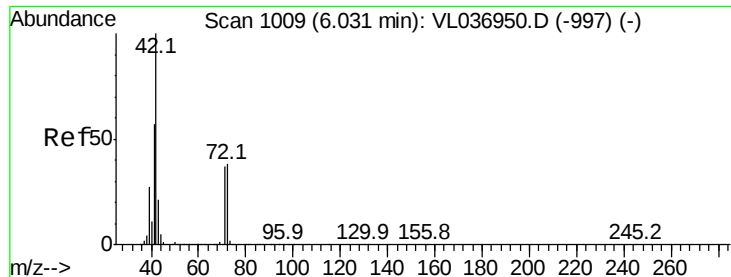
MMDadoda
 5/25/2021 6:00:39 PM



#40
 1,4-Dioxane
 Concen: 11.572 ppbv m
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





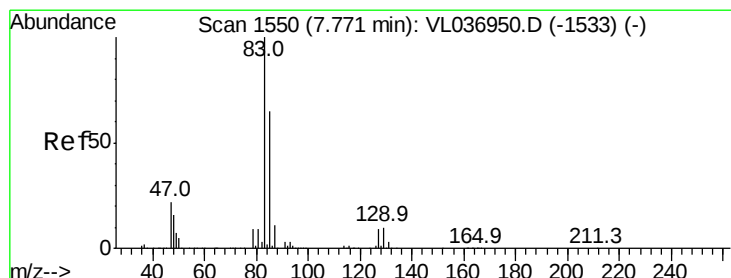
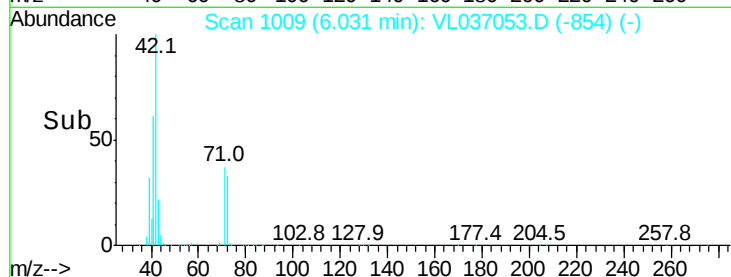
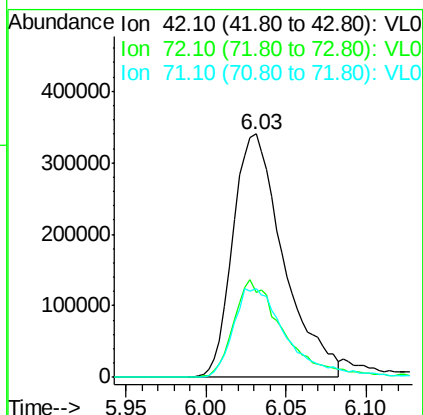
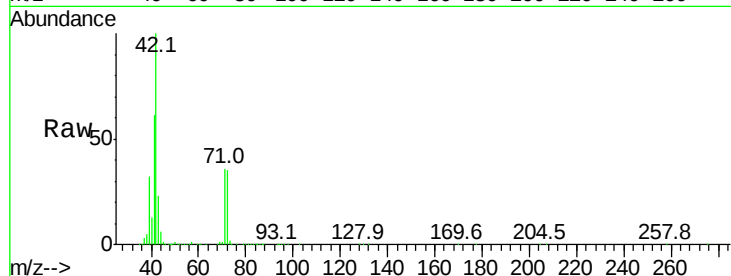
#41
Tetrahydrofuran
Concen: 9.678 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.4	47.2
71	39.8	30.4	45.6

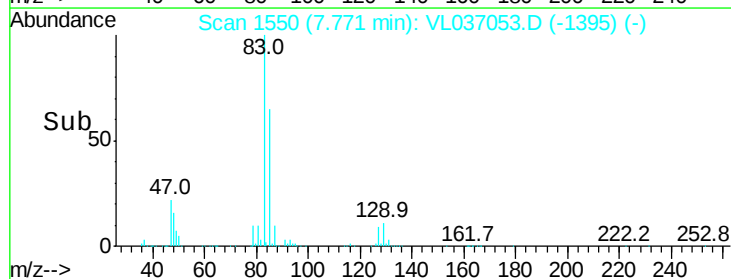
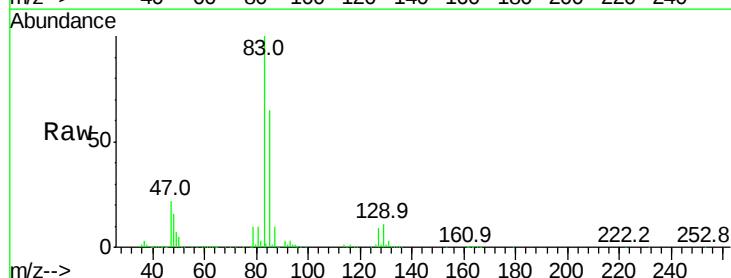
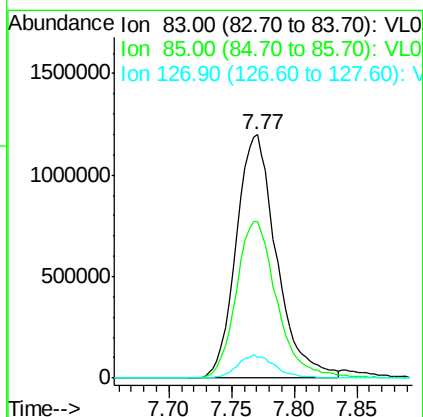
Manual Integrations
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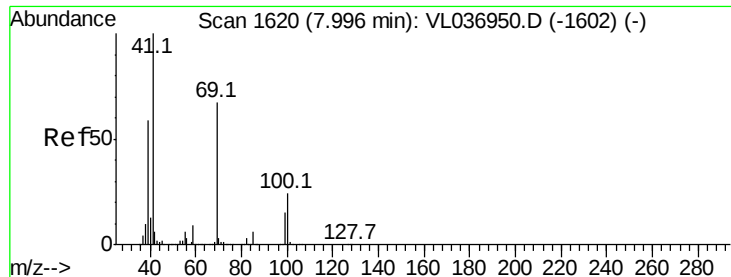
MMDadoda
5/25/2021 6:00:39 PM



#42
Bromodichloromethane
Concen: 11.341 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5
127	8.6	6.9	10.3





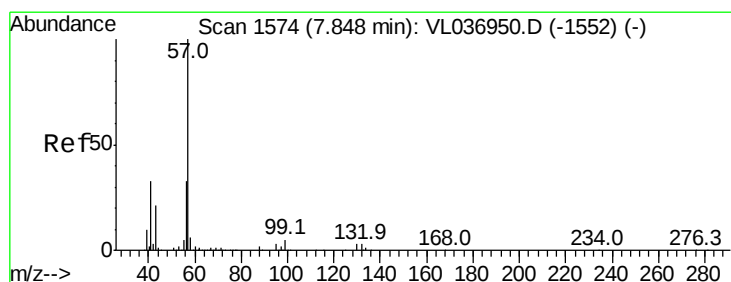
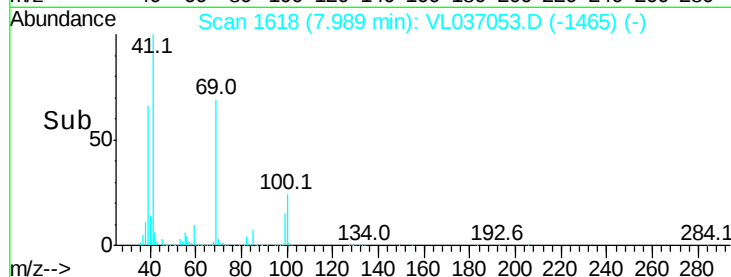
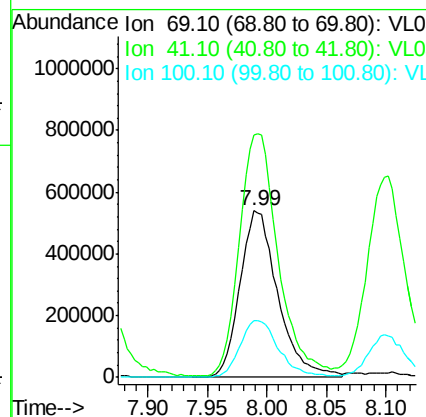
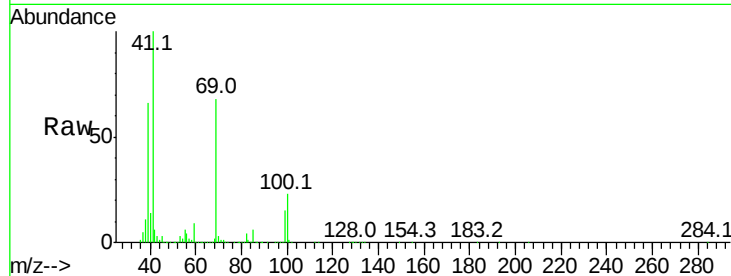
#43
Methyl Methacrylate
Concen: 10.967 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1192462
Ion Ratio Lower Upper
69 100
41 150.7 118.6 178.0
100 34.8 28.2 42.4

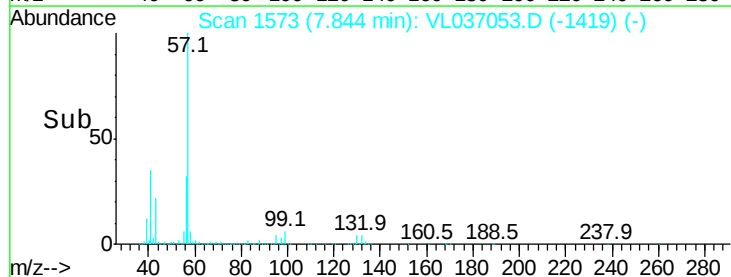
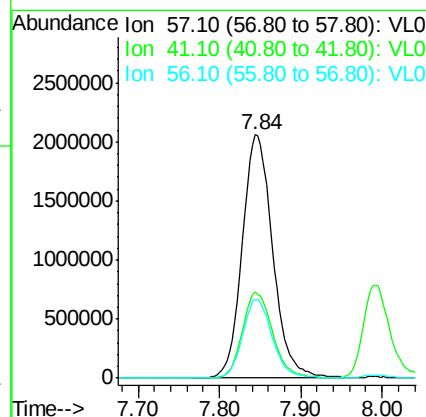
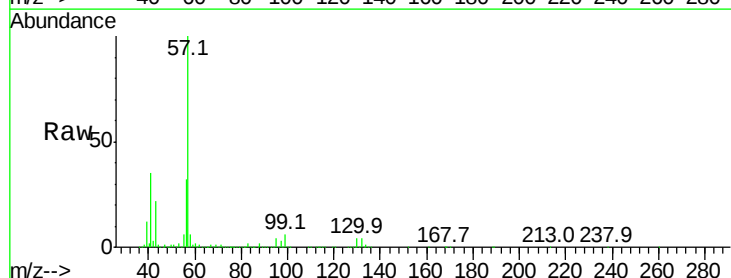
Manual Integrations
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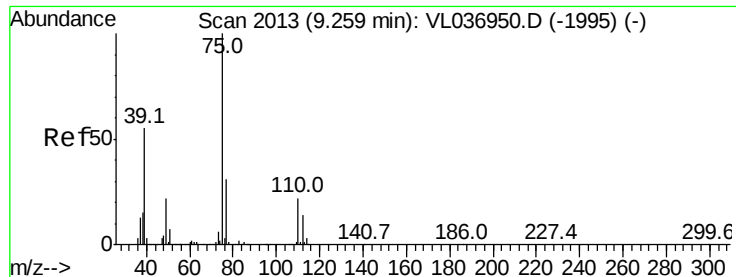
MMDadoda
5/25/2021 6:00:39 PM



#44
2,2,4-Trimethylpentane
Concen: 9.828 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 57 Resp: 5319581
Ion Ratio Lower Upper
57 100
41 35.0 27.0 40.4
56 31.4 25.4 38.2





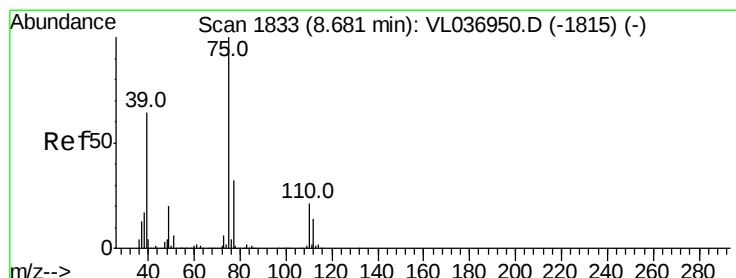
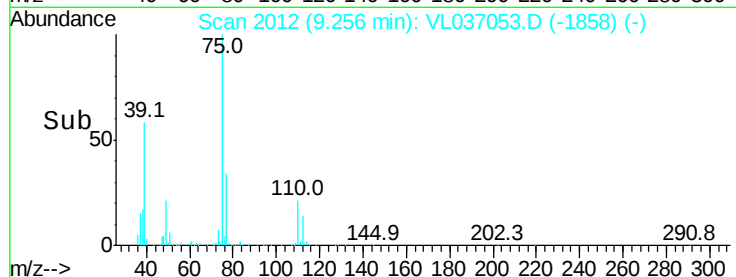
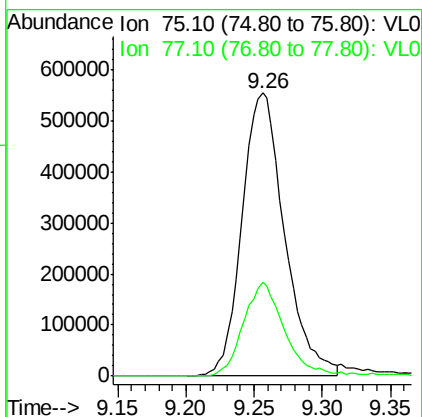
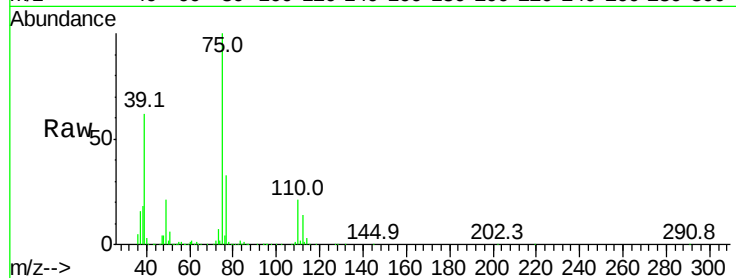
#45
 t-1,3-Dichloropropene
 Concen: 14.371 ppbv
 RT: 9.26 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 1193862
 Ion Ratio Lower Upper
 75 100
 77 33.4 24.4 36.6

