

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037124.D
 Acq On : 3 Jun 2021 8:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:01:38 PM

Quant Time: Jun 04 06:51:55 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	5.66	49	1429646	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4302576	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4075341m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3133471	10.24	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2147528	8.855	ppbv	100
3) Chlorodifluoromethane	2.98	51	2649471	10.116	ppbv	96
4) Chloromethane	3.13	50	911406	10.226	ppbv	98
5) Vinyl Chloride	3.25	62	995807	10.222	ppbv	97
6) Bromomethane	3.47	94	595754	11.605	ppbv	95
7) Chloroethane	3.55	64	356796	11.279	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2426256	10.655	ppbv	96
9) Propene	3.00	41	853377	9.099	ppbv	99
10) Heptane	8.11	43	2202222	9.422	ppbv	100
11) Trichlorofluoromethane	3.94	101	2619518	11.669	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1821500	11.391	ppbv	97
13) Ethanol	3.60	45	110718	8.848	ppbv	93
14) Bromoethene	3.73	108	773483	10.982	ppbv	98
15) Acetone	3.84	43	1323825	9.040	ppbv	98
16) 1,3-Butadiene	3.32	39	951526	10.459	ppbv	99
17) tert-Butyl alcohol	4.28	59	1559508	11.627	ppbv	99
18) 1,1-Dichloroethene	4.28	96	833534	11.273	ppbv	96
19) Isopropyl Alcohol	3.96	45	970429	12.328	ppbv	# 35
20) Methylene Chloride	4.34	84	673571	8.581	ppbv	98
21) Allyl Chloride	4.40	41	1152007	10.428	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	813199	11.476	ppbv	100
23) Vinyl Acetate	5.07	43	2271100	9.771	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1822404	10.893	ppbv	100
25) Ethyl Acetate	5.67	43	3422081	9.725	ppbv	100
26) Hexane	5.68	57	1623452	9.031	ppbv	96
27) Carbon Disulfide	4.54	76	1846839	10.194	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2077365	9.641	ppbv	99
29) Chloroform	5.75	83	2707129	10.660	ppbv	98
30) Cyclohexane	7.12	84	1469780	9.622	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1679532	10.421	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2787054	10.220	ppbv	99
34) 2-Butanone	5.24	43	1619660	10.338	ppbv	100
35) Carbon Tetrachloride	7.01	117	2960027	10.354	ppbv	99
36) Benzene	6.88	78	3478081	9.385	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2060474	11.214	ppbv	99
38) Trichloroethene	7.83	130	1516511	9.565	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1331159	9.324	ppbv	95
40) 1,4-Dioxane	7.83	88	356093	10.564	ppbv	# 100
41) Tetrahydrofuran	6.04	42	814055	9.123	ppbv	99
42) Bromodichloromethane	7.78	83	2878975	10.357	ppbv	100
43) Methyl Methacrylate	8.01	69	1286682	10.073	ppbv	100

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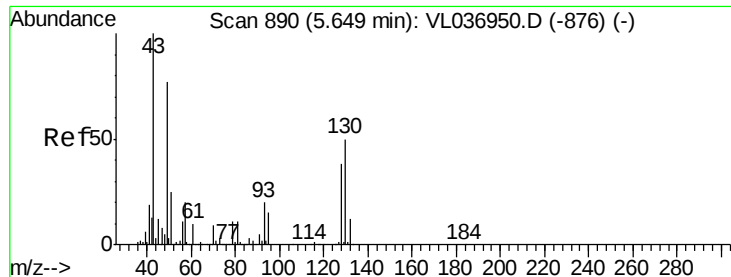
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5692013	8.952	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1226357	12.567	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1546013	11.778	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1478960	9.898	ppbv	98
48) Dibromochloromethane	10.30	129	2659761	10.993	ppbv	99
49) Bromoform	13.03	173	2182258	10.922	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2473131	9.566	ppbv	98
51) 2-Hexanone	10.13	43	1337559	9.787	ppbv #	95
52) Tetrachloroethene	11.21	164	1468034	9.961	ppbv	97
53) Toluene	9.80	91	4200631	9.526	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2230794	10.501	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1801971	10.509	ppbv #	58
57) Chlorobenzene	12.14	112	3230678	10.224	ppbv	98
58) Ethyl Benzene	12.70	91	5619001	9.769	ppbv	99
59) m/p-Xylene	12.99	91	9488277m	19.956	ppbv	
60) o-Xylene	13.68	91	4493012	9.908	ppbv	99
61) Styrene	13.52	104	2656160	10.397	ppbv	99
62) Isopropylbenzene	14.66	105	6313507	9.688	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3062469	9.043	ppbv	99
64) n-propylbenzene	15.55	120	1706953	10.152	ppbv	100
65) tert-Butylbenzene	16.74	119	5747074	9.773	ppbv	100
66) Benzyl Chloride	16.98	91	262171	8.035	ppbv	95
67) sec-Butylbenzene	17.29	105	7640645	9.524	ppbv	99
69) p-Isopropyltoluene	17.65	119	6605339	9.577	ppbv	99
70) n-Butylbenzene	18.54	91	6242023	9.526	ppbv	99
71) 2-Chlorotoluene	15.45	91	4627313	9.831	ppbv	98
72) 4-Ethyltoluene	15.83	105	5496641	10.213	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4978132	9.850	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	5205386	9.961	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	3207453	10.052	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	3144991	9.748	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	3088703	9.660	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1919309	7.465	ppbv	99
79) Naphthalene	22.19	128	3900017	9.512	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1210466	13.577	ppbv	95
81) 1,2,4-Trichlorobenzene	21.92	180	2231567	8.928	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1429646

Ion Ratio Lower Upper

49 100

128 58.9 26.9 80.7

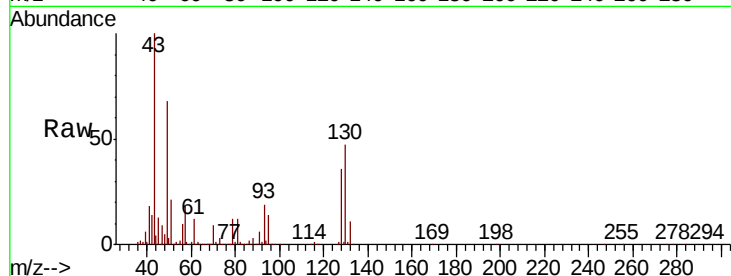
130 73.2 33.8 101.4

Manual Integrations

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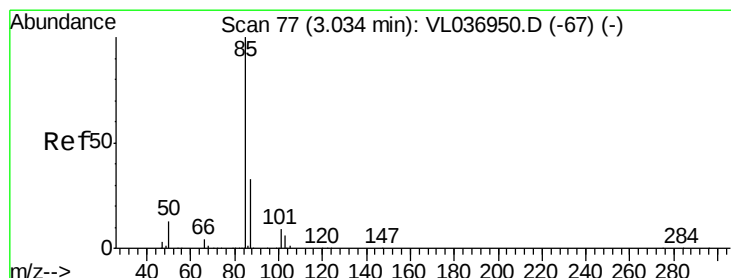
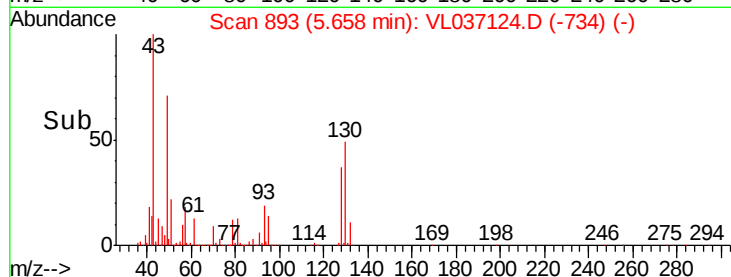
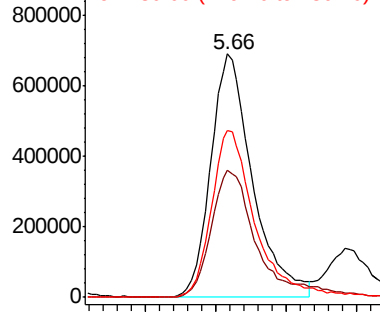
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.855 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL037124.D

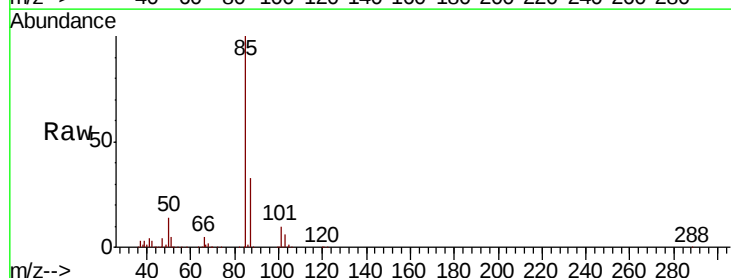
Acq: 3 Jun 2021 8:43

Tgt Ion: 85 Resp: 2147528

Ion Ratio Lower Upper

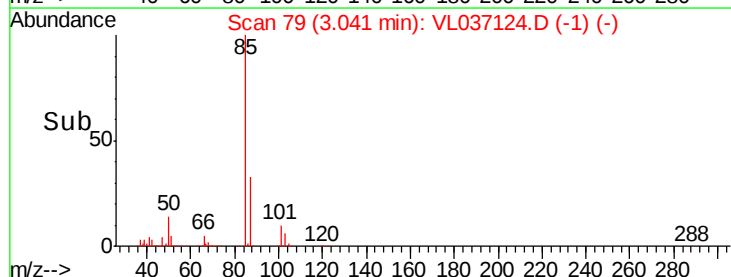
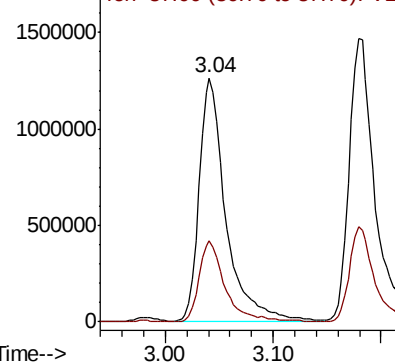
85 100

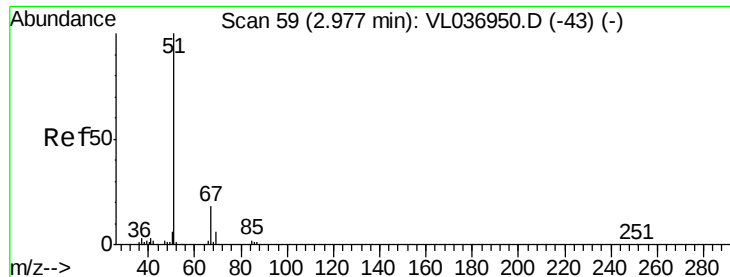
87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.116 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2649471

Ion Ratio Lower Upper

51 100

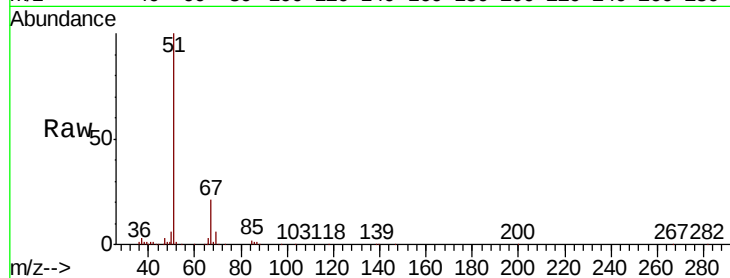
67 20.0 14.6 21.8

Manual Integrations

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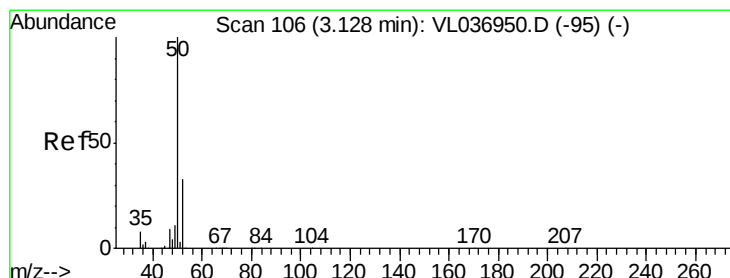
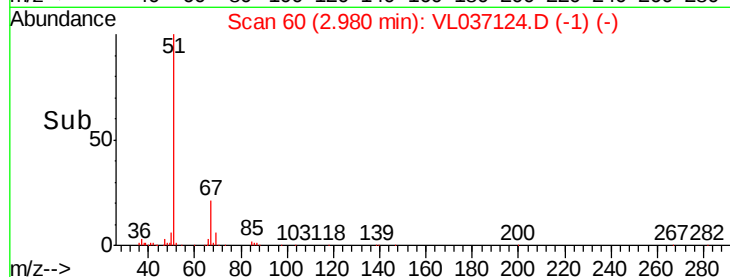
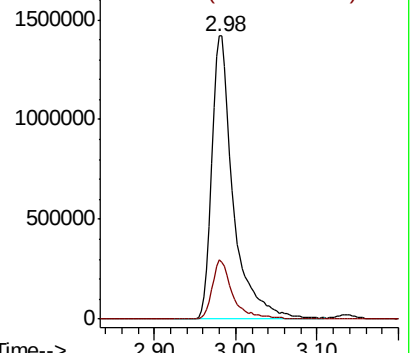
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.226 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037124.D

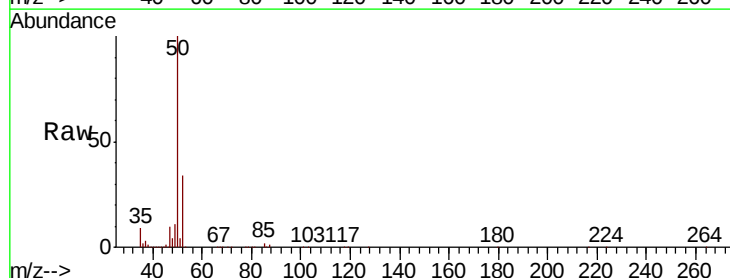
Acq: 3 Jun 2021 8:43

Tgt Ion: 50 Resp: 911406

Ion Ratio Lower Upper

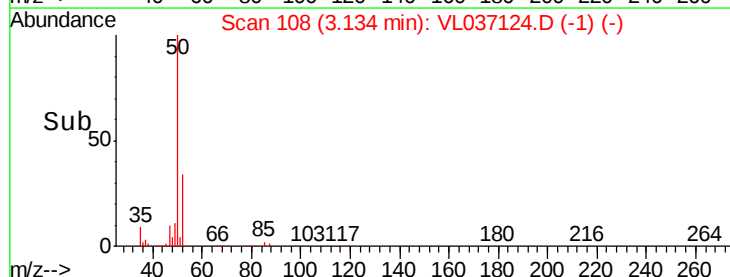
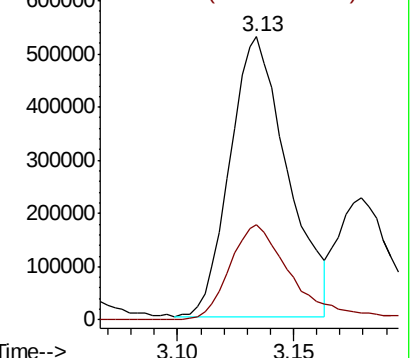
50 100

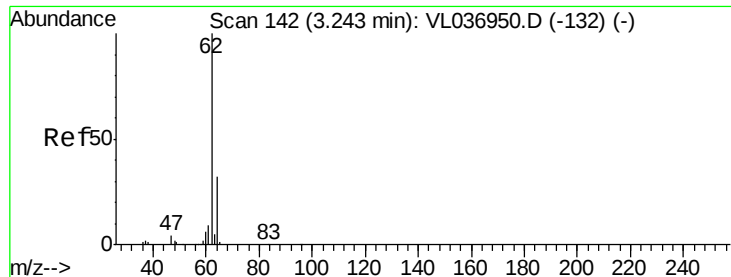
52 34.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.222 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 995807

Ion Ratio Lower Upper

62 100

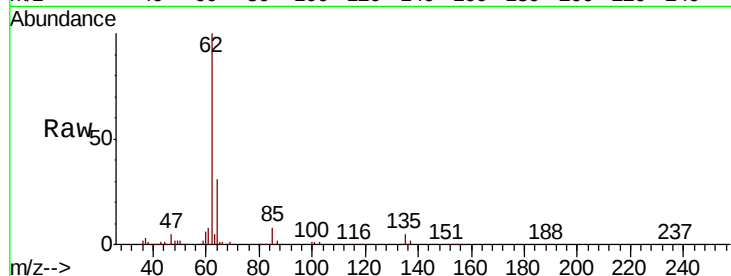
64 30.8 25.9 38.9

Manual Integrations

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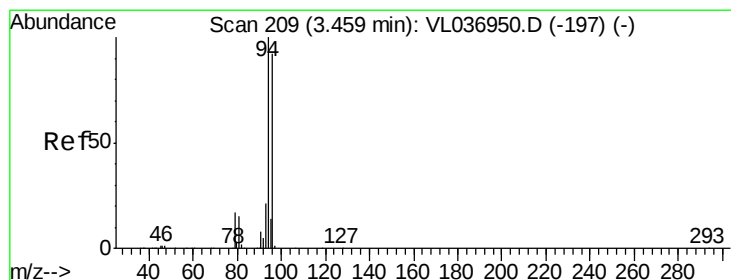
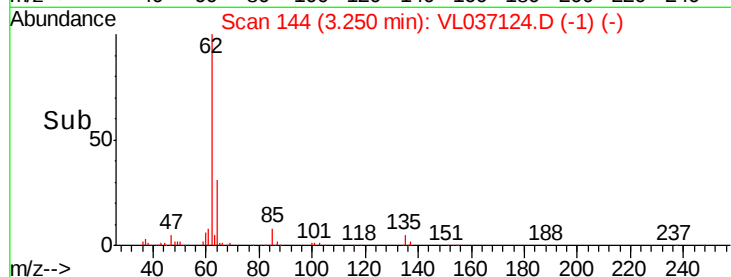
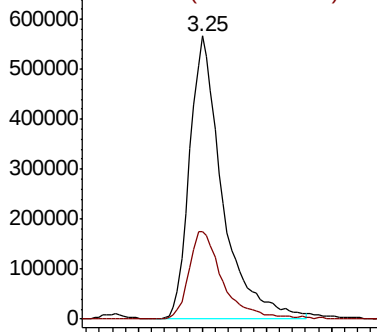
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.605 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL037124.D

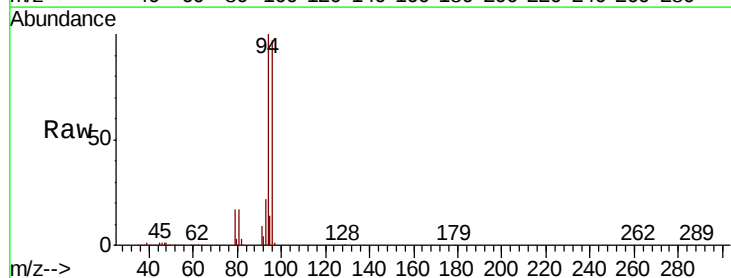
Acq: 3 Jun 2021 8:43

Tgt Ion: 94 Resp: 595754

Ion Ratio Lower Upper

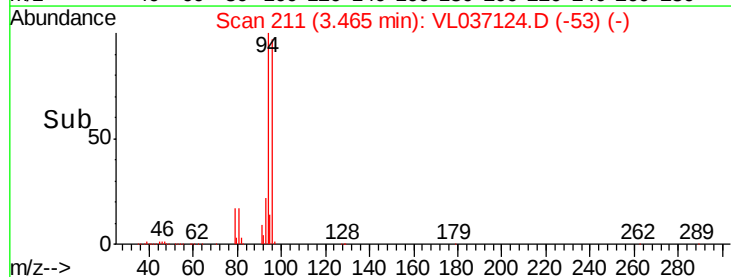
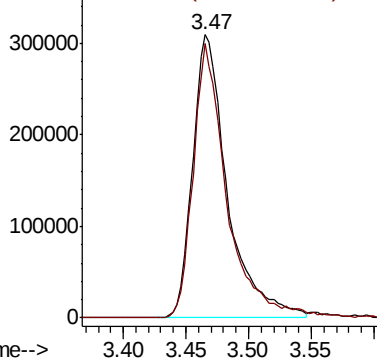
94 100

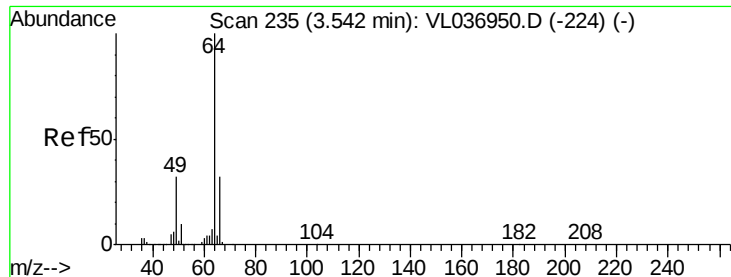
96 96.9 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.279 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 356796

Ion Ratio Lower Upper

64 100

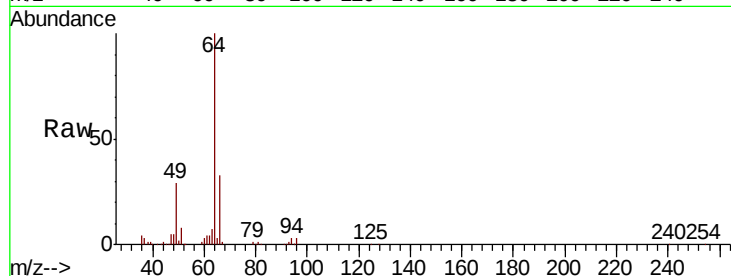
66 33.1 25.4 38.2

Manual Integrations

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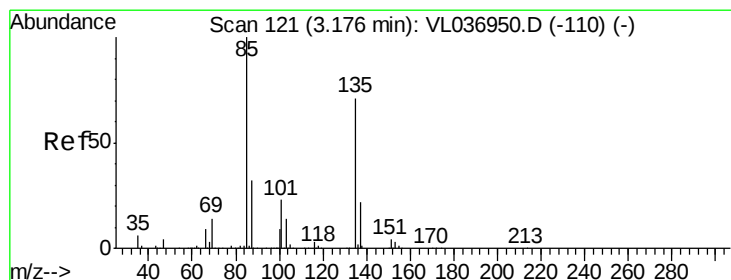
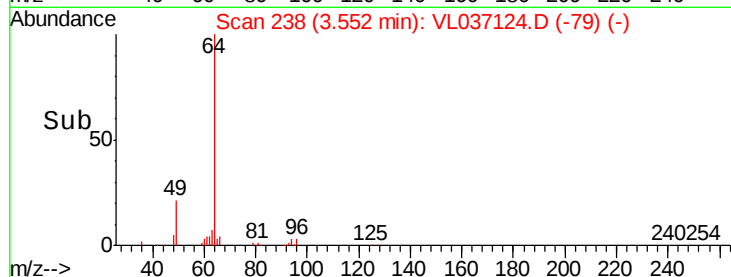
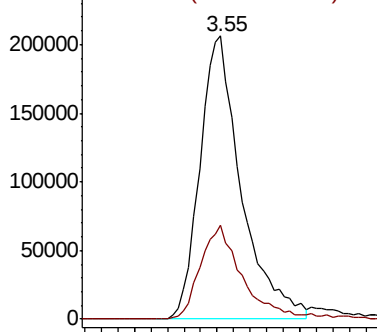
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.655 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037124.D

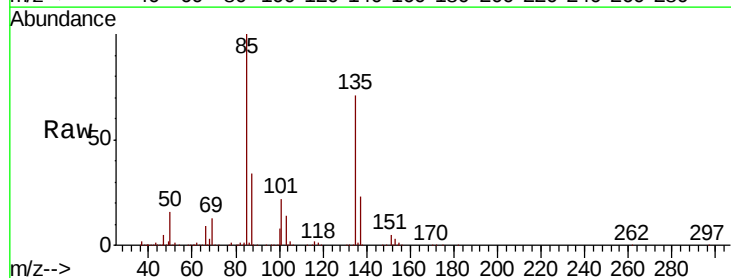
Acq: 3 Jun 2021 8:43

Tgt Ion: 85 Resp: 2426256

Ion Ratio Lower Upper

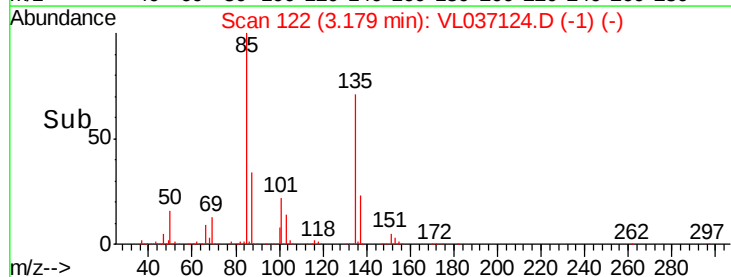
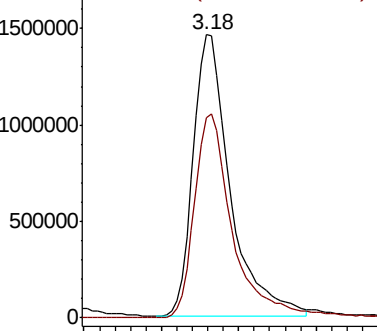
85 100

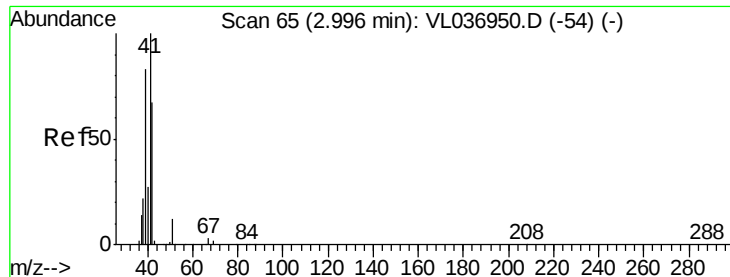
135 75.7 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.099 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 853377

Ion Ratio Lower Upper

41 100

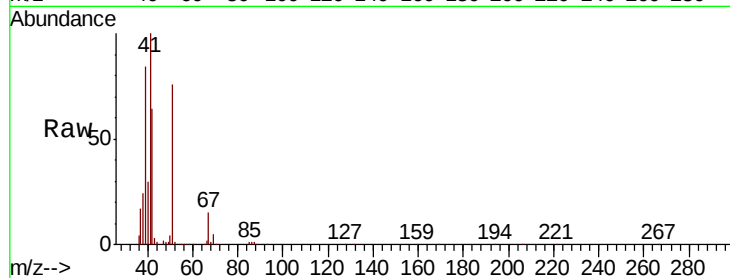
42 68.6 53.9 80.9

Manual Integrations

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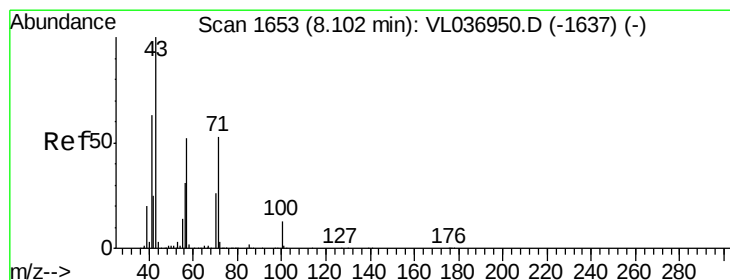
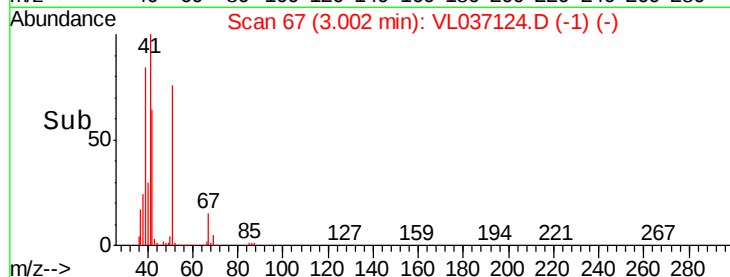
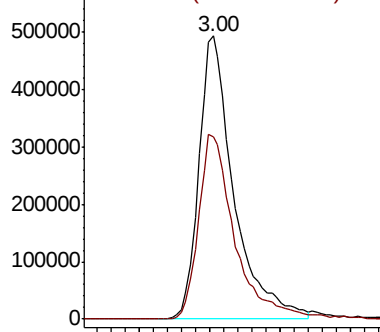
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.422 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL037124.D