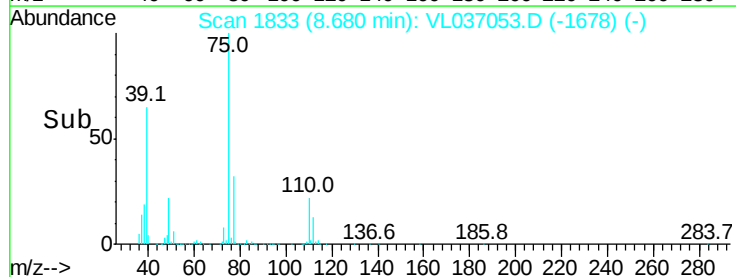
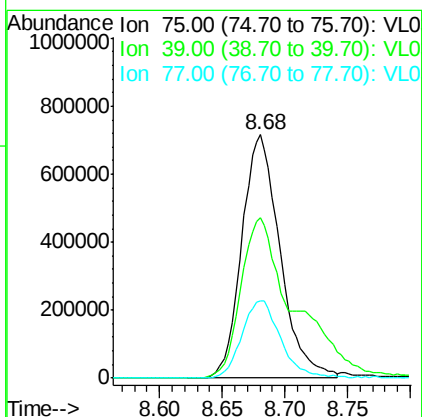
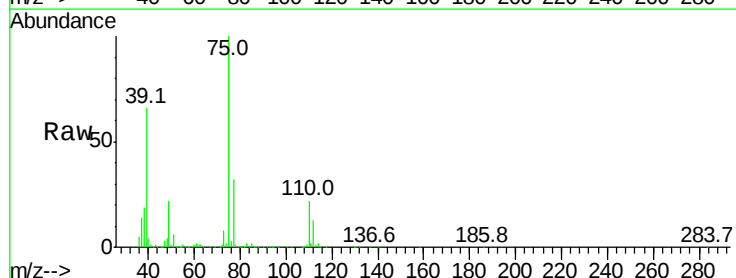
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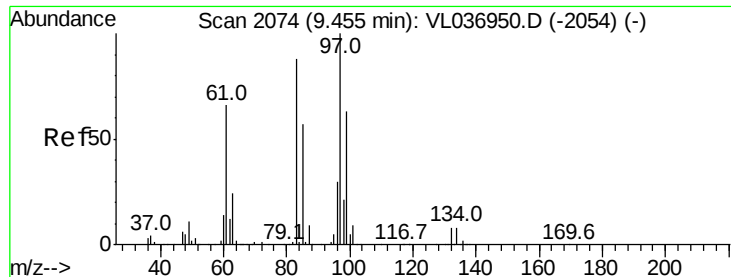
MMDadoda
 5/25/2021 6:00:39 PM



#46
 cis-1,3-Dichloropropene
 Concen: 13.609 ppbv
 RT: 8.68 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 75 Resp: 1520659
 Ion Ratio Lower Upper
 75 100
 39 65.9 51.5 77.3
 77 31.5 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.813 ppbv

RT: 9.45 min Scan# 2072

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1375379

Ion Ratio Lower Upper

97 100

83 90.0 70.4 105.6

85 56.7 45.5 68.3

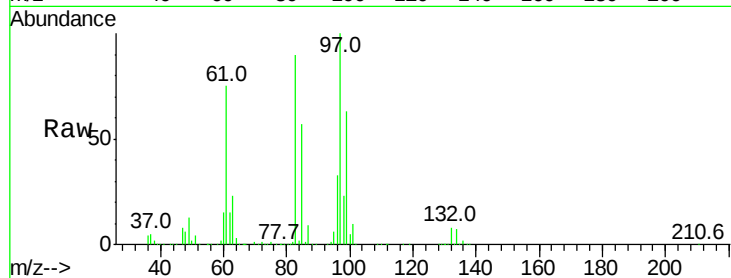
99 62.9 50.2 75.2

Manual Integrations

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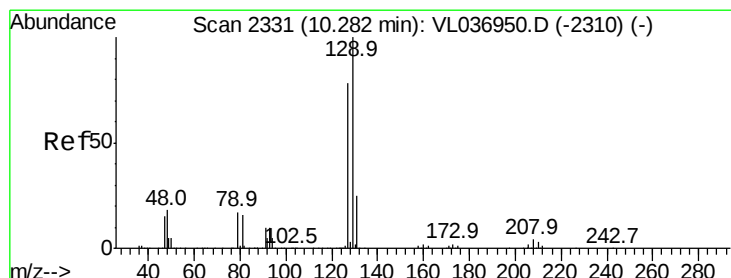
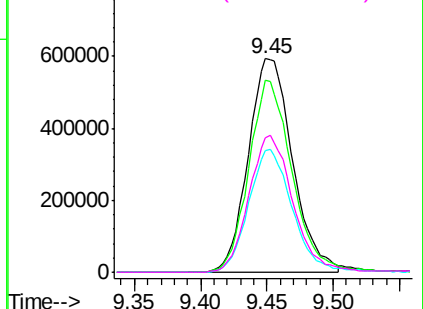
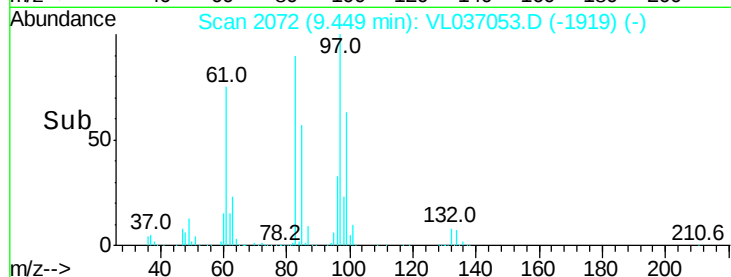


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.053 ppbv

RT: 10.28 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VL037053.D

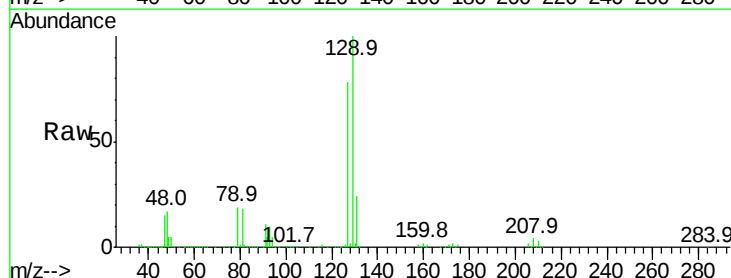
Acq: 24 May 2021 18:03

Tgt Ion: 129 Resp: 2482449

Ion Ratio Lower Upper

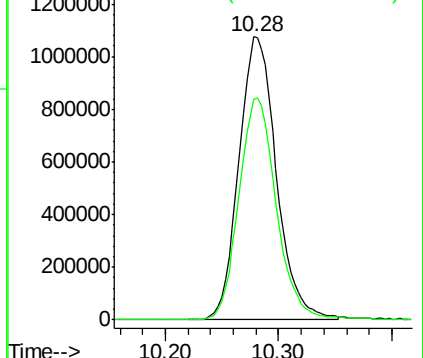
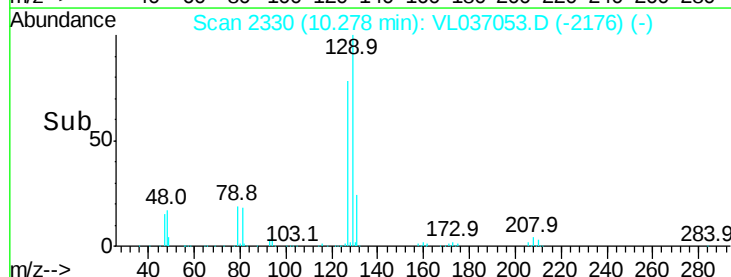
129 100

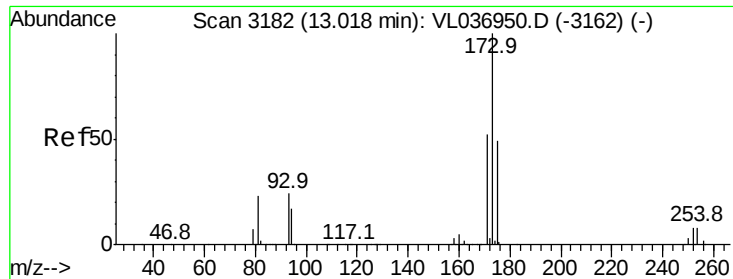
127 78.8 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.093 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 2056881

Ion Ratio Lower Upper

173 100

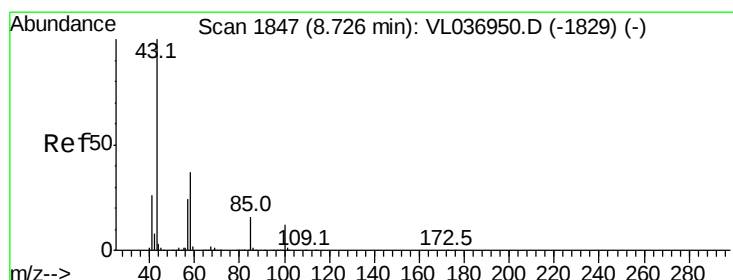
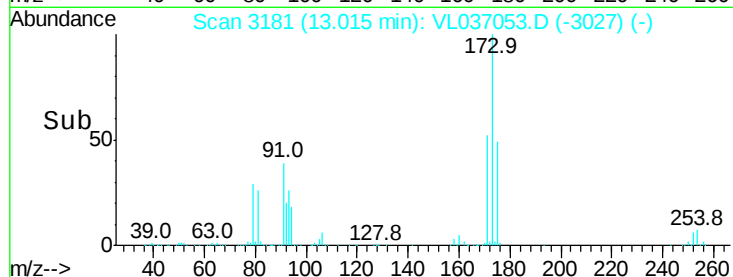
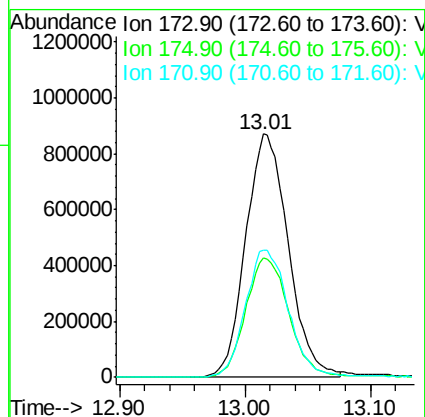
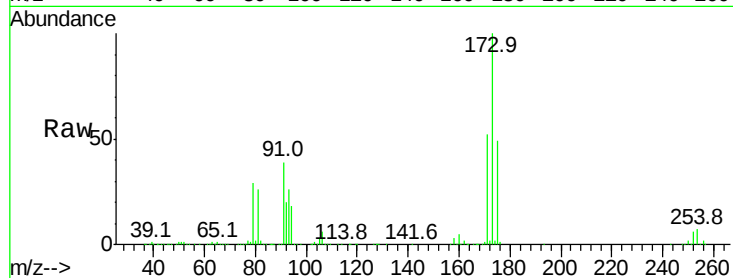
175 50.7 40.4 60.6

171 54.2 42.6 64.0

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#50

4-Methyl-2-Pentanone

Concen: 10.460 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037053.D

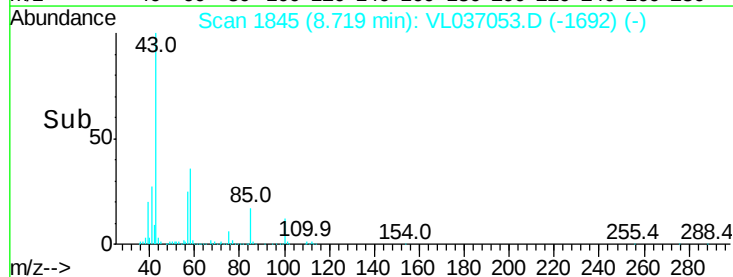
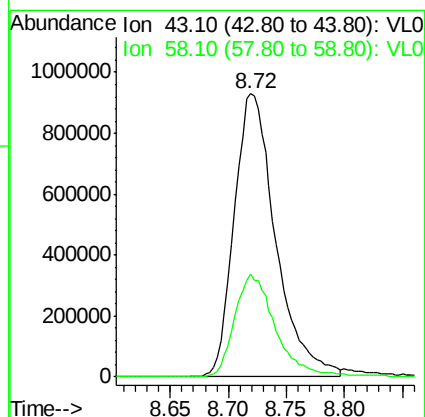
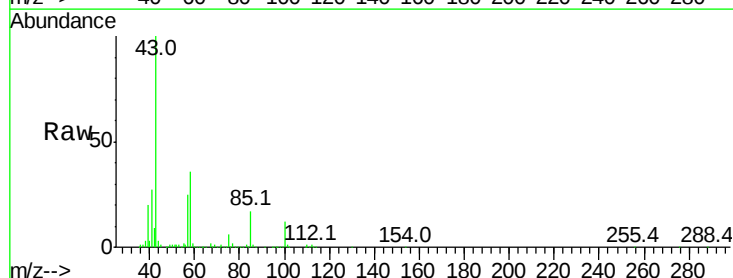
Acq: 24 May 2021 18:03

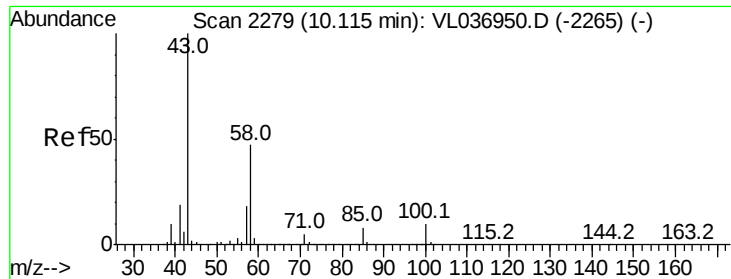
Tgt Ion: 43 Resp: 2301905

Ion Ratio Lower Upper

43 100

58 36.2 29.4 44.2





#51

2-Hexanone

Concen: 10.789 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1255192

Ion Ratio Lower Upper

43 100

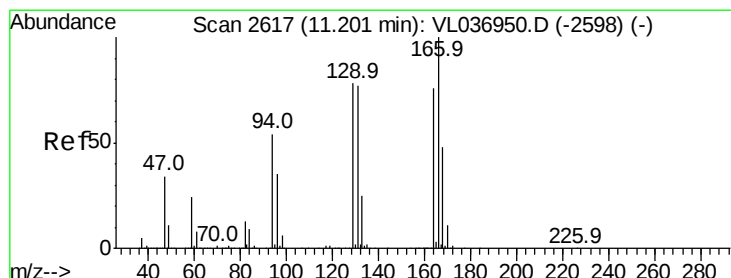
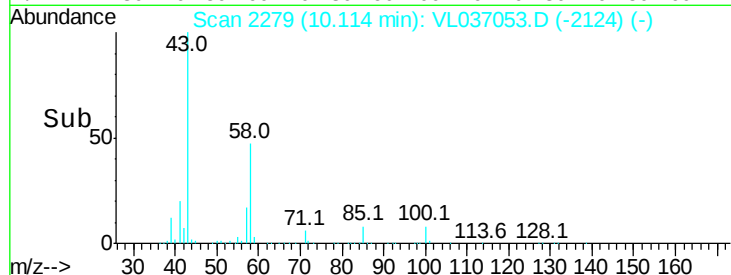
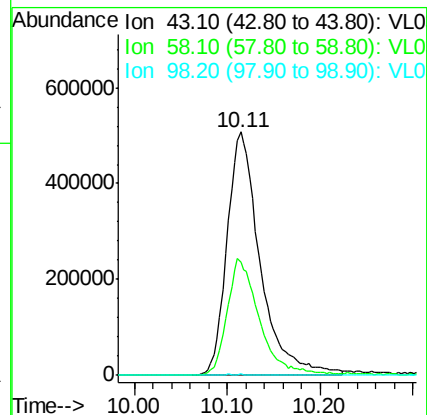
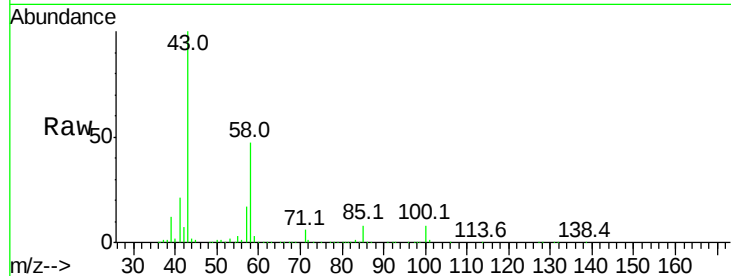
58 48.0 41.1 61.7

98 0.3 0.1 0.1#

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#52

Tetrachloroethene

Concen: 10.901 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion: 164 Resp: 1367583

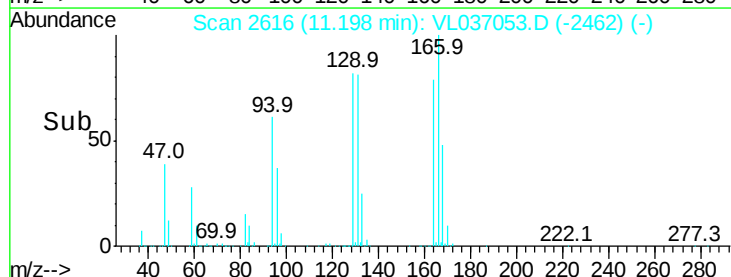
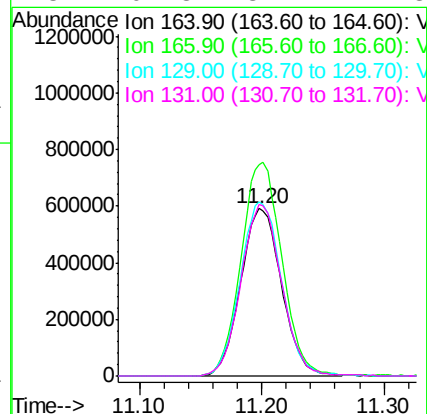
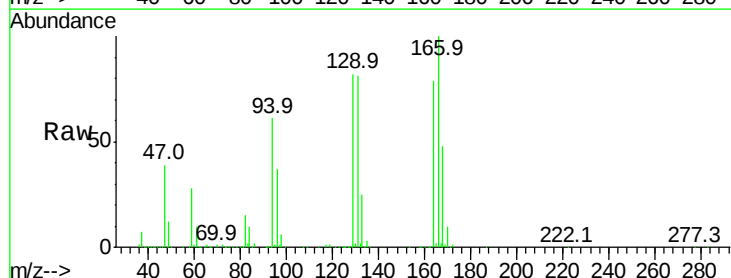
Ion Ratio Lower Upper

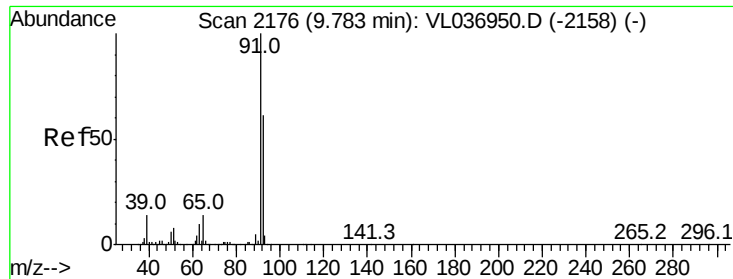
164 100

166 126.2 105.5 158.3

129 103.9 81.8 122.8

131 101.8 81.2 121.8





#53

Toluene

Concen: 10.468 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3929420

Ion Ratio Lower Upper

91 100

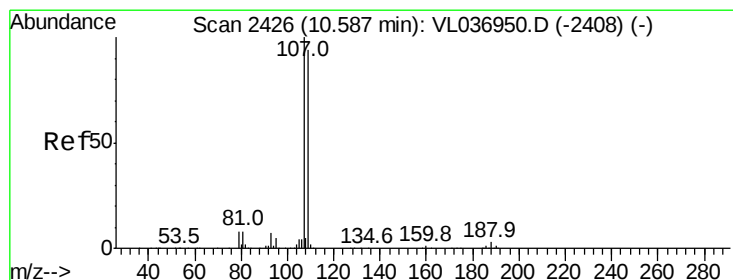
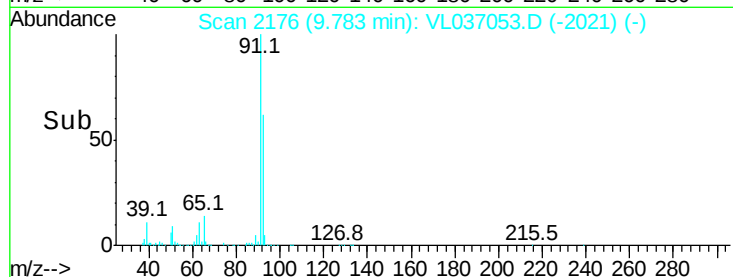
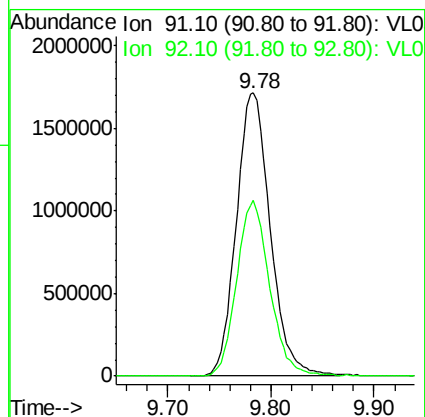
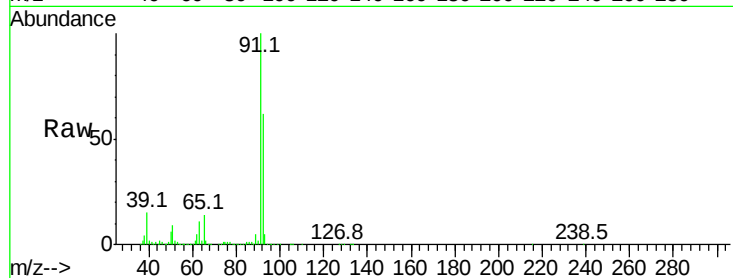
92 60.7 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 11.706 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037053.D

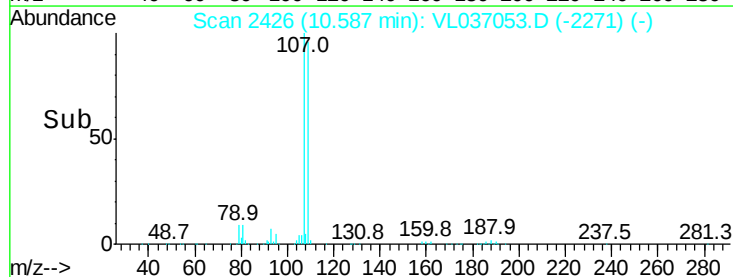
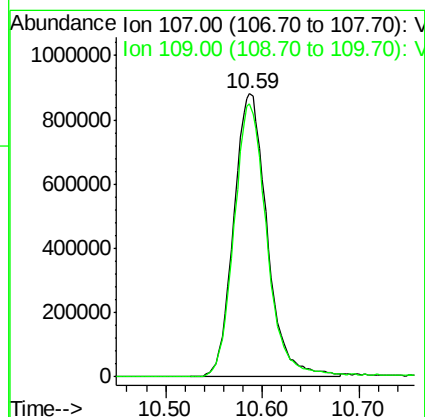
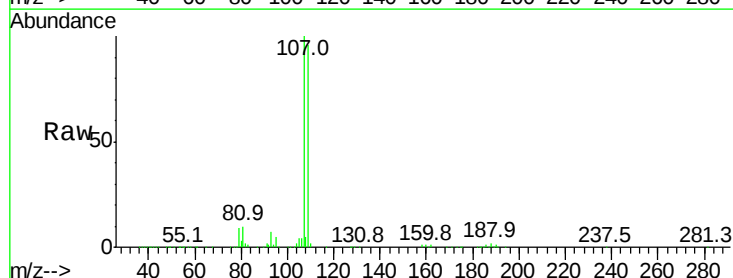
Acq: 24 May 2021 18:03

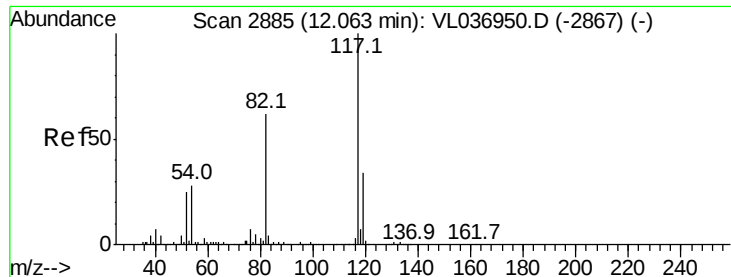
Tgt Ion: 107 Resp: 2116977

Ion Ratio Lower Upper

107 100

109 96.3 75.0 112.4





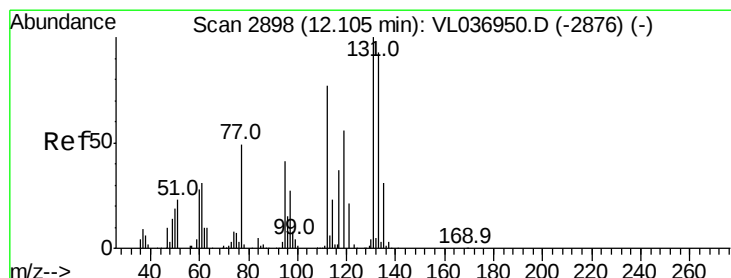
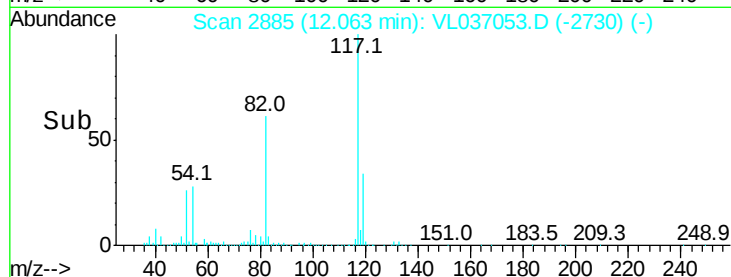
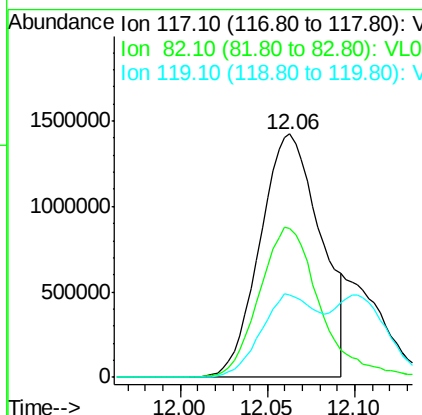
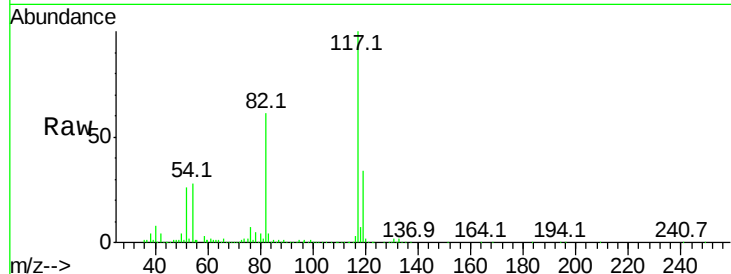
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3441027
Ion Ratio Lower Upper
117 100
82 62.5 52.6 79.0
119 29.5 46.6 70.0#