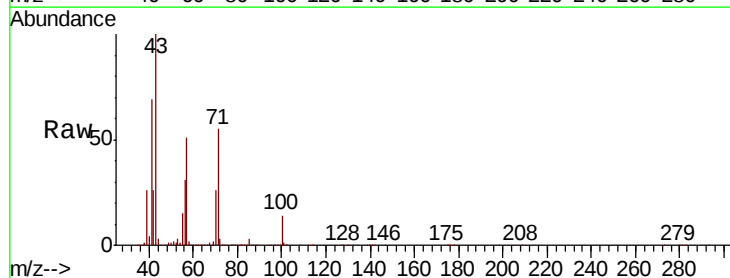
Acq: 3 Jun 2021 8:43

Tgt Ion: 43 Resp: 2202222

Ion Ratio Lower Upper

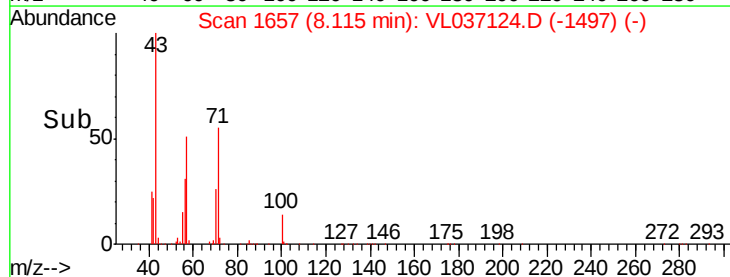
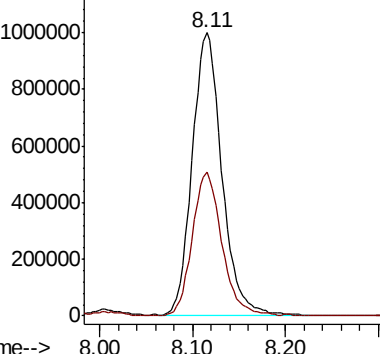
43 100

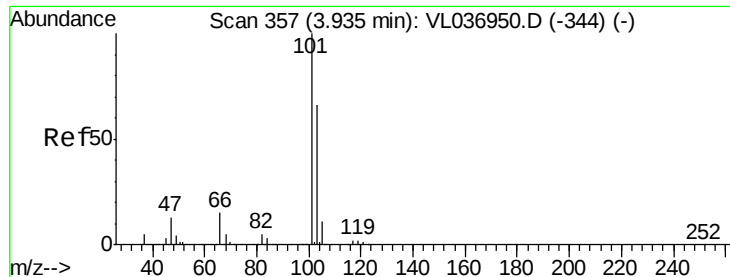
57 51.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





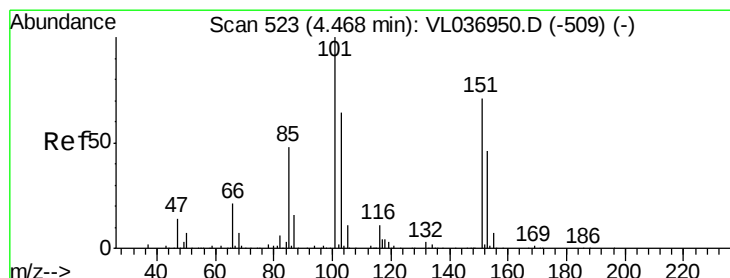
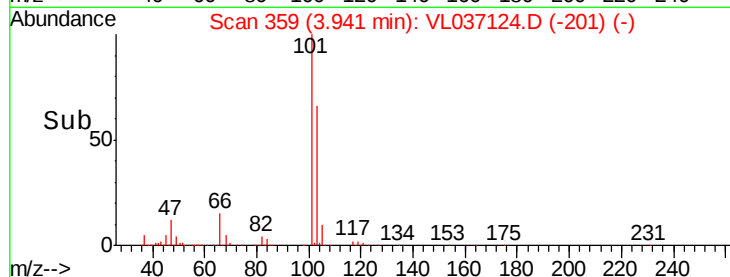
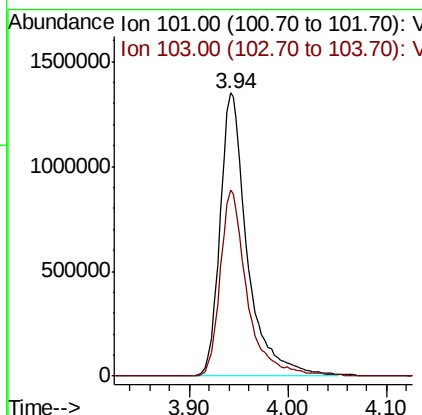
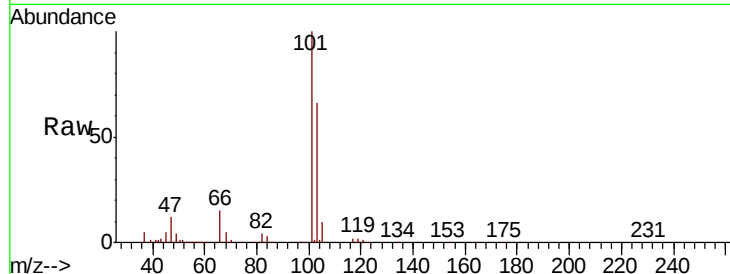
#11
 Trichlorofluoromethane
 Concen: 11.669 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2619518
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.6 79.0

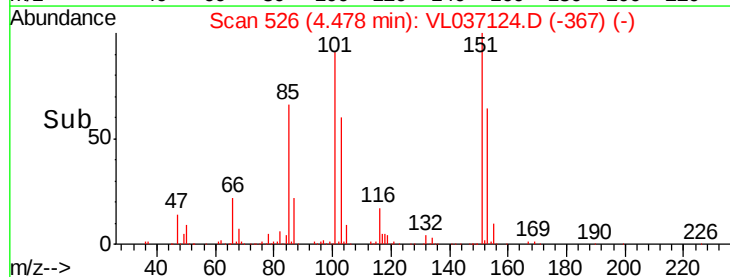
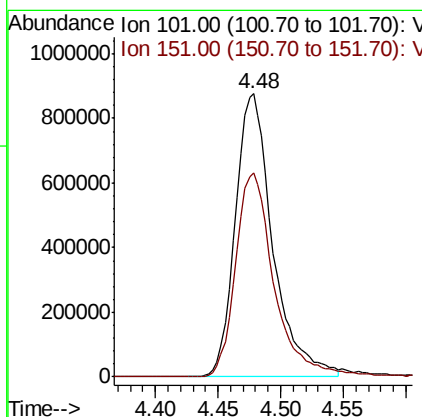
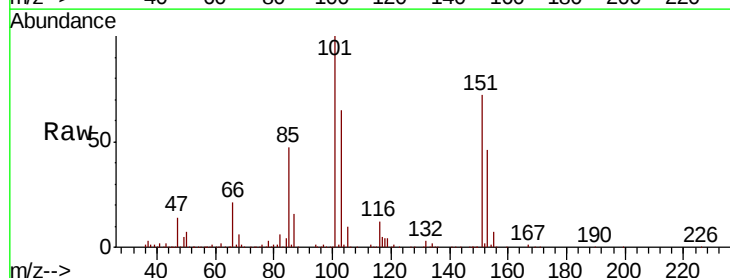
Manual Integrations
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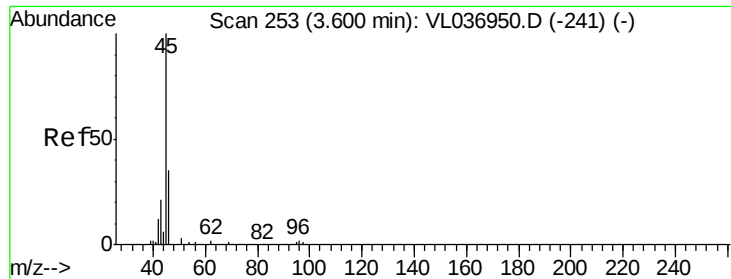
MMDadoda
 6/7/2021 3:01:38 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.391 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion:101 Resp: 1821500
 Ion Ratio Lower Upper
 101 100
 151 75.0 57.7 86.5





#13

Ethanol

Concen: 8.848 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 110718

Ion Ratio Lower Upper

45 100

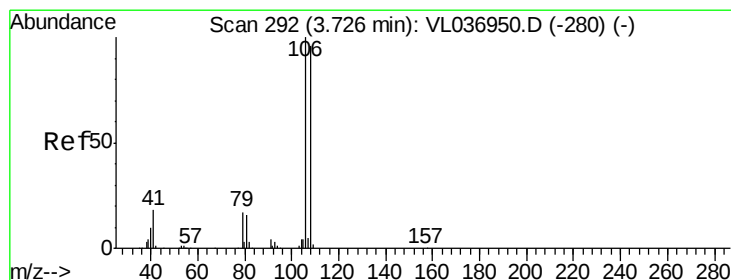
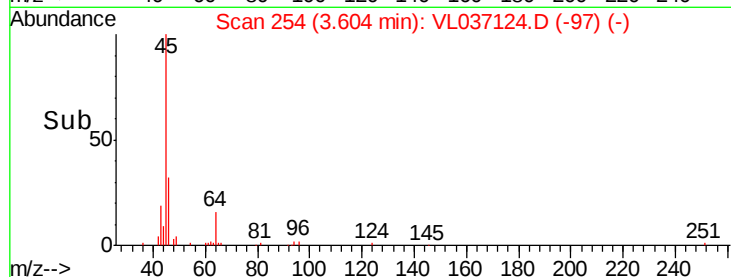
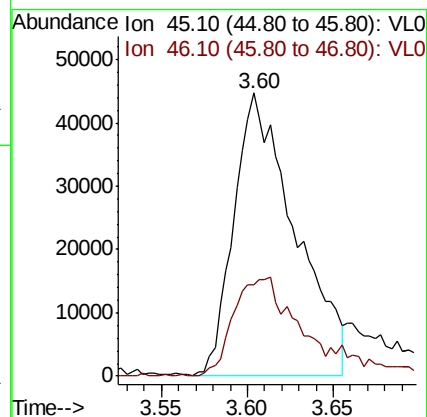
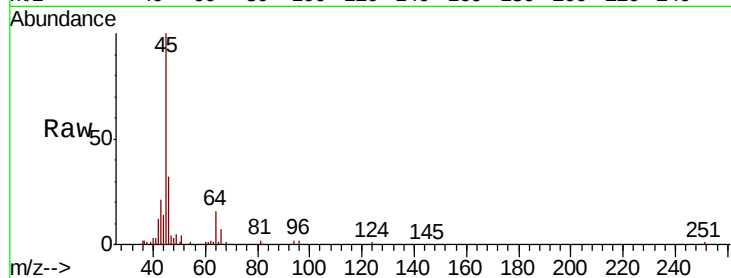
46 45.2 16.3 65.3

Manual Integrations

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#14

Bromoethene

Concen: 10.982 ppbv

RT: 3.73 min Scan# 294

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

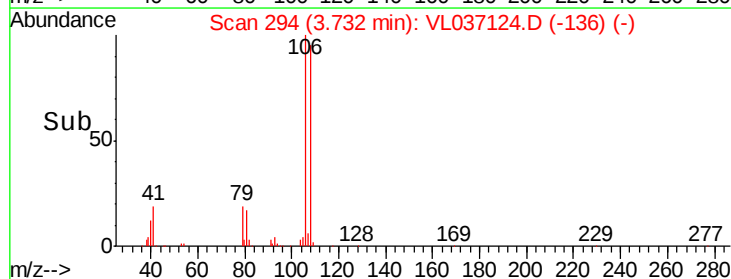
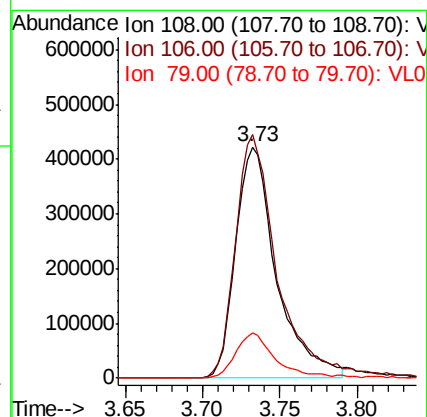
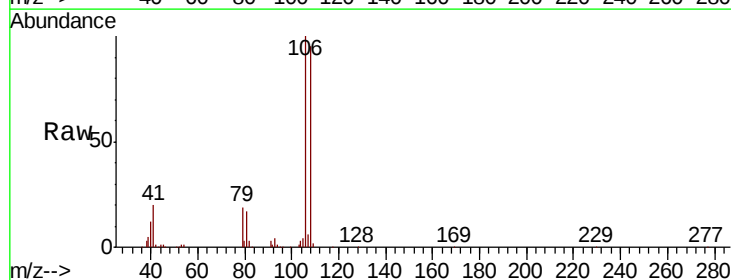
Tgt Ion: 108 Resp: 773483

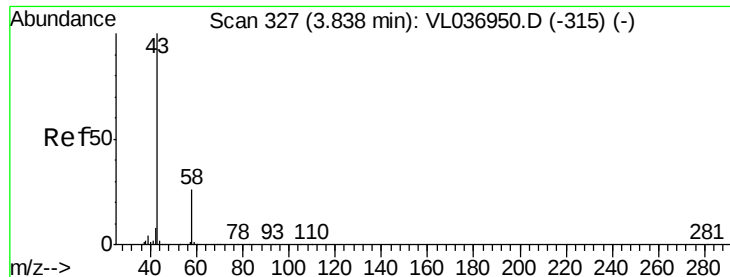
Ion Ratio Lower Upper

108 100

106 110.1 86.5 129.7

79 20.0 15.0 22.4





#15

Acetone

Concen: 9.040 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1323825

Ion Ratio Lower Upper

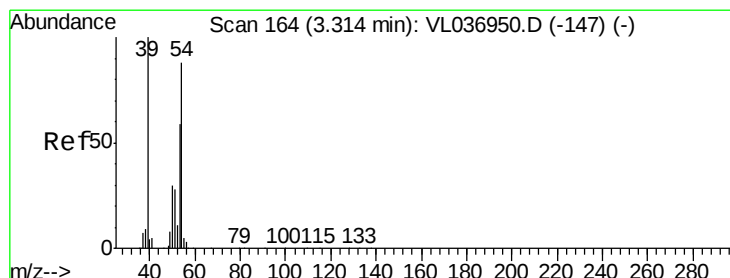
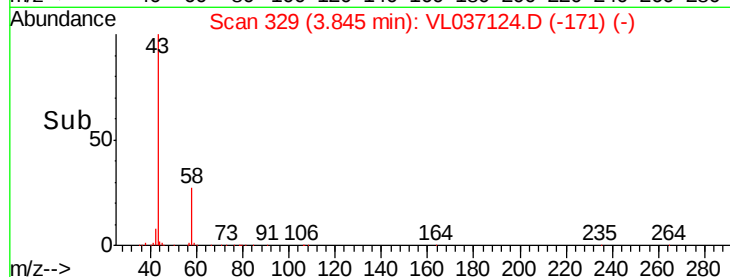
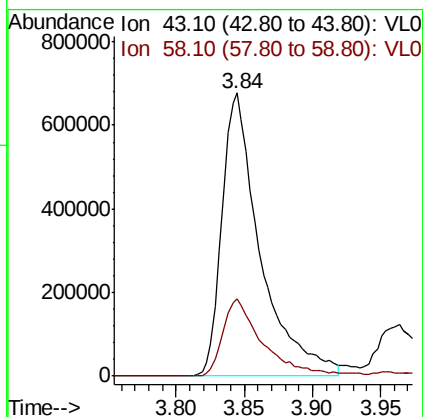
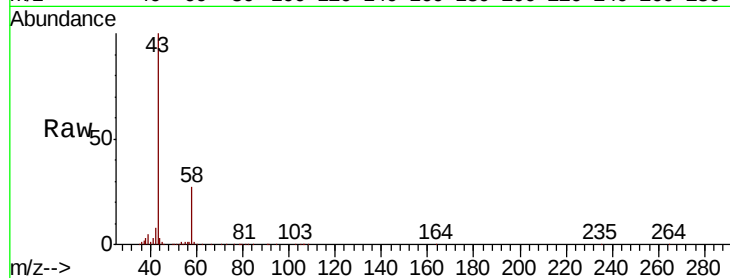
43 100

58 28.7 24.0 36.0

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#16

1,3-Butadiene

Concen: 10.459 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL037124.D

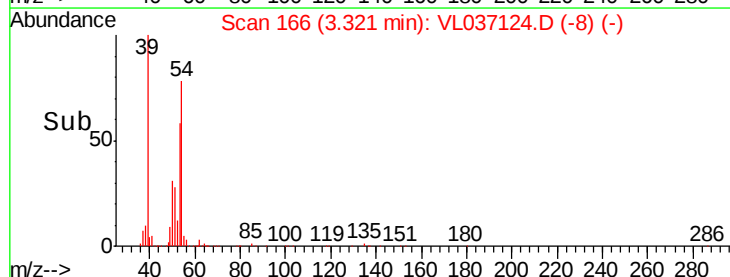
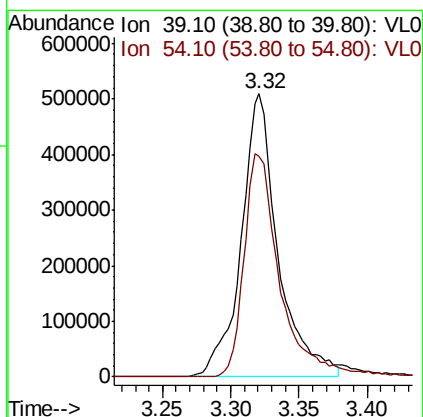
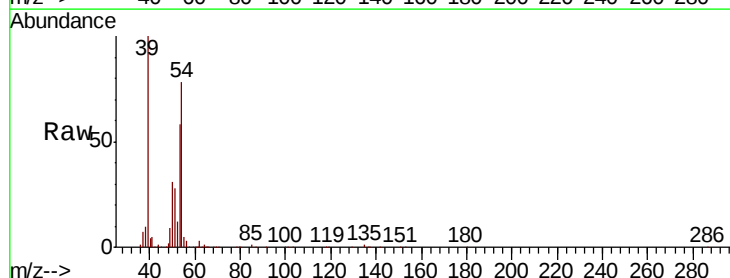
Acq: 3 Jun 2021 8:43

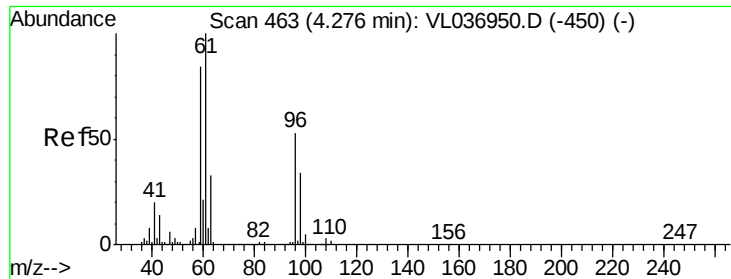
Tgt Ion: 39 Resp: 951526

Ion Ratio Lower Upper

39 100

54 77.7 63.2 94.8





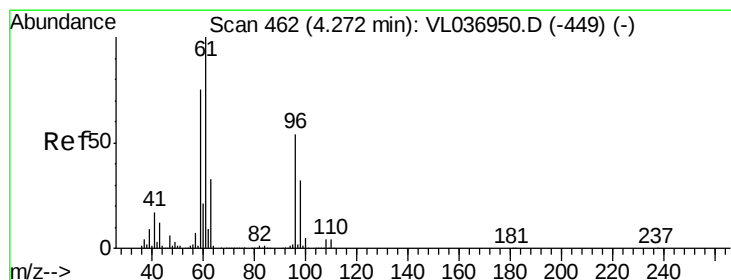
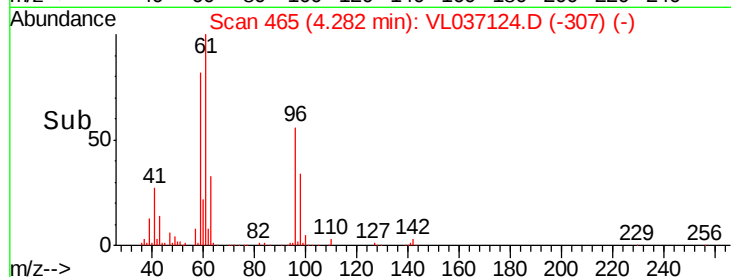
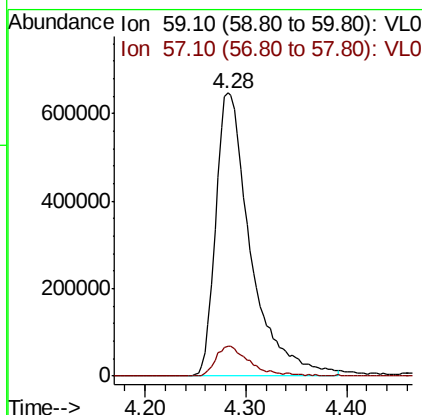
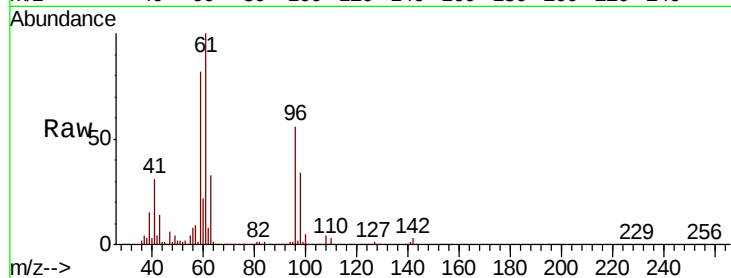
#17
tert-Butyl alcohol
Concen: 11.627 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1559508
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

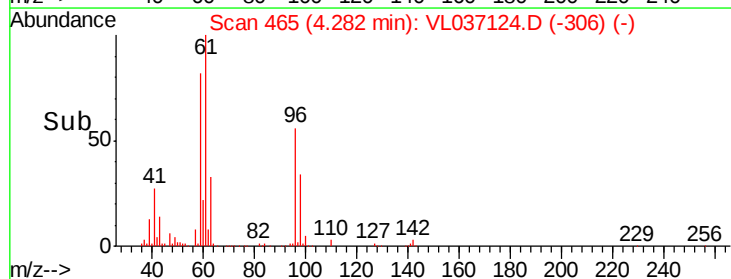
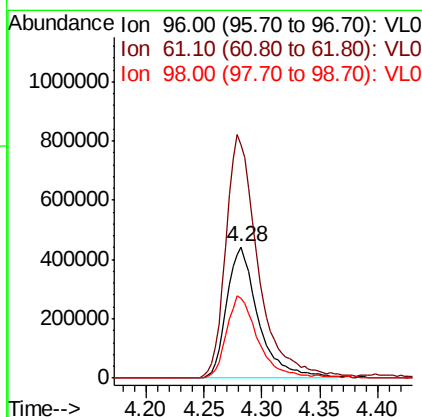
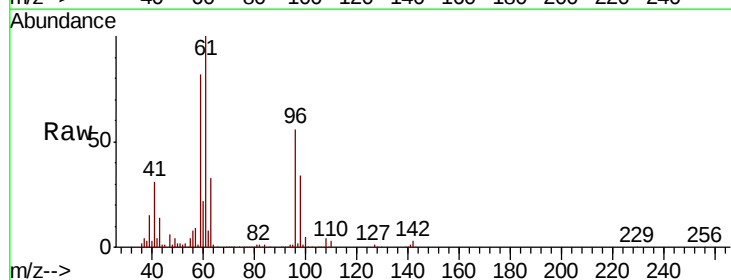
Manual Integrations
APPROVED

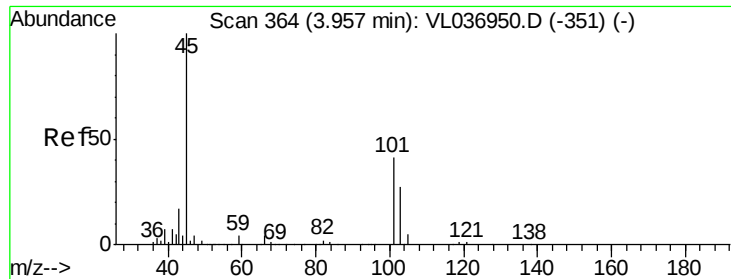
MMDadoda
6/7/2021 3:01:38 PM



#18
1,1-Dichloroethene
Concen: 11.273 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 96 Resp: 833534
Ion Ratio Lower Upper
96 100
61 178.1 148.2 222.4
98 61.0 47.8 71.6





#19

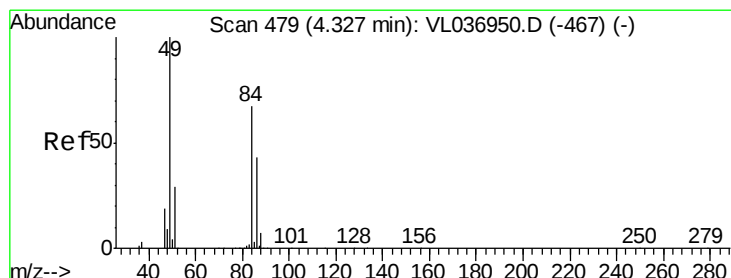
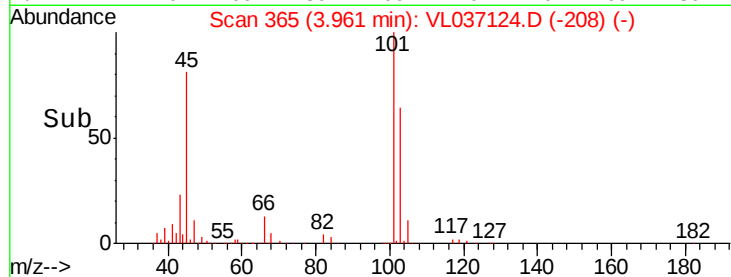
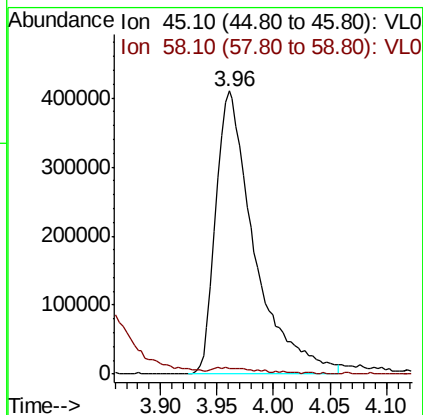
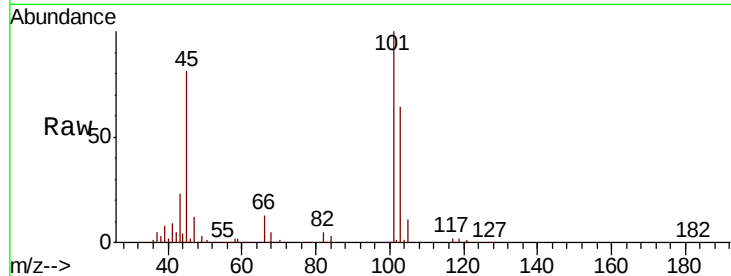
Isopropyl Alcohol
 Concen: 12.328 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 970429
 Ion Ratio Lower Upper
 45 100
 58 3.4 37.2 55.8#