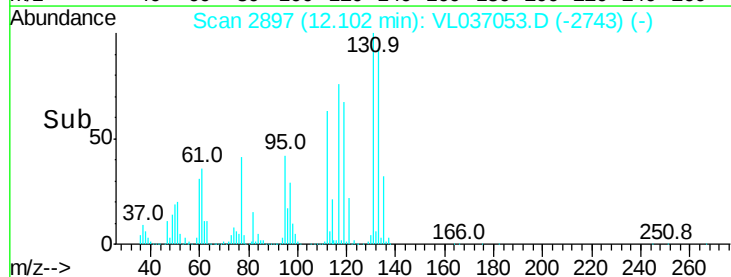
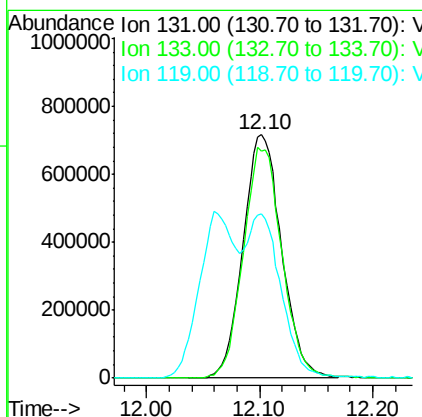
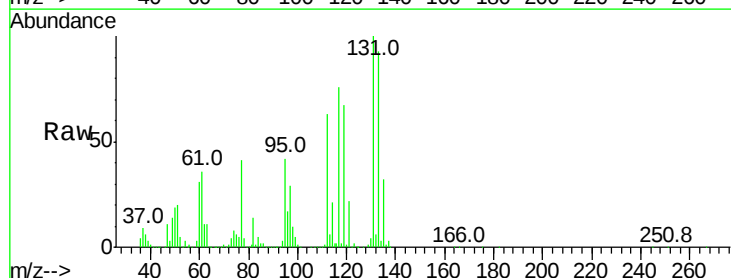
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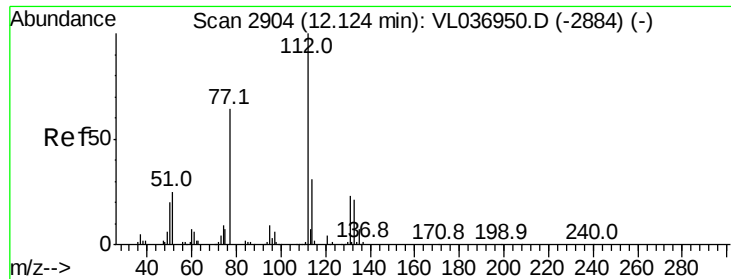
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.723 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion:131 Resp: 1697389
Ion Ratio Lower Upper
131 100
133 95.4 76.9 115.3
119 66.2 120.2 180.4#





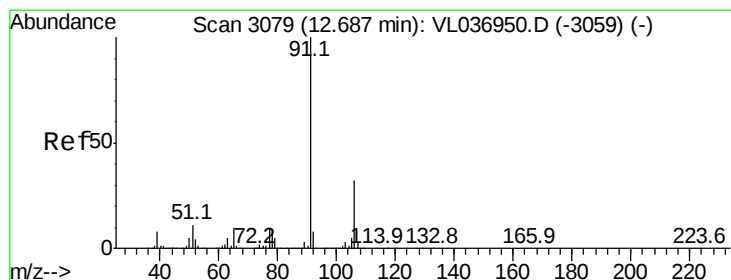
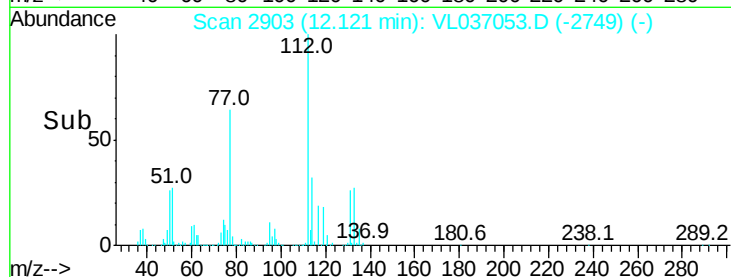
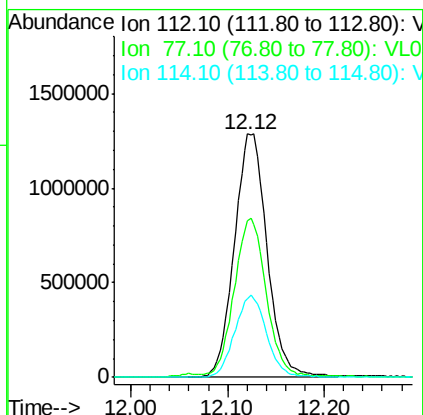
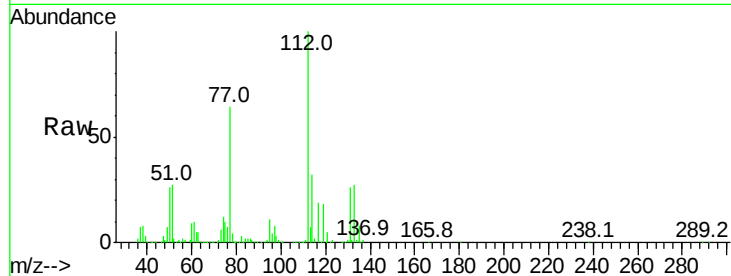
#57
Chlorobenzene
Concen: 11.356 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 3029816
Ion Ratio Lower Upper
112 100
77 63.6 51.0 76.6
114 32.4 28.3 34.5

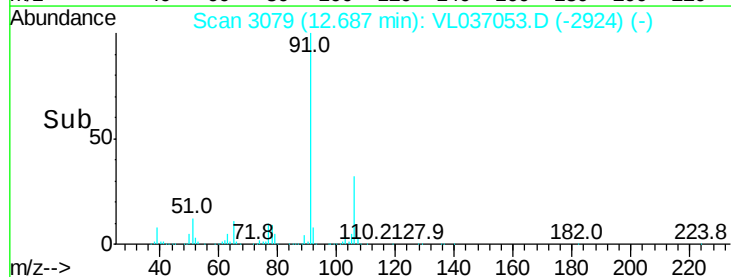
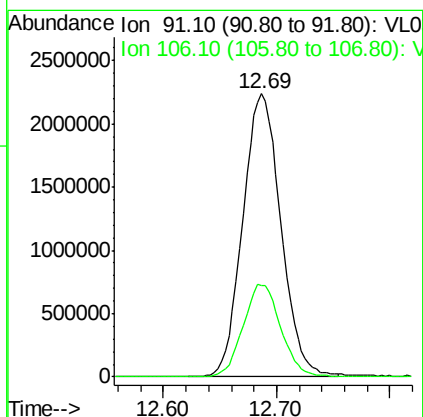
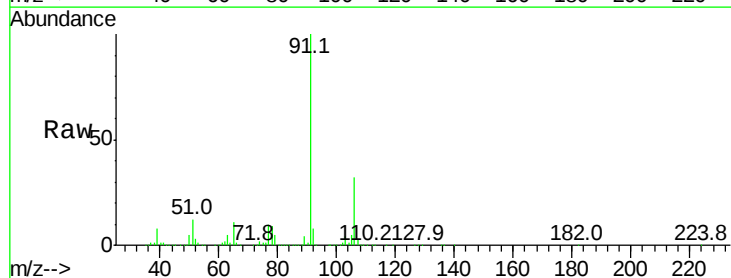
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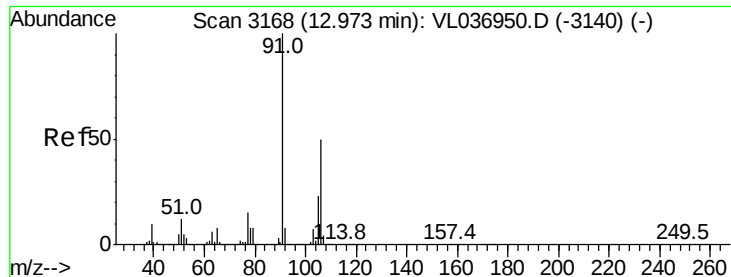
MMDadoda
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#58
Ethyl Benzene
Concen: 10.790 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 5240535
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4





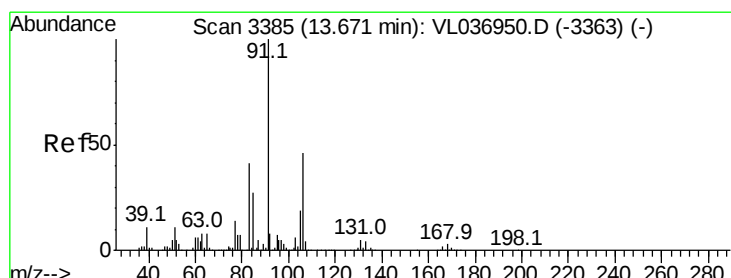
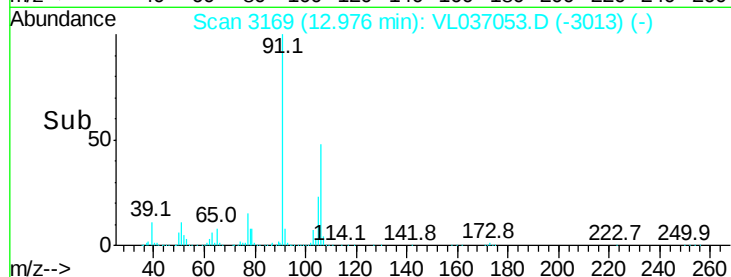
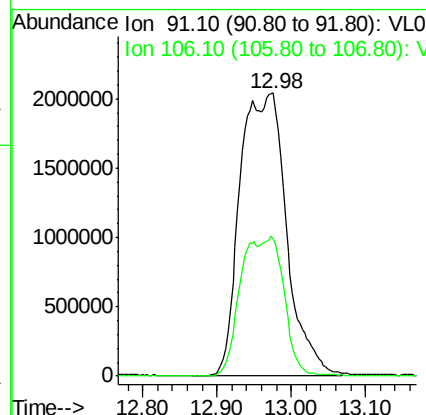
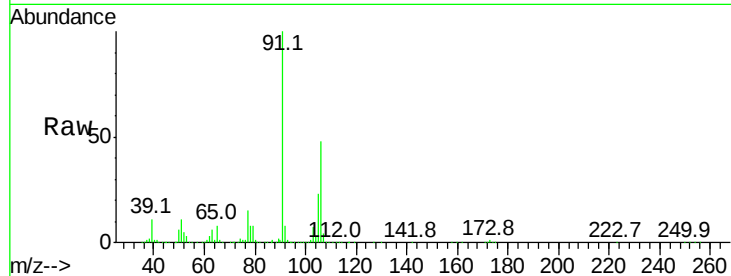
#59
m/p-Xylene
Concen: 22.131 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 8884413
Ion Ratio Lower Upper
91 100
106 45.8 37.4 56.2

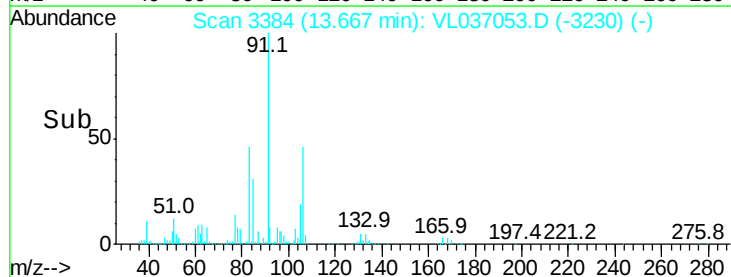
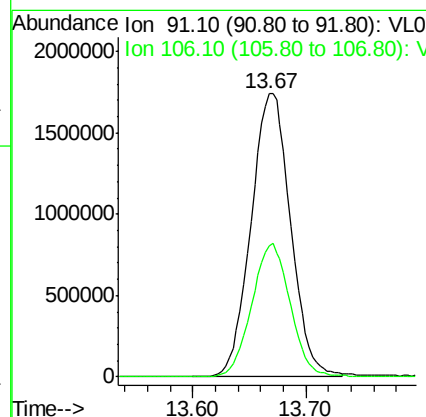
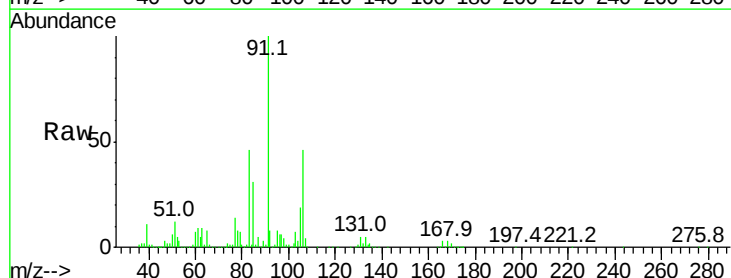
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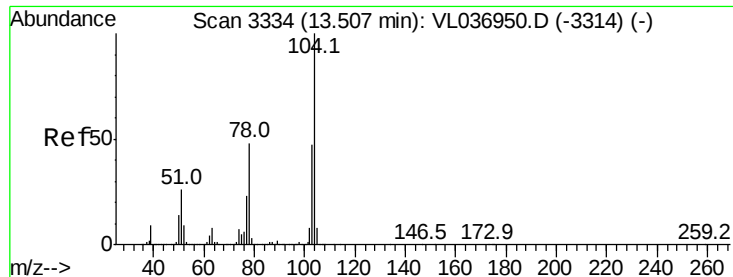
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#60
o-Xylene
Concen: 11.027 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 4222082
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





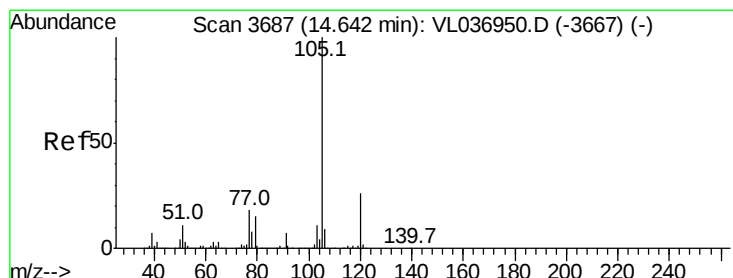
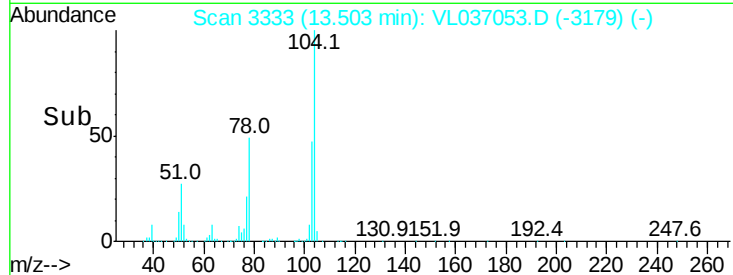
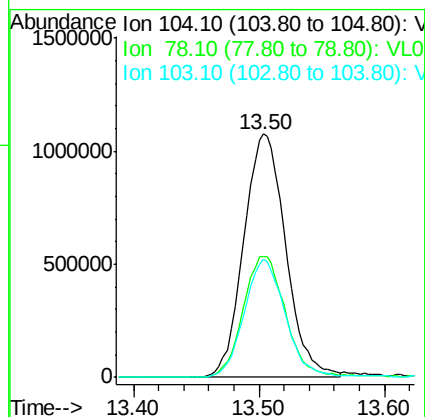
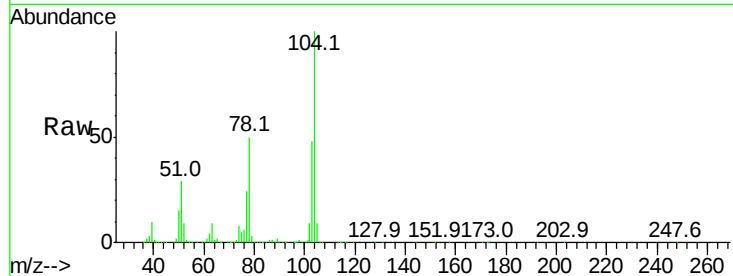
#61
Styrene
Concen: 11.560 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.0	58.6
103	48.0	38.0	57.0

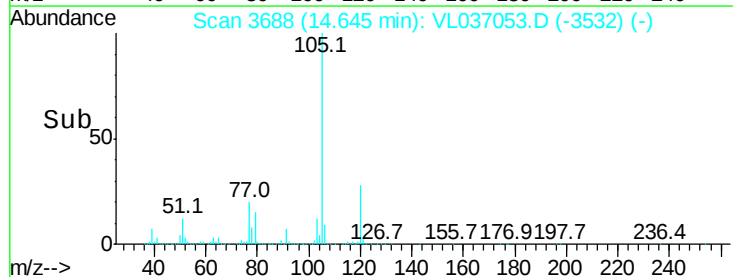
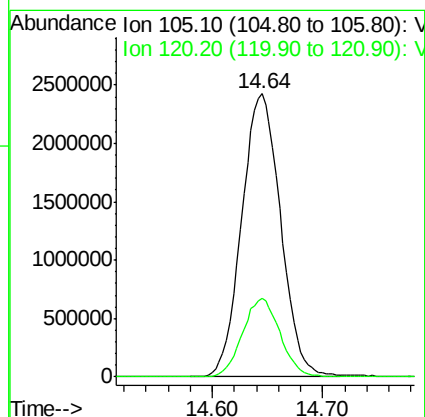
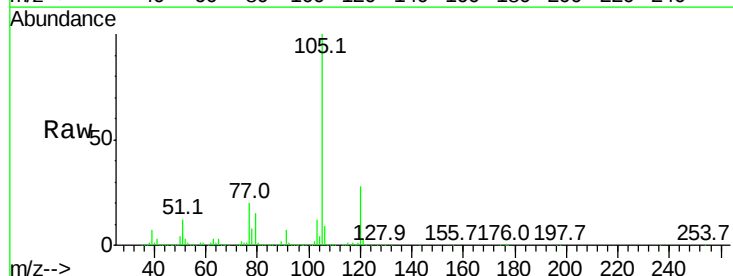
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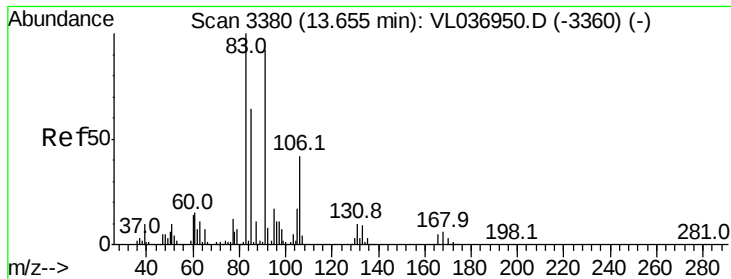
MMDadoda
5/25/2021 6:00:39 PM



#62
Isopropylbenzene
Concen: 10.772 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 10.100 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2888054

Ion Ratio Lower Upper

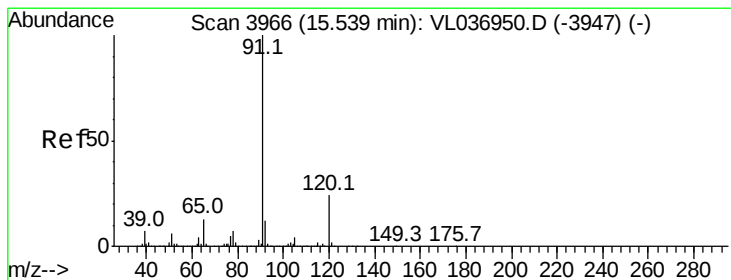
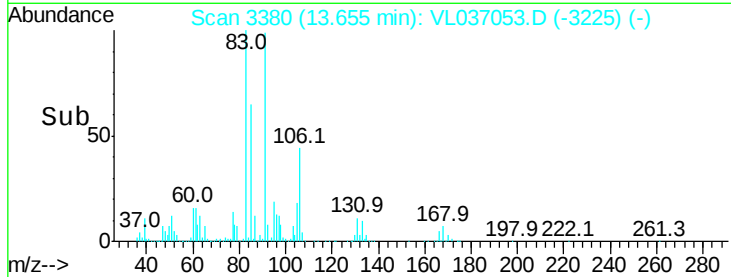
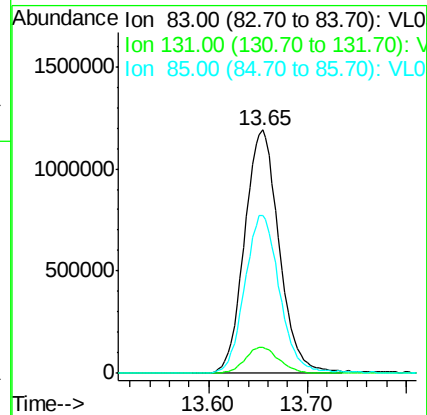
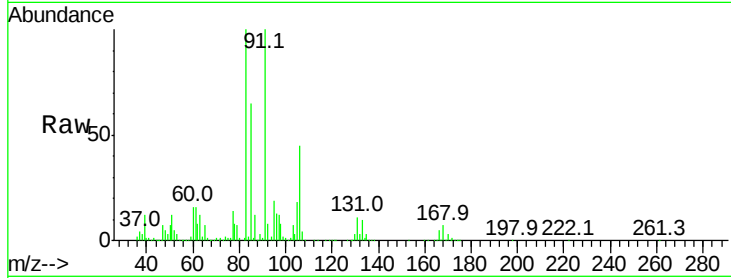
83 100

131 10.7 5.0 15.0

85 66.1 32.9 98.6

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#64

n-propylbenzene

Concen: 11.350 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037053.D

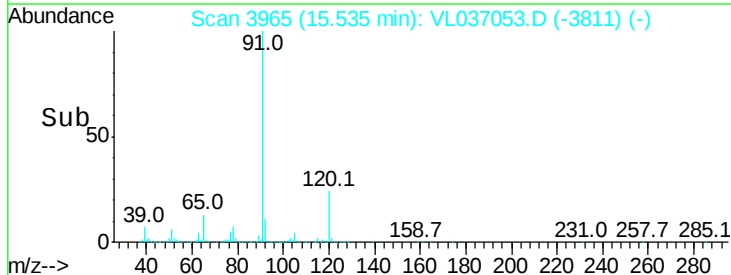
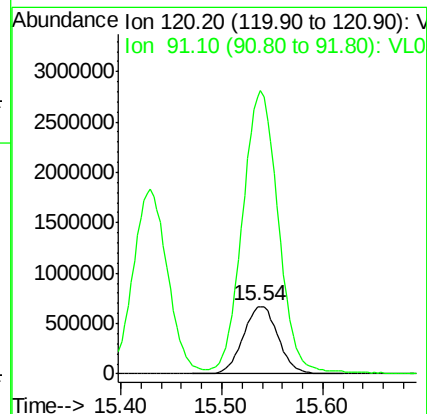
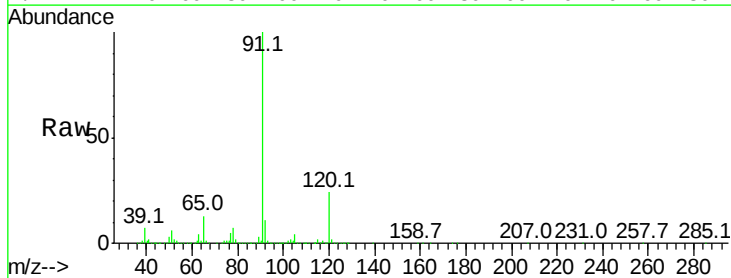
Acq: 24 May 2021 18:03

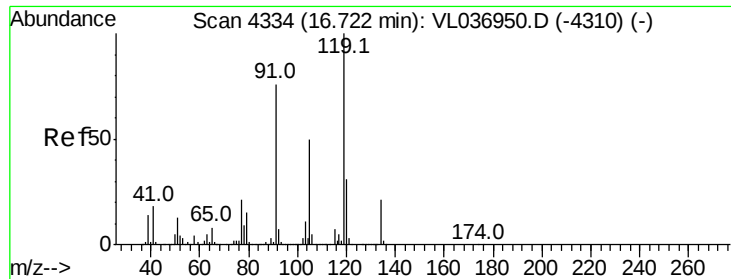
Tgt Ion: 120 Resp: 1611353

Ion Ratio Lower Upper

120 100

91 431.5 343.8 515.6





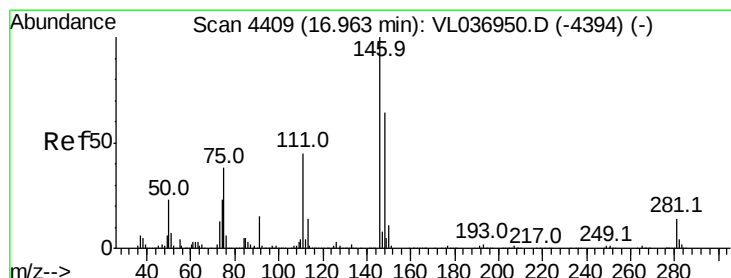
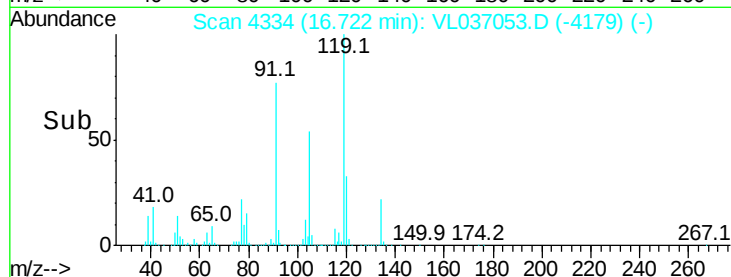
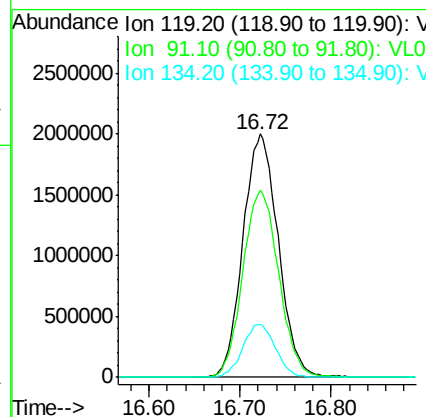
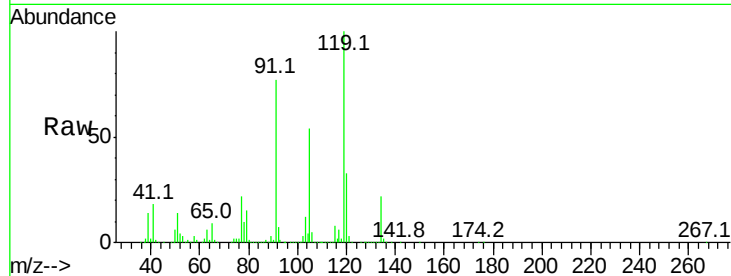
#65
 tert-Butylbenzene
 Concen: 10.861 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:119 Resp: 5392922
 Ion Ratio Lower Upper
 119 100
 91 78.6 61.9 92.9
 134 20.4 16.2 24.4