Manual Integrations
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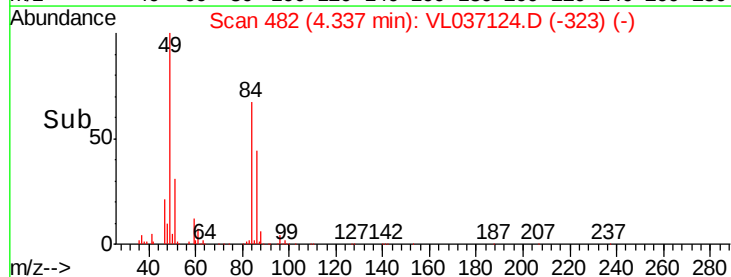
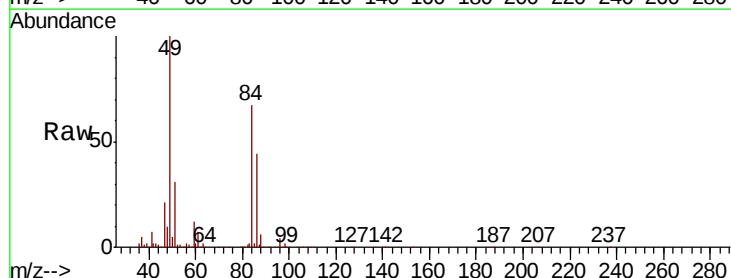
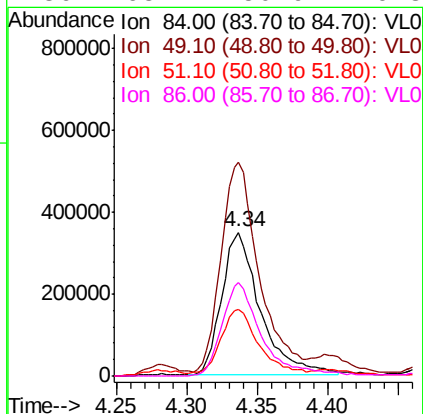
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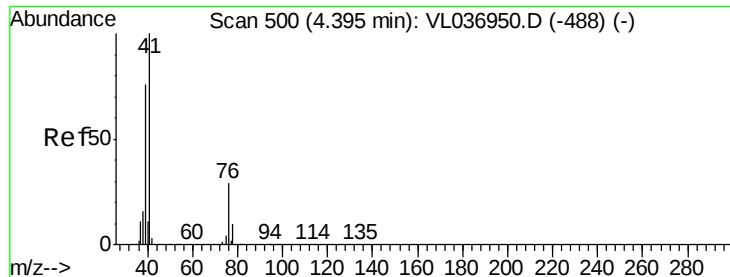


#20

Methylene Chloride
 Concen: 8.581 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion: 84 Resp: 673571
 Ion Ratio Lower Upper
 84 100
 49 146.2 119.8 179.6
 51 44.7 35.1 52.7
 86 65.7 50.9 76.3





#21

Allvl Chloride

Concen: 10.428 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

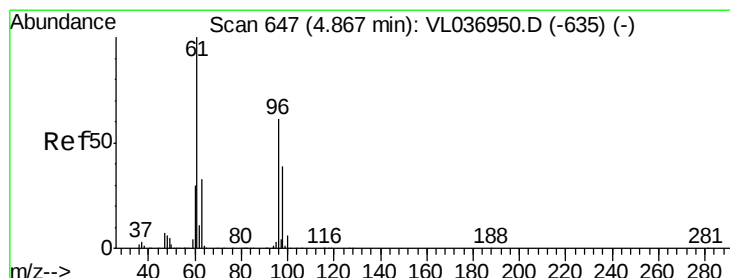
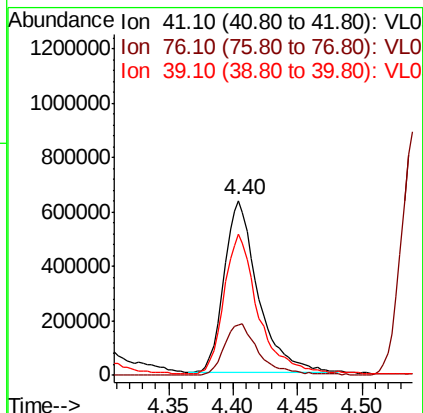
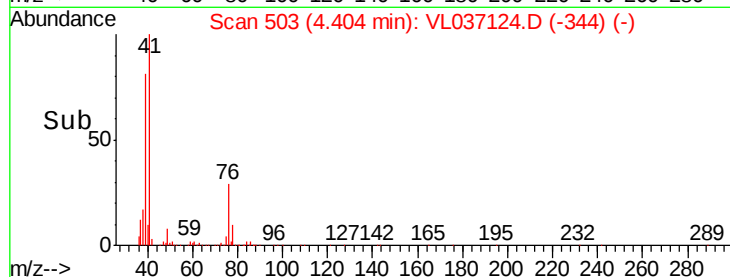
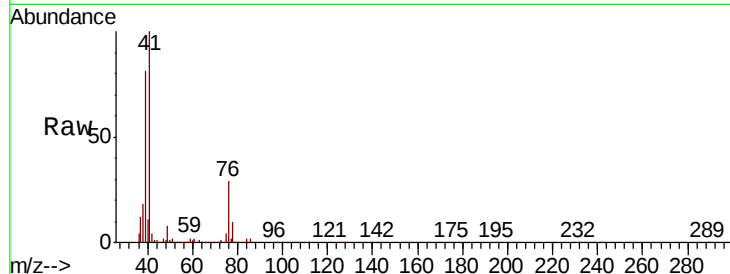
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1152007
Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.9	37.3
39	83.7	63.7	95.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 11.476 ppbv

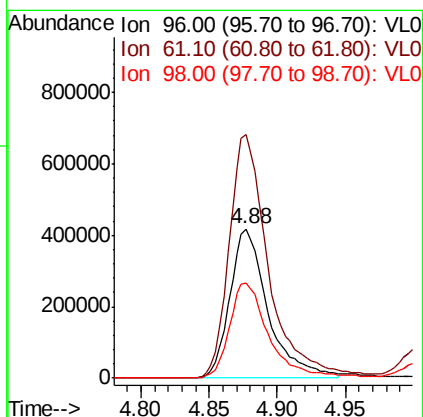
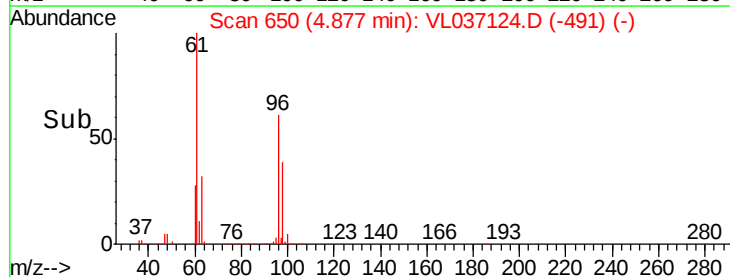
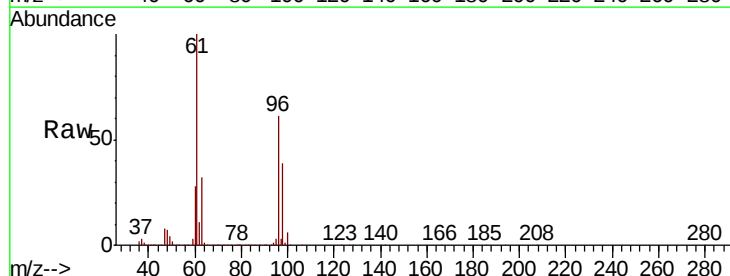
RT: 4.88 min Scan# 650

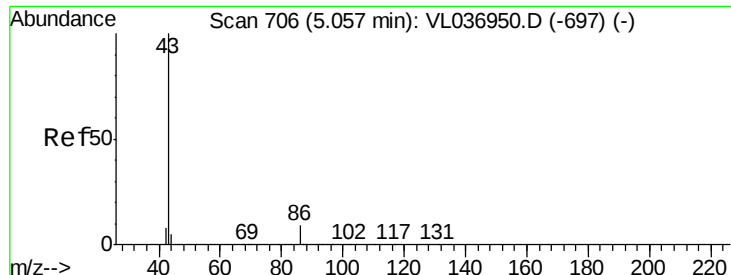
Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Tgt Ion:	96	Resp:	813199
Ion	Ratio	Lower	Upper
96	100		
61	163.2	130.6	196.0
98	64.1	50.8	76.2





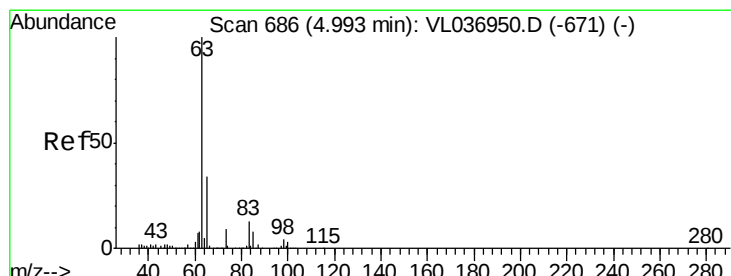
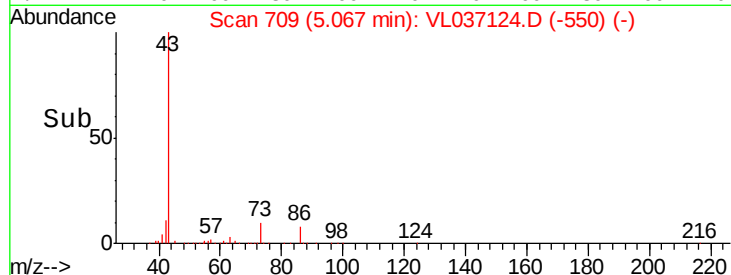
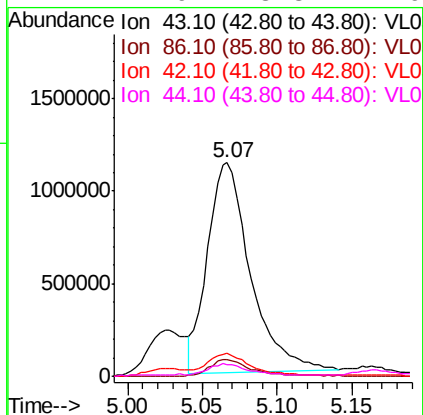
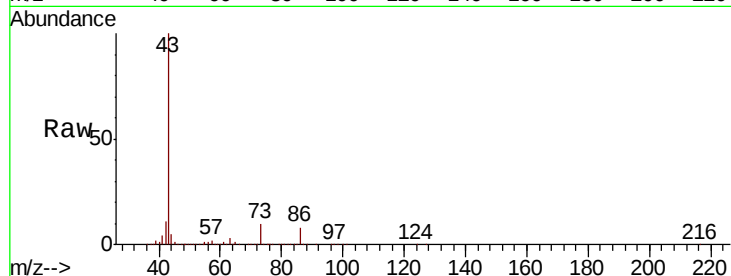
#23
 Vinyl Acetate
 Concen: 9.771 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	2271100
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	10.4	7.4	11.2
44	4.9	3.3	4.9

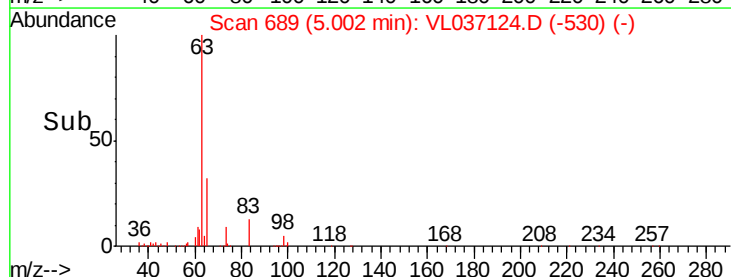
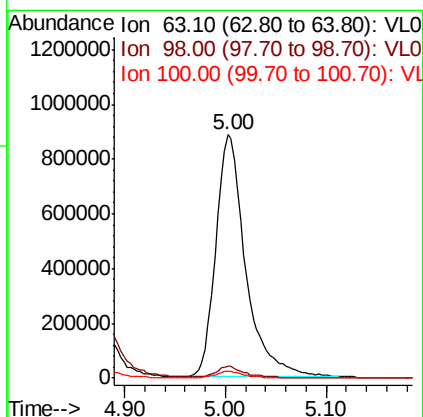
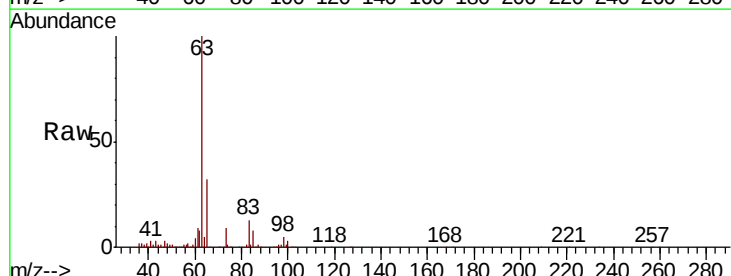
Manual Integrations
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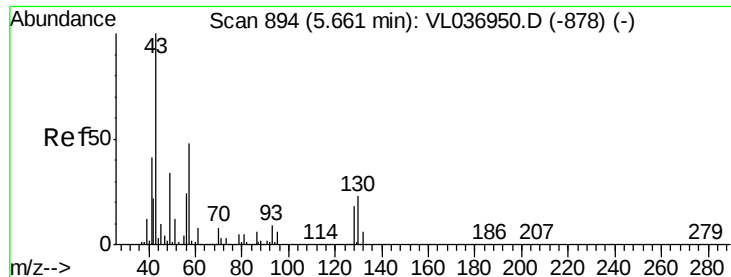
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 10.893 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion	63	Resp	1822404
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.5	1.4	4.0





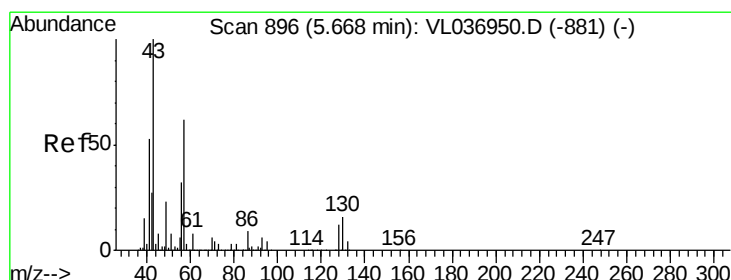
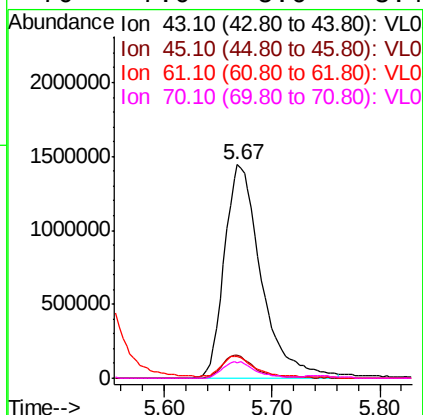
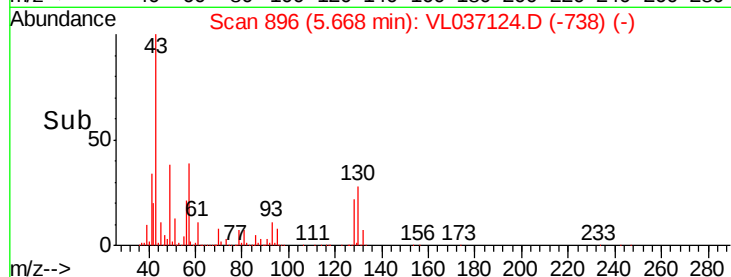
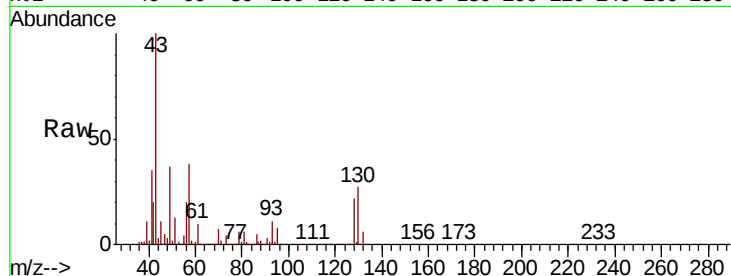
#25
Ethyl Acetate
Concen: 9.725 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.8	11.8	
61	10.1	7.8	11.8	
70	7.0	5.6	8.4	

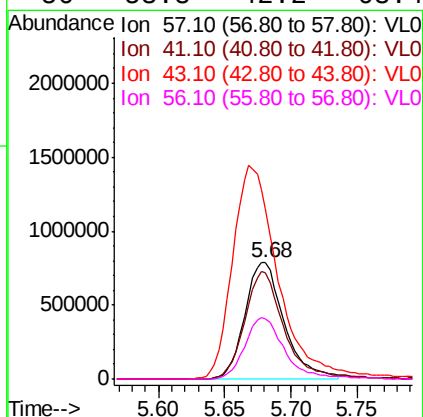
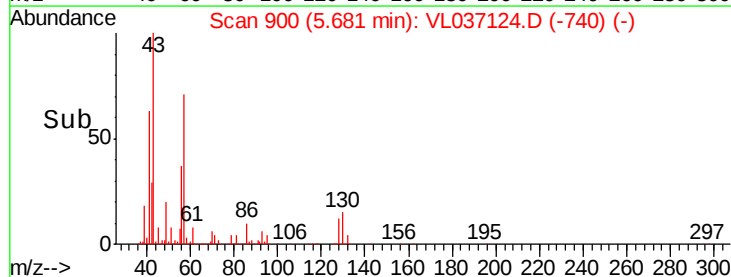
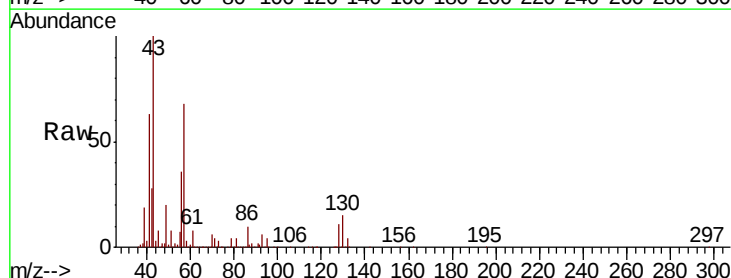
Manual Integrations
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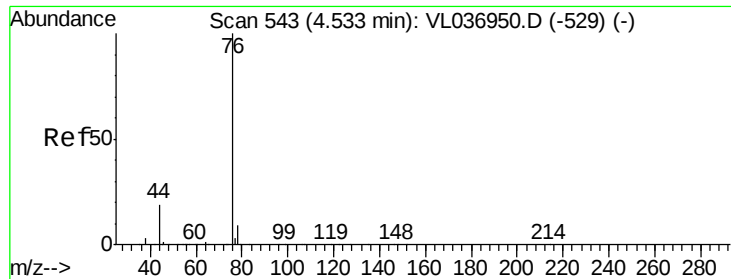
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#26
Hexane
Concen: 9.031 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	93.1	70.5	105.7	
43	214.8	165.8	248.8	
56	53.8	42.2	63.4	





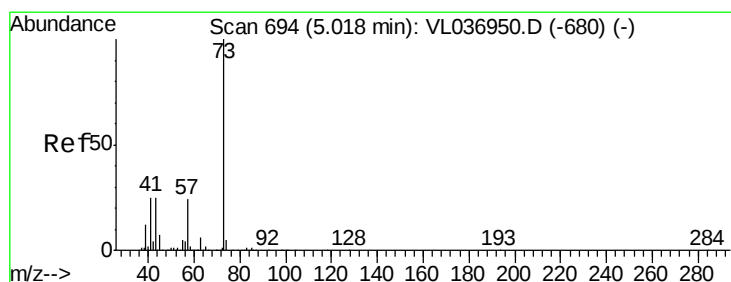
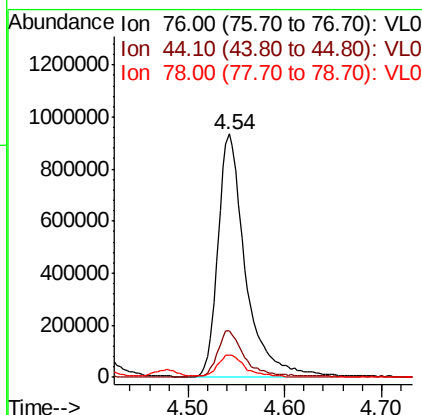
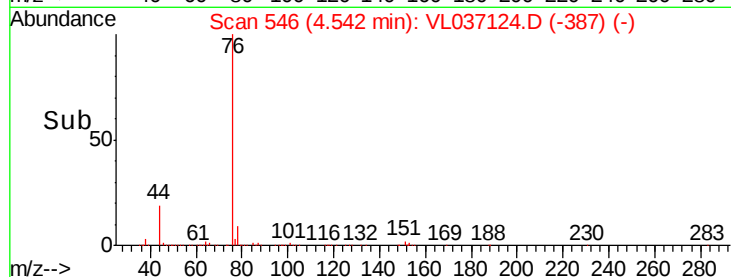
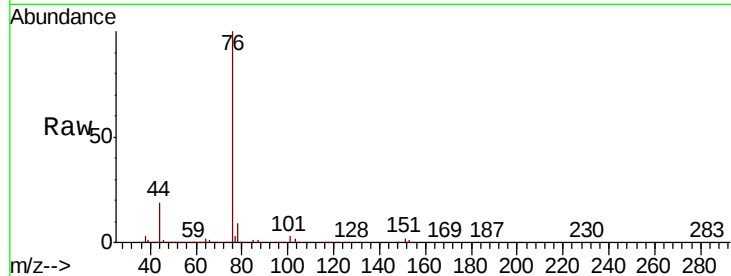
#27
Carbon Disulfide
Concen: 10.194 ppbv
RT: 4.54 min Scan# 546
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.5	23.3
78	9.6	7.8	11.6

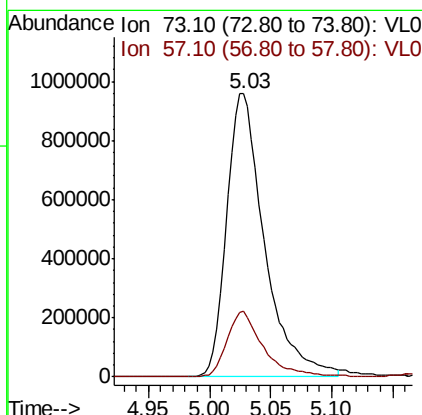
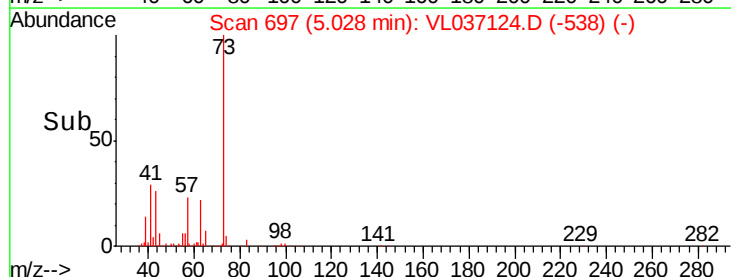
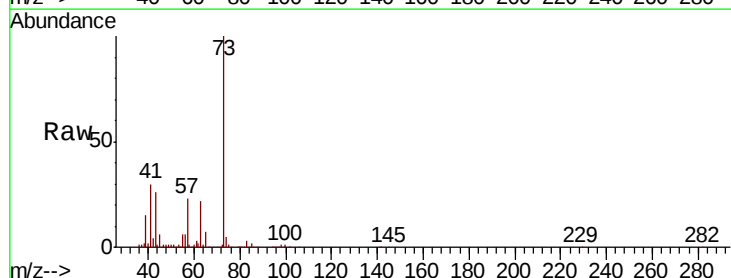
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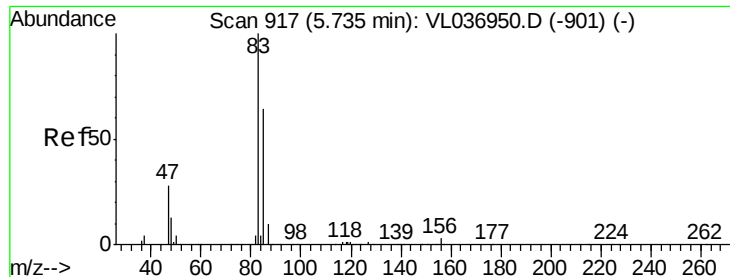
MMDadoda
6/7/2021 3:01:38 PM



#28
Methyl tert-Butyl Ether
Concen: 9.641 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.3	27.5





#29

Chloroform

Concen: 10.660 ppbv

RT: 5.75 min Scan# 920

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2707129

Ion Ratio Lower Upper

83 100

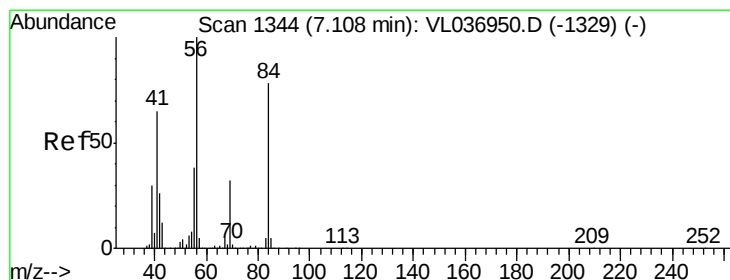
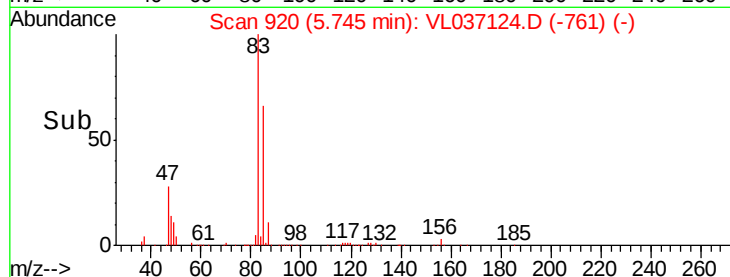
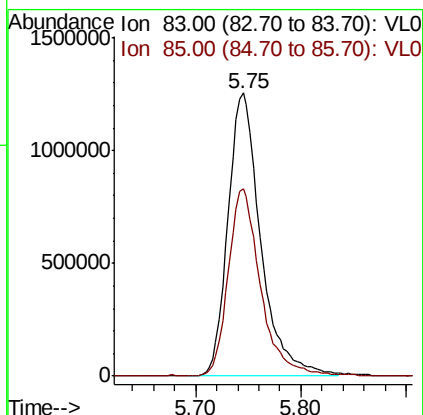
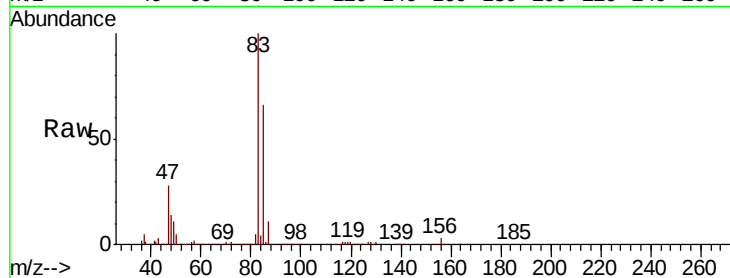
85 65.8 51.1 76.7