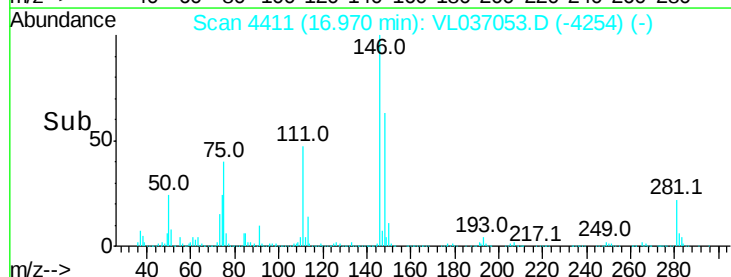
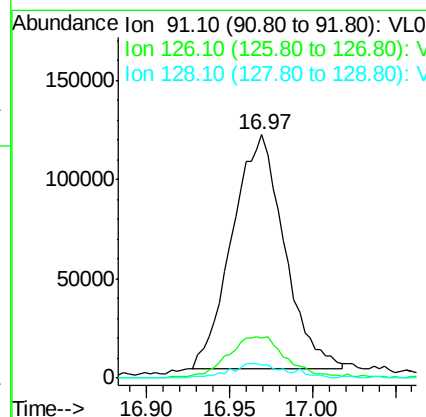
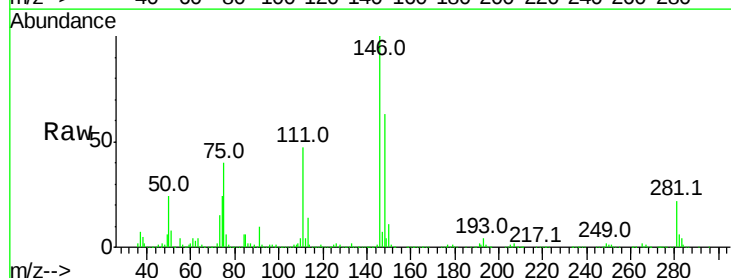
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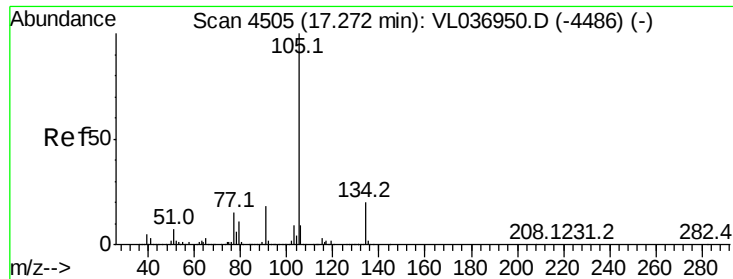
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#66
 Benzyl Chloride
 Concen: 9.363 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 257958
 Ion Ratio Lower Upper
 91 100
 126 21.1 16.5 24.7
 128 7.4 5.5 8.3





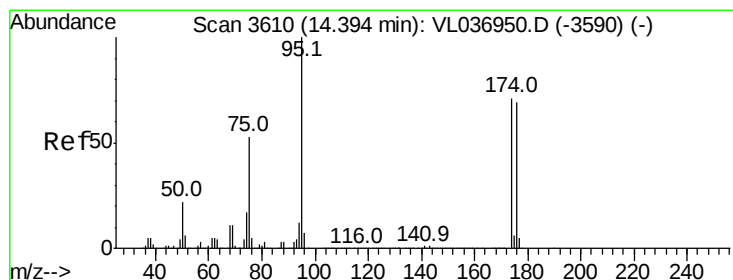
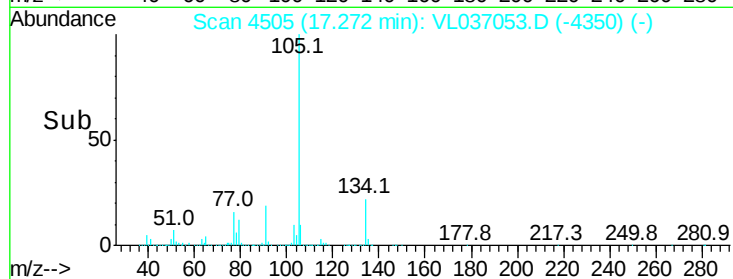
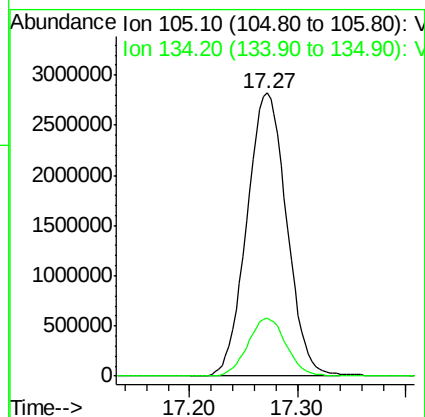
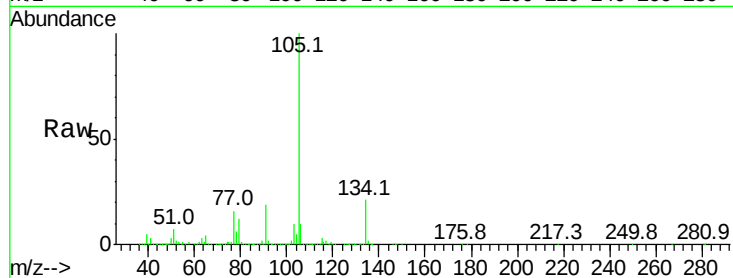
#67
 sec-Butylbenzene
 Concen: 10.667 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 7225043
 Ion Ratio Lower Upper
 105 100
 134 20.0 15.6 23.4

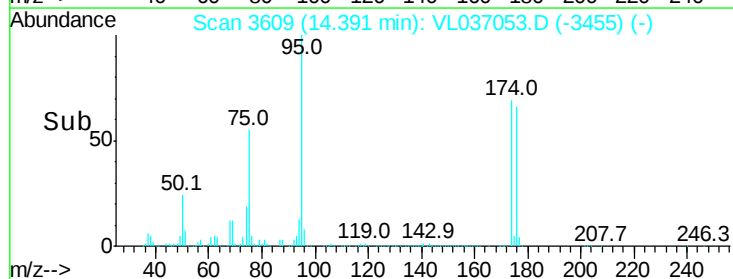
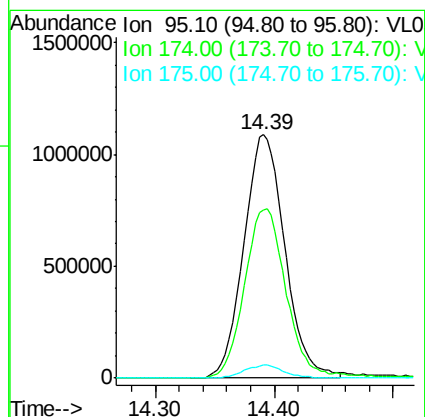
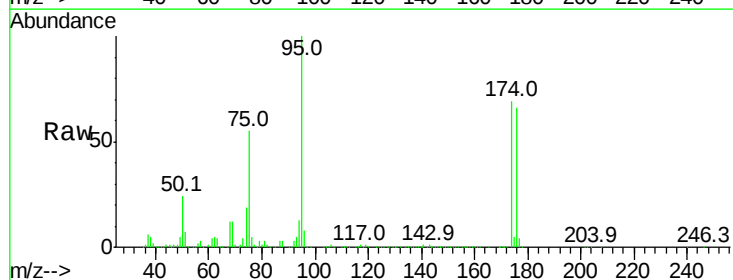
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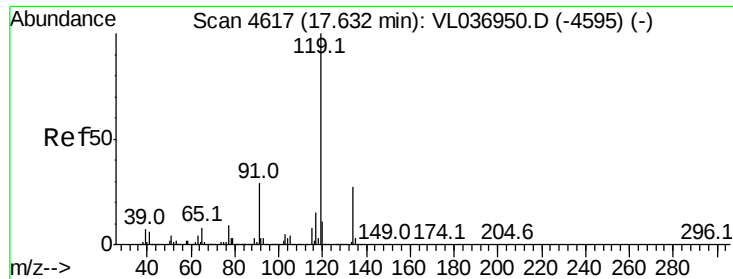
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.047 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 95 Resp: 2597132
 Ion Ratio Lower Upper
 95 100
 174 71.3 58.4 87.6
 175 5.3 4.4 6.6





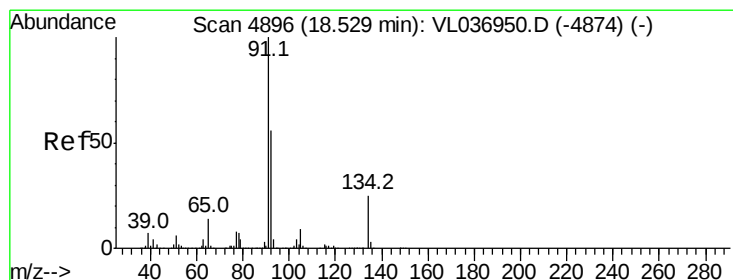
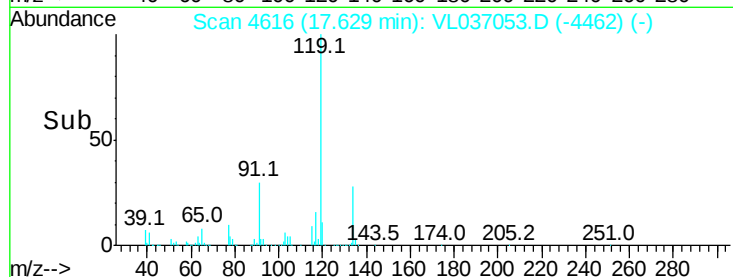
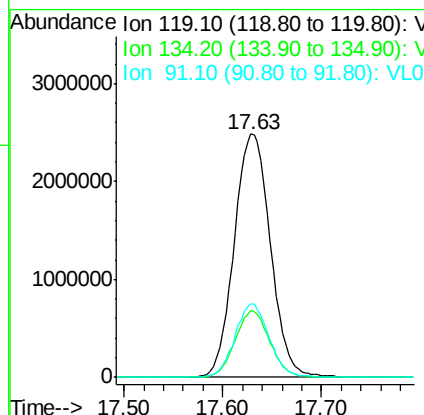
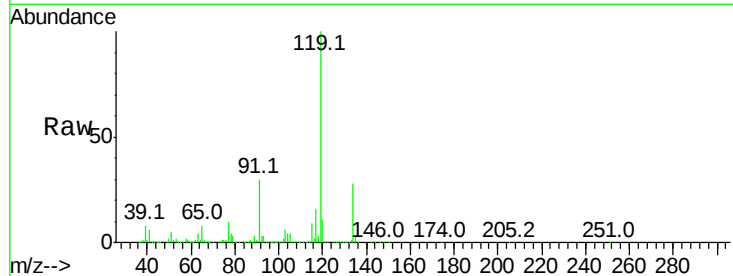
#69
p-Isopropyltoluene
Concen: 10.876 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.2	31.8
91	28.7	22.2	33.4

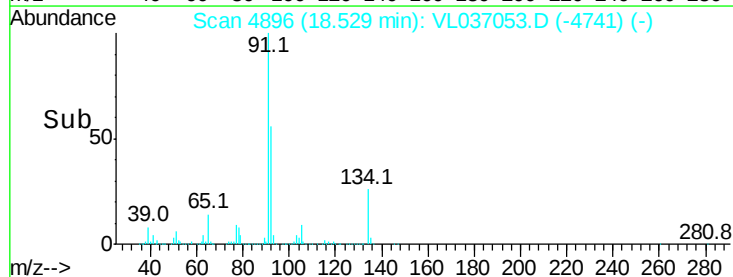
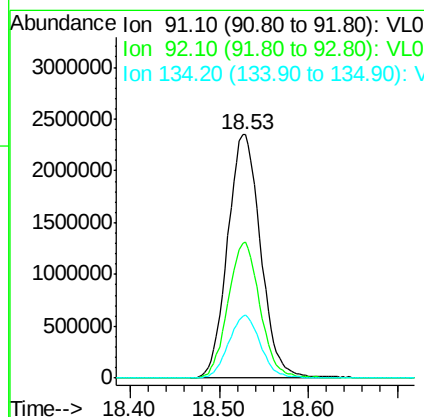
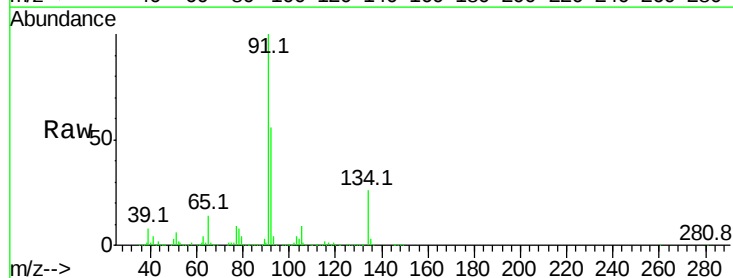
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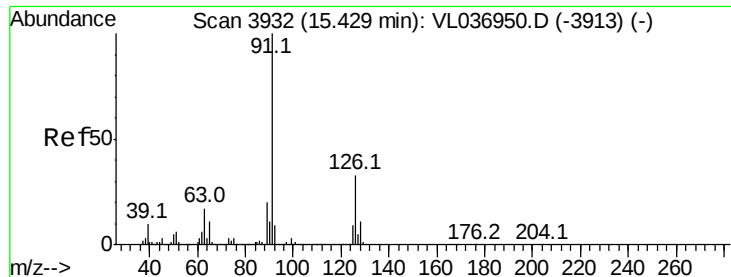
MMDadoda
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#70
n-Butylbenzene
Concen: 10.888 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.6	66.8
134	25.1	20.2	30.2





#71

2-Chlorotoluene

Concen: 11.034 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 4385340

Ion Ratio Lower Upper

91 100

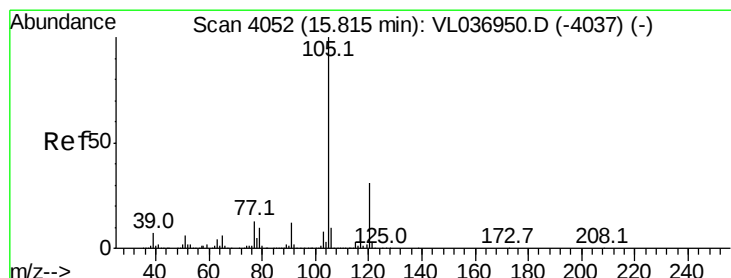
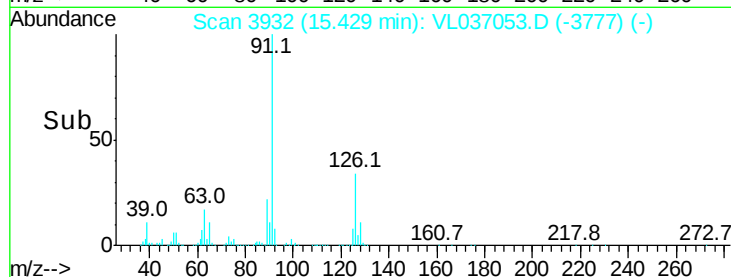
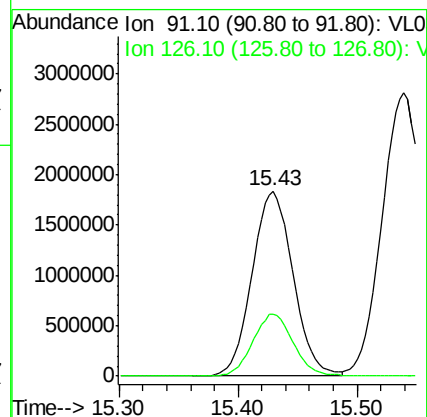
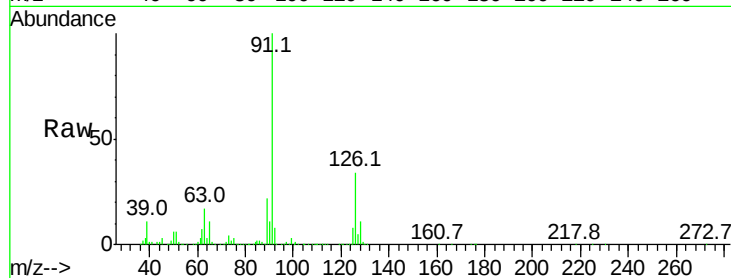
126 33.7 13.1 52.5

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#72

4-Ethyltoluene

Concen: 11.491 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion: 105 Resp: 5221726

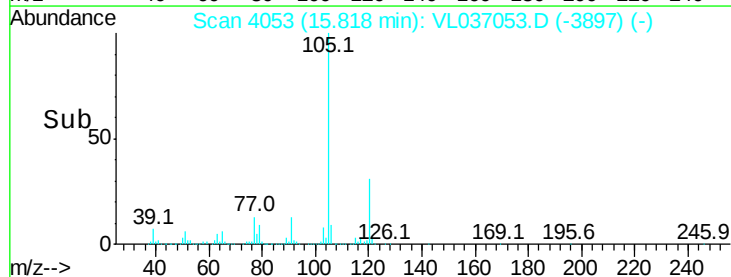
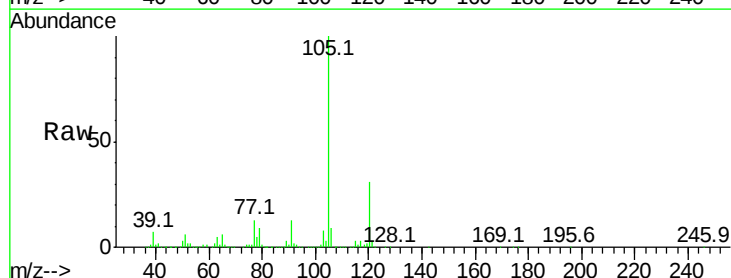
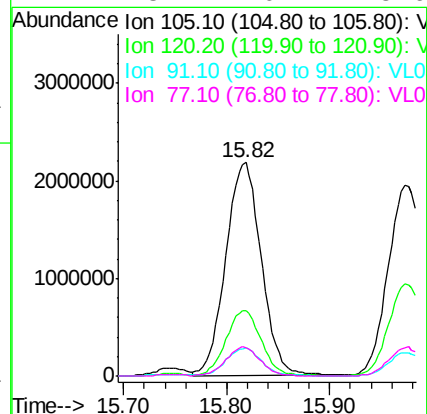
Ion Ratio Lower Upper

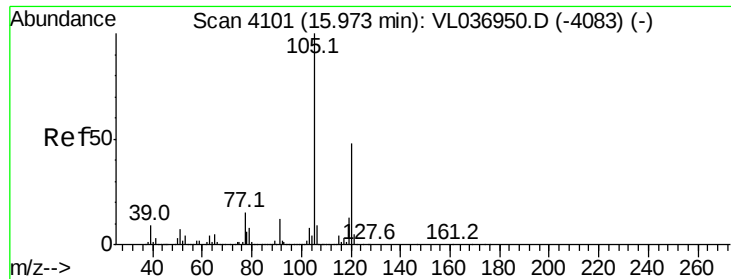
105 100

120 30.7 24.6 37.0

91 12.9 9.8 14.6

77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 11.056 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 4717950

Ion Ratio Lower Upper

105 100

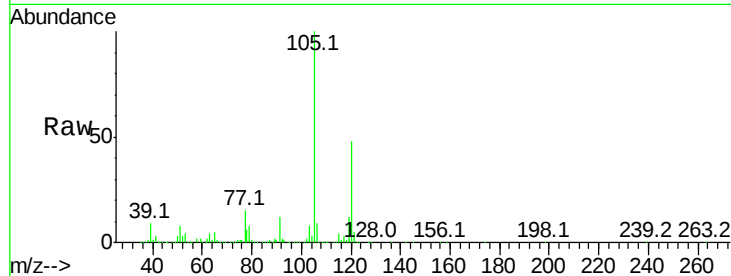
120 48.1 38.6 58.0

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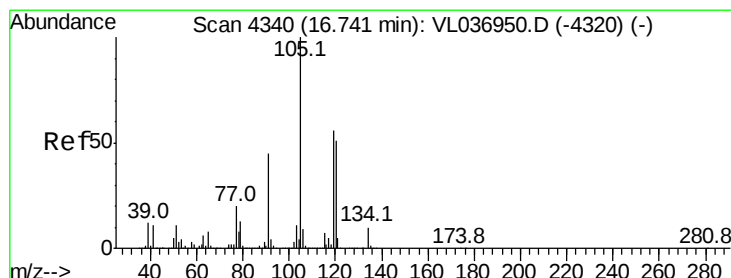
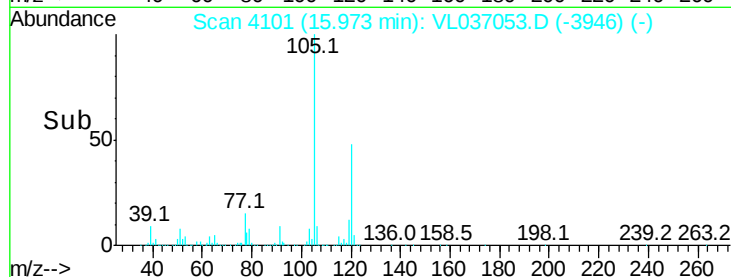
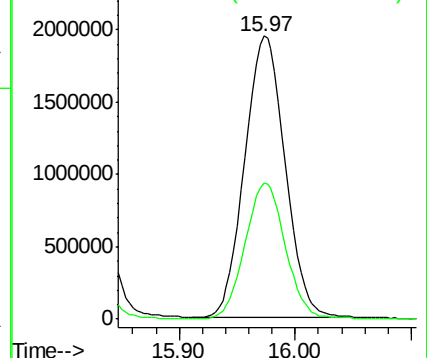
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.168 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion:105 Resp: 4927497

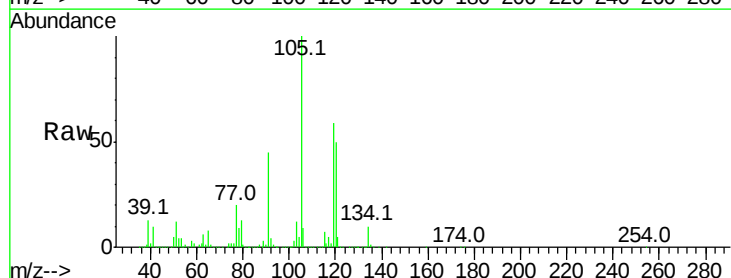
Ion Ratio Lower Upper

105 100

120 50.3 40.6 61.0

91 44.5 37.4 56.0

77 20.0 16.2 24.4

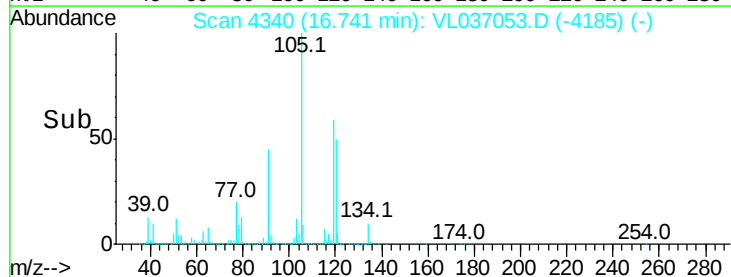
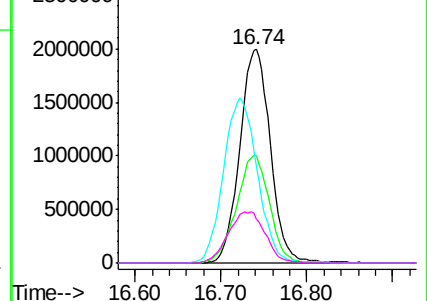


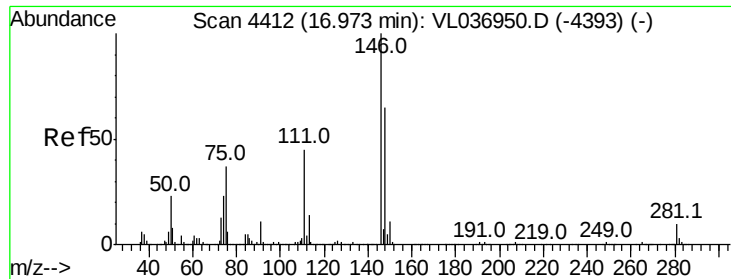
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





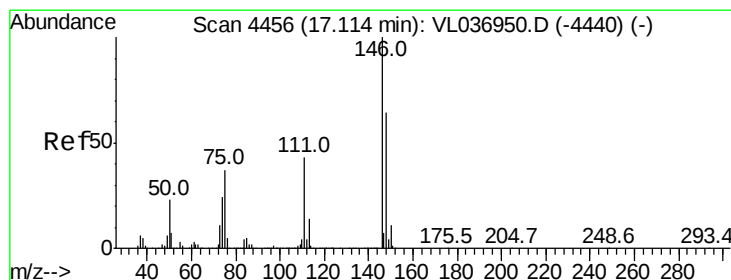
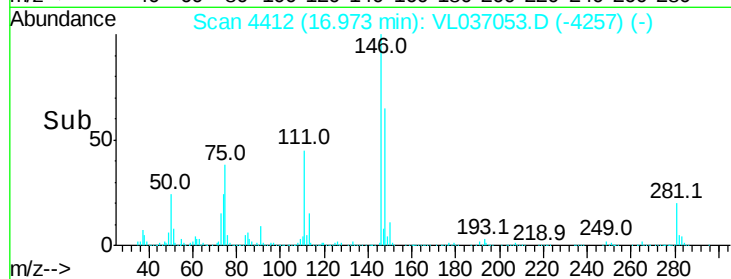
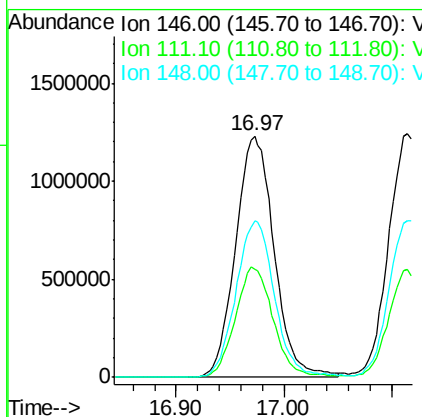
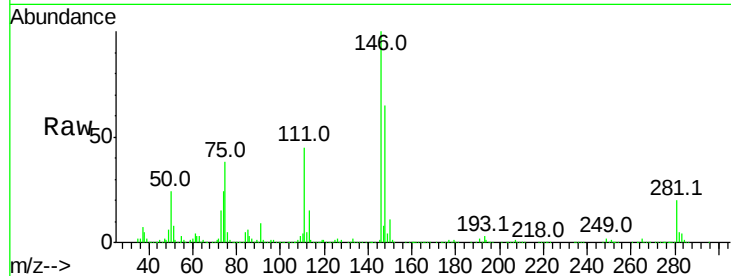
#75
 1,3-Dichlorobenzene
 Concen: 11.348 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 3057513
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.2 66.6
 148 64.7 32.3 96.8