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#30

Cyclohexane

Concen: 9.622 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

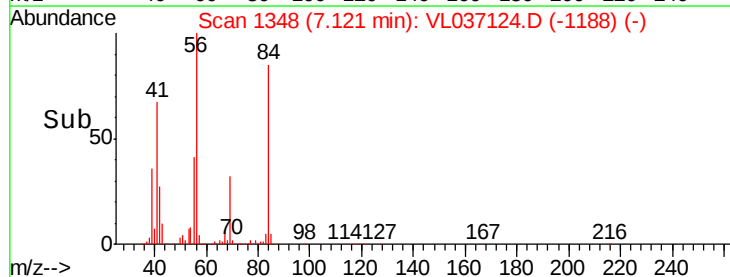
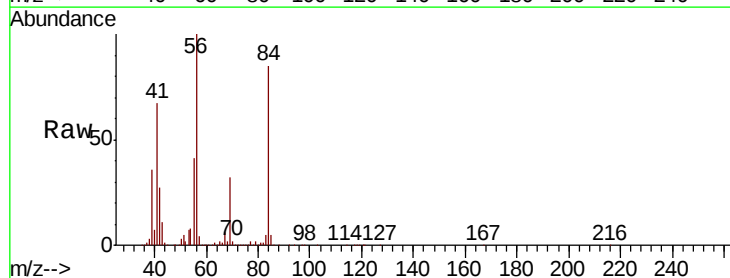
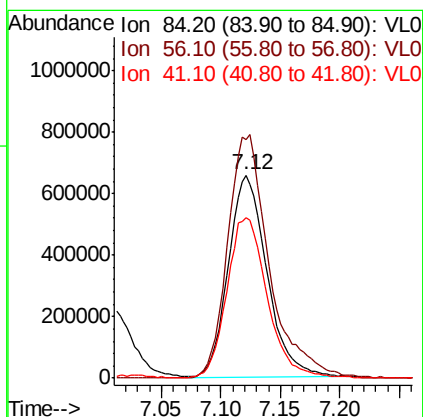
Tgt Ion: 84 Resp: 1469780

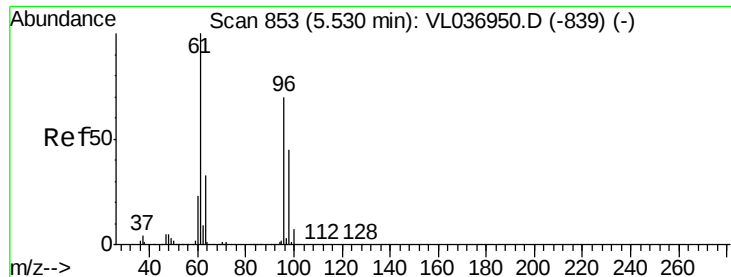
Ion Ratio Lower Upper

84 100

56 131.4 107.9 161.9

41 83.2 65.5 98.3





#31

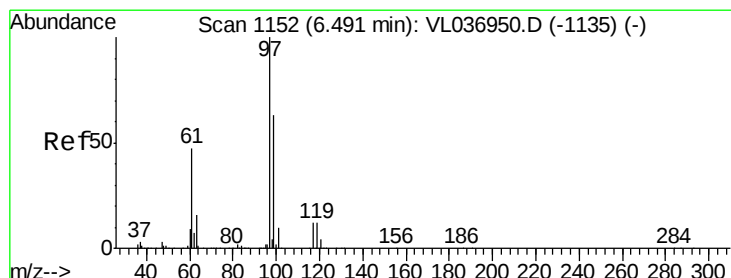
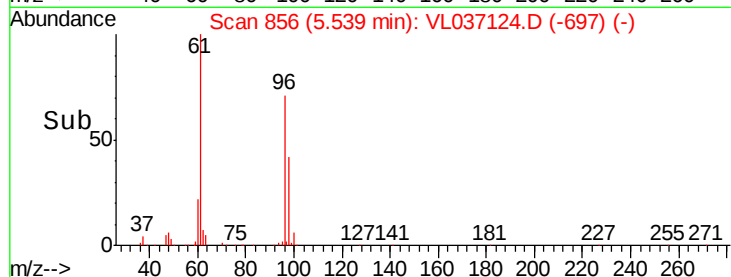
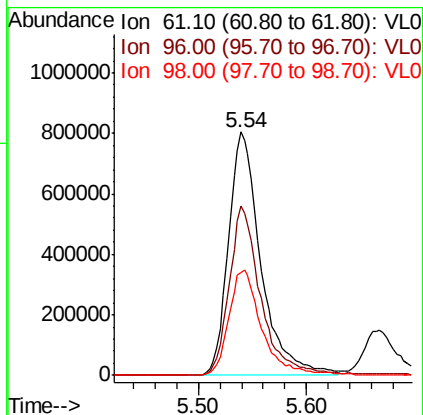
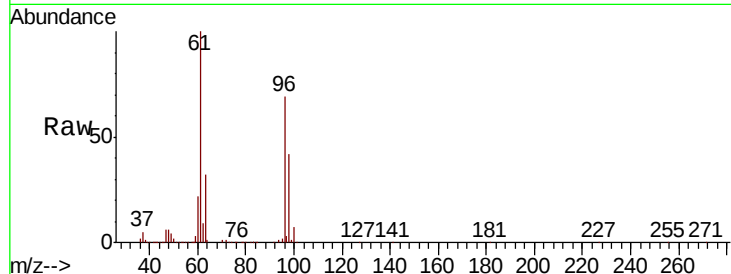
cis-1,2-Dichloroethene
Concen: 10.421 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.4	55.9	83.9
98	42.0	35.6	53.4

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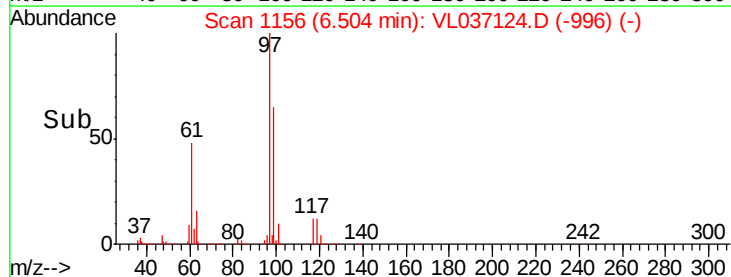
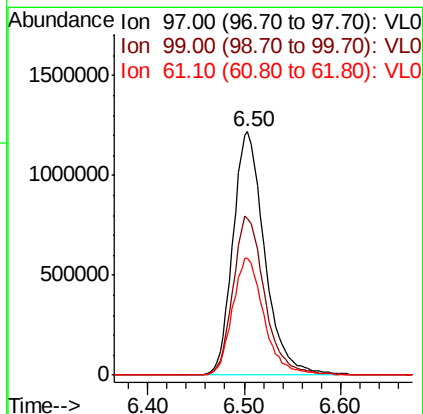
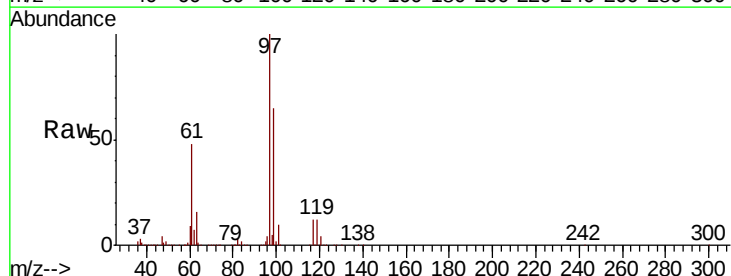
MMDadoda
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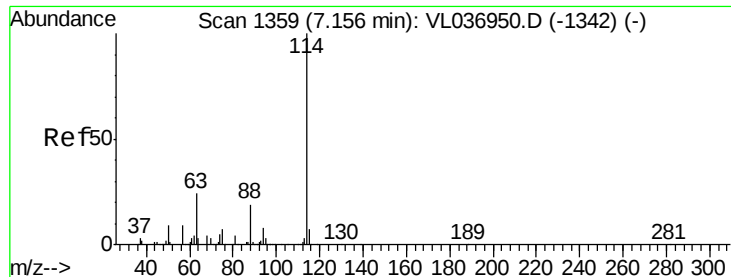


#32

1,1,1-Trichloroethane
Concen: 10.220 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.9	77.9
61	48.0	37.6	56.4





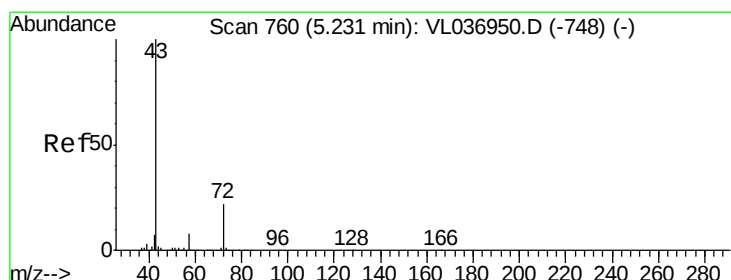
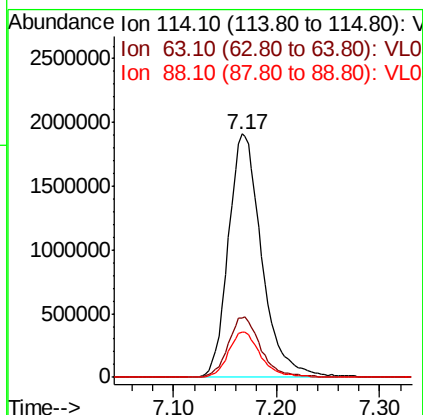
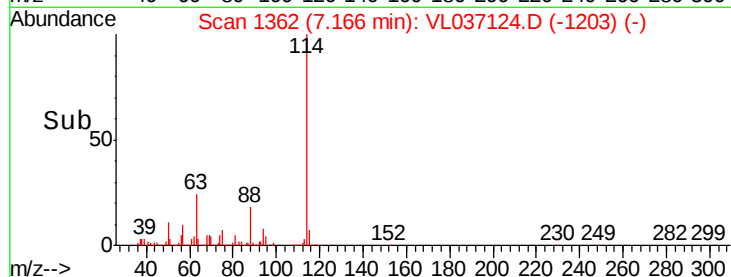
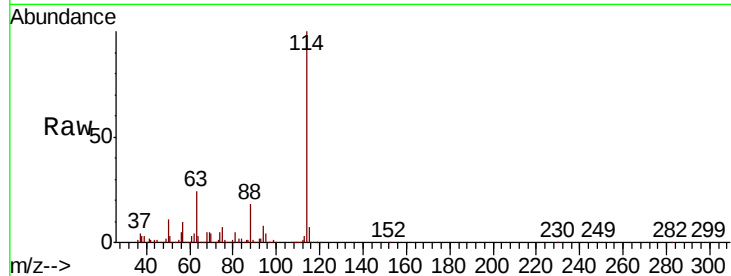
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4302576
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 18.0 14.6 21.8

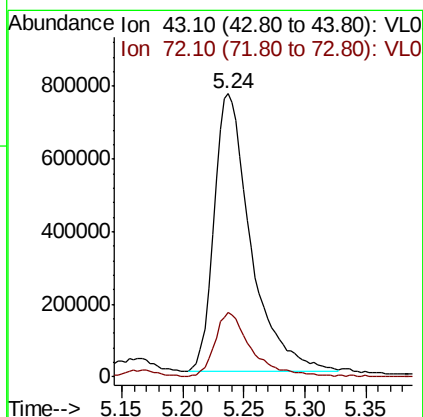
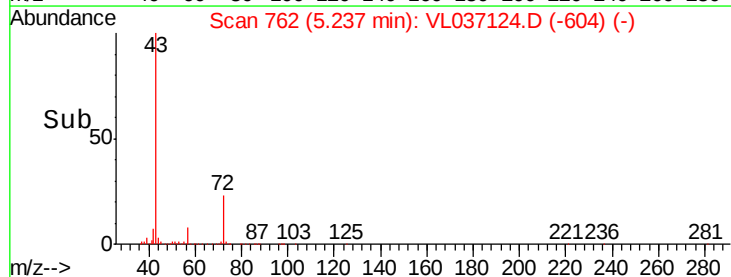
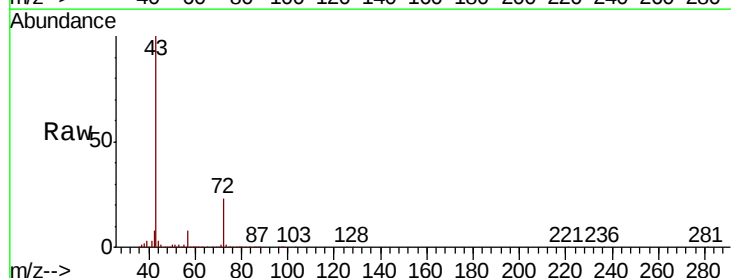
Manual Integrations
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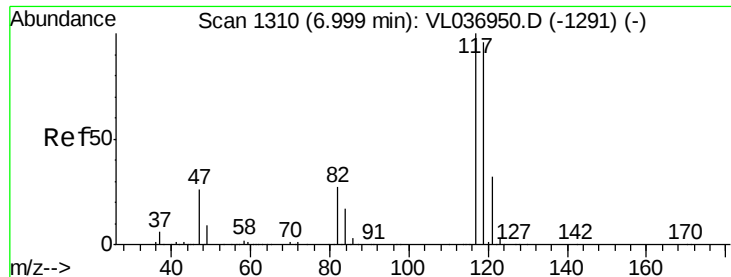
MMDadoda
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#34
 2-Butanone
 Concen: 10.338 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion: 43 Resp: 1619660
 Ion Ratio Lower Upper
 43 100
 72 23.8 19.0 28.4





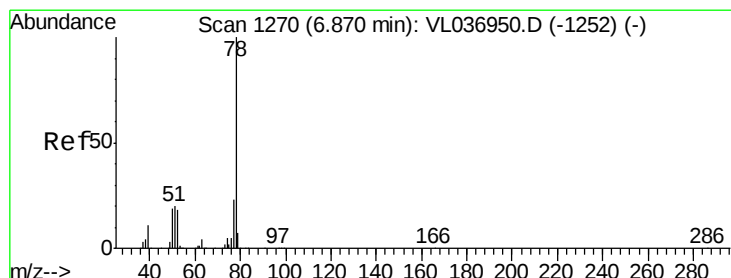
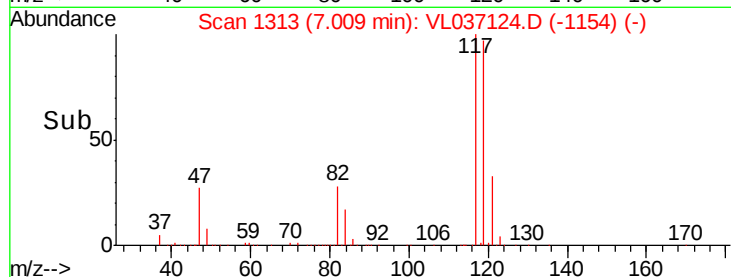
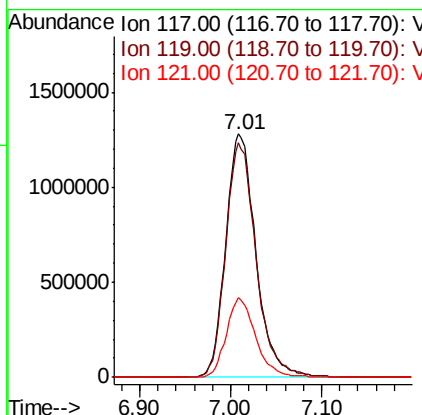
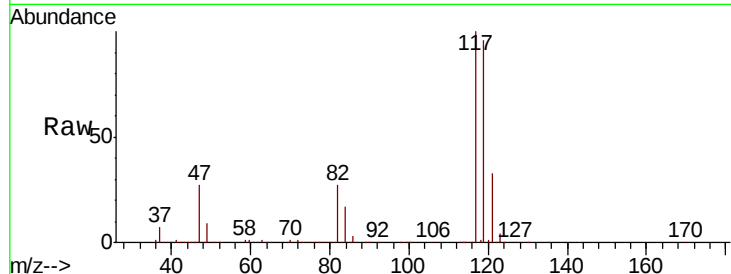
#35
Carbon Tetrachloride
Concen: 10.354 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	114.8
121	32.9	25.8	38.6

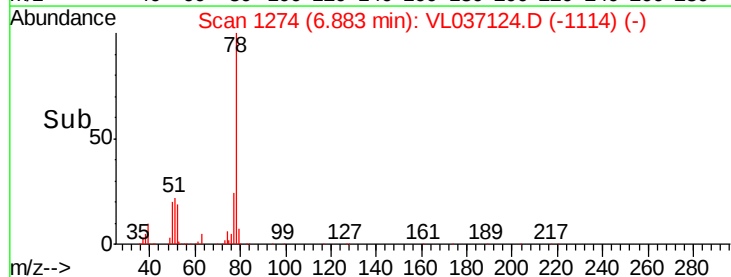
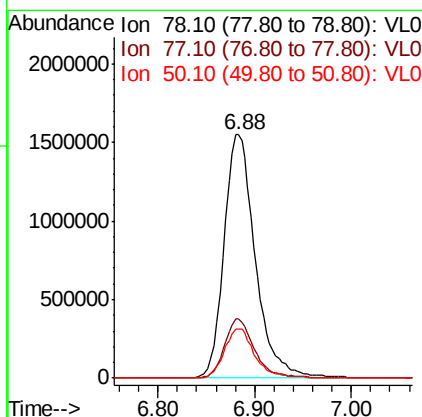
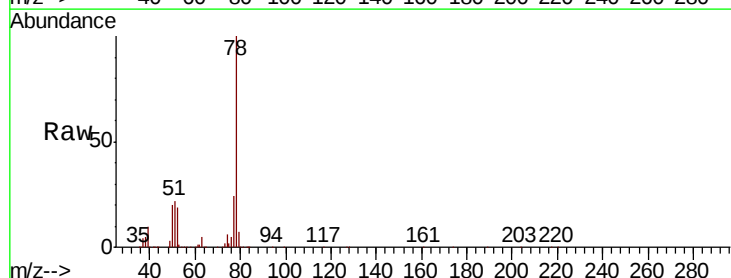
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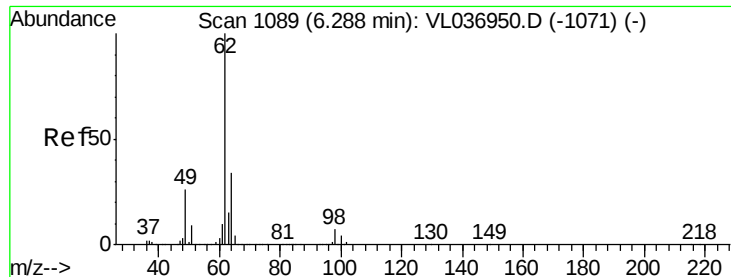
MMDadoda
6/7/2021 3:01:38 PM



#36
Benzene
Concen: 9.385 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0
50	20.4	15.0	22.4





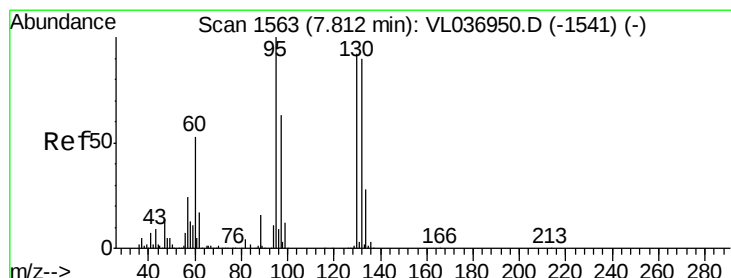
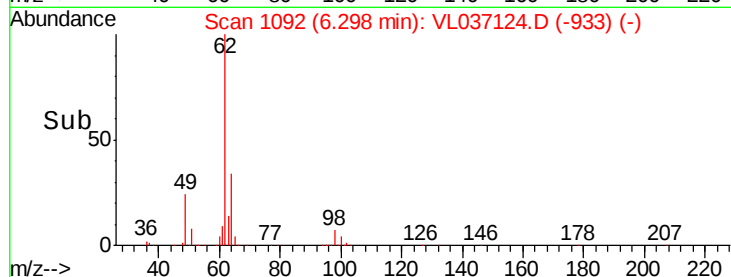
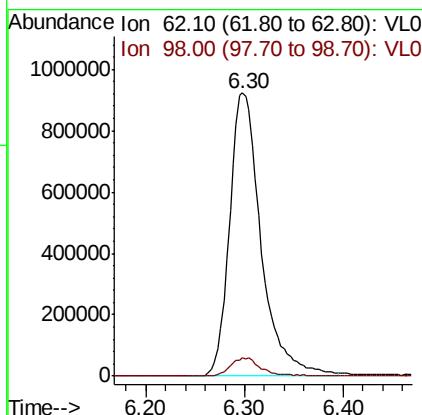
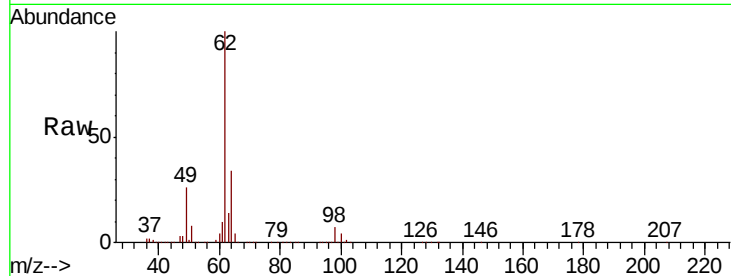
#37
 1,2-Dichloroethane
 Concen: 11.214 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 2060474
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.5 8.3

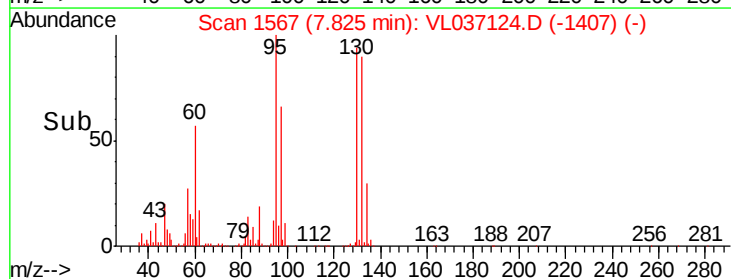
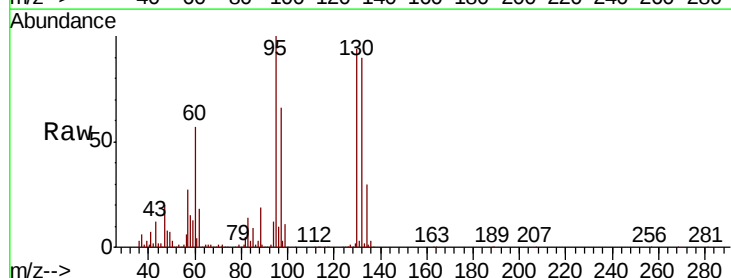
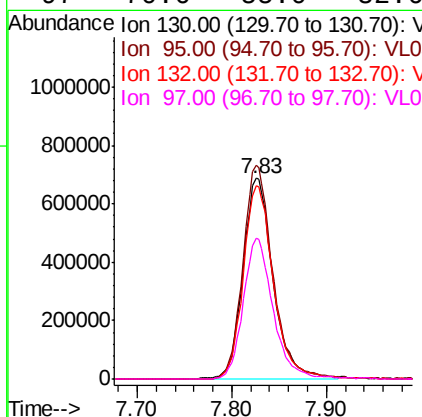
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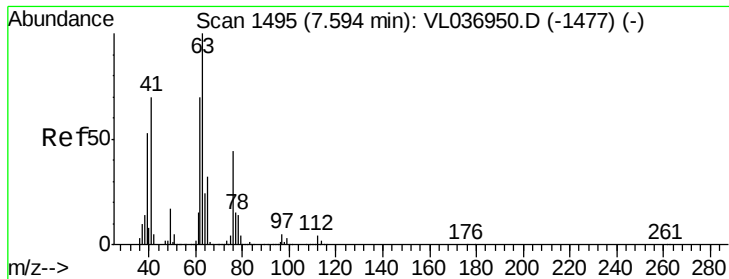
MMDadoda
 6/7/2021 3:01:38 PM



#38
 Trichloroethene
 Concen: 9.565 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion:130 Resp: 1516511
 Ion Ratio Lower Upper
 130 100
 95 106.7 86.9 130.3
 132 96.5 78.4 117.6
 97 70.6 55.0 82.6





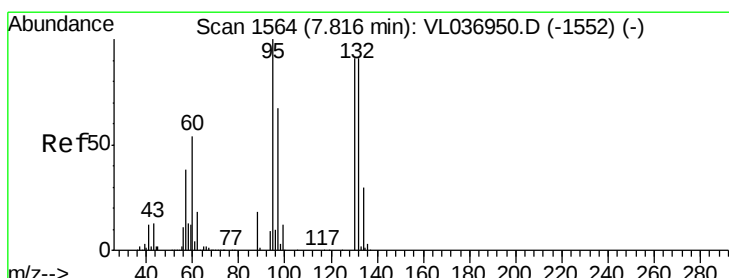
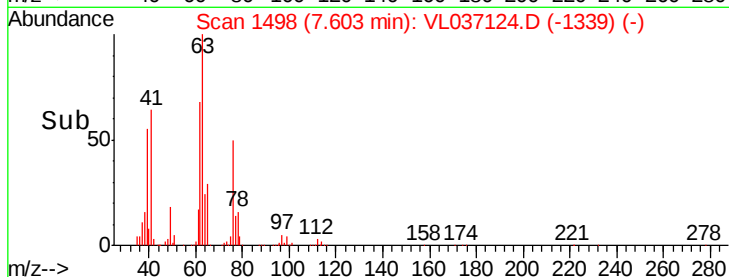
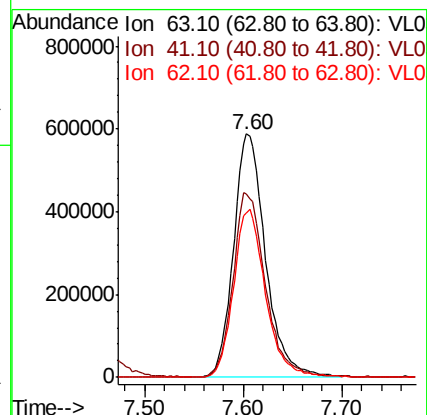
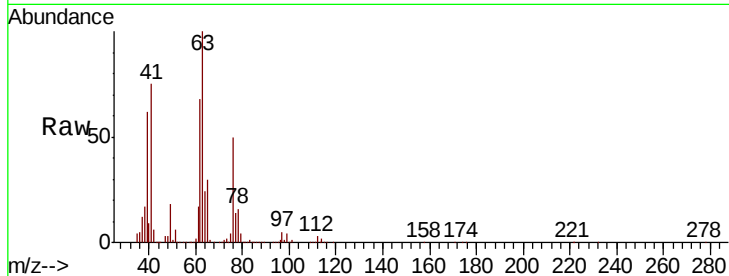
#39
 1,2-Dichloropropane
 Concen: 9.324 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 63 Resp: 1331159
 Ion Ratio Lower Upper
 63 100
 41 74.9 55.7 83.5
 62 67.6 56.2 84.4