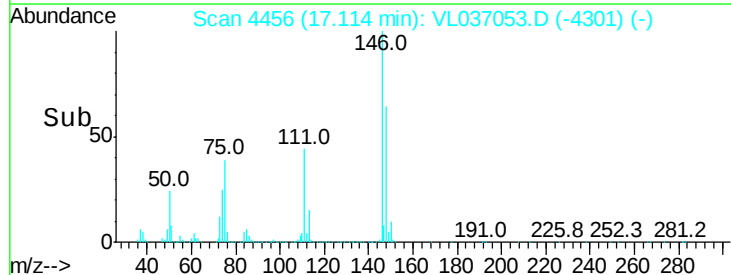
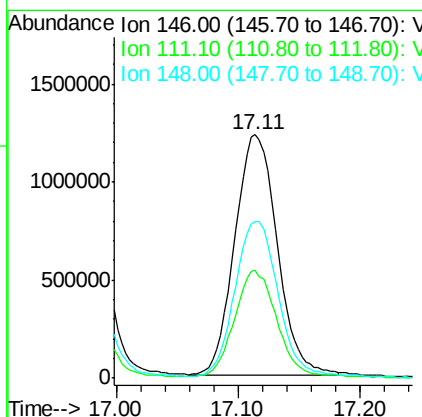
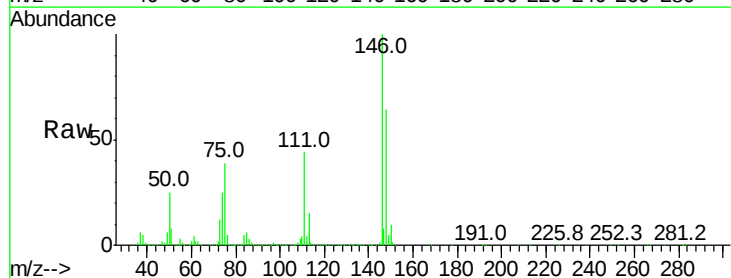
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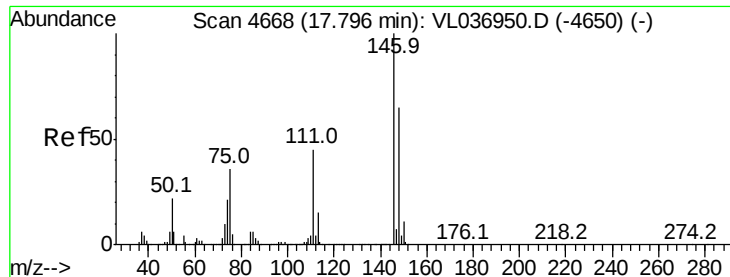
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#76
 1,4-Dichlorobenzene
 Concen: 10.860 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion:146 Resp: 2958502
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.6 67.7
 148 67.3 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 11.015 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 2973748

Ion Ratio Lower Upper

146 100

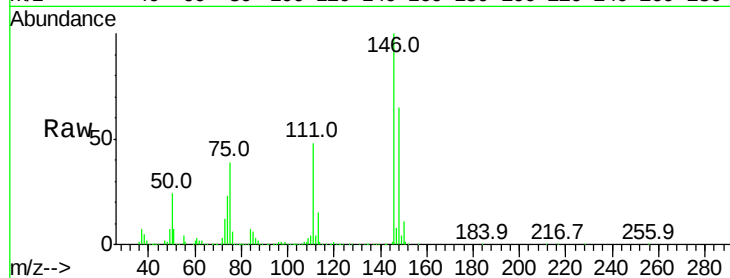
111 46.4 23.1 69.2

148 64.8 32.5 97.4

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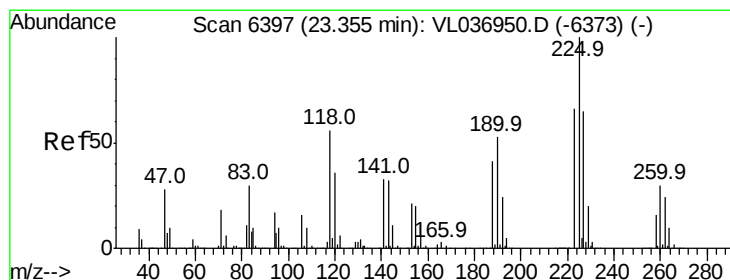
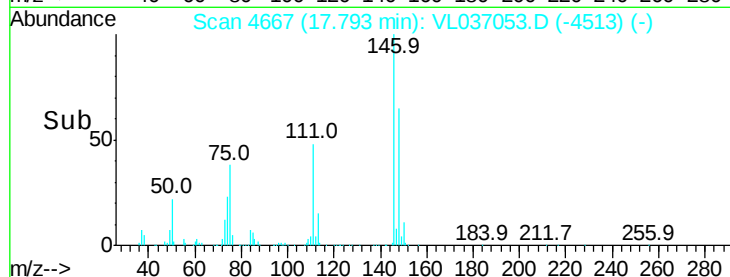
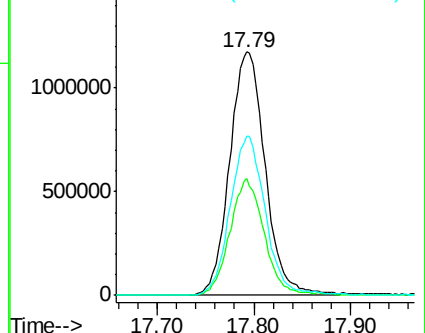
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.676 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

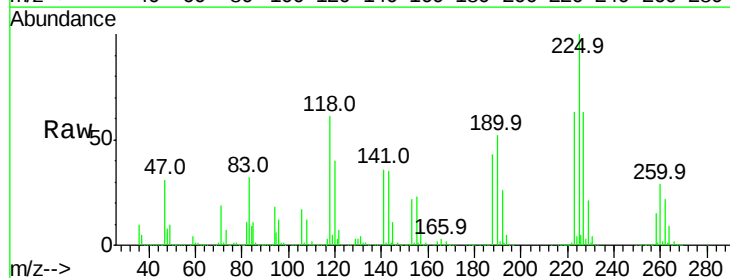
Tgt Ion:225 Resp: 2100512

Ion Ratio Lower Upper

225 100

223 64.1 51.9 77.9

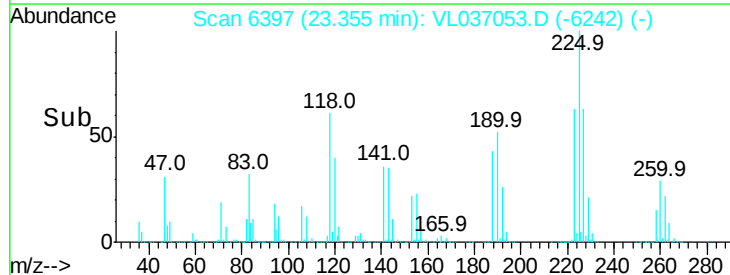
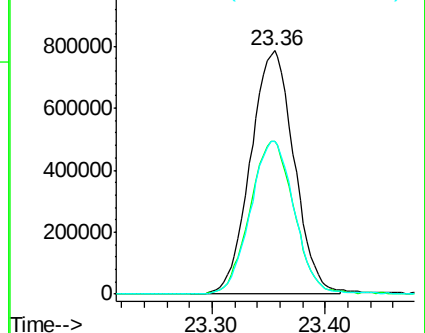
227 63.5 51.8 77.6

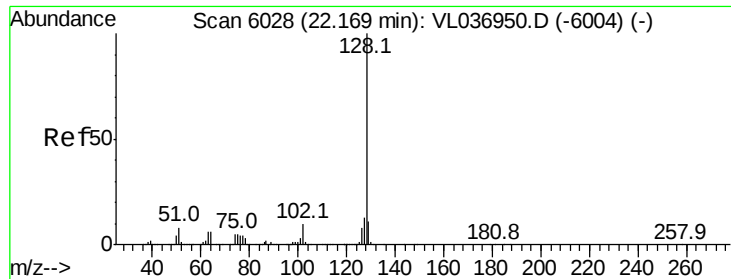


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





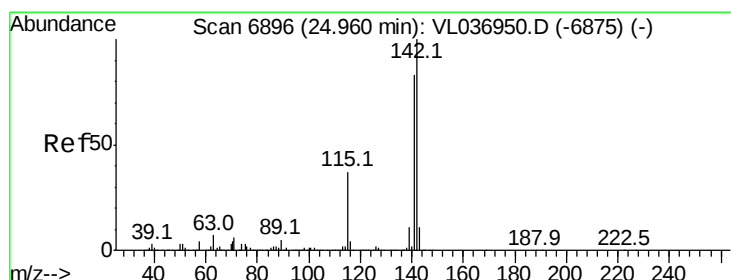
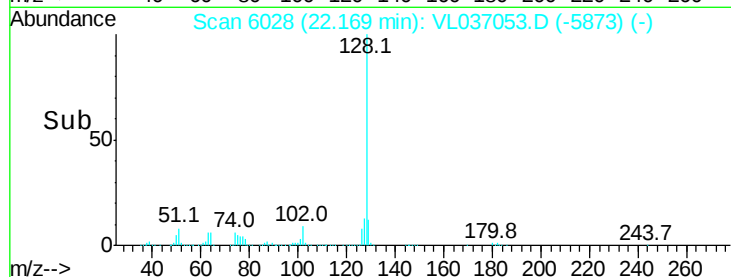
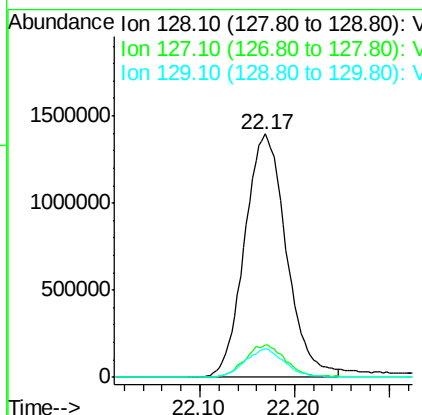
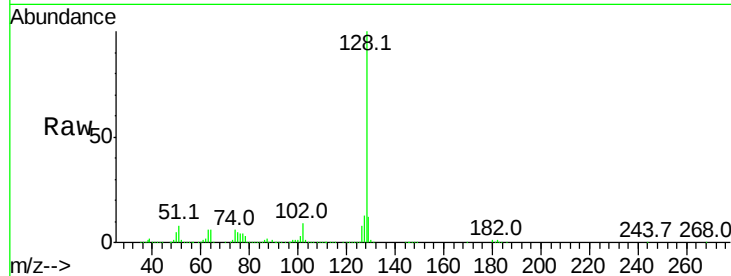
#79
Naphthalene
Concen: 12.367 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 4281519
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.7 9.0 13.6

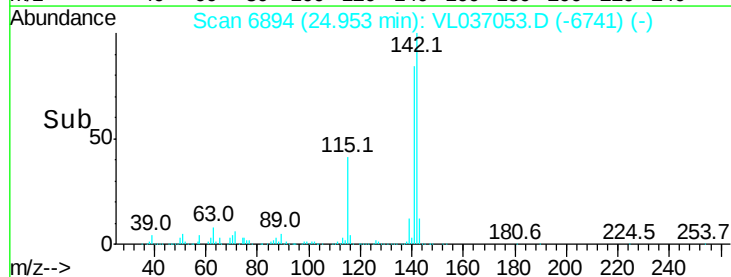
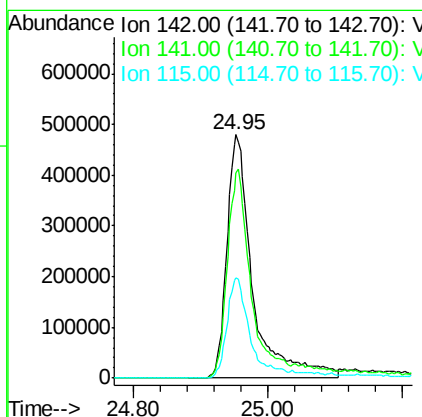
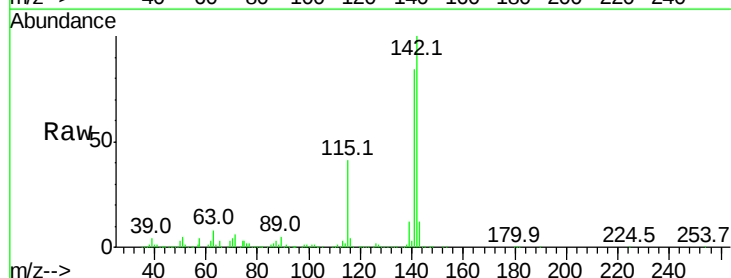
Manual Integrations
APPROVED

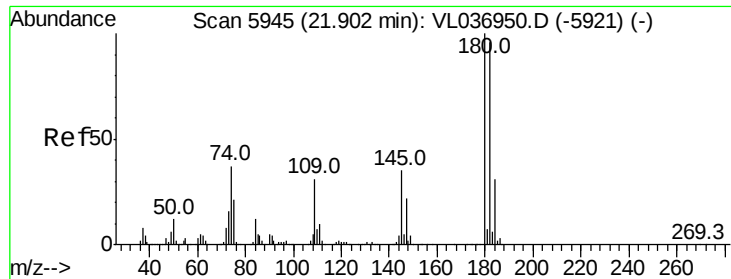
MMDadoda
5/25/2021 6:00:39 PM



#80
Naphthalene, 2-methyl-
Concen: 17.048 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion:142 Resp: 1283427
Ion Ratio Lower Upper
142 100
141 84.4 69.3 103.9
115 40.3 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.537 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	81.7	122.5
184	30.8	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 6:00:39 PM