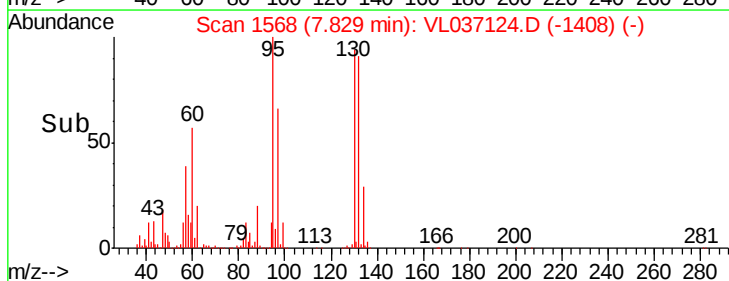
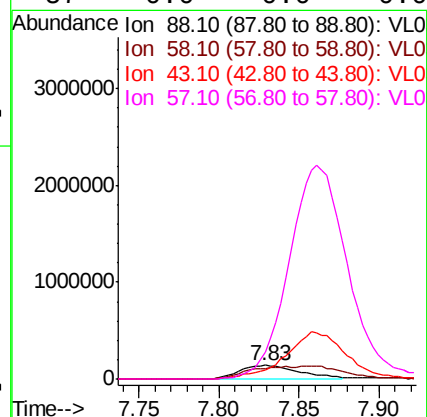
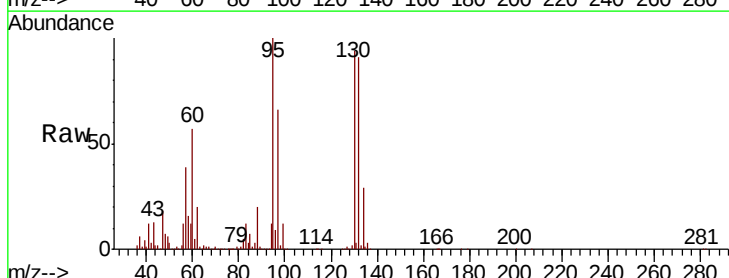
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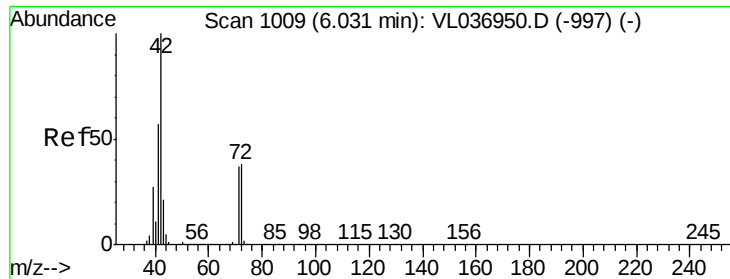
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 6/7/2021 3:01:38 PM



#40
 1,4-Dioxane
 Concen: 10.564 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion: 88 Resp: 356093
 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





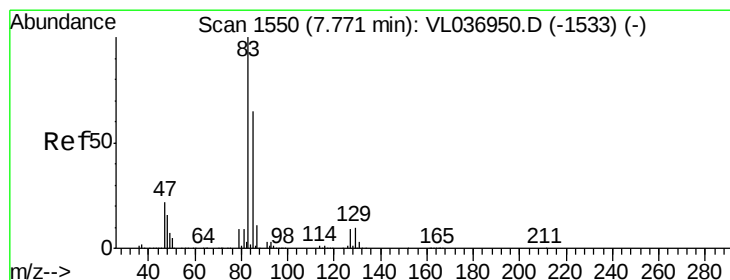
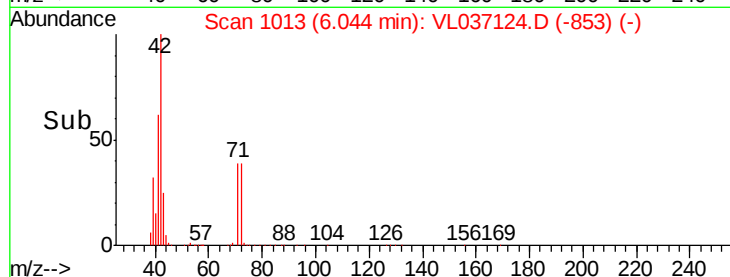
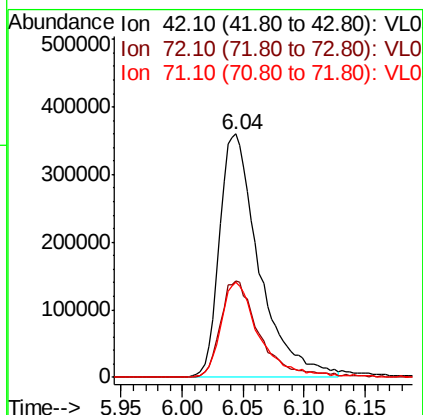
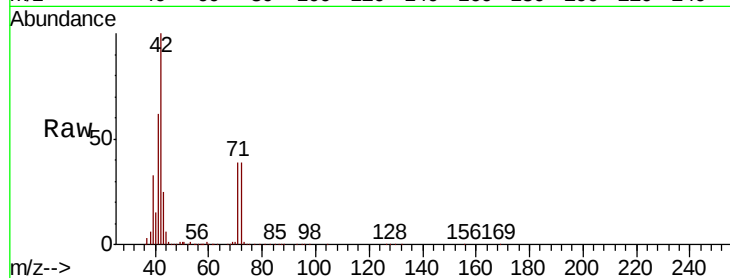
#41
Tetrahydrofuran
Concen: 9.123 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.2
71	38.6	30.4	45.6

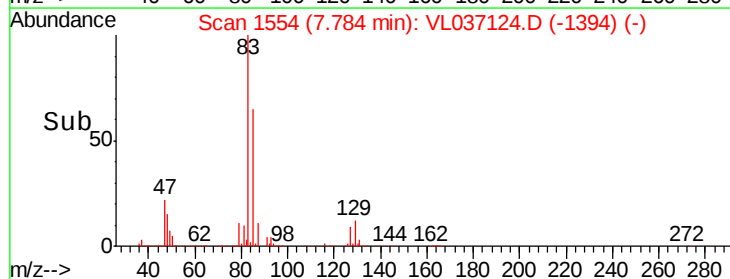
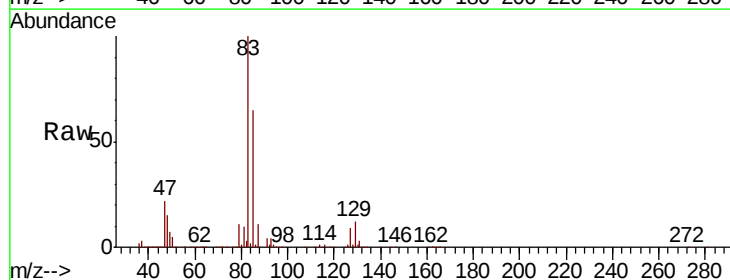
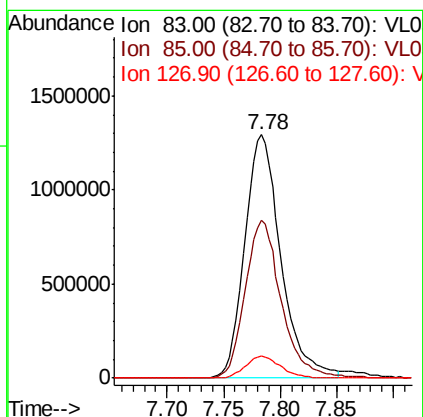
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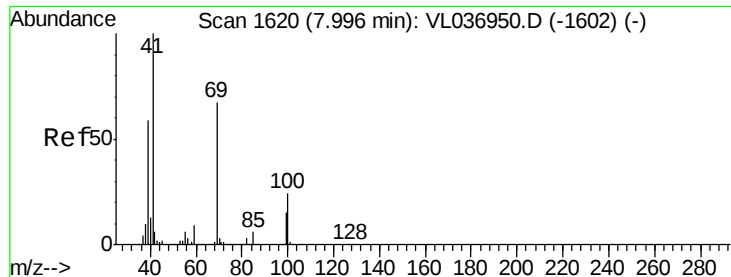
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#42
Bromodichloromethane
Concen: 10.357 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5
127	9.0	6.9	10.3





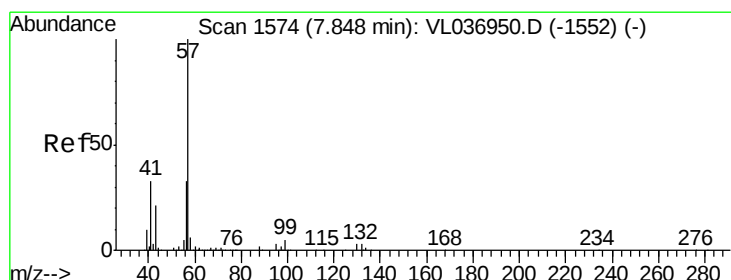
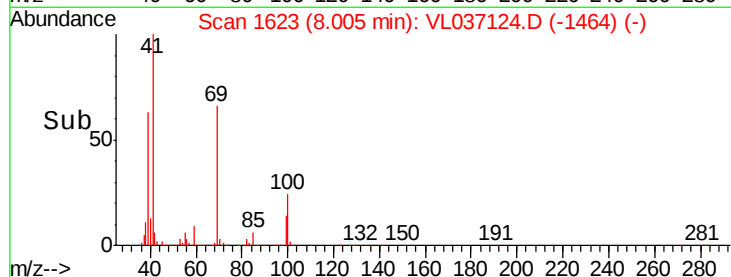
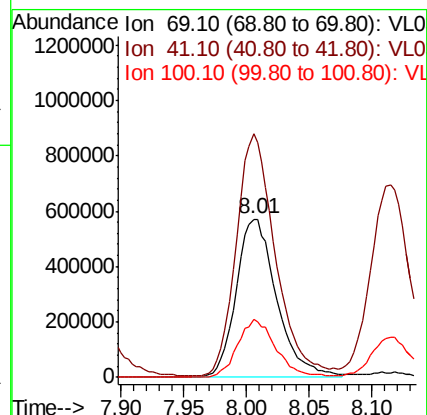
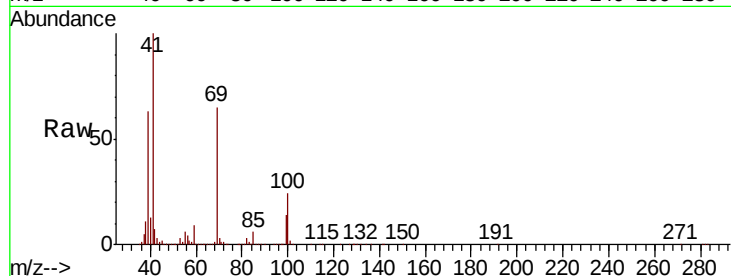
#43
Methvl Methacrilate
Concen: 10.073 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1286682
Ion Ratio Lower Upper
69 100
41 148.1 118.6 178.0
100 35.1 28.2 42.4

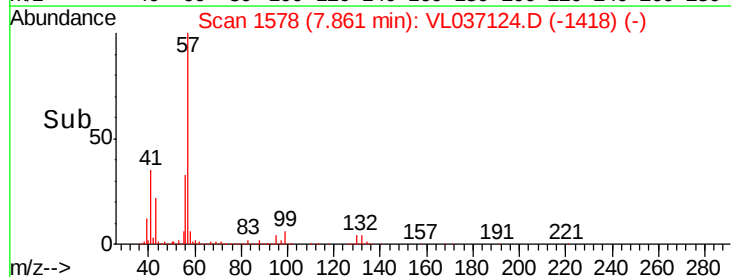
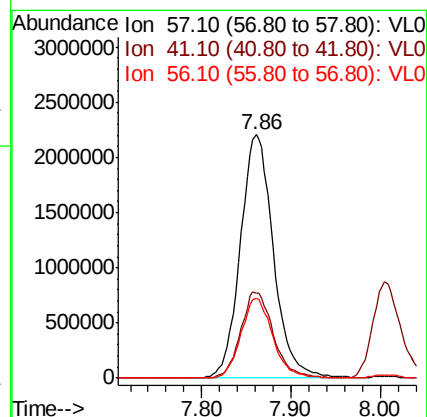
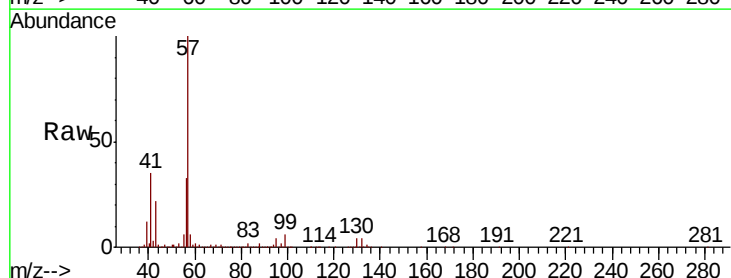
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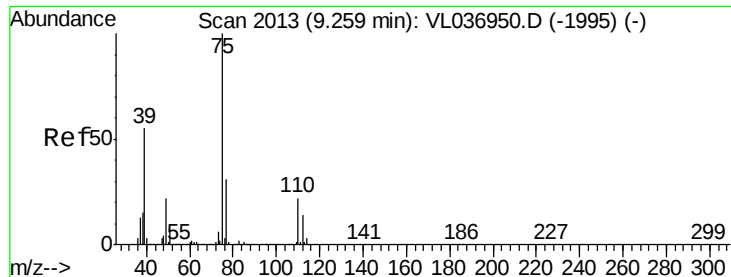
MMDadoda
6/7/2021 3:01:38 PM



#44
2,2,4-Trimethylpentane
Concen: 8.952 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 57 Resp: 5692013
Ion Ratio Lower Upper
57 100
41 34.9 27.0 40.4
56 31.6 25.4 38.2





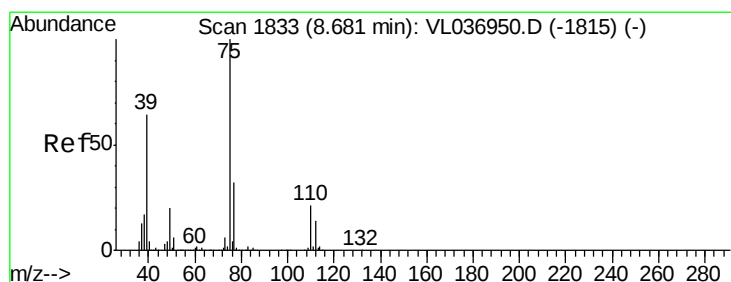
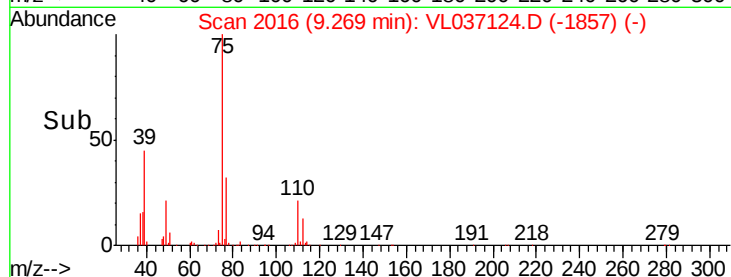
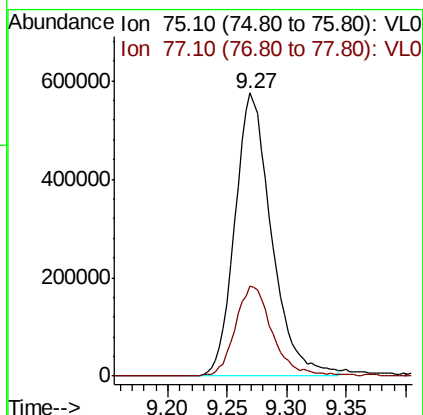
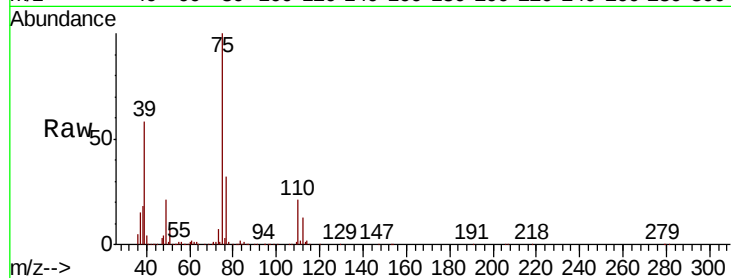
#45
t-1,3-Dichloropropene
Concen: 12.567 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1226357
Ion Ratio Lower Upper
75 100
77 31.9 24.4 36.6

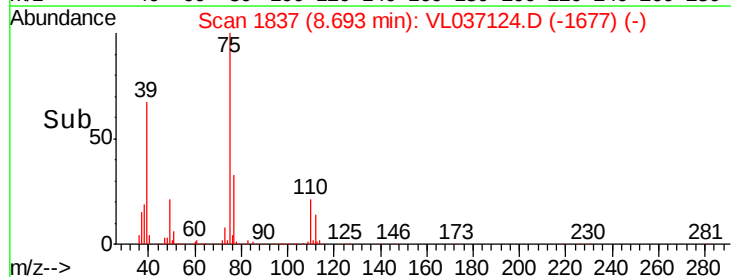
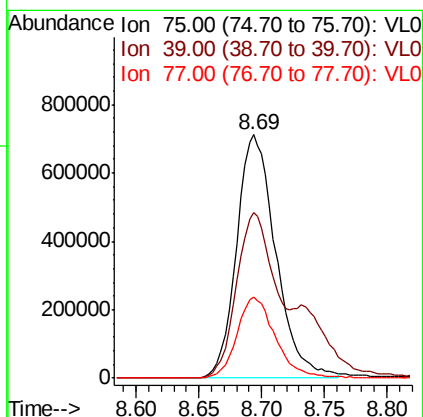
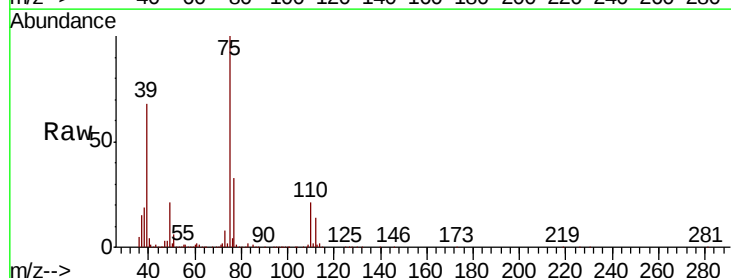
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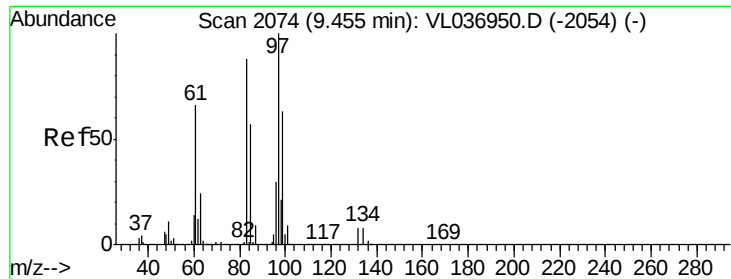
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#46
cis-1,3-Dichloropropene
Concen: 11.778 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 75 Resp: 1546013
Ion Ratio Lower Upper
75 100
39 67.8 51.5 77.3
77 33.1 25.9 38.9





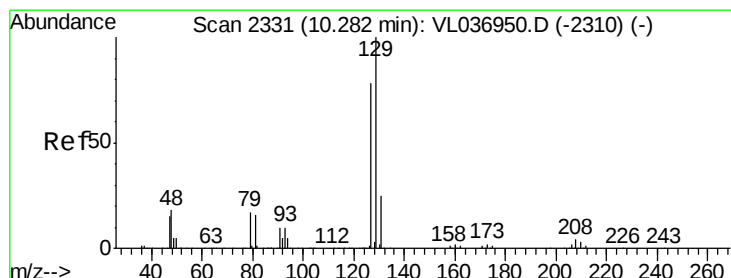
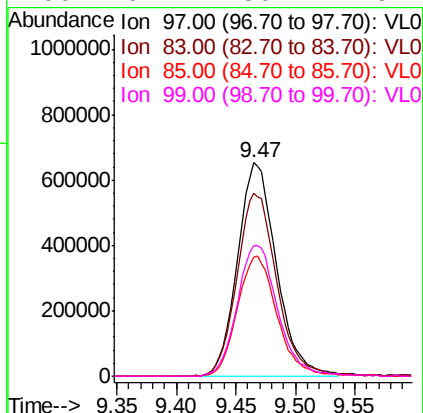
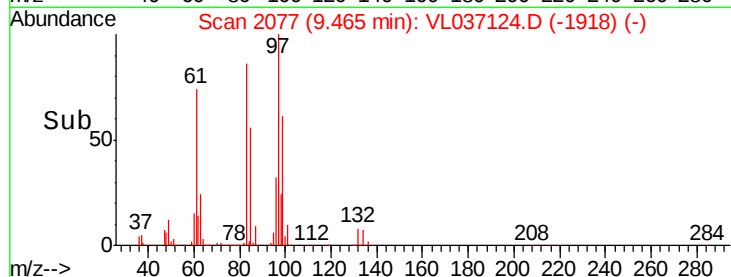
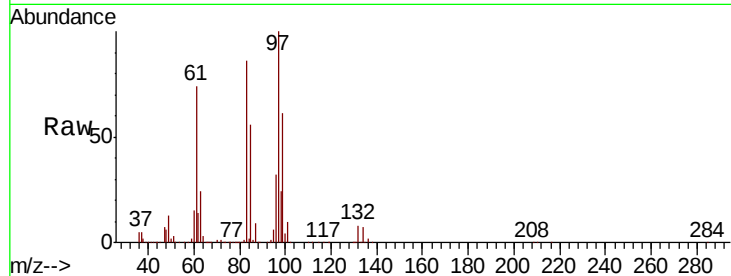
#47
 1,1,2-Trichloroethane
 Concen: 9.898 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.7	70.4	105.6	
85	55.6	45.5	68.3	
99	61.1	50.2	75.2	

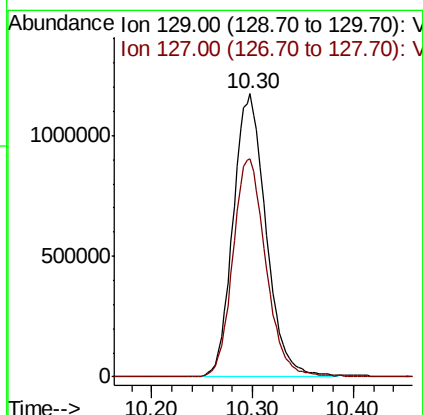
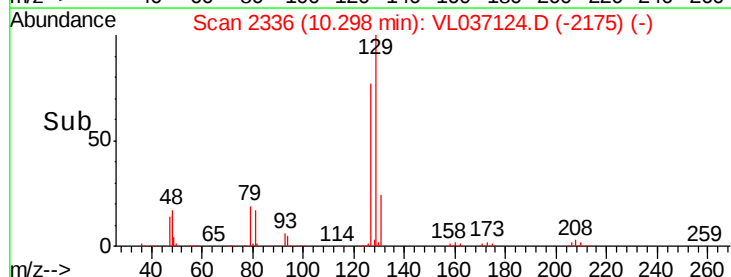
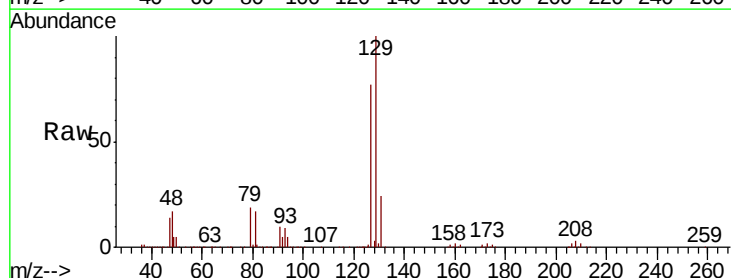
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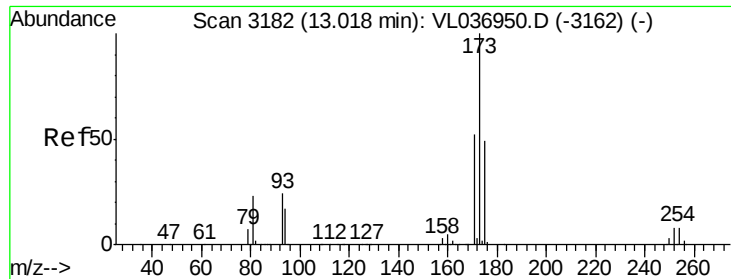
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#48
 Dibromochloromethane
 Concen: 10.993 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.02 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.3	117.8	





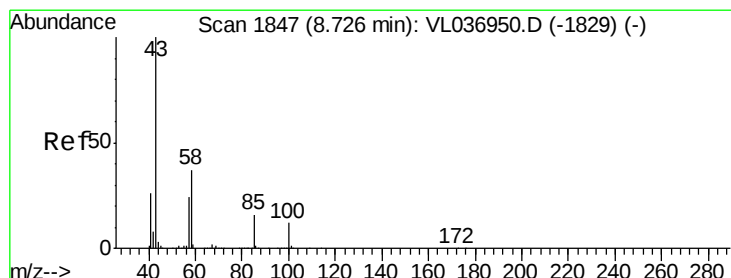
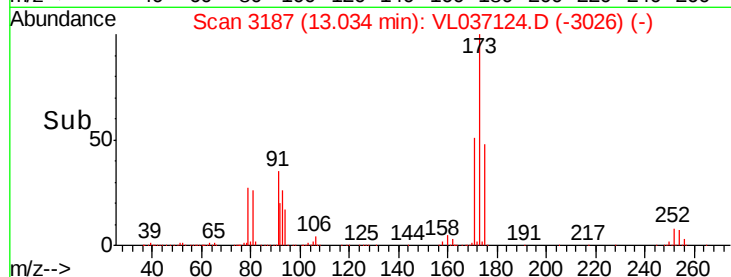
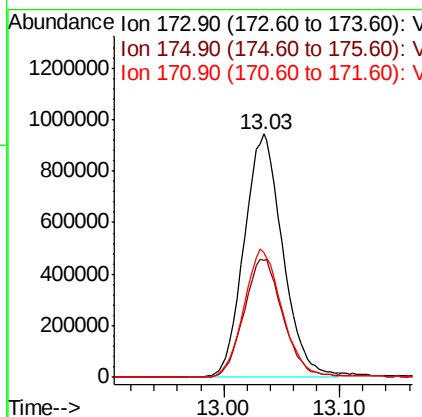
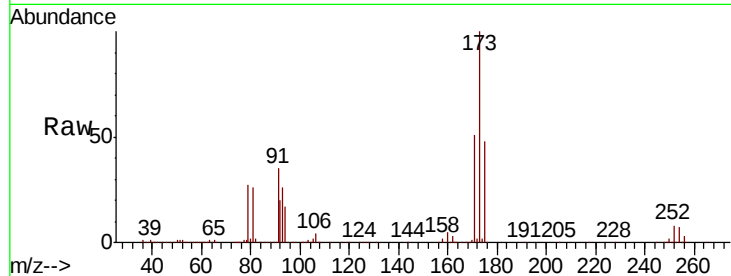
#49
Bromoform
Concen: 10.922 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 2182258
Ion Ratio Lower Upper
173 100
175 50.2 40.4 60.6
171 53.1 42.6 64.0

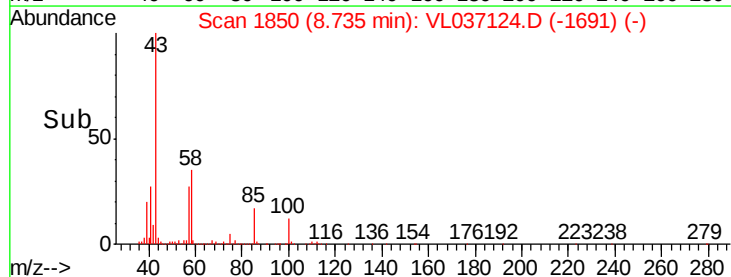
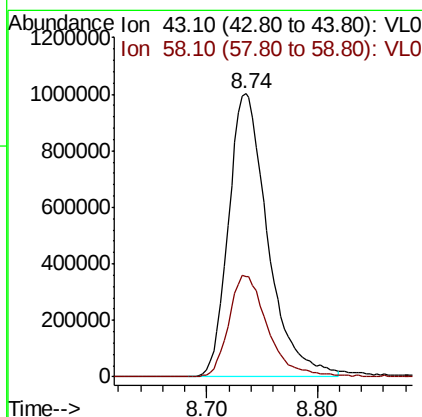
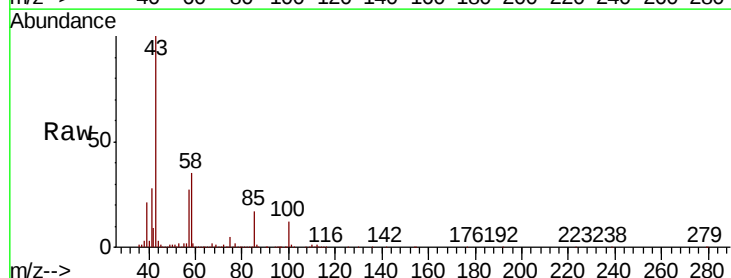
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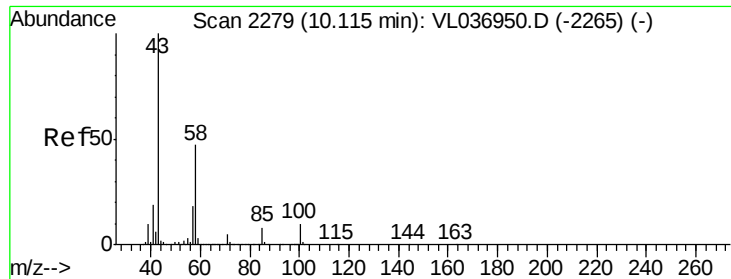
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#50
4-Methyl-2-Pentanone
Concen: 9.566 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 43 Resp: 2473131
Ion Ratio Lower Upper
43 100
58 35.9 29.4 44.2





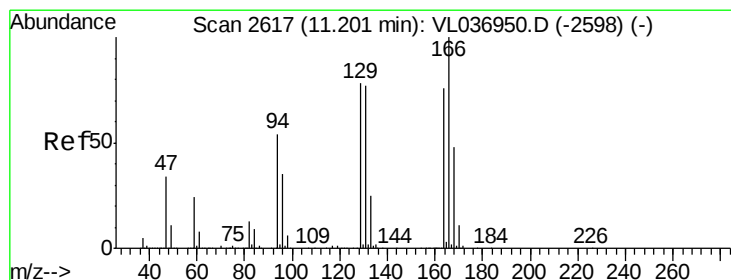
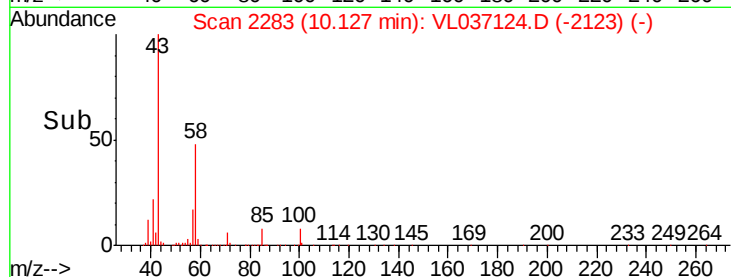
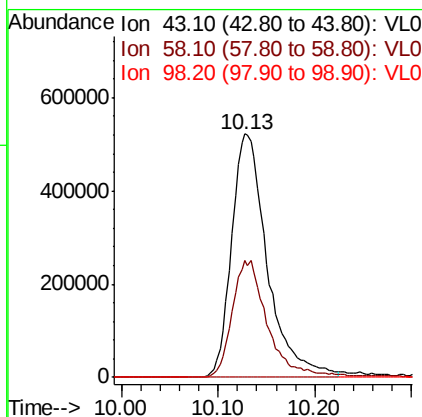
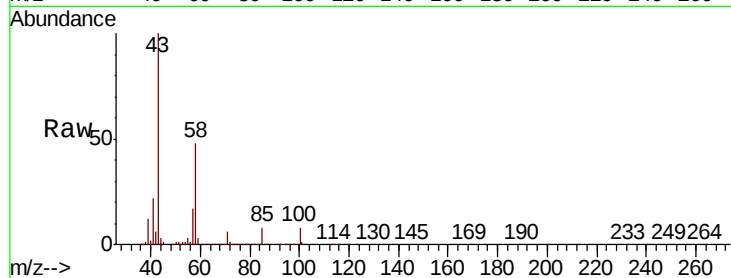
#51
2-Hexanone
Concen: 9.787 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1337559
Ion Ratio Lower Upper
43 100
58 47.8 41.1 61.7
98 0.2 0.1 0.1#

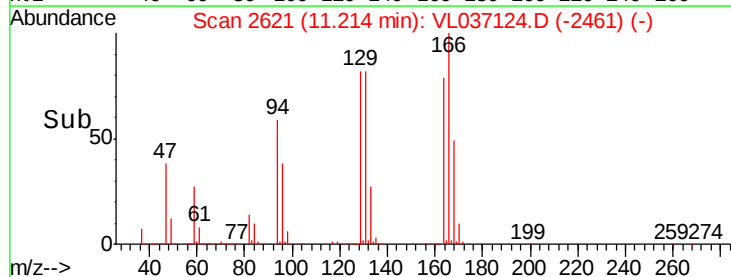
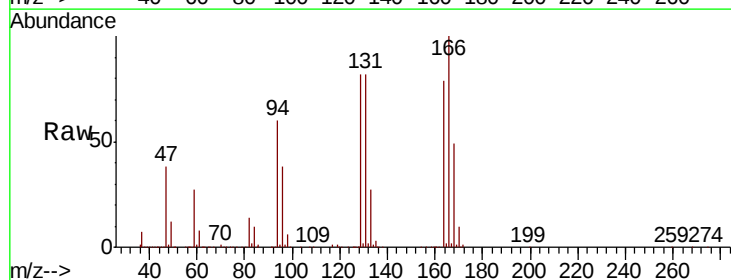
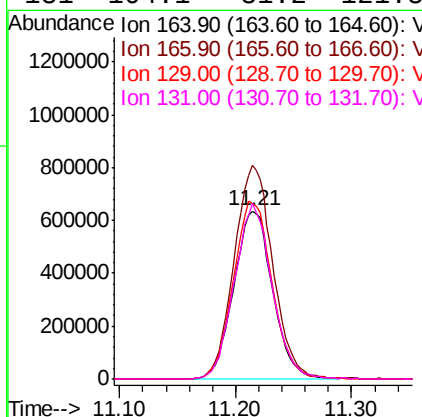
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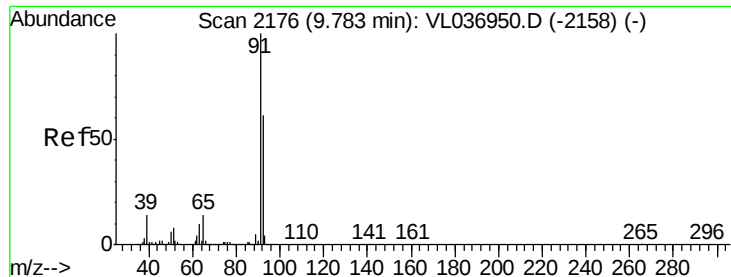
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#52
Tetrachloroethene
Concen: 9.961 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 164 Resp: 1468034
Ion Ratio Lower Upper
164 100
166 127.2 105.5 158.3
129 104.7 81.8 122.8
131 104.1 81.2 121.8





#53

Toluene

Concen: 9.526 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4200631

Ion Ratio Lower Upper

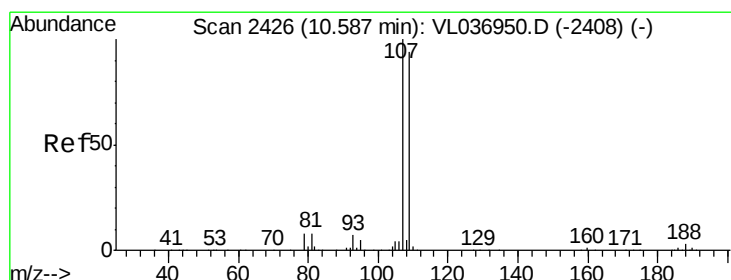
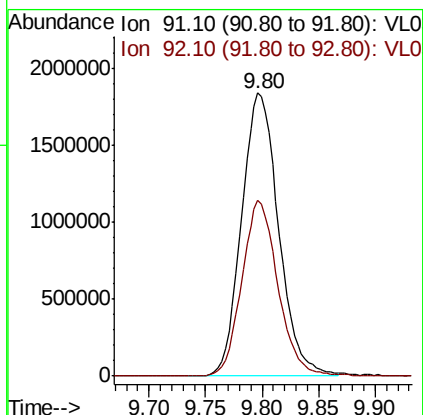
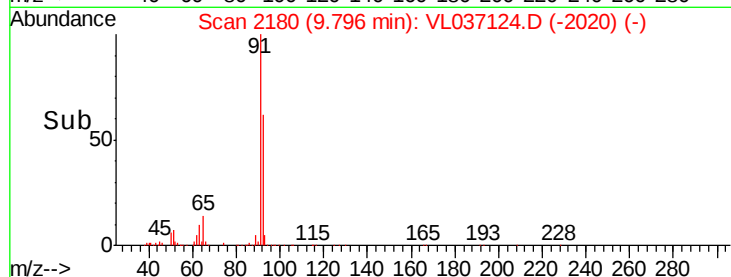
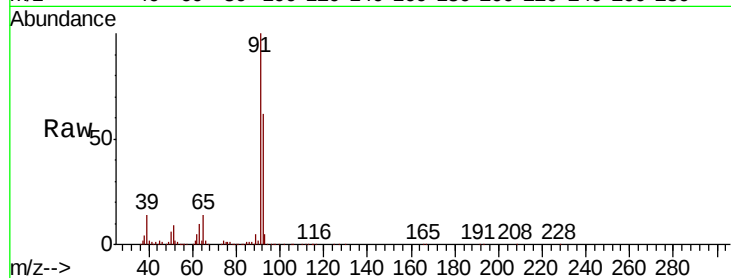
91 100

92 60.9 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 10.501 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.02 min

Lab File: VL037124.D

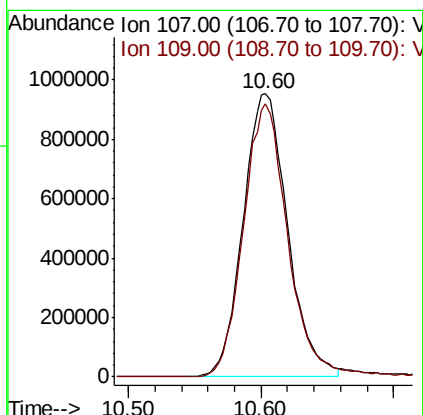
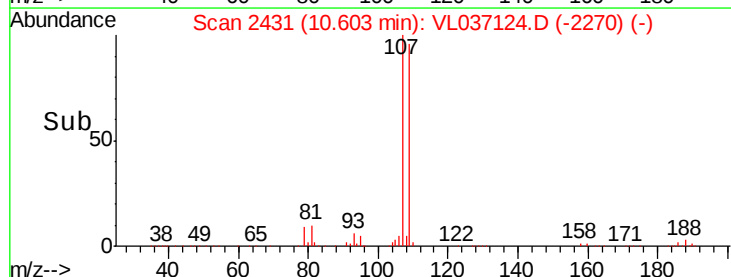
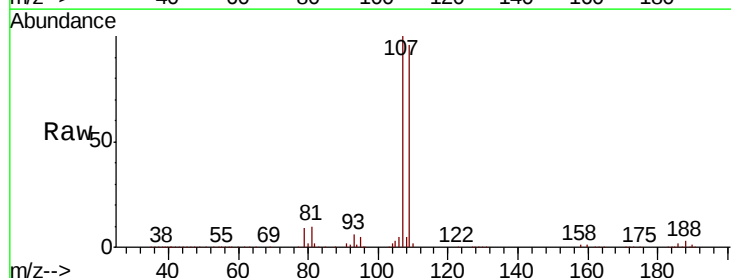
Acq: 3 Jun 2021 8:43

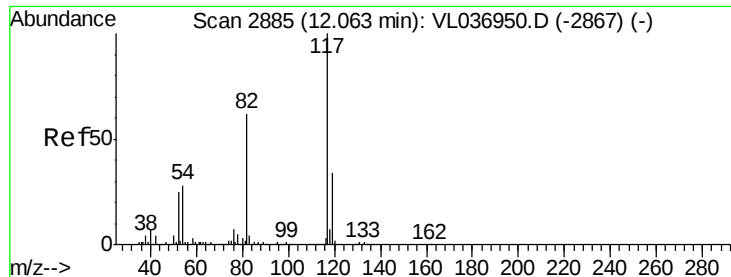
Tgt Ion: 107 Resp: 2230794

Ion Ratio Lower Upper

107 100

109 96.3 75.0 112.4





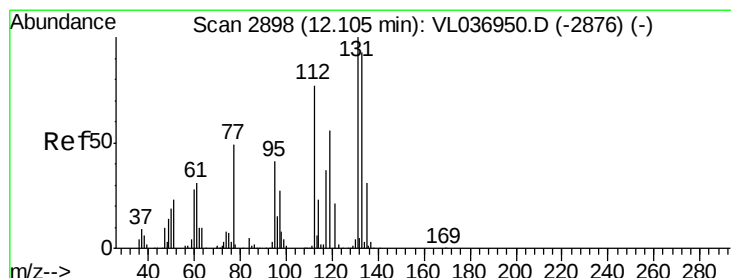
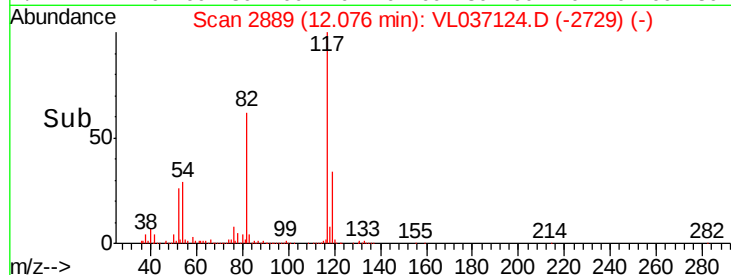
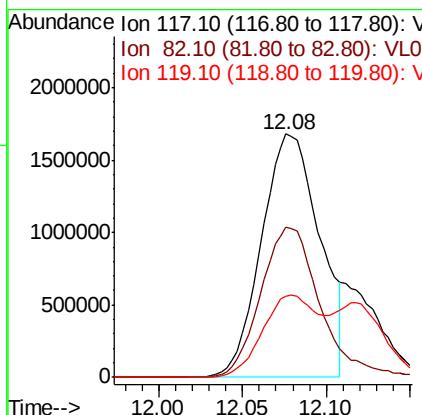
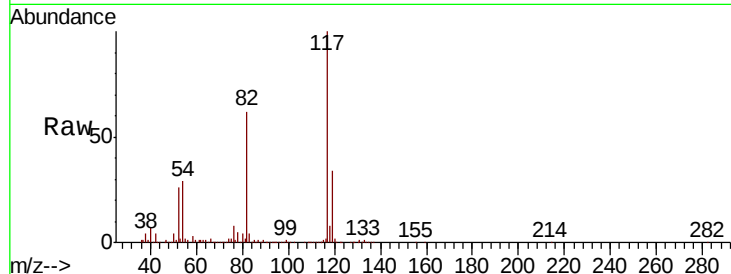
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4075341
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 31.7 46.6 70.0#

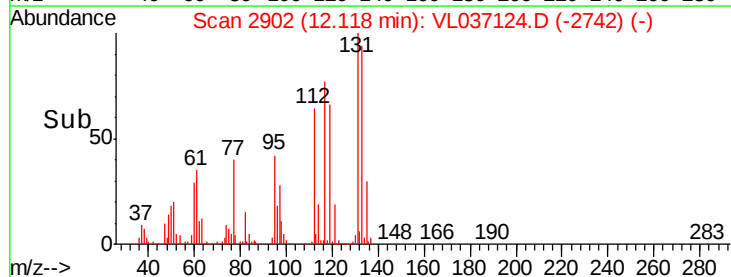
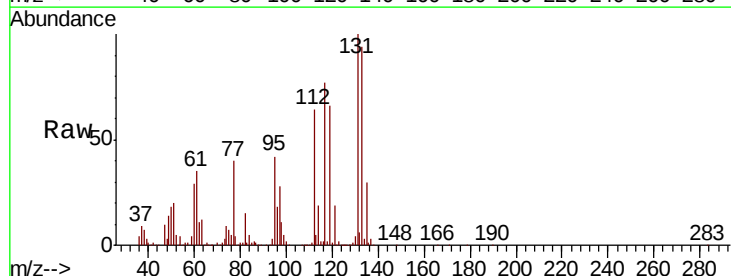
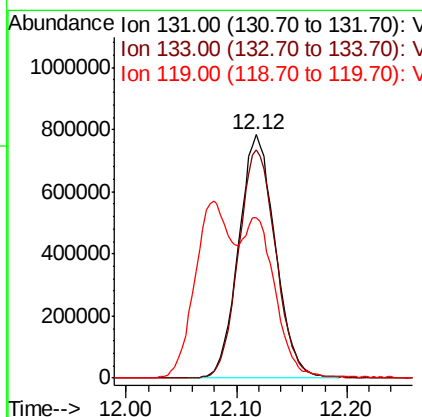
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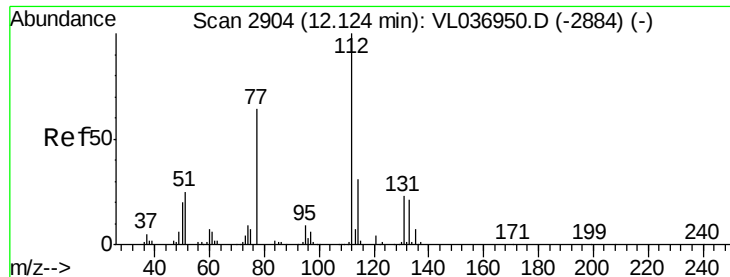
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.509 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion:131 Resp: 1801971
Ion Ratio Lower Upper
131 100
133 96.2 76.9 115.3
119 63.1 120.2 180.4#





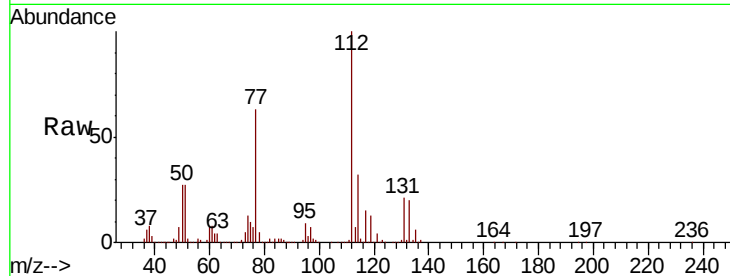
#57
Chlorobenzene
Concen: 10.224 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

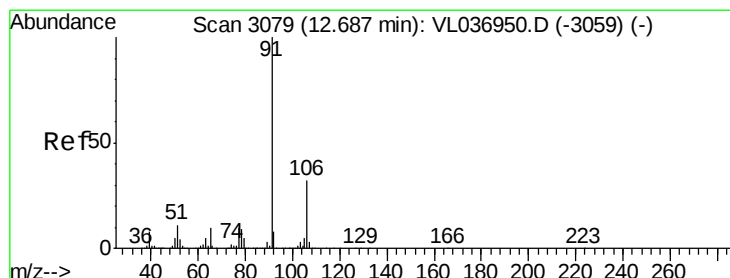
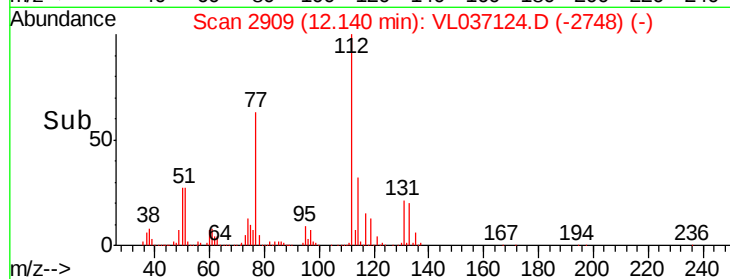
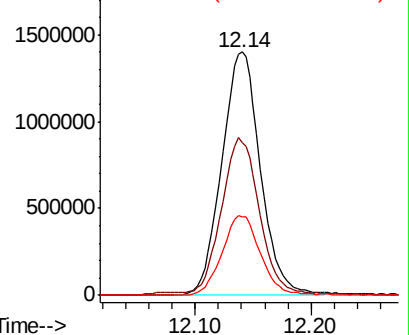
Tot Ion:112 Resp: 3230678
Ion Ratio Lower Upper
112 100
77 61.9 51.0 76.6
114 32.3 28.3 34.5

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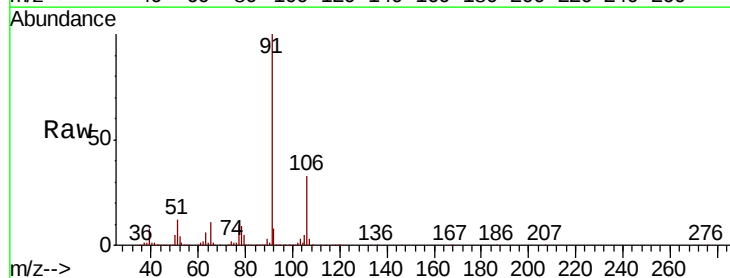


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

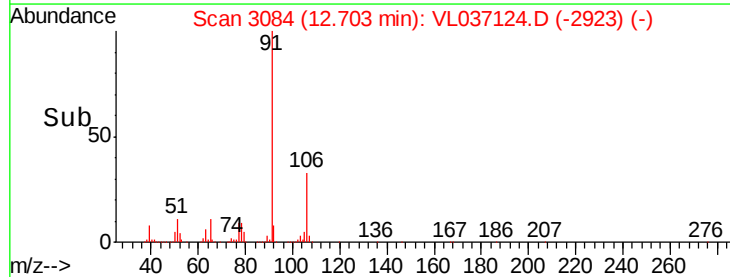
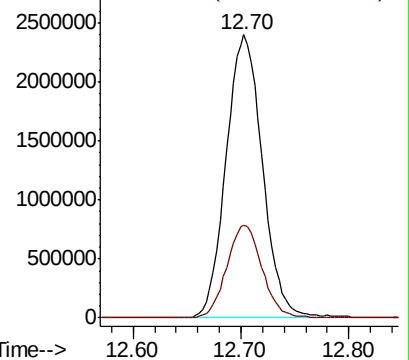


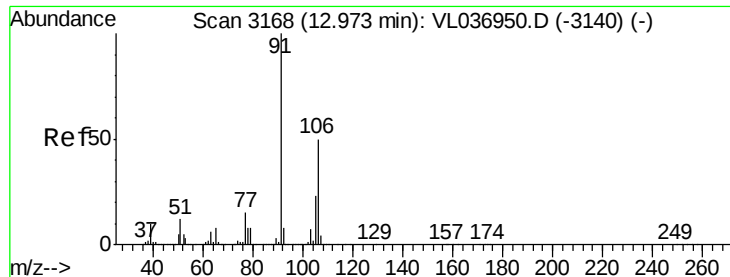
#58
Ethyl Benzene
Concen: 9.769 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 91 Resp: 5619001
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





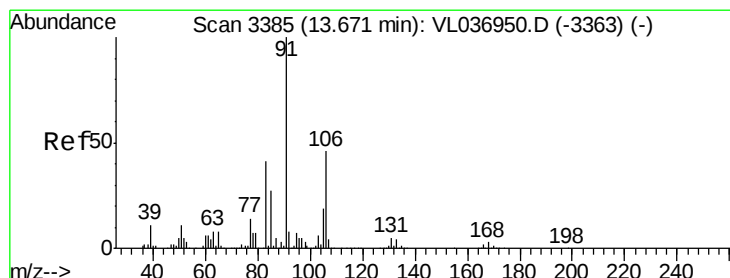
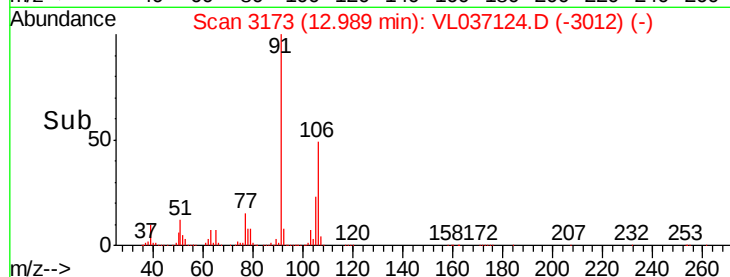
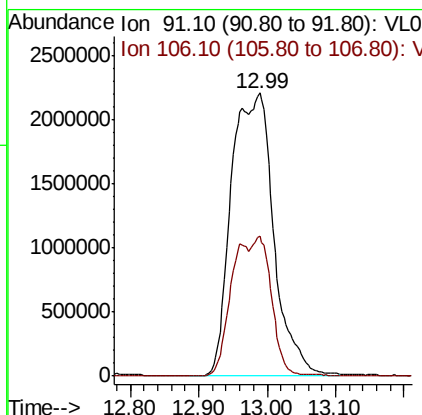
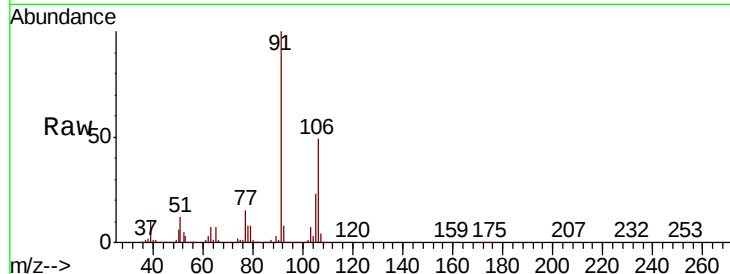
#59
m/p-Xylene
Concen: 19.956 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9488277
Ion Ratio Lower Upper
91 100
106 45.7 37.4 56.2

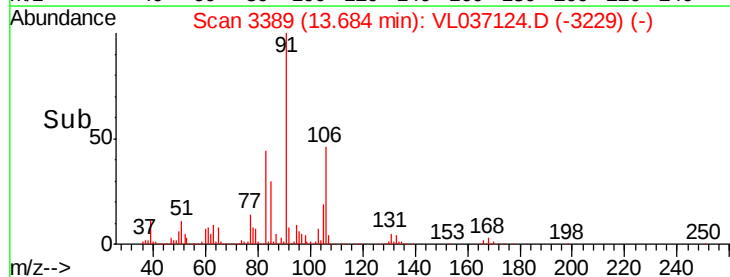
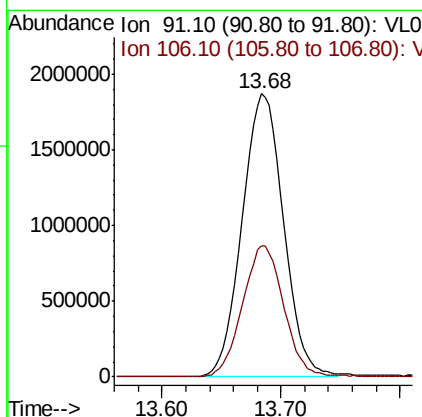
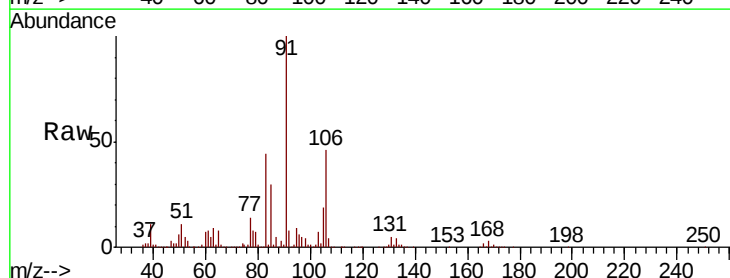
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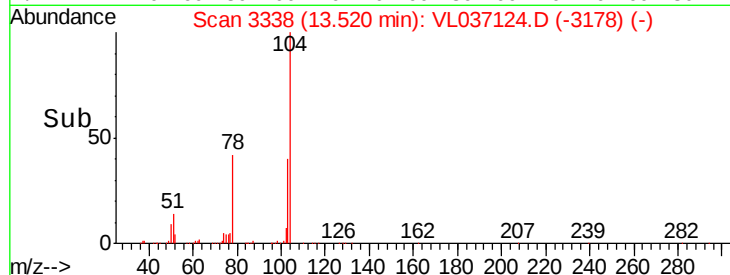
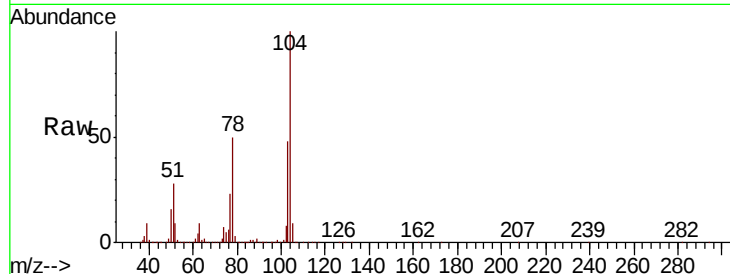
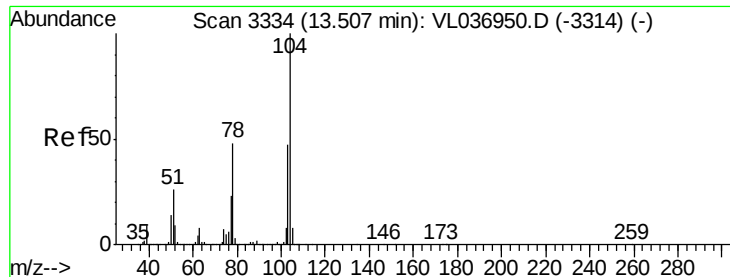
MMDadoda
6/7/2021 3:01:38 PM



#60
o-Xylene
Concen: 9.908 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 91 Resp: 4493012
Ion Ratio Lower Upper
91 100
106 46.3 23.4 70.3





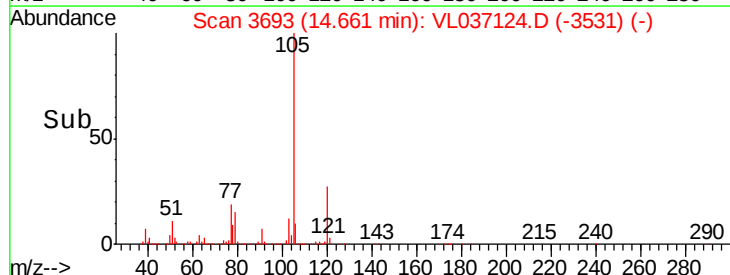
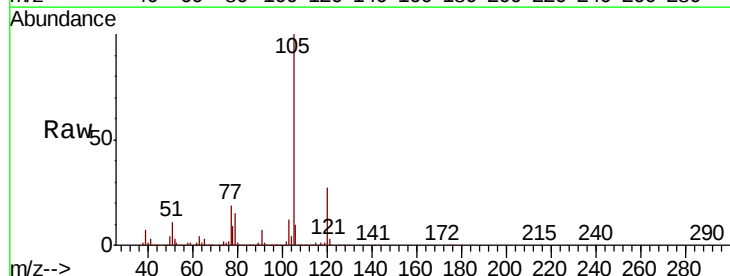
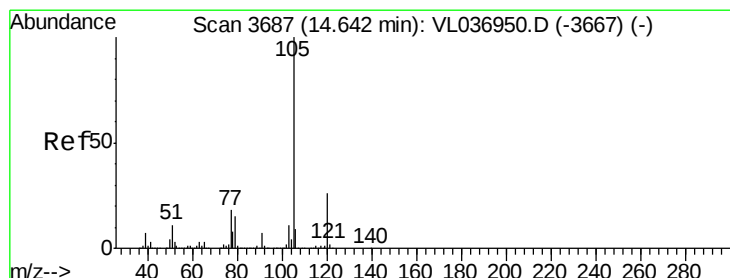
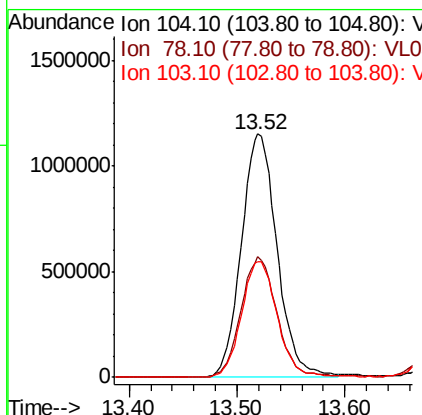
#61
Stvrene
Concen: 10.397 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tot Ion:104 Resp: 2656160
Ion Ratio Lower Upper
104 100
78 50.3 39.0 58.6
103 48.0 38.0 57.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

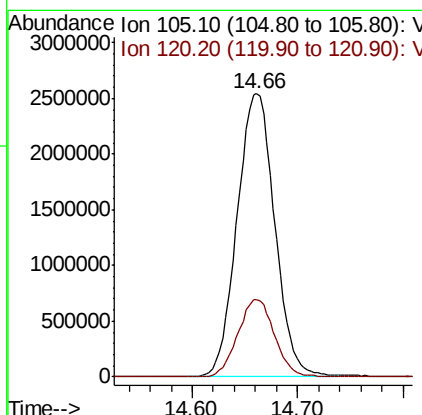
Manual Integrations
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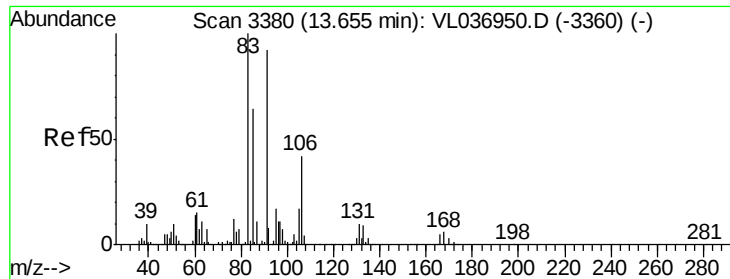
MMDadoda
6/7/2021 3:01:38 PM



#62
Isopropylbenzene
Concen: 9.688 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion:105 Resp: 6313507
Ion Ratio Lower Upper
105 100
120 26.8 21.7 32.5





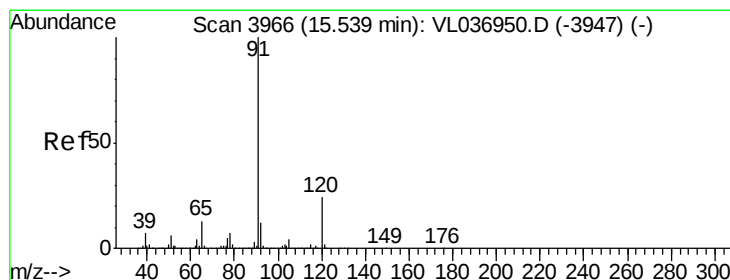
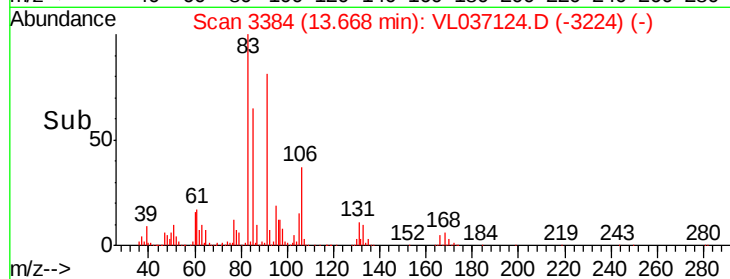
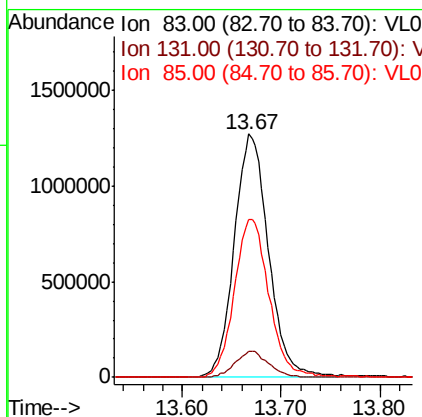
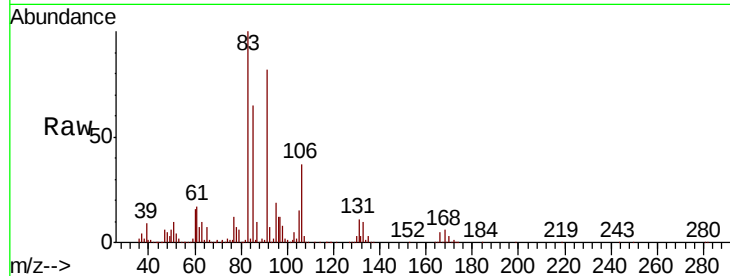
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.043 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	3062469
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	15.0
85	66.2	32.9	98.6

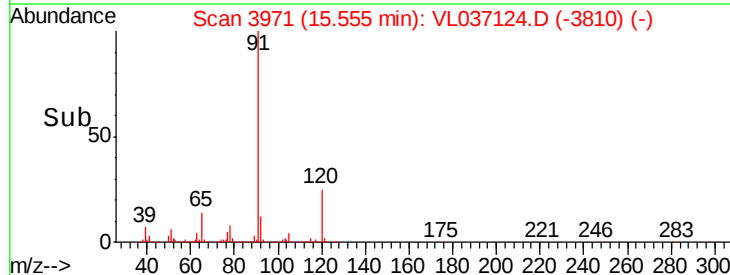
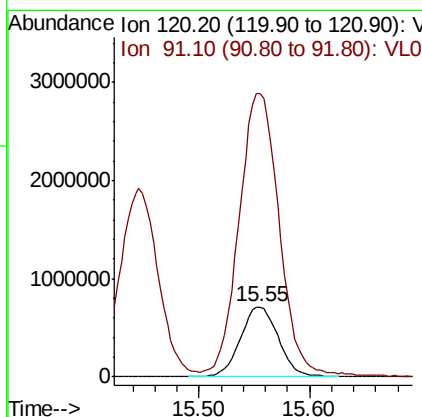
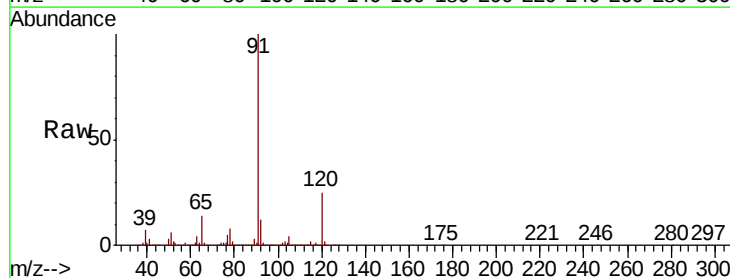
Manual Integrations
 APPROVED

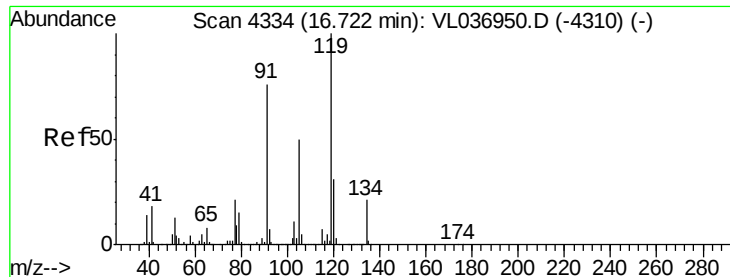
MMDadoda
 6/7/2021 3:01:38 PM



#64
 n-propylbenzene
 Concen: 10.152 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.02 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion	120	Resp	1706953
Ion Ratio	Lower	Upper	
120	100		
91	430.3	343.8	515.6





#65

tert-Butylbenzene

Concen: 9.773 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.02 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 5747074

Ion Ratio Lower Upper

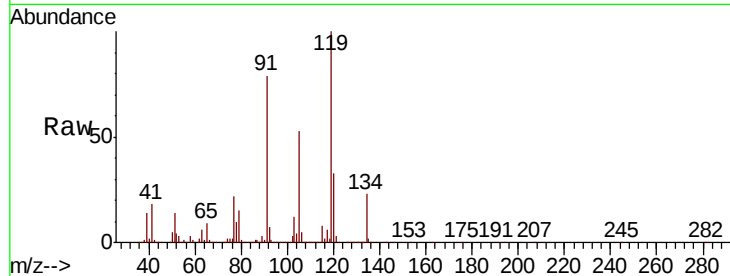
119 100

91 77.8 61.9 92.9

134 20.5 16.2 24.4

Manual Integrations
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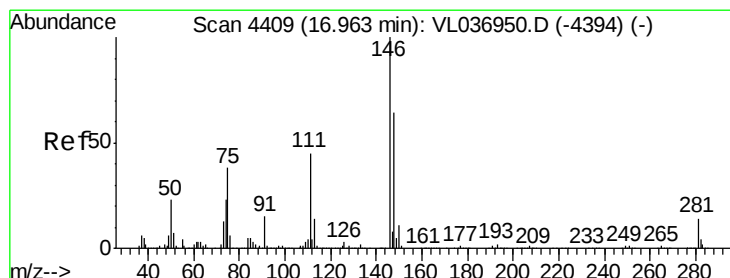
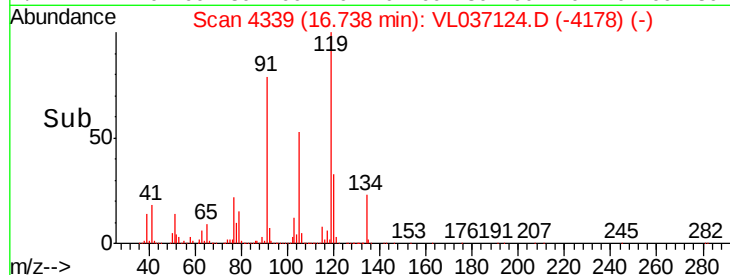
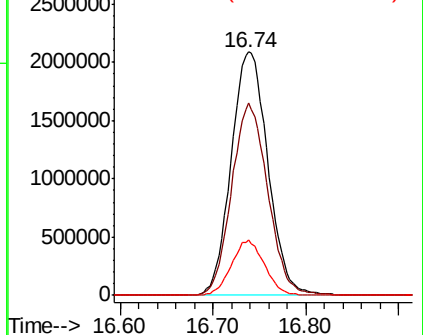
MMDadoda
6/7/2021 3:01:38 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.035 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.02 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

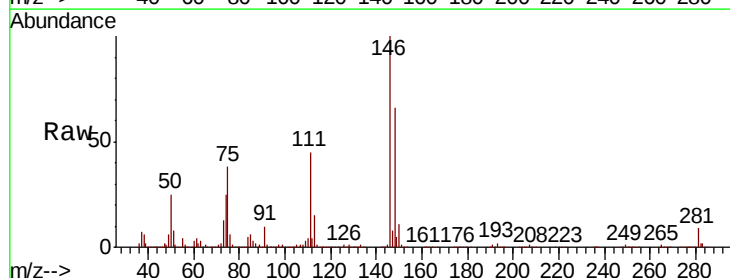
Tgt Ion: 91 Resp: 262171

Ion Ratio Lower Upper

91 100

126 17.9 16.5 24.7

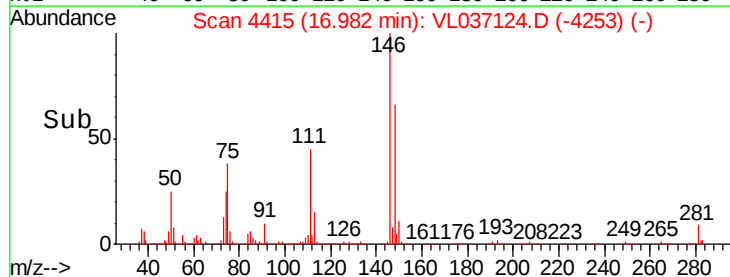
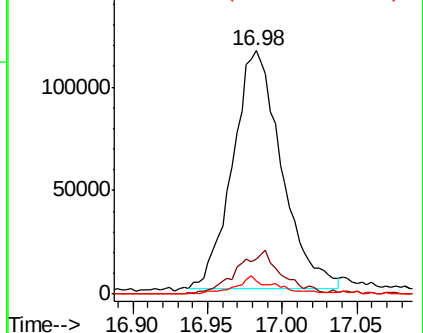
128 6.1 5.5 8.3

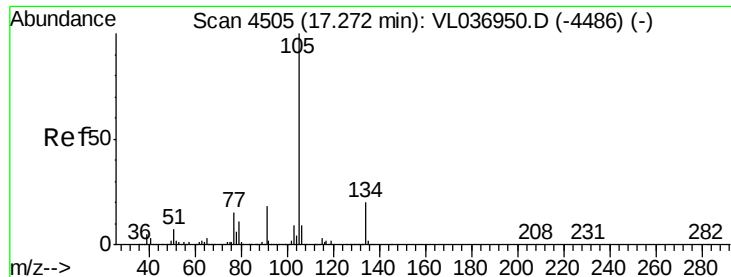


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.524 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.02 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7640645

Ion Ratio Lower Upper

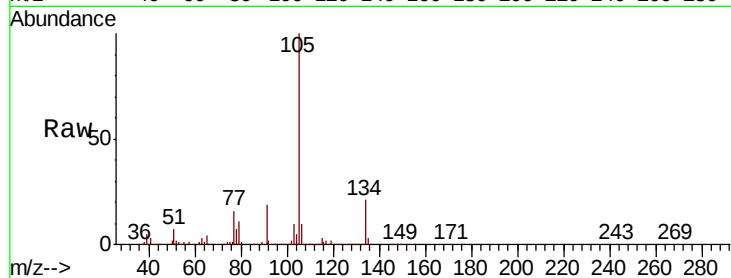
105 100

134 19.8 15.6 23.4

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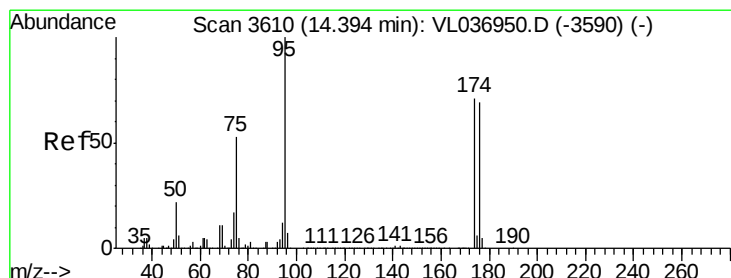
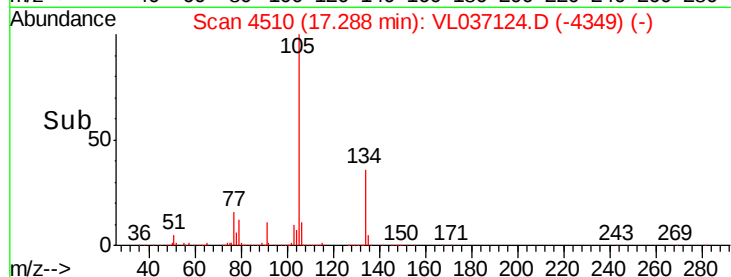
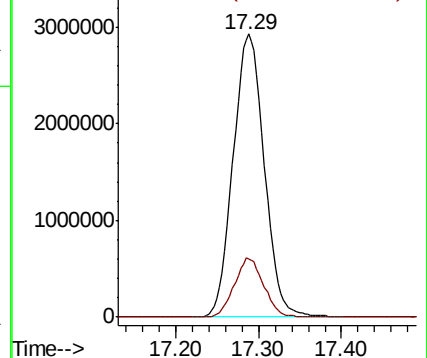
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.235 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

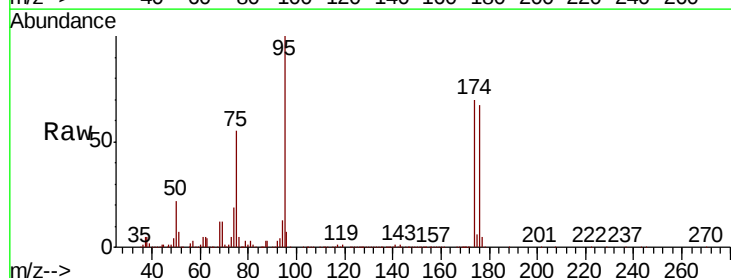
Tgt Ion: 95 Resp: 3133471

Ion Ratio Lower Upper

95 100

174 72.2 58.4 87.6

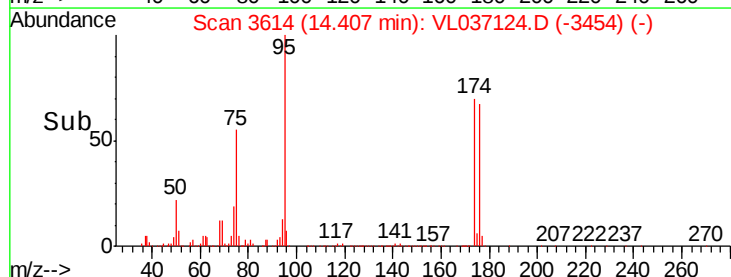
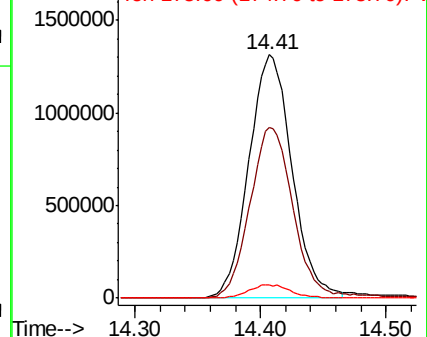
175 5.6 4.4 6.6

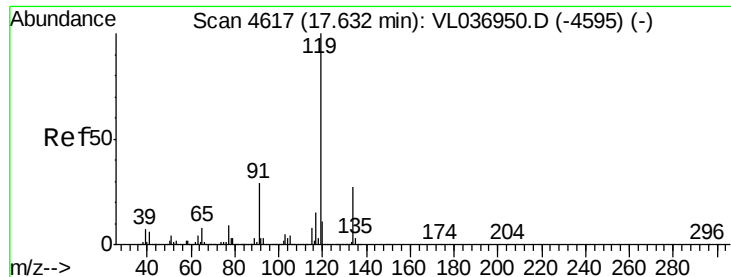


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





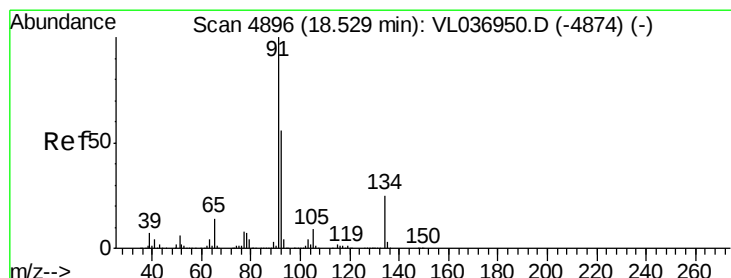
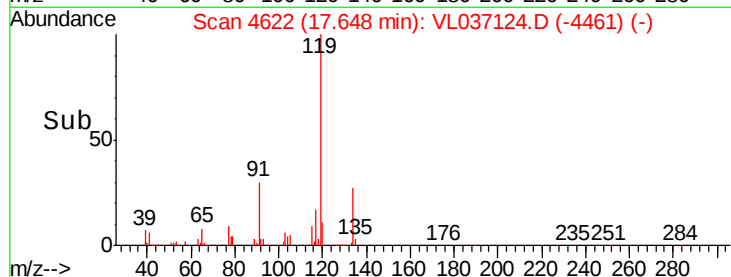
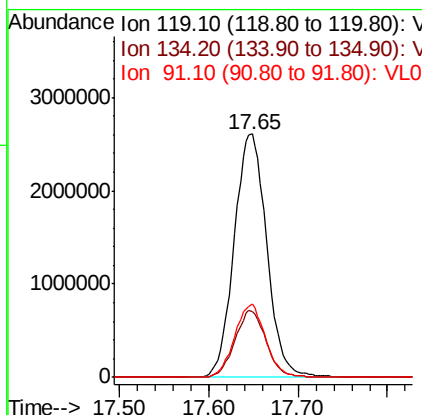
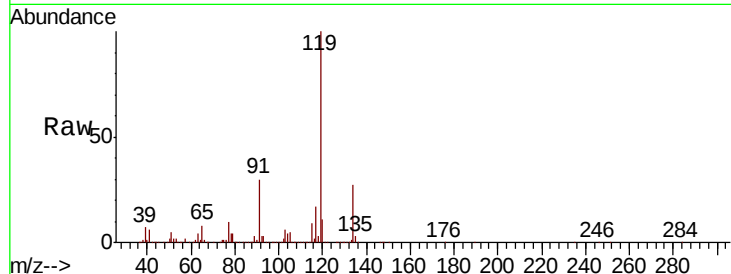
#69
 p-Isopropyltoluene
 Concen: 9.577 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	28.6	22.2	33.4

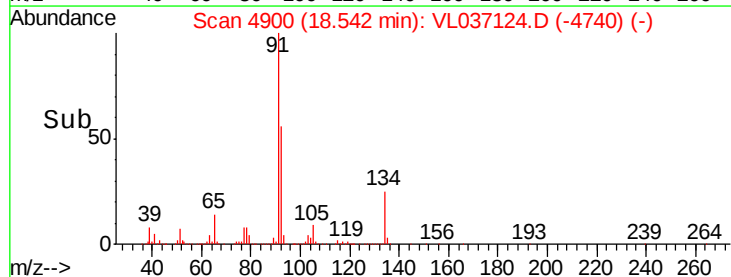
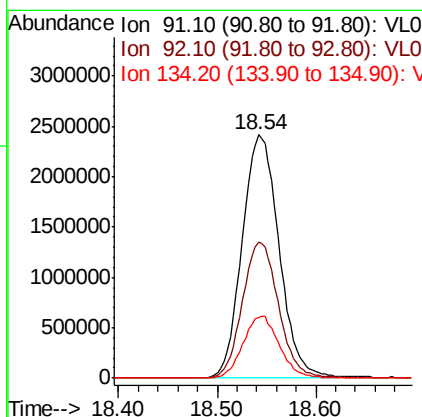
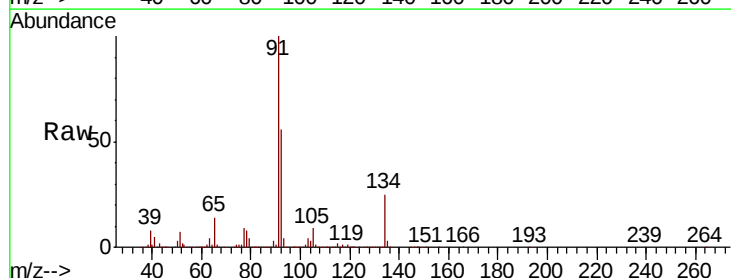
Manual Integrations
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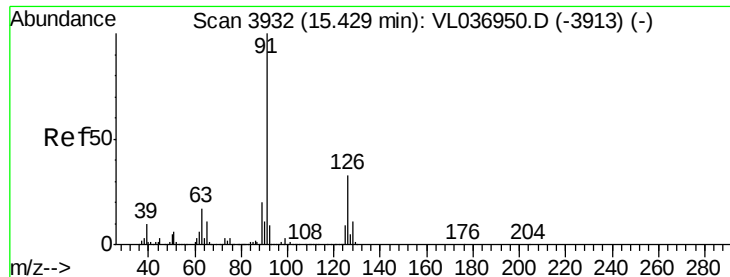
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#70
 n-Butylbenzene
 Concen: 9.526 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	25.0	20.2	30.2





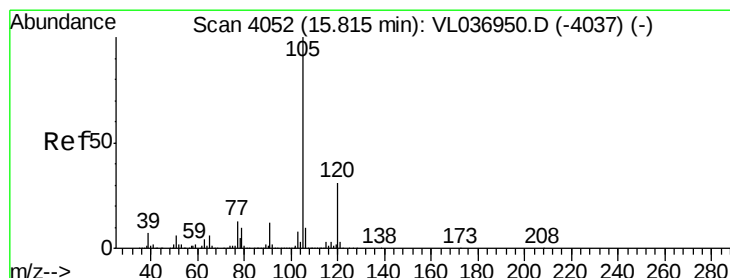
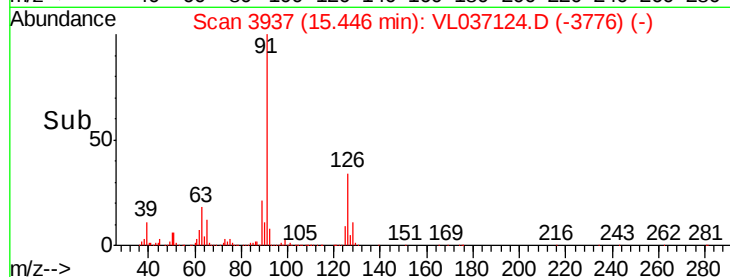
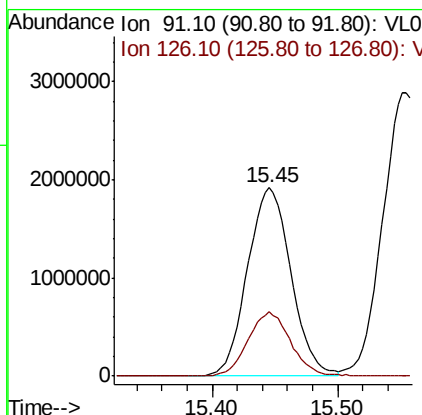
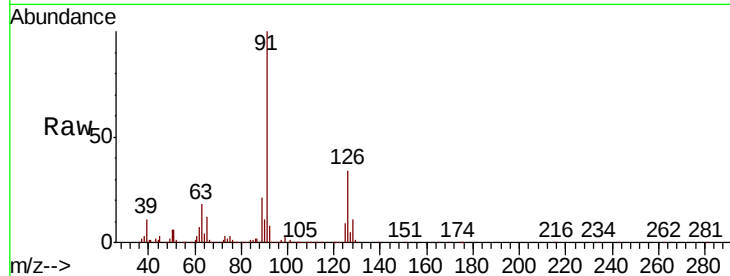
#71
2-Chlorotoluene
Concen: 9.831 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4627313
Ion Ratio Lower Upper
91 100
126 33.8 13.1 52.5

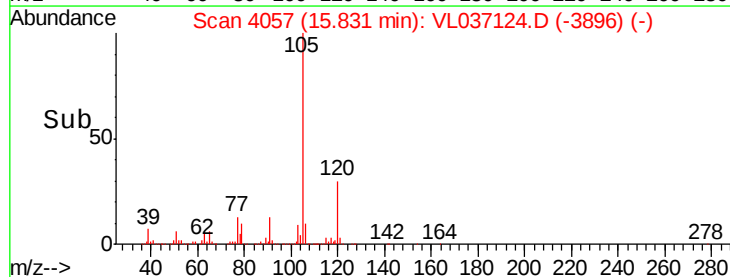
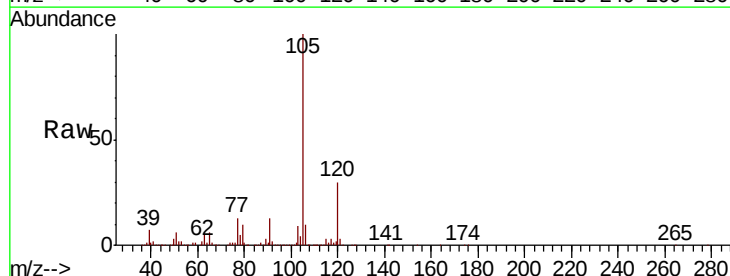
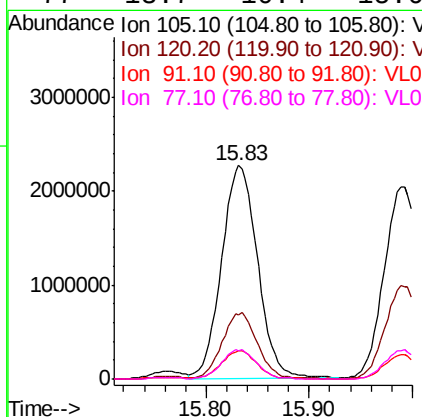
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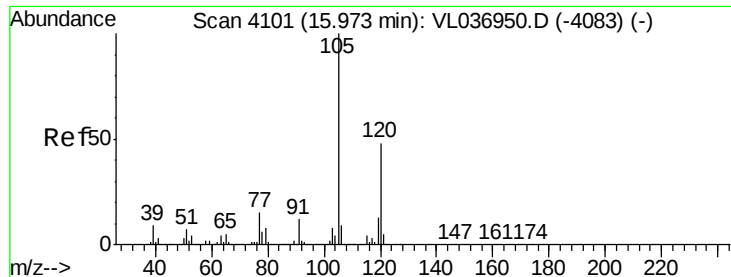
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6/7/2021 3:01:38 PM



#72
4-Ethyltoluene
Concen: 10.213 ppbv
RT: 15.83 min Scan# 4057
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion: 105 Resp: 5496641
Ion Ratio Lower Upper
105 100
120 30.6 24.6 37.0
91 12.8 9.8 14.6
77 13.7 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.850 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.02 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4978132

Ion Ratio Lower Upper

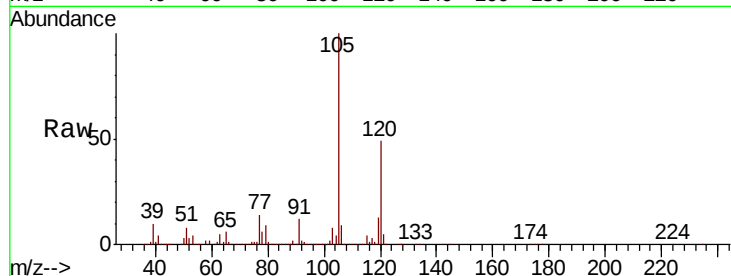
105 100

120 49.1 38.6 58.0

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2000000

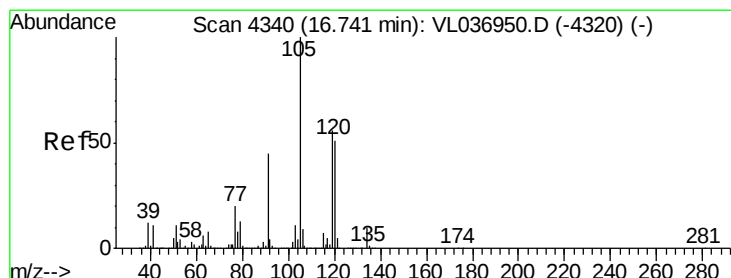
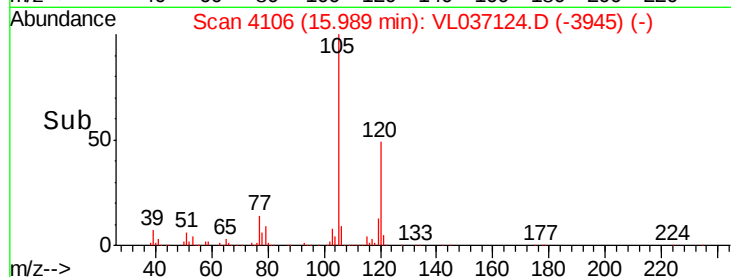
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.961 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL037124.D

Acq: 3 Jun 2021 8:43

Tgt Ion:105 Resp: 5205386

Ion Ratio Lower Upper

105 100

120 48.3 40.6 61.0

91 45.5 37.4 56.0

77 20.7 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

3000000

2500000

2000000

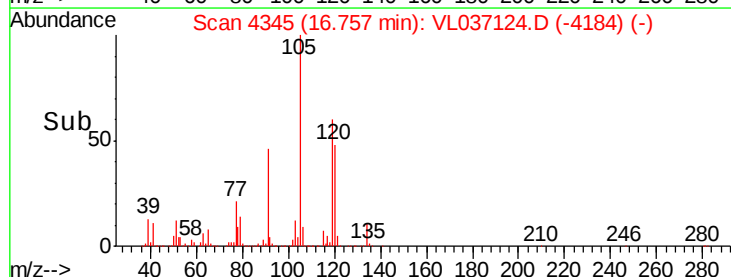
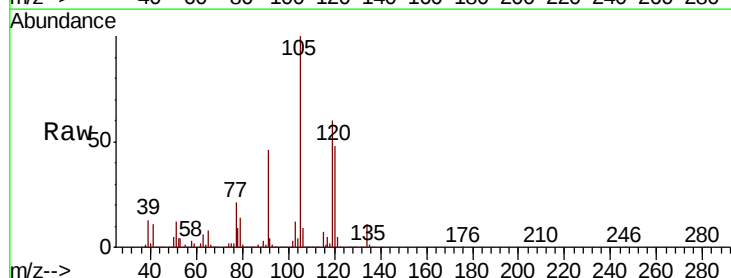
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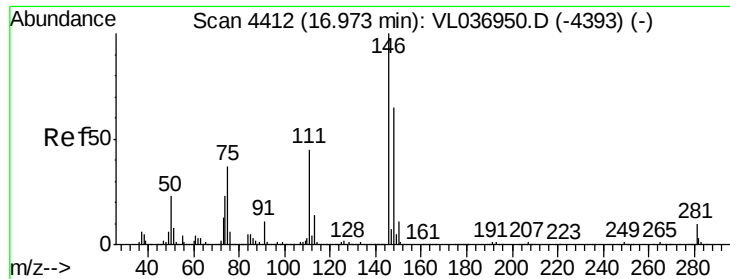
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500000

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Time-->





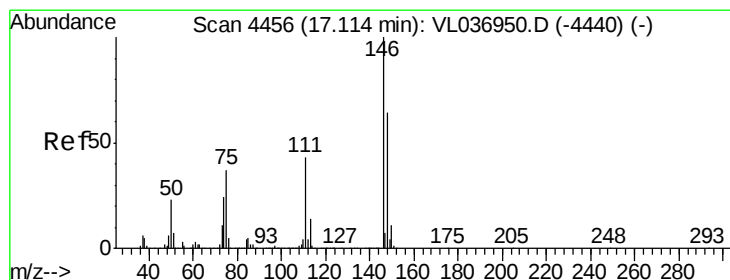
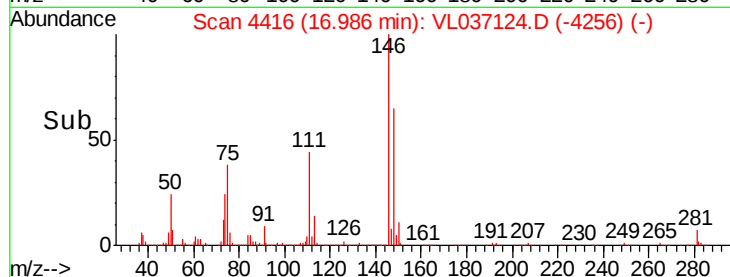
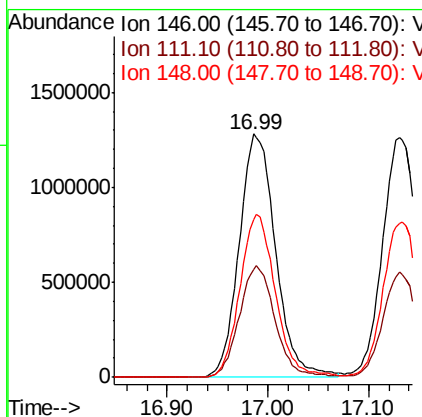
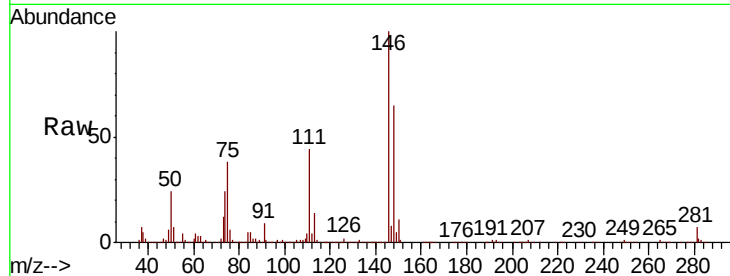
#75
1,3-Dichlorobenzene
Concen: 10.052 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:146 Resp: 3207453
Ion Ratio Lower Upper
146 100
111 45.0 22.2 66.6
148 65.3 32.3 96.8

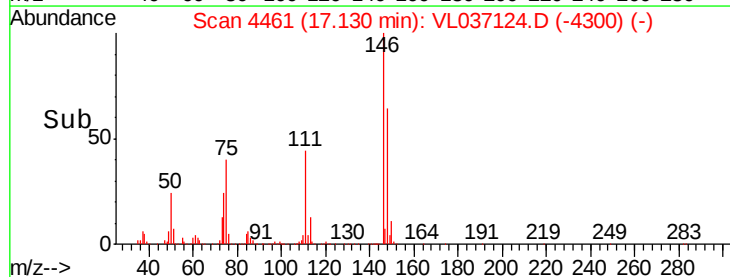
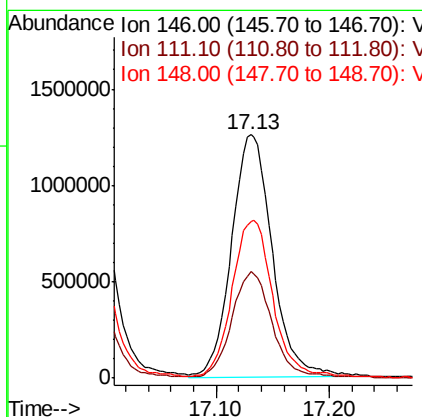
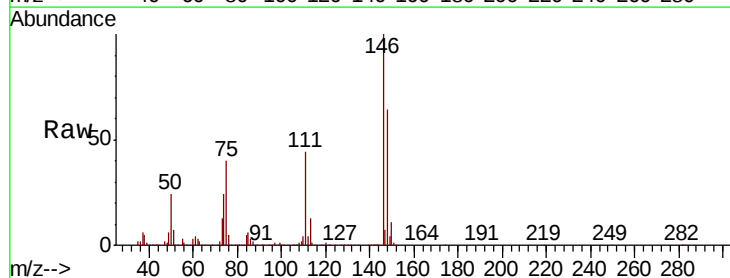
Manual Integrations
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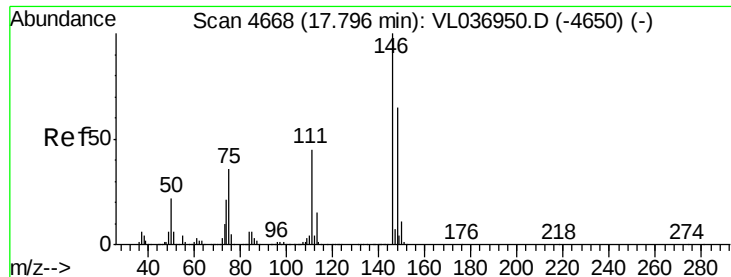
MMDadoda
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#76
1,4-Dichlorobenzene
Concen: 9.748 ppbv
RT: 17.13 min Scan# 4461
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion:146 Resp: 3144991
Ion Ratio Lower Upper
146 100
111 43.9 22.6 67.7
148 66.0 33.5 100.5





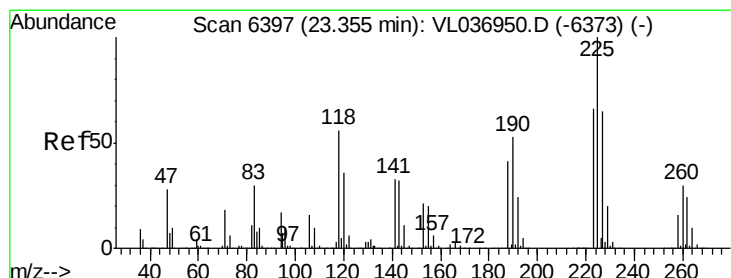
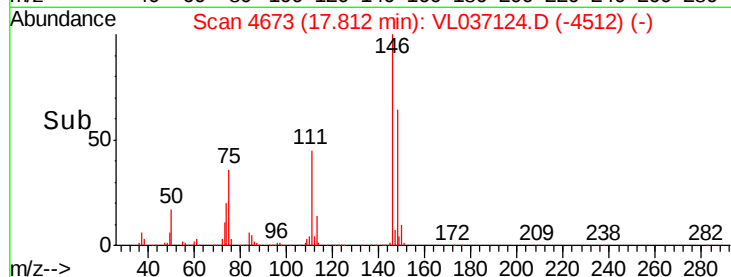
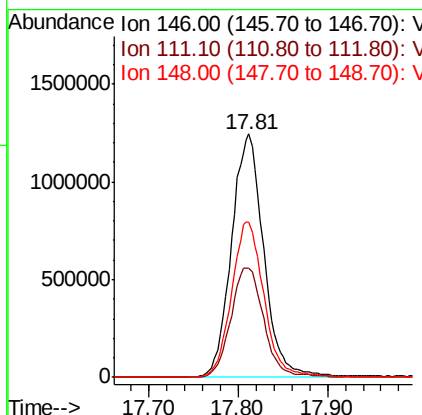
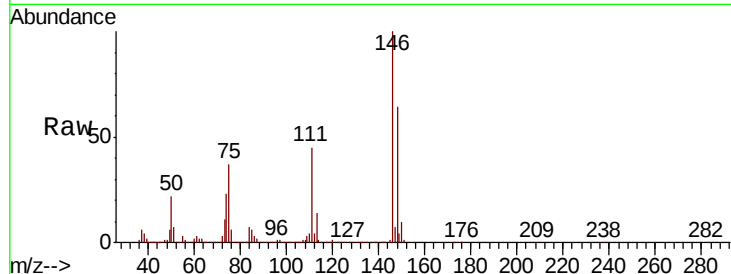
#77
 1,2-Dichlorobenzene
 Concen: 9.660 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.02 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3088703
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.1 69.2
 148 64.8 32.5 97.4

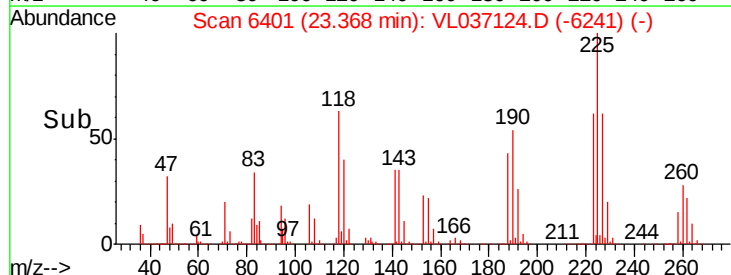
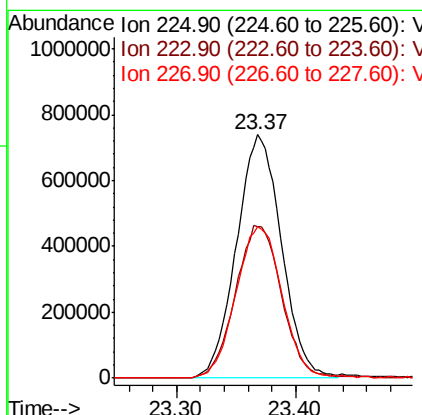
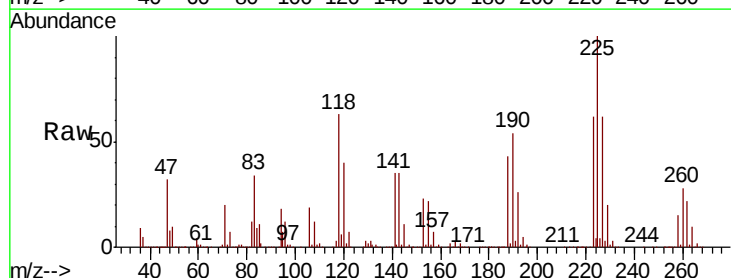
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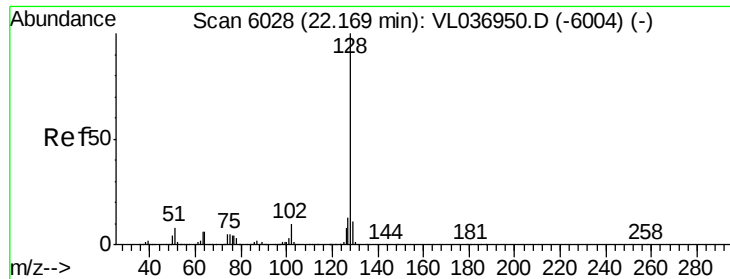
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.465 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Tgt Ion:225 Resp: 1919309
 Ion Ratio Lower Upper
 225 100
 223 65.4 51.9 77.9
 227 65.2 51.8 77.6





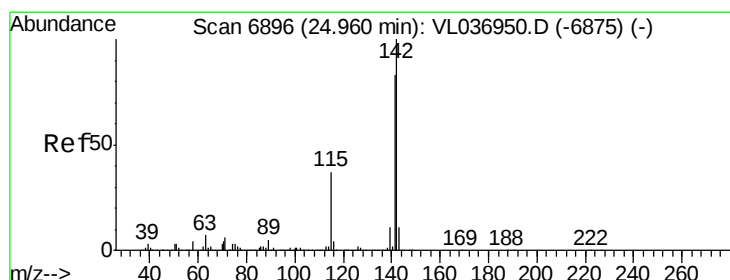
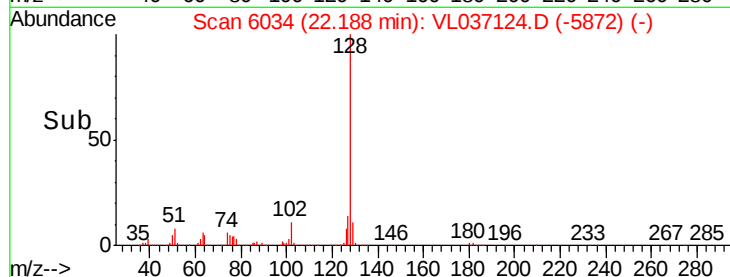
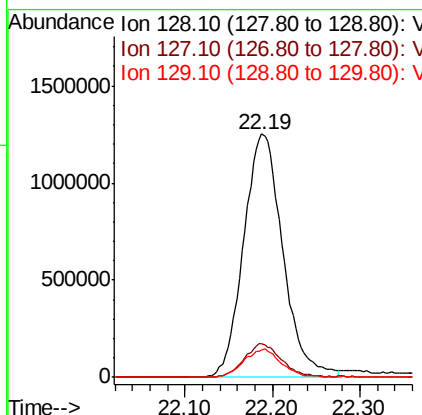
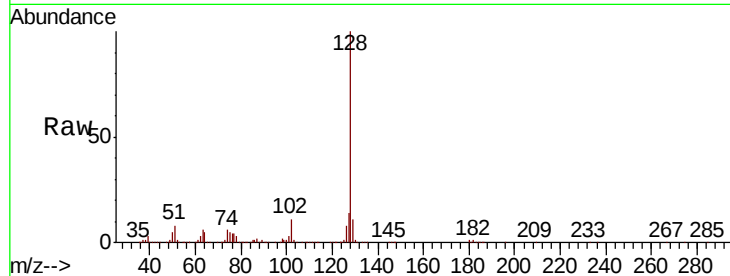
#79
Naphthalene
Concen: 9.512 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. 0.02 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 3900017
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 11.3 9.0 13.6

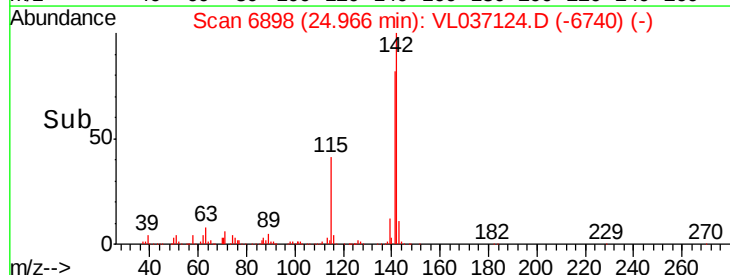
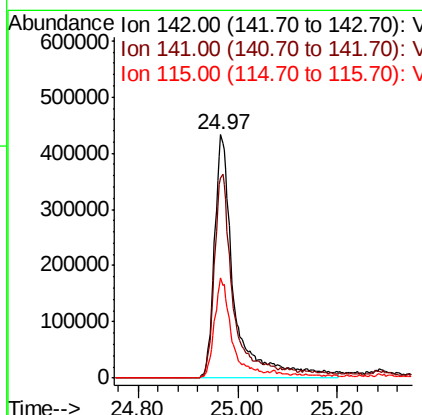
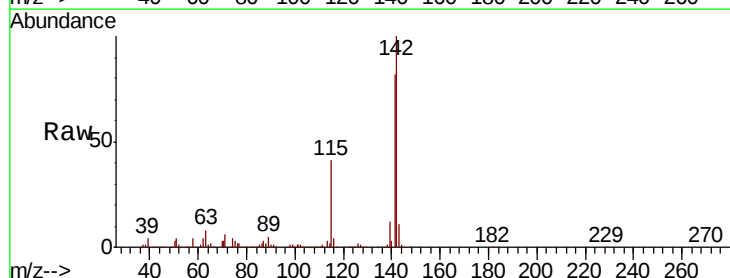
Manual Integrations
APPROVED

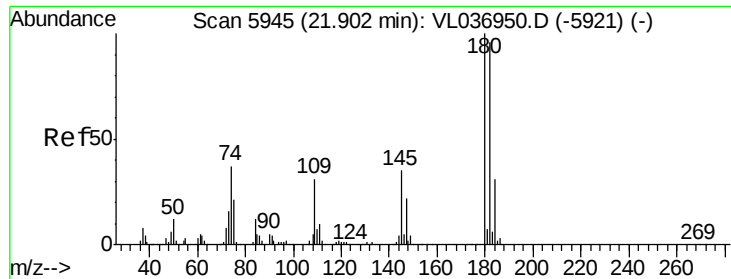
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#80
Naphthalene, 2-methyl-
Concen: 13.577 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL037124.D
Acq: 3 Jun 2021 8:43

Tgt Ion:142 Resp: 1210466
Ion Ratio Lower Upper
142 100
141 81.3 69.3 103.9
115 38.2 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 8.928 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.02 min
 Lab File: VL037124.D
 Acq: 3 Jun 2021 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	81.7	122.5
184	31.9	24.9	37.3

Manual Integrations
 APPROVED

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